

Attachments

November

2022

Attachments

Minutes/Notes

Ordinary Meeting of Council –October 2022

Wheatbelt East Regional Organisation of Councils-October 2022

Agenda Attachments

- 9.1.4 Post Office Plans
- 9.1.8 Proposed Transportable Residence
- 9.2.1 Financial Statements
- 9.2.2 Accounts for Payment
- 9.2.3 Record Keeping Plan and Self Evaluation Checklist
- 9.3.1 Logistics Road Design Report and



Minutes

Ordinary Meeting of Council

**20 October
2022**

DISCLAIMER

Any Plans or documents in agendas or minutes may be subject to copyright. The express permission of the copyright owner must be obtained before copying any copyright material, as per the Copyright Act 1968.

Any statement, comment or decision made at a Council meeting regarding any application for an approval, consent or licence, including the resolution of approval, is not effective as an approval of any application and must not be relied upon as such.

Any person or entity who has an application before the Shire of Yilgarn must obtain, and should rely on, written notice of the Shire of Yilgarn's decision and any conditions attaching to the decision, and cannot treat as an approval anything said or done in a Council meeting.

Any advice provided by an employee of the Shire of Yilgarn on the operation of a written law, or the performance of a function by the hire of Yilgarn, is provided in the capacity of an employee, and to the best of the persons knowledge and ability. It does not constitute, and should not be relied upon, as legal advice or representation by the Shire of Yilgarn. Any advice on a matter of law, or anything sought to be relied upon as a representation by the Shire of Yilgarn should be sought in writing and should make clear the purpose of the request. Any plans or documents in Agendas and Minutes may be subject to copyright.

Table of Content

1 Declaration of Opening/Announcement of Visitors	3
2 Announcements from the Presiding Member	3
3 Attendance	3
4 Declaration of Interest	3
5 Public Question Time	3
6 Confirmation of Minutes	3
7 Presentations, Petitions, Deputations	4
8 Delegates' Reports	4
9 Officers' Reports	5
9.1 Chief Executive Officer	6
9.1.1 Shire of Yilgarn Tourism Advisory Committee-	
Changes to Committee	6
9.1.2 Revocation of Previous Motion and Reconsideration of a	
Motion relating to lot 464 Coolgardie Road	11
9.1.3 British Hill Pty Ltd-Application to Clear Native Vegetation	
under the <i>Environmental Protection Act 1986</i>	15
9.1.4 CEO Annual Performance Approval	18
9.1.5 Development Application-Crisp Wireless Telecommunications	
Equipment Lot 757 Parker Range Road & Nicholson Road	
Moorine Rock, WA	21
9.2 Executive Manager Corporate Services	25
9.2.1 Financial Reports September 2022	25
9.2.2 Accounts for Payment	28

9.2.3 Write off Outstanding Rates & Charges-Post Public Auction.....	32
9.2.4 Use of Common Seal-Transfer of Land (Sale for Rates).....	39
9.3 Executive Manager Infrastructure.....	42
9.3.1 Request for Tender TO Replace DYNAPAC CP 2700	
Multi Tyre Roller.....	42
9.2.4 Request for Tender to Replace the 2014 John Deere	
670G Grader.....	46
9.4 Executive Manager Regulatory Services	n/a
10 Application for leave of absence.....	50
11 Motions for which previous notice has been given.....	50
12 New business of an urgent nature introduce by decision of the meeting.....	50
12.1 Transfer of Assets-Skeleton Weed LAG.....	50
13 Meeting closed to the public-Confidential Items.....	54
14 Closure.....	55

1. DECLARATION OF OPENING/ANNOUNCEMENT OF VISITORS

The Presiding Member declared the meeting open at 4pm

2. ANNOUNCEMENTS FROM THE PRESIDING MEMBER

Rate Incentive Prize Draw

The Shire of Yilgarn offered a rates incentive prize for rates paid in full before the 19 September 2022. Cr Della Bosca drew the winners, as follows;

1 st Prize - B&M Auld	- \$500 Tradewinds Hotel Fremantle voucher
2 nd Prize - Hugh Irving	- Gift Card \$250
3 rd Prize - Kathy Coward	- \$200 voucher for a business within the Yilgarn
4 th Prize - Phil Borona	-\$50 voucher for a restaurant within the Yilgarn

3. ATTENDANCE

Members	Cr W Della Bosca Cr B Close Cr J Cobden Cr G Guerini Cr P Nolan	
Council Officers	N Warren C Watson G Brigg B Forbes L Della Bosca	Chief Executive Officer Executive Manager Corporate Services Executive Manager Infrastructure Finance Manager Minute Taker
Apologies:	Nil	
Observers:	Nil	
Leave of Absence:	Cr L Rose and Cr L Granich	

4. DECLARATION OF INTEREST

Nil

5. RESPONSE TO PREVIOUS PUBLIC QUESTIONS TAKEN ON NOTICE

Nil

5.1. PUBLIC QUESTION TIME

Nil

6. CONFIRMATION OF MINUTES

6.1 Ordinary Meeting of Council, Thursday, 15 September 2022

244/2022

Moved Cr Nolan Seconded Cr Guerini

That the minutes from the Ordinary Council Meeting held on the 15 September 2022 be confirmed as a true record of proceedings.

CARRIED (5/0)

6.2 Shire of Yilgarn Tourism Advisory Committee, Wednesday 5 October 2022

245/2022

Moved Cr Guerini/Seconded Cr Close

That Council notes the Shire of Yilgarn Tourism Advisory Committee Meeting did not meet quorum but receives the meeting notes.

CARRIED (5/0)

6.3 Shire of Yilgarn Bush Fire Advisory Committee, Monday 10 October 2022

246/2022

Moved Cr Cobden/Seconded Cr Guerini

That the minutes from the Shire of Yilgarn Bush Fire Advisory Committee Meeting held on the 10 October 2022 be received.

CARRIED (5/0)

7. PRESENTATIONS, PETITIONS, DEPUTATIONS

Nil

8. DELEGATES' REPORTS

Cr Della Bosca announced the following;

- Attended the Local Government Conference 2 October 2022 to 4 October 2022
- Attended the meeting with Hon. Mia Davies MLA on the 10 October 2022
- Attended the meeting with Mr. Rick Wilson MP on the 11 October 2022
- Attended the CEO Annual Appraisal on the 11 October 2022
- Attended the Council Roads Workshop on the 11 October 2022
- Attended the Skeleton Weed Local Action Group Meeting on the 12 October 2022

Cr Close announced the following;

- Attended the Local Government Conference 2 October 2022 to 4 October 2022
- Attended the meeting with Mr. Rick Wilson MP on the 11 October 2022
- Attended the Council Roads Workshop on the 19 October 2022

Cr Nolan announced the following;

- Attended the CEO Annual Appraisal on the 11 October 2022
- Attended the Council Roads Workshop on the 11 October 2022

Cr Cobden announced the following;

- Attended the Community Support Group Meeting on the 4 October 2022
- Attended the Shire of Yilgarn Tourism Advisory Committee Meeting on the 5 October 2022
- Attended the meeting with Hon. Mia Davies MLA on the 10 October 2022
- Attended the CEO Annual Appraisal on the 11 October 2022
- Attended the Council Roads Workshop on the 11 October 2022
- Attended the Southern Cross Ladies Day on the 15 October 2022

Cr Guerini announced the following;

- Attended the CEO Annual Appraisal on the 11 October 2022
- Attended the Council Roads Workshop on the 11 October 2022

9.1 Officers Report – Chief Executive Officer

9.1.1 Shire of Yilgarn Tourism Advisory Committee – Changes to Committee

File Reference	1.3.10.5
Disclosure of Interest	None
Voting Requirements	Absolute Majority
Author	Nic Warren – Chief Executive Officer
Attachments	Nil

Purpose of Report

For Council to consider and endorse changes to the membership of the Shire of Yilgarn Tourism Advisory Committee.

Background

At the August 2020 Ordinary Council meeting, Councillors moved to re-form the Tourism Advisory Committee, with the following motion carried:

116/2020

Moved Cr Shaw/Seconded Cr Cobden

That Council:-

- 1. Appoints the following Community members to the Shire of Yilgarn's Tourism Advisory Committee:-**

Leonie Gethin, Robin Stevens, Kaye Crafter, Charles Jenkins, Ken Fairless, Kerry Fairless, Gary Kenward, Alison Carnicelli, Shannon Carnicelli, Jess Stephens, Laura Black, Ron Goodhill.

- 2. Appoints Councillors Cobden and Rose as Council's representatives on the above Committee.**

CARRIED BY ABSOLUTE MAJORITY (7/0)

Since reforming, the Committee has been pivotal in the drafting and implementation of the Tourism Marketing Strategy and Activation Plan, which has led to a rebranding for the Shire, a new tourism website, social media presence and progression of a number of infrastructure projects.

At the June 2022 Ordinary Council Meeting a number of additional members were added to the Committee, with Council resolving:

179/2022

Moved Cr Rose/Seconded Cr Cobden

That Council endorses the inclusion of Onida Truran, Liz Sheehan & Malcom Tabner to the Shire of Yilgarn Tourism Advisory Committee.

And

That Council notes the resignation of Charlie Jenkins from the Shire of Yilgarn Tourism Advisory Committee.

CARRIED BY ABSOLUTE MAJORITY (6/0)

Comment

The committee has held a number of meetings recently where quorum has not been met. The current number of members is 16, requiring 9 to meet quorum.

As such, it was raised at the October Tourism Advisory Committee meeting, that the Shire would be looking to reduce the number of members, and subsequently sought nominations from current members.

Existing members who didn't nominate are still welcome and encouraged to attend the meetings, as observers.

Cr Cobden and Cr Rose remain as Council's delegates, and the following community members have nominated:

- Kaye Crafter
- Liz Sheehan
- Onida Truran
- Malcolm Tabner

Statutory Environment

Local Government Act 1995

5.8. Establishment of committees

A local government may establish* committees of 3 or more persons to assist the council and to exercise the powers and discharge the duties of the local government that can be delegated to committees.

** Absolute majority required.*

5.9. Committees, types of

(1) In this section —

other person means a person who is not a council member or an employee.

(2) A committee is to comprise —

- (a) council members only; or
- (b) council members and employees; or
- (c) council members, employees and other persons; or
- (d) council members and other persons; or
- (e) employees and other persons; or
- (f) other persons only.

5.10. Committee members, appointment of

(1) A committee is to have as its members —

- (a) persons appointed* by the local government to be members of the committee (other than those referred to in paragraph (b)); and
- (b) persons who are appointed to be members of the committee under subsection (4) or (5).

** Absolute majority required.*

- (2) At any given time each council member is entitled to be a member of at least one committee referred to in section 5.9(2)(a) or (b) and if a council member nominates himself or herself to be a member of such a committee or committees, the local government is to include that council member in the persons appointed under subsection (1)(a) to at least one of those committees as the local government decides.
- (3) Section 52 of the *Interpretation Act 1984* applies to appointments of committee members other than those appointed under subsection (4) or (5) but any power exercised under section 52(1) of that Act can only be exercised on the decision of an absolute majority of the council.
- (4) If at a meeting of the council a local government is to make an appointment to a committee that has or could have a council member as a member and the mayor or president informs the local government of his or her wish to be a member of the committee, the local government is to appoint the mayor or president to be a member of the committee.
- (5) If at a meeting of the council a local government is to make an appointment to a committee that has or will have an employee as a member and the CEO informs the local government of his or her wish —
 - (a) to be a member of the committee; or
 - (b) that a representative of the CEO be a member of the committee, the local government is to appoint the CEO or the CEO's representative, as the case may be, to be a member of the committee.

[Section 5.10 amended: No. 16 of 2019 s. 18.]

Strategic Implications

Shire of Yilgarn Strategic Community Plan 2020-2030 – Economic – Tourism Opportunities Maximised – Re-establish a Yilgarn Tourism Committee to advise /recommend to Council on actions to promote tourism in the district.

Policy Implications

Nil.

Financial Implications

Nil.

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Inability for community to provide input into the Tourism activities of the district	Moderate (6)	Inclusion of new members to the Tourism Advisory Committee to permit a voice towards Tourism activities undertaken by the Shire.
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Nil	Nil	Nil
Reputational	Reputational damage caused by lack of tourism activities and ability for community to provide input	Moderate (6)	Inclusion of new members to the Tourism Advisory Committee to permit a voice towards Tourism activities undertaken by the Shire
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

247/2022

Moved Cr Close/Seconded Cr Guerini

That Council endorses the amendments to membership of the Shire of Yilgarn Tourism Advisory Committee, with the Committee consisting of the following voting members:

- *Cr Jodie Cobden – Council Delegate*
- *Cr Linda Rose – Council Delegate*
- *Kaye Crafter – Community Member*
- *Liz Sheehan – Community Member*
- *Onida Truran – Community Member*
- *Malcolm Tabner – Community Member*

CARRIED BY ABSOLUTE MAJORITY (5/0)

9.1 Officers Report – Chief Executive Officer

9.1.2 Revocation of Previous Motion and Reconsideration of a Motion relating to Lot 464 Coolgardie Road

File Reference	1.6.37.1
Disclosure of Interest	None
Voting Requirements	1/3 Councillor support for revocation of previous motion & Simple Majority for new motion
Author	Nic Warren – Chief Executive Officer
Attachments	Nil

Purpose of Report

For Council to support the revocation of a previous decision and reconsider a motion relating to the transfer of Lot 464 Coolgardie Road, Southern Cross.

Background

At the September 2022 Ordinary Council meeting, Council resolved the following:

240/2022

Moved Cr Guerini/Seconded Cr Close

That Council agree to the transfer of land, being Lot 464 Coolgardie Road, Southern Cross (Plan 223128), from the Perth Diocesan Trust to the Shire of Yilgarn, on the provision there is no cost to the Shire of Yilgarn, with the exception of conveyancing fees.

CARRIED (5/0)

The resolution was the result of the Perth Diocesan Trust seeking Council's interest in the transfer of Lot 464 Coolgardie Road, Southern Cross, to the Shire of Yilgarn as freehold land. The Lot houses the old cemetery and "Town Businesses" sign.

Comment

Upon advising the Perth Diocesan Trust of Council's position, the Department of Planning Lands and Heritage provided the following advice:

The Shire council resolution states "Lot 464 to be transferred on the provision there is no cost to the Shire", unfortunately a valuation must be undertaken for a request to freehold, then the Shire would have to agree to the valuation and cover the costs, would the Shire agree to the Reserve being vested to the Shire instead of freehold, there would be no costs to the Shire?

The CEO's raised concerns regarding possible Management Orders requiring the Shire to undertake certain measures relating to the Lot, however, the Department have advised that the Shire may choose its own vesting purpose, stating:

It is usual for the Shire to request what purpose they require, I note the Reserve adjacent to Lot 464 the purpose is "Park", as there is a cemetery on Lot 464 which is no longer used, the Shire could look at a purpose of "Historic cemetery/Park/Recreation", once the shire has decided on a purpose could you please provide a council resolution.

As such, the CEO seeks Council to revoke the previous motion relating to this matter (Resolution 240/2022), and consider a new motion, which endorses the vesting of Lot 464 Coolgardie Road, Southern Cross to the Shire as a Reserve, with a purpose of "Historic Cemetery/Park/Recreation".

The Local Government (Administration) Regulations 1996 requires 1/3 of Councillors to support the revocation of the previous motion before the new motion can be considered. At least 3 Councillors need to support the revocation.

Statutory Environment

Local Government Act 1995.

Local Government (Administration) Regulations 1996

Part 2 Council and committee meetings

10. Revoking or changing decisions (Act s. 5.25(1)(e))

- (1) If a decision has been made at a council or a committee meeting then any motion to revoke or change the decision must be supported —*
 - (a) in the case where an attempt to revoke or change the decision had been made within the previous 3 months but had failed, by an absolute majority; or*
 - (b) in any other case, by at least 1/3 of the number of offices (whether vacant or not) of members of the council or committee, inclusive of the mover.*
- (1a) Notice of a motion to revoke or change a decision referred to in subregulation (1) is to be signed by members of the council or committee numbering at least 1/3 of the number of offices (whether vacant or not) of members of the council or committee, inclusive of the mover.*
- (2) If a decision is made at a council or committee meeting, any decision to revoke or change the decision must be made by an absolute majority.*
- (3) This regulation does not apply to the change of a decision unless the effect of the change would be that the decision would be revoked or would become substantially different.*

Strategic Implications

Nil.

Policy Implications

Nil.

Financial Implications

Nil.

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Nil	Nil	Nil
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

Part 1

That the required number of Councillors, being at least 3, support a motion to revoke the Decision made at the September Ordinary Council Meeting, being Resolution 240/2022.

ALL COUNCILLORS SUPPORTED THE MOTION TO REVOKE RESOLUTION 240/2022

248/2022

Moved Cr Guerini/Seconded Cr Close

Part 2

Council endorses the revocation of resolution 240/2022.

CARRIED (5/0)

249/2022

Moved Cr Guerini/Seconded Cr Close

Part 3

That Council endorse the vesting of Lot 464 Coolgardie Road, Southern Cross to the Shire of Yilgarn as a Reserve, with a purpose of "Historic Cemetery/Park/Recreation".

CARRIED (5/0)

9.1 Reporting Officer– Chief Executive Officer

9.1.3 British Hill Pty Ltd– Application to Clear Native Vegetation under the *Environmental Protection Act 1986*

File Reference	7.2.1.21
Disclosure of Interest	Nil
Voting Requirements	Simple Majority
Author	Nic Warren – Chief Executive Officer
Attachments	Maps provided by DMIRS; Native Clearing Report

Purpose of Report

To consider a response to the Department of Mines, Industry, Regulation and Safety (DMIRS), regarding a proposal from British Hill Pty Ltd to clear native vegetation on mining leases within the Shire of Yilgarn.

Background

The Shire is in receipt of correspondence from the DMIRS, relating to a submission from British Hill Pty Ltd, seeking a permit to clear 8 hectares of native vegetation under the *Environmental Protection Act 1986* for the purpose of Mineral Production and Associated Activities.

Comment

The site is currently subject to mining leases M77/1256.

Whilst the Shire has been provided the standard Photomap and Natmap from the Department (attached), there is little further information regarding the application available, nor has British Hill Pty Ltd provided any information recently to the Shire in relation to this site and their intentions in the area.

It is proposed Council seek a report from British Hill Pty Ltd on their activities within the Shire of Yilgarn, prior to considering a position in relation to the clearing application.

Statutory Environment

Environmental Protection Act 1986

Strategic Implications

Goal	A prosperous future for our community.
Outcome	Businesses in the Shire remain competitive and viable.
Strategy	Continue to provide an efficient and effective approval process.

Policy Implications

Nil

Financial Implications

Nil

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Compliance with relative environmental and mining legislation.	Low (1)	DMIRS Assessment and Approval Processes
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Environmental impacts from mining activities.	Low (1)	DMIRS Assessment and Approval Processes

Risk Matrix						
Consequence		Insignificant	Minor	Moderate	Major	Catastrophic
Likelihood		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

250/2022

Moved Cr Cobden/Seconded Cr Close

Council endorse the following response to the Department of Mines, Industry Regulation and Safety:

With regards to the application from British Hill Pty Ltd (CPS 9874/1), seeking to clear native vegetation on mining tenement 77/1256 under the Environmental Protection Act 1986, the Shire of Yilgarn seeks a report from British Hill Pty Ltd regarding their intentions within the Shire of Yilgarn and the British Hill Project, prior to considering the proposal.

CARRIED (5/0)

9.1 Officers Report – Chief Executive Officer

9.1.4 CEO Annual Performance Appraisal

File Reference	1.1.10.107
Disclosure of Interest	CEO – In relation to Contract of Employment
Voting Requirements	Absolute Majority
Author	Nic Warren – Chief Executive Officer
Attachments	Confidential - CEO Appraisal Document (Provided Separately by CEO)

Purpose of Report

For Council to endorse the CEO Annual Performance Appraisal report conducted on Tuesday, 11 October 2022.

Background

As per section 4 of the Chief Executive Officers contract of employment it states:

4.1 Performance Criteria

- (1) *The Performance Criteria is included at Appendix 1*
- (2) *The Performance Criteria must be reasonably achievable by You.*
- (3) *You must use every reasonable endeavour to comply with the Performance Criteria.*
- (4) *The Performance Criteria –*
 - (a) *must be reviewed annually by the parties; and*
 - (b) *may be amended, from time to time, by agreement in writing between the parties.*

4.2 Performance Criteria and performance review

Your performance under this Contract, must be reviewed and determined by the Reviewer –

- (a) *by reference to the Performance Criteria;*
- (b) *at least annually; and*
- (c) *more frequently if the Council or You perceives there is a need to do so and, in that case, gives to the other party a Review Notice.*

4.3 Selection of Reviewer

- (1) *The Council, in consultation with You, is to determine, in respect of each review under clause 4.2 -*
 - (a) *who the Reviewer is to be; and*
 - (b) *whether the Reviewer is to be accompanied or assisted by any other person and, if so, the identity of that person.*
- (2) *For example, the Reviewer may be –*
 - (a) *the Council;*
 - (b) *a committee to which the conduct of the performance review has been delegated by the Council under section 5.16 of the Act; or*

- (c) *a person who is a HR professional who is agreed to by the Council to conduct the performance review.*
- (3) *For the avoidance of doubt, if the Council and You are unable to agree on any of the matters set out in subclauses 4.3(1)(a), the Council is to make the relevant determination.*

Comment

At the November 2021 Council meeting, the following resolution was carried:

221/2021

Moved Cr Nolan/Seconded Cr Close

That Council endorses the Chief Executive Officer's Performance Criteria and Annual Appraisal process in accordance with Section 4 of the CEO's Contract of Employment and determines the full Council will be Reviewers for the duration of the Chief Executive Officers contract period.

CARRIED (5/0)

The CEO completed and circulated the approved Performance Criteria and Annual Appraisal document on the 13 September 2022.

The review was originally proposed for the September 2022 Ordinary Council meeting; however, it was agreed between parties to postpone due to a number of absent Councillors.

Council and the CEO scheduled the review on the 11 October 2022, with a summary of notes and ratings from the review detailed in the separately provided Performance Criteria and Annual Appraisal document, as well as action items for the following 12 months.

Council are asked to confirm the document is a true reflection of the review and endorse the document.

Statutory Environment

CEO Contract of Employment

Strategic Implications

Nil.

Policy Implications

Nil.

Financial Implications

Nil.

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Compliance with Contract of Employment and	Moderate (6)	Setting of annual review process in accordance with contract
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

251/2022

Moved Cr Cobden/Seconded Cr Guerini

That Council endorses the CEO Performance Criteria and Annual Appraisal document detailing the outcomes of the Annual CEO Performance Appraisal conducted on Tuesday, 11 October 2022.

CARRIED BY ABSOLUTE MAJORITY (5/0)

9.1 Reporting Officer– Chief Executive Officer

9.1.5 Development Application – Crisp Wireless Telecommunication Equipment Lot 757 Parker Range Road & Nicholson Road, Moorine Rock, WA

File Reference	3.1.1.2
Disclosure of Interest	Nil
Voting Requirements	Simple Majority
Author	Nic Warren – Chief Executive Officer
Attachments	Applicants Supporting Information

Purpose of Report

To consider a Development Application from Crisp Wireless to extend their fixed wireless network within the Shire of Yilgarn by building a 30 metre tower and telecommunication communication hut at Lot 757 Parker Range Road & Nicholson Road, Moorine Rock, WA.

Background

The Shire is in receipt of a Development Application from Crisp Wireless seeking approval to extend their fixed wireless network within the Shire of Yilgarn.

The application relates to a privately owned property and Crisp Wireless have obtained permission from the landowner to erect telecommunication equipment on site. The property is zoned rural/mining and the Town Planning Scheme 2 (TPS2) defines rural/mining as;

“The Rural/Mining Zone is to be used for agricultural, residential and public recreation uses. Extractive industry (mining) occurs widespread in the rural area of the Shire but, owing to its high impact, needs to be approved by Council after satisfactory advertisement”

Although the rural/mining zone to be used for agricultural, residential and public recreation, additional uses can be considered subject to complying with the provisions of the scheme.

The “Zoning Tables” in the TPS2 specifies the uses permitted in various zones. The permissibility of any use is determined by cross reference between the list of classes on the left hand side of the Zoning Table and the list of zones at the top of the Zoning Table (Table 1).

"P" means that the use is permitted by the Scheme.

"AA" means that the use is not permitted unless the Council has granted planning approval.

"SA" means that the use is not permitted unless the Council has granted planning approval after giving notice in accordance with Clause 6.3.

TABLE 1 - ZONING TABLE

ZONES							
		Residential	Commercial	Industrial	Special Use	Townsite	Rural Mining
40	Radio/TV. Installation	SA	AA	AA		AA	AA

There is no specific use listed in the zoning table for telecommunication towers however radio and television installations are considered similar in nature in terms of their impact on visual amenity. Council is advised that the Shire considers that the proposal meets the objectives of the scheme and the current Shire of Yilgarn Strategic Community Plan.

An economic strategy of the Strategic Community Plan states that “The Shire continue to provide an efficient and effective approval process” and “Support initiatives progressed by the local business community.”

Comment

The reporting officer considers the use to fall within the AA use under the “Zoning Table” and Council has the ability to either approve or reject the application.

There are significant shortfalls with regards to the delivery of reliable internet connection in regional Western Australia. Given that the aim of the application is to improve the delivery of reliable internet in regional and remote areas, it is the reporting officer’s view that the establishment of additional infrastructure will be of benefit to the community.

The WAPC State Planning Policy 5.2 – Telecommunications Infrastructure acknowledges the importance of providing telecommunications services to the community through the rollout of new networks but seeks for telecommunication towers to be developed in a sustainable manner that minimises the visual impact within the locality.

The proposed location of the tower is considered to have marginal visual impact on the surrounding area given that the tower is obscured by the surrounding vegetation buffer.

Additionally, given the remoteness, distance from residential properties and limited infrastructure requirements, it is the reporting officer’s view that the proposal will have minimal impact on the amenity of the area.

Statutory Environment

Shire of Yilgarn Town Planning Scheme 2

Strategic Implications

- Goal:** A prosperous future for our community
- Outcome:** Businesses in the Shire remain competitive and viable
- Strategy:** Continue to provide an efficient and effective approval processes

Policy Implications

Nil

Financial Implications

Applicable Development Application fees

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Development non-compliant with relevant planning legislation.	Low 4	DA to be determined by Council as per TPS2
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence		Insignificant	Minor	Moderate	Major	Catastrophic
Likelihood		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

252/2022

Moved Cr Cobden/Seconded Cr Close

That Council approve the proposed development for the establishment of a telecommunication hut and the construction a 30 m communications tower at Lot 757 Parker Range Road & Nicholson Road, Moorine Rock, WA.

CARRIED (5/0)

9.2 Reporting Officer– Executive Manager Corporate Services

9.2.1 Financial Reports

File Reference	8.2.3.2
Disclosure of Interest	Nil
Voting Requirements	Simple Majority
Author	Ben Forbes-Finance Manager
Attachments	Financial Reports

Purpose of Report

To consider the Financial Reports

Background

Enclosed for Council's information are various financial reports that illustrate the progressive position of Council financially on a month-by-month basis.

The following reports are attached and have been prepared as at the 30 September 2022

- Rates Receipt Statement
- Statement of Investments
- Monthly Statement of Financial Activity

Councillors will be aware that it is normal practice for all financial reports to be indicative of Council's current Financial Position as at the end of each month.

Comment

Nil

Statutory Environment

Local Government (Financial Management) Regulations 1996

34. Financial activity statement required each month (Act s. 6.4)

(1A) In this regulation —

committed assets means revenue unspent but set aside under the annual budget for a specific purpose.

(1) A local government is to prepare each month a statement of financial activity reporting on the revenue and expenditure, as set out in the annual budget under regulation 22(1)(d), for that month in the following detail —

- annual budget estimates, taking into account any expenditure incurred for an additional purpose under section 6.8(1)(b) or (c); and
- budget estimates to the end of the month to which the statement relates; and

- (c) actual amounts of expenditure, revenue and income to the end of the month to which the statement relates; and
 - (d) material variances between the comparable amounts referred to in paragraphs (b) and (c); and
 - (e) the net current assets at the end of the month to which the statement relates.
- (2) Each statement of financial activity is to be accompanied by documents containing —
 - (a) an explanation of the composition of the net current assets of the month to which the statement relates, less committed assets and restricted assets; and
 - (b) an explanation of each of the material variances referred to in subregulation (1)(d); and
 - (c) such other supporting information as is considered relevant by the local government.
- (3) The information in a statement of financial activity may be shown —
 - (a) according to nature and type classification; or
 - (b) by program; or
 - (c) by business unit.
- (4) A statement of financial activity, and the accompanying documents referred to in subregulation (2), are to be —
 - (a) presented at an ordinary meeting of the council within 2 months after the end of the month to which the statement relates; and
 - (b) recorded in the minutes of the meeting at which it is presented.
- (5) Each financial year, a local government is to adopt a percentage or value, calculated in accordance with the AAS, to be used in statements of financial activity for reporting material variances.

Strategic Implications

Nil

Policy Implications

Nil

Financial Implications

Nil

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Monthly snapshot of Councils financial position	Moderate (6)	Ongoing review of Councils operations
Service Interruption	Nil	Nil	Nil
Compliance	Local Government (Financial Management) Regulations 1996	Moderate (6)	Adherence to statutory requirements
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence		Insignificant	Minor	Moderate	Major	Catastrophic
Likelihood		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

253/2022

Moved Cr Cobden/Seconded Cr Close

That Council endorse the various Financial Reports as presented for the period ending 30 September 2022.

CARRIED (5/0)

9.2 Reporting Officer– Executive Manager Corporate Services

9.2.2 Accounts for Payment

File Reference	8.2.1.2
Disclosure of Interest	Nil
Voting Requirements	Simple Majority
Author	Wes Furney-Finance Officer
Attachments	Accounts for Payment

Purpose of Report

To consider the Accounts Paid under delegated authority.

Background

- Municipal Fund – Cheques 41159 to 41159 totalling \$76,855.09
- Municipal Fund - EFT 13109 to 13216 totalling \$545,236.82
- Municipal Fund – Cheques 2010 to 2028 totalling \$273,198.29
- Municipal Fund Direct Debit Numbers:
 - 17205.1 to 17205.12 totalling \$24,297.49
 - 17263.1 to 17263.12 totalling \$24,340.00
- Trust Fund - Cheques 402639 to 402666 totalling \$36,724.02

The above are presented for endorsement as per the submitted list.

Comment

Nil

Statutory Environment

Local Government Act 1995

5.42. Delegation of some powers and duties to CEO

- (1) A local government may delegate* to the CEO the exercise of any of its powers or the discharge of any of its duties under —
 - (a) this Act other than those referred to in section 5.43; or
 - (b) the *Planning and Development Act 2005* section 214(2), (3) or (5).

* Absolute majority required.

- (2) A delegation under this section is to be in writing and may be general or as otherwise provided in the instrument of delegation.

Local Government (Financial Management) Regulations 1996

12. Payments from municipal fund or trust fund, restrictions on making

- (1) A payment may only be made from the municipal fund or the trust fund —
 - (a) if the local government has delegated to the CEO the exercise of its power to make payments from those funds — by the CEO; or
 - (b) otherwise, if the payment is authorised in advance by a resolution of the council.
- (2) The council must not authorise a payment from those funds until a list prepared under regulation 13(2) containing details of the accounts to be paid has been presented to the council.

13. Payments from municipal fund or trust fund by CEO, CEO's duties as to etc.

- (1) If the local government has delegated to the CEO the exercise of its power to make payments from the municipal fund or the trust fund, a list of accounts paid by the CEO is to be prepared each month showing for each account paid since the last such list was prepared —
 - (a) the payee's name; and
 - (b) the amount of the payment; and
 - (c) the date of the payment; and
 - (d) sufficient information to identify the transaction.
- (2) A list of accounts for approval to be paid is to be prepared each month showing —
 - (a) for each account which requires council authorisation in that month —
 - (i) the payee's name; and
 - (ii) the amount of the payment; and
 - (iii) sufficient information to identify the transaction;and
 - (b) the date of the meeting of the council to which the list is to be presented.
- (3) A list prepared under subregulation (1) or (2) is to be —
 - (a) presented to the council at the next ordinary meeting of the council after the list is prepared; and
 - (b) recorded in the minutes of that meeting.

Strategic Implications

Nil

Policy Implications

Council Policy 3.11 – Timely Payment of Suppliers

Financial Implications

Drawdown of Bank funds

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Transactions require two senior managers to approve.	Moderate (8)	Transactions require two senior managers to sign cheques or approve bank transfers.
Financial Impact	Reduction in available cash.	Moderate (5)	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Local Government (Financial Management) Regulations 1996	Moderate (6)	Adherence to statutory requirements
Reputational	Non or late payment of outstanding invoices and/or commitments	Moderate (9)	Adherence to Timely Payment of Suppliers Policy
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

254/2022

Moved Cr Cobden/Seconded Cr Close

- *Municipal Fund – Cheques 41159 to 41159 totalling \$76,855.09*
- *Municipal Fund - EFT 13109 to 13216 totalling \$545,236.82*
- *Municipal Fund – Cheques 2010 to 2028 totalling \$273,198.29*
- *Municipal Fund Direct Debit Numbers:*
 - *17205.1 to 17205.12 totalling \$24,297.49*
 - *17263.1 to 17263.12 totalling \$24,340.00*
- *Trust Fund - Cheques 402639 to 402666 totalling \$36,724.02*

The above are presented for endorsement as per the submitted list.

CARRIED (5/0)

9.2 Reporting Officer– Executive Manager Corporate Services

9.2.3 Write-off of Outstanding Rates & Charges Post Public Auction

File Reference	8.1.1.6
Disclosure of Interest	Nil
Voting Requirements	Absolute Majority
Author	Cameron Watson – Exec Manager Corporate Services
Attachments	Nil

Purpose of Report

This report seeks Councils approval for the write off outstanding rates and charges after the proceeds of sale from the recent public auction of properties seized for non-payment are applied and transfer to new ownership is completed.

Background

On the 17th September a public auction was held consisting of 8 auction lots being rate assessments seized for non-payment. The contracts of sale for all the auction lots indicated that the auction lots were being offered “as is” and that deposits required from the successful bidders would be 10% of the final bid. All deposits have been received prior to the writing of this report.

The assessments offered were:

Assessment Number	Assessment Address and Description of Improvements	Rates & Charges Outstanding	Auction Sale Price
A2091	99 Canopus St, Southern Cross (Vacant Land)	\$9,768.12	\$1,000.00
A7310	13 Overington St, Marvel Loch (Vacant Land)	\$8,873.19	\$1,000.00
A7960	15 Williamson St, Marvel Loch (Vacant Land)	\$19,695.15	\$3,200.00
A8110	41 Lenneberg St, Marvel Loch (Vacant Land)	\$11,468.21	\$1,000.00
A12070	40 Griffiths St, Bodallin (Derelict Residence & Shed)	\$10,363.65	\$10,500.00
A4010	25 Taurus St, Southern Cross (Duplex Residences)	\$39,061.58	\$51,000.00
A7180	19-21 Lenneberg St, Marvel Loch (Residence & 3 Room SPQ)	\$16,513.86	\$34,000.00
A7250	28 Horan St, Marvel Loch (Residence)	\$16,069.74	\$13,500.00

The auction sale price for 40 Griffiths Street, Bodallin is indicated in **RED** as the successful bidder has since requested to not go through with the purchase as the residence is in a worse state than they expected and is not salvageable. The officer recommendation will include a request for approval to return this deposit as the contracts of sale for all auction lots stipulated that deposits were to be non-refundable.

Comment

As can be seen from the auction results listed above, several of the assessments will need to have an outstanding balance cleared once settlement is finalised. The two assessments that sold for in excess of the outstanding amounts will result in full payment however, it must be noted that any excess from these sales cannot be used to offset the write-offs resulting from the

other assessments. In essence, each auction lot is an individual transaction limited to that assessment and cannot be pooled.

The methodology for disbursing funds from the sale, as set out in the *Schedule 6.3 (5)* of the *Local Government Act 1995*, is as follows:

1. Council's costs, charges and expenses incurred in progressing the collection process to auction, including the cost of the auction; then
2. The assessments unpaid rates and service charges; then
3. Costs and other charges due to or imposed in favour of the Crown; then
4. Councils transfer of title (settlement) costs; then
5. Any mortgages registered on the property; and finally
6. The previous owner.

As it stands, the following is an estimate of what the sale of each assessment will have as it relates to any write-off's to be carried out:

A2091 - 99 Canopus St, Southern Cross					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	500.00	3,370.00	3,870.00	-	3,870.00
Sewerage	210.00	1,466.00	1,676.00	-	1,676.00
Emergency Services Levy	93.00	552.00	645.00	-	645.00
Legal Charges	1,382.95	-	1,382.95	1,000.00	382.95
Interest - Rates	1,965.01	-	1,965.01	-	1,965.01
Interest - ESL	10.31	218.85	229.16	-	229.16
			9,768.12	1,000.00	8,768.12

A7310 - 13 Overington St, Marval Loch					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	500.00	3,000.00	3,500.00	-	3,500.00
Sewerage	300.00	1,601.00	1,901.00	-	1,901.00
Emergency Services Levy	93.00	484.00	577.00	-	577.00
Legal Charges	1,217.96	-	1,217.96	1,000.00	217.96
Interest - Rates	1,500.19	-	1,500.19	-	1,500.19
Interest - ESL	9.04	168.00	177.04	-	177.04
			8,873.19	1,000.00	7,873.19

A7310 - 15 Williamson St, Marval Loch					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	648.98	4,922.14	5,571.12	1,271.16	4,299.96
Sewerage	366.08	3,216.52	3,582.60	-	3,582.60
Domestic Rubbish	340.00	2,673.00	3,013.00	-	3,013.00
Emergency Services Levy	93.00	616.00	709.00	-	709.00
Legal Charges	1,928.84	-	1,928.84	1,928.84	-
Interest - Rates	4,605.18	-	4,605.18	-	4,605.18
Interest - ESL	11.51	273.90	285.41	-	285.41
			19,695.15	3,200.00	16,495.15

A8110 - 41 Lenneberg St, Marval Loch					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	500.00	3,735.00	4,235.00	-	4,235.00
Sewerage	300.00	1,794.00	2,094.00	-	2,094.00
Emergency Services Levy	93.00	616.00	709.00	-	709.00
Legal Charges	1,726.66	-	1,726.66	1,000.00	726.66
Interest - Rates	2,418.14	-	2,418.14	-	2,418.14
Interest - ESL	11.51	273.90	285.41	-	285.41
			11,468.21	1,000.00	10,468.21
A7250 - 28 Horan St, Marval Loch					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	625.38	3,572.35	4,197.73	4,197.73	-
Sewerage	352.77	1,750.54	2,103.31	2,103.31	-
Domestic Rubbish	340.00	1,700.00	2,040.00	1,059.51	980.49
Emergency Services Levy	93.00	413.00	506.00	506.00	-
Legal Charges	5,517.69	-	5,517.69	5,517.69	-
Interest - Rates	1,589.25	-	1,589.25	-	1,589.25
Interest - ESL	7.71	108.05	115.76	115.76	-
			16,069.74	13,500.00	2,569.74
A7180 - 19/21 Lenneberg St, Marval Loch					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	778.78	3,172.38	3,951.16	3,951.16	-
Sewerage	439.30	1,757.20	2,196.50	2,196.50	-
Domestic Rubbish	340.00	1,360.00	1,700.00	1,700.00	-
Emergency Services Levy	93.00	338.00	431.00	431.00	-
Legal Charges	7,288.45	-	7,288.45	7,288.45	-
Interest - Rates	1,199.37	-	1,199.37	1,199.37	-
Interest - ESL	10.33	78.18	88.51	88.51	-
Settlement Costs- Estimate	1,738.08	-	1,738.08	1,738.08	-
			18,593.07	18,593.07	-
TO BE DISBURSED TO OTHER PARTIES			15,406.93		
A4010 - 25 Taurus St, Southern Cross					
SHIRE RATE OR CHARGE	CURRENT \$	AREARS \$	TOTAL \$	PROCEEDS APPLIED	TO BE WRITTEN OFF
Rates	1,923.34	10,709.26	12,632.60	12,632.60	-
Sewerage	1,237.50	6,999.84	8,237.34	8,237.34	-
Domestic Rubbish	680.00	4,068.00	4,748.00	4,748.00	-
Emergency Services Levy	96.20	500.00	596.20	596.20	-
Legal Charges	6,284.88	-	6,284.88	6,284.88	-
Interest - Rates	6,911.94	-	6,911.94	6,911.94	-
Interest - ESL	15.07	172.15	187.22	187.22	-
Settlement Costs- Estimate	2,518.94	-	2,518.94	2,518.94	-
			42,117.12	42,117.12	-
TO BE DISBURSED TO OTHER PARTIES			8,882.88		

As previously indicated, the successful bid received for 40 Griffith St Bodallin has been withdrawn, as such this property has not sold meaning that the rates and charges currently accrued (totalling \$10,363.65) will remain at this time. Council now can attempt sell this property by private treaty.

It should also be noted that the above indicated assessments do not include the costs associated with the transfer of title to the new owners as these amounts would only add to the amounts to be written off. The average costs of these transfers are in the vicinity of \$1,700 each. No write-

offs will occur until the full settlement and transfer of the titles into the new owner's name has occurred and full payment is received.

Statutory Environment

Local Government Act 1995

6.12. Power to defer, grant discounts, waive or write off debts

- (1) Subject to subsection (2) and any other written law, a local government may —
 - (a) when adopting the annual budget, grant* a discount or other incentive for the early payment of any amount of money; or
 - (b) waive or grant concessions in relation to any amount of money; or
 - (c) write off any amount of money,
 which is owed to the local government.

** Absolute majority required.*

- (2) Subsection (1)(a) and (b) do not apply to an amount of money owing in respect of rates and service charges.
- (3) The grant of a concession under subsection (1)(b) may be subject to any conditions determined by the local government.
- (4) Regulations may prescribe circumstances in which a local government is not to exercise a power under subsection (1) or regulate the exercise of that power.

Schedule 6.3 — Provisions relating to sale or transfer of land where rates or service charges unpaid

3. Power of sale

The power of sale includes —

- (a) power to sell the whole or part of the land either together or in lots —
 - (i) by public auction; or
 - (ii) by private contract, if having been offered for sale by public auction, it has not been sold,
 subject to such terms and conditions with respect to the payment of the purchase money or any other matter, including power to fix a reserve price, as the local government thinks fit; and
- (b) power to vary a contract of sale by agreement with the other party to the contract, and to buy in at auction; and
- (c) power to rescind a contract for sale on default by the other party to the contract, and to resell without being answerable for loss occasioned by the rescission and resale; and
- (d) power to make such thoroughfares and to grant such easements of right-of-way or drainage over the land as the circumstances of the case require and the local government thinks fit.

5. Application of purchase money

Where a local government has exercised its power of sale it is required to apply the proceeds of sale in the following manner —

- (a) firstly — in payment of the costs, charges and expenses properly incurred by the local government in or incidental to the sale or attempted sale or the exercise of any other power conferred upon the local government by Part 6, Division 6, Subdivision 6 or this Schedule; and
- (b) secondly — in payment of —
 - (i) unpaid rates or service charges, for the time being due to or imposed by the local government in respect of the land; and
 - (ii) costs and other money, if any, due to or imposed in favour of the Crown in right of the State or a department, agency, or instrumentality of the Crown in right of the State; and
 - (iii) other amounts due to the local government under this or another written law, in respect of the land at the time of the sale, but where the payments required by paragraph (a) to be made have been made, and the balance of the money then remaining is not sufficient for the payment in full of the items required by this paragraph to be made, the local government is to distribute the balance of the money so remaining, between the Crown, the department, the agency, the instrumentality, and the local government, *pro rata* with the amounts of their claims, respectively, unless the Governor, or the Minister controlling the department, agency, instrumentality as the case requires, consents to rank after the local government; and
- (c) thirdly — in payment of the vendor's costs and expenses of and incidental to conferring upon the purchaser a title to the land; and
- (d) fourthly — in or towards the discharge of a charge, if any, on the land under a written law relating to the construction of drains and fittings to connect the land with a sewer; and
- (e) fifthly — in or towards the discharge of other mortgages and encumbrances on the land, both registered and unregistered, according to their priorities at law so far as they can be ascertained by the local government; and
- (f) sixthly — in payment of the residue of the money within 12 months after the local government has received it to —
 - (i) the person who would, but for the proceedings for sale, be entitled to the land; or
 - (ii) if there are several persons who would be so entitled, then to those persons in the proportions in which they would be respectively so entitled,

but if —

- (I) a person is entitled to an estate in reversion or remainder in the land, the local government may pay that residue into the Supreme Court under section 99 of the *Trustees Act 1962*; and
- (II) within that period of 12 months the local government has not paid the residue to the person entitled to it, it is to, on the expiration of that period, pay that residue into the Supreme Court under that section of that Act; and
- (III) at the expiration of 6 years after the money is so paid into the Supreme Court, proceedings have not been commenced or are not pending and the Court has not made an order to the contrary the money is to be paid into the Consolidated Account.

The recommendation that follows is consistent with the legislative requirements.

Strategic Implications

Strategic Community Plan 2020 - 2030

Objective - Civic Leadership.

Outcome 4.1 – A trustworthy and cohesive Council that functions efficiently & effectively.

Strategy 4.1.2 – Maintain a high level of corporate governance, responsibility & accountability.

Policy Implications

Council Policy

3.9 – Rates and Charges Recovery Policy (Including Sewerage Rates Financial Hardship)

Financial Implications

Write-off of \$46,174.41 of rates and other charges.

The 2022/2023 budget has an inclusion of \$40,000 in Account E03118 – Debtors Written Off of which \$5,053.01 has been utilised to date.

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Loss of Revenue	Low (2)	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Compliance with the Local Government Act and associated Regulations.	Low (2)	Ensure write-offs are endorsed by Council.
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

255/2022

*Moved Cr Nolan/Seconded Cr Cobden
That Council*

- pursuant to Section 6.12 (1) (c) of the Local Government Act 1995, approves the write-off of the amounts of rates and other charges associated with the individual assessments as follows:*

- *A2091 – 99 Canopus Street, Southern Cross - \$ 8,768.12*
- *A7310 – 13 Overington Street, Marvel Loch - \$ 7,873.19*
- *A7310 – 15 Williamson Street, Marvel Loch - \$16,495.15*
- *A8110 – 41 Lenneberg Street, Marvel Loch - \$10,468.21*
- *A7250 – 28 Horan Street, Marvel Loch - \$ 2,569.74*

and

- approves the return of the deposit amount of \$1,050.00 received from the bidder on 40 Griffiths Street Bodallin on the withdrawal of their bid.*

CARRIED BY ABSOLUTE MAJORITY (5/0)

9.2 Reporting Officer– Executive Manager Corporate Services

9.2.4 Use of Common Seal - Transfer of Land (Sale for Rates)

File Reference	1.1.12.1
Disclosure of Interest	Nil
Voting Requirements	Simple Majority
Author	Cameron Watson – Exec Manager Corporate Services
Attachments	Nil

Purpose of Report

This report seeks Councils approval for the affixing of Councils Common Seal to seven Transfer of Land (Sale for Rates) documents and to seek approval for the Shire President and Chief Executive Officer to sign the same.

Background

On the 17th September a public auction was held consisting of 8 auction lots being rate assessments seized for non-payment with 7 being subsequently sold.

Comment

BKS Conveyancing has been engaged to undertake the settlement and transfer of title for the 7 assessments sold. Conveyancing paperwork has been received that requires the affixing of Councils Common Seal and for the Shire President and Chief Executive Officer sign on Councils behalf.

Statutory Environment

Local Government Act 1995

Division 3 — Documents

9.49A. Execution of documents

- (1) A document is duly executed by a local government if —
 - (a) the common seal of the local government is affixed to it in accordance with subsections (2) and (3); or
 - (b) it is signed on behalf of the local government by a person or persons authorised under subsection (4) to do so.
- (2) The common seal of a local government is not to be affixed to any document except as authorised by the local government.
- (3) The common seal of the local government is to be affixed to a document in the presence of —
 - (a) the mayor or president; and

(b) the CEO,

each of whom is to sign the document to attest that the common seal was so affixed.

- (4) A local government may, by resolution, authorise the CEO, another employee or an agent of the local government to sign documents on behalf of the local government, either generally or subject to conditions or restrictions specified in the authorisation.
- (5) A document executed by a person under an authority under subsection (4) is not to be regarded as a deed unless the person executes it as a deed and is permitted to do so by the authorisation.
- (6) A document purporting to be executed in accordance with this section is to be presumed to be duly executed unless the contrary is shown.
- (7) When a document is produced bearing a seal purporting to be the common seal of the local government, it is to be presumed that the seal is the common seal of the local government unless the contrary is shown.

[Section 9.49A inserted: No. 17 of 2009 s. 43; amended: No. 16 of 2019 s. 68.]

The recommendation that follows is consistent with the legislative requirements.

Strategic Implications

Nil

Policy Implications

Council Policy

1.4 – Use of Council's Common Seal

Financial Implications

Nil

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Compliance with the Local Government Act and Council Policies.	Low (4)	Ensure documentation is appropriately endorsed.
Reputational	Nil	Nil	Nil

Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence		Insignificant	Minor	Moderate	Major	Catastrophic
Likelihood		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

256/2022

Moved Cr Guerini/Seconded Cr Nolan
That Council

1. *approves the affixing of its Common Seal to Transfer of Land (Sale for Rates) documents resulting from the sale by public auction for non-payment of rates for the following assessments:*

- *A2091 – 99 Canopus Street, Southern Cross*
- *A7310 – 13 Overington Street, Marvel Loch*
- *A7310 – 15 Williamson Street, Marvel Loch*
- *A8110 – 41 Lenneberg Street, Marvel Loch*
- *A7250 – 28 Horan Street, Marvel Loch*
- *A4010 – 25 Taurus Street, Southern Cross*
- *A7180 – 19-21 Lenneberg Street, Marvel Loch*

and

2. *authorises the Shire President and the Chief Executive Officer to sign the seven Transfer of Land (Sale for Rates) and other associated documentation, listed in point 1, on its behalf.*

CARRIED (5/0)

9.3 Reporting Officer– Executive Manager Infrastructure

9.3.1 Request for Tender to Replace the Dynapac CP 2700 Multi Tyre Roller

File Reference	6.6.8.11 & 6.6.5.14
Disclosure of Interest	Nil
Voting Requirements	Absolute Majority
Author	Glen Brigg – Exec Manager Infrastructure
Attachments	Nil

Purpose of Report

To consider the sale of Council's existing Dynapac Multi Tyre Roller and purchase a replacement roller.

Background

Council's 2022/2023 budget makes provision to replace the 2014 Bomag Roller.

Staff discussed the ongoing issues with the 2016 Dynapac CP2700 multi tyre roller and the preferred option is to replace the 2016 Dynapac Multi Tyre Roller before the 2014 Bomag multi tyre roller. Staff utilised the Preferred Suppliers Services offered by the Western Australian Local Government Association (WALGA) purchasing network.

Council requested quotes from Westrac (Caterpillar), BT Equipment (Bomag) Wirtgen (Hamm) and 2016 Dynapac CP2700 was offered for outright sale through, the WALGA managed tender system. The machine attracted 4 offers for outright purchase.

Comment

Uptime

In simplistic terms, uptime is the time in which a machine (asset) is in operation. This means that while an asset is operational, it is able to produce output. Currently, many shires struggle to keep their assets running at optimal rates to ensure that production meets the goals set by management. It is paramount that asset uptime is optimized to meet these goals. The best way to increase uptime is to reduce downtime.

Downtime

The opposite of uptime, is when the asset is not in operation and therefore no output is being produced and activities come to a halt. Downtime of any one of five machines within roadwork operations can bring a full construction crew to a halt. Not all downtime is bad and some downtime is needed in order to service assets to prolong their life.

In recent years, there has been a shift from reactive maintenance to preventive maintenance, with many shires now looking towards predictive maintenance. These trends have yielded positive results and are playing major roles in the reduction of unplanned downtime.

Prices received for outright sale of the Dynapac CP2700 in the table below,

COMPANY	PRICE	GST	TOTAL
Allied Equipment Sales	\$35,500.00	\$3,550.00	\$39,050.00
Allused Pty Ltd	\$37,500.00	\$3,750.00	\$41,250.00
Manheim Pty Ltd	\$31,818.18	\$3,181.82	\$35,000.00
Smith Broughton	\$35,000.00	\$3,500.00	\$38,500.00

Westrac offered 2 variants which are both within the tender specifications. The only notable differences in the 2 Caterpillar units, is the total weight of each machine. The Shire can't utilise any roller exceeding 22 tonnes as they are limited to the weight carrying ability of the low loader when transporting. All machines when unballasted are well within weight range for transport.

COMPANY	MACHINE	PRICE Excluding GST	TRADE Excluding GST	CHANGEOVER Excluding GST
Westrac	CW34NN	\$193,219.09	\$46,800.00	\$146,419.09
Westrac	CW34NN	\$202,876.61	\$46,800.00	\$156,076.61
Wirtgen	HAMM HP280	\$178,052.63	\$28,000.00	\$150,052.63
BT Equipment	BOMAG BW28	\$184,379.00	\$52,000.00	\$132,379.00

All the new machines tendered are working in different local governments across Australia. Staff rang other shires for their opinions on the machines offered in tender. There were no notable bad comments regarding any of the brands. Westrac provide optional extended warranty (80 months 4,000 hours) reflected in the pricing. The Shire is well versed in Westrac's backup service, parts availability and resale values. Westrac service personnel are available through the Kalgoorlie Branch. The Caterpillar new CW34NN is in stock.

Statutory Environment

Local Government Act 1995

Local Government (Functions and General) Regulations 1996

Strategic Implications

Purchase is in line with the plant replacement program and asset management plan.

Policy Implications

Councils Ten Year, Plant Replacement Program

Finance Policy 3.5 Purchasing and Tendering

Local Government Act 1995

Local Government (Functions and General) Regulations 1996

Financial Implications

The 2022/23 budget makes provision of \$280,000 (GST exclusive) for the purchase of a new Multi Tyre Roller and an income amount (trade) of \$30,000 for the sale of councils 2014 Bomag Multi Tyre Roller for a total changeover of \$250,000

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Increased plant maintenance budget	High (15)	Keeping in line with the Plant Replacement Program will reduce the risk of expensive plant repairs.
Service Interruption	Levels of service, road construction and maintenance	High (10)	Nil
Compliance	Nil	Nil	Nil
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

257/2022

Moved Cr Close/Seconded Cr Nolan

- 1. That, by Absolute Majority in accordance Local Government Act 1995 Local Government (Functions and General) Regulations 1996 that council does not replace the 2014 Bomag Roller for a total changeover of \$250,000 identified in the 2022/2023 budget.**
- 2. That council adopts to replace the 2016 Dynapac CP2700 multi tyre roller in the 2022/2023 financial year for a total changeover of \$156,076.61 excluding GST**
- 3. That council rejects all tenders for outright purchase through the WALGA Preferred Suppliers Asset Disposal Service for the Dynapac CP2700 multi tyre roller.**
- 4. That council accepts the tender from Westrac to purchase a new Caterpillar CW34NN for \$202,876.61 excluding GST, which includes extended warranty spare tyre and service tools.**
- 5. That council trades the existing Dynapac CP2700 multi tyre roller to Westrac for \$46,800 (excluding GST) for a total changeover of \$156,076.61 (excluding GST)**

CARRIED BY ABSOLUTE MAJOITY (5/0)

9.3 Reporting Officer– Executive Manager Infrastructure

9.3.2 Request for Tender to Replace the 2014 John Deere 670G Grader

File Reference	6.6.8.11
Disclosure of Interest	Nil
Voting Requirements	Absolute Majority
Author	Glen Brigg – Exec Manager Infrastructure
Attachments	Nil

Purpose of Report

To consider the sale of Council's existing 2014 John Deere 670G Grader and purchase of a replacement grader.

Background

Council's 2022/2023 budget makes provision to replace the 2014 John Deere 670G grader and staff have utilized the Preferred Supplier Service offered by the Western Australian Local Government Association (WALGA) purchasing network.

Council requested quotes from Komatsu, Westrac (Caterpillar), ADT Western Australia (Doosan). The John Deere 670G grader was offered for outright sale through, the WALGA managed tender system. The machine attracted 4 offers for outright purchase.

Comment

There are a number of benefits associated with having a strong asset life cycle management program within the shire. Here are four ways to use life cycle data to our advantage.

- **Define your assets and their conditions.** The right asset management program will enable you to record the establishment date, condition and cost-effectiveness of each piece of equipment. This data can be used to forecast an asset's estimated useful life and total cost of ownership.
- **Support a proactive approach to maintenance.** Asset life cycle management helps local government to actively manage the physical health of its machinery. Proactive maintenance enables organizations to better predict future scenarios, plan for asset failure, and take well-planned steps relating to maintenance and eventual replacement.
- **Support regulatory compliance in your organization.** With the help of infrastructure management software, staff can collect and utilize valuable life cycle data for each critical asset.
- **Prioritize equipment and machinery replacements.** Creating and maintaining a capital budget is an important part of managing assets, by staying up-to-date on asset conditions and life expectancies, staff can more accurately forecast funding needs and ensure maintenance reserves are sufficient.

An asset's lifecycle plays a major role in budget and operational efficiency. Due to the costly nature of most equipment, it's a good idea to continually monitor asset conditions and perform the maintenance tasks needed to keep them in proper working order.

Grader primary production life is 12,000 hours on major components. Beyond 10,000 Council runs a high risk of major component failure. The 2014 John Deere 670G grader that is due for replacement has excess of 10,300 hours.

Based on history, Caterpillar machinery has 96% uptime and 4% downtime. The grader due for replacement has increasing downtime compared to other units within the fleet. Staff have been tracking the productivity of the maintenance graders across the first quarter of 2022/23 financial year. The uptime is derived from machine hour meters, actual run time. The 2014 John Deere 670G grader has been down 3 weeks out of 12 weeks waiting for parts.

2014 John Deere	2016 John Deere	2017 Caterpillar
237 hours	272 hours	330 hours

Westrac were the only company to tender for the replacement grader offering a Caterpillar 140 and is within the tender specifications. Caterpillar have offered extended warranty (70 months 7,000 hours) and optional Autolube. The Autolube system helps ensure the machine is being greased as per manufacturers recommendations. The Autolube system helps increase productivity as the operator isn't manually greasing the machine each day. The Caterpillar 140 is identical to the one purchased earlier this year.

The 2014 John Deere 670G grader was offered for outright sale through WALGA's Preferred Suppliers Service for asset disposal. Prices received in the table below,

COMPANY	PRICE	GST	TOTAL
Allied Equipment Sales	\$135,000.00	\$13,500.00	\$148,500.00
Allused Pty Ltd	\$82,000.00	\$8,200.00	\$90,200.00
Manheim Pty Ltd	\$90,909.09	\$9090.91	\$100,000.00
Smith Broughton	\$125,000.00	\$12,500.00	\$137,500.00

Westrac's tendered price for the new Caterpillar 140 with the trade in price for the 2014 John Deere 670G in the table below,

COMPANY	PRICE	GST	TOTAL
Westrac	\$416,168.87	\$41,616.89	\$457,785.76
Trade 2014 John Deere 670G	\$145,500.00	\$14,550.00	\$160,050.00
Total Changeover (Inc GST)	\$270,668.87	\$27,066.89	\$297,735.76
Optional Extended Warranty	\$8,625.00	\$862.50	\$9487.50
Optional Autolube	12,192.05	\$1,166.19	\$13,411.26

Statutory Environment

Local Government Act 1995

Local Government (Functions and General) Regulations 1996

Strategic Implications

Purchase is in line with the plant replacement program and asset management plan.

Policy Implications

Councils Ten Year, Plant Replacement Program
Finance Policy 3.5 Purchasing and Tendering
Local Government Act 1995
Local Government (Functions and General) Regulations 1996

Financial Implications

The 2022/23 budget makes provision of \$400,000 (GST exclusive) for the purchase of a new grader and an income amount (trade) of \$75,000 for the sale of councils 2014 John Deere 670G grader for a total changeover of \$325,000

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Increased plant maintenance budget	High (15)	Keeping in line with the Plant Replacement Program will reduce the risk of expensive plant repairs.
Service Interruption	Levels of service, road construction and maintenance	High (10)	Nil
Compliance	Nil		Nil
Reputational	Nil		Nil
Property	Nil		Nil
Environment	Nil		Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

258/2022

Moved Cr Guerini/Seconded Cr Close

1. *That, by Absolute Majority in accordance Local Government Act 1995 Local Government (Functions and General) Regulations 1996 that council rejects all tenders for outright sale for the 2014 John Deere 670G grader.*
2. *That council accepts the tender from Westrac to purchase a new Caterpillar 140 grader for \$416,168.87 adding the optional Autolube \$12,192.05 and extended warranty \$8,625.00 for a total of \$436,985.92 (excluding GST)*
3. *That council trades the existing 2014 John Deere 670G grader to Westrac for \$145,500 (excluding GST) for a total changeover of \$291,485.92 (excluding GST)*

CARRIED BY ABSOLUTE MAJORITY (5/0)

10 APPLICATIONS FOR LEAVE OF ABSENCE

Nil

11 MOTIONS FOR WHICH PREVIOUS NOTICE HAS BEEN GIVEN

Nil

12 NEW BUSINESS OF AN URGENT NATURE INTRODUCED BY DECISION OF THE MEETING

259/2022

Moved Cr Close/Seconded Cr Guerini

That the business of an urgent nature be accepted for considered by Council.

CARRIED (5/0)

12 Officers Report – Chief Executive Officer

12.1 Transfer of Assets – Skeleton Weed LAG

File Reference	7.2.3.3
Disclosure of Interest	None
Voting Requirements	Simple Majority
Author	Nic Warren - Chief Executive Officer
Attachments	Nil

Purpose of Report

For Council to endorse commencing the process to dispose of assets held by the Shire of Yilgarn on behalf of the Yilgarn Local Action Group to the Shire of Goomalling and Department of Primary Industries and Regional Development.

Background

The Yilgarn Local Action Group, (YLAG), is a volunteer committee responsible for the management of Skeleton Weed within the Shire of Yilgarn.

The YLAG have two employed staff, who undertake a skeleton weed control program set by the Department of Primary Industries and Regional Development (DPIRD).

The Shire of Yilgarn originally became involved with the YLAG, by providing administrative support. This involved primarily holding funds for use by the YLAG. This has however evolved into the Shire employing the YLAG staff and holding YLAG assets.

The recent Funding Agreements from DPIRD have sought for the Shire to indemnify the Department for any loss associated with the program. Advice from the Shire's insurer, LGIS,

has detailed our policy does not cover third party liabilities, and as such, with the indemnification of the Department, the Shire could be held liable for any loss resulting from the undertaking of the program.

Furthermore, with the implementation of the Work Health and Safety Act 2020, the Shire and Management hold significant liability for the safety of the YLAG employees, something that is thought to be outside of the original “administrative” involvement of the Shire with YLAG.

As such, the Shire of Yilgarn has advised the Department of Primary Industries and Regional Development (DPIRD) of its refusal to sign the funding agreements and therefore cease an operational involvement with the Skeleton Weed program within the Yilgarn area. There are two other Local Governments taking the same action with their YLAG’s.

As a result, DPIRD have arranged for the Shire of Goomalling to take over control of the YLAG staff until the end of June 2023.

As such, the current Shire held YLAG assets are to be transferred to the Shire of Goomalling and DPIRD as per the Departments wishes.

Comment

As per Section 3.58 of the Local Government Act 1995, for these assets to be disposed of, public notice is required.

It is intended to dispose of the assets for nil remuneration. The assets were purchased using YLAG funds, and as such, there is a nil effect to the Shire in disposing of these assets for nil return.

Council are asked to endorse commencing the process of public notice for the disposal of the below assets:

Asset name	Purchase price	WDV (as at 31.08.22)	To be disposed to:
2019 Toyota Hilux SR 4x4 (YL364)	\$45,959.10	\$38,324.86	Shire of Goomalling
Boom spray equipment	\$42,930.36	\$35,055.31	Department of Primary Industries and Regional Development

If endorsed, valuations for both assets will be undertaken, as is required by the Act, prior to undertaking public notice.

Post public notice, the matter will be returned to Council for approval to dispose.

Statutory Environment

3.58. Disposing of property

(1) *In this section —*

***dispose** includes to sell, lease, or otherwise dispose of, whether absolutely or not;*

***property** includes the whole or any part of the interest of a local government in property, but does not include money.*

(2) *Except as stated in this section, a local government can only dispose of property to —*

(a) the highest bidder at public auction; or

(b) the person who at public tender called by the local government makes what is, in the opinion of the local government, the most acceptable tender, whether or not it is the highest tender.

(3) *A local government can dispose of property other than under subsection (2) if, before agreeing to dispose of the property —*

(a) it gives local public notice of the proposed disposition —

(i) describing the property concerned; and

(ii) giving details of the proposed disposition; and

(iii) inviting submissions to be made to the local government before a date to be specified in the notice, being a date not less than 2 weeks after the notice is first given;

and

(b) it considers any submissions made to it before the date specified in the notice and, if its decision is made by the council or a committee, the decision and the reasons for it are recorded in the minutes of the meeting at which the decision was made.

(4) *The details of a proposed disposition that are required by subsection (3)(a)(ii) include —*

(a) the names of all other parties concerned; and

(b) the consideration to be received by the local government for the disposition; and

(c) the market value of the disposition —

(i) as ascertained by a valuation carried out not more than 6 months before the proposed disposition; or

(ii) as declared by a resolution of the local government on the basis of a valuation carried out more than 6 months before the proposed disposition that the local government believes to be a true indication of the value at the time of the proposed disposition.

(5) *This section does not apply to —*

- (a) a disposition of an interest in land under the Land Administration Act 1997 section 189 or 190; or
- (b) a disposition of property in the course of carrying on a trading undertaking as defined in section 3.59; or
- (c) anything that the local government provides to a particular person, for a fee or otherwise, in the performance of a function that it has under any written law; or
- (d) any other disposition that is excluded by regulations from the application of this section.

Strategic Implications

Nil.

Policy Implications

Nil.

Financial Implications

Nil.

Risk Implications

Risk Category	Description	Rating (Consequence x Likelihood)	Mitigation Action
Health/People	Nil	Nil	Nil
Financial Impact	Nil	Nil	Nil
Service Interruption	Nil	Nil	Nil
Compliance	Non-compliance with LG Act regarding disposal of assets	Moderate (6)	Disposal of assets as per Section 3.58 of LG Act.
Reputational	Nil	Nil	Nil
Property	Nil	Nil	Nil
Environment	Nil	Nil	Nil

Risk Matrix						
Consequence Likelihood		Insignificant	Minor	Moderate	Major	Catastrophic
		1	2	3	4	5
Almost Certain	5	Moderate (5)	High (10)	High (15)	Extreme (20)	Extreme (25)
Likely	4	Low (4)	Moderate (8)	High (12)	High (16)	Extreme (20)
Possible	3	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
Unlikely	2	Low (2)	Low (4)	Moderate (6)	Moderate (8)	High (10)
Rare	1	Low (1)	Low (2)	Low (3)	Low (4)	Moderate (5)

Officer Recommendation and Council Decision

260/2022

Moved Cr Cobden/Seconded Cr Guerini

That Council endorse commencing the valuation and public notice requirements, as per Section 3.58(3) of the Local Government Act 1995, to dispose of the following assets to the relevant entities for nil remuneration:

- 2019 Toyota Hilux SR 4x4 (YL364) to be disposed to the Shire of Goomalling; and
- Boom Spray to be disposed to the Department of Primary Industries and Regional Development.

CARRIED (5/0)

13 MEETING CLOSED TO THE PUBLIC-CONFIDENTIAL ITEMS

Nil

14 CLOSURE

As there was no further business to discuss, the Shire President declared the meeting closed at 4:30pm

I, Wayne Della Bosca confirm the above Minutes of the Meeting held on Thursday, 20 October 2022, are confirmed on Thursday, 17 November 2022 as a true and correct record of the October 2022 Ordinary Meeting of Council.

Cr Wayne Della Bosca
SHIRE PRESIDENT

UNCONFIRMED



WEROC Inc. CEO Committee Meeting

Thursday 13 October 2022

Kellerberrin Shire Council Chambers

MINUTES

WEROC | Wheatbelt East Regional Organisation of Councils

Incorporating the Shires of Bruce Rock, Kellerberrin, Merredin, Westonia, Tammin and Yilgarn

A PO Box 5, MECKERING WA 6405

E rebekah@150square.com.au

M 0428 871 202

CONTENTS

1.	OPENING AND ANNOUNCEMENTS	3
2.	RECORD OF ATTENDANCE AND APOLOGIES	3
2.1	ATTENDANCE	3
2.2	APOLOGIES.....	3
2.3	GUESTS	3
3.	DECLARATIONS OF INTEREST	3
4.	MINUTES OF MEETINGS	3
4.1	BUSINESS ARISING	4
5.	PRESENTATIONS.....	4
5.1	MR. DANIEL HAY-HENDRY, MANAGER PROJECTS & ASSETS, SHIRE OF MERREDIN.....	4
6.	MATTERS FOR CONSIDERATION	5
6.1	WEROC INC. STRATEGIC WASTE MANAGEMENT	5
6.2	WHEATBELT BUSINESS NETWORK PROCUREMENT PROPOSAL	6
6.3	LOCAL GOVERNMENT RESOURCE SHARING	8
6.4	WHEATBELT MEDICAL STUDENT IMMERSION PROGRAM 2023.....	9
6.5	WHEATBELT WORKFORCE & HOUSING DISCUSSION PAPER	9
7.	OTHER MATTERS FOR NOTING	10
7.1	DELIVERING WA'S LOCAL CLIMATE OPPORTUNITIES	10
8.	FUTURE MEETINGS	10
9.	CLOSURE	10

WEROC Inc.

Wheatbelt East Regional Organisation of Councils Inc.

Shires of Bruce Rock, Kellerberrin, Merredin, Tammin, Westonia, Yilgarn

Minutes of the CEO Committee Meeting held in Kellerberrin on Thursday 13 October 2022.

MINUTES

1. OPENING AND ANNOUNCEMENTS

Mr. Raymond Griffiths as Chair of the WEROC Inc. CEO committee welcomed members and opened the meeting at 9.40am.

2. RECORD OF ATTENDANCE AND APOLOGIES

2.1 Attendance

Mr Raymond Griffiths, CEO Shire of Kellerberrin (Chair)

Ms Lisa Clack, CEO Shire of Merredin

Mr Darren Mollenoyux, CEO Shire of Bruce Rock

Mr Bill Price, CEO Shire of Westonia

Ms Joanne Soderlund, CEO Shire of Tammin

Ms Rebekah Burges, Executive Officer WEROC Inc.

2.2 Apologies

Mr Nic Warren, CEO Shire of Yilgarn (provided comment via email)

2.3 Guests

Mr Julian Goldacre, Environmental Health Officer, Shire of Bruce Rock

Mr Daniel Hay-Hendry, Manager Projects & Assets, Shire of Merredin

Mr Fabian Houbrechts, Manager of Works & Services, Shire of Tammin

3. DECLARATIONS OF INTEREST

Nil

4. MINUTES OF MEETINGS

Attachment 1. WEROC Inc. CEO Committee Meeting Minutes 20042022

The Minutes of the previous WEROC Inc. CEO Committee Meeting held via videoconference on Wednesday 20 April 2022, were presented at the WEROC Inc. Board Meeting held on 2 May 2022 and confirmed as a true and correct record.

RESOLUTION:

Moved: Mr. Darren Mollenoyux

Seconded: Ms. Joanne Soderlund

That the Minutes of the WEROC Inc. Committee Meeting held on Wednesday 20 April 2022 be confirmed as a true and correct record.

CARRIED

4.1 Business Arising

Actions Arising from the WEROC Inc. CEO Committee Meeting held on 20 April 2022.

Agenda Item	Action(s)	Status
5.1 WHS Advisory Service	WEROC Inc. to write to Mr. Chris Gilmour, Regional Risk Coordinator, LGIS, and request that he clarify the scope of services he can offer and the additional activities that fall outside of his role that are required to achieve compliance with WHS legislation.	Completed
5.2 WEROC Inc. Tourism Projects	The Shire of Merredin will investigate an expanded service offering for the Central Wheatbelt Visitors Centre and present a proposal, inclusive of financial implications, to the WEROC Inc. Board.	In progress

5. PRESENTATIONS

5.1 Mr. Daniel Hay-Hendry, Manager Projects & Assets, Shire of Merredin

Mr. Daniel Hay-Hendry attended the WA Waste & Recycle Conference in September 2022 and as a lead in to the discussion on the WEROC Strategic Waste Management Plan, will provide an update on relevant developments in waste for Local Government.

Comments from the meeting:

Mr. Hay-Hendry provided the following summary of key messages and opportunities for WEROC:

- Regional WA has 25% of the State's population and produce 25% of the waste. Because of this, there is going to be a greater push for regional areas to meet the targets of the WA Waste Avoidance and Resource Recovery Strategy 2030. There is an opportunity for WEROC to lobby State and Federal government for increased funding to enable regional areas to better meet the targets of the waste strategy.
- A key consideration for WEROC Local Governments in the longer-term will be changes to the waste levy. The levy currently only applies to the metropolitan region, but consideration is being given to expanding the geographical area of the levy, to apply it to waste generated in locations outside Perth. In the near term this would likely only include larger regional centres (e.g., Busselton, Geraldton, etc.).
- Resource sharing and collaboration will be very important in how we manage waste into the future. There is an opportunity for WEROC Shires to:
 - a. Work together to develop best practice for the operation of our landfill sites; and
 - b. Use the collective bargaining power of the group to achieve a better rate from the contractors Shires use and improve current practices by setting clear and consistent KPI's.
- The Roads to Reuse (RtR) Local Government Incentives Program provides a payment of \$5 for each tonne of RtR product used by a local government which is sourced from an accredited RtR supplier. A local government must provide evidence of RtR material being purchased from an accredited supplier and used in a local government project. There is an opportunity for WEROC Shires to work with an accredited contractor to recycle construction and demolition waste.
- Implementation of food organics and garden organics (FOGO) systems are a priority in the WA Waste Strategy but are beyond the reach of regional Local Governments at this time. There may be an opportunity for WEROC Shires to push for an incentive to develop regional infrastructure to enable the use of FOGO derived waste.

6. MATTERS FOR CONSIDERATION

6.1 WEROC Inc. Strategic Waste Management

Author:	Rebekah Burges, Executive Officer
Disclosure of Interest:	No interest to disclose
Date:	30 September 2022
Attachments:	<i>Attachment 2. WEROC Strategic Waste Management Plan (Final)</i> <i>Attachment 3. WEROC Landfill Consolidation Report (Final)</i> <i>Attachment 4. Regional Waste Coordinator</i>
Financial Implications:	Unknown
Voting Requirement:	Simple Majority

Background:

At the WEROC Inc. Board Meeting held on 5 September 2022, the final draft of the WEROC Strategic Waste Management Plan (SWMP) was presented for discussion. Mr. Giles Perryman, Director ASK Waste Management joined the meeting via videoconference to discuss two particular recommendations:

- 1) Introduction of consistent waste data collection; and
- 2) Investigating the feasibility of a regional waste team and regional waste coordinator

Mr. Perryman emphasised the importance of waste data collection and recommended that this should be a high priority for WEROC Shires. Mr. Perryman also strongly recommended that the Shire's consider co-funding a regional waste coordinator and suggested that once the position is established it could then be made a requirement of the incumbent to pursue grant funding to support the role going forward.

The Board resolved that the matter be referred to the WEROC Inc. CEO Committee for further discussion.

Executive Officer Comment:

As one of the priority recommendations, the Executive Officer requested from ASK Waste Management, a case study of a regional waste management coordinator. Mr. Sam Green, Senior Consultant with ASK Waste Management, previously occupied such a position with the South West Regional Group of Councils and has provided an overview of his role, the key achievements during his two-year term and lessons learnt (refer to Attachment 4).

In addition to the information supplied by Mr. Green, the Executive Officer has researched some other examples of groupings of councils that have adopted a regional approach to waste management:

- 1) *Western Sydney Regional Organisation of Councils (WSROC)*: WSROC employ a regional waste coordinator who works with the ten member councils on research, policy development and resource sharing activities. The coordinator is also responsible for the coordination, administration and project management of regional waste projects arising from the regional waste avoidance and resource recovery strategy and the identification of grant opportunities.
- 2) *Far North Queensland Regional Organisation of Councils (FNQROC)*: FNQROC formed a Regional Waste Management Group to coordinate waste management and resource recovery solutions. The objectives of the group include maintaining existing and further developing joint procurement and resource sharing, providing a forum for sharing new technology/techniques and, facilitating inter-government relations with State and Federal agencies responsible for waste. Representatives from relevant agencies regularly attend the quarterly meetings.

- 3) *Canberra Region Joint Organisation (CRJO)*: CRJO consists of eight member councils across south-east NSW and the ACT government. CRJO employ a regional waste and resource recovery coordinator who is responsible for sourcing funding, planning, and implementing regional waste projects.

Recommendation:

That the CEO Committee discuss and agree on next steps for implementation

Comments from the meeting:

- Mr. Nic Warren provided the following comments via email prior to the meeting:
 - The Shire of Yilgarn agrees with the recommendations of the Landfill Consolidation Report regarding option 2 - Two regional landfills (Merredin and Southern Cross) and transfer stations
 - Happy to consider transfer stations but Yilgarn would also consider complete closure of the rural sites. This would require some additional services to be implemented which would need to be looked at – possibly a job for a Waste Coordinator
 - Would consider a waste coordinator responsible for actioning recommendations, a sound investment and required given the amount of work in the recommendations. Understand that some Shire's would obtain greater benefit than others, so cost allocations may need to be looked at. A fixed term (2 years) full time employee would be required. As such a paid employee rather than a contractor would likely be more beneficial.
- Ms. Lisa Clack indicated that before the Shire of Merredin could commit to a regional waste coordinator, the scope of the regional waste coordinator role and funding model for the position, would need to be made very clear.
- Mr. Darren Mollenoyux suggested that improving waste data collection will be essential if WEROC move toward regional landfills, and better data collection will not be possible without a waste coordinator because all Shires are short staffed. The Shire of Bruce Rock therefore support the concept of a regional waste coordinator.
- Mr. Raymond Griffiths emphasized that the regional waste coordinator would not make decisions about what Local Governments do with their individual landfill sites. Rather they would focus on implementing regional waste solutions, improved waste data collection and securing grant funding for future projects.

RESOLUTION:

Moved: Mr. Darren Mollenoyux

Seconded: Mr. Bill Price

That WEROC Inc. progress in engaging a regional waste coordinator to implement the recommendations of the Strategic Waste Management Report and to facilitate improved waste data collection, subject to a position description and funding model being approved by the WEROC Inc. Board.

CARRIED

6.2 Wheatbelt Business Network Procurement Proposal

Author: Rebekah Burges, Executive Officer

Disclosure of Interest: Nil

Date: 30 September 2022

Attachments: Nil

Financial Implications: Unknown

Voting Requirement: Simple Majority

Background:

At the WEROC Inc. Board Meeting held on 5 September 2022, Mr. Rik Soderlund, CEO of the Wheatbelt Business Network presented a proposal for the creation of a WEROC preferred supplier panel. Mr. Soderlund advised that WEROC would be able to determine the parameters for the preferred supplier panel and WBN will assist in discussions around thresholds and key industries to be included.

Members determined that further discussion was warranted and resolved to refer the matter to the WEROC Inc. CEO Committee for further consideration.

Executive Officer Comment:

As a reminder of the requirements to establish a panel of pre-qualified suppliers, the Local Government (Functions and General) Regulations 1996 states that:

- 1) A written policy must be adopted before establishing a preferred supplier panel. The policy should outline how the Local Government will:
 - a) Procure goods or services including any process for obtaining quotations.
 - b) Ensure that each pre-qualified supplier on the panel will be invited to quote for the goods and services that they will be expected to supply
 - c) Ensure clear, consistent and regular communication between the Local Government and suppliers
 - d) Detail any factors that will be taken into account when distributing work among suppliers
 - e) Record and retain written information in respect of quotations received and purchases made from suppliers
- 2) If a preferred supplier panel is to be established, it is a requirement that public notice of the invitation to apply be given. Before the public notice is issued, the criteria for deciding which applications will be accepted, must be established, and documented.
- 3) The process to accept or reject an application must follow a similar process to a tender evaluation and all applicants must be notified of the outcome.
- 4) A contract entered into with a preferred supplier who is part of the preferred supplier panel must not be for a term exceeding 12 months.

Recommendation:

That the matter be discussed, and consideration given to how the preferred supplier panel, if established, is to be administered.

Comments from the meeting:

- Mr. Nic Warren advised via email prior to the meeting that the Shire of Yilgarn would consider utilisation of the WBN Procurement proposal but questioned if WALGA had provided comment on the proposal.
- Ms. Joanne Soderlund advised that the Shire of Tammin is looking at setting up some panels and are supportive of a regional approach. Ms. Soderlund also advised that based on a brief discussion with Mr. James McGovern, WALGA's Manager Governance and Procurement, it is understood that establishing a regional preferred supplier panel could be achieved by developing a single policy that is adopted individually by each Local Government.
- Mr. Raymond Griffiths noted that the idea has merit but was concerned that we could go to a lot of effort and then find that local trades are not interested in being part of a panel. Mr. Griffiths suggested that before proceeding any further each Shire should canvas local businesses to gauge their interest in a regional preferred supplier panel.
- It was requested that the Executive Officer prepare a brief on what a preferred supplier panel is and what is being proposed in terms of establishing a regional panel, to be sent out by each Council to their local trades.

RESOLUTION:

Moved: Ms. Lisa Clack

Seconded: Ms. Joanne Soderlund

That WEROC Councils engage with local trades to gauge interest in being part of a regional preferred supplier panel before making any further determinations on this proposal.

CARRIED

6.3 Local Government Resource Sharing

Author: Rebekah Burges, Executive Officer

Disclosure of Interest: Nil

Date: 30 September 2022

Attachments: Nil

Financial Implications: Nil

Voting Requirement: Simple Majority

Background:

At the WEROC Inc. Board meeting held on 5 September 2022, Ms. Glenice Batchelor suggested that in the current environment where labour shortages are impacting on every industry, including Local Government, there is a need to better utilise the resources that exist within the Member Shires. Ms. Batchelor suggested that formalising inter-council resource sharing through an MoU might be worthwhile investigating.

Executive Officer Comment:

Local Government Professionals Australia in a 2021-22 pre-budget submission to then Treasurer, the Hon Josh Frydenberg MP, recommended that Government fund a pilot Local Government Skills Sharing Program:

The collective experience of COVID-19 has disrupted local government administration but also illustrated how agile the local government workforce can be in meeting the needs of Australian communities. Collaboration in training opportunities and the sharing of skilled workers between organisations through the proposed Local Government Skill Share program would directly benefit local governments in managing this change as skill requirements continue to change. Such a program could enable local governments to collaborate to manage their workforces at a regional level, would help them meet their current and future skills needs, provide opportunities to increase individuals' breadth of work experiences, and provide surge capacity and the development of a greater bank of regional talent. The program could also directly address current and projected skills shortages. Such shortages exist particularly in the professional areas of engineering, planning, and environmental health. The program would specifically address known challenges within the sector including skills portability, the ageing workforce, regional collaboration for training, and increased uptake in Australian Government funded programs.

An online search shows no evidence of this program having been implemented. Given the alignment of this concept with the suggestion made by Ms. Batchelor, it may be worthwhile the Executive Officer contacting LG Professionals to gain further information and suggest WEROC as a potential pilot region.

Recommendation:

That the matter be considered, and any further action discussed.

Comments from the meeting:

- Members did not feel that there was a need for a formal structure or agreement (i.e., an MoU) but agreed that there is an opportunity for inter-council skills development between WEROC Shires. This could involve coordinating training within the WEROC area and using experienced staff from one Shire to teach/mentor staff in other Shires.

RESOLUTION:

Moved: Mr. Darren Mollenoyux

Seconded: Ms. Joanne Soderlund

That WEROC Councils will investigate opportunities for inter-council training and development for critical roles.

CARRIED

6.4 Wheatbelt Medical Student Immersion Program 2023

Author: Rebekah Burges, Executive Officer

Disclosure of Interest: No interest to disclose

Date: 30 September 2022

Attachments: Nil

Financial Implications: Nil

Voting Requirement: Simple Majority

Background:

On Thursday 29 September 2022, the Executive officer received an email from Rural Health West with a request that WEROC Inc. consider supporting the University of Notre Dame's 2023 Wheatbelt medical student immersion program.

It is proposed that for the 2023 program, Notre Dame students will visit WEROC Shires and Narrogin from Tuesday 14 to Friday 17 March. The program will revert to the previous format of students staying with local families for a period of three nights.

Rural Health West and the University of Notre Dame are requesting confirmation that WEROC Shires are once again happy to provide in-kind support including:

- Complimentary use of a daily meeting venue for the group
- Complimentary use of a function venue for the community thank you dinner
- Local transport
- Assistance in recruiting host families
- Assistance in developing activities for the students during their visit.

Recommendation:

That WEROC Member Councils provide in-kind support to the proposed Wheatbelt Medical Student Immersion Program for 2023.

RESOLUTION:

Moved: Mr. Bill Price

Seconded: Ms. Lisa Clack

That WEROC Member Councils provide in-kind support to the proposed Wheatbelt Medical Student Immersion Program for 2023.

CARRIED

6.5 Wheatbelt Workforce & Housing Discussion Paper

Author: Rebekah Burges, Executive Officer

Disclosure of Interest: No interest to disclose

Date: 30 September 2022

Attachments: Attachment 5. Wheatbelt Workforce and Housing Discussion Paper

Financial Implications: Nil

Voting Requirement: Simple Majority

Background:

At the WEROC Inc. Board Meeting held on 5 September 2022, the Executive Officer advised that after considerable research and discussion, the working group looking to establish a Designated Area Migration Agreement (DAMA) for the Wheatbelt, had determined that pursuing a DAMA was not plausible at this time and rather the focus for the group should now be on addressing the barriers to workforce participation, attraction, and retention. The Board endorsed the recommendation to not proceed with a DAMA.

Executive Officer Comment:

The WEROC Executive Officer in conjunction with the NEWROC Executive Officer, RDA Wheatbelt and the Wheatbelt Business Network have prepared a draft workforce and housing discussion paper. The draft paper is presented for discussion.

Recommendation:

That the recommendations of the draft discussion paper be considered.

Comments from the meeting:

- Members felt that WEROC should continue to support and advocate for a worker housing solution but because the Central East Aged Care Alliance (CEACA) already operates in this space it is best positioned to lead the process.

RESOLUTION:

Moved: Mr. Bill Price

Seconded: Ms. Joanne Soderlund

That WEROC provide support to CEACA in progressing with a worker housing solution for the Eastern Wheatbelt.

CARRIED

7. OTHER MATTERS FOR NOTING

7.1 Delivering WA's Local Climate Opportunities

The Cities Power Partnership are delivering two free climate-focussed events - *Delivering WA's local climate opportunities* - for WA Local Governments on the 3rd and 4th of November, in Busselton and Perth respectively.

The free full-day events are open to Local Government officers, elected members and executive staff from across WA. More information and registration details can be found at the links below:

- [Busselton event](#): Thursday, 3 November – Hosted by the City of Busselton
- [Perth event](#): Friday, 4 November – Hosted by the Town of Victoria Park

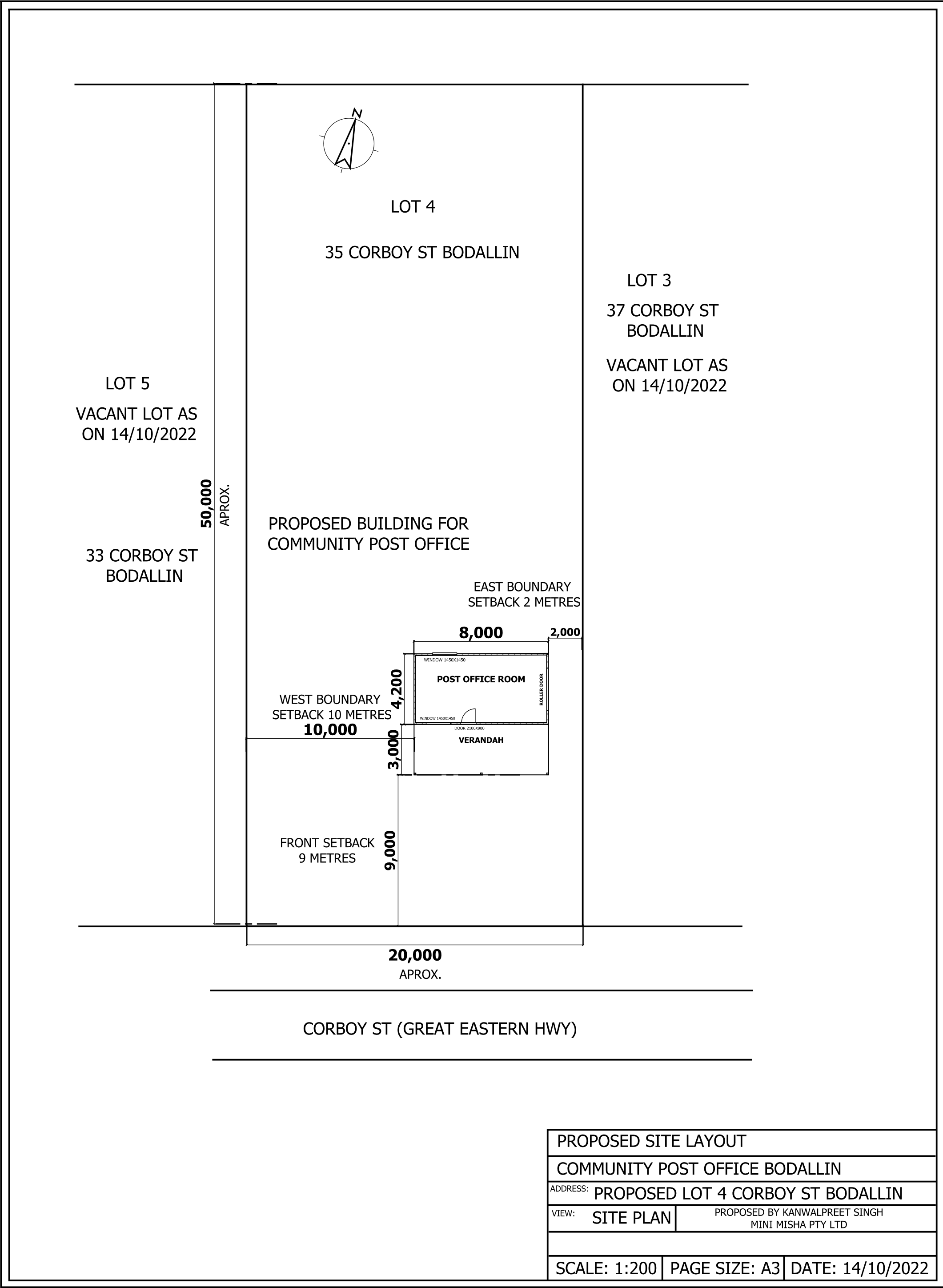
The events will assist WA Councils in fast-tracking their climate change mitigation efforts and aligning their local climate plans with the latest science. The events will focus on opportunities for Local Governments to act on climate change and capitalise on the benefits of the emerging clean economy. The program will feature the latest expertise regarding climate solutions and communications, including presentations on best-practice case studies. It will also provide an important opportunity to network, identify collaboration opportunities, and engage with the State Government on climate issues.

8. FUTURE MEETINGS

The next meeting of the WEROC Inc. Board will take place in Bruce Rock on Monday 21 November 2022. There are no further scheduled meetings of the WEROC Inc. CEO Committee at this time.

9. CLOSURE

There being no further business the Chair closed the meeting at 11.06am.



SUMMARY OF THE SCHEME AMENDMENT PROCESS

Initiation of Scheme amendment / re-zoning by Council

The local government may formally initiate an amendment to its local town planning scheme. A formal Scheme Amendment request and amendment documents (prepared by a planning consultant) must be submitted to the Council in writing.

The Council will consider the proposed amendment and can resolve:

- (a) Not to pursue a formal amendment to the Town Planning Scheme; or
- (b) To amend the Town Planning Scheme.

Council also has to determine if the amendment is simple, standard or complex.

Note: If a scheme amendment is not initiated by Council, the applicant can refer the amendment to the Minister for Planning. The Minister has powers to require the Council to proceed with an amendment.



Referral of Amendment to EPA (compulsory)

If Council resolves to amend the Town Planning Scheme, the amendment must be referred to the Environmental Protection Authority (EPA) for consideration. The local government cannot further progress the amendment until it has received written advice from the EPA that no formal environmental assessment is required.



Advertising of the Amendment

Standard Amendment - Once advice from the EPA is received, the local government will advertise a standard amendment for 42 days.

Complex Amendment –the local government must refer any complex amendment to the WAPC prior to advertising the amendment. Advertising is for 60 days.

Advertising of an amendment may include:

- (a) a notice being placed in an official local newspaper circulating in the district;
- (b) signs being placed on the subject land (optional);
- (c) nearby and affected landowners being notified in writing of the proposal and invited to lodge written submissions;
- (d) Letters to authorities such as Western Power, Water Corporation, Telstra, or any relevant authority.
- (e) Any other requirement it sees fit.

The local government may require the applicant to pay for any advertising costs.

Referral of Amendment to Council following advertising, to consider adopting the amendment for final approval (and all submissions lodged during advertising).

At the conclusion of the advertising period, a summary of all the submissions lodged in respect of the amendment proposal are referred to the Council for its consideration.

A Schedule of Submissions (a summary of submissions) is included as part of a report for the Council that includes an analysis of the various arguments made for and against the proposed amendment.

The Council may resolve to:

- (a) not support the amendment any further because of the strength and the validity of the submissions lodged against the proposal and seek the consent of the Minister of Planning to refuse the amendment; or
- (b) Note the submissions however adopt the amendment for final approval; or
- (c) Adopt the amendment in a modified form.



**Lodgement of the Amendment with the Western Australian Planning Commission
- Seeking final approval from the Minister for Planning**

The amendment has to be lodged by the local government with the Western Australian Planning Commission, with a formal request that the Minister for Planning grant final approval to the amendment.

The local government lodges a copy of all the original submissions; the Schedule of Submissions; and Council's decision on each submission, and the Council's final decision with the WAPC. The WAPC has an amendment checklist to be completed by the local government and lodged with requests seeking final approval. The WAPC prepares a report and recommendation for the Minister of Planning to consider.



Final Approval of the Minister of Planning

The Minister may approve the amendment outright, may refuse to approve the amendment until modifications are undertaken or refuse the amendment outright. The WAPC will advise the local government of the Ministers decision, and of any modifications required to the amendment documents.

If modifications are required, then the WAPC will check all modifications made to the amendment document, before the amendment is re-presented to the Minister for final approval.

If the Hon. Minister grants final approval to the amendment, it takes effect from the date of publication of the final approval notice in the Government Gazette. The Gazettal of the Amendment is organised through State Law Publisher by the local government. The local government is responsible for publishing notification of the Ministers decision in an official newspaper.

Length of time for Amendment Process

The length of time varies due to range of factors such as timing of Council meetings, WAPC workloads and staff availability, timing for presentation of the amendment to the Minister, and the complexity of the amendment. The timing for scheme amendments is difficult to predict but generally can range from 8 to 14 months.

It should be noted that support for a scheme amendment by the local government does not necessarily mean that the amendment will be supported by the WAPC or Minister for Planning.

Additional information on the Scheme Amendment process can be obtained from the Western Australian Planning Commission web page www.planning.wa.gov.au.

DESCR	Proposed Transportable Residence
STAGE	DA-0 Development Approval
CLIENT	TAQWA
ADDRESS	27 Polaris St Southern Cross
JOB No	4490
DRAWN	CC

CONTENTS

1a	Site Plan & Floor Plan	1:200
2a	Floor Plans	1:100
3a	Elevations	1:100



Site Plan

Scale 1:200



DOMESTIC
DRAFTING
SERVICE

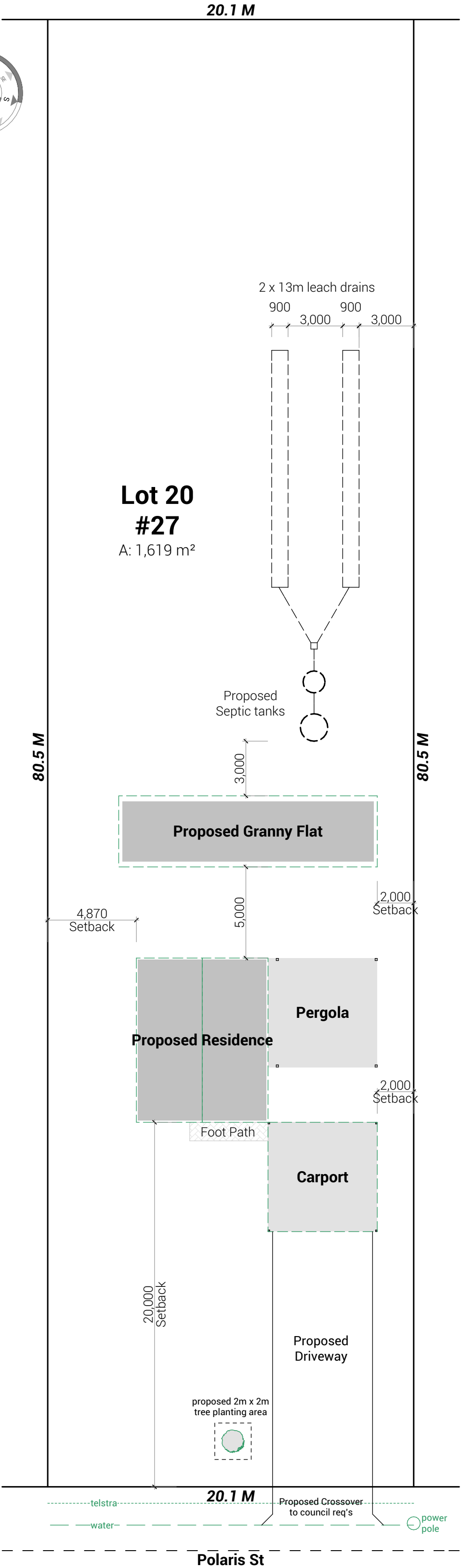
25a Dorothy Street, Gosnells, WA 6110
TEL 08 9398 2139 | ABN 330 8577 3190

DRAWN	DATE	CHECK	DESCR
CC	31.08.22	FL	SP1
CC	06.09.22	FL	SP2
CC	21.09.22	FL	DA-0

© 2022 Copyright
This Plan remains the sole property of Domestic Drafting Service
and must not be given, lent, sold, copied or otherwise distributed
without written permission of Domestic Drafting Service

CLIENT
TAQWA
PROJECT
Transportable Residence
ADDRESS
27 Polaris St Southern
Cross

PAGE 1a
REV DA-0
SCALE 1:200
DWG 4490



Site Plan

Scale 1:200



DOMESTIC
DRAFTING
SERVICE

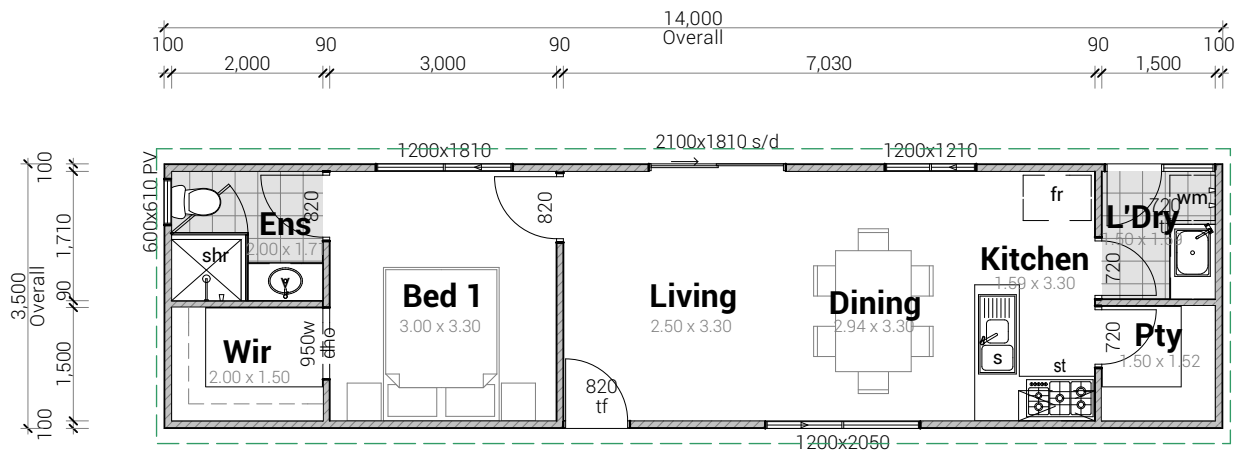
25a Dorothy Street, Gosnells, WA 6110
TEL 08 9398 2139 | ABN 330 8577 3190

DRAWN	DATE	CHECK	DESCR
CC	31.08.22	FL	SP1
CC	06.09.22	FL	SP2
CC	21.09.22	FL	DA-0

© 2022 Copyright
This Plan remains the sole property of Domestic Drafting Service
and must not be given, lent, sold, copied or otherwise distributed
without written permission of Domestic Drafting Service

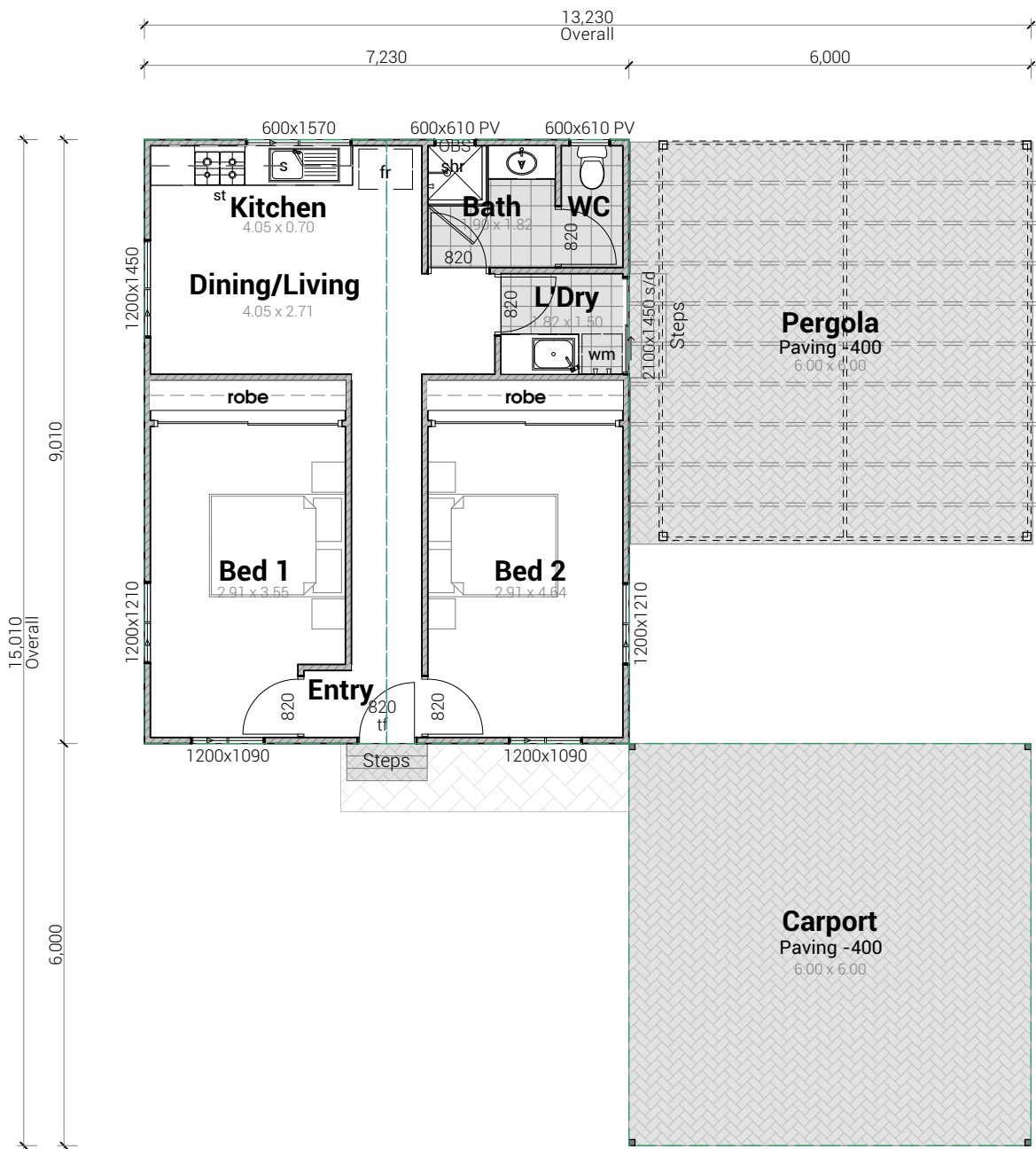
CLIENT
TAQWA
PROJECT
Transportable Residence
ADDRESS
27 Polaris St Southern
Cross

PAGE 1a
REV DA-0
SCALE 1:200
DWG 4490



Proposed Granny Flat

Scale 1:100



AREAS

Proposed Residence	62.25
Proposed Granny Flat	45.54
Carport	36.00
Pergola	36.00
Total	179.79 m ²

Floor Plan

Scale 1:100



**DOMESTIC
DRAFTING
SERVICE**

25a Dorothy Street, Gosnells, WA 6110

TEL 08 9398 2139 | ABN 330 8577 3190

DRAWN	DATE	CHECK	DESCR
CC	31.08.22	FL	SP1
CC	06.09.22	FL	SP2
CC	21.09.22	FL	DA-0

© 2022 Copyright

This Plan remains the sole property of Domestic Drafting Service and must not be given, lent, sold, copied or otherwise distributed without written permission of Domestic Drafting Service

CLIENT
TAQWA

PROJECT
Transportable Residence

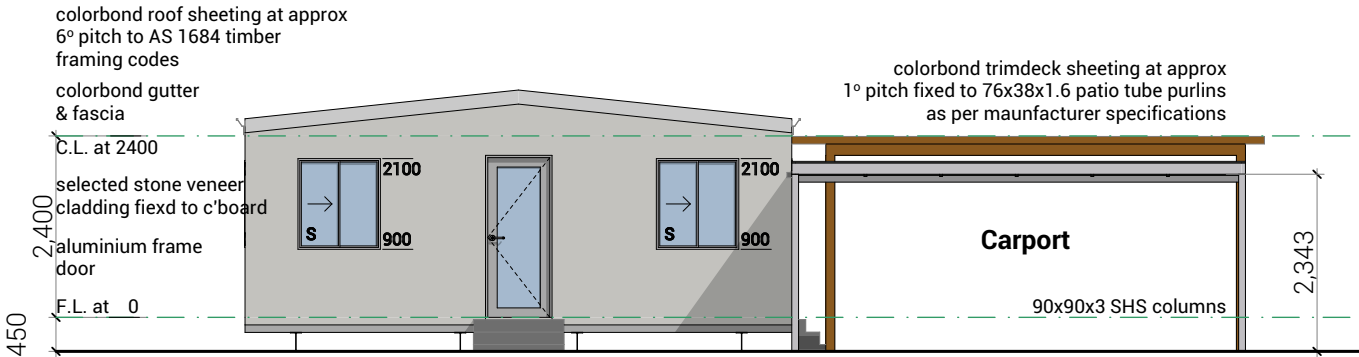
ADDRESS
27 Polaris St Southern Cross

NOTE

- 28c Ceilings throughout unless otherwise noted
- 2c Facebrick throughout unless otherwise noted
- Windows subject to change to comply with N.C.C. light & ventilation requirements

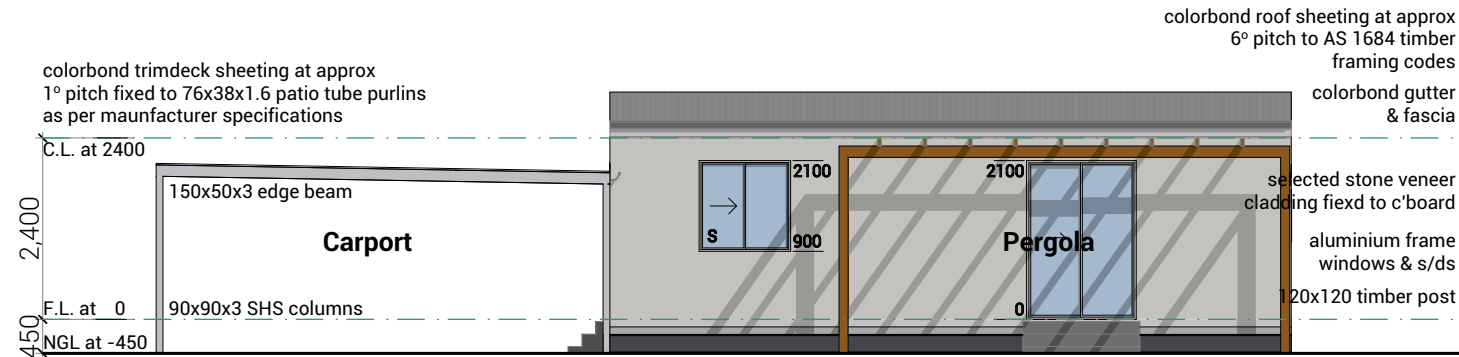
PAGE
REV
SCALE
DWG

2a
DA-0
1:100
4490



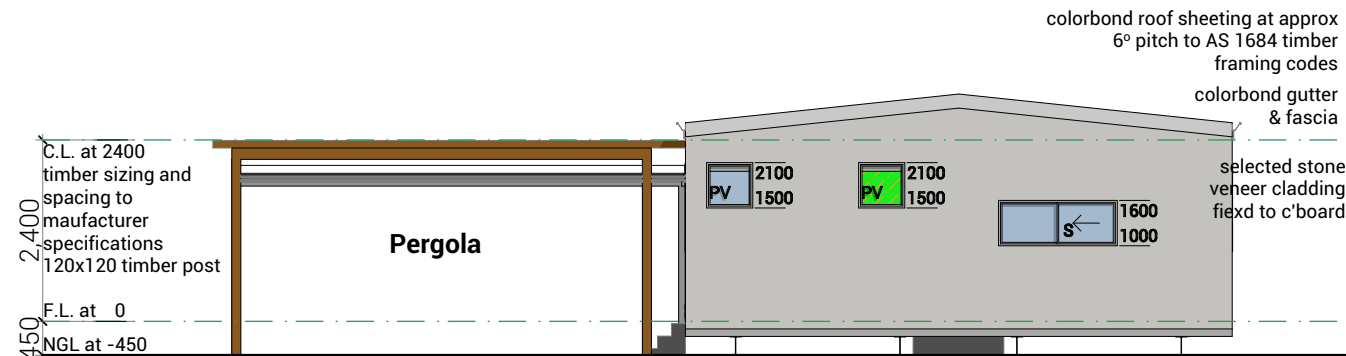
Front Elevation (1)

Scale 1:100



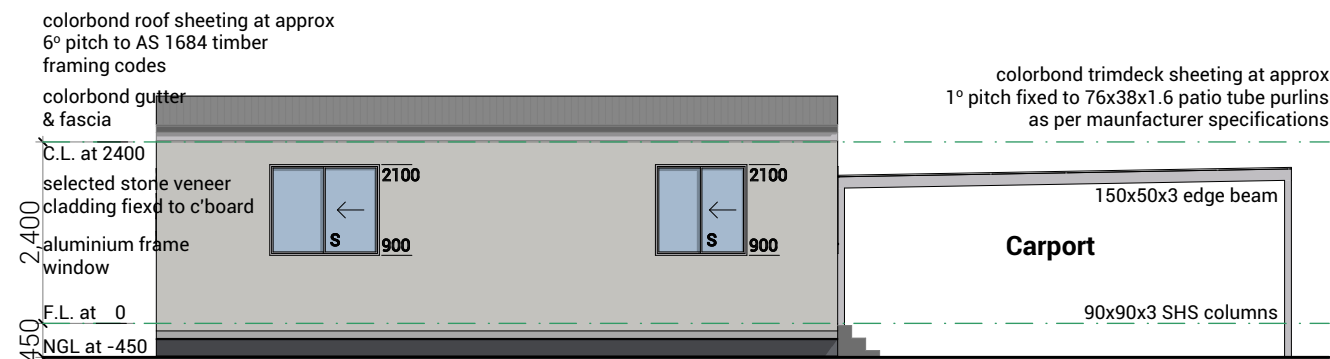
Side Elevation (2)

Scale 1:100



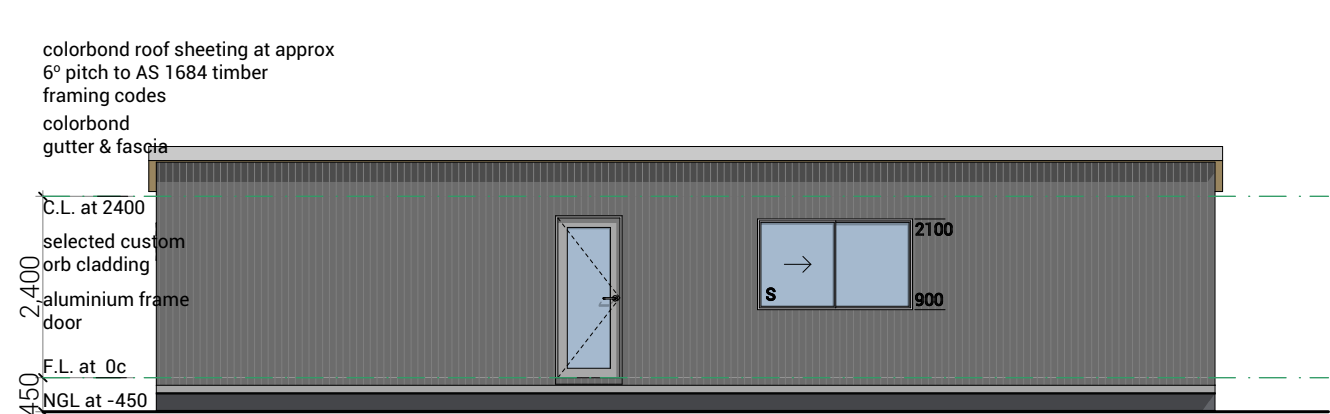
Rear Elevation (3)

Scale 1:100



Side Elevation (4)

Scale 1:100



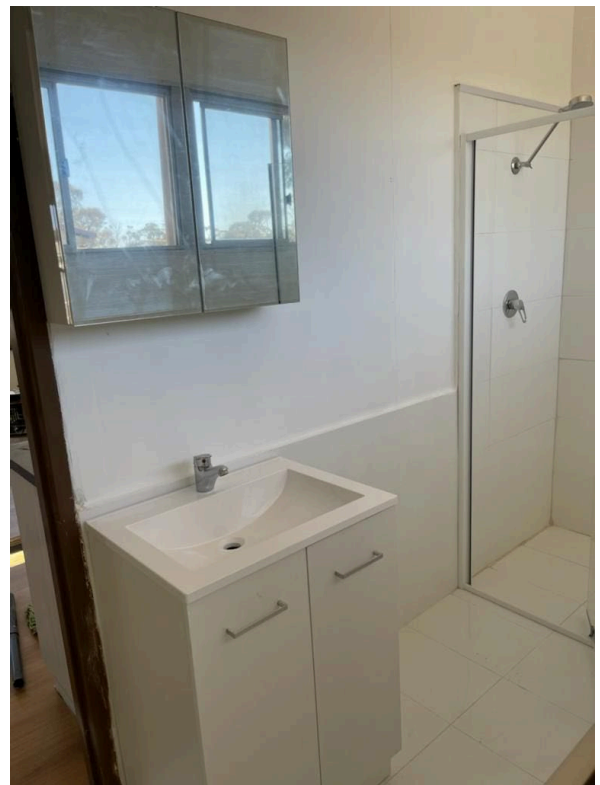
Granny Flat Front

Scale 1:100











SHIRE OF YILGARN

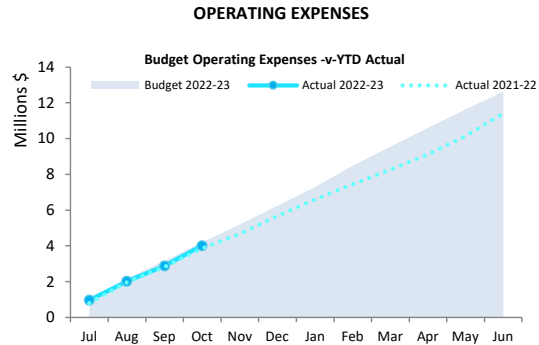
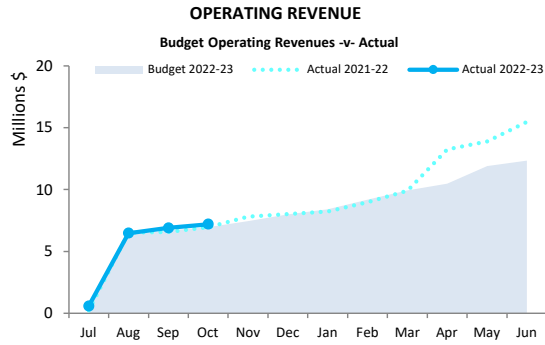
**MONTHLY FINANCIAL STATEMENTS FOR
THE MONTH ENDED 31 OCTOBER 2022**



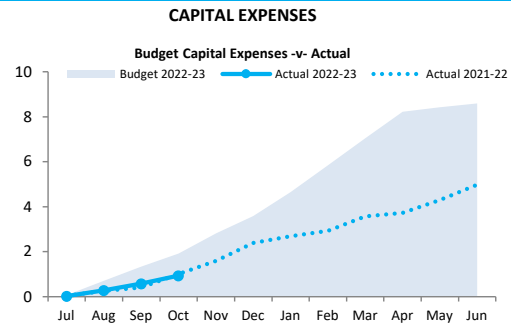
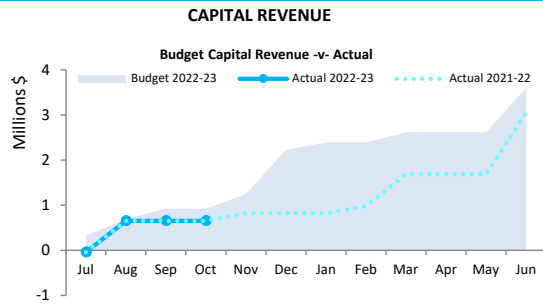
TABLE OF CONTENTS

Statement of Financial Activity by Nature or Type	5
Basis of Preparation	6
Note 1 Statement of Financial Activity Information	7
Note 2 Cash and Financial Assets	8
Note 3 Receivables	9
Note 4 Other Current Assets	10
Note 5 Payables	11
Note 6 Disposal of Assets	12
Note 7 Capital Acquisitions	13
Note 8 Borrowings	15
Note 9 Lease Liabilities	16
Note 10 Reserve Accounts	17
Note 11 Other Current Liabilities	18
Note 12 Operating grants and contributions	19
Note 13 Non operating grants and contributions	20
Note 14 Trust Fund	21
Note 16 Explanation of Material Variances	23

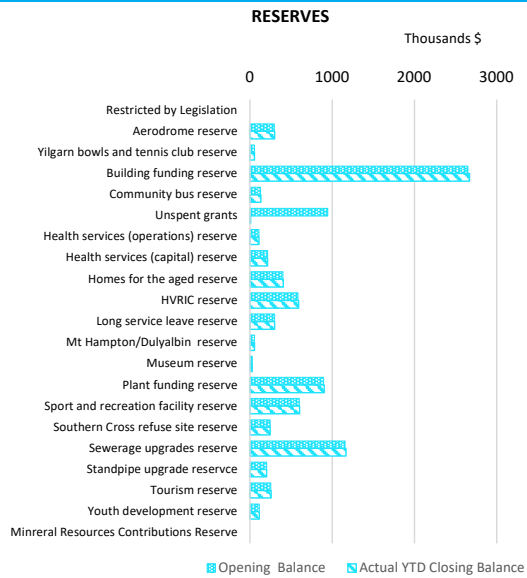
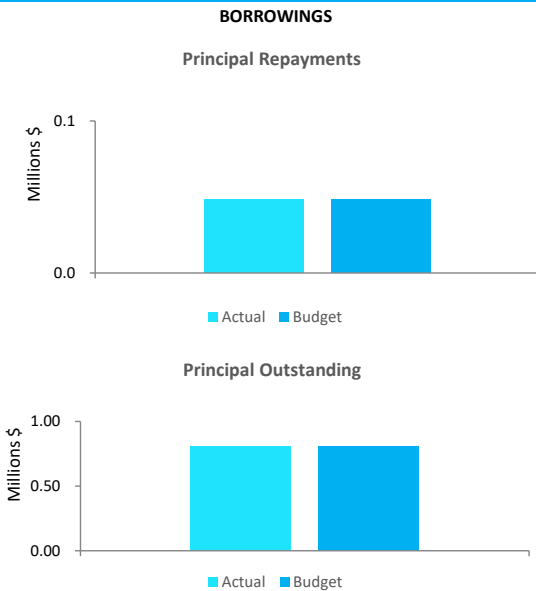
OPERATING ACTIVITIES



INVESTING ACTIVITIES



FINANCING ACTIVITIES



This information is to be read in conjunction with the accompanying Financial Statements and Notes.

Funding surplus / (deficit) Components

Funding surplus / (deficit)				
	Adopted Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)
Opening	\$4.21 M	\$4.21 M	\$3.69 M	(\$0.52 M)
Closing	\$0.13 M	\$6.32 M	\$8.22 M	\$1.90 M

Refer to Statement of Financial Activity

Cash and cash equivalents			Total payables			Receivables		
	\$17.25 M	% of total		\$0.31 M	% Outstanding		\$1.09 M	% Collected
Unrestricted Cash	\$8.89 M	51.5%	Trade Payables	\$0.10 M		Rates Receivable	\$0.91 M	80.8%
Restricted Cash	\$8.36 M	48.5%	0 to 30 Days	\$0.10 M	100%	Trade Receivable	\$0.19 M	% Outstanding
			30 to 60 Days	\$0.00 M	0%	0 to 30 Days	\$0.17 M	93.1%
			Over 60 Days	\$0.00 M	0.0%	Over 30 Days	\$0.01 M	6.9%

Refer to Note 2 - Cash and Financial Assets

Refer to Note 5 - Payables

Refer to Note 3 - Receivables

Key Operating Activities

Amount attributable to operating activities				Rates Revenue			Operating Grants and Contributions			Fees and Charges		
Adopted Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	YTD Actual	% Variance		YTD Actual	% Variance		YTD Actual	% Variance	
\$0.62 M	\$3.38 M	\$3.93 M	\$0.55 M	\$4.19 M	(0.1%)		\$0.33 M	(35.3%)		\$1.07 M	7.5%	
				YTD Budget			YTD Budget			YTD Budget		
				\$4.20 M			\$0.51 M			\$1.00 M		

Refer to Statement of Financial Activity

Refer to Note 12 - Operating Grants and Contributions

Refer to Statement of Financial Activity

Key Investing Activities

Amount attributable to investing activities				Proceeds on sale			Asset Acquisition			Capital Grants		
Adopted Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	YTD Actual	%		YTD Actual	% Spent		YTD Actual	% Received	
(\$4.74 M)	(\$1.22 M)	(\$0.20 M)	\$1.01 M	\$0.02 M	3.8%		\$0.93 M	10.8%		\$0.68 M	20.2%	
				Adopted Budget			Adopted Budget			Adopted Budget		
				\$0.50 M			\$8.59 M			\$3.35 M		

Refer to Statement of Financial Activity

Refer to Note 6 - Disposal of Assets

Refer to Note 7 - Capital Acquisitions

Refer to Note 7 - Capital Acquisitions

Key Financing Activities

Amount attributable to financing activities				Borrowings			Reserves			Lease Liability		
Adopted Budget	YTD Budget (a)	YTD Actual (b)	Var. \$ (b)-(a)	Principal repayments			Reserves balance			Principal repayments		
\$0.05 M	(\$0.05 M)	\$0.82 M	\$0.86 M	(\$0.05 M)			\$8.35 M			\$0.00 M		
				Interest expense			Interest earned			Interest expense		
				\$0.00 M			\$0.07 M			(\$0.00 M)		
				Principal due						Principal due		
				\$0.81 M						\$0.01 M		

Refer to Statement of Financial Activity

Refer to Note 8 - Borrowings

Refer to Note 10 - Cash Reserves

Refer to Note 9 - Lease Liabilities

This information is to be read in conjunction with the accompanying Financial Statements and notes.

KEY TERMS AND DESCRIPTIONS

FOR THE PERIOD ENDED 31 OCTOBER 2022

REVENUE

RATES

All rates levied under the *Local Government Act 1995*. Includes general, differential, specified area rates, minimum rates, interim rates, back rates, ex-gratia rates, less discounts and concessions offered. Excludes administration fees, interest on instalments, interest on arrears, service charges and sewerage rates.

OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS

Refers to all amounts received as grants, subsidies and contributions that are not non-operating grants.

NON-OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS

Amounts received specifically for the acquisition, construction of new or the upgrading of identifiable non financial assets paid to a local government, irrespective of whether these amounts are received as capital grants, subsidies, contributions or donations.

REVENUE FROM CONTRACTS WITH CUSTOMERS

Revenue from contracts with customers is recognised when the local government satisfies its performance obligations under the contract.

FEES AND CHARGES

Revenues (other than service charges) from the use of facilities and charges made for local government services, sewerage rates, rentals, hire charges, fee for service, photocopying charges, licences, sale of goods or information, fines, penalties and administration fees. Local governments may wish to disclose more detail such as rubbish collection fees, rental of property, fines and penalties, and other fees and charges.

SERVICE CHARGES

Service charges imposed under *Division 6 of Part 6 of the Local Government Act 1995*. *Regulation 54 of the Local Government (Financial Management) Regulations 1996* identifies these as television and radio broadcasting, underground electricity and neighbourhood surveillance services. Exclude rubbish removal charges.

INTEREST EARNINGS

Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

OTHER REVENUE / INCOME

Other revenue, which can not be classified under the above headings, includes dividends, discounts, rebates, reimbursements etc.

NATURE OR TYPE DESCRIPTIONS

EXPENSES

PROFIT ON ASSET DISPOSAL

Excess of assets received over the net book value for assets on their disposal.

EMPLOYEE COSTS

All costs associated with the employment of person such as salaries, wages, allowances, benefits such as vehicle and housing, superannuation, employment expenses, removal expenses, relocation expenses, worker's compensation insurance, training costs, conferences, safety expenses, medical examinations, fringe benefit tax, etc.

MATERIALS AND CONTRACTS

All expenditures on materials, supplies and contracts not classified under other headings. These include supply of goods and materials, legal expenses, maintenance agreements, communication expenses, advertising expenses, membership, periodicals, publications, hire expenses, rental, postage and freight etc. Local governments may wish to disclose more detail such as contract services, consultancy, information technology, rental or lease expenditures.

UTILITIES (GAS, ELECTRICITY, WATER)

Expenditures made to the respective agencies for the provision of power, gas or water. Exclude expenditures incurred for the reinstatement of roadwork on behalf of these agencies.

INSURANCE

All insurance other than worker's compensation and health benefit insurance included as a cost of employment.

LOSS ON ASSET DISPOSAL

Shortfall between the value of assets received over the net book value for assets on their disposal.

DEPRECIATION ON NON-CURRENT ASSETS

Depreciation expense raised on all classes of assets. Excluding Land.

INTEREST EXPENSES

Interest and other costs of finance paid, including costs of finance for loan debentures, overdraft accommodation and refinancing expenses.

OTHER EXPENDITURE

Statutory fees, taxes, allowance for impairment of assets, member's fees or State taxes. Donations and subsidies made to community groups.

**STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

BY NATURE OR TYPE

	Ref	Adopted Budget	YTD Budget	YTD Actual	Variance \$	Variance %	Var.
	Note	(a)	(b)	(c)	(c) - (b)	((c) - (b))/(b)	
		\$	\$	\$	\$	%	
Opening funding surplus / (deficit)	1(d)	4,209,114	4,209,114	3,687,415	(521,699)	(12.39%)	▼
Revenue from operating activities							
Rates		4,196,740	4,196,740	4,191,398	(5,342)	(0.13%)	
Operating grants, subsidies and contributions	12	2,216,266	800,209	866,108	65,899	8.24%	
Fees and charges		1,768,706	997,768	1,072,465	74,697	7.49%	
Interest earnings		82,255	27,412	123,502	96,090	350.54%	▲
Reimbursements		83,423	34,582	20,592	(13,990)	(40.45%)	
Other revenue		636,600	204,852	253,908	49,056	23.95%	▲
Profit on disposal of assets	6	26,462	0	0	0	0.00%	
		9,010,452	6,261,563	6,527,973	266,410	4.25%	
Expenditure from operating activities							
Employee costs		(3,215,174)	(1,072,444)	(1,138,722)	(66,278)	(6.18%)	
Materials and contracts		(3,183,786)	(1,022,822)	(733,437)	289,385	28.29%	▲
Utility charges		(866,215)	(288,652)	(115,284)	173,368	60.06%	▲
Depreciation on non-current assets		(3,945,949)	(1,315,096)	(1,413,520)	(98,424)	(7.48%)	
Interest expenses		(8,967)	(4,483)	(5,330)	(847)	(18.89%)	
Insurance expenses		(333,166)	(193,168)	(328,613)	(135,445)	(70.12%)	▼
Other expenditure		(819,102)	(304,481)	(282,155)	22,326	7.33%	
Loss on disposal of assets	6	(259,490)	(4,820)	(2,740)	2,080	43.15%	
		(12,631,849)	(4,205,966)	(4,019,801)	186,165	(4.43%)	
Non-cash amounts excluded from operating activities	1(a)	4,238,578	1,319,916	1,418,182	98,266	7.44%	
Amount attributable to operating activities		617,181	3,375,513	3,926,354	550,841	16.32%	
Investing activities							
Proceeds from non-operating grants, subsidies and contributions	13	3,351,243	699,640	676,154	(23,486)	(3.36%)	
Proceeds from disposal of assets	6	500,700	0	19,091	19,091	0.00%	
Payments for property, plant and equipment and infrastructure	7	(8,593,664)	(1,916,106)	(931,721)	984,385	51.37%	▲
		(4,741,721)	(1,216,466)	(236,476)	979,990	(80.56%)	
Non-cash amounts excluded from investing activities	1(b)	0	0	31,522	31,522	0.00%	▲
Amount attributable to investing activities		(4,741,721)	(1,216,466)	(204,954)	1,011,512	(83.15%)	
Financing Activities							
Transfer from reserves	10	1,112,469	0	943,522	943,522	0.00%	▲
Payments for principal portion of lease liabilities	9	(4,772)	0	(4,772)	(4,772)	0.00%	
Repayment of debentures	8	48,156	(48,156)	(48,156)	(0)	(0.00%)	
Transfer to reserves	10	(1,110,119)	0	(74,987)	(74,987)	0.00%	▼
Amount attributable to financing activities		45,734	(48,156)	815,607	863,763	(1793.68%)	
Closing funding surplus / (deficit)	1(d)	130,308	6,320,005	8,224,422	1,904,417	(30.13%)	▲

KEY INFORMATION

▲▼ Indicates a variance between Year to Date (YTD) Budget and YTD Actual data as per the adopted materiality threshold.

Refer to Note 15 for an explanation of the reasons for the variance.

This statement is to be read in conjunction with the accompanying Financial Statements and Notes.

BASIS OF PREPARATION

The financial report has been prepared in accordance with Australian Accounting Standards (as they apply to local governments and not-for-profit entities) and interpretations of the Australian Accounting Standards Board, and the *Local Government Act 1995* and accompanying Regulations.

The *Local Government Act 1995* and accompanying Regulations take precedence over Australian Accounting Standards where they are inconsistent.

The *Local Government (Financial Management) Regulations 1996* specify that vested land is a right-of-use asset to be measured at cost, and is considered a zero cost concessionary lease. All right-of-use assets under zero cost concessionary leases are measured at zero cost rather than at fair value, except for vested improvements on concessionary land leases such as roads, buildings or other infrastructure which continue to be reported at fair value, as opposed to the vested land which is measured at zero cost. The measurement of vested improvements at fair value is a departure from AASB 16 which would have required the Shire to measure any vested improvements at zero cost.

Accounting policies which have been adopted in the preparation of this financial report have been consistently applied unless stated otherwise. Except for cash flow and rate setting information, the financial report has been prepared on the accrual basis and is based on historical costs, modified, where applicable, by the measurement at fair value of selected non-current assets, financial assets and liabilities.

THE LOCAL GOVERNMENT REPORTING ENTITY

All funds through which the Shire controls resources to carry on its functions have been included in the financial statements forming part of this financial report.

All monies held in the Trust Fund are excluded from the financial statements. A separate statement of those monies appears at Note 14 to these financial statements.

SIGNIFICANT ACCOUNTING POLICIES

CRITICAL ACCOUNTING ESTIMATES

The preparation of a financial report in conformity with Australian Accounting Standards requires management to make judgements, estimates and assumptions that effect the application of policies and reported amounts of assets and liabilities, income and expenses.

The estimates and associated assumptions are based on historical experience and various other factors believed to be reasonable under the circumstances; the results of which form the basis of making the judgements about carrying values of assets and liabilities not readily apparent from other sources. Actual results may differ from these estimates.

The balances, transactions and disclosures impacted by accounting estimates are as follows:

- estimation of fair values of certain financial assets
- estimation of fair values of fixed assets shown at fair value
- impairment of financial assets

GOODS AND SERVICES TAX

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO). Receivables and payables are stated inclusive of GST receivable or payable. The net amount of GST recoverable from, or payable to, the ATO is included with receivables or payables in the statement of financial position. Cash flows are presented on a gross basis. The GST components of cash flows arising from investing or financing activities which are recoverable from, or payable to, the ATO are presented as operating cash flows.

ROUNDING OFF FIGURES

All figures shown in this statement are rounded to the nearest dollar.

PREPARATION TIMING AND REVIEW

Date prepared: All known transactions up to 13 June 2022

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**NOTE 1
STATEMENT OF FINANCIAL ACTIVITY INFORMATION**

(a) Non-cash items excluded from operating activities

The following non-cash revenue and expenditure has been excluded from operating activities within the Statement of Financial Activity in accordance with *Financial Management Regulation 32*.

	Notes	Adopted Budget	YTD Budget (a)	YTD Actual (b)	Forecast 30 June 2023 Closing
Non-cash items excluded from operating activities		\$	\$	\$	
Adjustments to operating activities					
Less: Profit on asset disposals	6	(26,462)	0	0	(26,462)
Movement in pensioner deferred rates (non-current)				1,917	1,917
Add: Loss on asset disposals	6	259,490	4,820	2,740	257,410
Add: Depreciation on assets		4,005,550	1,315,096	1,413,520	4,103,974
Total non-cash items excluded from operating activities		4,238,578	1,319,916	1,418,182	4,336,839

(b) Non-cash items excluded from investing activities

The following non-cash revenue and expenditure has been excluded from investing activities within the Statement of Financial Activity in accordance with *Financial Management Regulation 32*.

Adjustments to investing activities

Capitalised depreciation				31,522	0
Total non-cash amounts excluded from investing activities		0	0	31,522	0

(c) Adjustments to net current assets in the Statement of Financial Activity

The following current assets and liabilities have been excluded from the net current assets used in the Statement of Financial Activity in accordance with *Financial Management Regulation 32* to agree to the surplus/(deficit) after imposition of general rates.

		Last Year Closing 30 June 2022	Year to Date 31 October 2022
Adjustments to net current assets			
Less: Reserves - restricted cash	10	(9,215,647)	(8,347,112)
Add: movement in non-current borrowings	8	96,588	48,432
Add: Lease liabilities	9	9,260	4,488
Total adjustments to net current assets		(9,109,799)	(8,294,192)

(d) Net current assets used in the Statement of Financial Activity

Current assets			
Cash and cash equivalents	2	14,263,518	17,250,186
Rates receivables	3	532,085	905,851
Receivables	3	355,230	185,644
Other current assets	4	233,462	18,827
Less: Current liabilities			
Payables	5	(1,005,802)	(313,544)
Borrowings	8	(96,588)	(48,432)
Contract liabilities	11	(1,004,129)	(1,004,129)
Lease liabilities	9	(9,260)	(4,488)
Provisions	11	(471,302)	(471,302)
Less: Total adjustments to net current assets	1(c)	(9,109,799)	(8,294,192)
Closing funding surplus / (deficit)		3,687,415	8,224,421

CURRENT AND NON-CURRENT CLASSIFICATION

In the determination of whether an asset or liability is current or non-current, consideration is given to the time when each asset or liability is expected to be settled. Unless otherwise stated assets or liabilities are classified as current if expected to be settled within the next 12 months.

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**OPERATING ACTIVITIES
NOTE 2
CASH AND FINANCIAL ASSETS**

Description	Classification	Unrestricted	Restricted	Total Cash	Institution	Interest Rate	Maturity Date
		\$	\$	\$			
Cash on hand		1,350		1,350			
Muni funds - bank working acc	Cash and cash equivalents	184,190		184,190	WBC	0.00%	
Muni funds - at call account	Cash and cash equivalents	2,865,243		2,865,243	WBC	0.95%	
Muni funds - investment account (31 days)	Cash and cash equivalents	3,337,921		3,337,921	WBC	3.35%	(rolling 31 day)
Muni funds - investment account (60 days)	Cash and cash equivalents	2,500,000		2,500,000	WBC	3.50%	(rolling 60 day)
Reserve funds - investment account (90 days)	Cash and cash equivalents		8,361,482	8,361,482	WBC	3.85%	(rolling 90 day)
Total		8,888,704	8,361,482	17,250,186			
Comprising							
Cash and cash equivalents		8,888,704	8,361,482	17,250,186			
		8,888,704	8,361,482	17,250,186			

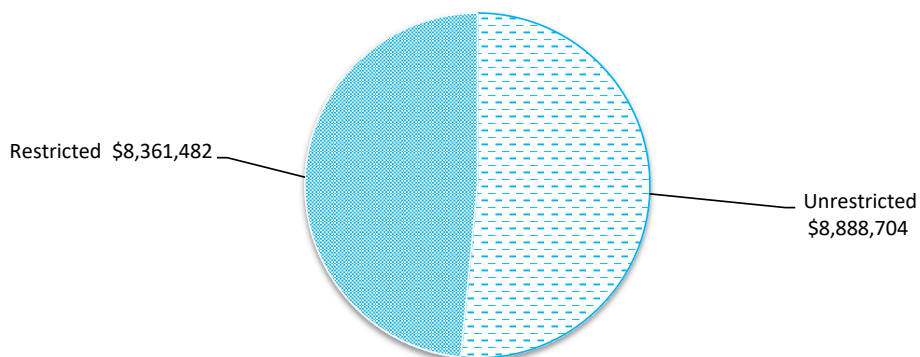
KEY INFORMATION

Cash and cash equivalents include cash on hand, cash at bank, deposits available on demand with banks and other short term highly liquid investments with original maturities of three months or less that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value. Bank overdrafts are reported as short term borrowings in current liabilities in the statement of net current assets.

The local government classifies financial assets at amortised cost if both of the following criteria are met:

- the asset is held within a business model whose objective is to collect the contractual cashflows, and
- the contractual terms give rise to cash flows that are solely payments of principal and interest.

Financial assets at amortised cost held with registered financial institutions are listed in this note other financial assets at amortised cost are provided in Note 4 - Other assets.



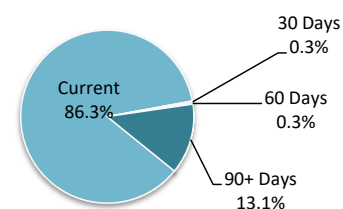
**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**OPERATING ACTIVITIES
NOTE 3
RECEIVABLES**

Rates receivable	30 Jun 2022	31 Oct 2022
	\$	\$
Opening arrears previous years	818,187	532,085
Levied this year	4,051,369	4,191,398
Less - collections to date	(4,337,471)	(3,817,632)
Gross rates collectable	532,085	905,851
Net rates collectable	532,085	905,851
% Collected	89.1%	80.8%

■ Credit
■ Current
■ 30 Days
■ 60 Days
■ 90+ Days

Accounts Receivable (non-rates)



Receivables - general	Credit	Current	30 Days	60 Days	90+ Days	Total
	\$	\$	\$	\$	\$	\$
Receivables - general	0	80,619	280	270	12,257	93,426
Percentage	0.0%	86.3%	0.3%	0.3%	13.1%	
Balance per trial balance						
Sundry receivable						93,426
GST receivable						96,670
Allowance for impairment of receivables from contracts with customers						(4,452)
Total receivables general outstanding						185,644

Amounts shown above include GST (where applicable)

KEY INFORMATION

Trade and other receivables include amounts due from ratepayers for unpaid rates and service charges and other amounts due from third parties for goods sold and services performed in the ordinary course of business.

Trade receivables are recognised at original invoice amount less any allowances for uncollectable amounts (i.e. impairment). The carrying amount of net trade receivables is equivalent to fair value as it is due for settlement within 30 days.

Classification and subsequent measurement

Receivables which are generally due for settlement within 30 days except rates receivables which are expected to be collected within 12 months are classified as current assets. All other receivables such as, deferred pensioner rates receivable after the end of the reporting period are classified as non-current assets.

Trade and other receivables are held with the objective to collect the contractual cashflows and therefore the Shire measures them subsequently at amortised cost using the effective interest rate method.

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**OPERATING ACTIVITIES
NOTE 4
OTHER CURRENT ASSETS**

	Opening Balance 1 July 2022	Asset Increase	Asset Reduction	Closing Balance 31 October 2022
Other current assets	\$	\$	\$	\$
Inventory				
Fuel	47,225	0	(28,398)	18,827
Other Assets				
Accrued income	7,506	0	(7,506)	0
Contract assets				
Contract assets	178,731	0	(178,731)	0
Total other current assets	233,462	0	(214,635)	18,827
Amounts shown above include GST (where applicable)				

KEY INFORMATION

Inventory

Inventories are measured at the lower of cost and net realisable value.

Net realisable value is the estimated selling price in the ordinary course of business less the estimated costs of completion and the estimated costs necessary to make the sale.

Contract assets

A contract asset is the right to consideration in exchange for goods or services the entity has transferred to a customer when that right is conditioned on something other than the passage of time.

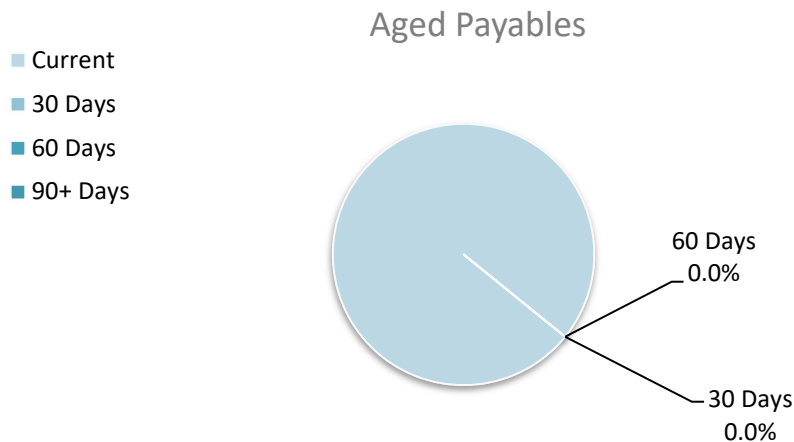
**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**OPERATING ACTIVITIES
NOTE 5
PAYABLES**

Payables - trade	Current	30 Days	60 Days	90+ Days	Total
	\$	\$	\$	\$	\$
Payables - trade	101,077	0	0	0	101,077
Percentage	100%	0%	0%	0%	
Balance per trial balance					
Sundry creditors					327,287
ATO liabilities					(13,743)
Total payables general outstanding					313,544
Amounts shown above include GST (where applicable)					

KEY INFORMATION

Trade and other payables represent liabilities for goods and services provided to the Shire prior to the end of the period that are unpaid and arise when the Shire becomes obliged to make future payments in respect of the purchase of these goods and services. The amounts are unsecured, are recognised as a current liability and are normally paid within 30 days of recognition. The carrying amounts of trade and other payables are considered to be the same as their fair values, due to their short-term nature.



NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022

OPERATING ACTIVITIES
NOTE 6
DISPOSAL OF ASSETS

Asset Ref.	Asset description	Budget				YTD Actual			
		Net Book	Proceeds	Profit	(Loss)	Net Book	Proceeds	Profit	(Loss)
		Value				Value			
		\$	\$	\$	\$	\$	\$	\$	\$
	Plant and equipment								
	Recreation and culture								
	1881 - Ride on mower	19,670	6,000	0	(13,670)	0	0	0	0
	2012 - Fuso Canter light tip truck	48,710	25,000	0	(23,710)	0	0	0	0
	2037 - Toyota Hilux single cab ute	29,522	30,000	478	0	0	0	0	0
	1894 - Isuzu SX single cab ute	14,829	19,700	4,871	0	0	0	0	0
	1878 - Elevated working platform	16,554	5,000	0	(11,554)	0	0	0	0
	Transport								
	1994 - John Deer grader	197,400	75,000	0	(122,400)	0	0	0	0
	1992 - Bomag Multi-tyred Roller	86,056	30,000	0	(56,056)	0	0	0	0
	1818 - Roadwest Tandem Dolly	20,196	5,000	0	(15,196)	0	0	0	0
	2039 - Toyota Landcruiser LC70 ute	44,577	50,000	5,423	0	0	0	0	0
	2040 - Toyota Landcruiser LC70 ute	48,296	50,000	1,704	0	0	0	0	0
	2048 - Toyota Landcruiser LC70 ute	35,978	40,000	4,022	0	0	0	0	0
	2050 - Toyota Landcruiser LC70 ute	47,436	45,000	0	(2,436)	0	0	0	0
	Other property and services								
	2015 - Toyota RAV4	21,139	15,000	0	(6,139)	21,831	19,091	0	(2,740)
	2038 - Toyota Prado	55,036	65,000	9,964	0	0	0	0	0
	2 - Toyota Hilux	48,329	40,000	0	(8,329)	0	0	0	0
		733,728	500,700	26,462	(259,490)	21,831	19,091	0	(2,740)

NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022

INVESTING ACTIVITIES
NOTE 7
CAPITAL ACQUISITIONS (SUMMARY)

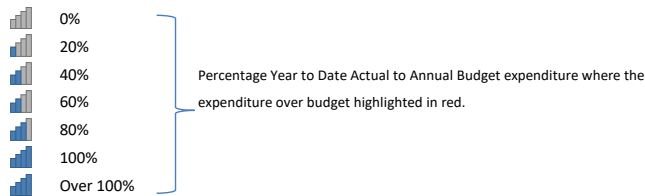
Capital acquisitions	Adopted		YTD Actual	YTD Actual Variance
	Budget	YTD Budget		
	\$	\$	\$	\$
Buildings	2,398,751	137,764	168,645	30,881
Furniture and equipment	65,000	50,000	10,530	(39,470)
Plant and equipment	1,826,000	128,000	190,339	62,339
Infrastructure - roads	3,587,413	1,546,512	549,811	(996,701)
Infrastructure - other	716,500	53,830	12,396	(41,434)
Payments for Capital Acquisitions	8,593,664	1,916,106	931,721	(984,385)

NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022

INVESTING ACTIVITIES
NOTE 7
CAPITAL ACQUISITIONS (DETAILED)

Capital expenditure total

Level of completion indicators



Level of completion indicator, please see table at the end of this note for further detail.

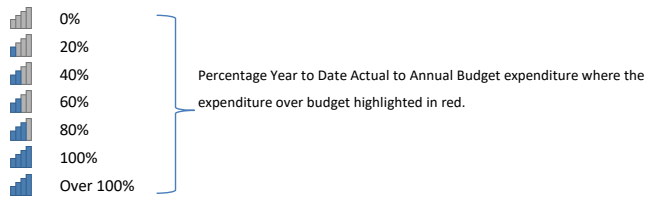
			Adopted		Variance
Account Description			Budget	YTD Budget	(Under)/Over
			\$	\$	\$
Land and buildings					
E07451	Southern Cross medical centre, genset with security fencing		30,000	15,000	16,891
J08401	Homes For The Aged Units 1 & 2, carport and fence		19,101	-	738
J08402	Homes For The Aged Units 3 & 4, carport and fence		19,124	-	-
J08403	Homes For The Aged Units 5 & 6, carport and fence		23,113	-	-
J08404	Homes For The Aged Units 7 & 8, carport and fence		19,054	-	-
J08405	Homes For The Aged Units 9 & 10, carport and fence		19,054	-	-
J08406	Homes For The Aged Units 11 & 12, carport and fence		16,577	-	-
J09105	3 Libra Place, capital works		-	-	12,882
J09106	6 Libra Place, capital works		-	-	15,892
J09755	35 Taurus St, blinds, window locks and flyscreens		18,000	-	-
J09759	91C Antares St, kitchen and internal upgrades		44,607	44,607	28,381
J09760	1/50 Antares St, renovate bathroom		8,221	8,221	-
E08150	Community Resource Centre, storage and toilet upgrades		11,811	3,928	5,494
J11341	Yilgarn Bowls and Tennis Club, paint external walls		14,000	-	-
J11342	Southern Cross recreation complex, LRCI Round 3 renovations		1,237,044	-	19
J13203	Caravan Park, renovate Sandalwood bathrooms		81,224	-	-
J14601	Shire administration building, windows		35,830	11,940	8,017
J14602	Shire depot, improve vehicle wash bays		20,000	20,000	-
J14603	11 Antares St, general renovations and internal works		102,214	34,068	79,843
J14604	Shire depot, yard surfaces		-	-	487
E09710	New executive residence		595,277	-	-
E11250	Southern Cross swimming pool, solar panels		50,000	-	-
E11359	Southern Cross golf club, sewerage system and toilets		34,500	-	-
Furniture					
E10755	Grave shoring box		15,000	-	-
E12352	Shire Depot, shelving and storage		20,000	20,000	-
E12452	Aerodrome, AFRU & PAL units		30,000	30,000	-
E13258	Southern Cross caravan park, washer/dryer units		-	-	10,530
Plant and equipment					
E10353	Southern Cross sewerage scheme, various pump and equipment upgrades		172,500	57,500	43,163
E10451	Marvel Loch sewerage scheme, new pumps		10,500	10,500	14,191
E11357	Parks and Gardens, light vehicles and plant items		342,500	-	82,960
E12350	Works, grader, roller and multiple light vehicles		1,120,500	-	-
E14656	Administration, light vehicles		180,000	60,000	50,025
Infrastructure - roads					
RRG21	Koolyanobbing road, construct to 8m seal - SLK 0.0 - 2.1		624,822	624,819	365
RRG22	Koolyanobbing road, reseal - SLK 14.0 - 17.0		100,559	100,554	365
RRG23	Koolyanobbing road, reseal - SLK 41.4 - 52.5		434,500	434,496	365
RRG24	Koorda Bullfinch road, reseal - SLK 1.5 - 2.5		48,754	48,750	365
R2R32	Bodallin South road, construct to 8m seal - SLK 25.6 - 30.6		167,622	-	687
R2R33	Bodallin South road, reseal - SLK 7.8 - 9.4		61,296	-	365
R2R34	Cramphorne road, gravel overlay - SLK 10.2 - 15.0		286,666	-	232,595
R2R35	Cramphorne road, reseal - SLK 8.2 - 9.9		82,698	-	365
R2R36	Emu Fence road, gravel overlay - SLK 89.4 - 95.0		310,401	-	259,105
RRU29	Southern Cross South road, gravel overlay - SLK 25.6 - 30.6		286,284	-	10,897

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**INVESTING ACTIVITIES
NOTE 7
CAPITAL ACQUISITIONS (DETAILED)**

Capital expenditure total

Level of completion indicators



Level of completion indicator, please see table at the end of this note for further detail.

			Adopted		YTD Actual	Variance (Under)/Over
Account Description			Budget	YTD Budget		
			\$	\$	\$	\$
	RRU30	Koorda Bullfinch road, gravel shoulders - SLK 13.0 - 24.3	449,941	-	897	897
	RRU31	Marvel Loch Forresteria road, reseal - SLK 0.0 - 1.0	56,312	-	365	365
	RRU32	Capito road, gravel overlay - SLK 0.0 - 5.0	270,397	-	41,915	41,915
	HVRIC7	Koolyanobbing Rd - Construct To 7M Seal - Slk 14.0 - 17.0	337,895	337,893	1,160	(336,733)
Infrastructure - other						
	TRU13	Emu Park, hard stand for electric charging station	69,266	-	-	-
	J10107	Southern Cross refuse site, perimeter fencing	7,500	2,500	-	(2,500)
	J11151	Southern Cross war memorial, new flag poles	16,000	-	-	-
	J11343	Satellite townsites, playground and open space equipment	630,000	-	-	-
	E10350	Southern Cross sewerage scheme, access chamber upgrades	17,500	5,832	-	(5,832)
	E10450	Marvel Loch sewerage scheme, access chamber upgrades	25,500	25,500	-	(25,500)
	E11355	Southern Cross oval, lighting towers	20,000	19,998	12,396	(7,602)
			8,593,664	1,916,106	931,721	(984,385)

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

FINANCING ACTIVITIES

NOTE 8

BORROWINGS

Repayments - borrowings

Information on borrowings			New Loans		Principal Repayments		Principal Outstanding		Interest Repayments	
Particulars	Loan No.	1 July 2022	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
		\$	\$	\$	\$	\$	\$	\$	\$	\$
Community amenities										
WA Treasury, Southern Cross swimming pool	0098	857,166	0	0	48,156	48,156	809,010	809,010	4,897	4,897
Total		857,166	0	0	48,156	48,156	809,010	809,010	4,897	4,897
Current borrowings		96,588					48,432			
Non-current borrowings		760,578					760,578			
		857,166					809,010			

All debenture repayments were financed by general purpose revenue.

The Shire has no unspent debenture funds as at 30th June 2021, nor is it expected to have unspent funds as at 30th June 2022.

KEY INFORMATION

Borrowing costs are recognised as an expense when incurred except where they are directly attributable to the acquisition, construction or production of a qualifying asset. Where this is the case, they are capitalised as part of the cost of the particular asset until such time as the asset is substantially ready for its intended use or sale.

Fair values of borrowings are not materially different to their carrying amounts, since the interest payable on those borrowings is either close to current market rates or the borrowings are of a short term nature. Non-current borrowings fair values are based on discounted cash flows using a current borrowing rate.

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

FINANCING ACTIVITIES

NOTE 9

LEASE LIABILITIES

Movement in carrying amounts

Information on leases		1 July 2022	New Leases		Principal Repayments		Principal Outstanding		Interest Repayments	
Particulars	Lease No.		Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
		\$	\$	\$	\$	\$	\$	\$	\$	\$
Other property and services										
<i>Commander telephones</i>	0001	9,540	0	0	(3,203)	(3,203)	6,337	6,337	323	323
<i>Canon Photocopier (front office)</i>	0002	1,112	0	0	(1,112)	(1,112)	(0)	(0)	102	102
<i>Canon Photocopier (back office)</i>	0003	5,662	0	0	(456)	(456)	5,206	5,206	8	8
Total		16,314	0	0	(4,772)	(4,772)	11,542	11,542	433	433
Current lease liabilities		9,260					4,488			
Non-current lease liabilities		7,054					7,054			
		16,314					11,542			

All lease repayments were financed by general purpose revenue.

KEY INFORMATION

At inception of a contract, the Shire assesses if the contract contains or is a lease. A contract is or contains a lease, if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration. At the commencement date, a right of use asset is recognised at cost and lease liability at the present value of the lease payments that are not paid at that date. The lease payments are discounted using that date. The lease payments are discounted using the interest rate implicit in the lease, if that rate can be readily determined. If that rate cannot be readily determined, the Shire uses its incremental borrowing rate.

All contracts classified as short-term leases (i.e. a lease with a remaining term of 12 months or less) and leases of low value assets are recognised as an operating expense on a straight-line basis over the term of the lease.

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**OPERATING ACTIVITIES
NOTE 10
RESERVE ACCOUNTS**

Reserve accounts

Reserve name	Opening Balance	Budget Interest Earned	Actual Interest Earned	Budget Transfers In (+)	Actual Transfers In (+)	Budget Transfers Out (-)	Actual Transfers Out (-)	Budget Closing Balance	Actual YTD Closing Balance
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Restricted by Legislation									
Aerodrome reserve	296,452	1,038	2,412	0	0	0	0	297,490	298,864
Yilgarn bowls and tennis club reserve	54,074	261	440	6,594	0	0	0	60,929	54,514
Building funding reserve	2,649,632	9,274	21,560	0	0	0	0	2,658,906	2,671,192
Community bus reserve	129,093	452	1,050	0	0	0	0	129,545	130,143
Unspent grants	943,522		7,677	0	0	(943,522)	(943,522)	0	7,677
Health services (operations) reserve	108,981	381	887	0	0	0	0	109,362	109,868
Health services (capital) reserve	212,247	743	1,727	0	0	0	0	212,990	213,974
Homes for the aged reserve	401,940	1,407	3,271	0	0	0	0	403,347	405,211
HVRIC reserve	584,839	2,047	4,759	154,000	0	(168,947)	0	571,939	589,598
Long service leave reserve	297,148	1,040	2,418	0	0	0	0	298,188	299,566
Mt Hampton/Dulyalbin reserve	54,691	391	445	7,300	0	0	0	62,382	55,136
Museum reserve	24,827	187	202	2,900	0	0	0	27,914	25,029
Plant funding reserve	894,945	3,132	7,282	200,000	0	0	0	1,098,077	902,227
Sport and recreation facility reserve	597,900	2,093	4,865	0	0	0	0	599,993	602,765
Southern Cross refuse site reserve	242,947	850	1,977	0	0	0	0	243,797	244,924
Sewerage upgrades reserve	1,156,795	4,049	9,413	0	0	0	0	1,160,844	1,166,208
Standpipe upgrade reserve	200,155	701	1,629	0	0	0	0	200,856	201,784
Tourism reserve	253,916	889	2,066	0	0	0	0	254,805	255,982
Youth development reserve	111,543	390	908	0	0	0	0	111,933	112,451
Minreral Resources Contributions Reserve	0	0	0	710,000	0	0	0	710,000	0
	9,215,647	29,325	74,987	1,080,794	0	(1,112,469)	(943,522)	9,213,297	8,347,112

NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022

OPERATING ACTIVITIES
NOTE 11
OTHER CURRENT LIABILITIES

	Note	Opening Balance 1 July 2022	Liability transferred from/(to) non- current	Liability Increase	Liability Reduction	Closing Balance 31 October 2022
Other current liabilities		\$		\$	\$	\$
Other liabilities						
- Contract liabilities		1,004,129	0	0	0	1,004,129
Total other liabilities		1,004,129	0	0	0	1,004,129
Employee Related Provisions						
Annual leave		287,735	0	0	0	287,735
Long service leave		183,567	0	0	0	183,567
Total Employee Related Provisions		471,302	0	0	0	471,302
Total other current assets		1,475,431	0	0	0	1,475,431
Amounts shown above include GST (where applicable)						

A breakdown of contract liabilities and associated movements is provided on the following pages at Note 12

KEY INFORMATION

Provisions

Provisions are recognised when the Shire has a present legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured. Provisions are measured using the best estimate of the amounts required to settle the obligation at the end of the reporting period.

Employee Related Provisions

Short-term employee benefits

Provision is made for the Shire's obligations for short-term employee benefits. Short-term employee benefits are benefits (other than termination benefits) that are expected to be settled wholly before 12 months after the end of the annual reporting period in which the employees render the related service, including wages, salaries and sick leave. Short-term employee benefits are measured at the (undiscounted) amounts expected to be paid when the obligation is settled.

The Shire's obligations for short-term employee benefits such as wages, salaries and sick leave are recognised as a part of current trade and other payables in the calculation of net current assets.

Other long-term employee benefits

The Shire's obligations for employees' annual leave and long service leave entitlements are recognised as employee related provisions in the statement of financial position.

Long-term employee benefits are measured at the present value of the expected future payments to be made to employees. Expected future payments incorporate anticipated future wage and salary levels, durations of service and employee departures and are discounted at rates determined by reference to market yields at the end of the reporting period on government bonds that have maturity dates that approximate the terms of the obligations. Any remeasurements for changes in assumptions of obligations for other long-term employee benefits are recognised in profit or loss in the periods in which the changes occur. The Shire's obligations for long-term employee benefits are presented as non-current provisions in its statement of financial position, except where the Shire does not have an unconditional right to defer settlement for at least 12 months after the end of the reporting period, in which case the obligations are presented as current provisions.

Contract liabilities

An entity's obligation to transfer goods or services to a customer for which the entity has received consideration (or the amount is due) from the customer.

Capital grant/contribution liabilities

Grants to acquire or construct recognisable non-financial assets to identified specifications be constructed to be controlled by the Shire are recognised as a liability until such time as the Shire satisfies its obligations under the agreement.

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**NOTE 12
OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS**

Operating grants, subsidies and contributions revenue				
Provider	Adopted Budget Revenue	YTD Budget	Annual Budget	YTD Revenue Actual
	\$	\$	\$	\$
Operating grants and subsidies				
General purpose funding				
Grants Commission - General	585,344	146,336	585,344	170,504
Grants Commission - Roads	436,343	109,085	436,343	96,960
Law, order, public safety				
FESA Grant - Operating Bush Fire Brigade	73,718	18,429	73,718	36,859
Education and welfare				
DRD Grant - Community Resource Centre Operations	105,311	105,311	105,311	26,999
Centrelink Commissions	5,750	1,916	5,750	0
CRC Professional Development & Training	2,500	0	2,500	0
Senior Citizens Centre	800	800	800	0
Community amenities				
Grants - Various Community Development Programs	1,000	332	1,000	0
Transport				
Street Light Operations	11,500	0	11,500	0
Economic services				
Skeleton Weed LAG Program	130,000	130,000	130,000	0
	1,352,266	512,209	1,352,266	331,322

NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022

NOTE 13
NON-OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS

Provider	Capital grant/contribution liabilities				Non operating grants, subsidies and contributions revenue			
	Liability 1 July 2022	Increase in Liability	Decrease in Liability (As revenue)	Liability 31 Oct 2022	Adopted Budget Revenue	YTD Budget	Annual Budget	YTD Revenue Actual
	\$	\$	\$	\$	\$	\$	\$	\$
Non-operating grants and subsidies								
Governance								
Local Roads & Community Infrastructure	808,262	135,260		943,522	943,522	0	943,522	(135,260)
Community amenities								
Waste water reuse	0			0	100,000	0	100,000	0
Transport								
Main Roads Direct	0			0	398,203	398,203	398,203	406,768
Roads To Recovery	(43,471)	43,471		0	1,103,768	100,000	1,103,768	82,348
Regional Road Groups				0	805,750	201,437	805,750	322,298
	764,791	178,731	0	943,522	3,351,243	699,640	3,351,243	676,154
TOTALS	764,791	178,731	0	943,522	3,351,243	699,640	3,351,243	676,154

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**NOTE 14
TRUST FUND**

Funds held at balance date which are required by legislation to be credited to the trust fund and which are not included in the financial statements are as follows:

Description	Opening Balance 1 July 2022	Amount Received	Amount Paid	Closing Balance 31 Oct 2022
	\$	\$	\$	\$
Police Licensing	(44)	0	0	(44)
Builders Levy	16,374	62	0	16,436
Transwa Bookings	3,514	2,687	(2,622)	3,579
Staff Personal Dedns	45,787	14,080	(30,718)	29,149
Housing Tenancy Bonds	5,460	0	(440)	5,020
Hall Hire Bonds And Deposits	1,115	0	0	1,115
Security Key System - Key Bonds	1,830	0	0	1,830
Clubs & Groups	220	0	0	220
Third Party Contributions	6,338	0	0	6,338
Rates Overpaid	17,345	1,950	(6,119)	13,176
	97,939	18,779	(39,899)	76,819

**NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 31 OCTOBER 2022**

**NOTE 15
EXPLANATION OF MATERIAL VARIANCES**

The material variance thresholds are adopted annually by Council as an indicator of whether the actual expenditure or revenue varies from the year to date Actual materially.

The material variance adopted by Council for the 2022-23 year is \$30,000 or 10.00% whichever is the greater.

Nature or type	Var. \$	Var. %	Explanation of positive variances		Explanation of negative variances	
			Timing	Permanent	Timing	Permanent
Revenue from operating activities						
Interest earnings	96,090	350.54%	▲		Climbing cash rate has increased interest received on Council investments	
Other revenue	49,056	23.95%	▲		Proceeds on sale of property not originally budgeted for	
Expenditure from operating activities						
Materials and contracts	(289,385)	(28.29%)	▼	Variance in timing of budgeted work; delay in costs being incurred.		
Utility charges	(173,368)	(60.06%)	▼	Timing variance in billing of water; expenses tracking to budget overall		
Depreciation on non-current assets	98,424	7.48%	▲			Depreciation increased over budget due to significant increase in fair value of infrastructure, following finalisation of valuations
Insurance expenses	135,445	70.12%	▲		Timing variance in second instalment; expense on budget overall	
Payments for property, plant and equipment and infrastructure	(984,385)	(51.37%)	▼	Roadworks behind schedule		

Attachment 9.2.2

Shire of Yilgarn

Council Copy

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
CHQ				
41170	07/10/2022	BULLFINCH PROGRESS ASSOCIATION	MANAGEMENT OF BULLFINCH CARAVAN PARK - REIMBURSEMENT	\$ 1,000.00
41171	07/10/2022	LGRCEU	PAYROLL DEDUCTIONS	\$ 20.50
41172	07/10/2022	SHIRE OF YILGARN	PAYROLL DEDUCTIONS	\$ 1,480.00
41173	07/10/2022	SHIRE OF YILGARN	PAYROLL DEDUCTIONS	\$ 250.00
41174	21/10/2022	LGRCEU	PAYROLL DEDUCTIONS	\$ 20.50
41175	21/10/2022	SHIRE OF YILGARN	PAYROLL DEDUCTIONS	\$ 1,480.00
41176	21/10/2022	SHIRE OF YILGARN	CHEMIST LEASE - AUGUST 2022	\$ 550.00
41177	21/10/2022	WHEATBELT BUSINESS NETWORK INC	WHEATBELT BUSINESS NETWORK MEMBERSHIP - CRC MEMBER 2022/2023	\$ 1,500.00
41178	21/10/2022	SHIRE OF YILGARN	PAYROLL DEDUCTIONS	\$ 250.00
41179	21/10/2022	SHIRE OF YILGARN	CHEMIST LEASE - SEPTEMBER 2022	\$ 550.00
TOTAL CHEQUES				\$ 7,101.00

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
EFT				
EFT13217	07/10/2022	CEO	STAFF INTERNET REIMBURSEMENT SEPTEMBER 2022	\$ 79.99
EFT13218	07/10/2022	AERODROME MANAGEMENT SERVICES PTY LTD	AERODROME SUPPORT SERVICES - SOUTHERN CROSS - 2022/2023 - SEPTEMBER 2022	\$ 2,820.82
EFT13219	07/10/2022	AMPAC DEBT RECOVERY (WA) PTY LTD	DEBT RECOVERY FOR DEBTORS - SEPTEMBER 2022	\$ 147.73
EFT13220	07/10/2022	AUSTRALIA POST	POSTAL CHARGES - SEPTEMBER 2022	\$ 110.28
EFT13221	07/10/2022	FINANCE MANAGER	REIMBURSEMENT OF STAFF UNIFORM ALLOWANCE 2022/2023	\$ 266.23
EFT13222	07/10/2022	R DELLA BOSCA FAMILY TRUST	GRADER HIRE - MARVEL LOCH-FORRESTANIA, OLD MARVEL LOCH, FROG ROCK-MARVEL LOCH, PATRONI AND PARKERS RANGE ROADS	\$ 12,897.50
EFT13223	07/10/2022	EMCS	STAFF REIMBURSEMENT PHONE SEPTEMBER 2022	\$ 95.00
EFT13224	07/10/2022	AUST. GOVERNMENT CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS	\$ 531.45
EFT13225	07/10/2022	CORSIGN	KARALEE AND BULLFINCH CARAVAN PARK SIGNAGE	\$ 1,327.70
EFT13226	07/10/2022	COURIER AUSTRALIA	TOLL FREIGHT	\$ 967.73
EFT13227	07/10/2022	DEPARTMENT OF FIRE & EMERGENCY SERVICES	EMERGENCY SERVICES LEVY - 2022/2023	\$ 5,931.33
EFT13228	07/10/2022	EMI	REIMBURSEMENT FOR FUEL	\$ 131.01
EFT13229	07/10/2022	GREAT SOUTHERN FUEL	BULK FUEL	\$ 37,598.00
EFT13230	07/10/2022	IAN DEREK CHRISTIE	MT HAMPTON HALL MAINTENANCE AND 6 LIBRA PLACE CAPITAL WORKS	\$ 5,383.18
EFT13231	07/10/2022	JB HIFI SOLUTIONS	EMI WORK PHONE	\$ 1,785.00
EFT13232	07/10/2022	LEISURE INSTITUTE OF WA AQUATICS (INC)	REGIONAL WA AQUATIC RECREATION SEMINAR	\$ 110.00
EFT13233	07/10/2022	WA LOCAL GOVERNMENT ASSOCIATION (WALGA)	WALGA SUBSCRIPTIONS - ASSOCIATION, PROCUREMENT, TAX SERVICE, COUNCIL CONNECT, EMPLOYEE RELATIONS, LOCAL LAWS AND LG COMPLETE GUIDE	\$ 34,866.66
EFT13234	07/10/2022	MARKETFORCE	ADVERTISING IN THE WEST AUSTRALIAN - TENDER AND EMRS POSITION	\$ 2,929.66
EFT13235	07/10/2022	PAYWISE PTY LTD	PAYROLL DEDUCTIONS	\$ 483.21
EFT13236	07/10/2022	PUBLIC LIBRARIES WA INC	PUBLIC LIBRARIES OF WA MEMBERSHIP 2022/2023	\$ 200.00
EFT13237	07/10/2022	RAW CREATIVE	ARTWORK FOR EASTERN WHEATBELT VISITORS GUIDE - 2022/2023	\$ 260.00
EFT13238	07/10/2022	SHAC ELECTRICAL SERVICES	ELECTRICAL SERVICES INCLUDING RCD CHECKS AT CARAVAN PARK AND 13 LIBRA PLACE EAST HOT WATER SYSTEM REPAIR	\$ 2,027.00
EFT13239	07/10/2022	DAIMLER TRUCKS PERTH	TRUCK PARTS	\$ 3,289.18
EFT13240	07/10/2022	YILGARN SHIRE SOCIAL CLUB	PAYROLL DEDUCTIONS	\$ 96.00
EFT13241	07/10/2022	SPECIALIZED CLEANING GROUP PTY LTD	STREETSWEEPER AND OPERATOR HIRE	\$ 6,472.84
EFT13242	07/10/2022	SOUTHERN CROSS GENERAL PRACTICE	LAB SCREENS AS REQUIRED FOR RANDOM DRUG TESTS	\$ 319.00
EFT13243	07/10/2022	SOUTHERN CROSS HARDWARE AND NEWS	HARDWARE PURCHASES - SEPTEMBER 2022 - INCLUDING 11 ANTARES CAPITAL WORKS BUILDING SUPPLIES	\$ 10,845.28
EFT13244	07/10/2022	SOUTHERN CROSS TYRE & AUTO SERVICES	TYRE SERVICE PURCHASES - SEPTEMBER 2022 - INCLUDING BUSH FIRE VEHICLE SERVICING, AND VEHICLE PARTS	\$ 5,427.26
EFT13245	07/10/2022	SYNERGY	POWER - SEPTEMBER 2022	\$ 11,032.64
EFT13246	07/10/2022	TOWN PLANNING INNOVATIONS PTY LTD	TOWN PLANNING SERVICES - 9-11 LIBRA AMALGAMNATION	\$ 247.50

**Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022**

CHQ/EFT	Date	Payee	Description	Amount
EFT				
EFT13247	07/10/2022	T-QUIP	MOWER PARTS	\$ 2,706.00
EFT13248	07/10/2022	YILGARN AGENCIES	WORKS VEHICLE - TWO WAY RADIO AND SX PARKS AND GARDENS SUPPLIES	\$ 831.82
EFT13249	07/10/2022	YILGARN PLUMBING AND GAS	PLUMBING SERVICES - INCLUDING MARVEL LOCH SEWERAGE REPLACEMENT PUMP	\$ 4,451.70
EFT13250	11/10/2022	IT VISION AUSTRALIA PTY LTD	SYNERGYSOFT ANNUAL LICENSE FEES - JULY 2022 TO JUNE 2023	\$ 47,792.81
EFT13251	11/10/2022	SHAC ELECTRICAL SERVICES	ELECTRICAL SERVICES - INCLUDING 11 ANTARES STREET CAPITAL WORKS, LIGHTING WIRING AND TV ANTENNA CABLING	\$ 11,606.00
EFT13252	21/10/2022	A.D. ENGINEERING INTERNATIONAL PTY LTD	ANNUAL 4G WAN SERVICE VISUAL MESSAGING TRAILER	\$ 528.00
EFT13253	21/10/2022	AFGRI EQUIPMENT AUSTRALIA PTY LTD	GRADER PARTS	\$ 406.87
EFT13254	21/10/2022	WA DISTRIBUTORS PTY LTD	CLEANING CONSUMABLES	\$ 1,024.85
EFT13255	21/10/2022	AVON WASTE	MONTHLY RUBBISH COLLECTION - SEPTEMBER 2022	\$ 15,862.05
EFT13256	21/10/2022	BEV MARTIN TEXTILES	CARAVAN PARK LINENS	\$ 411.40
EFT13257	21/10/2022	BOC GASES	GAS CONTAINER HIRE - SEPTEMBER 2022	\$ 50.52
EFT13258	21/10/2022	R DELLA BOSCA FAMILY TRUST	GRADER HIRE - PARKERS RANGE ROAD, AND MT JACKSON ROAD	\$ 6,352.50
EFT13259	21/10/2022	CEMETERIES & CREMATORIA ASSOCIATION OF WA	ORDINARY MEMBERSHIP - 2022/2023	\$ 125.00
EFT13260	21/10/2022	AUST. GOVERNMENT CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS	\$ 536.34
EFT13261	21/10/2022	K.L CHRISP AND S.P CHRISP	GRADER REPAIRS	\$ 450.00
EFT13262	21/10/2022	CARAVAN INDUSTRY ASSOCIATION WA	ADVERTISING IN 2023 CARAVAN & CAMPING WA HOLIDAY GUIDE	\$ 440.00
EFT13263	21/10/2022	COURIER AUSTRALIA	TOLL FREIGHT	\$ 379.41
EFT13264	21/10/2022	CROWN PERTH	TRAINING ACCOMODATION - SHIRE PRESIDENT, CEO, AND COUNCILLOR COBDEN	\$ 3,084.50
EFT13265	21/10/2022	DEPARTMENT OF PLANNING, LANDS AND HERITAGE	MONTHLY LEASE - LOT 36 - CROPPING AND GRAZING JILBADJI	\$ 183.34
EFT13266	21/10/2022	DISTINCTIVE POOLS PTY LTD	SWIMMING POOL MAINTENANCE - REPLACEMENT CHLORINE GAS EJECTOR AND FITTING	\$ 2,858.90
EFT13267	21/10/2022	EFTSURE PTY LTD	EFTSURE ANNUAL SUBSCRIPTION FOR SERVICES, OCTOBER 2022 - OCTOBER 2023	\$ 5,266.80
EFT13268	21/10/2022	GILBA DOWNS	TRUCK HIRE AND ROADTRAIN HIRE - EMU FENCE ROAD	\$ 14,520.00
EFT13269	21/10/2022	EMI	STAFF INTERNET REIMBURSEMENT - 08/09/2022 TO 07/10/2022	\$ 80.00
EFT13270	21/10/2022	GOLDEN CITY MOTORS	REPLACEMENT ADMIN PLANT VEHICLE	\$ 33,990.00
EFT13271	21/10/2022	MT HAMPTON PROGRESS ASSOCIATION	REIMBURSEMENT - MT HAMPTON HALL INSURANCE PREMIUM - 30/08/2022 TO 30/08/2023	\$ 1,200.00
EFT13272	21/10/2022	HI-TEC ALARMS	SENIORS CENTRE - QUARTERLY ALARM MONITORING - OCTOBER TO DECEMBER 2022	\$ 171.60
EFT13273	21/10/2022	INDUSTRIAL AUTOMATION GROUP PTY LTD	REPLACEMENT WIRELESS ROUTERS AND BATTERIES	\$ 4,811.40
EFT13274	21/10/2022	JCB CONSTRUCTION EQUIPMENT AUSTRALIA	ROLLER PARTS	\$ 1,422.37
EFT13275	21/10/2022	JONES LANG LASALLE ADVISORY SERVICES PTY LTD	ASSET VALUATION CONSULTANTS - FAIR VALUE REVALUATION OF ROADS, LANEWAYS, URBAN STORMWATER DRAINAGE AND FOOTPATHS AS AT 30 JUNE 2022	\$ 14,850.00
EFT13276	21/10/2022	WESFARMERS KLEENHEAT GAS PTY LTD	CARAVAN PARK GAS SUPPLY	\$ 3,935.79

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
EFT				
EFT13277	21/10/2022	LANDGATE	MINING TENEMENT SCHEDULES	\$ 205.94
EFT13278	21/10/2022	LGISWA	LGIS INSURANCE - 2022/2023 - INSTALMENT TWO	\$ 178,232.93
EFT13279	21/10/2022	WA LOCAL GOVERNMENT ASSOCIATION (WALGA)	WALGA CONFERENCE 2022 REGISTRATIONS - COUNCILLOR CLOSE, ROSE, CEO, AND SHIRE PRESIDENT DELLA BOSCA	\$ 5,429.79
EFT13280	21/10/2022	LOCK, STOCK & FARRELL LOCKSMITH PTY LTD	REPLACEMENT SECURITY KEYS - INCLUDING AERODROME DIGITAL LOCKS	\$ 3,622.35
EFT13281	21/10/2022	CHIVAS ENTERPRISES PTY LTD	ROLLER HIRE - CRAMPHORNE ROAD	\$ 5,500.00
EFT13282	21/10/2022	MCLEODS	LEGAL CONSULTANCY- CONTRACTS OF SALE FOR 8 ASSESSMENTS OFFERED FOR PUBLIC AUCTION	\$ 2,879.12
EFT13283	21/10/2022	MERREDIN GLAZING SERVICE	SOUTHERN CROSS GOLF CLUB MAINTENANCE	\$ 243.10
EFT13284	21/10/2022	MISMATCH WORKSHOP	OUT OF HOURS CALLOUTS FOR MARK CULLEN - LITTER PICK SX LANDFILL	\$ 330.00
EFT13285	21/10/2022	MOORE AUSTRALIA (WA) PTY LTD	AUDIT PROGRESSIVE BILLING FOR 30 SEPTEMBER 2022 - PROVISION OF FINANCIAL MANAGEMENT, RISK MANAGEMENT, INTERNAL CONTROLS SYSTEMS AND LEGISLATIVE COMPLIANCE REVIEW SERVICES	\$ 12,650.00
EFT13286	21/10/2022	OFFICE NATIONAL	CARVAN PARK AND MUSEUM STATIONERY	\$ 786.22
EFT13287	21/10/2022	IXOM OPERATIONS PTY LTD	CHLORINE BOTTLE RENTAL - SEPTEMBER 2022	\$ 450.12
EFT13288	21/10/2022	PAYWISE PTY LTD	PAYROLL DEDUCTIONS	\$ 483.21
EFT13289	21/10/2022	PERFECT COMPUTER SOLUTIONS PTY LTD	IT SERVICES - INCLUDING ANNUAL ANTIVIRUS RENEWALS	\$ 1,420.00
EFT13290	21/10/2022	WA CONTRACT RANGER SERVICES	RANGER CONTRACT SERVICES - 27/09/2022, 05/10/2022 AND 11/10/2022	\$ 1,567.50
EFT13291	21/10/2022	REDFISH TECHNOLOGIES	ADDITIONAL ADMINISTRATION BUILDING CCTV SECURITY CAMERAS	\$ 1,000.00
EFT13292	21/10/2022	ROBERT ROY DELLA BOSCA	STAFF REIMBURSEMENT - SKELETON WEED REFRESHMENTS	\$ 324.00
EFT13293	21/10/2022	ROSS'S DIESEL SERVICE	PRIME MOVER PARTS	\$ 1,013.32
EFT13294	21/10/2022	SHAC ELECTRICAL SERVICES	ELECTRICAL SERVICES - 6 LIBRA PLACE CAPITAL WORKS	\$ 1,498.00
EFT13295	21/10/2022	SHEQSY PTY LTD	GPS PACKAGE - SEPTEMBER 2022	\$ 197.84
EFT13296	21/10/2022	SHIRE OF CUNDERDIN	VELPIC SOFTWARE SHARED CHARGES PER SHIRE - 31/05/2022 TO 30/05/2023 - ONLINE TRAINING PLATFORM	\$ 370.43
EFT13297	21/10/2022	SOUTH METRO TAFE	SEMESTER 2 CERTIFICATE 3 IN CARPENTRY - COURSE FEES FOR APPRENTICE BUILDER	\$ 102.63
EFT13298	21/10/2022	YILGARN SHIRE SOCIAL CLUB	PAYROLL DEDUCTIONS	\$ 90.00
EFT13299	21/10/2022	FOODWORKS - SRI DEVESH PTY LTD	FOODWORKS PURCHASES - SEPTEMBER 2022	\$ 361.05
EFT13300	21/10/2022	SPEEDEE MOBILE CARPET BINDING	MATERIALS FOR CARPET FITTING - 3 LIBRA PLACE	\$ 7,500.00
EFT13301	21/10/2022	STABILISATION TECHNOLOGY PTY LTD	TRAFFIC MANAGEMENT/REPORTING - CAMERON, MARVEL LOCH FORRESTANIA, AND THREE BOYS ROAD	\$ 4,504.50
EFT13302	21/10/2022	SUNHAVEN PASTORAL CO PTY LTD	RATES REFUND	\$ 1,402.09
EFT13303	21/10/2022	SOUTHERN CROSS GENERAL PRACTICE	MEDICAL CENTRE MAINTENANCE	\$ 300.00
EFT13304	21/10/2022	SOUTHERN CROSS MOTOR MART	PARKS & GARDENS EQUIPMENT - INCLUDING CHAINSAW AND LEAFBLOWERS	\$ 4,367.95
EFT13305	21/10/2022	T-QUIP	MOWER PARTS	\$ 289.40
EFT13306	21/10/2022	WESTRAC EQUIPMENT PTY LTD	GRADER PARTS - INCLUDING BLADES	\$ 12,557.35
EFT13307	21/10/2022	TELSTRA	SMS SERVICE - SEPTEMBER 2022	\$ 1,697.64

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
<i>EFT</i>				
EFT13308	21/10/2022	THE WORKWEAR GROUP PTY LTD	STAFF UNIFORM - DEPOT, AND ADMIN	\$ 610.57
EFT13309	21/10/2022	YILGARN PLUMBING AND GAS	PLUMBING SERVICES - 3 LIBRA PLACE GAS AND WATER LINES REPAIR	\$ 2,042.76
TOTAL:				\$ 583,038.96

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
CHQ				
Chq/EFT	Date	Name	Description	Amount
2029	03/10/2022	SOUTHERN CROSS GENERAL PRACTICE	MONTHLY PAYMENT TO THE DOCTOR - OCTOBER 2022	\$ 6,600.00
2030	10/10/2022	CANON FINANCE AUSTRALIA PTY LTD	PHOTOCOPIER LEASE - OCTOBER 2022	\$ 333.96
2031	07/10/2022	MOTORCHARGE LIMITED	FUEL CARD - SEPTEMBER 2022	\$ 1,897.37
2032	12/10/2022	SHIRE OF YILGARN - PAYROLL	NET PAYROLL PPE - 11/10/2022	\$ 96,144.67
2033	12/10/2022	TELCO CHOICE - COMMANDER CENTRE NORTH PERTH	COMMANDER TELEPHONE FEES - BONDER HIRE - OCTOBER 2022	\$ 250.00
2034	18/10/2022	TELCO CHOICE - COMMANDER CENTRE NORTH PERTH	COMMANDER TELEPHONE FEES - DATA, EQUIPMENT, VOICE - SEPTEMBER 2022	\$ 1,360.55
2035	14/10/2022	WESTPAC BANKING CORPORATION	EMCS CREDIT CARD - SEPTEMBER 2022	\$ 1,475.10
2036	14/10/2022	WESTPAC BANKING CORPORATION	CEO CREDIT CARD - SEPTEMBER 2022	\$ 3,771.33
2037	07/10/2022	DEPARTMENT OF TRANSPORT	DOT LICENSING FROM 03/10/2022 TO 07/10/2022	\$ 8,335.55
2038	14/10/2022	DEPARTMENT OF TRANSPORT	DOT LICENSING FROM 10/10/2022 TO 14/10/2022	\$ 12,505.65
2039	20/10/2022	MISMATCH WORKSHOP	SUPERANNUATION - JULY 2022 - LANDFILL ATTENDANT	\$ 531.30
2040	24/10/2022	CANON FINANCE AUSTRALIA PTY LTD	BACK PHOTOCOPIER LEASE - OCTOBER 2022	\$ 127.62
2041	21/10/2022	DEPARTMENT OF TRANSPORT	DOT LICENSING FROM 17/10/2022 TO 21/10/2022	\$ 10,242.00
2042	12/10/2022	TELSTRA	PHONE - SEPTEMBER 2022 - SKELETON WEED AND DURESS ALARM	\$ 468.56
2043	17/10/2022	TELSTRA	PHONE - SEPTEMBER 2022 - SHIRE	\$ 967.01
2044	21/10/2022	TELSTRA	PHONE - SEPTEMBER 2022 - MANAGER MOBILES	\$ 673.21
2045	26/10/2022	SHIRE OF YILGARN - PAYROLL	NET PAYROLL PPE - 25/10/2022	\$ 151,501.73
2046	28/10/2022	DEPARTMENT OF TRANSPORT	DOT LICENSING FROM 24/10/2022 TO 28/10/2022	\$ 16,189.50
2047	31/10/2022	DEPARTMENT OF TRANSPORT	DOT LICENSING - 31/10/2022	\$ 14,122.20
TOTAL CHEQUES				\$ 327,497.31

**Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022**

CHQ/EFT	Date	Payee	Description	Amount
CORPORATE CREDIT CARDS				
CEOCC-SEP22	14/10/2022	BEST PRACTICE SOFTWARE PTY LTD	MEDICAL CENTRE ANNUAL SOFTWARE	\$ 713.32
CEOCC-SEP22	14/10/2022	SEEK LTD	ADVERTISEMENT OF POOL MANAGER POSITION	\$ 324.50
CEOCC-SEP22	14/10/2022	SEEK LTD	ADVERTISEMENT OF PLANT OPERATOR POSITION	\$ 346.50
CEOCC-SEP22	14/10/2022	CONNOR	CEO UNIFORM ALLOWANCE - 2022/2023	\$ 354.99
CEOCC-SEP22	14/10/2022	CONNOR	CEO UNIFORM ALLOWANCE - 2022/2023	\$ 234.98
CEOCC-SEP22	14/10/2022	MYER	CEO UNIFORM ALLOWANCE - 2022/2023	\$ 401.19
CEOCC-SEP22	14/10/2022	LOCAL GOVERNMENT PROFESSIONALS WA	ANNUAL STATE CONFERENCE 2022	\$ 1,320.00
CEOCC-SEP22	14/10/2022	QARLUQLA GROUP PTY LTD	CEO MOBILE PROTECTIVE CASE	\$ 75.85
TOTAL CEO CREDIT CARD				\$ 3,771.33

EMCSCC-SEP22	14/10/2022	OFFICEWORKS LTD	CARAVAN PARK PRINTER CARTRIDGES AND TONER	386.98
EMCSCC-SEP22	14/10/2022	WILSON WA PTY LTD	GRADER PARTS	189.24
EMCSCC-SEP22	14/10/2022	GALVIN HARDWARE	11 ANTARES STREET CAPEX SUPPLIES	564.64
EMCSCC-SEP22	14/10/2022	DEPARTMENT OF TRANSPORT	ONE YEAR LICENSE RENEWAL - DEPOT STAFF	46.85
EMCSCC-SEP22	14/10/2022	IGA MERREDIN	ADMIN REFRESHMENTS	21.00
EMCSCC-SEP22	14/10/2022	ST JOHNS AMBULANCE WESTERN AUSTRALIA LTD	FIRST AID COURSE - LANDFILL ATTENDANT	160.00
EMCSCC-SEP22	14/10/2022	SAFETYCULTURE PTY LTD	IAUDITOR SUBSCRIPTION FOR PERFORMING WORKPLACE INSPECTIONS - SEPTEMBER 2022	26.40
EMCSCC-SEP22	14/10/2022	IINET/WESTNET	MONTHLY CHARGES FOR BUSINESS NBN - SEPTEMBER 2022	79.99
TOTAL EMCS CREDIT CARD				\$ 1,475.10
TOTAL CREDIT CARD				\$ 5,246.43

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
DIRECT DEBITS				
DD17282.1	11/10/2022	THE TRUSTEE FOR AWARE SUPER	PAYROLL DEDUCTIONS	\$ 15,271.07
DD17282.2	11/10/2022	AUSTRALIAN RETIREMENT TRUST	SUPERANNUATION CONTRIBUTIONS	\$ 64.40
DD17282.3	11/10/2022	HOSTPLUS EXECUTIVE SUPERANNUATION FUND	PAYROLL DEDUCTIONS	\$ 530.21
DD17282.4	11/10/2022	PRIME SUPER	PAYROLL DEDUCTIONS	\$ 505.14
DD17282.5	11/10/2022	REST (RETAIL EMPLOYEES SUPERANNUATION TRUST)	PAYROLL DEDUCTIONS	\$ 774.42
DD17282.6	11/10/2022	BEATON FARMING CO SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	\$ 714.64
DD17282.7	11/10/2022	FIRST CHOICE EMPLOYER SUPER	SUPERANNUATION CONTRIBUTIONS	\$ 633.39
DD17282.8	11/10/2022	AUSTRALIAN SUPER	SUPERANNUATION CONTRIBUTIONS	\$ 2,259.58
DD17282.9	11/10/2022	THE TRUSTEE FOR MACQUARIE SUPERANNUATION PLAN	SUPERANNUATION CONTRIBUTIONS	\$ 573.82
DD17282.10	11/10/2022	BT SUPER FOR LIFE ACCOUNT	SUPERANNUATION CONTRIBUTIONS	\$ 753.50
DD17282.11	11/10/2022	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS	\$ 582.28
DD17282.12	11/10/2022	BT PANORAMA SUPER	SUPERANNUATION CONTRIBUTIONS	\$ 555.68
TOTAL DIRECT DEBIT 17282				\$ 23,218.13

DD17339.1	25/10/2022	THE TRUSTEE FOR AWARE SUPER	PAYROLL DEDUCTIONS	14407.56
DD17339.2	25/10/2022	AUSTRALIAN RETIREMENT TRUST	SUPERANNUATION CONTRIBUTIONS	73.60
DD17339.3	25/10/2022	HOSTPLUS EXECUTIVE SUPERANNUATION FUND	PAYROLL DEDUCTIONS	496.35
DD17339.4	25/10/2022	PRIME SUPER	PAYROLL DEDUCTIONS	483.33
DD17339.5	25/10/2022	REST (RETAIL EMPLOYEES SUPERANNUATION TRUST)	PAYROLL DEDUCTIONS	864.33
DD17339.6	25/10/2022	BEATON FARMING CO SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	716.16
DD17339.7	25/10/2022	FIRST CHOICE EMPLOYER	SUPERANNUATION CONTRIBUTIONS	635.55
DD17339.8	25/10/2022	AUSTRALIAN SUPER	SUPERANNUATION CONTRIBUTIONS	2288.71
DD17339.9	25/10/2022	THE TRUSTEE FOR MACQUARIE SUPERANNUATION PLAN	SUPERANNUATION CONTRIBUTIONS	573.82
DD17339.10	25/10/2022	BT SUPER FOR LIFE ACCOUNT	SUPERANNUATION CONTRIBUTIONS	748.37
DD17339.11	25/10/2022	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS	582.28
DD17339.12	25/10/2022	BT PANORAMA SUPER	SUPERANNUATION CONTRIBUTIONS	537.22
TOTAL DIRECT DEBIT 17339				\$ 22,407.28
TOTAL DIRECT DEBITS				\$ 45,625.41

Payments made from the Municipal Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
BANK CHARGES				
	01/10/2022	WESTPAC BANK	BANK CHARGES	\$ 20.00
	01/10/2022	WESTPAC BANK	BANK CHARGES	\$ 472.23
	01/10/2022	WESTPAC BANK	BANK CHARGES	\$ 934.02
	01/10/2022	WESTPAC BANK	BANK CHARGES	\$ 7.50
			TOTAL BANK CHARGES	\$ 1,433.75

Payments made from the Trust Account for the Period 1st October 2022 to 31st October 2022
Presented to Council, 17th November 2022

CHQ/EFT	Date	Payee	Description	Amount
CHQ				
402667	24/10/2022	PUBLIC TRANSPORT AUTHORITY	TRANSWA TICKET SALES - SEPTEMBER 2022	\$ 720.25
402668	24/10/2022	SHIRE OF YILGARN	TRANSWA TICKET SALES COMMISSION - SEPTEMBER 2022	\$ 132.60
402669	27/10/2022	SHIRE OF YILGARN	PREPAYMENT OF RATES 2023/2024 FROM REMAINDER OF STAFF TRUST ACCOUNT	\$ 322.72
402670	27/10/2022	SHIRE OF YILGARN	OUTSTANDING RATES PAYMENT FROM THE REMAINDER OF STAFF TRUST ACCOUNT	\$ 200.00
TOTAL CHEQUES				\$ 1,375.57



Shire of Yilgarn

RECORDKEEPING PLAN

2022

TABLE OF CONTENTS

Introduction	4
1. Principle One: Proper and Adequate Records	6
1.1 Historical Background	6
1.2 Strategic Focus and Main Business Activity	6
1.3 Functions, including those outsourced	6
1.4 Major Stakeholders	7
1.5 Enabling Legislation	7
1.6 Legislation and Regulations Administered by the Shire of Yilgarn	7
1.7 Other Legislation Affecting the Shire of Yilgarn	7
1.8 Major Government Policy and/or Industry Standards	7
2. Principle Two: Policies and Procedures	8
2.1 Records Management Systems	8
2.2 Records Management Policy and Procedures	11
2.3 Certification of Policies and Procedures	13
2.4 Evaluation of Policies and Procedures	13
3. Principle Three: Language Control	14
3.1 Keyword for Councils Thesaurus Implemented	14
3.2 Thesaurus (other than Keyword for Councils) Implemented	14
3.3 File Plan / List of Subject Headings / List of Authorised Headings	14
3.4 Assessment of its Effectiveness	14
3.5 Identified Areas for Improvement	14
4. Principle Four: Preservation	15
4.1 Assessment of the Risks	15
4.1.1 On Site Storage	15
4.1.2 Offsite Storage	15
4.1.3 Storage of Archives	15
4.1.4 Storage of Backups	15
4.1.5 Quantity of Records	16
4.1.6 Security and Access	16
4.2 Assessment of the Impacts of Disasters	16
4.3 Strategies in Place for Prevention and Response	16
4.3.1 Vital Records Program	15
4.3.2 Back-up Procedures for Electronic Records	15
4.3.3 Security	15
4.3.4 Storage Reviews	16
4.3.5 Recovery of Lost Information	16
4.3.6 Identified Areas for Improvement	16
4.4 Identified Areas for Improvement	18
5. Principle Five: Retention and Disposal	19
5.1 General Disposal Authority for Local Government Records	19

5.2	Disposal of Source Records	19
5.3	Existing Ad Hoc Disposal Authorities.....	19
5.4	Existing Disposal Lists	19
5.5	Restricted Access Archives	19
5.6	Transfer of Archives.....	19
5.7	Non Transfer of Archives	19
5.8	Disposal Program Implemented	19
5.9	Authorisation for Disposal of Records	19
5.10	Identified Areas for Improvement.....	19
6.	Principle Six: Compliance	20
6.1	Staff Training, Information Sessions.....	20
6.2	Performance Indicators in Place	21
6.3	Agency's Evaluation.....	21
6.4	Annual Report	21
6.5	Identified Areas for Improvement.....	21
7.	SRC Standard 6: Outsourced Functions.....	22
7.1	Outsourced Functions Identified	22
7.2	Recordkeeping Issues included in Contracts.....	22
7.2.1	Planning.....	22
7.2.2	Ownership.....	22
7.2.3	Control	22
7.2.4	Disposal	23
7.2.5	Access	23
7.2.6	Custody.....	23
7.2.7	Contract Completion.....	23
7.3	Identified Areas for Improvement.....	23
<u>Appendices</u>		
Appendix 1 – Functions of the Shire.....		24
Appendix 2 – Legislation & Regulations Administered by the Shire, and Local Laws of the Shire.....		26
Appendix 3 – Other Legislation & Regulations Affecting the Operations of the Shire.....		28
Appendix 4 – Major Government & Industry Standards.....		29
Appendix 5 – Records Management Policy		30
Appendix 6 – Copy of Shire of Yilgarn Central Filing System.....		39
Appendix 7 – Excerpt from Shire of Yilgarn 2020/2021 Annual Report.....		84
Appendix 8 – Excerpt from the Shire of Yilgarn Medical Agreement contract.....		85
Appendix 9 – Records Disaster Recovery Plan		86
Appendix 10 – Records Damage Sheet		87

Introduction

This document is presented to the State Records Commission in accordance with Section 28 of the *State Records Act 2000* (the Act). Section 28 (5) of that Act requires that no more than 5 years must elapse between approval of a government organization's Recordkeeping Plan and a review of it.

State Records Commission (SRC) Standard 1 – *Government Recordkeeping* requires that government organizations ensure that records are created, managed and maintained over time and disposed of in accordance with principles and standards issued by the SRC. SRC Standard 2 – *Recordkeeping Plans* comprises six recordkeeping principles each of which contains minimum compliance requirements.

The purpose of this Recordkeeping Plan is to set out the matters about which records are to be created by the Shire of Yilgarn and how it is to keep its records. The Recordkeeping Plan is to provide an accurate reflection of the recordkeeping program within the organization, including information regarding the organization's recordkeeping system(s), disposal arrangements, policies, practices and processes. The Recordkeeping Plan is the primary means of providing evidence of compliance with the Act and the implementation of best practice recordkeeping within the organization.

The objectives of the Shire of Yilgarn RKP are to ensure:

- Compliance with Section 28 of the *State Records Act 2000*;
- Recordkeeping within the Local Government is moving towards compliance with State Records Commission Standards and Records Management Standard AS ISO 15489;
- Processes are in place to facilitate the complete and accurate record of business transactions and decisions;
- Recorded information can be retrieved quickly, accurately and cheaply when required; and the
- Protection and preservation of the Local Government's records.

In accordance with Section 17 of the Act, the Shire of Yilgarn and all its employees are legally required to comply with the contents of this Plan.

This Recordkeeping Plan applies to all of the Shire of Yilgarn:

- Employees;
- Contractors;
- Organizations performing outsourced services on behalf of the Shire of Yilgarn; and
- Elected members.

NOTE: *The policy approach of the State Records Commission in monitoring the recordkeeping obligations in respect to Local Government elected members is:*

“In relation to the recordkeeping requirements of local government elected members, records must be created and kept which properly and adequately record the performance of member functions arising

from their participation in the decision making processes of Council and Committees of Council.

This requirement should be met through the creation and retention of records of meetings of Council and Committees of Council of local government and other communications and transactions of elected members which constitute evidence affecting the accountability of the Council and the discharge of its business.

Local governments must ensure that appropriate practices are established to facilitate the ease of capture and management of elected members' records up to and including the decision making processes of Council."

Local Governments are to address the management of elected members government records in accordance with this policy, in their Recordkeeping Plans.

This Recordkeeping Plan supersedes *RKP 2008* and applies to all records created or received by any of the above parties, regardless of:

- Physical format;
- Storage location; or
- Date created.

For the purposes of this RKP, a record is defined as meaning "any record of information however recorded" and includes:

- (a) anything on which there is writing or Braille;
 - (b) a map, plan, diagram or graph;
 - (c) a drawing, pictorial or graphic work, or photograph;
 - (d) anything on which there are figures marks, perforations, or symbols, having meaning for persons qualified to interpret them;
 - (e) anything from which images, sounds, or writings can be reproduced with or without the aid of anything else; and
 - (f) anything on which information has been stored or recorded, either mechanically, magnetically, or electronically."
- (State Records Act, 2000)*

1. Principle One: Proper and Adequate Records

Government organizations ensure that records are created and kept which properly and adequately record the performance of the organization's functions and which are consistent with any written law to which the organization is subject when performing its functions.

1.1 Historical Background

In 1891, the Yilgarn Road Board was gazetted. In 1918, it merged with the Municipality of Southern Cross (gazetted 1892). On 1 July 1961, it became the Shire Council following changes to the Local Government Act. The Shire of Yilgarn includes the town sites of Southern Cross, Bodallin, Moorine Rock, Bullfinch, Marvel Loch, Mt Hampton, Yellowdine, and Koolyanobbing.

The main administrative town is Southern Cross, founded by Tom Riseley and Mick Toomey who named the area after the Southern Cross constellation they used to navigate their way. All the streets within Southern Cross are named after stars and constellations. The Shire of Yilgarn encompasses over 30,720 square kilometers and has a population of approximately 1,600. The main industries are farming and mining.

1.2 Strategic Focus and Main Business Activity

Vision:-

We are a proud agricultural and mining-based economy, providing opportunities for our residents that will build an inclusive and prosperous community in the future. We are a resilient community best described by our moto "Good Country for Hardy People.

Mission:-

The Shire of Yilgarn will deliver quality services, facilities and representation in order to achieve our Vision.

Values:-

We will promote and enhance the following values in all our relationships with our community:

- Honesty** in our dealings
- Integrity** in our actions
- Consistency** in decision making
- Teamwork** in our operations
- Respect** to others and their decisions
- Caring** for people in our community
- Commitment** to decisions and roles
- Responsive** to the needs of others
- Effective Communication **with all**

1.3 Functions, including those outsourced

Refer to Appendix 1.

1.4 Major Stakeholders

The Shire of Yilgarn's major stakeholders are employees, ratepayers, residents, customers, general public and other relevant State and Federal Government agencies.

1.5 Enabling Legislation

The Shire of Yilgarn is established under the *Local Government Act 1995*.

1.6 Legislation and Regulations Administered by the Shire of Yilgarn

Refer to Appendix 2.

1.7 Other Legislation Affecting the Shire of Yilgarn

Refer to Appendix 3.

1.8 Major Government Policy and/or Industry Standards

Refer to Appendix 4.

2. Principle Two: Policies and Procedures

Government organizations ensure that recordkeeping programs are supported by policy and procedures.

2.1 Records Management Systems

The Shire replaced its previous paper-based system with the Synergy Soft records registration application in 2010/2011. This system was installed and set up by itVision, which continues to provide technical support. There are no plans to change the records management system again in the foreseeable future.

While the Shire uses an electronic system and digitizes records, hard copy paper files are also maintained by the Shire.

Correspondence capture and control –

The mail is collected from the Post Office by 9am daily, opened and sorted. Invoices and cheques are stamped with a “received” date stamp and passed on to either the Credit Officer or receptionist for processing. Any brochures/magazines or ephemeral mail is placed in the relevant person’s in tray. Any non-ephemeral mail for Councillors/Elected Members is Records Managed and placed in their pigeonholes in the Council Chambers awaiting next Council Meeting or earlier personal pick up. Any mail deemed important and requiring a more timely response will be forwarded to their home addresses and/or scanned in and emailed to them. All Shire letter correspondence is stamped with the records date stamp and records managed through entry into Synergy. A file number is chosen from the Central Filing System (refer to appendix 5) that corresponds with either the subject and/or correspondent of the record and is written on the record. Once the record entry is completed in Synergy a record number is generated through the system and written on the hard copy before being scanned in and attached to the electronic synergy entry. The hard copy is then filed under the relevant file number.

Assigned responsibility for classifying, indexing and registration is the responsibility of the Administrative Services Officer.

File titling and file numbering convention is completed as per the Shire of Yilgarn Central Filing System (refer appendix 5) by the Administrative Services Officer.

Mail Distribution - All correspondence is distributed on a daily basis; however e-mails are distributed as they are received. All incoming and outgoing mail is date stamped, given a file reference and record number and distributed to relevant staff members. This practice enables tracking of documents if required at a later date. The security measures in place are:

- if any matter requires discretion due to confidentiality, such as tenders or HR records they are dealt with accordingly.

- All tenders remain enveloped, are date stamped and placed in the locked tender box which only the managers have a key to.
- Access security levels are in place in the synergy record system with users being assigned different levels depending on their job within the Shire.
- Confidential hard copies are filed in locked, coded, fire proof cabinets that only the Administrative Services and HR Officers have access to.

File Creation and Closure is the responsibility of the Administrative Services Officer. All physical and electronic files are created according to the Central Filing System.

Access to Corporate Records of the Shire of Yilgarn by staff and contractors will be in accordance with designated access and security classifications. Access to the Shire of Yilgarn's records by the general public will be in accordance the Freedom of Information Act 1992. Access to the Shire of Yilgarn records by elected members will be via the Chief Executive Officer in accordance with the Local Government Act 1995. Electronic records can be accessed through all staff computers with a required password. Confidential records are only accessible to those with the higher security levels. Paper or hard copies are kept in the filing room located at the rear of the building. The room is not locked and is therefore accessible to all staff and no access to the public. All confidential records are kept in locked, coded, fire proof cabinets within the filing room and Human Resources Officers office.

Authorised disposal of temporary records and transfer of State archives to the State Records Office (SRO) – All records kept by the Shire of Yilgarn will be retained and disposed of in accordance with the General Disposal Authority for Local Government Records and will be the responsibility of the Administrative Services Officer.

Electronic records management – All electronic records are kept in the Synergysoft Central Records module.

E-mail Management – All emails are forwarded to the relevant manager and records managed through Synergy. In a similar procedure to hard copy records, the email is given a file number and the relevant manager is added as the internal correspondent. A record number is generated and the email is filed electronically.

Website Management – The Shire's website, www.yilgarn.wa.gov.au, is operated by the Shire and updated regularly or as needed by the CRC Co-Ordinator and/or Administrative Services Officer. The website was renovated in April 2017 to allow the Shire to have full autonomy on the content. Previously an external source was employed to do updates but now the process is much easier and immediate. The Shire of Yilgarn website is an information directory for residents and visitors to our district. It includes everything from

tourist information, local business directory, accommodation and events listings as well as monthly minutes, tenders and shire job vacancies. All content is approved by the CEO or Executive Management before being uploaded and all changes and updates are recorded in a log.

Metadata Management - Mail receipt procedures are as mentioned in *Correspondence capture and control* section and *E-mail Management* section.

Below is a screenshot of the synergy records management program showing the fields required to be entered for all hard copy correspondence.

Below is a screenshot of entry page of email correspondence showing all the fields required

System/s management – Synergy programs are used for all financial, rating and records management. All computers within the Shire of Yilgarn Administration Office have sign in passwords to turn them on and then another for signing into Synergy programs. The servers are backed up every night and the servers' discs are rotated and taken home by the Customer Service Officer - Reception on a daily basis. A live remote image of the data is located at the Shire Depot Administration building.

The modules in synergy and the officers that use them are:

- Financial – EMCS & Finance Manager
- Records – Administrative Services Officer
- Receipting & Dogs – Customer Service Officer - Reception
- Rates, Mapping & Debtors – Rates/Debtors Officer
- Creditors – Finance Officer

Migration Strategy – When an upgrade is done on our electronic computer system no data is lost. By swapping server discs every day this is ensured.

2.2 Records Management Policy and Procedures

The creation and management of records is coordinated by Shire of Yilgarn's Administrative Services Officer.

For the recordkeeping policy and procedures of the Shire of Yilgarn please refer to Appendix 5.

Table 2.1

Recordkeeping Activities for the management of hard copy records and covered in the Shire of Yilgarn's Policies and Procedures	YES	NO
Correspondence capture and control – including incoming and outgoing mail registration; responsibilities assigned for classifying, indexing and registration; file titling and file numbering conventions. Include specific provisions for capture and control of Elected Members' correspondence.	✓	
Digitization – including categories of records digitized; disposal of source records; digitization specifications. See <i>General disposal authority for source records</i> ; NB: <i>This procedure is only required where the organization intends to dispose of source records prior to the expiration of the approved minimum retention period after digitising.</i>	N/A	
Mail distribution – including frequency, tracking mechanisms and security measures.	✓	
File creation and closure – including assigned responsibility and procedures for both physical and automated file creation.	✓	
Access to corporate records – procedures for access to and security of corporate records.	✓	
Authorised disposal of temporary records and transfer of State archives to the State Records Office (SRO) – any assigned responsibilities.	✓	
Electronic records management – including the organization's approach and methodology for the capture and management of its electronic records (e.g. print and file, identification of the official record, use of EDRMS, hybrid system etc).	✓	
Email management – including the capture, retention and authorised disposal of email messages to ensure accountability. Should indicate whether the organization is utilising a document management system or hard copy records system (e.g. print and file, identification of the official record, use of EDRMS, hybrid system etc.)	✓	
Website management – i) including guidelines to determine which is the complete and accurate record, particularly in regard to the purpose of the site (e.g. whether informational/transactional). ii) Responsibility for the website and strategies implemented for the management of the website over time, including capture of periodic snapshots of the site and mechanisms for recording website amendments.	✓	
Metadata management – including authority for the capture and control of metadata.	✓	

Recordkeeping Activities for the management of hard copy records and covered in the Shire of Yilgarn's Policies and Procedures	YES	NO
System/s management – including any delegations of authority for the control and security of systems utilised by the organization (e.g. provision of access to systems through individual logins and passwords, protection of servers etc).	✓	
Migration strategy – strategies planned or in place for migrating information and records over time (e.g. through upgrades in hardware and software applications, and any assigned responsibilities) for long-term retention and access. <i>See Public Records Policy: 8 – Policy for the ongoing management of electronic records designated as having archival value.</i>	✓	

2.3 Certification of Policies and Procedures

Evidence of formal authorisation that the policies and procedures are in place and promulgated throughout the Shire of Yilgarn is provided by the copy of the certification document signed by the CEO. Please refer to Appendix 5.

2.4 Evaluation of Policies and Procedures

The recordkeeping policies and procedures for the Shire of Yilgarn cover all categories identified in Principle 2 of SRC Standard 2 and are assessed as operating efficiently and effectively across the Shire of Yilgarn.

3. Principle Three: Language Control

Government organizations ensure that appropriate controls are in place to identify and name government records.

3.1 Keyword for Councils Thesaurus Implemented

Not applicable

3.2 Thesaurus (other than Keyword for Councils) Implemented

Not applicable

3.3 File Plan / List of Subject Headings / List of Authorised Headings

The Shire of Yilgarn has developed and implemented a Central Filing System/File Plan to control the titling of ALL Shire of Yilgarn records. The Central Filing System covers both administrative and functional records. (Refer to appendix 6)

3.4 Assessment of its Effectiveness

The *Central Filing System* operates well within the Shire of Yilgarn. It covers both administrative and functional activities of the Shire of Yilgarn, is available for use by all staff and information can be filed and found without difficulty. This tool will be adjusted to reflect changes to the functions and activities of the Shire of Yilgarn as may occur from time to time.

3.5 Identified Areas for Improvement

The Central Filing System has been shown to be adequate, however the Shire of Yilgarn, in the spirit of continuous improvement, will investigate the appropriateness and useability of the “*Keywords for Council*” file classification system.

Principle Four: Preservation

Government organizations ensure that records are protected and preserved

4.1 Assessment of the Risks

4.1.1 On Site Storage

The Shire of Yilgarn has its current, active records located onsite in the Shire of Yilgarn administration building. The storage facility includes:

- An electronic security system activated whenever the office is not attended;
- Smoke detectors and fire extinguishers;
- Air-conditioning;
- Metal filing cabinets and shelving;
- Access to all staff members
- 3 x locked, coded, fire proof cabinets for confidential and permanent records

The main disaster threatening records stored onsite comes from fire, flood and vandalism. With the storage conditions as described, the risk is assessed as low.

4.1.2 Offsite Storage

The Shire of Yilgarn has its non-current, inactive and archival records located in an offsite storage facility at the Shire Depot located on Arcturus Street, Southern Cross.

The offsite storage facility is refurbished office building which is locked at all times, and can only be accessed by authorised staff. The Depot yard is locked up each night and every weekend.

The main disaster threatening records stored at the offsite records storage facility comes from fire, flood and vandalism.

With the offsite storage conditions as described the risk is assessed as extremely low.

4.1.3 Storage of Archives

State archives in the custody of the Shire of Yilgarn are maintained in the best conditions available in accordance with the Directions for keeping hard copy State archives awaiting transfer to the State Records Office.

4.1.4 Storage of Backups

Electronic backups of the Shire of Yilgarn's computer records are rotated and the current disc is taken and held offsite at the residence of the Receptionist on a daily basis.

4.1.5 Quantity of Records

The Shire of Yilgarn has custody of approximately:

- 14 linear metres of temporary records stored onsite;
- 20 linear metres of temporary records stored offsite;
- 200 linear metres of State archives stored onsite & offsite; and
- 1.2 Tb of digital records/information/data.

4.1.6 Security and Access

Administrative staff and cleaning staff have keys which access the administrative area. The alarm system into the office administration asks for a security pin, which is unique to every employee, a form of traceability of entry and exiting. Only senior management staff have key access to the Shire Depot.

The overall risk assessment for security of records storage at both the administrative office and Shire Depot is assessed as low.

4.2 Assessment of the Impacts of Disasters

As stated previously, the risk of a disaster occurring to the records of the Shire of Yilgarn has been assessed as low. The impact of a disaster on the organization's records has therefore been assessed as low. There are sufficient strategies in place to ensure that business activities of the organization are not unduly affected in the event of the more likely disaster occurring.

4.3 Strategies in Place for Prevention and Response

The following strategies have been implemented by the Shire of Yilgarn in order to reduce the risk of disaster and for quick response should a disaster occur:

4.3.1 Vital Records Program

A vital records program has been developed for the Shire of Yilgarn. Vital records have been identified as Land Titles, lease documents, contracts, tender records and licenses.

Vital records in hard copy are stored in a locked, fire resistant safe or filing cabinet, accessible to the EMCS, Finance Manager, Finance Officer & Rates Officer. These records have been copied and the copies are placed on the relevant files and are used for all normal business activities. Vital records are managed using SynergySoft, as with other records.

4.3.2 Back-up Procedures for Electronic Records

Electronic records of the Shire of Yilgarn are backed up on five hard drives which are rotated every weekday with the current one taken home each night by the receptionist.

An off-site live data backup is located at the Shire of Yilgarn Depot Administration.

4.3.3 Preservation of Electronic Records

The Shire of Yilgarn has implemented the following processes to ensure that electronic records are accessible and readable for as long as required:

- Media used to store electronic information is periodically checked to ensure the information is accessible and readable;
- Digital storage media, including removable storage devices, is refreshed as necessary to prevent data loss; and
- Electronic records requiring long term retention are maintained in an appropriate format for long term preservation.

4.3.4 Security

The following security measures have been implemented by the Shire of Yilgarn to prevent unauthorized access to records:

- Hard copy records are stored in a room accessible only to staff (no public access).
- Hard copy records stored offsite are located in a locked building on Shire property.
- Electronic records have varying degrees of access depending on delegations assigned to staff within the organization. Electronic records are backed up on a regular basis as described previously.

4.3.5 Storage Reviews

The records storage facilities utilised by the Shire of Yilgarn are reviewed as required to ensure that conditions are appropriate for the organization's records.

4.3.6 Recovery of Lost Information

Backup and Recovery of Lost Information of the servers is performed by our IT Management Service, Perfect Computer Solutions (PCS). This is the procedure in place for this:

1. PCS run shadow copies of all major data drives to a separate internal drive in the servers on a twice a day staggered schedule (around 7AM and 12 midday) This gives a significant number of previous days history of backups which the Shire can quickly fall back to as necessary to a file level basis and recover from be it lost files or earlier versions.
2. Off-site live Network Attached Storage (NAS) Raid array is utilised to ensure data integrity and disaster recovery redundancies.
2. Off server backups are run each night for to a removable hard drive that also contains multiple copies of backups, the number being determined by the number of disks in rotation and the capacity of each drive.
3. It is the responsibility of the Shire of Yilgarn to ensure these backups are rotated and stored off site some distance from the Shire office to minimise risk. They should be to reasonable

levels protected from fire, heat, and mechanical damage - This is the responsibility of the receptionist.

4. Backup reports occur for each server to two people within the Shire, to IT support mailbox, and also one to another employee of PCS outside of the PCS email system.

For the recovery of hard copies of records a Disaster Management Plan has been put into place see appendix 9 for this.

4.4 Identified Areas for Improvement

Assessment of Risks and Impacts of Disasters and Recovery has been shown to be adequate.

Principle Five: Retention and Disposal

Government organizations ensure that records are retained and disposed of in accordance with an approved disposal authority.

5.1 General Disposal Authority for Local Government Records

The Shire of Yilgarn uses the General Disposal Authority for Local Government Records, produced by the State Records Office, for the retention and disposal of its records.

5.2 Disposal of Source Records

The Shire scans all hard copy correspondence and files it electronically. However, hard copies are not shredded after digitization and are kept on premises for the period of time specified in the General Disposal Authority.

5.3 Existing Ad Hoc Disposal Authorities

The Shire currently does not use Ad Hoc Disposal Authorities.

5.4 Existing Disposal Lists

The Shire currently does not use any Existing Disposal Lists.

5.5 Restricted Access Archives

The Shire of Yilgarn does not have any State archives to which it intends to restrict access when they are transferred to the SRO.

5.6 Transfer of Archives

The Shire of Yilgarn will transfer State archives to the State Archives Collection for permanent preservation when requested by the SRO.

5.7 Non-Transfer of Archives

The Shire of Yilgarn has not identified any State archives that will not be transferred to the SRO for permanent preservation.

5.8 Disposal Program Implemented

The Shire of Yilgarn has implemented the General Disposal Authority for Local Government Records and conducts a regular disposal program on an as needed basis.

5.9 Authorisation for Disposal of Records

Before any temporary records are destroyed or State archives are transferred to the SRO, a list of those records due for destruction or transfer is reviewed by the Chief Executive Officer and /or the Executive Manager Corporate Services and authorised for destruction or transfer.

5.10 Identified Areas for Improvement

The authorisation for disposal of records has been shown to be adequate but as the Shire of Yilgarn has not conducted a disposal program for some time it is identified as an area where improvement is needed.

4. Principle Six: Compliance

Government organizations ensure their employees comply with the record keeping plan.

6.1 Staff Training, Information Sessions

The Shire of Yilgarn has implemented the following activities to ensure that all staff are aware of their recordkeeping responsibilities and compliance with the Recordkeeping Plan:

- The Administrative Services Officer (officer with principal record keeping responsibilities) has undertaken records training provided by third party trainers and will continue to be provided with access to relevant training where necessary.
- Where necessary, the Administrative Services Officer or other suitably qualified officer, will provide training to all new staff in the registration of records utilizing ITVisions SynergySoft.
- All staff are required to acknowledge an understanding of the recordkeeping requirements of staff by endorsing a copy of the "Recordkeeping for Staff" procedures and requirements at commencement of employment and at least annually.
- Councillors are provided with a copy of the "Recordkeeping for Councillors" procedures and requirements on a monthly basis as part of their Council Meeting Agenda's.
- An internal training or induction regime for staff new to Local Government will be investigated and implemented.
- All first time Councillors will be provided with the opportunity to undertake suitable recordkeeping training.

Table 6.1

Activities to ensure staff awareness and compliance	YES	NO
Presentations on various aspects of the Local Government's recordkeeping program are conducted. These are delivered to all staff on a regular basis.		✓
In-house recordkeeping training sessions for staff are conducted.	✓	
From time to time an external consultant is brought in to run a recordkeeping training session for staff. Staff are also encouraged to attend training courses outside the organization whenever practicable.	✓	
Staff information sessions are conducted on a regular basis for staff as required.	✓	
The Shire of Yilgarn provides brochures or newsletters to publish recordkeeping information, highlight issues, or bring particular recordkeeping matters to staff attention.		✓
The Shire of Yilgarn's Intranet is used to publish recordkeeping information, highlight issues, or bring particular recordkeeping matters to staff attention.	N/A	

The Local Government's Induction Program for new employees includes an introduction to the Local Government's recordkeeping system and program, and information on their recordkeeping responsibilities.	✓	
--	---	--

Coverage of the training/information sessions as detailed here extends to all staff. However, records management staff are offered more frequent and more specialised training where required.

6.2 Performance Indicators in Place

The following performance indicators have been developed to measure the efficiency and effectiveness of the Shire of Yilgarn's recordkeeping systems:

- Monthly reports through Synergy Records are emailed to individual staff regarding their attention to records sent to them. This lets each staff member know if there are any outstanding records that they haven't attended to. These reports are also filed electronically and the EMCS is sent an email with a link to this file for their attention. If any staff fall behind in their records attention, they will be advised that improvement is required for the system to operate efficiently.

Further performance indicators will be developed to measure the efficiency and effectiveness of the Shire of Yilgarn's recordkeeping systems. It is planned to have these in operation before the next RKP review.

6.3 Agency's Evaluation

On the basis of response times, the recordkeeping system is assessed as being efficient and effective within the organization.

6.4 Annual Report

An excerpt from the Shire of Yilgarn's latest Annual Report is attached, demonstrating the organization's compliance with the *State Records Act 2000*. Please refer to Appendix 7.

6.5 Identified Areas for Improvement

Staff induction and performance indicators in records management have been identified to be inadequate and one on one basic training will now be provided to new staff upon commencement with the organisation.

SRC Standard 6: Outsourced Functions

The purpose of this Standard, established under Section 61(1)(b) of the State Records Act 2000, is to define principles and standards governing contracts or arrangements entered into by State organizations with persons to perform any aspect of record keeping for the organization.

State organizations may enter into contracts or other arrangements whereby an individual or an organization is to perform a function or service for the State organization, or act as the State organization's agent to deliver services to clients, or for the State organization's own use. The general term 'outsourcing' is used for such arrangements.

Contractual arrangements should provide that the contractor create and maintain records that meet the State organization's legislative, business and accountability requirements.

7.1 Outsourced Functions Identified

Refer to Appendix 1 for those functions outsourced.

7.2 Recordkeeping Issues included in Contracts

Refer to Appendix 8 for an example of clauses addressing recordkeeping issues in contracts for outsourced functions.

7.2.1 Planning

The Shire of Yilgarn includes the creation and management of proper and adequate records of the performance of the outsourced functions detailed above, in the planning process for the outsourced functions.

7.2.2 Ownership

The Shire of Yilgarn has ensured that the ownership of State records is addressed and resolved during outsourcing exercises. Where possible this will be included in the signed contract/agreement.

7.2.3 Control

The Shire of Yilgarn has ensured that the contractor creates and controls records in electronic or hard copy format, in accordance with recordkeeping standards, policies, procedures and guidelines stipulated by the Shire of Yilgarn.

7.2.4 Disposal

The disposal of all State records which are the product of or are involved in any contract/agreement with the Shire of Yilgarn and a contractor/agent will be disposed of in accordance with the General Disposal Authority for Local Government Records, produced by the State Records Office.

7.2.5 Access

Conditions for the provision of access to any State records produced in the course of the contract/agreement have been agreed between the Shire of Yilgarn and the contractor(s)/agent(s).

7.2.6 Custody

Custody arrangements between the Shire of Yilgarn and the contractor(s)/agent(s) for State records stored on and off site by the contractor are specified in the contract.

7.2.7 Contract Completion

All arrangements regarding record custody, ownership, disposal and transfer upon the completion of the contract(s)/agreement(s) are specified in the contract(s)/agreement(s).

7.3 Identified Areas for Improvement

Recordkeeping issues addressed in contracts for outsourced functions have been shown to be adequate and the Shire of Yilgarn has identified no areas where improvement is needed.

APPENDIX 1			
Functions of the Local Government			
<i>Function</i>	<i>Brief Description of LG Function</i>	<i>Performed by the LG Tick If Yes</i>	<i>Performed by an External Agency Tick If Yes</i>
Commercial Activities	The function of competing commercially or providing services to other local governments or agencies on a fee for service basis. Includes undertaking activities on a consultancy or contract basis.	✓	
Community Relations	The function of establishing rapport with the community and raising and advancing the Council's public image and its relationships with outside bodies, including the media and the public.	✓	
Community Services	The function of providing, operating or contracting services to assist local residents and the community.	✓	
Corporate Management	The function of applying broad systematic planning to define the corporate mission and determine methods of the LG's operation.	✓	
Council Properties	The function of acquiring, constructing, designing, developing, disposing and maintaining facilities and premises owned, leased or otherwise occupied by the LG.	✓	
Customer Service	The function of planning, monitoring and evaluating services provided to customers by the council.	✓	
Development & Building Controls	The function of regulating and approving building and development applications for specific properties, buildings, fences, signs, antennae, etc. covered by the Building Code of Australia and the Environment Protection Authority (EPA).	✓	
Economic Development	The function of improving the local economy through encouragement of industry, employment, tourism, regional development and trade.	✓	
Emergency Services	The function of preventing loss and minimising threats to life, property and the natural environment, from fire and other emergency situations.	✓	
Energy Supply & Telecommunications	The function of providing infrastructure services, such as electricity, gas, telecommunications, and alternative energy sources.		✓
Environmental Management	The function of managing, conserving and planning of air, soil and water qualities, and environmentally sensitive areas such as remnant bushlands and threatened species.	✓	
Financial Management	The function of managing the LG's financial resources.	✓	
Governance	The function of managing the election of Council representatives, the boundaries of the LG, and the terms and conditions for elected members.	✓	
Government Relations	The function of managing the relationship between the Council and other governments, particularly on issues which are not related to normal Council business such as Land Use and Planning or Environment Management.	✓	
Grants & Subsidies	The function of managing financial payments to the LG from the State and Federal Governments and other agencies for specific purposes.	✓	
Information Management	The function of managing the LG's information resources, including the storage, retrieval, archives, processing and communications of all information in any format.	✓	
Information Technology	The function of acquiring and managing communications and information technology and databases to support the business operations of the LG.	✓	

APPENDIX 1			
Functions of the Local Government			
Function	Brief Description of LG Function	Performed by the LG Tick If Yes	Performed by an External Agency Tick If Yes
Land Use & Planning	The function of establishing a medium to long term policy framework for the management of the natural and built environments.	✓	
Laws & Enforcement	The function of regulating, notifying, prosecuting, and applying penalties in relation to the Council's regulatory role.	✓	
Legal Services	The function of providing legal services to the LG.		✓
Parks & Reserves	The function of acquiring, managing, designing and constructing parks and reserves, either owned or controlled and managed by the LG.	✓	
Personnel	The function of managing the conditions of employment and administration of personnel at the LG, including consultants and volunteers.	✓	
Plant, Equipment & Stores	The function of managing the purchase, hire or leasing of all plant and vehicles, and other equipment. Includes the management of the LG's stores. Does not include the acquisition of information technology and telecommunications.	✓	
Public Health	The function of managing, monitoring and regulating activities to protect and improve public health under the terms of the Public Health Act, health codes, standards and regulations.	✓	
Rates & Valuations	The function of managing, regulating, setting and collecting income through the valuation of rateable land and other charges.	✓	
Recreation & Cultural Services	The function of LG in arranging, promoting or encouraging programs and events in visual arts, craft, music, performing arts, sports and recreation, cultural activities and services.	✓	
Risk Management	The function of managing and reducing the risk of loss of LG properties and equipment and risks to personnel.	✓	
Roads	The provision of road construction and maintenance of rural roads and associated street services to property owners within the LG area.	✓	
Sewerage & Drainage	The function of designing and constructing, maintaining and managing the liquid waste system, including drainage, sewerage collection and treatment, stormwater and flood mitigation works.	✓	
Traffic & Transport	The function of planning for transport infrastructure and the efficient movement and parking of traffic. Encompasses all service/facilities above the road surface and includes all forms of public transport.	✓	
Waste Management	The function of providing services by the LG to ratepayers for the removal of solid waste, destruction and waste reduction.	✓	
Water Supply	The function of managing the design, construction, maintenance and management of water supplies, either by the LG or by service providers.	✓	

APPENDIX 2 Legislation and Regulations that may be wholly or partly administered by Local Government, And Local Laws of the Local Government	
<i>Legislation, Regulations and Local Laws</i>	<i>Tick if YES, the LG administers</i>
Agriculture and Related Resources Protection Act 1976	✓
Building Regulations 2012	✓
Bush Fires Act 1954	✓
Bush Fire Regulations	✓
Caravan Parks and Camping Grounds Act 1995	✓
Caravan Parks and Camping Grounds Regulations 1997	✓
Dangerous goods safety Act 2004	✓
Disability Services Act 1993	✓
Dog Act 1976	✓
Dog Regulations	✓
Environmental Protection Act 1986	✓
Environmental Protection (Noise) Regulations 1997	✓
Food Act 2008	✓
Food Regulations 2009	✓
Hairdressing Establishment Regulations 1972	✓
Health Act 1911	✓
Health Regulations	✓
Heritage of Western Australia Act 1990	✓
Land Administration Act 1997	✓
Litter Act 1979	✓
Liquor Control Act 1988	✓
Local Government Act 1995	✓
Local Government (Miscellaneous Provisions) Act 1960	✓
Local Government Grants Act 1978	✓
Local Government Regulations	✓
Main Roads Act 1930	✓

APPENDIX 2 Legislation and Regulations that may be wholly or partly administered by Local Government, And Local Laws of the Local Government	
<i>Legislation, Regulations and Local Laws</i>	<i>Tick if YES, the LG administers</i>
Parks and Reserves Act 1895	✓
Planning and Development Act 2005	✓
Radiation Safety Act 1975	✓
Radiation Safety Regulations	✓
Rates and Charges (Rebates and Deferments) Act 1992	✓
Rights in Water and Irrigation Act 1914	✓
Residential Design Codes of WA 2010	✓
Road Traffic Act 1974	✓
Strata Titles Act 1985	✓
Telecommunications Act (Commonwealth) 1997	✓
Telecommunications (Low Impact Facilities) Determination 1997	✓
Transfer of Land Act 1893	✓
Valuation of Land Act 1978	✓
Waterways Conservation Act 1976	✓
Local Laws of the Shire of Yilgarn (as below)	✓
Shire of Yilgarn Health Local Laws 1997	✓
Shire of Yilgarn Trading in Public Places Local Law 1992	✓
Shire of Yilgarn Dogs Local Law 2017	✓
Shire of Yilgarn Fencing Local Law 2017	✓
Shire of Yilgarn Local Government (Council Meeting) Local Law 2017	✓

APPENDIX 3

**Other Legislation and Regulations affecting the functions and operations of the
Local Government**

<i>Other Legislation and Regulations</i>	<i>Tick If Yes</i>
Building Services (Registration) Act 2011	✓
Criminal Code 1913	✓
Electronic Transactions Act 2011	✓
Equal Opportunity Act 1984	✓
Evidence Act 1906	✓
Freedom of Information Act 1992	✓
Freedom of Information Regulations 1993	✓
Industrial Awards	✓
Industrial Relations Acts (State and Federal)	✓
Interpretation Act 1984	✓
Limitation Act 1935, 2005	✓
Work Health and Safety Act 2020	✓
Work Health and Safety Regulations 2022	✓
Parliamentary Commissioner Act 1971	✓
State Records Act 2000	✓
State Records (Consequential Provisions) Act 2000	✓
State Records Commission Principles & Standards 2002	✓
Swan and Canning River Management Act 2006	✓
Workers Compensation and Injury Management Act 1981	✓

APPENDIX 4**Government & Industry Standards and Codes of Practice that have been imposed upon or adopted by the Local Government**

<i>Government & Industry Standards and Codes of Practice</i>	<i>Tick if Yes</i>
Australian Accounting Standards	✓
Australian Records Management Standard ISO/AS 15489-2002 Parts 1 & 2	✓
General Disposal Authority for Local Government Records	✓
National Competition Policy	✓
Other Please detail any additional items below	

Council Policy Manual

6.11 Records Management

LAST REVIEW DATE: SEPTEMBER 2022

DUE FOR REVISION: SEPTEMBER 2023

Policy Objective

The purpose of this policy is to provide guidance and direction on the creation and management of records and to clarify responsibilities for recordkeeping within the Shire of Yilgarn.

This policy and related recordkeeping guidelines are the framework for ensuring records are created and retained appropriately to meet accountability requirements, legislative compliance and adherence to best practice standards.

Policy statement

Records are recognised as an important information resource within the Shire of Yilgarn, and it is accepted that sound records management practices will contribute to the overall efficiency and effectiveness of the organisation.

The effective management of records will also:

- Protect the interests of the Shire of Yilgarn and the rights of its employees, customers and stakeholders
- Support informed decision making
- Provide evidence of achievements
- Increase efficiency in administration and service delivery across the organisation

1 Ownership

All records created or received during the course of business belong to the Shire of Yilgarn not to the individuals who created them.

All contractual arrangements will ensure the Shire's ownership of records.

2 Creation of Records

All employees, contractors and elected members will ensure that full and accurate records are created to provide evidence of business transactions and decisions and that these records will be registered in the Shire of Yilgarn's recordkeeping system.

3 Capture and Control of Records

All records created and received in the course of Shire business will be captured at the point of creation (wherever possible), regardless of format, with required metadata into

the recordkeeping system or appropriate business system.

Records created when using social media applications will also be captured in the Shire of Yilgarn's recordkeeping system.

Records will not be maintained in email folders, shared drives, personal drives, external storage media or personal cloud services (such as Dropbox, OneDrive, Box, Google Drive), as these lack the necessary functionality to protect business information and records over time.

4 Security and Protection of Records

Records will be maintained in a safe and secure environment ensuring their usability, reliability, authenticity and preservation for as long as they are needed.

Records will not be removed from the Shire's sites unless in accordance with the approved retention and disposal schedule, they are being transferred to the Shire's archive storage, or they are in the custody of an officer performing official business. It is preferred that wherever possible only copies of records are removed by those officers performing official business.

5 Access to Records

Access to the Shire's records by staff and contractors will be in accordance with designated access and security classifications and in accordance with the requirements of their role.

Access to the Shire's records by the general public will be in accordance with the *Local Government Act 1995* and the *Freedom of Information Act 1992*.

Access to the Shire's records by Elected Members will be via the Chief Executive Officer in accordance with the *Local Government Act 1995*.

6 Appraisal, Retention and Disposal of Records

All records kept by the Shire of Yilgarn will be disposed of in accordance with the General Disposal Authority for Local Government Records, published by the State Records Commission of Western Australia.

Staff and Elected Members must not personally undertake destruction of any records.

Records identified for destruction will be subject to review and approval by the Chief Executive Officer and Executive Manager Corporate Services.

Copies/duplicates may be disposed of after use by staff and Elected Members ensuring any such records that contain personally identifiable information or

information that is not publicly available are returned to the Chief Executive Officer or Executive Manager Corporate Services for secure disposal.

6 Roles and Responsibilities

7.1 Elected Members

Elected Members will create and keep records of communications or transactions which convey information relating to the Shire's business or functions. These records will be forwarded to the Administrative Services Officer for capture into the Shire's recordkeeping system.

7.2 Chief Executive Officer

The Chief Executive Officer will ensure there is a system for the capture and management of records that is compliant with the *State Records Act 2000* and best practice standards.

7.3 Executive and Managers

Executive and managers will ensure that all staff (and contractors) under their supervision comply with this policy, associated records management procedures/guidelines and the Shire of Yilgarn's Recordkeeping Plan.

7.4 All Staff

All staff (including contractors) will create and receive records relating to the business activities they perform and are required to:

- 7.4.1 Make records to document and support business activities.
- 7.4.2 Ensure that records are captured and registered into the recordkeeping system or appropriate business system
- 7.4.3 Ensure that records are secure at all times.

8 **Legislation and Standards**

Legislation and standards applicable to recordkeeping in Western Australian Local Government organisations include:

- 8.1 State Records Act 2000
- 8.2 Corruption and Crime Commission Act 2003
- 8.3 Criminal Code Act Compilation Act 1913
- 8.4 Electronic Transactions Act 2011
- 8.5 Evidence Act 1906
- 8.6 Freedom of Information Act 1992
- 8.7 Interpretation Act 1984
- 8.8 Local Government Act 1995
- 8.9 State Records Commission: Principles and Standards
- 8.10 Australian Standard on Records Management: AS ISO 15489

Definitions

9.1 Record

A record is information recorded in any form that is created, received and maintained by an organisation in the course of conducting its business activities

and kept as evidence of such activity.

A record may have any or all of the following attributes:

- 9.1.1 Information which is of evidentiary or historical value and is not recorded elsewhere;
- 9.1.2 Formal communications and/or transactions between officers or between an officer and another party; or
- 9.1.3 It may document the rationale behind organisational policy, decisions or directives.

9.2 Ephemeral Records

Ephemeral records are duplicated records and/or those that have only short-term value to the Shire of Yilgarn, with little or no ongoing administrative, legal, fiscal, evidential or historical value. They may include insignificant drafts and rough notes, or records of routine enquiries.

9.3 Recordkeeping Plan

The Recordkeeping Plan ensures that records are created, managed and maintained over time and disposed in accordance with legislation. It is the primary means of providing evidence of compliance with the *State Records Act 2000*. All government organisations must have a Recordkeeping Plan that is approved by the State Records Commission.

9.4 General Disposal Authority (GDA)

The General Disposal Authority for Local Government records (the schedule) is designed to provide consistency throughout Local Government in disposal activities and decisions. It is a continuing authority for the disposal and archival of records which document a Local Government's operations.

9.5 Personally Identifiable Information (PII)

PII refers to information, or an opinion, that can be used to distinguish or trace an individual's identity, either alone or when combined with other personal or identifying information that is linked or linkable to a specific individual, whether the information or opinion is true or not; and whether the information or opinion is recorded in a material form or not.

RECORDS MANAGEMENT

Guidelines for Elected Members

Introduction

Elected members have a unique and pivotal role within the local government and the community. They represent the interests of electors, residents and ratepayers, participate in local government decision making at council and committee meetings, and facilitate communication between the community and the Council.

The State Records Commission policy regarding the records of local government elected members requires the creation and retention of records of the:

“...communications and transactions of elected members which constitute evidence affecting the accountability of the Council and the discharge of its business.”

This policy applies regardless of a record's format or where it was received.

Under the *Local Government Act 1995*, the CEO of a local government is responsible for ensuring that all records of that local government are kept in accordance with relevant legislation. Accurately created and managed records provide reliable, legally verifiable evidence of decisions and actions.

Records created or received by elected members that relate to local government business must be captured as part of the local government's corporate memory in accordance with the local government's Recordkeeping Plan.

What is a record?

A **record** can be defined as any record of information, in any medium, including letters, files, emails, word processed documents, databases, photographs, text messages, and social media posts relevant to the business of the organization. **Government records** are those records created or received by a government organization, or by an employee or contractor in the course of their work for that organization.

Why do I need to keep records?

Records provide evidence of what an organization has done, and why. Keeping records of business activity enables an organization to account for its actions, meet legislative requirements, and make informed and consistent decisions.

Government records include:

- Correspondence and communications

- File notes made after verbal communications, meetings, phone calls etc.
- Video and audio recordings
- Photographs
- Email
- Social Media posts (e.g. Facebook, Twitter)
- Databases
- Websites
- Messages from Apps (e.g. WhatsApp, Messenger)
- TXT messages

When to create and capture a record:

- Information is related to council business
- An action is required
- A decision or commitment is made
- Business need: for future reference by yourself or others
- Historical: identifies Council activity over time.

Which records should be captured?

YES – forward to your local government administration
<p>Communications, such as:</p> <ul style="list-style-type: none"> • complaints and compliments • correspondence concerning corporate matters • submissions, petitions and lobbying • information for Council's interest relating to local government business activity and functions
<p>Lobbying – correspondence or petitions, relating to lobbying matters</p>
<p>Telephone, meetings and other verbal conversations – regarding local government projects or business activities</p>
<p>Social Media – where the posts:</p> <ul style="list-style-type: none"> • create interest from the public or media • communicate decisions or commit the local government to an action • seek feedback • address issues of safety, and/or • relate to sensitive or contentious issues
<p>Work diaries / Appointment books – containing information that may be significant to the conduct of the elected member on behalf of the local government</p>
<p>Allowances, benefits and gifts records</p>
<p>Addresses / Speeches / Presentations – delivered as part of an elected member's official duties</p>

NO – do not need to be forwarded to your local government
Duplicate copies – of Council meeting agenda, minutes and papers
Draft documents or working papers – which are already captured at the local government
Publications – such as newsletters, circulars and journals
Invitations – to community events where an elected member is <i>not</i> representing Council or the local government
Telephone, meetings and other verbal conversations which: <ul style="list-style-type: none"> • convey routine information only; or • do not relate to local government business or functions
Electioneering – or party-political information
Personal records – not related to an elected member's official duties

Confidential Documents / Records

Records held within an information management system (IMS) or on hard copy files can be restricted so that only the appropriate officers can access them. If the elected member believes that some of the documentation required for capture into the IMS is of a highly sensitive or confidential nature, the Elected Member should advise the CEO to treat the information as confidential and restrict access to those records.

What do I do with records once they are created?

Records of business activity should be entered into Councils official recordkeeping system by forwarding them to Councils Administrative Services Officer (ASO) for processing, confidential records should be forwarded to the CEO.

By doing this, records relating to particular work matters are kept together and are available for all relevant staff to refer to.

RECORDS MANAGEMENT

Guidelines for Staff

Introduction

The *State Records Act 2000* (the Act) governs recordkeeping within State and local government organizations in Western Australia. Under the Act, every employee of a government organization (including temporary staff and contractors) will have some responsibility for creating and keeping records relating to their work.

What is a record?

A **record** can be defined as any record of information, in any medium, including letters, files, emails, word processed documents, databases, photographs, text messages, and social media posts relevant to the business of the organization. **Government records** are those records created or received by a government organization, or by an employee or contractor in the course of their work for that organization.

Why do I need to keep records?

Records provide evidence of what an organization has done, and why. Keeping records of business activity enables an organization to account for its actions, meet legislative requirements, and make informed and consistent decisions.

What are my responsibilities as a government employee?

Every employee of a government organization (including temporary staff, contractors and consultants) has a responsibility to create records of their work for the government organization. While specific responsibilities will differ depending on the work role, employees should ensure that records of their activities, transactions and decisions are captured onto the official record.

When should I create a record?

A record should be created when an activity or transaction takes place, or a decision is made, which relates to the organization's business activity. If you are not sure whether to create a record, **ask yourself:**

- Does the matter relate to my work?
- Did I write, receive or send this in the course of my work?
- Is action required?
- Is this something I have used to do my work or to reach a decision?
- Will I need this information again?
- Will someone else need this information at some stage?

If the answer is “**yes**” to any one of these questions, a record should be created. Examples of records might include:

- Meeting agenda and minutes
- A file note of a meeting to discuss a specific issue
- A memo on a rate assessment noting a phone conversation
- An email from a manager, authorising purchase of an item
- A letter sent to a client in response to a query
- An email raising a workplace safety issue
- A social media post about changes to the organisation’s services

What do I do with records once they are created?

Records of business activity should be entered into Councils official recordkeeping system by the employee generating the record or forwarded to Councils Administrative Services Officer (ASO) for processing.

By doing this, records relating to particular work matters are kept together and are available for all relevant staff to refer to.

How long do I need to keep records?

Records can only be disposed of in accordance with a disposal authority that has been approved by the State Records Commission. It is illegal to dispose of records unless authorized to do so.

FILE NUMBER	FILE DESCRIPTION
1.	ADMINISTRATION
1.1.	PERSONNEL
1.1.1	INTERNAL OFFICERS
1.1.1.1	CHIEF EXECUTIVE OFFICER (CEO)
1.1.1.2	DEPUTY CHIEF EXECUTIVE OFFICER (DCEO)
1.1.1.3	MANAGER FOR WORKS (WORKS)
1.1.1.4	PRINCIPAL ENVIRONMENTAL HEALTH OFFICER / BUILDING SURVEYOR (EHO)
1.1.1.5	SENIOR FINANCE OFFICER (SFO)
1.1.1.6	PROJECT OFFICER
1.1.1.7	RATES OFFICER (RO)
1.1.1.8	CUSTOMER SERVICE OFFICER (CSO)
1.1.1.9	ADMINISTRATIVE SERVICES OFFICER (ASO)
1.1.1.10	ADMINISTRATION OFFICER (ADMIN)
1.1.1.11	NATURAL RESOURCE MANAGEMENT OFFICER (NRMO)
1.1.1.12	MEDICAL CENTRE STAFF
1.1.1.13	TRAINEE - FINANCE OR ADMINISTRATION
1.1.1.14	CRC CO-ORDINATOR (CRCS)
1.1.1.15	CRC SUPPORT OFFICER (CRC SO)
1.1.1.16	FINANCE MANAGER
1.1.1.17	CREDITOR OFFICER
1.1.1.18	ASSET MANAGEMENT OFFICER
1.1.1.19	EXECUTIVE MANAGER REGULATORY SERVICES
1.1.1.20	MANAGER COMMUNITY SERVICES
1.1.1.21	CRC TRAINEE
1.1.1.22	FINANCE OFFICER
1.1.1.23	EXECUTIVE MANAGER CORPORATE SERVICES
1.1.1.24	EXECUTIVE ASSISTANT
1.1.1.25	EXECUTIVE MANAGER INFRASTRUCTURE
1.1.2	EXTERNAL OFFICERS
1.1.2.1	BUILDER
1.1.2.2	CLEANERS
1.1.2.3	CONSTRUCTION FOREMAN & CREW
1.1.2.4	SHORT TERM EMPLOYEES
1.1.2.5	RECREATION CENTRE CURATOR
1.1.2.6	SWIMMING POOL MANAGER
1.1.2.7	WORKS SUPERVISOR
1.1.2.8	WORKSHOP FOREMAN
1.1.2.9	SKELETON WEED OFFICERS
1.1.2.10	APPRENTICE
1.1.2.11	WORKS STAFF
1.1.2.12	PARKS AND GARDENS STAFF
1.1.2.13	CARAVAN PARK CARETAKERS
1.1.3	POSITIONS VACANT
1.1.3.1	WORK EXPERIENCE
1.1.3.2	UNSOLICITED APPLICATIONS
1.1.5	OCCUPATIONAL HEALTH AND SAFETY
1.1.5.1	GENERAL CORRESPONDENCE
1.1.5.2	TOOL BOX MEETINGS MINUTES

FILE NUMBER	FILE DESCRIPTION
1.1.5.3	ACCIDENT AND INCIDENT REPORTS
1.1.5.4	OHS COMMITTEE
1.1.5.5	GREAT EASTERN WHEATBELT SAFETY ADVISORS GROUP (GEWSAG) MEETING MINUTES
1.1.6	PUBLIC INTEREST DISCLOSURE
1.1.6.1	PUBLIC INTEREST DISCLOSURE ACT
1.1.7	SALARIES AND AWARDS
1.1.7.1	AWARDS - GENERAL
1.1.7.2	EQUAL EMPLOYMENT OPPORTUNITIES - GENERAL
1.1.7.3	EQUAL EMPLOYMENT OPPORTUNITIES - RETURNS
1.1.7.4	LOCAL GOVERNMENT INDUSTRY AWARD 2010
1.1.7.5	LOCAL GOVERNMENT OFFICERS (WA) AWARD 1975
1.1.7.6	MUNICIPAL EMPLOYEES AWARD (LEAVE ENTITLEMENTS AND RDO'S)
1.1.7.7	MUNICIPAL OUTSIDE WORKERS (COUNTRY DISTRICTS)
1.1.7.8	SALARIES
1.1.7.9	UNION CORRESPONDENCE
1.1.7.10	WORKPLACE AGREEMENT (DEPOT)
1.1.7.11	WORKPLACE SOLUTIONS UPDATES
1.1.7.12	EMPLOYEES COLLECTIVE AGREEMENT
1.1.7.13	STAFF SOCIAL CLUB
1.1.7.14	SHIRE OF YILGARN ENTERPRISE AGREEMENT
1.1.8	STAFF TRAINING
1.1.8.1	CONFERENCES AND SEMINARS
1.1.8.2	GENERAL CORRESPONDENCE
1.1.9	SUPERANNUATION
1.1.9.1	GENERAL CORRESPONDENCE
1.1.9.2	TASPLAN
1.1.9.3	WA LOCAL GOVERNMENT SUPERANNUATION (WALGS)
1.1.9.4	WEST SCHEME
1.1.10	EMPLOYEE PERSONNEL FILES (APPROVED ACCESS ONLY)
1.1.10.1	JEFF SOWIAK
1.1.10.2	VIVIENNE PICCOLI
1.1.10.3	MEGAN BUTCHER
1.1.10.4	JOANNE GUERINI
1.1.10.5	RONICE BLAIR
1.1.10.6	MICHELE DAY
1.1.10.7	MONICA FAIRLESS
1.1.10.8	REBECCA MADDOCK
1.1.10.9	ROBERT DELLA BOSCA
1.1.10.10	WENDY DALLYWATER
1.1.10.11	SANDRA CIABARRI
1.1.10.12	MARGARET PASINI
1.1.10.13	BEVERLY GUERINI
1.1.10.14	FAY GUERINI
1.1.10.15	JODIE KARRA
1.1.10.16	ANDREW CUFFE
1.1.10.17	ADRIANUS BOERS
1.1.10.18	URSULA CUFFE

FILE NUMBER	FILE DESCRIPTION
1.1.10.19	ROBERT BOSENBERG
1.1.10.20	NOEL TEALE
1.1.10.21	WILLIAM WINCH-BUIST
1.1.10.22	TROYE BRUNALLI
1.1.10.23	JOSEPH KARRA
1.1.10.24	THELMA TAYLOR
1.1.10.25	MICHAEL HARPER
1.1.10.26	ANTHONY KARRA
1.1.10.27	GERALD COLLINS
1.1.10.28	LANCE DIXON
1.1.10.29	GILBERT FOSTER
1.1.10.30	PETER GUERINI
1.1.10.31	ALAN HITCHCOCK
1.1.10.32	MALCOLM TEALE
1.1.10.33	RODNEY SEWELL
1.1.10.34	ALLAN NEWBURY
1.1.10.35	JEAN STAMPALIJA
1.1.10.36	BRIAN WREN
1.1.10.37	ADAM COUTIS
1.1.10.38	THOMAS LIGHT
1.1.10.39	LOUISE NEILSON
1.1.10.40	STACEY BARBER
1.1.10.41	SUE BOSENBERG
1.1.10.42	GEORGIA BLAIR
1.1.10.43	SHARNEE KENT
1.1.10.44	CHANTELLE PAUST
1.1.10.45	IMOGEN DIVITINI
1.1.10.46	JENNA CARLSON
1.1.10.47	ADEN GREENSILL
1.1.10.48	CHRISTY-LEE GALBRAITH
1.1.10.49	MARK ARNOLD
1.1.10.50	PHILLIP SMITH
1.1.10.51	JAMIE-LEE ALLIBAND
1.1.10.52	NICOLE ASH
1.1.10.53	SAMUAL ROUND
1.1.10.54	DANIEL BREARLEY
1.1.10.55	ADAM SEILER
1.1.10.56	DIANNE GRAMMER
1.1.10.57	STEPHANIE SMYLIE
1.1.10.58	RAYMOND COLLINS
1.1.10.59	JESSINA ATCHAMAH
1.1.10.60	JOAN GRAY
1.1.10.61	TINA SPENCER
1.1.10.62	ROMIKA RAM
1.1.10.63	MIA DOHNT
1.1.10.64	SHANE FREESTONE
1.1.10.65	HARRISON COUTIS
1.1.10.66	UWE HENRY RAUSCH
1.1.10.67	ROBYN DOWNES
1.1.10.68	MICHAEL BENNETT
1.1.10.69	YVETTE DALGETTY
1.1.10.70	MARY-JANE ROJO
1.1.10.71	ANNA GLEADELL
1.1.10.72	MATHEW HODSON
1.1.10.73	MELINDA SWARBRICK
1.1.10.74	SARAH BURNS-BRIGGS
1.1.10.75	TAMMY COLLINS

FILE NUMBER	FILE DESCRIPTION
1.1.10.76	REBECCA STOKES
1.1.10.77	JOHN CIABARRI
1.1.10.78	CULLEN KARRA
1.1.10.79	RAYMOND SWEET
1.1.10.80	LISA SWEET
1.1.10.81	DIANE DELLA BOSCA
1.1.10.82	JOHN BINGHAM
1.1.10.83	TRISTAN GAUNT
1.1.10.84	MATTHEW BROOKS
1.1.10.85	HAYDEN WATTS
1.1.10.86	LAURA DELLA BOSCA
1.1.10.87	EDWIN PIPER
1.1.10.88	TAMMY BROOKS
1.1.10.89	PETER GORDON
1.1.10.90	DEBRA GORDON
1.1.10.91	KIRA BURNS-BRIGGS
1.1.10.92	NAOMI MCMILES
1.1.10.93	RON GOODHILL
1.1.10.94	TRACEY DOBSON
1.1.10.95	EDWARD GARNER
1.1.10.96	GARY (JOEL) KENT
1.1.10.97	TERRY TRELOAR
1.1.10.98	GINA FORRESTER
1.1.10.99	BRIAN JONES
1.1.10.100	LEIGH DAL BUSCO
1.1.10.101	AARON BONNETT
1.1.10.102	ALAN CLARKE
1.1.10.103	DOROTHY SNOW
1.1.10.104	NALUKUI MWALE
1.1.10.105	CHRISTINE ANGELIDES
1.1.10.106	ELLEN GERICK
1.1.10.107	NICHOLAS WARREN
1.1.10.108	JENNIFER GEMUND
1.1.10.109	KYLE CARLSON
1.1.10.110	BRENDAN MARTIN
1.1.10.111	GARY STEWART
1.1.10.112	DIANNA EVANS
1.1.10.113	KAYLA CUFFE
1.1.10.114	CHLOE EATTS
1.1.10.115	ROBERT (DAVID) CARLSON
1.1.10.116	KEVIN GERICK
1.1.10.117	GRAEME (JACK) BEATON
1.1.10.118	ZANE ROSS
1.1.10.119	CAMERON WATSON
1.1.10.120	NICOLA GRANICH
1.1.10.121	BEAU WHITE
1.1.10.122	PETRUS JONKER
1.1.10.123	NATHAN EATTS - (CHANGED HIS NAME TO NATHAN PARK)
1.1.10.124	RAY HOOPER
1.1.10.125	ROBERT POWNALL
1.1.10.126	PAUL (GINGE) COBDEN
1.1.10.127	CHLOE HARVEY
1.1.10.128	PASCOE DURTANOVICH
1.1.10.129	PETER CLARKE
1.1.10.130	JODIE COBDEN
1.1.10.131	PATHIWE (PATTI) MUDAU
1.1.10.132	RYAN WHITE

FILE NUMBER	FILE DESCRIPTION
1.1.10.133	LISA BOSO
1.1.10.134	KIM CHRISP
1.1.10.135	MOLLY PHILIPPS
1.1.10.136	ANNETTE TOBIN
1.1.10.137	CHARLES DIXON
1.1.10.138	NEIL HASSETT
1.1.10.139	MARIA TERESITA POTTER (MAYETTE)
1.1.10.140	CHAYCE PEARCE
1.1.10.141	KERRY THORNILEY
1.1.10.142	GRAYSON HINDMARSH
1.1.10.143	WESLEY FURNEY
1.1.10.144	RAYMOND PEARCE
1.1.10.145	PETRINA FURNELL
1.1.10.146	JENIFFER FRANCIS
1.1.10.147	ONIDA TRURAN
1.1.10.148	SARAH POLLARD
1.1.10.149	BENJAMIN FORBES
1.1.10.150	ASHLEE FREESTONE
1.1.10.151	LAURIE DIVITINI
1.1.10.152	SHANE CHAMBERS
1.1.10.153	GLEN BRIGG
1.1.10.154	KEVIN DALGETTY
1.1.10.155	MALCOLM TABNER
1.1.10.156	KATHLEEN BRIGG
1.1.10.157	JOSHUA HOLMAN
1.1.10.158	HARLEY BAUGHEN
1.1.10.159	SHANAE BRUNALLI
1.1.10.160	MARK PEARCE
1.1.10.161	ADRIAN WEBLEY
1.1.10.162	TIARAH COTTER
1.1.10.163	ADRIAN SPENCER
1.1.10.164	NOEL POTTER
1.1.10.165	ANNE HANRETTY
1.1.10.166	THEA CHRISP
1.1.10.167	DEBRA JACKSON
1.1.10.168	MARK CULLEN
1.1.10.169	KYLIE MARSHALL
1.1.11	COUNCIL
1.1.11	ADMINISTRATION OPERATIONS
1.1.11.1	ORGANISATION STRUCTURE
1.1.11.2	RECRUITMENT
1.1.11.3	PAYROLL
1.1.11.4	APPRENTICESHIP AND TRAINEESHIPS
1.1.12	GOVERNANCE
1.1.12.1	USE OF COMMON SEAL
1.1.12.2	WORKFORCE PLANNING
1.1.12.3	RISK MANAGEMENT
1.1.12.4	REVIEW OF INTERGRATED STRATEGIC PLANS
1.1.12.5	SAFE WORK METHOD STATEMENTS AND SAFE WORK PROCEDURE
1.2.	BOUNDARIES, STATISTICS, SURVEYS AND COMPLAINTS
1.2.1	BOUNDARIES

FILE NUMBER	FILE DESCRIPTION
1.2.1.1	BOUNDARIES - GENERAL
1.2.1.2	BUSH FIRE ZONE BOUNDARIES
1.2.1.3	ELECTORAL BOUNDARIES
1.2.1.4	LOCAL GOVERNMENT BOUNDARIES - STRUCTURAL REFORM AND AMALGAMATIONS
1.2.1.5	OTHER AUTHORITY BOUNDARIES
1.2.1.6	WARD BOUNDARIES
1.2.2	COMPLAINTS
1.2.2.1	GENERAL
1.2.2.2	NOISE COMPLAINTS
1.2.3	STATISTICS
1.2.3.1	AUSTRALIAN BUREAU OF STATISTICS - GENERAL CORRESPONDENCE
1.2.3.2	STATISTICS - GENERAL
1.2.3.3	STATISTICS - RETURNS
1.2.3.4	OTHER STATISTICS
1.2.3.5	CARAVAN PARK STATISTICS
1.2.4	SURVEYS
1.2.4.1	SURVEYS - COMMUNITY
1.2.4.2	SURVEYS - CUSTOMER
1.2.4.3	SURVEYS - GENERAL
1.2.4.4	SURVEYS - LOCAL GOVERNMENT
1.3	COMMUNITY, RECREATION AND HEALTH SERVICES
1.3.1	COMMUNITY AWARDS AND ACKNOWLEDGEMENTS
1.3.1.1	LETTERS OF SUPPORT, RECOMMENDATION AND CONGRATULATIONS
1.3.1.2	OTHER AWARDS
1.3.1.3	TIDY TOWNS
1.3.1.4	VOLUNTEER AWARDS
1.3.1.5	WAR MEMORIALS
1.3.1.6	YILGARN HALL OF FAME
1.3.2	COMMUNITY HALLS
1.3.2.1	BODALLIN HALL
1.3.2.2	BULLFINCH HALL
1.3.2.3	MARVEL LOCH HALL
1.3.2.4	MOORINE ROCK HALL
1.3.2.5	MT HAMPTON HALL
1.3.2.6	SOUTHERN CROSS HALL/COMMUNITY CENTRE
1.3.2.7	OTHER
1.3.3	COMMUNITY ORGANISATIONS
1.3.3.1	CHURCH GROUPS
1.3.3.2	COUNTRY WOMEN'S ASSOCIATION (CWA)
1.3.3.3	DAYCARE/PLAYGROUP
1.3.3.4	MARVEL LOCH PROGRESS ASSOCIATION
1.3.3.5	MENS SHED
1.3.3.6	MT HAMPTON PROGRESS ASSOCIATION
1.3.3.7	SOUTHERN CROSS BUSINESS ASSOCIATION INC

FILE NUMBER	FILE DESCRIPTION
1.3.3.8	SOUTHERN CROSS FIRE & RESCUE
1.3.3.9	SOUTHERN CROSS SINGING GROUP
1.3.3.10	ST JOHN AMBULANCE SOUTHERN CROSS BRANCH
1.3.3.11	YILGARN AGRICULTURAL SOCIETY
1.3.3.12	YILGARN ENTERTAINERS
1.3.3.13	YILGARN HISTORICAL SOCIETY
1.3.3.14	YILGARN LOCAL DRUG ACTION GROUP
1.3.3.15	YILGARN SENIOR CITIZENS
1.3.3.16	OTHER/MISCELLANEOUS
1.3.3.17	HAY COMMITTEE (HEALTH AGENCIES OF THE YILGARN)
1.3.3.18	CENTRAL EAST AGED CARE ALLIANCE (CEACA)
1.3.3.19	SAINT FIRE BALL
1.3.3.20	BULLFINCH PROGRESS ASSOCIATION
1.3.3.21	SOUTHERN CROSS SPEEDWAY
1.3.3.22	SOUTHERN CROSS AVIATORS
1.3.4	COMMUNITY RESOURCE CENTRE (CRC)
1.3.4.1	COMMUNITY RESOURCE CENTRE GENERAL
1.3.4.2	CRC CROSSWORDS PUBLICATION
1.3.4.3	CRC GRANT APPLICATION
1.3.4.4	OTHER
1.3.4.5	FINANCIAL
1.3.5	COMMUNITY WELFARE, SAFETY AND DEVELOPMENT
1.3.5.1	ABORIGINAL AND TORRES STRAIT ISLANDERS
1.3.5.2	AGED CARE SERVICES
1.3.5.3	COMMUNITY DEVELOPMENT - GENERAL
1.3.5.4	COUNSELLING SERVICES
1.3.5.5	CRIME PREVENTION
1.3.5.6	DISABLED ACCESS AND FACILITIES
1.3.5.7	DRUG CONTROL
1.3.5.8	FAMILY SUPPORT
1.3.5.9	HOME CARE (HACC)
1.3.5.10	RESPIRE CARE
1.3.5.11	YOUTH SERVICES
1.3.5.12	COMMUNITY BANKING SERVICES
1.3.6	EVENTS AND CEREMONIES
1.3.6.1	ANZAC DAY
1.3.6.2	AUSTRALIA DAY CELEBRATIONS
1.3.6.3	CITIZENSHIP/NATURALISATION CEREMONIES
1.3.6.4	COMMUNITY HALL EVENTS
1.3.6.5	SENIOR CITIZENS CENTRE EVENTS
1.3.6.6	YILGARN AGRICULTURAL SHOW
1.3.6.7	OTHER EVENTS
1.3.6.8	PERFORMING ARTS EVENTS
1.3.6.9	SOUTHERN CROSS COLLECTIONS AND CAR SHOW WEEKEND
1.3.7	LIBRARY SERVICES
1.3.7.1	LIBRARY - ANNUAL RETURNS
1.3.7.2	LIBRARY - GENERAL CORRESPONDENCE
1.3.7.3	LIBRARY - TRAINING
1.3.7.4	REGIONAL MODEL CORRESPONDENCE

FILE NUMBER	FILE DESCRIPTION
1.3.8	RECREATION GROUNDS, PARKS AND FACILITIES
1.3.8.1	BODALLIN TENNIS CLUB FACILITIES
1.3.8.2	CONSTELLATION PARK-SOUTHERN CROSS
1.3.8.3	MARVEL LOCH OVAL
1.3.8.4	MOORINE ROCK TENNIS CLUB FACILITIES
1.3.8.5	MT HAMPTON TENNIS CLUB FACILITIES
1.3.8.6	ROTARY PARK- SOUTHERN CROSS
1.3.8.7	SOUTHERN CROSS APEX PARK
1.3.8.8	SOUTHERN CROSS GOLF CLUB FACILITIES
1.3.8.9	SOUTHERN CROSS PONY CLUB GROUNDS
1.3.8.10	SOUTHERN CROSS SKATE PARK
1.3.8.11	SOUTHERN CROSS SPORTING COMPLEX, OVAL & GROUNDS
1.3.8.12	SOUTHERN CROSS TENNIS CLUB FACILITIES
1.3.8.13	OTHER
1.3.8.14	SOUTHERN CROSS SPORTING PRECINCT REDEVELOPMENT
1.3.8.15	RV FRIENDLY GENERAL
1.3.9	SPORTING AND RECREATIONAL CLUBS & COMMITTEES
1.3.9.1	MOORINE ROCK TENNIS CLUB
1.3.9.2	MT HAMPTON TENNIS CLUB
1.3.9.3	SOUTHERN CROSS AUSKICK
1.3.9.4	SOUTHERN CROSS BOWLING CLUB
1.3.9.5	SOUTHERN CROSS CRICKET CLUB
1.3.9.6	SOUTHERN CROSS FOOTBALL CLUB
1.3.9.7	SOUTHERN CROSS GOLF CLUB
1.3.9.8	SOUTHERN CROSS MOTORCYCLE CLUB
1.3.9.9	SOUTHERN CROSS PONY CLUB
1.3.9.10	SOUTHERN CROSS TENNIS CLUB
1.3.9.11	YILGARN BASKETBALL CLUB
1.3.9.12	YILGARN LADIES DART ASSOCIATION
1.3.9.13	YILGARN NETBALL CLUB
1.3.9.14	YILGARN SPORTS AND RECREATION COMMITTEE
1.3.9.15	YILGARN SWIMMING CLUB
1.3.9.16	OTHER
1.3.9.17	SOUTHERN CROSS HOSPITAL AUXILIARY
1.3.9.18	SOUTHERN CROSS AERO CLUB
1.3.9.19	YILGARN BOWLS & TENNIS CLUB
1.3.9.20	YILGARN SMALL SCHOOL SPORTS ASSOCIATION
1.3.9.21	YILGARN MOTORING ENTHUSIASTS
1.3.10	TOURISM & TOURISM COMMITTEE
1.3.10.1	CAMPERVAN, RVs & CARAVANNING CLUBS
1.3.10.2	CENTRAL WHEATBELT VISITOR CENTRE
1.3.10.3	EVENTS COORDINATION, PROMOTION & ADVERTISING
1.3.10.4	GENERAL CORRESPONDENCE
1.3.10.5	TOURISM ADVISORY COMMITTEE
1.3.10.6	SOUTHERN CROSS VISITOR INFORMATION CENTRE
1.3.11	COMMUNITY FUNDING
1.3.11.1	LETTERS
1.3.11.2	FUNDING ALLOCATION
1.3.11.3	RETURNED APPLICATIONS

FILE NUMBER	FILE DESCRIPTION
1.3.11.4	SUCCESSFUL APPLICANTS
1.3.11.5	GENERAL
1.3.11.6	APPLICATION FORMS
1.3.11.7	ACQUITTALS
1.3.12	HEALTH SERVICES
1.3.12.1	WHEATBELT GENERAL PRACTICE - YILGARN
1.3.12.2	RURAL HEALTH WEST
1.3.12.3	COMMUNITY HEALTH PROGRAMS
1.3.12.4	GENERAL CORRESPONDENCE
1.3.12.5	MEDICAL PRACTICE - YILGARN - PRE NOVEMBER 2010 FILES
1.3.12.6	SOUTHERN INLAND HEALTH INICIATIVE (SIHI)
1.3.12.7	SOUTHERN CROSS FAMILY/GENERAL PRACTICE
1.4	OFFICE EQUIPMENT
1.4.1	ELECTRICAL
1.4.1.1	COMPUTERS - MAINTENANCE, OPERATION AND CONTRACTS
1.4.1.2	GENERAL ELECTRICAL EQUIPMENT
1.4.1.3	I T VISION - GENERAL CORRESPONDENCE
1.4.1.4	I T VISION - MAINTENANCE AND OPERATION
1.4.1.5	I T VISION - MINUTES OF USER GROUP MEETINGS
1.4.1.6	MOBILE PHONES AND TWO-WAY RECEIVER
1.4.1.7	PHOTOCOPIER
1.4.1.8	SECURITY ACCESS
1.4.1.9	SOFTWARE - MAINTENANCE, OPERATION AND CONTRACTS
1.4.1.10	TELEPHONE AND FACSIMILE - MAINTENANCE AND OPERATION
1.4.1.11	WEBSITE
1.4.2	FURNITURE
1.4.2.1	COUNCIL CHAMBERS FURNITURE
1.4.2.2	MAINTENANCE AND REPLACEMENT
1.4.2.3	QUOTATIONS
1.4.3	MEDIA LIAISON
1.4.3.1	ADVERTISING - GENERAL
1.4.3.2	MEDIA INTERVIEWS
1.4.3.3	MEDIA REQUESTS FOR INFORMATION
1.4.4	PRINTING AND STATIONERY
1.4.4.1	COUNCIL NEWSLETTERS
1.4.4.2	LOCAL GOVERNMENT PUBLICATIONS
1.4.4.3	QUOTATIONS
1.4.5	RECORDS MANAGEMENT
1.4.5.1	FILING SYSTEM (HISTORICAL TO CURRENT)
1.4.5.2	FREEDOM OF INFORMATION - APPLICATIONS
1.4.5.3	FREEDOM OF INFORMATION - GENERAL
1.4.5.4	GENERAL CORRESPONDENCE
1.4.5.5	LEGAL ADVICE
1.4.5.6	RECORD KEEPING PLANS

FILE NUMBER	FILE DESCRIPTION
1.4.5.7	RETENTION AND DISPOSAL
1.4.5.8	STATE RECORDS ACT
1.5	HISTORY AND HERITAGE
1.5.1	HISTORY AND HERITAGE
1.5.1.1	GENERAL CORRESPONDENCE
1.5.1.2	MUNICIPAL HERITAGE INVENTORY
1.5.1.3	MUSEUM
1.5.1.4	MUSEUM-FINANCIAL
1.5.1.5	NATIONAL TRUST
1.5.1.6	HISTORICAL BOOK ASSISTANCE
1.6	ORGANISATIONS & GOVERNMENT DEPARTMENTS
1.6.1	AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION (ALGA)
1.6.1.1	GENERAL CORRESPONDENCE
1.6.1.2	MEETINGS - MINUTES AND AGENDAS
1.6.2	DEPARTMENT OF AGRICULTURE AND FOOD WESTERN AUSTRALIA (now DEPARTMENT OF PRIMARY INDUSTRIES AND F
1.6.2.1	AGRICULTURAL PROTECTION BOARD
1.6.2.2	BIOHAZARDS & CONTROL MANAGEMENT
1.6.2.3	GENERAL CORRESPONDENCE
1.6.3	DEPARTMENT OF EDUCATION & TRAINING
1.6.3.1	GENERAL CORRESPONDENCE
1.6.3.2	P&C ASSOCIATIONS
1.6.4	DEPARTMENT OF HOUSING & WORKS
1.6.4.1	COUNTRY HOUSING AUTHORITY
1.6.4.2	GENERAL CORRESPONDENCE
1.6.4.3	GOVERNMENT OFFICERS REGIONAL HOUSING (GROH)
1.6.4.4	JOINT VENTURE HOUSING
1.6.5	DEPARTMENT OF LAND INFORMATION (DOLI) - <i>previously DOLA</i>
1.6.5.1	GENERAL CORRESPONDENCE
1.6.5.2	RURAL STREET NUMBERING PROJECT
1.6.6	DEPARTMENT OF REGIONAL DEVELOPMENT (DRD)
1.6.6.1	BUILDING NOTES
1.6.6.2	BULLETINS
1.6.6.3	CIRCULARS
1.6.6.4	COMPLIANCE AUDIT REPORT
1.6.6.5	GENERAL CORRESPONDENCE
1.6.6.6	INFORMATION RETURNS
1.6.6.7	LAW NOTES
1.6.6.8	ROYALTIES FOR REGIONS
1.6.6.9	DEPARTMENT GUIDELINES
1.6.7	DEPARTMENT FOR PLANNING & INFRASTRUCTURE (Licensing only)

FILE NUMBER	FILE DESCRIPTION
1.6.7.1	GENERAL CORRESPONDENCE
1.6.7.2	ONLINE COMMISSIONS
1.6.7.3	ONLINE LICENSING AWARDS
1.6.7.4	ONLINE LICENSING REIMBURSEMENTS
1.6.7.5	ONLINE LICENSING REPORTS
1.6.7.6	STATIONERY & PLATE ORDERS
1.6.8	DEPARTMENT OF TREASURY AND FINANCE
1.6.8.1	GENERAL CORRESPONDENCE
1.6.9	DEPARTMENT OF SPORT & RECREATION
1.6.9.1	BE-ACTIVE GENERAL CORRESPONDENCE
1.6.9.2	BE-ACTIVE MINUTES
1.6.9.3	GENERAL CORRESPONDENCE
1.6.9.4	WHEATBELT SPORTS COUNCIL
1.6.9.5	KIDSPORT APPLICATIONS AND CORRESPONDENCE
1.6.10	DISABILITY SERVICES COMMISSION
1.6.10.1	GENERAL CORRESPONDENCE
1.6.10.2	DISABILITY & ACCESS INCLUSION PLAN (DAIP)
1.6.11	ELECTRICITY / POWER SUPPLY
1.6.11.1	DISRUPTION TO SERVICES
1.6.11.2	GENERAL CORRESPONDENCE
1.6.12	LANDCORP
1.6.12.1	GENERAL CORRESPONDENCE
1.6.12.2	LAND PURCHASE
1.6.13	LOCAL GOVERNMENT MANAGERS ASSOCIATION (LGMA) now LOCAL GOVERNMENT PROFESSIONALS WA (LGPWA)
1.6.13.1	GENERAL CORRESPONDENCE
1.6.13.2	LGMA NATIONAL & STATE CONFERENCES
1.6.13.3	LGMA ZONE BRANCH MEETINGS MINUTES & CORRESPONDENCE
1.6.14	MAIN ROADS WESTERN AUSTRALIA (MRWA)
1.6.14.1	BLACK SPOT FUNDING
1.6.14.2	CIRCULARS
1.6.14.3	FLOOD DAMAGE
1.6.14.4	GENERAL CORRESPONDENCE
1.6.14.5	ROADS 2025
1.6.14.6	ROADS TO RECOVERY
1.6.14.7	WHEATBELT NORTH ROAD GROUP - GENERAL CORRESPONDENCE
1.6.14.8	WHEATBELT NORTH ROAD GROUP - MEETING MINUTES AND AGENDAS
1.6.14.9	STATE ROADS ADVISORY COMMITTEE - MEETING MINUTES AND AGENDAS
1.6.14.10	LEIGHTON CONTRACTORS PTY LTD - GENERAL CORRESPONDENCE
1.6.15	NORTHERN EASTERN WHEATBELT REGIONAL ORGANISATIONS OF COUNCIL (NEROC)
1.6.15.1	GENERAL CORRESPONDENCE

FILE NUMBER	FILE DESCRIPTION
1.6.16	POLICE DEPARTMENT OF WESTERN AUSTRALIA
1.6.16.1	CONSTABLE CARE PROGRAM
1.6.16.2	GENERAL CORRESPONDENCE
1.6.16.3	TEMPORARY ROAD CLOSURES
1.6.16.4	YILGARN LIQUOR ACCORD
1.6.16.5	COMMUNITY CRIME PREVENTION FUND GRANT
1.6.17	DEPARTMENT OF REGIONAL DEVELOPMENT & LANDS (<i>not licensing</i>)
1.6.17.1	CUSTOMER ADVICE REPORTS
1.6.17.2	GENERAL CORRESPONDENCE
1.6.17.3	COUNTRY LOCAL GOVERNMENT FUND
1.6.17.4	PROPOSAL TO LEASE LAND / RENEW LAND LEASE
1.6.17.5	ROYALTIES FOR REGIONS
1.6.18	SMALL BUSINESS DEVELOPMENT CORPORATION
1.6.18.1	SMALL BUSINESS CENTRE CENTRAL WHEATBELT
1.6.18.2	SMALL BUSINESS DEVELOPMENT CORPORATION
1.6.19	TELECOMMUNICATIONS
1.6.19.1	DISRUPTION TO SERVICES
1.6.19.2	GENERAL CORRESPONDENCE
1.6.19.3	PERMITS AND LICENSES
1.6.20	WATER SUPPLY
1.6.20.1	DISRUPTION TO SERVICES
1.6.20.2	GENERAL CORRESPONDENCE
1.6.20.3	WATER RESTRICTIONS AND SPRINKLER BANS
1.6.21	WESTERN AUSTRALIAN LOCAL GOVERNMENT ASSOCIATION (WALGA)
1.6.21.1	CIRCULARS
1.6.21.2	GENERAL CORRESPONDENCE
1.6.21.3	MUNICIPAL WASTE ADVISORY COUNCIL
1.6.21.4	GREAT EASTERN WARD ZONE - MEETING MINUTES AND AGENDAS
1.6.21.5	LAW NOTES
1.6.21.6	LINKING COUNCIL'S AND COMMUNITIES PROJECT
1.6.21.7	MUNICIPAL WASTE ADVISORY COUNCIL
1.6.21.8	ROMAN ROAD MANAGEMENT
1.6.21.9	SURVEYS
1.6.21.10	WALGA REGIONAL ROAD GROUP 2030
1.6.21.11	STATE COUNCIL MEETING MINUTES AND AGENDAS
1.6.21.12	LOCAL GOVERNMENT CONVENTION
1.6.21.13	FINANCIAL REPORTS
1.6.21.14	PREFERRED SUPPLIER
1.6.22	WHEATBELT AREA CONSULTATIVE COMMITTEE (WACC)
1.6.22.1	GENERAL CORRESPONDENCE
1.6.23	WESTERN AUSTRALIAN PLANNING COMMISSION (WAPC)

FILE NUMBER	FILE DESCRIPTION
1.6.23.1	GENERAL CORRESPONDENCE
1.6.23.2	WHEATBELT LAND USE PLANNING STRATEGY
1.6.24	WHEATBELT DEVELOPMENT COMMISSION (WDC)
1.6.24.1	MEETING MINUTES AND AGENDAS
1.6.24.2	GENERAL CORRESPONDENCE
1.6.25	WHEATBELT EAST REGIONAL ORGANISATION OF COUNCILS (WE-ROC)
1.6.25.1	GENERAL CORRESPONDENCE
1.6.25.2	MEETING MINUTES AND AGENDAS
1.6.25.3	SHARED STAFF RESOURCING
1.6.25.4	WE-ROC TOURISM GROUP
1.6.25.5	WHEATBELT COMMUNITIES MEETING MINUTES
1.6.26	OTHER ORGANISATIONS
1.6.26.1	LEADER OF THE OPPOSITION
1.6.26.2	LOCAL MEMBER
1.6.26.3	DEPARTMENT OF WATER & ENVIRONMENTAL REGULATION (ENVIRONMENT REGULATION)
1.6.26.4	ECONOMIC REGULATION AUTHORITY
1.6.26.5	REGIONAL DEVELOPMENT AUSTRALIAN WHEATBELT WA
1.6.26.6	DEPARTMENT OF TRANSPORT
1.6.26.7	MINISTER FOR LOCAL GOVERNMENT; HERITAGE; CITIZENSHIP AND MULTICULTURAL INTERESTS
1.6.26.8	MINISTER FOR PLANNING, CULTURE AND THE ARTS
1.6.26.9	OFFICE OF ENERGY
1.6.26.10	DEPARTMENT OF RACING, GAMING AND LIQUOR
1.6.26.11	AUSTRALIAN HEALTH PRACTITIONER REGULATION AGENCY
1.6.26.12	CABINET SECRETARY
1.6.26.13	PUBLIC TRANSPORT AUTHORITY
1.6.26.14	MINISTER FOR LOCAL GOVERNMENT; COMMUNITY SERVICES; SENIORS AND VOLUNTEERING
1.6.26.15	DEPARTMENT OF SPORT AND RECREATION
1.6.26.16	AUSTRALIA DAY COUNCIL OF WESTERN AUSTRALIA (AUSPIRE)
1.6.26.17	DEPARTMENT OF MINES, INDUSTRY REGULATION AND SAFETY CONSUMER PROTECTION (MINES AND PETROLEUM)
1.6.26.18	DEPARTMENT OF BIODIVERSITY, CONSERVATION AND ATTRACTIONS (PARKS AND WILDLIFE)
1.6.26.19	DEPARTMENT OF DEFENCE
1.6.26.20	DEPARTMENT OF HUMAN SERVICES
1.6.26.21	MINISTER FOR POLICE; ROAD SAFETY; TRAINING AND WORKFORCE DEVELOPMENT; WOMEN'S INTERESTS
1.6.26.22	KOOLYANOBING PROJECT COMMUNITY REFERENCE GROUP
1.6.26.23	DEPARTMENT OF THE ENVIRONMENT
1.6.26.24	OMBUDSMAN WESTERN AUSTRALIA
1.6.26.25	PUBLIC SECTOR COMMISSION
1.6.26.26	FEDERAL MEMBER - PARLIAMENT
1.6.26.27	DEPARTMENT OF LOCAL GOVERNMENT, SPORT AND CULTURAL INDUSTRIES
1.6.26.28	REGISTERED UNION OF EMPLOYERS
1.6.26.29	PREMIER OF WESTERN AUSTRALIA
1.6.26.30	MINISTER FOR FINANCE; ABORIGINAL AFFAIRS; LANDS
1.6.26.31	LEGISLATIVE COUNCIL COMMITTEE OFFICE
1.6.26.32	MINISTER FOR HOUSING; VETERANS ISSUES; YOUTH; ASIAN ENGAGEMENT
1.6.26.33	MINISTER FOR WATER, FORESTRY AND YOUTH
1.6.27	AUSTRALIAN RURAL ROAD GROUP INC
1.6.27.1	GENERAL CORRESPONDENCE

FILE NUMBER	FILE DESCRIPTION
1.6.28	DEPARTMENT OF HEALTH
1.6.28.1	GENERAL CORRESPONDENCE
1.6.29	DEPARTMENT OF PLANNING
1.6.29.1	GENERAL CORRESPONDENCE
1.6.29.2	WHEATBELT LAND USE PLANNING STRATEGY
1.6.30	EASTERN WHEATBELT DECLARED SPECIES GROUP
1.6.30.1	CONTRACT DOGGER AND COORDINATORS REPORT
1.6.30.2	AGENDAS AND MINUTES
1.6.30.3	GENERAL CORRESPONDENCE
1.6.31	DEPARTMENT OF LOCAL GOVERNMENT
1.6.31.1	GENERAL CORRESPONDENCE
1.6.31.2	CIRCULARS
1.6.32	DEPARTMENT FOR COMMUNITIES
1.6.32.1	GENERAL CORRESPONDENCE
1.6.33	DEPARTMENT OF COMMERCE
1.6.33.1	GENERAL CORRESPONDENCE
1.6.34	COMMUNITY LIAISON COMMITTEE FOR THE INTRACTABLE WASTE DISPOSAL FACILITY, MT WALTON EAST
1.6.34.1	AGENDAS AND MINUTES
1.6.35	CORRUPTION & CRIME COMMISSION
1.6.35.1	GENERAL
1.6.36	SALARIES AND ALLOWANCE TRIBUNAL
1.6.36.1	GENERAL CORRESPONDENCE
1.6.37	DEPARTMENT OF PLANNING, LANDS AND HERITAGE
1.6.37.1	GENERAL CORRESPONDENCE
1.7	
1.7.1	SOUTHERN CROSS CEMETERY
1.7.1.1	BURIAL NOTICES - FUNERAL ADVICE FORMS
1.7.1.2	CEMETERY ENQUIRIES
1.7.1.3	FUNERAL DIRECTORS CORRESPONDENCE
1.7.1.4	GENERAL CORRESPONDENCE
1.7.1.5	MONUMENTAL WORKS
1.7.1.6	RESERVATIONS
1.8	EDUCATION FACILITIES & ORGANISATIONS

FILE NUMBER	FILE DESCRIPTION
1.8.1	SCHOOLS
1.8.1.1	BODALLIN PRIMARY SCHOOL
1.8.1.2	MARVEL LOCH PRIMARY SCHOOL
1.8.1.3	MOORINE ROCK PRIMARY SCHOOL
1.8.1.4	MT HAMPTON PRIMARY SCHOOL
1.8.1.5	SOUTHERN CROSS DISTRICT HIGH SCHOOL
1.8.1.6	ST JOSEPHS PRIMARY SCHOOL
1.8.1.7	C.Y.O'CONNOR INSTITUTE MERREDIN
1.8.2	P&C ASSOCIATIONS
1.8.2.1	GENERAL CORRESPONDENCE
1.8.3	ORGANISATIONS
1.8.3.1	WHEATBELT EARLY CHILDHOOD EDUCATION AND CARE (ECEC) GOVERNANCE MODEL
1.9	FORMS
1.9.1	SKATEPARK CHECKS
1.9.2	LIQUOR PERMIT: TO CONSUME
1.9.3	AERODROME MAINTENANCE
1.9.4	DOG CATCHER: MISCELLANEOUS
1.9.5	POLICE LICENSING: MISCELLANEOUS
1.9.6	BUILDING APPLICATION
1.9.7	ASBESTOS DISPOSAL
1.9.8	APPLICATION TO INSTALL APPARATUS FOR TREATMENT OF WASTEWATER (SEPTIC ETC)
1.9.9	DEMOLITION APPLICATION
1.9.10	DEVELOPMENT APPLICATION
1.10	ASSETS
1.10.1	PLANT AND EQUIPMENT
1.10.2	FURNITURE AND EQUIPMENT
1.10.3	LAND AND BUILDINGS
2.	COUNCIL OPERATIONS
2.1	COUNCILLORS
2.1.1	COUNCILLOR REPRESENTATION
2.1.1.1	ALLOWANCES (INCLUDING TRAVEL PHONE)
2.1.1.2	ANNUAL AND PRIMARY RETURNS
2.1.1.3	DECLARATIONS OF INTEREST
2.1.1.4	GENERAL CORRESPONDENCE
2.1.1.5	LEAVE APPLICATIONS
2.1.1.6	NOMINATIONS & VACANCIES TO EXTERNAL BODIES
2.1.1.7	PERSONAL PROFILES
2.1.1.8	TRAINING
2.1.1.9	REGISTER OF COMPLAINTS REGARDING ELECTED OFFICIALS
2.1.1.10	RELATED PARTY DISCLOSURES
2.1.2	MEETINGS & FUNCTIONS
2.1.2.1	ANNUAL AND SPECIAL ELECTORS MEETING
2.1.2.2	COMMITTEE MEETINGS

FILE NUMBER	FILE DESCRIPTION
2.1.2.3	COUNCIL FUNCTIONS - OTHER
2.1.2.4	COUNCIL MEETINGS
2.1.2.5	COUNCILLOR AND STAFF FUNCTIONS
2.1.2.6	MEETINGS WITH OTHER COUNCILS
2.1.2.7	OFFICER AND DELEGATES REPORTS
2.1.2.8	SPECIAL COUNCIL MEETINGS
2.1.2.9	AUDIT COMMITTEE MEETING
2.1.2.10	COUNCIL PLANNING WORKSHOP AGENDAS
2.2	ELECTIONS
2.2.1	COUNCIL ELECTIONS
2.2.1.1	ADVERTISING AND PROMOTION
2.2.1.2	CANDIDATES PROFILES/NOMINATIONS
2.2.1.3	ELECTORAL CORRESPONDENCE
2.2.1.4	ELECTORAL RESULTS
2.2.1.5	ELECTORAL ROLLS
2.2.1.6	FACT SHEETS
2.2.1.7	POSTAL VOTES
2.2.1.8	STATE & FEDERAL ELECTIONS
2.2.1.9	SWEARING IN OF COUNCILLORS
2.3	POLICIES, LOCAL LAWS, REGULATIONS & ACTS
2.3.1	ACTS & REGULATIONS
2.3.1.1	LOCAL GOVERNMENT ACT 1995
2.3.1.2	HEALTH ACT 1911
2.3.1.3	DOG ACT 1976
2.3.1.4	BUSH FIRES ACT
2.3.1.5	LITTERING ACT
2.3.1.6	BUILDING CODES OF AUSTRALIA
2.3.1.7	STATE RECORDS ACT 2000
2.3.1.8	PUBLIC BUILDING REGULATIONS
2.3.1.9	CARAVAN AND CAMPING GROUND ACT 1995
2.3.1.10	FIREARMS ACT
2.3.1.11	CAT ACT 2011
2.3.2	LOCAL LAWS & REGULATIONS
2.3.2.1	ACTIVITIES ON THOROUGHFARES & TRADING IN THOROUGHFARES & PUBLIC PLACES
2.3.2.2	CEMETERY LOCAL LAW
2.3.2.3	DOGS LOCAL LAW
2.3.2.4	FENCING LOCAL LAW
2.3.2.5	HEALTH LOCAL LAW
2.3.2.6	LOCAL GOVERNMENT PROPERTY LOCAL LAW
2.3.2.7	PARKING & PARKING FACILITIES LOCAL LAW
2.3.2.8	FIREBREAKS LOCAL LAW
2.3.2.9	LEGAL ADVICE
2.3.2.10	REPEAL LOCAL LAW
2.3.2.11	8 YEAR REVIEW OF LOCAL LAWS
2.3.2.12	GENERAL CORRESPONDENCE
2.3.2.13	SWIMMING POOL LOCAL LAWS
2.3.3	POLICIES

FILE NUMBER	FILE DESCRIPTION
2.3.3.1	CODE OF CONDUCT
2.3.3.2	POLICY MANUAL
2.3.3.3	DISABILITY PLAN
2.3.3.4	PLAN FOR THE FUTURE
2.3.3.5	SHIRE PROFILE - LOGO
2.3.3.6	DELEGATED AUTHORITY REGISTER
2.3.3.7	BUSH FIRE POLICY
2.4	COUNCIL OWNED PROPERTIES
2.4.1	COUNCIL OWNED PROPERTIES
2.4.1.1	AERODROME
2.4.1.2	GENERAL CORRESPONDENCE
2.4.1.4	HOMES FOR THE AGED
2.4.1.5	HORSE PADDOCKS (LEASE AGREEMENTS)
2.4.1.6	JOINT VENTURE / COMMUNITY HOUSING
2.4.1.7	LEASES - GENERAL CORRESPONDENCE
2.4.1.8	MEDICAL CENTRE
2.4.1.9	SENIOR CITIZENS CENTRE
2.4.1.10	SHIRE OF YILGARN ADMINISTRATION OFFICE
2.4.1.11	SHIRE OF YILGARN DEPOT YARD
2.4.1.12	SINGLES UNITS
2.4.1.13	STAFF HOUSING
2.4.1.14	DAYCARE CENTRE
2.4.1.15	FIRE BRIGADE STATION
2.4.1.16	MASONIC LODGE
2.4.1.17	MARVEL LOCH SQUASH COURT
2.4.1.18	PLAYGROUP CENTRE
2.4.1.19	PUBLIC TOILETS (CBD, ROTARY PARK, CONSTELLATION PARK CEMETERY, BODALLIN, MARVEL LOCH, MOORINE ROCK)
2.4.1.20	PUBLIC PLAYGROUND EQUIPMENT (ALL WITHIN SHIRE)
2.4.1.21	YILGARN HOMES FOR THE AGED
	CARAVAN PARK (refer to 4.1.7.2)
	COMMUNITY RESOURCES CENTRE (refer to 1.3.4)
	SPORTING RECREATION PRECINCT REDEVELOPMENT (refer to 1.3.8.14)
	SWIMMING POOL (refer to 4.1.7.12)
	YILGARN HISTORICAL MUSEUM (refer to 1.5.1.3)
	COMMUNITY CENTRE (refer to 1.6.4.3)
2.4.1.22	8 ANTARES ST
2.4.1.23	PROFESSIONAL HOUSING LIBRA PLACE
2.4.1.24	PROPOSED ART CENTRE
2.4.1.25	INDEPENDENT LIFESTYLE UNITS
2.4.1.26	11 ANTARES STREET
2.4.1.27	NETBALL / BASKETBALL CLUB ROOMS
2.4.1.28	REPORT OF DAMAGE TO SHIRE OWNED PROPERTY
2.4.2	WATER STANDPIPES & HYDRANTS
2.4.2.1	GENERAL CORRESPONDENCE
2.4.2.2	MAINTENANCE AND OPERATION
2.4.2.3	STANDPIPE SHEETS
2.4.3	VACANT LAND
2.4.3.1	APPLICATION TO PURCHASE COUNCIL LAND
2.4.3.2	GENERAL CORRESPONDENCE

FILE NUMBER	FILE DESCRIPTION
2.5	LOCAL GOVERNMENT REFORM
2.5.1	WESTONIA AND YILGARN COUNCIL
2.5.1.1	MEETINGS
2.5.1.2	AGENDAS
2.5.1.3	CORRESPONDENCE
2.5.1.4	FINANCE MATTERS
2.5.1.5	OTHER
2.5.2	PROJECT OFFICER
2.5.2.1	FINANCE GOVERNANCE
2.5.2.2	HUMAN RESOURCE
2.5.2.3	REPORTS TO COUNCIL
3.	TOWN PLANNING & DEVELOPMENT CONTROL
3.1	TOWN PLANNING
3.1.1	TOWN PLANNING SCHEMES
3.1.1.1	TOWN PLANNING SCHEME 1
3.1.1.2	TOWN PLANNING SCHEME 2
3.1.1.3	TOWN PLANNING SCHEME
3.1.1.4	TOWN PLANNING SCHEME
3.1.1.5	TOWN PLANNING SCHEME
3.1.1.6	TOWN PLANNING - GENERAL
3.1.1.7	ZONING - GENERAL
3.1.2	TOWN MASTER PLANS
3.1.2.1	BODALLIN
3.1.2.2	BULLFINCH
3.1.2.3	MARVEL LOCH
3.1.2.4	MOORINE ROCK
3.1.2.5	SOUTHERN CROSS
3.1.3	DEVELOPMENT CONTROL
3.1.3.1	COMMERCIAL DEVELOPMENTS - GENERAL
3.1.3.2	RURAL DEVELOPMENTS - GENERAL
3.1.3.3	HOME OCCUPATIONS AND COTTAGE INDUSTRY - GENERAL CORRESPONDENCE AND LICENCES
3.1.3.4	OTHER DEVELOPMENTS
3.1.3.5	INDUSTRIAL DEVELOPMENTS
3.1.3.6	RESIDENTIAL DEVELOPMENTS
3.1.4	SUBDIVISIONS & AMALGAMATIONS
3.1.4.1	SUBDIVISIONS - GENERAL CORRESPONDENCE
3.1.4.2	SUBDIVISIONS - APPLICATIONS
3.1.4.3	AMALGAMATIONS - GENERAL CORRESPONDENCE
3.1.4.4	AMALGAMATIONS - APPLICATIONS
3.1.5	GEOGRAPHICAL / LAND INFORMATION SYSTEMS (GIS/LIS)
3.1.5.1	AERIAL PHOTOGRAPHY

FILE NUMBER	FILE DESCRIPTION
3.1.5.2	REQUESTS
3.1.5.3	SURVEY DATA
3.1.5.4	TRANSFERS
3.1.6	PLANNING
3.1.6.1	COMMONWEALTH LANDS
3.1.6.2	DEVELOPMENT CONTROL PLANS (DCP): EXPANSION STRATEGIES
3.1.6.3	DEVELOPMENT CONTROL PLANS (DCP): GENERAL CORRESPONDENCE
3.1.6.4	DEVELOPMENT CONTROL PLANS (DCP): STATE PLANNING STRATEGIES AND AUDIT OF ACHIEVEMENTS
3.1.6.5	LOCAL ENVIRONMENTAL PLANS (LEP)
3.1.6.6	REGIONAL ENVIRONMENT PLANS (REP)
3.1.7	TOWN PLANNING APPLICATIONS
3.1.7.1	BODALLIN
3.1.7.2	BULLFINCH
3.1.7.3	MARVEL LOCH
3.1.7.4	MOORINE ROCK
3.1.7.5	SOUTHERN CROSS
3.1.7.6	OTHER
3.2	MINING AND MINERALS
3.2.1	MINING
3.2.1.1	BGC
3.2.1.2	BLASTING PERMITS
3.2.1.3	CATALPA/ EDNA MAY OPERATIONS P/L
3.2.1.4	CAZALY RESOURCES
3.2.1.5	CLIFFS (PORTMAN IRON ORE)
3.2.1.6	EXPLORATION LICENCES
3.2.1.7	GENERAL CORRESPONDENCE
3.2.1.8	MINING AND MINERAL CLAIMS
3.2.1.9	MINING TENEMENTS
3.2.1.10	SONS OF GWALIA
3.2.1.11	ST BARBARA MINES LTD
3.2.1.12	PROSPECTING LICENCE APPLICATIONS
3.2.1.13	RADIO GOLD
3.2.1.14	POLARIS METALS
3.2.1.15	HANKING GOLD MINING PTY LTD
3.2.1.16	ROSSLYN HILL MINING
3.2.1.17	CORINTHIA MINE OPERATION (CIP RESEARCH)
3.2.1.18	SOUTHERN CROSS GOLDFIELDS LTD T/A BLACK OAK MINERALS LTD
3.2.1.19	WA SALT KOOLYANOBING
3.2.1.20	MT HOLLAND GOLD PROJECT - CONVERGENT MINERALS LIMITED
3.2.1.21	DULCIE PROJECT
3.2.1.22	IMD GOLD - BATTLER GOLD PROJECT
3.2.1.23	EARL GREY LITHIUM PROJECT
3.2.1.24	TIANYE SXO GOLD MINING PTY LTD T/A MINJAR GOLD PTY LTD
3.2.1.25	BLUECAP MINING
3.2.1.26	ADAMAN RESOURCES
3.2.1.27	WA LITHIUM
3.2.1.28	RAMELIUS RESOURCES LTD
3.2.1.29	MINERAL RESOURCES LTD
3.2.1.30	TIANYE SXO GOLD MINING PTY LTD T/A BARTO GOLD MINING
3.2.1.31	COVALENT LITHIUM

FILE NUMBER	FILE DESCRIPTION
4.	HEALTH AND BUILDING CONTROL
4.1	HEALTH CONTROL
4.1.1	DANGEROUS GOODS
4.1.1.1	DISPOSAL OF CHEMICALS
4.1.1.2	FIREWORKS - DISPLAYS AND GENERAL CORRESPONDENCE
4.1.1.3	GENERAL CORRESPONDENCE
4.1.1.4	TRANSPORT AND STORAGE OF CHEMICALS
4.1.1.5	TRANSPORT AND STORAGE OF EXPLOSIVES AND DANGEROUS GOODS
4.1.1.6	ASBESTOS INFORMATION/CORRESPONDENCE/REGISTER
4.1.2	FOOD AND WATER SAFETY
4.1.2.1	FOOD SAFETY
4.1.2.2	FOOD SAMPLE RESULTS
4.1.2.3	GENE TECHNOLOGY CORRESPONDENCE/GM CROPS
4.1.2.4	GENERAL CORRESPONDENCE
4.1.2.5	SWIMMING POOL WATER SAMPLE RESULTS
4.1.2.6	WATER SAMPLE RESULTS
4.1.2.7	BACKFLOW PREVENTION DEVICES - INSPECTION REPORTS
4.1.3	GENERAL HEALTH
4.1.3.1	HEALTH ORDERS
4.1.3.2	HEALTH LOCAL LAWS
4.1.4	HEALTH DEPARTMENT OF WESTERN AUSTRALIA
4.1.4.1	CIRCULARS
4.1.4.2	FOOD SAFETY STANDARDS
4.1.4.3	FOOD RECALLS
4.1.4.4	GENERAL CORRESPONDENCE
4.1.5	HEALTH LICENCES
4.1.5.1	EATING HOUSE LICENCES
4.1.5.2	GENERAL LICENCE ENQUIRIES
4.1.5.3	ITINERANT VENDORS / STALLHOLDERS / STREET VENDORS
4.1.5.4	LIQUID WASTE DISPOSAL OPERATORS
4.1.5.5	LIQUOR LICENCES
4.1.5.6	POISONS PERMIT
4.1.5.7	OFFENSIVE TRADE LICENCE
4.1.6	HEALTH ORGANISATIONS
4.1.6.1	AUSTRALIAN & NEW ZEALAND FOOD AUTHORITY (ANZFA)
4.1.6.2	AUSTRALIAN INSTITUTE OF ENVIRONMENTAL HEALTH
4.1.6.3	FOODSAFE
4.1.6.4	RURAL HEALTH WEST
4.1.7	PUBLIC HEALTH & BUILDING
4.1.7.1	BUILDING UNFIT FOR HUMAN HABITATION
4.1.7.2	CARAVAN PARK & CAMPING

FILE NUMBER	FILE DESCRIPTION
4.1.7.3	CARINAVILLE
4.1.7.4	GENERAL PRACTITIONERS
4.1.7.5	HOSPITAL
4.1.7.6	INFECTIOUS DISEASES
4.1.7.7	MENS SHED
4.1.7.8	PEST CONTROL
4.1.7.9	PUBLIC BUILDINGS
4.1.7.10	PUBLIC CONVENIENCES
4.1.7.11	SWIMMING POOL (PRIVATE)
4.1.7.12	SWIMMING POOL (PUBLIC)
4.1.7.13	YILGARN HEALTH ADVISORY COMMITTEE
4.1.7.14	GENERAL CORRESPONDENCE
4.1.8	HEALTH SCHEME WITH NEIGHBOURING LOCAL GOVT.
4.1.8.1	HS- GENERAL CORRESPONDENCE
4.1.9	WASTE MANAGEMENT
4.1.9.1	ASBESTOS
4.1.9.2	BODALLIN REFUSE SITE- GENERAL
4.1.9.3	BULLFINCH REFUSE SITE- GENERAL
4.1.9.4	DRUMMUSTER - GENERAL
4.1.9.5	GREY WATER DOMESTIC
4.1.9.6	HAZARDOUS INDUSTRIAL WASTE
4.1.9.7	MARVEL LOCH REFUSE SITE- GENERAL
4.1.9.8	MOORINE ROCK REFUSE SITE- GENERAL
4.1.9.9	RECYCLING - GENERAL
4.1.9.10	RECYCLING - OIL
4.1.9.11	REFUSE REMOVAL SERVICE
4.1.9.12	REFUSE REMOVAL SERVICE - NEW SERVICES
4.1.9.13	SEPTIC TANKS AND LEACH DRAINS APPLICATIONS
4.1.9.14	SEWAGE DISPOSAL AND OTHER
4.1.9.15	SOUTHERN CROSS REFUSE SITE - GENERAL
4.1.9.16	WASTEWATER REUSE
4.1.9.17	ZERO WASTE PLAN
4.1.9.18	SOUTHERN CROSS DEEP SEWER SYSTEM
4.1.9.19	MARVEL LOCH SEMI DEEP SEWER SYSTEM
	TYRES: STORAGE AND DISPOSAL (refer to 7.2.1.14)
4.1.9.20	CONTROLLED WASTE TRACKING FORMS
4.1.9.21	NEW SOUTHERN CROSS LANDFILL
4.1.9.22	NEW SOUTHERN CROSS WASTE MANAGEMENT FACILITY (SULLAGE PIT)
4.1.9.23	EWASTE GENERAL
4.1.10	HEALTH AND SAFETY
4.1.10.1	ELECTRICAL INSPECTIONS - DEPOT
4.1.10.2	ELECTRICAL INSPECTIONS - SHIRE BUILDINGS
4.1.10.3	QUARTERLY AND ANNUAL APPLIANCE TAGGING INSPECTIONS
4.1.10.4	CLASSIFIED PLANT INSPECTION - DEPOT
4.1.10.5	CERTIFICATES OF COMPLIANCE - SAFETY
4.1.10.6	INSPECTION OF LIFTING CHAINS
4.1.10.7	PLUMBING COMPLIANCE CERTIFICATES
4.1.10.8	HEIGHT SAFETY INSPECTION REPORTS / CERTIFICATE OF COMPLIANCE
4.1.10.9	CERTIFICATES OF COMPLIANCE - ELECTRICAL
4.1.10.10	MEDICAL EQUIPMENT SERVICE CERTIFICATES
4.1.10.11	WORKPLACE OS&H INSPECTIONS

FILE NUMBER	FILE DESCRIPTION
4.2	BUILDING CONTROL
4.2.1	BUILDING CONTROL
4.2.1.1	APPLICATION CORRESPONDENCE
4.2.1.2	BUILDING AND CONSTRUCTION INDUSTRY TRAINING FUND (BCITF) CORRESPONDENCE
4.2.1.3	BUILDERS REGISTRATION BOARD (BRB) CORRESPONDENCE
4.2.1.4	BUILDING CONTROL GENERAL
4.2.1.5	DEMOLITIONS
4.2.1.6	BUILDING LEVY COLLECTION (BCITF & BRB)
4.2.1.7	BUILDING STATISTICS (ABS)
4.2.1.8	UNAUTHORISED BUILDINGS
4.2.1.9	GENERAL
4.2.2	SIGNS & HOARDINGS
4.2.2.1	ADVERTISING SIGNS AND HOARDINGS - INDUSTRIAL & COMMERCIAL
4.2.2.2	ROADSIDE ADVERTISING
4.2.2.3	SIGN LICENCE APPLICATIONS
5.	LAW, ORDER AND PUBLIC SAFETY (RANGER)
5.1	EMERGENCY MANAGEMENT
5.1.1	BUSH FIRE ADVISORY COMMITTEE
5.1.1.1	GENERAL CORRESPONDENCE
5.1.1.2	MEETING MINUTES AND AGENDAS
5.1.2	BUSH FIRE BRIGADES
5.1.2.1	BODALLIN FIRE BRIGADE
5.1.2.2	BULLFINCH FIRE BRIGADE
5.1.2.3	CENTRAL-SOUTHERN CROSS FIRE BRIGADE
5.1.2.4	MARVEL LOCH FIRE BRIGADE
5.1.2.5	MINERS SETTLEMENT FIRE BRIGADE
5.1.2.6	MOORINE ROCK FIRE BRIGADE
5.1.2.7	MT HAMPTON/DULYALBIN FIRE BRIGADE
5.1.2.8	SOUTH YILGARN FIRE BRIGADE
5.1.2.9	GENERAL
5.1.3	BUSH FIRE INFRINGEMENTS AND PROSECUTIONS
5.1.3.1	BUSH FIRE INFRINGEMENT NOTICES
5.1.3.2	PROSECUTIONS AND LEGAL ACTION
5.1.4	EMERGENCY MANAGEMENT
5.1.4.1	EMERGENCY MANAGEMENT PLANS
5.1.4.2	ROYAL FLYING DOCTOR SERVICE (RFDS)
5.1.4.3	WINDARLING AERODROME EMERGENCY COMMITTEE
5.1.4.4	STATE EMERGENCY MANAGEMENT COMMITTEE
5.1.4.5	OFFICE OF EMERGENCY MANAGMENT
5.1.5	FIRE CONTROL

FILE NUMBER	FILE DESCRIPTION
5.1.5.1	FIRE CONTROL OFFICERS - GENERAL
5.1.5.2	FIRE CONTROL OFFICERS - TRAINING AND MEETINGS
5.1.5.3	FIRE HAZARDS AND COMPLAINTS
5.1.5.4	FIRE INCIDENTS / REPORTS
5.1.5.5	FIRE PERMITS
5.1.5.6	FIRE SUPPORT (COMMUNICATIONS TOWER & VHF)
5.1.5.7	FIREBREAKS
5.1.5.8	HARVEST BANS
5.1.5.9	PROHIBITED AND RESTRICTED BURNING PERIODS
5.1.5.10	VEHICLES AND EQUIPMENT
5.1.6	DEPARTMENT OF FIRE AND EMERGENCY SERVICES (DFES)
5.1.6.1	AWARDS AND HONOURS
5.1.6.2	BUSH FIRE BRIGADE OPERATING GRANT ACQUITTAL
5.1.6.3	GENERAL CORRESPONDENCE
5.1.6.4	INCIDENT REPORTS
5.1.6.5	MEETING MINUTES AND AGENDAS
5.1.6.6	MERREDIN DISTRICT OPERATIONAL ADVISORY COMMITTEE (DOAC)
5.1.6.7	OTHER EMERGENCY SERVICES GRANTS
5.1.6.8	SERVICES CHARGES LEVIES AND OPERATING GRANTS (ESL)
5.1.6.9	VOLUNTEER EMERGENCY SERVICE UNIT
5.1.6.10	FESA COMBINED MONTHLY LOCAL GOVERNMENT REPORT
5.1.6.11	VEHICLE PLANT REPLACEMENT PROGRAM
5.1.6.12	LOCAL GOVERNMENT GRANTS SCHEME (LGGS)
5.1.6.13	RURAL NUMBERING SYSTEM
5.1.7	LOCAL EMERGENCY MANAGEMENT ADVISORY COMMITTEE (LEMAC)
5.1.7.1	EMERGENCY MANAGEMENT ACT COMPLIANCE
5.1.7.2	EMERGENCY MANAGEMENT ARRANGEMENTS / PLANS
5.1.7.3	EMERGENCY MANAGEMENT RECOVERY / PLANS
5.1.7.4	GENERAL CORRESPONDENCE
5.1.7.5	MEETING MINUTES AND AGENDAS
5.1.7.6	PLANNING AND POLICIES
5.2	RANGER CONTROL
5.2.1	DOG CONTROL
5.2.1.1	DOG ATTACKS
5.2.1.2	DOG COMPLAINTS
5.2.1.3	DOG PROSECUTIONS
5.2.1.4	DOG REGISTRATIONS
5.2.1.5	DOG SURRENDERS
5.2.1.6	GENERAL CORRESPONDENCE
5.2.1.7	IMPOUNDMENTS AND INFRINGEMENTS
5.2.1.8	MULTIPLE DOG APPLICATIONS
5.2.1.9	POUNDKEEPERS REGISTER
5.2.1.10	RESTRICTED BREEDS CORRESPONDENCE
5.2.1.11	STRAYING DOGS
5.2.1.12	CAT REGISTRATIONS
5.2.1.13	CAT COMPLAINTS
5.2.2	LITTER CONTROL
5.2.2.1	GENERAL CORRESPONDENCE

FILE NUMBER	FILE DESCRIPTION
5.2.2.2	KEEP AUSTRALIA BEAUTIFUL COUNCIL CORRESPONDENCE
5.2.2.3	INFRINGEMENTS AND PROSECUTIONS
5.2.2.4	LITTER COMPLAINTS
5.2.3	OFF ROAD VEHICLES AND ABANDONED VEHICLES
5.2.3.1	GENERAL CORRESPONDENCE
5.2.3.2	COMPLAINTS - ABANDONED VEHICLES
5.2.4	RANGER GENERAL
5.2.4.1	AWARE PROGRAM
5.2.4.2	FINES ENFORCEMENT REGISTRY
5.2.4.3	FIREARMS PERMITS AND CORRESPONDENCE
5.2.4.4	GENERAL CORRESPONDENCE AND ENQUIRIES
5.2.4.5	RANGER ASSOCIATION OF WA - CORRESPONDENCE
5.2.4.6	RANGER REPORTS
5.2.4.7	VANDALISM AND GRAFFITI
5.2.4.8	STATUTORY DECLARATIONS
5.2.5	STOCK CONTROL
5.2.5.1	STRAYING STOCK
5.2.5.2	STOCK COMPLAINTS
5.2.6	WILDLIFE CONTROL
5.2.6.1	CIRCUSES
5.2.6.2	SMALL ANIMAL TRAP HIRE
5.2.6.3	WILDLIFE COMPLAINTS
5.2.6.4	WILDLIFE CONTROL GENERAL
6.	ENGINEERING
6.1	ROADS
6.1.1	ROADS
6.1.1.099	ACHERNAR ST
6.1.1.088	ALDEBARAN ST
6.1.1.204	ALGENIB RD
6.1.1.089	ALTAIR ST
6.1.1.221	ANDROMEDA ST
6.1.1.290	ANTARES ST
6.1.1.139	ANTONIO RD
6.1.1.092	ARCTURUS ST
6.1.1.206	ARGENT ST
6.1.1.073	ARMANASCO RD
6.1.1.207	AURUM ST
6.1.1.048	BANKER-MT DAY RD
6.1.1.019	BEATON RD
6.1.1.132	BEN RD
6.1.1.049	BENNETT RD
6.1.1.128	BLAIR RD
6.1.1.072	BLYTH RD
6.1.1.088	BODALLIN BIN RD
6.1.1.002	BODALLIN NORTH RD

FILE NUMBER	FILE DESCRIPTION
6.1.1.005	BODALLIN SOUTH RD
6.1.1.077	BRENNAND RD
6.1.1.108	BROOME ST
6.1.1.016	BULLFINCH/EVANSTON RD
6.1.1.021	BULLFINCH/TURKEY HILL RD
6.1.1.070	BURBIDGE RD
6.1.1.127	BURRO RD
6.1.1.133	BUTCHER RD
6.1.1.124	CAIRNS RD
6.1.1.080	CALZONI RD
6.1.1.154	CAMERON RD
6.1.1.091	CANOPUS ST
6.1.1.151	CAPELLA RD
6.1.1.079	CAPITO RD
6.1.1.155	CARSTAIRS RD
6.1.1.095	CASTOR ST
6.1.1.200	CEMETERY RD
6.1.1.098	CENTAUR ST
6.1.1.056	CENTRAL RD
6.1.1.212	CHENEY ST
6.1.1.112	CLARKE ST
6.1.1.185	COCKATOO TANK RD
6.1.1.009	CORINTHIA EAST RD
6.1.1.159	CORINTHIA WEST RD
6.1.1.187	CORINTHIAN RD
6.1.1.025	CORINTHIA/TURKEY HILL RD
6.1.1.053	CORSINI RD
6.1.1.131	COX RD
6.1.1.041	CRAMPHORNE RD
6.1.1.190	CRATERIS ST
6.1.1.024	DAIRY RD
6.1.1.011	DELLA BOSCA RD
6.1.1.085	DELLA RD
6.1.1.087	DONOVAN RD
6.1.1.114	DOROTHY ST
6.1.1.103	DOWD ST
6.1.1.147	DOWDALLS RD
6.1.1.152	DRACONIS RD
6.1.1.202	DRIVER ST
6.1.1.083	DULYALBIN RD
6.1.1.164	DUNBAR RD
6.1.1.117	DURBRIDGE ST
6.1.1.186	EACOTT RD
6.1.1.174	EIFFLER RD
6.1.1.046	EMU FENCE RD
6.1.1.218	FAIRLESS RD
6.1.1.178	FELSTEAD RD
6.1.1.104	FITZGERALD ST
6.1.1.004	FORRESTANIA/MARVEL LOCH RD
6.1.1.199	FORRESTER RD
6.1.1.059	FROG ROCK/MARVEL LOCH RD
6.1.1.145	G KENT RD
6.1.1.066	GARBIN RD
6.1.1.010	GARRETT RD
6.1.1.216	GATLEY RD
6.1.1.055	GETHIN RD
6.1.1.028	GHOOLI NORTH RD

FILE NUMBER	FILE DESCRIPTION
6.1.1.061	GHOOLI SOUTH RD
6.1.1.026	GHOOLI/KOOLYANOBING RD
6.1.1.040	GILL RD
6.1.1.219	GLENDOWER RD
6.1.1.158	GOBETTI RD
6.1.1.003	GOLDEN VALLEY RD
6.1.1.029	GOODHILL RD
6.1.1.051	GRACE RD
6.1.1.150	GRANICH RD
6.1.1.047	GREEN RD
6.1.1.015	GREENSILL RD
6.1.1.182	GRUIS RD
6.1.1.068	GUERINI RD
6.1.1.106	HAMPTON ST
6.1.1.035	HARVEY RD
6.1.1.161	HEASMAN RD
6.1.1.138	HITCHING RD
6.1.1.156	HOPES HILL/CORINTHIA RD
6.1.1.166	HOPKINS RD
6.1.1.208	HORAN ST
6.1.1.118	HOULAHAN RD
6.1.1.110	HUTT ST
6.1.1.096	HYDRA ST
6.1.1.057	IRVING RD
6.1.1.109	IRWIN ST
6.1.1.064	IVEY RD
6.1.1.173	JOHN RD
6.1.1.113	JONES ST
6.1.1.107	KENNEDY ST
6.1.1.148	KENNY ST
6.1.1.033	KENT RD
6.1.1.184	KIA ORA RD
6.1.1.020	KING INGRAM RD
6.1.1.169	KING RD
6.1.1.211	KING ST
6.1.1.172	KOOLYANOBING RAIL ACCESS RD
6.1.1.122	LAKE SEABROOK RD
6.1.1.054	LAPSLEY RD
6.1.1.043	LEEDER RD
6.1.1.193	LENNEBERG ST
6.1.1.196	LEO ST
6.1.1.194	LEONIS ST
6.1.1.220	LIBRA ST
6.1.1.125	LIDDELL RD
6.1.1.045	LIEBECK RD
6.1.1.065	LOWE RD
6.1.1.203	MADDOCK RD
6.1.1.162	MANGINI RD
6.1.1.116	MANXMAN ST
6.1.1.037	MCKENZIE RD
6.1.1.013	MEHARRY RD
6.1.1.078	MEREANDA NORTH RD
6.1.1.087	MOORINE ROCK CBH WHEAT BIN RD
6.1.1.075	MOORINE ROCKS RD
6.1.1.001	MOORINE SOUTH RD
6.1.1.176	MT ADAM RD
6.1.1.014	MT JACKSON RD

FILE NUMBER	FILE DESCRIPTION
6.1.1.189	MT PALMER RD
6.1.1.039	MT RANKIN RD
6.1.1.052	NARLA LOOP
6.1.1.076	NARLA SOUTH RD
6.1.1.030	NEVORIA/YELLOWDINE RD
6.1.1.143	NEWBURY RD
6.1.1.146	NEWLAND RD
6.1.1.130	NICHOLSON RD
6.1.1.034	NOONGAR NORTH RD
6.1.1.031	NOONGAR SOUTH RD
6.1.1.036	NULLA NULLA NORTH RD
6.1.1.042	NULLA NULLA SOUTH RD
6.1.1.136	NUNN RD
6.1.1.063	ODGERS RD
6.1.1.142	OLD MARVEL LOCH RD
6.1.1.197	OMEGA ST
6.1.1.223	ORION ST
6.1.1.214	OVERINGTON ST
6.1.1.210	OXIDE ST
6.1.1.144	P GUERINI RD
6.1.1.007	PANIZZA RD
6.1.1.017	PARKER RD
6.1.1.038	PARKER RANGE RD
6.1.1.134	PASINI RD
6.1.1.060	PATRONI RD
6.1.1.160	PEARCE RD
6.1.1.071	PENTON RD
6.1.1.023	PERILYA/TURKEY HILL RD
6.1.1.097	PHOENIX ST
6.1.1.191	PICTORIS ST
6.1.1.093	POLARIS ST
6.1.1.129	POSA RD
6.1.1.050	PRICE RD
6.1.1.134	PRINGLE RD
6.1.1.153	PROCYON RD
6.1.1.126	RACKICH RD
6.1.1.205	RAILWAY CROSSING RD
6.1.1.084	REYNOLDS RD
6.1.1.094	RIGEL ST
6.1.1.119	RILEY CRESCENT
6.1.1.168	ROBERTS RD
6.1.1.102	ROBINSON ST
6.1.1.141	ROGERS NORTH RD
6.1.1.140	ROGERS RD
6.1.1.213	RONCHI ST
6.1.1.180	RUBBISH TIP RD
6.1.1.171	SALT RD
6.1.1.032	SANDALWOOD ROCK RD
6.1.1.170	SAVOLDELLI RD
6.1.1.181	SAXBY RD
6.1.1.195	SCORPIO ST
6.1.1.121	SCOTT RD
6.1.1.192	SERPENTIS ST
6.1.1.115	SHALLCROSS ST
6.1.1.100	SIRIUS ST
6.1.1.111	SMITH ST
6.1.1.082	SOLDIERS RD

FILE NUMBER	FILE DESCRIPTION
6.1.1.086	SOUTHERN CROSS CBH WHEAT BIN RD
6.1.1.006	SOUTHERN CROSS SOUTH RD
6.1.1.224	SOUTHERN CROSS/KOOLYANOBING RD
6.1.1.090	SPICA ST
6.1.1.044	STANDPIPE RD
6.1.1.081	STEPHEN RD
6.1.1.067	STEWART RD
6.1.1.177	STIRRIT RD
6.1.1.179	STRAWBERRY ROCK RD
6.1.1.137	SYKES RD
6.1.1.198	TAURUS ST
6.1.1.201	THREE BOYS RD
6.1.1.120	TONKIN RD
6.1.1.022	TRAIL RD
6.1.1.058	TRICOLI NORTH RD
6.1.1.008	TURKEY HILL RD
6.1.1.167	TURNER RD
6.1.1.027	UNKOVICH RD
6.1.1.012	VERSACE RD
6.1.1.165	VULTEE RD
6.1.1.226	WARRALAKIN/BULLFINCH RD
6.1.1.123	WATERBIDDEN RD
6.1.1.227	WEST ST
6.1.1.069	WESTONIA RD
6.1.1.175	WHEATLY RD
6.1.1.209	WILLIAMSON ST
6.1.1.018	WITHERS NORTH RD
6.1.1.240	WYALKATCHEM/SOUTHERN CROSS RD (M40)
6.1.1.217	YELLOWDINE SEABROOK RD
6.1.1.163	YERBILLON RD
6.1.2.1	CONTRACTORS
6.1.2.2	CROSSOVERS
6.1.2.3	FOOTPATHS
6.1.2.4	GENERAL CORRESPONDENCE
6.1.2.5	GRAVEL PITS
6.1.2.6	LAND RESUMPTIONS
6.1.2.7	PRIVATE WORKS
6.1.2.8	ROAD AND STREET NAMES
6.1.2.9	ROAD CLOSURES AND OPENINGS
6.1.2.10	ROAD COMPLAINTS
6.1.2.11	ROAD CONSTRUCTION
6.1.2.12	ROAD GRANTS
6.1.2.13	ROAD INTERSECTIONS
6.1.2.14	ROAD MAINTENANCE
6.1.2.15	ROAD MARKINGS
6.1.2.16	ROAD REINSTATEMENTS
6.1.2.17	ROAD VERGES - GENERAL CORRESPONDENCE
6.1.2.18	ROAD VERGES - PERMISSION TO REMOVE DEAD WOOD
6.1.2.19	ROAD VERGES - STREET TREES
6.1.2.20	ROADS TO RECOVERY ANNUAL REPORTS
6.1.2.21	ROADS TO RECOVERY CORRESPONDENCE
6.1.2.22	ROADS TO RECOVERY QUARTERLY REPORTS
6.1.2.24	STORM WATER DRAINS
6.1.2.25	STREET LIGHTING

FILE NUMBER	FILE DESCRIPTION
6.1.2.26	STREET/DIRECTIONAL SIGNS
6.1.2.27	COMMODITY ROUTE FUNDING PROGRAM
6.2	BRIDGES
6.2.1	BRIDGES
6.2.1.1	GENERAL CORRESPONDENCE
6.3	TRANSPORT AND ROAD SAFETY
6.3.1	ROAD SAFETY
6.3.1.1	GENERAL ROAD SAFETY CORRESPONDENCE
6.3.1.2	ROAD SAFETY CAMPAIGNS/DRIVER REVIVER
6.3.1.3	ROAD SAFETY COMPLAINTS
6.3.1.4	SCHOOL BUS ROUTES AND APPLICATIONS
6.3.1.5	SPEED LIMITS
6.3.1.6	SPEED TRAILER
6.3.1.7	CRASH SITE INVESTIGATION REPORTS
6.3.2	TRANSPORT
6.3.2.1	AERODROME GENERAL
6.3.2.2	EXTRA MASS PERMIT/OVERSIZE AGREEMENTS
6.3.2.3	RAIL TRANSPORT GENERAL
6.3.2.4	ROAD TRANSPORT GENERAL
6.3.2.5	TRAFFIC MANAGEMENT PLANS
6.3.2.6	TRANSPORTATION OF DANGEROUS GOODS
6.3.2.7	VANDALISM
6.3.2.8	AERODROME AVDATA
6.3.2.9	OVERSIZE ROAD TRAIN APPROVALS
6.3.2.10	CIVIL AVIATION SAFETY AUTHORITY
6.3.2.11	ROAD HIERARCHY DEVELOPMENT STRATEGY
6.3.2.12	VEHICLE INSPECTION COMMISSIONS
6.3.2.13	VEHICLE INSPECTION CORRESPONDENCE
6.4	PLANT AND FLEET MANAGEMENT
6.4.1	GENERAL FLEET / PLANT
6.4.1.1	COMMUNITY BUS
6.4.1.2	GENERAL CORRESPONDENCE
6.4.1.3	WARRANTIES
6.4.1.4	COMMUNITY CAR
6.4.1.5	PLANT REPLACEMENT PROGRAM
6.4.2	LICENSES AND SPECIFICATIONS
6.4.2.1	LICENCES AND SPECIFICATIONS - VEHICLES
6.4.2.2	LICENCES AND SPECIFICATIONS - PLANT AND MACHINERY
6.4.2.3	GENERAL CORRESPONDENCE
6.5	FUELS, OILS AND MATERIALS

FILE NUMBER	FILE DESCRIPTION
6.5.1	FUELS AND OILS
6.5.1.1	AUSTRALIAN TAXATION OFFICE - ON ROAD DIESEL FUEL REBATES
6.5.1.2	FUEL DISTRIBUTION CARDS
6.5.1.3	GENERAL CORRESPONDENCE
6.5.1.4	TENDERS - FUEL, OILS AND MATERIALS
6.5.2	MATERIALS
6.5.2.1	BITUMEN
6.5.2.2	GENERAL CORRESPONDENCE
6.5.2.3	GRAVEL SUPPLIES
6.5.2.4	OTHER MATERIALS
6.5.2.5	PIPES
6.5.2.6	STOCKTAKE RECORDS (TOOLS ETC)
6.6	TENDER REGISTER AND QUOTATIONS
6.6.1	ADMINISTRATION VEHICLES
6.6.1.1	2009 - 2010 FINANCIAL YEAR
6.6.1.2	2010 - 2011 FINANCIAL YEAR
6.6.1.3	2011 - 2012 FINANCIAL YEAR
6.6.1.4	2012 - 2013 FINANCIAL YEAR
6.6.1.5	2013 - 2014 FINANCIAL YEAR
6.6.1.6	2014 - 2015 FINANCIAL YEAR
6.6.1.7	2015 - 2016 FINANCIAL YEAR
6.6.1.8	2016 - 2017 FINANCIAL YEAR
6.6.1.9	2017 - 2018 FINANCIAL YEAR
6.6.1.10	2018 - 2019 FINANCIAL YEAR
6.6.1.11	2020 - 2021 FINANCIAL YEAR
6.6.1.12	2021 - 2022 FINANCIAL YEAR
6.6.1.13	2022 - 2023 FINANCIAL YEAR
6.6.2	BITUMEN
6.6.2.1	2009 - 2010 FINANCIAL YEAR
6.6.2.2	2010 - 2011 FINANCIAL YEAR
6.6.2.3	2011 - 2012 FINANCIAL YEAR
6.6.2.4	2012 - 2013 FINANCIAL YEAR
6.6.2.5	2013 - 2014 FINANCIAL YEAR
6.6.2.6	2014 - 2015 FINANCIAL YEAR
6.6.2.7	2015 - 2016 FINANCIAL YEAR
6.6.2.8	2016 - 2017 FINANCIAL YEAR
6.6.2.9	2017 - 2018 FINANCIAL YEAR
6.6.2.10	2018 - 2019 FINANCIAL YEAR
6.6.3	PLANT
6.6.3.1	2009 - 2010 FINANCIAL YEAR
6.6.3.2	2010 - 2011 FINANCIAL YEAR
6.6.3.3	2011 - 2012 FINANCIAL YEAR
6.6.3.3	2012 - 2013 FINANCIAL YEAR
6.6.4	ROADWORKS
6.6.4.1	2009 - 2010 FINANCIAL YEAR

FILE NUMBER	FILE DESCRIPTION
6.6.4.2	2010 - 2011 FINANCIAL YEAR
6.6.4.3	2011 - 2012 FINANCIAL YEAR
6.6.4.4	2012 - 2013 FINANCIAL YEAR
6.6.5	WORKS VEHICLES - INCLUDING TRUCKS
6.6.5.1	2009 - 2010 FINANCIAL YEAR
6.6.5.2	2010 - 2011 FINANCIAL YEAR
6.6.5.3	2011 - 2012 FINANCIAL YEAR
6.6.5.4	2012 - 2013 FINANCIAL YEAR
6.6.5.5	2013 - 2014 FINANCIAL YEAR
6.6.5.6	2014 - 2015 FINANCIAL YEAR
6.6.5.7	2015 - 2016 FINANCIAL YEAR
6.6.5.8	2016 - 2017 FINANCIAL YEAR
6.6.5.9	2017 - 2018 FINANCIAL YEAR
6.6.5.10	2018 - 2019 FINANCIAL YEAR
6.6.5.11	2019 - 2020 FINANCIAL YEAR
6.6.5.12	2020 - 2021 FINANCIAL YEAR
6.6.5.13	2021 - 2022 FINANCIAL YEAR
6.6.5.14	2022 - 2023 FINANCIAL YEAR
6.6.6	RECREATION PRECINCT REDEVELOPMENT TENDERS
6.6.6.1	TENDER 01/2011 BOWLING GREEN
6.6.6.2	TENDER 02/2011 CLUB HOUSE
6.6.6.3	TENDER 02/2012-2013 RESURFACE OF TENNIS COURTS
6.6.6.4	TENDER 3/2018-2019 SOUTHERN CROSS RECREATION COMPLEX ROOF
6.6.6.5	TENDER 14/2018-2019 SOUTHERN CROSS AQUATIC CENTRE
6.6.6.6	TENDER SX0119 SOUTHERN CROSS AQUATIC CENTRE REDEVELOPMENT
6.6.7	QUOTATION REGISTER
6.6.7.1	QUOTATIONS 2010 - 2011 FINANCIAL YEAR
6.6.7.2	QUOTATIONS 2011 - 2012 FINANCIAL YEAR
6.6.7.3	QUOTATIONS 2012 - 2013 FINANCIAL YEAR
6.6.7.4	QUOTATIONS 2013 - 2014 FINANCIAL YEAR
6.6.7.5	QUOTATIONS 2014 - 2015 FINANCIAL YEAR
6.6.7.6	QUOTATIONS 2015 - 2016 FINANCIAL YEAR
6.6.7.7	QUOTATIONS 2016 - 2017 FINANCIAL YEAR
6.6.7.8	QUOTATIONS 2017 - 2018 FINANCIAL YEAR
6.6.7.9	QUOTATIONS 2018 - 2019 FINANCIAL YEAR
6.6.7.10	QUOTATIONS 2019 - 2020 FINANCIAL YEAR
6.6.7.11	QUOTATIONS 2020 - 2021 FINANCIAL YEAR
6.6.7.12	QUOTATIONS 2021 - 2022 FINANCIAL YEAR
6.6.8	WALGA PREFERRED SUPPLIER QUOTATIONS
6.6.8.1	2012 - 2013 FINANCIAL YEAR
6.6.8.2	2013 - 2014 FINANCIAL YEAR
6.6.8.3	2014 - 2015 FINANCIAL YEAR
6.6.8.4	2015 - 2016 FINANCIAL YEAR
6.6.8.5	2016 - 2017 FINANCIAL YEAR
6.6.8.6	2017 - 2018 FINANCIAL YEAR
6.6.8.7	2018 - 2019 FINANCIAL YEAR
6.6.8.8	2019 - 2020 FINANCIAL YEAR
6.6.8.9	2020 - 2021 FINANCIAL YEAR
6.6.8.10	2021 - 2022 FINANCIAL YEAR
6.6.9	EXPRESSION OF INTEREST

FILE NUMBER	FILE DESCRIPTION
6.6.9.1	2012 - 2013 FINANCIAL YEAR
6.6.10	INFRASTRUCTURE TENDERS
6.6.10.1	TENDER R01 2012/2013 SUPPLY OF 2 BEDROOM TRANSPORTABLE HOUSING
6.6.10.2	TENDER R01 2014/2015 SUPPLY OF TRANSPORTABLE LIFESTYLE ACCOMMODATION RESIDENCES
6.6.10.3	TENDER R02 - 2014/2015 SERVICE INSTALLATION FOR LIFESTYLE ACCOMMODATION DEVELOPMENT
6.6.10.4	TENDER R03 - 2015/2016 SUPPLY TRANSPORTABLE DEPOT OFFICE BUILDING
6.6.10.5	TENDER R04 - 2015/2016 SOUTHERN CROSS CARAVAN PARK BUILDING & SERVICES UPGRADE
6.6.11	LEASE TENDERS
6.6.11.1	CARAVAN PARK LEASE
6.7	CONTRACTOR COMPLIANCE DETAILS
6.7.1	2013/2014
6.7.2	2014/2015
6.7.3	2015/2016
6.7.4	2016/2017
6.7.5	2017/2018
6.7.6	2018/2019
6.7.7	2019/2020
6.7.8	2020/2021
6.7.9	2021/2022
6.8.1.1	TENDER REGISTER
6.9.1.	REGULATORY SERVICES TENDERS
6.9.1.1	LANDFILL ATTENDANT CONTRACT
6.9.2	PRE-QUALIFIED SUPPLIERS PANEL
6.9.2.1	2018/2019 FINANCIAL YEAR
6.9.2.2	2019/2020 FINANCIAL YEAR
6.9.2.3	2020/2021 FINANCIAL YEAR
6.9.2.4	2021/2022 FINANCIAL YEAR
7.	LAND USE AND ENVIRONMENTAL MANAGEMENT
7.1	LAND USE
7.1.1	FARMING AND AGRICULTURE
7.1.1.1	CONTROL OF PEST WEEDS
7.1.1.2	DROUGHTS
7.1.1.3	FARM RELIEF
7.1.1.4	GENERAL CORRESPONDENCE
7.1.1.5	STOCK SALEYARDS
7.1.2	NATIVE TITLE CLAIMS
7.1.2.1	BULLETINS AND CIRCULARS
7.1.2.2	LEGAL ADVICE
7.1.2.3	NATIVE TITLE CLAIMS
7.1.2.4	NATIVE TITLE CLAIMS - GENERAL CORRESPONDENCE
7.2	ENVIRONMENTAL PROTECTION AND MANAGEMENT
7.2.1	LANDCARE AND ENVIRONMENTAL MANAGEMENT

FILE NUMBER	FILE DESCRIPTION
7.2.1.1	AVON CATCHMENT COUNCIL
7.2.1.2	CONTAMINATED SITES
7.2.1.3	ENVIRONMENTAL PROTECTION AUTHORITY (EPA) CORRESPONDENCE
7.2.1.4	GENERAL CORRESPONDENCE
7.2.1.5	EUROPEAN WASP PROGRAM
7.2.1.6	HERBICIDES AND PESTICIDES
7.2.1.7	NATIVE ANIMAL PROTECTION
7.2.1.8	NATIVE PLANTS/SEEDS
7.2.1.9	PERMISSION TO COLLECT FIREWOOD
7.2.1.10	REFORESTATION PROJECTS
7.2.1.11	SALINITY
7.2.1.12	SOILS AND SAND
7.2.1.13	STATE FORESTS AND PARKLAND
7.2.1.14	STORAGE AND DISPOSAL OF TYRES
7.2.1.15	TREE PLANTERS
7.2.1.16	WATERWAYS - GENERAL
7.2.1.17	WESTONIA LAND CARE DISTRICT COMMITTEE (WESTONIA LCDC)
7.2.1.18	WILDFLOWER DRIVE
7.2.1.19	GREAT WESTERN WOODLANDS GROUP
7.2.1.20	STATE LAND INFORMATION CAPTURE PROGRAM
7.2.1.21	APPLICATION CORRESPONDENCE - CLEARING NATIVE VEGETATION
7.2.1.22	BODALLIN CATCHMENT GROUP
7.2.1.23	WHEATBELT NATURAL RESOURCE MANAGEMENT
7.2.2	POLLUTION
7.2.2.1	AIR POLLUTION
7.2.2.2	POLLUTION CONTROL - GENERAL
7.2.2.3	WATERWAYS
7.2.2.4	CONTAMINATED SITES
7.2.3	SKELETON WEED PROGRAM
7.2.3.1	MINUTES & AGENDAS
7.2.3.2	CORRESPONDENCE
7.2.3.3	FINANCIAL MATTERS
7.2.3.4	TENDER R05 - 2015/2016 - SALE OF LAG VEHICLE
7.2.3.5	TENDER 4/19-20 - PURCHASE OF LAG VEHICLE
7.2.4	STATE BARRIER FENCE - YILGARN SECTION (WILD DOG FENCE)
7.2.4.1	GENERAL CORRESPONDENCE - LETTERS OF SUPPORT, ADVERTISING ECT.
7.2.4.2	FUNDING APPLICATION CORRESPONDENCE
7.2.4.3	GRANT ACQUITTALS
8.	FINANCIAL MANAGEMENT
8.1	RATES AND VALUATIONS
8.1.1	GENERAL RATES
	RATES: GENERAL, CHANGE OF OWNERSHIP, ETC: FILED UNDER ASSESSMENT #

FILE NUMBER	FILE DESCRIPTION
8.1.1.1	OFFICE OF STATE REVENUE - ADVICES & OTHER
8.1.1.2	ACCOUNT ENQUIRIES
8.1.1.3	RATES INCENTIVE COMPETITION
8.1.1.4	COMMERCIAL (SPECIFIED AREA / RATE / MARKETING LEVY)
8.1.1.5	DIFFERENTIAL RATES
8.1.1.6	RATES DEBT RECOVERY
8.1.1.7	CUSTOMER ADVICE REPORTS
8.1.1.8	LANDGATE CORRESPONDENCE
8.1.1.9	ADVERTISING NOTICE OF PROPOSED RATES
8.1.1.10	RATE PAYERS CORRESPONDENCE
8.1.1.11	CAVEATS
8.1.1.12	PENSIONER CONCESSION - RATES
8.1.1.13	CHANGE OF OWNERSHIP
8.1.1.14	PENSIONER CLAIMS
8.1.2	VALUATIONS
8.1.2.1	VALUATIONS - GENERAL
8.1.2.2	VALUATIONS - INTERIM
8.1.2.3	VALUATIONS - APPEALS / OBJECTIONS
8.1.2.4	VALUATIONS - SCHEDULES UNIMPROVED VALUES (UV)
8.1.2.5	VALUATIONS - SCHEDULES - GROSS RENTAL VALUES (GRV)
8.1.2.6	VALUATIONS - SCHEDULES - MINING TENEMENTS
8.1.2.7	VALUER GENERAL CORRESPONDENCE
8.2	FINANCE
8.2.1	ACCOUNTS
8.2.1.1	ACCOUNTS - GENERAL
8.2.1.2	ACCOUNTS - PAYABLE (CREDITORS)
8.2.1.3	ACCOUNTS - QUOTATIONS
8.2.1.4	ACCOUNTS - RECEIVABLE (DEBTORS)
8.2.1.5	DEBT COLLECTION AGENCY
8.2.1.6	INVOICES
8.2.1.7	PAYMENTS
8.2.1.8	MONEY HELD IN TRUST
8.2.2	ACCOUNTING SERVICES
8.2.2.1	AUDIT INFORMATION
8.2.2.2	AUDITORS CORRESPONDENCE
8.2.3	ANNUAL FINANCIAL REPORTING
8.2.3.1	ANNUAL AUDIT
8.2.3.2	MONTHLY FINANCIAL STATEMENTS
8.2.3.3	ANNUAL REPORTS
8.2.3.4	NATIONAL COMPETITION POLICY
8.2.3.5	FOUR YEARLY FINANCIAL MANAGEMENT REVIEW
8.2.3.6	LAND & BUILDING REVALUATION - FAIR VALUE OF ASSETS
8.2.3.7	COMMUNITY RESOURCE CENTRE - FINANCIAL REPORTING & ACQUITTALS
8.2.3.8	PLANT & EQUIPMENT REVALUATION - FAIR VALUE OF ASSETS
8.2.4	BANKING

FILE NUMBER	FILE DESCRIPTION
8.2.4.1	CREDIT CARD / EFTPOS FACILITIES
8.2.4.2	BANK STATEMENTS (TRUST & MUNI)
8.2.4.3	GENERAL BANKING & INVESTMENTS
8.2.4.4	DISHONoured CHEQUES
8.2.4.5	INVESTMENTS / TERM DEPOSITS
8.2.4.6	CREDIT CARDS
8.2.4.7	RESERVES FUNDS
8.2.4.8	AUTHORISED TRANSFER BETWEEN ACCOUNTS
8.2.4.9	BPAY
8.2.4.10	CORPORATE BUSINESS ONLINE BANKING
8.2.5	BUDGET
8.2.5.1	ANNUAL BUDGET - GENERAL CORRESPONDENCE
8.2.5.2	ANNUAL BUDGET - REQUESTS FOR CONSIDERATION
8.2.5.3	ANNUAL BUDGET (ADOPTED)
8.2.5.4	ANNUAL BUDGET DRAFT
8.2.5.5	ANNUAL BUDGET WORKING DOCUMENTS
8.2.5.6	FORWARD CAPITAL WORKS PLAN
8.2.6	GRANTS, DONATIONS AND SPONSORSHIP REQUESTS
8.2.6.1	ART AND CULTURE GRANTS
8.2.6.2	COMMUNITY WELFARE GRANTS
8.2.6.3	EMERGENCY SERVICES GRANTS
8.2.6.4	ENVIRONMENTAL GRANTS
8.2.6.5	GRANTS - GENERAL CORRESPONDENCE
8.2.6.6	GRANTS COMMISSION ROADS INFORMATION RETURN
8.2.6.7	HEALTHWAY - GENERAL
8.2.6.8	HEALTHWAY - GRANT APPLICATIONS AND ACQUITTALS
8.2.6.9	LOCAL GOVERNMENT GRANTS COMMISSION - APPLICATIONS AND ACQUITTALS
8.2.6.10	LOCAL GOVERNMENT GRANTS COMMISSION - GENERAL
8.2.6.11	LOTTERYWEST - GENERAL
8.2.6.12	LOTTERYWEST - GRANT APPLICATIONS AND ACQUITTALS
8.2.6.13	REGIONAL & LOCAL COMMUNITY INFRASTRUCTURE GRANTS (RLCIP)
8.2.6.14	ROAD GRANTS
8.2.6.15	SCHOOL SCHOLARSHIPS
8.2.6.16	SPORT AND RECREATION GRANTS
8.2.6.17	YOUTH WELFARE GRANTS
8.2.6.18	COUNTRY LOCAL GOVERNMENT FUND
8.2.6.19	DRY SEASON ASSISTANCE SCHEME 2011
8.2.6.20	DEPARTMENT OF LOCAL GOVERNMENT GRANTS
8.2.6.21	GRANTS CONSULTANT
8.2.6.22	SHIRE OF YILGARN COMMUNITY FUNDING PROGRAM
8.2.6.23	DONATION REQUESTS
8.2.6.24	SPONSORSHIP REQUESTS
8.2.6.25	REGIONAL AIRPORTS DEVELOPMENT SCHEME (RADS)
8.2.6.26	MISCELLANEOUS FUNDRAISING
8.2.6.27	WAIVER OF FEES AND CHARGES APPLICATIONS
8.2.7	INSURANCE
8.2.7.1	CERTIFICATE OF CURRENCY
8.2.7.2	INSURANCE CLAIMS - BUSH FIRE
8.2.7.3	INSURANCE CLAIMS - COUNCIL BUILDINGS
8.2.7.4	INSURANCE CLAIMS - GENERAL CORRESPONDENCE (Volunteer register)
8.2.7.5	INSURANCE CLAIMS - PLANT AND EQUIPMENT

FILE NUMBER	FILE DESCRIPTION
8.2.7.6	INSURANCE CLAIMS - PUBLIC LIABILITY
8.2.7.7	INSURANCE CLAIMS - VEHICLE AND MACHINERY
8.2.7.8	INSURANCE CLAIMS - WORKERS COMPENSATION
8.2.7.9	INSURANCE POLICIES - GENERAL CORRESPONDENCE
8.2.7.10	INSURANCE POLICIES - RENEWALS
8.2.7.11	WORKSAFE
8.2.7.12	LAND & BUILDING REVALUATION - INSURANCE PURPOSES
8.2.8	LOANS
8.2.8.1	LOANS CURRENT
8.2.8.2	LOANS FINALISED
8.2.8.3	LOANS GENERAL
8.2.9	TAXATION
8.2.9.1	AUSTRALIAN TAXATION OFFICE (ATO) CORRESPONDENCE
8.2.9.2	BUSINESS ACTIVITY STATEMENTS (BAS)
8.2.9.3	FEDERAL AND STATE TAX ON FINANCE
8.2.9.4	FRINGE BENEFITS TAXATION (FBT)
8.2.9.5	GOODS AND SERVICES TAXATION (GST)
8.2.9.6	GROUP CERTIFICATES
8.2.9.7	TAX & FINANCE SERVICES (WALGA)
8.2.10	TENDERS
8.2.10.1	TENDERS ADVERTISING
8.2.10.2	TENDERS - GENERAL CORRESPONDENCE
8.2.10.3	TENDER EVALUATION FORMS
9.	RESERVES
9.1	RESERVES
9.1.1	RESERVES
9.1.1.1	GENERAL CORRESPONDENCE
9.1.1.2	MAINTENANCE
9.1.1.3	OTHER
10.	PERMANENT RECORDS
10.1	LICENSES
10.1.1	DANGEROUS GOODS
10.1.1.1	CHLORINE
10.1.1.2	DIESEL
10.1.2	APPARATUS LICENSE
10.1.2.1	RADIO TOWER
10.1.2.2	OTHER
10.1.3	MAIN ROADS

FILE NUMBER	FILE DESCRIPTION
10.1.3.1	EXTRA MASS PERMITS
10.1.3.2	OTHER
10.1.4	WATER CORPORATION
10.1.4.1	LICENCE DEED
10.1.4.2	OTHER
10.1.5	DEPARTMENT OF ENVIRONMENT & CONSERVATION
10.1.5.1	NEW SOUTHERN CROSS LANDFILL LICENCE NO. L8603/2011/1
10.1.6	TELSTRA
10.1.6.1	PHONE CONTRACT
10.1.6.2	INTERNET
10.1.7	KLEENHEAT GAS
10.1.7.1	SUPPLY AGREEMENT
10.1.8.	SYNERGY
10.1.8.1	ELECTRICITY SALES AGREEMENT
10.1.9.	NBN
10.1.9.1	NOTIFICATION AGREEMENT
10.2	AGREEMENTS & CONTRACTS
10.2.1	BUILDINGS
10.2.1.1	COMMUNITY CENTRE
10.2.1.2	SOUTHERN CROSS BOWLING CLUB
10.2.1.3	SOUTHERN CROSS COMPLEX
10.2.1.4	SOUTHERN CROSS GOLF CLUB
10.2.1.5	SOUTHERN CROSS MOTORCYCLE CLUB
10.2.1.6	SOUTHERN CROSS TENNIS
10.2.1.7	TENANCY AGREEMENTS
10.2.1.8	SOUTHERN CROSS BOWLS AND TENNIS CLUB HOUSE
10.2.1.9	SOUTHERN CROSS BOWLING GREEN AND TENNIS COURTS
10.2.1.10	SOUTHERN CROSS CARAVAN PARK LEASE
10.2.1.11	SERVICE INSTALLATION OF INDEPENDENT LIFESTYLE UNITS CONTRACT
10.2.1.12	DAYCARE CENTRE LEASE
10.2.1.13	SOUTHERN CROSS COMMUNITY RESOURCE CENTRE
10.2.2	LAND
10.2.2.1	CBH (Co-operative Bulk Handling)
10.2.2.2	LEASE FOR LOT 849
10.2.2.3	SOUTHERN CROSS
10.2.2.4	TELSTRA -KOOLYANOBING
10.2.2.5	TELSTRA -MARVEL LOCH
10.2.2.6	WESTERN POWER
10.2.2.7	WESTRAIL
10.2.2.8	OTHER
10.2.2.9	LEASE FOR LOT 36 ON DEPOSITED PLAN 89823 AND LOT 44 ON DEPOSITED PLAN 89830

FILE NUMBER	FILE DESCRIPTION
10.2.3	LOANS
10.2.3.1	DEBENTURE FOR LOAN 97
10.2.3.2	OTHER
10.2.3.3	DEBENTURE FOR LOAN 98 - YILGARN AQUATIC CENTRE
10.2.4	LICENSING
10.2.4.1	ONLINE LICENSING AGREEMENT
10.2.4.2	OTHER
10.2.5	OTHER
10.2.5.1	BUSH FIRE AGREEMENTS
10.2.5.2	AUSTRALASIAN PERFORMING RIGHT ASSOCIATION
10.2.5.3	WASTE MANAGEMENT
10.2.5.4	SEWERAGE SCHEME
10.2.5.5	SEWERAGE SCHEME (MARVEL LOCH)
10.2.5.6	CENTRELINK SERVICES AGREEMENT FOR COMMUNITY RESOURCE CENTRE
10.2.5.7	WHEATBELT GP NETWORK
10.2.5.8	MESSAGES ON HOLD
10.2.5.9	AGREEMENT FOR PROVISION OF MEDICAL & MANAGEMENT SERVICES
10.2.5.10	ROAD MAINTENANCE CONTRACT
10.2.5.11	AERODROME OPERATOR INTERFACE ARRANGEMENT (AOIA)
10.2.5.12	DEPARTMENT OF FIRE & EMERGENCY SERVICES AGREEMENTS
10.2.5.13	MANUALS & WARRANTEES
10.2.5.14	LEIGHTON OPUS CONTRACT
10.2.5.15	GAS CYLINDERS
10.2.5.16	KEEP AUSTRALIA BEAUTIFUL
10.2.5.17	PUBLIC ROAD AND RAIL CROSSING INTERFACE AGREEMENT
10.2.5.18	CANON COPIER / PRINTER LEASE AGREEMENT
10.2.5.19	LANDFILL ATTENDANT CONTRACT AGREEMENT
10.2.5.20	TELECOMMUNICATIONS LEASE
10.2.5.21	PHOTOGRAPH CONSENT FORM
10.2.5.22	ROAD USE AGREEMENT - MINERAL RESOURCES
10.3	MEMORANDUM OF UNDERSTANDING
10.3.1	TOURISM
10.3.1.1	AUSTRALIAN SOCIETY OF AUTHORS
10.3.1.2	THE GOLDEN PIPELINE
10.3.1.3	VISITOR CENTRE
10.3.1.4	RV FRIENDLY STATUS - (CMCA)
10.3.2	SHIRES
10.3.2.1	SHIRE OF WESTONIA AND YILGARN
10.3.2.2	SHIRE OF MERREDIN
10.3.3	MEMORANDUM OF UNDERSTANDING - OTHER
10.3.3.1	STATE BARRIER FENCE
10.3.3.2	WHEATBELT EAST REGIONAL ORGANISATION OF COUNCILS (WE-ROC)
10.3.3.3	BE ACTIVE
10.3.3.4	

FILE NUMBER	FILE DESCRIPTION
10.4	OWNERSHIP
10.4.1	CERTIFICATE OF TITLE (SOUTHERN CROSS)
10.4.1.1	LOT 5
10.4.1.2	LOT 13
10.4.1.3	LOT17&18
10.4.1.4	LOT 24
10.4.1.5	LOT 52
10.4.1.6	LOT 53
10.4.1.7	LOT 55
10.4.1.8	LOT 56
10.4.1.9	LOT 81
10.4.1.10	LOT 100 & 101
10.4.1.11	LOT 127
10.4.1.12	LOT 178
10.4.1.13	LOT 185
10.4.1.14	LOT 446
10.4.1.15	LOT 519
10.4.1.16	LOT 549
10.4.1.17	LOT 606
10.4.1.18	LOT 608
10.4.1.19	LOT 716
10.4.1.20	LOT 736
10.4.1.21	LOT 780
10.4.1.22	LOT 871
10.4.1.23	LOT 882
10.4.1.24	LOT 883
10.4.1.25	LOT 923
10.4.1.26	LOT 929
10.4.1.27	LOT 931
10.4.1.28	LOT 937
10.4.1.29	LOT 966 & 967
10.4.1.30	OTHER
10.4.1.31	LOT 763
10.4.1.32	LOT 778
10.4.1.33	LOT 4 DEPOSITED PLAN 61953
10.4.1.34	LOT 2 DEPOSITED PLAN 61953
10.4.1.35	LOT 1 DEPOSITED PLAN 61953
10.4.1.36	LOT 3 DEPOSITED PLAN 61953
10.4.1.37	LOT 6 DEPOSITED PLAN 61953
10.4.1.38	LOTS 290 & 291
10.4.1.39	LOT 200 ON DEPOSITED PLAN 301557 - 11 ANTARES STREET
10.4.1.40	LOT 5 - 18 ANTARES ST
10.4.2	CERTIFICATE OF TITLE (BULLFINCH)
10.4.2.1	LOT 65
10.4.2.2	LOT 66
10.4.2.3	LOT 80
10.4.2.4	LOT 116
10.4.2.5	LOT 233
10.4.2.6	LOT 318
10.4.2.7	LOT 594
10.4.2.8	LOT 620
10.4.2.9	OTHER

FILE NUMBER	FILE DESCRIPTION
10.4.3	CERTIFICATE OF TITLE (MARVEL LOCH)
10.4.3.1	LOT 736
10.4.3.2	LOT 74
10.4.3.3	LOT 75
10.4.3.4	LOT 76
10.4.3.5	OTHER
10.4.3.6	LOT 40
10.4.4	CERTIFICATE OF TITLE (MOORINE ROCK)
10.4.4.1	LOT 20
10.4.4.2	LOT 21
10.4.4.3	OTHER
10.4.5	CERTIFICATE OF TITLE (MT HAMPTON)
10.4.5.1	TOWN HALL
10.4.5.2	OTHER
10.4.6	CERTIFICATE OF TITLE (AGRICULTURAL)
10.4.6.1	LOT 233
10.4.6.2	LOT 33
10.4.6.3	LOT 288
10.4.7	CERTIFICATE OF TITLE (OTHER)
10.4.7.1	OTHER
10.4.7.2	OTHER
10.4.7.3	LOT 7 & 8 BODALLIN
NUMBER	ASSESSMENTS

DOOLETTE
 BULLFINCH-EVANSTON
 SPICA
 DOOLETTE
 DOOLETTE
 BULLFINCH-EVANSTON
 SEWELL
 MCINNES
 MCINNES
 MUNYARD
 RANKIN
 MCINNES
 POTTER
 MUNYARD
 DRIVER
 MUNYARD
 SPICA
 RANKIN
 MUNYARD
 MUNYARD
 ALTAIR
 CORBOY
 GRIFFITHS
 KALGOORLIE
 GRIFFITHS
 GRIFFITHS
 GRIFFITHS
 *
 SIRIUS
 GRT EASTERN
 ALTAIR
 ALTAIR
 ALTAIR
 ALTAIR
 POLARIS
 ALTAIR
 ANTARES
 ALTAIR
 ANTARES

FILE NUMBER	FILE DESCRIPTION
-------------	------------------

	SPICA
	ALTAIR
	ANTARES
	SIRIUS
	SIRIUS
	ALTAIR
	GRUIS
	ANTARES
	ANTARES
	SIRIUS
	SIRIUS
	ALTAIR
	ALTAIR
	ALTAIR
	ALTAIR
	SIRIUS
	SPICA
	SPICA
	ALTAIR
	ALTAIR
	ANTARES
	POLARIS
	ALTAIR
	ANTARES
	TAURUS
	SCORPIO
	ANTARES
	ALTAIR
	SPICA
	LEONIS
	ALTAIR
	ALTAIR
	SPICA
	SPICA
	POLARIS
	SPICA
	ALTAIR
	ANTARES
	LEO
	SPICA
	ANTARES
	SPICA
	ALTAIR
	COOLGARDIE
	POLARIS
	SPICA
	ANTARES
	SPICA
	ALTAIR
	SCORPIO
	ANTARES
	SPICA
	POLARIS
	LEO
	ALTAIR
	ALTAIR
A1770	SPICA
A1780	ALTAIR
A180	ALTAIR
A1800	ALTAIR
A1810	ALTAIR
A1850	ALTAIR
A1880	ANTARES
A1890	TAURUS
A190	POLARIS
A1901	POLARIS
A1920	OMEGA
A1930	ARCTURUS
A1940	SIRIUS
A1950	SPICA
A1960	OMEGA
A1970	ANTARES
A1980	LEO
A1990	ANTARES
A200	ALTAIR
A2000	SPICA
A2010	SIRIUS
A2020	SPICA
A2030	POLARIS
A2050	ALTAIR
A2070	SPICA
A2080	SPICA
A2090	SPICA
A210	SPICA
A2110	POLARIS
A2120	ALTAIR
A2150	ALTAIR
A2160	ALTAIR
A2170	TAURUS
A2180	ORION
A2190	SPICA
A220	SPICA
A2210	SPICA
A2230	ANTARES
A2240	SIRIUS

FILE NUMBER	FILE DESCRIPTION
A2250	SPICA
A2260	ALTAIR
A230	ALTAIR
A2310	ALTAIR
A2320	OMEGA
A2340	SIRIUS
A2350	OMEGA
A2360	ALTAIR
A2370	ANTARES
A2380	ALTAIR
A240	ALTAIR
A2400	SIRIUS
A2410	SPICA
A2420	OMEGA
A2430	ALTAIR
A2440	POLARIS
A2450	ANTARES
A2460	SCORPIO
A2470	OMEGA
A250	ANTARES
A2500	ALTAIR
A2510	ALTAIR
A2520	ALTAIR
A2530	ALTAIR
A2540	ALTAIR
A260	SIRIUS
A2600	ALTAIR
A2610	SPICA
A2620	SIRIUS
A2630	SPICA
A2640	SIRIUS
A2660	SPICA
A2670	ALTAIR
A2680	ANTARES
A270	ANTARES
A2700	SPICA
A2710	SPICA
A2730	ANTARES
A2750	TAURUS
A2760	ALTAIR
A2770	LEONIS
A2780	TAURUS
A2790	TAURUS
A2820	TAURUS
A2830	TAURUS
A2840	ALTAIR
A2850	ALTAIR
A2860	ALTAIR
A2870	ALTAIR
A2880	ALTAIR
A2890	LEONIS
A290	ALTAIR
A2900	TAURUS
A2910	ALTAIR
A2920	ANTARES
A2930	SIRIUS
A2950	SPICA
A2980	SPICA
A2990	SPICA
A30	SPICA
A300	POLARIS
A3000	OMEGA
A3005	ANTARES
A3020	SPICA
A3030	OMEGA
A3050	ALTAIR
A3060	ALTAIR
A3070	SPICA
A3080	ALTAIR
A3090	SPICA
A310	ANTARES
A3100	SPICA
A3110	ALTAIR
A3120	ALTAIR
A3130	GRUIS
A3140	ALTAIR
A3160	ALTAIR
A3170	SCORPIO
A3180	SCORPIO
A3190	SCORPIO
A320	SCORPIO
A3200	SPICA
A3210	LEO
A3220	ALTAIR
A3230	ANTARES
A3240	SIRIUS
A3250	POLARIS
A3260	SCORPIO
A3270	ANTARES
A3300	ANTARES
A3310	POLARIS
A3330	POLARIS
A3350	ALTAIR
A3370	SIRIUS
A3380	SPICA

FILE NUMBER	FILE DESCRIPTION
A3390	OMEGA
A3400	POLARIS
A3410	SPICA
A3420	SPICA
A3430	TAURUS
A3440	TAURUS
A3450	LEO
A3460	TAURUS
A3470	LEO
A3480	TAURUS
A3520	TAURUS
A3560	TAURUS
A3640	ANTARES
A3650	TAURUS
A3660	TAURUS
A3675	OMEGA
A3690	TAURUS
A370	TAURUS
A3700	OMEGA
A3710	ANTARES
A3720	ALTAIR
A3730	OMEGA
A3740	TAURUS
A3760	TAURUS
A3770	TAURUS
A3780	SIRIUS
A3800	ANTARES
A3810	ANTARES
A3820	OMEGA
A3870	SPICA
A3880	SPICA
A3890	ANTARES
A400	ANTARES
A4000	ANTARES
A4010	ALTAIR
A4020	TAURUS
A4040	ALTAIR
A4045	ALTAIR
A4050	ANTARES
A4110	TAURUS
A4140	ANTARES
A4150	CANOPUS
A4170	TAURUS
A4180	LIBRA
A420	LEO
A4200	LEO
A4210	LIBRA
A4220	TAURUS
A4230	ANTARES
A4240	SIRIUS
A4250	SIRIUS
A4260	ALTAIR
A4270	ALTAIR
A4280	ALTAIR
A4290	SPICA
A430	ANDROMEDA
A4310	ANDROMEDA
A4320	ALTAIR
A4350	LIBRA
A440	LIBRA
A4470	LIBRA
A4485	LEO
A450	SPICA
A4550	LIBRA
A4555	TAURUS
A4560	ANDROMEDA
A4570	ANDROMEDA
A4575	ANDROMEDA
A4595	LIBRA
A460	LIBRA
A4610	LIBRA
A4635	LEO
A4645	LIBRA
A4655	ANTARES
A4665	ANDROMEDA
A4675	ANTARES
A4695	SIRIUS
A470	ALTAIR
A4700	TAURUS
A4715	ANTARES
A4725	LEO
A4741	ALTAIR
A4760	TAURUS
A4790	POLARIS
A480	POLARIS
A4810	POLARIS
A4840	ALTAIR
A4855	ALTAIR
A4865	POLARIS
A4870	SPICA
A4880	SIRIUS
A4890	KING
A4930	WILLIAMSON
A4940	MAZZINA
A4980	WILLIAMSON

FILE NUMBER	FILE DESCRIPTION
A500	WILLIAMSON
A520	WILLIAMSON
A540	OXIDE
A5440	LENNEBERG
A560	BURBIDGE
A570	LENNEBERG
A580	SPICA
A5910	WILLIAMSON
A60	LENNEBERG
A610	HORAN
A620	WILLIAMSON
A640	HORAN
A650	SPICA
A660	OVERINGTON
A670	BURBIDGE
A690	LENNEBERG
A7000	OXIDE
A7005	OXIDE
A7010	OXIDE
A7020	OXIDE
A7080	LENNEBERG
A7090	ANTARES
A7110	HORAN
A7120	WILLIAMSON
A7160	OXIDE
A7180	SPICA
A720	BURBIDGE
A7220	LENNEBERG
A7230	OVERINGTON
A7250	LENNEBERG
A7260	OMEGA
A7280	HORAN
A730	HORAN
A7320	KING
A7350	KING
A7360	KING
A7370	12 OXIDE
A7430	LENNEBERG
A7450	OXIDE
A7460	POLARIS
A7490	BURBIDGE
A750	WILLIAMSON
A7530	UNKNOWN
A7650	ALTAIR
A7680	OVERINGTON
A770	OXIDE
A7700	OVERINGTON
A7705	LENNEBERG
A7710	OVERINGTON
A7740	OXIDE
A780	ALTAIR
A7800	OXIDE
A7805	ANTARES
A7820	OVERINGTON
A7860	OVERINGTON
A7870	ALTAIR
A7880	OXIDE
A7910	OXIDE
A7940	OXIDE
A795	LENNEBERG
A7950	KING
A7960	LENNEBERG
A7980	ALTAIR
A80	SPICA
A8020	ALTAIR
A8030	SIRIUS
A8040	TAURUS
A8056	PICTORIS
A8060	ALTAIR
A8070	TAURUS
A810	ALTAIR
A8120	ANTARES
A820	ANTARES
A8250	ALTAIR
A8260	ALTAIR
A830	SPICA
A8310	UNKNOWN
A8320	ARCTURUS
A8330	ANTARES
A8460	ARCTURUS
A8470	SIRIUS
A8490	ARCTURUS
A850	ARCTURUS
A860	ANTARES
A870	SPICA
A88	ALTAIR
A880	SPICA
A890	SPICA
A90	ARCTURUS
A910	ARCTURUS
A940	ARCTURUS
A960	ARCTURUS
A970	ALTAIR
A980	SIRIUS
A990	BULLFINCH

Appendix 7

Register of Complaints and Minor Breach

In accordance with section 5.53(2) and 5.121 of the Local Government Act 1995, the Annual Report is required to disclose the number of Complaints of Minor Breach received each year.

For the year 2020-2021 the Shire of Yilgarn received no Complaints of Minor Breach

Disability Access and Inclusion Plan

The Shire of Yilgarn is committed to ensuring that the community is accessible and inclusive for people with disabilities, their families, and carers. The Shires Disability Access and Inclusion Plan addressed our commitments and can be found on the Shires website. Whilst no capital upgrades were undertaken, the Shire staff continued to ensure all residents and visitors to the Shire had access to facilities and events.

National Competition Policy

In accordance with statutory requirements set down in the National Competition Policy legislation, outlined below is a compliance report for the Shire of Yilgarn.

Competitive Neutrality

The Shire of Yilgarn does not have a business activity which generates a user pays income of \$200,000 or more, therefore no obligation exists for the Municipality to conduct a Public Benefits Test. Nonetheless, the Shire of Yilgarn remains committed to the principals of Competitive Neutrality.

State Records Act 2000 - Record Keeping Plan

In compliance with the State Records Act 2000, as required by Standard 2, Principle 6, Council maintains a Record Keeping Plan which is reviewed annually by the Chief Executive Officer.

Public Interest Disclosures

In compliance with the Public Interest Disclosure Act 2003, as required by Section 23, part 1, Council has appointed a PID Officer in the agency, being the Chief Executive Officer, and Council has published internal procedures relating to the agency's obligations.

For the 2020-2021 the Shire of Yilgarn received no Public Interest Disclosures

Freedom of Information Act 1992 -Information Statement

In compliance with the Freedom of Information Act 1992 Council has an Information Statement that can be obtained from the Shire's Administration Office. Councils Freedom of Information Statement was revised during 2019/2020 financial year.

Medical & Management Services Agreement

5. RECORDS

- (a) The Doctor agrees to:
 - (i) keep or cause to be kept comprehensive, true, accurate and up-to date records and accounts of:
 - (A) the Practice;
 - (B) the Doctor's performance of his or her duties under this Agreement;
 - (C) all costs and charges levied against the Shire by the Doctor pursuant to this Agreement; and
 - (D) all property (both real and personal) belonging to the Shire; and
 - (ii) keep records and accounts in accordance with generally accepted accounting principles in Australia, consistently applied.
- (b) The Medical Records are the property of the Doctor, who agrees to regularly backup the Medical Records and store any electronic copies securely off-site during the term.
- (c) The Doctor agrees to transfer all right, title and interest in the Medical Records to the Shire upon the expiry of or the earlier termination of this Agreement.
- (d) The Shire will transfer all right, title and interest in the Medical Records to any incoming Doctor upon the said Doctor executing a new agreement for the provision of medical and management services on terms acceptable to the Shire.
- (e) Following the expiration or earlier termination of this Agreement (and subject to privacy and legislative requirements) the Doctor may have access to the Medical Records upon providing the Shire at least 5 business day' notice in writing.

6. CONFIDENTIALITY

- (a) The parties agree and undertake the following covenants:
 - (i) a party shall not, without the prior written approval of the other party, disclose the other party's Confidential Information;
 - (ii) a party shall not be in breach of sub-clause 6(a)(i) in circumstances where it is legally compelled to disclose the other party's Confidential Information;
 - (iii) each party shall take all reasonable steps to ensure that its employees and agents, and any contractors engaged for the purposes of this Agreement, do not make public or disclose the other party's Confidential Information;
 - (iv) the Shire may at any time require the Doctor to arrange for its employees and contractors engaged in the performance of this Agreement to execute a suitable confidentiality deed. The Doctor shall (at the Doctor's cost) arrange for all such deeds to be executed within the timeframe proposed by the Shire in its absolute discretion;
 - (v) the Doctor shall (on demand) return to the Shire any documents supplied by the Shire to the Doctor in connection with this Agreement; and

Disaster Management Plan for Hard Copy Records

Focus Points:

- 1 Responsible Officer: The officer responsible should a disaster take place that takes control of the situation and makes decisions. This will usually be the CEO.

Support Officers: The people called in to help. These will usually be the managers that are available.

- 2 Actions:

- Who should be called first? (in order)
 - Call 000
 - CEO or the Responsible Officer
 - DCEO
 - Manager for Works
 - Manager for environmental Health
- See list below of other organisations that may need to be contacted.
- Recover the Disaster Recovery Kit / Bin, located in the storage room.

- 3 Disaster Recovery Kit containing:

- Copy of the disaster plan
- A map / floor plan of the building
- Records Damage Sheet – Appendix 10
- Large plastic rubbish bin
- 2 x buckets
- Black rubbish bags
- Rubber gloves
- Clipboard & pen
- Marking texta
- Clear plastic sheeting
- Packing tape
- Scissors and utility knife
- Sponges
- Mop

Appendix 10

[illegible]

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Principle 1. Background	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
Historical Information	Y	3		
Strategic Focus Identified	Y	3		
Business Activity Identified	Y	3		
Outsourced Functions Identified	Y	3		
Major Stakeholders Identified	Y	3		
Enabling Legislation	Y	3		
Legislation – Other	Y	3		
Major Govt Policy and/or Industry Standards	Y	3		
Identified areas for improvement				

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Principle 2. Policies & Procedures	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
Recordkeeping Systems Overview	Y	3		
Business Information Systems Overview	Y	3		
Policy & Procedures (P&P)				
Correspondence Capture & Control	Y	3		
Elected Members Records Capture & Control	Y	3		
Digitization <i>(if applicable)</i>	Y	3		
Distribution	Y	3		
File Creation/Closure	Y	3		
Access to Corporate Records	Y	3		
Disposal	Y	3		
Electronic Records	Y	3		
Email Management	Y	3		
Website Management	Y	3		
Metadata Management	Y	3		
System/s Management	Y	3		
Migration Strategy	Y	3		
Other	Y	3		
Policy & Procedure Manual				
Adequate coverage	Y	3		
More info required	Y	3		
CEO Certification of P&P	Y	3		
Evaluation of P&P	Y	3		

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Principle 3. Language Control	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
Keyword for Councils (KFC) Implemented	N/A			
Admin records				
Functional records OR				
Thesaurus (other than KFC)	N/A			
Admin records				
Functional records OR				
File Plan / List of Headings Appropriate terms for : -				
Admin records	Y	3		
Functional records	Y	3		
Agency's assessment of its effectiveness				
Effectiveness of terms	Y	3		
Ease of classification & indexing	Y	3		
Ease of retrieval	Y	3		
Identified areas for improvement			Investigate the implementation of Keywords for Councils	

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Principle 4. Preservation	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
Assessment of the risks				
Storage – on site	Y	3		
Storage – off site	Y	3		
Storage – data centre / cloud	Y	3		
Storage – Archives	Y	3		
Storage – back-ups	Y	3		
Quantity of temporary records (linear metres)	Y	3		
Quantity of archival records (linear metres)	Y	3		
Volume of digital information stored (Gb/Tb/Pb)	Y	3		
Security & Access	Y	3		
Assessment of the impacts of disasters to records				
Impact of damage	Y	3		
Impact of loss	Y	3		
Other	Y	3		
Strategies in place for preservation and response				
Vital records program	Y	3		
Back-up procedures	Y	3		
Preservation – electronic records	Y	3		
Security	Y	3		
Storage reviews	Y	3		
Recovery of lost information	Y	3		
Identified areas for improvement				

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Principle 5. Retention & Disposal	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
General Disposal Authority for Local Government Records in use	Y	3		
General Disposal Authority for Source Records in use	Y	3		
Existing Ad Hoc Schedules				
Registration Number/s	N/A			
Existing Disposal Lists				
Registration Number/s	N/A			
Restricted Access Archives identified	Y	3		
Transfer of Archives	Y	3		
Non-Transfer of Archives	Y	3		
Disposal Program		3		
Implemented	Y	3		
Frequency	Y	3		
CEO Authorisation	Y	3		
Identified areas for improvement			Conduct regular disposal programs	

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Principle 6. Compliance	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
Staff Training, Information Sessions				
In-house RM training	Y	3		
External RM training	Y	3		
Staff info sessions	Y	3		
Staff coverage AND/OR	Y	3		
Brochures or Newsletters				
With RM content AND	N			
Induction Programs				
Conducted	Y	3		
Coverage – all staff	Y	3		
Coverage – topic	Y	3		
Performance Indicators in place	Y	3		
Agency's evaluation – of efficiency & effectiveness	Y	3		
Annual Report excerpt		3		
Recordkeeping training for staff	Y	3		
Compliance	Y	3		
Identified areas for improvement			Improved records training/induction on commencement with Council	

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Principle Components	Assessment			
	1. Inadequate	2. Acceptable but Requires Development	3. Effective	4. Very Good
Standard 6. Outsourced Functions	Included in RKP Yes or No	Rating 1 - 4	Further Comment (if the rating is less than 3 include strategies for improvement and timelines for completion)*	SRO Use Only
Outsourced Functions – Identified	Y	3		
Recordkeeping issues included in contracts				
Planning	Y	3		
Ownership	Y	3		
Control	Y	3		
Disposal	Y	3		
Access	Y	3		
Custody	Y	3		
Contract Completion	Y	3		
Identified areas for improvement				

SHIRE OF YILGARN RKP SELF-EVALUATION CHECKLIST

Further comment

Prepared by

Name: Cameron Watson_____

Position: Executive Manager Corporate Services_____

Reviewed by

Name: Nic Warren_____

Position: Chief Executive Officer_____

Statement by Chief Executive Officer or Principal Officer, or delegate

In accordance with the *State Records Act 2000* I hereby submit for your consideration and submission to the State Records Commission the Recordkeeping Plan / amended Recordkeeping Plan of the Shire of Yilgarn_____.
The Recordkeeping Plan has been prepared in accordance with the provision of the *State Records Act 2000* and the State Records Commission Principles and Standards.

Name: Nic Warren_____ Position: Chief Executive Officer_____ Date :_____

Signed: _____



Covalent Lithium Logistics Road Upgrade

Shire of Yilgarn - Design and Construction

Scope of Work Approval

Mt Holland Lithium Project					
Document No.	COV-C000-CI-PRP-0002		Document classification	Confidential	
Document control					
Rev	Description	Originator	Reviewer	Project approval	Date
0	Issued for internal review	JD			9/10/22

Contents

1	Introduction	3
1.1	Location	3
2	Acronyms.....	3
3	Road Upgrades – Per Section	4
3.1	General	4
3.2	GEH – PRR Intersection	4
3.3	PRR - Bitumen Overlay & Reconstruction	4
3.4	PRR & MLF Gravel Road Upgrade – Gravel Road Upgrade.....	6
3.5	MRL Bypass to end of Buffalo Road Bypass – Gravel Road Upgrade.....	6
3.6	PRR & MLF – Safety Barriers	8
4	Basis of Design – Per Area	8
4.1	Imported Material Estimate.....	8
4.2	Design Principles	9
4.3	Basis of Design – Tables	10
4.4	Drainage – Culverts	12
5	Scope of Work - Specifications.....	13
6	Construction Tendering and Award – Proposed Timeline	14

1 Introduction

This report provides the design and construction basis to support the tendering, award and construction of the upgrades to the Parker Range Road (PRR) and Marvel Loch / Forrester Road (MLF) logistics route, an approximate 113.3km distance, the route previously approved by the Shire of Yilgarn (SoY).

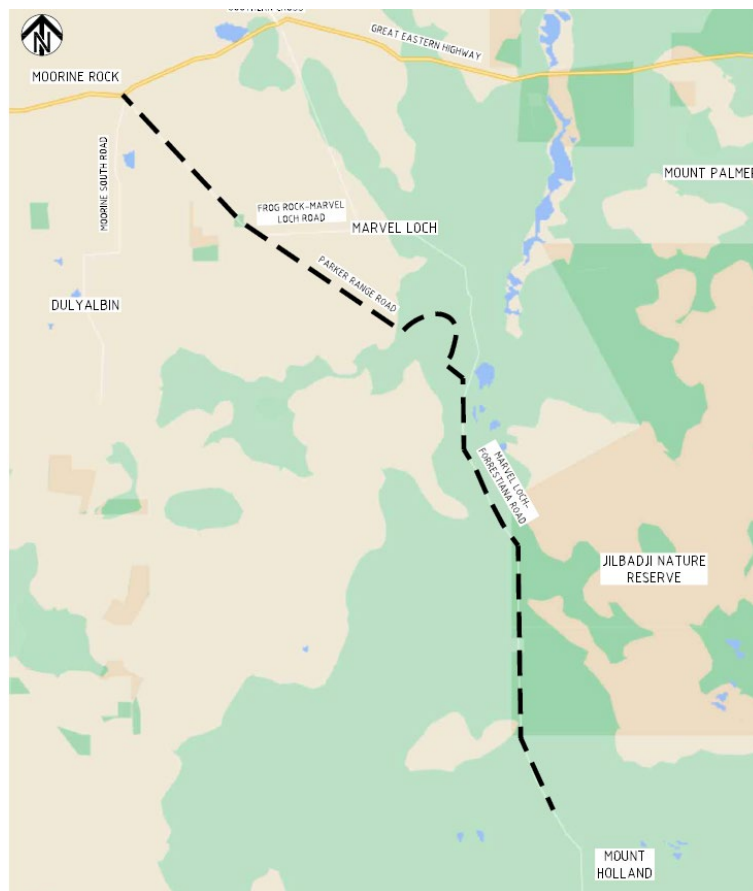
The presented design aligns with the instruction provided by the SoY (letter 9049 1001 Haulage Route Road Profile Determination, issued 23 May 2022), and as an overview consists of an 8 on 11 cross section for the entire length of construction and includes a 150mm overlay reconstruction of the existing 30km PRR bitumen section.

This report seeks final approval from the SoY (subject to the approval of the road maintenance agreement being executed prior to construction commencement) to progress through tendering to award based on the provided design drawings and proposed construction methodology, both of which have been workshopped with the SoY Executive Manager of Infrastructure (Glen Brigg) and the SoY design consultants.

1.1 Location

As previously provided, the road upgrade commences from the Great Eastern Highway (GEH) near Moorine Rock, includes the entire length of PRR through to the MLF intersection and continues along MLF through to the Mt Holland Mine site as depicted in the below snapshot.

Diagram 1 – Logistics Road Route



2 Acronyms

The following acronyms are applied throughout this report

Acronym	Meaning
GEH	Great Eastern Highway
MLF	Marvel Loch / Forrestaina
MRL	Mineral Resources Ltd
PRR	Parker Range Road
SoY	Shire of Yilgarn
MRWA	Main Roads Western Australia
AGRD	AUSTROADS Guide to Road Design

3 Road Upgrades – Per Section

3.1 General

The chainages per km referenced throughout this report are the continuous from start to finish, commencing at 0.0km at the GEH / PRR intersection through to 113.3km at the Mt Holland Mine Site. Recognisable landmarks, i.e road names will be referenced throughout this report to identify locations, with MRWA SLK mapping specific to each road also included within the design.

The typical cross section diagrams provided in the basis for design for the PRR overlay and PRR/MLF gravel section upgrades conform to an 8 on 11 cross section across the entire route, with minor increases through bends to facilitate safe driving conditions.

3.2 GEH – PRR Intersection

Through consultation with MRWA, the connection intersection between the GEH and PRR will be designed and constructed by MRWA. Covalent currently has a fortnightly meeting scheduled with MRWA, with design concept progressing towards appointing a designer, and works scheduled to commence Q4 2023. The current concept is for a sweeping bend connecting PRR to the GEH, entering on an acceleration lane prior to merging with other traffic flow along the GEH. It is anticipated the MRWA scope will connect approximately 0.2km along PRR.

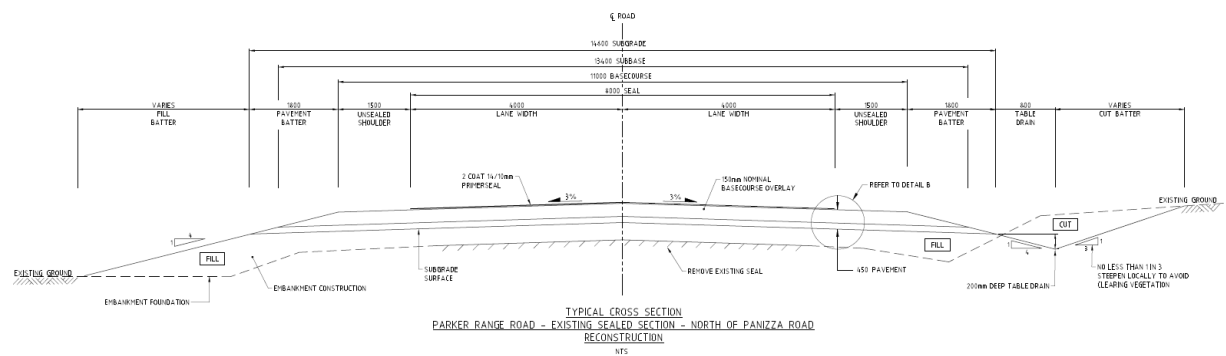
Covalent will provide the SoY with regular updates as these works progress.

3.3 PRR - Bitumen Overlay & Reconstruction

The PRR bitumen overlay consists of a minimum 300mm pavement reconstruction of the existing shoulders and includes blending of the existing bitumen surface through the existing profile area, followed by a 150mm pavement overlay across the entire 11mtr cross section, making a minimum 450mm pavement layer across this entire section of road, prior to applying the final bitumen surface. As explained further below, approximately 4km of the PRR bitumen will be a full reconstruction to lift the height of the road through several areas where the design speed does not conform to a 110km/hr speed limit, hence the overlay applies to the remaining 26km of this section.

The below PRR overlay cross section sets out the variables across the drainage, shoulders and potential for additional pavement depth should at risk areas be identified.

Diagram 2 – PRR Overlay Typical Cross Section

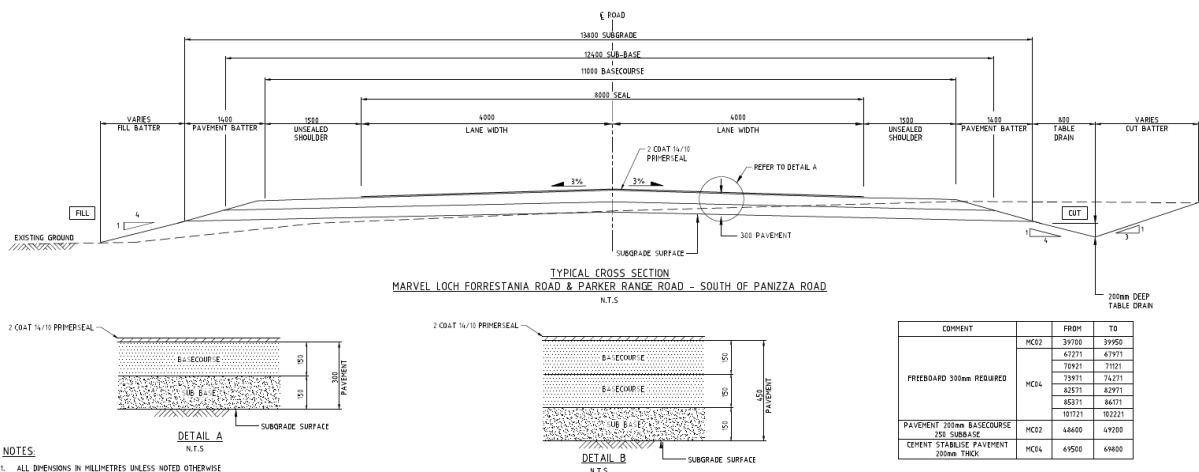


3.4 PRR & MLF Gravel Road Upgrade – Gravel Road Upgrade

The PRR & MLF typical cross section for the gravel road upgrades provides for importing a minimum 300mm pavement layer through the majority of the road sections, with an area in Design Drawings MC02 requiring a 450mm pavement layer (48.6-49.2km along PRR) and a cement stabilised pavement layer in an area in Design Drawings MC04 (69.5-69.8km along MLF).

The following typical cross section diagram is the design basis for the upgrade works through the PRR and MLF gravel sections.

Diagram 5 – PRR and MLF Gravel Upgrade Typical Cross Section



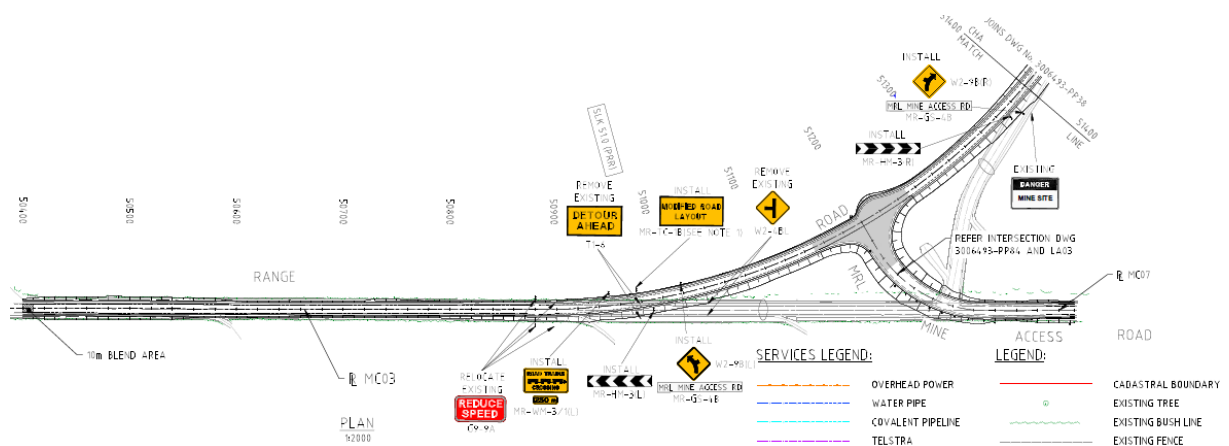
3.5 MRL Bypass to end of Buffalo Road Bypass – Gravel Road Upgrade

This section specifically covers the design requirements along an approximate 12km section commencing from Emu Fence Road (50.4km), continuing through the MRL bypass to the MLF intersection and continuing to the end of the Buffalo bypass road.

The following diagram sets out the required changes to the existing MRL intersection connecting to PRR. Covalent has provided the design documents for the SoY to provide to MRL depicting the changes. The entry bend and interconnecting works are a MRL responsibility, however as Covalent will have a construction contractor on site it may consider performing the works, with MRL providing full reimbursement of the costs.

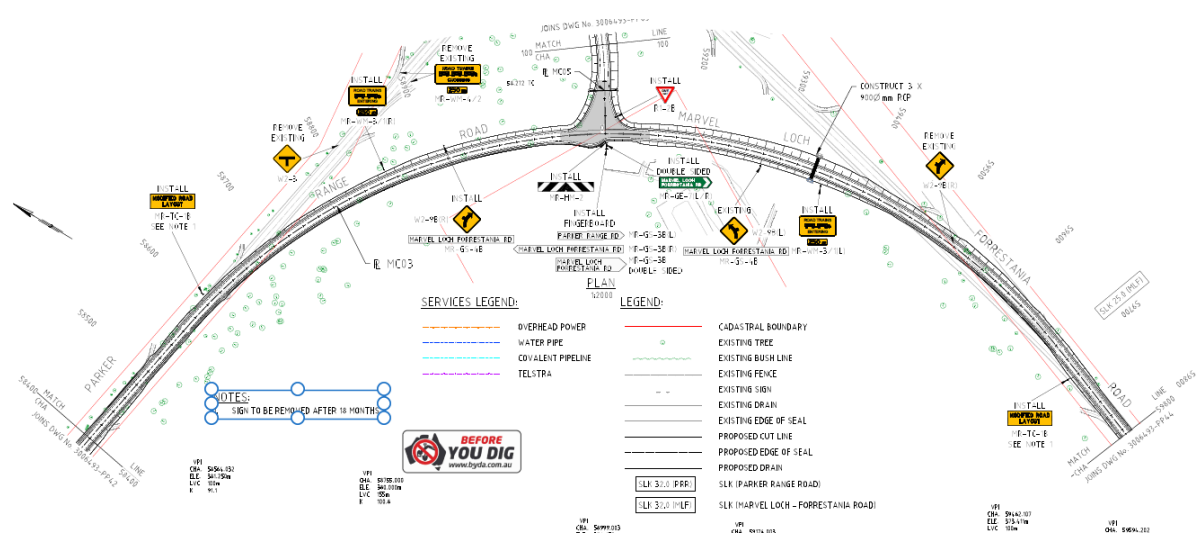
The full MRL bypass works are from 50.9 – 57.5km and require other minor realignment works, including modification to the re-entry point to PRR to reduce the tightness of the curves.

Diagram 6 - PRR & MRL Connection Intersection (50.9km)



The following diagram sets out the PRR – MLF intersection changes.

Diagram 7 – PRR – MLF Intersection (58.5 – 59.4km)



The following two (2) diagrams set out the realignment of the Buffalo bypass.

Diagram 8 – Buffalo Bypass (60.1 – 61.2km)

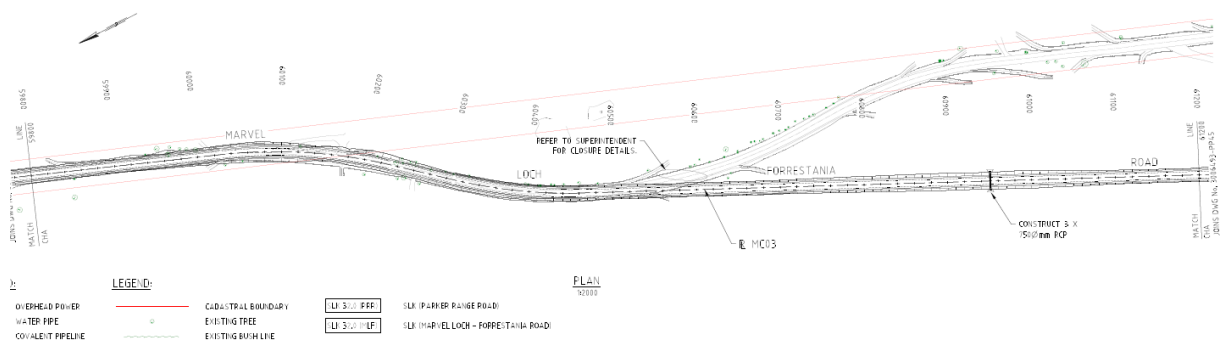
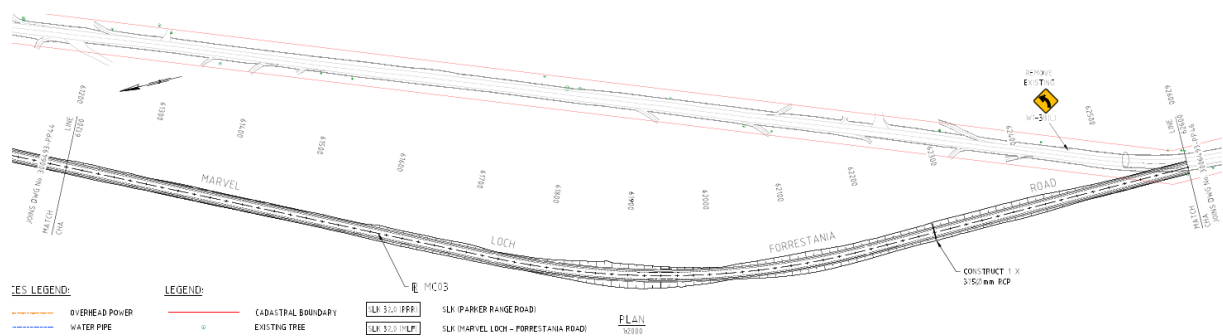


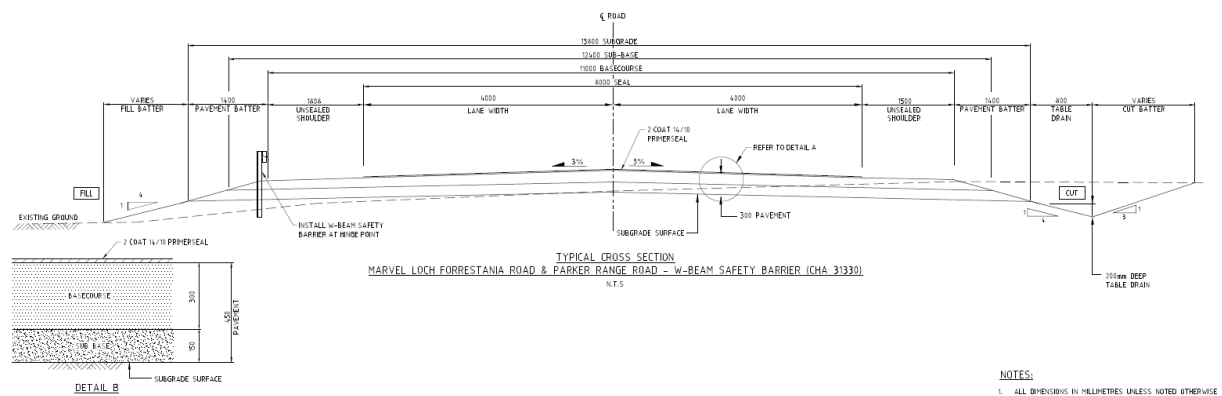
Diagram 9 – Buffalo Bypass (61.2 – 62.6km)



3.6 PRR & MLF – Safety Barriers

The following typical cross section provides for those areas where guard rail is required due to established trees encroaching on the road shoulders and drains.

Diagram 10 - PRR & MLF W-Beam Safety Guard Rail Cross Sections



4 Basis of Design – Per Area

The design documents have chainages commencing from 0km at the GEH/PRR intersection has been broken into several packages as follows:

- MC01 – PRR Bitumen (0-30.4km)
- MC02 – PRR Gravel to MRL Intersection (30.4 – 50km)
- MC03 – Start of MRL Bypass – End of Buffalo Bypass (50 - 62.6km)
- MC04 – End Buffalo to Mt Holland Mine Site (62.6 – 113.3km)
- MC05 – MLF Connection Tie-in to PRR/MLF Intersection (59.1km)
- MC06 – Mt Holland Mine Access Road Connection Intersection (113.3km)
- MC07 – MRL Access Road Connection Intersection (50.9km)

4.1 Imported Material Estimate

Based on meeting the design speed and providing suitable drainage to mitigate the existing issues with gravel sections of the road, there is a requirement to import a significant amount of material sourced from local farmland and Crown land. The magnitude of the required material balance places a high risk and increased cost on the construction effort which is currently being developed.

As can be seen from the quantities of imported material and average elevations across the construction areas, considerable effort has been applied to mitigate the effects of ponding and promote positive drainage.

The quantities in the table below are a current estimate, which is subject to change. Of note, the

- estimates are formulated in line with the Covalent proposed separable portion approach for construction and do not mirror the sections broken out through this report.
- estimates are estimates only and carry a 1.5 factor for compaction, wastage and shoulder and drain construction.

Table 1 – Estimate of quantities and Average Elevations

	UOM	PRR Bitumen	PRR Bitumen	PRR Bitumen 4km Recon	PRR - Emu Fence	MRL - Buffalo	Buffalo - Bend	MLF Bend	Bend - Pipeline	Pipeline - Site	TOTAL IMPORTE D
	m²	176,000	110,000	44,000	220,000	143,000	187,000	44,000	165,000	44,000	1,133,000
	km	0-18km	18-30km	Various	30-50km	50-63km	63-80km	80-84km	84-109km	109-113km	
Separable Portions		SP A	SP B	SP A & B	SP C	SP D	SP E	SP F	SP G	SP H	TOTAL
Embankment foundation compaction	m²				301,021	227,245	228,935	50,481	355,202	64,023	
Embankment construction using imported	m³				156,000	108,200	31,274	11,536	106,470	22,266	435,746
Embankment construction cut to fill	m³				3,000	25,000	60,000	10,000	45,000	1,000	
Subgrade preparation	m²				269,733	182,725	249,816	55,086	338,607	59,760	
150mm Thick subbase	m²				261,903	176,554	224,527	49,510	304,132	51,689	1,068,315
150mm Thick basecourse	m²				231,170	158,420	199,238	43,934	269,985	45,891	948,638
QTY COMPACTED		63,600	41,340	66,000	229,961	158,446	94,839	25,553	192,588	36,903	909,229
QTY LOOSE		95,400	62,010	99,000	344,941	237,669	142,258	38,329	288,881	55,355	1,363,843
AV ELEVATION COMPACTED (mtrs)		0.36	0.38	1.50	1.05	1.11	0.51	0.58	1.17	0.84	0.80
AV ELEVATION LOOSE (mtrs)		0.54	0.56	2.25	1.57	1.66	0.76	0.87	1.75	1.26	1.20

4.2 Design Principles

The general design principles are as per the following table.

Table 2 – General Design Principals (0 -113.3km, entire route)

Criteria	Source	Design Basis	Comments
Design vehicle		Net 7 / PBS	36.5 m vehicle turning template to be used
Design speed		110 km/h	The road is de-restricted (not speed zoned) which means that vehicles can drive up to 110 km/h if it is safe to do so.
Horizontal Alignment			
Crossfall	AGRDR Part 3	3% typical	
Superelevation	AGRDR Part 3	6% max	
Transition lengths	AGRDR Part 3	As per Austroads	Transition curves will be avoided if possible
Min Radii	AGRDR Part 3	600mtr	540 m absolute minimum – requires transition curve
Sight Distance	RAV route assessment guideline	252mtr (flat) for HV	At grades, Table at Appendix D of RAV route assessment guideline
	AGRDR Part 3	209mtr (flat) for cars	At grades, Table 5.5 AGRDR Part 3
Minimum length or curve	AGRDR Part 3 (section 7.6.2)	120mtr (abs min) 240mtr (recommended)	
Vertical Alignment			
SSD	RAV route assessment guideline	252mtr (trucks)	At grades, Table at Appendix D of RAV route assessment guideline
	AGRDR Part 3 Table 3.1	209mtr (cars)	At grades, Table 5.5 AGRDR Part 3

SISD	AGRD Part 4a Table 3.2	300mtr (cars)	
K value (crest)	AGRD Part 3	97.3 desirable / 83.6 min (car) 79.7 desirable for truck / 73 minimum (with Rt 2.5)	Truck K value calculated as per Equation 1 (AGRD Part 3) with S = 252, h1=2.4, h2=0.2
K value (sag)	AGRD Part 3	51 desirable / 38 min (car) 62.9 desirable (truck)	Headlight criteria Eq. 21 with S=252, h=0.65
Gradient	AGRD Part 3	4% (unsealed) – 6% (sealed)	Maximum length of gradients as per Table 6 of RAV assessment guidelines

4.3 Basis of Design – Tables

The following table sets out the basis of design across the varying packages covering all design fundamentals:

Table 3 - PRR Bitumen (0 -30.4km)

Criteria	Design Basis	Comments
Formation width	11mtr carriageway	
Seal width	8mtr sealed width	150mm overlay to be applied over existing seal (approximately 5.6m wide). Where seal required to be widened 300mm pavement allowed
Lane widths	4mtr	
Shoulder width	1.5mtr	Unsealed
Batter slope	1V:4H	Fill batter
Batter slope	1V:3H	Cut Batter
Pavement Design		
Seal type	14/10mm two coat primer seal with Class170 bitumen.	
Asphalt	N/A	
Pavement batter	1V:4H	
Basecourse	150mm	In shoulder sections of seal widening basecourse thickness will be 300mm
Sub-base	150mm	
Pavement batter	1.4mtr	
Line-marking	TBA, potential centre line	To be finalised between SoY, MRWA and Covalent
Drainage Design		
Drain slope	Foreslope 1V:4H Backslope 1V:3H	
Drain depth	200mm	From top of subgrade
Culverts		
Culverts	36, majority extensions to existing	2 New culvert installs. Qty includes connecting roads and property accesses
Bypasses		
	Nil	

Table 4 – PRR Gravel (30.4 – 59.2km)

Criteria	Design Basis	Comments
Formation width	11mtr carriageway	
Seal width	8mtr sealed width	

Lane widths	4mtr	
Shoulder width	1.5mtr	Unsealed
Batter slope	1V:4H	Fill batter
Batter slope	1V:3H	Cut Batter
Pavement Design		
Seal type	14/10mm two coat primer seal with Class170 bitumen.	
Asphalt	14mm Intersection mix with A20E polymer at nominated intersections only.	
Pavement batter	1V:4H	
Basecourse	150mm	In shoulder sections of seal widening basecourse thickness will be 300mm
Sub-base	150mm	
Pavement batter	1.4mtr	
Line-marking	TBA, potential centre line	To be finalised between SoY, MRWA and Covalent
Drainage Design		
Drain slope	Foreslope 1V:4H Backslope 1V:3H	
Drain depth	200mm	From top of subgrade
Culverts		
Culverts	15 Culverts	11 New culvert installs, plus 4 existing to be replaced
Bypasses		
MRL Bypass	51.1 – 57.4km	Existing MRL requirement to deviate PRR in this area. Covalent has produced a design compliant with 110km/hr design speed and Shire requirements with respect to cross-sectional width and pavement composition to be issued to MRL
PRR connection to MLF	58.9 – 59.7km	New sweeping bend and intersection design developed to accommodate main flow of traffic through between MLF and PRR.

Table 5 – MLF Gravel (59.2 – 113.3km)

Criteria	Design Basis	Comments
Formation width	11mtr carriageway	
Seal width	8mtr sealed width	
Lane widths	4mtr	
Shoulder width	1.5mtr	Unsealed
Batter slope	1V:4H	Fill batter
Batter slope	1V:3H	Cut Batter
Pavement Design		
Seal type	14/10mm two coat primer seal with Class170 bitumen.	
Asphalt	14mm Intersection mix with A20E polymer at nominated intersections only.	
Pavement batter	1V:4H	
Basecourse	150mm	In shoulder sections of seal widening basecourse thickness will be 300mm
Sub-base	150mm	
Pavement batter	1.4mtr	
Line-marking	TBA, potential centre line	To be finalised between SoY, MRWA and Covalent

Drainage Design		
Drain slope	Foreslope 1V:4H Backslope 1V:3H	
Drain depth	200mm	From top of subgrade
Culverts		
Culverts	31 Culverts	28 New culvert installs, plus 3 existing to be replaced
Bypasses		
Buffalo Bypass	58.9 – 59.7km	Existing Buffalo bypass (under construction) to accommodate Aurenne's new mining development, does not meet horizontal design criteria for a 110km/hr road and has safety concerns with entry points from the mine. Covalent has produced a design compliant with 110km/hr design speed and to mitigate the risk at the entry points.

4.4 Drainage – Culverts

As an overview and further to explain the above, the new design for the entire route includes an increase in culverts, diversion drains and changes to the table drains to move water swiftly away from the road surface and shoulders to eliminate ponding and stagnant water. A working session was conducted with the SoY to confirm the proposed culvert locations aligned with the SoY requirements prior to finalising the locations in the design.

A. Parker Range Road Bitumen 0 – 30.4km

The bitumen section of Parker Range Road will have the existing culverts extended to meet the new 8 on 11 road cross section. Inclusive of upgrades to intersection road culverts and property accesses along this portion of road, there will be approximately 36 culvert upgraders along this section.

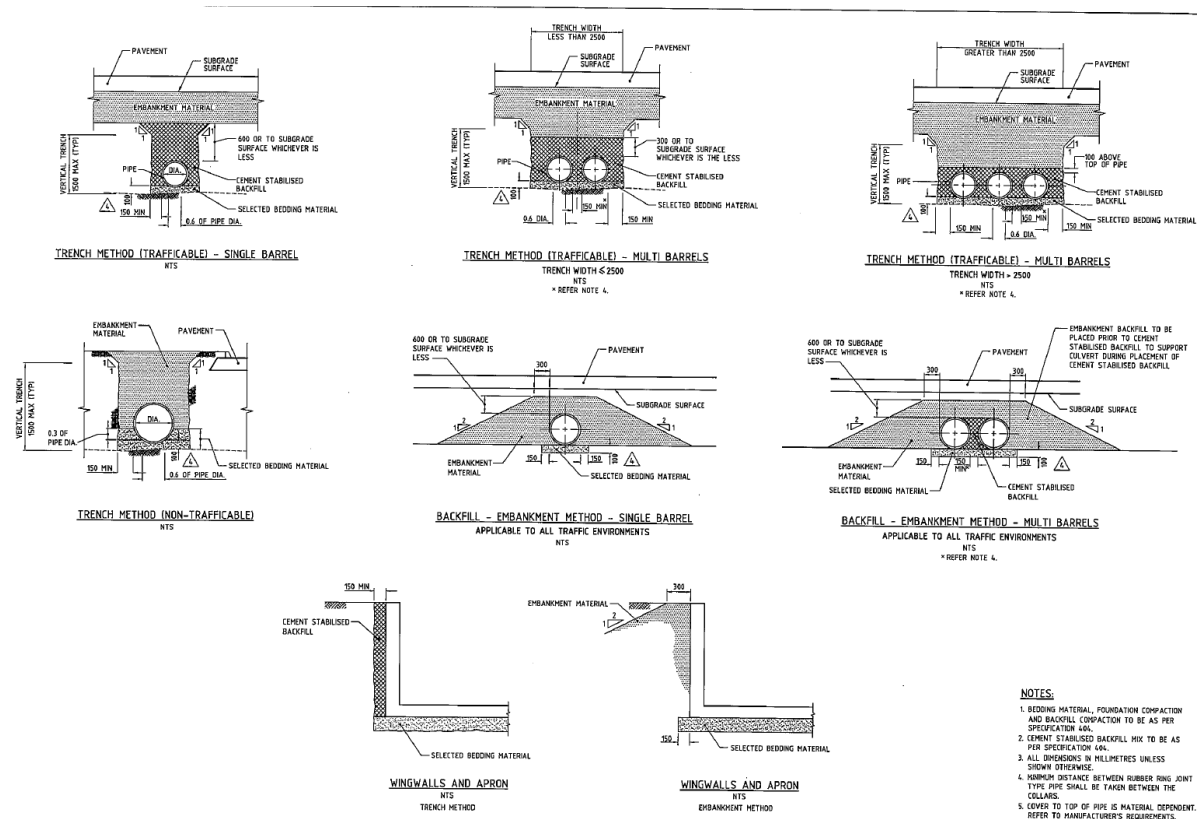
B. Parker Range Road – Marvel Loch / Forrestania – Mt Holland Mine Site 30.4 – 113.3km

The road upgrade along this portion includes significant cut and fill profile changes through the gravel portion of the length to meet the design speed and mitigate the poor drainage within the existing road footprint. The design has compensated for most of the existing road profile being below the existing verge, with major changes to road elevation levels (as show in the qty's table above) across the entire 84km gravel portion of the road upgrade. Included in this will be the replacement of 7 existing culverts and the introduction of 40 new culverts, making 47 culverts across this portion of the road. This coupled with the road elevations will manage water flow away from the road pavement surface.

C. Standard Drawings – Culverts

The below diagram provides the conceptual culvert design, with multiples of the below used across the route, dependant on the location and requirements.

Diagram 11 – Culverts Typical Drawing



5 Scope of Work - Specifications

Covalent, in consultation with the SoY Executive Manager of Infrastructure (Glen Brigg), have formulated the construction scope of work incorporating the MRWA specifications. A workshop was held on the 27th and 28th September with the SoY, including the SoY design consultants, reviewing the draft scope of work and specifications in preparation for tendering.

The incorporated MRWA specifications are as follows:

- Specification 100 – General Requirements
- Specification 201 – Quality Systems
- Specification 202 – Traffic
- Specification 203 – Health and Safety Management
- Specification 204 – Environmental Management Major Works
- Specification 301 – Vegetation Clearing and Demolition
- Specification 302 – Earthworks
- Specification 303 – Material and Water Sources
- Specification 304 – Rehabilitation of Disturbed Areas
- Specification 402 – Surface Drains and Levees
- Specification 404 – Culverts
- Specification 406 – Rock Protection
- Specification 501 – Pavements
- Specification 503 – Bituminous Surfacing
- Specification 504 – Asphalt Wearing Course
- Specification 511 – Materials for Bituminous Treatments
- Specification 601 – Signs
- Specification 602 – Guideposts
- Specification 603 – Safety and Traffic Barrier Systems
- Specification 819 – Falsework
- Specification 821 – Formwork
- Specification 822 – Steel Reinforcement

- Specification 901 – Concrete General Works
- Specification 903 – Fencing

6 Construction Tendering and Award – Proposed Timeline

Construction contractors were selected through a robust identification and evaluation process, condensing down to six (6) tenderers remaining. Covalent has held multiple prequalification and briefing sessions with all proposed tenderers to date and kept the SoY informed with slides and updates through the process.

Covalent is currently progressing all required documentation in anticipation of releasing the main construction tender in late October 2022, with a proposed tender close date of late November/early December.

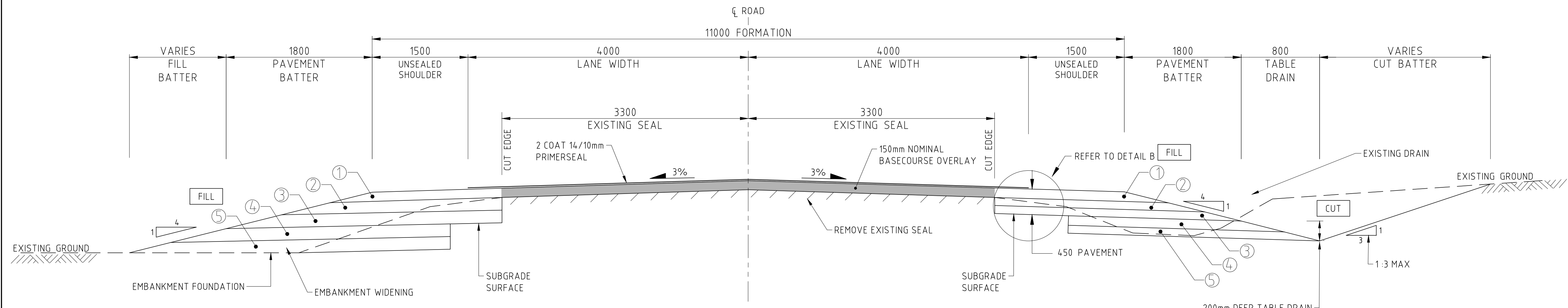
This will be followed by internal reviews, clarifications with tenderers, negotiations, internal approvals, and a potential award in January 2023. The Soy will be kept abreast of proceedings through regular updates and also invited to participate in review of tender technical submissions and scoring.



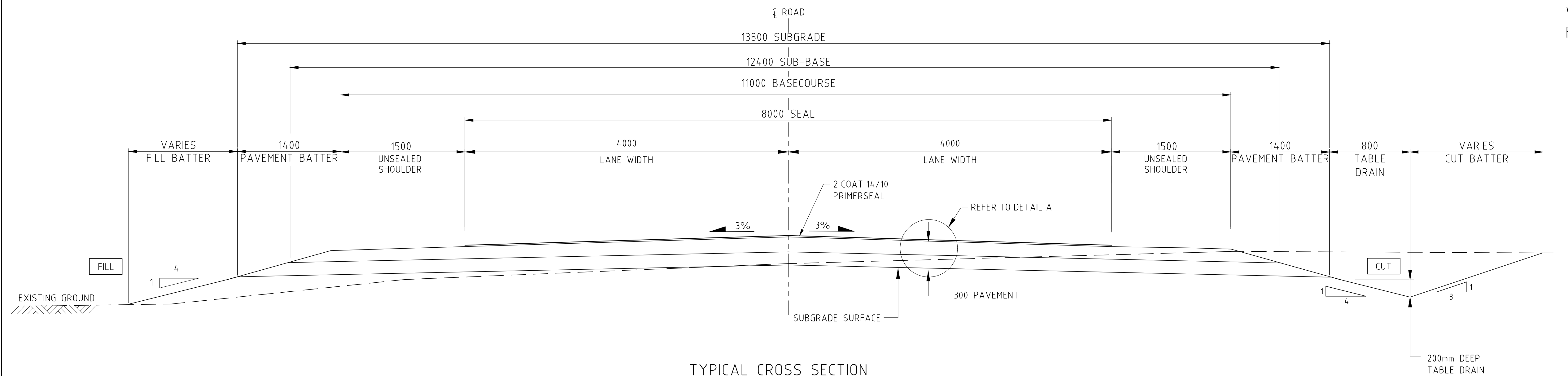
MOUNT HOLLAND LITHIUM MINE HAUL ROUTE
UPGRADE OF PARKER RANGE ROAD 0.1 SLK TO 57.04 SLK
& MARVEL LOCH FORRESTANIA ROAD 24.23 SLK TO 78.6 SLK

SHIRE OF YILGARN

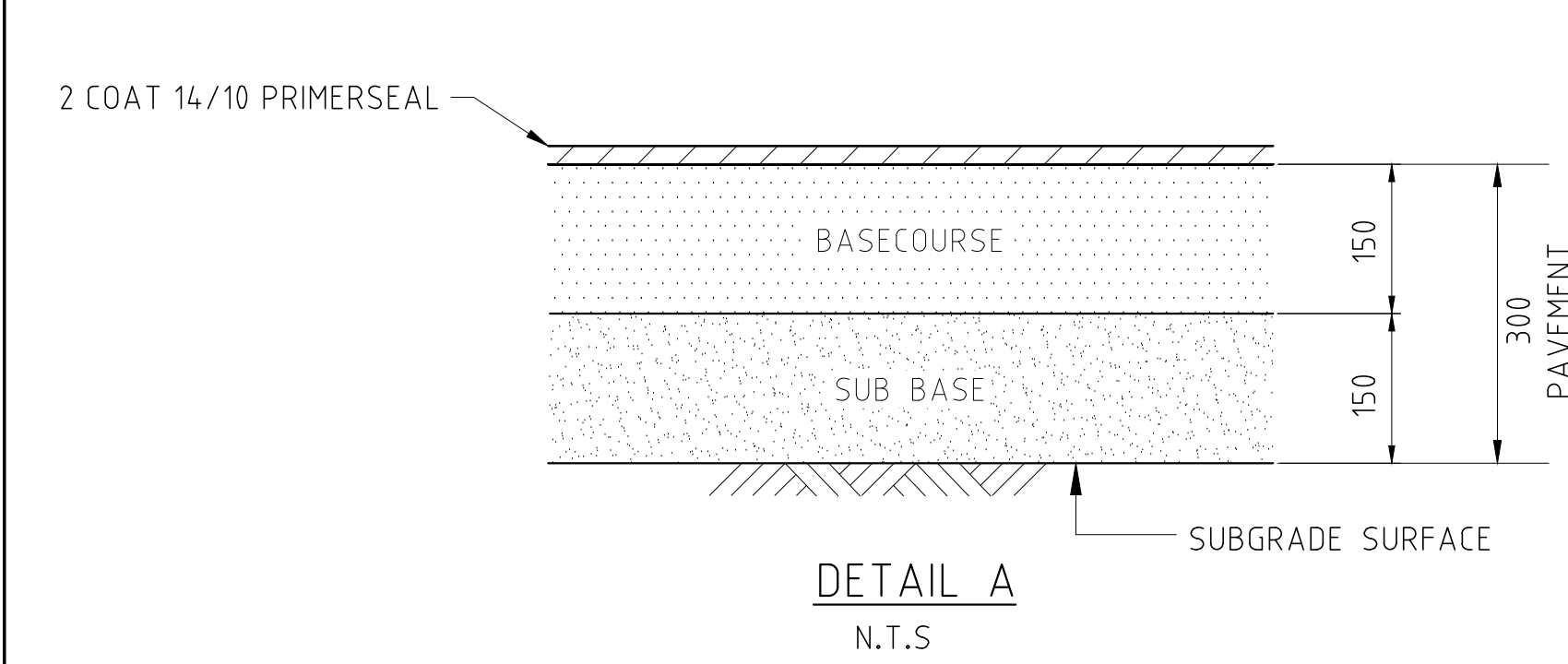
DRAWINGS - ROADWORKS



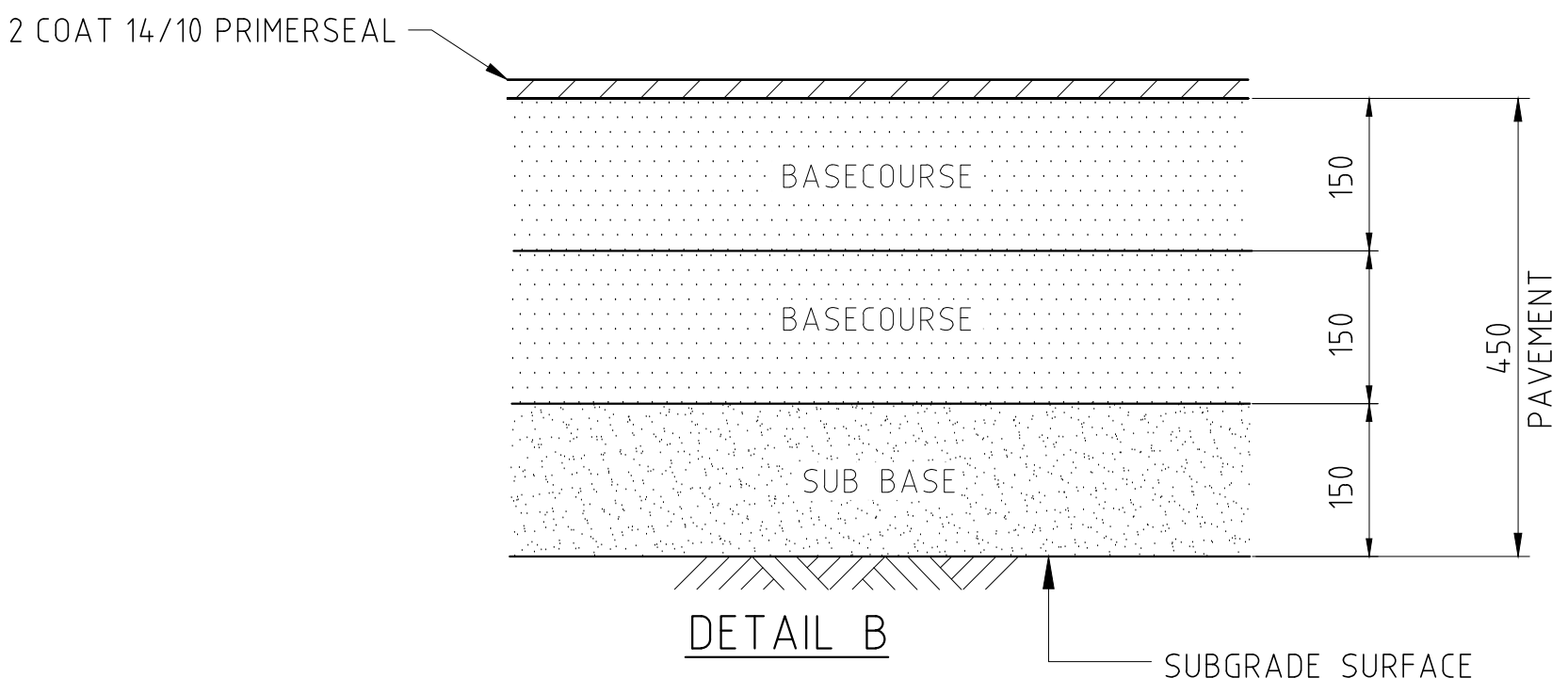
TYPICAL CROSS SECTION
PARKER RANGE ROAD - EXISTING SEALED SECTION - NORTH OF PANIZZA ROAD
WIDEN AND OVERLAY
N.T.S



TYPICAL CROSS SECTION
MARVEL LOCH FORRESTANIA ROAD & PARKER RANGE ROAD - SOUTH OF PANIZZA ROAD
N.T.S



DETAIL A
N.T.S



DETAIL B
N.T.S

COMMENT		FROM	TO
FREEBOARD 300mm REQUIRED	MC02	39700	39950
	MC04	67271	67971
		70921	71121
		73971	74271
		82571	82971
		85371	86171
PAVEMENT 200mm BASECOURSE 250 SUBBASE	MC02	48600	49200
CEMENT STABILISE PAVEMENT 200mm THICK	MC04	69500	69800

WIDEN & OVERLAY CONSTRUCTION NOTES - CUT BATTER



- UNDERTAKE CLEARING AND TOPSOILING OPERATIONS.
- EXCAVATE LAYERS 1, 2, 3, 4 & 5 IF REQUIRED AND PROPOSED DRAIN. MATERIAL CAN BE USED FOR FILL IF SUITABLE.
- UNDERTAKE EMBANKMENT FOUNDATION PREPARATION AND COMPACTION.
- CONSTRUCT EMBANKMENT FOR LAYERS 4 & 5 IF REQUIRED.
- UNDERTAKE SUBGRADE PREPARATION AND COMPACTION.
- UNDERTAKE CLEGG TEST EVERY 50m ON SUBGRADE. IF SUBGRADE DOES NOT PRODUCE A CBR OF 12 THE CONTRACTOR IS TO UNDERTAKE WORKS TO BRING THE SUBGRADE TO CBR 12.
- CONSTRUCT SUB-BASE LAYER IN WIDENING AS SHOWN FOR LAYER 3.
- RIP AND REWORK EXISTING PAVEMENT AND PAVEMENT WIDENING (1ST LAYER OF BASECOURSE) IN LAYER 2. LAYER THICKNESS WILL BE NOMINALLY 150. EXISTING SEAL CAN BE PULVERISED AND COMBINED INTO EXISTING PAVEMENT. ADDITIONAL GRAVEL WILL BE REQUIRED FOR WIDENING AND TOP UP GRAVEL FOR THE EXISTING CENTRE PORTION. BALANCE AS REQUIRED TO ACHIEVE DESIGN PROFILE.
- OVERLAY ENTIRE PAVEMENT NOMINALLY 150mm THICK (2ND LAYER OF BASECOURSE) LAYER 1 AND CENTRE PORTION ACHIEVE DESIGN LEVELS. WATERBIND AND COMPACT.

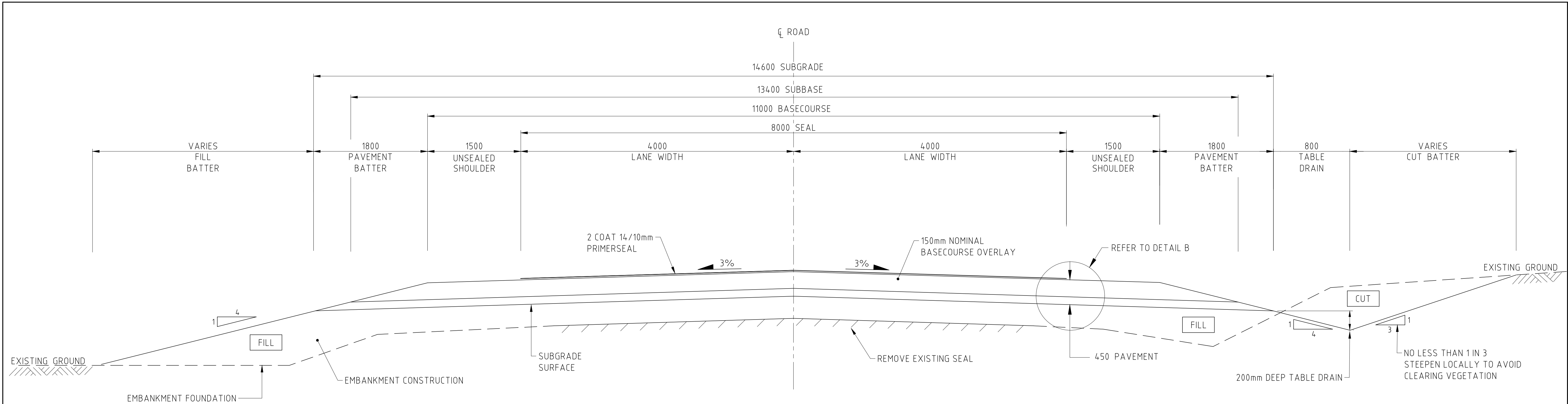
WIDEN & OVERLAYCONSTRUCTION NOTES - FILL BATTER

- UNDERTAKE CLEARING AND TOPSOILING OPERATIONS.
- UNDERTAKE EMBANKMENT FOUNDATION PREPARATION AND COMPACTION.
- BOX OUT EXISTING SHOULDER AS SHOWN IN CROSS SECTION. MATERIAL CAN BE UTILISED FOR EMBANKMENT WIDENING.
- CONSTRUCT EMBANKMENT WIDENING INCLUDING IF REQUIRED - FOR LAYERS 4 & 5 IF REQUIRED. UNDERTAKE SUBGRADE PREPARATION AND COMPACTION.
- CONSTRUCT SUB-BASE LAYER IN WIDENING AS SHOWN FOR LAYER 3.
- RIP AND REWORK EXISTING PAVEMENT AND PAVEMENT WIDENING (1ST LAYER OF BASECOURSE) IN LAYER 2. LAYER THICKNESS WILL BE NOMINALLY 150. EXISTING SEAL CAN BE PULVERISED AND COMBINED INTO EXISTING PAVEMENT. WORK INTO ADDITIONAL GRAVEL WILL BE REQUIRED FOR WIDENING AND TOP UP GRAVEL FOR THE EXISTING CENTRE PORTION. BALANCE AS REQUIRED TO ACHIEVE DESIGN PROFILE.
- OVERLAY ENTIRE PAVEMENT NOMINALLY 150mm THICK (2ND LAYER OF BASECOURSE) LAYER 1 TO ACHIEVE DESIGN LEVELS. WATERBIND AND COMPACT.

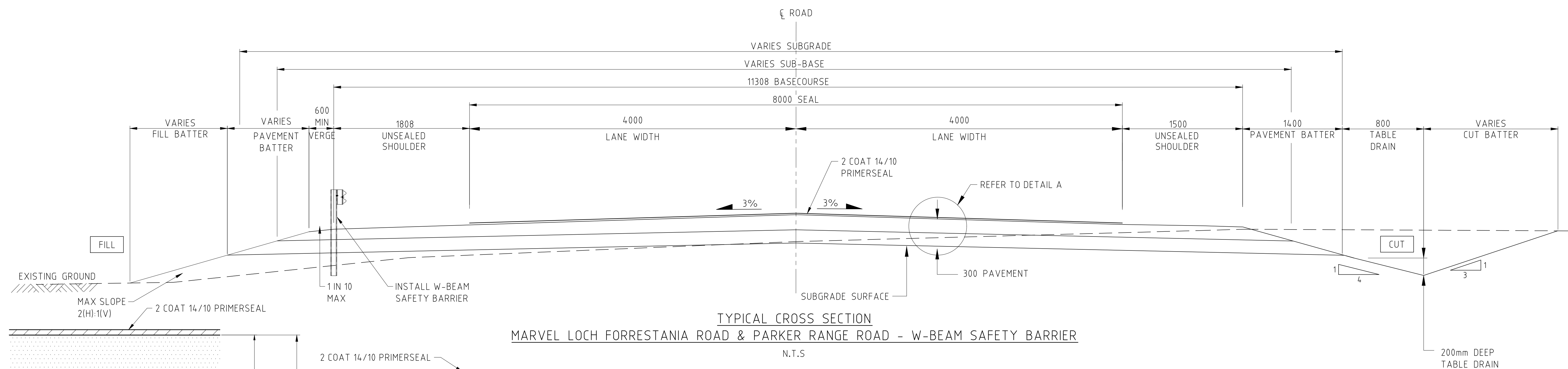
NOTES:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE

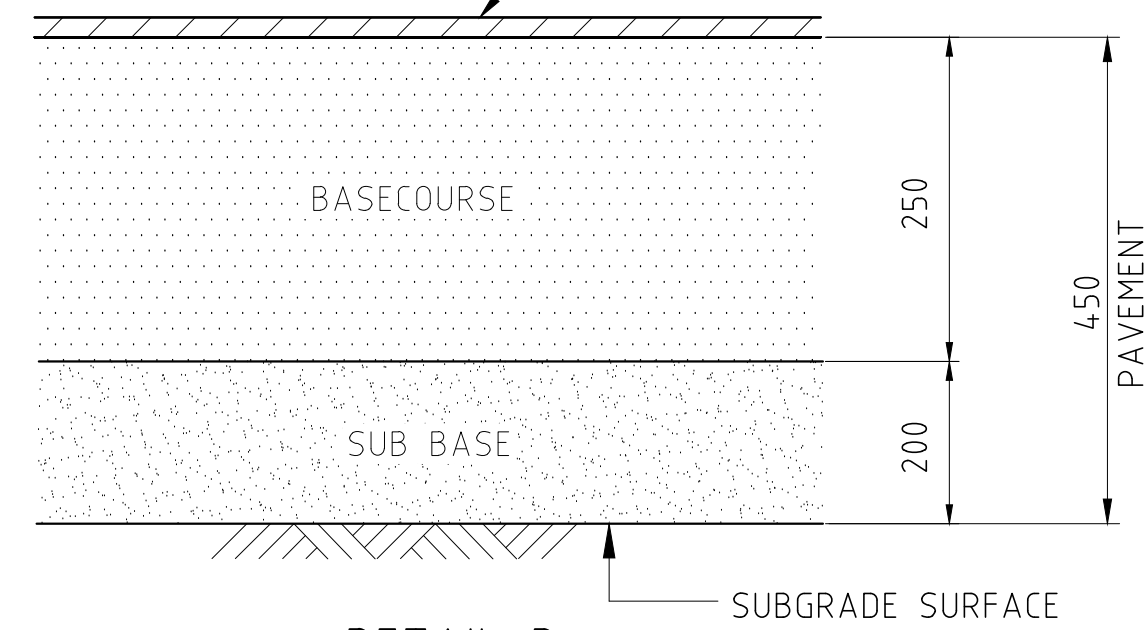
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-TX01.dwg				PLOT DATE 07 Nov 2022		TIME 14:37:56	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	DG
						DRAFTING CHECK	TM
						DESIGNER	TM
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RI
SCALES AT A1 SIZE DRAWING				DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149			
				CLIENT 			
PROJECT TITLE MOUNT HOLLAND LITHIUM MINE				TYPICAL CROSS SECTIONS			
				SHEET 1 OF 3			
SCALE NTS	PHASE DETAILED	PROJECT / DRAWING No 3006493-TX01		REVISION 0			



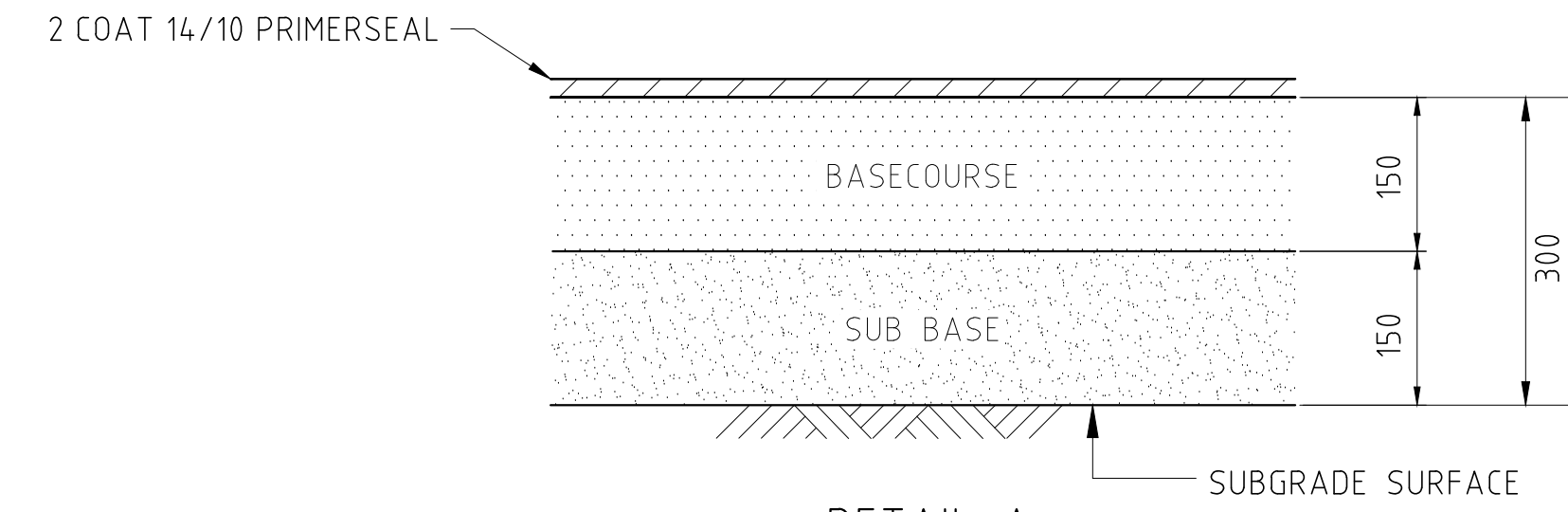
TYPICAL CROSS SECTION
PARKER RANGE ROAD - EXISTING SEALED SECTION - NORTH OF PANIZZA ROAD
RECONSTRUCTION
NTS



TYPICAL CROSS SECTION
MARVEL LOCH FORRESTANIA ROAD & PARKER RANGE ROAD - W-BEAM SAFETY BARRIER
N.T.S




DETAIL B

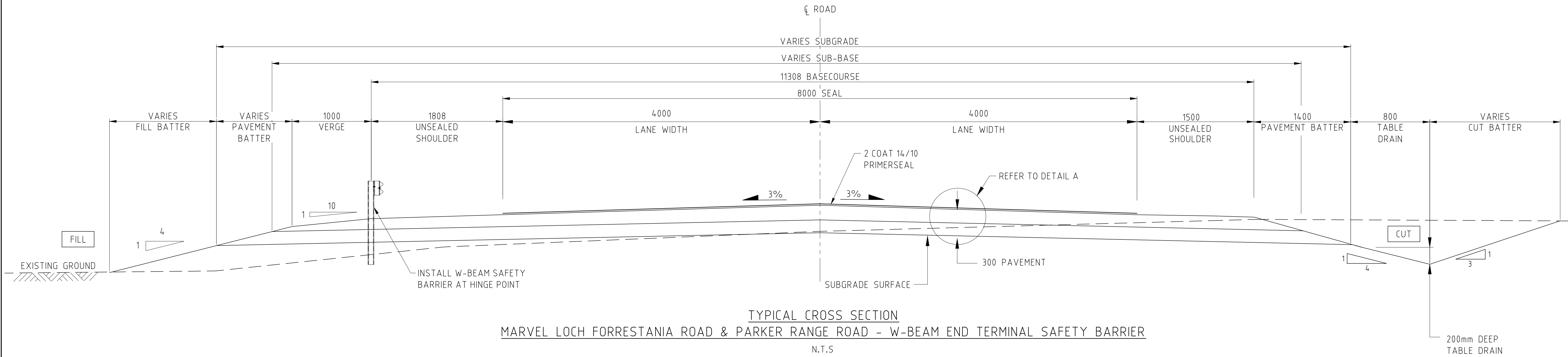


DETAIL A

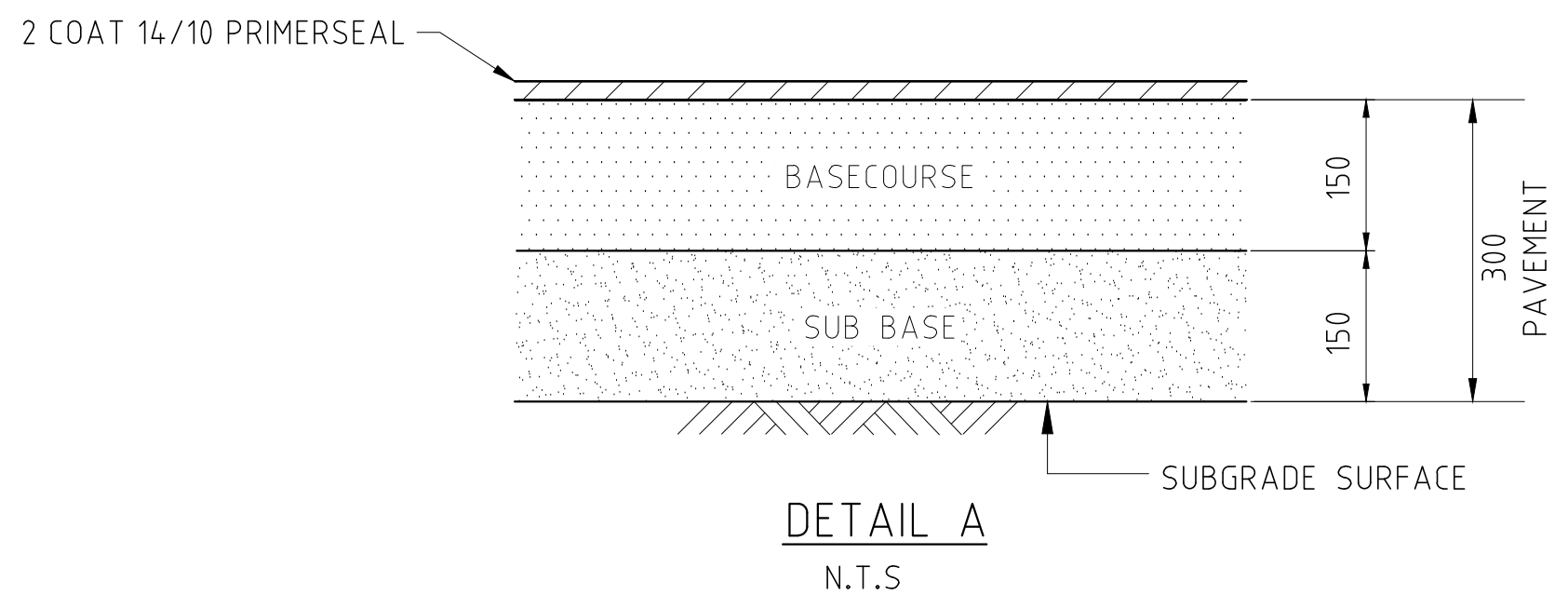
N.T.S

NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-TX02.dwg					PLOT DATE 07 Nov 2022		TIME 14:38:18		CLIENT DOCUMENT No COV-M040-CI-DWG-0007											
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE TYPICAL CROSS SECTIONS SHEET 2 OF 3		SCALE NTS	PHASE DETAILED	PROJECT / DRAWING No 3006493-TX02	REVISION 0
								DRAFTER	DG			 Member of the Surbana Jurong Group © ABN 47 065 475 149								
								DRAFTING CHECK	TM											
								DESIGNER	TM											
								DESIGN CHECK	TM											
								PROJECT MANAGER	DM											
								PROJECT DIRECTOR	RI			SMEC PROJECT No 3006493								

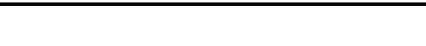



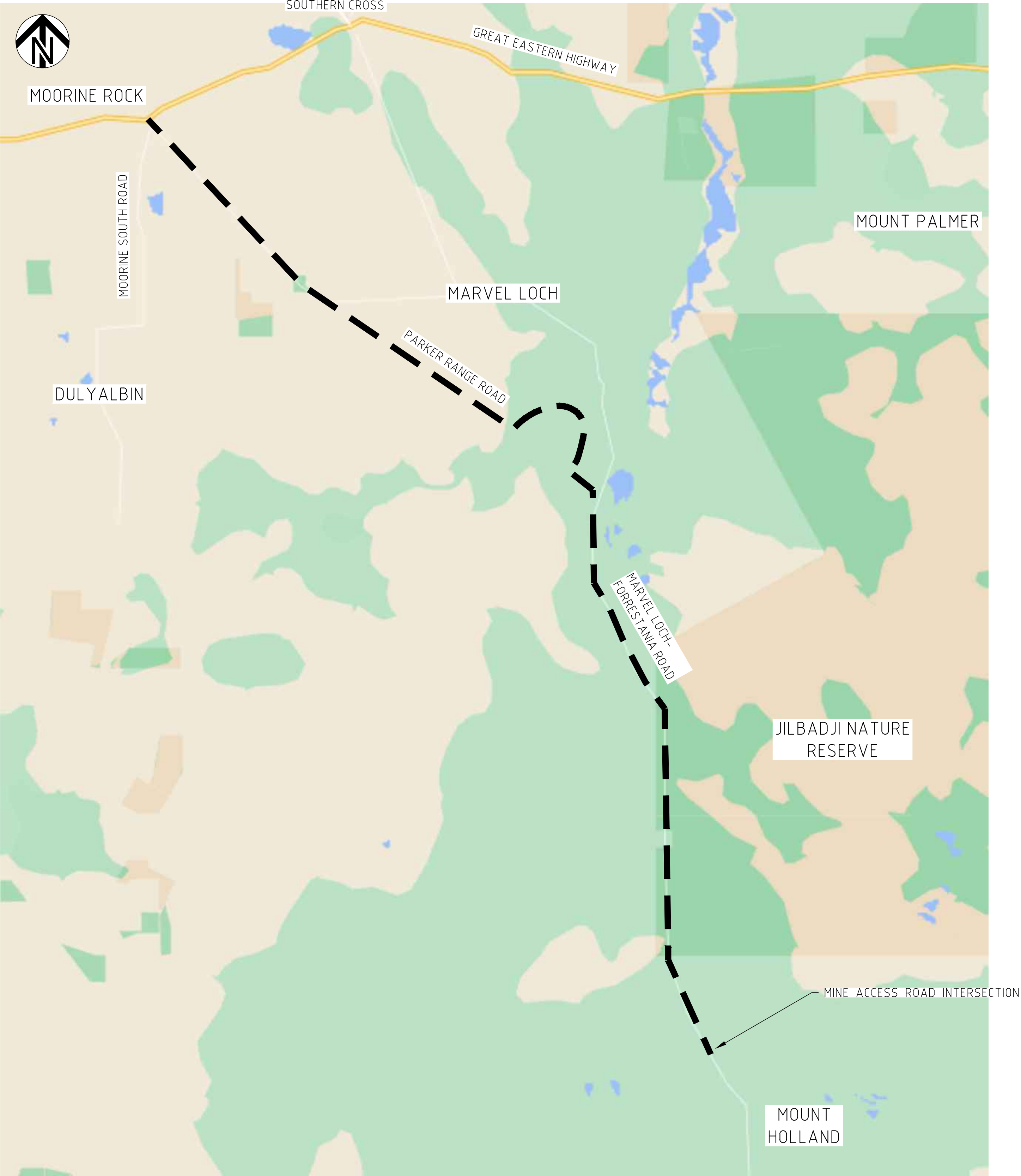
TYPICAL CROSS SECTION
MARVEL LOCH FORRESTANIA ROAD & PARKER RANGE ROAD - W-BEAM END TERMINAL SAFETY BARRIER
N.T.S



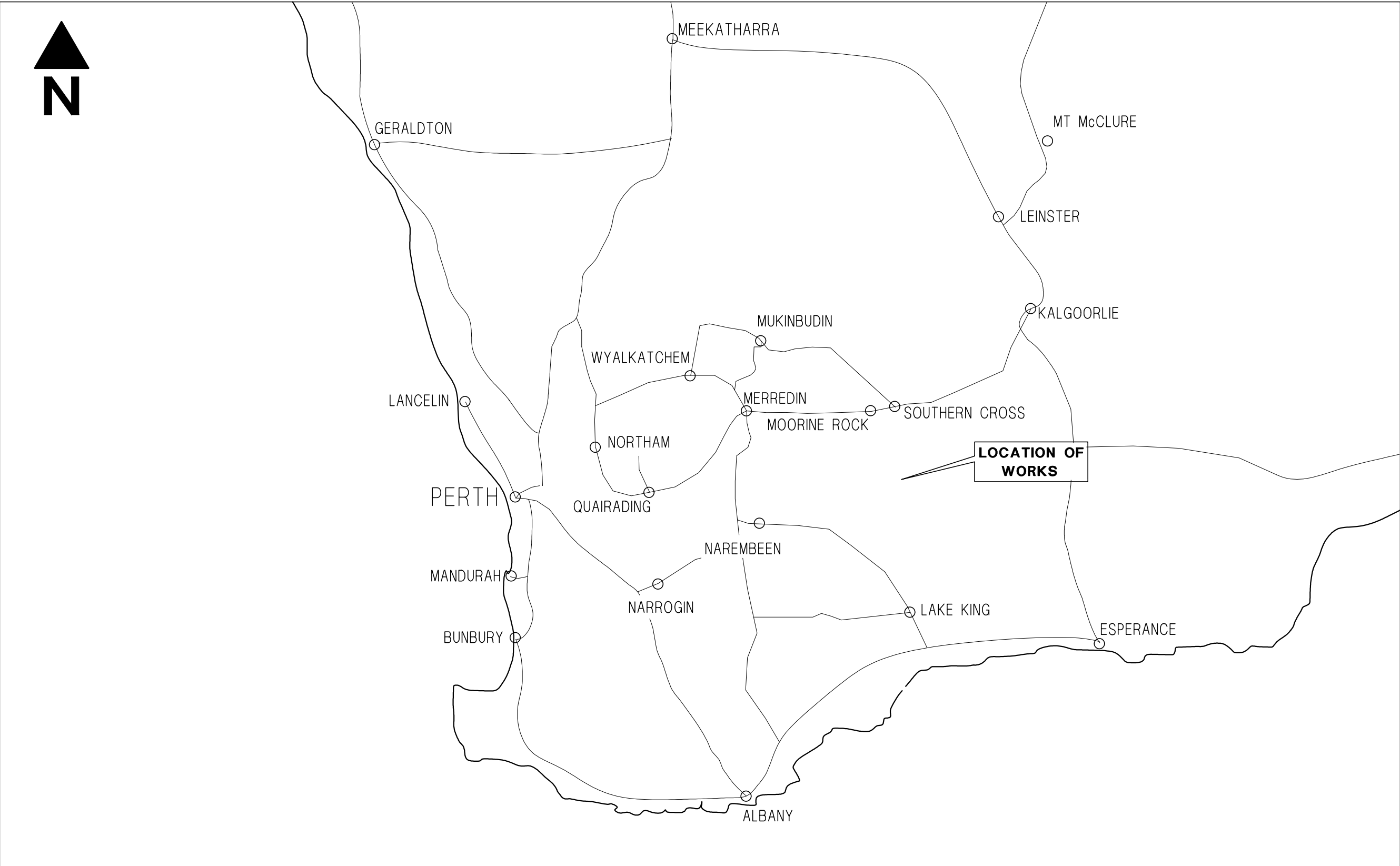
NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE

CLIENT DOCUMENT No: COV-M040-CI-DWG-0008

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-TX03.dwg				PLOT DATE 07 Nov 2022		TIME 14:38:38		CLIENT DOCUMENT No COV-M040-CI-DWG-0008											
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMEC PROJECT No 3006493	CLIENT <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE TYPICAL CROSS SECTIONS SHEET 3 OF 3					
								DRAFTER DG						SCALE NTS		PHASE DETAILED	PROJECT / DRAWING No 3006493-TX03	REVISION 0	
								DRAFTING CHECK TM											
								DESIGNER TM											
								DESIGN CHECK TM											
								PROJECT MANAGER DM											
								PROJECT DIRECTOR RI											





LOCALITY PLAN
NOT TO SCALE

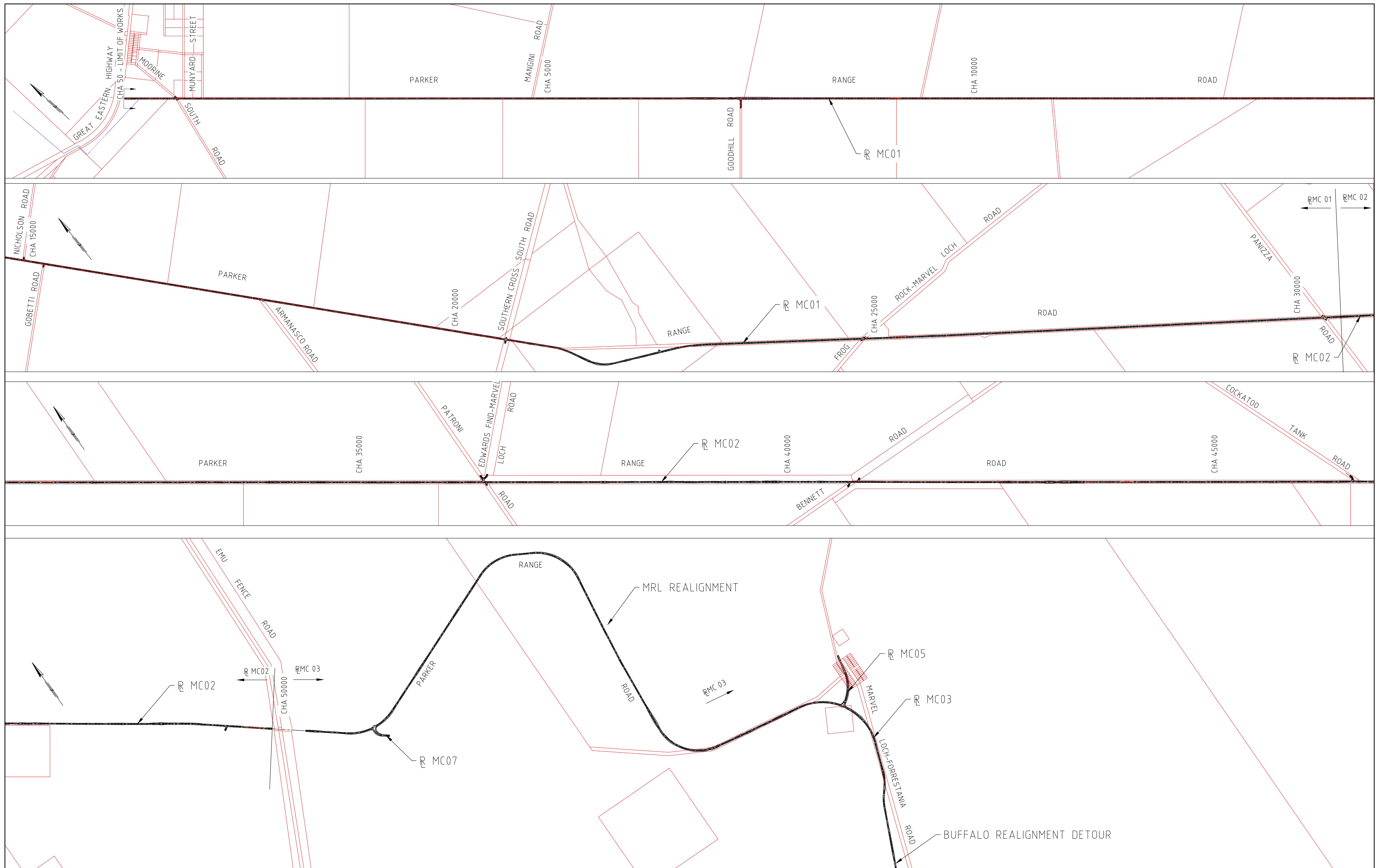





KEY PLAN
NOT TO SCALE

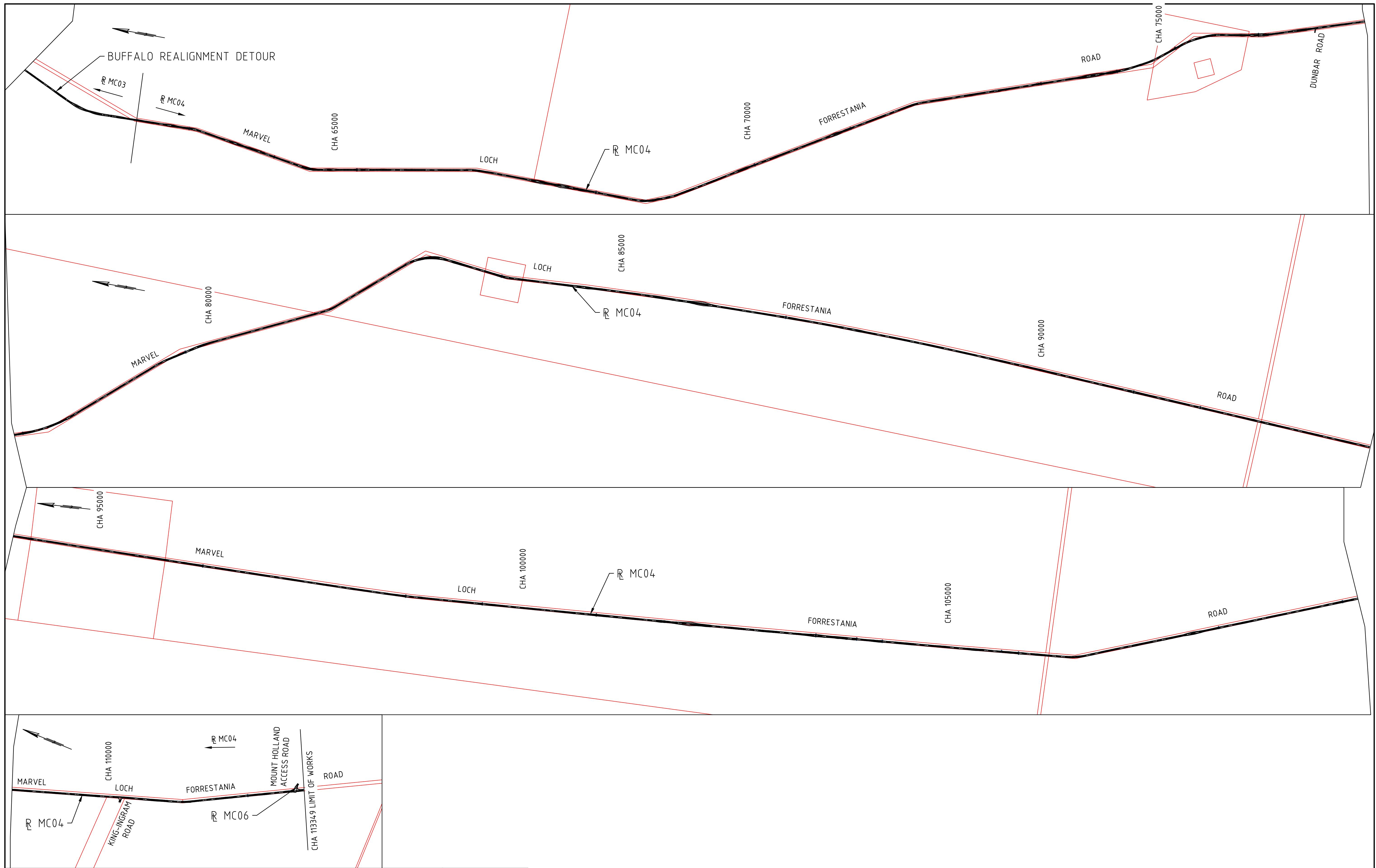
LEGEND




 EXTENT OF ROAD UPGRADE WORKS.

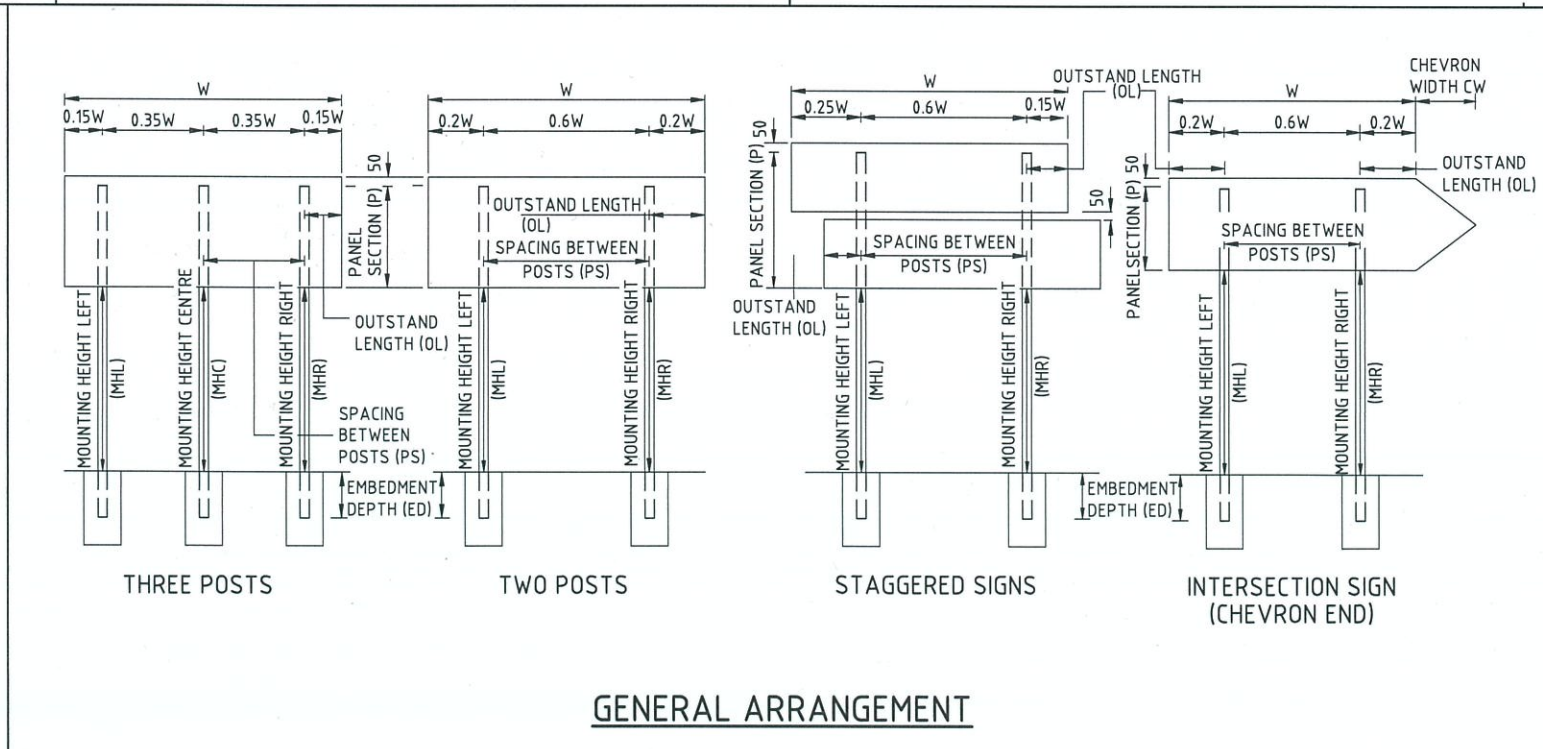
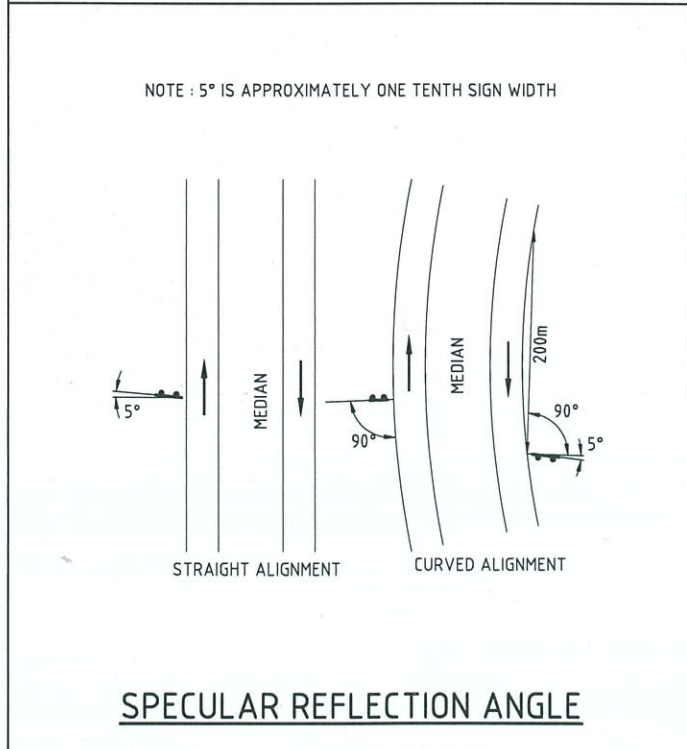
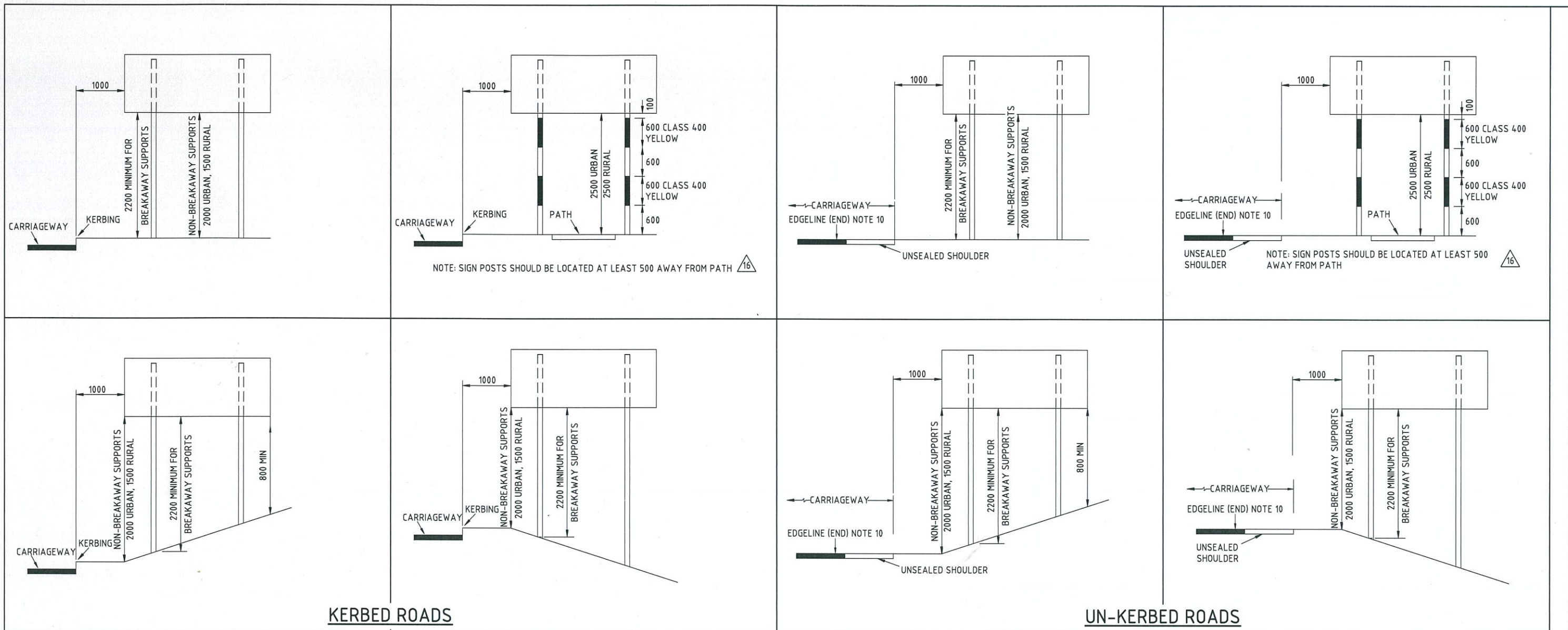
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-LP01.dwg					PLOT DATE 07 Nov 2022		TIME 14:17:41		CLIENT DOCUMENT No COV-M040-CI-DWG-0002					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING	<div>DESIGNER</div> <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> <div>SMEC PROJECT No 3006493</div>	<div>CLIENT</div> <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE LOCALITY PLAN & KEY PLAN		
SCALE		PHASE DETAILED	PROJECT / DRAWING No 3006493-LP01	REVISION 0										



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-SP01.dwg					PLOT DATE 07 Nov 2022		TIME 14:43:49		CLIENT DOCUMENT No COV-M040-CI-DWG-0004							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:20000 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE SITE PLAN SHEET 1 OF 2		
													SCALE 1:20000	PHASE DETAILED	PROJECT / DRAWING No 3006493-SP01	REVISION 0



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-SP02.dwg					PLOT DATE 07 Nov 2022		TIME 14:48:33		CLIENT DOCUMENT No COV-M040-CI-DWG-0005												
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No. 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:20000 </div>		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493</div>		CLIENT <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE SITE PLAN SHEET 2 OF 2		SCALE 1:20000	PHASE DETAILED	PROJECT / DRAWING No. 3006493-SP02	REVISION 0
								DRAFTER	JW												
								DRAFTING CHECK	TM												
								DESIGNER	TM												
								DESIGN CHECK	TM												
								PROJECT MANAGER	DM												
								PROJECT DIRECTOR	RI												



- NOTES:**
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.
 - EXAMPLES SHOWN ABOVE WITH TWO POSTS ALSO APPLY TO SIGNS WITH THREE POSTS.
 - CLEARANCE FROM OVERHEAD POWERLINES WITHIN THE VICINITY OF SIGNS SHALL BE CHECKED WITH RELEVANT AUTHORITY REQUIREMENTS IN EACH CASE.
 - LATERAL OFFSET TO BE 1000mm UNLESS OTHERWISE STATED.
 - SIGNS PLACED WITHIN MEDIANS SHALL HAVE A MINIMUM LATERAL OFFSET OF 500mm.
 - IF UNSEALED SHOULDER HAS NOT BEEN PEGGED OUT ALLOW 1.6m MIN. AND 2.0m MAX. FROM SEAL.
 - BREAKAWAY POSTS NOT TO BE USED WITHIN PATHS. PLACE SIGN AWAY FROM PATH INSTEAD.
 - POSTS (ROUND) STRADDLING PATHS TO HAVE YELLOW RETRO-REFLECTIVE TAPE ATTACHED TO ENHANCE POLES FOR SAFETY (AS SHOWN).
 - FOR FOOTING DETAILS SEE DRG.1830-0015.
 - LATERAL CLEARANCE MAY BE INCREASED TO 5000mm ON ROADS USED FOR HIGH WIDE LOADS PROVIDED THE SIGN IS CLEARLY VISIBLE FOR DRIVERS AND THE RETROREFLECTIVE SHEETING USED IS CLASS 1100.

16. RETROREFLECTIVE CLASS OF MATERIAL UPDATED. NOTES 3, 7, 8 & 9 AMENDED. TITLE BLOCK UPDATED.	R. KOORENGEVEL 18/5/21
15. 50mm DIMENSION SPACING BETWEEN 2 PANELS ADDED.	R. KOORENGEVEL 24.15
14. NOTE 10 AMENDED.	D. LANDMARK 7.3.14
13. INTERSECTION (CHEVRON) SIGN ADDED.	R. KOORENGEVEL 11.6.13
12. SIGN ON OUTSIDE OF CURVE ORIENTATED TO 90 DEGREES.	R. KOORENGEVEL 13.3.13
11. YELLOW BANDS ON POLES OF SIGNS STRADDLING PATHS ADJUSTED.	R. KOORENGEVEL 20.1.12
10. LATERAL CLEARANCE CHANGED FROM 5000 TO 1000. AND NOTE 10 CHANGED.	D. LANDMARK 14.10.09
No.	DESCRIPTION
	APPROVED & DATE
	AMENDMENTS

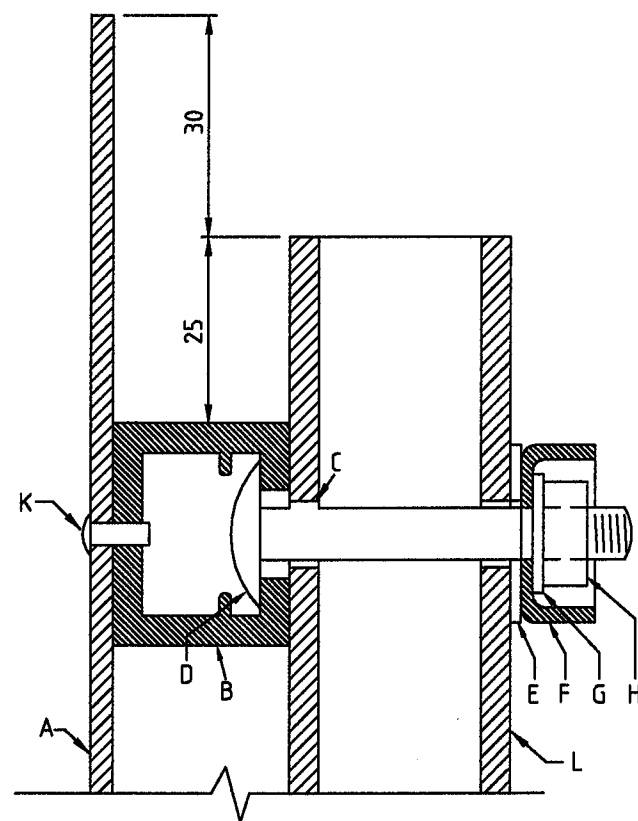
PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
WATERLOO CRESCENT
Telephone 138 138

EAST PERTH 6004

DRAWN	C.WOOLDRIGE	OCT 87
DESIGNED	C.WOOLDRIGE	OCT 87
VERIFIED	T.HAZEBROEK	OCT 87
APPROVED	J.MOORE	09.11.89
FILE NO.	67-08-14	

STANDARD DRAWING
FOR TWO & THREE POST SIGNS
LOCATION DETAILS
LATERAL PLACEMENT AND HEIGHT DETAILS

MRWA DRAWING NUMBER
8720-0762-16



SECTION A-A
N.T.S.

(FOR RECTANGULAR HOLLOW SECTION POST)
(FOR CIRCULAR HOLLOW SECTION POST SEE DRG. 8820-257)

LEGEND

A. SIGN PANEL
B. STIFFENER

C. HOLES IN POST
D. BOLT

E. FLAT WASHER

F. SECURITY WASHER

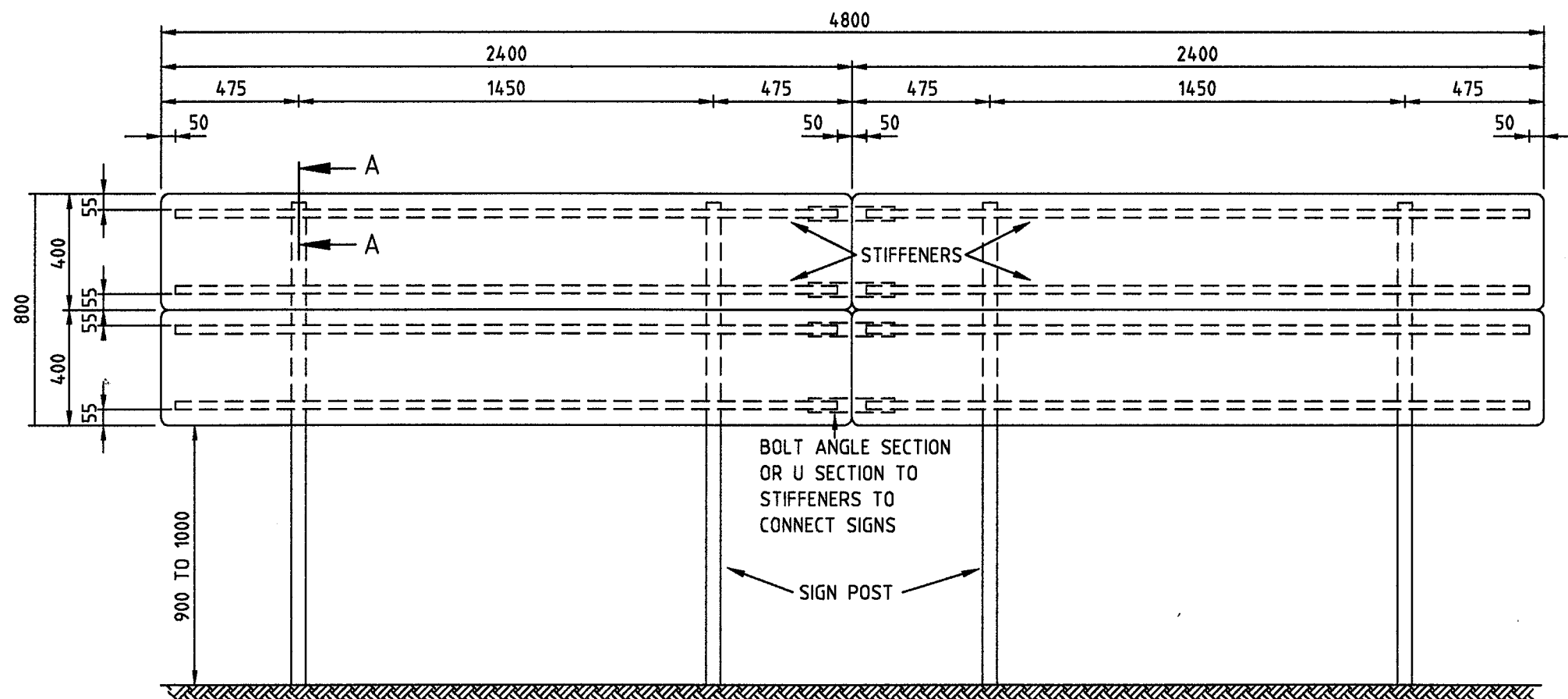
G. SPRING WASHER

H. NUT

K. RIVET

L. SIGN POST



- 1.6 mm ALUMINIUM SHEET PANEL
- TYPE A STIFFENER OR SIMILAR
- SEE DRG. 8820-0354
- 11mm DIA
- CUP SQUARE NECK BOLT M 10 TO AS 1390 HOT DIP GALVANISED TO AS 1214.
- BLACK STEEL WASHER, 10mm NORMAL SERIES TO AS 1237, HOT DIP GALVANISED TO AS 1214.
- ALUMINIUM ALLOY 5251-0 TEMPER TO AS 1734
- AS PER DRG. No.8820-258-2.
- HELICAL SPRING LOCK WASHER, 10mm TO AS 1968, HOT DIP GALVANISED TO AS 1214.
- HEXAGON NUT M10, GRADE 5 NORMAL SERIES TO AS 1112 BUT WITH "NEW" ACROSS-FLAT MAXIMUM DIMENSION OF 16mm HOT DIP GALVANISED TO AS 1214.
- MONEL AS PER SPECIFICATION
- 76 x 38 x 2mm RECTANGULAR STEEL SECTION, POWDER COATED YELLOW OR $\phi 60.3 \times 2.3$ mm CIRCULAR HOLLOW SECTION 2mm GALVANISED



GENERAL ARRANGEMENT 1 : 20

AMENDMENTS

No.	DESCRIPTION	APPROVED & DATE
1	TITLE CHANGED	J.KARPINSKI 24.06.02
2	CHS SIGN POST SIZE CHANGED FROM 52mm DIA. TO 60.3mm & WA GOVT. LOGO UPDATED IN TITLE BLOCK.	<i>[Signature]</i> 02.02.14

 PLANNING AND TECHNICAL SERVICES DIRECTORATE
 ROAD AND TRAFFIC ENGINEERING
 WATERLOO CRESCENT EAST PERTH 6004
 Telephone (08) 9323 4111 Fax (08) 9323 4449

FILE NUMBER	67-08-4F
DESIGNED / DRAWN	C.WOOLDRIDGE 9.1.95
VERIFIED	T.HAZEBROEK 17.1.95
APPROVED	I.ROSS 29.12.95

FIXING & INSTALLATION DETAILS
COMBINATION HAZARD MARKERS

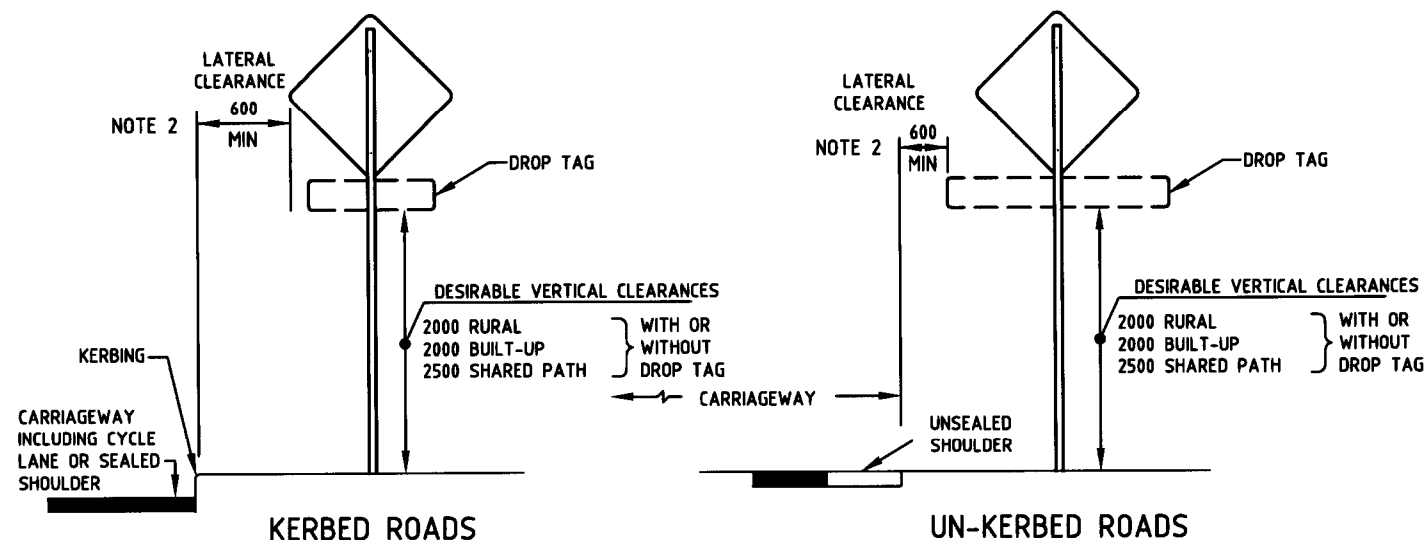
MR-HM-8 TO MR-HM-10

LOCAL AUTHORITY	
DRAWING NUMBER	9531-1007-2

SCALE 1:20 0 200mm 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000

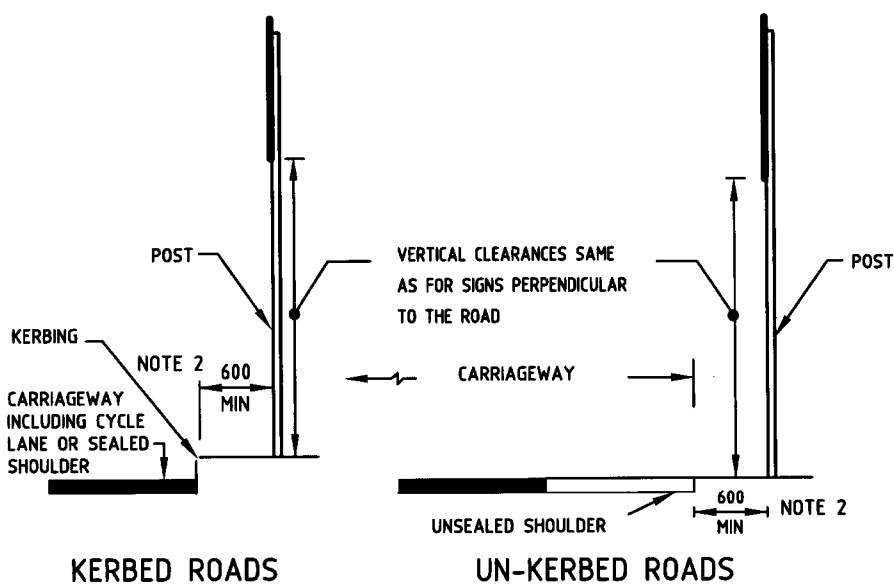
DATE A 3

VERTICAL & LATERAL CLEARANCES

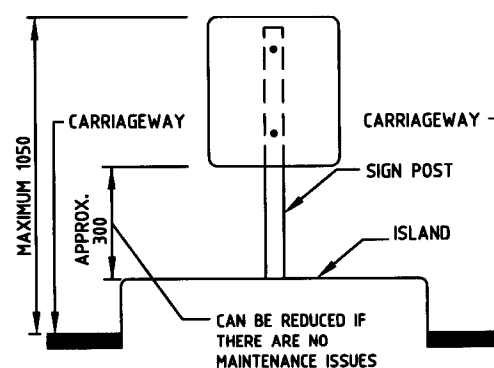


SIGNS PERPENDICULAR TO ROAD

- EXCEPTIONS :**
- TO OVERCOME ANY VISIBILITY CONSTRAINTS DUE TO ROADSIDE OBSTRUCTIONS (TREES, POLES ETC.) AND WHERE PEDESTRIAN/CYCLIST VERTICAL CLEARANCES ARE NOT APPLICABLE, WITH PRIOR APPROVAL OF MRWA THE CLEARANCES MAY BE REDUCED TO;
 - LATERAL CLEARANCE 300mm MIN.
 - VERTICAL CLEARANCE 1500mm MIN.
 - STREET NAME BLADES MAY BE INSTALLED ON LIGHT POLES AND HAVE THE SAME LATERAL CLEARANCES AS SIGNS INSTALLED PERPENDICULAR OR PARALLEL TO THE ROAD. DESIRABLE VERTICAL CLEARANCES ARE AS FOLLOWS:
 - 2000 RURAL.
 - 2500 BUILT UP WITH A MAXIMUM OF 3000.

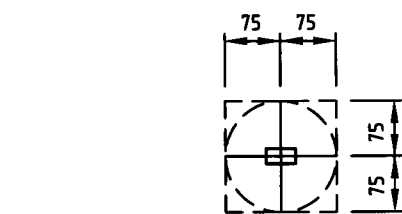


SIGNS PARALLEL TO ROAD

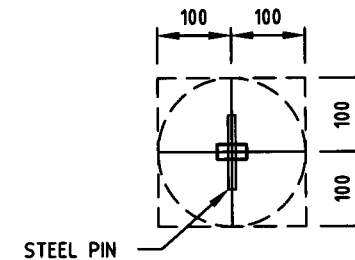


SMALL SIGNS LOCATED ON ISLANDS

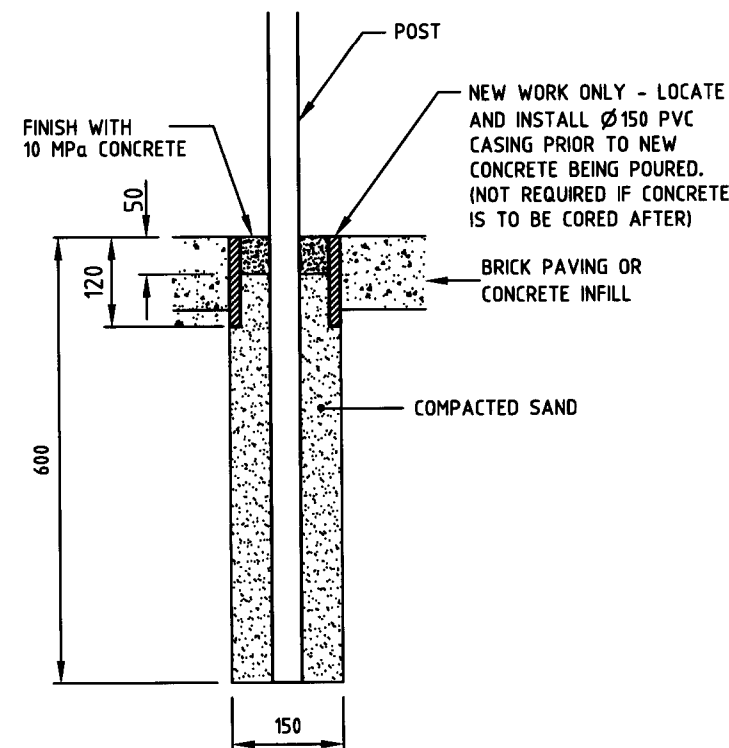
FOOTING DETAILS



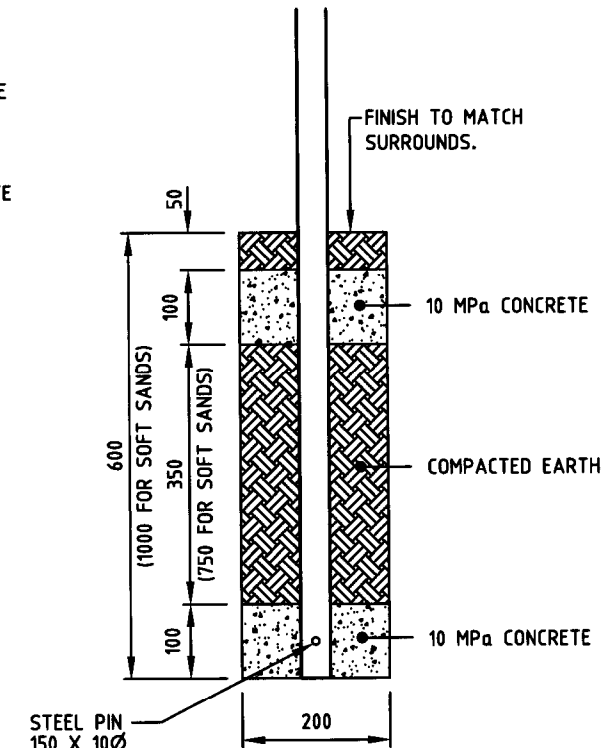
PLAN OF FOOTING



PLAN OF FOOTING



CROSS SECTION OF FOOTING (TRAFFIC ISLAND, FOOTPATH OR OTHER PAVED/SURFACED AREA)



NEW INSTALLATION & REPLACEMENT OF EXISTING SIGNS

CROSS SECTION OF FOOTING (GENERAL/VERGE)

NOTES:

- ALL DIMENSIONS IN MILLIMETRES (MM).
- LATERAL CLEARANCE MAY BE INCREASED TO 5000mm ON ROADS USED FOR HIGH WIDE LOADS PROVIDED THE SIGN IS CLEARLY VISIBLE FOR DRIVERS AND THE RETROREFLECTIVE SHEETING USED IS CLASS 1X.

THIS DRAWING IS AN AMENDMENT OF THE APPROVED DRAWING.

9. LATERAL CLEARANCE CHANGED TO 5000mm. CARRIAGEWAY REDEFINED.	B.C 24.02.09	13. NOTE RELATING TO VERTICAL CLEARANCE OF SMALL SIGNS ADDED.	7/3/85
8. NOTE ADDED TO DIMENSION IN FOOTING DETAILS.	D.L 17.10.07	12. NOTE RELATED TO STREET NAME BLADE REQUIREMENT ADDED, NOTE 2 AMENDED.	D.L 17.02.14
7. DESIRABLE CLEARANCES & SMALL SIGNS ADDED	24.6.02	11. CROSS SECTIONS ALTERED.	D.L 29.10.12
6. CLEARANCES CLARIFIED.	25.8.99	10. LATERAL CLEARANCE ALTERED AND NOTE 2 ADDED.	B.C 27.03.09
No. DESCRIPTION	APPROVED & DATE	No. DESCRIPTION	APPROVED & DATE
AMENDMENTS		AMENDMENTS	

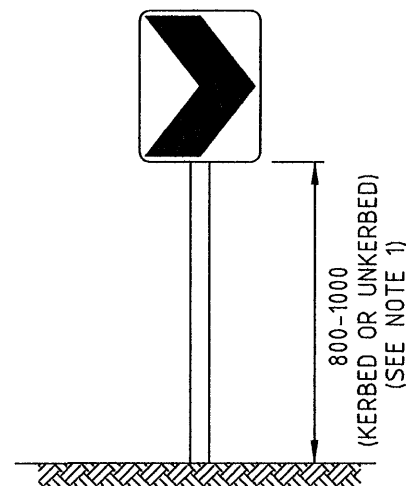
METADATA

GROUND SURVEY STANDARD:
DATE OF CAPTURE:
MAPPING SURVEY STANDARD:
DATE OF CAPTURE:
MAIN ROADS PROJECT ZONE:
HEIGHT DATUM:



LOCATION DETAILS FOR ONE POST SIGNS
GENERAL

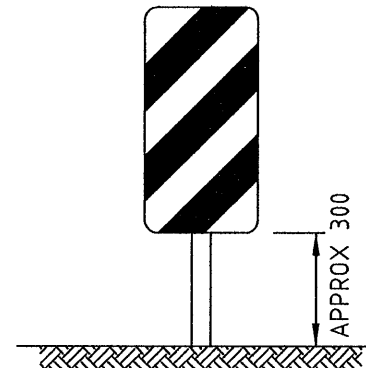
DESIGNED	N.ESHETE JUNE 95	VERIFIED	V. MORO 26.6.95
DRAWN	N.ESHETE JUNE 95	APPROVED	R.J VEITCH 26.6.95
FILE NUMBER			
DRAWING NUMBER	9548-106-13		
AMENDMENT			



GENERAL ARRANGEMENT

1 : 20

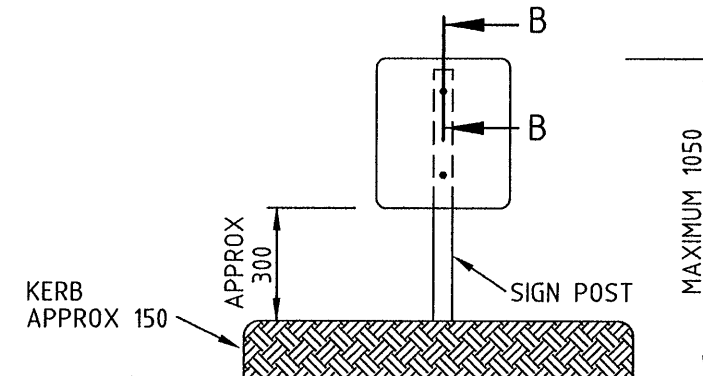
CAMs (D4-6A, D4-6B, D4-6C)



GENERAL ARRANGEMENT

1 : 20

(D4-3B)

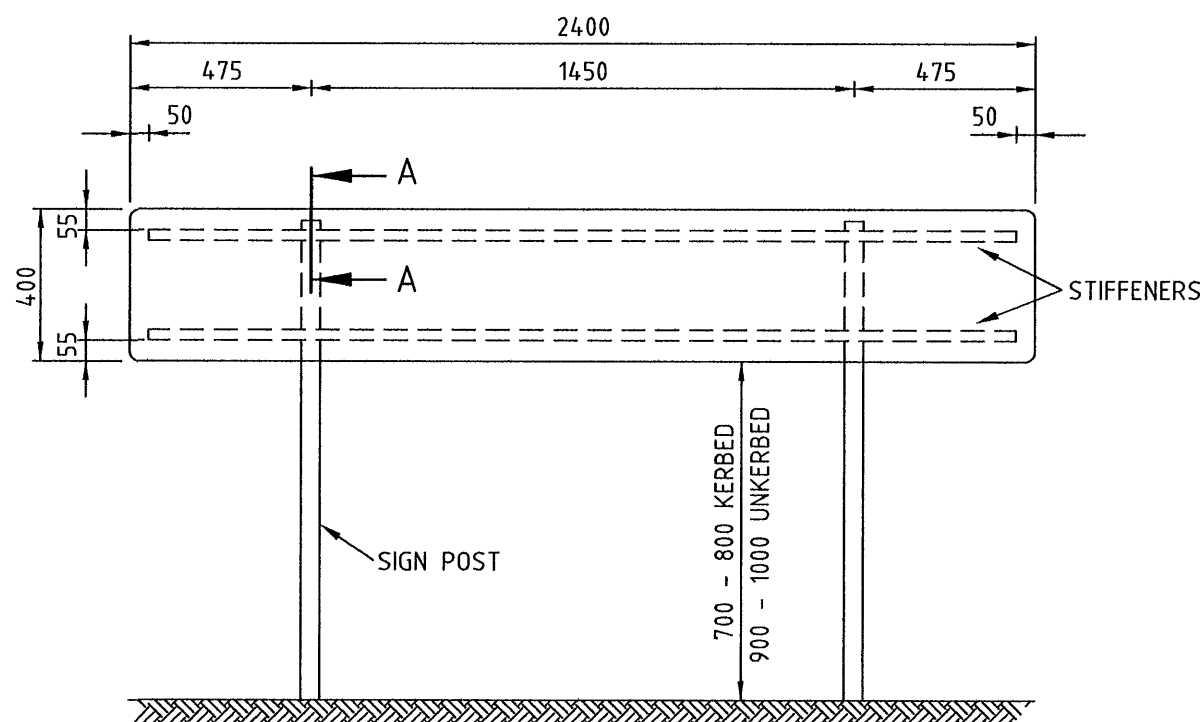


GENERAL ARRANGEMENT

1 : 20

(MR-HM-11, 12, D4-1-2, D4-3A)

NOTES: 1. THIS MOUNTING HEIGHT IS SUITABLE FOR MOST BARRIER HEIGHTS. IF BARRIER HEIGHT IS GREATER THAN 1.0M, MOUNTING HEIGHT SHOULD BE ADJUSTED ACCORDINGLY.



GENERAL ARRANGEMENT

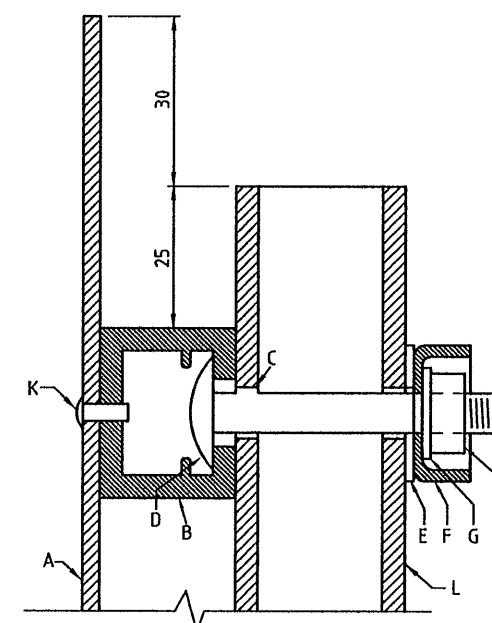
1 : 20

(MR-HM-1 TO MR-HM-7, MR-HM-17 & D4-5)

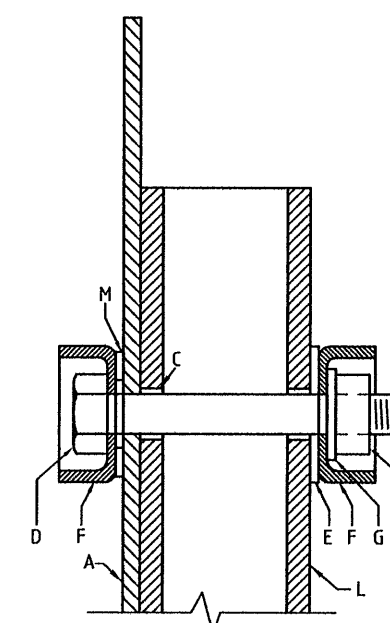
NOTES: 1. HEIGHT PLACEMENT SHALL TAKE INTO CONSIDERATION VISIBILITY OF SIGN FOR APPROACHING TRAFFIC.
2. CLEARANCE OF SIGN FACE FROM TRAFFIC SHALL BE 600mm MIN.

LEGEND

- A. SIGN PANEL - 1.6 mm ALUMINIUM SHEET PANEL.
- B. STIFFENER - TYPE A STIFFENER OR SIMILAR (REFER TO DRAWING NO. 8820-354).
- C. HOLES IN POST - 11mm DIA.
- D. BOLT - CUP SQUARE NECK BOLT M 10 TO AS 1390 HOT DIP GALVANISED TO AS 1214.
- E. FLAT WASHER - BLACK STEEL WASHER, 10mm NORMAL SERIES TO AS 1237, HOT DIP GALVANISED TO AS 1214.
- F. SECURITY WASHER - ALUMINIUM ALLOY 5251-0 TEMPER TO AS 1734.
- G. SPRING WASHER - HELICAL SPRING LOCK WASHER, 10mm TO AS 1968, HOT DIP GALVANISED TO AS 1214.
- H. NUT - HEXAGON NUT M10, GRADE 5 NORMAL SERIES TO AS 1112 BUT WITH "NEW" ACROSS-FLAT. MAXIMUM DIMENSION OF 16mm HOT DIP GALVANISED TO AS 1214.
- K. RIVET - MONEL AS PER SPECIFICATION.
- L. SIGN POST - REFER TO DRAWING NO. 8720-657.
- M. NYLON WASHER



SECTION A-A



SECTION B-B

N.T.S.

(FOR RECTANGULAR HOLLOW SECTION POST)

AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
1	TITLE BOX AMENDED.	R.V. 26.08.97
2	HEIGHT OF SIGN ADDED.	R.V. 12.11.97
3	SIGN HEIGHT AMENDED.	R.V. 8.9.99
4	TITLE & NOTES AMENDED.	J.K. 24.08.02
5	ADDITIONAL SIGN TYPES ADDED, NEW TITLE BLOCK	<i>[Signature]</i> 03.07.06

NOTES

	MAIN ROADS Western Australia TECHNOLOGY AND ENVIRONMENT ROAD AND TRAFFIC ENGINEERING Waterloo Crescent East Perth 6004 Telephone (08) 9323 4111 Fax (08) 9323 4449
--	--

FILE NUMBER	67-08-4F
DESIGNED / DRAWN	G. ROBINSON 22.7.96
VERIFIED	R. VEITCH 22.7.96
APPROVED	A. PHILLIPS 22.7.96

FIXING AND INSTALLATION DETAILS FOR SINGLE HAZARD MARKERS MR-HM-1 TO MR-HM-7, MR-HM-17 & D4-5 MR-HM-11&12, D4-1-2, D4-3, CAMS (D4-6) LOCAL AUTHORITY		
DRAWING TYPE	DRAWING NUMBER	AMEND.
	9648-176-5	

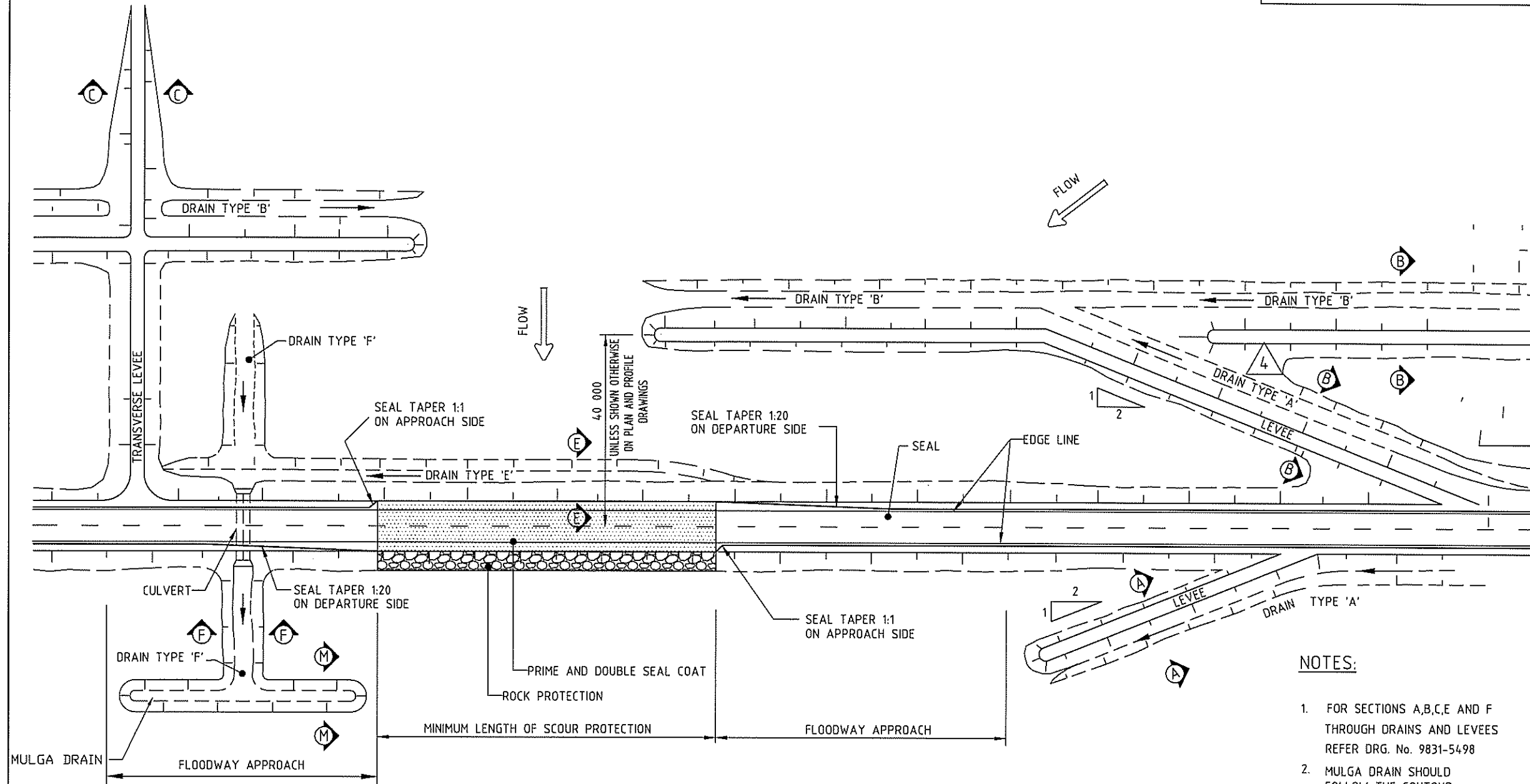
SCALE 1:20 0 100mm 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500

MOOREAU DATE A 3

NOTE: ALL DRAWINGS ARE CONSIDERED UNCONTROLLED UNLESS STAMPED 'CONTROLLED COPY' IN RED

AMENDMENTS

No.	DATE	DESCRIPTION	APPROVED
1	11/1/99	AMENDED SECTION NUMBER	G. McLEAH
2	20/11/06	FLOODWAY LONGITUDINAL SECTION ADDED	T.A. FREEMAN
3	08/04/14	NOTE 2 ADDED, FLOODWAY LONGITUDINAL SECTION UPDATED, ROCK PROTECTION ADDED, MULGA DRAIN ADDED	
4	30/01/17	EDGE LINE ADDED AMENDED 'A' DRAIN	

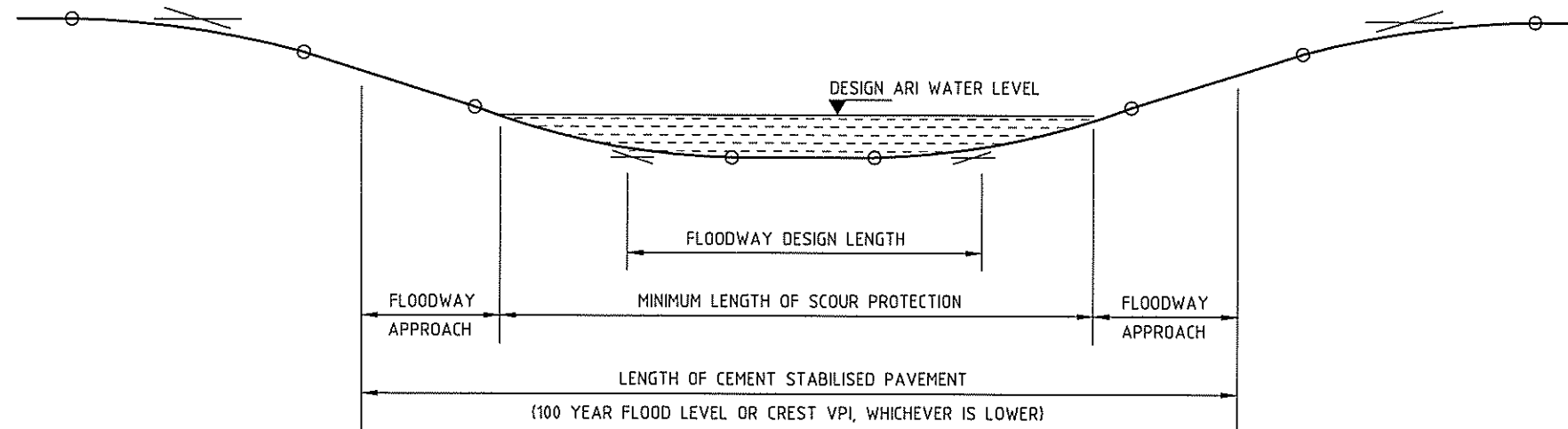


NOTES:

- FOR SECTIONS A,B,C,E AND F THROUGH DRAINS AND LEVEES REFER DRG. No. 9831-5498
- MULGA DRAIN SHOULD FOLLOW THE CONTOUR

PLAN OF TYPICAL FLOODWAY & OFF-ROAD DRAINAGE

NOT TO SCALE



FLOODWAY LONGITUDINAL SECTION

NOT TO SCALE

STANDARDS AND AUDIT ROAD AND TRAFFIC STANDARDS		
Waterloo Cres East Perth WA 6002 Telephone (08) 9323 4111 Fax (08) 9323 4430		
FILE No.	JOB No.	DATE
DESIGNED/DRAWN	ROAD AND TRAFFIC STANDARDS	
VERIFIED	T. FREEMAN	18/11/98
APPROVED	R. GROVE	18/11/98



GUIDELINE DRAWING

OFF-ROAD DRAINAGE
TYPICAL PLAN

LOCAL AUTHORITY	DRAWING TYPE	DRAWING NUMBER	AMEND.
		0800	
		9831-5497-4	

ALL UNITS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

SCALE

NOT TO SCALE

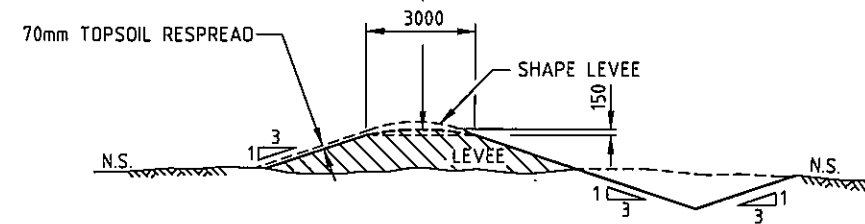
3

AMENDMENTS

NO.	DESCRIPTION	APPROVED & DATE
1	AMENDED NOTE 1.	G. McLEAN 11.2.99
2	SECTION (C) AND NOTE 5 AMENDED.	R. GROVE 11.7.05
3	NOTE 3 DELETED AND NOTES RENUMBERED.	T. FREEMAN 6.4.06
4	NOTE ON SECTION (E) AMENDED. TITLE BLOCK UPDATED.	T. FREEMAN 28.5.07
5	REFERENCE ON SECTION (C) AMENDED.	T. FREEMAN 2.7.10
6	MULGA DRAIN SECTION (M) ADDED NOTE 5 ADDED	8.4.14.

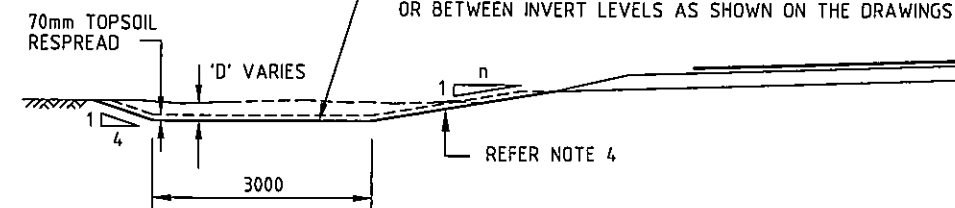
NOTES

TOP OF LEVEE SHALL GRADE EVENLY OVER ITS LENGTH FROM EDGE OF SHOULDER TO TOP OF INTERSECTING 'B' DRAIN LEVEE OR TO NATURAL SURFACE

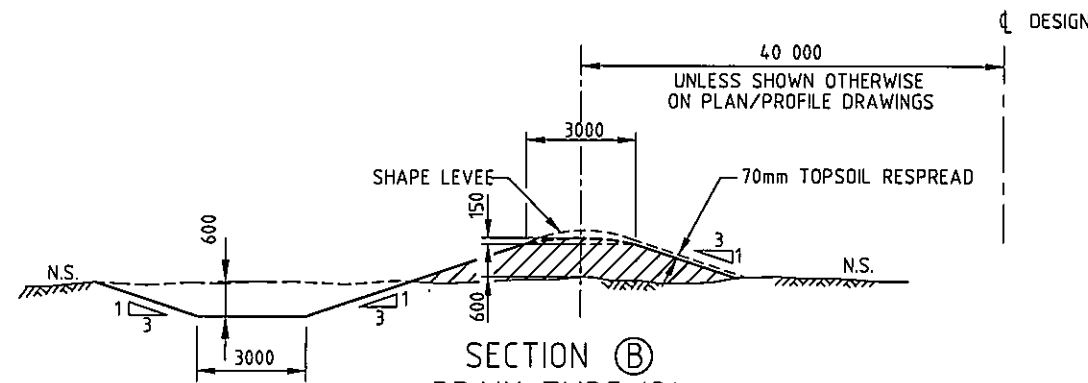


SECTION (A)
DRAIN TYPE 'A'

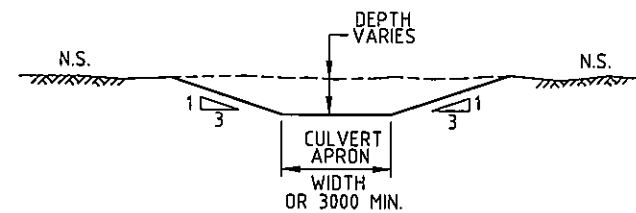
'E' DRAIN TO GRADE EVENLY AT GRADE SHOWN OR BETWEEN INVERT LEVELS AS SHOWN ON THE DRAWINGS



SECTION (E)
DRAIN TYPE 'E'



SECTION (B)
DRAIN TYPE 'B'



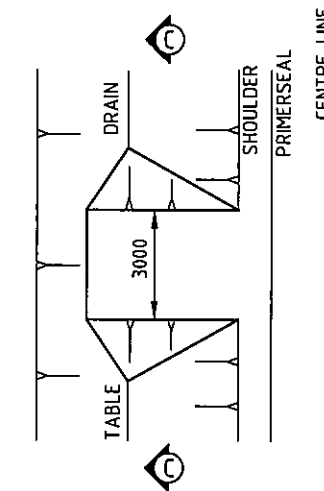
SECTION (F)
DRAIN TYPE 'F'

FOR CULVERT OUTLETS

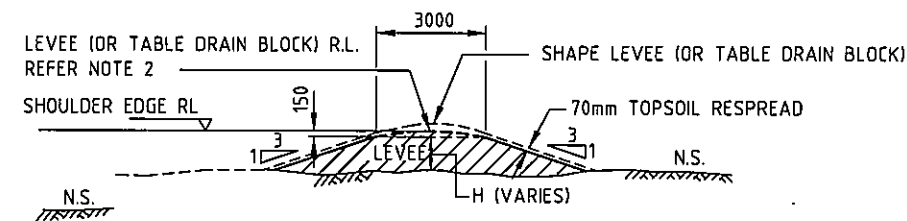
DRAIN 'F' EXTENDS FROM OUTLET OF CULVERT WITH INVERT OF DRAIN EQUAL TO INVERT OF CULVERT, GRADED AT A MAXIMUM 0.1%, UNTIL DRAIN INTERSECTS NATURAL SURFACE.

FOR CULVERT INLETS

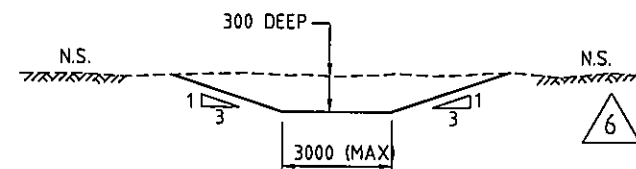
DRAIN 'F' TO GRADE EVENLY FROM CREEK LEVEL TO INLET INVERT LEVEL, OTHERWISE LENGTHS, LEVELS OR GRADE SHALL BE SHOWN ON THE PLAN AND PROFILE DRAWINGS.



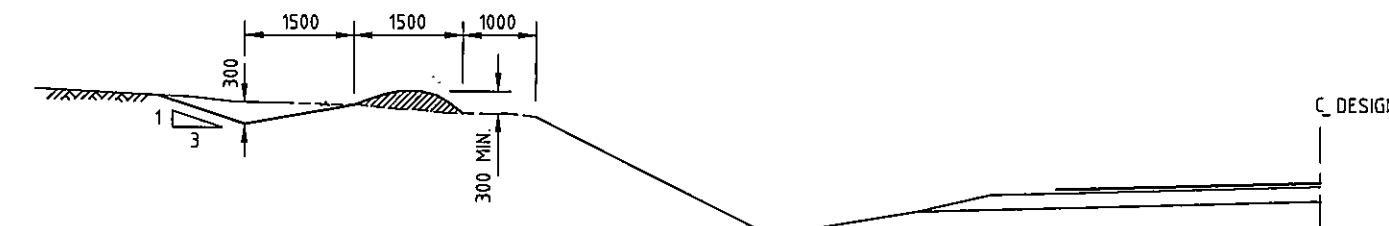
PLAN - TABLE DRAIN BLOCK



SECTION (C)
TRANSVERSE LEVEE AND TABLE DRAIN BLOCK



SECTION (M)
MULGA DRAIN SECTION
NOT TO SCALE



DRAIN TYPE 'G' - CATCH DRAIN ON TOP OF CUT BATTERS

NOTES:

1. INVERT LEVEL OF DIVERSION DRAIN TYPE 'A' SHALL COMMENCE AT TOE OF BATTER OR AT TABLE DRAIN INVERT AND SHALL GRADE EVENLY TO NATURAL SURFACE.
2. TRANSVERSE LEVEE SHALL EXTEND FROM EDGE OF FORMATION WITH RL AT SAME LEVEL AS EDGE OF SHOULDER UNLESS SPECIFIED OTHERWISE.
3. DIMENSIONS MAY VARY DEPENDING ON GEOMECHANICAL PROPERTIES OF CUT/FILL MATERIALS AND VOLUME OF RUNOFF.
4. MAXIMUM FORESLOPE WITH INDICATED BACKSLOPE TO BE 1 IN 4. FOR OTHER COMBINATIONS REFER TO MAIN ROADS' GUIDELINE 'ROADWAYS' - CHAPTER 3.
5. MULGA DRAIN SHOULD FOLLOW CONTOUR

Government of Western Australia
mainroads
TECHNOLOGY AND ENVIRONMENT
ROAD AND TRAFFIC ENGINEERING
Waterloo Crescent East Perth 6004
Telephone 1081 9323 4111 Fax 1081 9323 4449

FILE NUMBER	DESIGNED / DRAWN	ROAD AND TRAFFIC STANDARDS
VERIFIED	T. FREEMAN	18.11.98
APPROVED	R. GROVE	18.11.98
GUIDELINE DRAWING		
OFF-ROAD DRAINAGE CROSS SECTIONS		
LOCAL AUTHORITY	DRAWING TYPE	DRAWING NUMBER
	6025	9831-5498-6

1. LONGITUDINAL LINES			2. TRANSVERSE LINES		
LINE TYPES	PATTERN & SPACING	USAGE	LINE TYPES	PATTERN & SPACING	USAGE
1.1 DIVIDING / BROKEN SEPARATION LINES a) TWO-LANE ROADS b) PATHS		SEPARATES TWO-WAY TRAFFIC: OVERTAKING PERMITTED IN BOTH DIRECTIONS.	1.7 AUDIO-TACTILE LINE MARKING a) AUDIO-TACTILE CENTRE LINE (ATCL) b) AUDIO-TACTILE EDGE LINE (ATEL) c) WIDE CENTRE LINE TREATMENT (WCLT)	<ul style="list-style-type: none"> ATCL - 80mm LINE / 100mm RIB - SEE DRGS 202131-0001 TO 202131-0006. ATCL - 100mm LINE / 150mm RIB - SEE DRGS 202031-0100 TO 202031-0105. ATCL - INTERSECTION TREATMENTS - SEE DRGS 202031-0107 AND 202031-0108. ATEL - SEE DRGS 201131-0039 AND 201131-0041. WCLT - 0.6m WIDE / 200mm WIDE LINE - SEE DRGS 202031-0052 TO 202031-0058, 202031-0060 AND 202031-0061. WCLT - 1.0m WIDE / 300mm WIDE LINE - SEE DRGS 202031-0059 AND 202031-0062 TO 202031-0070. WCLT - 1.0m WIDE / 100mm WIDE LINE - SEE DRGS 201631-0046 TO 201631-0056. 	FOR CONSTRAINED LOCATIONS PREFERRED TREATMENT MIN. TREATMENT SIGNAGE REQUIRED
1.2 BARRIER LINES a) UNBROKEN SEPARATION/SINGLE (SEE NOTE 8) b) DOUBLE ONE WAY c) DOUBLE TWO WAY (SEE NOTE 8)	<p>150 MULTI LANE PRIMARY & DISTRICT DISTRIBUTOR A ROADS 120 DISTRICT DISTRIBUTOR B & LOCAL ROADS 80 PATHS</p>	<p>SEPARATES TWO-WAY TRAFFIC: NO OVERTAKING PERMITTED IN EITHER DIRECTION. USE IN URBAN/BUILT UP AREAS WHERE THE SPEED LIMIT IS ≤60km/h.</p> <p>SEPARATES TWO-WAY TRAFFIC: OVERTAKING PERMITTED IN ONE DIRECTION ONLY.</p> <p>OVERTAKING PROHIBITED IN BOTH DIRECTIONS.</p>	2.1 STOP LINES		
1.3 LANE LINES a) BROKEN b) CONTINUOUS / UNBROKEN c) SPECIAL PURPOSE	<p>80 NORMAL USAGE 100 FREEWAYS (SEE NOTE 7)</p> <p>80 NORMAL USAGE 150 FREEWAYS (SEE NOTE 7)</p> <p>80 NORMAL USAGE 120 WHEN FOLLOWED BY A CONTINUITY LINE 150 FREEWAYS (SEE NOTE 7)</p>	<p>SEPARATES TRAFFIC ON MULTI-LANE ROADWAYS TRAVELLING IN THE SAME DIRECTION.</p> <p>DUAL LANE ROUNDABOUTS. AT EXCLUSIVE TURN LANES. TWO LANE EXITS AND EXCLUSIVE EXIT LANES ON THE FREEWAY.</p>	2.2 GIVE WAY & HOLDING LINES		
1.4 EDGE LINES a) STANDARD/ OUTLINE MARKING	<p>120 NORMAL USAGE (SEE NOTE 6) 150 FREEWAYS (SEE NOTE 7) 80 PATHS</p>	<p>SEPARATES A LANE FROM THE SHOULDER. USED TO OUTLINE SPLAYS, ISLANDS, GORE AREAS ETC.</p> <p>USE AT INTERSECTIONS AS AN EXTENSION OF A CONTINUITY LINE TO PROHIBIT LANE CHANGES.</p>	2.3 GUIDE LINES		
1.5 CONTINUITY LINES NORMAL USAGE	<p>120 NORMAL USAGE (SEE NOTE 6) 150 FREEWAYS (SEE NOTE 7) 150 BUS/TAXI LANES & BUS BAYS</p>	BUS BAY, BUS LANE & BUS/TAXI LANE MARKINGS SHALL BE YELLOW.	2.3 GUIDE LINES		
1.6 TURN LINES a) BROKEN b) UNBROKEN c) ROUNDABOUTS	<p>0.6m STRIPE AND GAP</p> <p>1.8m 0.6m 1.8m</p>	<p>MULTIPLE TURNS</p> <p>DIAMOND TURNS</p> <p>PROVIDE GUIDANCE AT LARGE ROUNDABOUTS FOR TRAFFIC TO ENTER "SPIRALS" FROM APPROACH LEG.</p>	2.3 GUIDE LINES		

NOTES:

- ALL LINE WIDTHS ARE IN MILLIMETRES.
- FOR RETROREFLECTIVE RAISED PAVEMENT MARKERS (RRPMs), SEE DRGS. No. 201031-0026, 201031-0027.
- FOR GORE PATTERNS AND ASSOCIATED RRPMs, SEE DRGS No. 200331-0093 AND 200331-0094.
- FOR DIAGONAL MARKING DETAILS SEE DRG No. 200331-0091.
- ALL PAVEMENT MARKINGS AND RRPMs SHALL CONFORM TO MRWA SPECIFICATION 604.
- OTHER THAN FREEWAYS, REMARK EXISTING 150mm EDGE LINES AT 120mm WIDTH.
- FREEWAYS INCLUDE KWINANA, GRAHAM FARMER, MITCHELL FREEWAYS, SECTIONS OF REID, TONKIN, LEACH AND ROE HIGHWAYS CONSTRUCTED TO A GRADE SEPARATED STANDARD AND ASSOCIATED RAMPS UP TO RAMP JUNCTIONS.
- CURRENTLY UNDER THE ROAD TRAFFIC CODE 2000, VEHICLES MAY CROSS A DOUBLE TWO WAY BARRIER LINE TO GAIN ACCESS TO/FROM ADJOINING PROPERTIES OR TO EXECUTE A U-TURN. IN THE FUTURE (DATE TO BE DETERMINED) NO MOVEMENTS WILL BE PERMITTED ACROSS A DOUBLE TWO WAY BARRIER LINE (IN LINE WITH THE AUSTRALIAN ROAD RULES). IN URBAN/BUILT-UP AREAS, USE SHOULD BE MADE OF UNBROKEN SEPARATION LINES TO PROHIBIT OVERTAKING UNLESS THERE IS LIMITED PROPERTY ACCESS OR ACCESS TO/FROM PROPERTIES IS PLANNED TO BE PROHIBITED IN THE FUTURE. FOR CONVERSION OF EXISTING DOUBLE TWO WAY BARRIER LINES TO UNBROKEN SEPARATION LINES REFER TO DRAWING No. 200631-0038.

AMENDMENTS

No.	DESCRIPTION	APPROVED & DATE
1.	NOTES, PATHWAYS AND LANE LINES AMENDED. EDGE, CONTINUITY, TURN AND OUTLINE MARKING LINE WIDTHS REDUCED FROM 150mm TO 120mm.	R.GROVE 28.11.00
2.	AMENDMENTS TO TITLE BLOCK, HOLDING LINE FOR PATHWAYS, MEDIAN AND CHEVRON MARKING REMOVED.	R.GROVE 18.06.03
3.	NOTES 7 & 8 AMENDED. NOTE 9, UNBROKEN SEPARATION LINES & EXIT LINES ADDED.	D.LANDMARK 19.9.06
4.	NOTE 8 AMENDED.	R.GROVE 14.11.06
5.	"OUTLINE MARKINGS" INCORPORATED INTO "EDGE LINES". USAGE OF EDGE LINES ADDED. PATTERN FOR ITEM 2.3 "GUIDE LINES" CHANGED. TERMINOLOGY FOR "BROKEN SEPARATION LINES" CHANGED.	D.LANDMARK 19.9.06
6.	WIDTH OF PATHWAY STOP LINE AMENDED. EDGE LINE FOR PATHWAY ADDED.	D.LANDMARK 03.11.08
7.	UNBROKEN SEPARATION LINES CHANGED TO SINGLE AND ADDED TO BARRIER LINES, EXIT LINES REMOVED & SPECIAL PURPOSE ADDED TO LANE LINES.	R.KOORENGEVEL 16.11.10
8.	ITEM 1.2a AMENDED, ITEM 1.4b AUDIO TACTILE DRG REFERENCE NO'S AMENDED.	R.KOORENGEVEL 16.04.13
9.	ITEM 1.3c AND NOTE 8 AMENDED.	R.K. 8.01.14
10.	LINE WIDTHS AMENDED TO 100mm AT ITEM 1.6.	R.KOORENGEVEL 16.7.14
11.	ROE HWY ADDED TO NOTE 8.	R.K. 19.02.15
12.	ITEMS 1.2(a) & 1.3(c) AMENDED, BARRIER LINE TABLE ADDED.	R.K. 03.05.16
13.	ITEM 2.3(a) AMENDED.	R.K. 10.01.17
14.	ITEM 2.1 & 2.2 USAGE NOTE ADDED.	E. ROSE 05.08.21
15.	ITEM 1.6 LINE TYPE (g) ADDED, NOTE 2 REMOVED. LENGTH OF BARRIER LINE TABLE AMENDED, TITLE BLOCK UPDATED. ITEM 1.7 ADDED.	
	ITEM 1.3(b) LINE TYPE DESCRIPTION AMENDED.	

NOTES

POSTED SPEED (km/h)	LENGTH OF BARRIER LINE (L)	
	MINIMUM (m)	DESIRABLE (m)
60	96	132
70	108	156
80	120	180
90	132	204
100	144	228
110	168 *	252 *

* FOR ROAD TRAIN ROUTES USE 300m. (ROAD TRAIN DEFINED AS ANY COMBINATION IN LENGTH > 30m).



PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
Waterloo Crescent
Telephone 138 138

EAST PERTH 6004

DRAWN	J. COOK	OCT 99
DESIGNED	J. COOK	OCT 99
VERIFIED	K. TURNER	29.10.99
APPROVED	R. GROVE	29.10.99
FILE NO.	67-08-4H	

STANDARD DRAWING
PAVEMENT MARKING
LINE TYPES

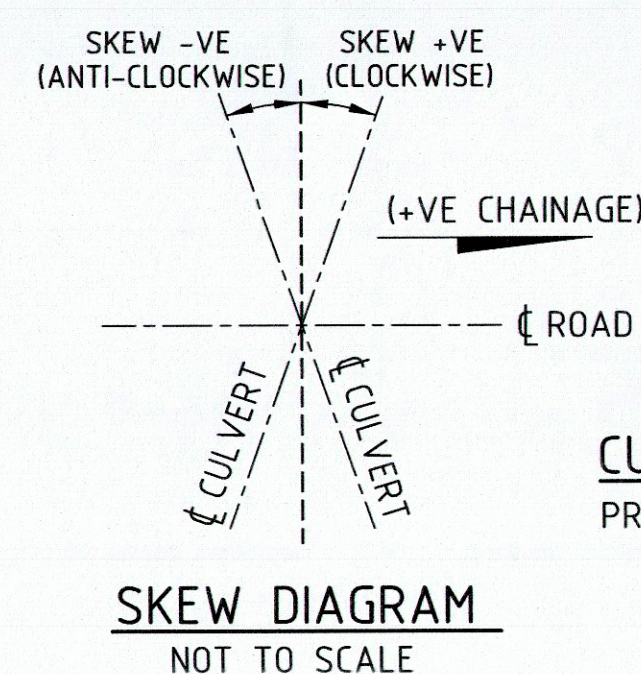
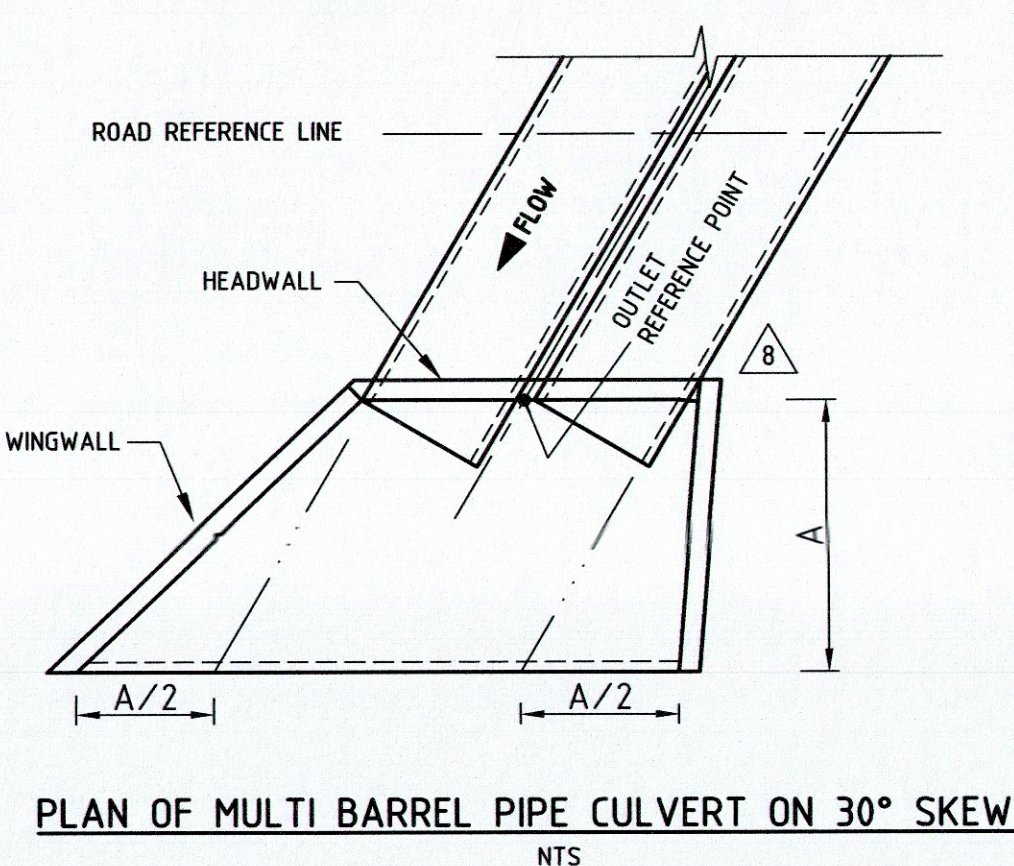
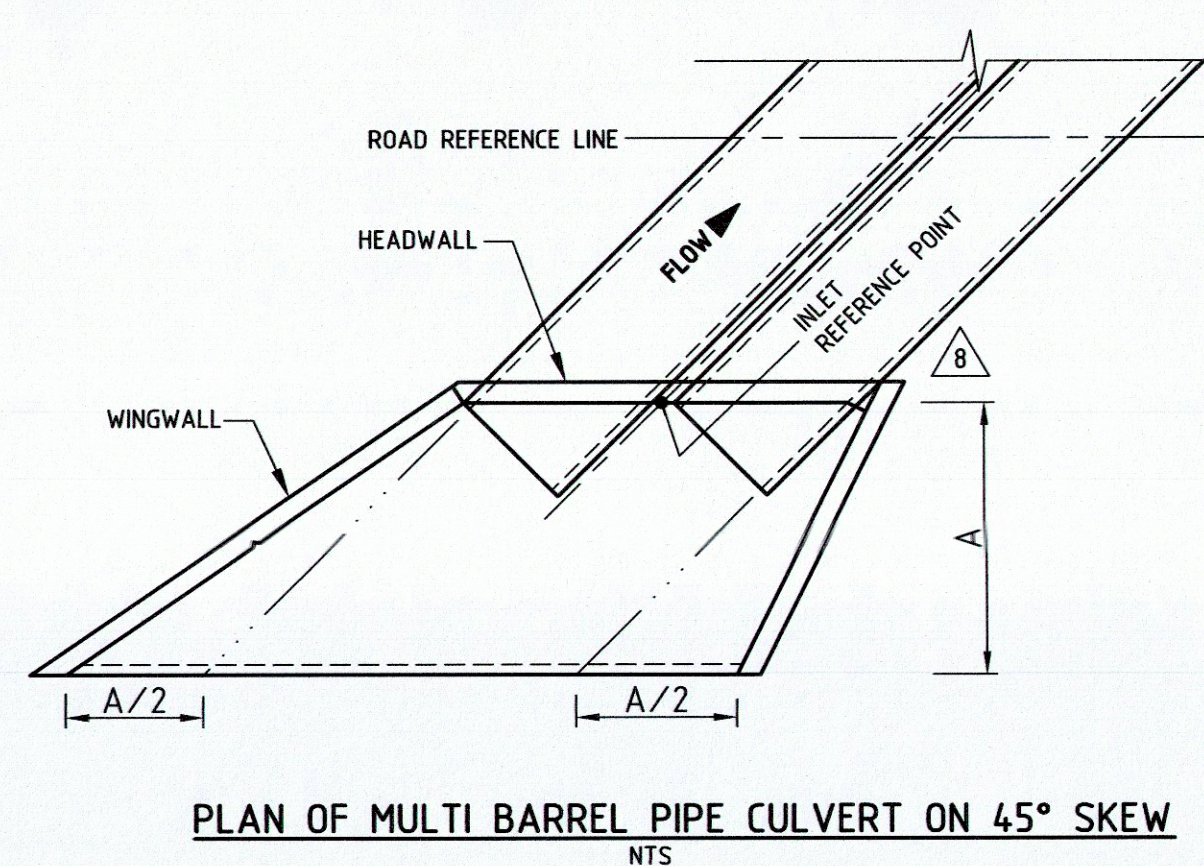
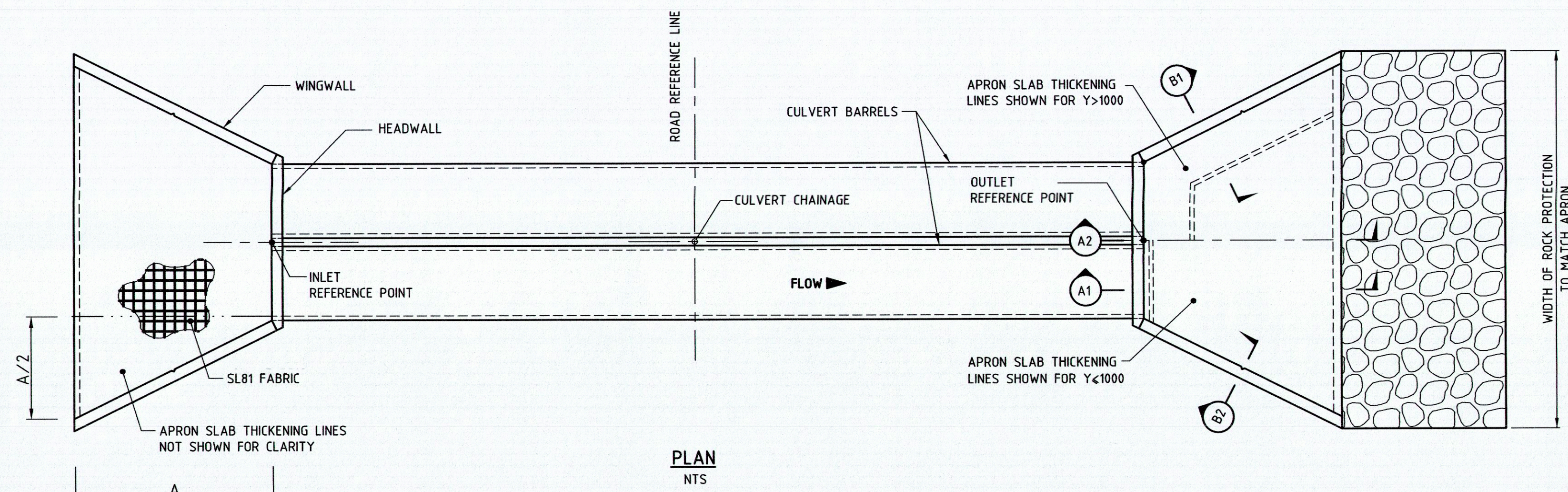
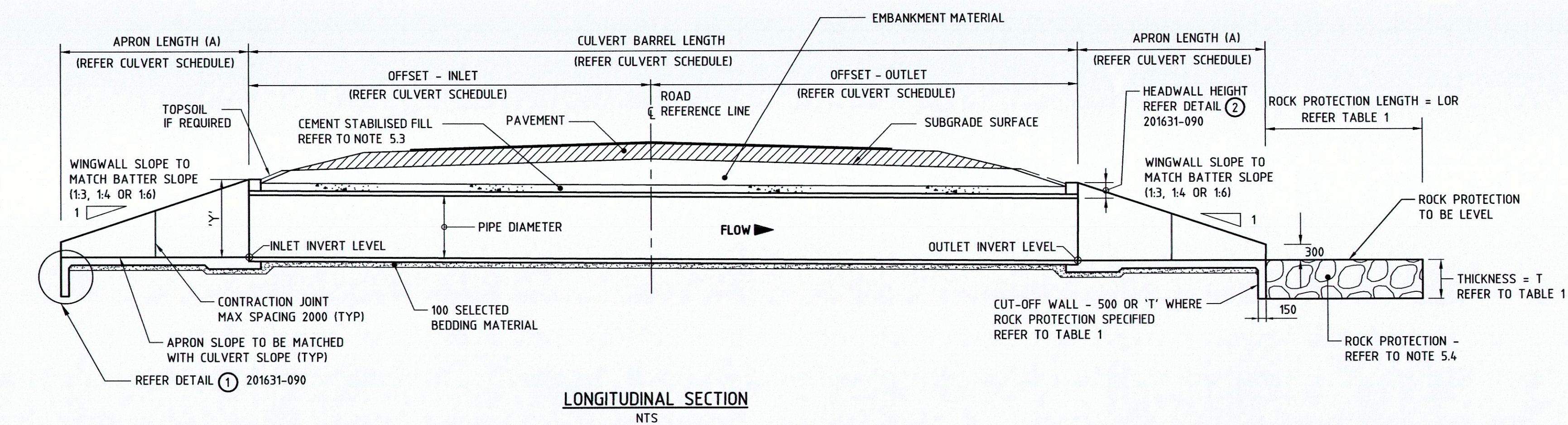
MRWA DRAWING NUMBER

AMENDMENT

9931-0198-15

NOT TO SCALE

A3



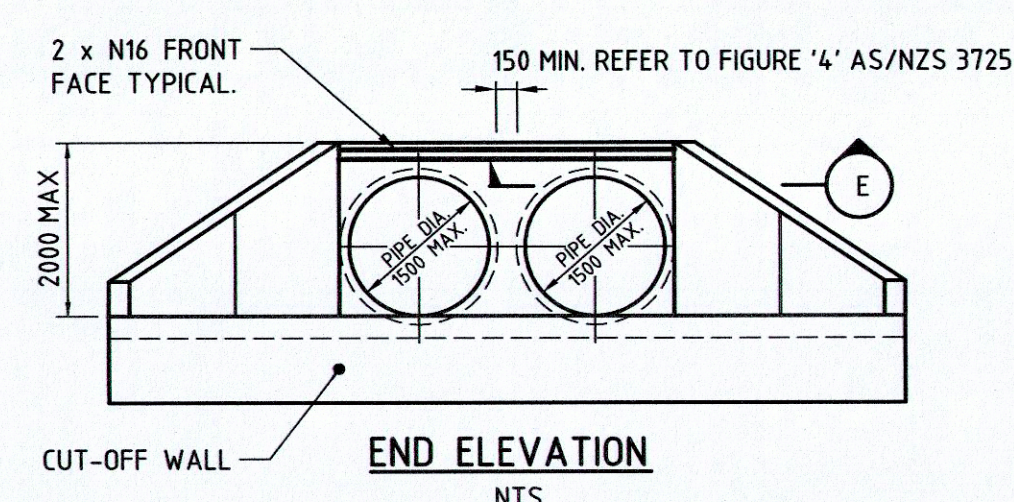
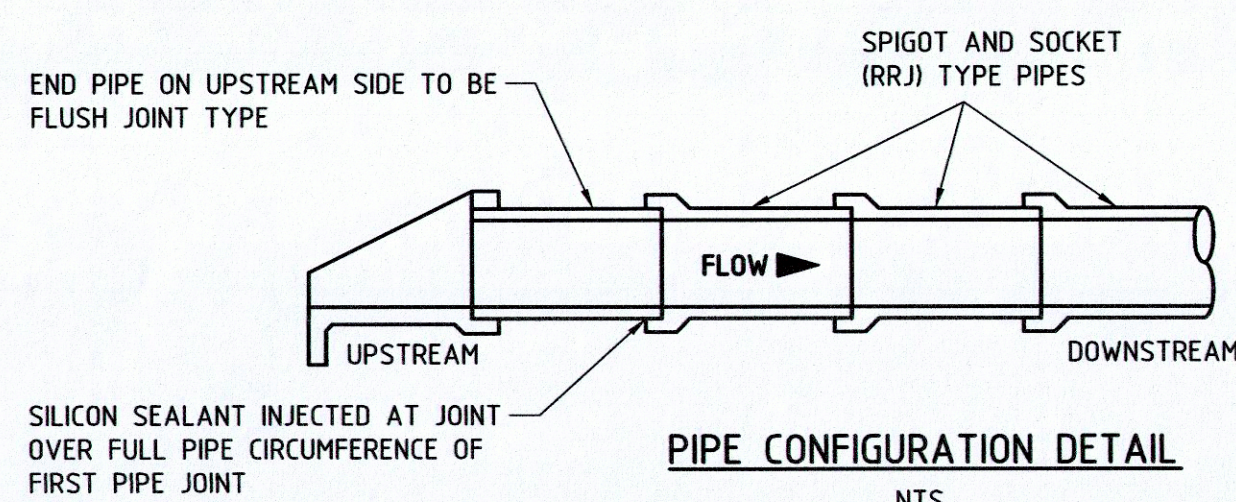
CULVERT SKEWS

PREFERRED CULVERT SKEWS ARE :-
0°, 15°, 30° & 45°
-15°, -30° & -45°

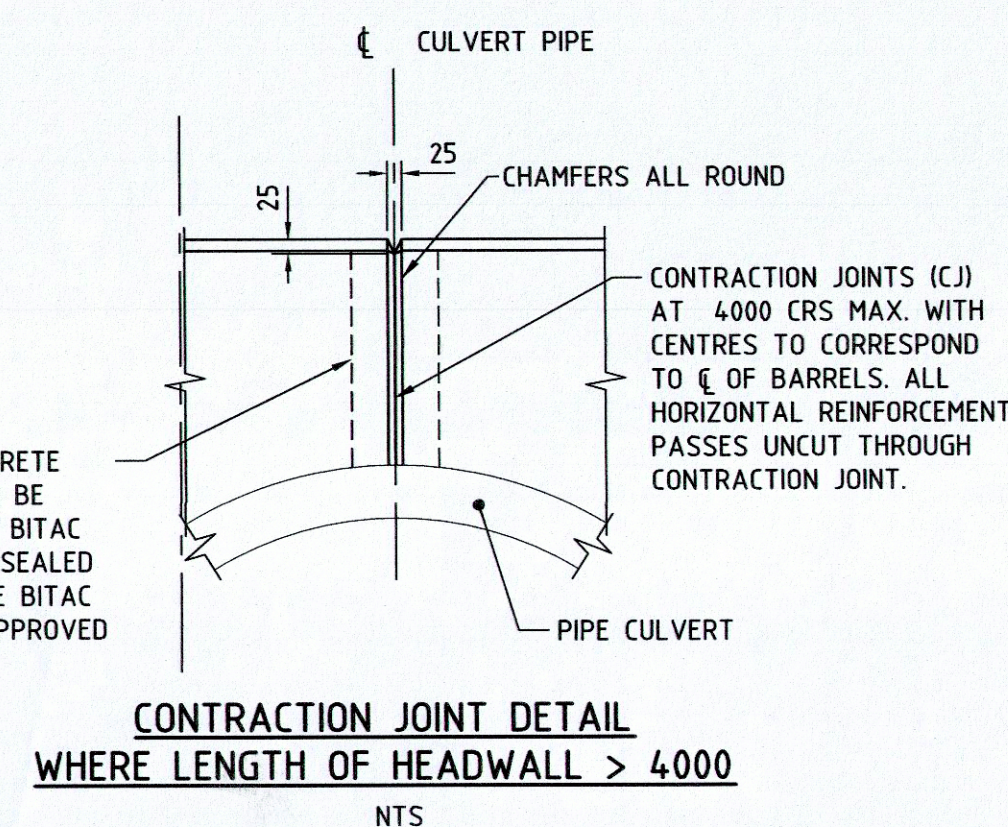
TABLE 1: ROCK PROTECTION DETAILS

CLASS ROCK	MIN THICKNESS (T)	MIN LENGTH (LOR)	ROCK SIZE (m)*	ROCK MASS (Kg)	% OF ROCK LARGER THAN
FACING	500	3000	0.40	100	0
			0.30	35	50
			0.15	2.5	90
LIGHT	750	3000	0.55	250	0
			0.40	100	50
			0.20	10	90
1/4 TONNE	1000	5000	0.75	500	0
			0.55	250	50
			0.30	35	90
1/2 TONNE	1250	5000	0.90	1000	0
			0.70	450	50
			0.40	100	90

* ASSUMING A SPECIFIC GRAVITY OF 2.65 AND SPHERICAL SHAPE FOR ALL ROCK CLASSES.



FACE OF CONCRETE HEADWALL TO BE PRIMED WITH BITAC PRIMER AND SEALED WITH 150 WIDE BITAC OR SIMILAR APPROVED



NOTES

1. GENERAL

- 1.1 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH MAIN ROADS STANDARD DRAWING 201631-0090 AND SPECIFICATION 404 CULVERTS.
- 1.2 THE PRECAST PIPE CULVERT UNITS SHALL BE SUPPLIED IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 404 CULVERTS.
- 1.3 THESE STANDARD DRAWINGS ARE APPLICABLE FOR CULVERTS AS DESCRIBED BY THE ATTACHED DESIGN CRITERIA. STRUCTURES THAT DO NOT MEET THESE CRITERIA SHALL BE DESIGNED OUTSIDE THIS STANDARD AND ARE SUBJECT TO APPROVAL BY MAIN ROADS.

2. CONCRETE

- 2.1 APRON SLABS, WINGWALLS AND HEADWALLS SHALL BE CLASS N40 CONCRETE MINIMUM UNLESS NOTED OTHERWISE (U.N.O) IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 404 CLAUSE 404.09 AND ANNEXURE 404A TABLE 404A3.
- 2.2 THE MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE :-
 - a) ALL EXPOSED FACES 55
 - b) BURIED FACES - HEADWALLS AND WINGWALLS 55
 - c) FACES IN CONTACT WITH GROUND - APRONS AND SLAB 65
 IF MORE AGGRESSIVE SOIL CONDITIONS ARE PRESENT THEN SLABS AND WINGWALLS REQUIRE REDESIGNING AND SHALL BE SUBMITTED TO MAIN ROADS FOR REVIEW AND APPROVAL.
- 2.3 CONCRETE FINISHES SHALL CONFORM TO THE FOLLOWING :-
 - 2 INDICATES A FORMED CONCRETE SURFACE FINISH AND SHALL BE IN ACCORDANCE WITH AS 3610.1
 - U2 INDICATES AN UNFORMED CONCRETE SURFACE (REFER TO SPECIFICATION 901)

- 2.4 ALL EXPOSED CONCRETE EDGES SHALL HAVE 20 X 20 CHAMFERS U.N.O.

3. REINFORCEMENT

- 3.1 REINFORCEMENT STEEL SHALL BE IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 822 STEEL REINFORCEMENT.
- 3.2 THE REINFORCEMENT SYMBOLS AND DENOTATIONS ARE AS FOLLOWS :-
 - N - HOT ROLLED DEFORMED GRADE D500N BAR OF 500 MPa YIELD STRENGTH
 - SL - GRADE D500L FABRIC OF 500 MPa YIELD STRENGTH
- 3.3 U.N.O, ALL BAR LAPS LENGTH SHALL BE A MINIMUM OF 45D AND A MAXIMUM OF 45D+150 FOR REINFORCING BARS. STOCK LENGTHS AND STAGGERED LAPS SHALL BE PROVIDED. U.N.O, ALL FABRIC OVERLAPS SHALL BE A MINIMUM OF TWO CROSS WIRES ON BOTH SHEETS.
- 3.4 REINFORCEMENT SHALL NOT BE WELDED OR HEAT TREATED.
- 3.5 CUTTING AND BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH AS 3600.
- 3.6 REINFORCEMENT PLACEMENT ABBREVIATIONS ARE :-

FF - FAR FACE	NF - NEAR FACE	EF - EACH FACE
T - TOP	TS - TOP SECONDARY	
B - BOTTOM	BS - BOTTOM SECONDARY	
- 3.7 FABRIC MAIN REINFORCING WIRES SHALL BE AT RIGHT ANGLES TO FLOW DIRECTION. APRON SLAB REINFORCEMENT SHALL BE PLACED SQUARE WITH THE CULVERT UNITS UNLESS OTHERWISE SHOWN.

4. ROAD SAFETY BARRIERS

- 4.1 ROAD SAFETY BARRIERS IF REQUIRED SHALL BE SHOWN ON THE PROJECT SPECIFIC DRAWINGS.

5. INSTALLATION

- 5.1 THE SERVICEABILITY LIMIT STATE BEARING CAPACITY SHALL BE NOT LESS THAN 250 kPa. A GEOTECHNICAL ENGINEER SHALL CONFIRM THAT THE BEARING PRESSURE IS ADEQUATE.
- 5.2 THE INSTALLATION AND BACKFILLING OF PIPE CULVERTS SHALL BE IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 404.
- 5.3 BACKFILL MATERIAL IN ZONE OF SPECIAL COMPACTION AND CEMENT STABILISED BACKFILL SHALL COMPLY WITH MAIN ROADS SPECIFICATION 404.
- 5.4 THE NEED FOR SCOUR PROTECTION SHALL BE DETERMINED BY THE PROJECT ENGINEER. THE DEPTH OF APRON SLAB DOWNSTANDS MAY BE VARIED TO SUIT THE ROCK PROTECTION. ROCK PROTECTION SHALL COMPLY WITH MAIN ROADS SPECIFICATION 406.

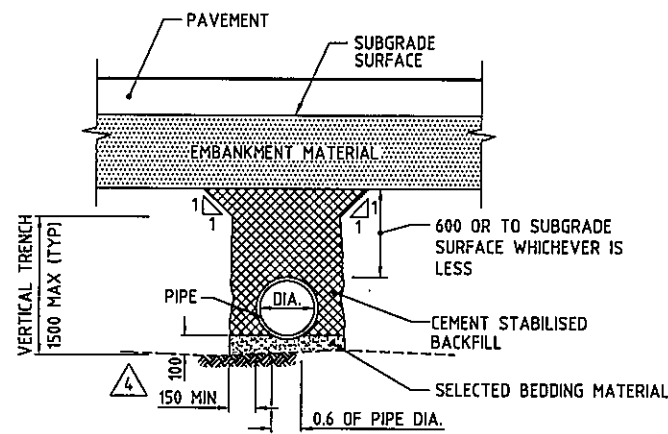
THESE DETAILS ARE NOT SUITABLE FOR HEADWALLS GREATER THAN 2000 HIGH.

ALL UNITS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

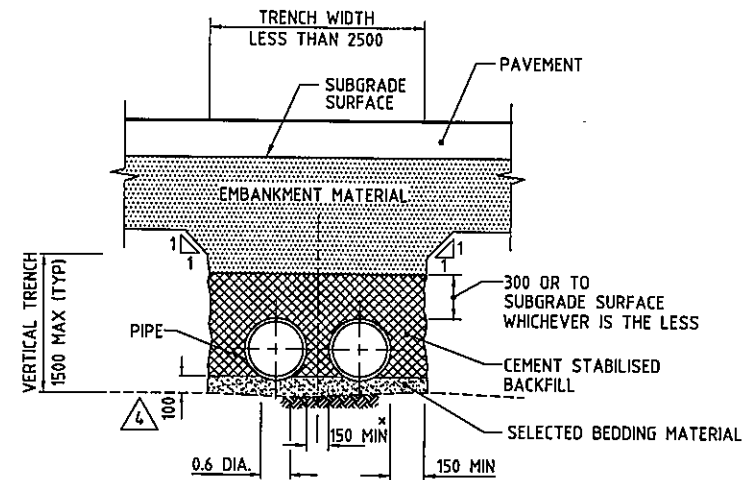
No.	DESCRIPTION	APPROVED & DATE	No.	DESCRIPTION	APPROVED & DATE	No.	DESCRIPTION	APPROVED & DATE
4.	SECTION B2 AMENDED.	T. FREEMAN 23/02/15	6.	PLAN OF MULTI BARREL PIPE CULVERT ON SKEWS ADDED.	Z. BATEN 22/05/18			
3.	TABLE 1 UPDATED, WING WALL SLOPE CHANGED.	T. FREEMAN 08/04/14	5.	CULVERT SKEW DIAGRAMS ADDED.				
2.	UPSTREAM END TREATMENT REMOVED FROM PIPE CONFIGURATION DETAIL.	R. GROVE 22/05/08		CUT OFF WALL ADDED AT INLET SIDE APRON SLOP.	T. FREEMAN 22/12/17			
1.	DETAILS FOR MAX. PIPE DIA, HEADWALL HEIGHT ABOVE OBVERT AND DRAWING SUB-TITLE AMENDED.	R. GROVE 19/07/05		ROCK PROTECTION TABLE AMENDED CEMENT STABILISED LAYER ADDED.				
				NOTE 13 & 14 ADDED, HEIGHT & WIDTH OF HEADWALL AMENDED.				
				TITLE BLOCK AMENDED.				

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NO. 201631-090

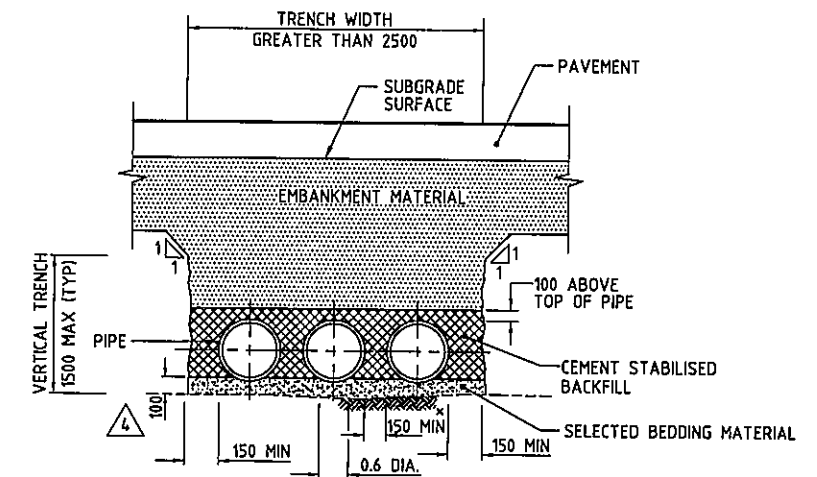
 PLANNING AND TECHNICAL SERVICES DIRECTORATE ROAD AND TRAFFIC ENGINEERING BRANCH WATERLOO CRESCENT Telephone (08) 9323 4111	DESIGNED G. DE SILVA	STANDARD DRAWING R.C.P. CULVERT GENERAL ARRANGEMENT (FOR MAXIMUM PIPE DIAMETER 1500) SHEET 1 OF 2 200131-0061-8
	DRAWN J. COOK / K. KASIRI	
	VERIFIED J. KARPINSKI 08.01.03	
	APPROVED R. GROVE 11.01.03	
FILE NUMBER		LOCAL AUTHORITY MRWA DRAWING NUMBER



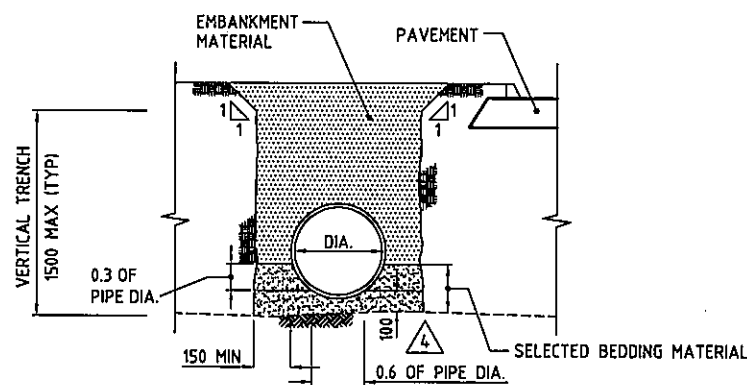
TRENCH METHOD (TRAFFICABLE) - SINGLE BARREL
NTS



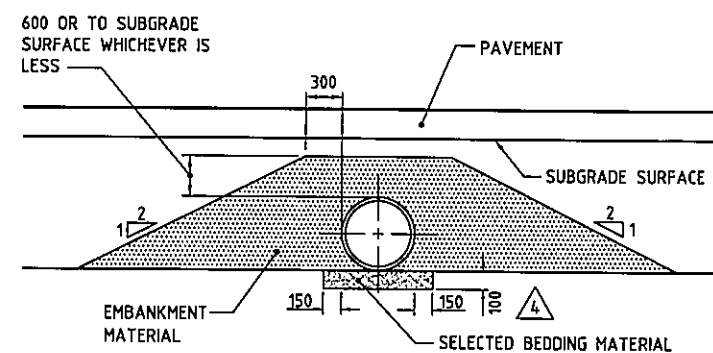
TRENCH METHOD (TRAFFICABLE) - MULTI BARRELS
TRENCH WIDTH ≤ 2500
NTS
* REFER NOTE 4.



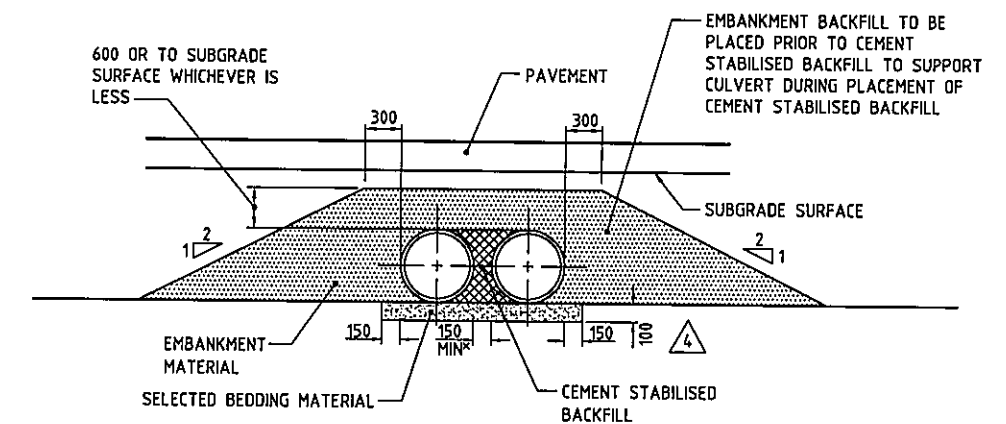
TRENCH METHOD (TRAFFICABLE) - MULTI BARRELS
TRENCH WIDTH > 2500
NTS
* REFER NOTE 4.



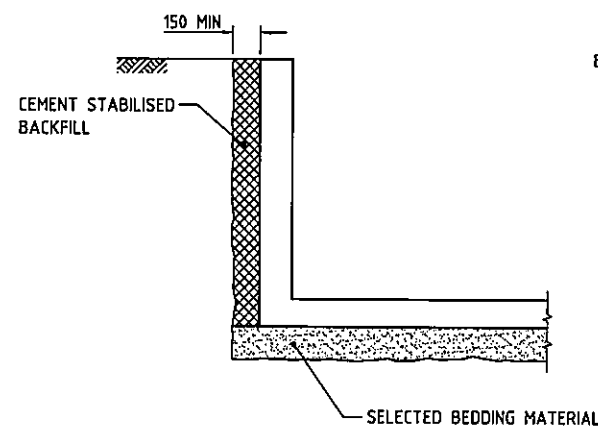
TRENCH METHOD (NON-TRAFFICABLE)
NTS



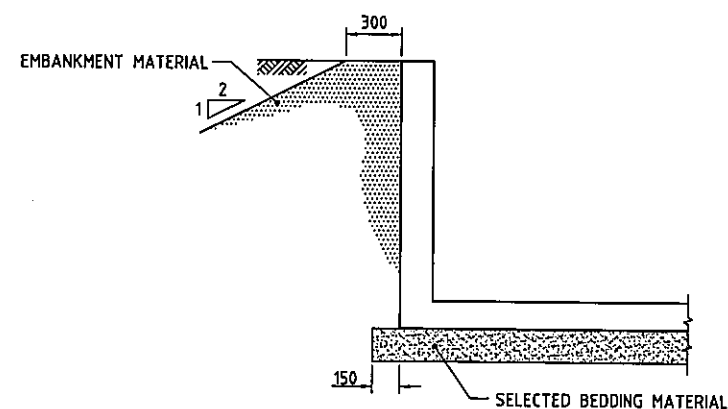
BACKFILL - EMBANKMENT METHOD - SINGLE BARREL
APPLICABLE TO ALL TRAFFIC ENVIRONMENTS
NTS



BACKFILL - EMBANKMENT METHOD - MULTI BARRELS
APPLICABLE TO ALL TRAFFIC ENVIRONMENTS
NTS
* REFER NOTE 4.



WINGWALLS AND APRON
NTS
TRENCH METHOD



WINGWALLS AND APRON
NTS
EMBANKMENT METHOD

NOTES:

1. BEDDING MATERIAL, FOUNDATION COMPACTION AND BACKFILL COMPACTION TO BE AS PER SPECIFICATION 404.
2. CEMENT STABILISED BACKFILL MIX TO BE AS PER SPECIFICATION 404.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.
4. MINIMUM DISTANCE BETWEEN RUBBER RING JOINT TYPE PIPE SHALL BE TAKEN BETWEEN THE COLLARS.
5. COVER TO TOP OF PIPE IS MATERIAL DEPENDENT. REFER TO MANUFACTURER'S REQUIREMENTS.

1.	TITLE AMENDED, TRAFFIC CONDITIONS ADDED TO DETAIL. TITLES: NON-TRAFFICABLE DETAIL, ADDED, NOTE 5 ADDED, TITLE BLOCK UPDATED, BEDDING LAYER THICKNESS TABLE ADDED.	CPL 13.06.96	
2.	REMOVED REFERENCE TO REINFORCED CONCRETE PIPE	CPL 23.06.10	
3.	ADDED VERTICAL TRENCH REQUIREMENT AND REMOVED REDUNDANT NOTE.	T.F. 25.06.10	
No.	DESCRIPTION	APPROVED & DATE	No.
AMENDMENTS			AMENDMENTS

TECHNOLOGY AND ENVIRONMENT DIRECTORATE
 ROAD AND TRAFFIC ENGINEERING BRANCH
 WATERLOO CRESCENT EAST PERTH 6004
 Telephone (08) 9323 4111 Fax (08) 9323 4449

STANDARD DRAWING
 67-08-52
 BEDDING & BACKFILL DETAILS
 CIRCULAR PIPE
 LOCAL AUTHORITY

DESIGNED	VERIFIED
J. KARPINSKI 12/12/02	J. KARPINSKI 12/12/02
DRAWN	APPROVED
J. COOK	R. GROVE 19/12/02
FILE NUMBER	AMENDMENT
67-08-52	
DRAWING NUMBER	
200131-062-4	

SCALE NOT TO SCALE

SCALE NOT TO SCALE

A 1

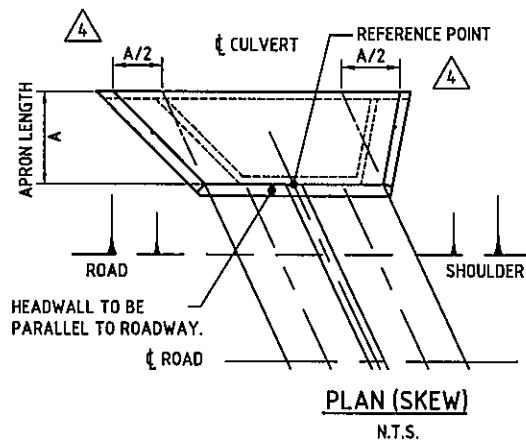
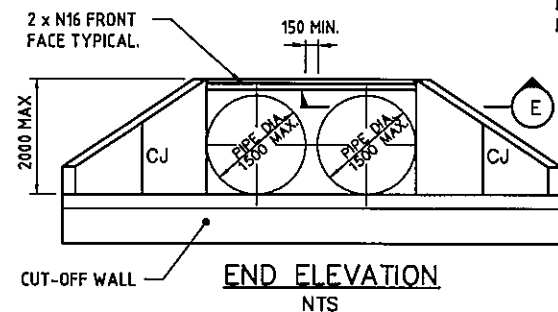
TABLE 1: ROCK PROTECTION DETAILS

CLASS ROCK	MIN THICKNESS (T)	MIN LENGTH (LOR)	ROCK SIZE (m)	ROCK MASS (Kg)	% OF ROCK LARGER THAN
FACING	500	3000	0.40 0.30 0.15	100 35 2.5	0 50 90
LIGHT	750	3000	0.55 0.40 0.20	250 100 10	0 50 90
1/4 TONNE	1000	5000	0.75 0.55 0.30	500 250 35	0 50 90
1/2 TONNE	1250	5000	0.90 0.70 0.40	1000 450 100	0 50 90

* ASSUMING A SPECIFIC GRAVITY OF 2.65 AND SPHERICAL SHAPE FOR ALL ROCK CLASS.

TABLE 2: APRON LENGTH TABLE
(BASED ON 1:4 BATTER SLOPE & STD. 300MM HEADWALL HEIGHT)

CULVERT DIA.	APRON LENGTH
≤ 450	1800
600	2400
750	3000
900	3600
1050	4200
1200	4800
1350	5400
1500	6000



CUT-OFF WALL - 500 OR 'T' WHERE ROCK PROTECTION SPECIFIED REFER TO TABLE 1

LENGTH OF ROCK (LOR)

(REFER TO TABLE 1)

APRON LENGTH (A)

(REFER TO TABLE 2)

OVERALL BARREL LENGTH

(REFER TO CULVERT SCHEDULE)

APRON LENGTH (A)

(REFER TO TABLE 2)

LENGTH OF ROCK (LOR)

(REFER TO TABLE 1)

OFFSET FROM CENTRELINE

(REFER TO CULVERT SCHEDULE)

OFFSET FROM CENTRELINE

(REFER TO CULVERT SCHEDULE)

EMBANKMENT MATERIAL

PAVEMENT LAYER

ROAD REFERENCE LINE

CEMENT STABILISED BACKFILL

REFER DRG. N° 200131-062

OUTLET INVERT LEVEL (IL)

REFER CULVERT SCHEDULE

INLET INVERT LEVEL (IL)

REFER CULVERT SCHEDULE

150 THICK SELECTED BEDDING MATERIAL

LONGITUDINAL SECTION (A)

N.T.S.

ROCK PROTECTION CLASS

REFER CULVERT SCHEDULE

ROCK PROTECTION

REFER NOTE 6.4 IN 200131-065

OUTLET REFERENCE POINT

SHOULDER

CHAINAGE (REFER CULVERT SCHEDULE)

ROAD CENTRE LINE

C.S.P.

C.S.P.

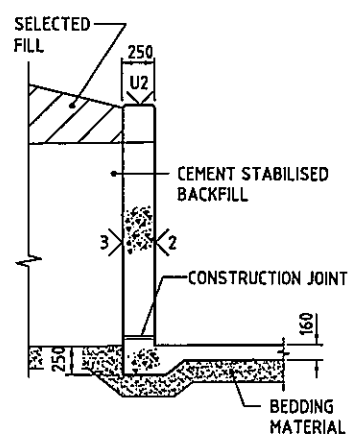
INLET REFERENCE POINT

ROAD

TYPICAL PLAN

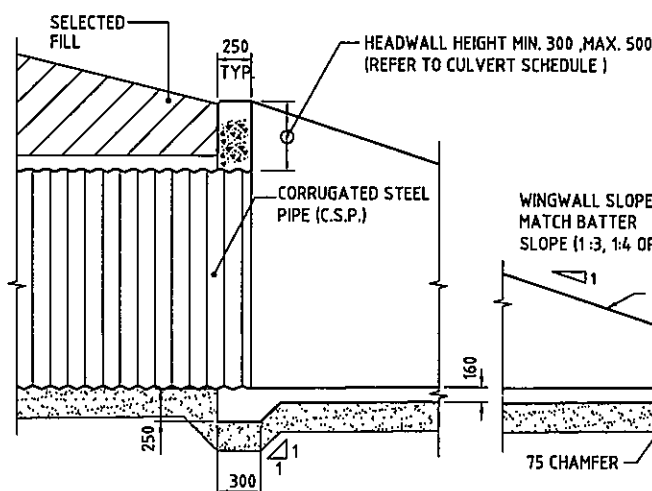
TWO BARRELS DRAWN

SINGLE OR MULTIPLE BARRELS SIMILAR



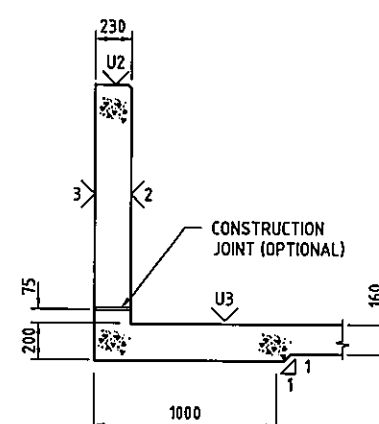
SECTION (B)

N.T.S.



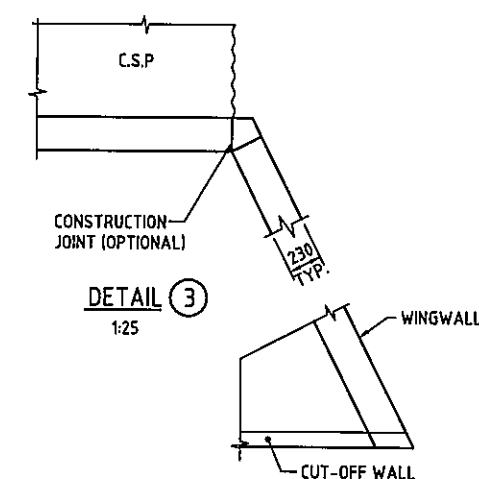
SECTIONAL ELEVATION (C)

N.T.S.



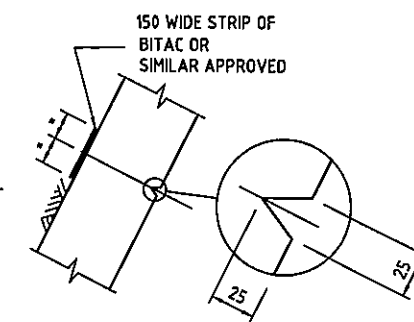
SECTION (D)

1:20



DETAIL (2)

1:25



DETAIL (1) CONTRACTION JOINT

1:10

No.	DESCRIPTION	APPROVED & DATE	No.	DESCRIPTION	APPROVED & DATE
3.	BATTER AND WINGWALL SLOPE AMENDED TO 1:4	T.A. FREEMAN 4.2.15	4.	MAXIMUM PIPE SIZE LIMITED TO 1500 DIA. ROAD SECTION AMENDED. WINGWALL SLOPE & SPLAY VALUE AMENDED. ROCK PROTECTION TABLE ADDED. APRON LENGTH TABLE AMENDED. TITLE OF DRAWING AMENDED.	T.A. FREEMAN 8.4.14
2.	WINGWALL SLOPE CHANGED, APRON LENGTH TABLE UPDATED	R. GROVE 19.2.02			
1.	NAME ADDED TO DETAIL 1, MINOR EDITORIAL CHANGES TO NOTES.				
AMENDMENTS			AMENDMENTS		

METADATA

GROUND SURVEY STANDARD:
DATE OF CAPTURE:
MAPPING SURVEY STANDARD:
DATE OF CAPTURE:
MAIN ROADS PROJECT ZONE:
HEIGHT DATUM:

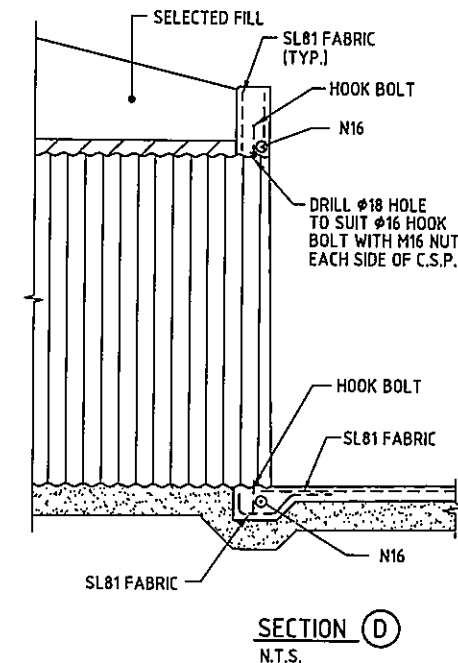
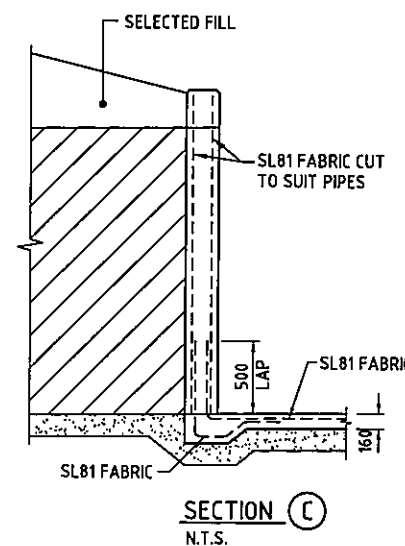
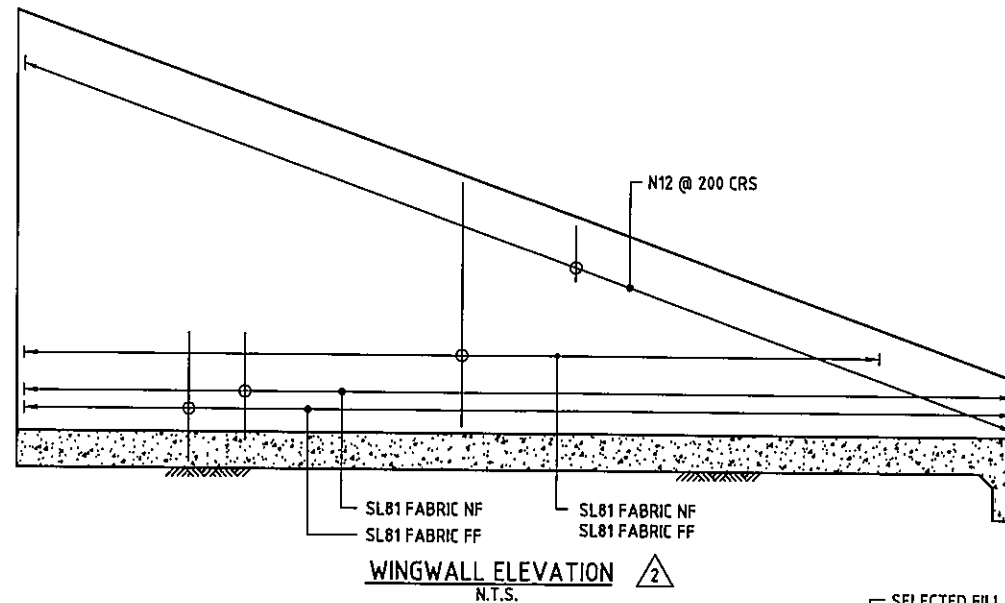
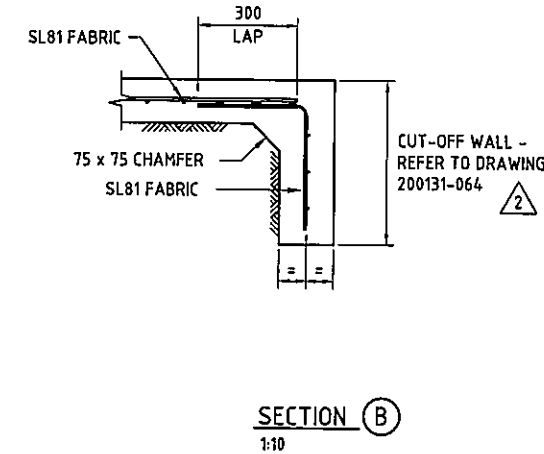
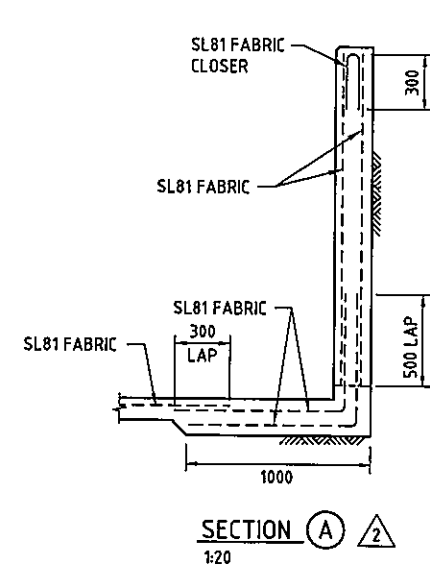
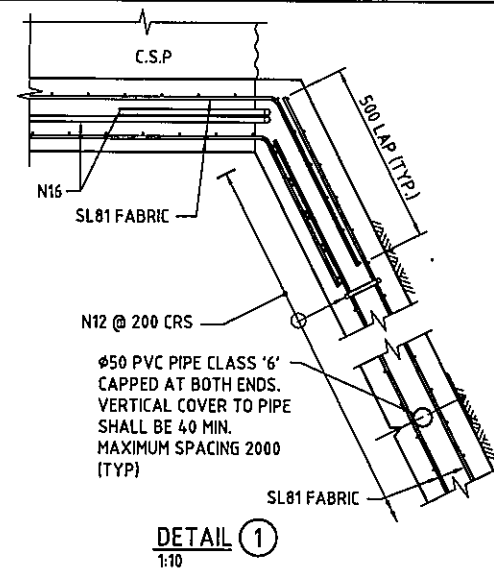
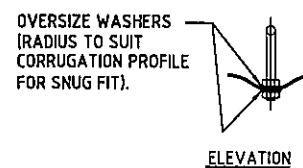
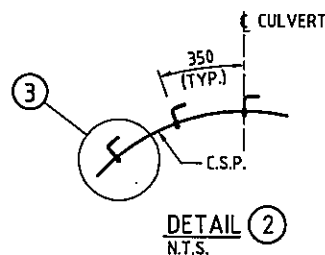
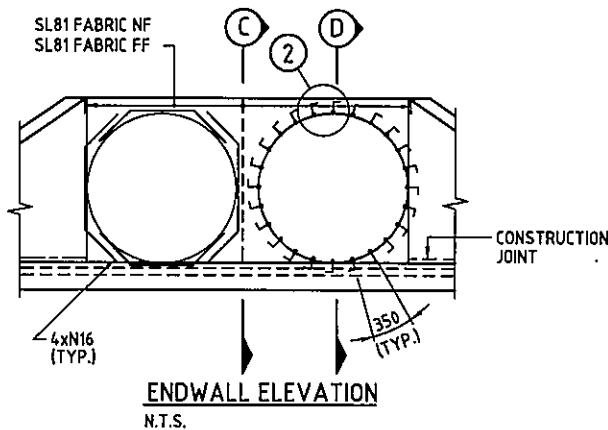
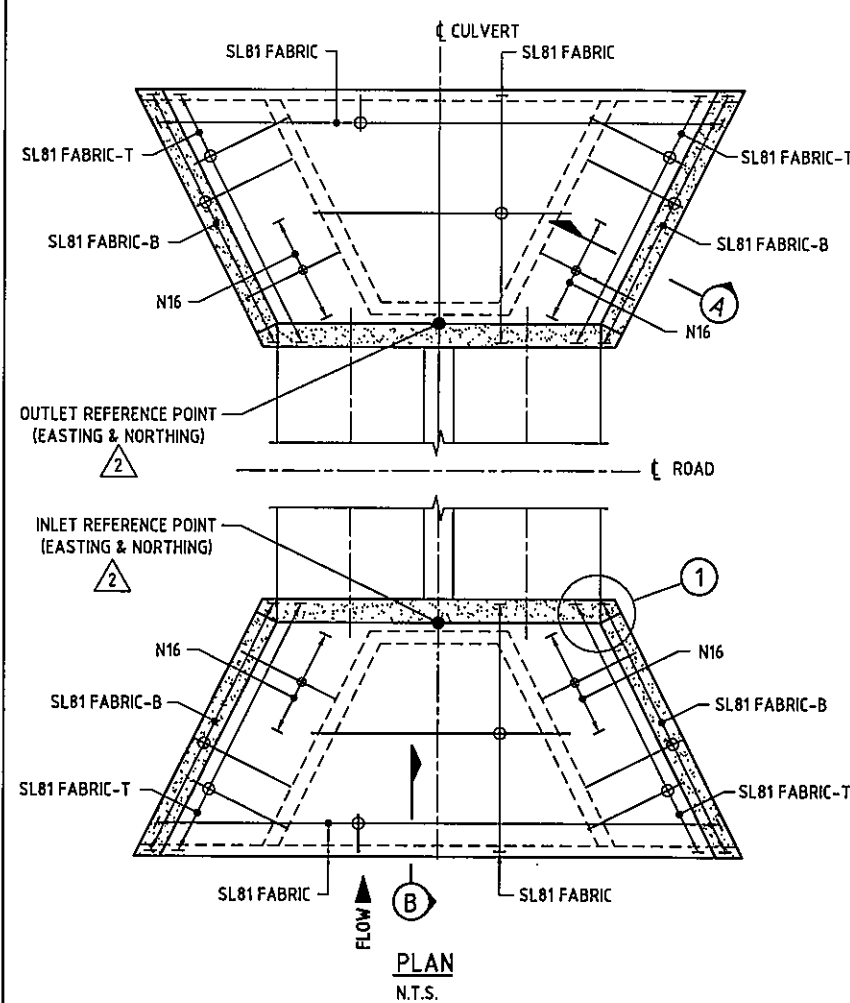
Government of Western Australia
MAIN ROADS
Western Australia
TECHNOLOGY AND ENVIRONMENT DIRECTORATE
ROAD AND TRAFFIC ENGINEERING
WATERLOO CRESCENT
Telephone (08) 9323 4111
EAST PERTH 6004
Fax (08) 9323 4449

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NO. 201631-065 AND 200131-066

STANDARD DRAWING
C.S.P. CULVERT DETAILS
MAXIMUM PIPE DIAMETER 1500
GENERAL ARRANGEMENT WITH ENDWALLS
SHEET 1 OF 3

DESIGNED	G. DE SILVA	VERIFIED	J. KARPINSKI	19.12.02
DRAWN	J. COOK/ K. KASIRI	APPROVED	R. GROVE	19.12.02
DRAWING TYPE	FILE NUMBER	67-08-52	DRAWING NUMBER	200131-064-4
0601				

A 1



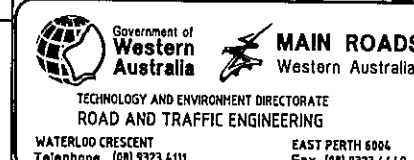
NOTES:

- GENERAL**
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH MAIN ROADS SPECIFICATION 404.
 - THE CSP CULVERT UNITS SHALL BE SUPPLIED IN ACCORDANCE WITH MAIN ROADS CULVERT SPECIFICATION 404.
- CONCRETE**
 - APRON SLABS, WINGWALLS AND HEADWALLS SHALL BE CLASS N40 CONCRETE MINIMUM UNLESS NOTED OTHERWISE (U.N.O.) IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 404 ANNEXURE 404C.06.
 - THE MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE:
 - ALL EXPOSED FACES 55
 - BURIED FACES - HEADWALLS & WINGWALLS 55
 - FACES IN CONTACT WITH GROUND - APRONS & SLAB 65
 IF MORE AGGRESSIVE SOIL CONDITIONS ARE PRESENT THEN SLABS AND WINGWALLS REQUIRE REDESIGNING AND SHALL BE SUBMITTED TO MAIN ROADS FOR REVIEW AND APPROVAL.
 - CONCRETE FINISHES SHALL CONFORM TO THE FOLLOWING:
 - INDICATES A FORMED CONCRETE SURFACE FINISH AND SHALL BE IN ACCORDANCE WITH AS 3610
 - INDICATES AN UNFORMED CONCRETE SURFACE (REFER TO SPECIFICATION 901)
 - ALL EXPOSED CONCRETE EDGES SHALL HAVE 20 mm x 20 mm CHAMFERS U.N.O.
- REINFORCEMENT**
 - REINFORCEMENT SHALL BE IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 404 CLAUSE 404.9.
 - THE REINFORCEMENT SYMBOLS AND DENOTATIONS ARE AS FOLLOWS:
 - N - HOT ROLLED DEFORMED GRADE D500N BAR OF 500 MPa YIELD STRENGTH
 - SL - GRADE D500L FABRIC OF 500 MPa YIELD STRENGTH
 - U.N.O. ALL BAR LAP LENGTHS SHALL BE A MINIMUM OF 45D AND A MAXIMUM OF 450+150 FOR REINFORCING BARS. STOCK LENGTHS AND STAGGERED LAPS SHALL BE PROVIDED. U.N.O. ALL FABRIC OVERLAPS SHALL BE A MINIMUM OF TWO CROSS WIRES ON BOTH SHEETS.
 - REINFORCEMENT SHALL NOT BE WELDED OR HEAT TREATED.
 - CUTTING AND BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH AS 3600.
 - REINFORCEMENT PLACEMENT ABBREVIATIONS ARE:
 - FF - FAR FACE NF - NEAR FACE EF - EACH FACE
 - TS - TOP SECONDARY T - TOP
 - BS - BOTTOM SECONDARY B - BOTTOM
 - FABRIC MAIN REINFORCING WIRES SHALL BE AT RIGHT ANGLES TO FLOW DIRECTION.
- GUARDRAILING**
 - GUARDRAILING IF REQUIRED SHALL BE SHOWN ON THE PROJECT SPECIFIC DRAWINGS.
- STEELWORK**
 - AFTER FABRICATION, ALL STEELWORK SHALL BE HOT-DIP GALVANISED, AS FOLLOWS: PLATES, BOLTS, NUTS, WASHERS AND HOOK BOLTS IN ACCORDANCE WITH AS 1214.
 - ALL CUTTING & DRILLING OF C.S.P. SHALL BE TREATED WITH AN APPROVED COLD GALVANISING.
 - Ø16 HOOK BOLTS - GRADE 250 ROUND MERCHANT BAR TO AS/NZS 3679.1.
- INSTALLATION**
 - THE SERVICEABILITY LIMIT STATE BEARING CAPACITY SHALL BE NOT LESS THAN 250 kPa. A GEOTECHNICAL ENGINEER SHALL CONFIRM THAT THE BEARING PRESSURE IS ADEQUATE.
 - THE INSTALLATION AND BACKFILLING OF CSP CULVERTS SHALL BE IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 404.
 - BACKFILL MATERIAL IN ZONE OF SPECIAL COMPACTION AND CEMENT STABILISED BACKFILL SHALL COMPLY WITH MAIN ROADS SPECIFICATION 404.
 - THE NEED FOR SCOUR PROTECTION SHALL BE DETERMINED BY THE PROJECT ENGINEER. THE DEPTH OF APRON SLAB DOWNSTANDS MAY BE VARIED TO SUIT THE ROCK PROTECTION. ROCK PROTECTION SHALL COMPLY WITH MAIN ROADS SPECIFICATION 406.

2. DRAWING PRESENTATION STYLE AMENDED.			
MAXIMUM PIPE SIZE LIMITED TO 1500 DIA.			
PLAN, SECTION 'A' & 'B' AMENDED.			
WINGWALL ELEVATION AMENDED.			
1. 'N' DEFINED ON SECTION A.	R GROVE 06/09/05		
No.	DESCRIPTION	No.	DESCRIPTION
AMENDMENTS		AMENDMENTS	

METADATA	
GROUND SURVEY STANDARD:	
DATE OF CAPTURE:	
MAPPING SURVEY STANDARD:	
DATE OF CAPTURE:	
MAIN ROADS PROJECT ZONE:	
HEIGHT DATUM:	

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NO. 200131-064, 200131-066



STANDARD DRAWING

C.S.P. CULVERT DETAILS

MAXIMUM PIPE DIAMETER 1500

CONSTRUCTION DETAILS FOR BASE SLABS, APRON SLABS

WINGWALL, HEADWALL

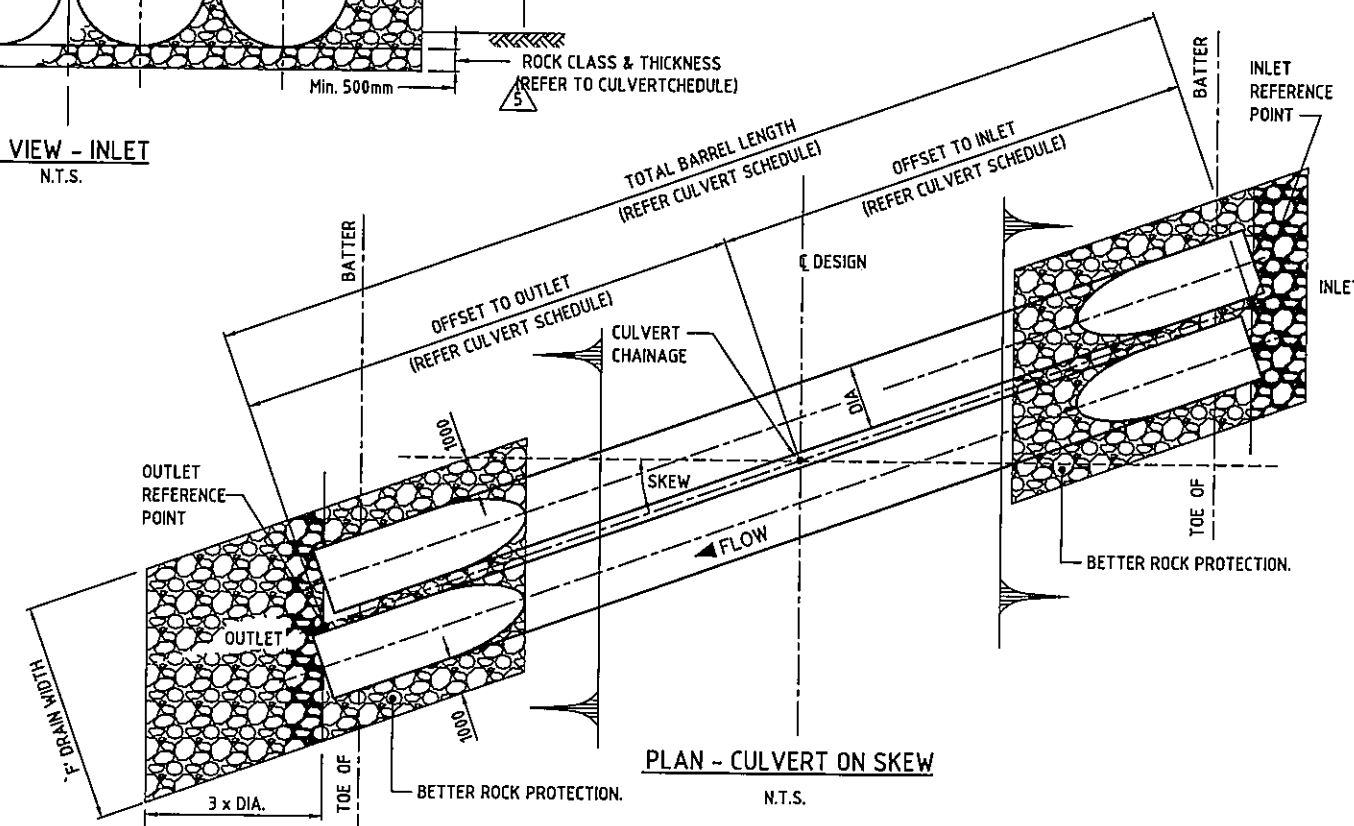
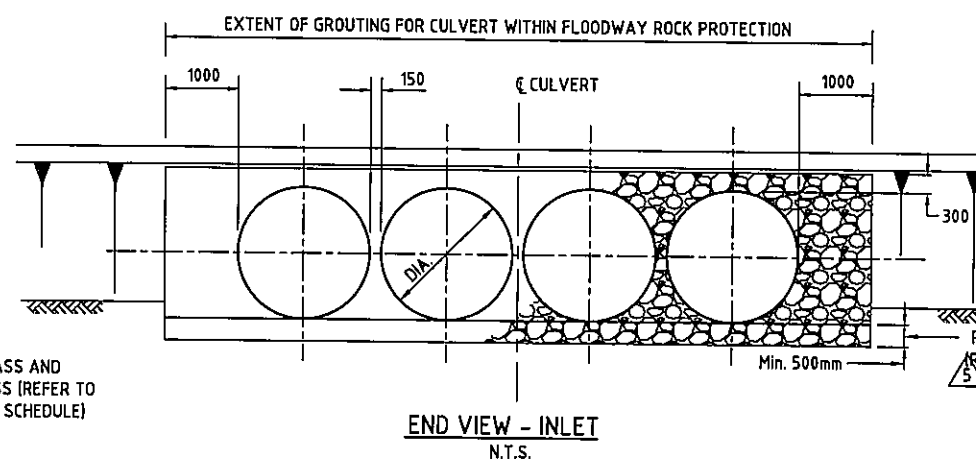
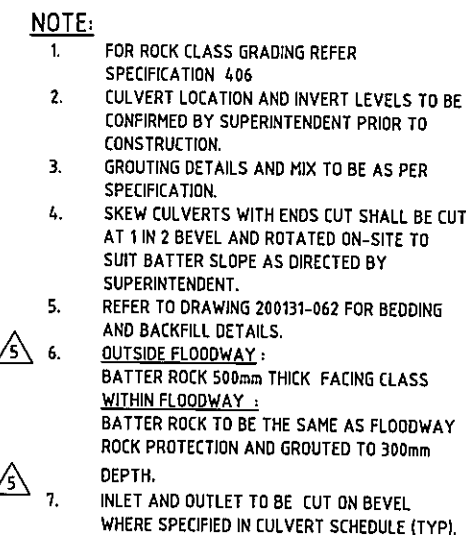
SHEET 2 OF 3

DESIGNED	G. DE SILVA	VERIFIED	J. KARPINSKI	12.12.02
DRAWN	J. COOK / K. KASIRI	APPROVED	R. GROVE	19.12.02
DRAWING TYPE	FILE NUMBER	67-08-52		
0601	DRAWING NUMBER	200131-065-2		

SCALE 1:10 0 100mm 200 300 400 500 600 700 800 900 1000

DATE

1




5.	ROAD SECTION AMENDED, TITLE BLOCK AMENDED, NOTE 6 AND 7 ADDED, MIN THICKNESS OF ROCK AT INLET LIMITED TO 544.	22.12.17			
4.	ROCK PROTECTION GROUTING AMENDED	TFREEMAN	21.9.12		
3.	ROCK PROTECTION UNDER PIPE AMENDED.	TFREEMAN	21.9.12		
2.	REMOVED BEDDING DETAILS AND ADDED NOTE 5.	CHASGRIPS	23.6.10		
1.	SELECTED FILL CHANGED TO ENHANCEMENT MATERIAL.	RGROVE	6.9.85		
No.	DESCRIPTION	APPROVED & DATE	No.	DESCRIPTION	APPROVED & DATE
AMENDMENTS			AMENDMENTS		

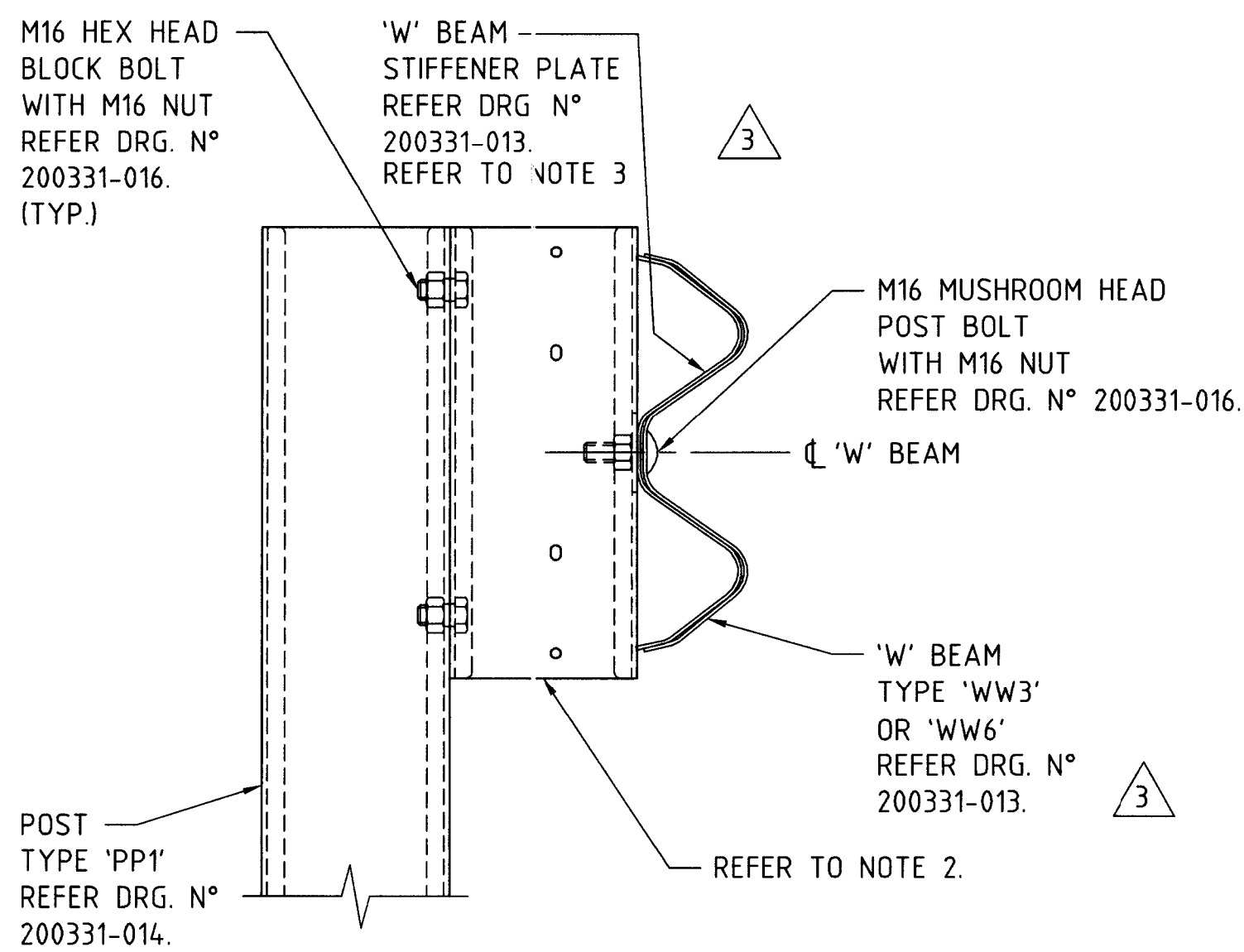
THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NO. 200131-064, 200131-065



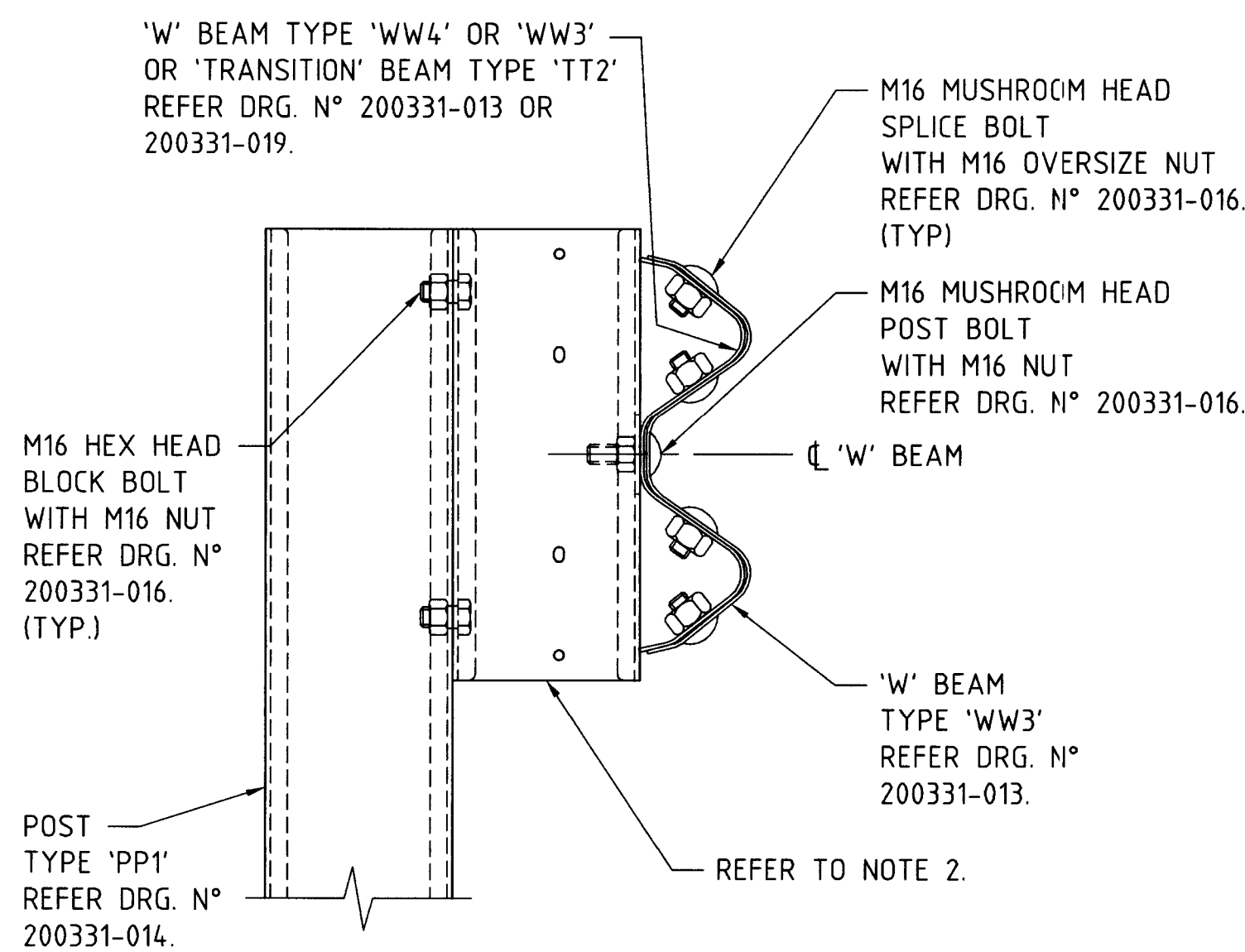
PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
WATERLOO CRESCENT
Telephone (08) 9323 4111
East Perth 6004
Fax (08) 9323

DESIGNED	G. DE SILVA	
DRAWN	J. COOK/ K. KASIRI	
VERIFIED	J. KARPINSKI	08.01.03
APPROVED	R. GROVE	16.01.03
FILE NUMBER		

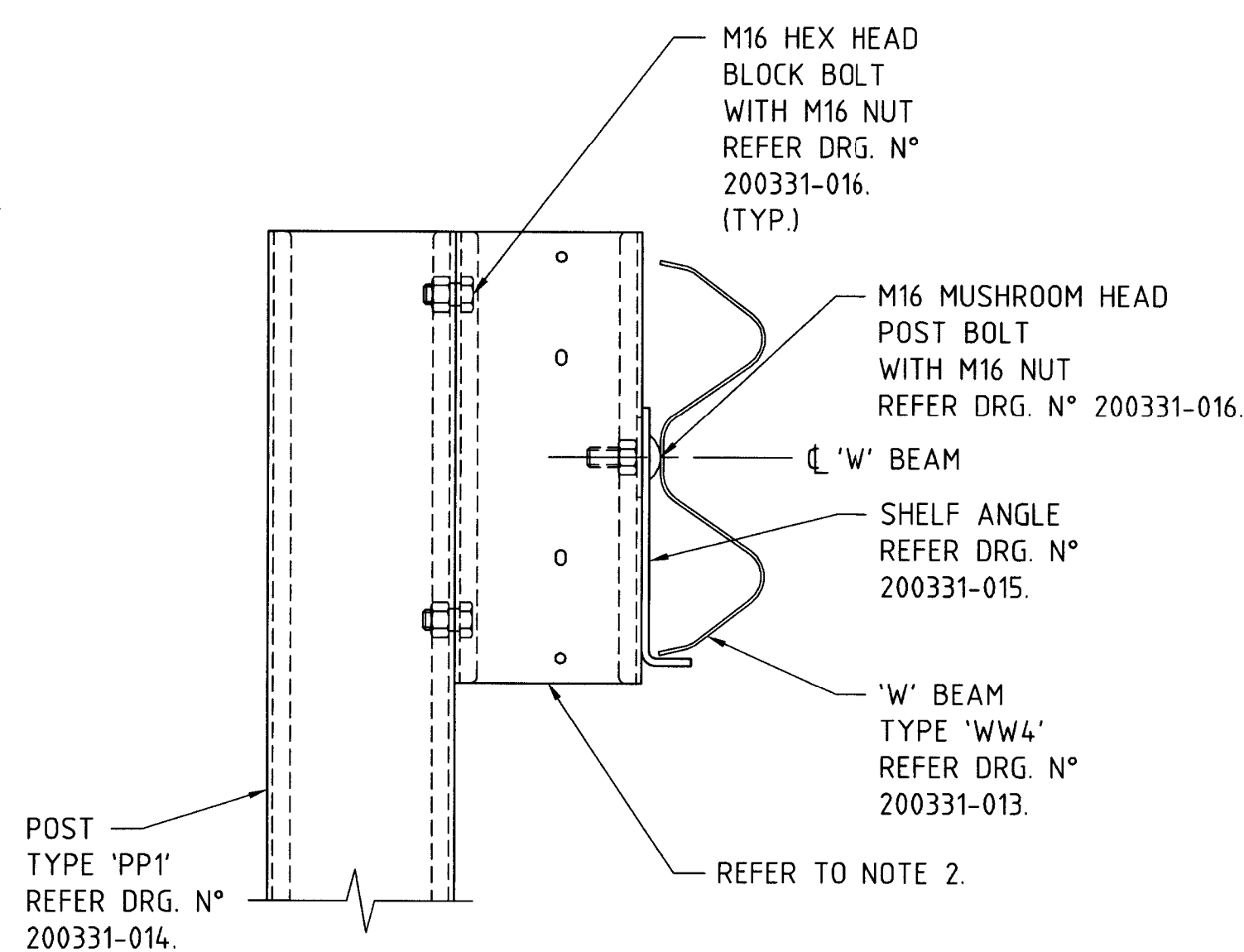
	<u>STANDARD DRAWING</u>
	C.P.S. CULVERT DETAILS
	MAXIMUM PIPE DIAMETER 1500
	GENERAL ARRANGEMENT WITHOUT HEADWALL
LOCAL AUTHORITY	SHEET 3 OF 3
MRWA DRAWING NUMBER	
200131-066-5	



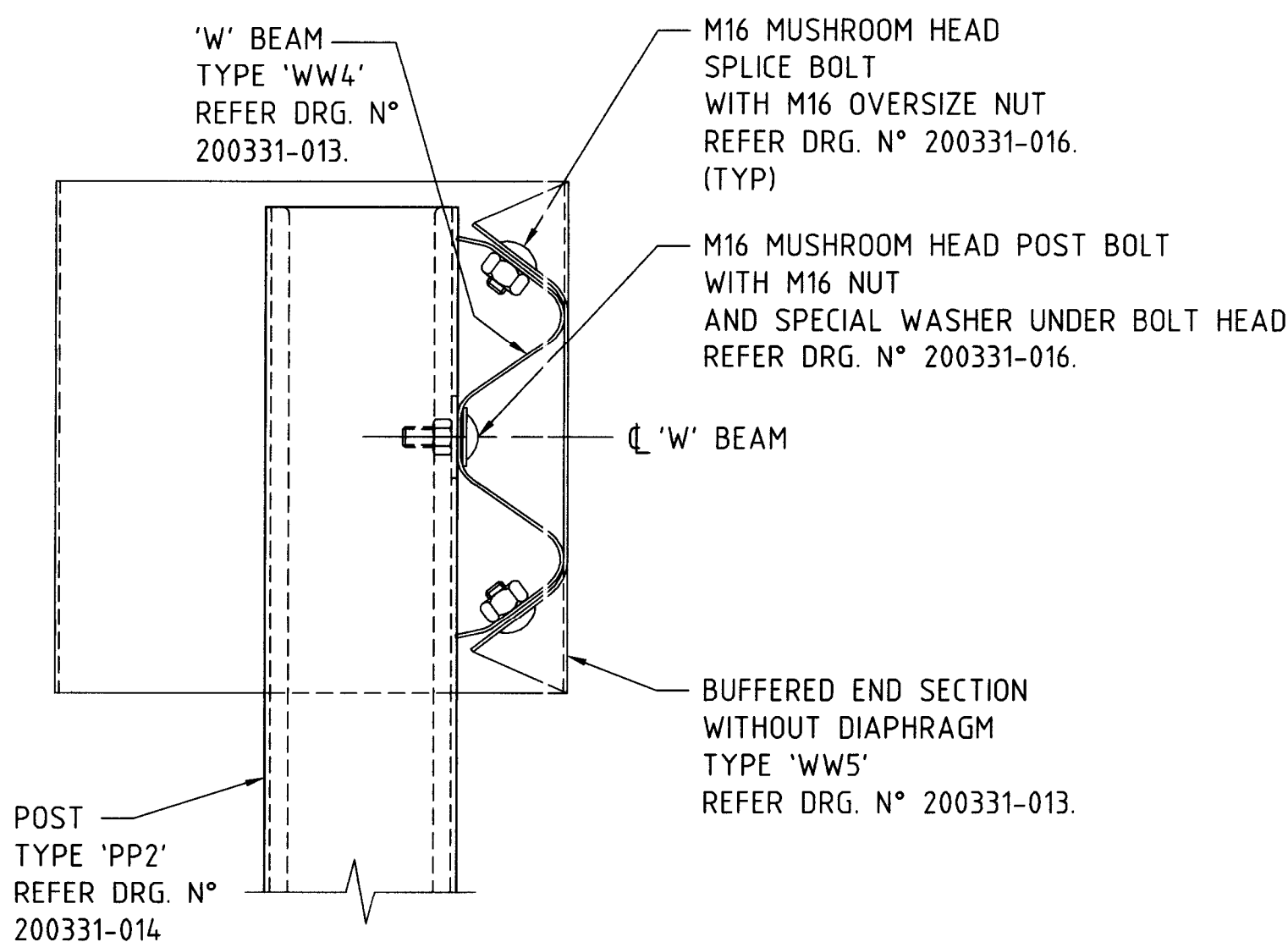
SECTION C 1:5 200331-010, 200331-021, 200931-0002 & 201231-0041



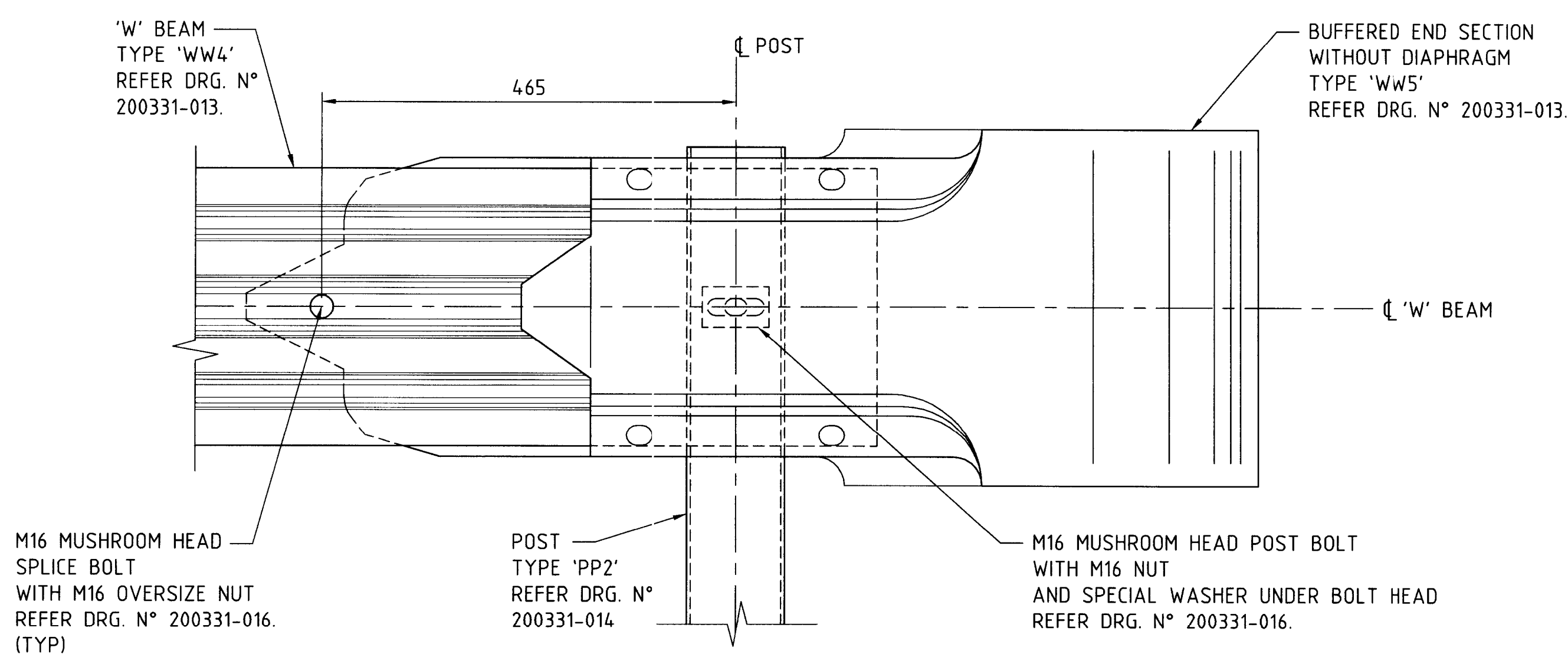
SECTION D 1:5 200331-010, 200331-011, 200331-021 & 200931-0002



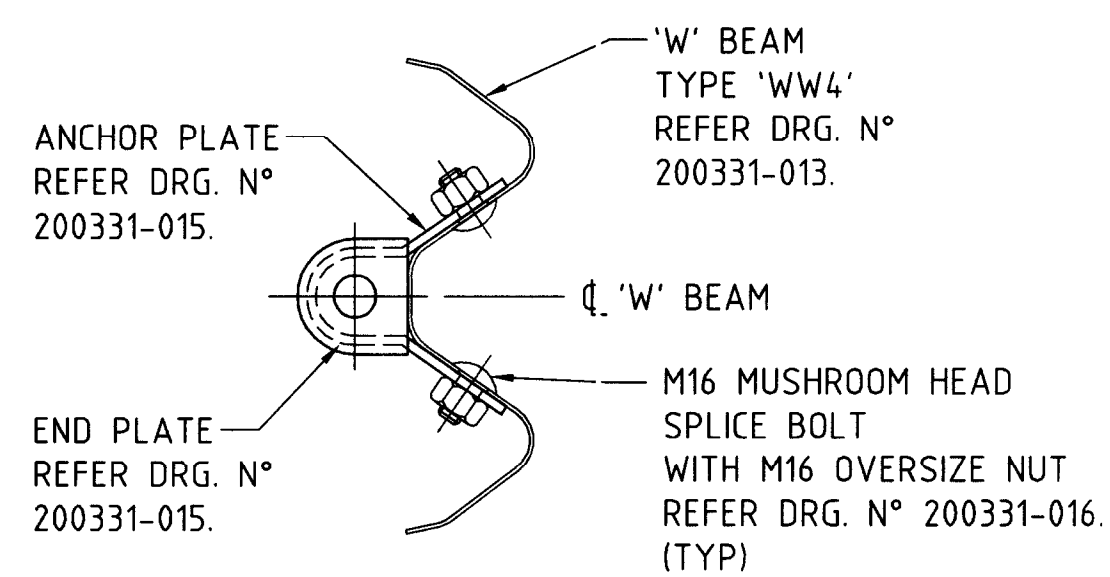
SECTION E 1:5 200331-011



SECTION G 1:5 200331-011



DETAIL 1 1:5 200331-011



SECTION F 1:5 200331-011 (TIE CABLE NOT SHOWN)

AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
1	NOTE 2 ADDED.	R. GROVE 17/08/95
2	NOTE 2 AMENDED.	R. GROVE 14/04/99
3	NOTE 3 ADDED. REFERENCES TO DRAWINGS 200931-0002 AND 201231-0041 ADDED.	<i>R. Grove</i> 13/12/12

NOTES	
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.	
2. FOR NEW INSTALLATIONS BLOCKOUT TO BE APPROVED SOLID BLOCKOUT REFER TO MRWA SPECIFICATION 603 ANNEXURE 633D. FOR MAINTAINING EXISTING SYSTEMS USE BLOCKOUT TYPE BL1 REFER DETAILS DRG No. 200331-014.	
3. STIFFENER PLATE IS NOT REQUIRED WHEN SPLICE IS LOCATED MIDSPAN, AS PER DRG 201231-0041	

NOTE:
DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATION 603 ROAD SAFETY BARRIERS.

METADATA	
GROUND SURVEY STANDARD:	
DATE OF CAPTURE:	
MAPPING SURVEY STANDARD:	
DATE OF CAPTURE:	
MAIN ROADS PROJECT ZONE:	
HEIGHT DATUM:	

Government of Western Australia

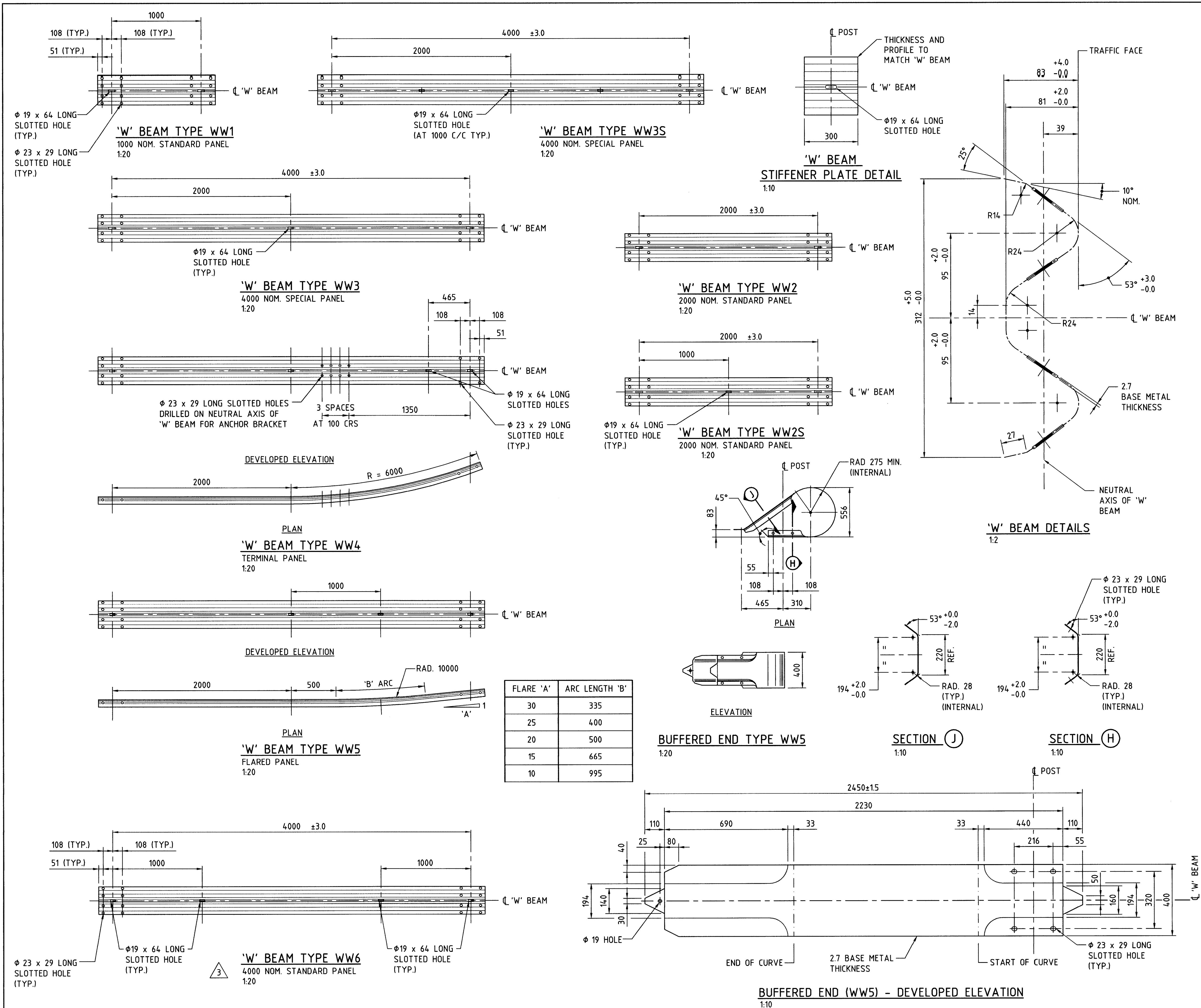
MAIN ROADS Western Australia

TECHNOLOGY & ENVIRONMENTAL DIRECTORATE
ROAD & TRAFFIC ENGINEERING BRANCH

Waterloo Crescent East Perth 6004
Telephone (08) 9323 4111 Fax (08) 9323 4430

FILE NUMBER	67-08-111
DESIGNED / DRAWN	G.W.HUNTER JUNE 2003
VERIFIED	J. KARPINSKI 6.10.03
APPROVED	R. GROVE 7.10.03

SAFETY BARRIER STANDARD DRAWINGS		
'W' BEAM ASSEMBLY DETAILS		
LOCAL AUTHORITY	DRAWING TYPE	DRAWING NUMBER
		AMEND.
	99	200331-012-3



AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
1.	ADDITION OF 'W' BEAM TYPES WW3S AND WW2S.	R. GROVE 14/04/09
2.	ADDITION OF 'W' BEAM TYPE WW6 STANDARD PANEL	B. SNOOK 13/12/12
3.	ADDITIONAL SLOTTED HOLES ADDED TO WW6 STANDARD PANEL.	B. SNOOK 4/6/14

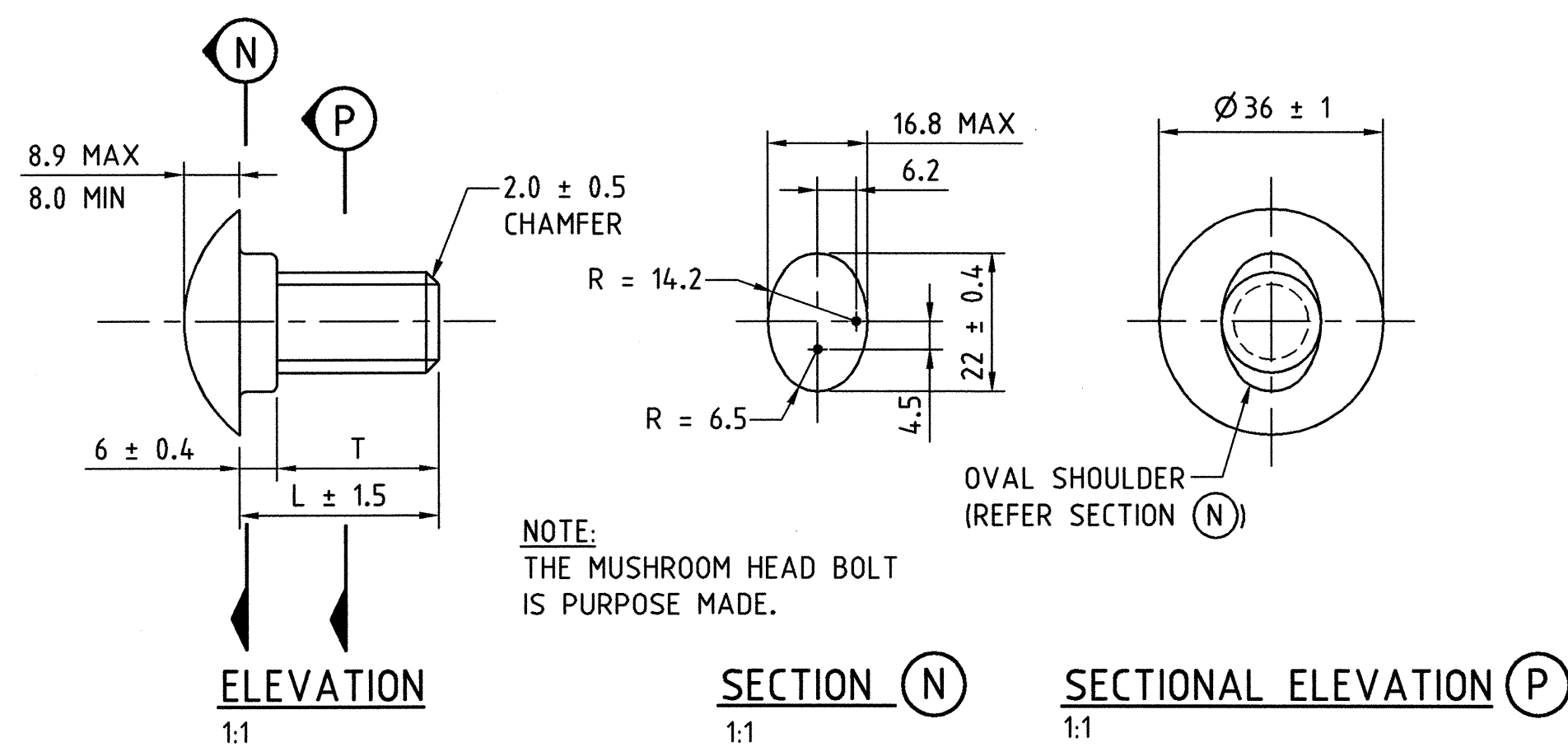
NOTES	
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.	

NOTE: DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATION 603 ROAD SAFETY BARRIERS.	
---	--

METADATA	
GROUND SURVEY STANDARD: DATE OF CAPTURE: MAPPING SURVEY STANDARD: DATE OF CAPTURE: MAIN ROADS PROJECT ZONE: HEIGHT DATUM:	

<div> <div> <div> <div>Government of Western Australia</div> <div> <div>MAIN ROADS</div> <div>Western Australia</div> </div> </div> <div> <div>TECHNOLOGY & ENVIRONMENTAL DIRECTORATE</div> <div>ROAD & TRAFFIC ENGINEERING BRANCH</div> <div> <div>Waterloo Crescent</div> <div>Telephone (08) 9323 4111</div> </div> <div> <div>East Perth 6004</div> <div>Fax (08) 9323 4430</div> </div> </div> </div> </div>	
FILE NUMBER	67-08-111
DESIGNED / DRAWN	G. W. HUNTER JUNE 2003
VERIFIED	J. KARPINSKI 06/10/03
APPROVED	R. GROVE 09/10/03

SAFETY BARRIER STANDARD DRAWINGS	
'W' BEAM FABRICATION DETAILS	
LOCAL AUTHORITY	
DRAWING TYPE	DRAWING NUMBER
99	200331-013-3

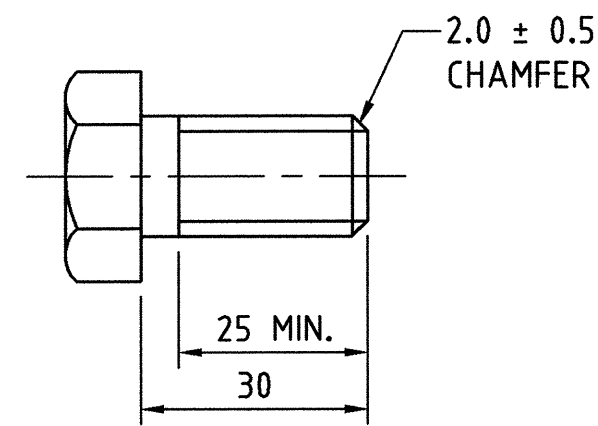


M16 OVERSIZED NUT DETAILS
1:1

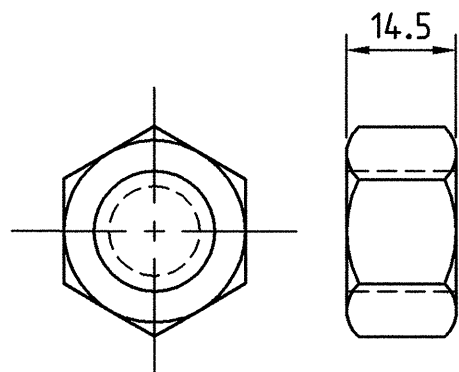
LOCATION	L	T
* SPLICE BOLT	32	26
POST BOLT	50	44

* HIGH STRENGTH

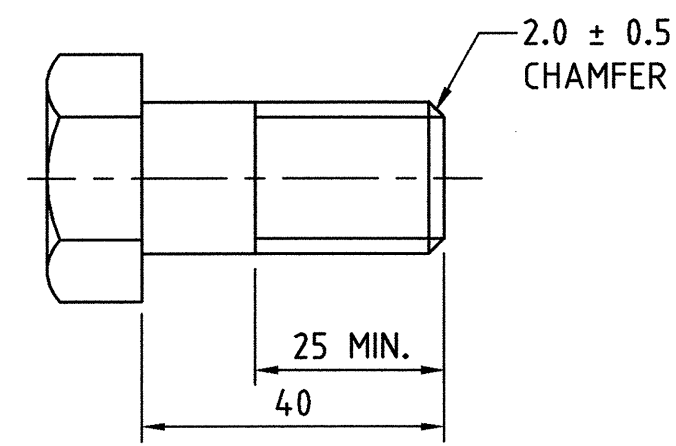
M16 MUSHROOM HEAD BOLT DETAILS



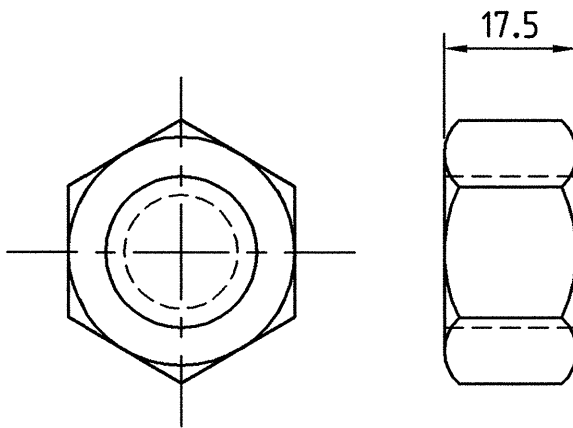
M16 HEX HEAD BLOCK BOLT DETAILS
1:1



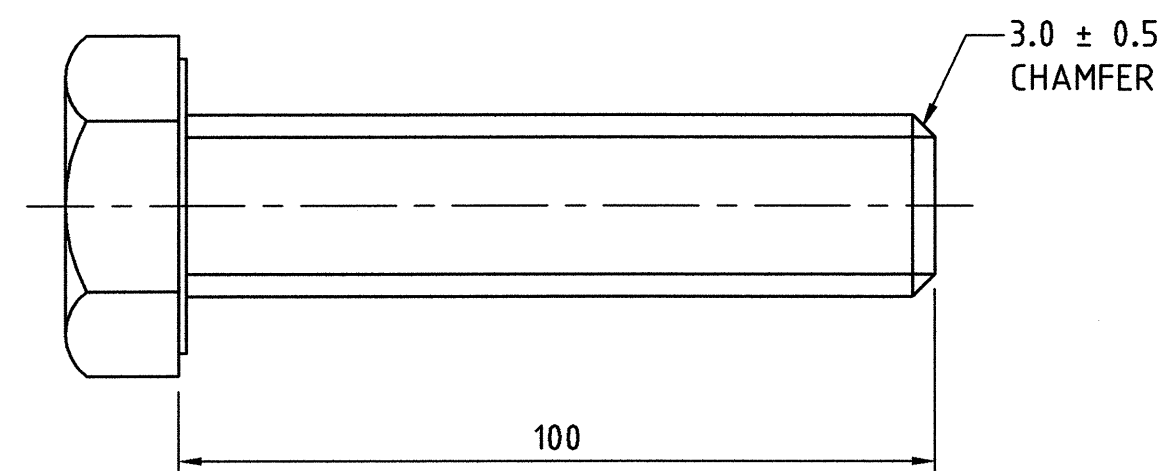
M16 NUT DETAILS
1:1



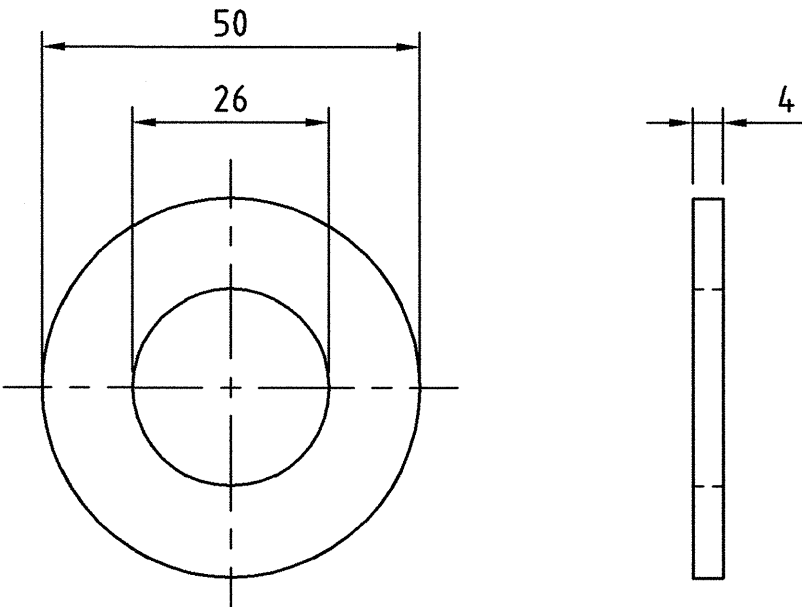
M20 HEX HEAD BOLT DETAILS
FOR SOIL PLATE IN TRAILING TERMINAL.
REFER DETAIL ② DRG. N°. 200331-011.
1:1



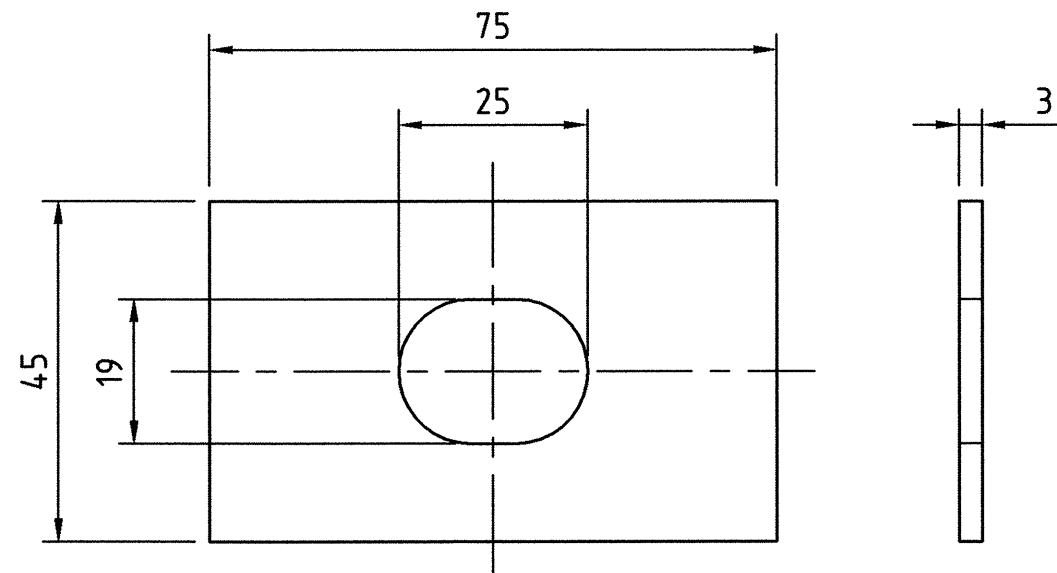
M20 NUT DETAILS
1:1





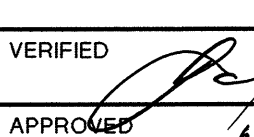

M24 HIGH STRENGTH HEX HEAD BOLT DETAILS
FOR 'THRIEBEAM' STRUCTURE CONNECTOR AT CONCRETE BARRIER.
REFER SECTION (P) DRG. N° 200331-023
1:1



M24 ROUND WASHER DETAILS
1:1



SPECIAL WASHER DETAILS
UNDER HEAD OF POST BOLT FOR
BUFFERED END SECTION
IN TRAILING TERMINAL.
REFER SECTION (G) DRG. N° 200331-012
1:1

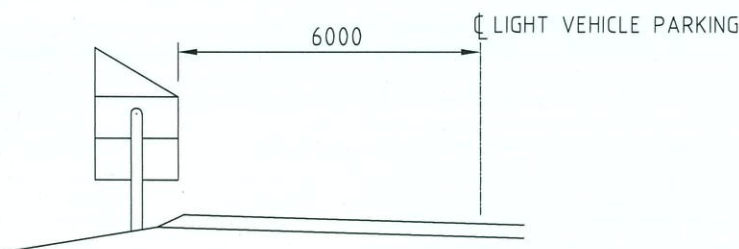
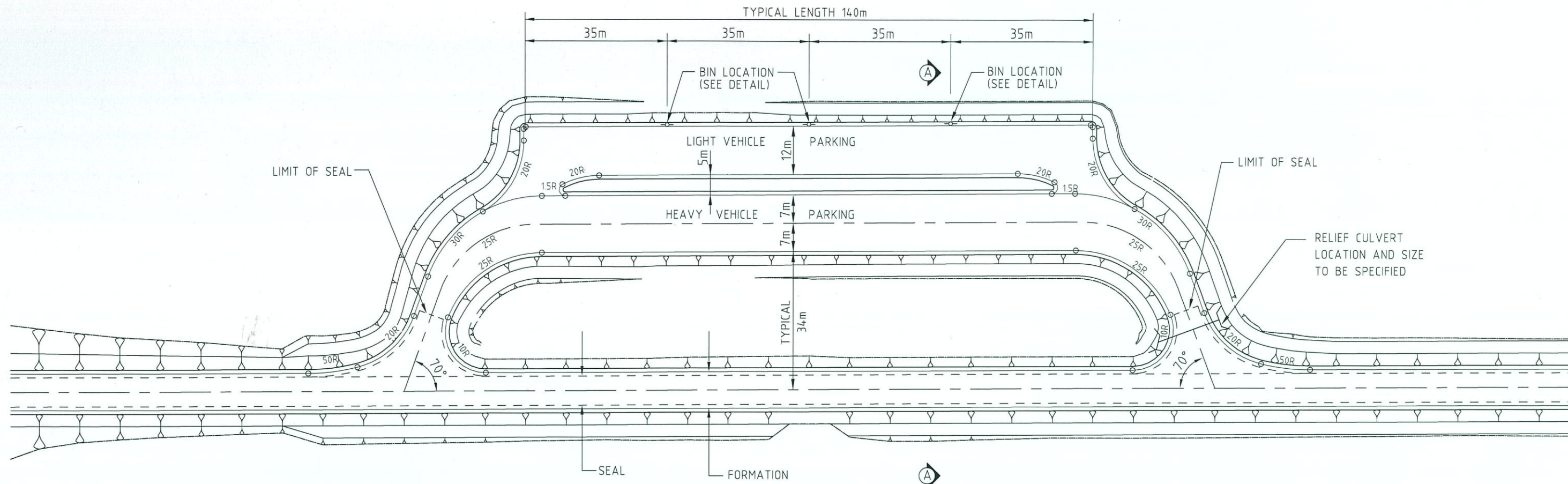
AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
<p>NOTES</p> <p>1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.</p> <p>2. ALL HIGH STRENGTH BOLTS SHALL BE GRADE 8.8 IN ACCORDANCE WITH AS/NZS 1252.</p>		
<p>NOTE: DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATION 603 ROAD SAFETY BARRIERS.</p>		
<p>METADATA</p> <p>GROUND SURVEY STANDARD: DATE OF CAPTURE: MAPPING SURVEY STANDARD: DATE OF CAPTURE: MAIN ROADS PROJECT ZONE: HEIGHT DATUM:</p>		
<p>  Government of Western Australia  MAIN ROADS Western Australia TECHNOLOGY & ENVIRONMENTAL DIRECTORATE ROAD & TRAFFIC ENGINEERING BRANCH Waterloo Crescent East Perth 6004 Telephone (08) 9323 4111 Fax (08) 9323 4430 </p>		
FILE NUMBER	67-08-111	
DESIGNED / DRAWN	G.W.HUNTER JUNE 2003	
VERIFIED	 6/10/03	
APPROVED	 1/10/04	
<p>SAFETY BARRIER STANDARD DRAWINGS</p>		
<p>BOLT, NUT & WASHER FABRICATION DETAILS</p>		
LOCAL AUTHORITY	DRAWING NUMBER	AMEND.
99	200331-016	



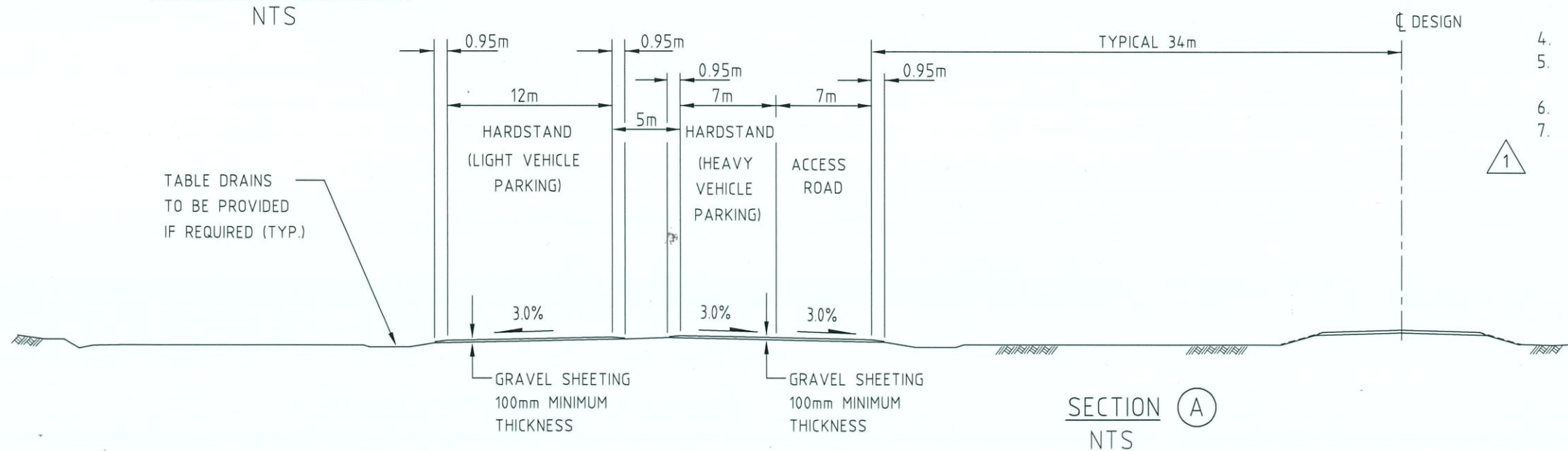
SCALE

MICROFILM DATE

A 1



BIN LOCATION DETAIL
NTS



SECTION A
NTS

NOTES:

1. REST AREA FURNITURE TO BE PROVIDED IN ACCORDANCE WITH THE ROADSIDE STOPPING PLACES DESIGN GUIDELINE. FURNITURE TO BE POSITIONED ON-SITE TO SUIT.
2. SEAL APPLIED TO REST AREA ENTRANCES.
3. DESIGN VEHICLE FOR THE ENTRANCE/EXIT IS A SINGLE UNIT (SU) VEHICLE. INTERSECTIONS TO BE MODIFIED FOR LARGER DESIGN VEHICLES.
4. A HARDSTAND OF MINIMUM AREA 3000m² SHOULD BE PROVIDED.
5. EXISTING SITE VEGETATION SHALL BE RETAINED WHERE PRACTICAL.
6. LANDSCAPING SHOULD BE PROVIDED WHERE PRACTICAL.
7. TURN AROUND FACILITY FOR HEAVY VEHICLE REST AREA TO AVOID FIRE, FLOODING AND SIMILAR HAZARDS AHEAD COULD BE CONSIDERED BASED ON REGIONAL EXPERIENCE. WHERE TURN AROUND FACILITY IS REQUIRED, DESIGN VEHICLE TURNING TEMPLATE FOR RIGHT TURN OUT AT REST AREA EXIT NEEDS TO BE CHECKED.

1.	NOTE 7 ADDED.				
No.	DESCRIPTION	APPROVED & DATE	No.	DESCRIPTION	APPROVED & DATE
	AMENDMENTS			AMENDMENTS	

Government of Western Australia
MAIN ROADS
Western Australia
TECHNOLOGY AND ENVIRONMENT DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
Waterloo Crescent East Perth 6004
Telephone (08) 9323 4111 Fax (08) 9323 4449

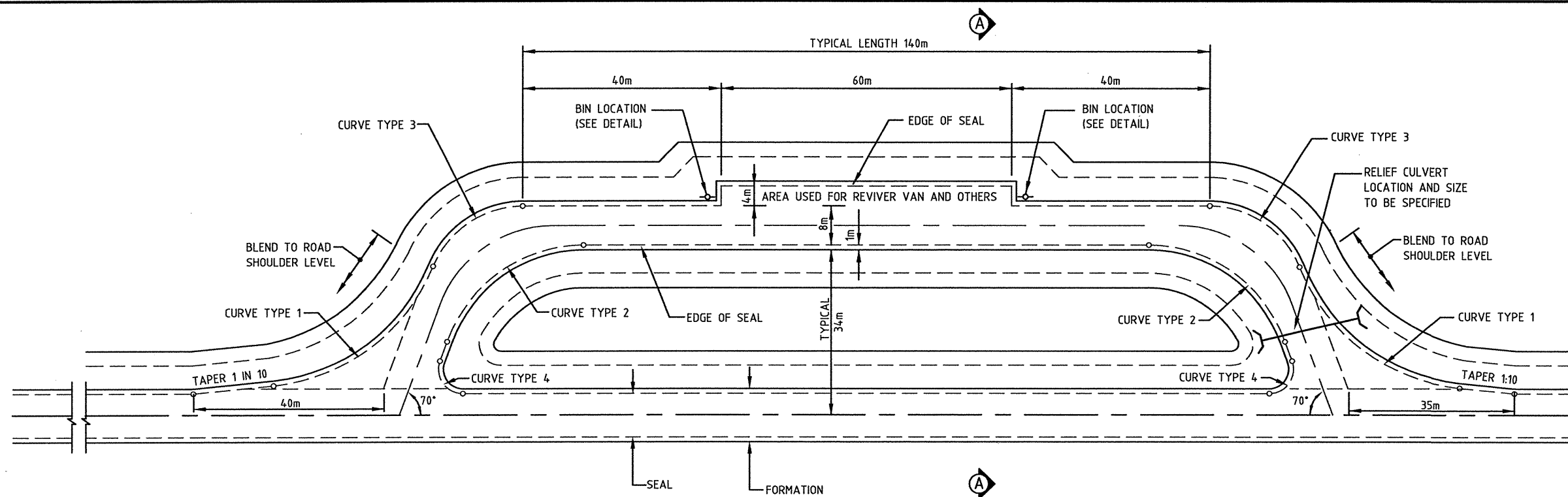
GUIDELINE DRAWINGS
TYPICAL REST AREA DETAILS

DESIGNED ROAD AND TRAFFIC ENGINEERING	VERIFIED J. KARPINSKI
DRAWN ROAD AND TRAFFIC ENGINEERING	APPROVED W. CANNELL
DRAWING TYPE	FILE NUMBER 67-08-66
1604 1606	DRAWING NUMBER 200431-0005-1

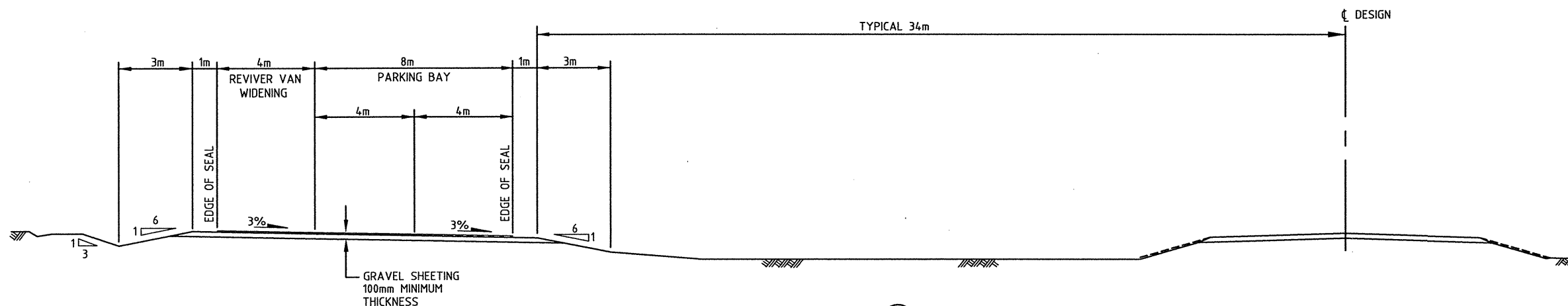
ALL UNITS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

SCALE NOT TO SCALE

3



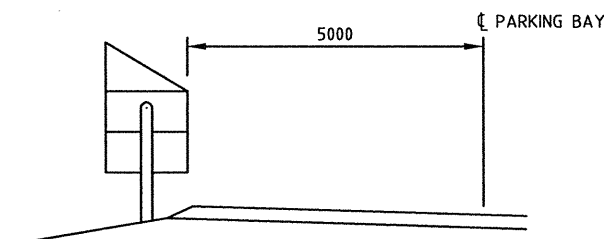
PLAN
NTS



SECTION **A**
NTS

CURVE TYPE	RADIUS (m)	DEFLECTION ANGLE	TANGENT (m)	SECANT (m)
1	40	64°28'06"	25.13	7.24
2	30	70°00'00"	21.01	6.62
3	20	70°00'00"	14.00	4.42
4	5	110°00'00"	7.14	3.72

CURVE TYPES



BIN LOCATION DETAIL
NTS

NOTE

1. THE 8.0m SEAL WIDTH IS REQUIRED TO ACCOMMODATE THE LARGER VOLUME OF TRAFFIC USING THE FACILITY AND TO PROVIDE A WORKABLE SPACE FOR THE REVIVER VAN.
2. DESIGN VEHICLE FOR THE ENTRANCE/EXIT IS AN AUSTROADS DOUBLE ROADTRAIN.
3. EXISTING SITE VEGETATION SHALL BE RETAINED WHERE PRACTICAL.
4. LANDSCAPING SHOULD BE PROVIDED WHERE PRACTICAL.
5. PARKING BAY FURNITURE TO BE PROVIDED IN ACCORDANCE WITH THE ROADSIDE STOPPING PLACES DESIGN GUIDELINE. FURNITURE TO BE POSITIONED ON-SITE TO SUIT.

AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE

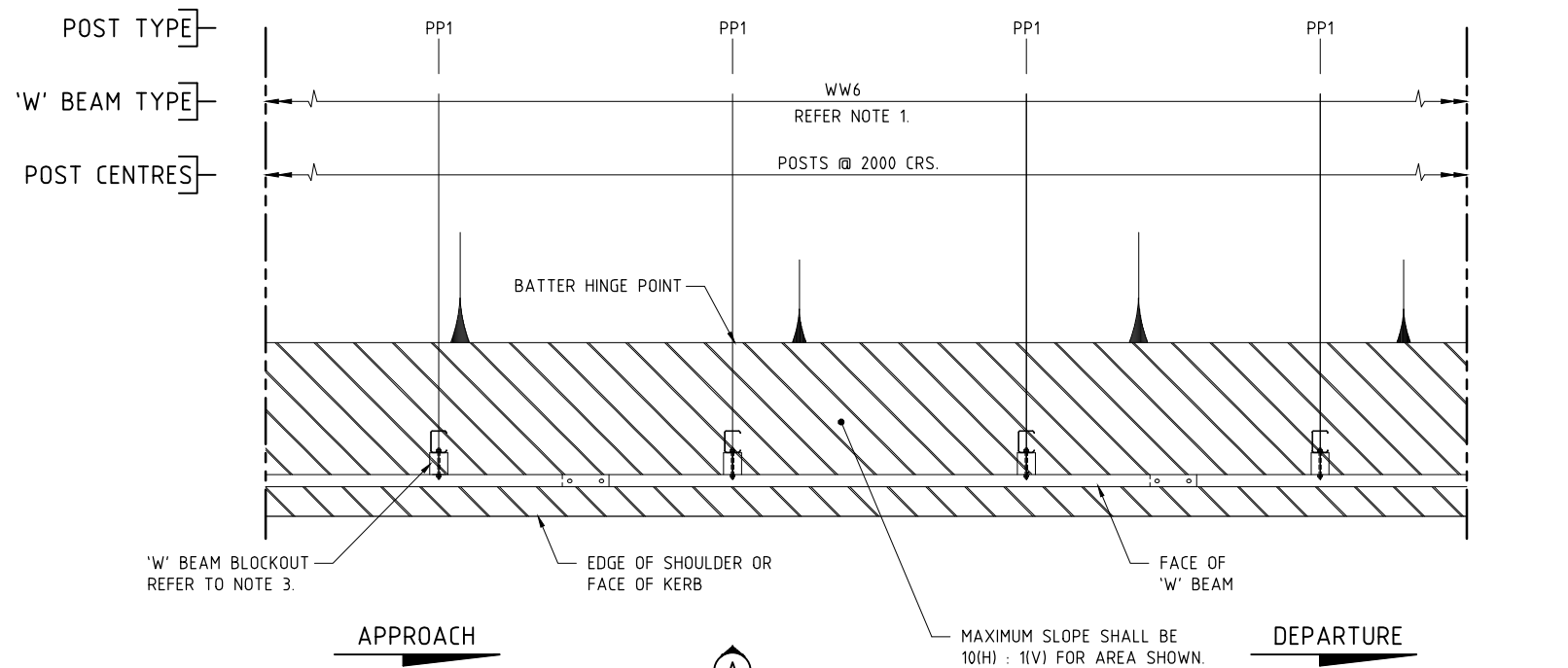
<p>Government of Western Australia</p> <p>MAIN ROADS Western Australia</p> <p>TECHNOLOGY AND ENVIRONMENT DIRECTORATE</p> <p>ROAD AND TRAFFIC ENGINEERING</p> <p>WATERLOO CRESCENT EAST PERTH 6004</p> <p>Telephone (08) 9323 4111 Fax (08) 9323 4449</p>	
FILE NUMBER	67-08-66
DESIGNED / DRAWN	ROAD AND TRAFFIC ENGINEERING
VERIFIED	<i>[Signature]</i> 19/8/2004
APPROVED	<i>[Signature]</i> 19.8.04
GUIDELINE DRAWING	
TYPICAL OFF-ROAD PARKING BAY FOR DRIVER REVIVER STOPS	
LOCAL AUTHORITY	
DRAWING TYPE	1605
	1604
	1600
DRAWING NUMBER	200431-0006
AMEND.	

ALL UNITS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

SCALE NOT TO SCALE

MODEL DATE

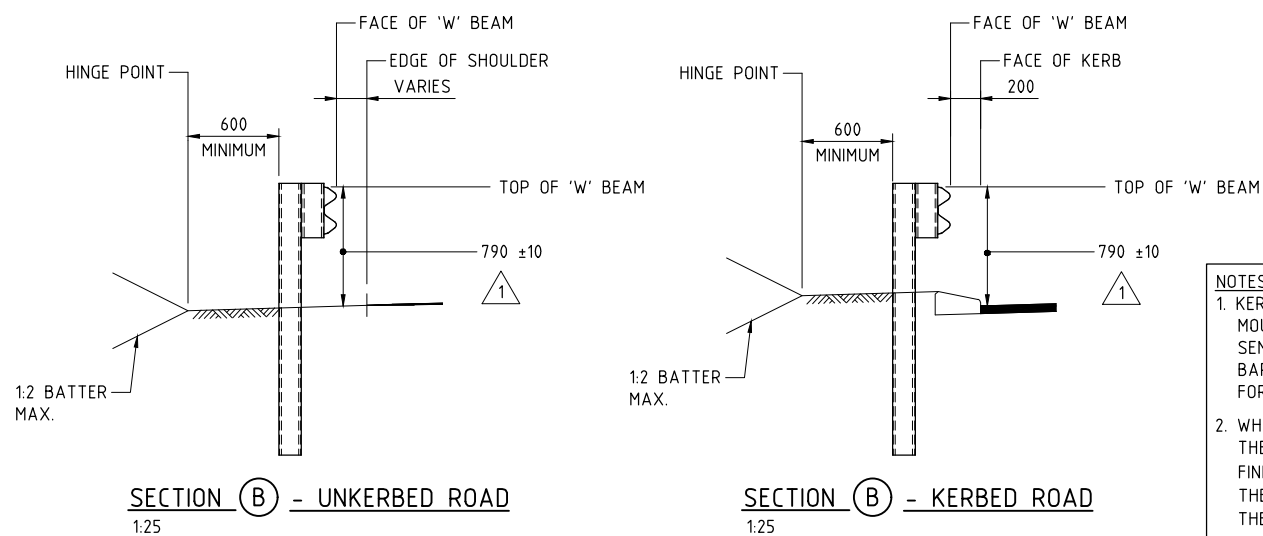
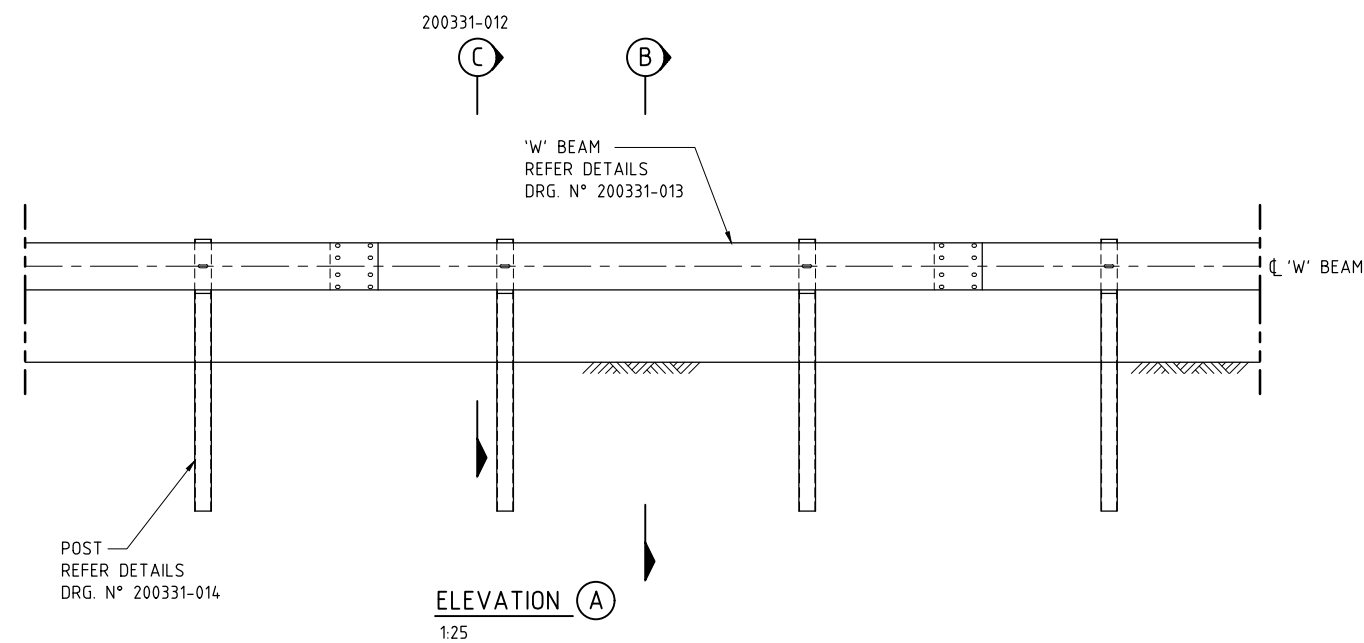
A 3



NOTE:
FOR DETAILS OF APPROACH AND DEPARTURE END TREATMENTS
REFER TO ANNEXURE 603B TO SPEC. 603.

LAP 'W' BEAM PANELS IN DIRECTION OF
TRAFFIC Eg.

PLAN
1:25



NOTES:
1. KERBING:
MOUNTABLE KERB, TYPE A 100mm, PREFERRED TYPE.
SEMI MOUNTABLE KERB PERMITTED WHERE TYPICAL SPEEDS < 70 km/h
BARRIER KERB SHALL NOT BE USED ADJACENT TO BARRIER.
FOR KERB DETAILS REFER MRWA STANDARD DRG. N° 9331-0376.
2. WHERE A BARRIER IS INSTALLED WITHIN 3m FROM A KERB
THE HEIGHT OF THE BARRIER SHALL BE MEASURED FROM THE
FINISHED PAVEMENT LEVEL. AT AN OFFSET GREATER THAN 3m
THE LEVEL SHALL BE TAKEN ADJACENT TO THE BARRIER FROM
THE FINISHED SURFACE LEVEL.

AMENDMENTS

No.	DESCRIPTION	APPROVED & DATE
1.	TOP OF 'W' BEAM RAIL HEIGHT INCREASED. FILE NUMBER UPDATED.	B. SNOOK 08/07/22

NOTES

- 'W' BEAM TYPE 'WW6' MAY BE SUBSTITUTED BY
EITHER TYPES 'WW1' OR 'WW2'.
POST CENTRES FOR TYPE 'WW1' NEED TO
BE ADJUSTED TO 1000.
FOR BEAM DETAILS REFER DRG. N° 200331-013.
- ALL DIMENSIONS IN MILLIMETERS UNLESS
OTHERWISE SHOWN.
- FOR NEW INSTALLATIONS BLOCKOUT TO BE
APPROVED SOLID BLOCKOUT REFER TO MRWA
SPECIFICATION 603 ANNEXURE 603D.

THIS DRAWING SHALL BE READ IN CONJUNCTION
WITH;

DRG. N°	TITLE
200331-012	'W' BEAM - ASSEMBLY DETAILS
200331-013	'W' BEAM - FABRICATION DETAILS
200331-014	'W' BEAM - STEEL POST & BLOCKOUT FABRICATION DETAILS
200331-016	BOLT, NUT & WASHER FABRICATION DETAILS

NOTE:
DRAWING SHALL BE READ IN CONJUNCTION WITH
TECHNICAL SPECIFICATION
603 ROAD SAFETY BARRIERS.



PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
WATERLOO CRESCENT
Telephone (08) 9323 4111
EAST PERTH 6004

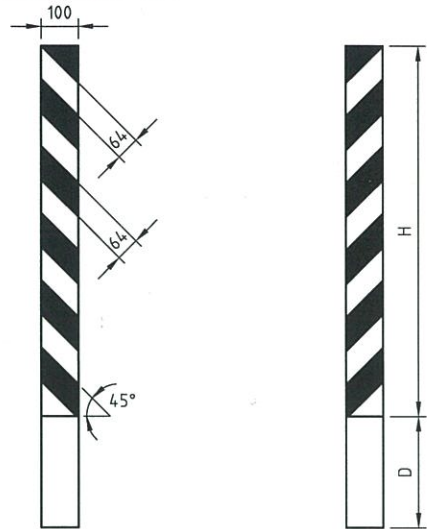
DRAWN	S. ROBINSON	DECEMBER 2012
DESIGNED	S. ROBINSON	DECEMBER 2012
VERIFIED	B. SNOOK	13/12/2012
APPROVED	R. GROVE	14/12/2012
FILE NO.	08/3206	

SAFETY BARRIER STANDARD DRAWINGS

GENERAL ARRANGEMENT 'W' BEAM
SPlice LOCATION AT MIDSPAN

MRWA DRAWING NUMBER
201231-0041-1

A CULVERT POST IS TO BE THE SAME LENGTH AND WIDTH AS A STANDARD GUIDE POST, HAVE NO DELINEATORS AND CONSIST OF BLACK AND WHITE STRIPES PLACED ON BOTH SIDES OF THE POST DIAGONALLY AT AN ANGLE OF 45°.

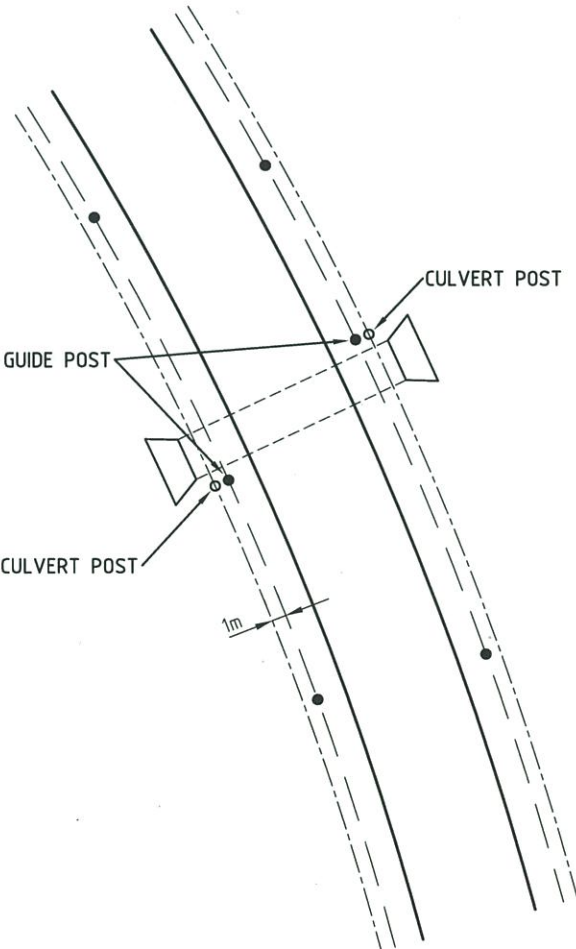


NB: POST TO BE SELECTED FROM MRWA APPROVED GUIDE POST LIST IN SPECIFICATION 602.

SHAPE OF BOTTOM FACE MAY BE FLAT ANGLED OR MADE TO SUIT THE METHOD OF INSTALLATION.

CULVERT POST DETAIL ON LHS (FRONT FACE) CULVERT POST DETAIL ON RHS (REAR FACE)

	DEPTH (D) mm		HEIGHT (H) mm
	BURIED	DRIVEN	
RIGID POST	300 (±20)	300 (±20)	1000 (+30, -0)
FLEXIBLE POST	450 (±20)	350 (±20)	1000 (+30, -0)



POSITIONING OF CULVERT POSTS

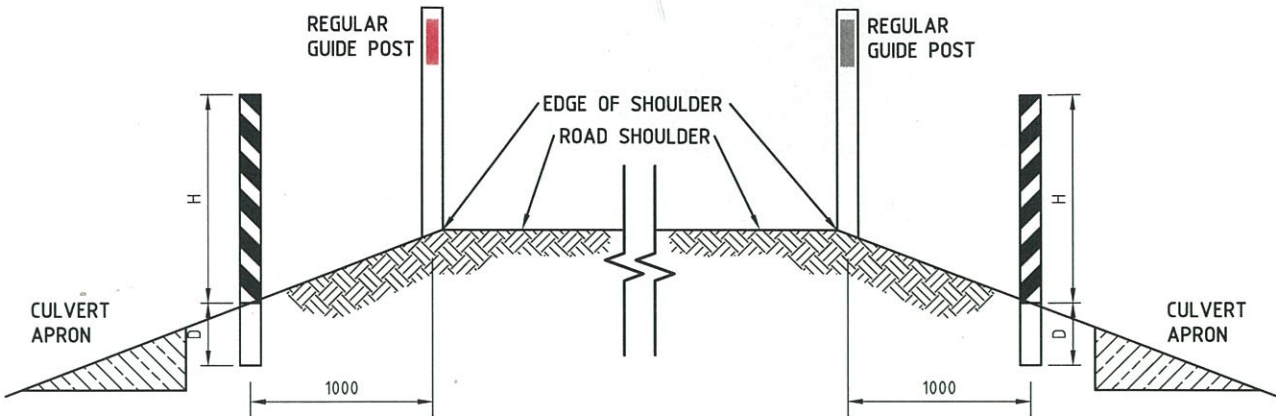
- GUIDE POST
- CULVERT POST
- ▭ CULVERT HEADWALL
- LINE OF GUIDE POST
- 1m OFF-SET LINE FOR CULVERT POST
- EDGE OF LANE

BELOW IS AN OUTLINE OF DETERMINING THE LOCATION OF CULVERT POSTS ALONGSIDE GUIDE POSTS.

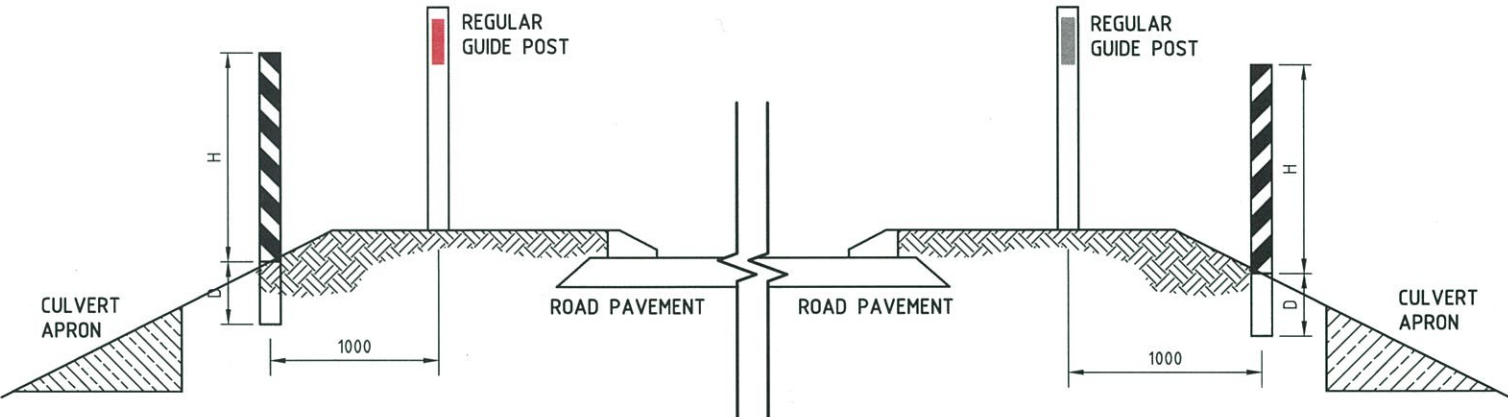
STEP 1 - REGULAR GUIDE POSTS ARE POSITIONED AT KEY POINTS ie: END OF CURVES REGARDLESS OF CULVERT LOCATIONS. SPACING BETWEEN THESE POINTS IS DIVIDED TO PROVIDE A UNIFORM SPACING OF GUIDE POSTS AS SPECIFIED IN AS 1742.2-2009.

STEP 2 - ADDITIONAL REGULAR GUIDE POSTS ARE ADDED AT CULVERT SITES AS PER CURRENT MRWA DESIGN OF GUIDE POSTS GUIDELINE.

STEP 3 - CULVERT POSTS SHALL THEN BE PLACED 1.0m OUTSIDE OF THE GUIDE POSTS AT THE CULVERT SITES.



INSTALLATION UNKERBED ROAD LAYOUT



INSTALLATION KERBED ROAD LAYOUT

NOTES:

- DIMENSIONS: MEASUREMENTS IN mm.
MAIN SIGN PANEL AREA: MR-HM-18 = 0.20 SQM.
- COLOURS: BLACK ON WHITE RETROREFLECTIVE BACKGROUND.
- RETROREFLECTIVE CLASS OF MATERIAL: CLASS 1A.
- MATERIALS: MANUFACTURE TO BE IN ACCORDANCE WITH MAIN ROADS DESIGN OF GUIDE POSTS AND MAIN ROADS SPECIFICATION 602 GUIDE POSTS.
- FRONT FACE TO ALWAYS BE ON LEFT HAND SIDE.

AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
1	NOTE 3 AND NOTE ON POST SELECTION AMENDED.	R.KOORENGEVEL 18.2.15
2	NOTE 1 IN TITLE BLOCK AMENDED. NOTE 5 IN DRAWING ADDED.	R.KOORENGEVEL 16.6.17
3	COLOUR ADDED TO GUIDE POSTS.	<i>[Signature]</i> 8/4/18

- NOTES
- CULVERT POSTS SHALL BE USED TO HIGHLIGHT THE LOCATION OF CULVERT HEADWALLS UNLESS SPECIFIED OTHERWISE.
 - FOR TECHNICAL SPECIFICATIONS ON TYPES AND INSTALLATION REQUIREMENTS OF GUIDE POSTS AND DELINEATORS REFER TO MAIN ROADS TECHNICAL SPECIFICATION 602 - GUIDE POSTS.
 - THE CULVERT POST IS TO BE PLACED 1.0m OUTSIDE THE LINE OF THE GUIDE POSTS. PLEASE NOTE AS PER AS 1742.2, GUIDE POSTS ARE STILL REQUIRED TO BE PLACED AT CULVERT SITES WHICH WARRANT THEM.
 - FOR THE EASE OF LOCATING CULVERTS, CULVERT NUMBERS MAY BE INCORPORATED ONTO THE BACK OF THE CULVERT POSTS.
 - AS PER CURRENT MAIN ROADS PRACTICE A BRIDGE WIDTH MARKER SHALL BE INSTALLED IF A CULVERT HEADWALL IS WITHIN THE SHOULDER.

METADATA	
GROUND SURVEY STANDARD:	
DATE OF CAPTURE:	
MAPPING SURVEY STANDARD:	
DATE OF CAPTURE:	
MAIN ROADS PROJECT ZONE:	
HEIGHT DATUM:	

 **mainroads**
WESTERN AUSTRALIA
PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
Waterloo Crescent East Perth 6004
Telephone (08) 9323 4111 Fax (08) 9323 4430

 **mainroads**
WESTERN AUSTRALIA
PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
Waterloo Crescent East Perth 6004
Telephone (08) 9323 4111 Fax (08) 9323 4430

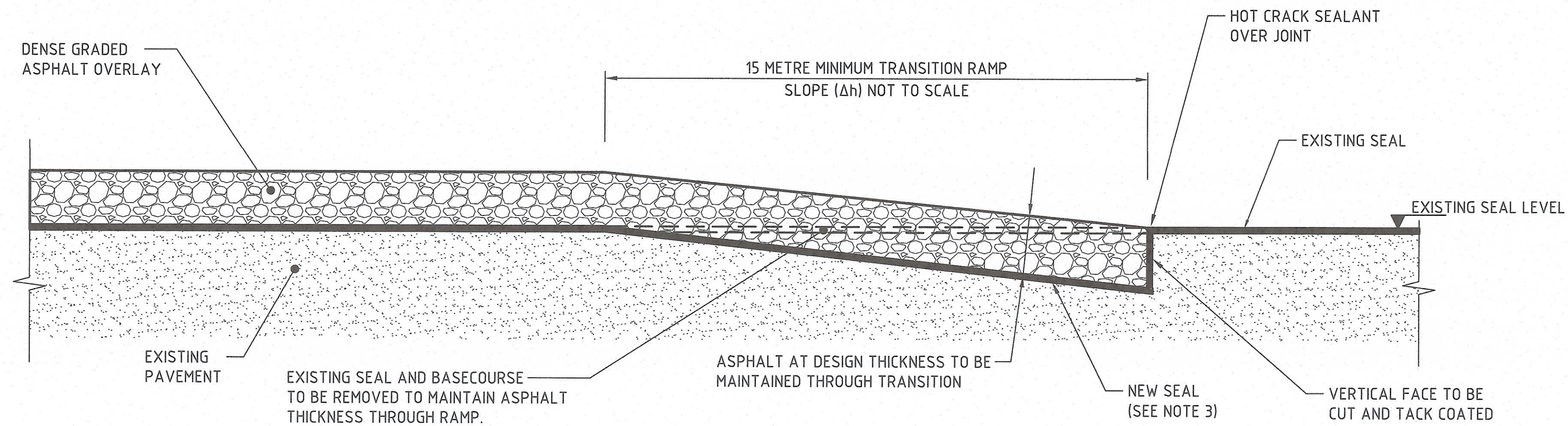
FILE NUMBER	67-08-4F
DESIGNED / DRAWN	R.KOORENGEVEL / J.VOKE 18.7.13
VERIFIED	D.LANDMARK 30.7.13
APPROVED	R.GROVE 29.7.13

HAZARD MARKERS
CULVERT WIDTH MARKERS/CULVERT POSTS
MR-HM-18

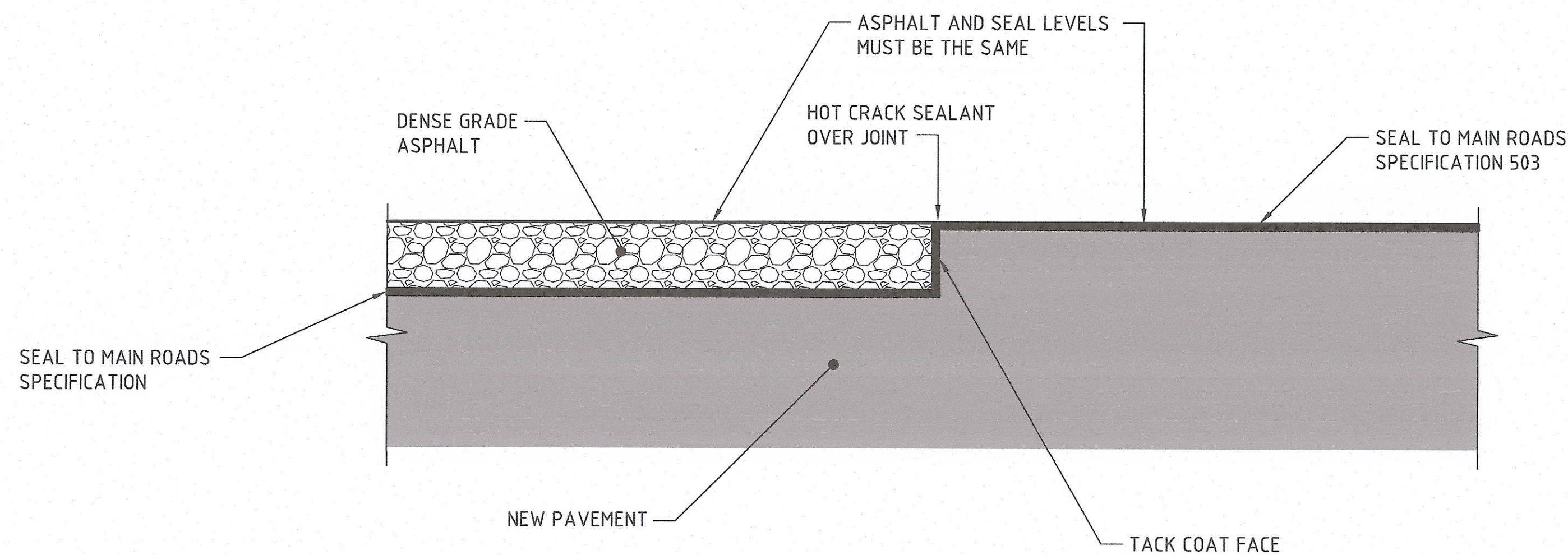
LOCAL AUTHORITY
MRWA DRAWING NUMBER
201331-0007-3

AMENDMENT


NOT TO SCALE
A3



WEARING COURSE - TRANSVERSE JOINT
DENSE GRADE ASPHALT TO SEAL (ASPHALT OVERLAY)
N.T.S.







WEARING COURSE - TRANSVERSE JOINT
DENSE GRADE ASPHALT TO SEAL (NEW PAVEMENT)
N.T.S.



AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
1.	DRAWING TITLE DESCRIPTION CHANGED AS SHOWN.	 S. Halligan 26/11/15

NOTES

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- COMMON ABBREVIATIONS:-
D.G.A - DENSE GRADED ASPHALT
- WHERE EXISTING PAVEMENT IS EXPOSED, A 2 COAT 10/5mm EMULSION SEAL OR 14/7mm HOT BITUMEN SEAL MUST BE APPLIED.

LEGEND

-  NEW PAVEMENT
-  EXISTING PAVEMENT
-  SEAL OR TACK COAT
-  DENSE GRADE ASPHALT

 	
PLANNING AND TECHNICAL SERVICES DIRECTORATE ROAD AND TRAFFIC ENGINEERING BRANCH	
WATERLOO CRESCENT Telephone (08) 9323 4111	EAST PERTH 6004 Fax (08) 9323 4430
FILE NUMBER	
DESIGNED / DRAWN	C. SKANTZOS / A. BERRY
VERIFIED	S. HALLIGAN
APPROVED	B. SNOOK 15/12/2014

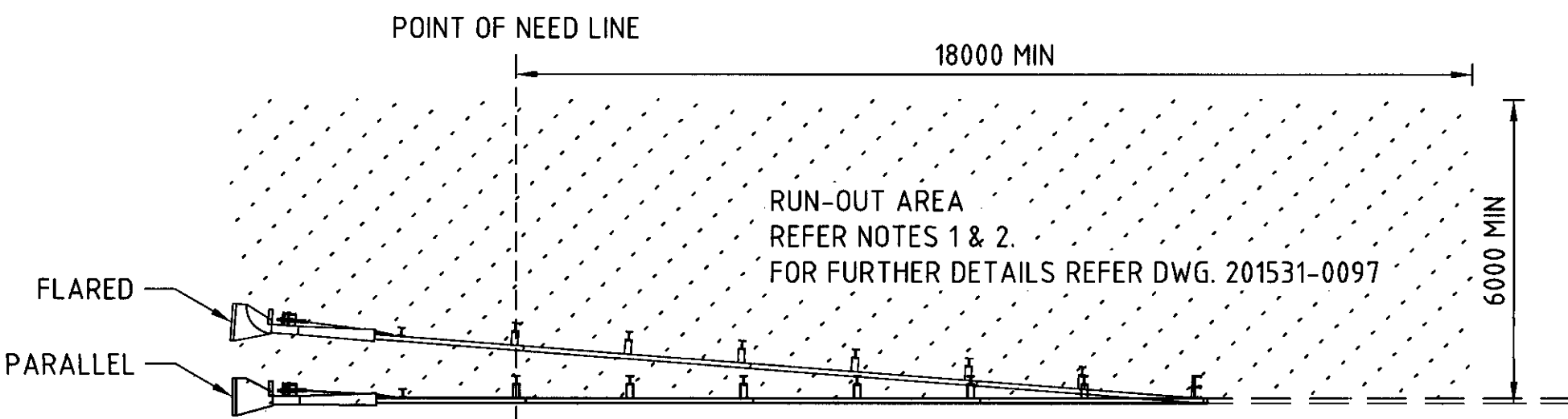
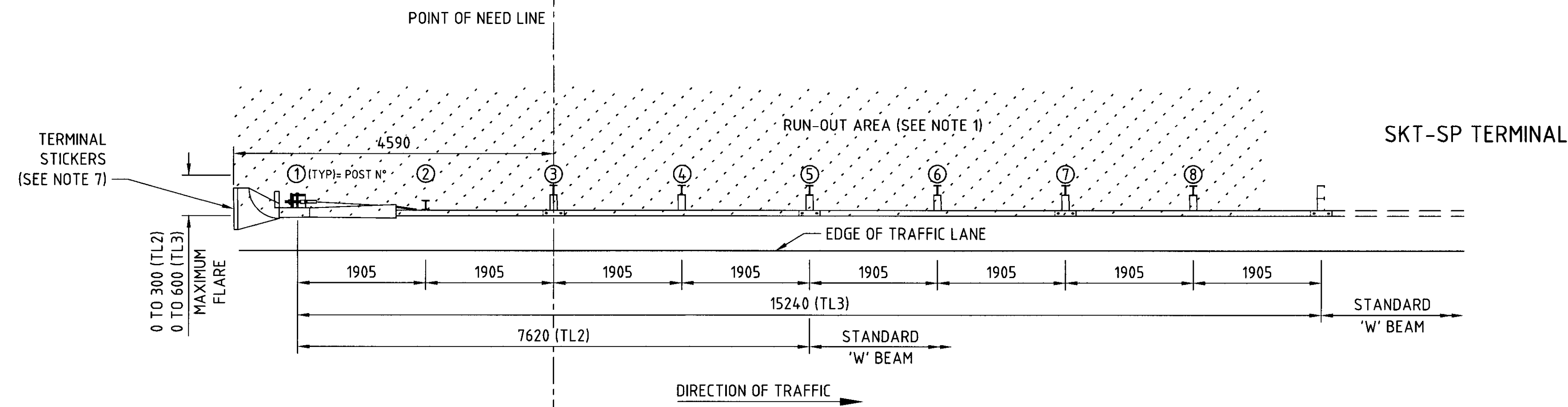
STANDARD DRAWING

WEARING COURSE SERIES
TYPICAL DETAILS DGA TRANSVERSE JOINTS

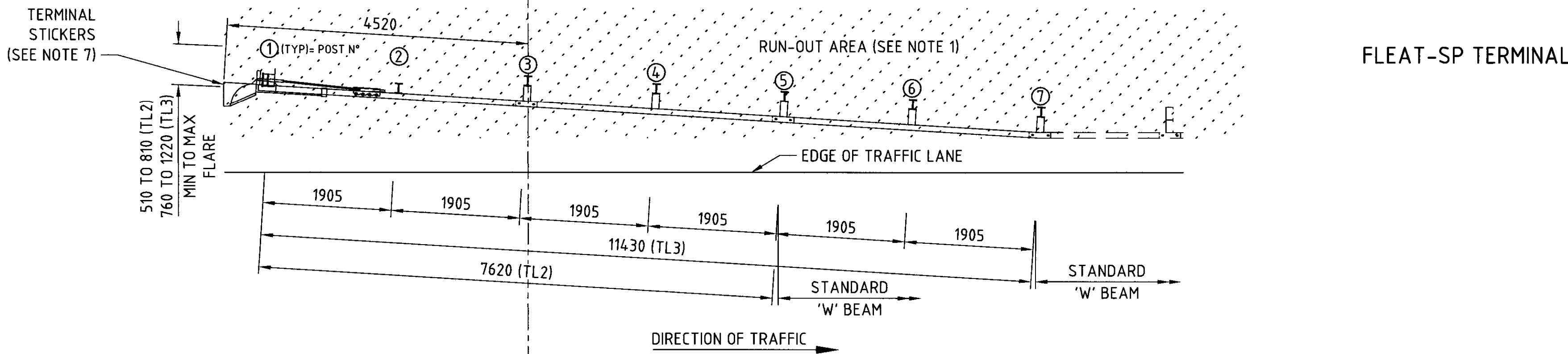
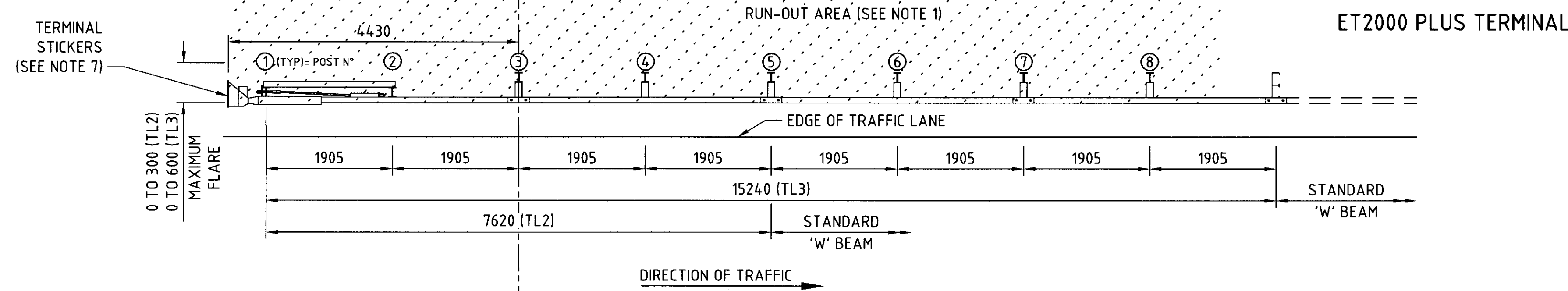
LOCAL AUTHORITY
MRWA DRAWING NUMBER
201331-0036 - 1



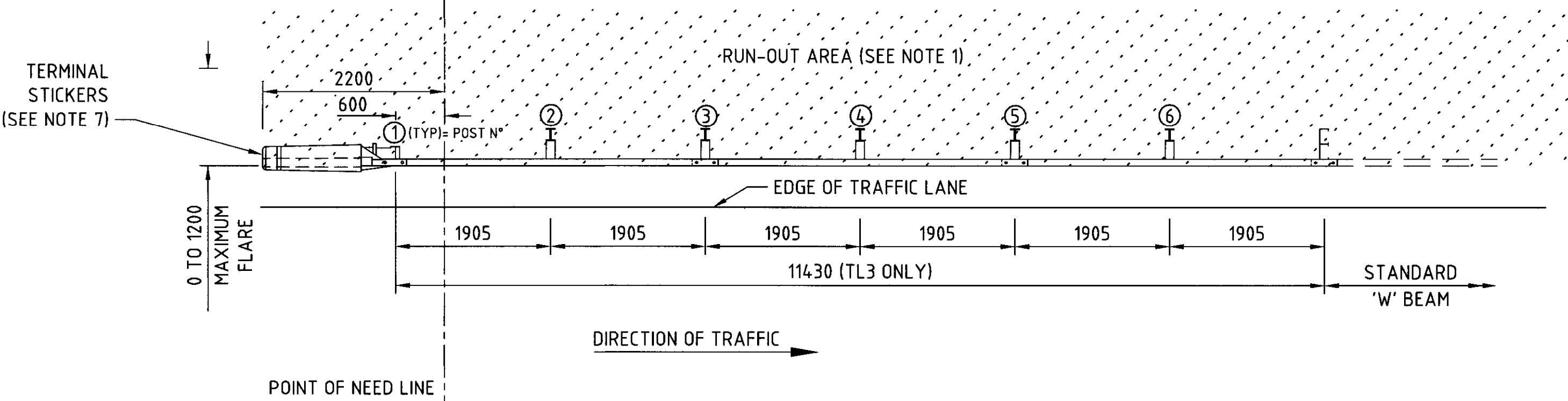
NOT TO SCALE
A 1



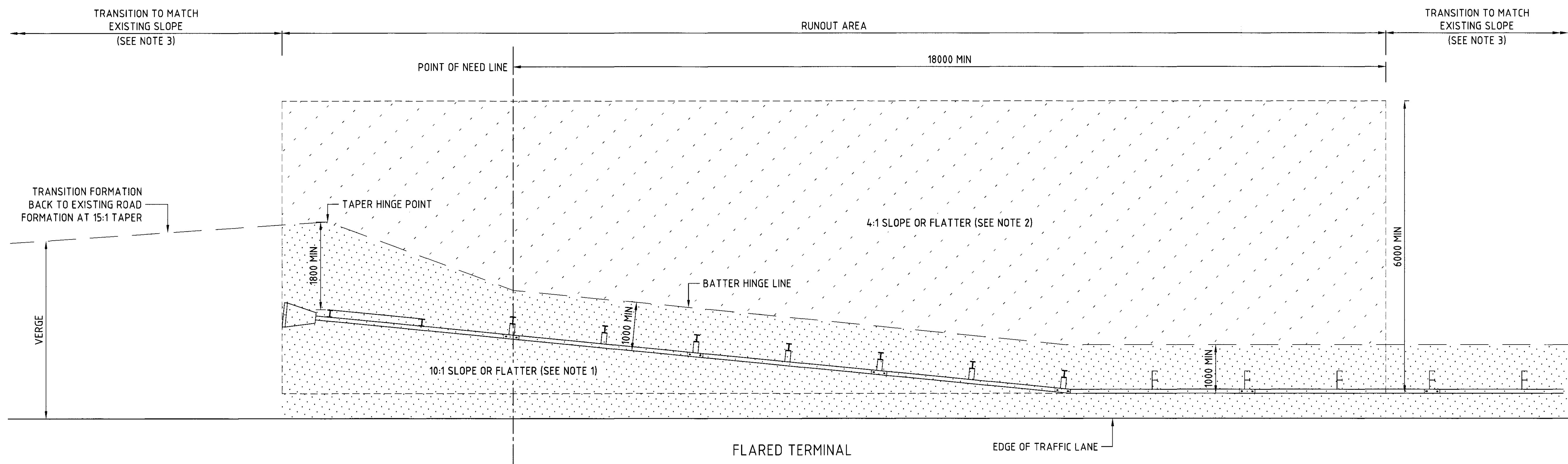
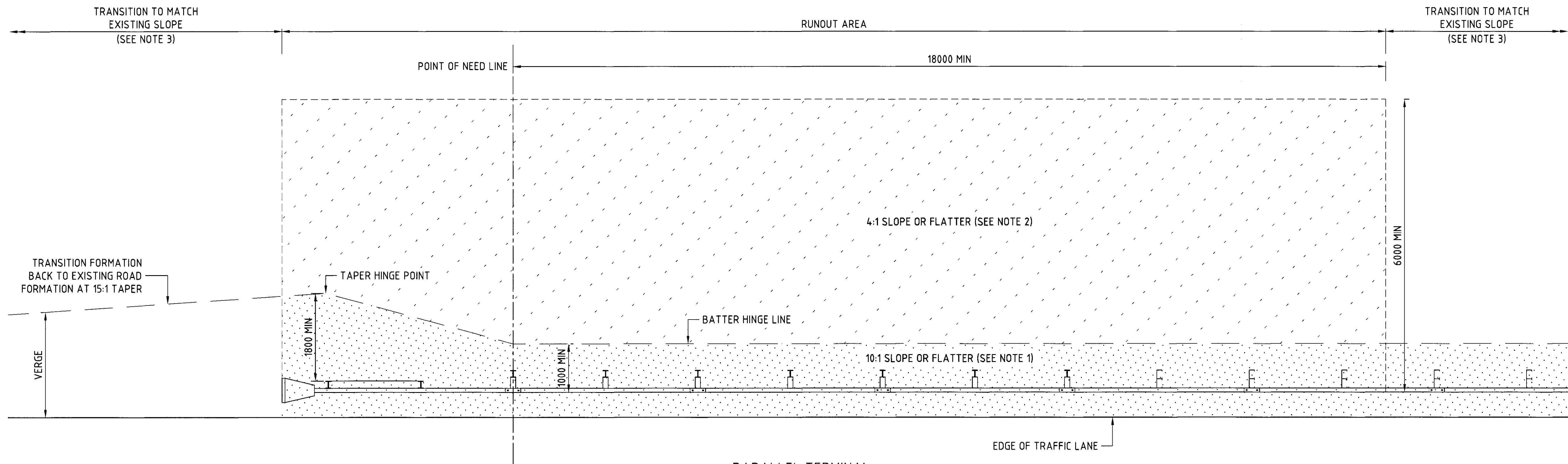
RUNOUT AREA REQUIRED FOR TERMINALS



X-TENSION TERMINAL





- NOTES
1. THE CROSS SLOPE OF THE APPROACH AND RUNOUT AREA SHOULD PREFERABLY BE 10:1 OR FLATTER.
 2. THE CROSS SLOPE OF THE BATTER BEHIND THE TERMINAL SHOULD BE TRAVERSABLE, WITH A LATERAL SLOPE OF 4:1 OR FLATTER.
 3. 'FLARED' TERMINALS SHOULD BE INSTALLED AS A STRAIGHT ALIGNMENT AND OFFSET BUT NOT CURVED OVER THE LENGTH OF THE TERMINAL.
 4. TL2 - TEST LEVEL 2 SUITABLE FOR DESIGN SPEEDS UP TO 70KM/H.
 5. TL3 - TEST LEVEL 3 SUITABLE FOR DESIGN SPEEDS GREATER THAN 70KM/H.
 6. REFER TO PRODUCT MANUAL FOR INSTALLATION REQUIREMENTS.
 7. WIDTH MARKERS D4-3B ARE GENERALLY NOT REQUIRED IF THE END STICKER IS MADE FROM CLASS 1W RETROFLECTIVE MATERIAL AND BARRIERS ARE DELINEATED.
 8. END TERMINAL STICKERS ARE TO BE BLACK BANDS ON WHITE CLASS 1W RETROFLECTIVE MATERIAL, PATTERN AS PER D4-3B. (REFER TO MRWA BARRIER DESIGN SHEET FOR SIZE)



NOTES

1. THE CROSS SLOPE OF THE APPROACH AND RUN-OUT AREA SHOULD PREFERABLY BE 10:1 OR FLATTER.
2. THE CROSS SLOPE OF THE BATTER BEHIND THE TERMINAL SHOULD BE TRAVERSABLE, WITH A LATERAL SLOPE OF 4:1 OR FLATTER.
3. THE TRANSITION TO MATCH EXISTING SLOPES SHALL BE AT LEAST THE MINIMUM LENGTH REQUIRED TO PROVIDE A TRAVERSABLE SLOPE IN THE DIRECTION OF TRAFFIC. AGRD PART 6 SPECIFIES A TRAVERSABLE SLOPE IS 6:1 OR FLATTER FOR TRUCKS AND 4:1 OR FLATTER FOR CARS.
4. WHERE THE MINIMUM RUN-OUT AREA SPECIFIED IN THIS DRAWING IS NOT ACHIEVABLE, CONSIDERATION IN ORDER OF PRECEDENCE SHALL BE GIVEN TO:
 - (i) EXTENDING THE BARRIER UPSTREAM OF THE PROPOSED LOCATION TO ACHIEVE THE MINIMUM RUN-OUT AREA.
 - (ii) PROVIDING THE MAXIMUM ACHIEVABLE RUN-OUT AREA GIVEN EXISTING SITE CONSTRAINTS ALSO SUPPORTED WITH A DOCUMENTED RISK EVALUATION; OR
 - (iii) THE AREA SHOULD AT LEAST BE SIMILAR IN CHARACTER TO THE ADJACENT UNSHIELDED ROADSIDE AREA, SUPPORTED WITH A DOCUMENTED RISK EVALUATION.
5. FOR DETAILS ON 'W' BEAM - END TERMINALS RUN-OUT AREA DETAILS REFER TO DWG. 201531-0096.

No.	DESCRIPTION	APPROVED & DATE
AMENDMENTS		



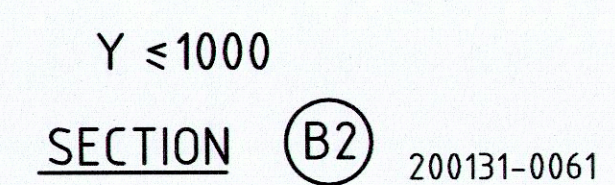
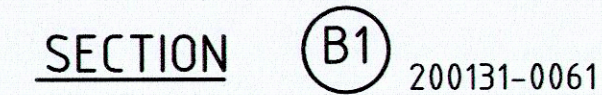
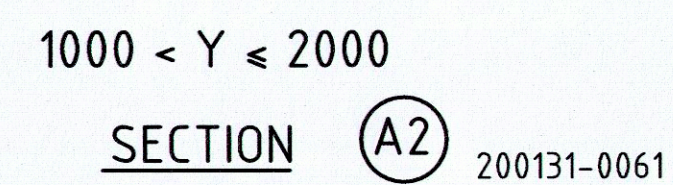
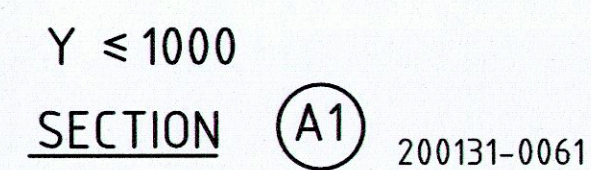
PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
WATERLOO CRESCENT
Telephone (08) 9323 4111

DESIGNED
ROAD & TRAFFIC ENGINEERING
DRAWN
G. WILLEMSSEN 14/10/15
VERIFIED
B. CROOK 29/10/15
APPROVED
A. MATE 30/10/15
FILE NUMBER

LOCAL AUTHORITY
MRWA DRAWING NUMBER
201531-0097

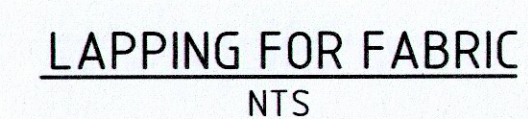
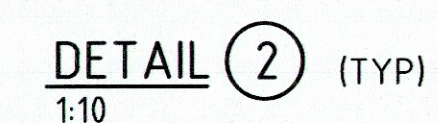
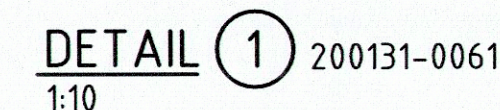
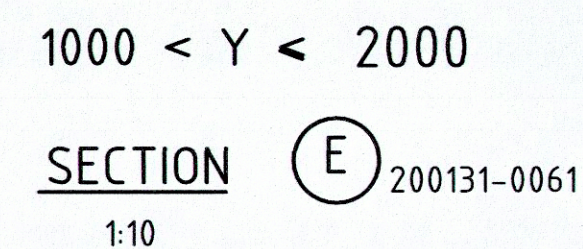
GUIDELINE DRAWING

'W' BEAM - END TERMINALS OPTIONS
RUN-OUT AREA GRADING DETAIL
SHEET 2 OF 2



HEADWALL DETAILS



WINGWALL DETAILS
NTS





THESE DETAILS ARE NOT SUITABLE FOR
HEADWALLS GREATER THAN 2000 HIGH



1	SCALES NOT TO SCALE
---	---------------------

					CULVERT TYPE							INLET							OUTLET								HEADW ALLS	COMMENTS	
					RCP PIPES			R.C.B																					
STRUCTURE NAME	REF LINE	ROAD	SLK	CHAINAGE	PIPE DIAMETER (mm) AND CLASS	NUMBER OF BARRELS	PIPE TYPE	WIDTH x HEIGHT (mm)	NUMBER OF BARRELS	SKEW (DEGREES)	OVERALL LENGTH OF CULVERT (m)	SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEAD WALL HEIGH T (m)	APPRON LENGTH (m)	REFERENCE POINT		SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEADWA LL HEIGHT (m)	APPRON LENGTH (m)	REFERENCE POINT		ROCK PROTECTI ON (TYPE, LENGTH, DEPTH)			
																	EASTING	NORTHING						EASTIN G	NORTH ING				
15	MC01	PARKER RANGE ROAD DW	17.72	17636.2	300	1	RCP-RRJ				12.000																PRECAST	REPLACE 1 X 300RCP	
16	MC01	PRR/ ARMANASCO ROAD	17.82	17740	300	1	RCP-RRJ				19.520																PRECAST	NO WORK REQUIRED. RETAIN EXISTING310DIA STEEL PIPE	
17	MC01	PARKER RANGE ROAD DW	17.89	17810.6	300	1	RCP-RRJ				12.000																PRECAST	REMOVE EXISTINGDRIVEWAY CULVERT AND INSTALL NEW CULVERT TO SUIT PROPOSED WORKS	
18	MC01	PARKER RANGE ROAD DW	19.42	19363 (LHS)	300	1	RCP-RRJ				12.000																PRECAST	REMOVE EXISTINGDRIVEWAY CULVERT AND INSTALL NEW CULVERT TO SUIT PROPOSED WORKS	
19	MC01	PARKER RANGE ROAD DW	19.42	19367 (RHS)	300	1	RCP-RRJ				12.000																PRECAST	REMOVE EXISTINGDRIVEWAY CULVERT AND INSTALL NEW CULVERT TO SUIT PROPOSED WORKS	
20	MC01	PARKER RANGE ROAD	20.48	20436.4	375	1	RCP-RRJ				15.860	R	7.93	412.150			715631. 054	6518342.6 41	L	7.93	412.000				715642 .331	651835 3.793		PRECAST	REMOVE EXISTINGRCP. INSTALL NEW 375 DIA RCP AND HEADWALLS
21		SX SOUTH ROAD	25.63		310	1	RCP-RRJ																				PRECAST	NO WORK REQUIRED	
22		SX SOUTH ROAD	25.54		310	1	RCP-RRJ																				PRECAST	NO WORK REQUIRED	
23	MC01	PARKER RANGE ROAD	20.68	20640.7	375-4	1	RCP-RRJ				15.860	R	7.93	412.060			715767.8 75	6518191.7 33	L	7.93	412.000				715779 .982	651820 1.978		PRECAST	REMOVE EXISTINGRCP. INSTALL NEW 375 DIA RCP AND HEADWALLS
24	MC01	PARKER RANGE ROAD DW	20.73	20693.5 (RHS)	300	1	RCP-RRJ						9.6														PRECAST	REPLACE EXISTING	
25	MC01	PARKER RANGE ROAD	21.92	21900.8	450-4	1	RCP-RRJ				19.520	R	9.76	398.600			716546.1 93	6517213.0 53	L	9.76	398.450				716555 .933	651722 9.969		PRECAST	REMOVE EXISTINGRCP. INSTALL NEW 450 DIA RCP AND HEADWALLS
26	MC01	PARKER RANGE ROAD	23.47	23422.9	300	1	RCP-RRJ				16.033	L	7.108	379.187					R	7.708	379.011						PRECAST	WIDEN 3.66M LHS & 2.44M RHS. INSTALL NEW PRECAST HEADWALLS.	
27	MC01	PARKER RANGE ROAD	24.65	24611.6	375	1	RCP-RRJ				15.860	L	7.93	376.400			718833.9 55	6515778.9 22	R	7.93	376.350				718824 .463	651576 6.216		PRECAST	REPLACE 300 DIA RCP WITH NEW 375 DIA RCP AND INSTALL NEW PRECAST HEADWALLS
28		FROG ROCK HOLLOW	18.02		300	1	RCP-RRJ																				PRECAST	NO WORK REQUIRED	
29	MC01	PARKER RANGE ROAD	25.68	25645	300	1	RCP-RRJ				15.860	L	7.56	379.242			719666. 008	6515166.3 48	R	8	379.159				719656 .645	651515 3.548		PRECAST	REPLACE WITH 300MM DIA
30	MC01	PARKER RANGE ROAD	25.87	25841.7	300	1	RCP-RRJ				16.020	L	7.608	375.632					R	8.415	375.326						PRECAST	LANDOWNER SERVICE LINE IN CULVERT. WIDEN 2.44M LHS AND 3.66 RHS AND INSTALL NEW PRECAST HEADWALLS	
31	MC01	PARKER RANGE ROAD	26.2	26181.7	300	1	RCP-RRJ																				PRECAST	EXTEND LHS AND RHS BY 3.66M AND INSTALL NEW PRECAST HEADWALLS	

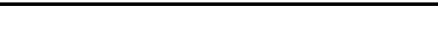

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-CS02.dwg					PLOT DATE 07 Nov 2022		TIME 08:27:11							CLIENT DOCUMENT No COV-M040-CI-DWG-0021							
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING			DESIGNER		CLIENT		PROJECT TITLE		
			0	04.11.22	ISSUED FOR CONSTRUCTION			003	NM	DRAFTER	JW								MOUNT HOLLAND LITHIUM MINE		
										DRAFTING CHECK	TM								CULVERT SCHEDULE		
										DESIGNER	TM										
										DESIGN CHECK	TM										
										PROJECT MANAGER	DM										
										PROJECT DIRECTOR	RJ										
												SMEC PROJECT No 3006493							PROJECT / DRAWING No. 3006493-CS02		
																			REVISION 0		

					CULVERT TYPE							INLET							OUTLET								HEADW ALLS	COMMENTS
					RCP PIPES			R.C.B																				
STRUCTURE NAME	REF LINE	ROAD	SLK	CHAINAGE	PIPE DIAMETER (mm) AND CLASS	NUMBER OF BARRELS	PIPE TYPE	WIDTH x HEIGHT (mm)	NUMBER OF BARRELS	SKEW (DEGREES)	OVERALL LENGTH OF CULVERT (m)	SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEAD WALL HEIGH T (m)	APPRON LENGTH (m)	REFERENCE POINT		SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEADWA LL HEIGHT (m)	APPRON LENGTH (m)	REFERENCE POINT		ROCK PROTECTI ON (TYPE, LENGTH, DEPTH)		
																	EASTING	NORTHING						EASTING	NORTHING			
32	MC01	PARKER RANGE ROAD	26.34	26330.6				1200x1200	1		17.280	L	8.932	369.299					R	8.336	369.299					AS PER TYPICAL DETAILS	CAST IN SITU	POUR EXTENSION AND BASE IN ONE POUR WIDEN 3.6M LHS & RHS AND INSTALL NEW HEADWALLS. USE N12 X 400 STARTER BARS AT 150 CENTRES TO EXTEND BASE SLAB
33	MC01	PARKER RANGE ROAD	28.06	28082.7	375-4	1	RCP-RRJ				15.860	R	7.93	376.660			721634.365	6513727.994	L	7.93	376.500			721643.365	7513741.042		PRECAST	REMOVE EXISTINGRCP. INSTALL NEW 375 DIA RCP AND HEADWALLS
34	MC01	PARKER RANGE ROAD	30.15	30223.2	300	1	RCP-RRJ				14.890	L	7.47	364.011					R	7.42	364.004						PRECAST	WIDEN 1.22M LHS & RHS. INSTALL NEW PRECAST HEADWALLS. CLEAN INLET AND OUTLET
35		PANIZZA ROAD	11.94		375-4	1	RCP-RRJ																				PRECAST	LANDOWNER POLY PIPE THROUGH CULVERT - NO WORK REQUIRED
36	MC01	PARKER RANGE ROAD	30.25	30324.7	300	1	RCP-RRJ																				PRECAST	POLY IN PIPE. EXTEND 1.22M RHS. INSTALL NEW PRECAST HEADWALLS LHS AND RHS.
37	MC02	PARKER RANGE ROAD	31.88	31880	375-4	1	RCP-RRJ				18.300	L	8.507	416.638			724710.218	6511511.059	R	9.79	416.203			724711.874	6511509.447		PRECAST	REMOVE EXISTINGCULVERT AND INSTALL NEW 375MM DIA RCP AND HEADWALLS
38	MC02	PARKER RANGE ROAD	33.87	33950	375-4	1	RCP-RRJ				18.300	R	9.2	401.049			726392.135	6510300.501	L	9.1	401.011			726402.834	6510315.348		PRECAST	REMOVE EXISTINGCULVERT AND INSTALL NEW 375MM DIA RCP AND HEADWALLS
39	MC02	PARKER RANGE ROAD	34.46	34535	375-4	1	RCP-RRJ				17.080	R	8.54	400.169			726862.995	6509961.816	L	8.54	300.971			726872.979	6509975.674		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
40	MC02	PARKER RANGE ROAD	39.19	39289	375-4	1	RCP-RRJ				18.300	L	8.5	428.893			730734.269	6507197.912	R	9.8	428.571			730723.604	6507183.041		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
41	MC02	PARKER RANGE ROAD	40.3	40400	375-4	1	RCP-RRJ				17.080	R	8.515	427.072			731628.270	6506534.139	L	8.565	427.033			731638.259	6506547.995		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
42	MC02	PARKER RANGE ROAD	42.54	42600	375-4	1	RCP-RRJ				17.080	R	8.15	405.900			733411.505	6505245.691	L	8.93	405.735			733421.477	6505259.557		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
43	MC02	PARKER RANGE ROAD	43.33	43390	375-4	1	RCP-RRJ				18.300	R	8.9	405.358			734052.090	6504784.018	L	9.4	405.094			734062.776	6504798.874		PRECAST	REMOVE EXISTINGBLOCKED DRAIN AND INSTALL 1X375MM RCP 1.45%
44	MC02	PARKER RANGE ROAD	48.25	48250	375-4	1	RCP-RRJ				17.080	R	8.48	449.900			737995.619	6501942.525	L	8.54	449.700			738005.617	6501956.373		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
45	MC03	MRL Detour - PRR		51430	600-4	2	RCP-RRJ				23.180	L	8.38	409.150	0.4	2.665	740583.391	6500214.240	R	14.8	408.800	0.4	4	740588.674	6500191.672	AS PER TYPICAL DETAILS	CAST IN SITU	INSTALL NEW 600MM DIA RCP AND HEADWALLS
46	MC03	MRL Detour - PRR		52065	300	1	RCP-RRJ				23.180	L	10.35	401.843			741175.956	6500438.860	R	12.83	400.900			741184.718	6500417.031		PRECAST	INSTALL NEW 300MM DIA RCP AND HEADWALLS
46	MC03	MRL Detour - PRR		52873	600-4	1	RCP-RRJ			04° 09' 01.1"	19.520	L	8.9	394.939			741930.825	6500729.602	R	10.62	394.812			741936.541	6500710.937		PRECAST	INSTALL NEW 600MM DIA RCP AND HEADWALLS
47	MC03	MRL Detour - PRR		54460	750-4	3	RCP-RRJ				21.960	L	11.62	387.069	0.4	3.725	743310.172	6500486.203	R	10.34	386.381	0.4	4.5	743289.465	6500478.894	AS PER TYPICAL DETAILS	CAST IN SITU	REMOVE EXISTING300 RCP AND INSTALL NEW 3 X 750 AND HEADWALLS
48	MC03	PARKER RANGE ROAD	54.71	57230	750-4	2	RCP-RRJ				24.400	L	9.5	393.980	0.4	4	743255.215	6497793.867	R	14.9	393.300	0.4	4.6	743238.967	6497775.663	AS PER TYPICAL DETAILS	CAST IN SITU	REMOVE EXISTING300 RCP AND INSTALL 2 X 750 AND HEADWALLS

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-CS03.dwg					PLOT DATE 07 Nov 2022		TIME 08:27:29		CLIENT DOCUMENT No COV-M040-CI-DWG-0022														
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING				DESIGNER		CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE			
			0	04.11.22	ISSUED FOR CONSTRUCTION			003	NM	DRAFTER	JW					 Member of the Surbana Jurong Group © ABN 47 065 475 149				CULVERT SCHEDULE SHEET 3 OF 5			
										DRAFTING CHECK	TM												
										DESIGNER	TM												
										DESIGN CHECK	TM												
										PROJECT MANAGER	DM												
										PROJECT DIRECTOR	RI									SMEC PROJECT No 3006493			

					CULVERT TYPE							INLET							OUTLET								HEADW ALLS	COMMENTS			
					RCP PIPES			R.C.B																							
STRUCTURE NAME	REF LINE	ROAD	SLK	CHAINAGE	PIPE DIAMETER (mm) AND CLASS	NUMBER OF BARRELS	PIPE TYPE	WIDTH x HEIGHT (mm)	NUMBER OF BARRELS	SKEW (DEGREES)	OVERALL LENGTH OF CULVERT (m)	SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEAD WALL HEIGHT (m)	APPRON LENGTH (m)	REFERENCE POINT		SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEADWALL HEIGHT (m)	APPRON LENGTH (m)	REFERENCE POINT		ROCK PROTECTI ON (TYPE, LENGTH, DEPTH)					
																	EASTING	NORTHING						EASTIN G	NORTHI NG						
49	MC03	PARKER RANGE ROAD		57930	375-4	1	RCP-RRJ				19.520	L	8.82	388.400			743909.977	6497595.613	R	10.7	387.680			743906.570	649757.6392		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
50	MC03	PARKER RANGE ROAD	56.23	58350	450-4	1	RCP-RRJ				19.520	L	8.84	383.450			744323.292	6497522.419	R	10.68	382.925			744319.683	649750.3011		PRECAST	INSTALL NEW 450MM DIA RCP AND HEADWALLS			
51	MC03	PARKER RANGE ROAD		59340	900-4	3	RCP-RRJ				20.740	R	9.26	370.900	0.2	5.2	745041.193	6496960.792	L	11.48	370.700	0.2	5.2	745061.587	649696.4562	AS PER TYPICAL DETAILS	CAST IN SITU	INSTALL NEW 3 x 900MM DIA RCP AND HEADWALLS			
52	MC03	MARVEL LOCH FORRESTANIA ROAD		60950	750-4	3	RCP-RRJ				19.520	R	9.44	377.437	0.4	3.7	744448.043	6495501.635	L	10.08	377.173	0.4	4.4	744465.703	649549.3318	AS PER TYPICAL DETAILS	CAST IN SITU	INSTALL NEW 3 x 750MM DIA RCP AND HEADWALLS			
53	MC03	MARVEL LOCH FORRESTANIA ROAD		62280	375-4	1	RCP-RRJ				18.300	R	8.07	385.336			744021.264	6494256.907	L	10.23	384.888			744039.560	649425.7272		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
54	MC04	MARVEL LOCH FORRESTANIA ROAD	28.5	63220	450-4	1	RCP-RRJ				17.080	R	8.54	377.183			744040.277	6493317.088	L	8.54	377.098			744057.353	649331.7447		PRECAST	INSTALL NEW 450MM DIA RCP AND HEADWALLS			
55	MC04	MARVEL LOCH FORRESTANIA ROAD	29.55	64270	450-4	2	RCP-RRJ				17.080	R	8.54	380.037	0.4	2.21	743891.491	6492280.039	L	8.54	379.866	0.4	3.1	743908.361	649227.7369	AS PER TYPICAL DETAILS	CAST IN SITU	INSTALL NEW 450MM DIA RCP AND HEADWALLS			
56	MC04	MARVEL LOCH FORRESTANIA ROAD	30.58	65260	450-4	1	RCP-RRJ				17.080	R	8.54	368.996			743917.722	6491299.223	L	8.54	368.910			743934.517	649130.2329		PRECAST	INSTALL NEW 450MM DIA RCP AND HEADWALLS			
57	MC04	MARVEL LOCH FORRESTANIA ROAD	33.38	68080	375-4	1	RCP-RRJ				19.520	R	9.76	388.733			744157.964	6488502.485	L	9.76	388.537			744177.486	648850.2718		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
58	MC04	MARVEL LOCH FORRESTANIA ROAD	35.3	70020	375-4	1	RCP-RRJ				17.080	R	8.54	365.385			744810.946	6486728.018	L	8.54	365.300			744825.328	648673.7242		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
59	MC04	MARVEL LOCH FORRESTANIA ROAD	36.49	71220	375-4	1	RCP-RRJ				17.080	L	8.54	368.520			745446.791	6485710.443	R	8.54	368.349			745432.179	648570.1599		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
60	MC04	MARVEL LOCH FORRESTANIA ROAD	38.8	73490	450-4	1	RCP-RRJ				17.080	L	8.54	386.300			746362.587	6483610.097	R	8.54	386.215			746346.474	648360.4431		PRECAST	REMOVE EXISTINGCULVERT AND INSTALL NEW 450MM DIA RCP AND HEADWALLS			
61	MC04	MARVEL LOCH FORRESTANIA ROAD	39.7	74420	450-4	2	RCP-RRJ				19.520	R	9.76	393.114	0.4	2.21	746645.609	6482755.177	L	9.76	392.723	0.4	2.9	746663.727	648276.2440	AS PER TYPICAL DETAILS	CAST IN SITU	REMOVE EXISTINGCULVERT AND INSTALL NEW 2 x 450MM DIA RCP AND HEADWALLS			
62	MC04	MARVEL LOCH FORRESTANIA ROAD	40.47	75164	450-4	1	RCP-RRJ			47° 27' 21"	21.960	R	9.76	391.905			747036.490	6482127.910	L	12.184	391.026			747053.566	648214.1718		PRECAST	REMOVE EXISTINGCULVERT AND INSTALL NEW 450MM DIA RCP AND HEADWALLS			
63	MC04	MARVEL LOCH FORRESTANIA ROAD	41.43	76160	450-4	1	RCP-RRJ				26.840	R	10.98	388.312			747359.986	6481204.485	L	15.86	387.373			747386.208	648121.0213		PRECAST	INSTALL NEW 450MM DIA RCP AND HEADWALLS			
64	MC04	MARVEL LOCH FORRESTANIA ROAD	42.83	77520	450-4	1	RCP-RRJ				15.520	R	9.76	387.815			747779.785	6479909.673	L	9.76	387.522			747797.999	647991.6691		PRECAST	INSTALL NEW 450MM DIA RCP AND HEADWALLS			
65	MC04	MARVEL LOCH FORRESTANIA ROAD	44.95	79660	375-4	1	RCP-RRJ				17.080	R	8.54	381.337			749059.106	6478206.279	L	8.54	381.252			749073.379	647821.5661		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
66	MC04	MARVEL LOCH FORRESTANIA ROAD	49.12	83620	375-4	1	RCP-RRJ				19.520	R	10.98	397.102			750592.566	6474733.345	L	8.52	396.907			750612.024	647473.1787		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
67	MC04	MARVEL LOCH FORRESTANIA ROAD	52.25	86980	375-4	1	RCP-RRJ				17.080	L	8.54	405.100			750733.892	6471375.480	R	8.54	405.015			750716.814	647137.5229		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
68	MC04	MARVEL LOCH FORRESTANIA ROAD	56.47	91160	375-4	1	RCP-RRJ				19.520	L	8.7	433.500			750606.569	6467215.333	R	10.82	433.207			750587.072	646721.6293		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
69	MC04	MARVEL LOCH FORRESTANIA ROAD	57.27	91960	375-4	1	RCP-RRJ				17.080	R	8.64	437.601			750548.959	6466417.204	L	8.44	437.550			750566.019	646641.6366		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
70	MC04	MARVEL LOCH FORRESTANIA ROAD	61.55	96240	375-4	1	RCP-RRJ				19.520	L	8.7	412.500			750346.229	6462141.933	R	10.82	412.445			750365.733	646214.1146		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
71	MC04	MARVEL LOCH FORRESTANIA ROAD	63.94	98640	375-4	1	RCP-RRJ				19.520	R	10.35	403.110			750257.474	6459743.306	L	9.17	403.012			750276.993	645974.3139		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
72	MC04	MARVEL LOCH FORRESTANIA ROAD	64.84	99540	375-4	1	RCP-RRJ				18.300	L	8.79	407.100			750286.257	6458843.412	R	9.5	406.826			750267.956	645884.3159		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
73	MC04	MARVEL LOCH FORRESTANIA ROAD	66.15	100880	375-4	1	RCP-RRJ				19.520	L	10.2	417.631			750305.954	6457503.557	R	9.32	417.533			750286.436	645750.3285		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
74	MC04	MARVEL LOCH FORRESTANIA ROAD	68.77	103460	375-4	1	RCP-RRJ				24.400	L	12.78	405.850			750354.615	6454924.128	R	11.62	405.777			750330.221	645492.3575		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS			
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-CS04.dwg										PLOT DATE 07 Nov 2022		TIME 08:27:57		CLIENT DOCUMENT No COV-M040-CI-DWG-0023																	
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION				WVR No	APPROVAL	TITLE		NAME		SCALES AT A1 SIZE DRAWING				DESIGNER				CLIENT				PROJECT TITLE MOUNT HOLLAND LITHIUM MINE			
				0	04.11.22	ISSUED FOR CONSTRUCTION				003	NM	DRAFTER		JW						 Member of the Surbana Jurong Group © ABN 47 065 475 149								CULVERT SCHEDULE			
												DRAFTING CHECK		TM																	
												DESIGNER		TM																	
												DESIGN CHECK		TM																	
												PROJECT MANAGER		DM																	
PROJECT DIRECTOR		RI		SMEC PROJECT No 3006493								SCALE		PHASE DETAILED		PROJECT / DRAWING No 3006493-CS04		REVISION 0													

					CULVERT TYPE							INLET							OUTLET									
					RCP PIPES			R.C.B																				
STRUCTURE NAME	REF LINE	ROAD	SLK	CHAINAGE	PIPE DIAMETER (mm) AND CLASS	NUMBER OF BARRELS	PIPE TYPE	WIDTH x HEIGHT (mm)	NUMBER OF BARRELS	SKEW (DEGREES)	OVERALL LENGTH OF CULVERT (m)	SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEAD WALL HEIGHT (m)	APPRON LENGTH (m)	REFERENCE POINT		SIDE L=LEFT R=RIGHT	OFFSET FROM CENTRE LINE (m)	INVERT LEVEL (m AHD)	HEADWALL HEIGHT (m)	APPRON LENGTH (m)	REFERENCE POINT		ROCK PROTECTION (TYPE, LENGTH, DEPTH)	HEADWALLS	COMMENTS
																	EASTING	NORTHING						EASTING	NORTHING			
75	MC04	MARVEL LOCH	69.24	103940	375-4	1	RCP-RRJ				19.520	R	8.74	405.529			750343.463	6454443.751	L	10.78	405.373			750362.976	6454444.190		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
76	MC04	MARVEL LOCH	69.54	104240	375-4	1	RCP-RRJ				19.520	R	8.83	404.759			750350.211	6454143.829	L	10.69	404.700			750369.726	6454144.269		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
77	MC04	MARVEL LOCH	70.9	105640	375-4	1	RCP-RRJ				17.080	L	8.54	418.500			750403.158	6452744.728	R	8.54	418.415			750386.086	6452744.212		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
78	MC04	MARVEL LOCH	71.12	105840	375-4	1	RCP-RRJ				19.520	L	9.16	419.100			750409.697	6452544.846	R	10.36	419.041			750390.186	6452544.259		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
79	MC04	MARVEL LOCH	73.54	108220	375-4	1	RCP-RRJ				17.080	R	8.87	447.151			750947.292	6450246.796	L	8.2	447.100			750963.517	6450252.133		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
80	MC04	MARVEL LOCH	75	109700	375-4	1	RCP-RRJ				17.080	R	7.84	445.101			751409.798	6448840.923	L	9.23	445.050			751426.024	6448846.257		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
81	MC04	MARVEL LOCH	77.99	112680	375-4	1	RCP-RRJ				17.080	R	8.54	458.335			752463.606	6446060.721	L	8.54	458.250			752478.667	6446068.776		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS
82	MC05	MARVEL LOCH		50	375-4	1	RCP-RRJ				29.280	L	16.59	373.100			744996.315	6497224.299	R	12.69	372.443			745012.202	6497199.705		PRECAST	INSTALL NEW 375MM DIA RCP AND HEADWALLS

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-CS05.dwg					PLOT DATE 07 Nov 2022		TIME 08:28:21		CLIENT DOCUMENT No COV-M040-CI-DWG-0024														
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		<div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMC PROJECT No 3006493		<div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE CULVERT SCHEDULE SHEET 5 OF 5								
	0	04.11.22	ISSUED FOR CONSTRUCTION		003	NM	DRAFTER	JW										SCALE			PHASE DETAILED	PROJECT / DRAWING No 3006493-CS05	REVISION 0
							DRAFTING CHECK	TM															
							DESIGNER	TM															
							DESIGN CHECK	TM															
							PROJECT MANAGER	DM															
						PROJECT DIRECTOR	RI																

MCO2			
CHA	LEFT HAND SIDE (ON THE CHAINAGE DIRECTION)	RIGHT HAND SIDE (ON THE CHAINAGE DIRECTION)	COMMENTS
43800		MAINTAIN EXISTING OFFSHOOT DRAIN	
44000	MAINTAIN EXISTING OFFSHOOT DRAIN		
44060		MAINTAIN EXISTING OFFSHOOT DRAIN	
44110	MAINTAIN EXISTING OFFSHOOT DRAIN		
44370	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
44830	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
45040	MAINTAIN EXISTING OFFSHOOT DRAIN		
45230		MAINTAIN EXISTING OFFSHOOT DRAIN	
45300	CONSTRUCT NEW OFFSHOOT DRAIN		
45520		MAINTAIN EXISTING OFFSHOOT DRAIN	
46140		MAINTAIN EXISTING OFFSHOOT DRAIN	
45700	CONSTRUCT NEW OFFSHOOT DRAIN		
45980		MAINTAIN EXISTING OFFSHOOT DRAIN	
46050	CONSTRUCT NEW OFFSHOOT DRAIN		
46300	CONSTRUCT NEW OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
46550		MAINTAIN EXISTING OFFSHOOT DRAIN	
46730		MAINTAIN EXISTING OFFSHOOT DRAIN	
46850	MAINTAIN EXISTING OFFSHOOT DRAIN		
46980		MAINTAIN EXISTING OFFSHOOT DRAIN	
47080	MAINTAIN EXISTING OFFSHOOT DRAIN		
47380	MAINTAIN EXISTING OFFSHOOT DRAIN		
47470		MAINTAIN EXISTING OFFSHOOT DRAIN	
48120		MAINTAIN EXISTING OFFSHOOT DRAIN	
48140	MAINTAIN EXISTING OFFSHOOT DRAIN		
48400	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
48550		MAINTAIN EXISTING OFFSHOOT DRAIN	
48800		MAINTAIN EXISTING OFFSHOOT DRAIN	
49000	CONSTRUCT NEW OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
49160	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
49300	MAINTAIN EXISTING OFFSHOOT DRAIN		
49360	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
49650		MAINTAIN EXISTING OFFSHOOT DRAIN	
49720	MAINTAIN EXISTING OFFSHOOT DRAIN		
49880	MAINTAIN EXISTING OFFSHOOT DRAIN		
49980		MAINTAIN EXISTING OFFSHOOT DRAIN	

NOTES:

1.



OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.
2.

FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.
3.

FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-TD13.dwg					PLOT DATE 07 Nov 2022		TIME 08:29:41		CLIENT DOCUMENT No COV-M040-CI-DWG-0012									
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW	<div>SCALE 1:100</div> <div><div><div>1</div><div>0</div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div></div></div>		<div><div><div><div></div></div></div><div><div>SMEC</div></div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>		<div><div><div><div></div></div></div><div><div>covalent</div></div><div>LITHIUM</div></div>		MOUNT HOLLAND LITHIUM MINE OFFSHOOT DRAINS - MC02 SHEET 2 OF 2			
							PROJECT MANAGER	DM										
							PROJECT DIRECTOR	RI										
									SMEC PROJECT No 3006493						SCALE	PHASE	PROJECT / DRAWING No	REVISION
																DETAILED	3006493-TD13	0

		MCO4	
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments
81180			
81540	MAINTAIN EXISTING OFFSHOOT DRAIN		
81700		MAINTAIN EXISTING OFFSHOOT DRAIN	
81770		MAINTAIN EXISTING OFFSHOOT DRAIN	
81840		MAINTAIN EXISTING OFFSHOOT DRAIN	
81880	CONSTRUCT NEW OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
82060	Maintain existing offshhot drain		
82240		MAINTAIN EXISTING OFFSHOOT DRAIN	
82280		MAINTAIN EXISTING OFFSHOOT DRAIN	
82300			
82380	MAINTAIN EXISTING OFFSHOOT DRAIN		
82420		MAINTAIN EXISTING OFFSHOOT DRAIN	
82440	MAINTAIN EXISTING OFFSHOOT DRAIN		
82500	MAINTAIN EXISTING OFFSHOOT DRAIN		
82600	CONSTRUCT NEW OFFSHOOT DRAIN AT THE END OF CUT	CONSTRUCT NEW OFFSHOOT DRAIN AT THE END OF CUT	
82950	CONSTRUCT NEW OFFSHOOT DRAIN AT THE END OF CUT	CONSTRUCT NEW OFFSHOOT DRAIN AT THE END OF CUT	
83230	MAINTAIN EXISTING OFFSHOOT DRAIN		
83270		MAINTAIN EXISTING OFFSHOOT DRAIN	
83360	MAINTAIN EXISTING OFFSHOOT DRAIN		
83400			
83580		MAINTAIN EXISTING OFFSHOOT DRAIN	
83610	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
83800	MAINTAIN EXISTING OFFSHOOT DRAIN		
83910		MAINTAIN EXISTING OFFSHOOT DRAIN	
84090		MAINTAIN EXISTING OFFSHOOT DRAIN	
84110	MAINTAIN EXISTING OFFSHOOT DRAIN		
84150		MAINTAIN EXISTING OFFSHOOT DRAIN	
84400	MAINTAIN EXISTING OFFSHOOT DRAIN		
84420		MAINTAIN EXISTING OFFSHOOT DRAIN	
84680	MAINTAIN EXISTING OFFSHOOT DRAIN		
84740		CONSTRUCT NEW OFFSHOOT DRAIN	
84930		MAINTAIN EXISTING OFFSHOOT DRAIN	
85020	MAINTAIN EXISTING OFFSHOOT DRAIN		
85220		MAINTAIN EXISTING OFFSHOOT DRAIN	
85270		MAINTAIN EXISTING OFFSHOOT DRAIN	
85370	MAINTAIN EXISTING OFFSHOOT DRAIN		
85570		CONSTRUCT NEW OFFSHOOT DRAIN	

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-TD17.dwg					PLOT DATE 07 Nov 2022		TIME 08:31:14											
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE OFFSHOOT DRAINS - MC04 SHEET 3 OF 6			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW			 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493							
					DRAFTING CHECK	TM												
					DESIGNER	TM												
					DESIGN CHECK	TM												
					PROJECT MANAGER	DM												
							PROJECT DIRECTOR	RI							SCALE	PHASE DETAILED	PROJECT / DRAWING No 3006493-TD17	REVISION 0

		MCO4	
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments
86570		MAINTAIN EXISTING OFFSHOOT DRAIN	
86720		MAINTAIN EXISTING OFFSHOOT DRAIN	
86800	MAINTAIN EXISTING OFFSHOOT DRAIN		
86840			
87370		MAINTAIN EXISTING OFFSHOOT DRAIN	
87420	MAINTAIN EXISTING OFFSHOOT DRAIN		
87480			
87600	MAINTAIN EXISTING OFFSHOOT DRAIN		
87630	MAINTAIN EXISTING OFFSHOOT DRAIN		
87700		MAINTAIN EXISTING OFFSHOOT DRAIN	
88020		MAINTAIN EXISTING OFFSHOOT DRAIN	
88040	MAINTAIN EXISTING OFFSHOOT DRAIN		
88070	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN	
88090		MAINTAIN EXISTING OFFSHOOT DRAIN	
88100	MAINTAIN EXISTING OFFSHOOT DRAIN		
88150	MAINTAIN EXISTING OFFSHOOT DRAIN		
88220	MAINTAIN EXISTING OFFSHOOT DRAIN		
88460		MAINTAIN EXISTING OFFSHOOT DRAIN	
88600	MAINTAIN EXISTING OFFSHOOT DRAIN		
88770		MAINTAIN EXISTING OFFSHOOT DRAIN	
88940	MAINTAIN EXISTING OFFSHOOT DRAIN		
89040		MAINTAIN EXISTING OFFSHOOT DRAIN	
89080	MAINTAIN EXISTING OFFSHOOT DRAIN		
89160		MAINTAIN EXISTING OFFSHOOT DRAIN	
89290	MAINTAIN EXISTING OFFSHOOT DRAIN		
89350		MAINTAIN EXISTING OFFSHOOT DRAIN	
89600	MAINTAIN EXISTING OFFSHOOT DRAIN		
89630		MAINTAIN EXISTING OFFSHOOT DRAIN	
89860	MAINTAIN EXISTING OFFSHOOT DRAIN		
89980		MAINTAIN EXISTING OFFSHOOT DRAIN	
90060		MAINTAIN EXISTING OFFSHOOT DRAIN	

NOTES:

1.

OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.

2.

FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.



3.

FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

NOTES:

- OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.
- FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.
- FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

		MCO4	
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments
90060		MAINTAIN EXISTING OFFSHOOT DRAIN	
90160	MAINTAIN EXISTING OFFSHOOT DRAIN		
90200		MAINTAIN EXISTING OFFSHOOT DRAIN	
90340	MAINTAIN EXISTING OFFSHOOT DRAIN		
90360		MAINTAIN EXISTING OFFSHOOT DRAIN	
90560	MAINTAIN EXISTING OFFSHOOT DRAIN		
90710		MAINTAIN EXISTING OFFSHOOT DRAIN	
90760		MAINTAIN EXISTING OFFSHOOT DRAIN	
90770	MAINTAIN EXISTING OFFSHOOT DRAIN		
91020		MAINTAIN EXISTING OFFSHOOT DRAIN	
91080		MAINTAIN EXISTING OFFSHOOT DRAIN	
91110		MAINTAIN EXISTING OFFSHOOT DRAIN	
91180		MAINTAIN EXISTING OFFSHOOT DRAIN	
91230	MAINTAIN EXISTING OFFSHOOT DRAIN		
91290		MAINTAIN EXISTING OFFSHOOT DRAIN	
91340	MAINTAIN EXISTING OFFSHOOT DRAIN		
91580	MAINTAIN EXISTING OFFSHOOT DRAIN		
91590		MAINTAIN EXISTING OFFSHOOT DRAIN	
91700	MAINTAIN EXISTING OFFSHOOT DRAIN		
91780	MAINTAIN EXISTING OFFSHOOT DRAIN		
92030		MAINTAIN EXISTING OFFSHOOT DRAIN	
92200	MAINTAIN EXISTING OFFSHOOT DRAIN		
92260		MAINTAIN EXISTING OFFSHOOT DRAIN	
92330		MAINTAIN EXISTING OFFSHOOT DRAIN	
92340	MAINTAIN EXISTING OFFSHOOT DRAIN		
92400		MAINTAIN EXISTING OFFSHOOT DRAIN	
92400	MAINTAIN EXISTING OFFSHOOT DRAIN		
92440	MAINTAIN EXISTING OFFSHOOT DRAIN		
92480		MAINTAIN EXISTING OFFSHOOT DRAIN	
92550		MAINTAIN EXISTING OFFSHOOT DRAIN	
92600		Maintain existing perpendicular offshoot	
92600	MAINTAIN EXISTING OFFSHOOT DRAIN		
92620		MAINTAIN EXISTING OFFSHOOT DRAIN	
92780	MAINTAIN EXISTING OFFSHOOT DRAIN		
92800		MAINTAIN EXISTING OFFSHOOT DRAIN	
92890		MAINTAIN EXISTING OFFSHOOT DRAIN	
92920	MAINTAIN EXISTING OFFSHOOT DRAIN		

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-TD18.dwg					PLOT DATE 07 Nov 2022		TIME 08:31:35											
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW			 Member of the Surbana Jurong Group © ABN 47 065 475 149				MOUNT HOLLAND LITHIUM MINE			
					DRAFTING CHECK		TM			OFFSHOOT DRAINS - MC04								
					DESIGNER		TM			SHEET 4 OF 6								
					DESIGN CHECK		TM											
					PROJECT MANAGER		DM											
							PROJECT DIRECTOR	RI			SMC PROJECT No 3006493				SCALE	PHASE DETAILED	PROJECT / DRAWING No. 3006493-TD18	REVISION 0

		MCO4	
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments
93040		MAINTAIN EXISTING OFFSHOOT DRAIN	
93080	MAINTAIN EXISTING OFFSHOOT DRAIN		
93290		MAINTAIN EXISTING OFFSHOOT DRAIN	
93570	MAINTAIN EXISTING OFFSHOOT DRAIN		
93590		MAINTAIN EXISTING OFFSHOOT DRAIN	
93710		MAINTAIN EXISTING OFFSHOOT DRAIN	
93760	MAINTAIN EXISTING OFFSHOOT DRAIN		
93790		MAINTAIN EXISTING OFFSHOOT DRAIN	
93930		MAINTAIN EXISTING OFFSHOOT DRAIN	
94010		MAINTAIN EXISTING OFFSHOOT DRAIN	
94050	CONSTRUCT NEW OFFSHOOT DRAIN		
94330	MAINTAIN EXISTING OFFSHOOT DRAIN		
94330	MAINTAIN EXISTING OFFSHOOT DRAIN		
94450		MAINTAIN EXISTING OFFSHOOT DRAIN	
94580	MAINTAIN EXISTING OFFSHOOT DRAIN		
94650		MAINTAIN EXISTING OFFSHOOT DRAIN	
94700	MAINTAIN EXISTING OFFSHOOT DRAIN		
94880		MAINTAIN EXISTING OFFSHOOT DRAIN	
95000	MAINTAIN EXISTING OFFSHOOT DRAIN		
95100		MAINTAIN EXISTING OFFSHOOT DRAIN	
95200	MAINTAIN EXISTING OFFSHOOT DRAIN		
95350		MAINTAIN EXISTING OFFSHOOT DRAIN	
95500	MAINTAIN EXISTING OFFSHOOT DRAIN		
95590		MAINTAIN EXISTING OFFSHOOT DRAIN	
95780		MAINTAIN EXISTING OFFSHOOT DRAIN	
95880	MAINTAIN EXISTING OFFSHOOT DRAIN		
96080	MAINTAIN EXISTING OFFSHOOT DRAIN		
96100		MAINTAIN EXISTING OFFSHOOT DRAIN	
96240	MAINTAIN EXISTING OFFSHOOT DRAIN		
96300		MAINTAIN EXISTING OFFSHOOT DRAIN	
96340	MAINTAIN EXISTING OFFSHOOT DRAIN		

NOTES:

1.

OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.

2.

FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.



3.

FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

NOTES:

- OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.
- FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.
- FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

		MCO4		
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments	
96340	MAINTAIN EXISTING OFFSHOOT DRAIN			
96670		MAINTAIN EXISTING OFFSHOOT DRAIN		
96860	MAINTAIN EXISTING OFFSHOOT DRAIN			
97200		MAINTAIN EXISTING OFFSHOOT DRAIN		
97300	MAINTAIN EXISTING OFFSHOOT DRAIN			
97470		MAINTAIN EXISTING OFFSHOOT DRAIN		
97480	MAINTAIN EXISTING OFFSHOOT DRAIN			
97570	MAINTAIN EXISTING OFFSHOOT DRAIN			
97660		MAINTAIN EXISTING OFFSHOOT DRAIN		
97780	MAINTAIN EXISTING OFFSHOOT DRAIN			
97890		MAINTAIN EXISTING OFFSHOOT DRAIN		
97970		MAINTAIN EXISTING OFFSHOOT DRAIN		
98050		MAINTAIN EXISTING OFFSHOOT DRAIN		
98070	MAINTAIN EXISTING OFFSHOOT DRAIN			
98180		MAINTAIN EXISTING OFFSHOOT DRAIN		
98230	MAINTAIN EXISTING OFFSHOOT DRAIN			
98290		MAINTAIN EXISTING OFFSHOOT DRAIN		
98380		MAINTAIN EXISTING OFFSHOOT DRAIN		
98540	MAINTAIN EXISTING OFFSHOOT DRAIN			
98630	MAINTAIN EXISTING OFFSHOOT DRAIN			
98670		MAINTAIN EXISTING OFFSHOOT DRAIN		
98700	MAINTAIN EXISTING OFFSHOOT DRAIN			
98920		MAINTAIN EXISTING OFFSHOOT DRAIN		
99000	MAINTAIN EXISTING OFFSHOOT DRAIN			
99280	MAINTAIN EXISTING OFFSHOOT DRAIN			
99610		MAINTAIN EXISTING OFFSHOOT DRAIN		
99680	MAINTAIN EXISTING OFFSHOOT DRAIN			
99810		MAINTAIN EXISTING OFFSHOOT DRAIN		
99900	MAINTAIN EXISTING OFFSHOOT DRAIN			
100120		MAINTAIN EXISTING OFFSHOOT DRAIN		
100120	MAINTAIN EXISTING OFFSHOOT DRAIN			
100320	MAINTAIN EXISTING OFFSHOOT DRAIN			
100430		MAINTAIN EXISTING OFFSHOOT DRAIN		
100460	MAINTAIN EXISTING OFFSHOOT DRAIN			
101300		MAINTAIN EXISTING OFFSHOOT DRAIN		
101320	MAINTAIN EXISTING OFFSHOOT DRAIN			
101390		MAINTAIN EXISTING OFFSHOOT DRAIN		

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-TD19.dwg				PLOT DATE 07 Nov 2022		TIME 08:31:56											
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW			 Member of the Surbana Jurong Group © ABN 47 065 475 149			MOUNT HOLLAND LITHIUM MINE			
					DRAFTING CHECK		TM			OFFSHOOT DRAINS - MC04							
					DESIGNER		TM			SHEET 5 OF 6							
					DESIGN CHECK		TM										
					PROJECT MANAGER		DM										
						PROJECT DIRECTOR	RI			SMC PROJECT No 3006493				SCALE	PHASE DETAILED	PROJECT / DRAWING No 3006493-TD19	REVISION 0

		MCO4		
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments	
101390		MAINTAIN EXISTING OFFSHOOT DRAIN		
101590		MAINTAIN EXISTING OFFSHOOT DRAIN		
101650	MAINTAIN EXISTING OFFSHOOT DRAIN			
101680		MAINTAIN EXISTING OFFSHOOT DRAIN		
101830	New			
101890		MAINTAIN EXISTING OFFSHOOT DRAIN		
102150	New			
102350	MAINTAIN EXISTING OFFSHOOT DRAIN			
102540		MAINTAIN EXISTING OFFSHOOT DRAIN		
102620	MAINTAIN EXISTING OFFSHOOT DRAIN			
102850	MAINTAIN EXISTING OFFSHOOT DRAIN			
102930		MAINTAIN EXISTING OFFSHOOT DRAIN		
102960	MAINTAIN EXISTING OFFSHOOT DRAIN			
102970		MAINTAIN EXISTING OFFSHOOT DRAIN		
103090	MAINTAIN EXISTING OFFSHOOT DRAIN			
103150	MAINTAIN EXISTING OFFSHOOT DRAIN			
103190	MAINTAIN EXISTING OFFSHOOT DRAIN			
103200		MAINTAIN EXISTING OFFSHOOT DRAIN		
103300		MAINTAIN EXISTING OFFSHOOT DRAIN		
103390	MAINTAIN EXISTING OFFSHOOT DRAIN			
103520	MAINTAIN EXISTING OFFSHOOT DRAIN	MAINTAIN EXISTING OFFSHOOT DRAIN		
103570		MAINTAIN EXISTING OFFSHOOT DRAIN		
103710		MAINTAIN EXISTING OFFSHOOT DRAIN		
103810		MAINTAIN EXISTING OFFSHOOT DRAIN		
103910		MAINTAIN EXISTING OFFSHOOT DRAIN		
104200		MAINTAIN EXISTING OFFSHOOT DRAIN		
104430	MAINTAIN EXISTING OFFSHOOT DRAIN			
104470	MAINTAIN EXISTING OFFSHOOT DRAIN			
104480		MAINTAIN EXISTING OFFSHOOT DRAIN		
104580	MAINTAIN EXISTING OFFSHOOT DRAIN			
104660		MAINTAIN EXISTING OFFSHOOT DRAIN		

NOTES:

1.

OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.

2.

FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.

3.

FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

NOTES:

- OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.
- FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.
- FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

		MCO4	
CHA	Left Hand Side (on the chainage direction)	Right Hand Side (on the chainage direction)	Comments
112000	MAINTAIN EXISTING OFFSHOOT DRAIN		
112180		MAINTAIN EXISTING OFFSHOOT DRAIN	
112200	MAINTAIN EXISTING OFFSHOOT DRAIN		
112420		MAINTAIN EXISTING OFFSHOOT DRAIN	
112460	MAINTAIN EXISTING OFFSHOOT DRAIN		
112510		MAINTAIN EXISTING OFFSHOOT DRAIN	
112620	MAINTAIN EXISTING OFFSHOOT DRAIN		
112640		MAINTAIN EXISTING OFFSHOOT DRAIN	
112660	MAINTAIN EXISTING OFFSHOOT DRAIN		
113000		MAINTAIN EXISTING OFFSHOOT DRAIN	
113180	MAINTAIN EXISTING OFFSHOOT DRAIN		



NOTES:

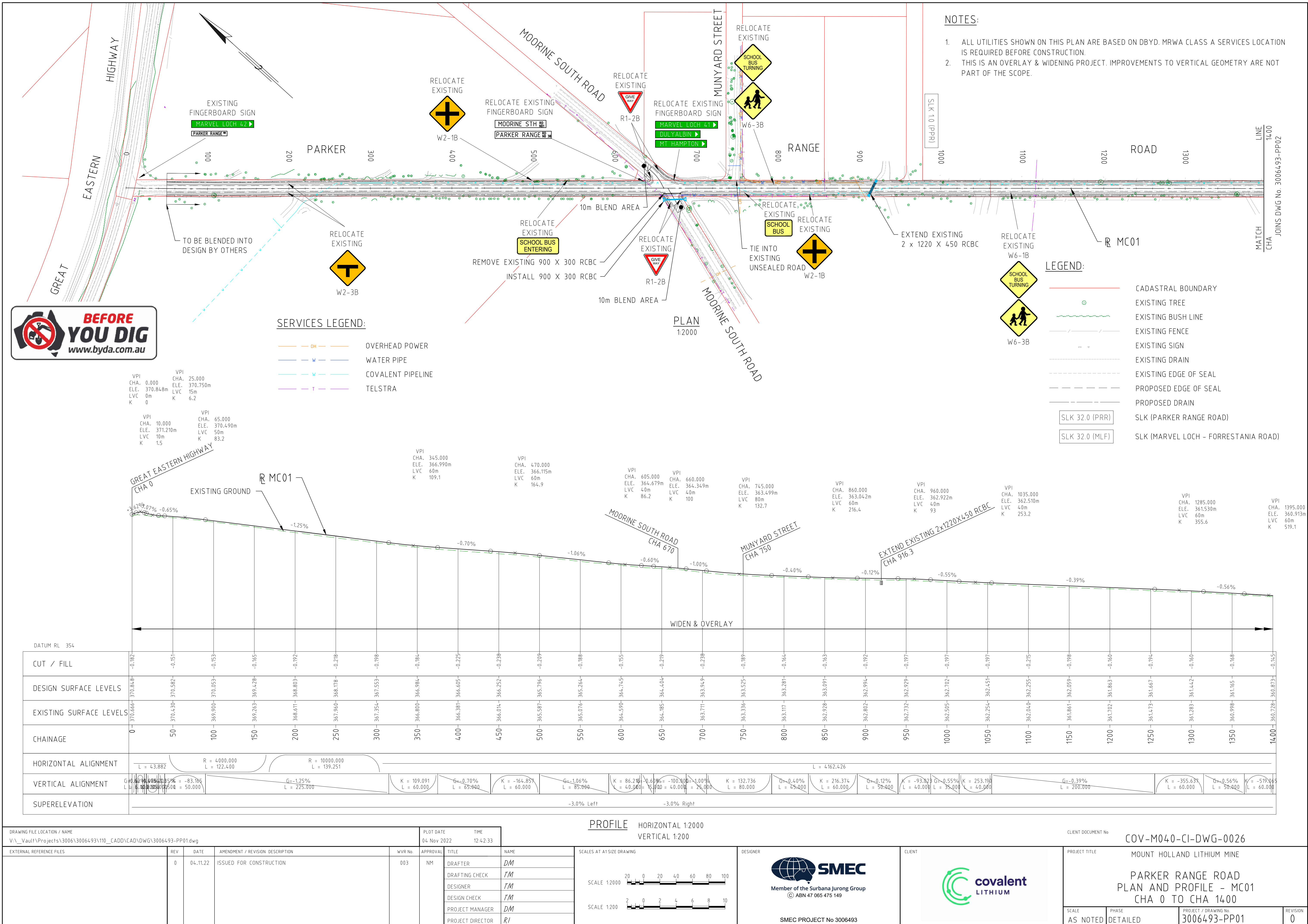
1.

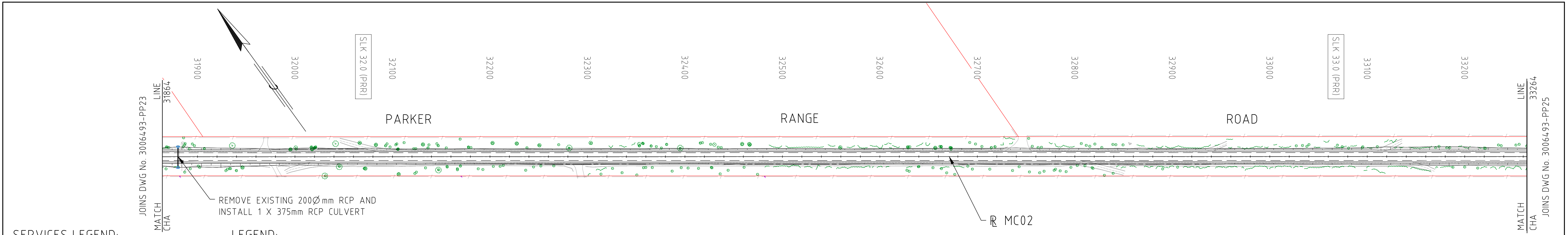
OFFSHOOT DRAINS LOCATIONS ARE INDICATIVE AND SHOULD BE CONFIRMED BY SUPERINTENDENT ON SITE. ALL NEW OFFSHOOT DRAINS AT SAG LOCATIONS TO BE CONSTRUCTED AT THE LOW POINT.
2.

FOR EXISTING OFFSHOOT DRAINS TO BE MAINTAINED: CLEAN OUT AND REGRADE EXISTING DRAINS AND TIE INTO PROPOSED BOTTOM OF DRAIN.
3.

FOR NEW PROPOSED OFFSHOOT DRAINS: CONSTRUCT OFFSHOOT DRAIN PERPENDICULAR TO THE CONTOURS WHEN POSSIBLE, OR FOLLOWING THE CONTOURS OTHERWISE. THE MINIMUM ANGLE BETWEEN THE ROAD AND THE OFFSHOOT DRAIN IS 27 DEGREES (1IN2).

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-TD20.dwg					PLOT DATE 07 Nov 2022		TIME 08:32:22		CLIENT DOCUMENT No COV-M040-CI-DWG-0019										
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	<div>DESIGNER</div> <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>	<div>CLIENT</div> <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE OFFSHOOT DRAINS - MC04 SHEET 6 OF 6							
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW				SCALE	PHASE DETAILED	PROJECT / DRAWING No 3006493-TD20	REVISION 0				
							DRAFTING CHECK	TM											
							DESIGNER	TM											
							DESIGN CHECK	TM											
							PROJECT MANAGER	DM											
							PROJECT DIRECTOR	RI											





SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- ⊙ EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN

- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)

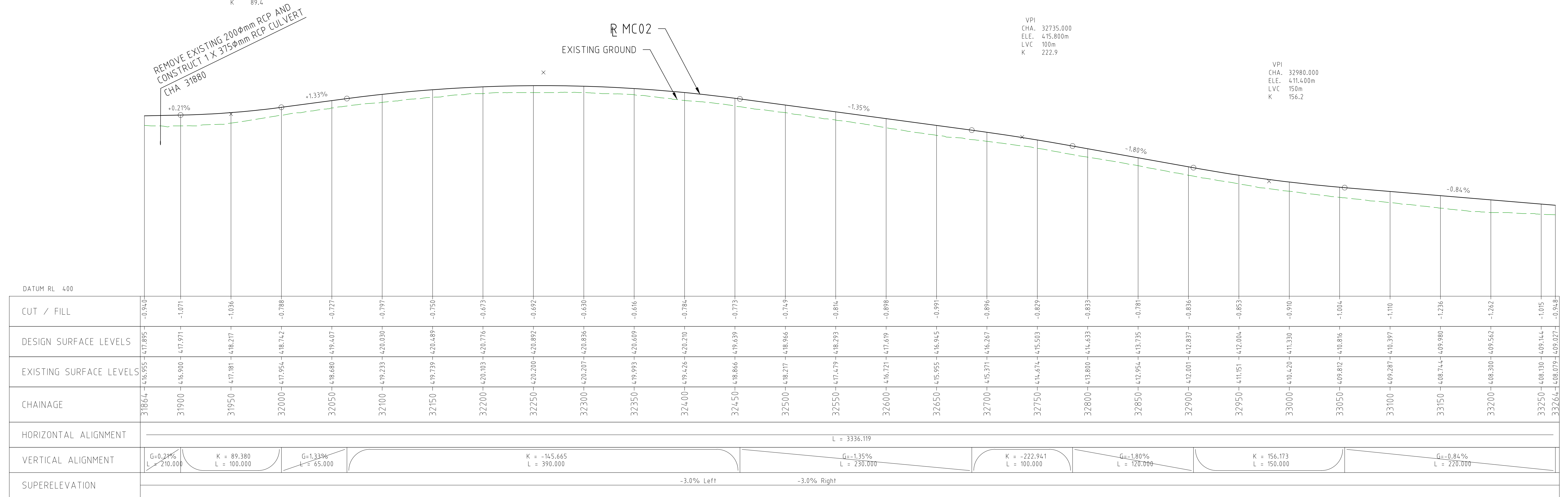


VPI
CHA. 31950.000
ELE. 418.077m
LVC 100m
K 89.4

VPI
CHA. 32260.000
ELE. 422.200m
LVC 390m
K 145.7

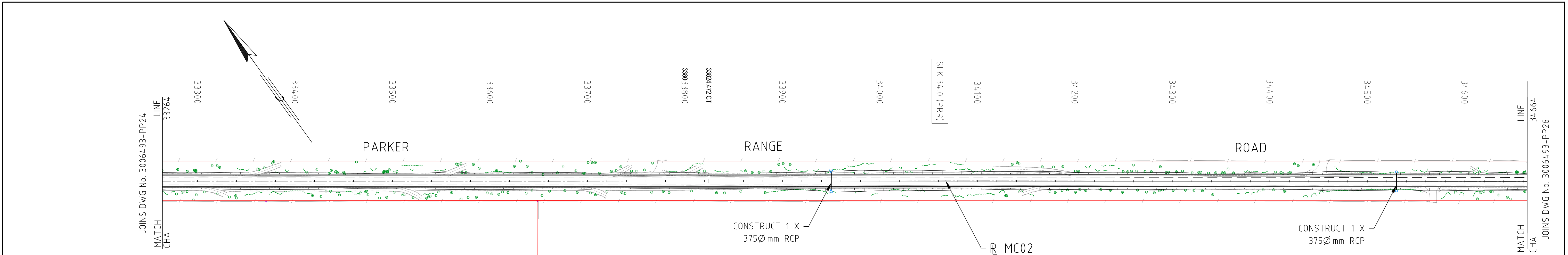
VPI
CHA. 32735.000
ELE. 415.800m
LVC 100m
K 222.9

VPI
CHA. 32980.000
ELE. 411.400m
LVC 150m
K 156.2



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP24.dwg				PLOT DATE 04 Nov 2022		TIME 14:10:00		CLIENT DOCUMENT No COV-M040-CI-DWG-0049			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000 SCALE 1:200	DESIGNER SMC Member of the Surbana Jurong Group © ABN 47 065 475 149	CLIENT covalent LITHIUM	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC02 CHA 31864 TO CHA 33264
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	DM				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI				
								SMC PROJECT No 3006493			
SCALE		PHASE		PROJECT / DRAWING No		REVISION					
AS NOTED		DETAILED		3006493-PP24		0					



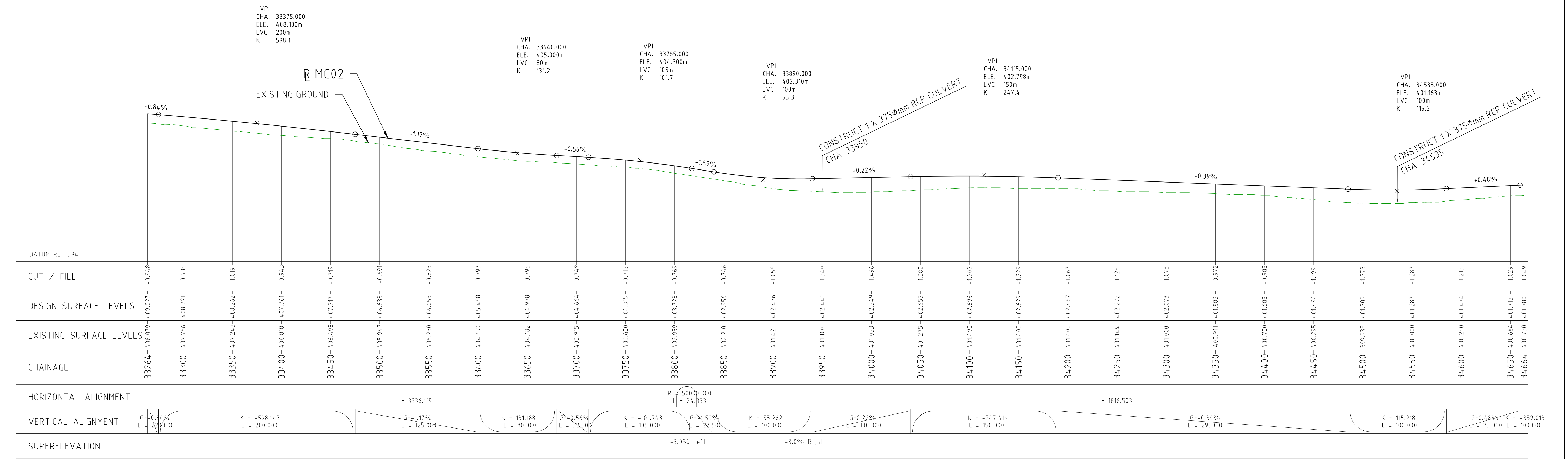
SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN

- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)



PROFILE HORIZONTAL 1:2000 VERTICAL 1:200

DRAWING FILE LOCATION / NAME
V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP25.dwg

EXTERNAL REFERENCE FILES

REV 0
DATE 04.11.22
AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION

WVR No 003

APPROVAL NM
DRAFTER DM
DRAFTING CHECK TM
DESIGNER DG
DESIGN CHECK TM
PROJECT MANAGER DM
PROJECT DIRECTOR RI

SCALE AT A1 SIZE DRAWING
SCALE 1:2000
SCALE 1:200


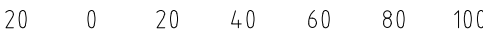
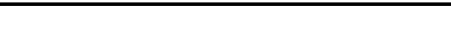

DESIGNER
SMC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
SMC PROJECT No 3006493

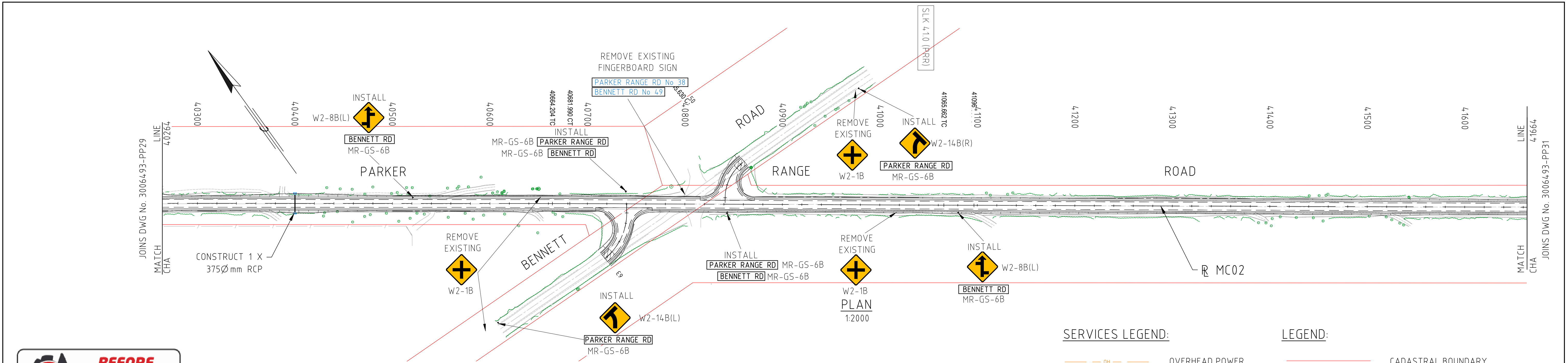
CLIENT
covalent LITHIUM

PROJECT TITLE
MOUNT HOLLAND LITHIUM MINE
PARKER RANGE ROAD
PLAN AND PROFILE - MC02
CHA 33264 TO CHA 34664

SCALE AS NOTED
PHASE DETAILED
PROJECT / DRAWING No 3006493-PP25
REVISION 0

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP27.dwg					PLOT DATE 04 Nov 2022		TIME 14:15:00		CLIENT DOCUMENT No COV-M040-CI-DWG-0052							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER DRAFTING CHECK DESIGNER DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME DM TM DG TM DM RI	SCALES AT A1 SIZE DRAWING SCALE 1:2000 SCALE 1:200		DESIGNER SMEC Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT covalent LITHIUM		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC02 CHA 36064 TO CHA 37464	
		SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP27		REVISION 0								

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP29.dwg					PLOT DATE 04 Nov 2022		TIME 14:19:12		CLIENT DOCUMENT No COV-M040-CI-DWG-0054						
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER DM DRAFTING CHECK TM DESIGNER DG DESIGN CHECK TM PROJECT MANAGER DM PROJECT DIRECTOR RI	SCALES AT A1 SIZE DRAWING <div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC02 CHA 38864 TO CHA 40264 <div>SCALE AS NOTED</div> <div>PHASE DETAILED</div> <div>PROJECT / DRAWING No 3006493-PP29</div> <div>REVISION 0</div>	



VPI
CHA. 40345.000
ELE. 428.158m
LVC 150m
K 108.9

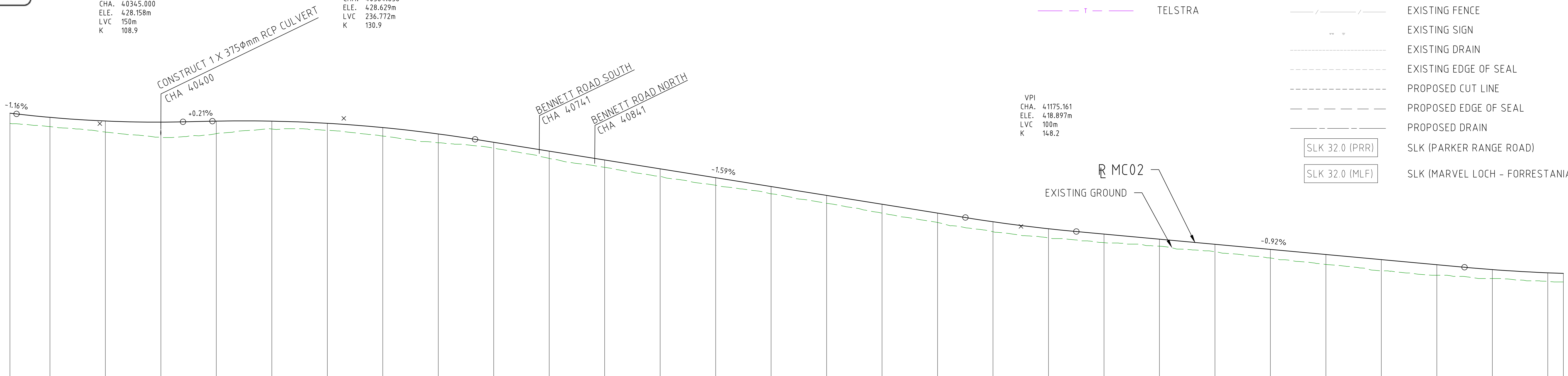
VPI
CHA. 40564.856
ELE. 428.629m
LVC 236.772m
K 130.9

SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



DATUM RL 404

CUT / FILL	-0.924	-0.836	-0.997	-1.361	-1.125	-0.710	-0.642	-0.765	-0.794	-0.524	-0.658	-0.662	-0.681	-0.680	-0.650	-0.713	-0.796	-0.845	-0.904	-0.821	-0.774	-0.631	-0.667	-0.776	-0.897	-1.010	-0.950	-0.811	-0.771	-0.766	
DESIGN SURFACE LEVELS	429.100	428.722	428.393	428.294	428.382	428.380	428.188	427.804	427.229	426.474	425.677	424.879	424.082	423.285	422.488	421.690	420.893	420.096	419.299	418.499	417.699	416.899	416.099	415.299	414.499	413.699	412.899	412.099	411.299	410.499	
EXISTING SURFACE LEVELS	428.175	427.886	427.396	426.933	427.257	427.671	427.546	427.039	426.435	425.950	425.018	424.218	423.401	422.605	421.837	421.097	420.297	419.251	418.416	417.869	417.435	416.622	415.829	415.053	414.200	413.500	412.800	412.100	411.400	410.700	
CHAINAGE	40264	40300	40350	40400	40450	40500	40550	40600	40650	40700	40750	40800	40850	40900	40950	41000	41050	41100	41150	41200	41250	41300	41350	41400	41450	41500	41550	41600	41650	41664	
HORIZONTAL ALIGNMENT	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>																														
VERTICAL ALIGNMENT	<div><div><div><div>G₁ = 1.18% L = 85.000</div><div>K = 108.899 L = 150.000</div><div>G₂ = 0.21% L = 26.470</div></div><div><div>K = -130.894 L = 236.772</div><div>G₃ = -1.59% L = 441.919</div><div>K = 148.202 L = 100.000</div><div>G₄ = -0.92% L = 349.839</div><div>K = 149.435 L = 200.000</div></div></div></div>																														
SUPERELEVATION	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>																														

PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME
V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP30.dwg

EXTERNAL REFERENCE FILES

REV
0

DATE
04.11.22

AMENDMENT / REVISION DESCRIPTION
ISSUED FOR CONSTRUCTION

WVR No
003

APPROVAL
NM

TITLE
DRAFTER
DESIGNER
DESIGN CHECK
PROJECT MANAGER
PROJECT DIRECTOR

NAME
DM
DG
TM
DM
RI

SCALE 1:2000
SCALE 1:200

DESIGNER
SMC
Member of the Surbana Jurong Group
© ABN 47 065 475 149

CLIENT
covalent LITHIUM

PROJECT TITLE
MOUNT HOLLAND LITHIUM MINE
PARKER RANGE ROAD
PLAN AND PROFILE - MC02
CHA 40264 TO CHA 41664

SCALE
AS NOTED

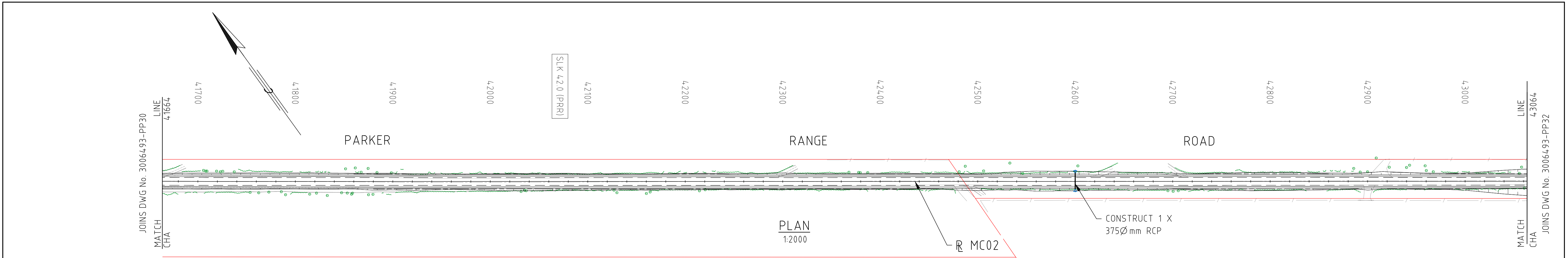
PHASE
DETAILED

PROJECT / DRAWING No
3006493-PP30

REVISION
0

CLIENT DOCUMENT No
COV-M040-CI-DWG-0055

SMC PROJECT No 3006493



SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
 - EXISTING TREE
 - EXISTING BUSH LINE
 - EXISTING FENCE
 - EXISTING SIGN
 - EXISTING DRAIN
 - EXISTING EDGE OF SEAL
 - PROPOSED CUT LINE
 - PROPOSED EDGE OF SEAL
 - PROPOSED DRAIN
- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)



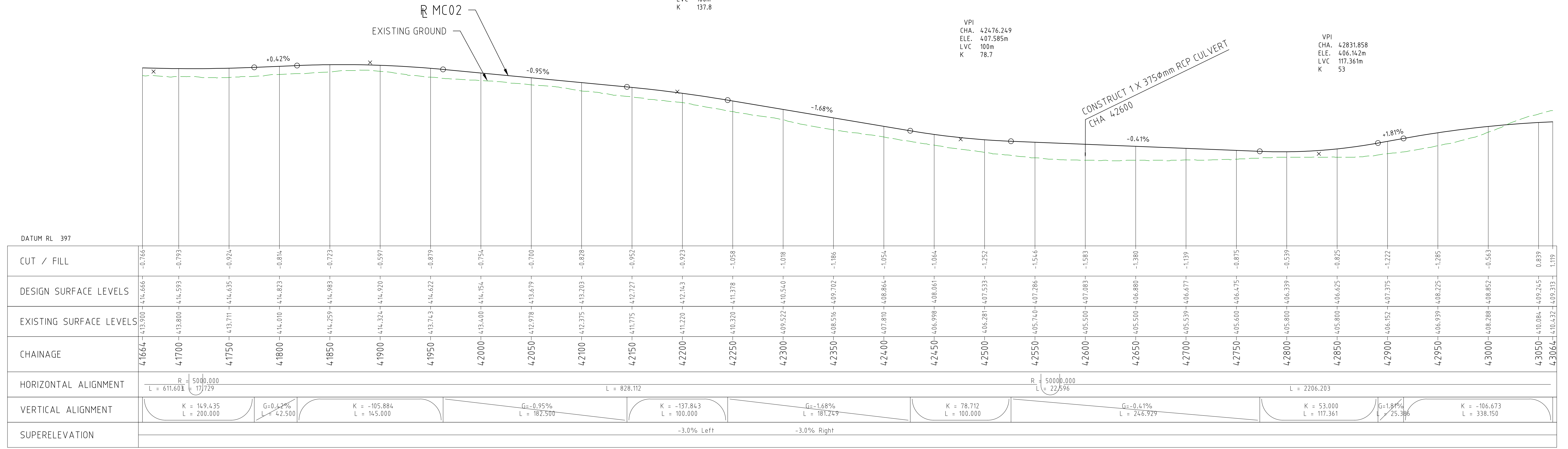
VPI
CHA. 41675.000
ELE. 414.300m
LVC 200m
K 149.4

CHA. 41890.000
ELE. 415.200m
LVC 145m
K 105.9

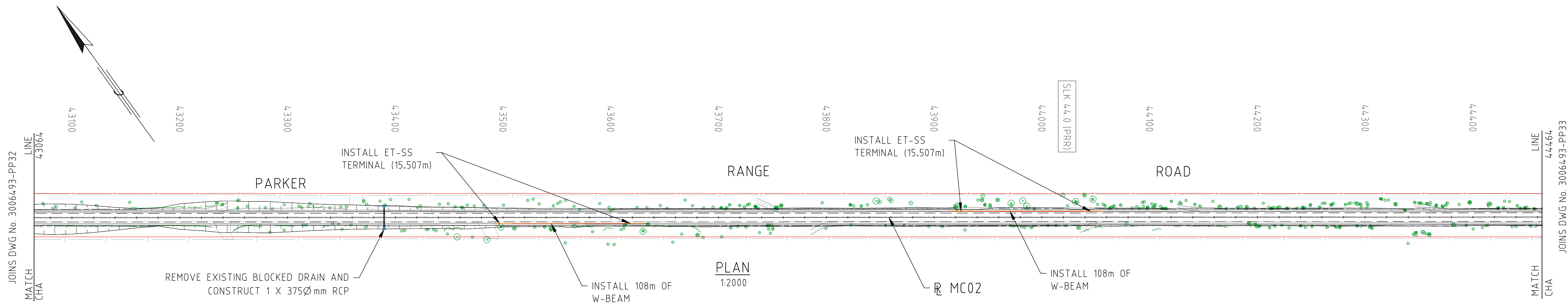
VPI
CHA. 42195.000
ELE. 412.300m
LVC 100m
K 137.8

VPI
CHA. 42476.249
ELE. 407.585m
LVC 100m
K 78.7

VPI
CHA. 42831.858
ELE. 406.142m
LVC 117.361m
K 53



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP31.dwg				PLOT DATE 04 Nov 2022		TIME 14:23:52		CLIENT DOCUMENT No COV-M040-CI-DWG-0056			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000 SCALE 1:200			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	DM				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493			
								CLIENT 			
PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC02 CHA 41664 TO CHA 43064								PROJECT / DRAWING No 3006493-PP31			
SCALE AS NOTED		PHASE DETAILED		REVISION 0							

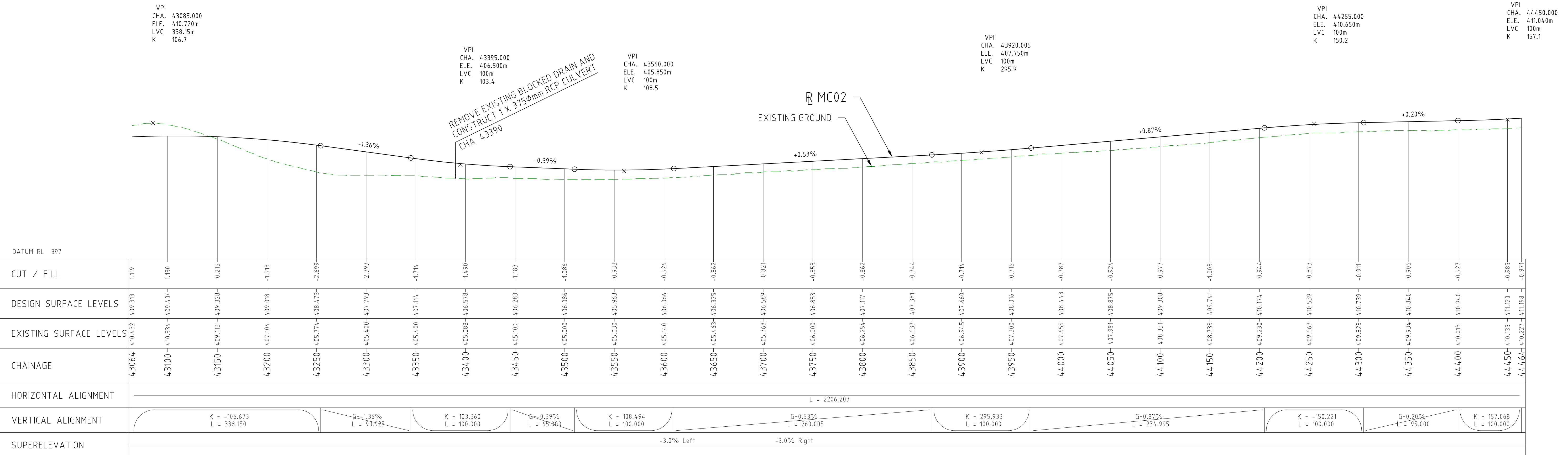






SERVICES LEGEND:





- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

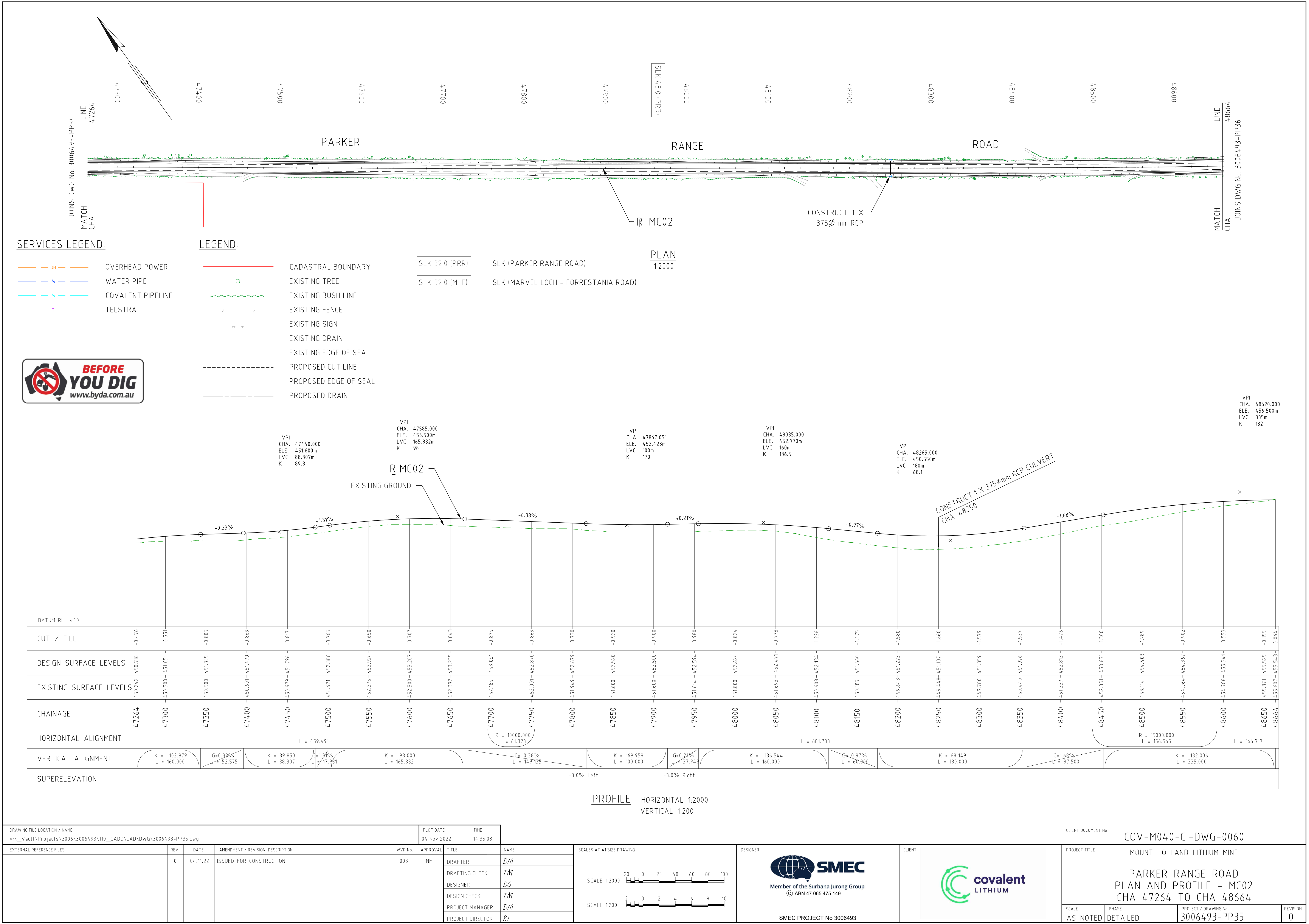
LEGEND:

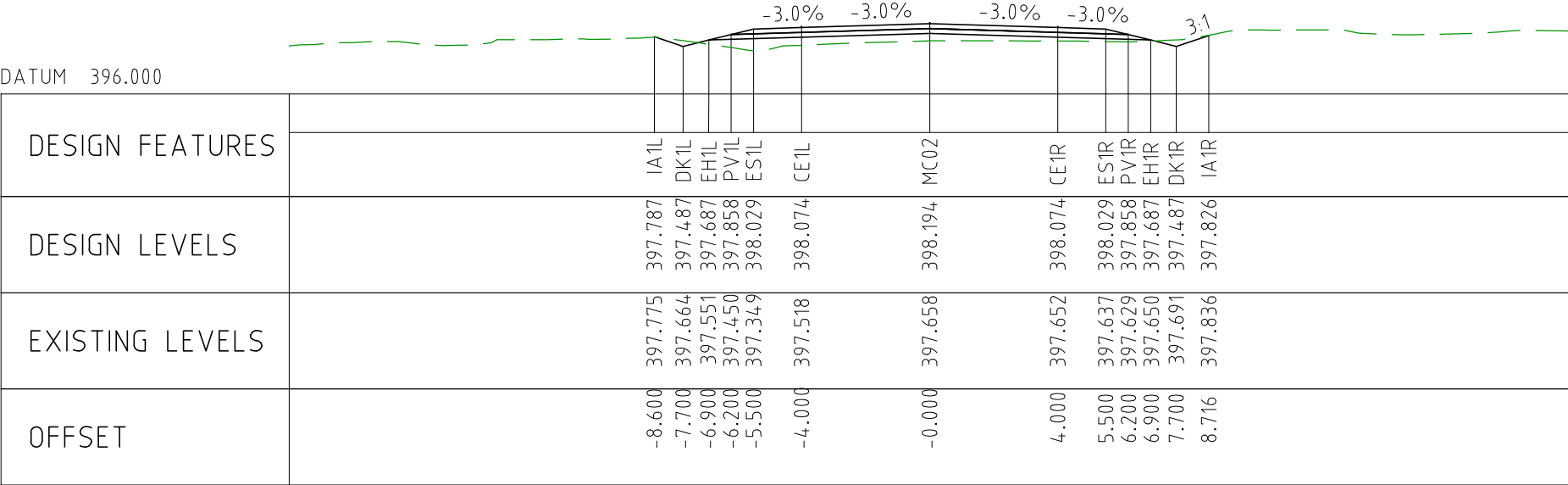
- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN



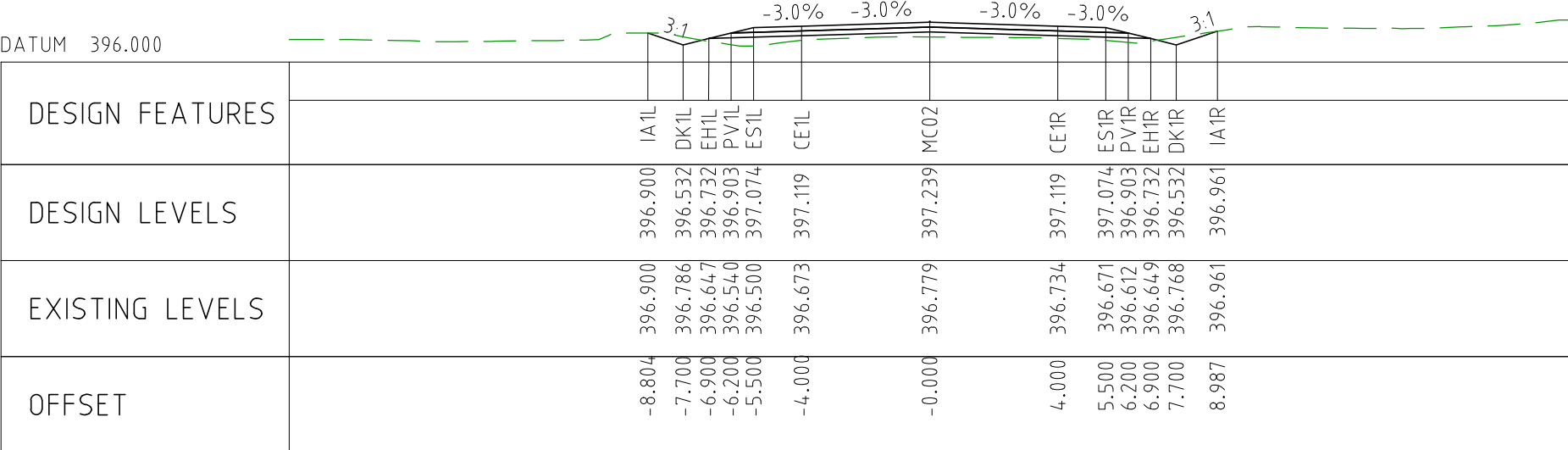
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP32.dwg					PLOT DATE 07 Nov 2022		TIME 13:08:36		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0057						
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 			DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC02 CHA 43064 TO CHA 44464			
												SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP32		REVISION 0	

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP33.dwg					PLOT DATE 04 Nov 2022		TIME 14:29:13		VERTICAL 1:200		CLIENT DOCUMENT No		COV-M040-CI-DWG-0058		
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER DM DRAFTING CHECK TM DESIGNER DG DESIGN CHECK TM PROJECT MANAGER DM PROJECT DIRECTOR RI	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC02 CHA 44464 TO CHA 45864	
												SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP33	REVISION 0

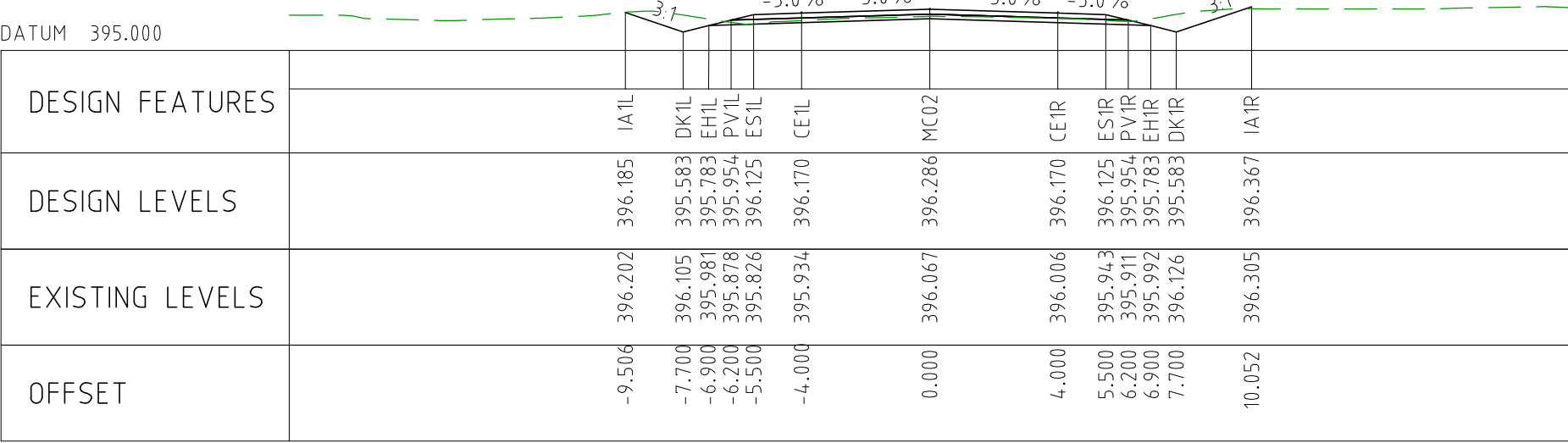




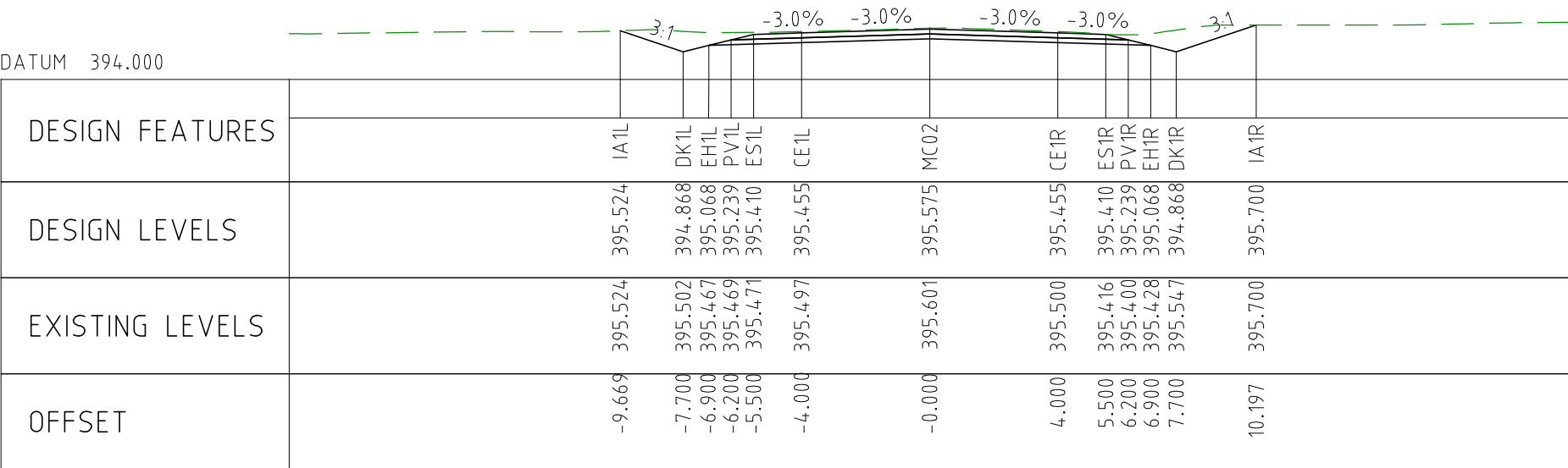
CHAINAGE 30650



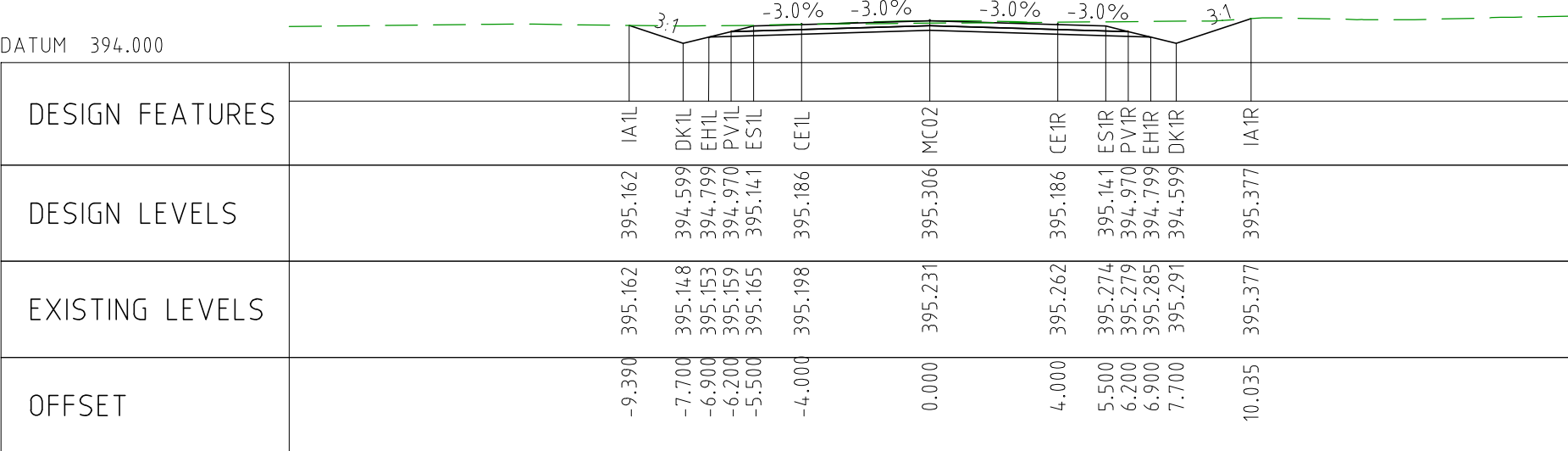
CHAINAGE 30600



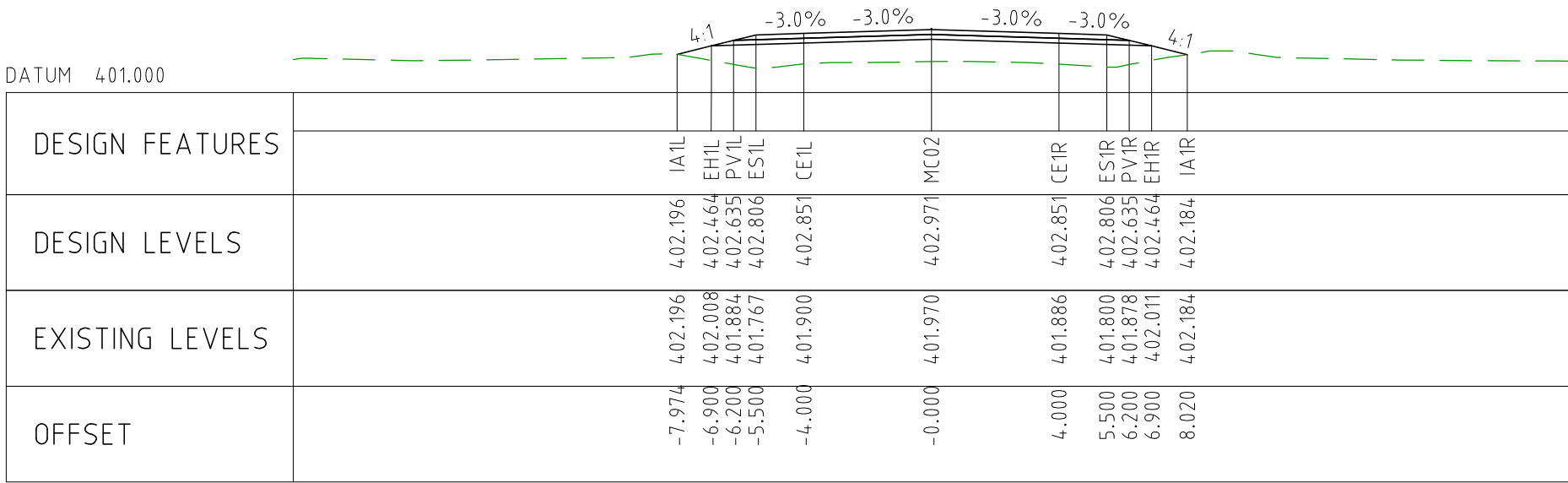
CHAINAGE 30550



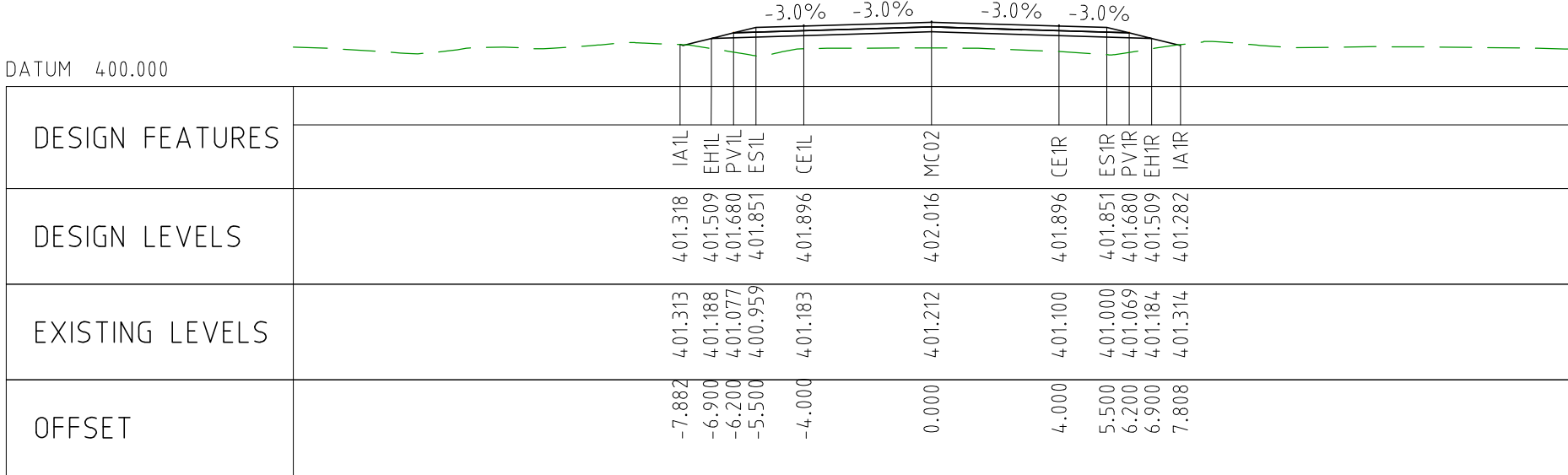
CHAINAGE 30500



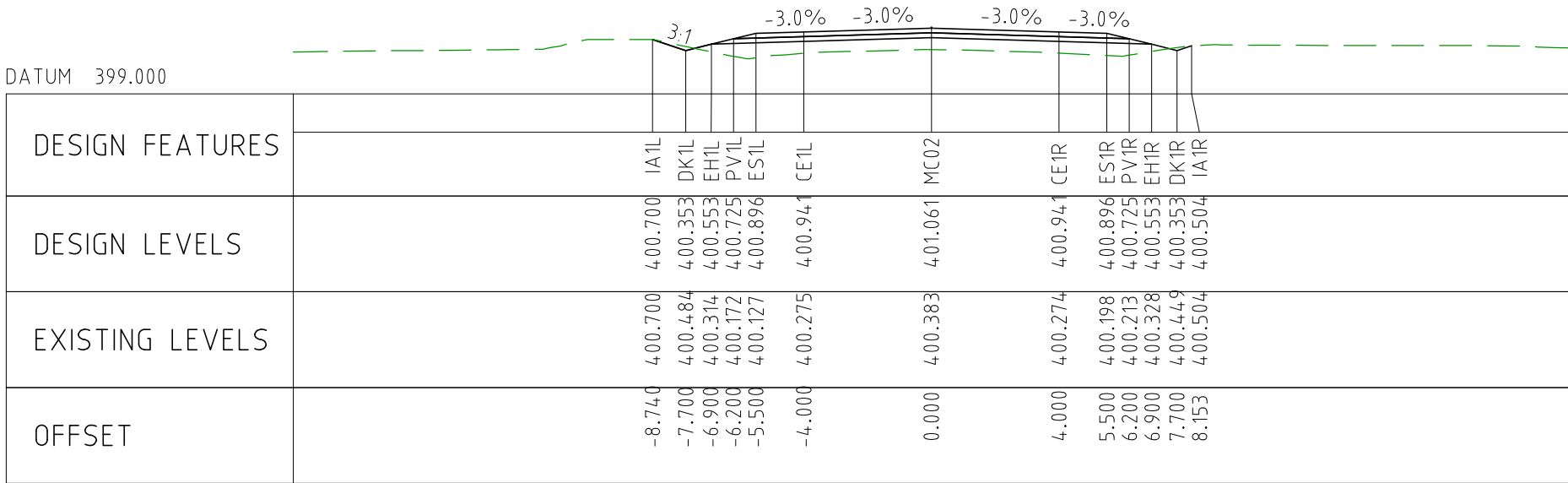
CHAINAGE 30464



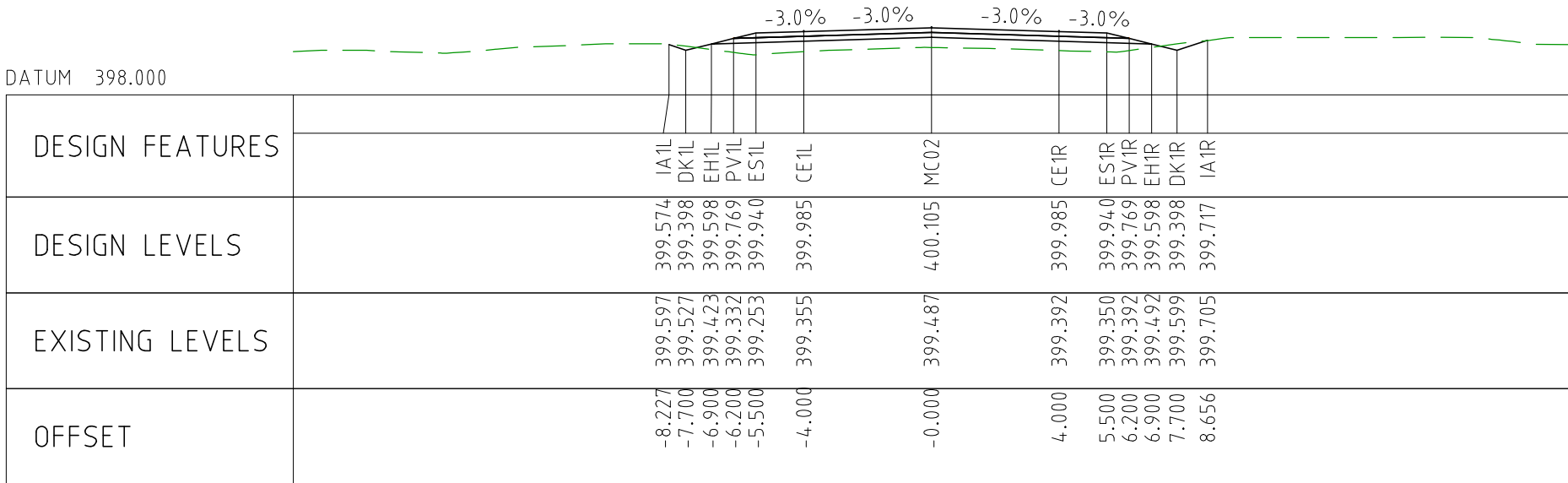
CHAINAGE 30900



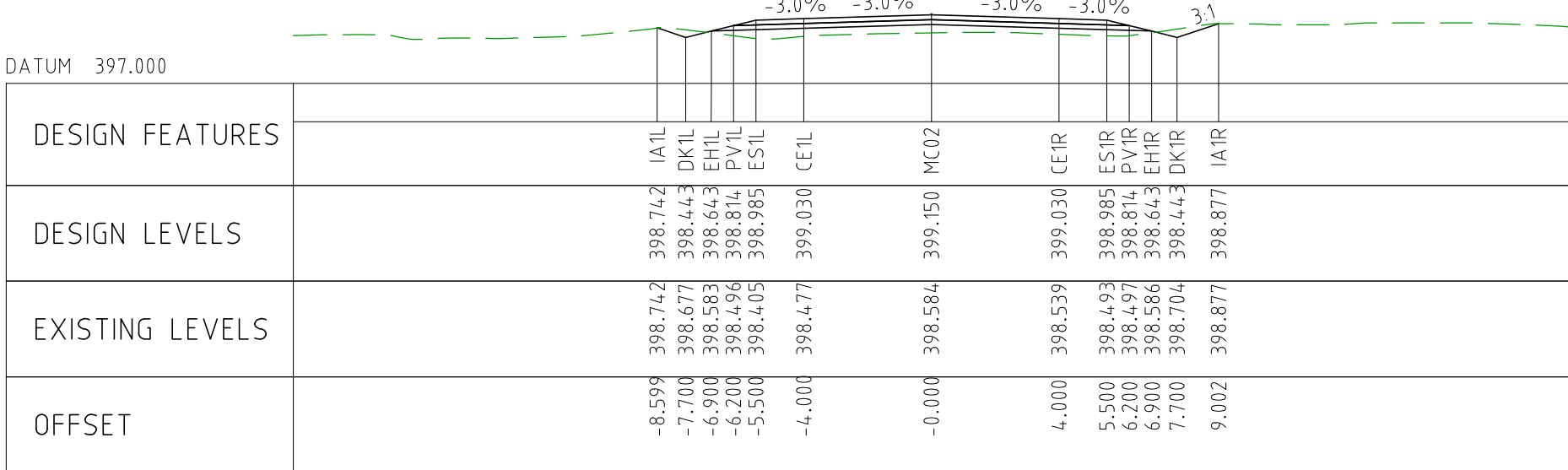
CHAINAGE 30850



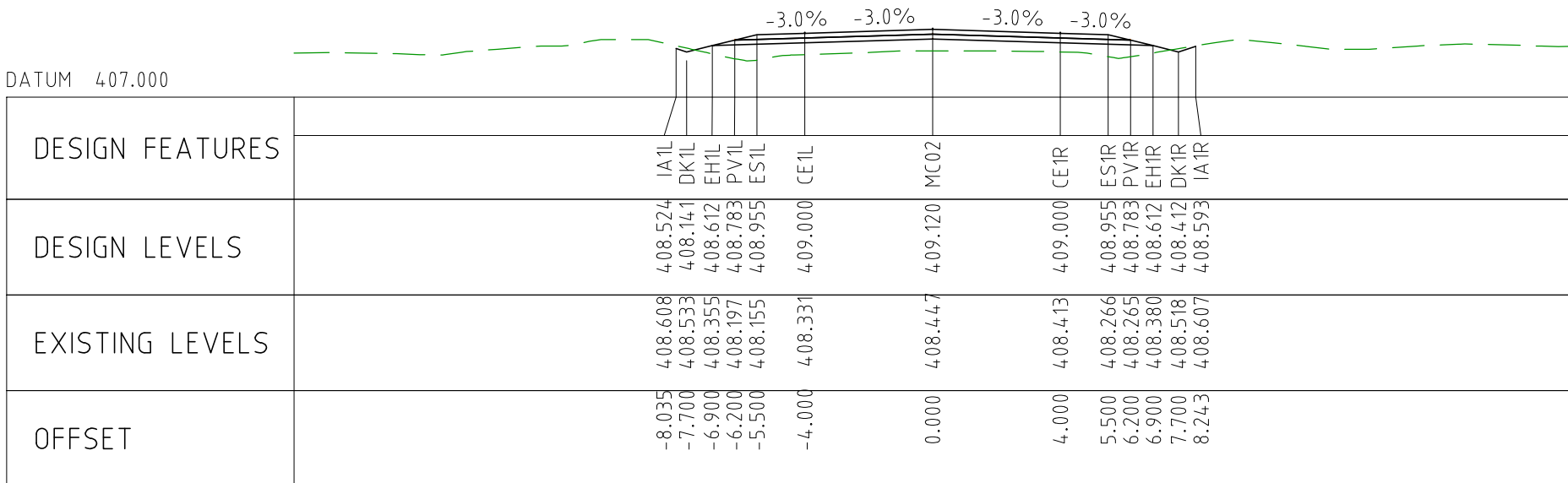
CHAINAGE 30800



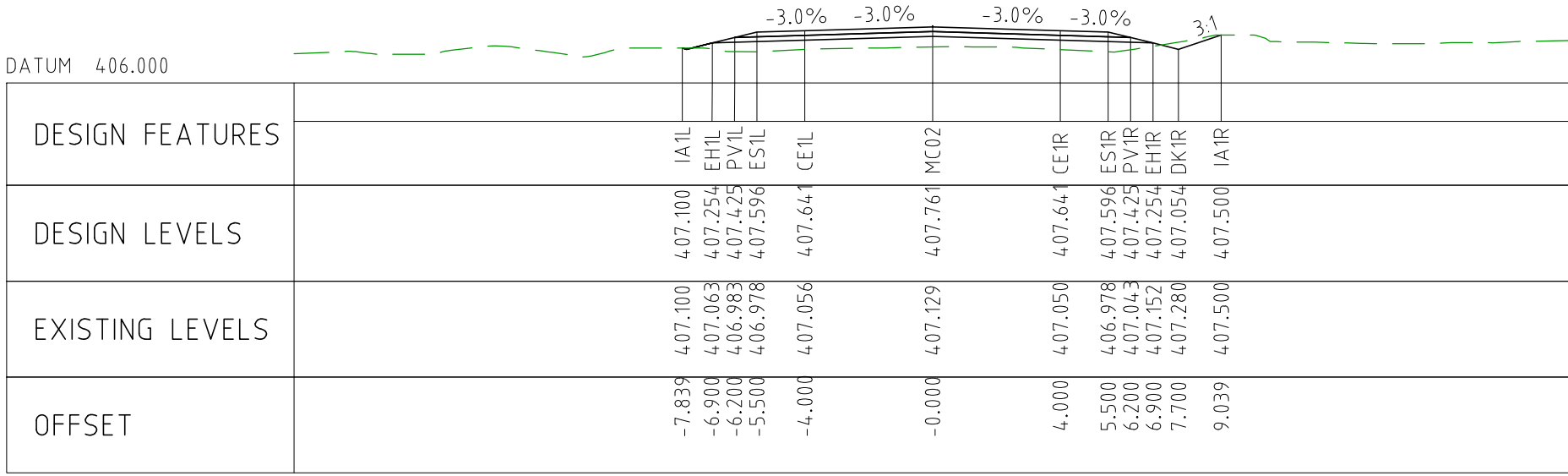
CHAINAGE 30750



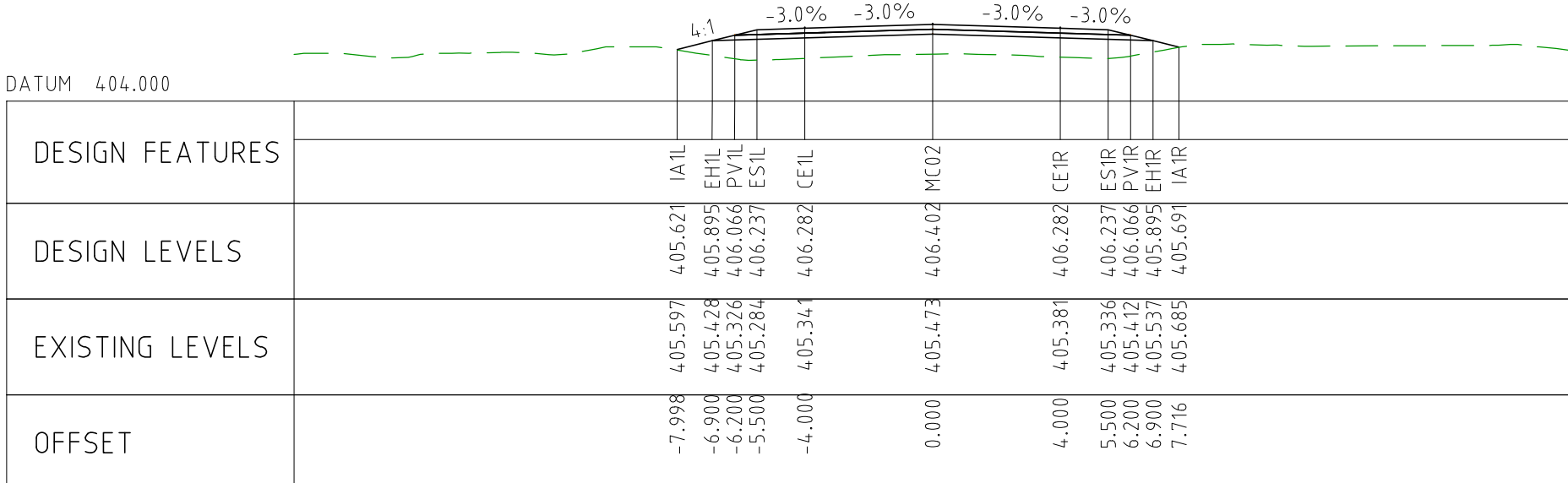
CHAINAGE 30700



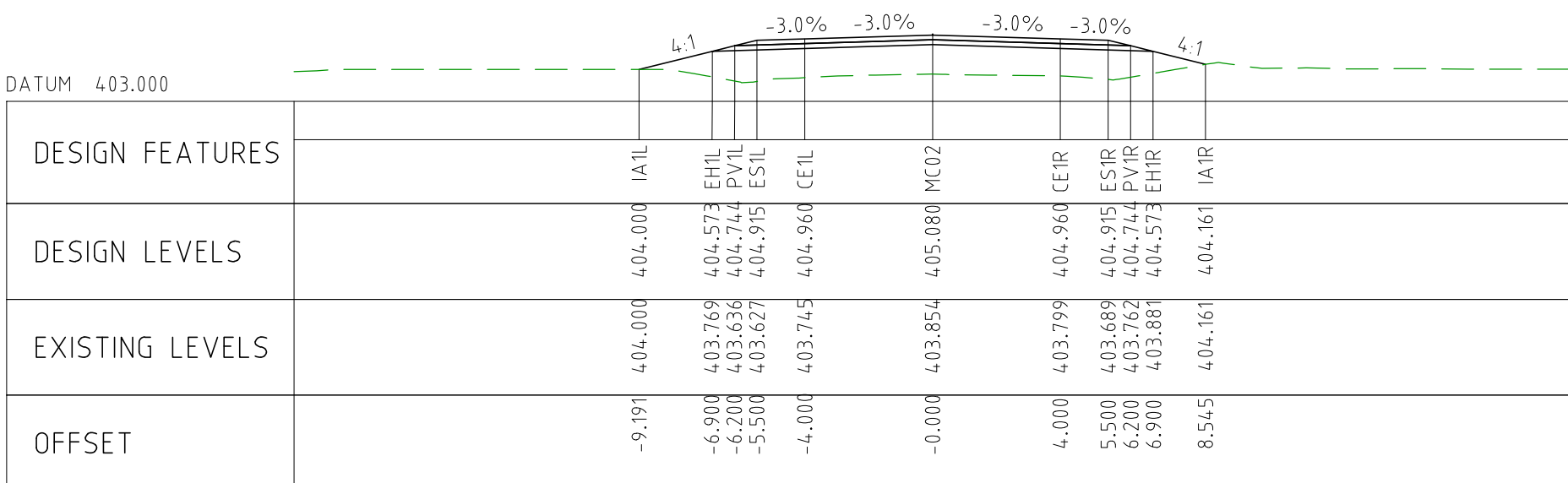
CHAINAGE 31150



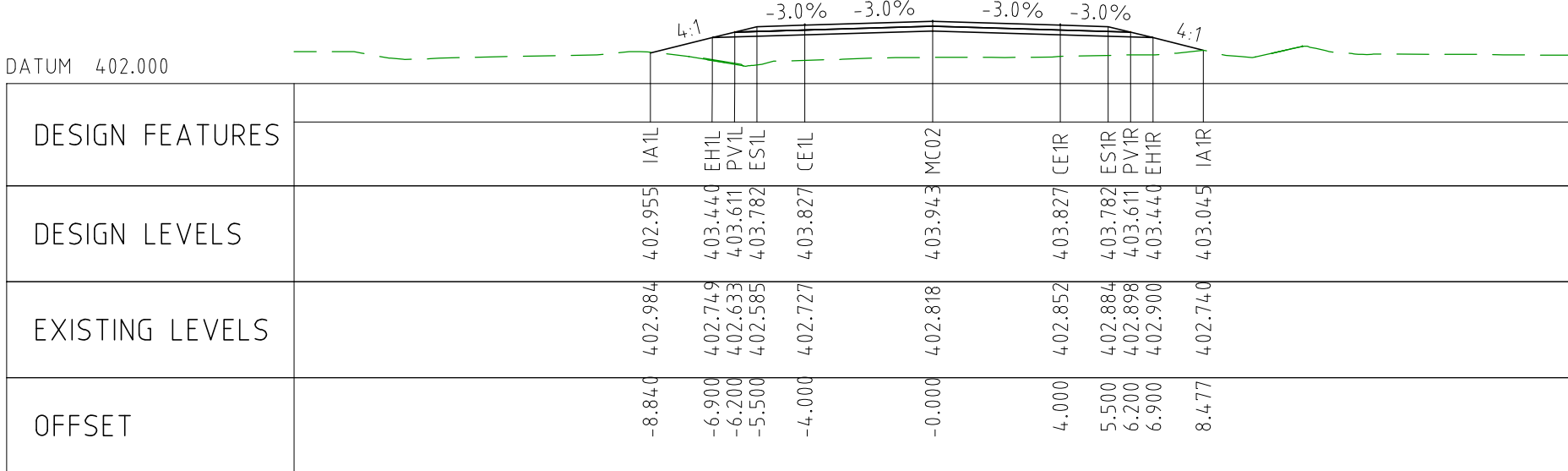
CHAINAGE 31100



CHAINAGE 31050

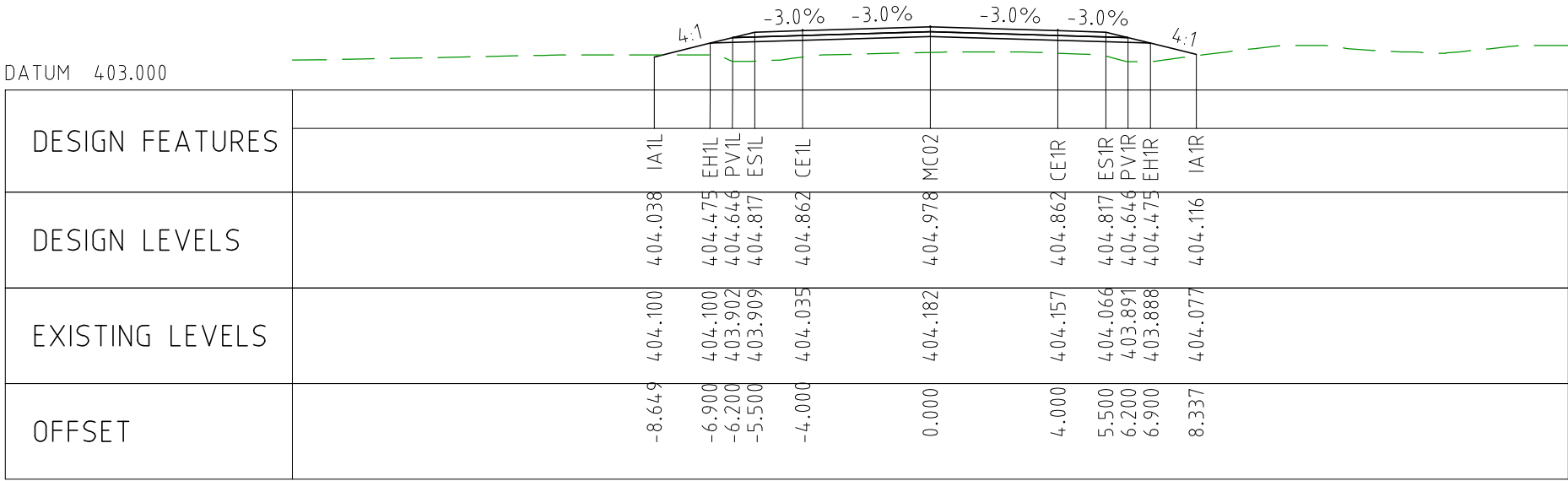


CHAINAGE 31000

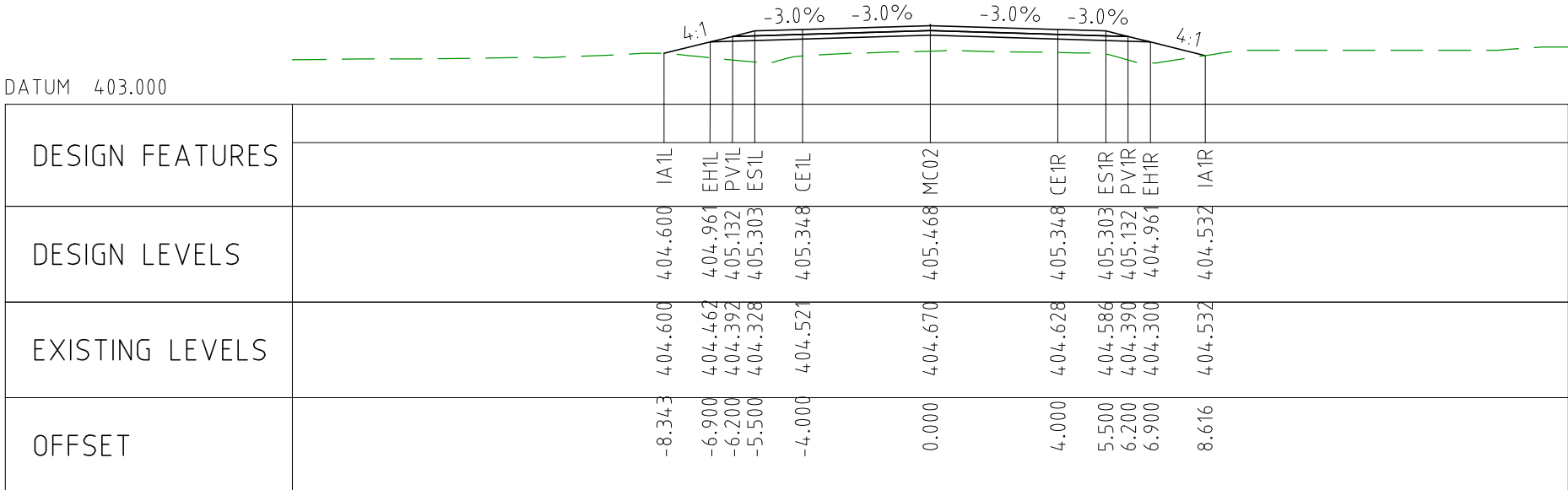


CHAINAGE 30950

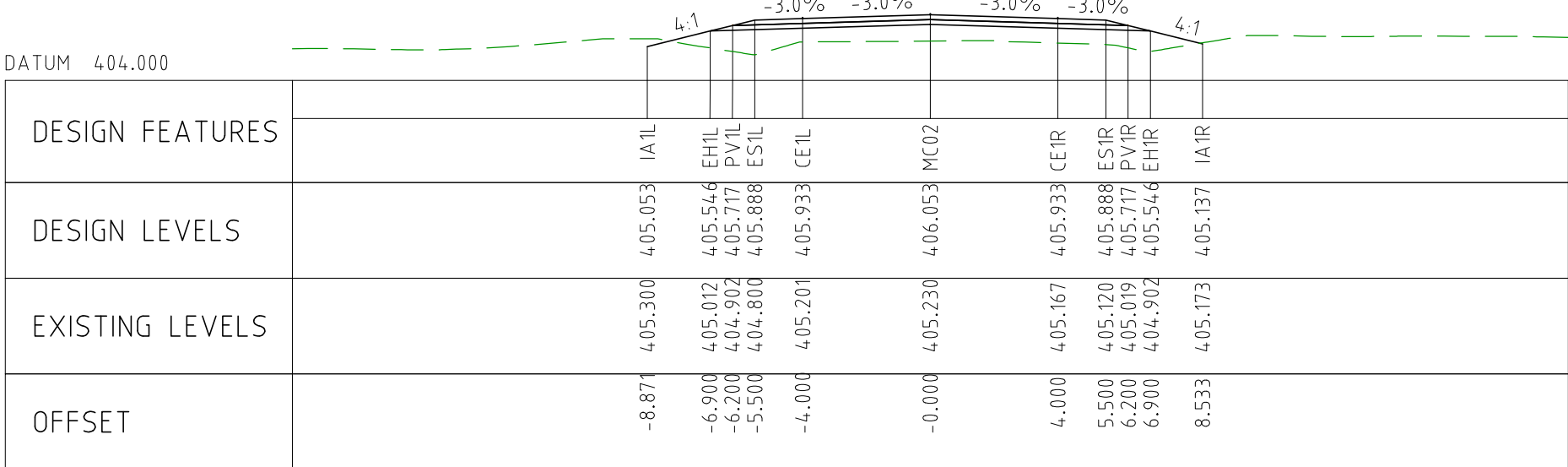
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS42.dwg					PLOT DATE 04 Nov 2022		TIME 15:48:31		CLIENT DOCUMENT No COV-M040-CI-DWG-0154										
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE				
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW					MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 1 OF 27						
							DRAFTING CHECK	TM											
							DESIGNER	DG											
							DESIGN CHECK	TM											
							PROJECT MANAGER	DM											
						PROJECT DIRECTOR	RI	SMEC PROJECT No 3006493				SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS42		REVISION 0	



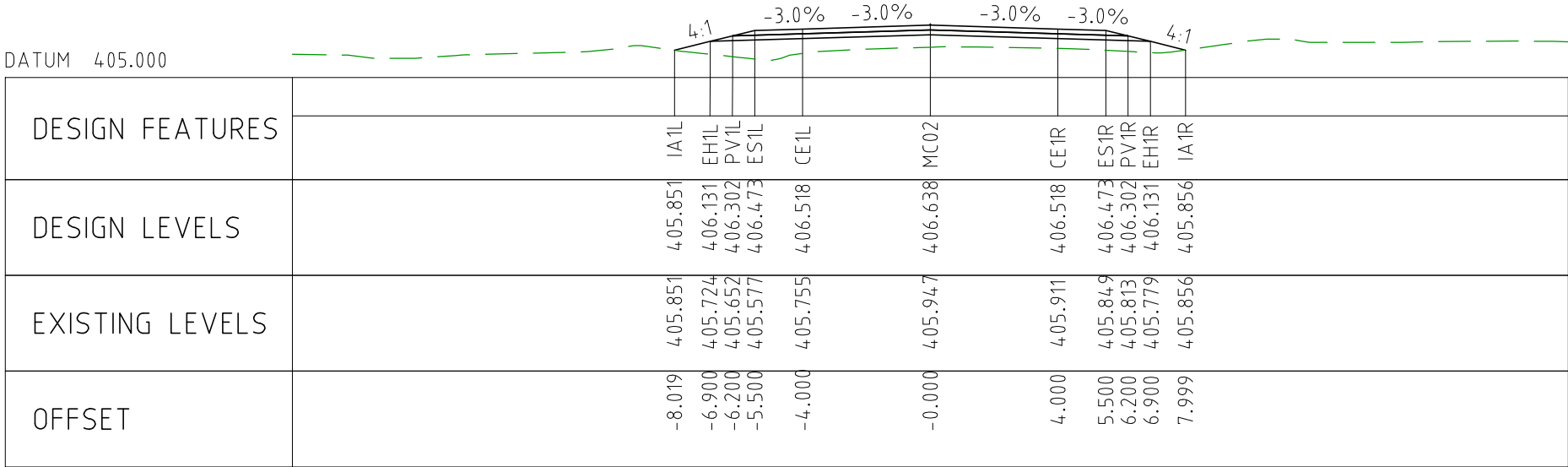
CHAINAGE 33650



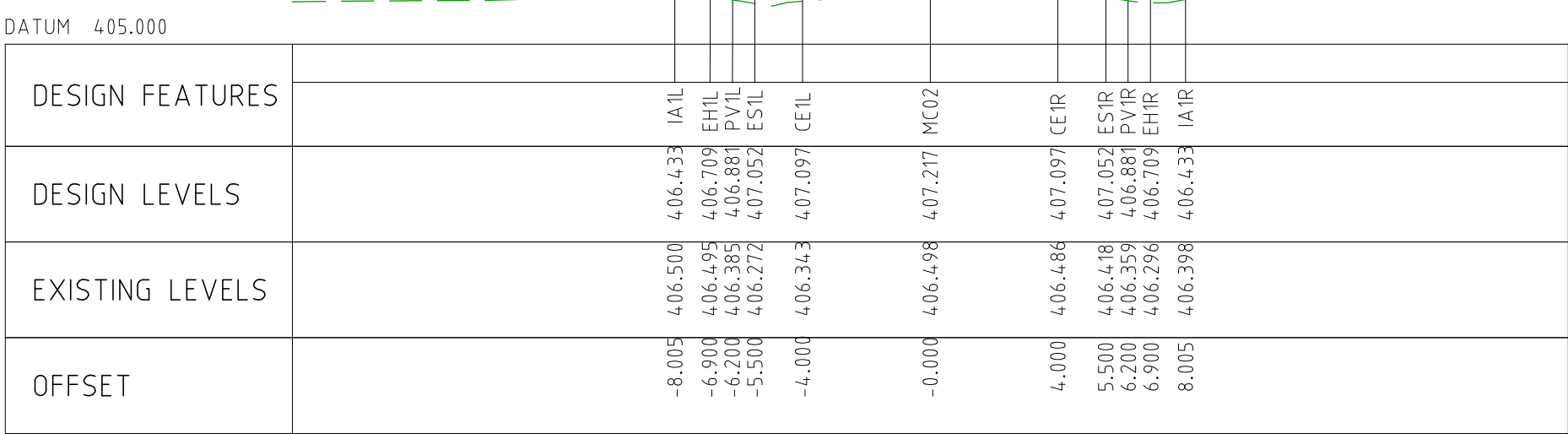
CHAINAGE 33600



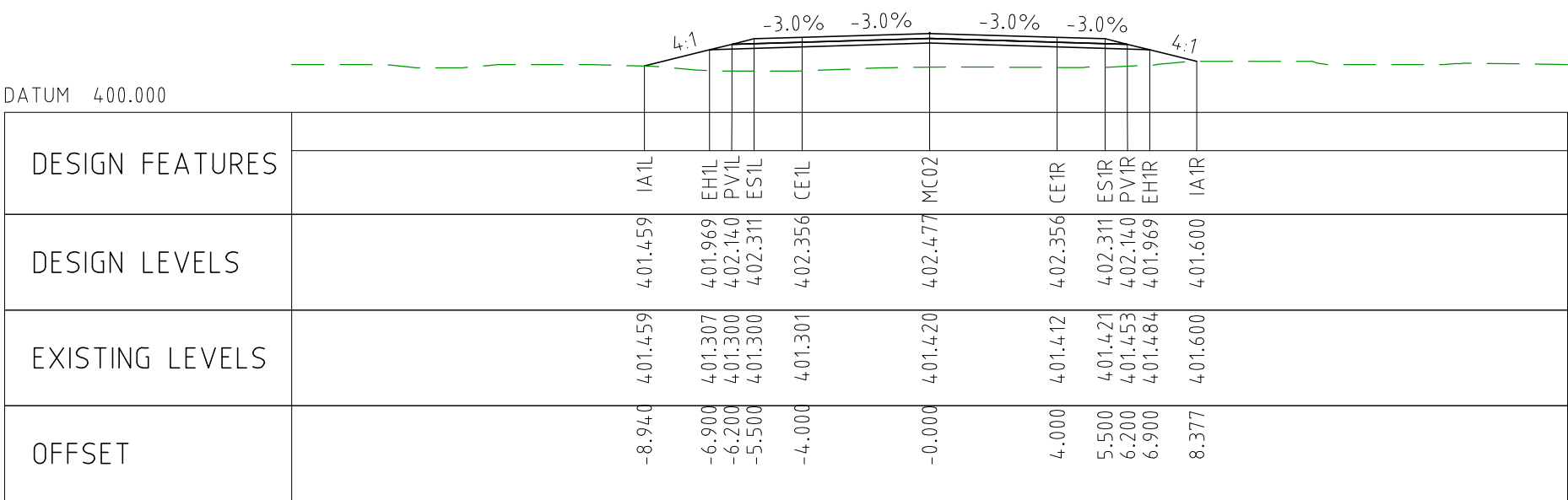
CHAINAGE 33550



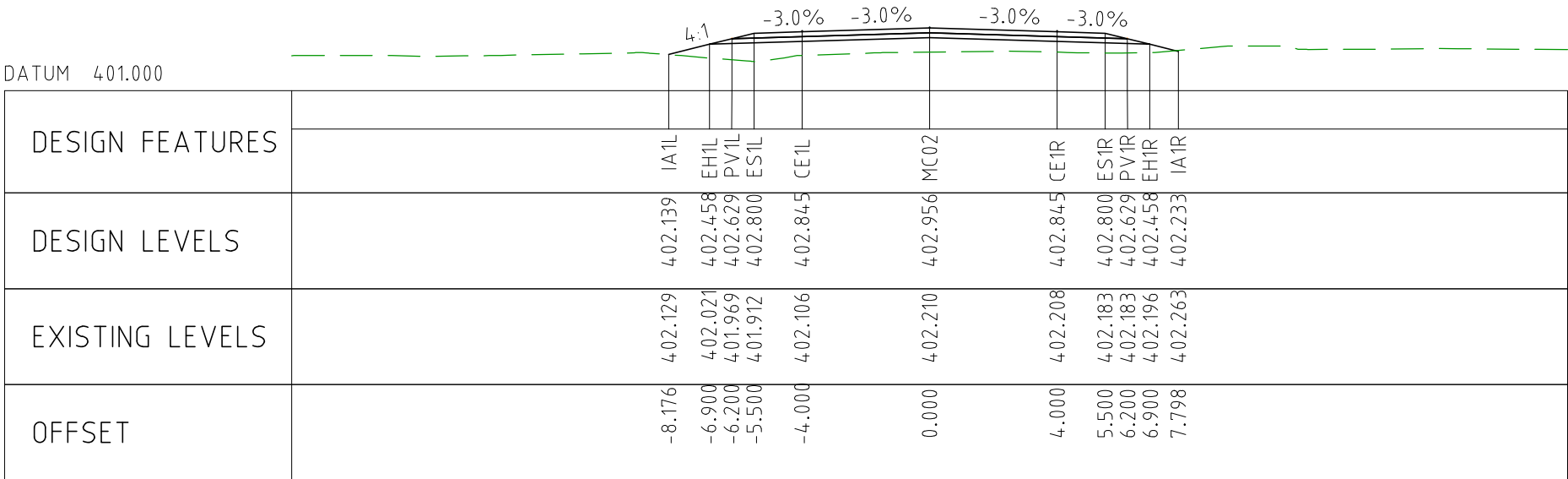
CHAINAGE 33500



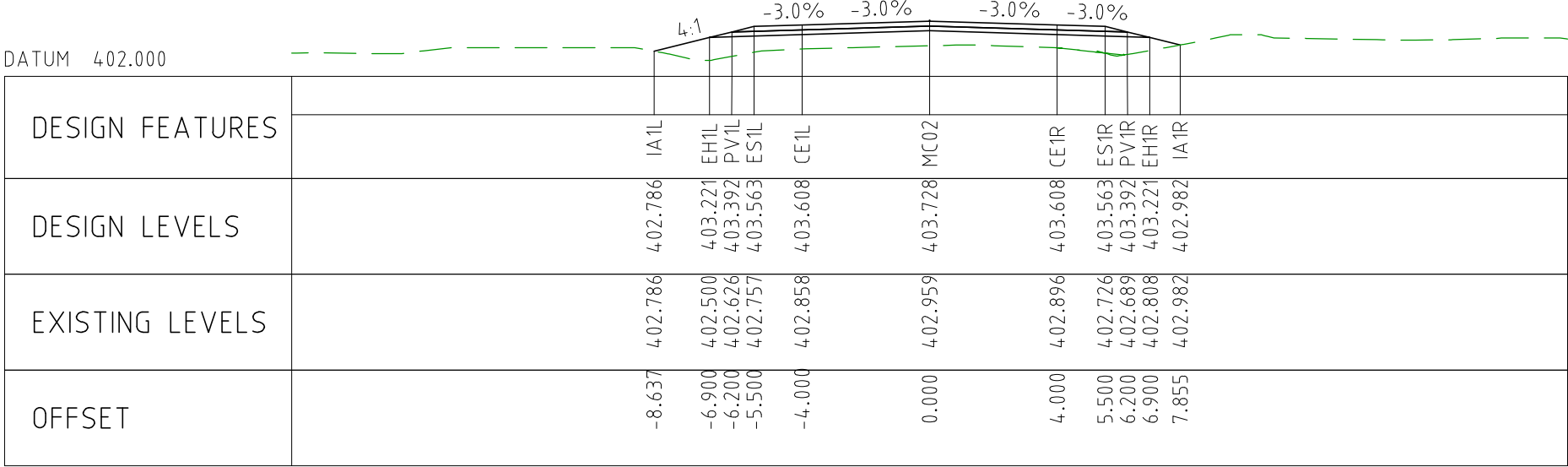
CHAINAGE 33450



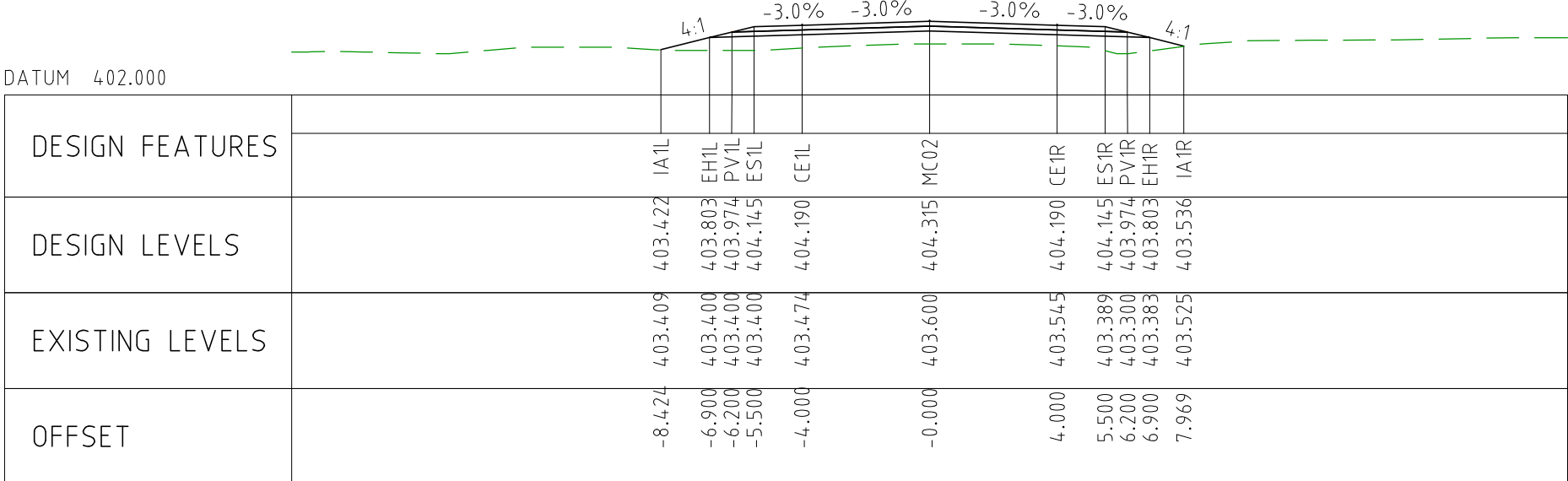
CHAINAGE 33900



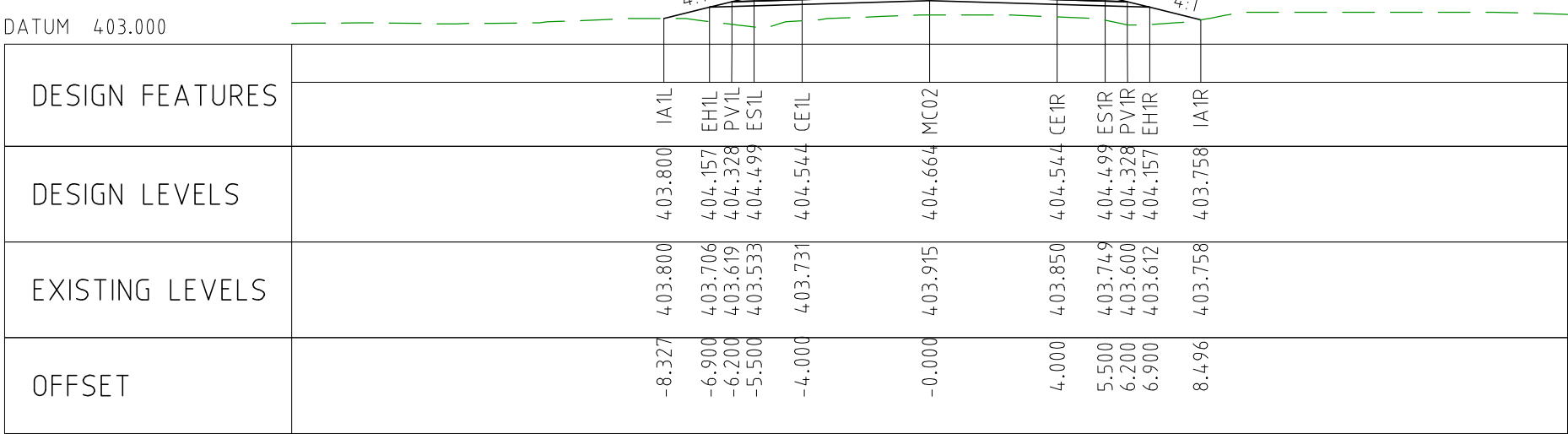
CHAINAGE 33850



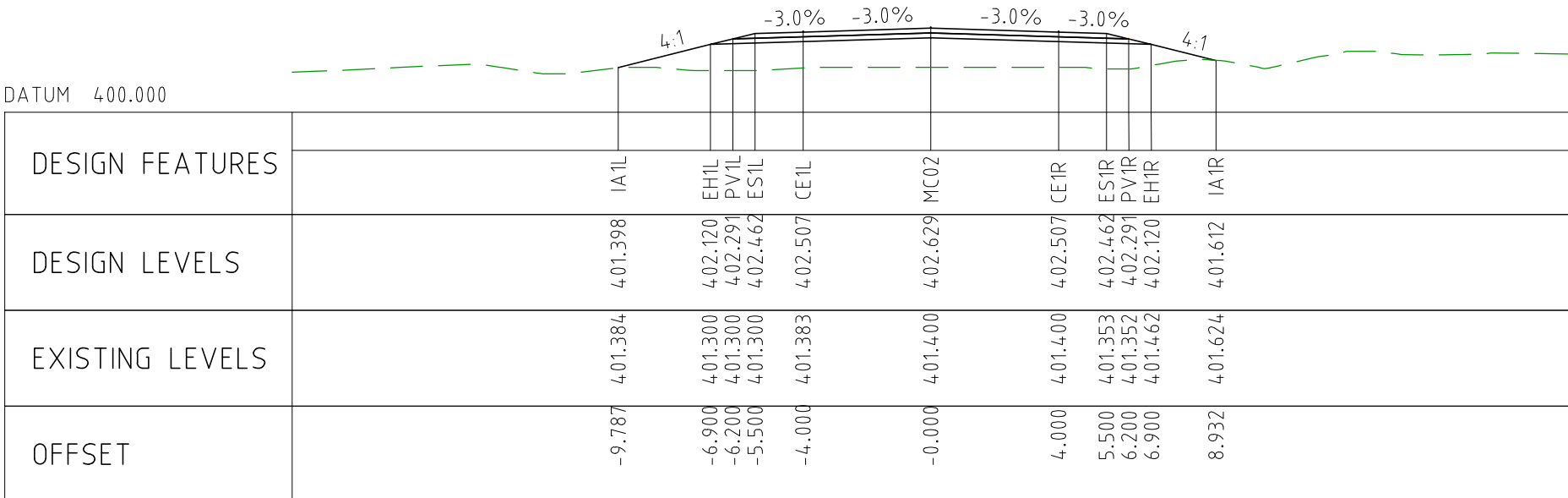
CHAINAGE 33800



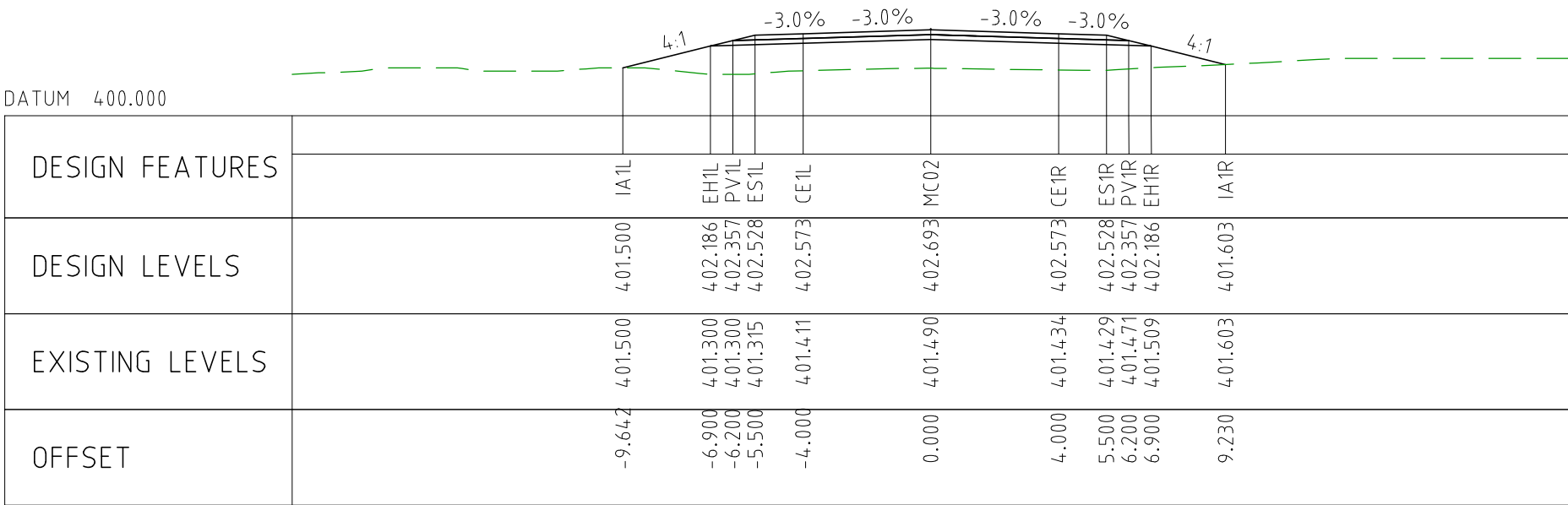
CHAINAGE 33750



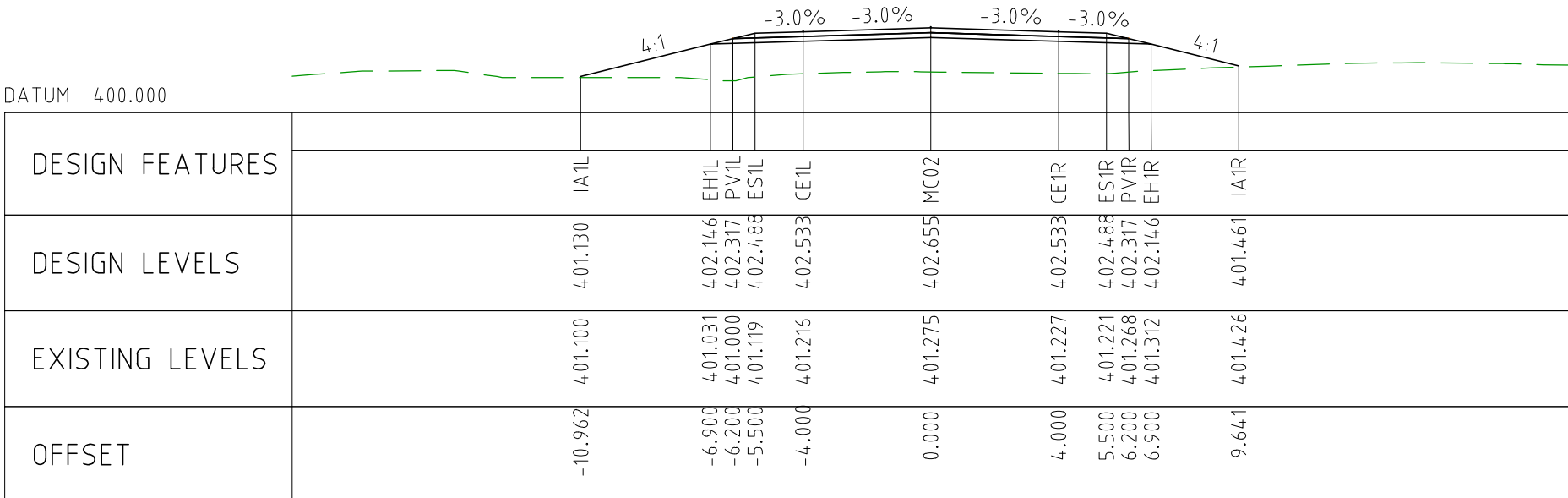
CHAINAGE 33700



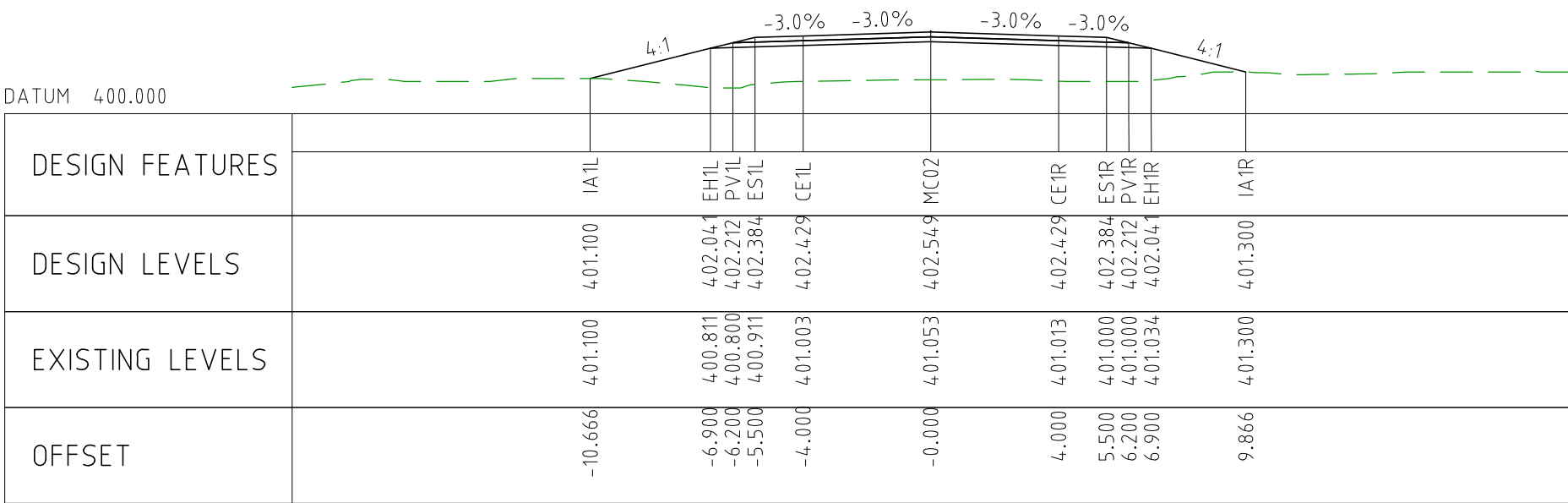
CHAINAGE 34150



CHAINAGE 34100



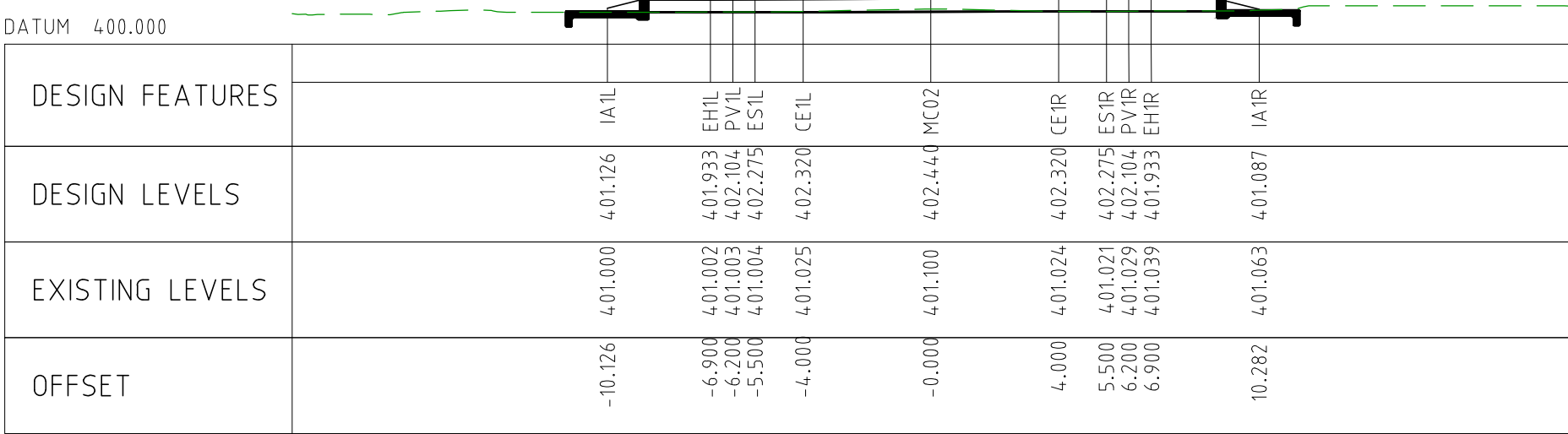
CHAINAGE 34050



INSTALL Ø375mm CULVERT

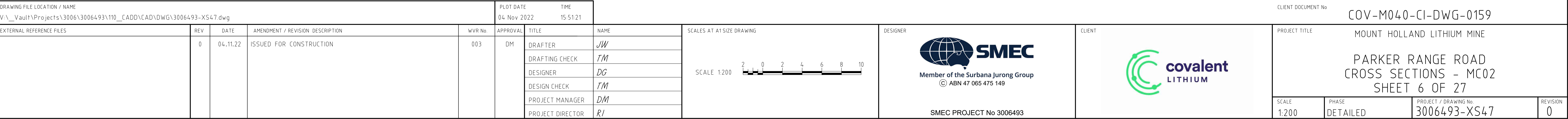
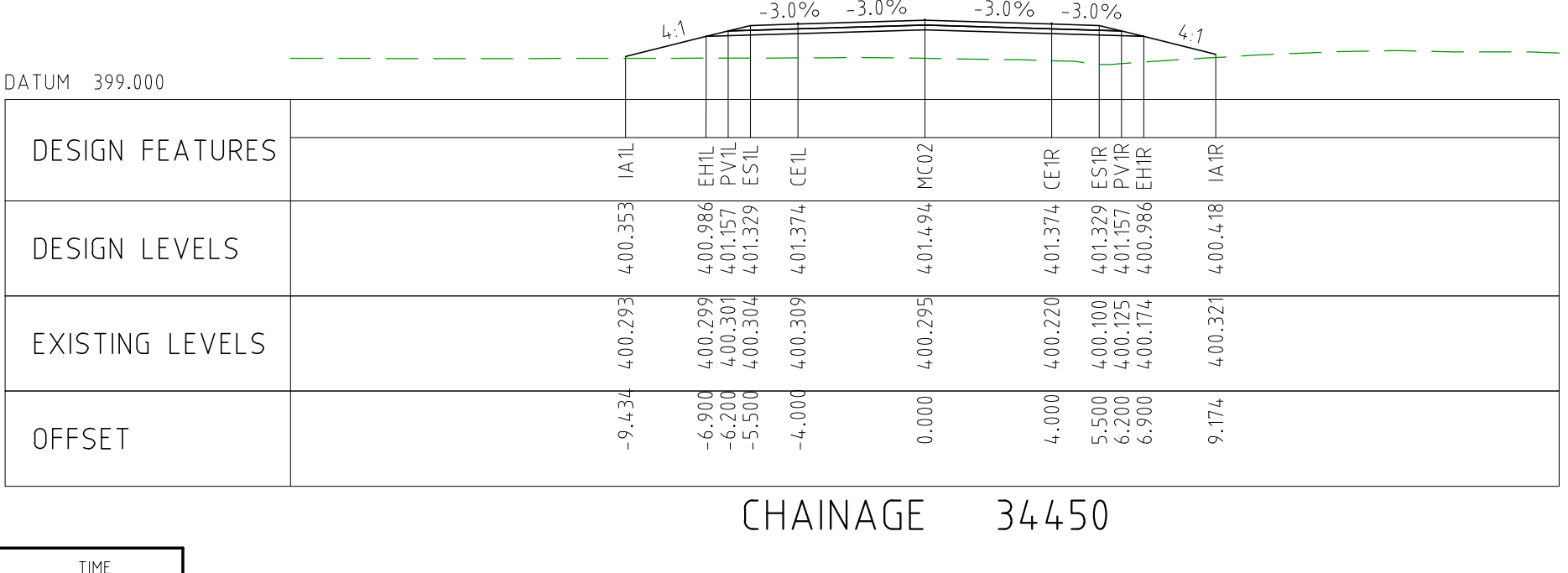
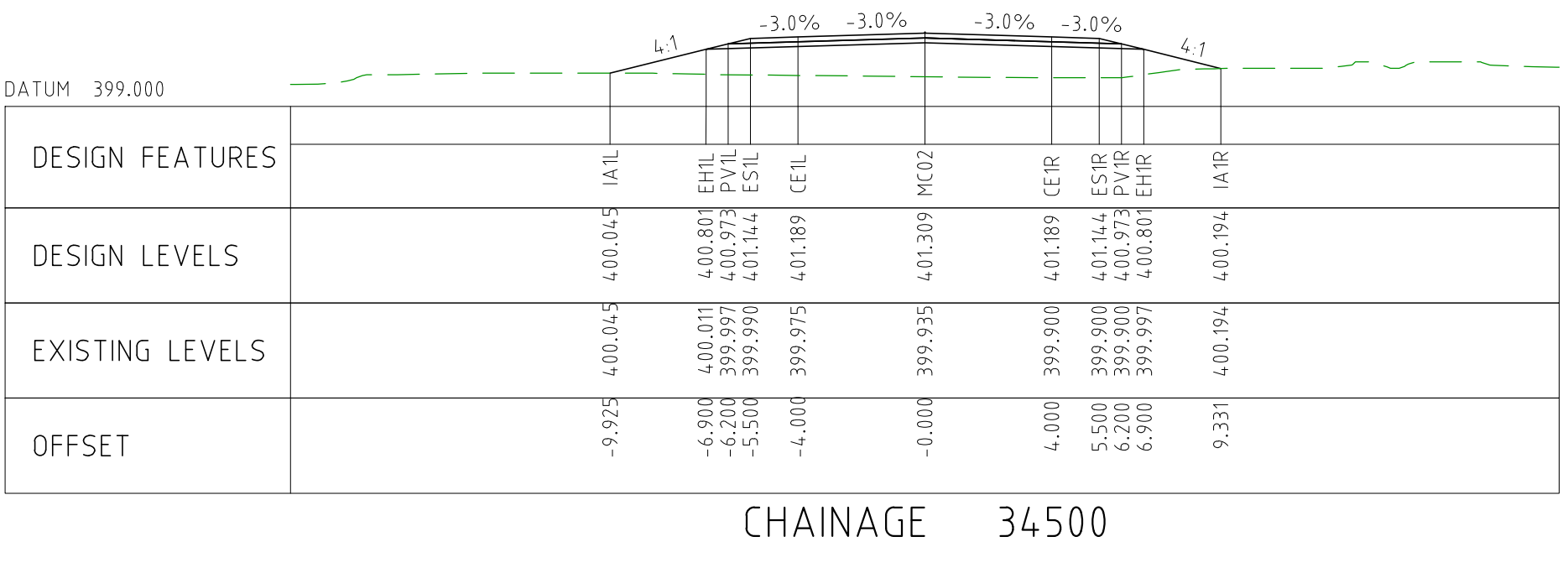
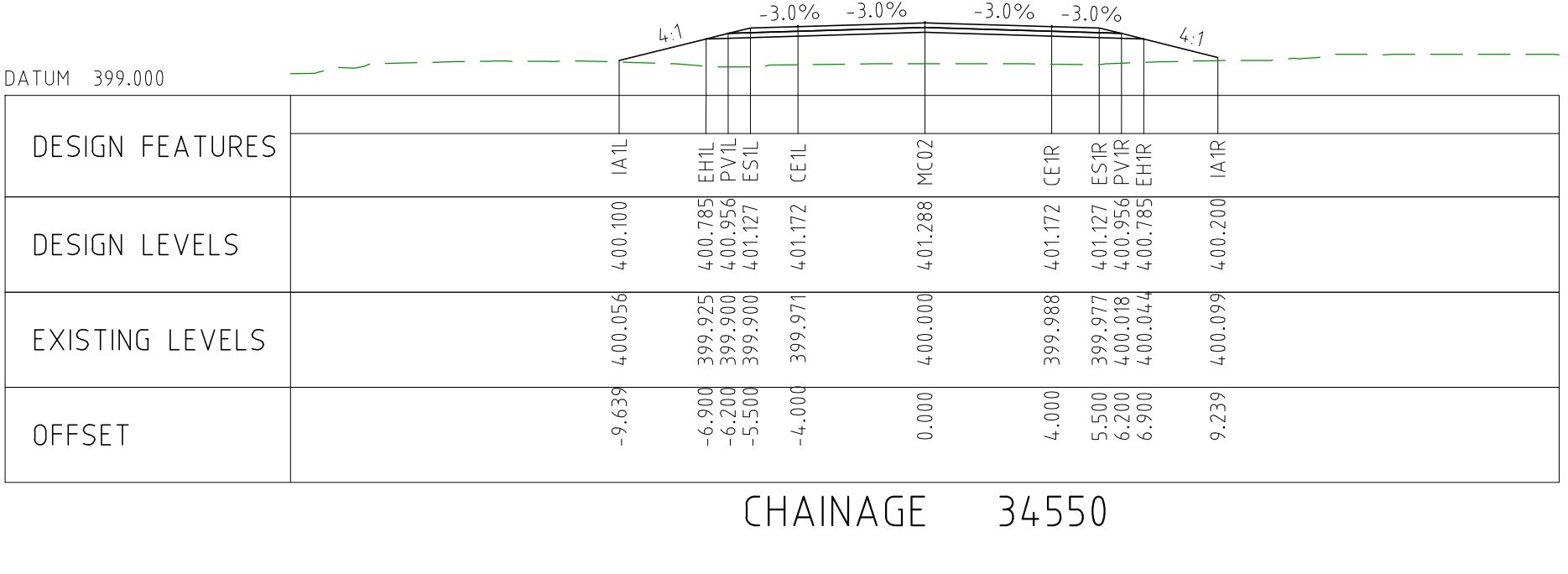
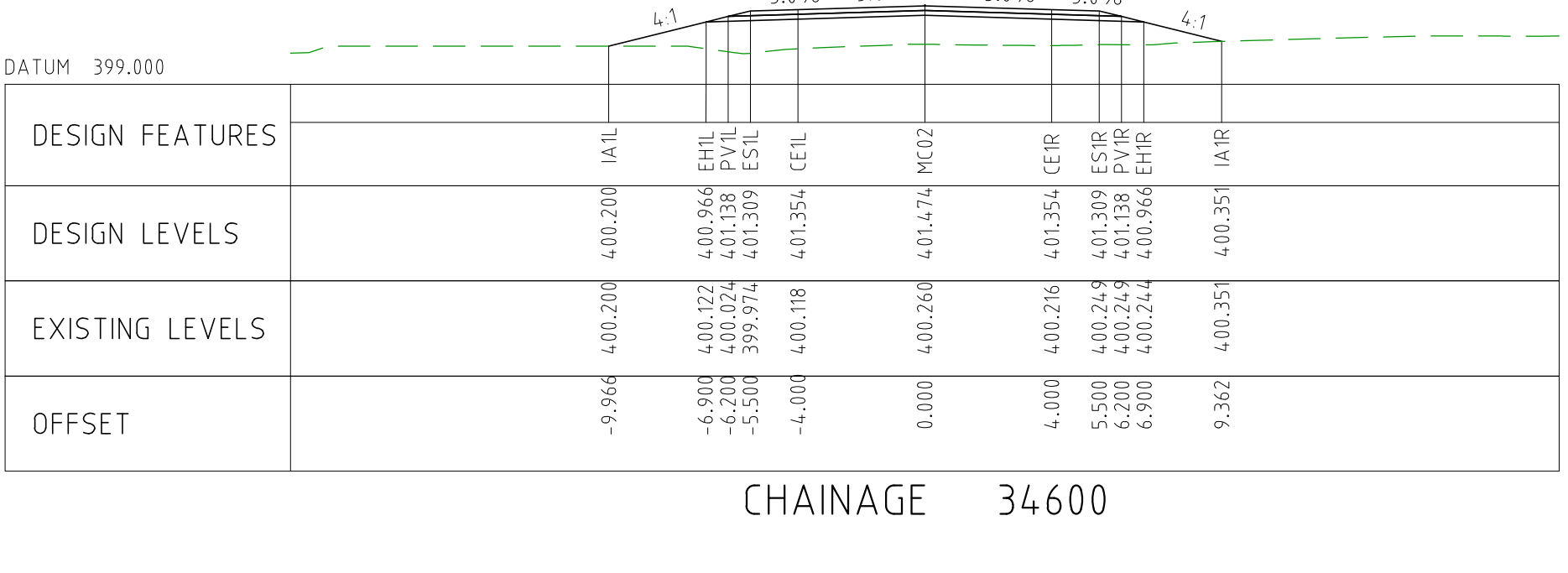
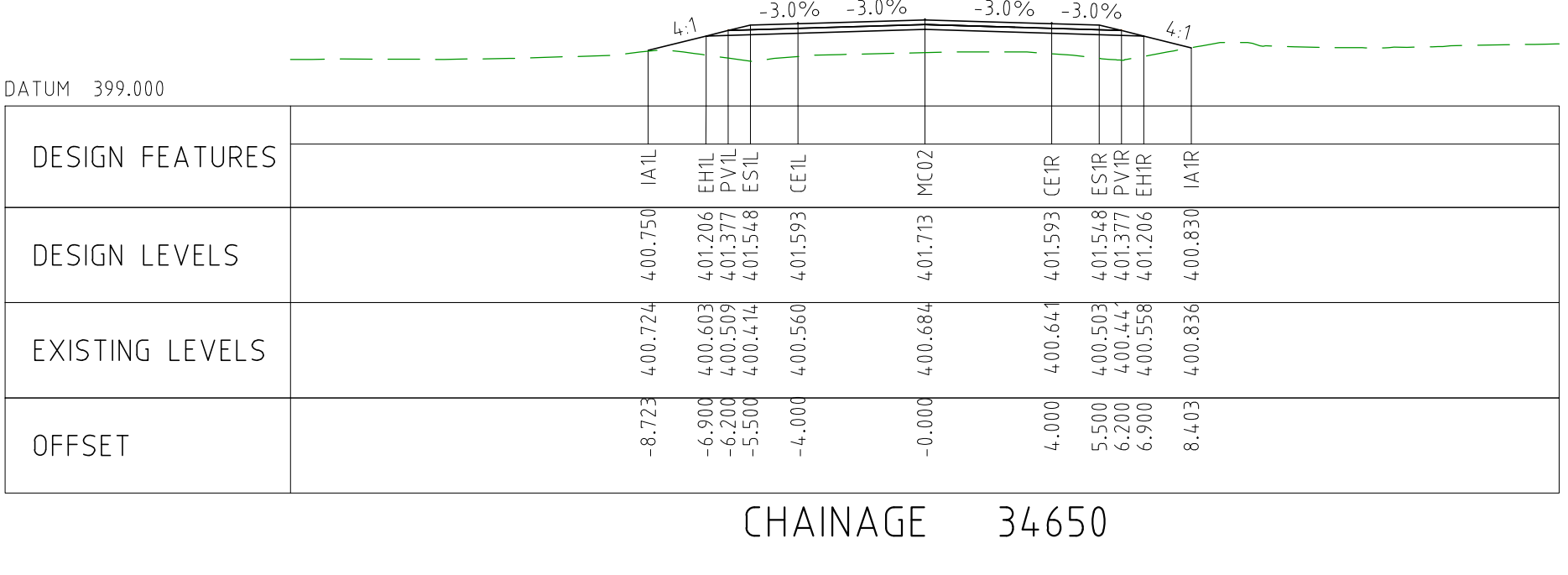
CHAINAGE 34000

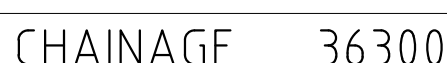
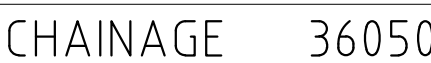
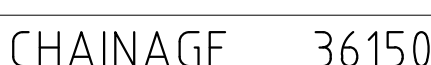
HEADWALL



CHAINAGE 33950

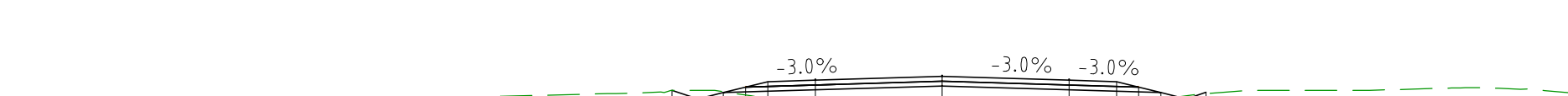
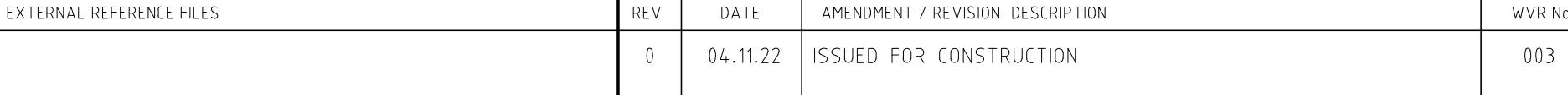
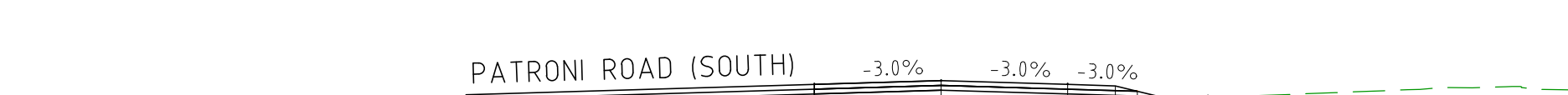
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS46.dwg				04 Nov 2022	15:50:50			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	
						DRAFTING CHECK	TM	
						DESIGNER	DG	
						DESIGN CHECK	TM	
						PROJECT MANAGER	DM	
						PROJECT DIRECTOR	RJ	
							DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149	CLIENT
							SMC PROJECT No 3006493	
							PROJECT TITLE MOUNT HOLLAND LITHIUM MINE	REVISION 0
							PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 5 OF 27	
							SCALE 1:200 PHASE DETAILED PROJECT / DRAWING No 3006493-XS46	

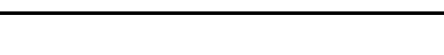


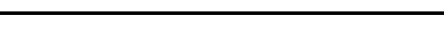


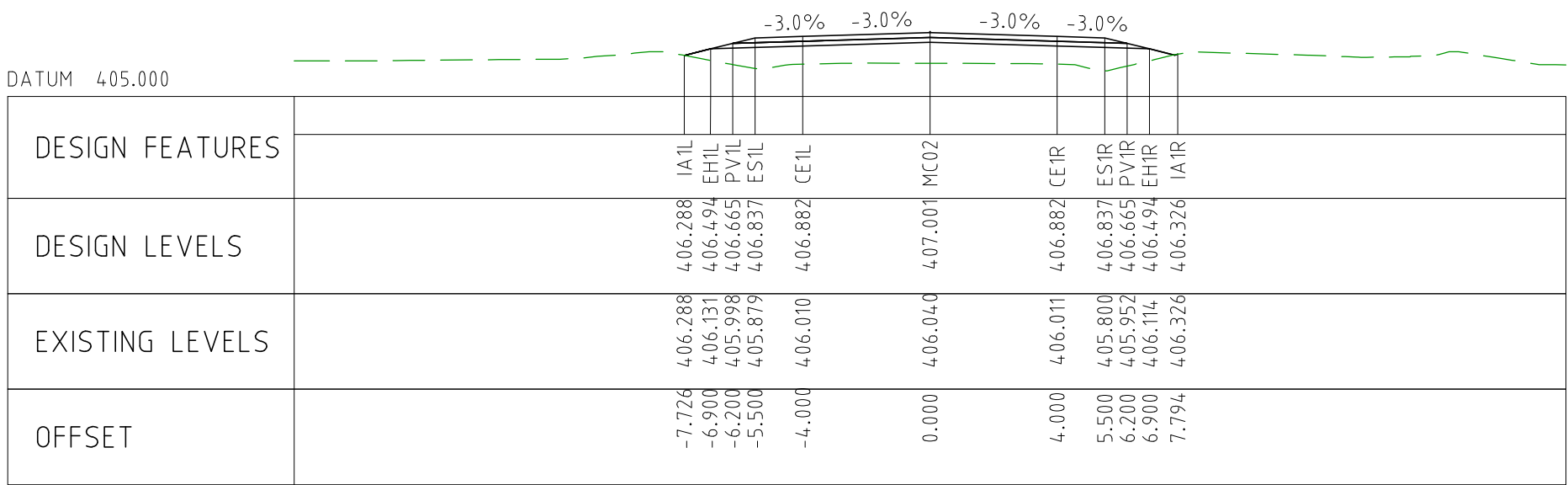


 **SMEC**
Member of the Surbana Jurong Group
© ABN 47 065 475 149

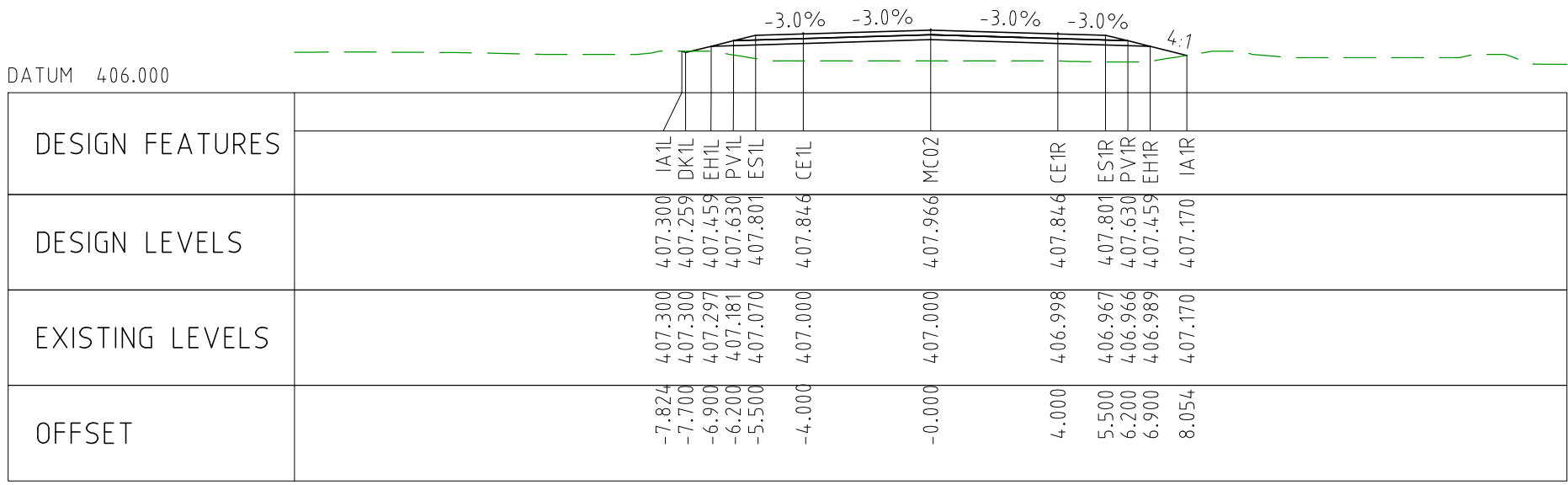




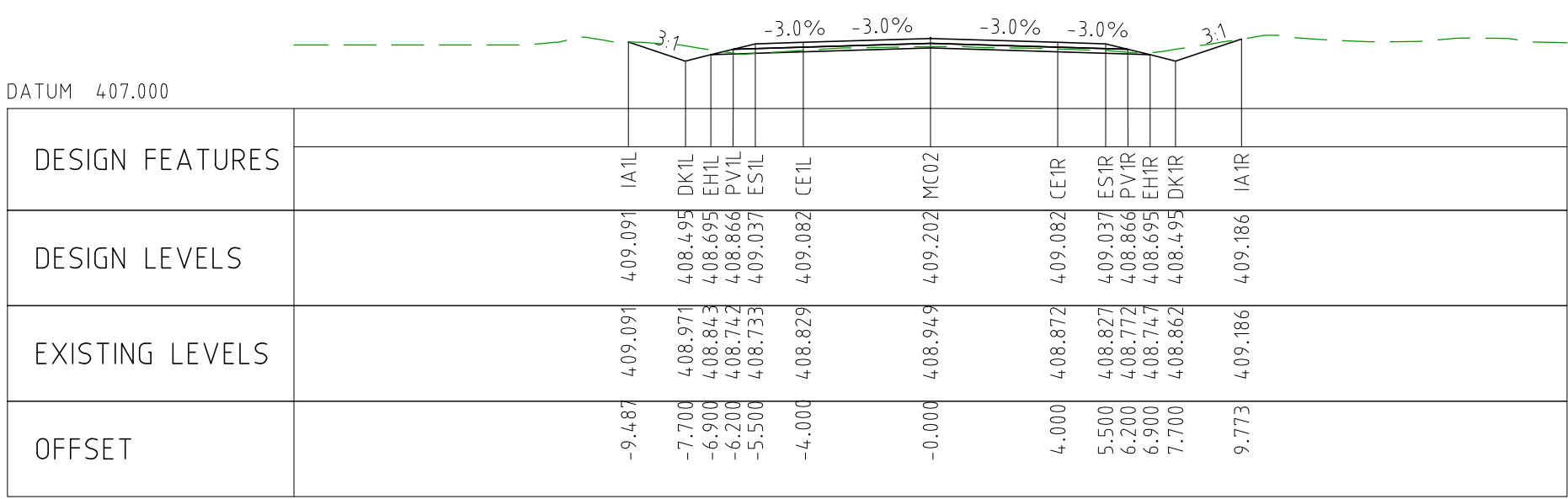
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS50.dwg				PLOT DATE 04 Nov 2022		TIME 15:53:01		CLIENT DOCUMENT NO COV-M040-CI-DWG-0162			
EXTERNAL REFERENCE FILES				APPROVAL		DESIGNER		CLIENT		PROJECT TITLE	
REV DATE AMENDMENT / REVISION DESCRIPTION WVR No				TITLE NAME		SCALES AT A1 SIZE DRAWING		 Member of the Surbana Jurong Group © ABN 47 065 475 149		 covalent LITHIUM	
0 04.11.22 ISSUED FOR CONSTRUCTION 003				DM		 SCALE 1:200		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 9 OF 27	
				DRAFTER <i>JW</i> DRAFTING CHECK <i>TM</i> DESIGNER <i>DG</i> DESIGN CHECK <i>TM</i> PROJECT MANAGER <i>DM</i> PROJECT DIRECTOR <i>RI</i>						SCALE 1:200 PHASE DETAILED PROJECT / DRAWING No 3006493-XS50 REVISION 0	



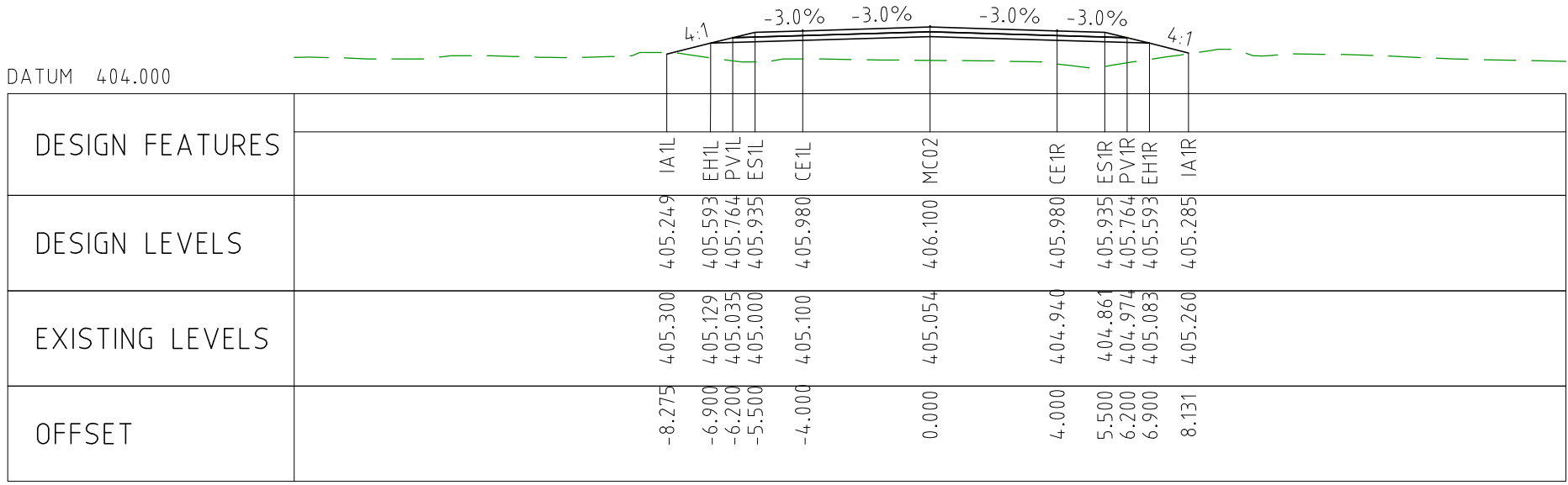
CHAINAGE 37400



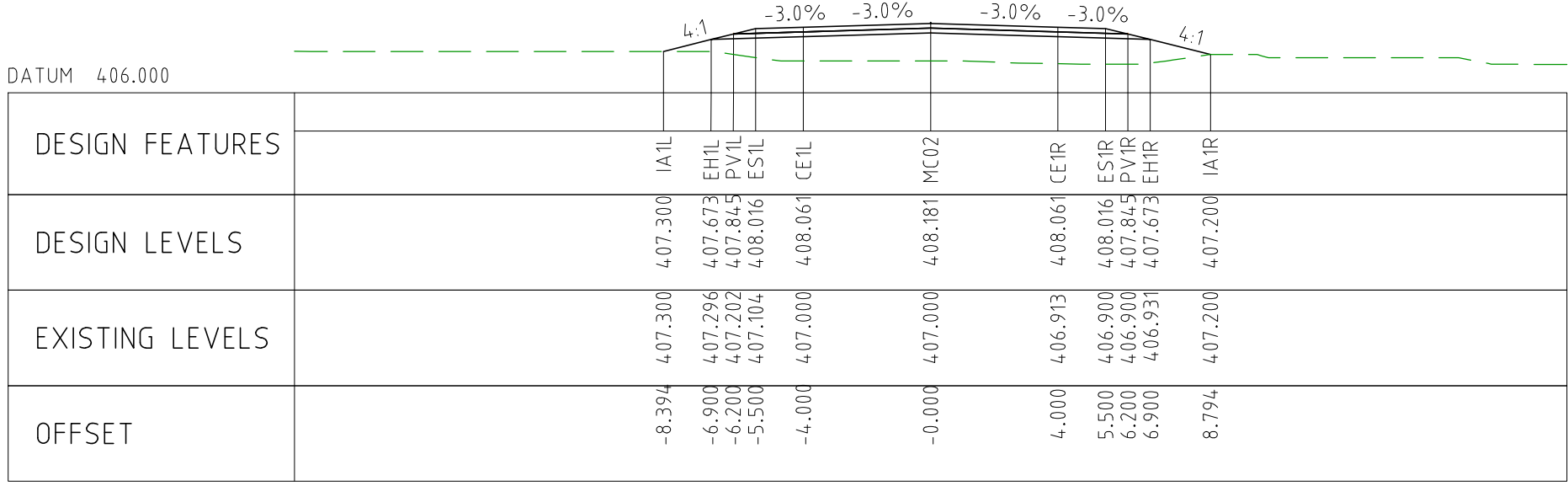
CHAINAGE 37650



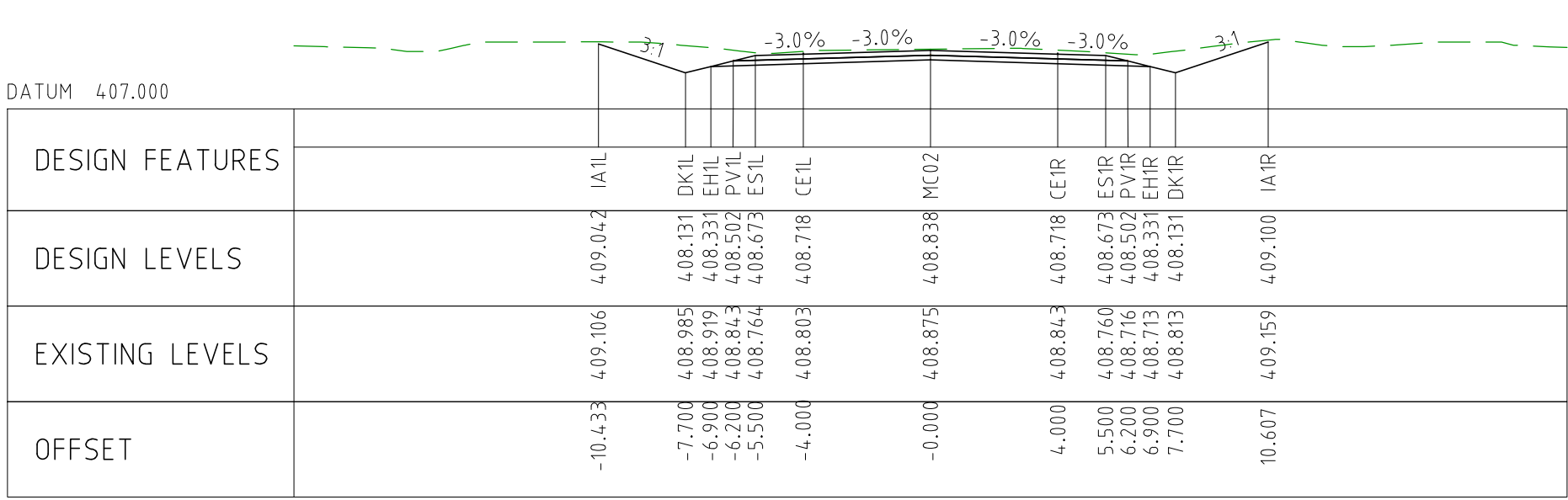
CHAINAGE 37900



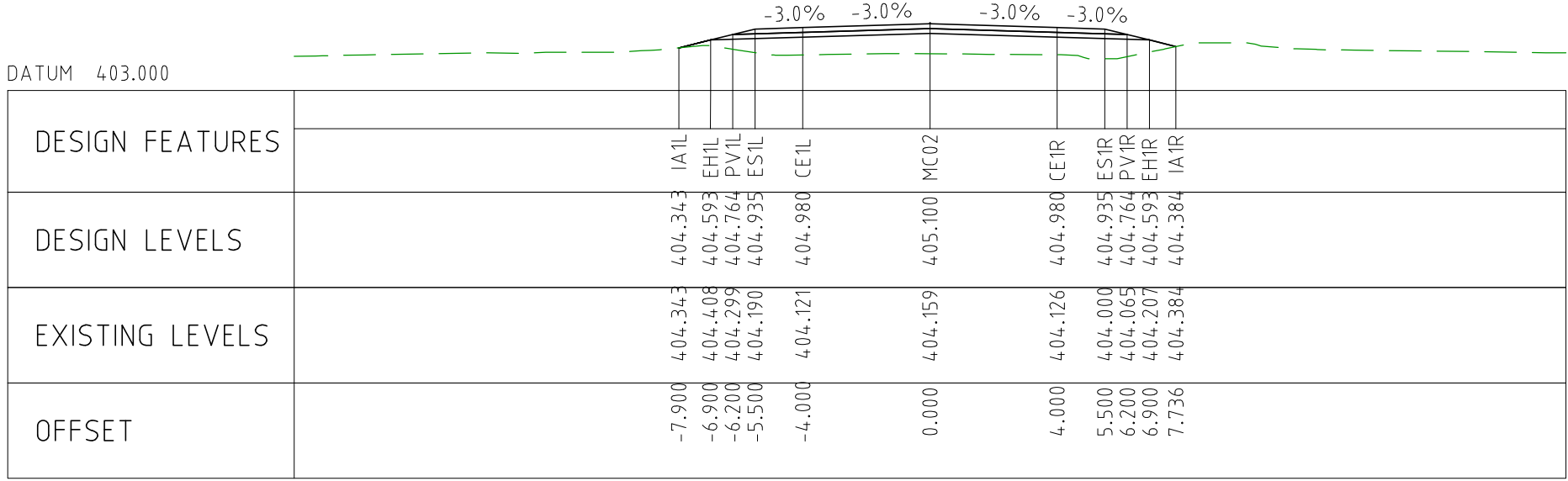
CHAINAGE 37350



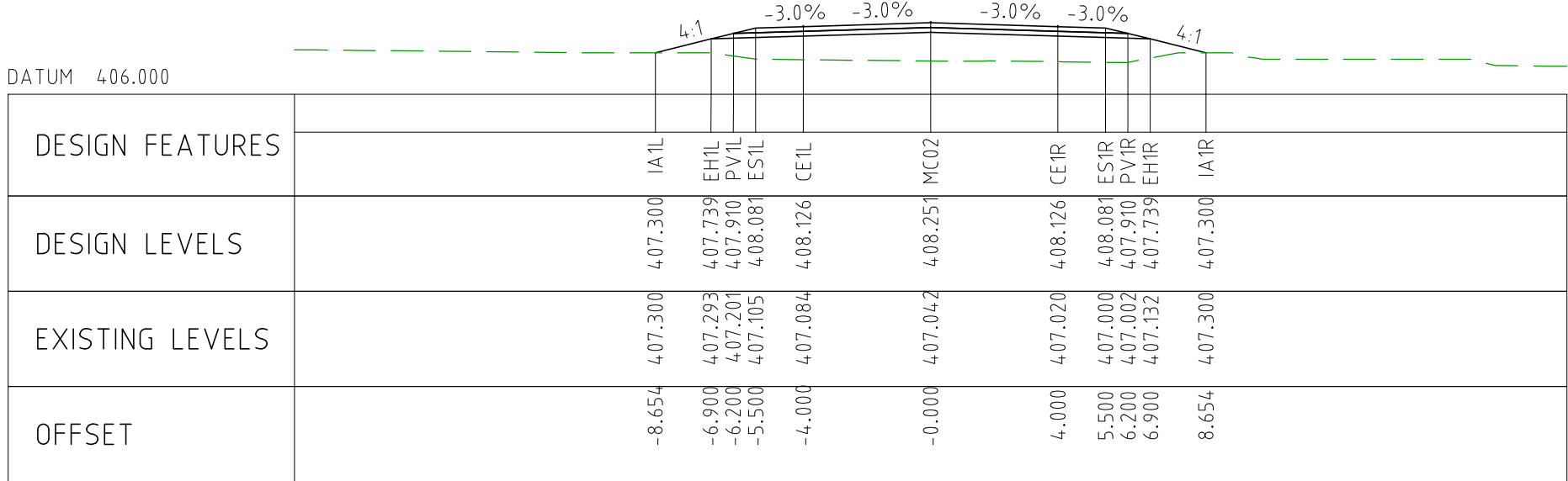
CHAINAGE 37600



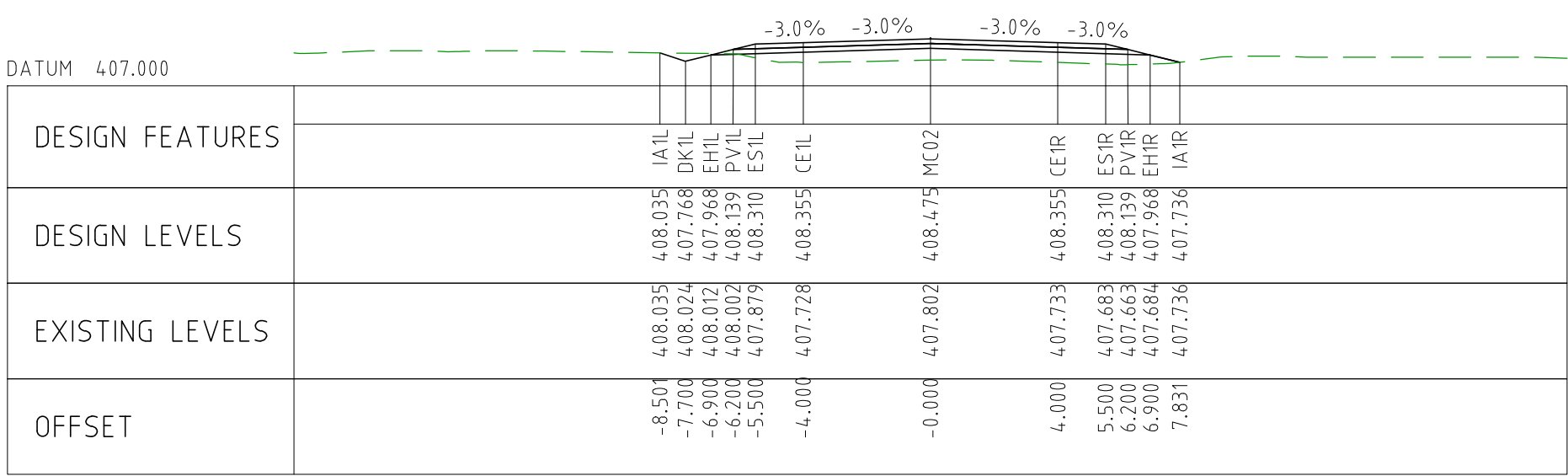
CHAINAGE 37850



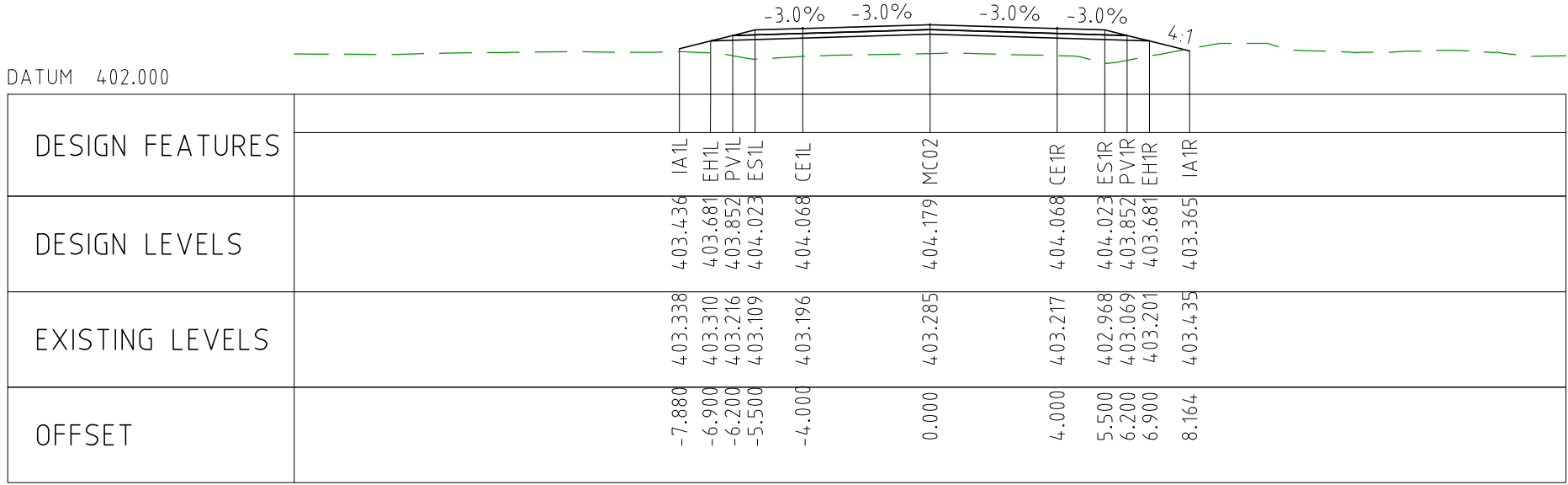
CHAINAGE 37300



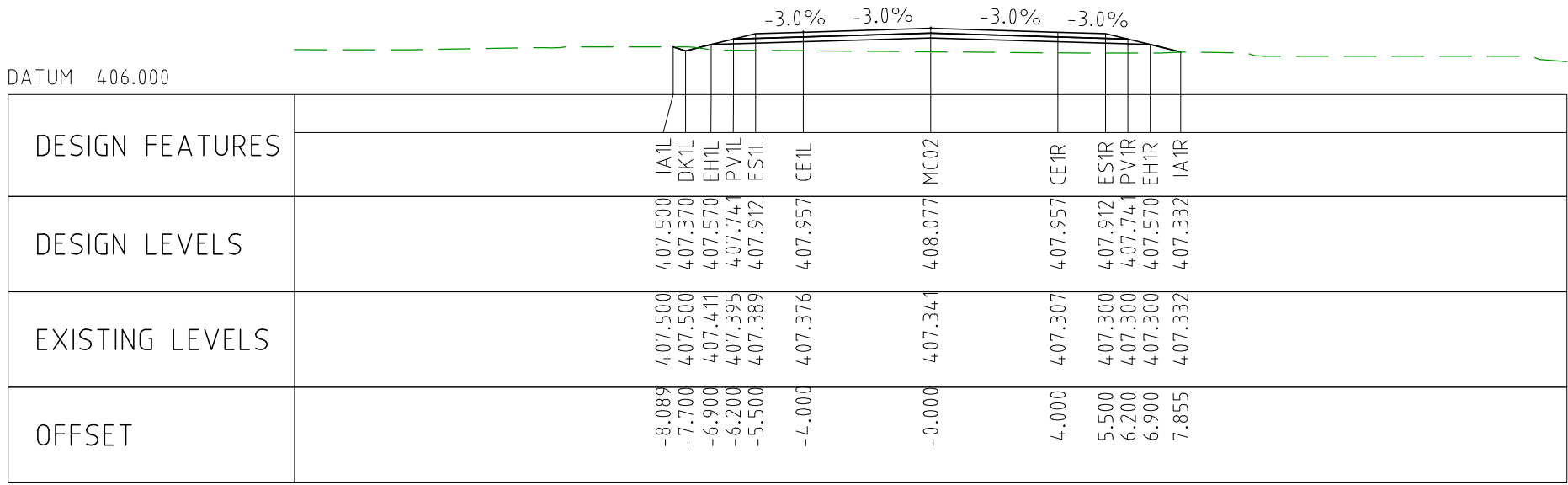
CHAINAGE 37550



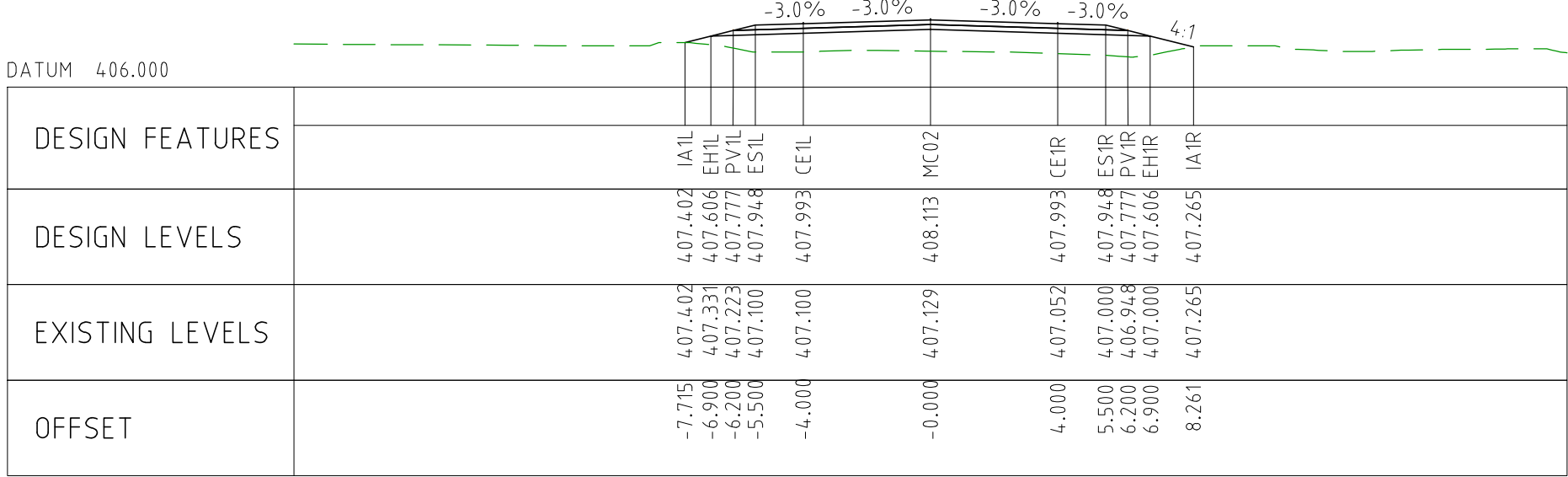
CHAINAGE 37800



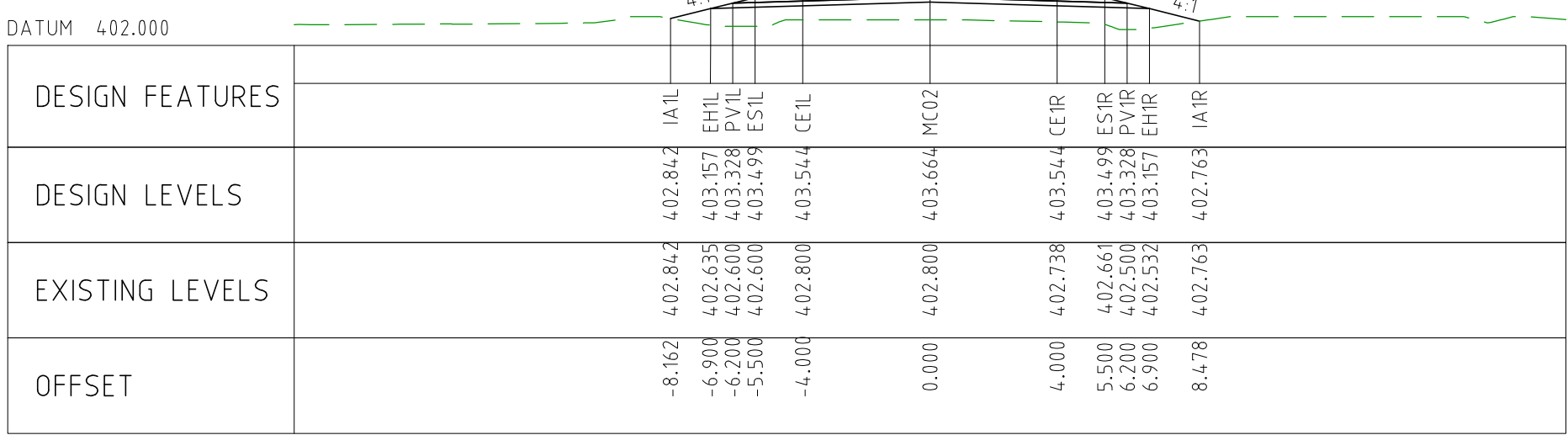
CHAINAGE 37250



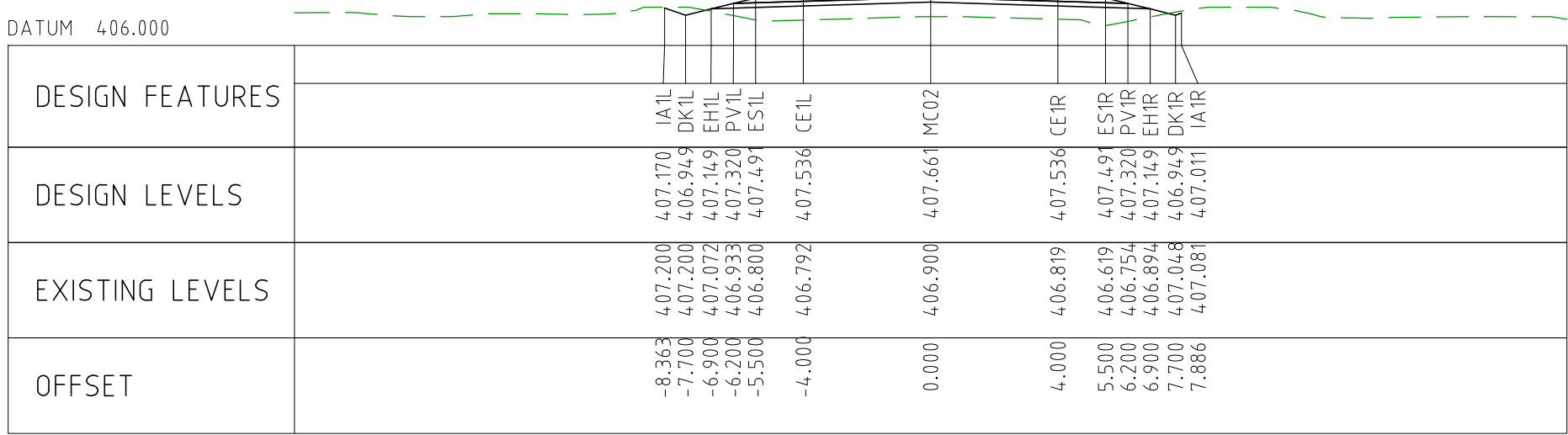
CHAINAGE 37500



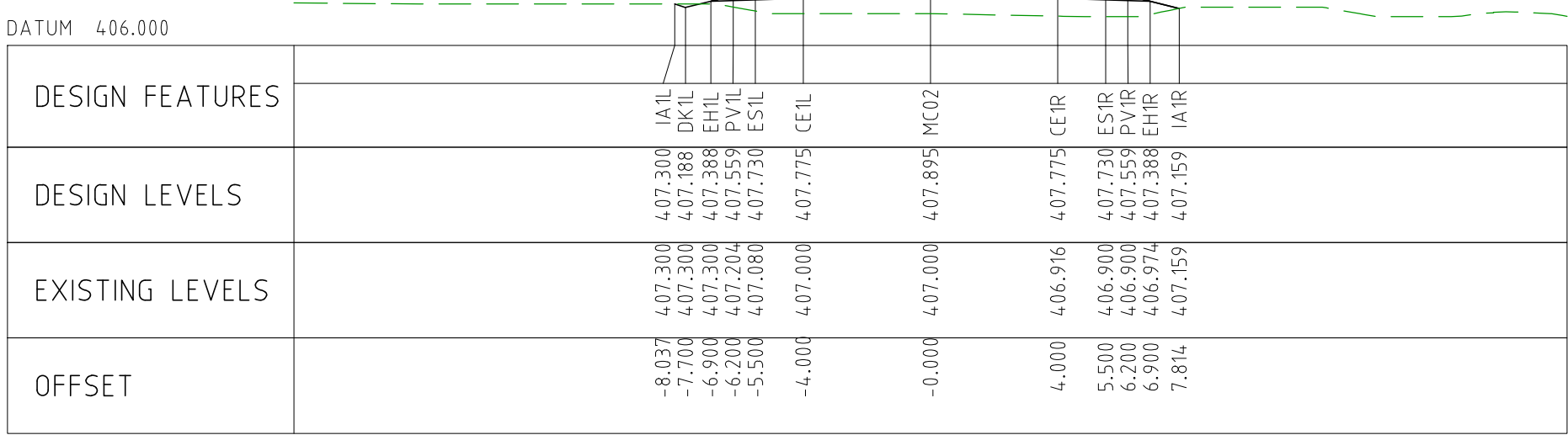
CHAINAGE 37750





CHAINAGE 37200

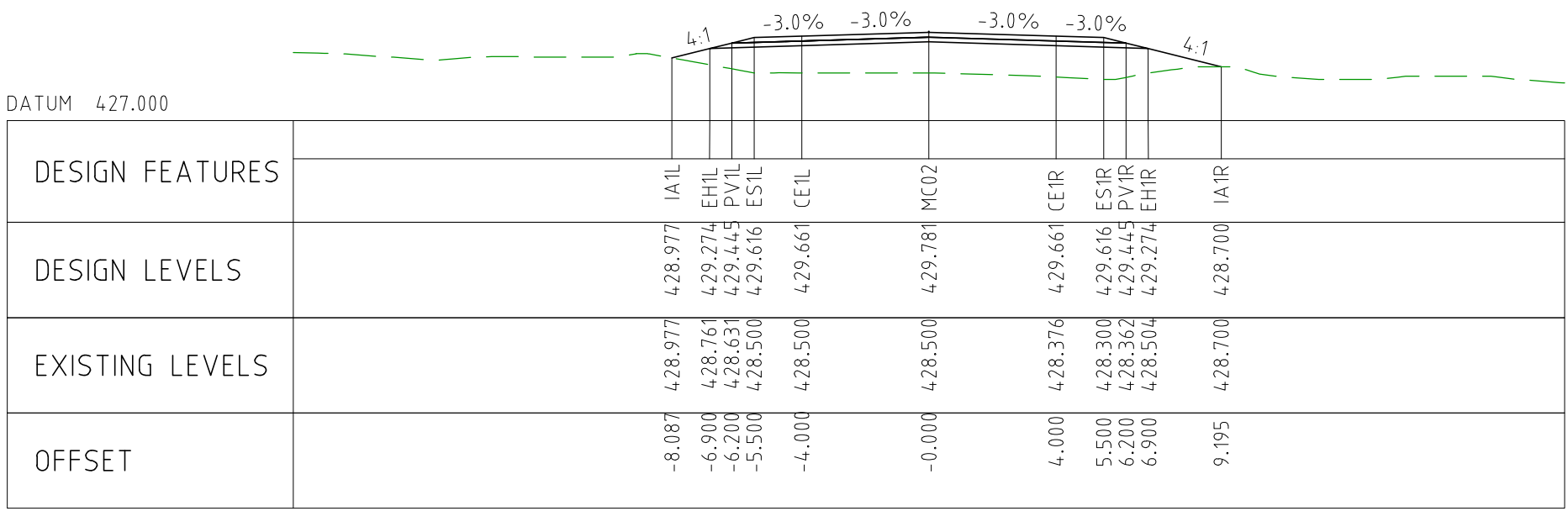


CHAINAGE 37450

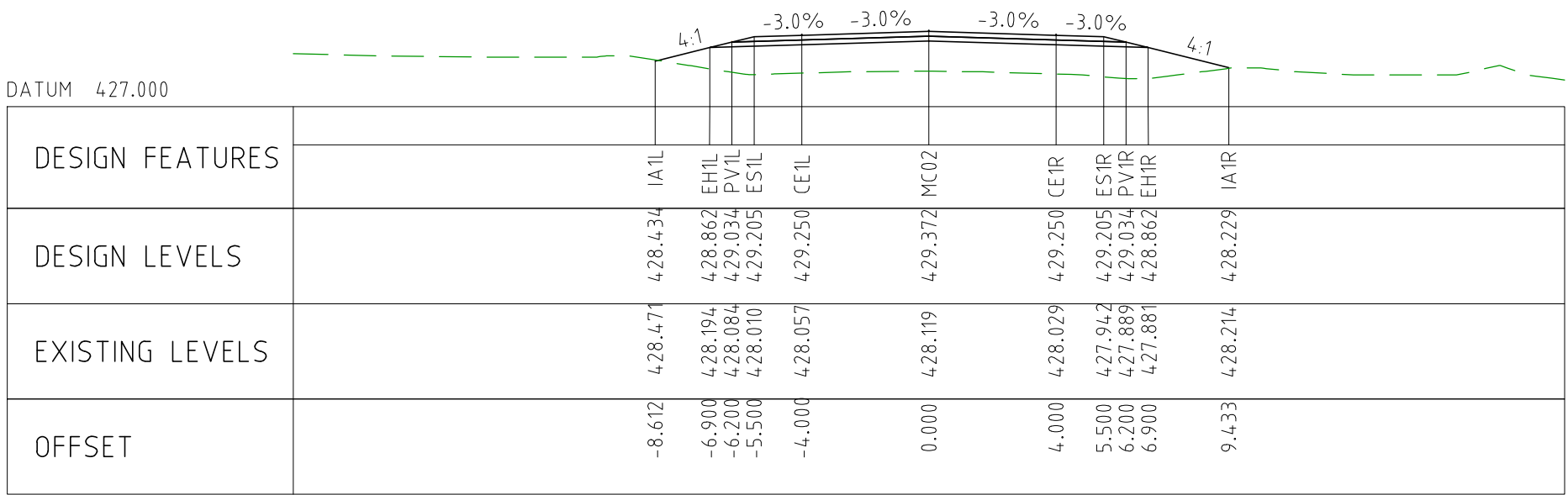


CHAINAGE 37700

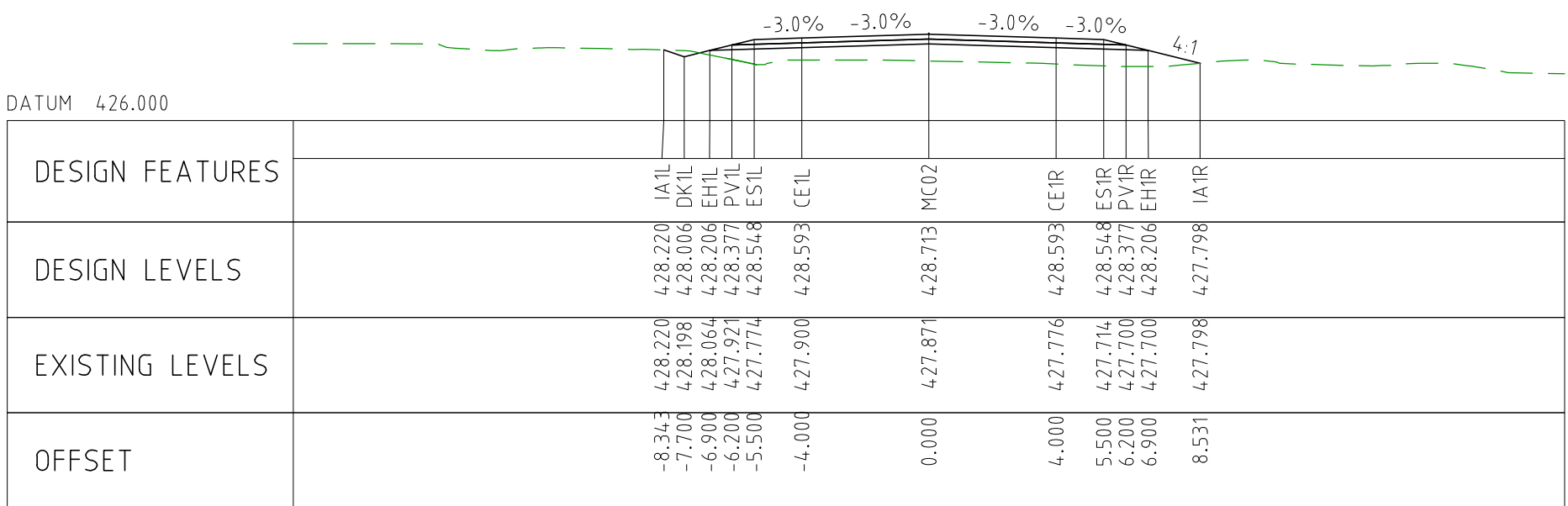
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS51.dwg					PLOT DATE 04 Nov 2022		TIME 15:53:37		CLIENT DOCUMENT NO COV-M040-CI-DWG-0163							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 10 OF 27			
													SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS51	REVISION 0



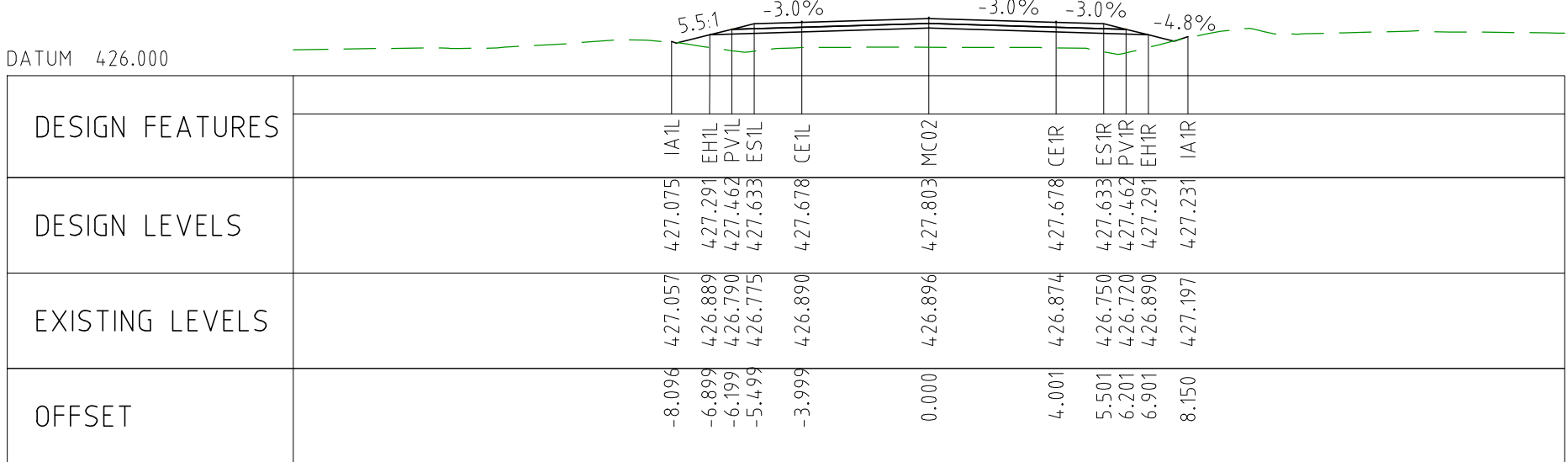
CHAINAGE 38900



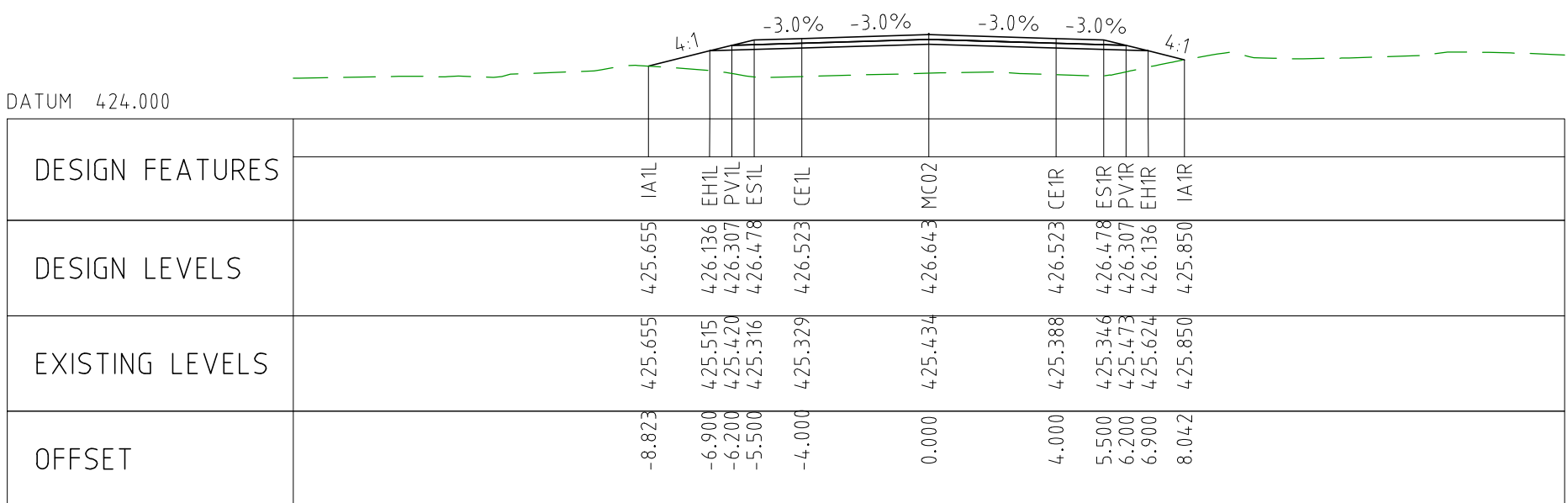
CHAINAGE 38850



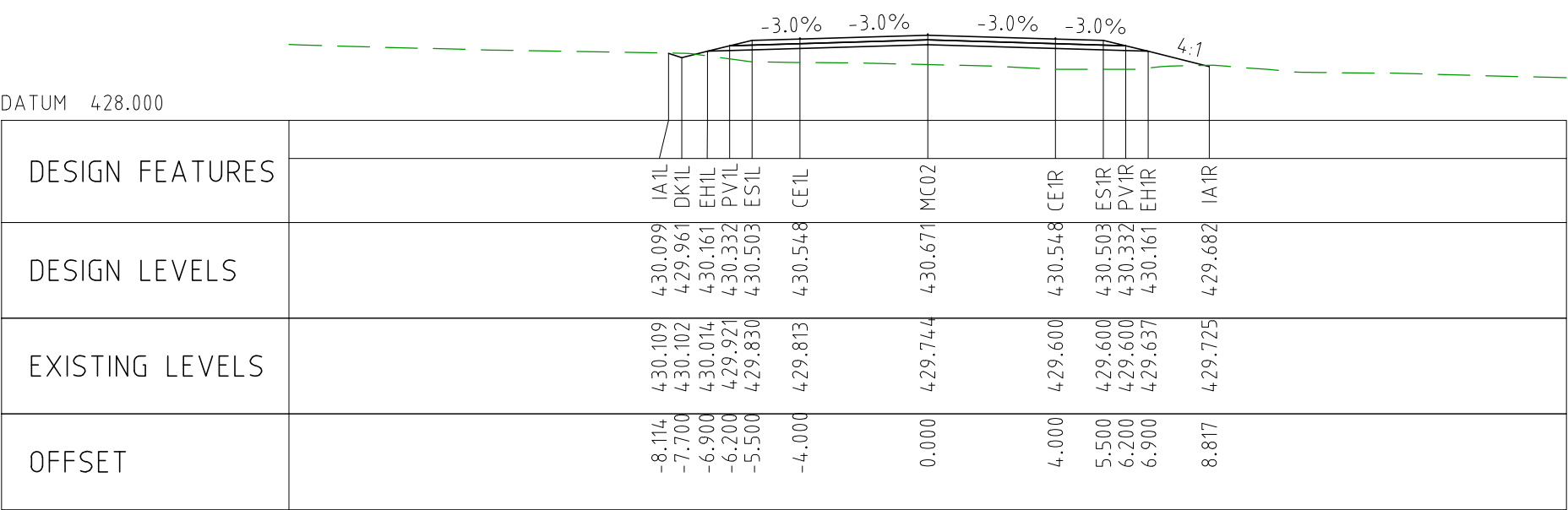
CHAINAGE 38800



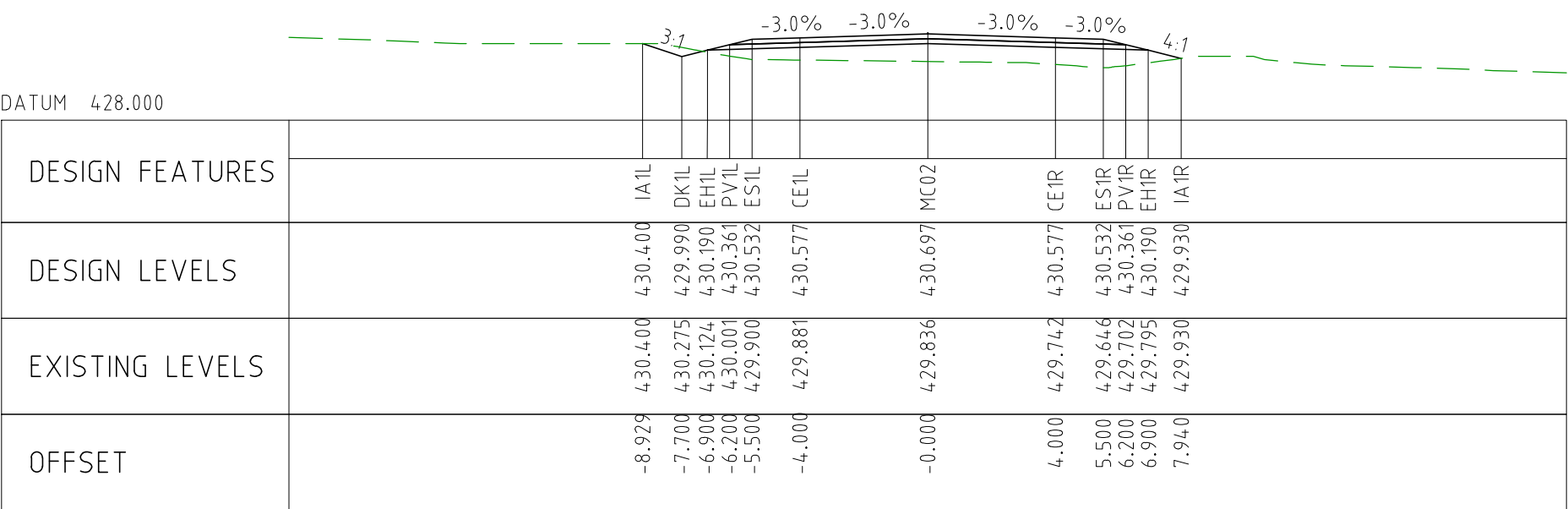
CHAINAGE 38750



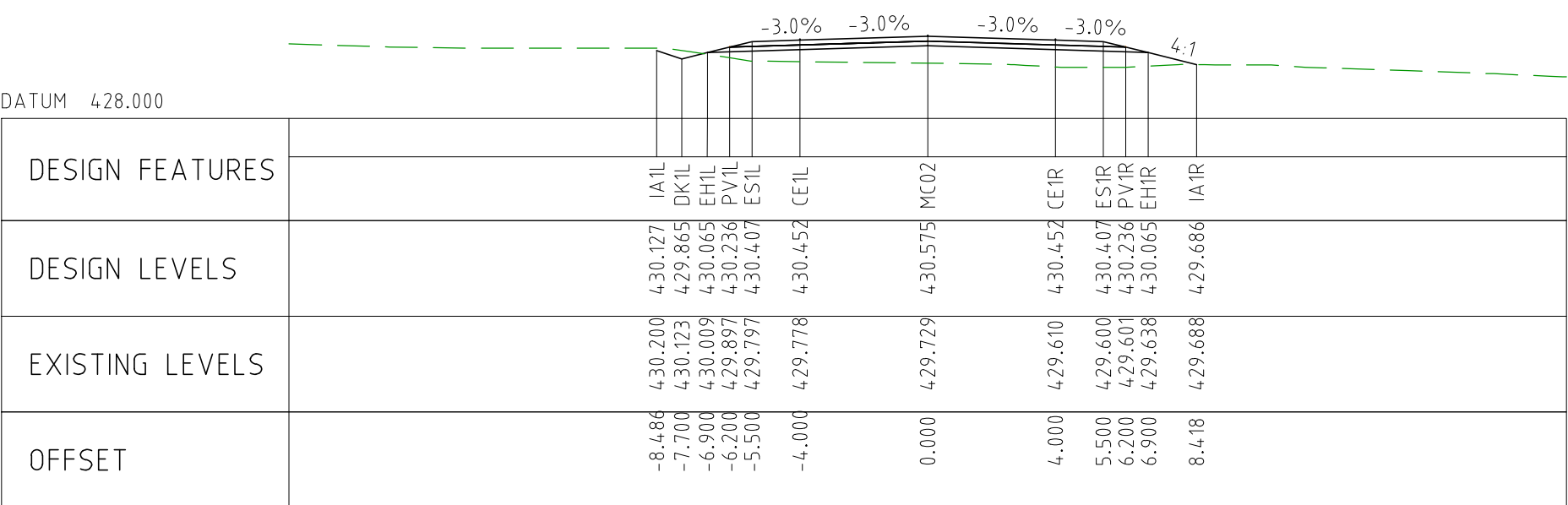
CHAINAGE 38700



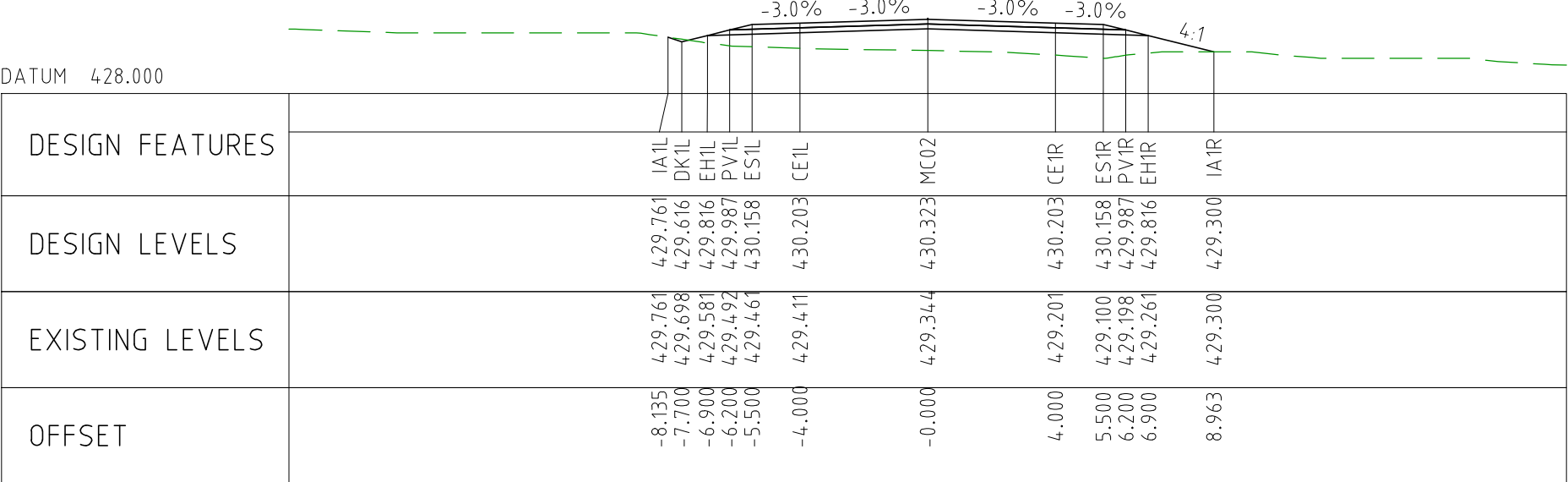
CHAINAGE 39150



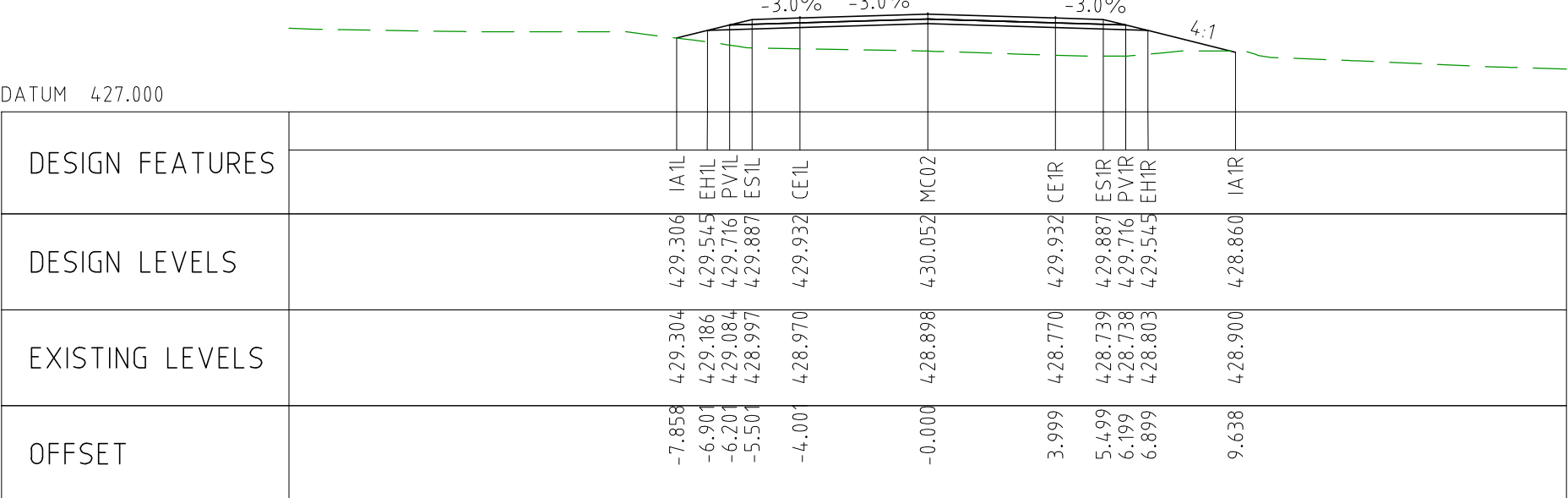
CHAINAGE 39100



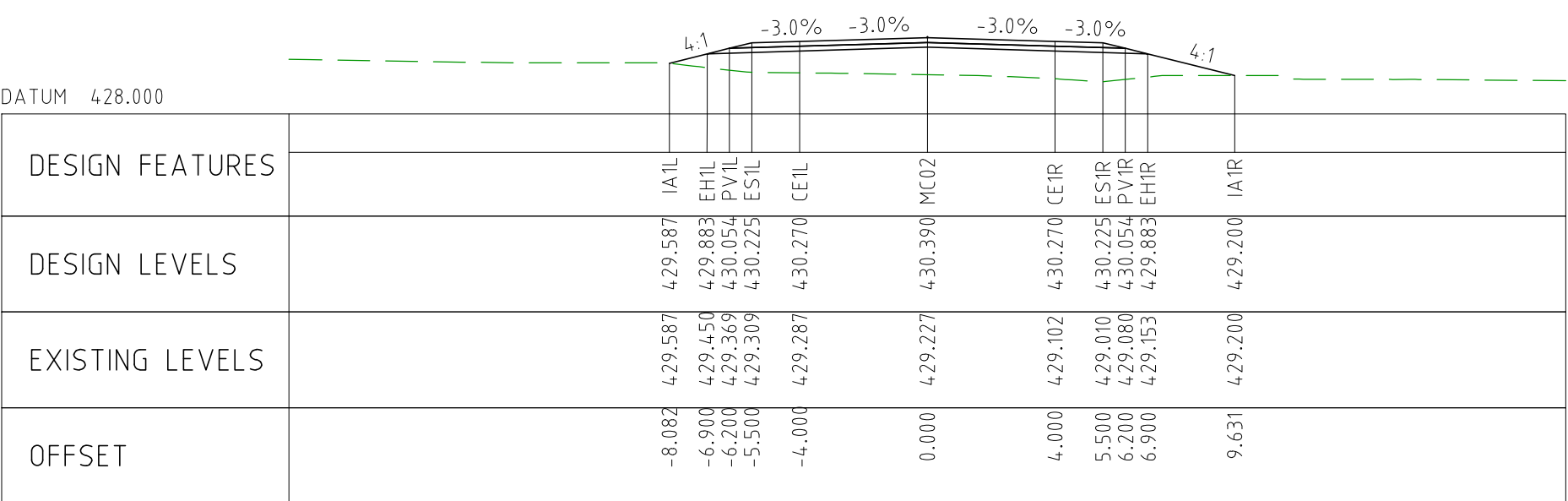
CHAINAGE 39050



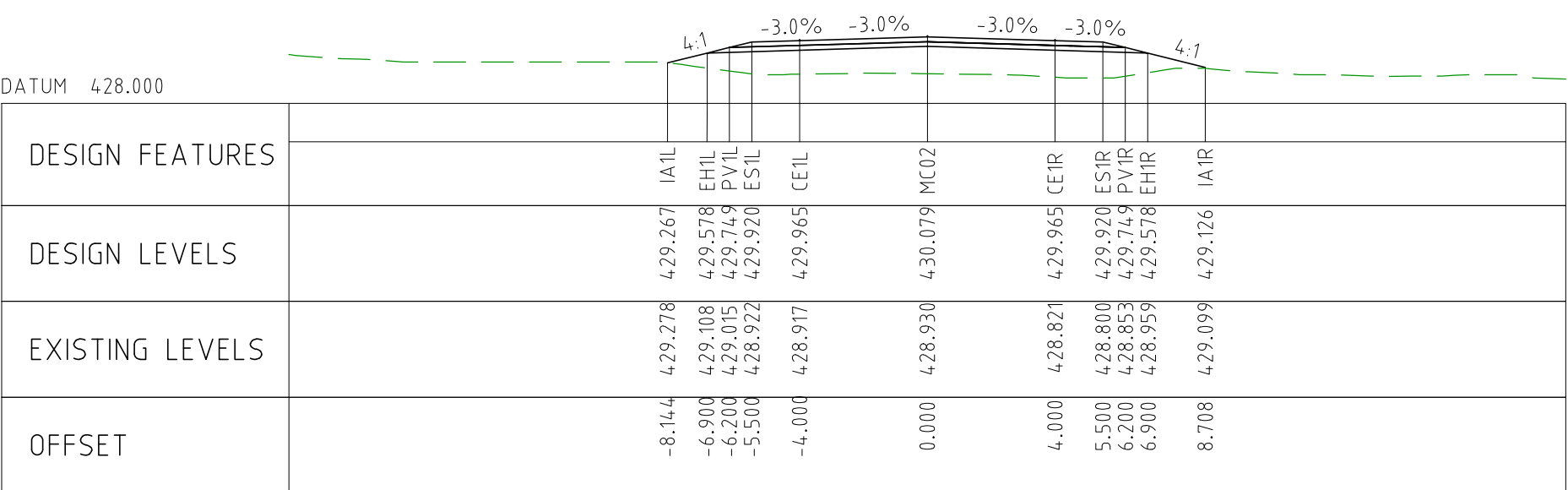
CHAINAGE 39000



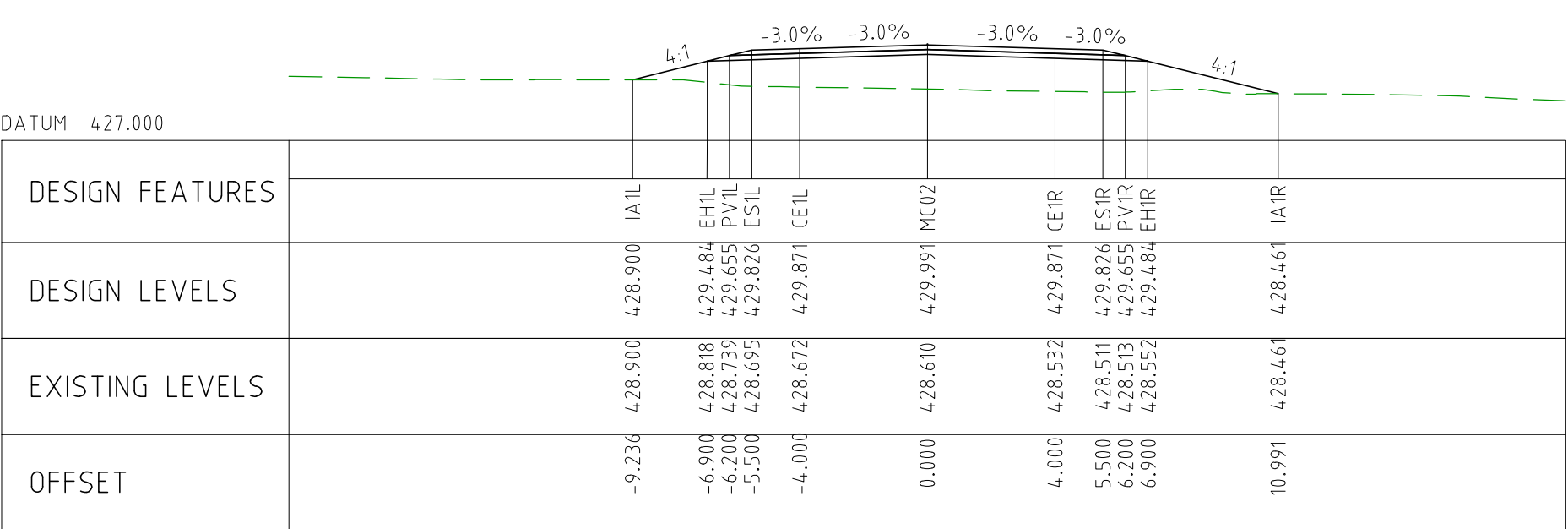
CHAINAGE 38950



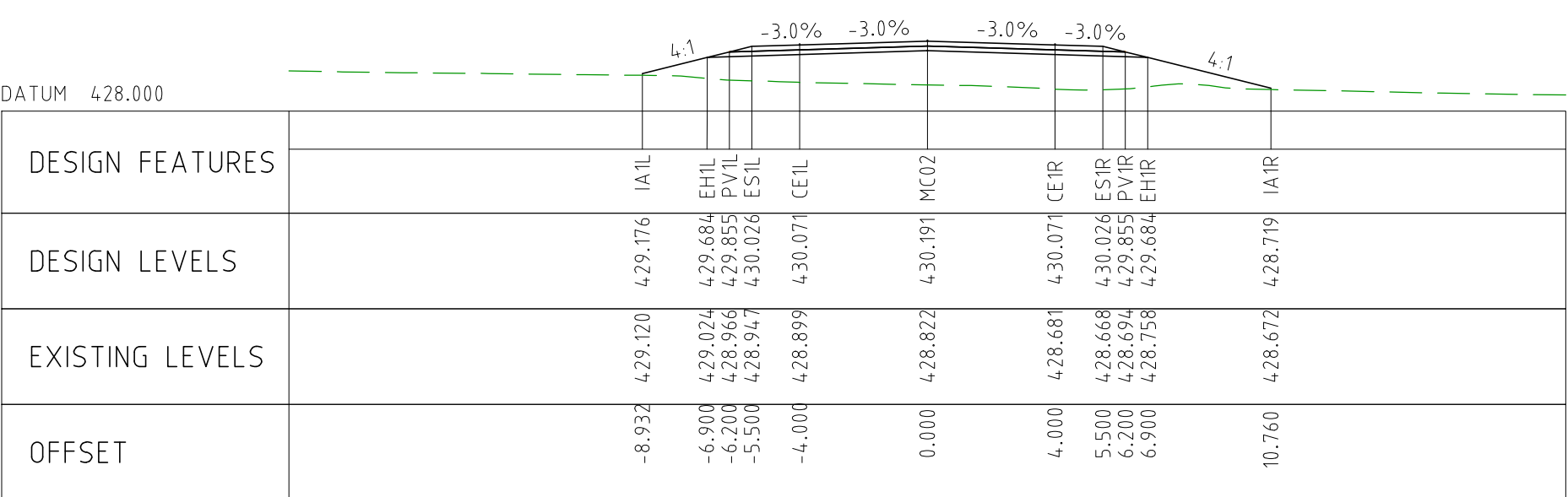
CHAINAGE 39400



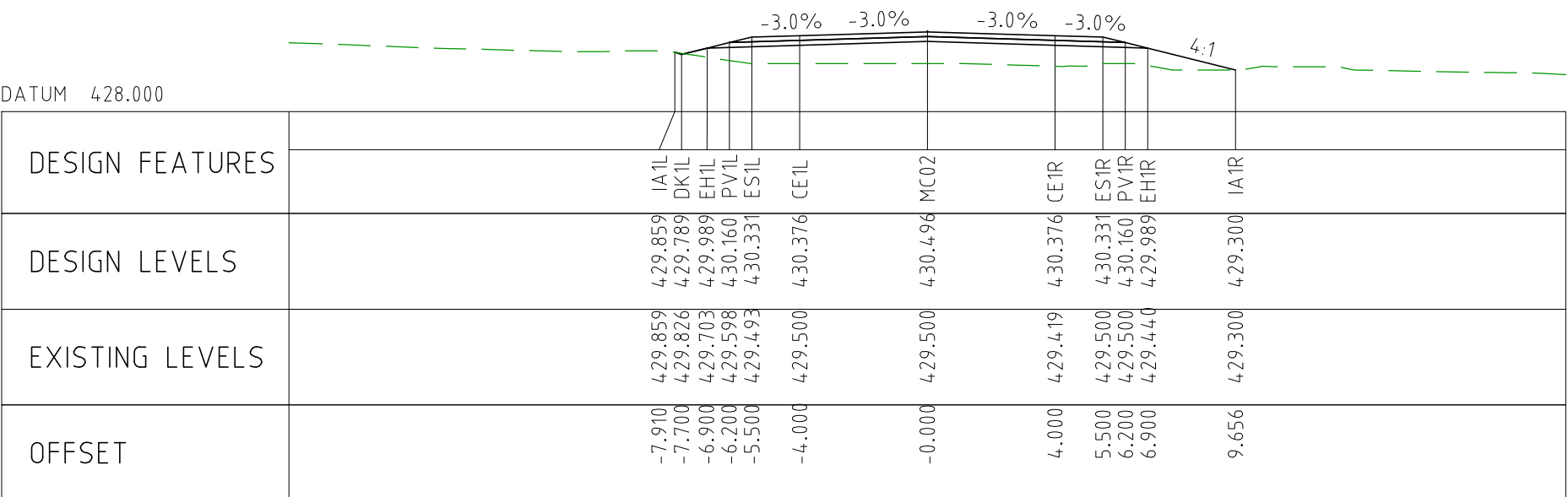
CHAINAGE 39350



CHAINAGE 39300

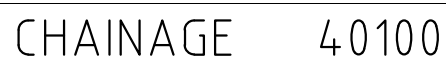



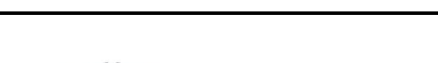

CHAINAGE 39250




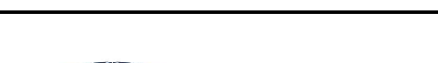

CHAINAGE 39200

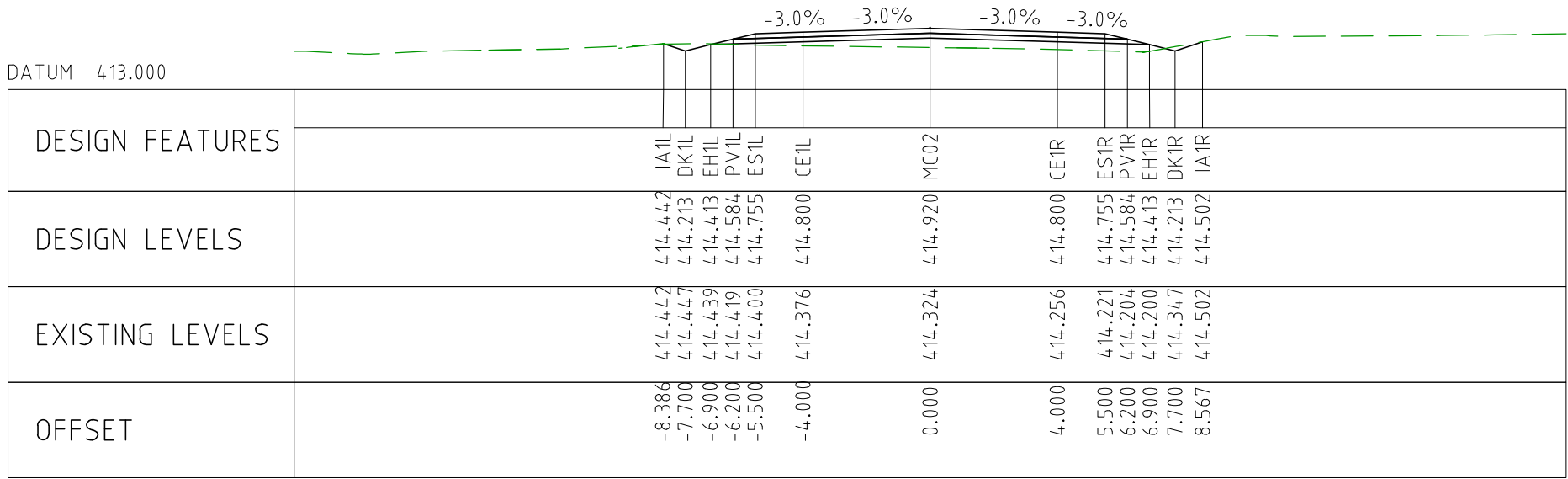
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS53.dwg					PLOT DATE 04 Nov 2022		TIME 15:54:49		CLIENT DOCUMENT No COV-M040-CI-DWG-0165								
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 12 OF 27		
							DRAFTER	JW							SCALE 1:200		
							DRAFTING CHECK	TM							PHASE DETAILED		
							DESIGNER	DG							PROJECT / DRAWING No 3006493-XS53		
							DESIGN CHECK	TM							REVISION 0		
							PROJECT MANAGER	DM									
							PROJECT DIRECTOR	RI									



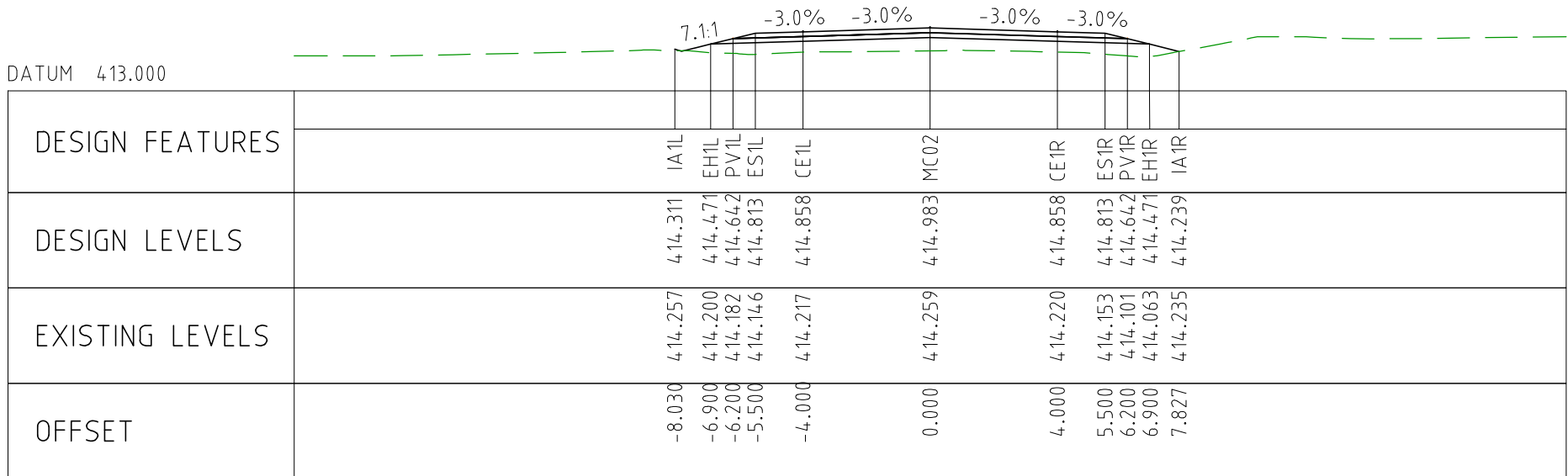
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS54.dwg					PLOT DATE 04 Nov 2022		TIME 15:55:20		CLIENT DOCUMENT NO COV-M040-CI-DWG-0166								
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 13 OF 27		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW									
							DRAFTING CHECK	TM									
							DESIGNER	DG									
							DESIGN CHECK	TM									
							PROJECT MANAGER	DM									
							PROJECT DIRECTOR	RI									
		SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS54		REVISION 0									



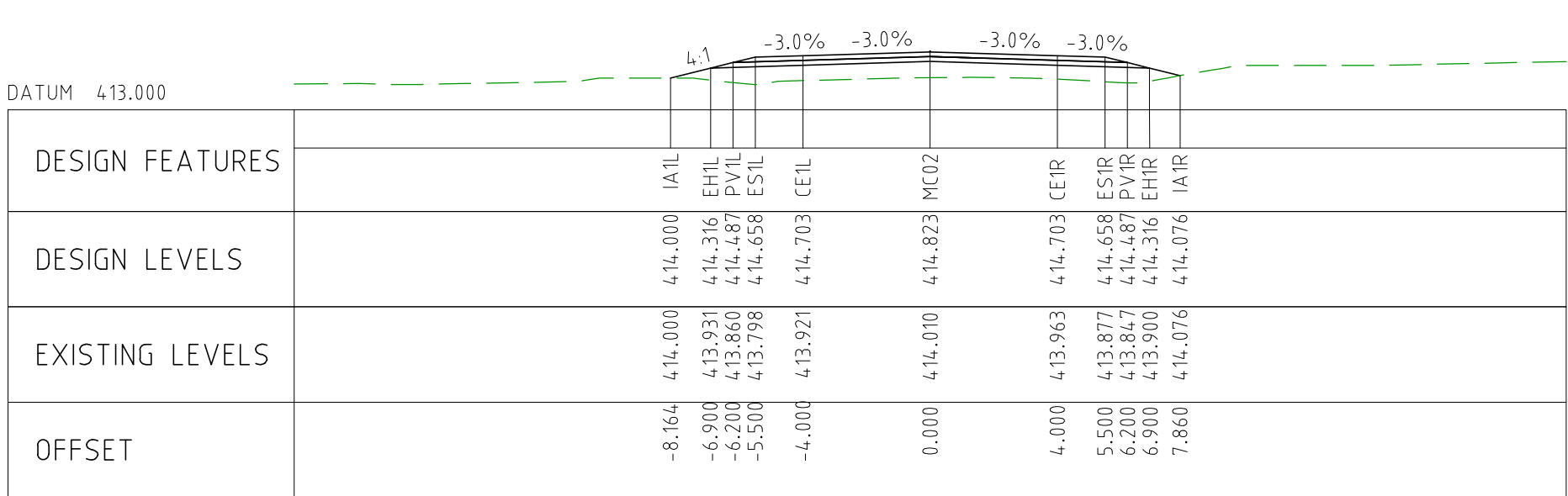
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS56.dwg				PLOT DATE 04 Nov 2022		TIME 15:56:21		CLIENT DOCUMENT NO COV-M040-CI-DWG-0168													
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 15 OF 27						
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW													
							DRAFTING CHECK	TM													
							DESIGNER	DG													
							DESIGN CHECK	TM													
							PROJECT MANAGER	DM													
							PROJECT DIRECTOR	RI													
		SCALE 1:200												SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS56		REVISION 0	



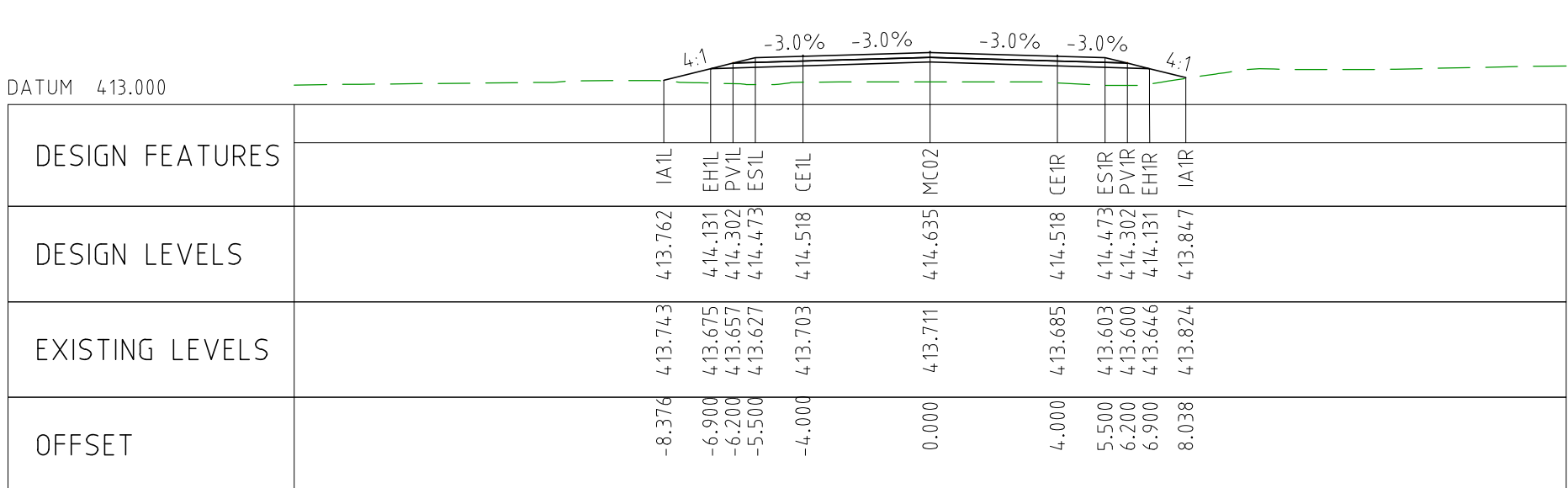
CHAINAGE 41900



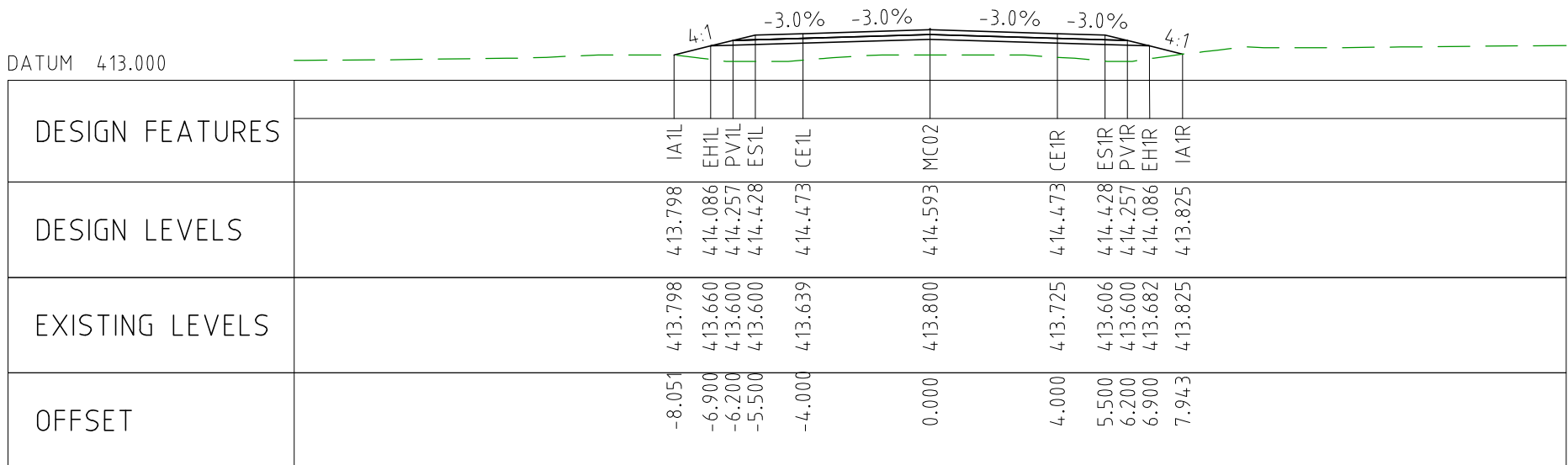
CHAINAGE 41850



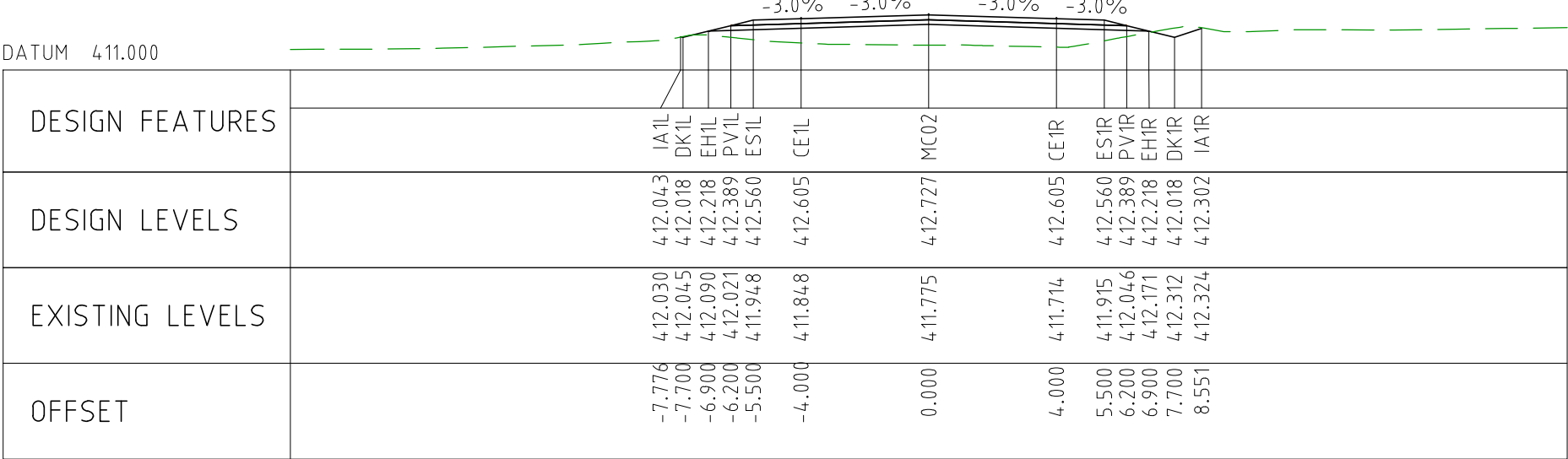
CHAINAGE 41800



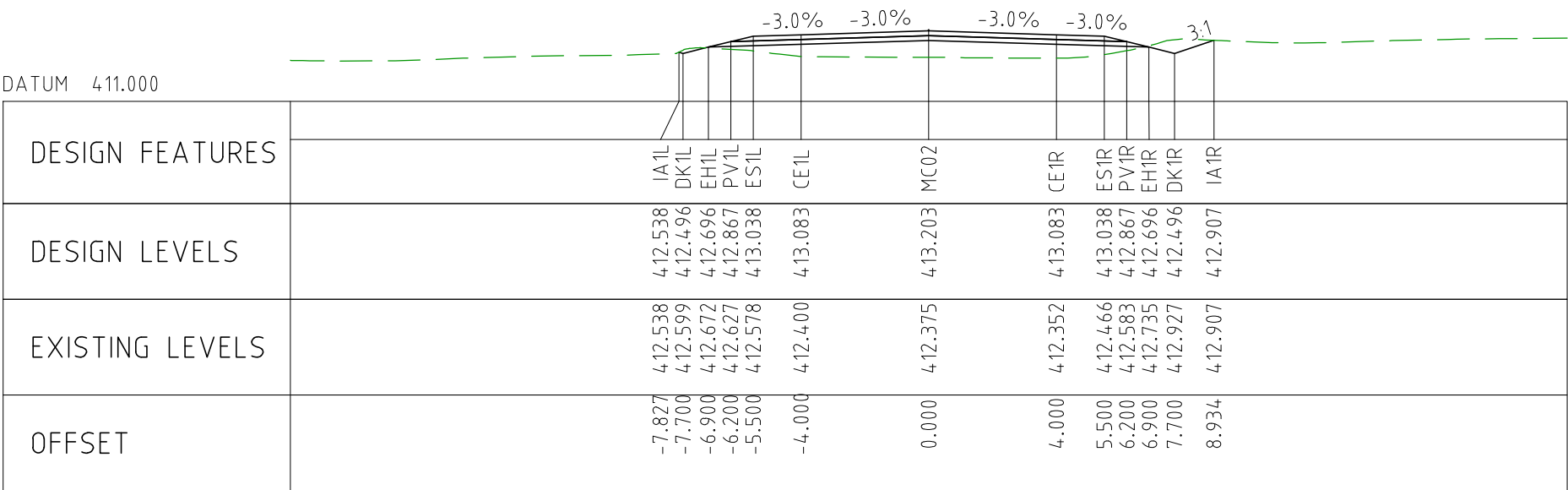
CHAINAGE 41750



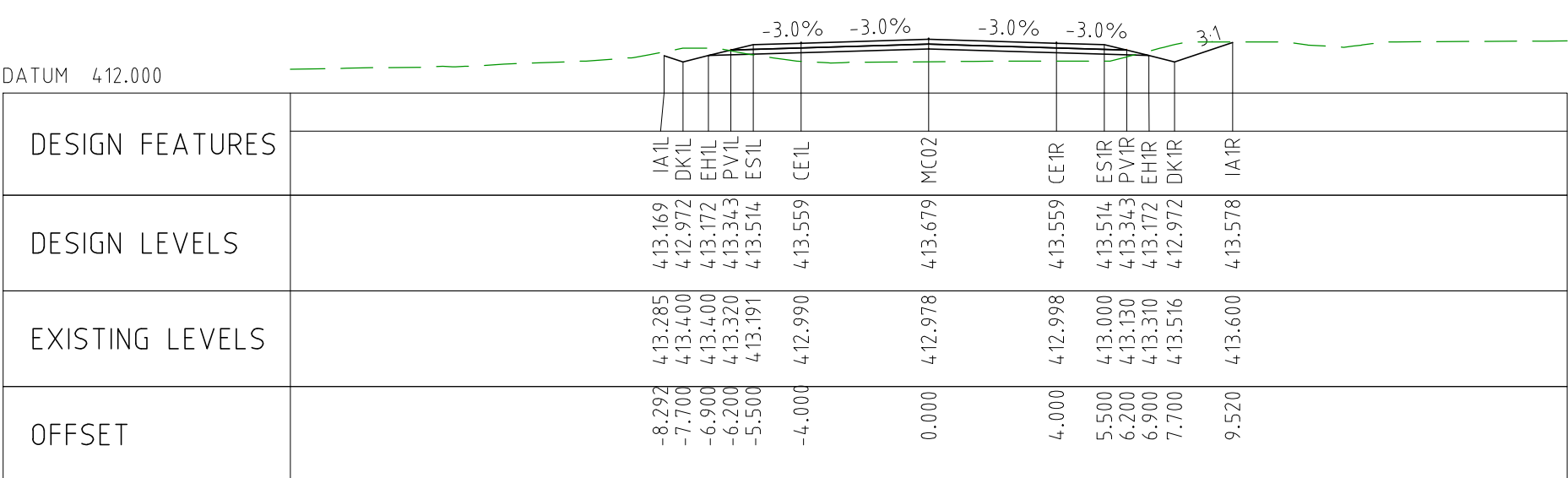
CHAINAGE 41700



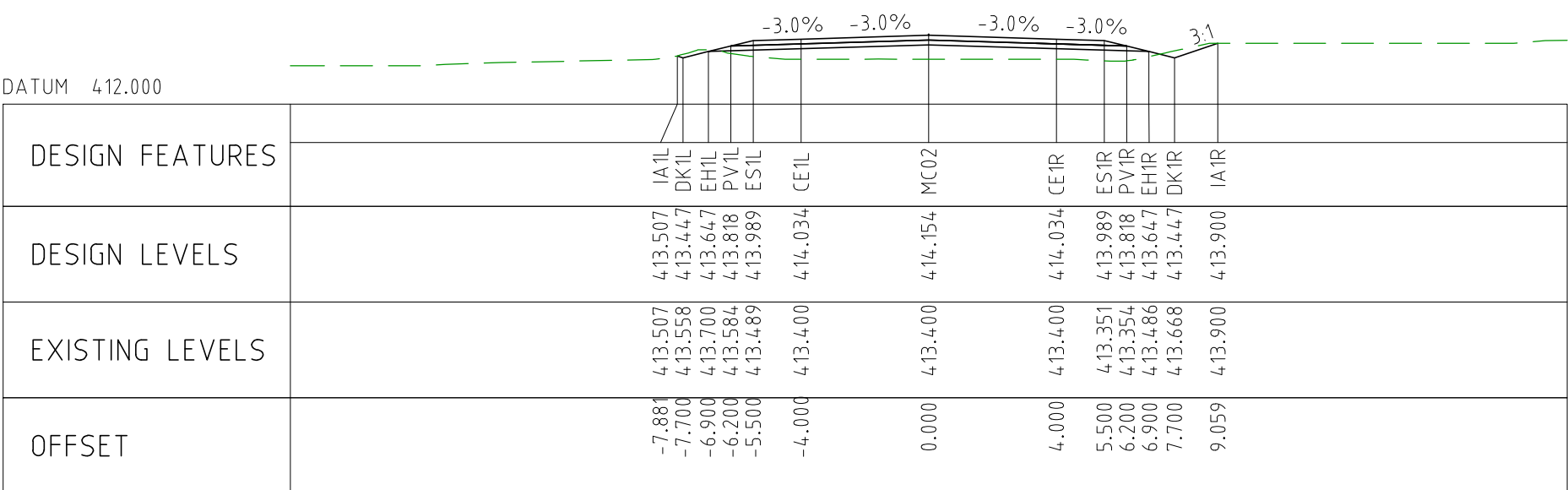
CHAINAGE 42150



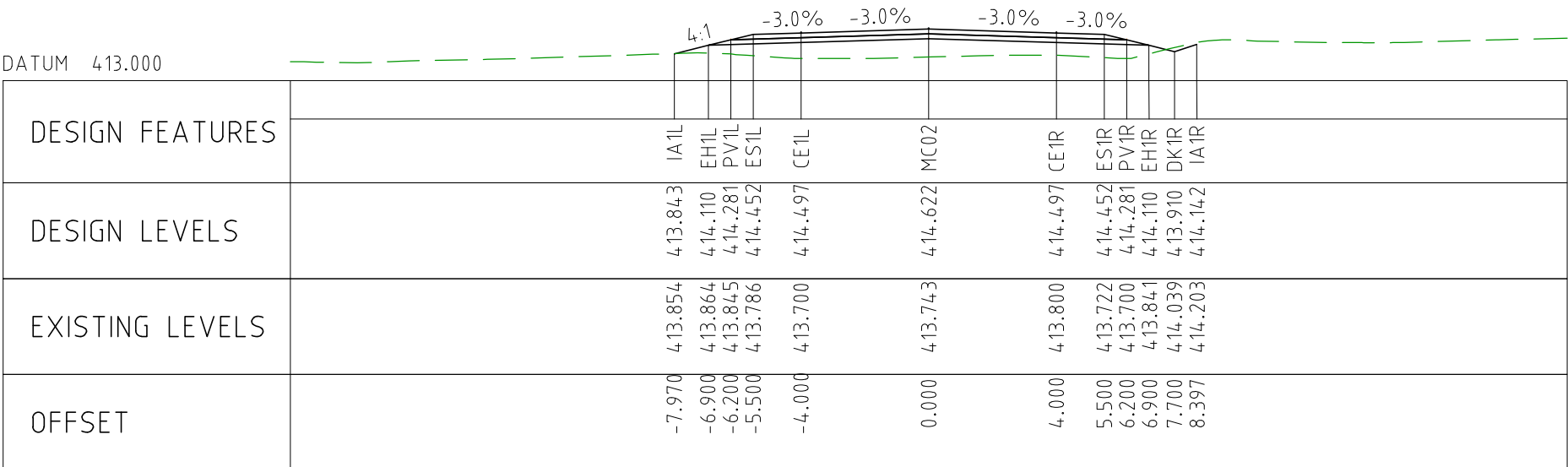
CHAINAGE 42100



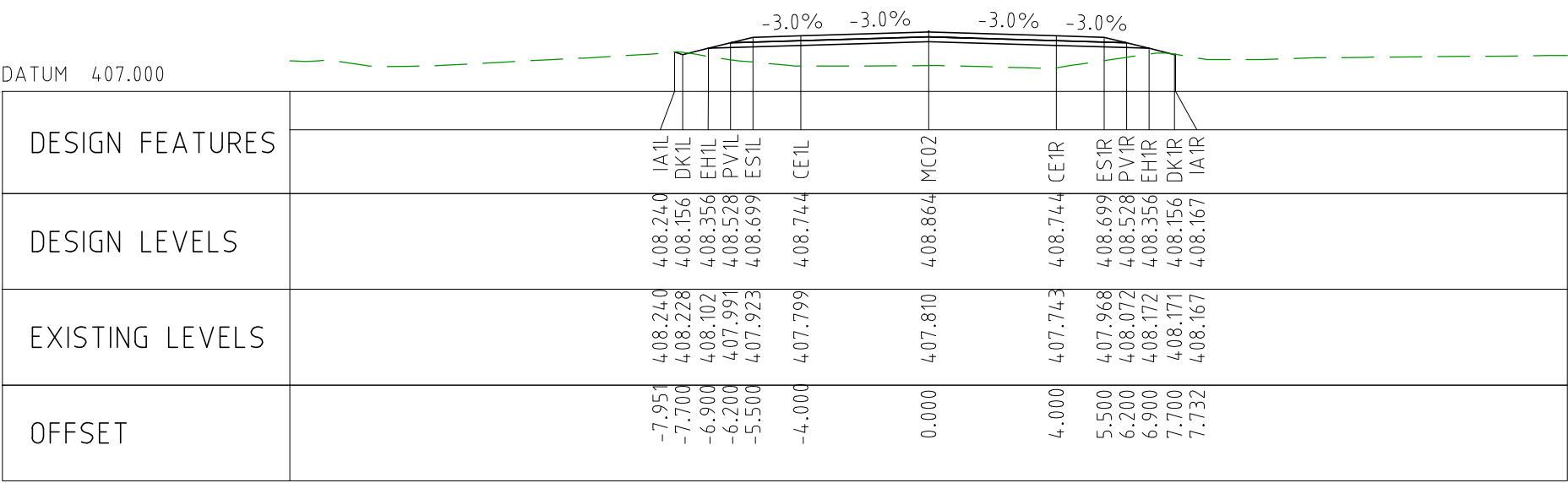
CHAINAGE 42050



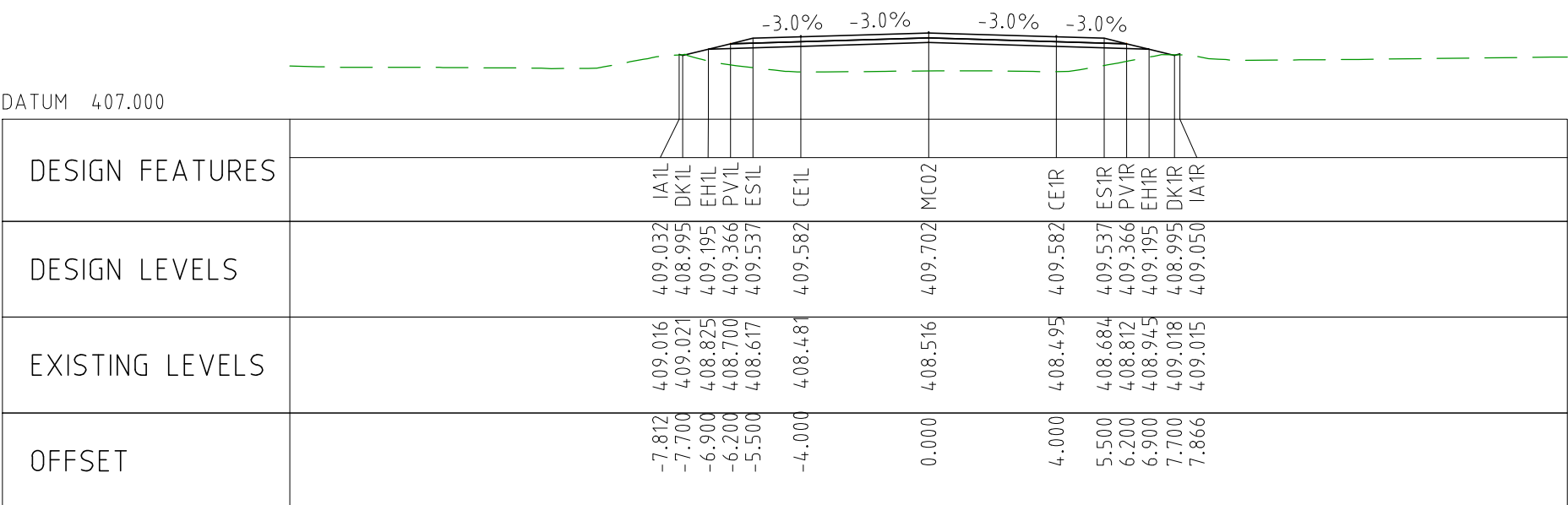
CHAINAGE 42000



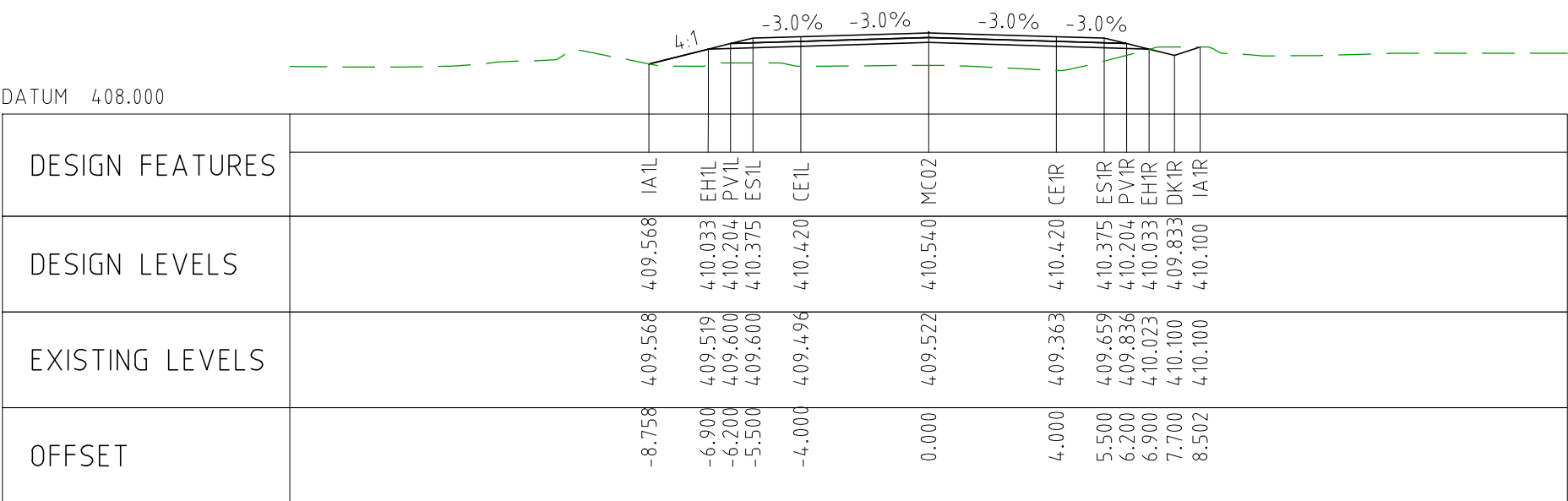
CHAINAGE 41950



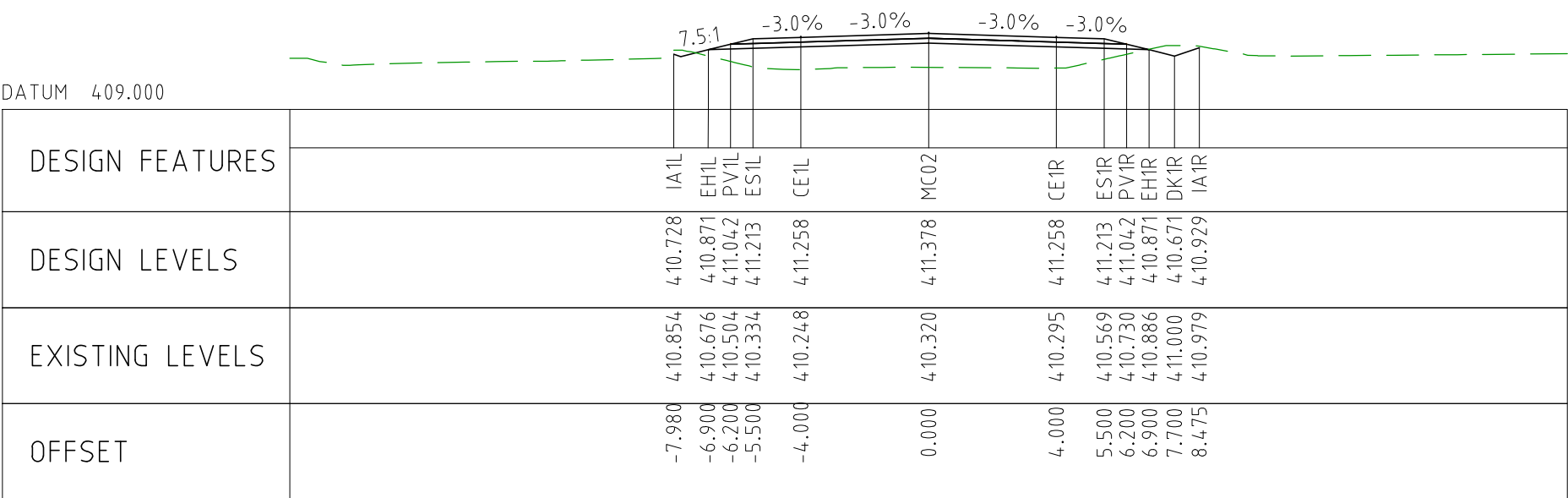
CHAINAGE 42400



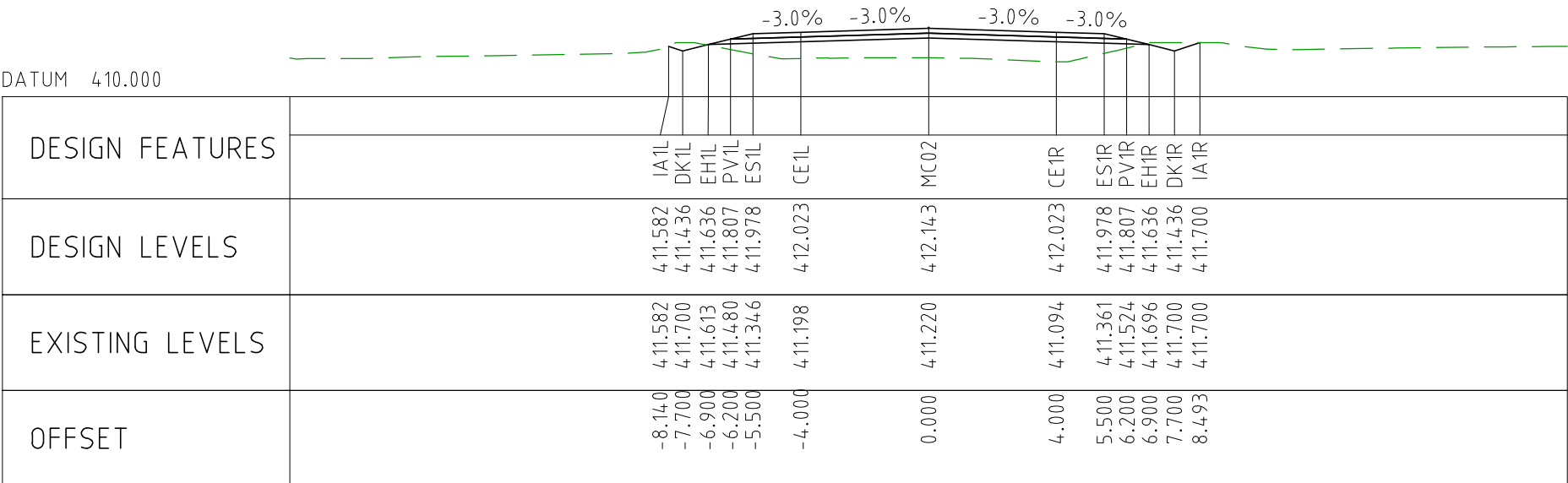
CHAINAGE 42350



CHAINAGE 42300

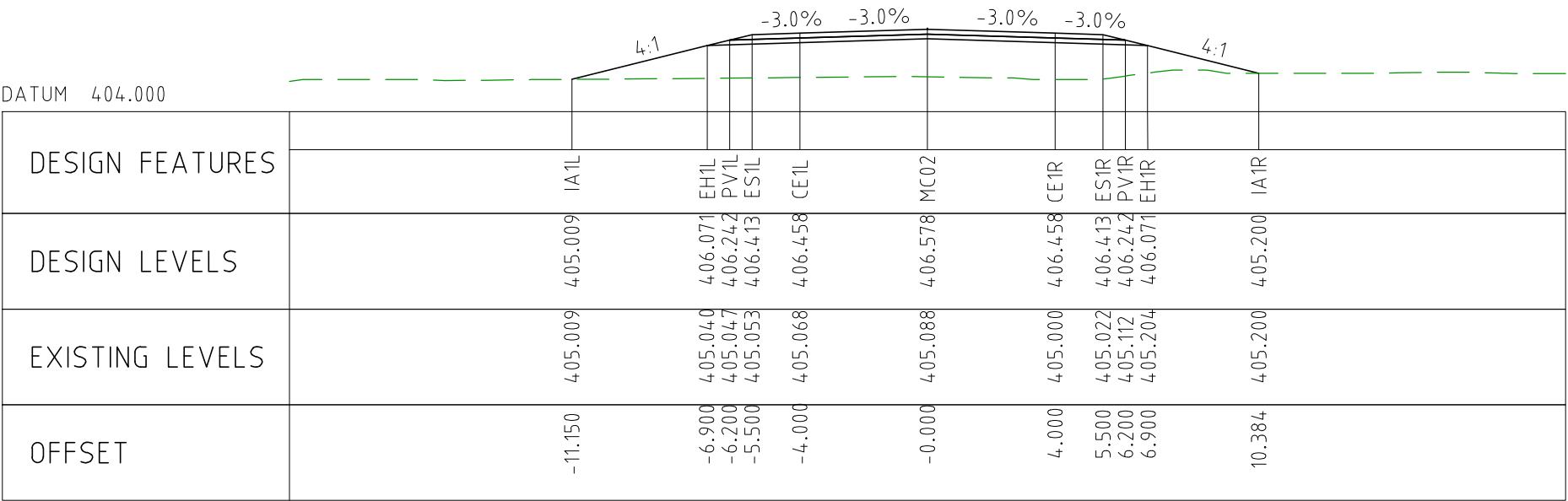


CHAINAGE 42250

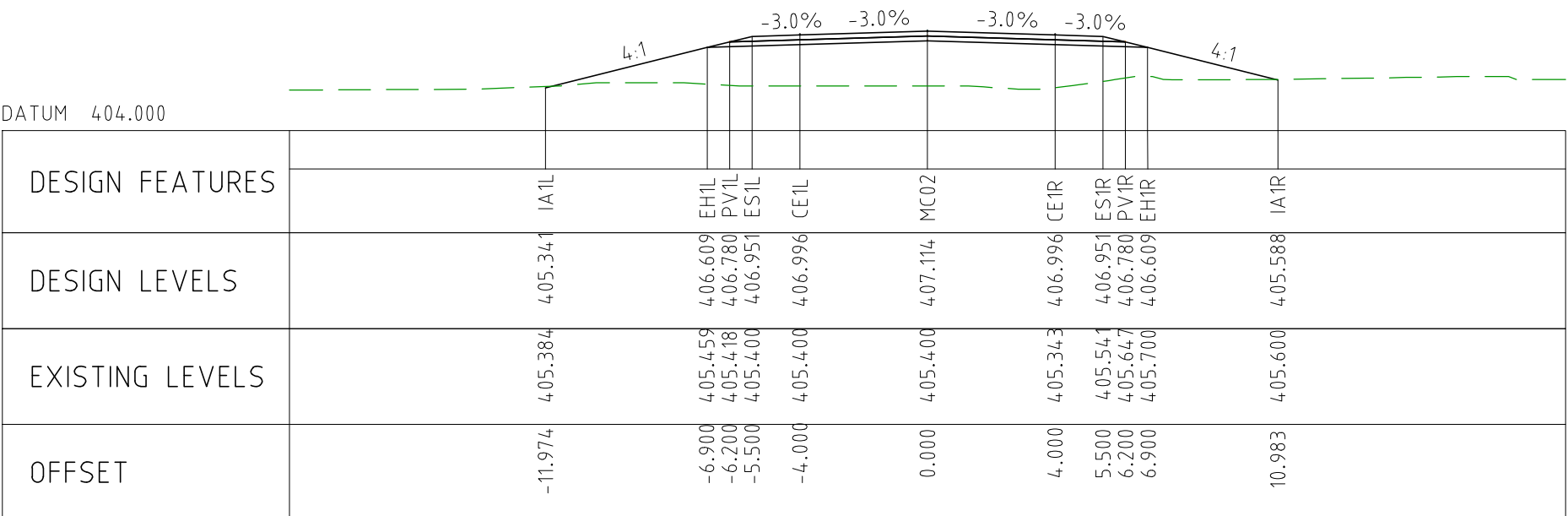


CHAINAGE 42200

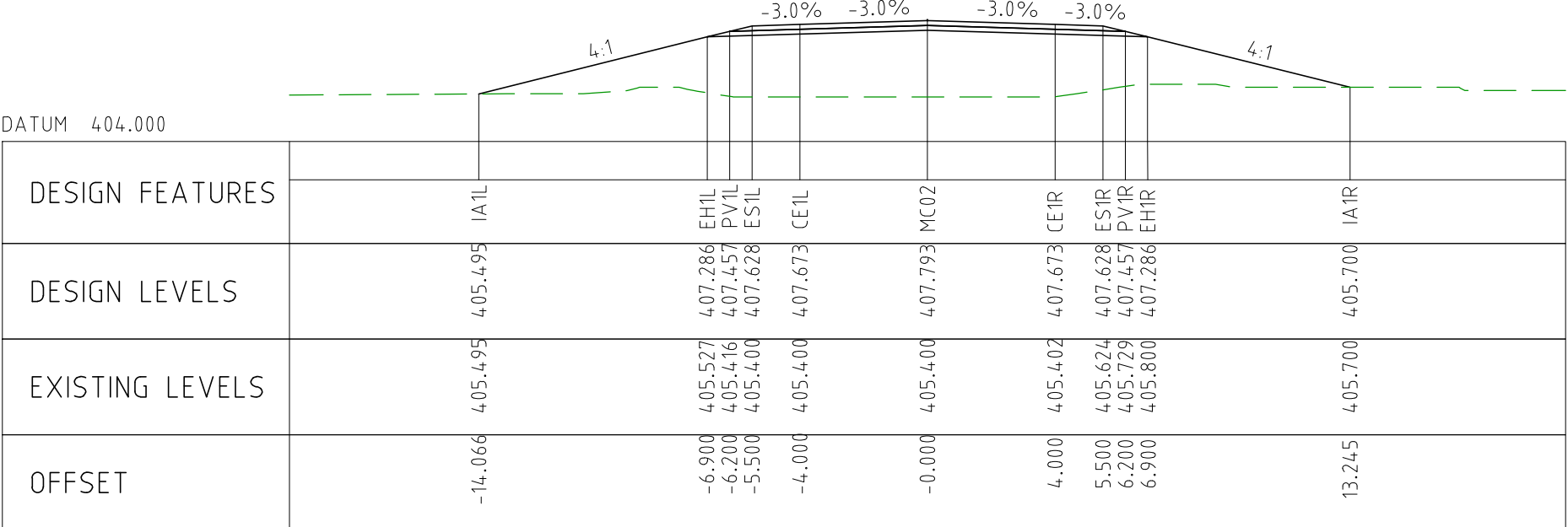
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS57.dwg				PLOT DATE 04 Nov 2022		TIME 15:56:57	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	DG
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RI
					SCALES AT A1 SIZE DRAWING		DESIGNER
					SCALE 1:200		SMC
							Member of the Surbana Jurong Group © ABN 47 065 475 149
							SMC PROJECT No 3006493
							CLIENT
							PROJECT TITLE
							MOUNT HOLLAND LITHIUM MINE
							PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 16 OF 27
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS57		REVISION 0	



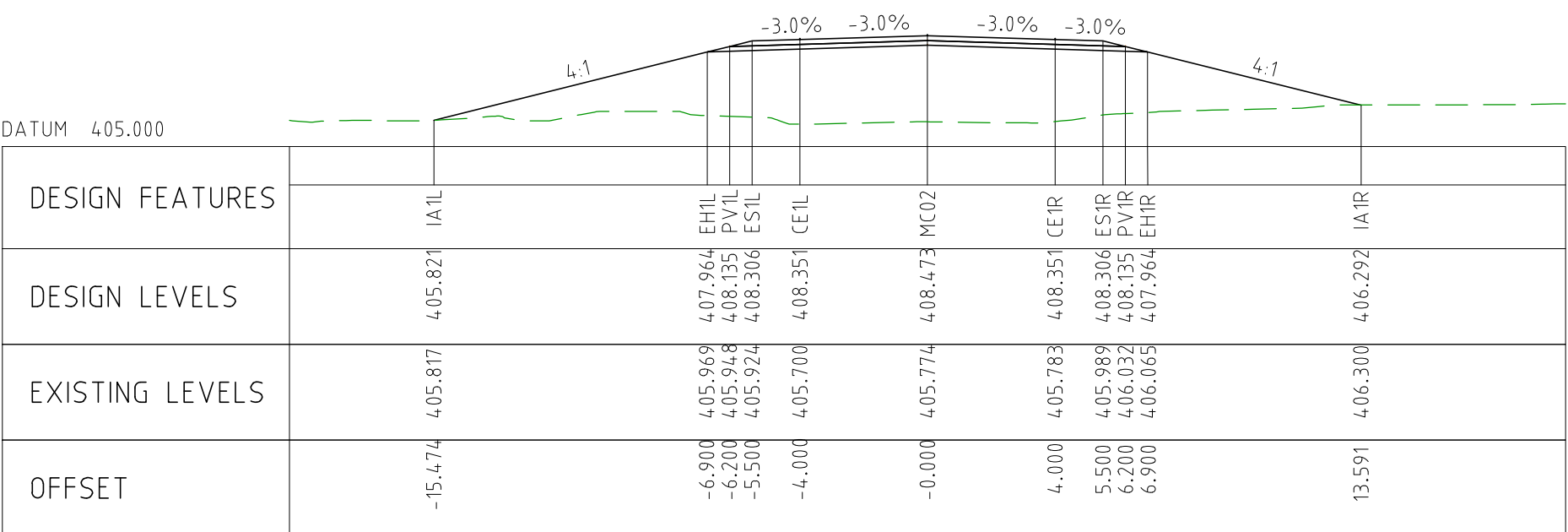
CHAINAGE 43400



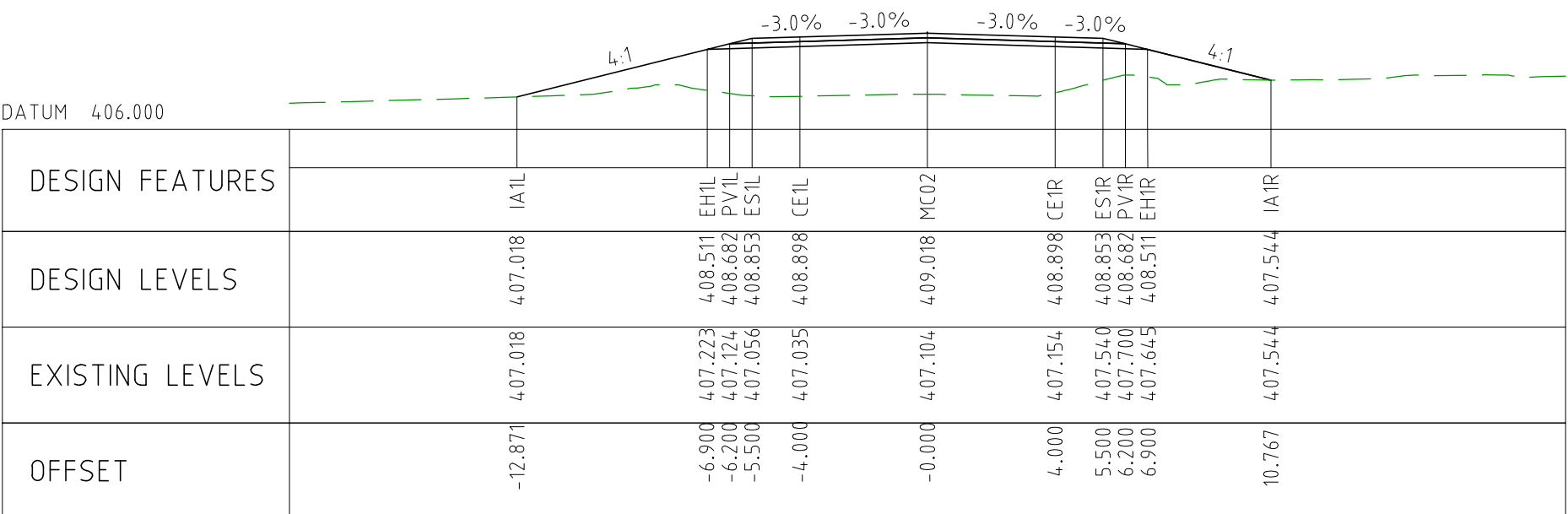
CHAINAGE 43350



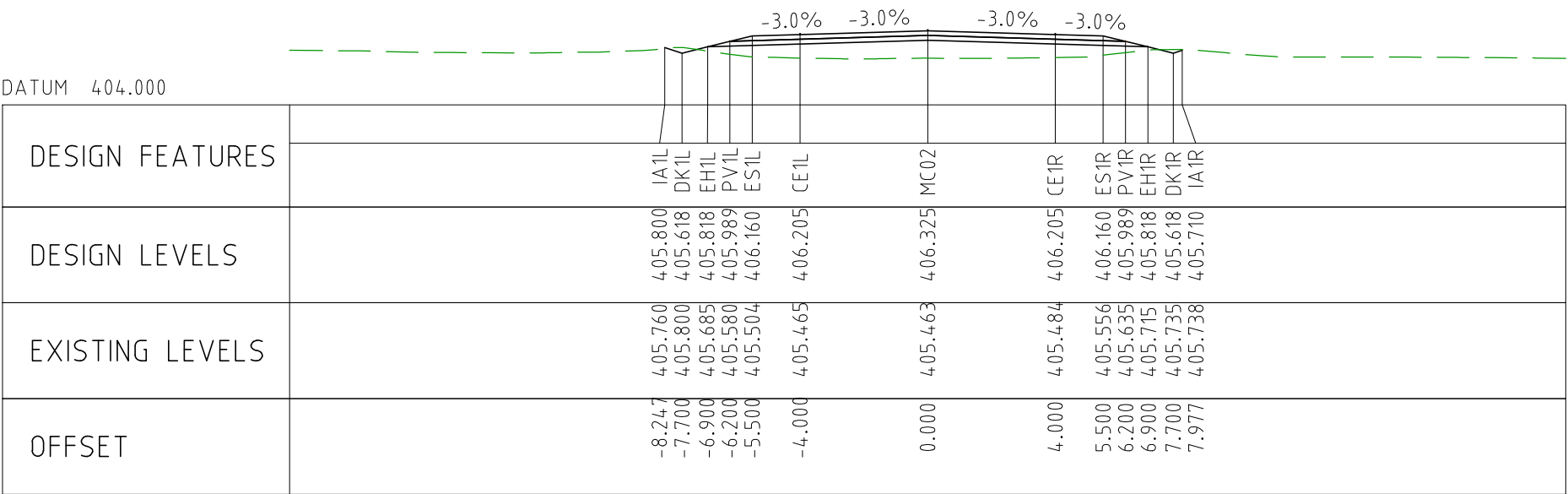
CHAINAGE 43300



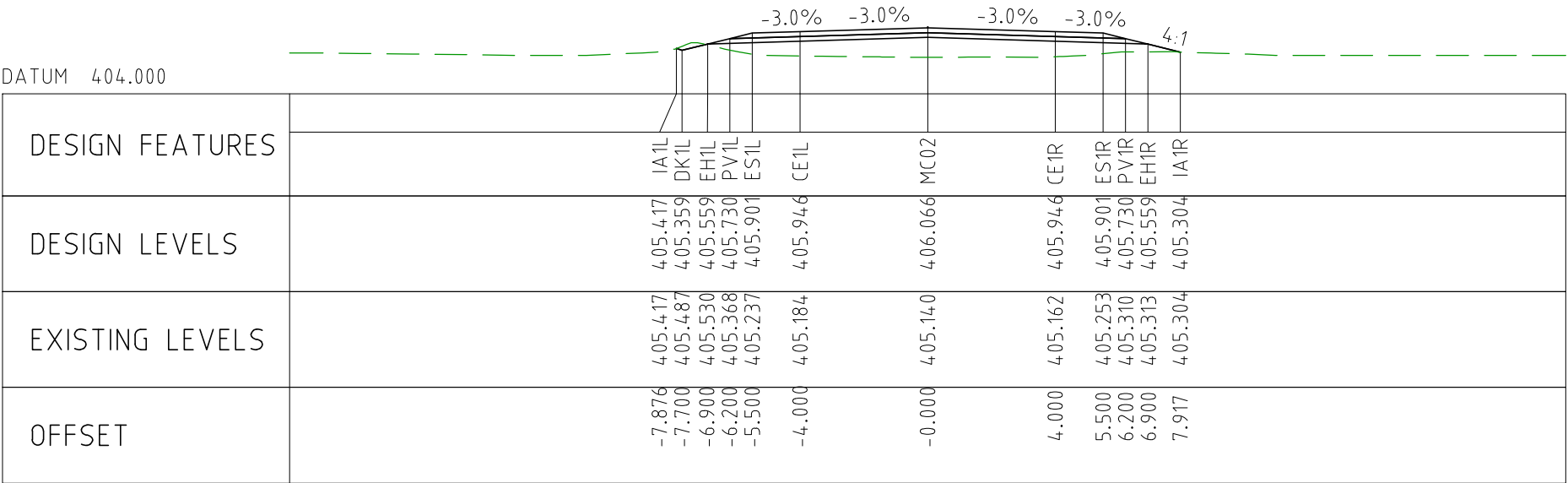
CHAINAGE 43250



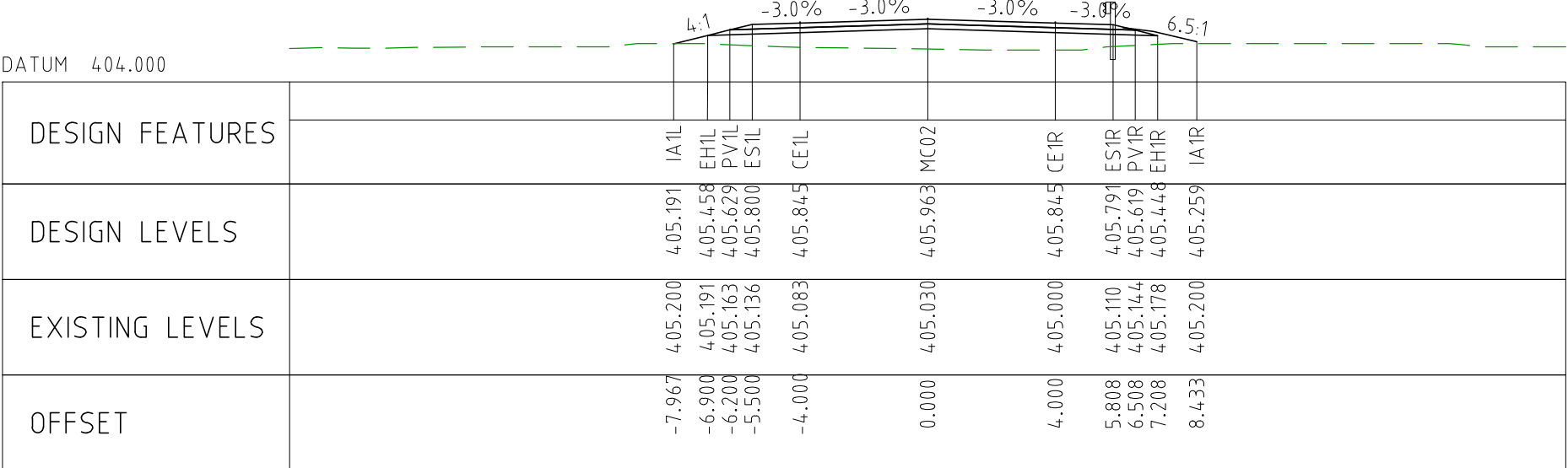
CHAINAGE 43200



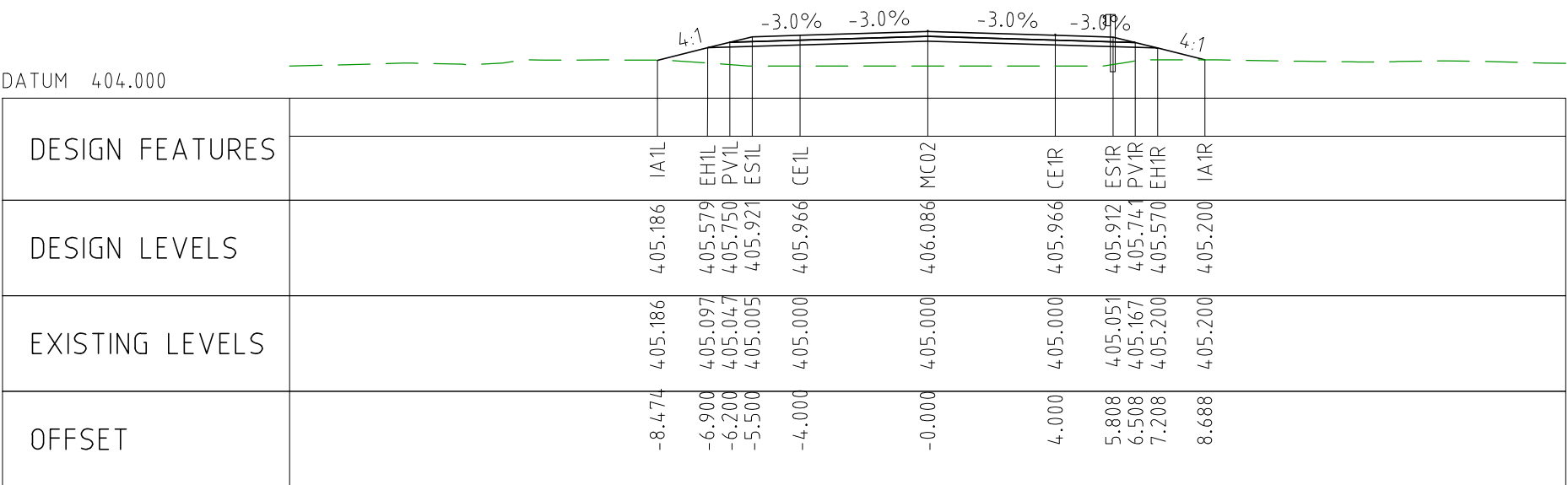
CHAINAGE 43650



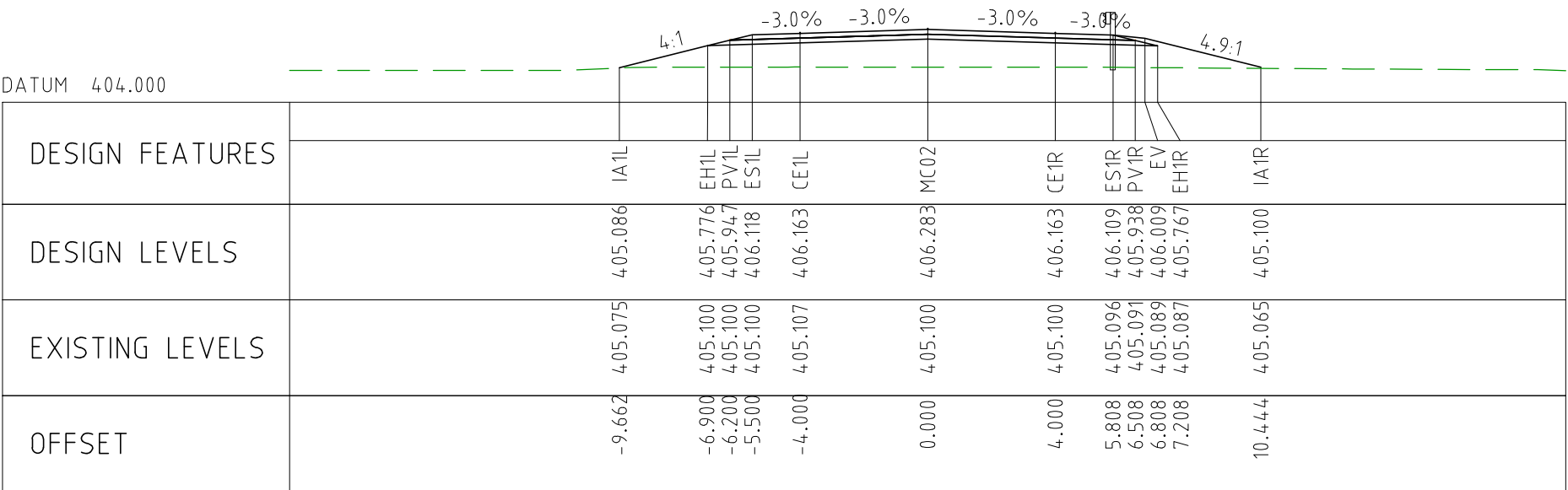
CHAINAGE 43600



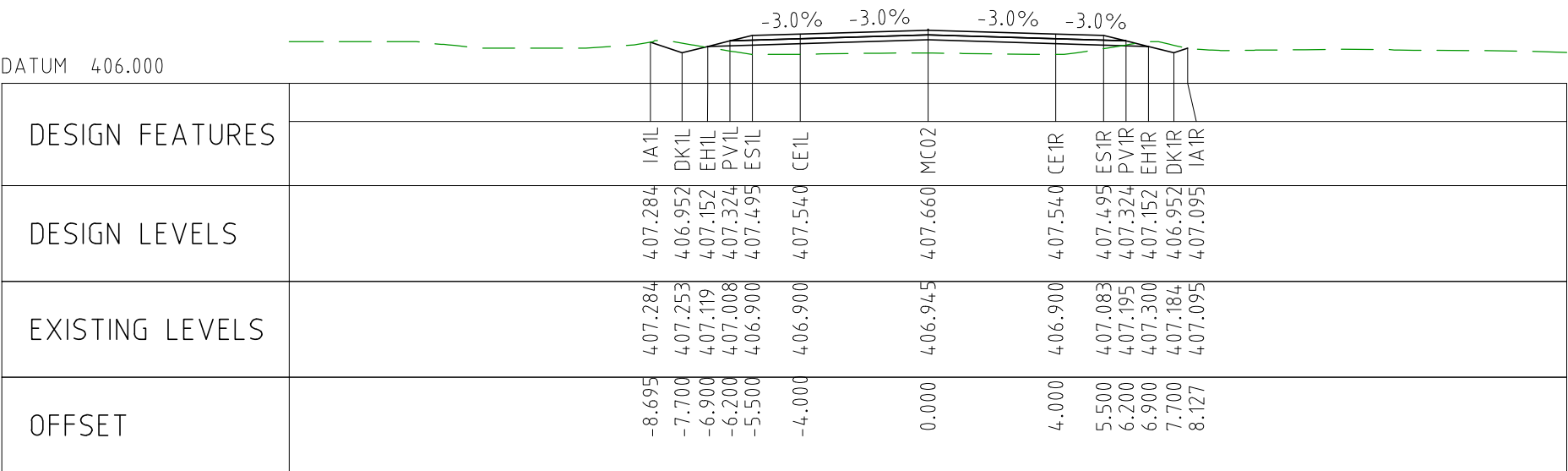
CHAINAGE 43550



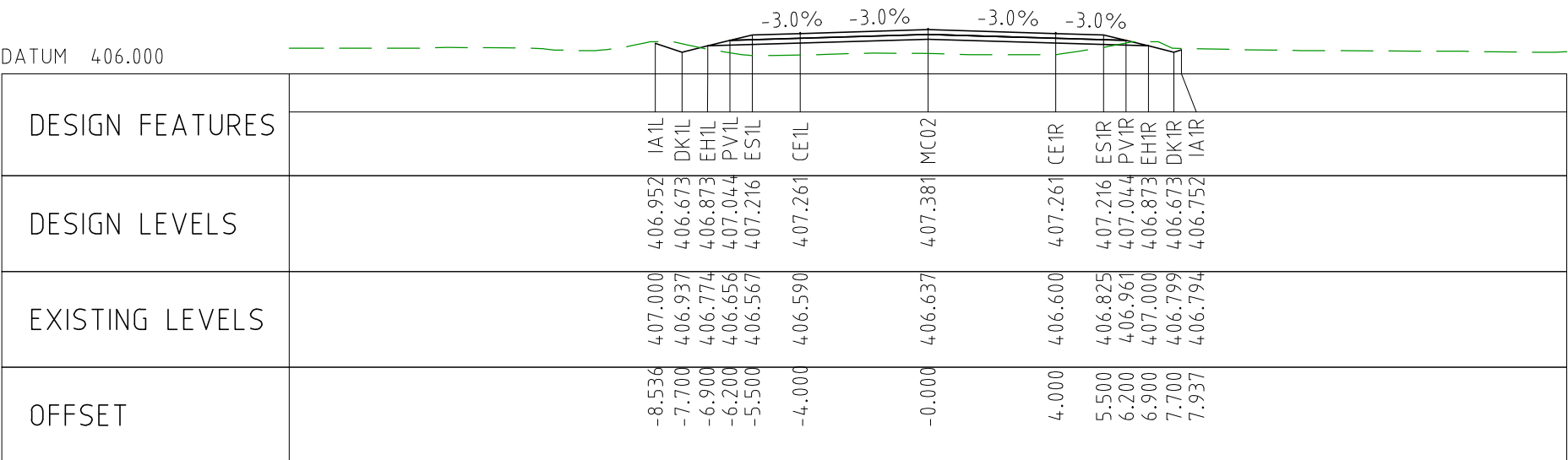
CHAINAGE 43500



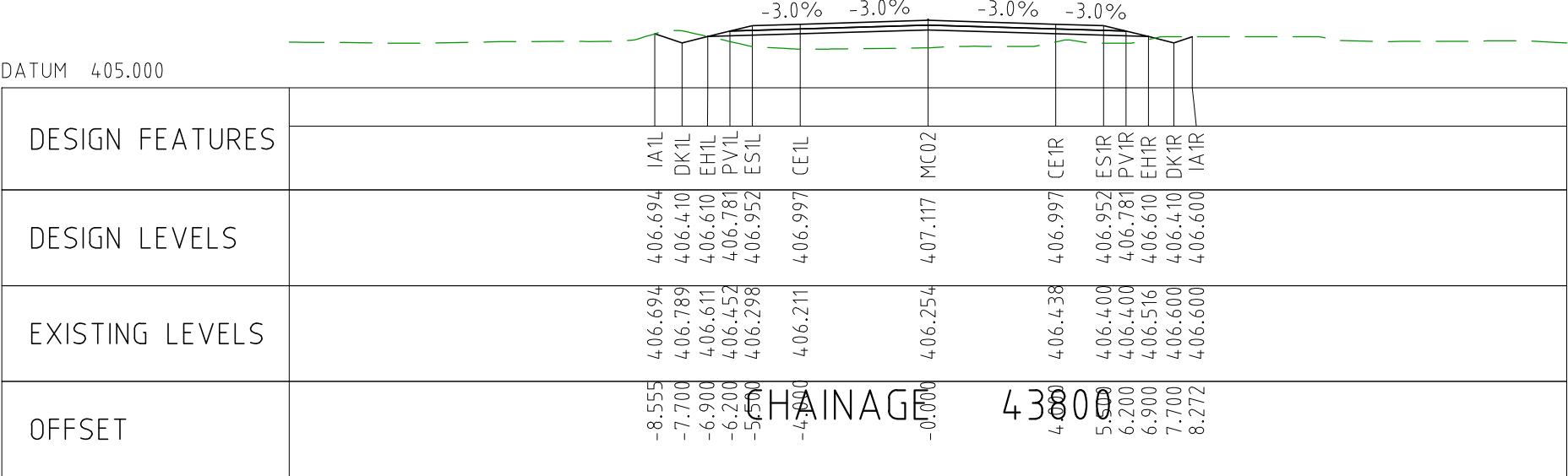
CHAINAGE 43450



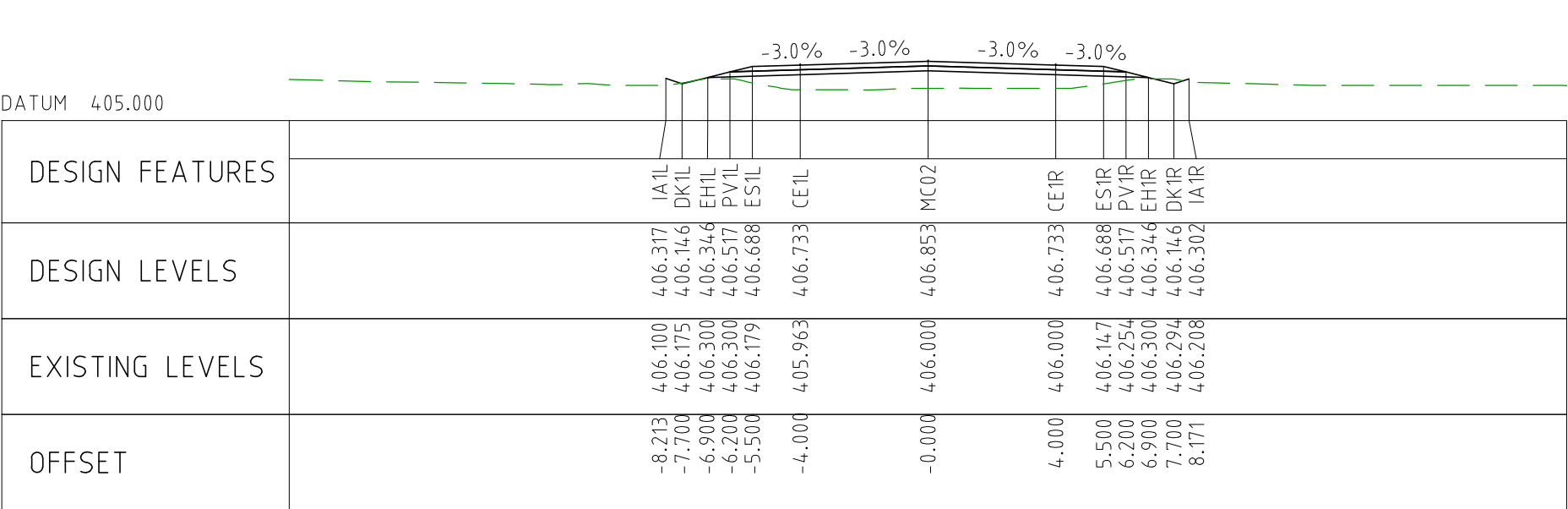
CHAINAGE 43900



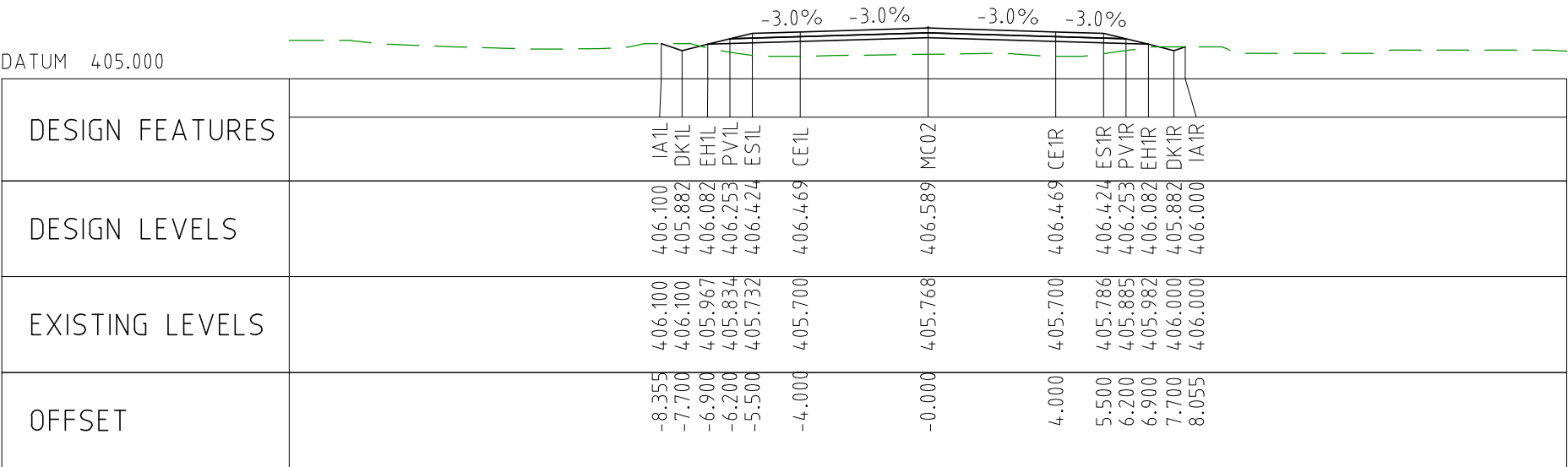
CHAINAGE 43850





CHAINAGE 43800

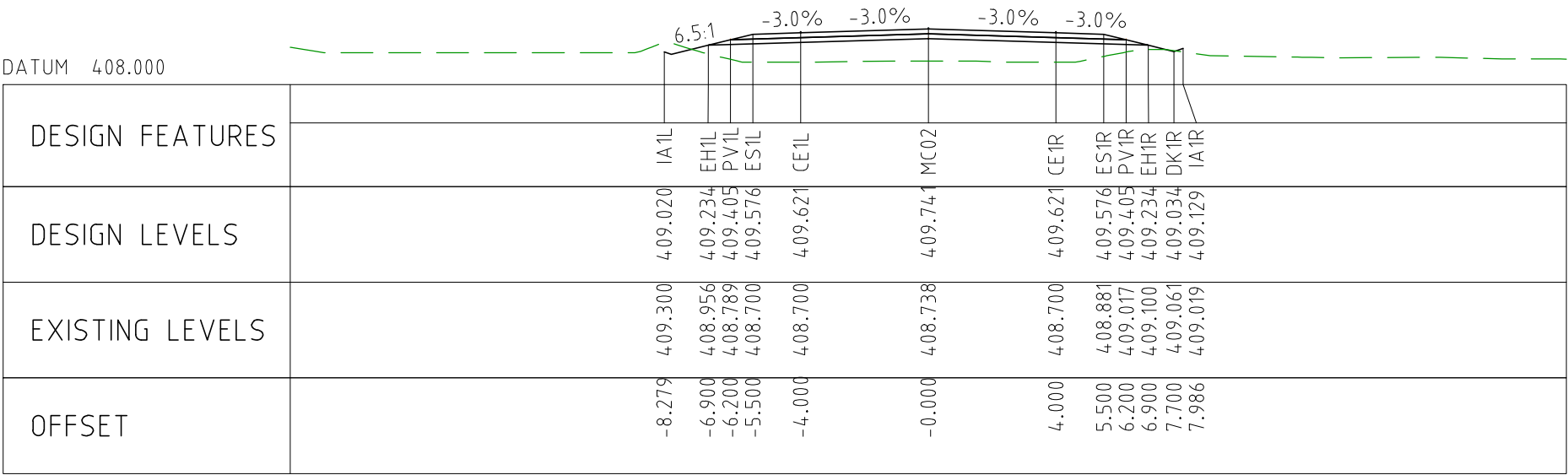


CHAINAGE 43750

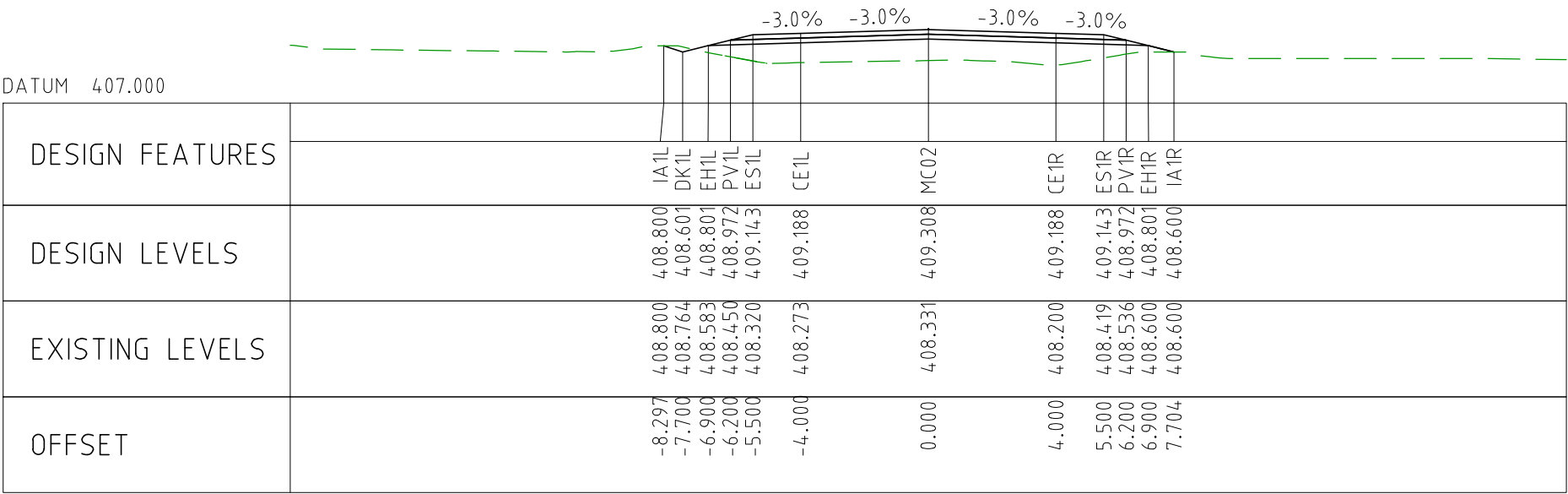


CHAINAGE 43700

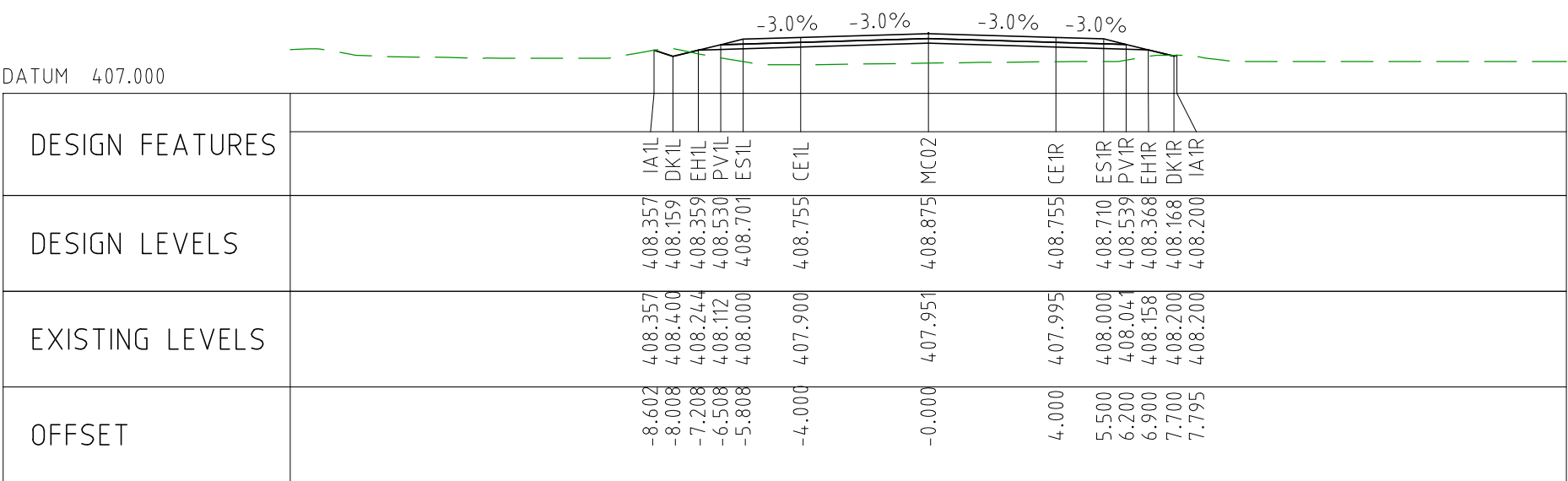
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS59.dwg				PLOT DATE 04 Nov 2022		TIME 15:58:05	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	DG
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RI
SCALES AT A1 SIZE DRAWING				DESIGNER			
SCALE 1:200				 Member of the Surbana Jurong Group © ABN 47 065 475 149			
				SMC PROJECT No 3006493			
				CLIENT			
							
				PROJECT TITLE MOUNT HOLLAND LITHIUM MINE			
				PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 18 OF 27			
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS59		REVISION 0	



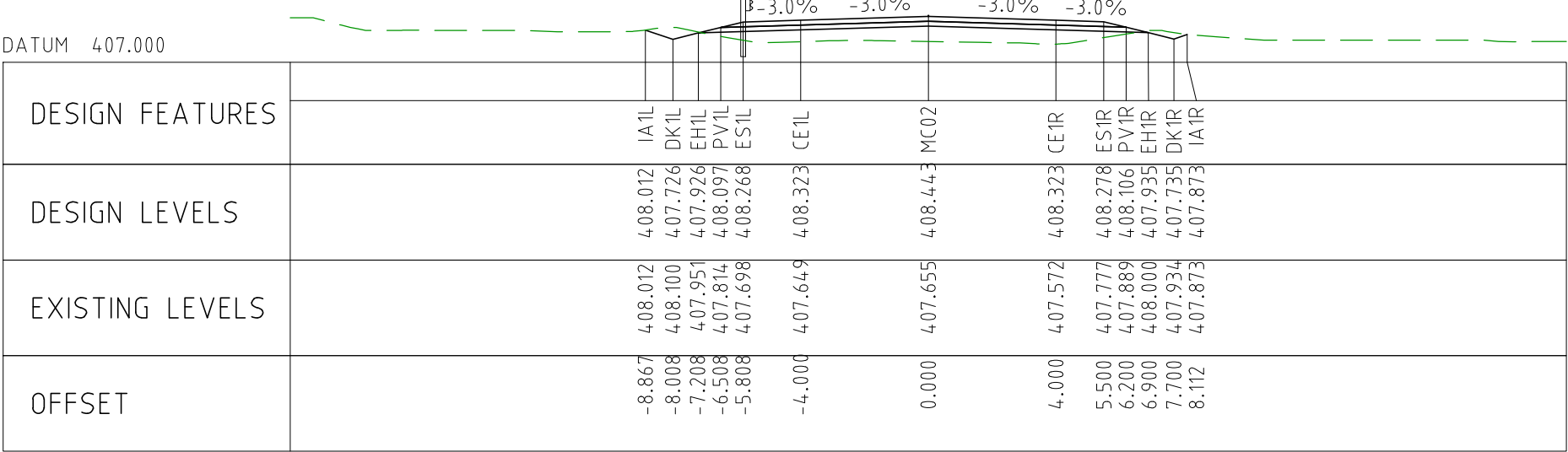
CHAINAGE 44150



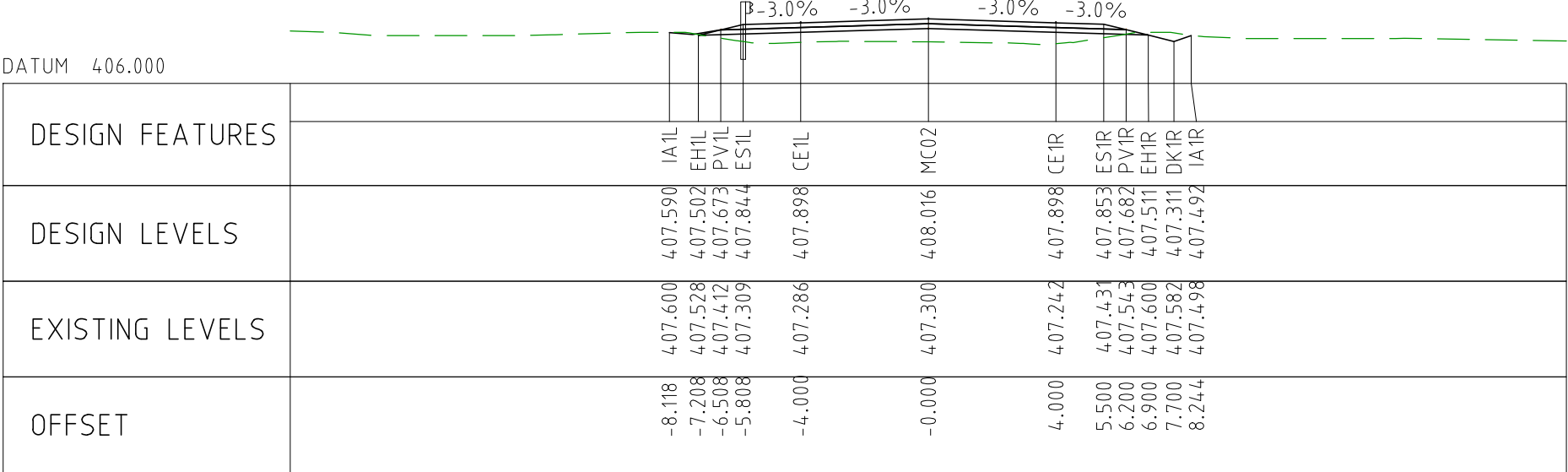
CHAINAGE 44100



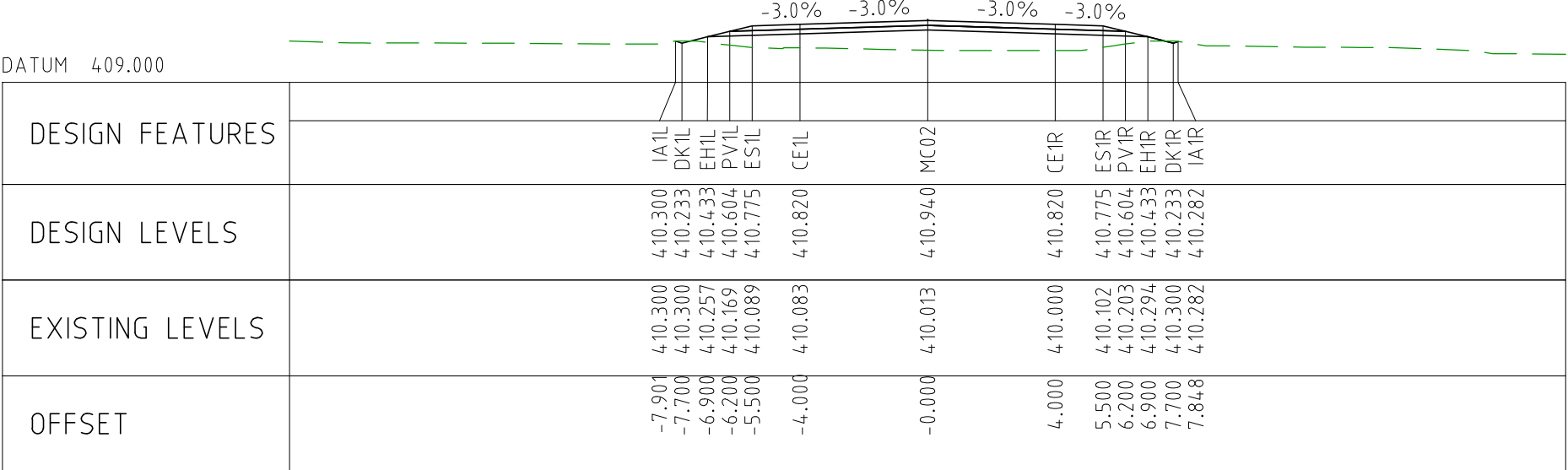
CHAINAGE 44050



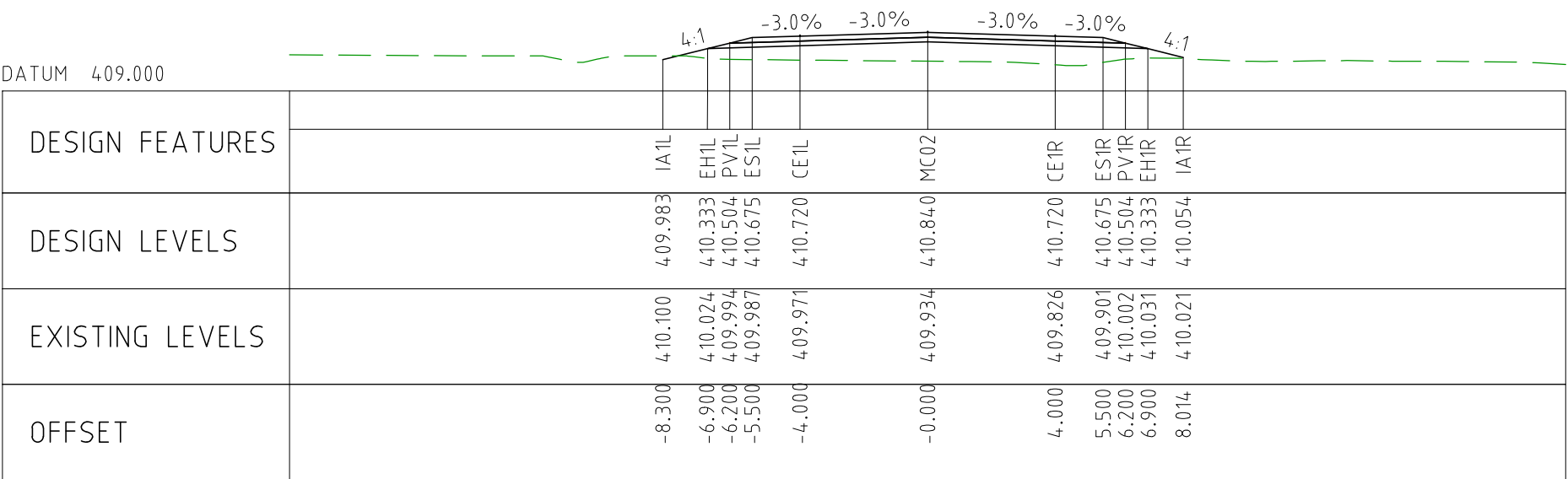
CHAINAGE 44000



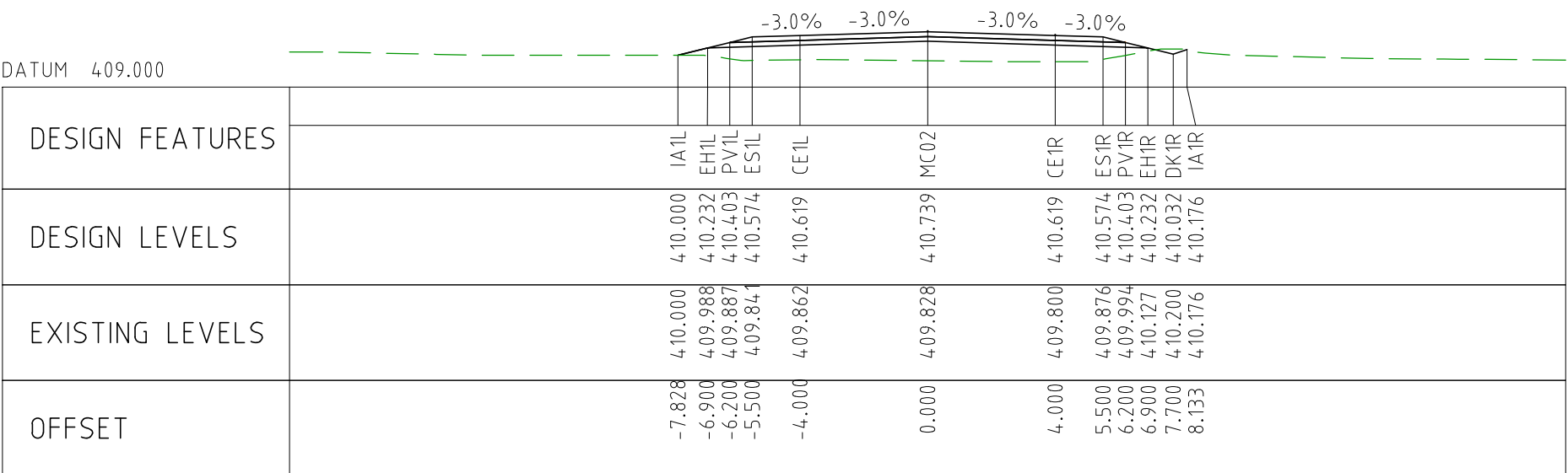
CHAINAGE 43950



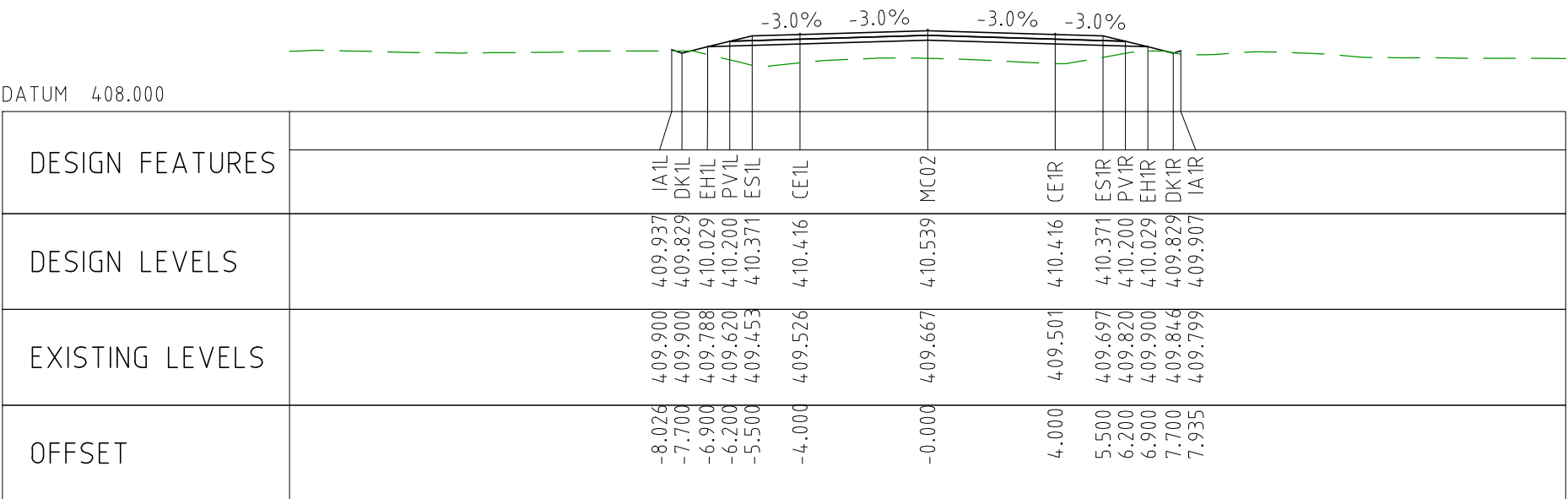
CHAINAGE 44400



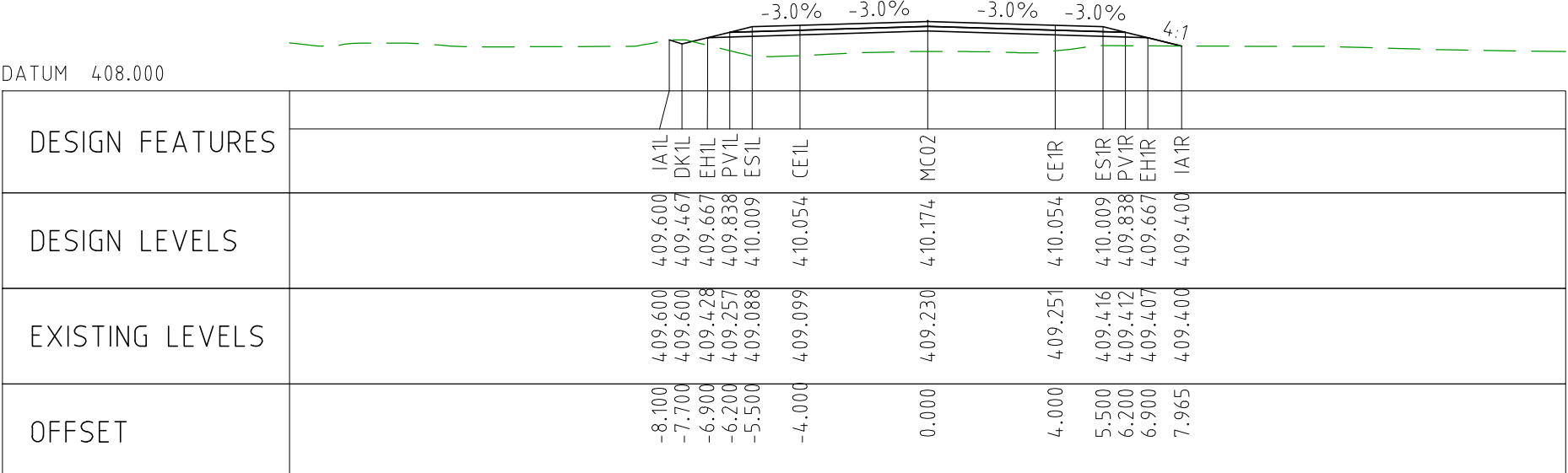
CHAINAGE 44350



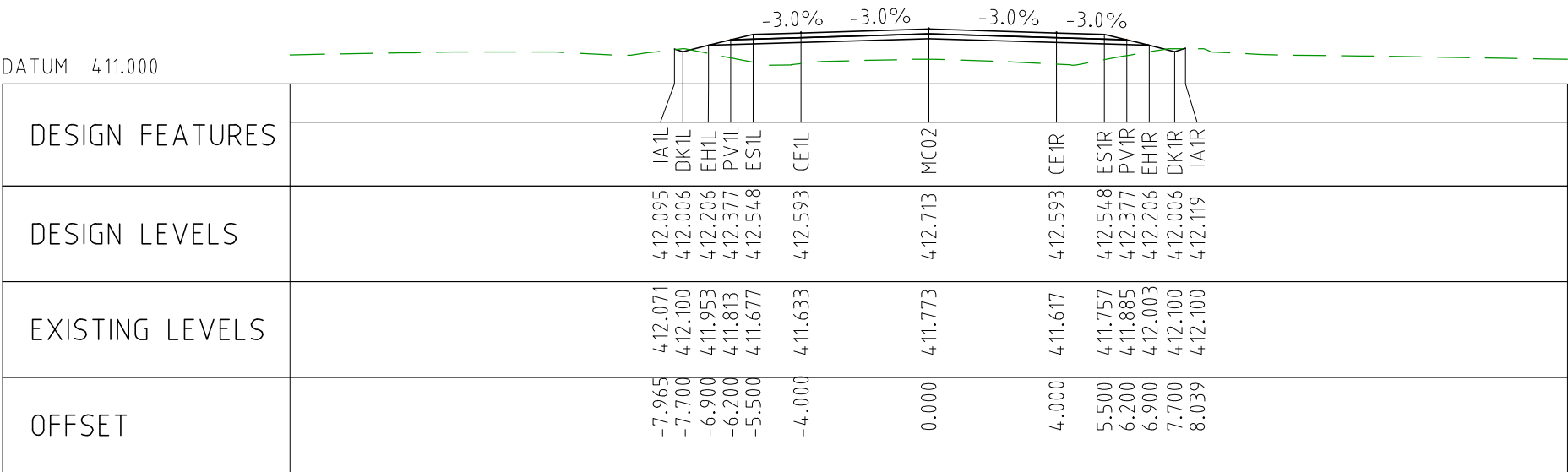
CHAINAGE 44300



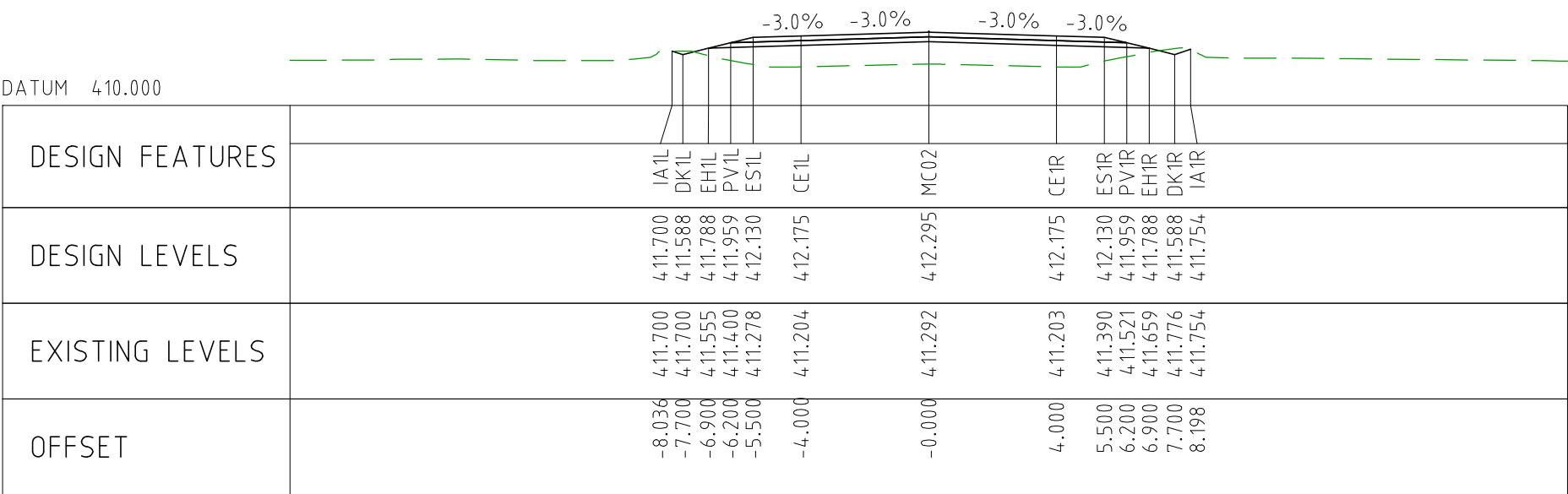
CHAINAGE 44250



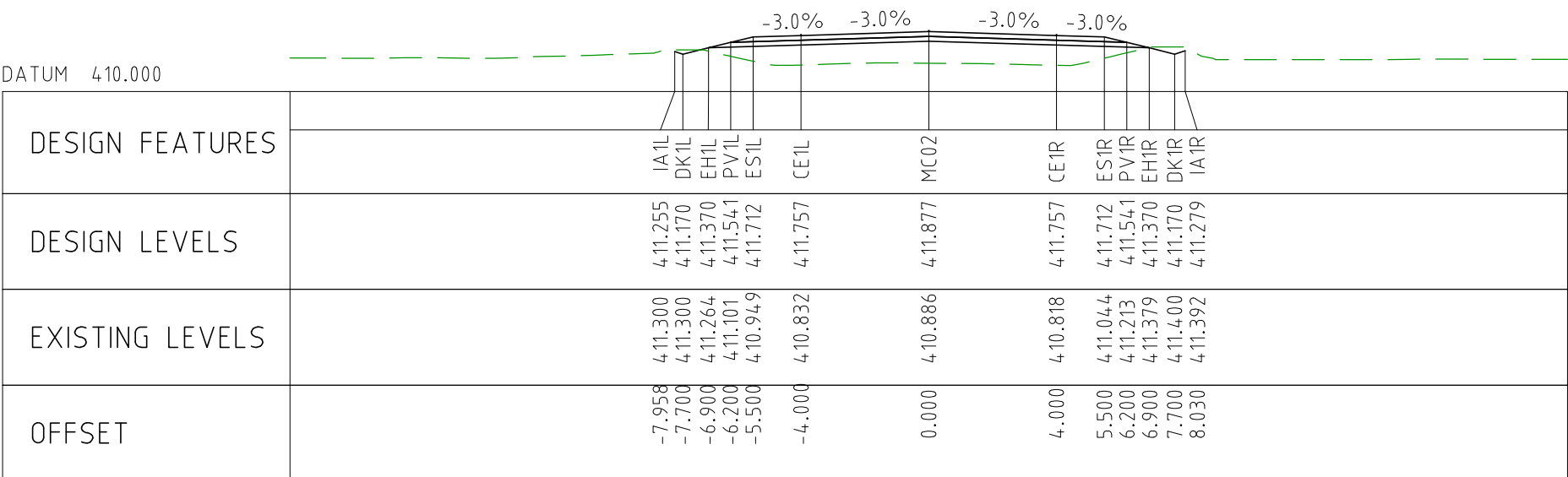
CHAINAGE 44200



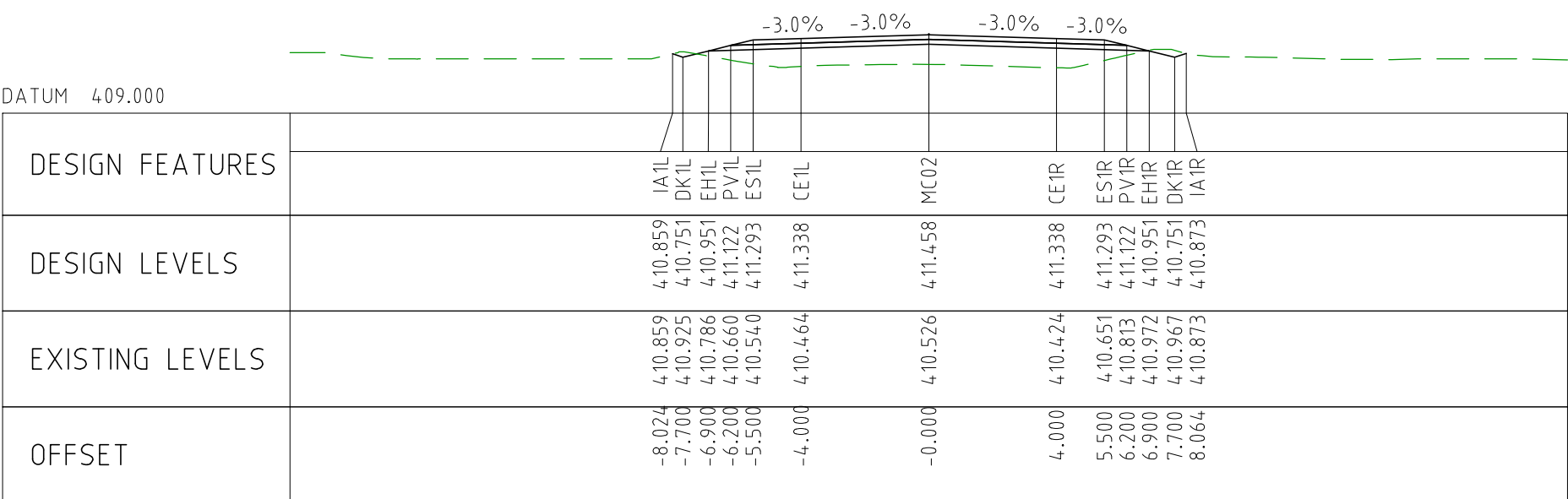
CHAINAGE 44650



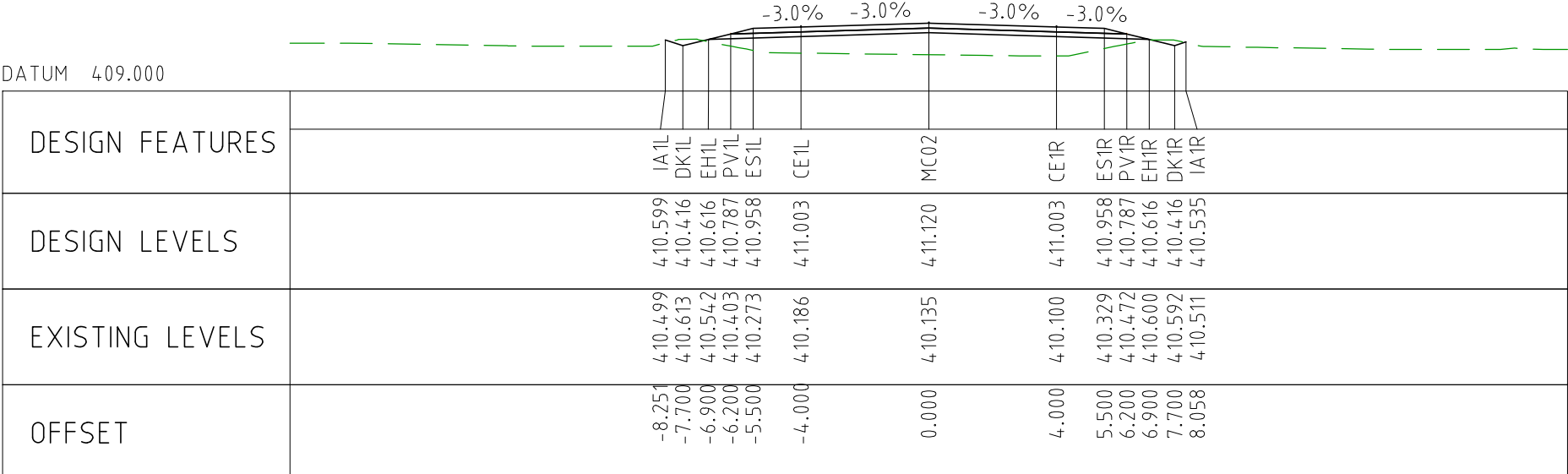
CHAINAGE 44600



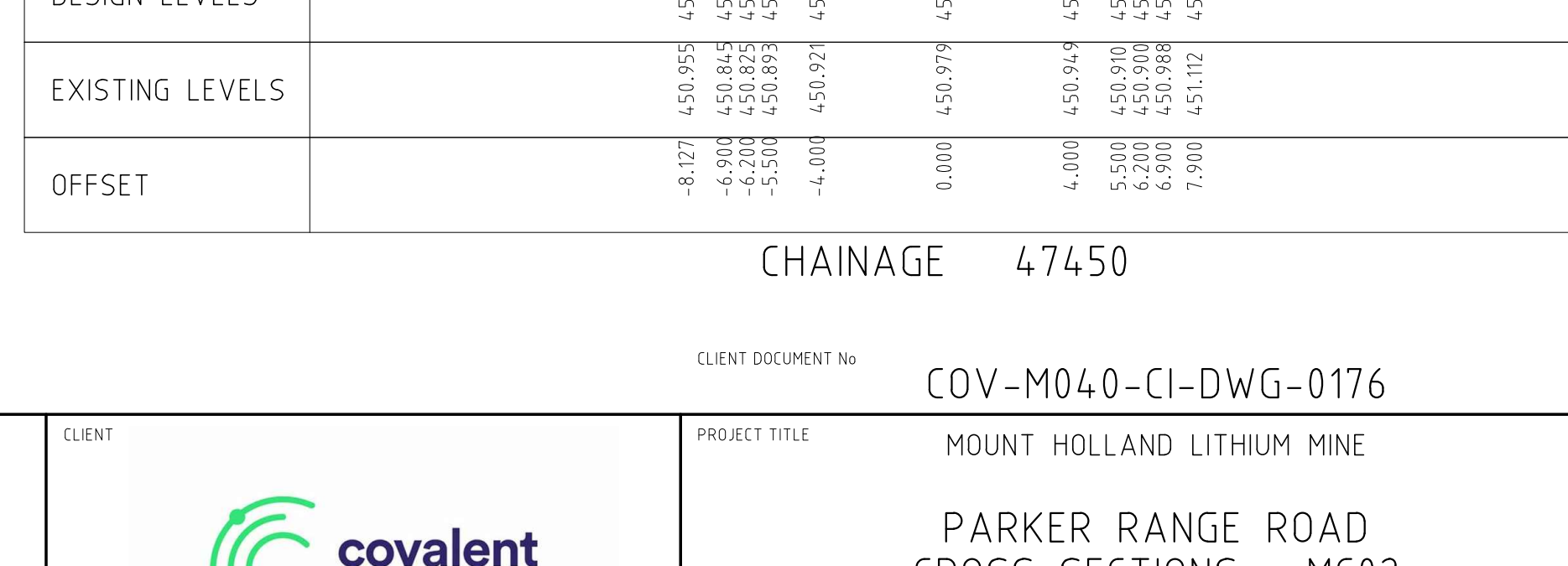
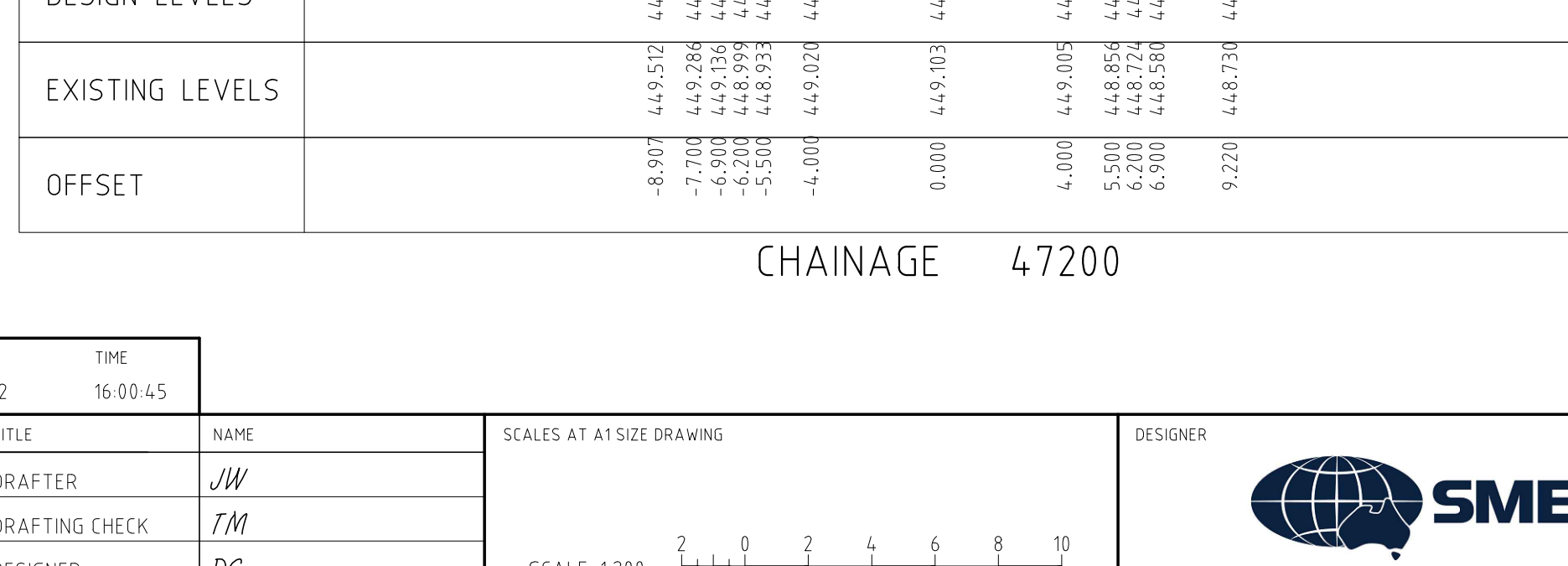
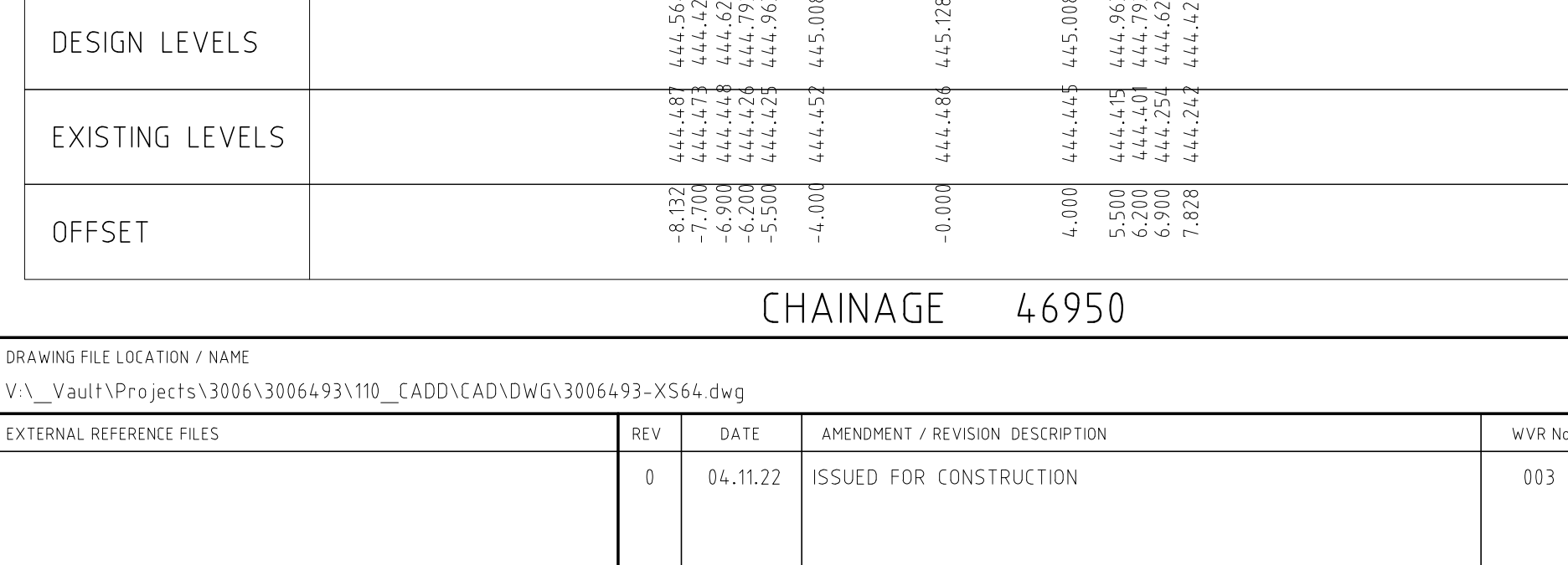
CHAINAGE 44550


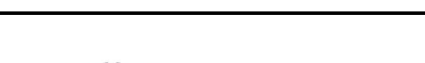



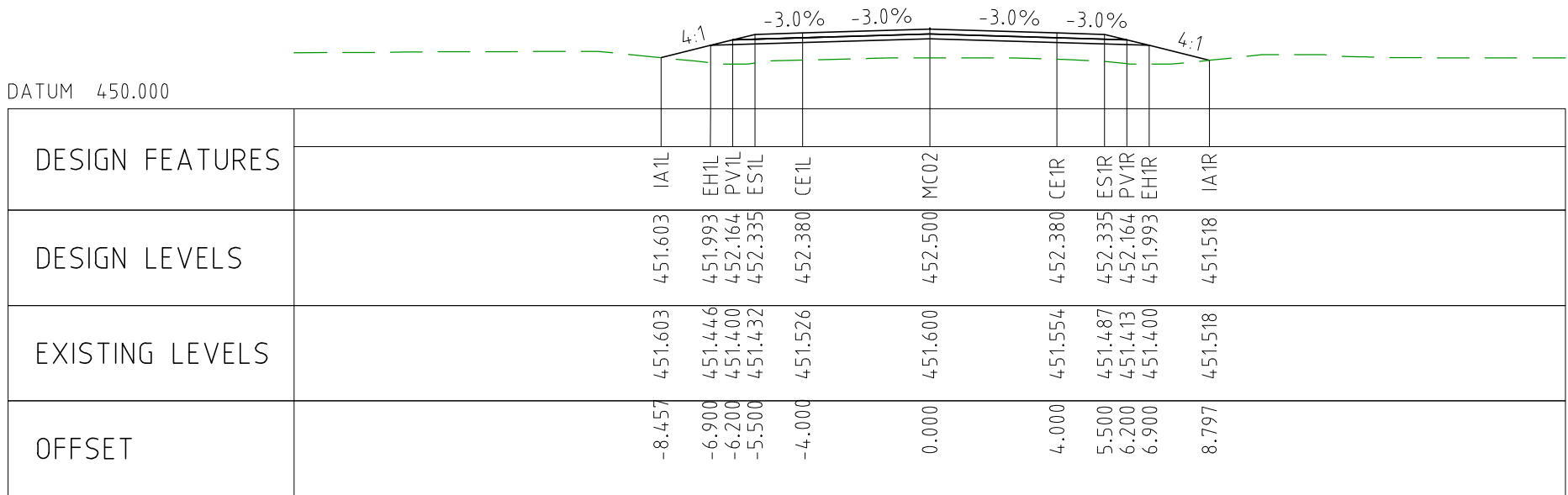
CHAINAGE 44500



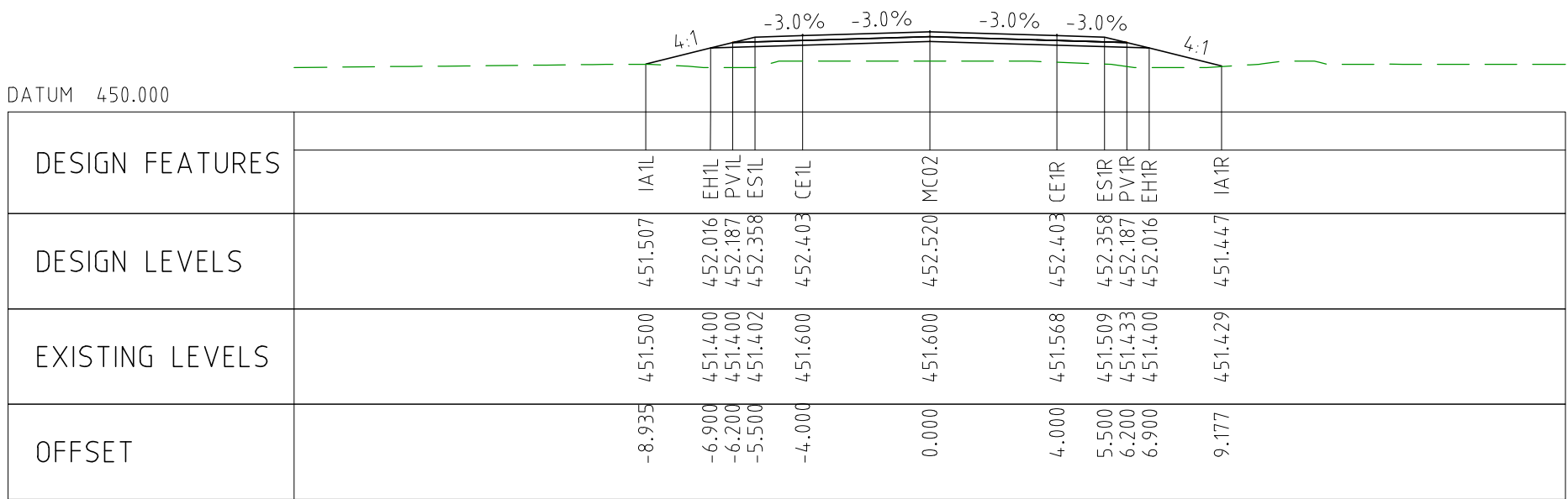
CHAINAGE 44450



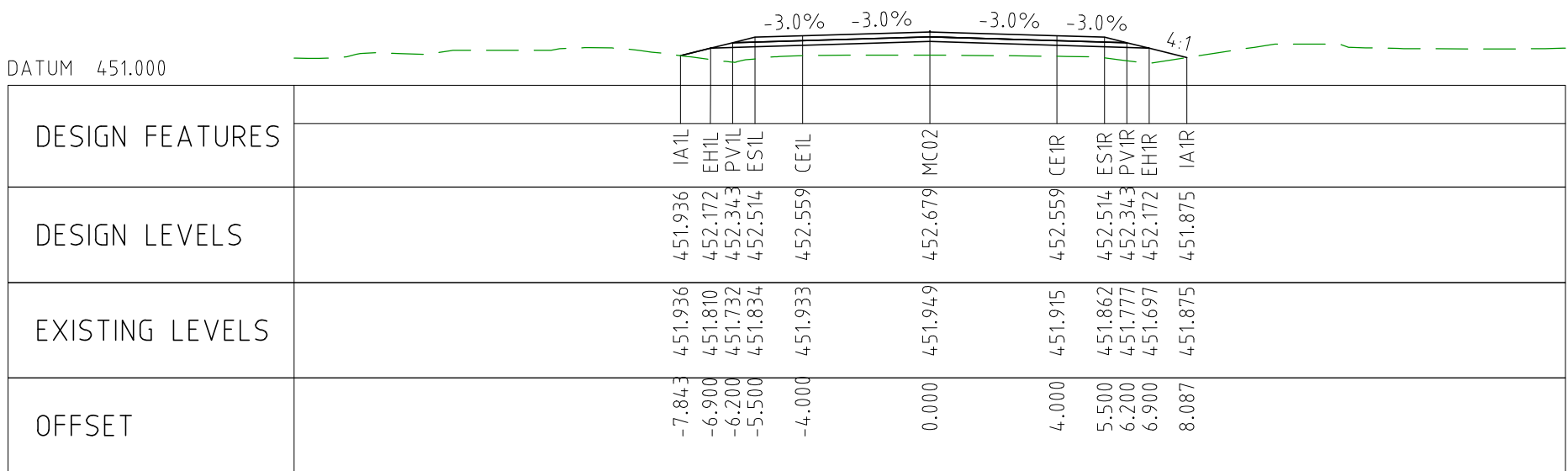
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS64.dwg						PLOT DATE 04 Nov 2022		TIME 16:00:45		CLIENT DOCUMENT NO COV-M040-CI-DWG-0176								
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 23 OF 27			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW										
							DRAFTING CHECK	TM										
							DESIGNER	DG										
							DESIGN CHECK	TM										
							PROJECT MANAGER	DM										
							PROJECT DIRECTOR	RI										
				SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS64										



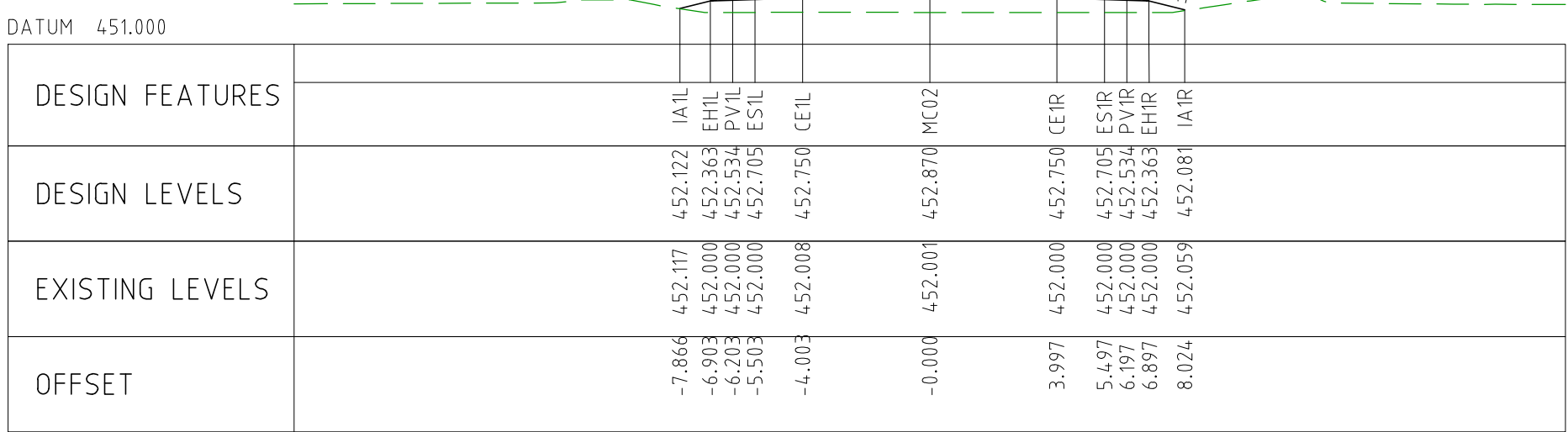
CHAINAGE 47900



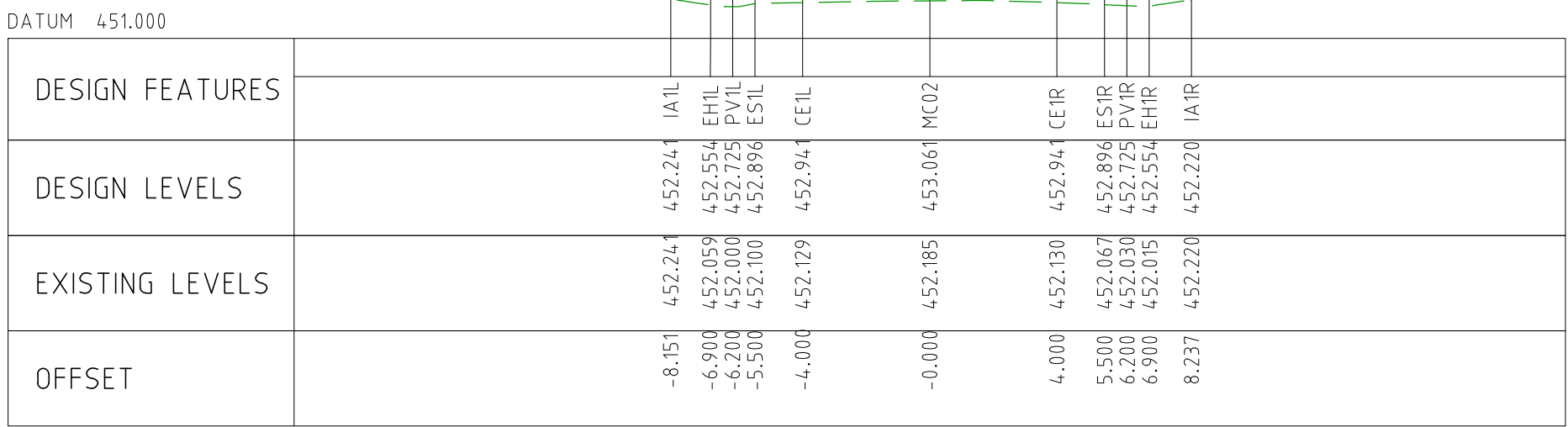
CHAINAGE 47850



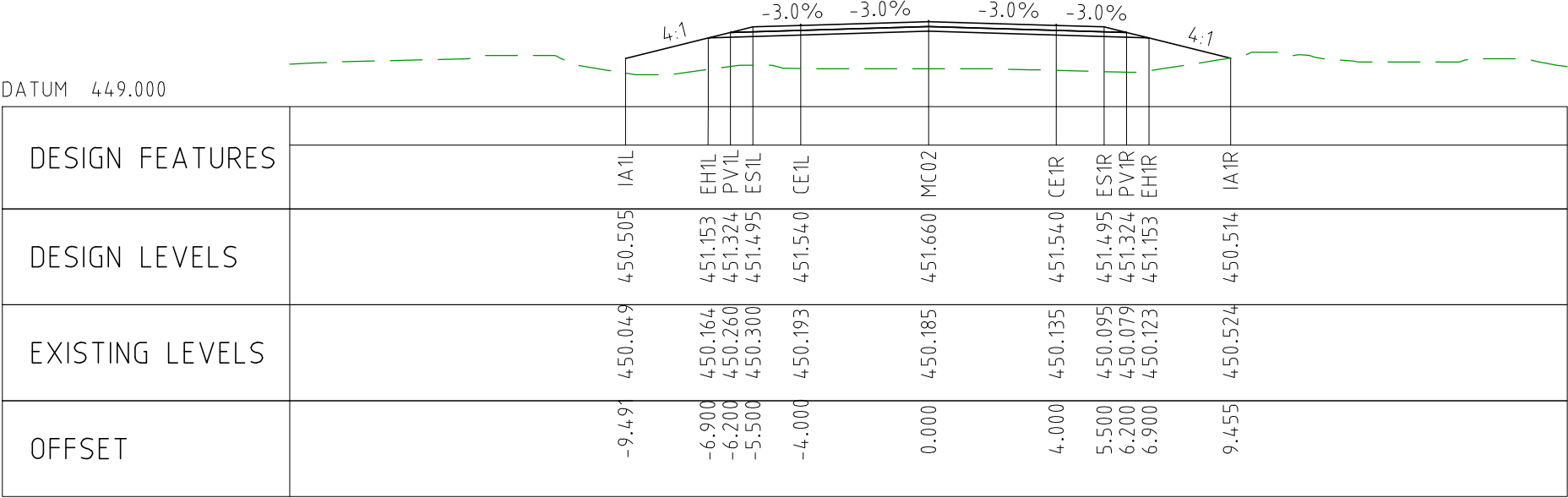
CHAINAGE 47800



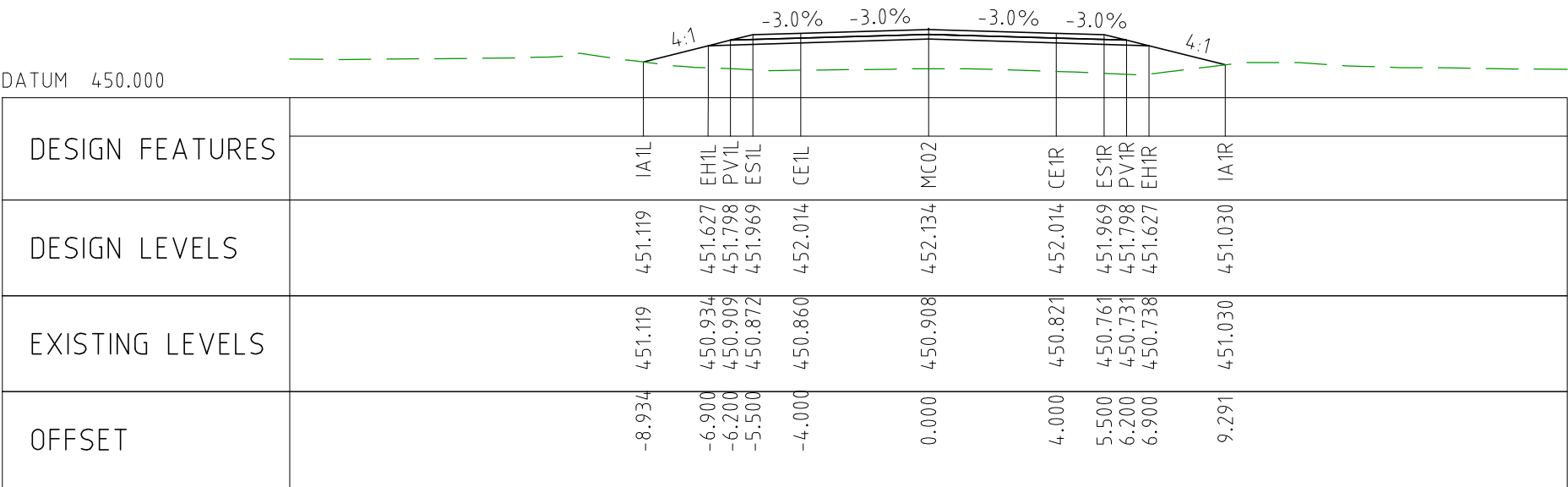
CHAINAGE 47750



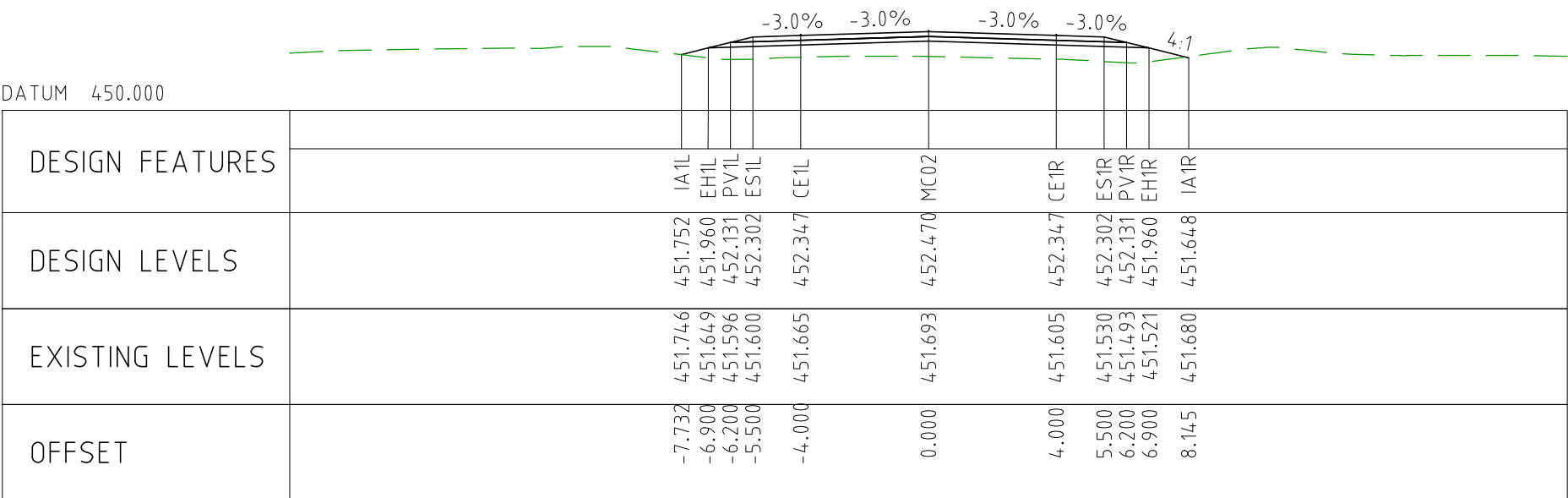
CHAINAGE 47700



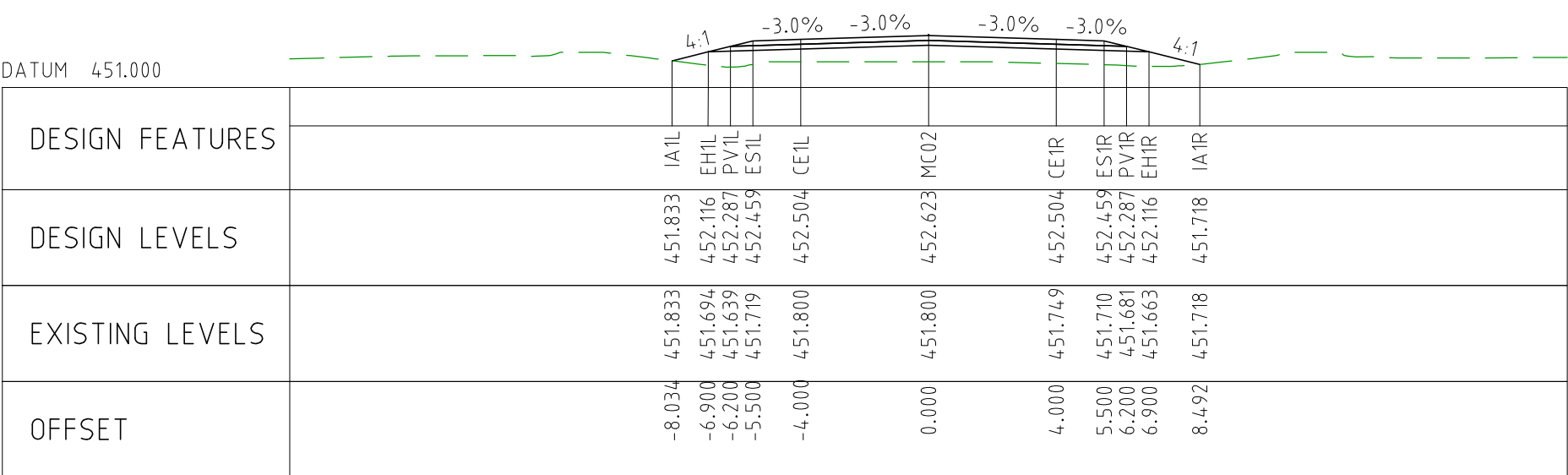
CHAINAGE 48150



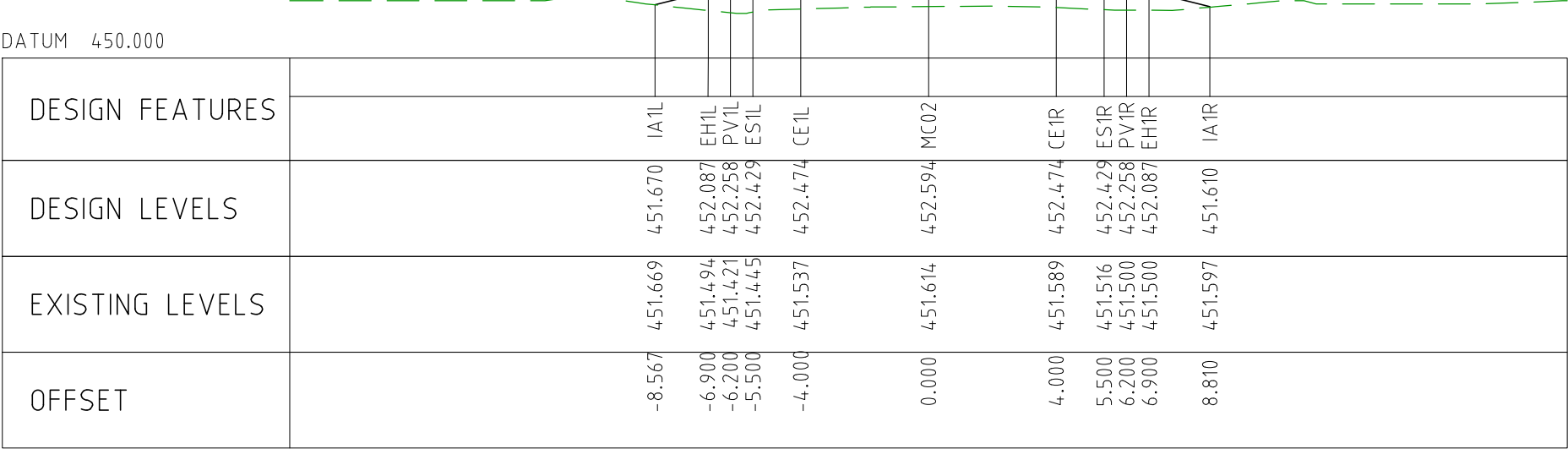
CHAINAGE 48100



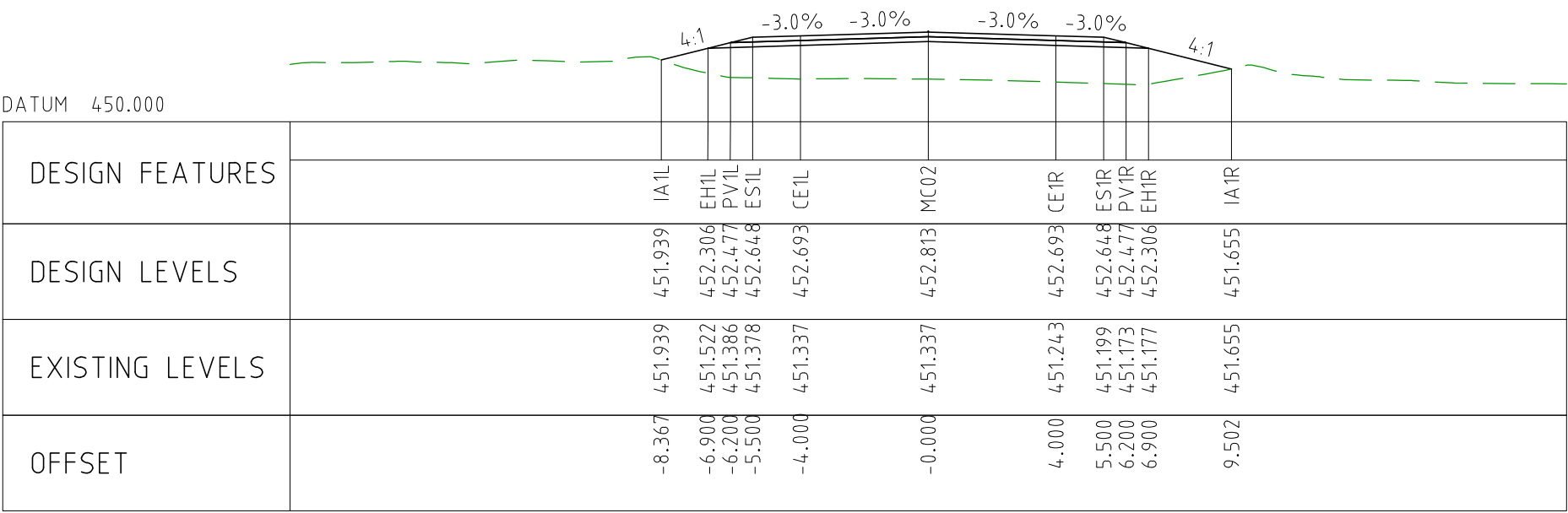
CHAINAGE 48050



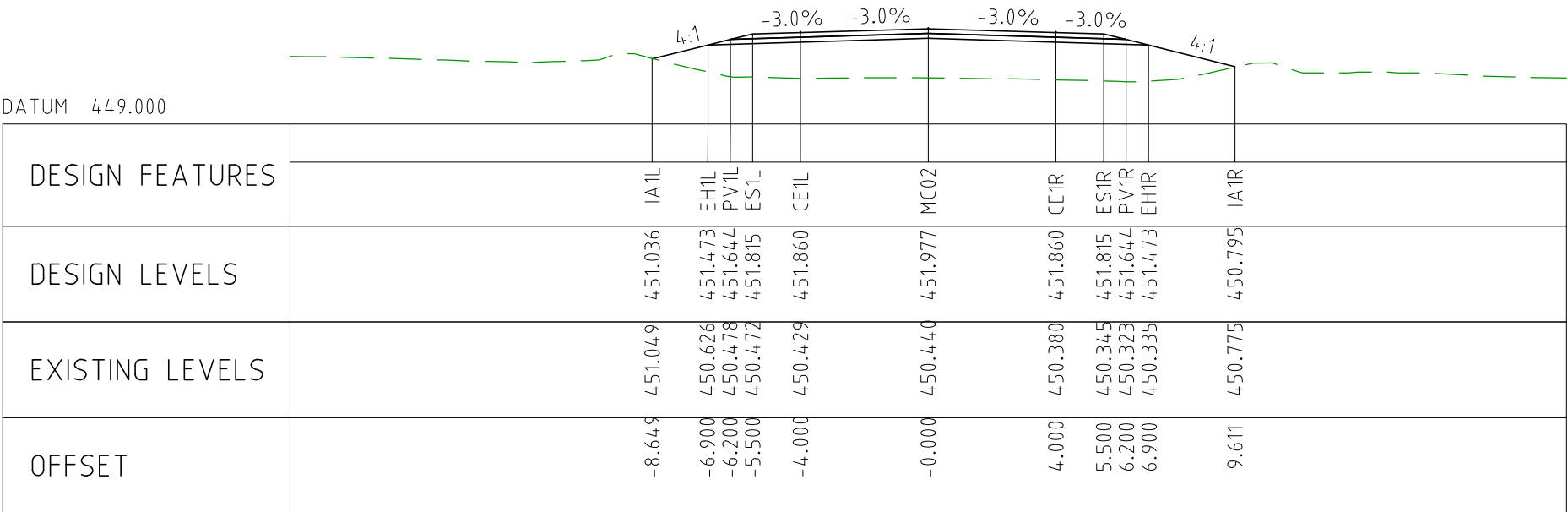
CHAINAGE 48000



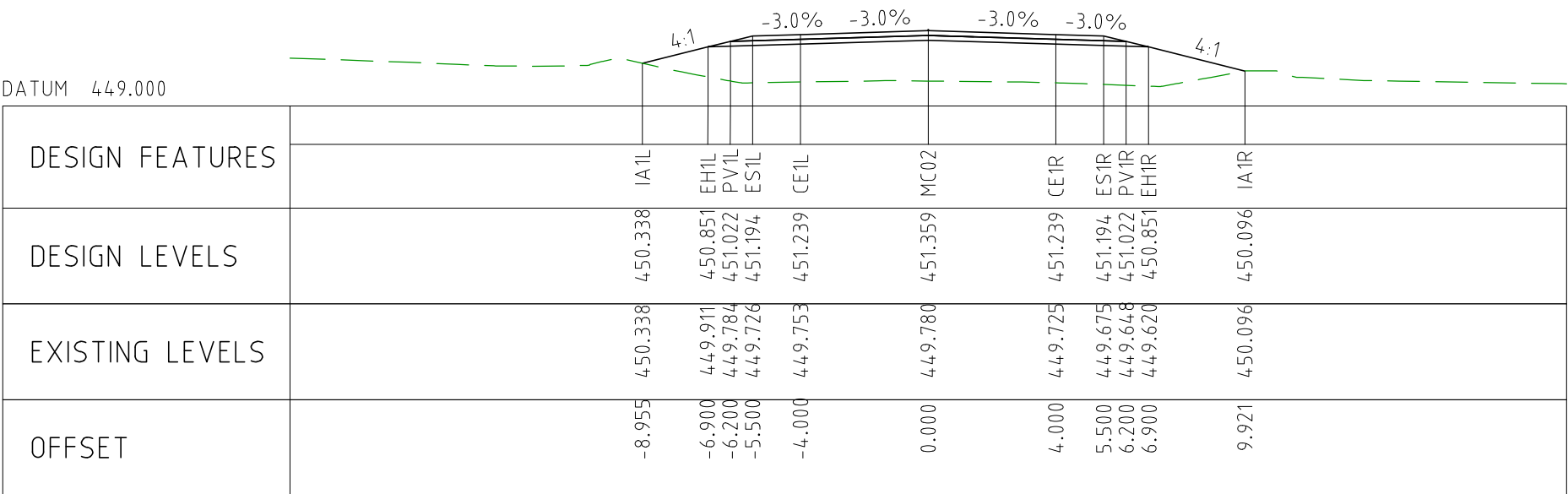
CHAINAGE 47950



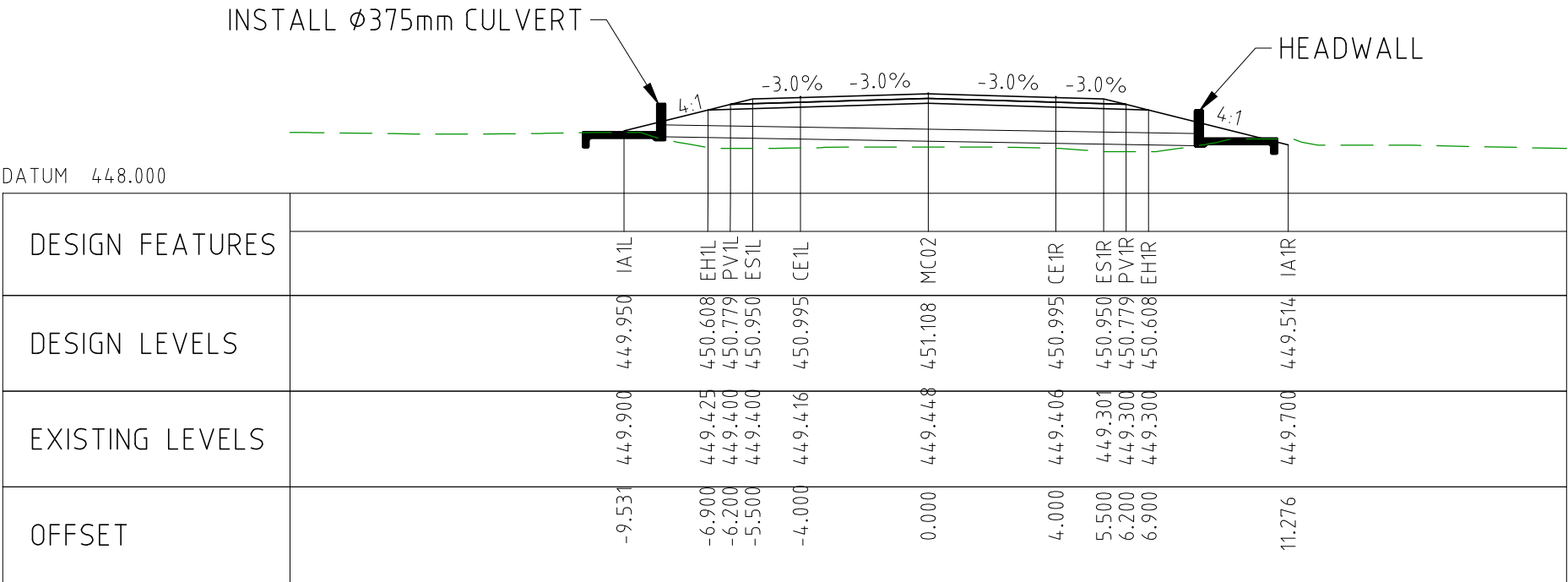
CHAINAGE 48400



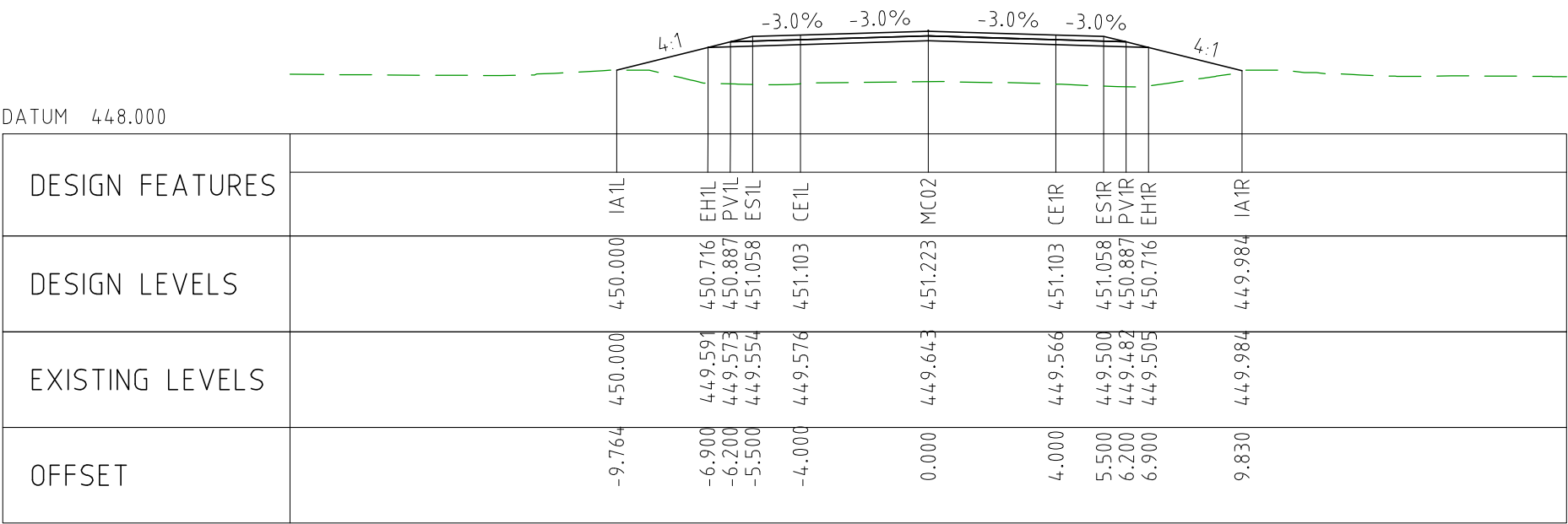
CHAINAGE 48350





CHAINAGE 48300

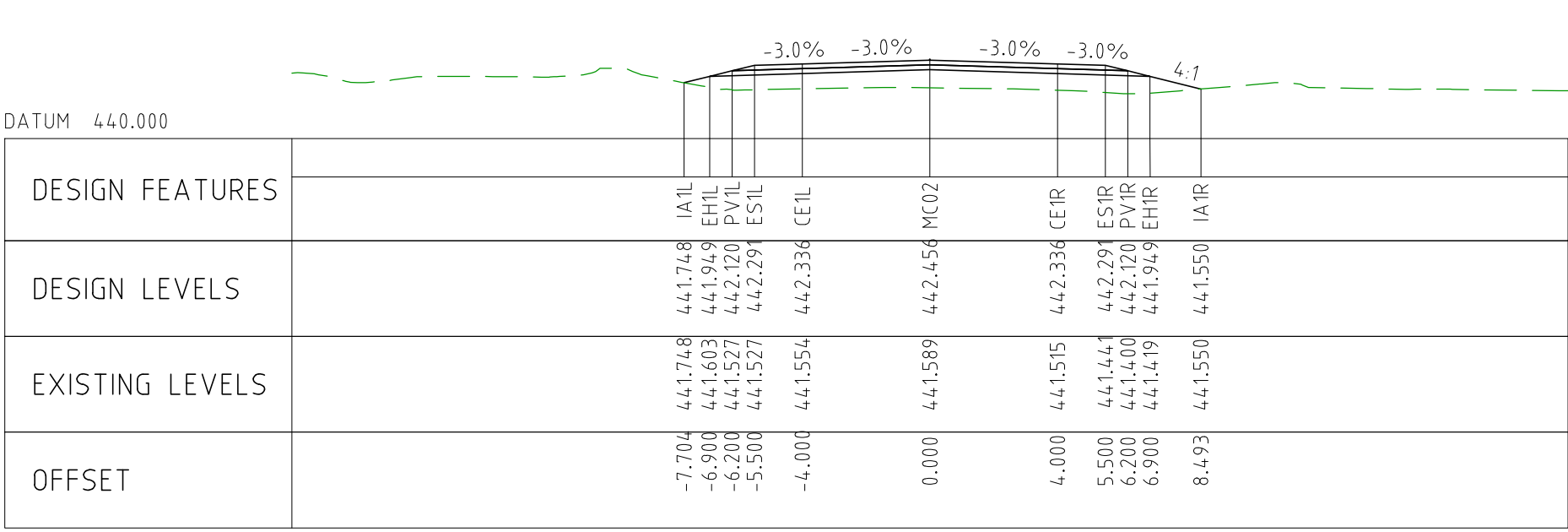


CHAINAGE 48250

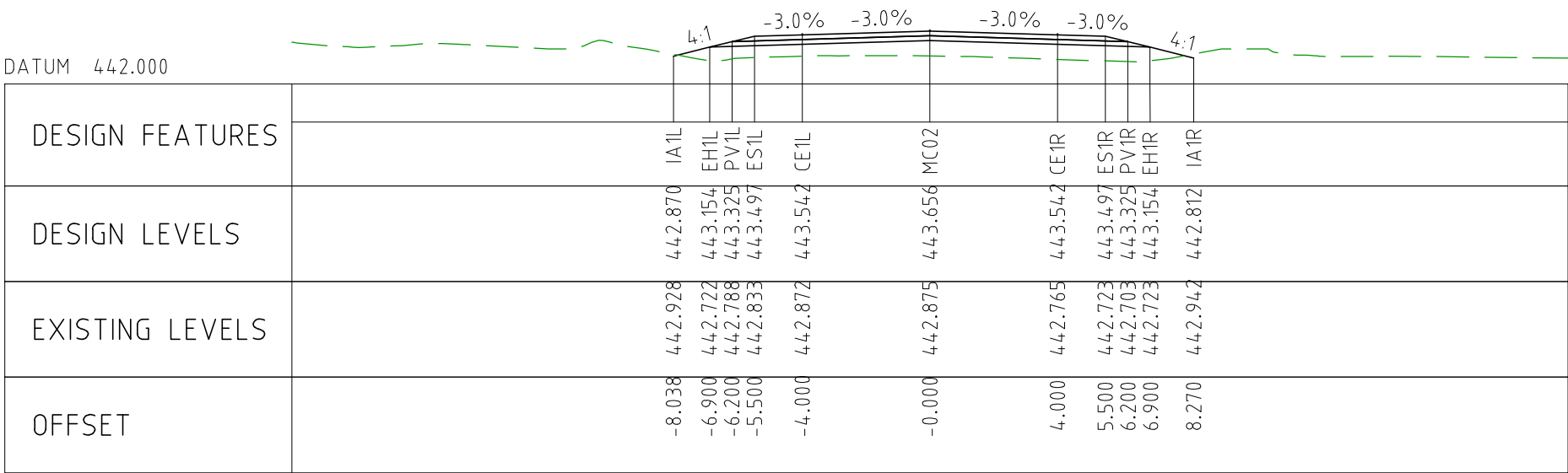


CHAINAGE 48200

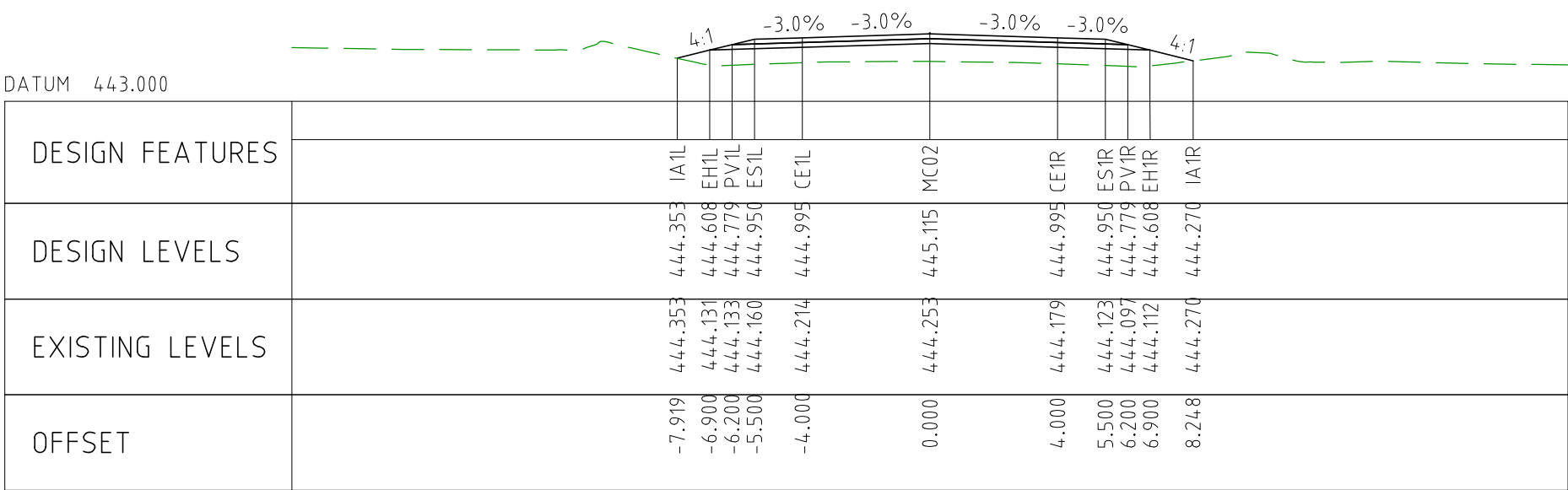
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS65.dwg				PLOT DATE 04 Nov 2022		TIME 16:01:16	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	DG
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RJ
					SCALES AT A1 SIZE DRAWING		DESIGNER
					SCALE 1:200		 Member of the Surbana Jurong Group © ABN 47 065 475 149
							SMC PROJECT No 3006493
							CLIENT
							
					CLIENT DOCUMENT No		COV-M040-CI-DWG-0177
					PROJECT TITLE		MOUNT HOLLAND LITHIUM MINE
							PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 24 OF 27
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS65		REVISION 0	



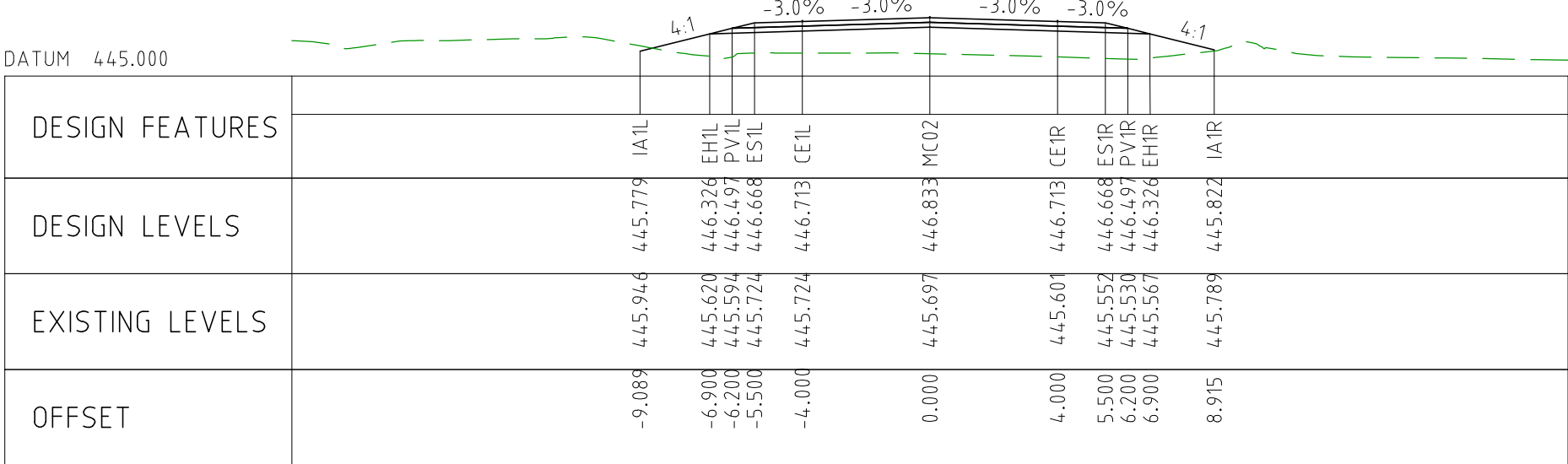
CHAINAGE 49400



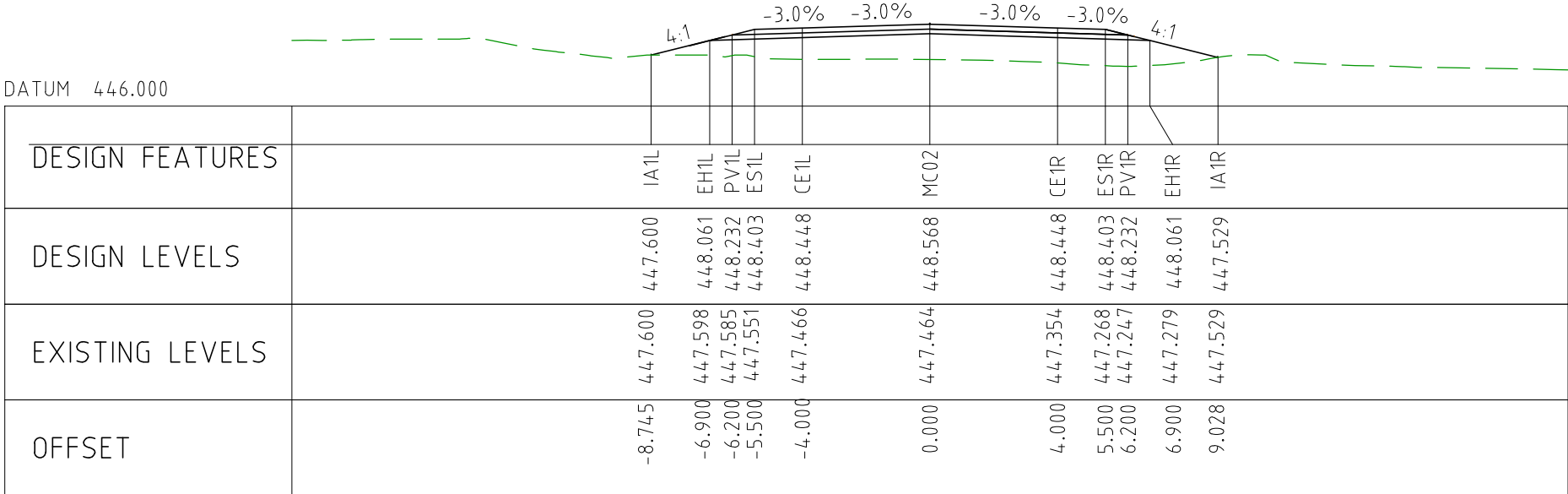
CHAINAGE 49350



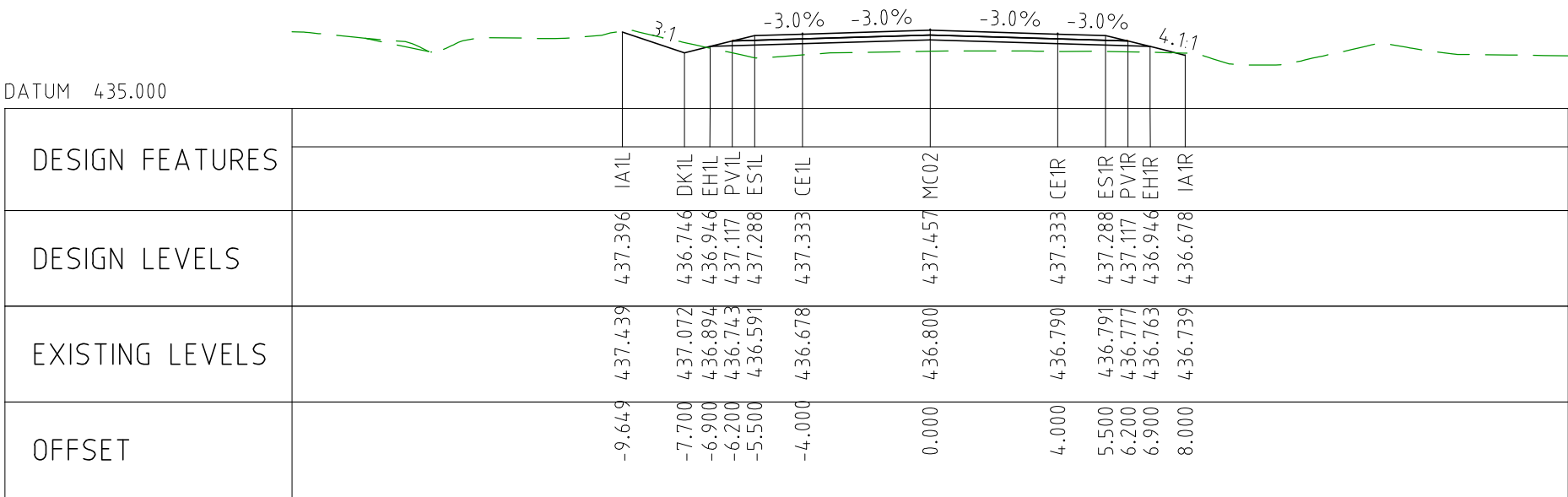
CHAINAGE 49300



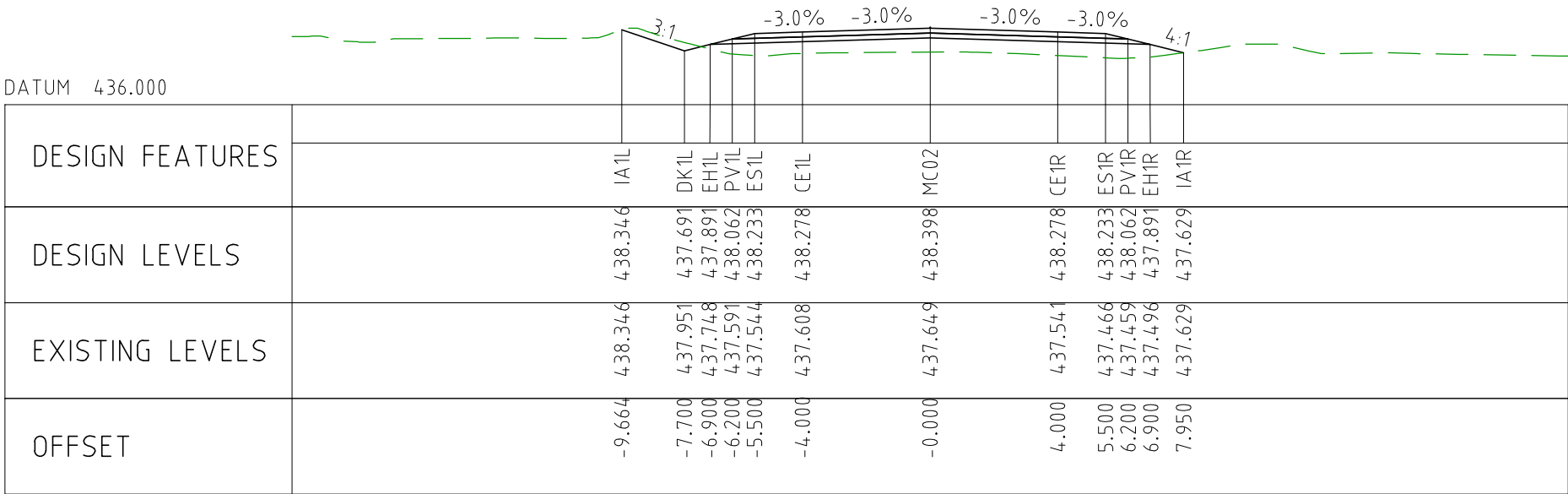
CHAINAGE 49250



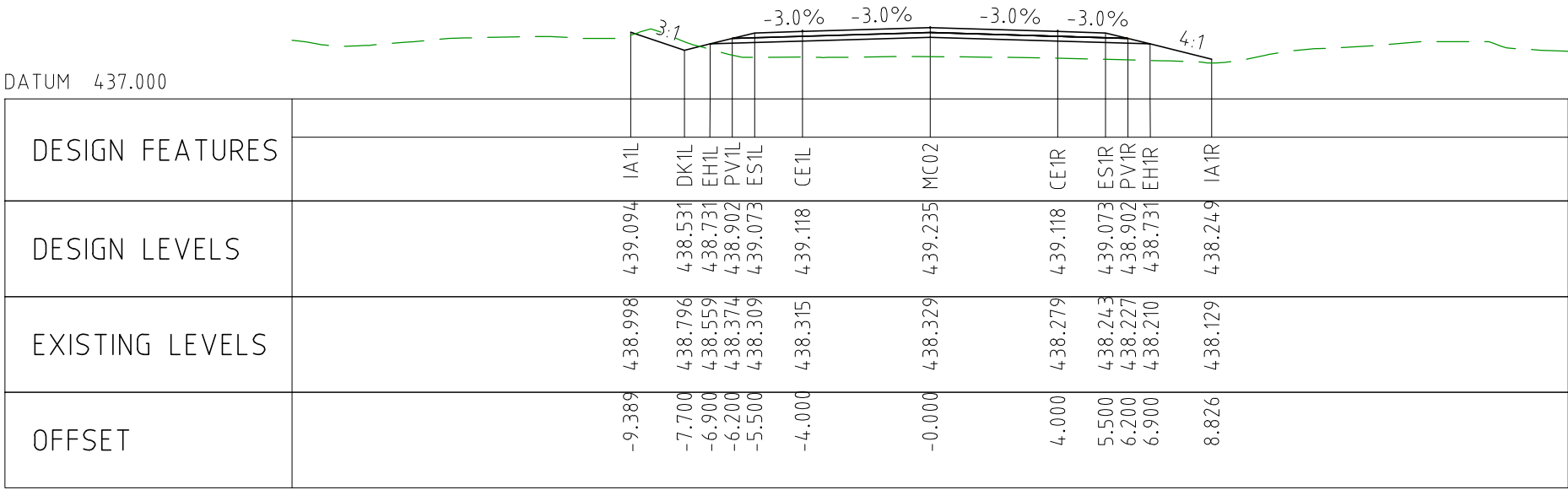
CHAINAGE 49200



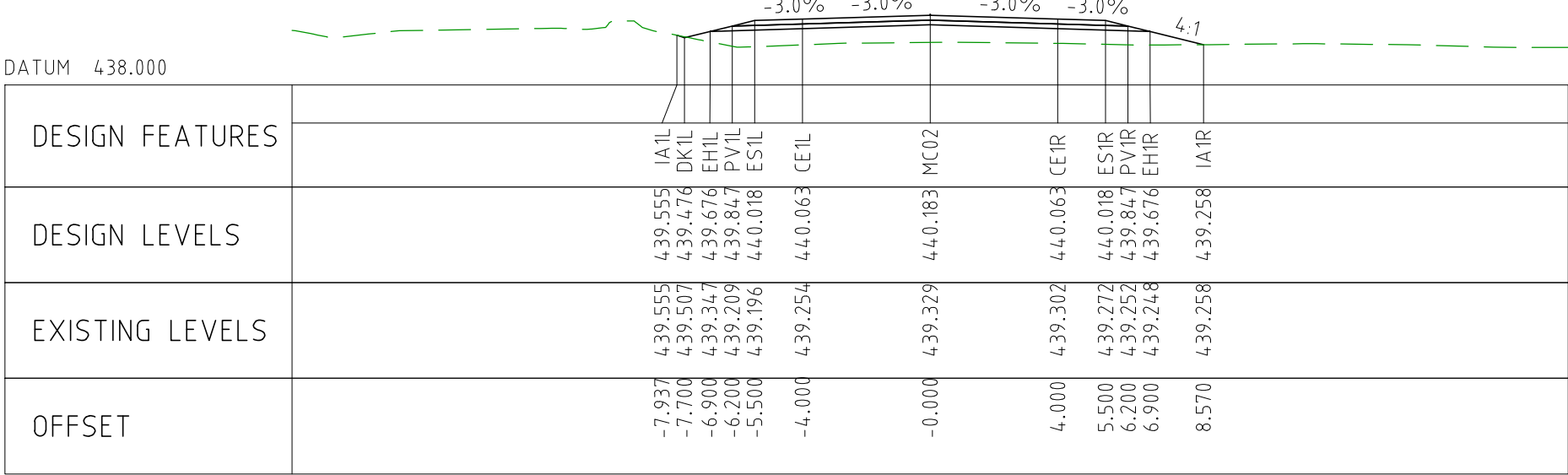
CHAINAGE 49650



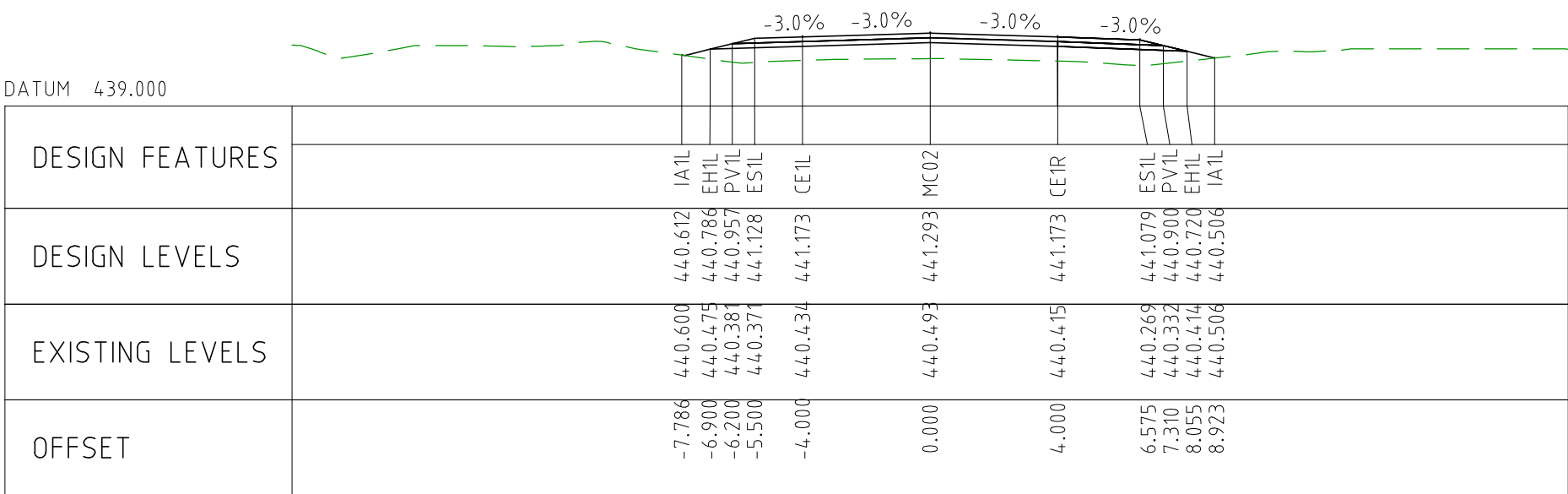
CHAINAGE 49600



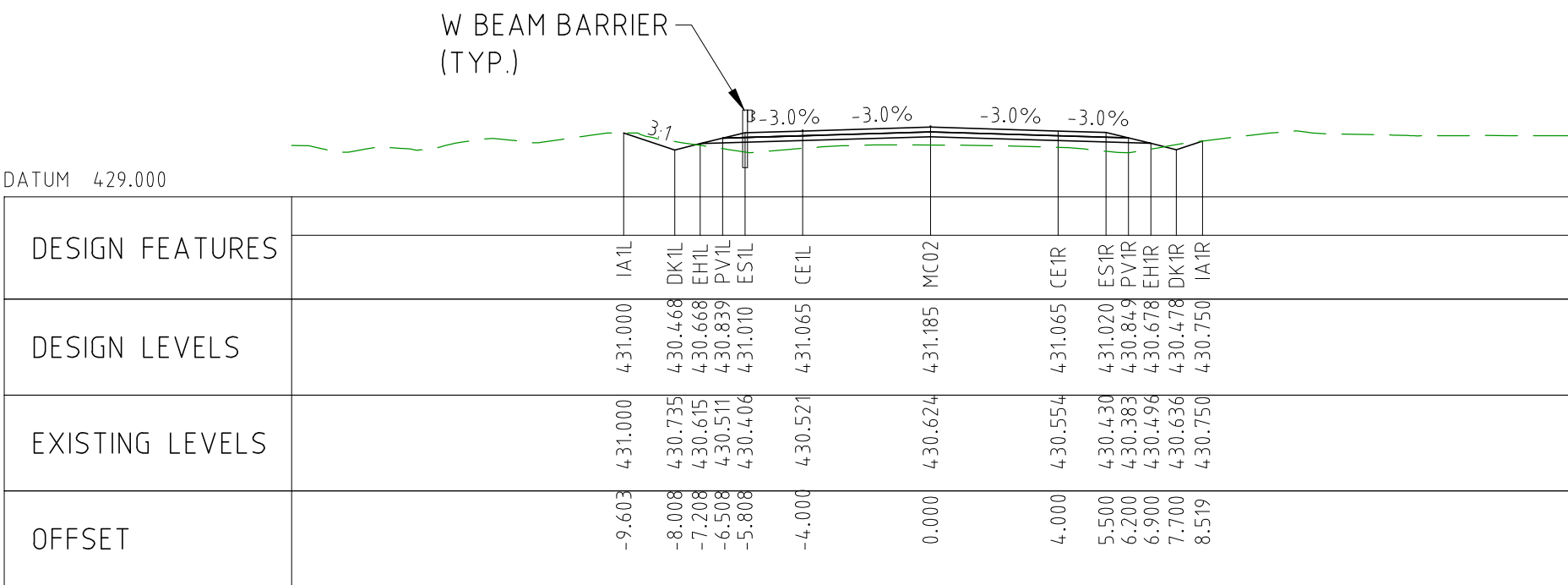
CHAINAGE 49550



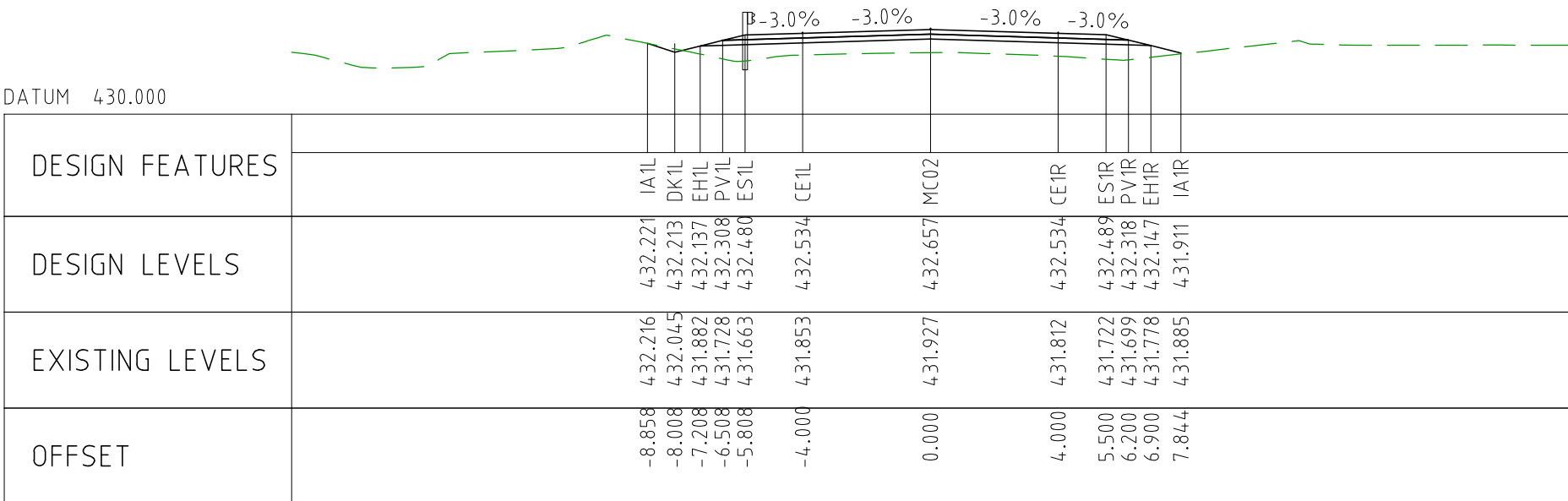
CHAINAGE 49500



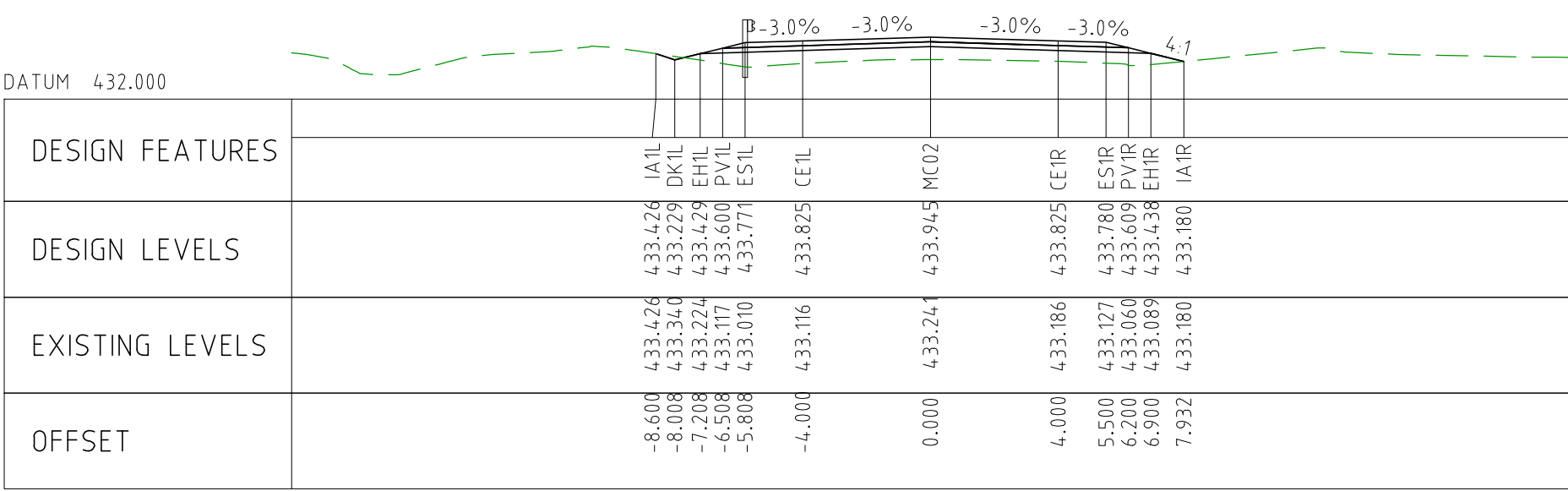
CHAINAGE 49450



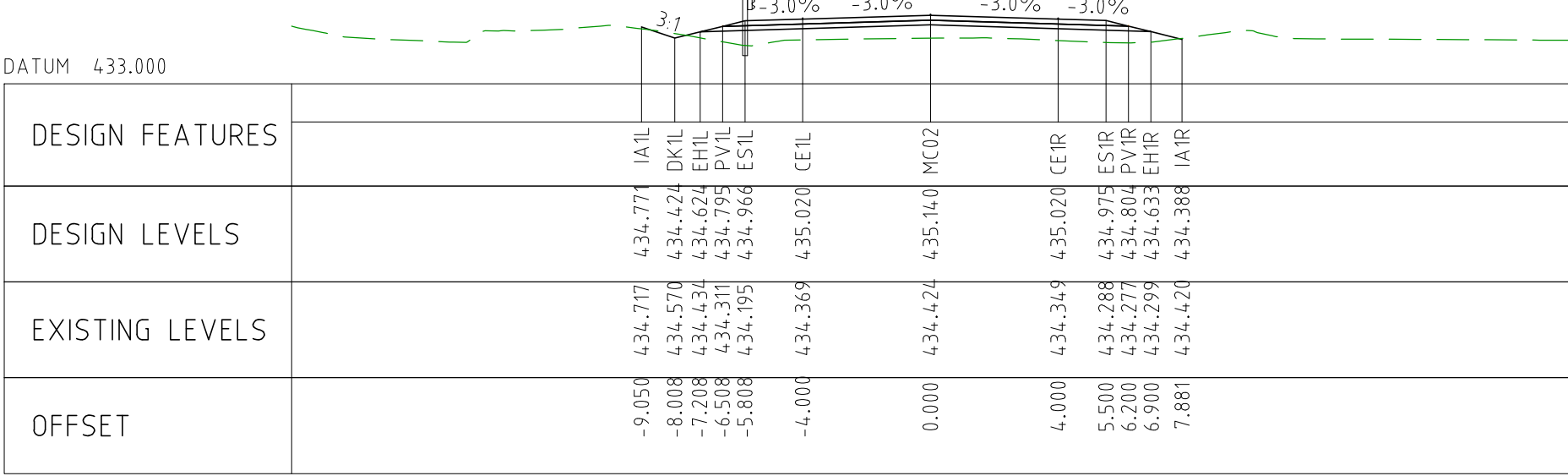
CHAINAGE 49900



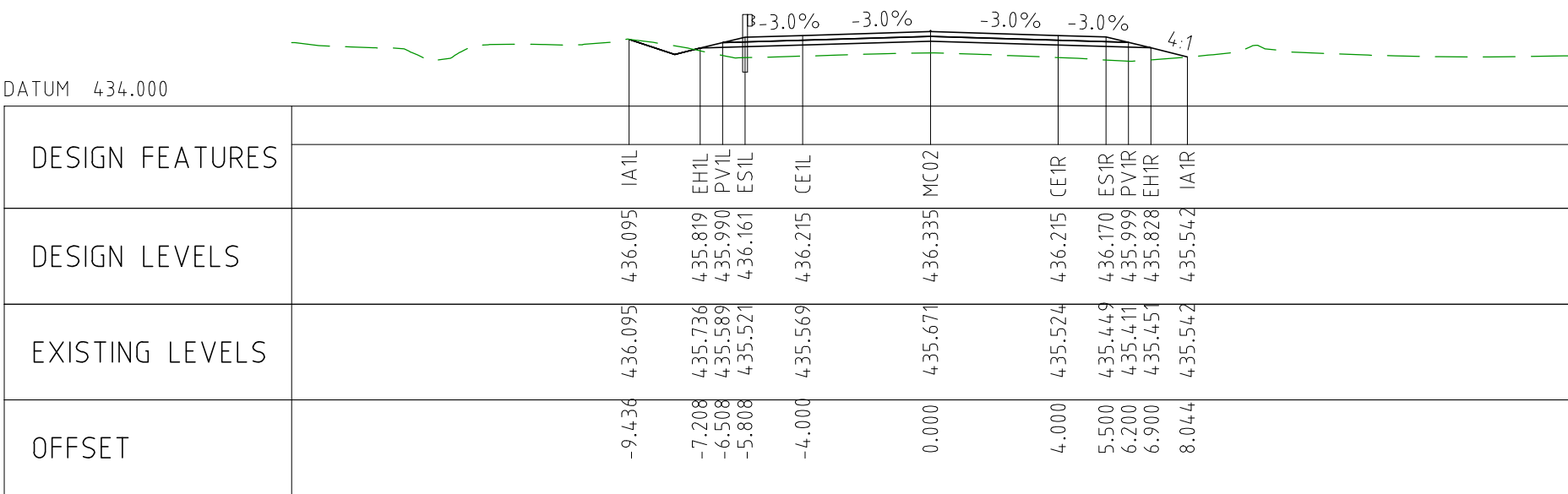
CHAINAGE 49850



CHAINAGE 49800

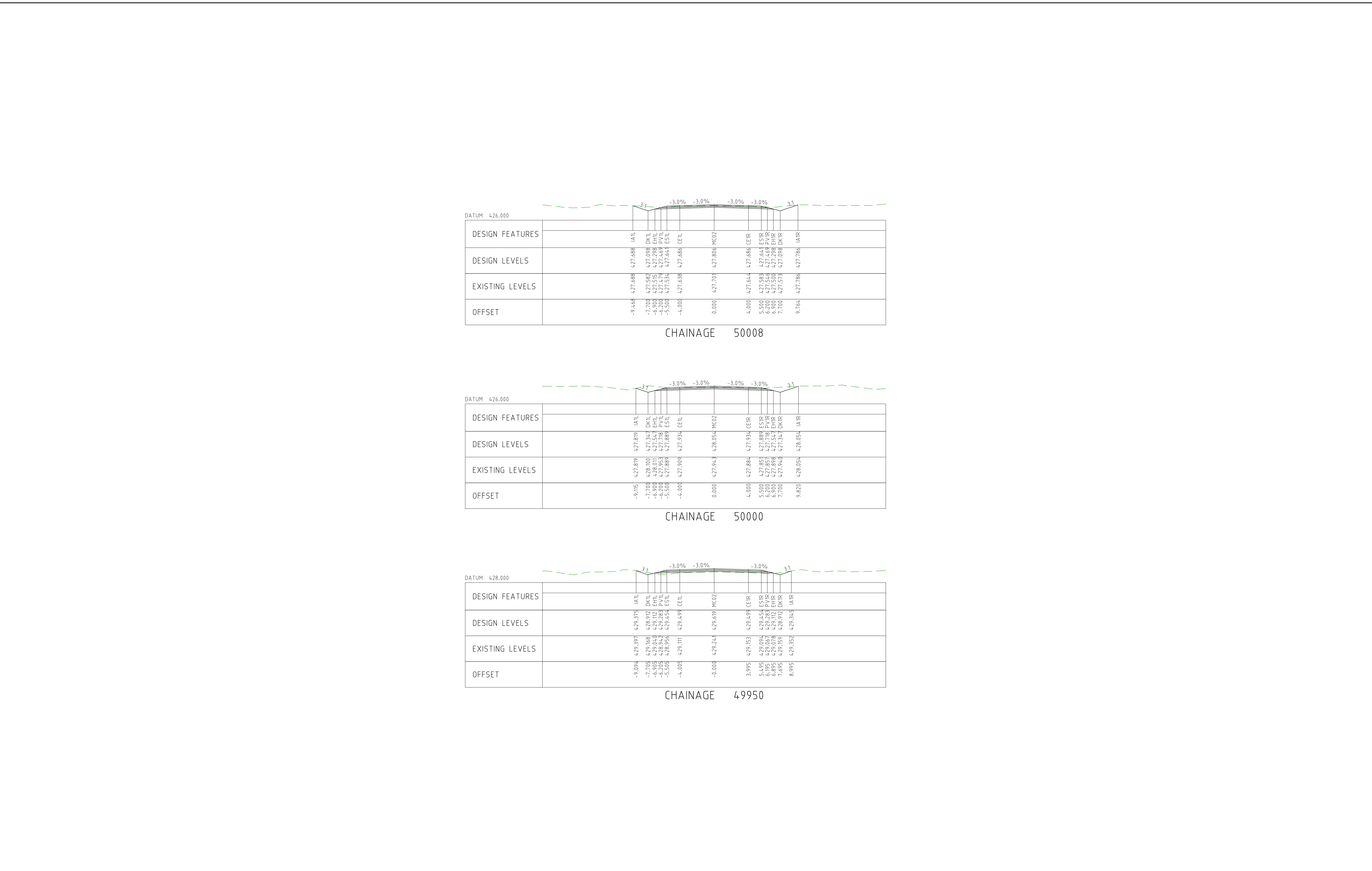


CHAINAGE 49750

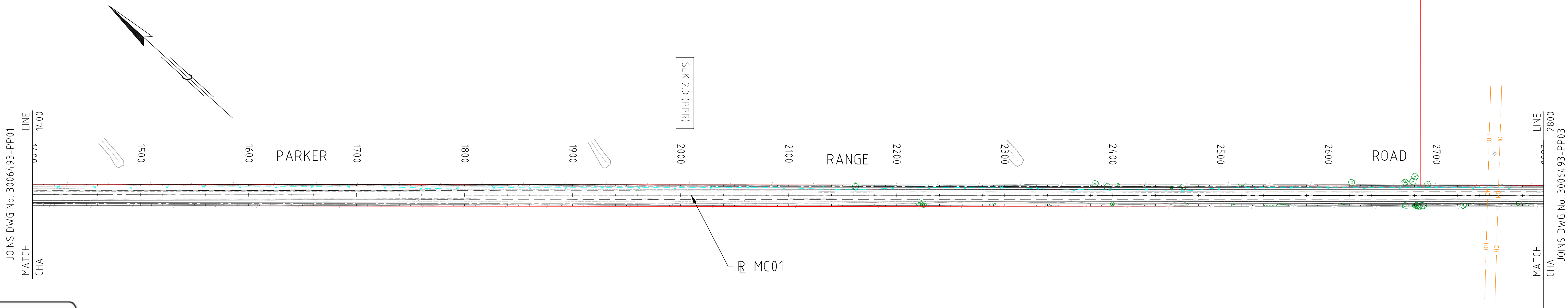


CHAINAGE 49700

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-XS67.dwg				PLOT DATE 04 Nov 2022		TIME 16:02:24		
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	TITLE DRAFTER DESIGNER DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME JW TM DG TM DM RI
SCALES AT A1 SIZE DRAWING SCALE 1:200						DESIGNER SMC PROJECT No 3006493		
CLIENT COVALENT LITHIUM						PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 26 OF 27		
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS67		REVISION 0		



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS68.dwg					PLOT DATE 04 Nov 2022		TIME 16:03:00		CLIENT DOCUMENT No COV-M040-CI-DWG-0180						
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC02 SHEET 27 OF 27			
												SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS68	REVISION 0



NOTES:

- 1. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
- 2. THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.

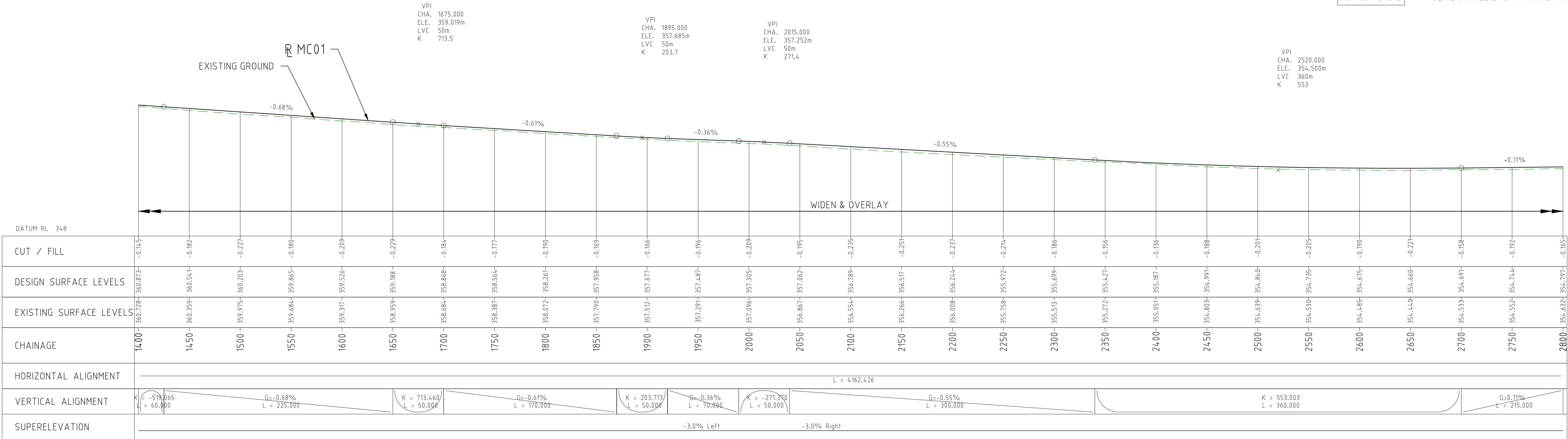
PLAN
1:2000

SERVICES LEGEND:


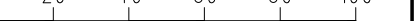
- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

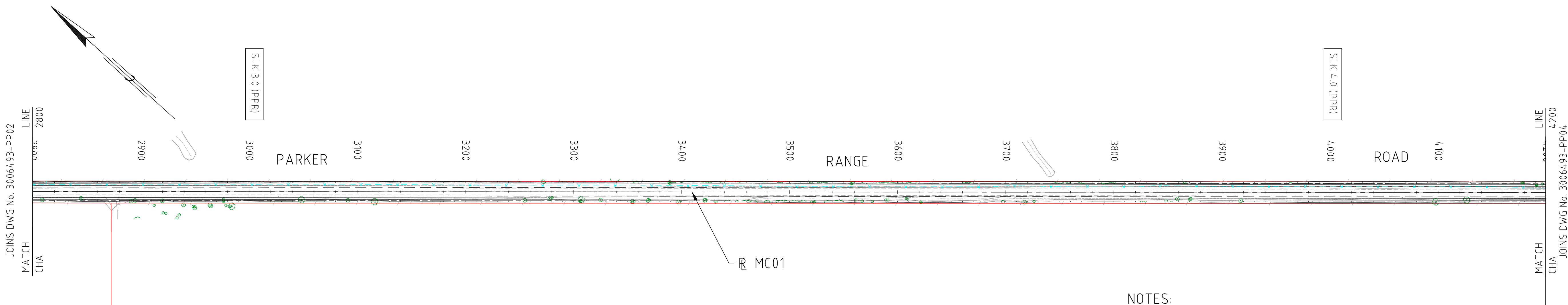
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PPR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP02.dwg				PLOT DATE 04 Nov 2022		TIME 12:44:18		CLIENT DOCUMENT No COV-M040-CI-DWG-0027									
EXTERNAL REFERENCE FILES				REV No	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	DESIGNER		CLIENT		PROJECT TITLE	
				0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	DM	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>	<div>SMEC</div> <div>Member of the Surbana Jurong Group</div> <div>© ABN 47 065 475 149</div> <div>SMEC PROJECT No 3006493</div>	<div>covalent</div> <div>LITHIUM</div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 1400 TO CHA 2800			
									DRAFTING CHECK	TM							
									DESIGNER	TM							
									DESIGN CHECK	TM							
									PROJECT MANAGER	DM							
								PROJECT DIRECTOR	RI					SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP02	REVISION 0



LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PPR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

SERVICES LEGEND:

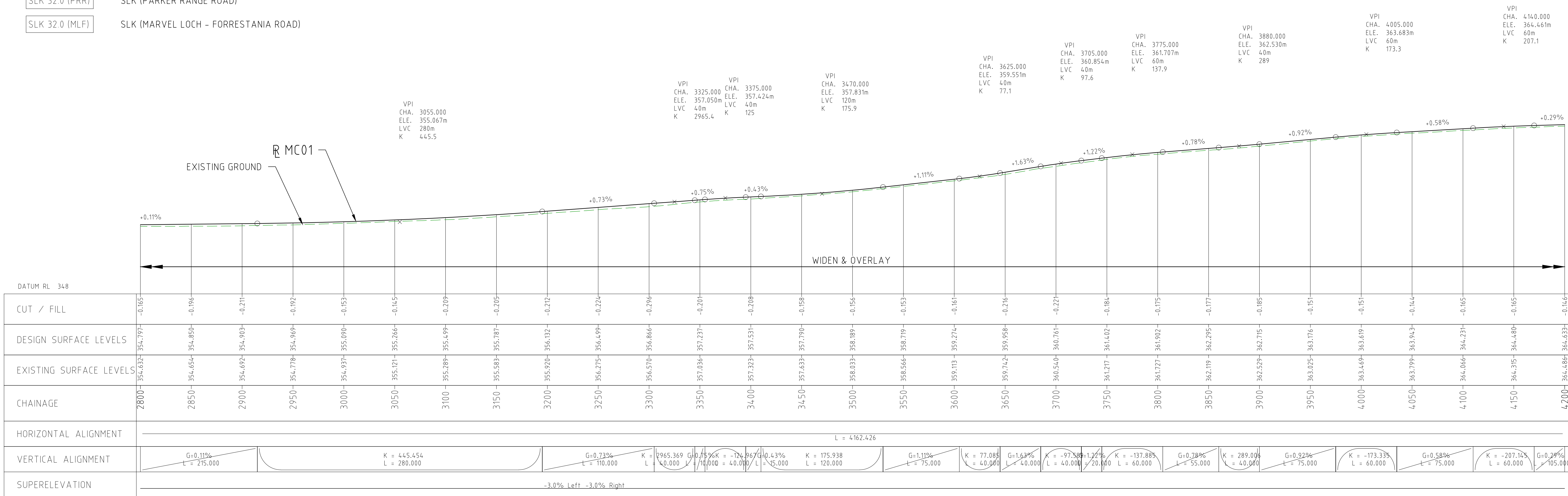
- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

PLAN
1:2000

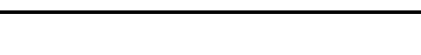



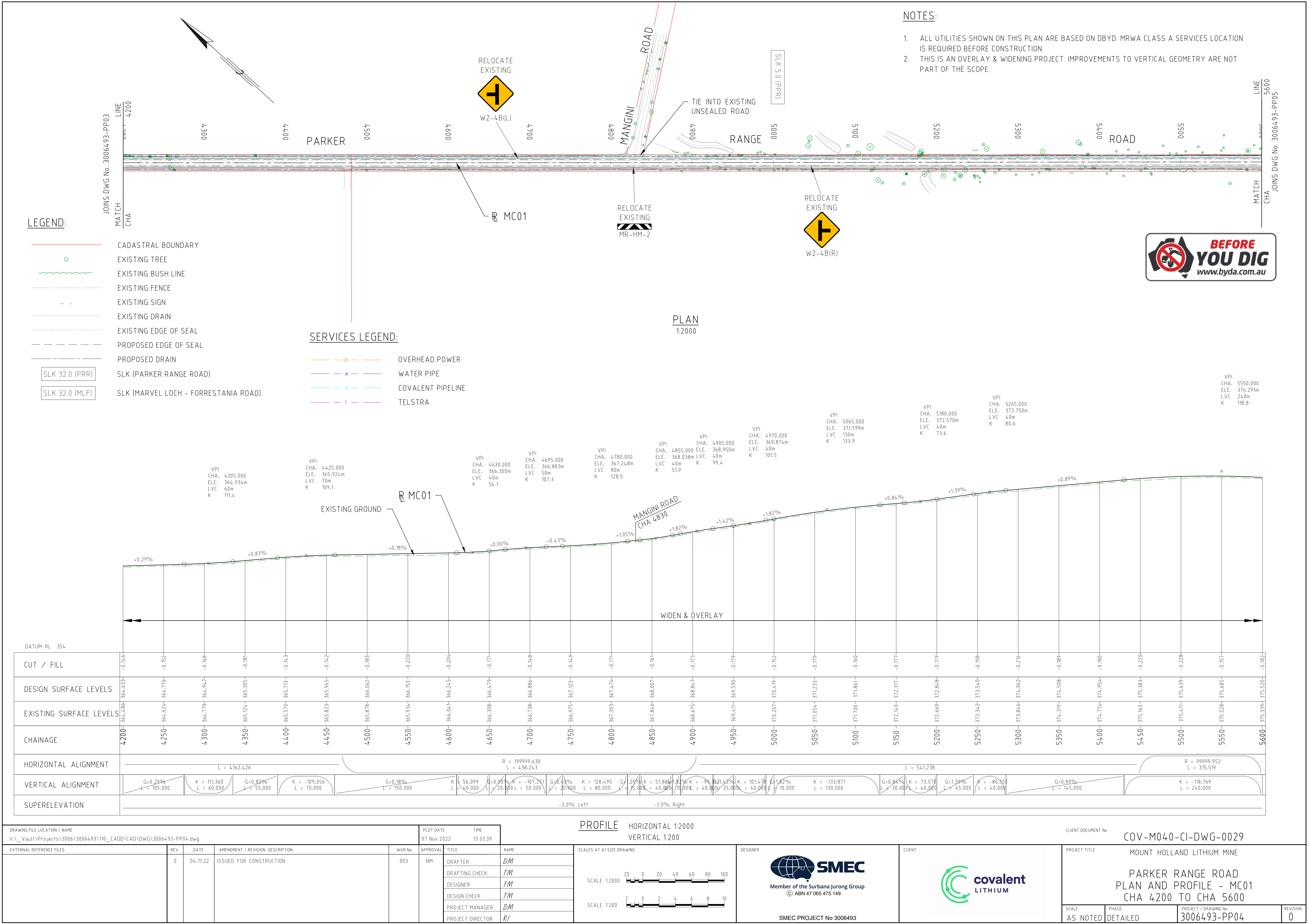
NOTES:





- ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
- THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.

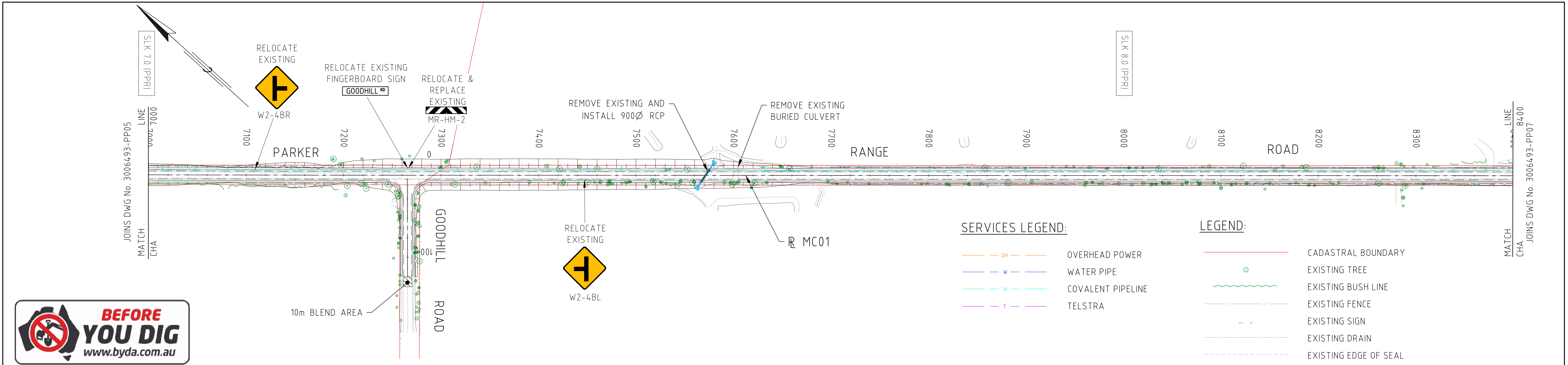


PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

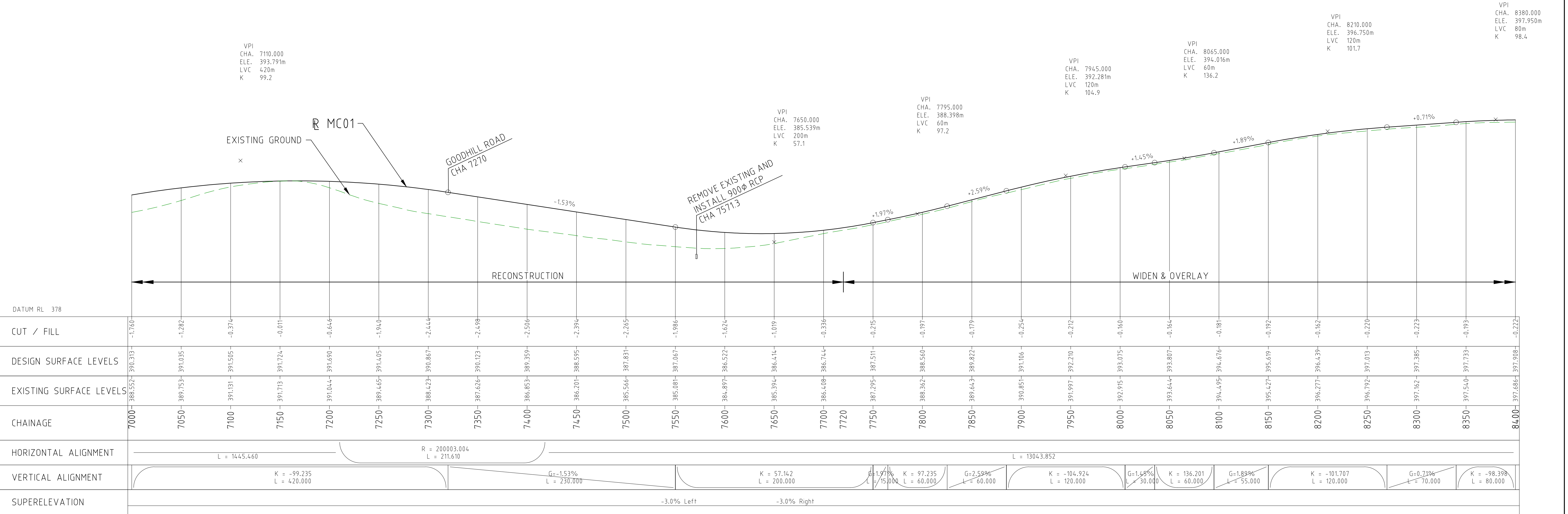
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP03.dwg				PLOT DATE 04 Nov 2022		TIME 12:46:21		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0028		
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	DM	<div>SCALE 1:2000</div> <div>SCALE 1:200</div>		<div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div>SMEC PROJECT No 3006493</div>	<div></div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 2800 TO CHA 4200	
							DRAFTING CHECK	TM						
							DESIGNER	TM						
							DESIGN CHECK	TM						
							PROJECT MANAGER	DM						
							PROJECT DIRECTOR	RJ						
SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP03		REVISION 0								







DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP05.dwg						PLOT DATE 04 Nov 2022		TIME 12:51:21		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200			CLIENT DOCUMENT No COV-M040-CI-DWG-0030				
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 5600 TO CHA 7000	
		SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP05		REVISION 0									



- NOTES:
- ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
 - THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.

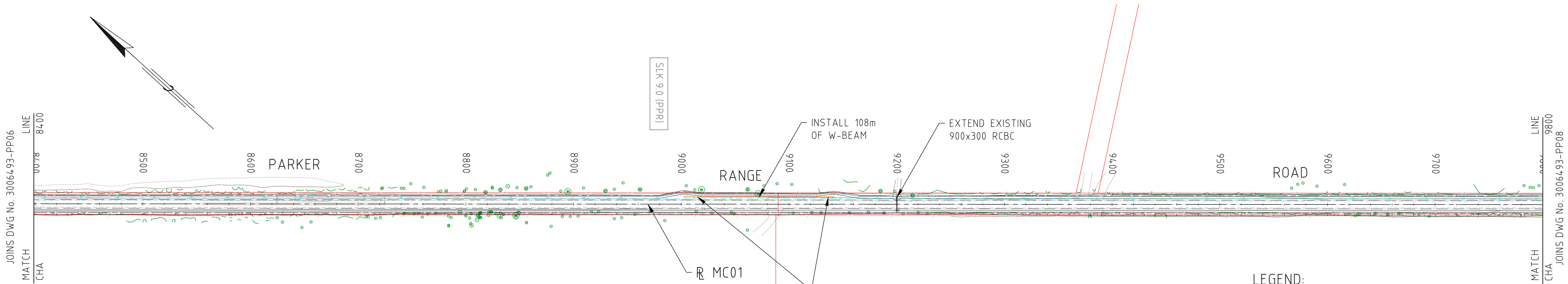


DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP06.dwg					PLOT DATE 04 Nov 2022		TIME 12:54:27		VERTICAL 1:200					CLIENT DOCUMENT No COV-M040-CI-DWG-0031					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING			DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 7000 TO CHA 8400		
								DRAFTER DM		SCALE 1:2000 							SCALE AS NOTED		
								DRAFTING CHECK TM		SCALE 1:200 							PHASE DETAILED		
								DESIGNER TM									PROJECT / DRAWING No 3006493-PP06		
								DESIGN CHECK TM									REVISION 0		
								PROJECT MANAGER DM											
							PROJECT DIRECTOR RI												



NOTES:

- 1. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
- 2. THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.

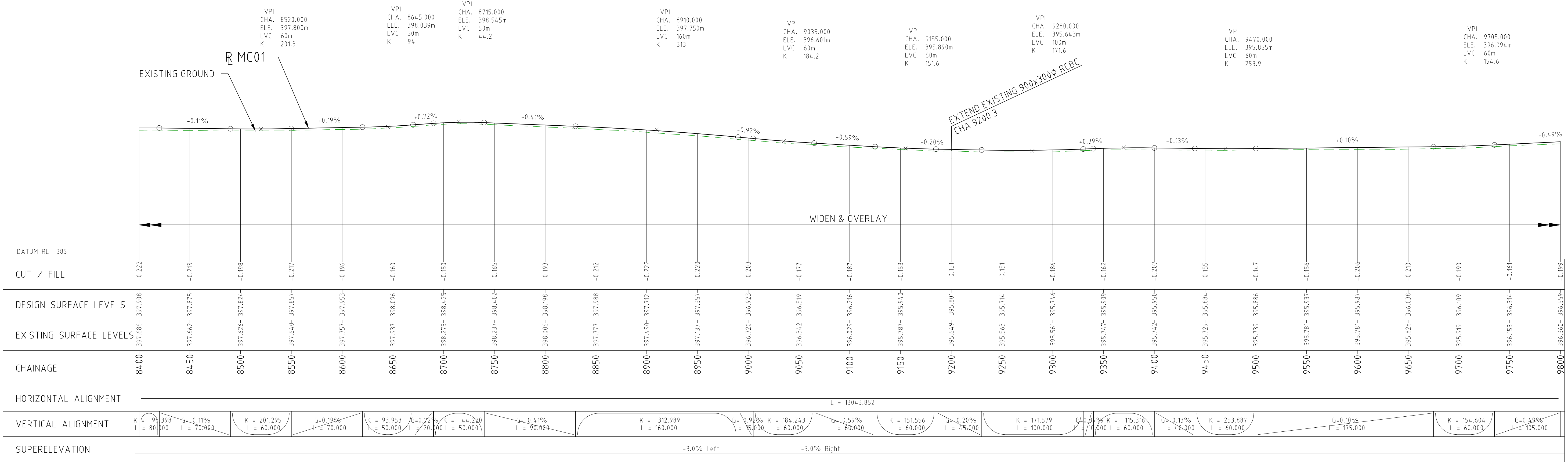


SERVICES LEGEND:

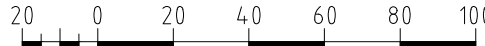



- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

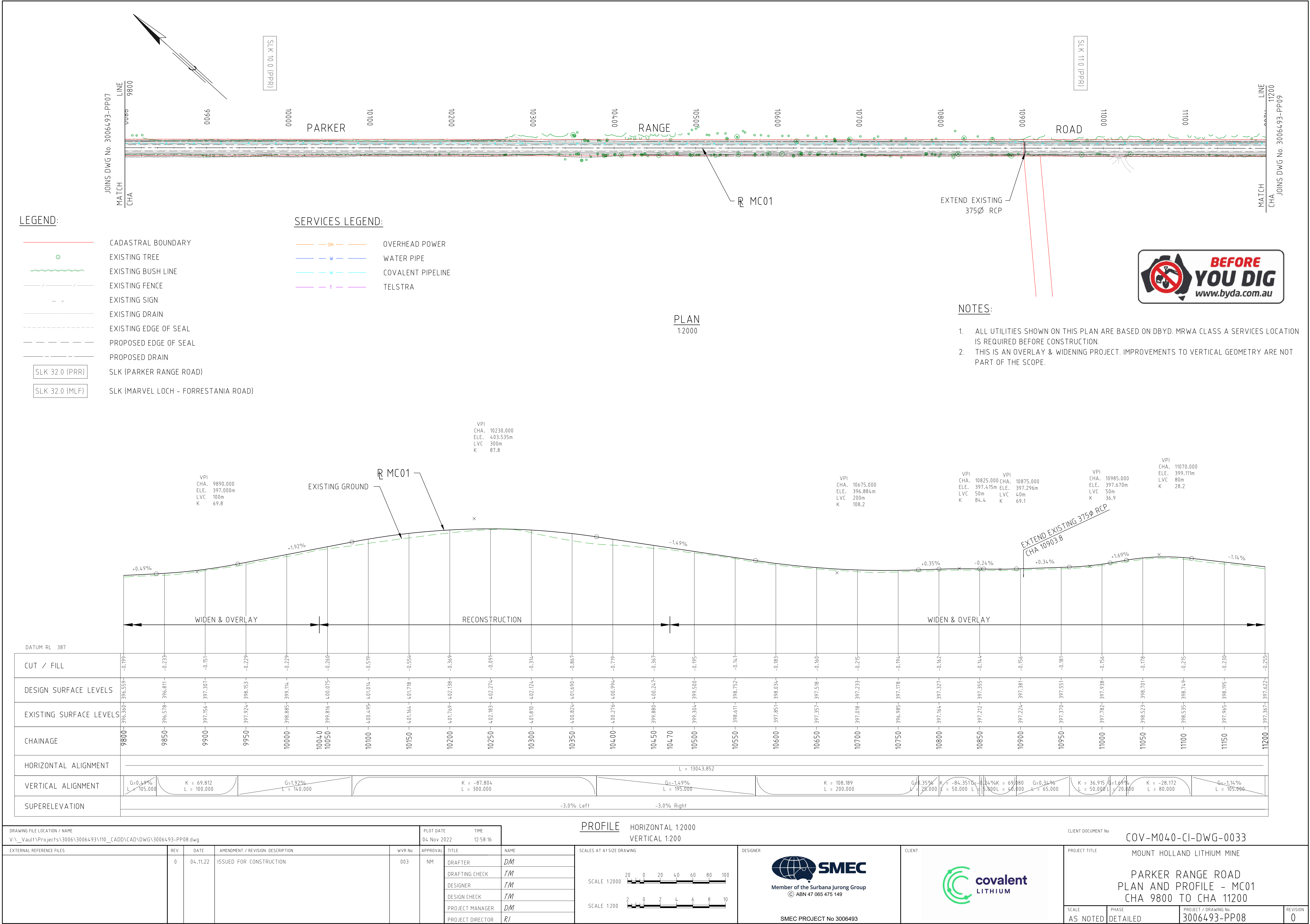
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PPR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP07.dwg					PLOT DATE 04 Nov 2022		TIME 12:56:18		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0032							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 8400 TO CHA 9800		SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP07	REVISION 0
								DRAFTER DM												
								DRAFTING CHECK TM												
								DESIGNER TM												
								DESIGN CHECK TM												
								PROJECT MANAGER DM												
								PROJECT DIRECTOR RI												



JOINS DWG No. 3006493-PP08

MATCH
CHA
LINE
11200

11300

11400

PARKER

11500

11600

11700

11800

RANGE

11900

12000

12100

12200

12300

ROAD

12400

12500

MATCH
CHA
LINE
12600

JOINS DWG No. 3006493-PP10

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)

SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF)

SLK (MARVEL LOCH - FORRESTANIA ROAD)

SERVICES LEGEND:

- OH

OVERHEAD POWER
- W

WATER PIPE
- W

COVALENT PIPELINE
- T

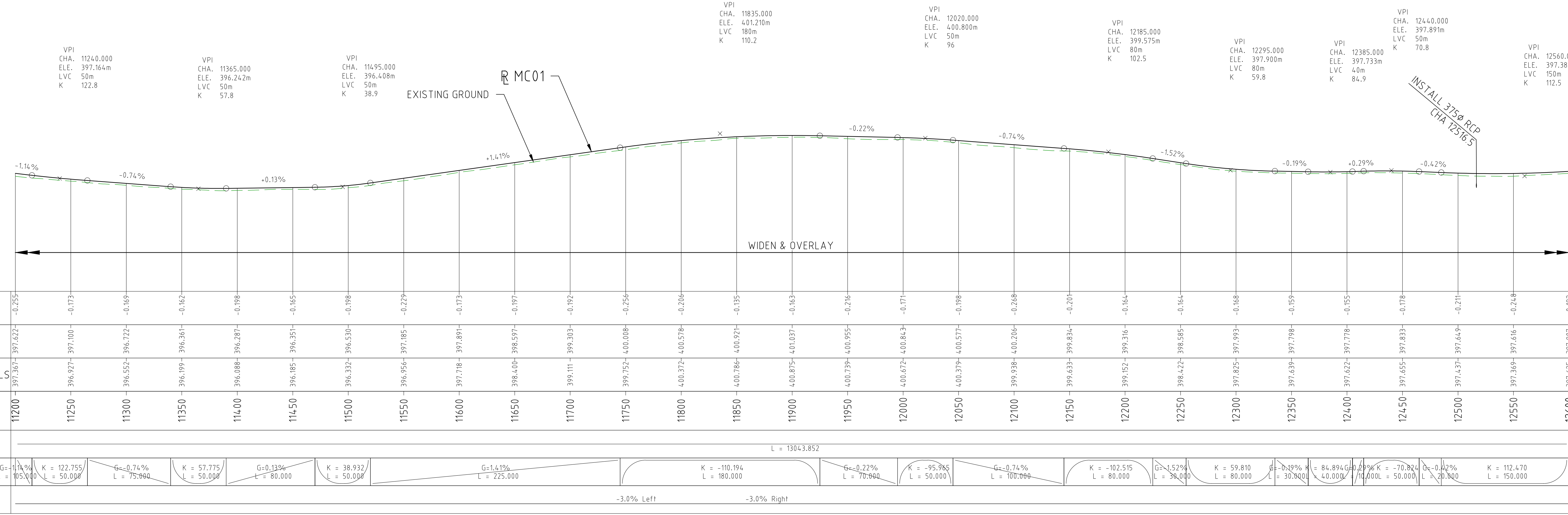
TELSTRA

PLAN
1:2000



NOTES:

1. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
2. THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.



DRAWING FILE LOCATION / NAME
V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP09.dwg

EXTERNAL REFERENCE FILES

REV
0

DATE
04.11.22

AMENDMENT / REVISION DESCRIPTION
ISSUED FOR CONSTRUCTION

WVR No
003

APPROVAL
NM

TITLE
DRAFTER
DRAFTING CHECK
DESIGNER
DESIGN CHECK
PROJECT MANAGER
PROJECT DIRECTOR

NAME
DM
TM
TM
DM
RI

SCALES AT A1 SIZE DRAWING

SCALE 1:2000
SCALE 1:200

DESIGNER
SMC

SMC PROJECT No 3006493

CLIENT
covalent LITHIUM

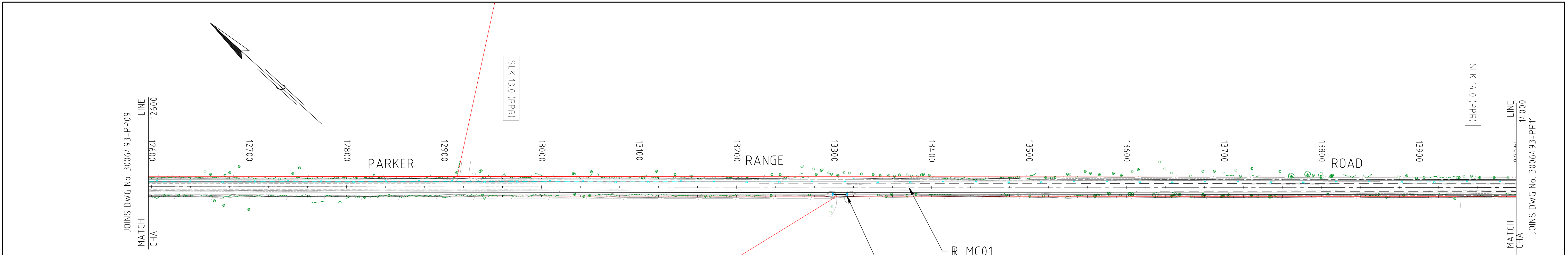
PROJECT TITLE
MOUNT HOLLAND LITHIUM MINE
PARKER RANGE ROAD
PLAN AND PROFILE - MC01
CHA 11200 TO CHA 12600

SCALE
AS NOTED

PHASE
DETAILED

PROJECT / DRAWING No
3006493-PP09

REVISION
0



LEGEND:

- CADASTRAL BOUNDARY
 - EXISTING TREE
 - EXISTING BUSH LINE
 - EXISTING FENCE
 - EXISTING SIGN
 - EXISTING DRAIN
 - EXISTING EDGE OF SEAL
 - PROPOSED EDGE OF SEAL
 - PROPOSED DRAIN
 - SLK 32.0 (PPR)
 - SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

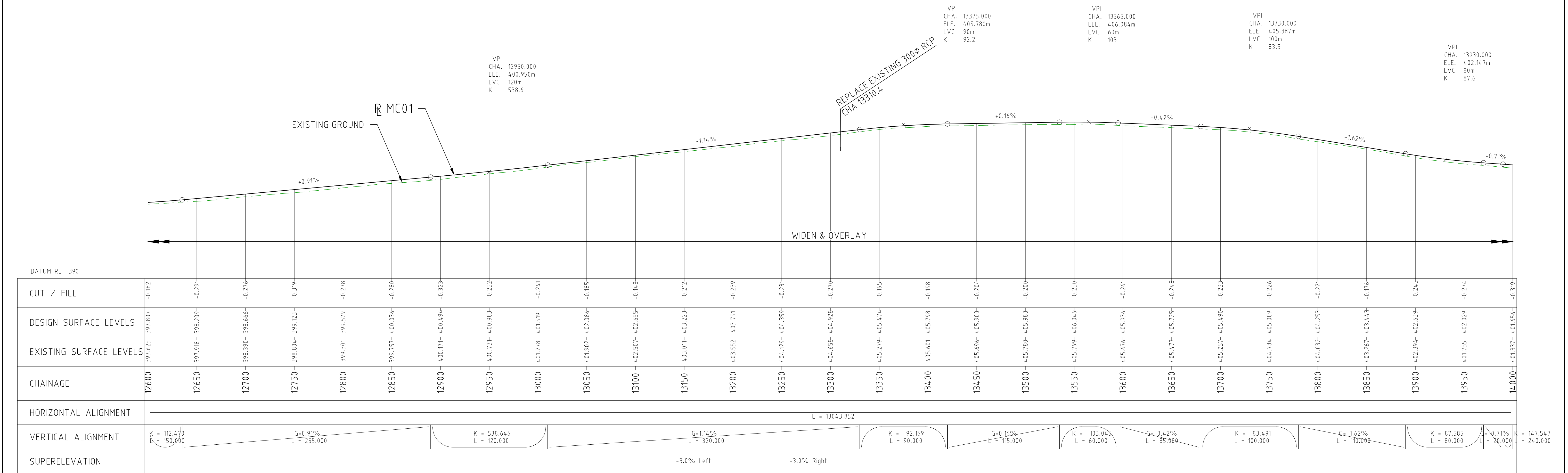
SERVICES LEGEND:



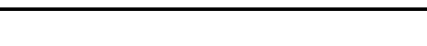

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

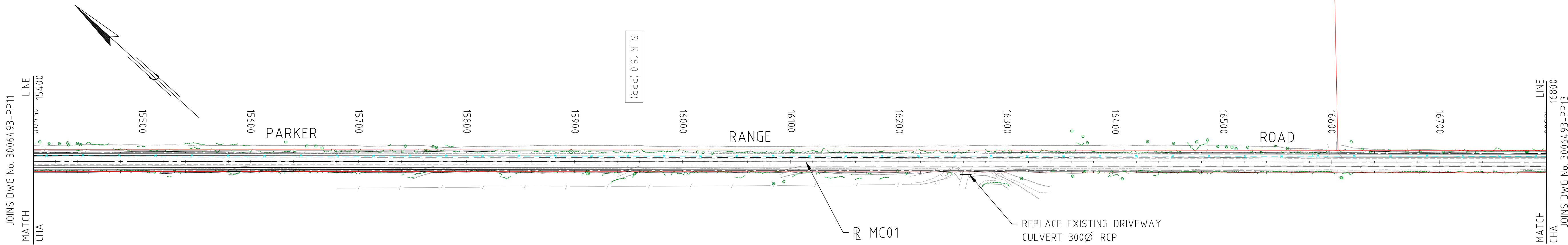


NOTES:

- ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
- THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP10.dwg				PLOT DATE 04 Nov 2022		TIME 13:02:53		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0035				
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 12600 TO CHA 14000	
						DRAFTER	DM									
						DRAFTING CHECK	TM									
						DESIGNER	TM									
						DESIGN CHECK	TM									
						PROJECT MANAGER	DM									
						PROJECT DIRECTOR	RI									
								SCALE		PHASE		PROJECT / DRAWING No		REVISION		
								AS NOTED		DETAILED		3006493-PP10		0		



LEGEND:

- CADASTRAL BOUNDARY
- ⊙ EXISTING TREE
- / — / — EXISTING BUSH LINE
- / — / — EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PPR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

SERVICES LEGEND:

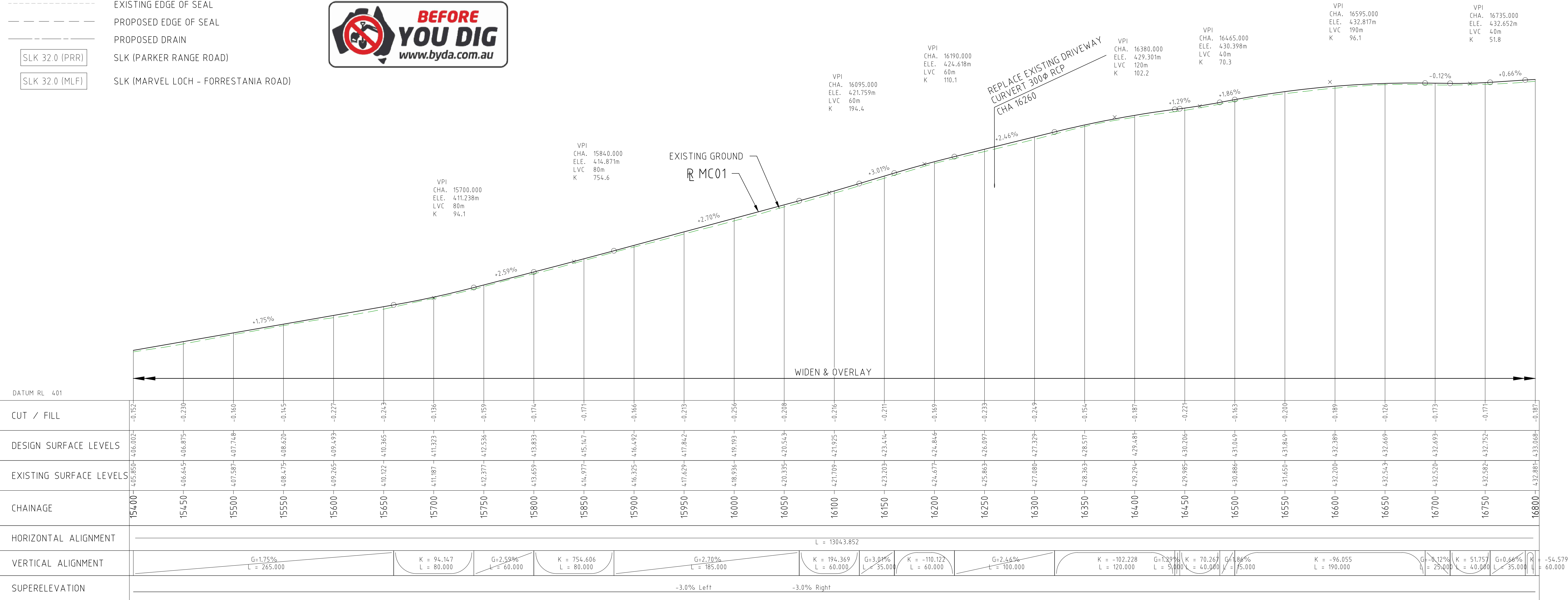
- OH — OVERHEAD POWER
- W — WATER PIPE
- W — COVALENT PIPELINE
- T — TELSTRA







PLAN
1:2000

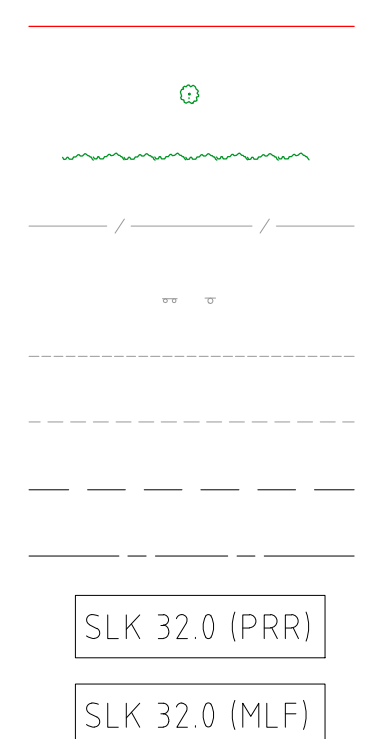
NOTES:

- ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
- THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP12.dwg				PLOT DATE 04 Nov 2022		TIME 13:08:22		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0037			
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL	TITLE	NAME	SCALES AT 1:1 SIZE DRAWING		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMEC PROJECT No 3006493	CLIENT <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE		
									<div><div>SCALE 1:2000</div><div></div></div>				PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 15400 TO CHA 16800		
									<div><div>SCALE 1:200</div><div></div></div>						
												SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP12	REVISION 0

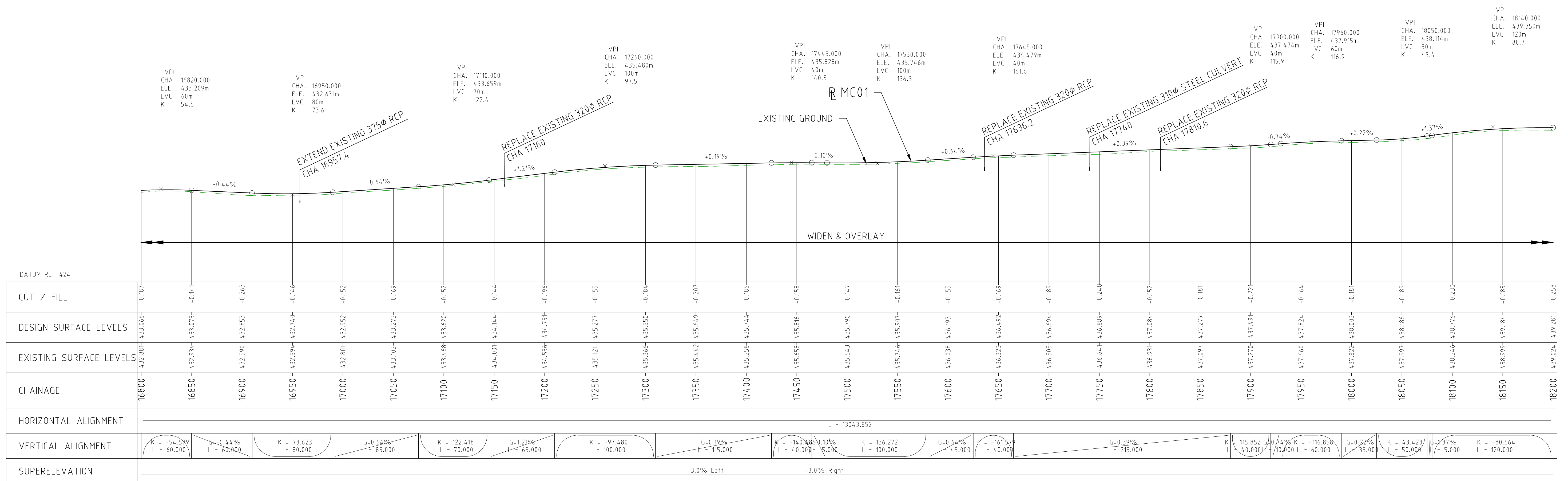


— OH —	OVERHEAD POWER
— W —	WATER PIPE
— W —	COVALENT PIPELINE
— T —	TELSTRA









PLAN
1:2000

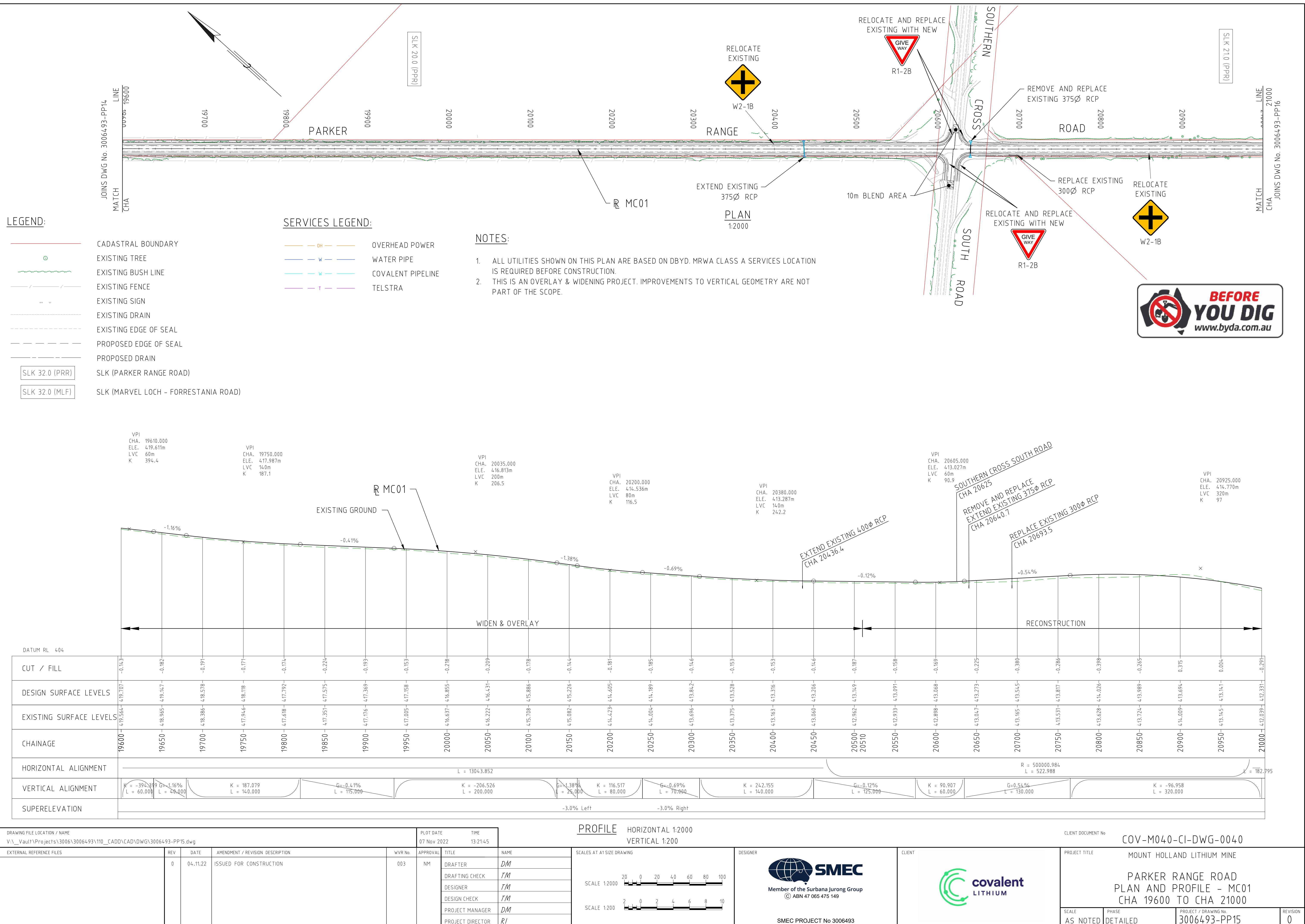
1. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
2. THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.







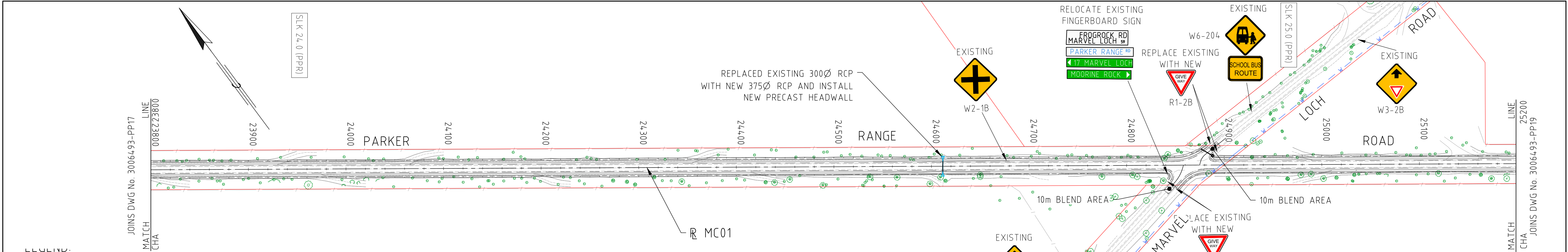
PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110__CADD\CAD\DWG\3006493-PP13.dwg					PLOT DATE 07 Nov 2022		TIME 13:12:09		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0038					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 16800 TO CHA 18200			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	DM	SCALE 1:2000 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493					
							DRAFTING CHECK	TM	SCALE 1:200 							
							DESIGNER	TM								
							DESIGN CHECK	TM								
							PROJECT MANAGER	DM								
							PROJECT DIRECTOR	RI								
													SCALE	PHASE	PROJECT / DRAWING No	REVISION
													AS NOTED	DETAILED	3006493-PP13	0

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP14.dwg				PLOT DATE 04 Nov 2022		TIME 13:14:46		PROFILE HORIZONTAL 1:2000 VERTICAL 1:2000				CLIENT DOCUMENT No COV-M040-CI-DWG-0039																				
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	<table><tr><td>TITLE</td><td>NAME</td></tr><tr><td>DRAFTER</td><td>DM</td></tr><tr><td>DRAFTING CHECK</td><td>TM</td></tr><tr><td>DESIGNER</td><td>TM</td></tr><tr><td>DESIGN CHECK</td><td>TM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>		TITLE	NAME	DRAFTER	DM	DRAFTING CHECK	TM	DESIGNER	TM	DESIGN CHECK	TM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	<div>SCALES AT A1 SIZE DRAWING</div> <div><div>SCALE 1:2000</div><div><div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div></div><div>SCALE 1:200</div><div><div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div></div></div>		<div>DESIGNER</div> <div><div></div><div>SMC</div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div><div></div><div>covalent</div><div>LITHIUM</div></div>		<div>PROJECT TITLE</div> <div>MOUNT HOLLAND LITHIUM MINE</div> <div>PARKER RANGE ROAD</div> <div>PLAN AND PROFILE - MC01</div> <div>CHA 18200 TO CHA 19600</div>			
TITLE	NAME																															
DRAFTER	DM																															
DRAFTING CHECK	TM																															
DESIGNER	TM																															
DESIGN CHECK	TM																															
PROJECT MANAGER	DM																															
PROJECT DIRECTOR	RI																															
		SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP14		REVISION 0																								



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP17.dwg						PLOT DATE 04 Nov 2022		TIME 13:26:44		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0042				
EXTERNAL REFERENCE FILES		REV D	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER	NAME DM	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 224+00 TO CHA 23800	
							DRAFTING CHECK	FM								
							DESIGNER	FM								
							DESIGN CHECK	FM								
							PROJECT MANAGER	DM								
							PROJECT DIRECTOR	RI								
													SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No. 3006493-PP17	REVISION 0

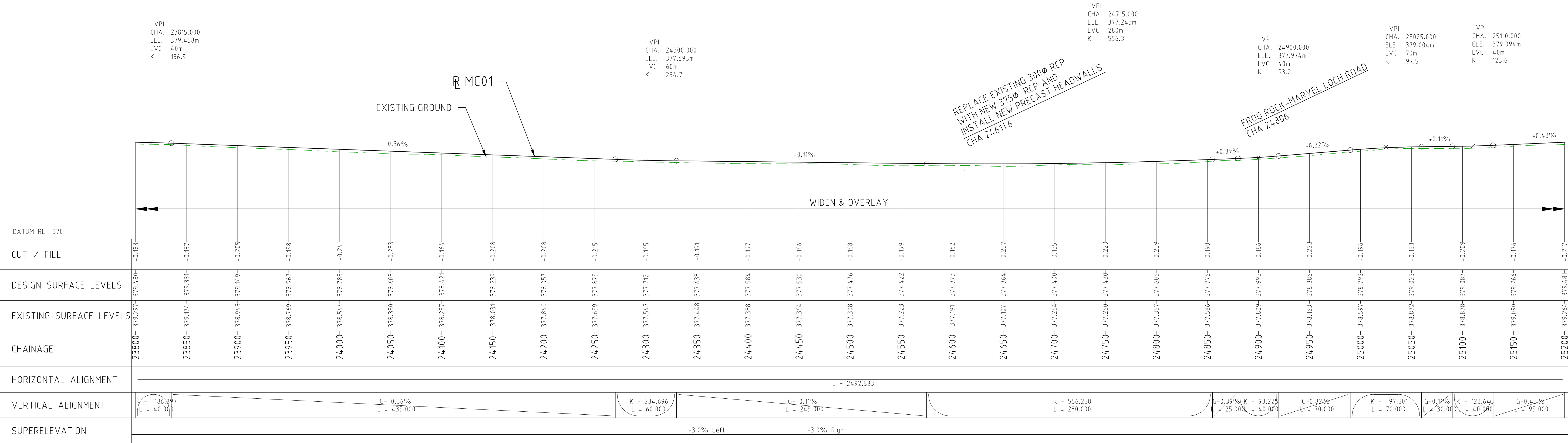


PLAN
1:2000




- LEGEND:**
- CADASTRAL BOUNDARY
 - EXISTING TREE
 - EXISTING BUSH LINE
 - EXISTING FENCE
 - EXISTING SIGN
 - EXISTING DRAIN
 - EXISTING EDGE OF SEAL
 - PROPOSED EDGE OF SEAL
 - PROPOSED DRAIN
 - SLK 32.0 (PRR)
 - SLK 32.0 (MLF)
- SERVICES LEGEND:**
- OVERHEAD POWER
 - WATER PIPE
 - COVALENT PIPELINE
 - TELSTRA
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

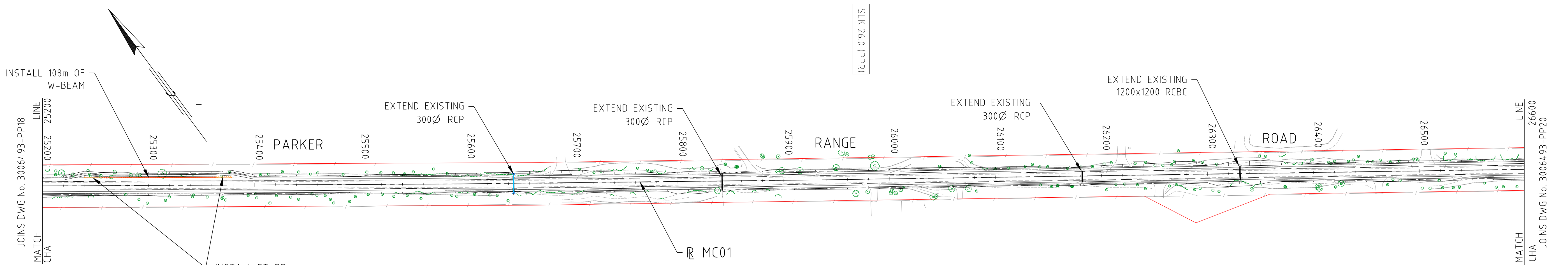


- NOTES:**
- ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
 - THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP18.dwg				PLOT DATE 07 Nov 2022		TIME 13:18:09		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0043					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE		DESIGNER		CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 23800 TO CHA 25200			
								DRAFTER	DM							SCALE AS NOTED PHASE DETAILED PROJECT / DRAWING No 3006493-PP18 REVISION 0	
						DRAFTING CHECK	TM										
						DESIGNER	TM										
						DESIGN CHECK	TM										
						PROJECT MANAGER	DM										
								PROJECT DIRECTOR	RI	SMEC PROJECT No 3006493							



NOTES:

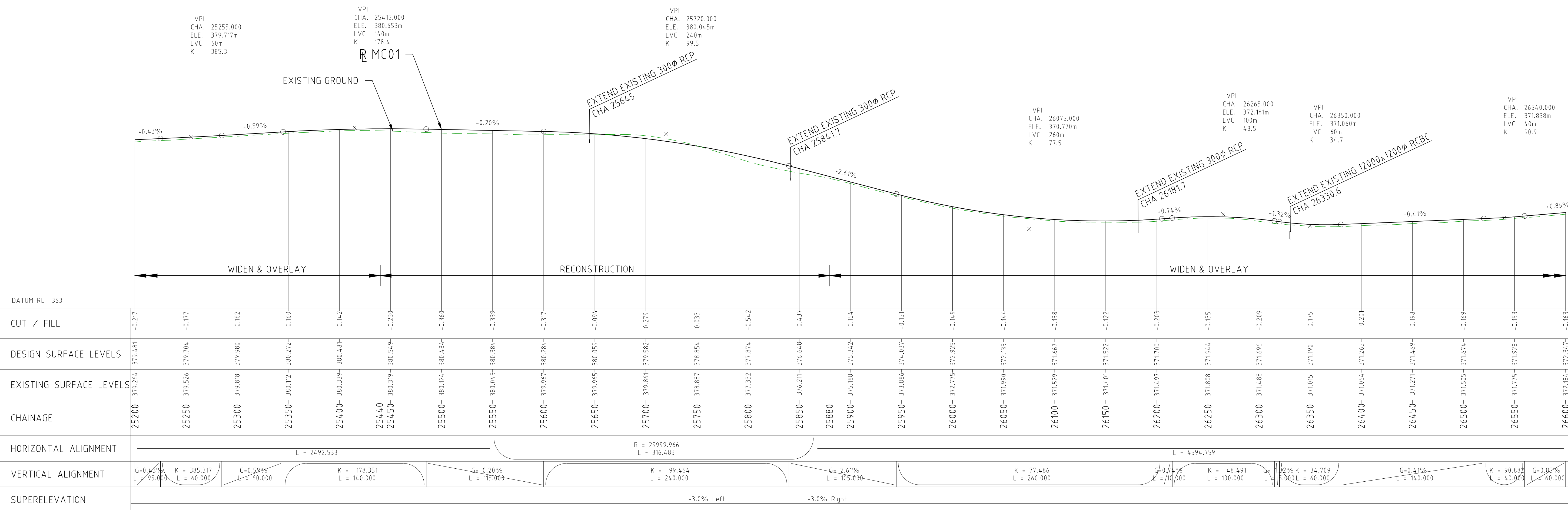
1. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
2. THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.

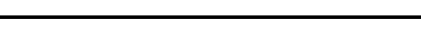



SERVICES LEGEND:

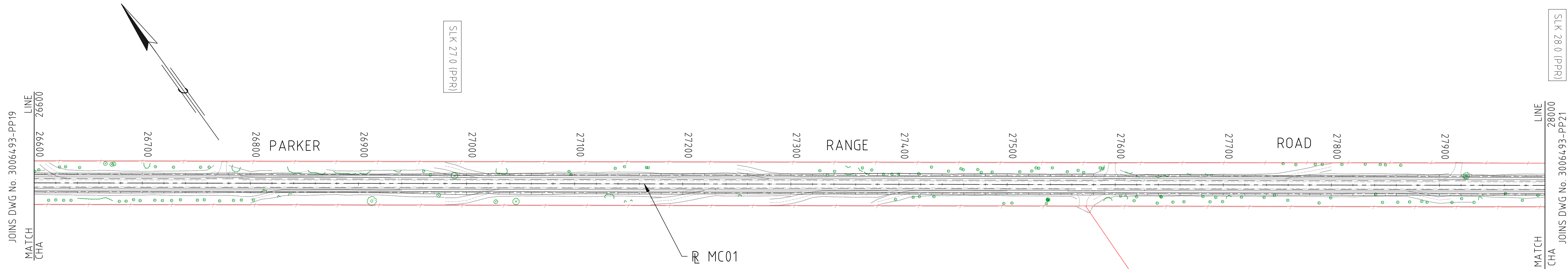
- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PPR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP19.dwg				PLOT DATE 04 Nov 2022		TIME 13:36:56		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0044											
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE DRAFTER DM DRAFTING CHECK TM DESIGNER TM DESIGN CHECK TM PROJECT MANAGER PROJECT DIRECTOR RI		DESIGNER  Member of the Surlana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 25200 TO CHA 26600		SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP19		REVISION 0	
										 SCALE 1:2000													
										 SCALE 1:200													



LEGEND:

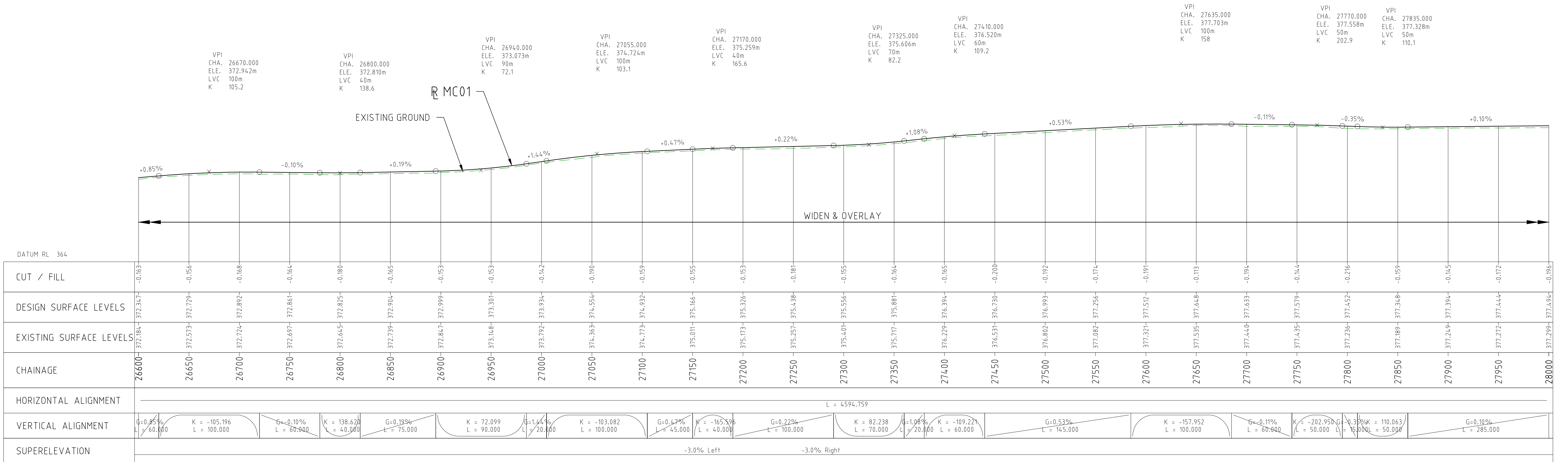
- CADASTRAL BOUNDARY
- ⊙ EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PPR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)

SERVICES LEGEND:



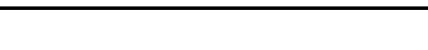

- OH — OVERHEAD POWER
- W — WATER PIPE
- W — COVALENT PIPELINE
- T — TELSTRA

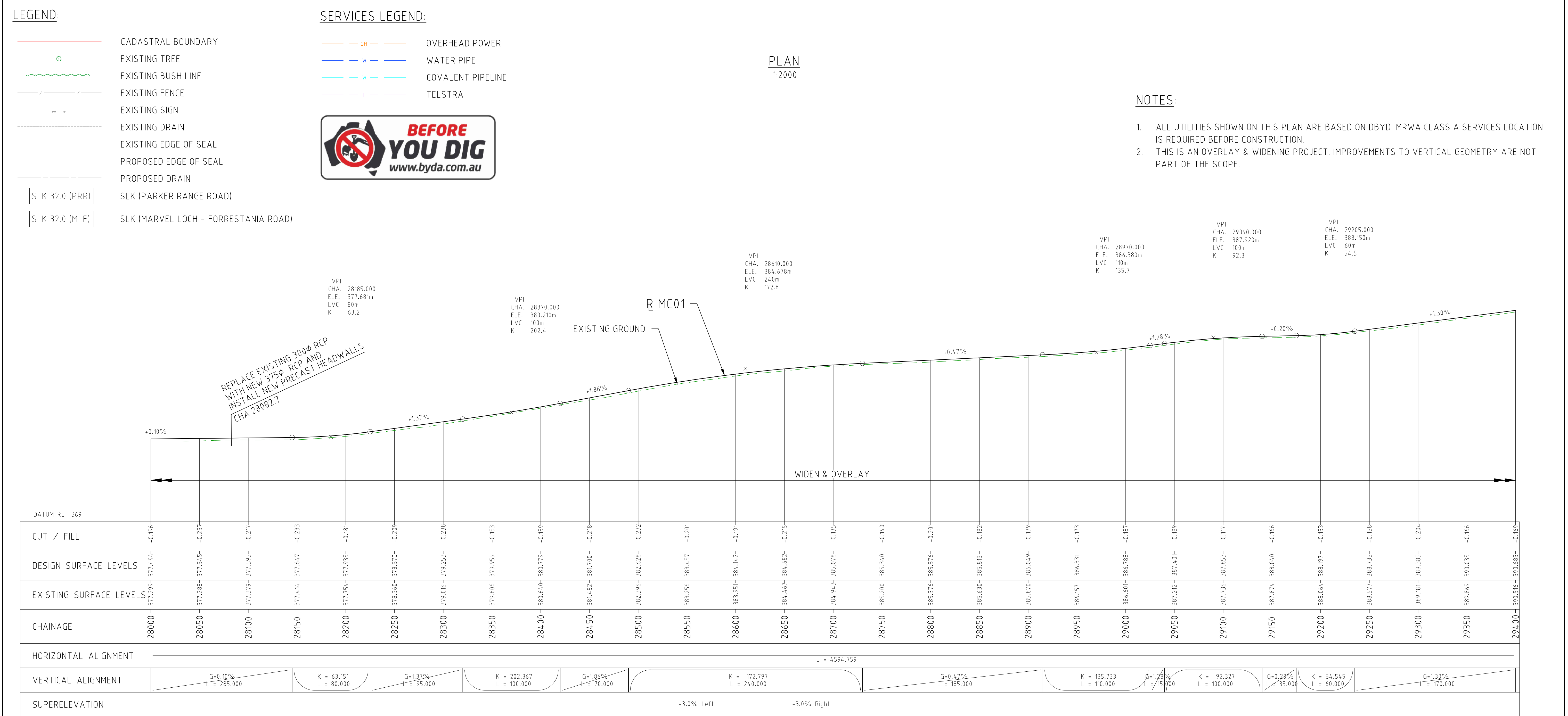
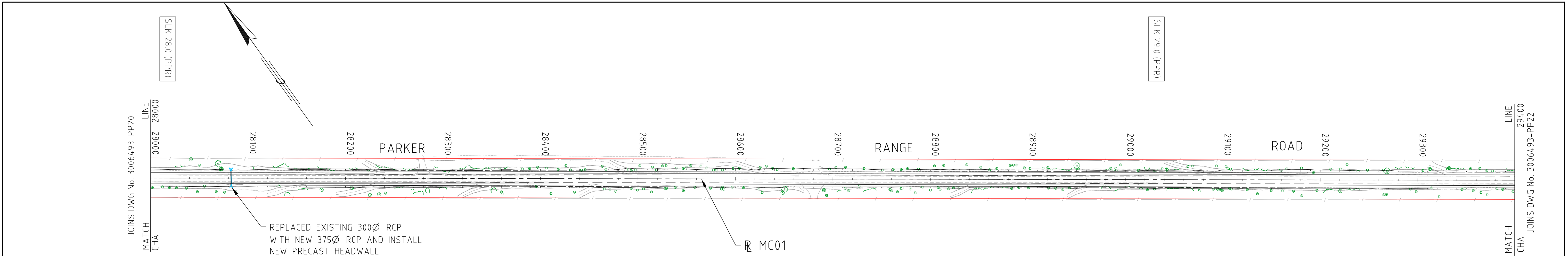
NOTES:

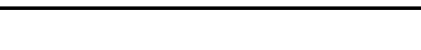

1. ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON DBYD. MRWA CLASS A SERVICES LOCATION IS REQUIRED BEFORE CONSTRUCTION.
2. THIS IS AN OVERLAY & WIDENING PROJECT. IMPROVEMENTS TO VERTICAL GEOMETRY ARE NOT PART OF THE SCOPE.

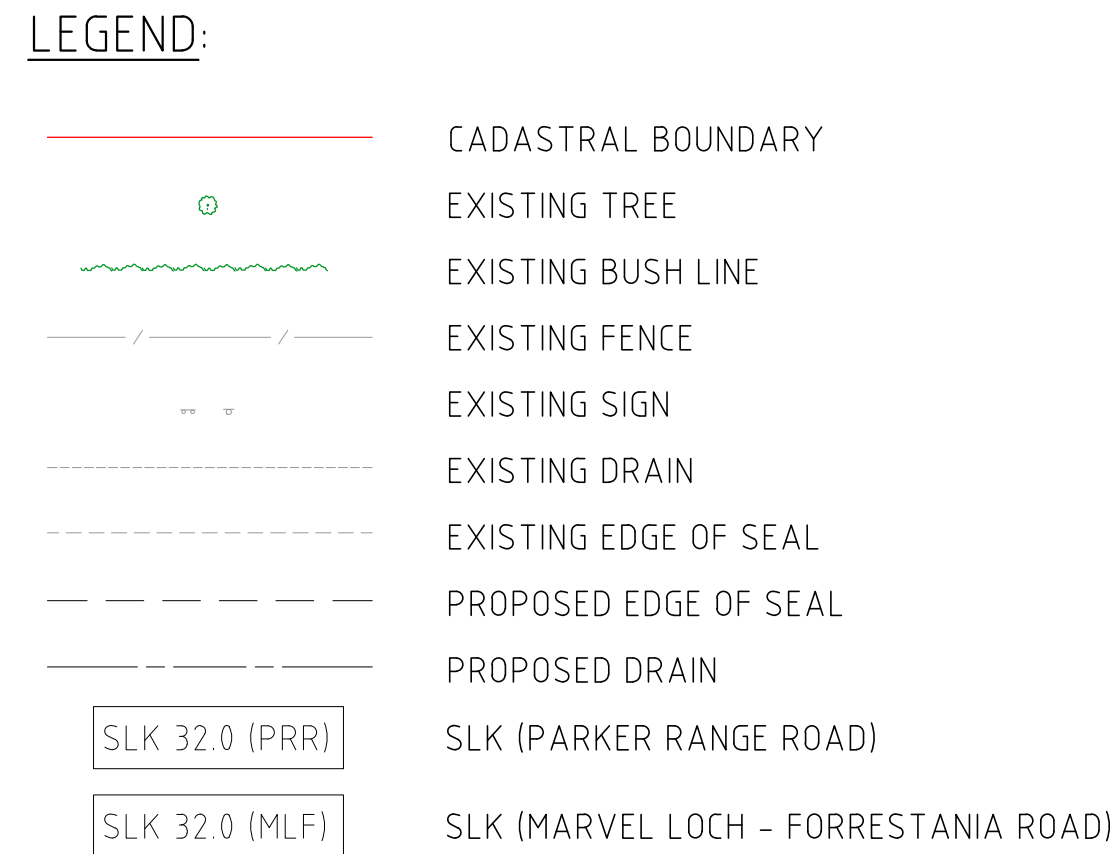


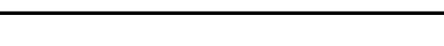

PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

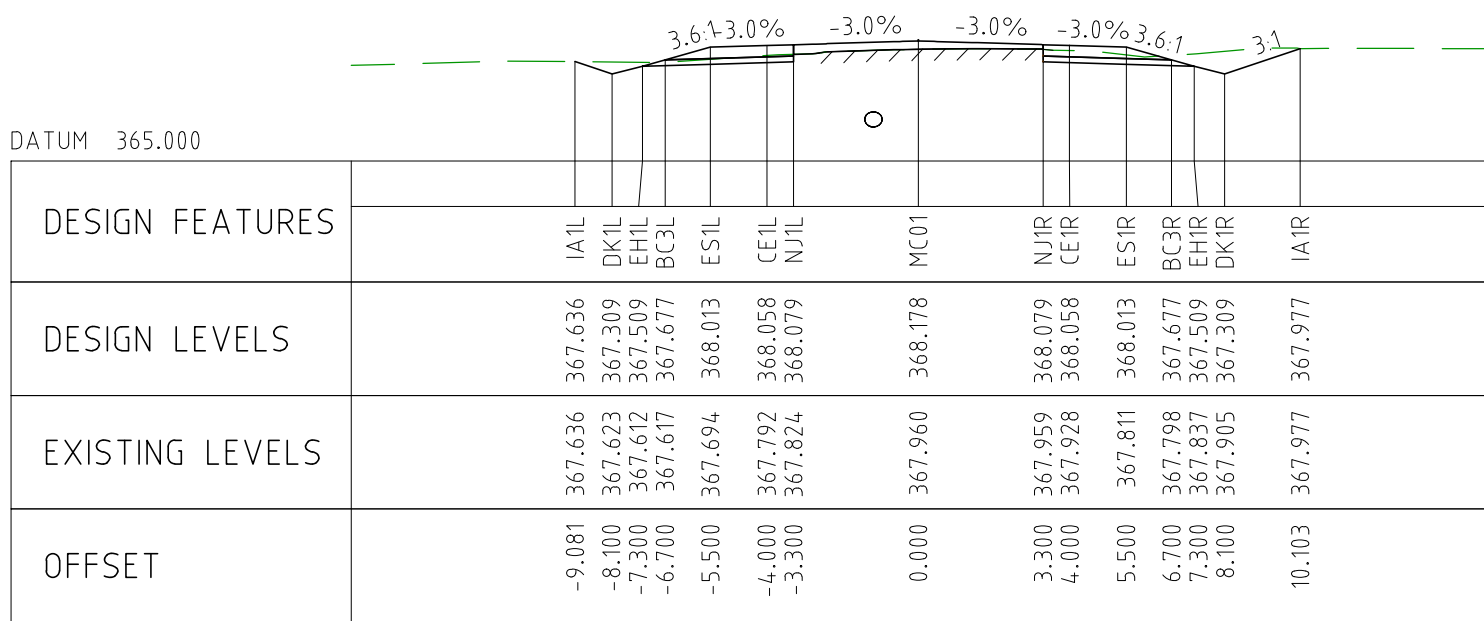
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP20.dwg					PLOT DATE 04 Nov 2022		TIME 13:42:19		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0045							
EXTERNAL REFERENCE FILES			REV		DATE		AMENDMENT / REVISION DESCRIPTION		WVR No		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE							
			0		04.11.22		ISSUED FOR CONSTRUCTION		003		NM							
											DRAFTER DM							
											DRAFTING CHECK TM							
											DESIGNER TM							
											DESIGN CHECK TM							
											PROJECT MANAGER DM							
											PROJECT DIRECTOR RI							
					SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 					DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493			CLIENT 			PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 26600 TO CHA 28000		
SCALE AS NOTED			PHASE DETAILED			PROJECT / DRAWING No 3006493-PP20			REVISION 0									



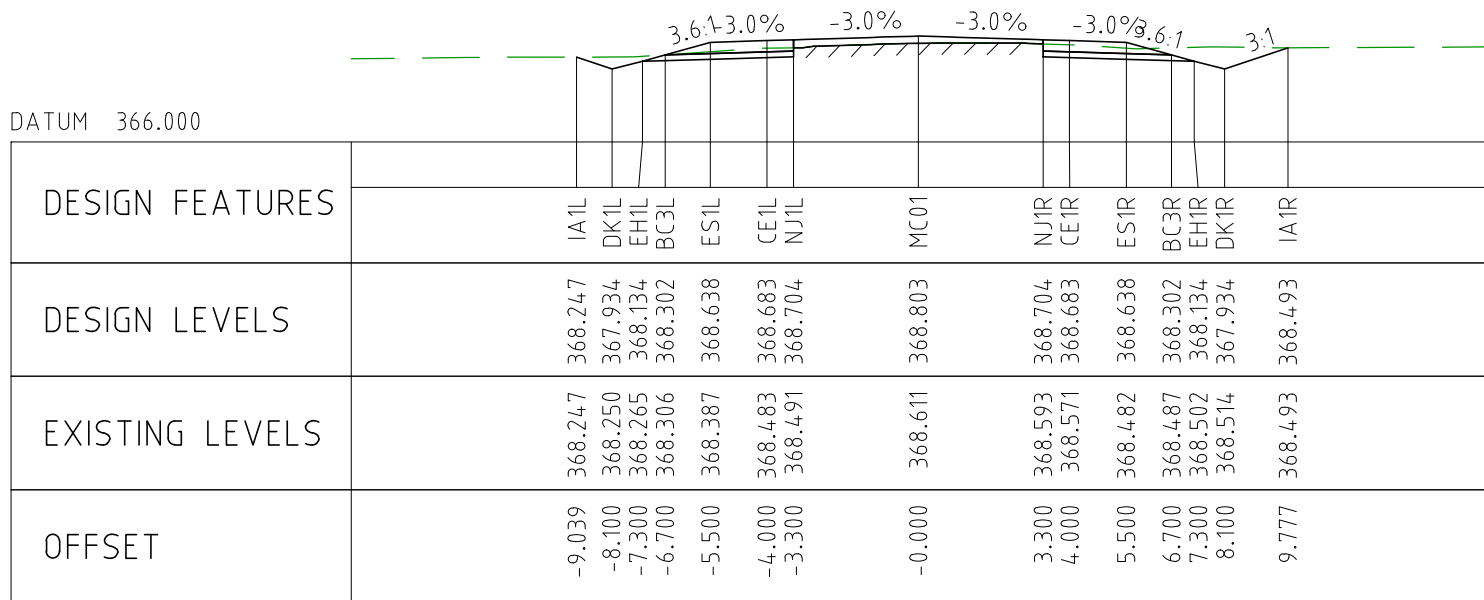
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP21.dwg				PLOT DATE 04 Nov 2022		TIME 13:50:57		HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0046			
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL		DESIGNER		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		 covalent LITHIUM		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 28000 TO CHA 29400	
						DRAFTER		DM							
						DRAFTING CHECK		TM							
						DESIGNER		TM							
						DESIGN CHECK		TM							
						PROJECT MANAGER		DM							
						PROJECT DIRECTOR		RI							



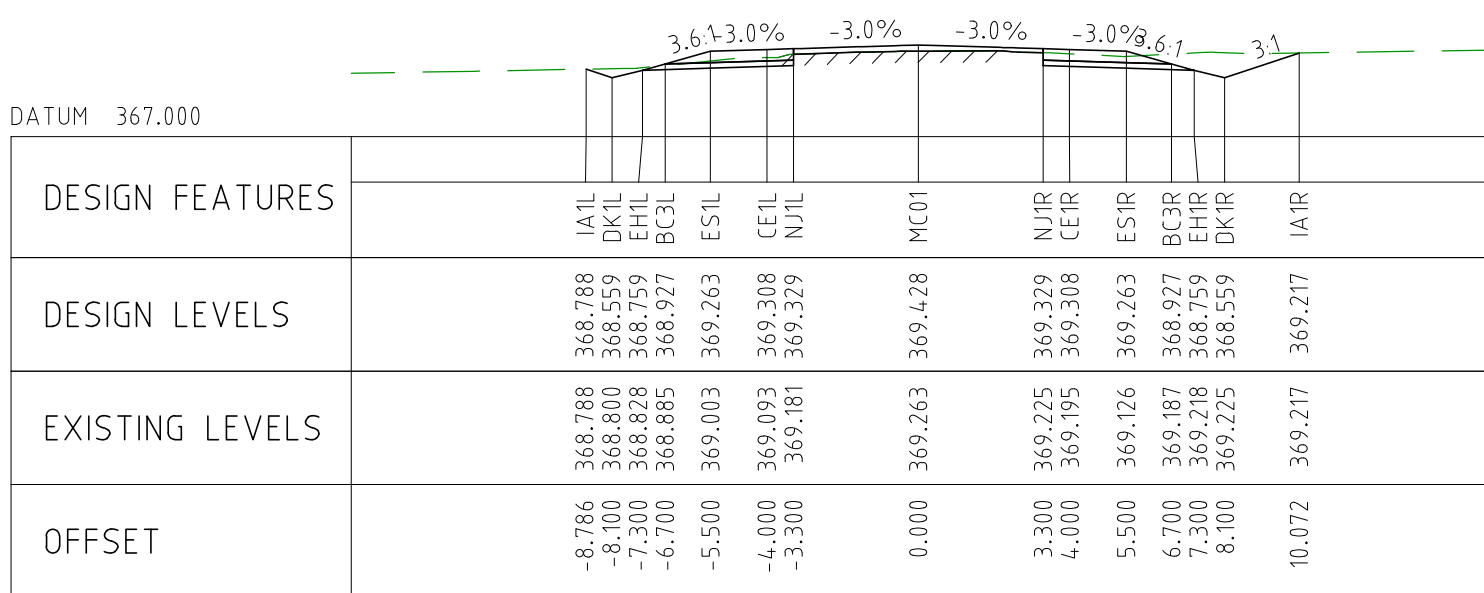
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP22.dwg						PLOT DATE 07 Nov 2022		TIME 13:15:06		VERTICAL 1:200				CLIENT DOCUMENT No				COV-M040-CI-DWG-0047				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING				DESIGNER		CLIENT		PROJECT TITLE				
		0	04.11.22	ISSUED FOR CONSTRUCTION		003	NM	DRAFTER	DM	<div>SCALE 1:2000</div> <div><div></div><div>2000</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div> <div>SCALE 1:200</div> <div><div></div><div>200</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div>				<div><div>SMEC</div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div>SMEC PROJECT No 3006493</div>		<div><div>covalent</div><div>LITHIUM</div></div>		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC01 CHA 29400 TO CHA 30464				
								PROJECT MANAGER														DM
								PROJECT DIRECTOR														RJ
								SCALE														AS NOTED
								PHASE														DETAILED
								PROJECT / DRAWING No														3006493-PP22
REVISION		0																				



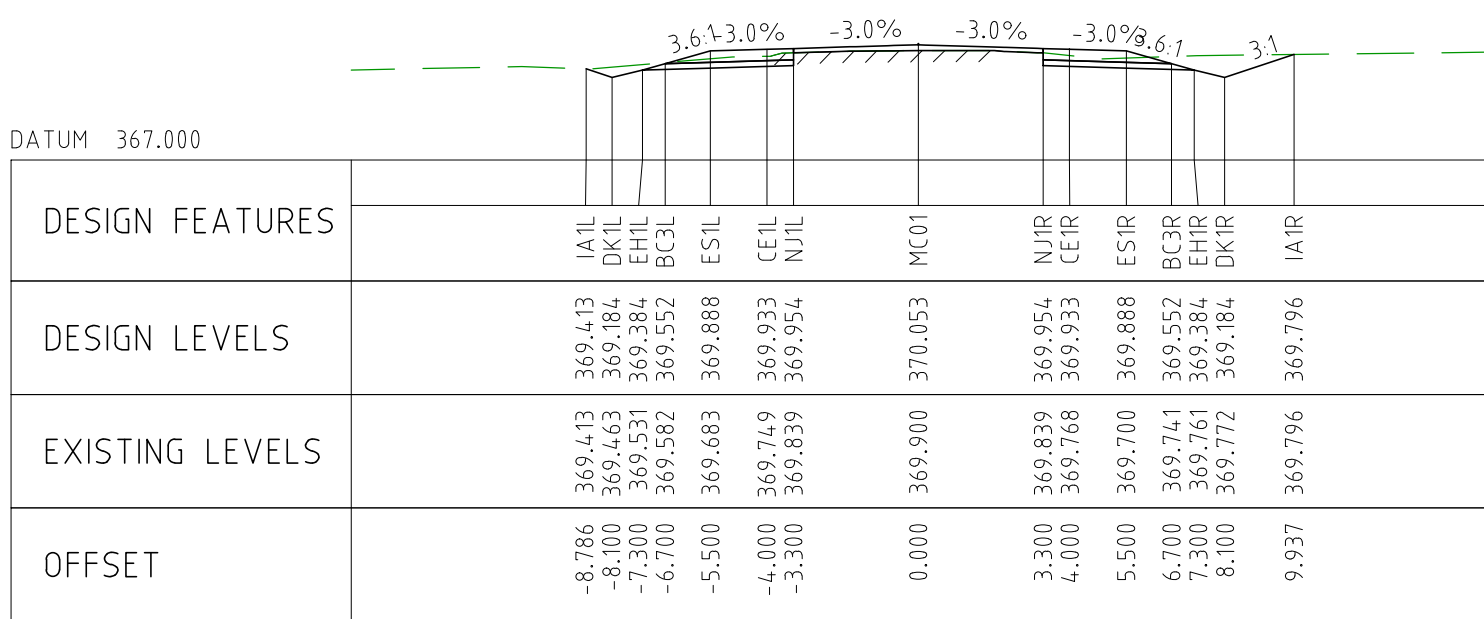
CHAINAGE 250



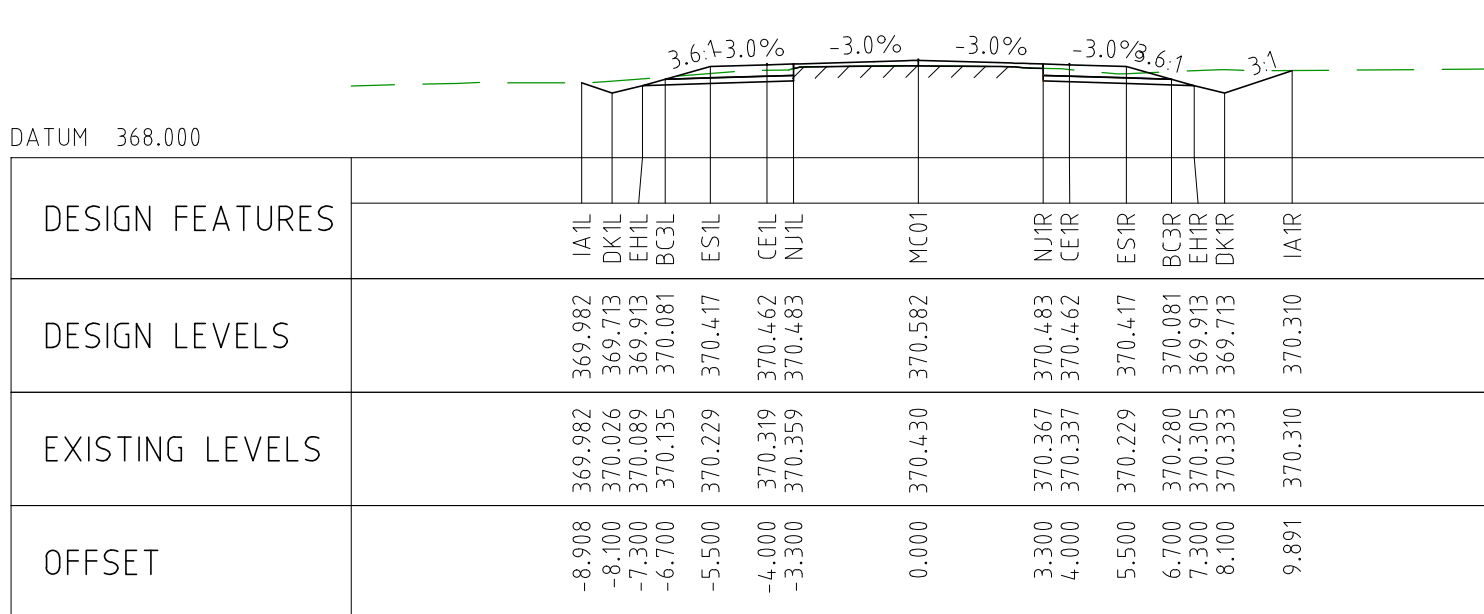
CHAINAGE 200



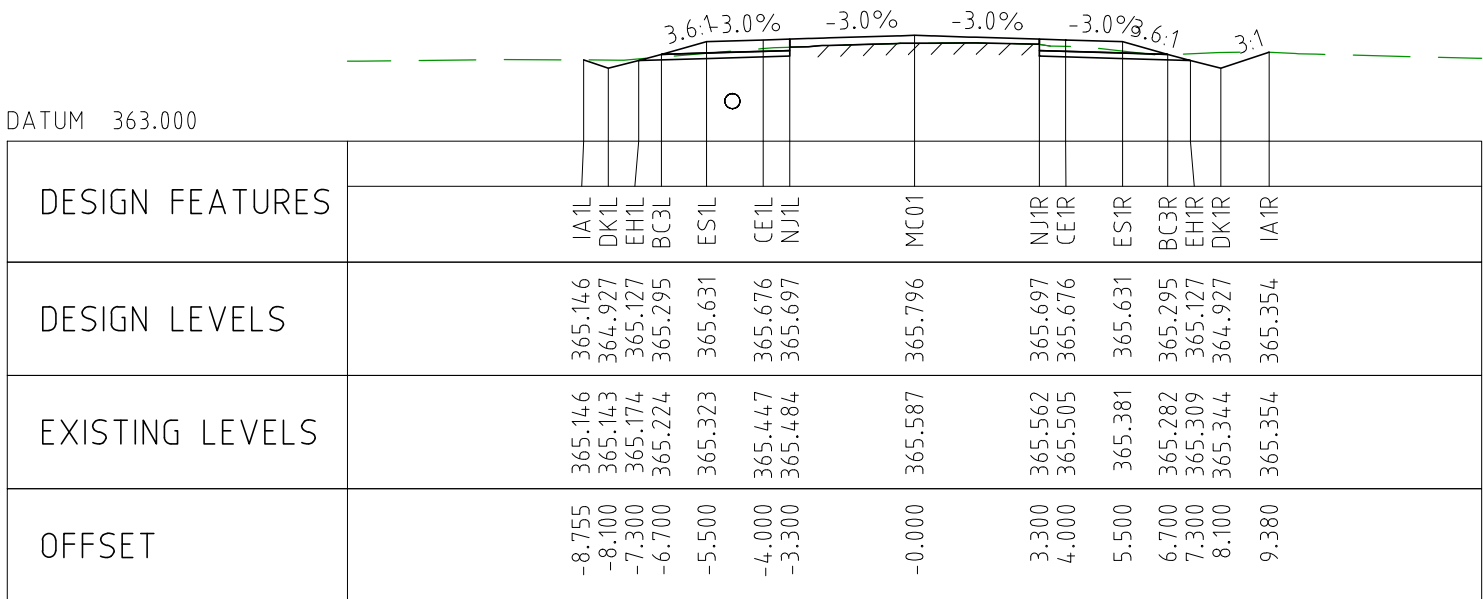
CHAINAGE 150



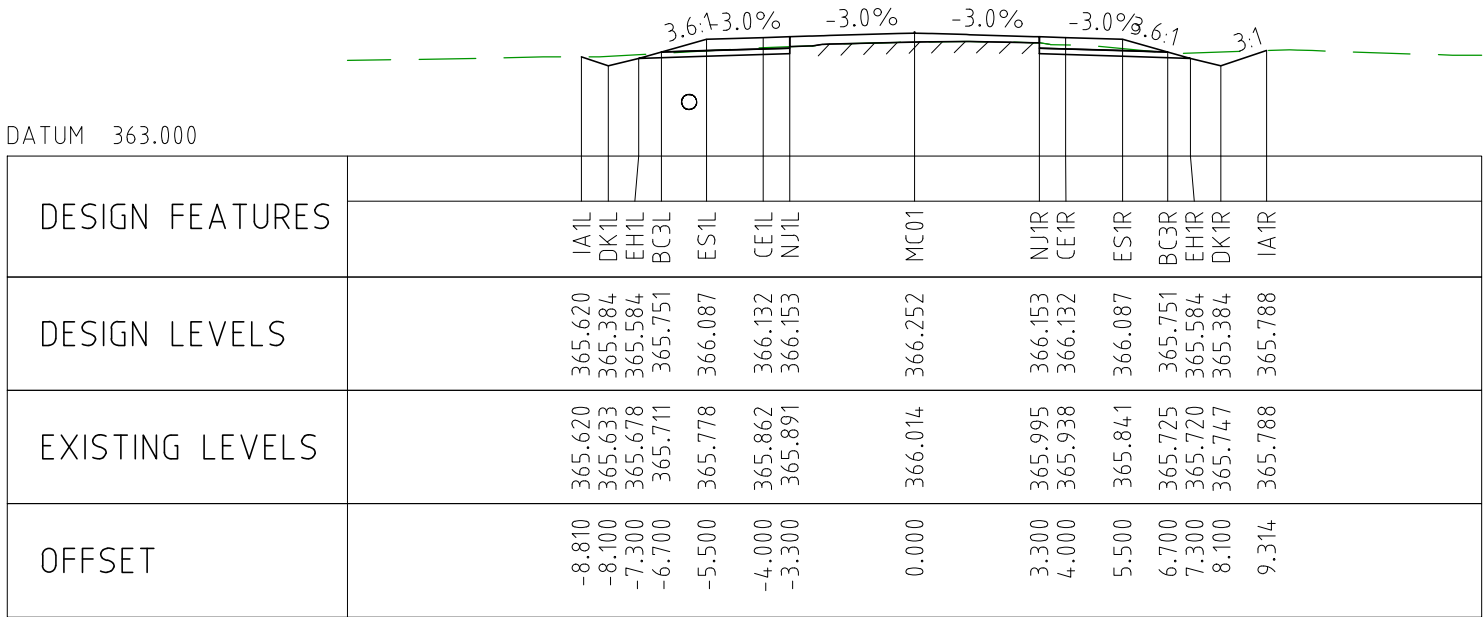
CHAINAGE 100



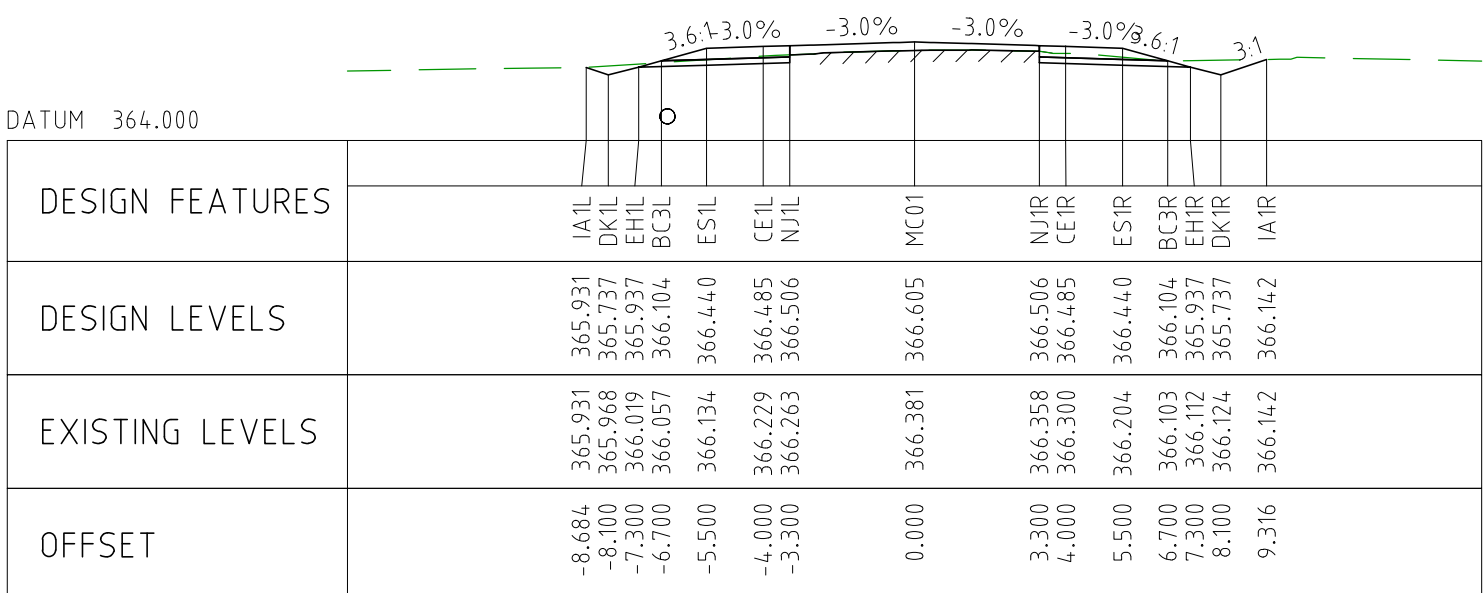
CHAINAGE 50



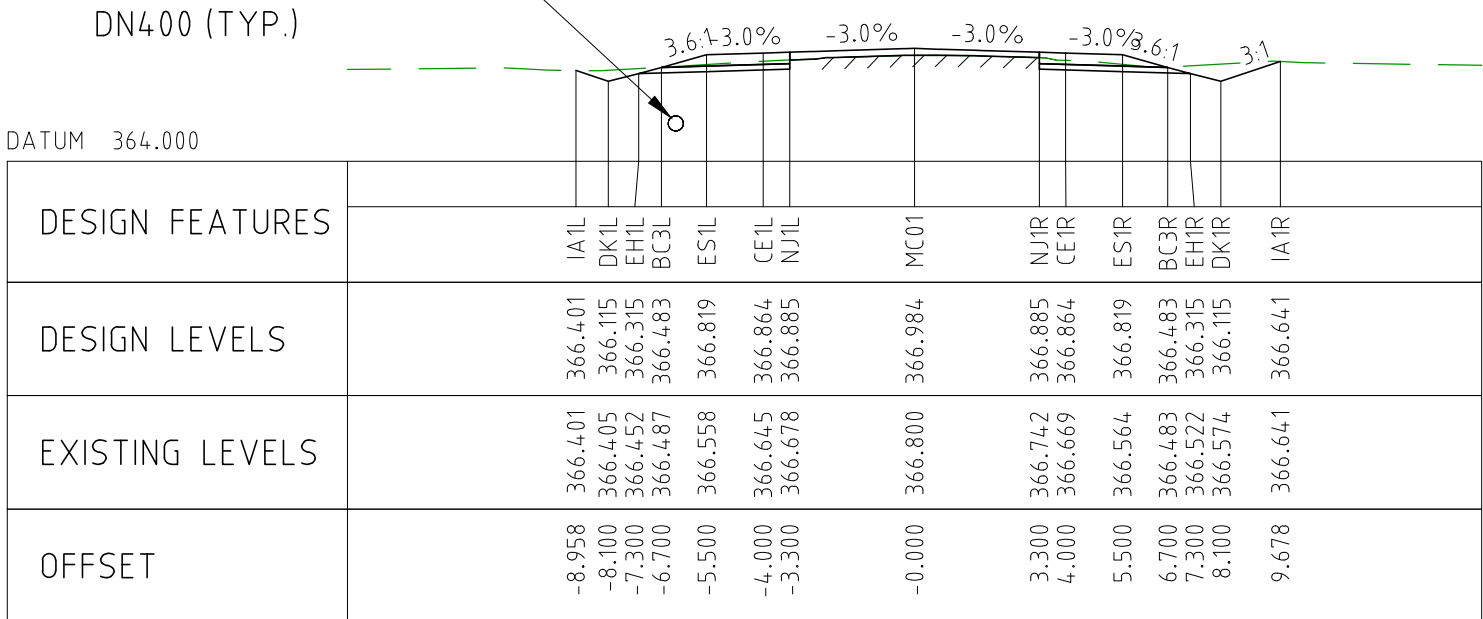
CHAINAGE 500



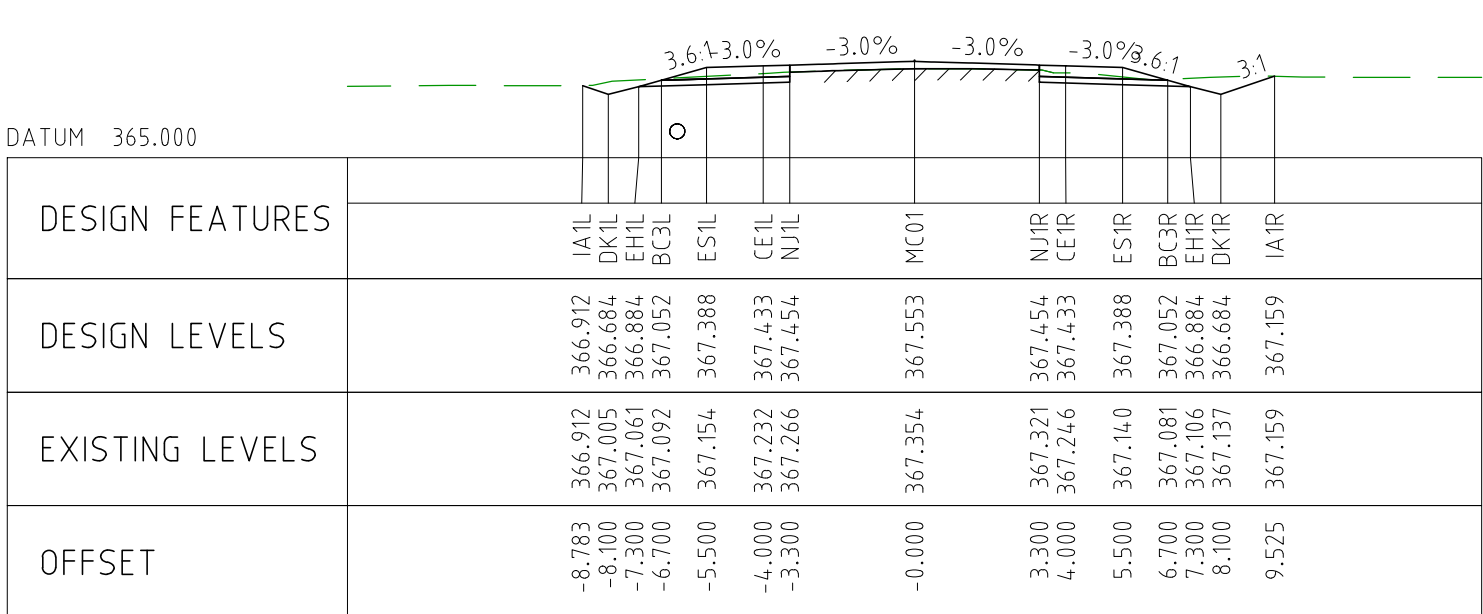
CHAINAGE 450



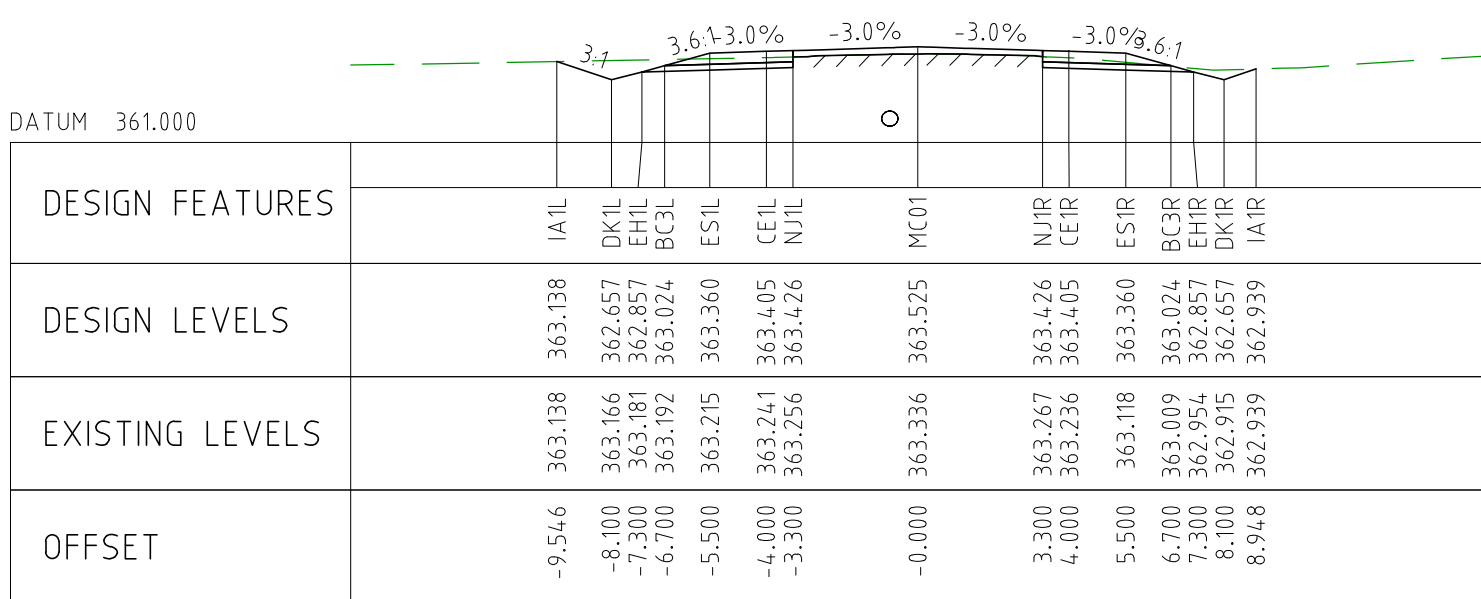
CHAINAGE 400



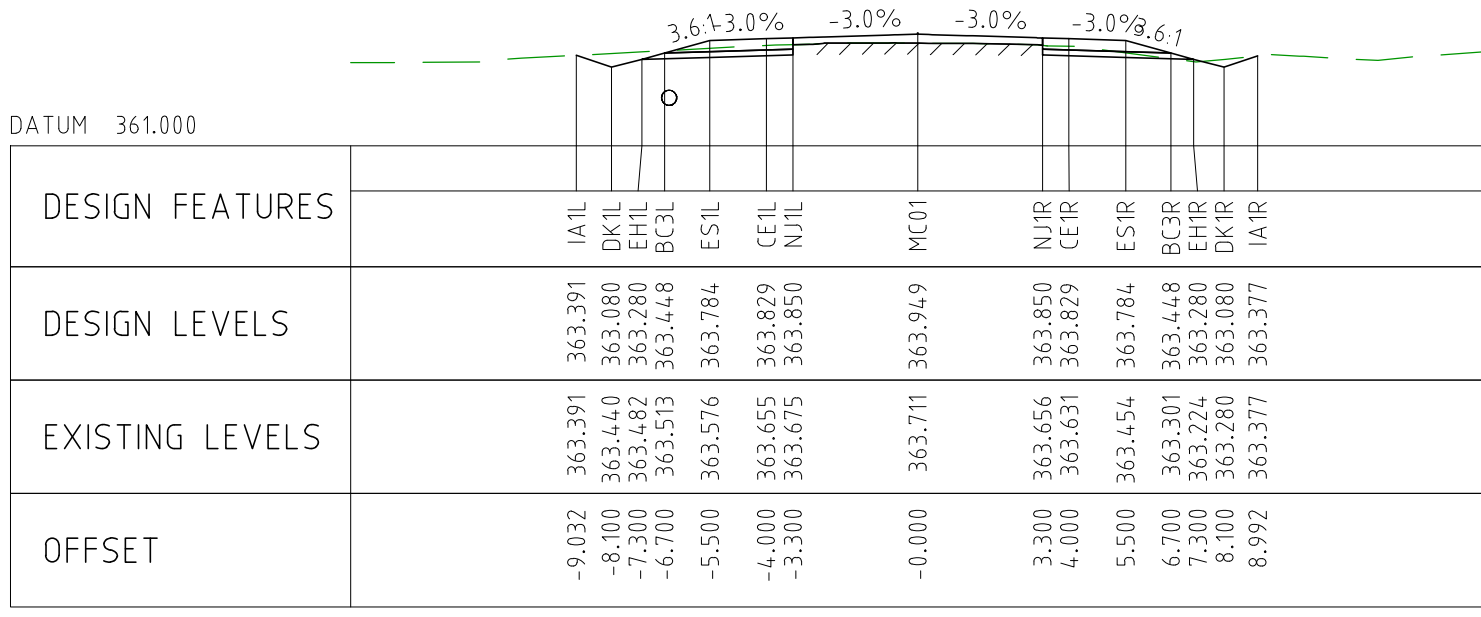
CHAINAGE 350



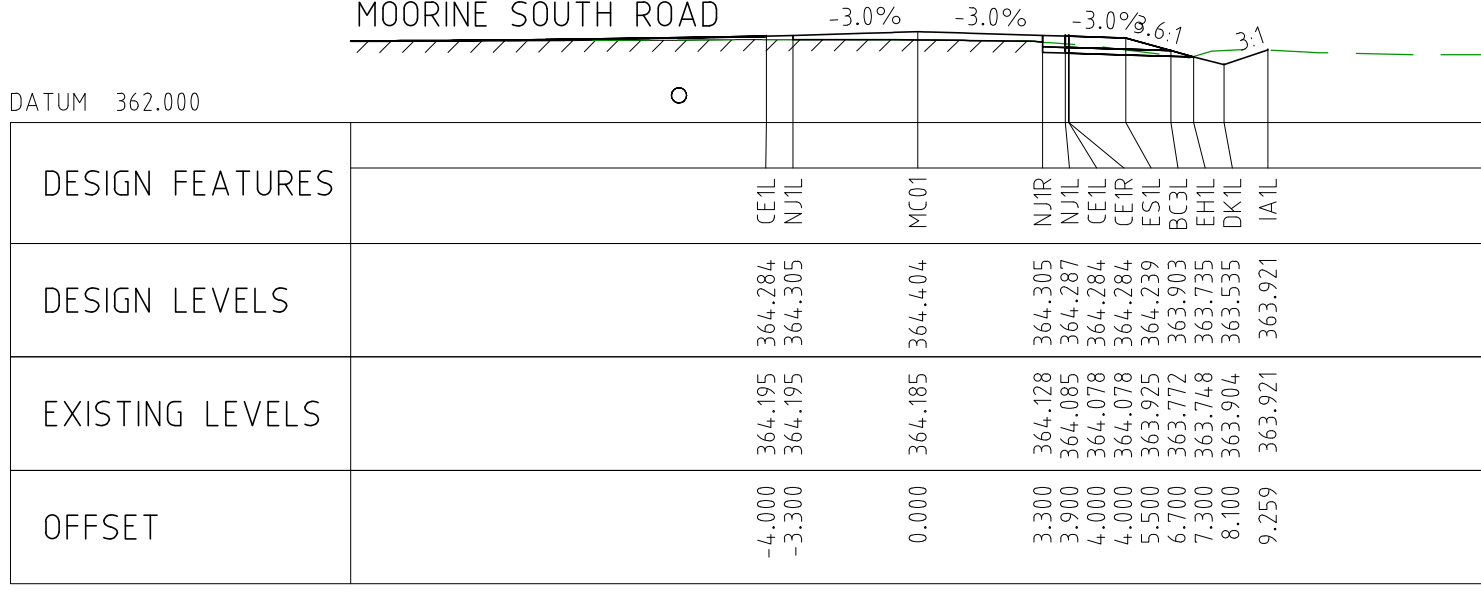
CHAINAGE 300



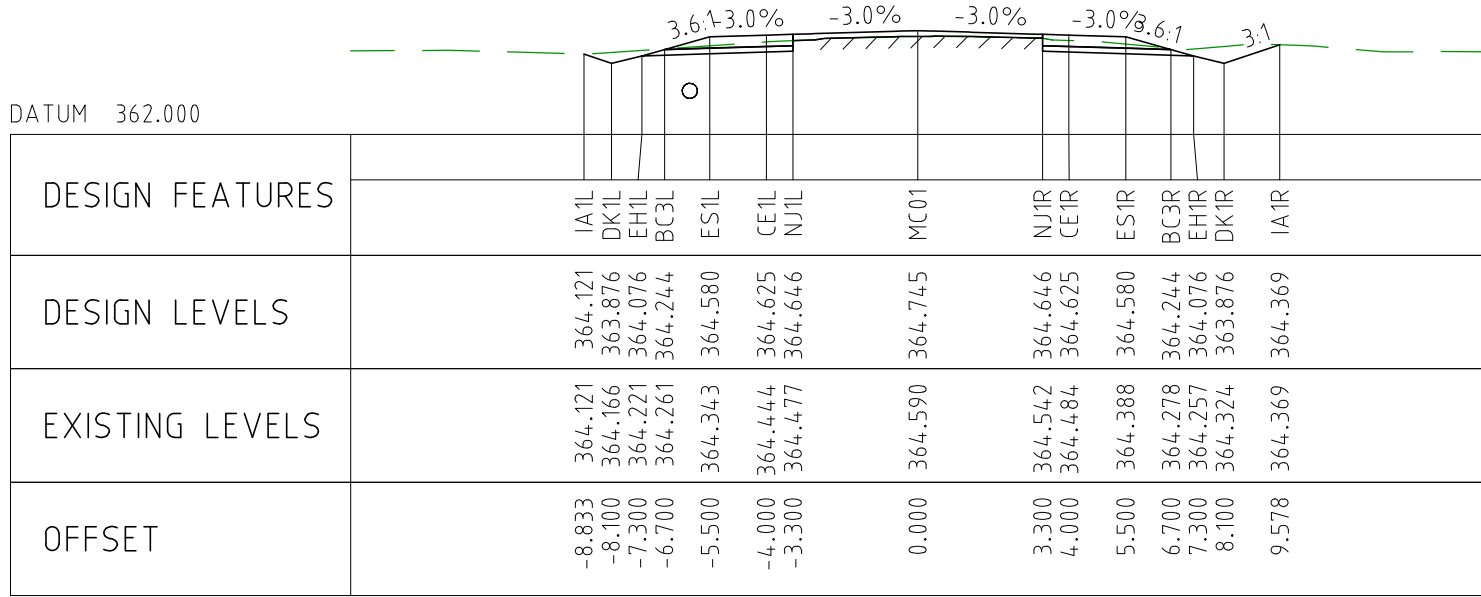
CHAINAGE 750



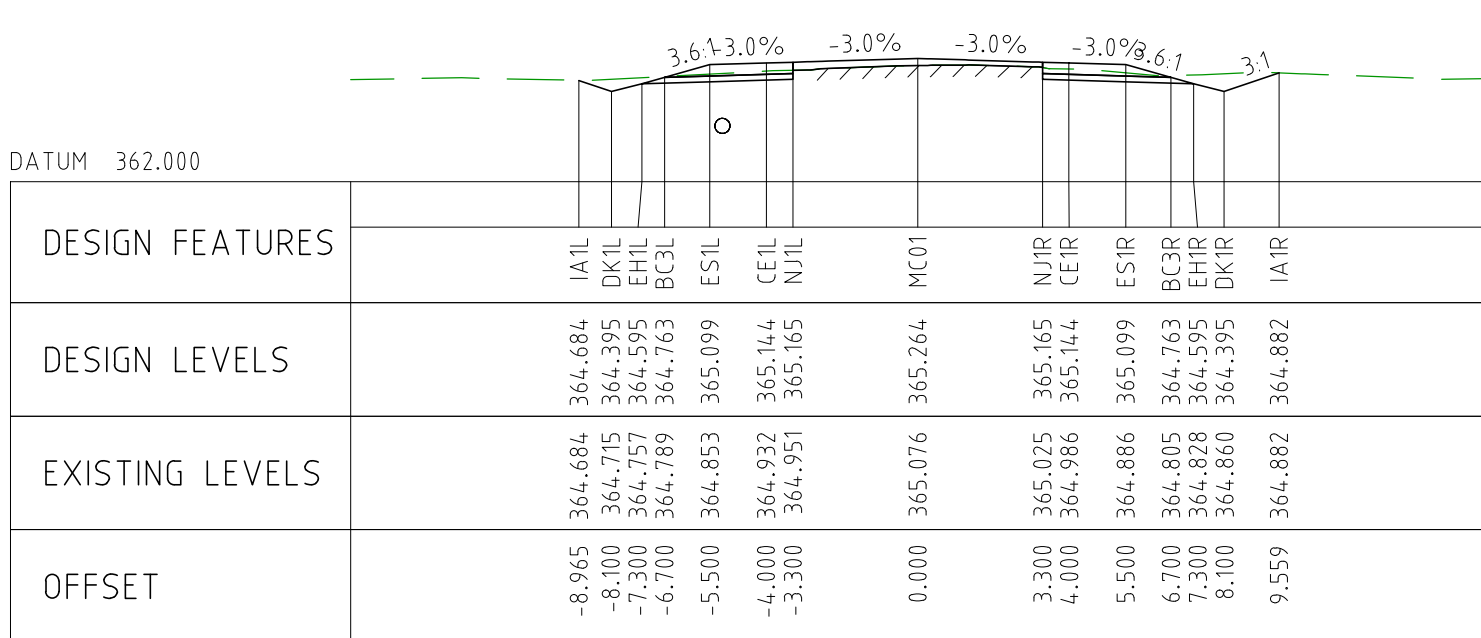
CHAINAGE 700



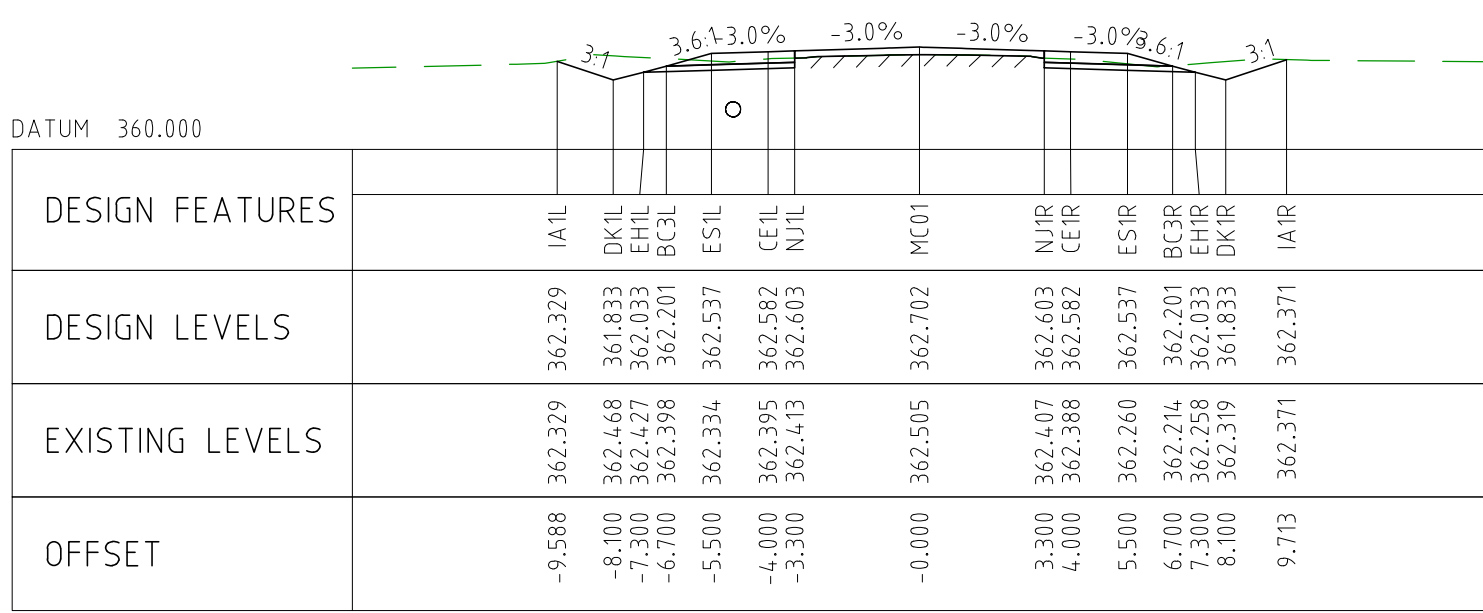
CHAINAGE 650



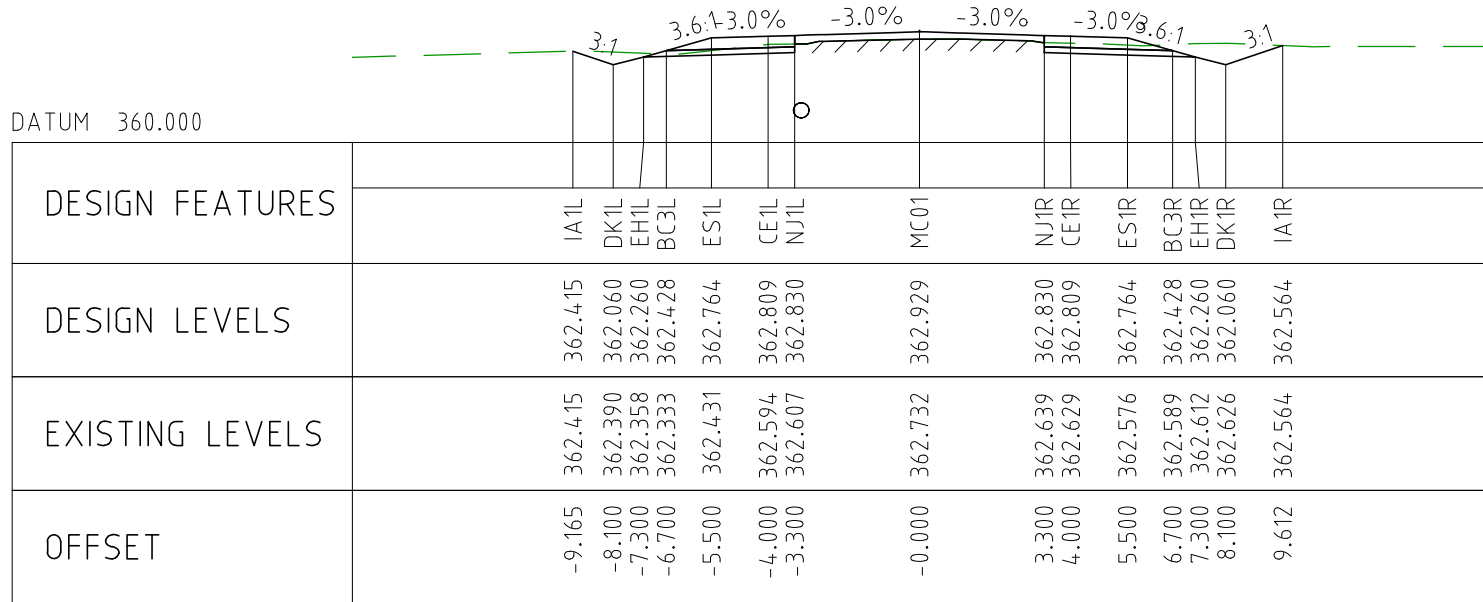
CHAINAGE 600



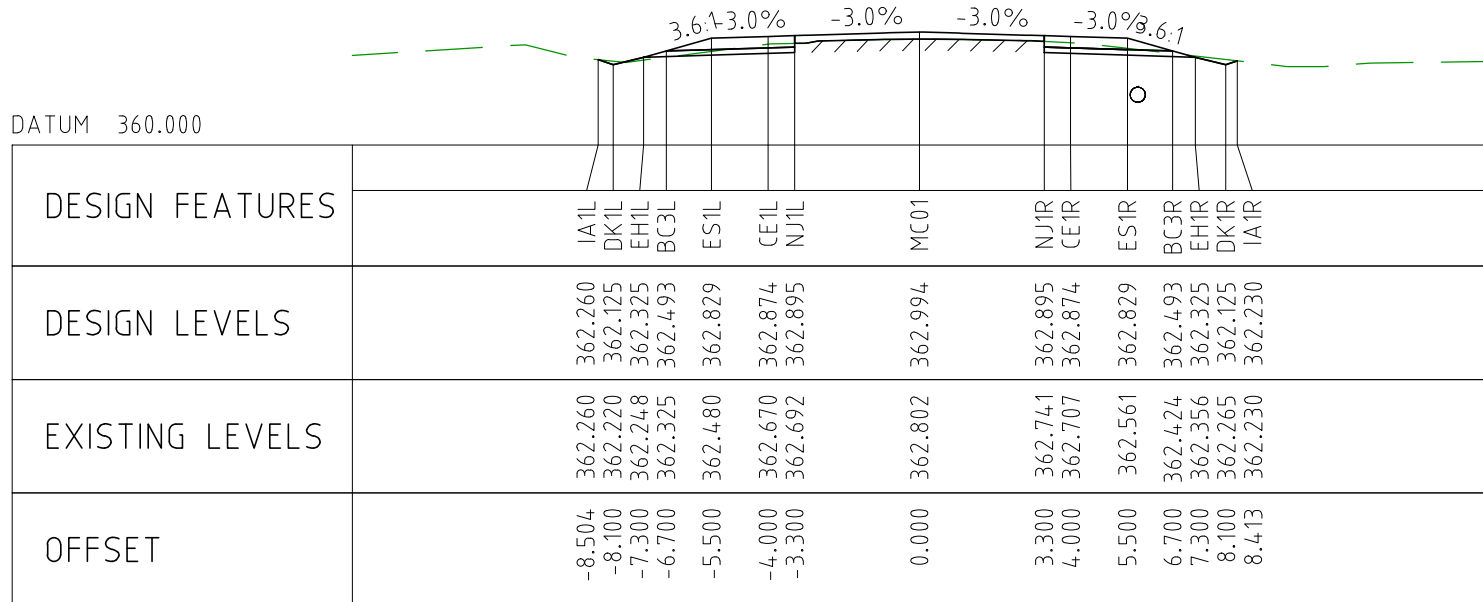
CHAINAGE 550



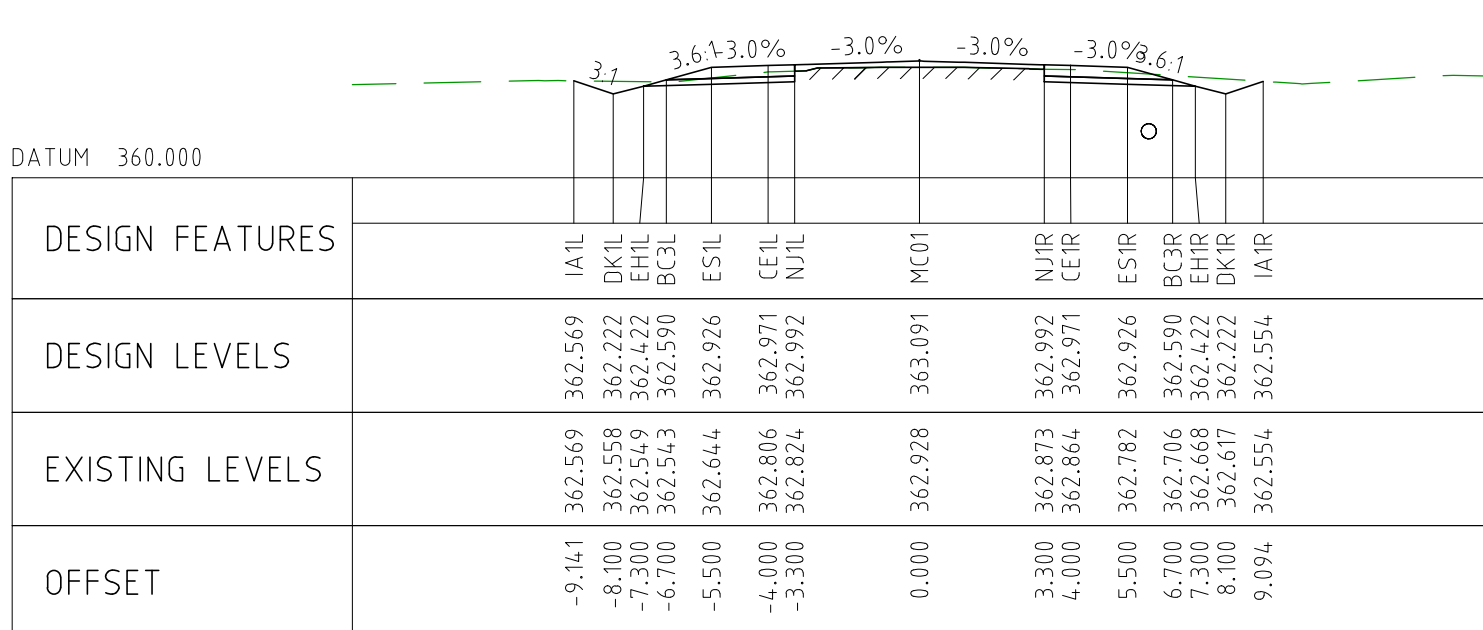
CHAINAGE 1000



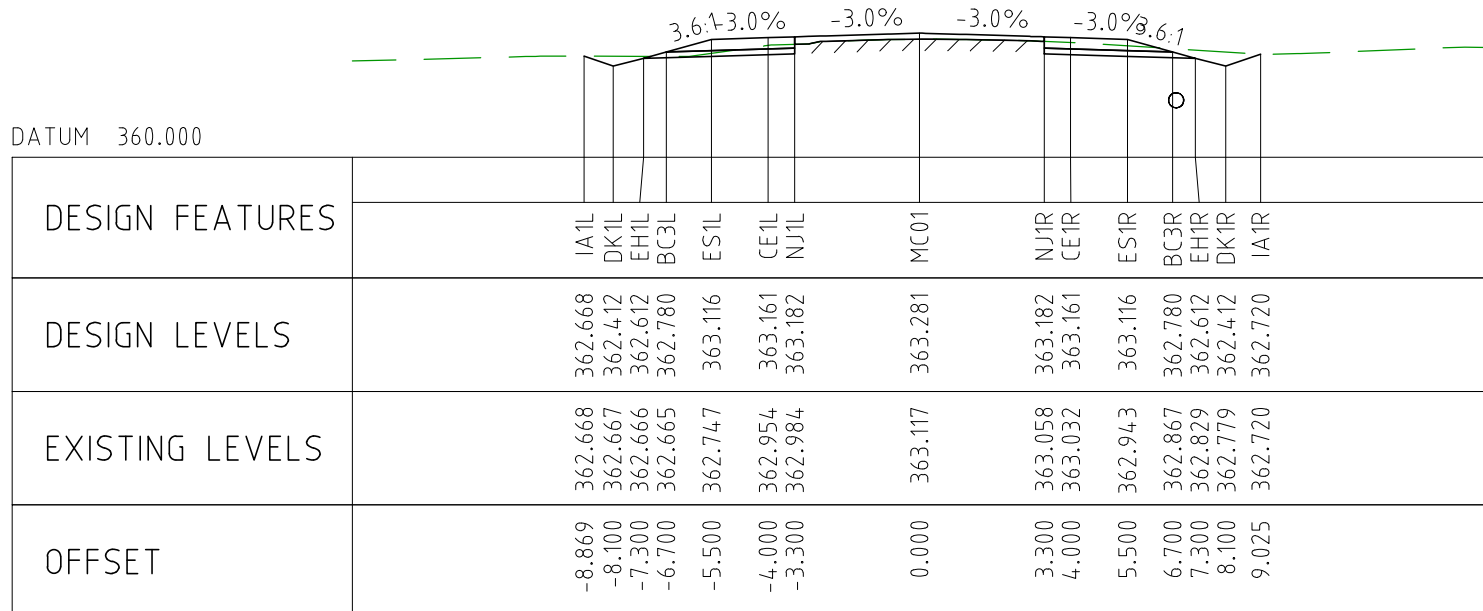
CHAINAGE 950



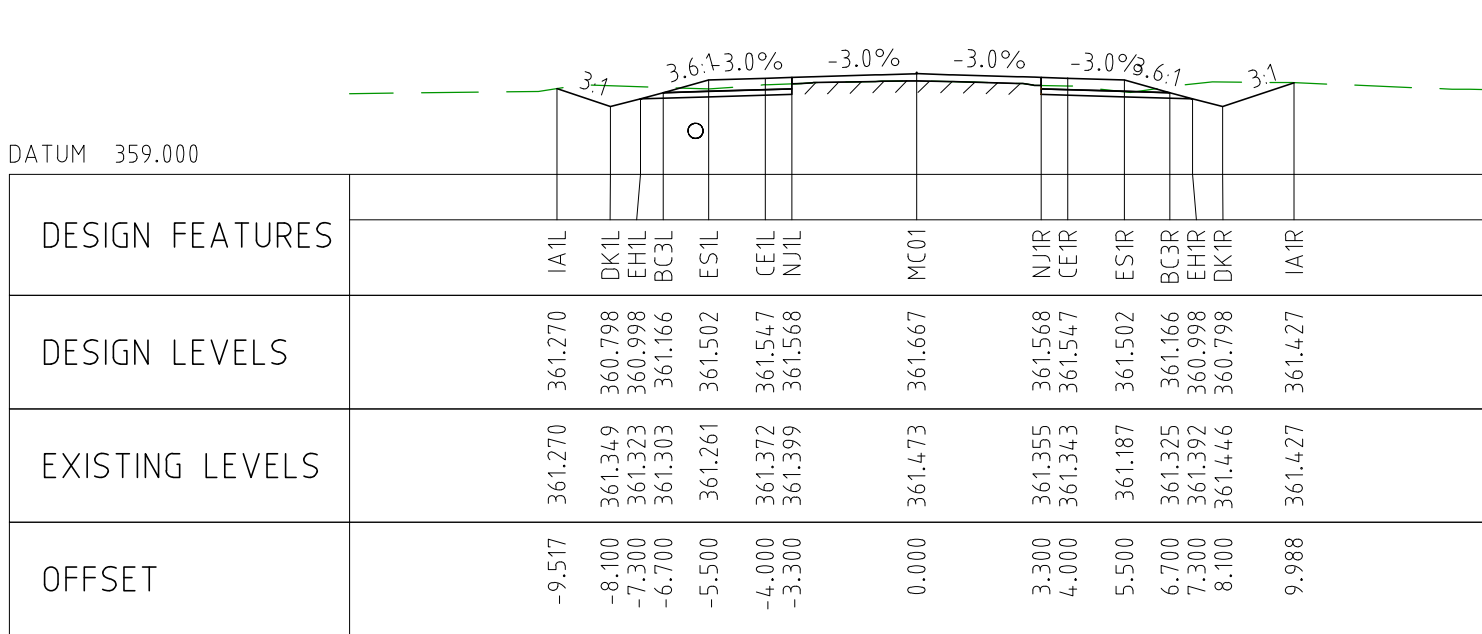
CHAINAGE 900



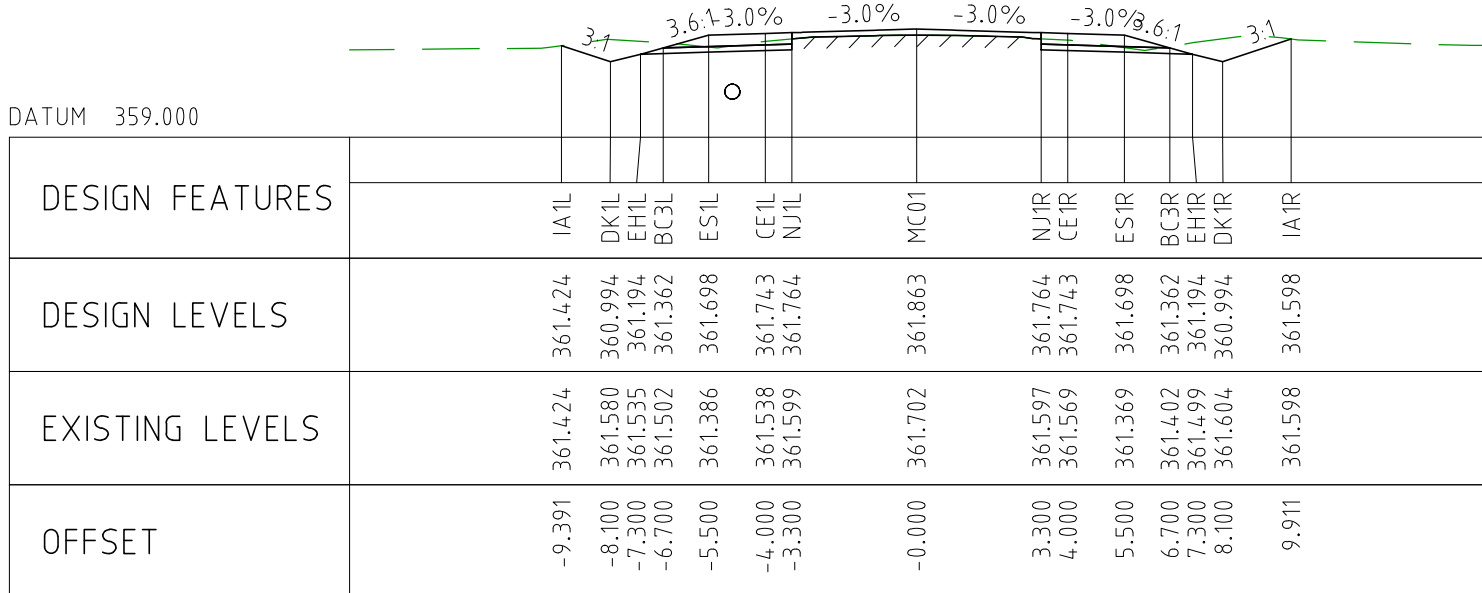
CHAINAGE 850



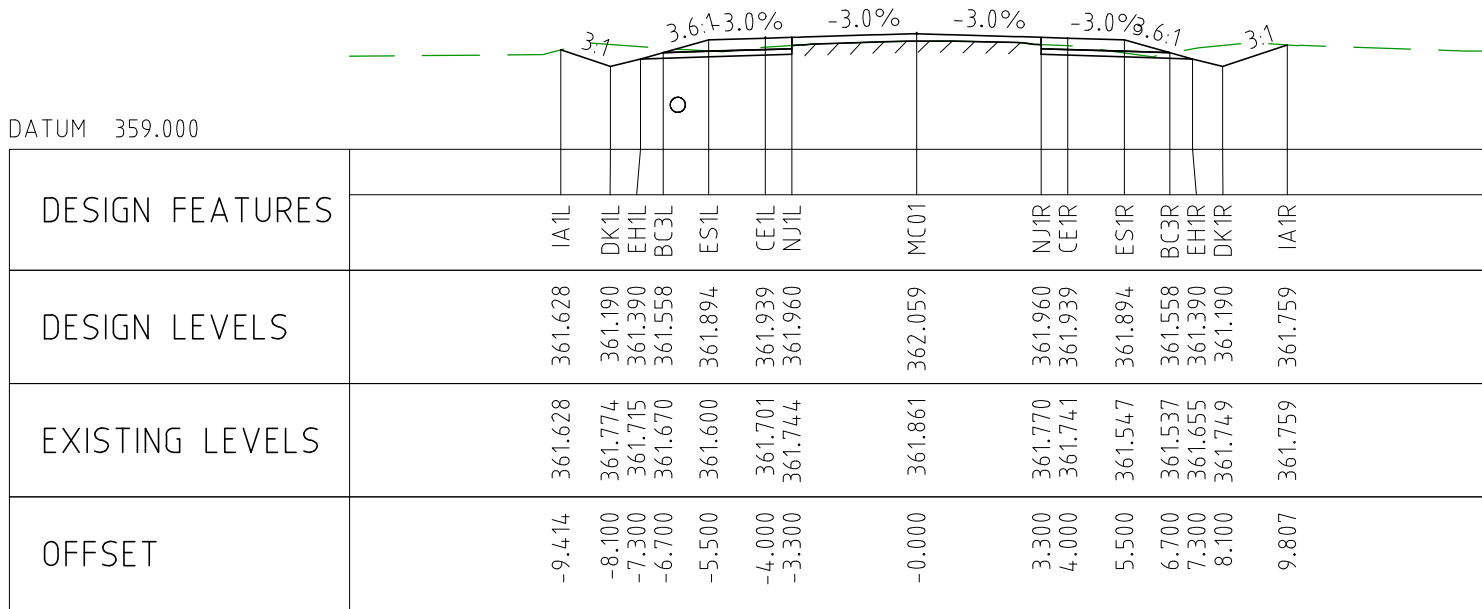
CHAINAGE 800



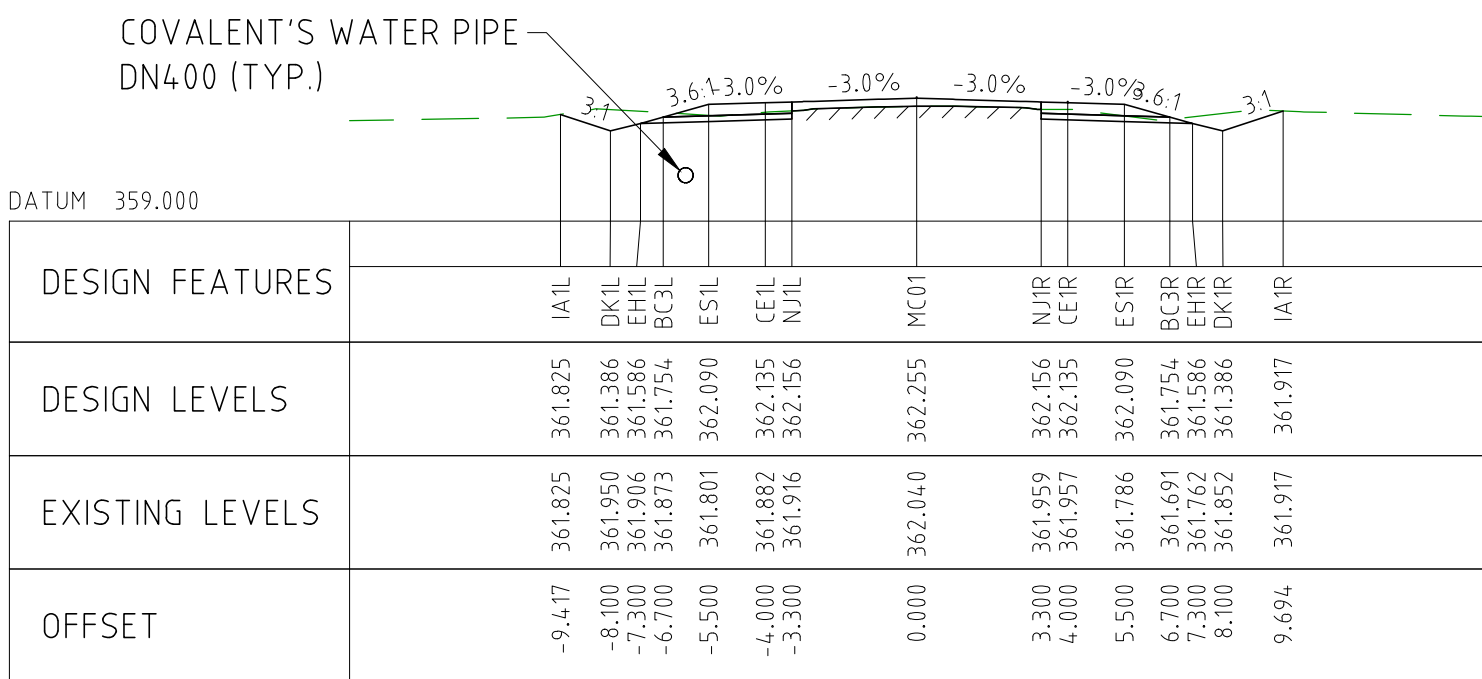
CHAINAGE 1250



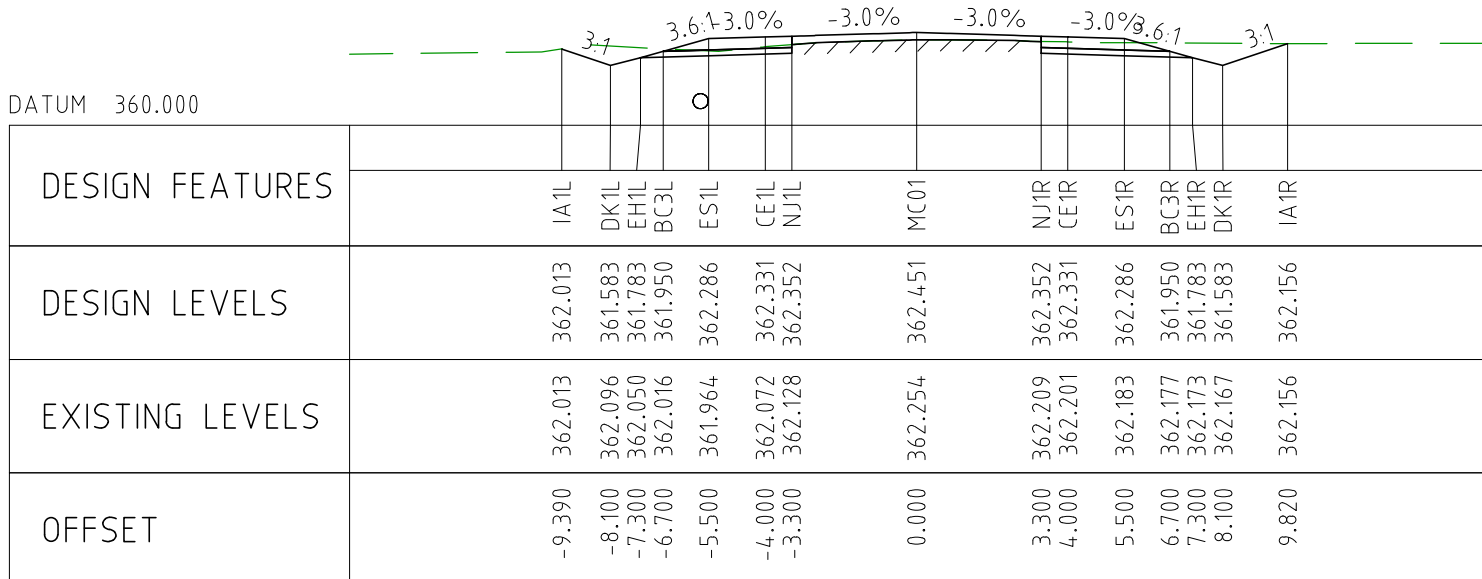
CHAINAGE 1200



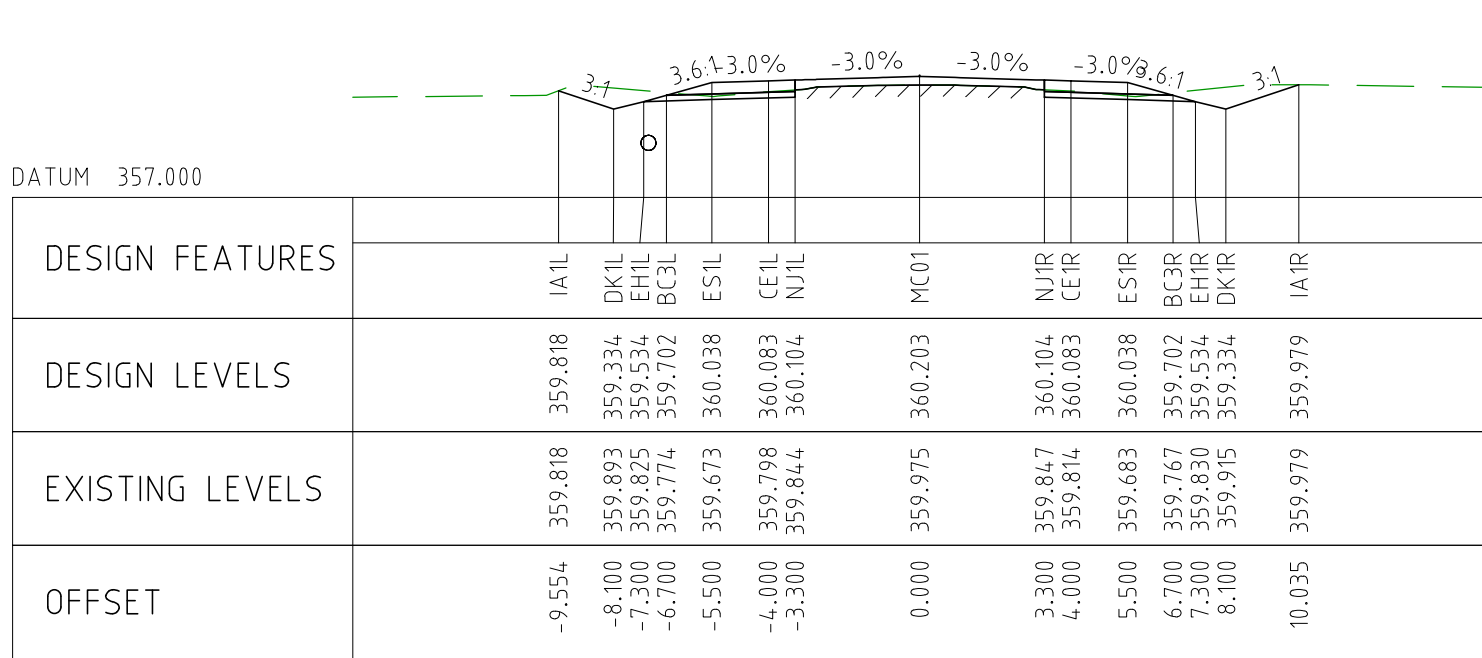
CHAINAGE 1150



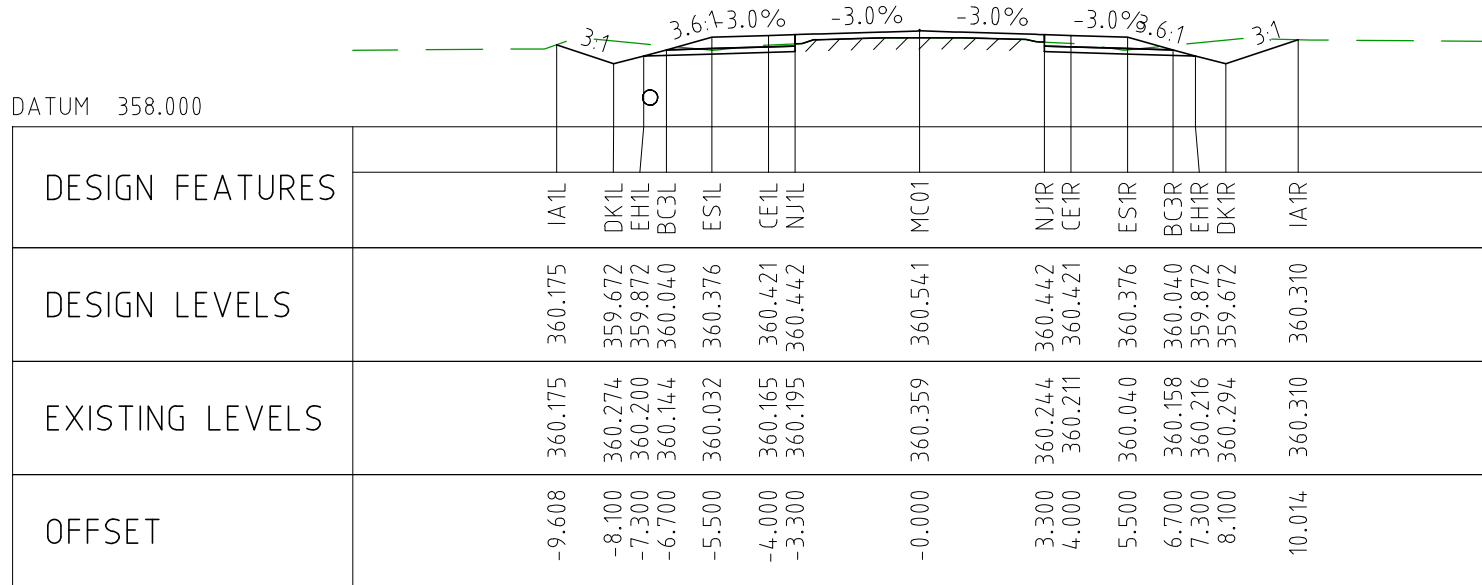
CHAINAGE 1100



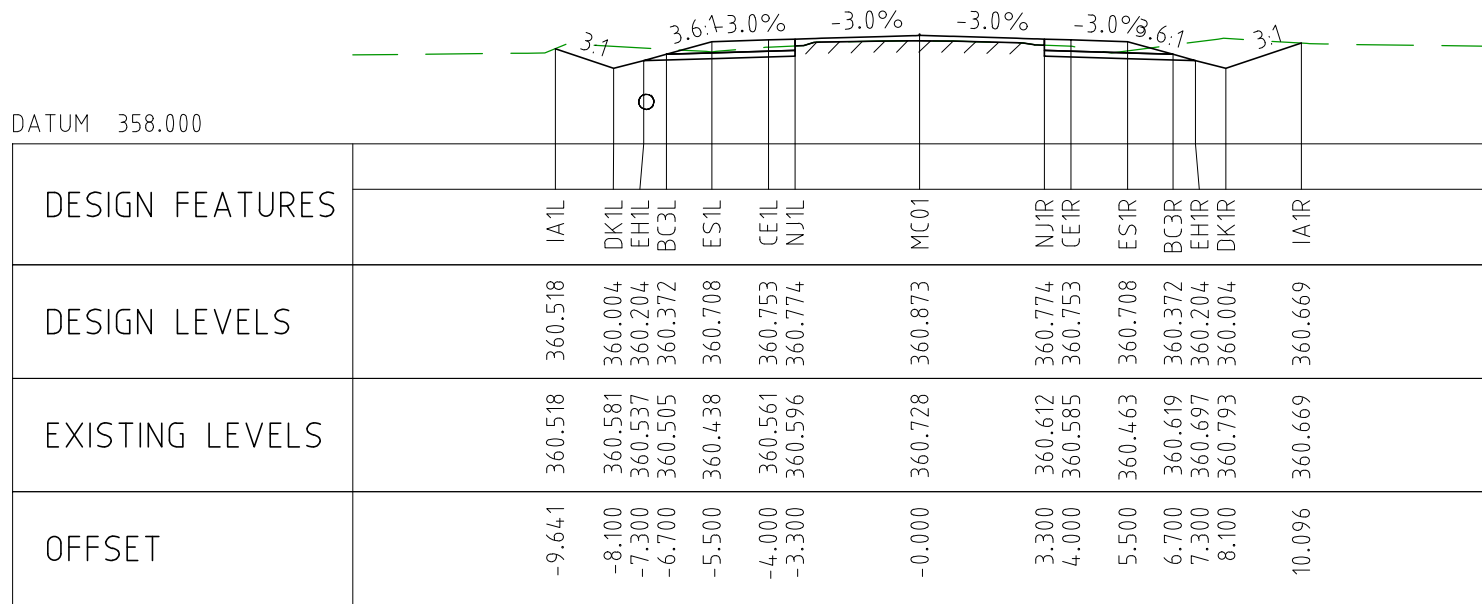
CHAINAGE 1050



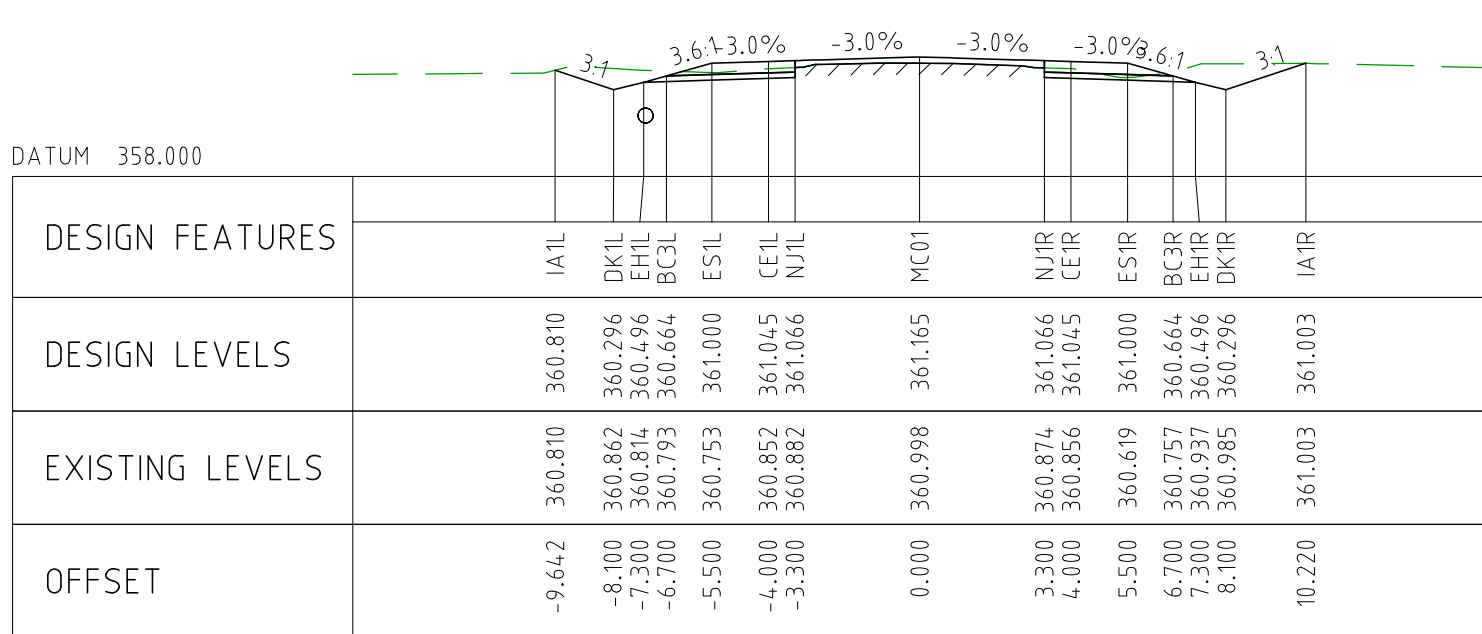
CHAINAGE 1500



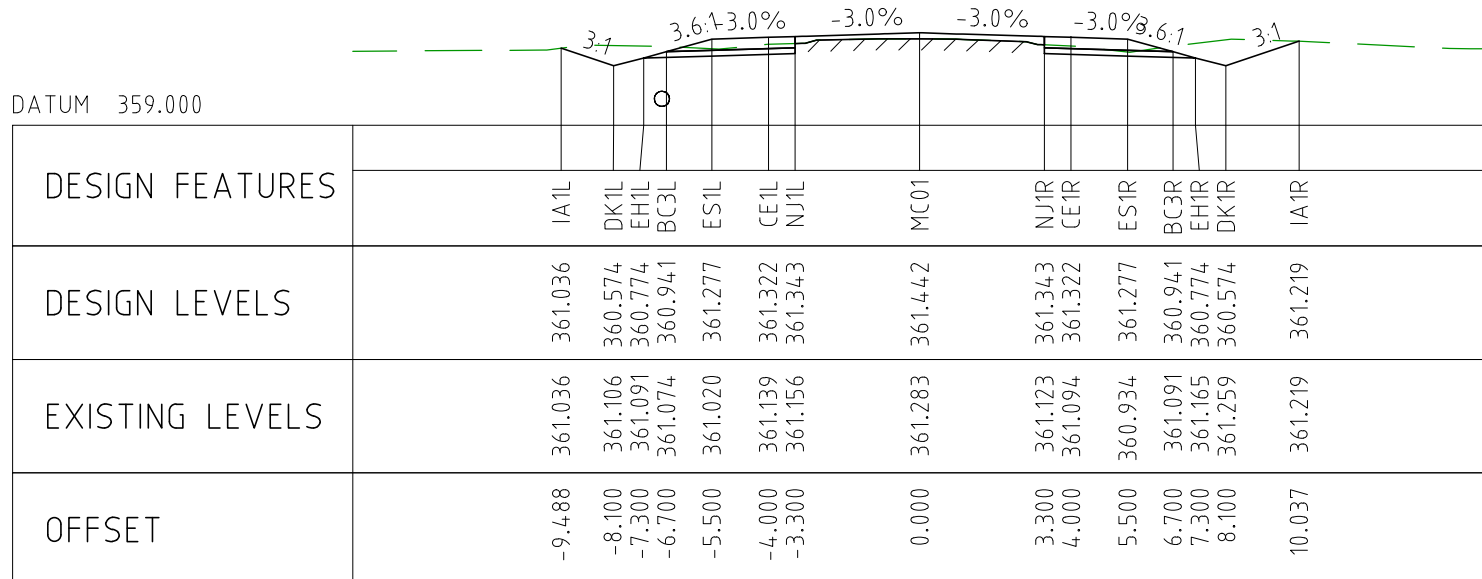
CHAINAGE 1450



CHAINAGE 1400






CHAINAGE 1350

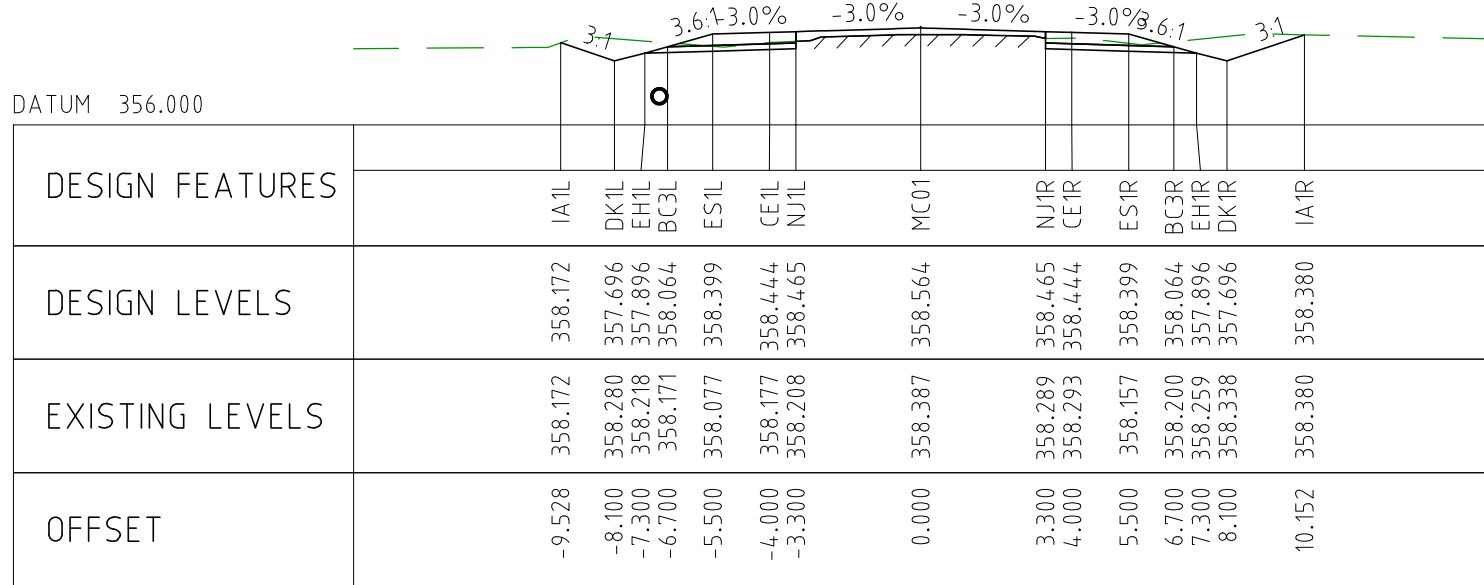


CHAINAGE 1300

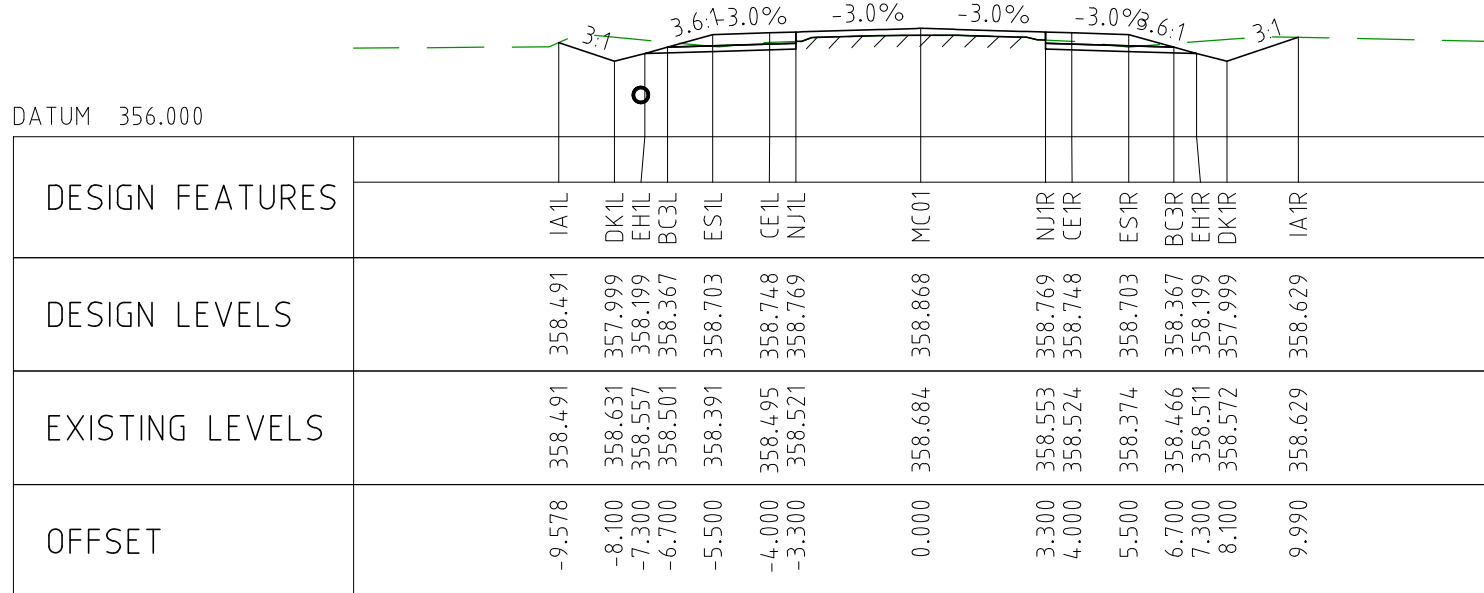
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

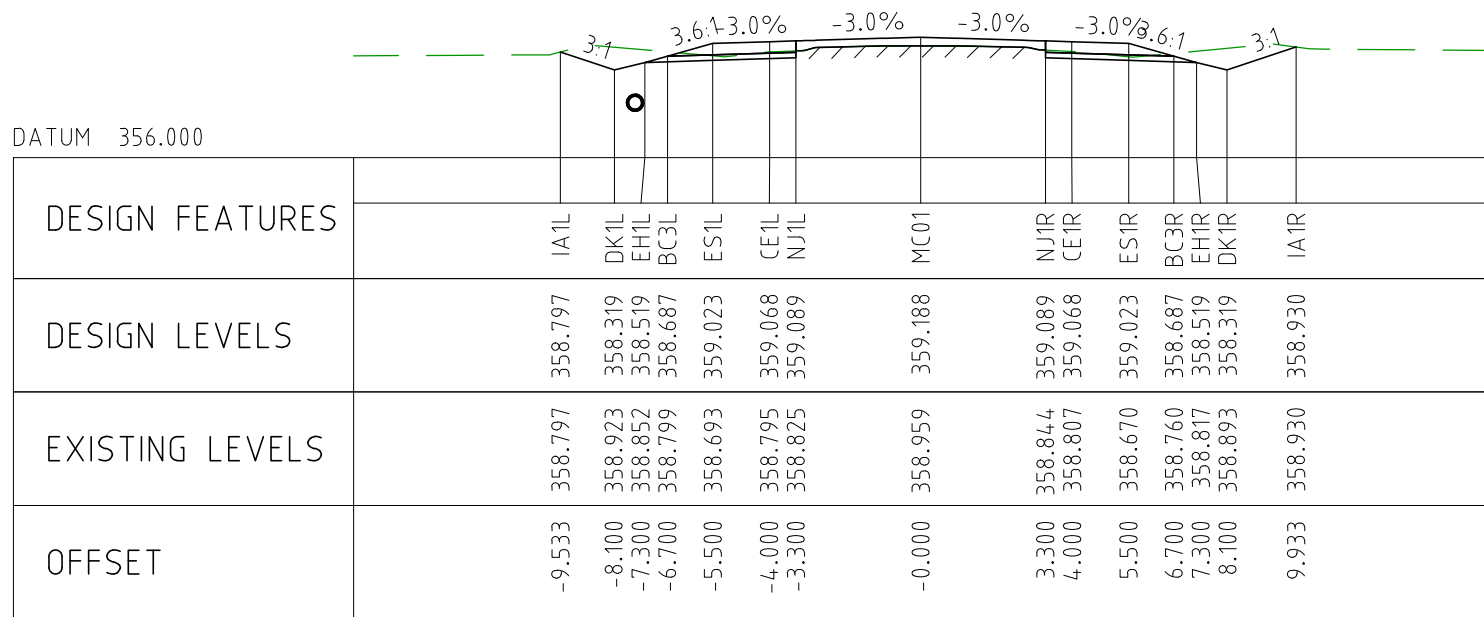
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS02.dwg						PLOT DATE 04 Nov 2022		TIME 11:50:45		CLIENT DOCUMENT No COV-M040-CI-DWG-0114					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	TITLE DRAFTER JW	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 2 OF 41				
							TITLE DRAFTING CHECK TM					SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS02	REVISION 0
							TITLE DESIGNER TM								
							TITLE DESIGN CHECK TM								
							TITLE PROJECT MANAGER DM								
							TITLE PROJECT DIRECTOR RI								



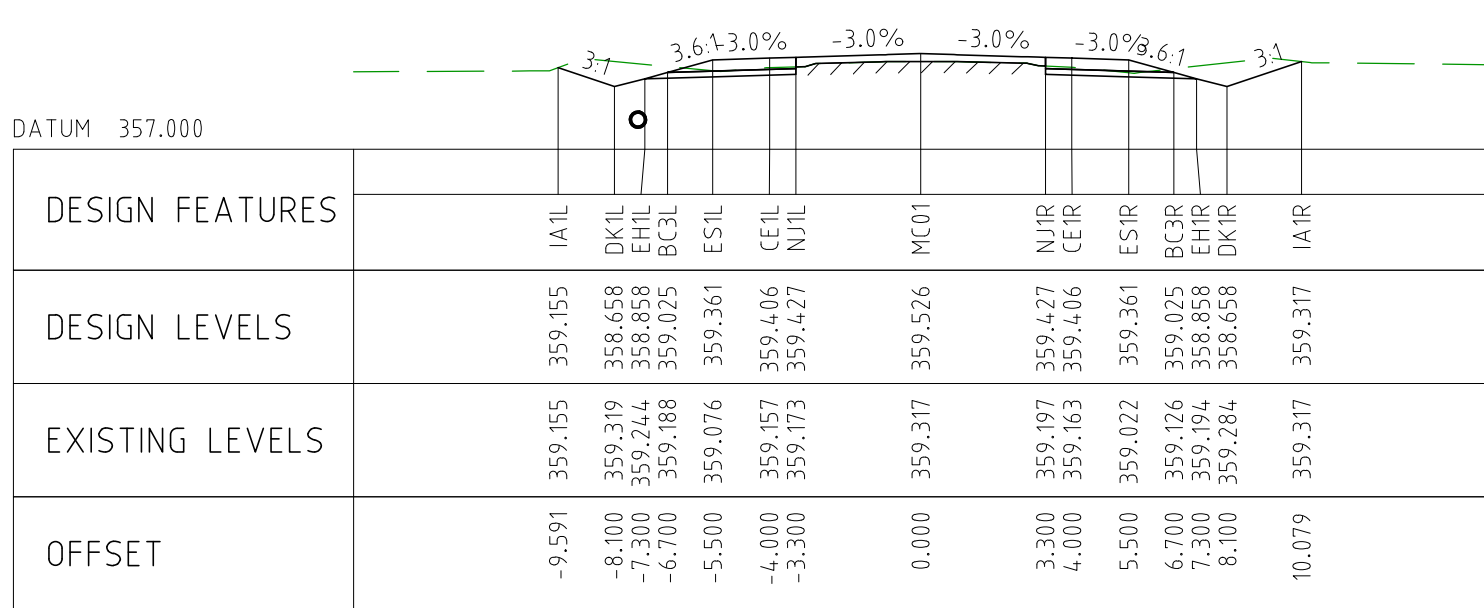
CHAINAGE 1750



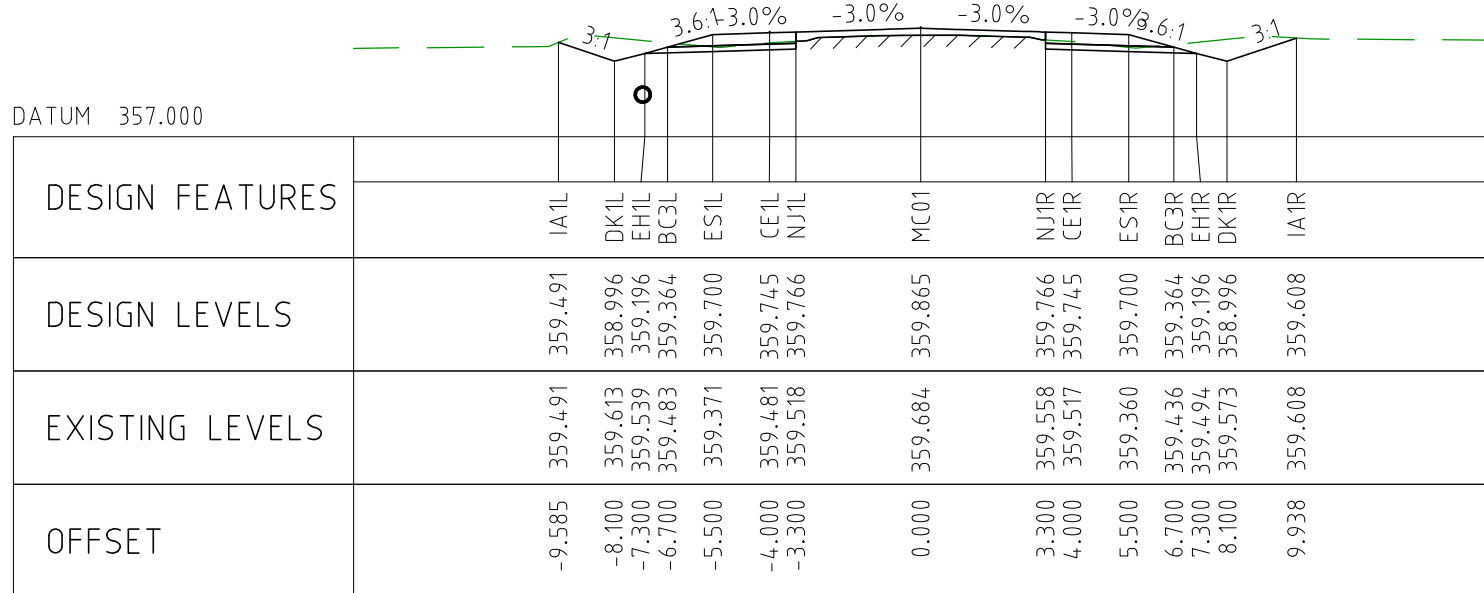
CHAINAGE 1700



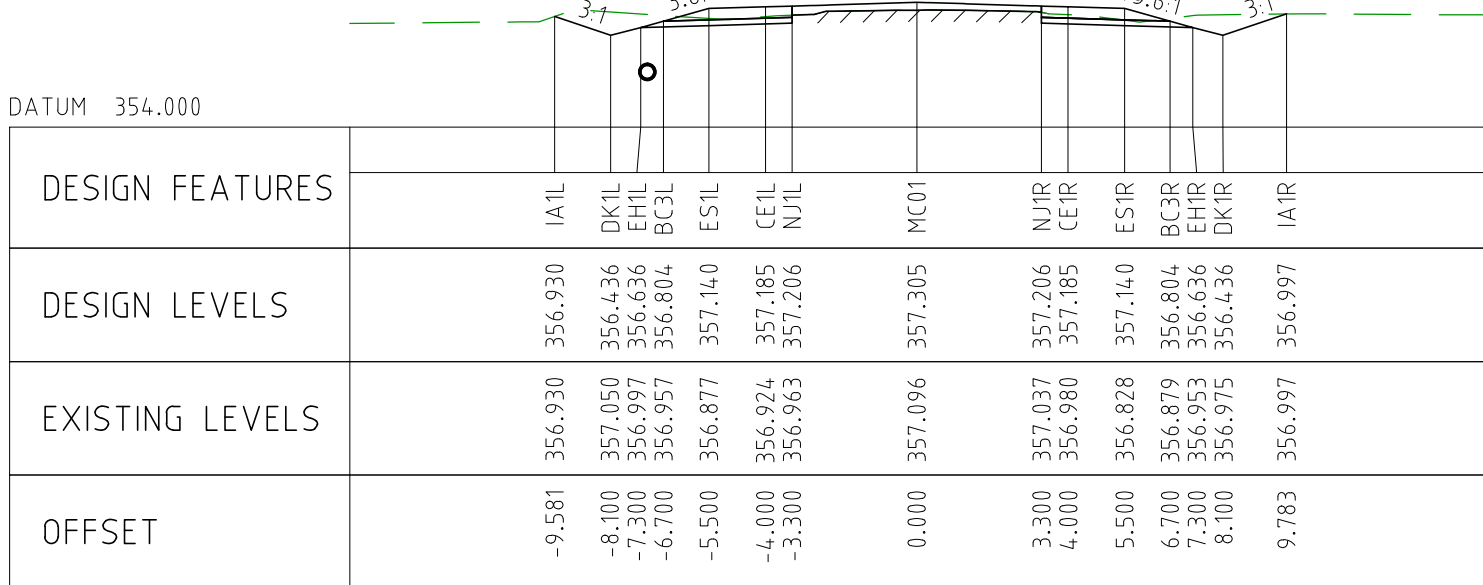
CHAINAGE 1650



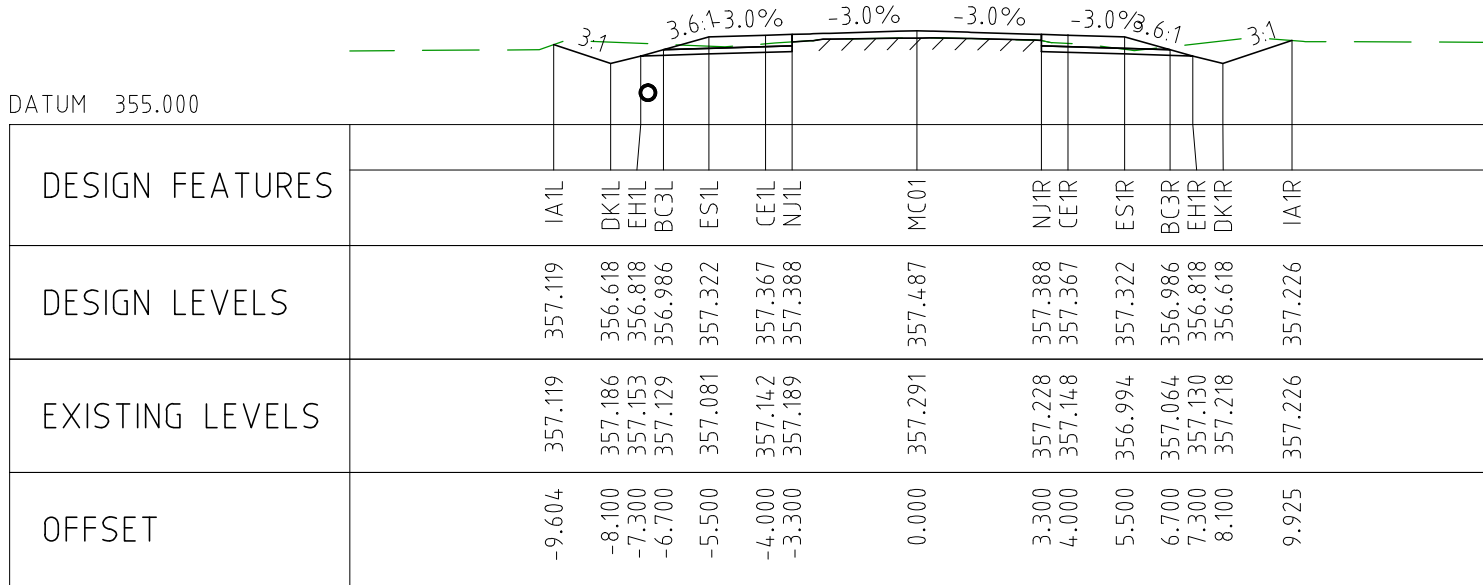
CHAINAGE 1600



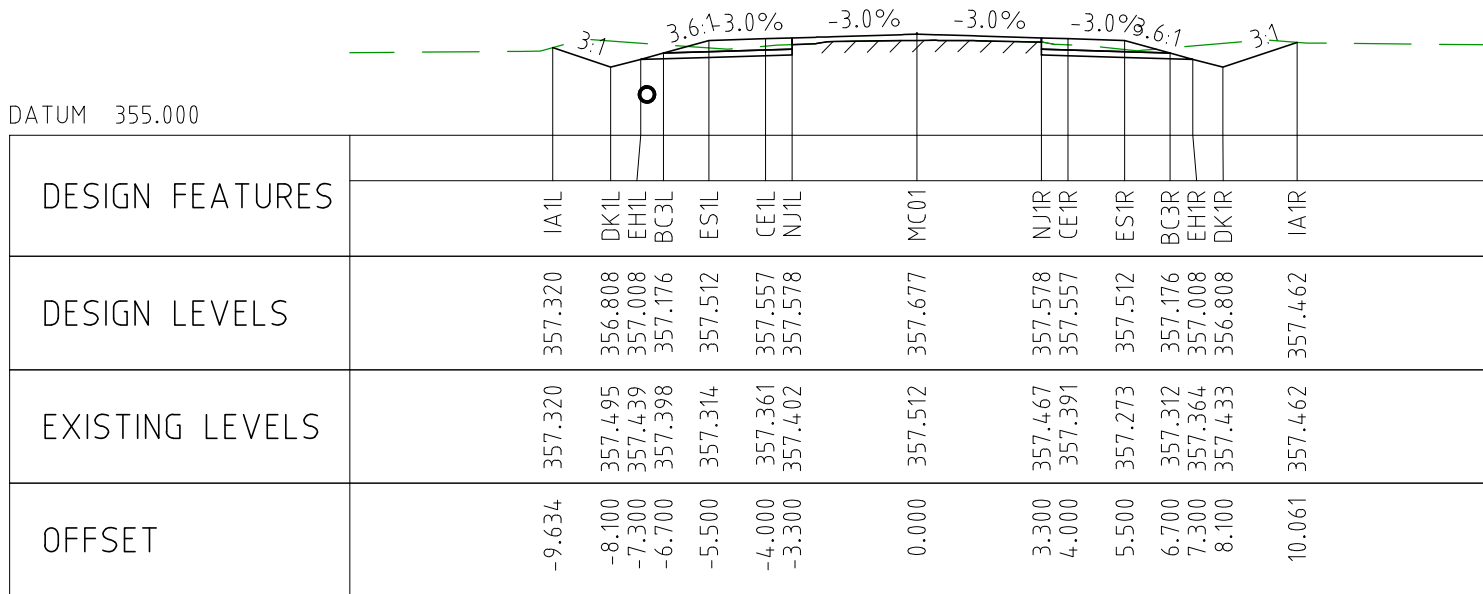
CHAINAGE 1550



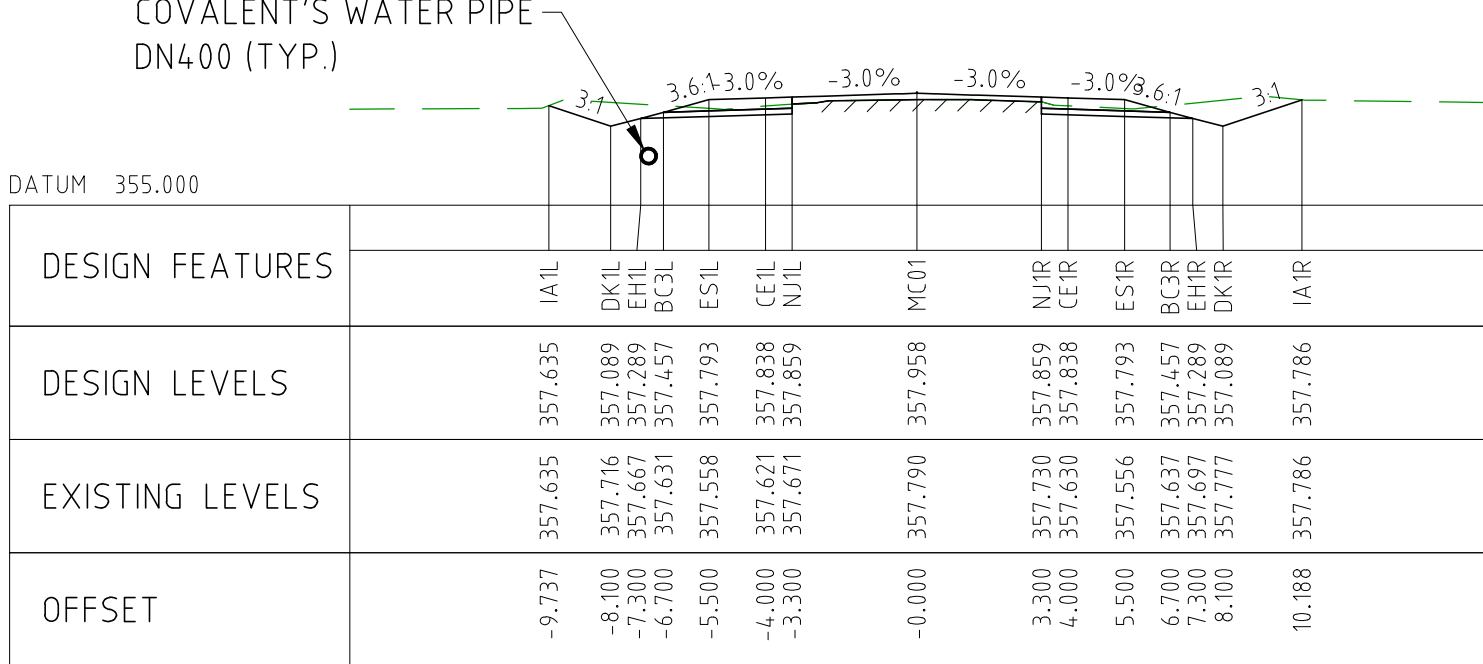
CHAINAGE 2000



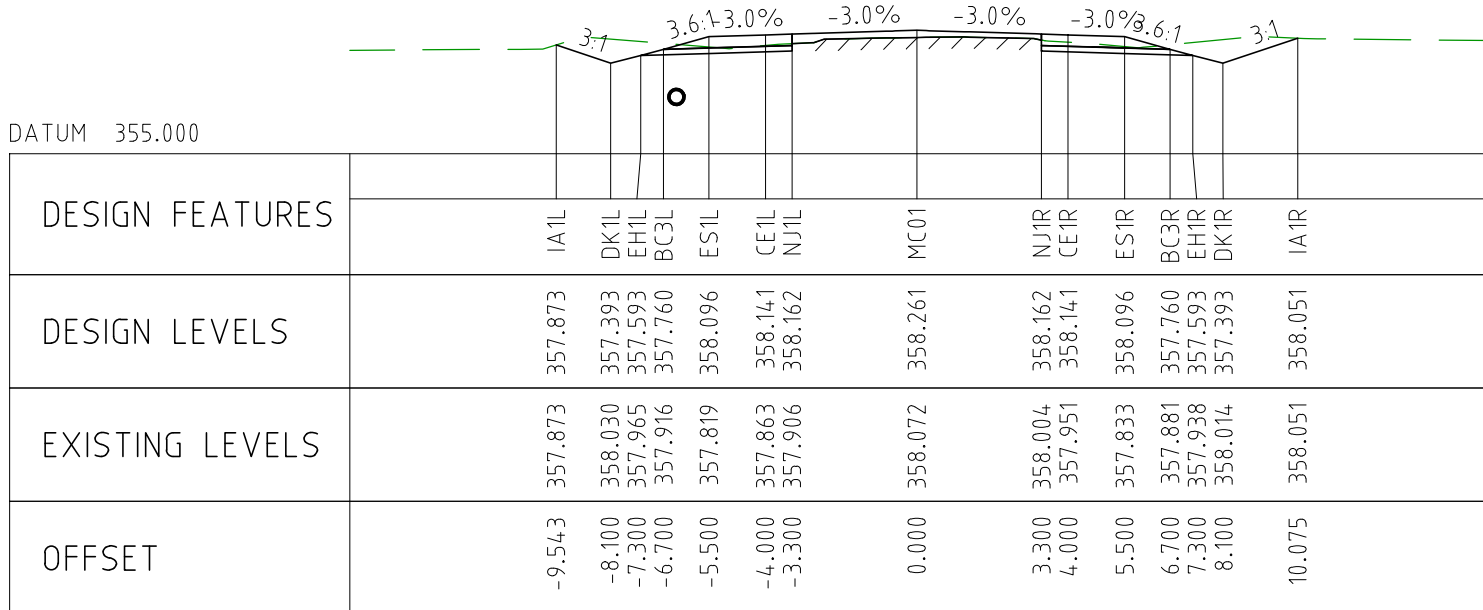
CHAINAGE 1950



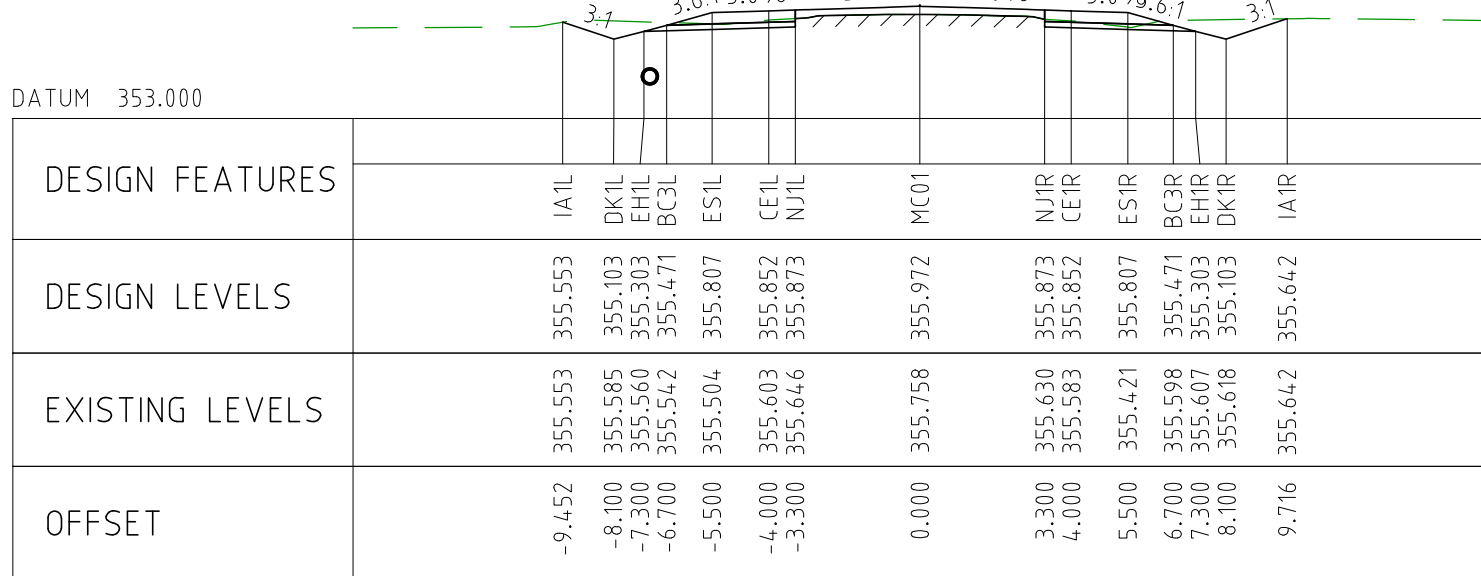
CHAINAGE 1900



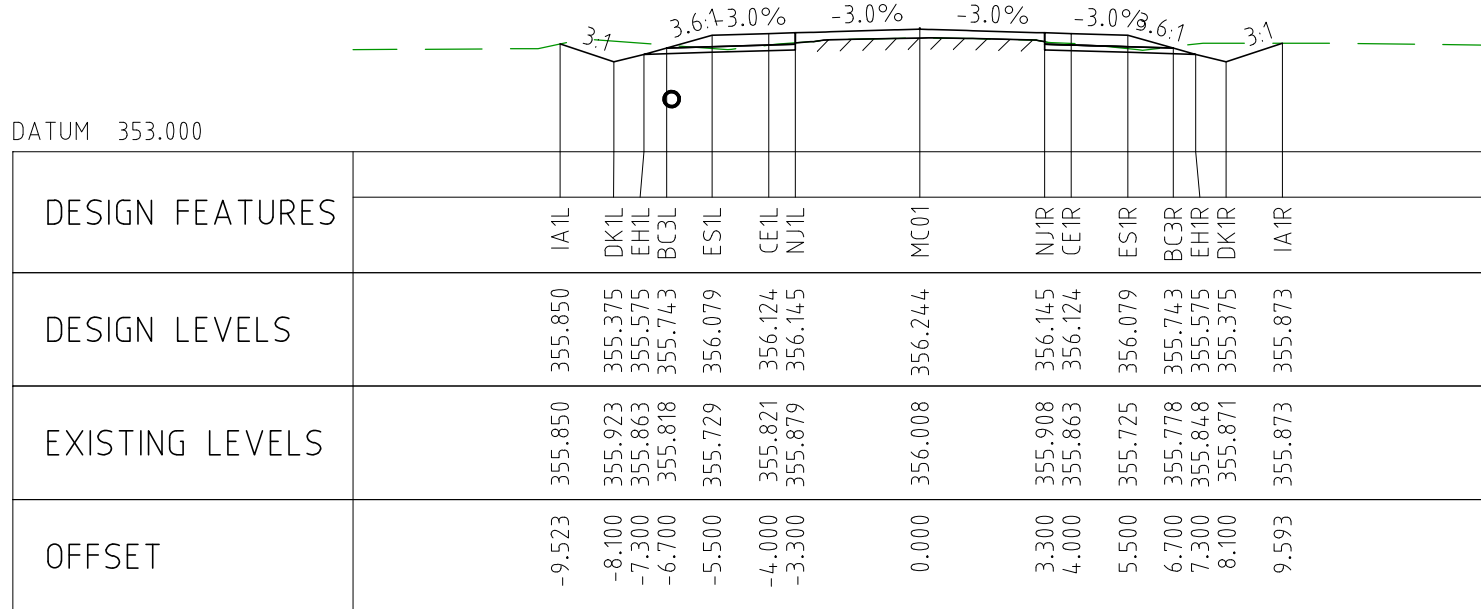
CHAINAGE 1850



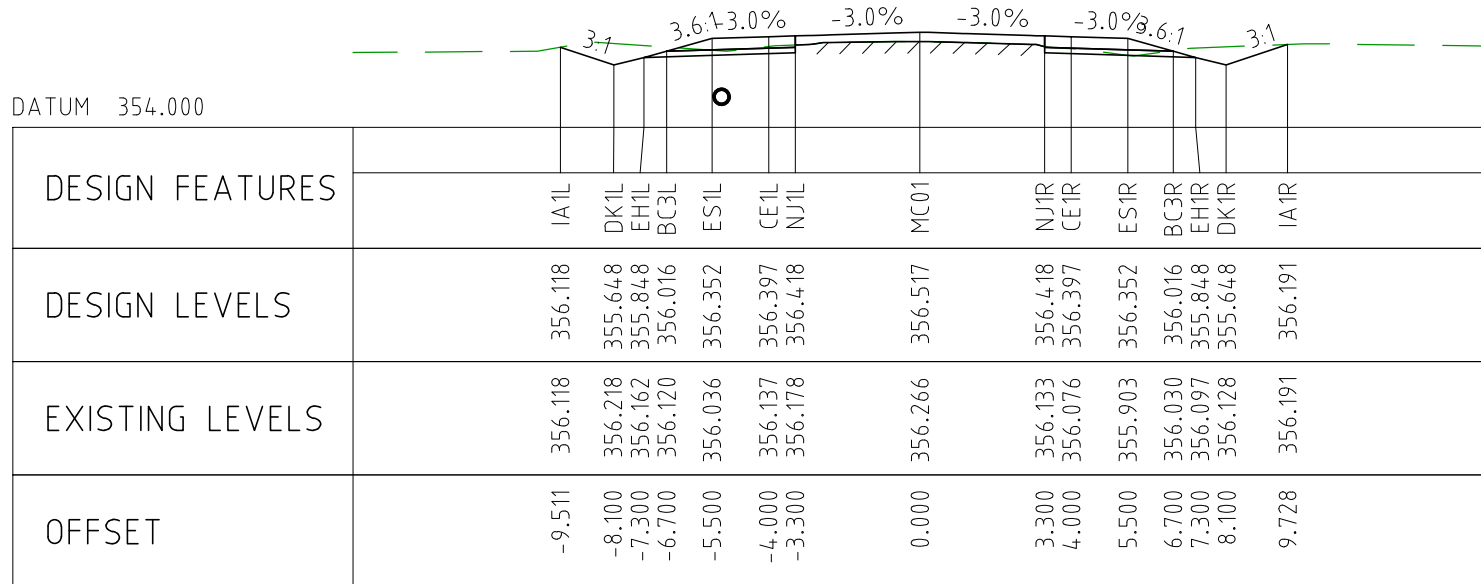
CHAINAGE 1800



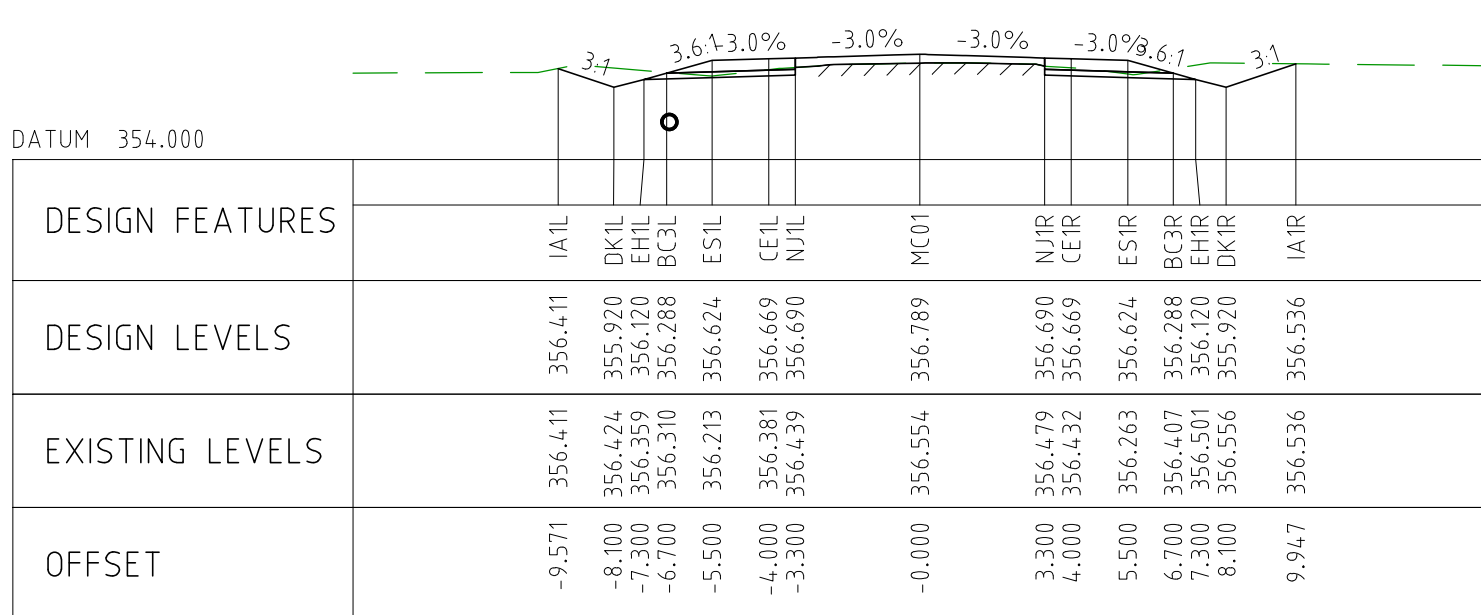
CHAINAGE 2250



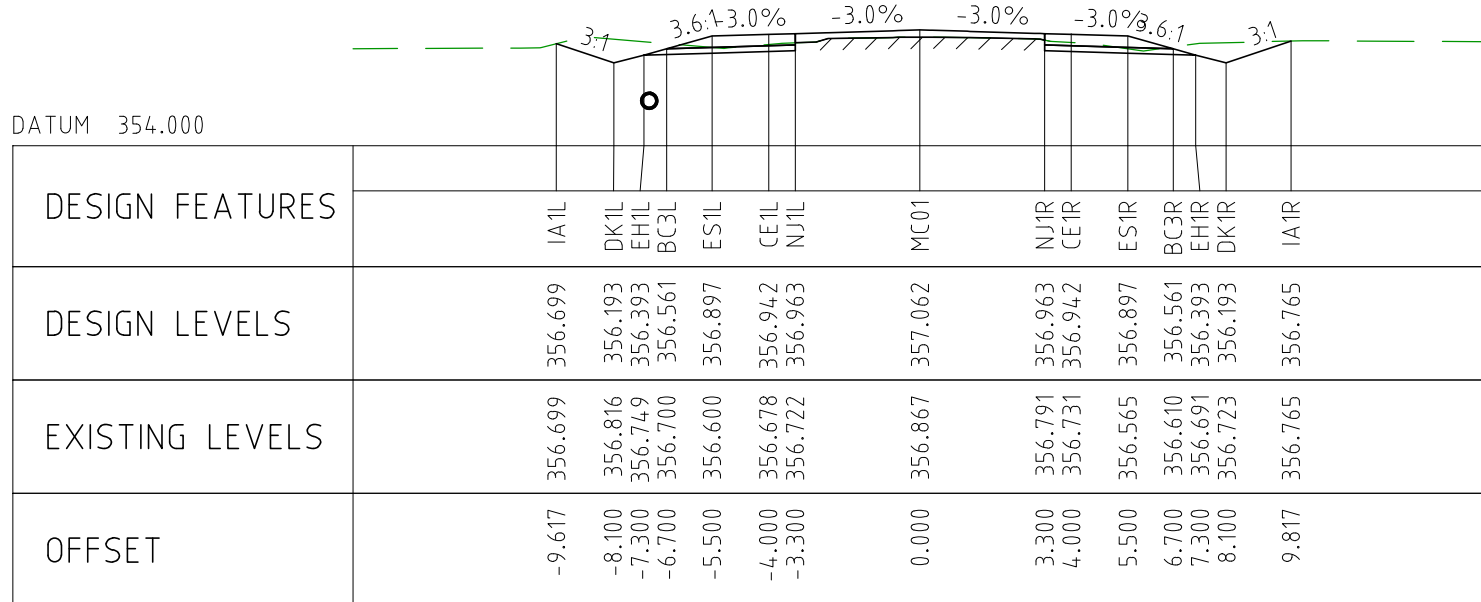
CHAINAGE 2200



CHAINAGE 2150






CHAINAGE 2100

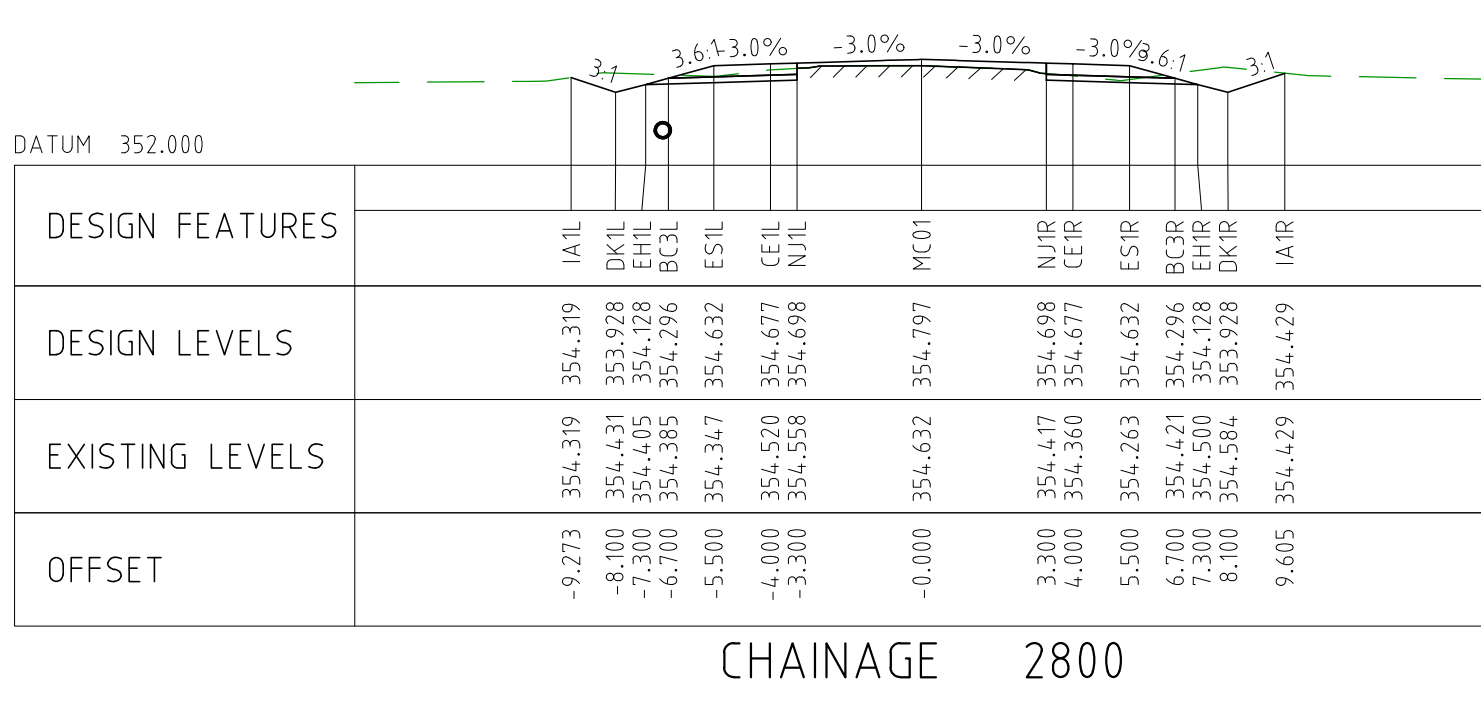
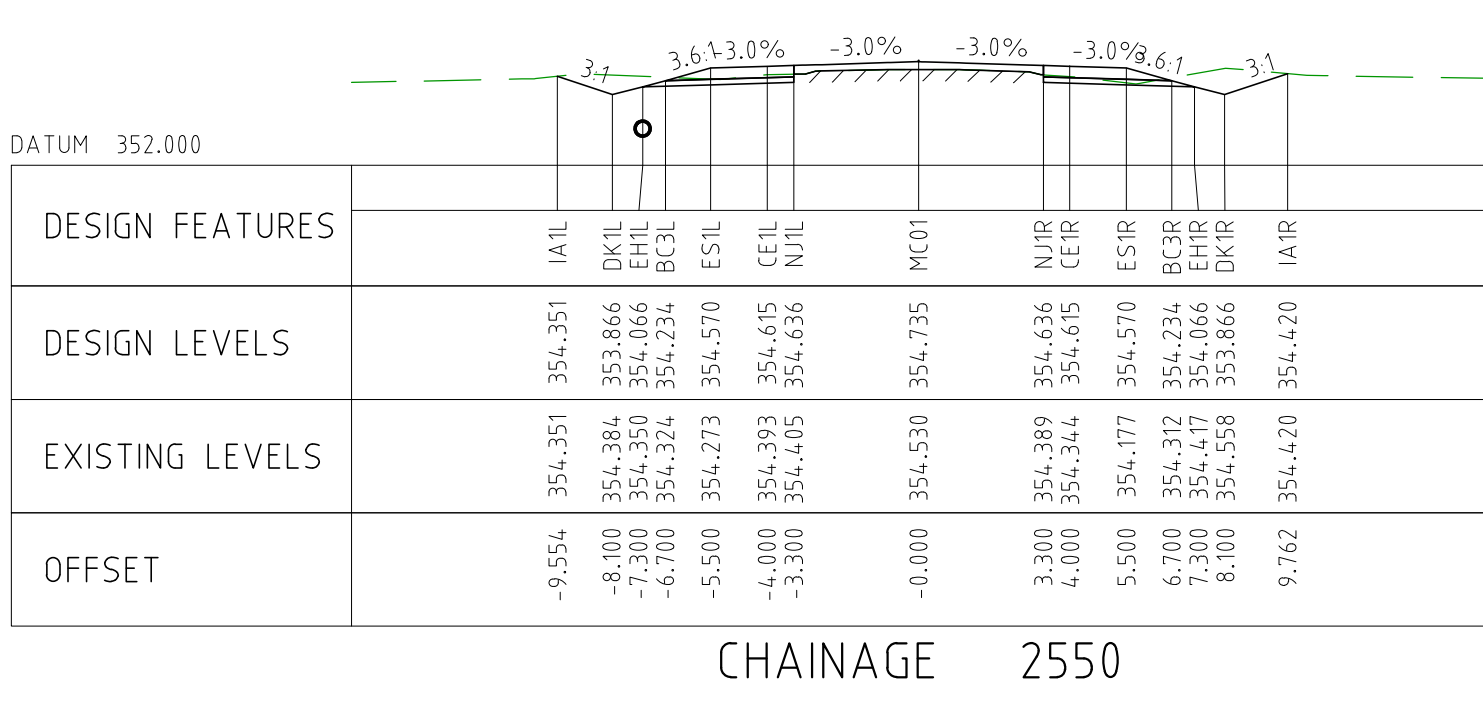
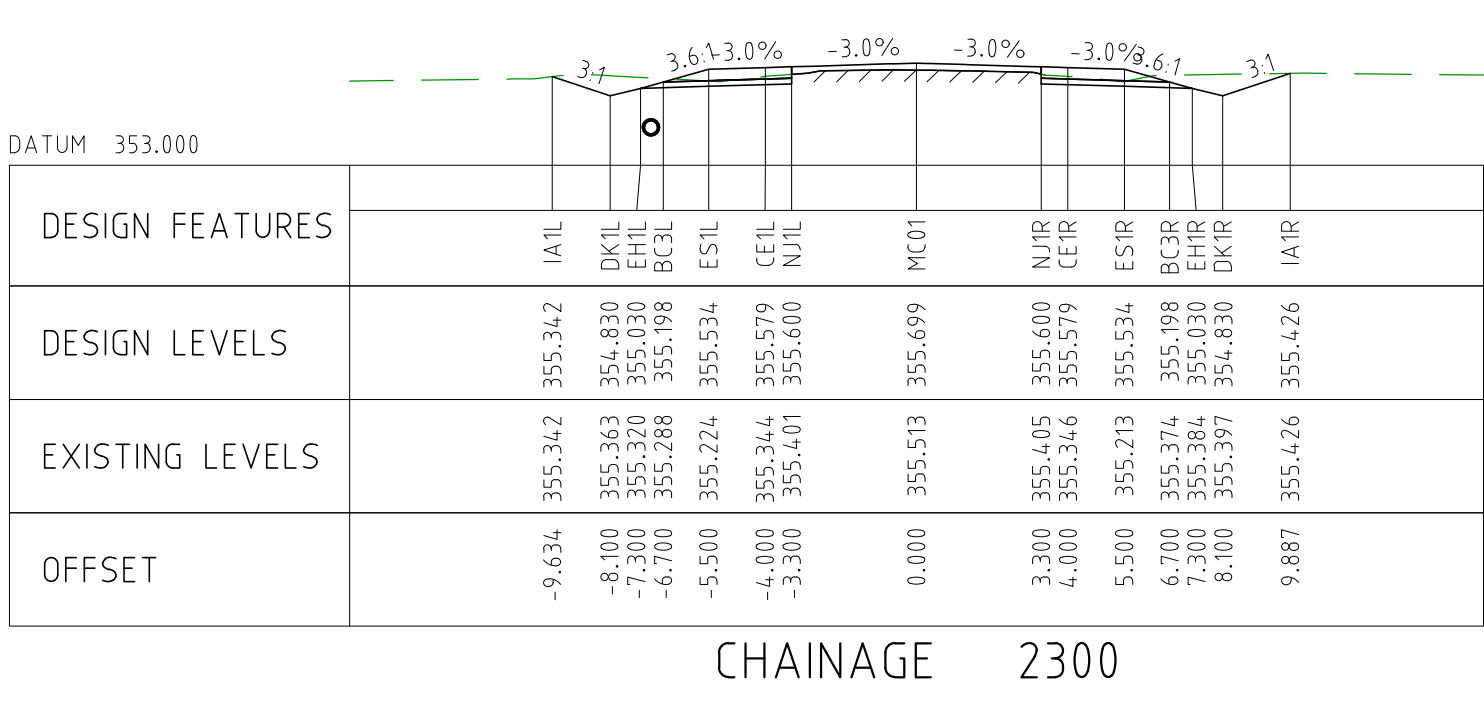
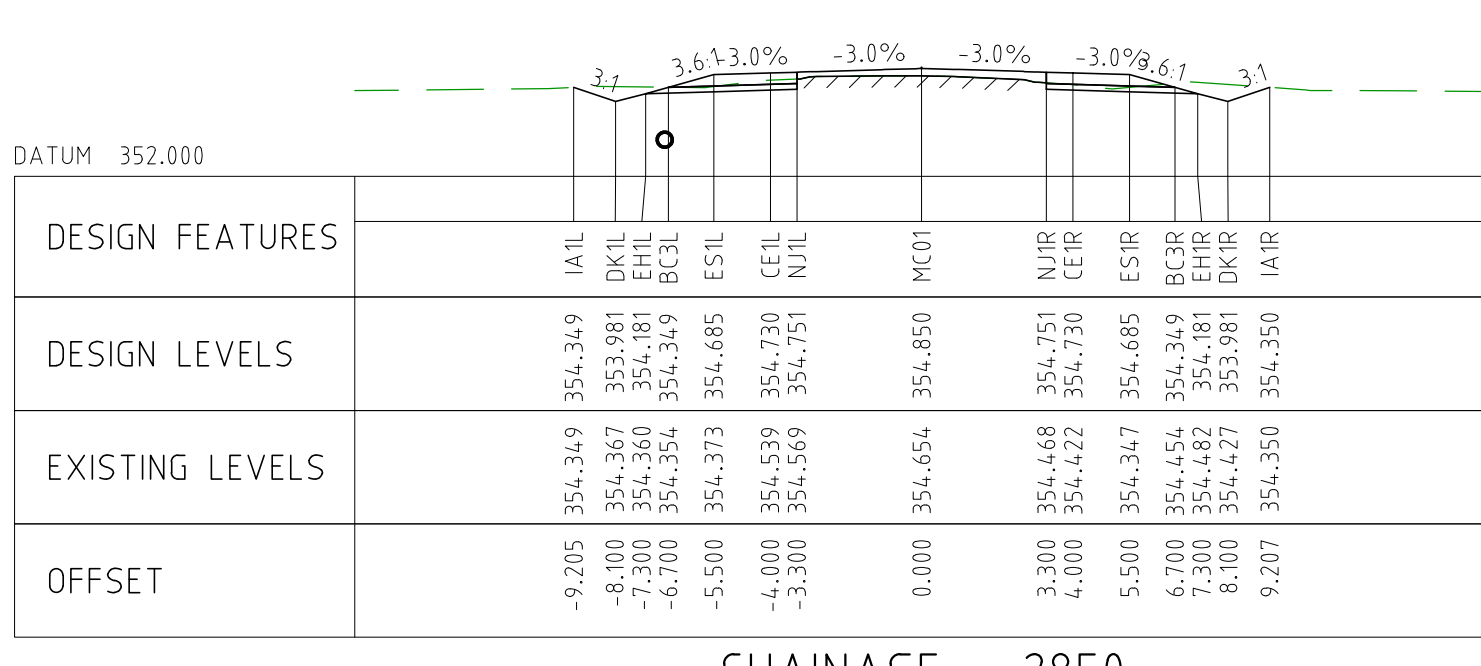
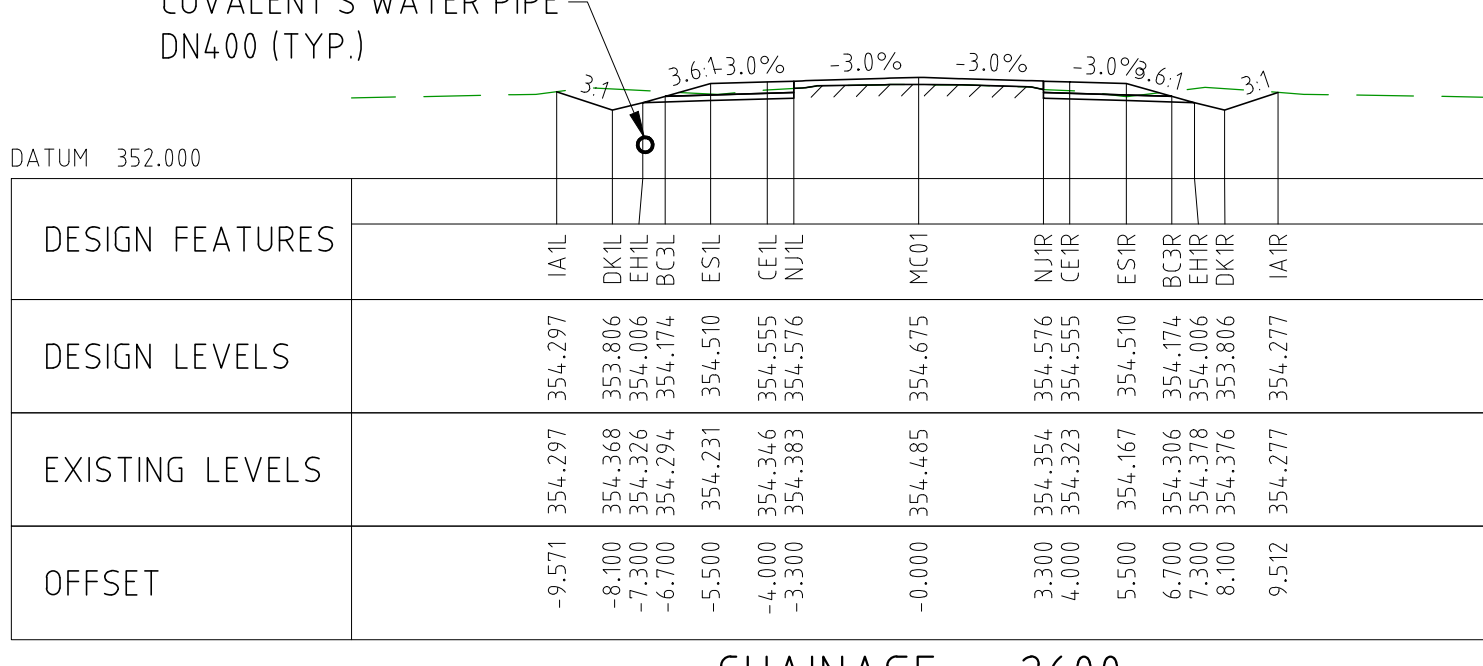
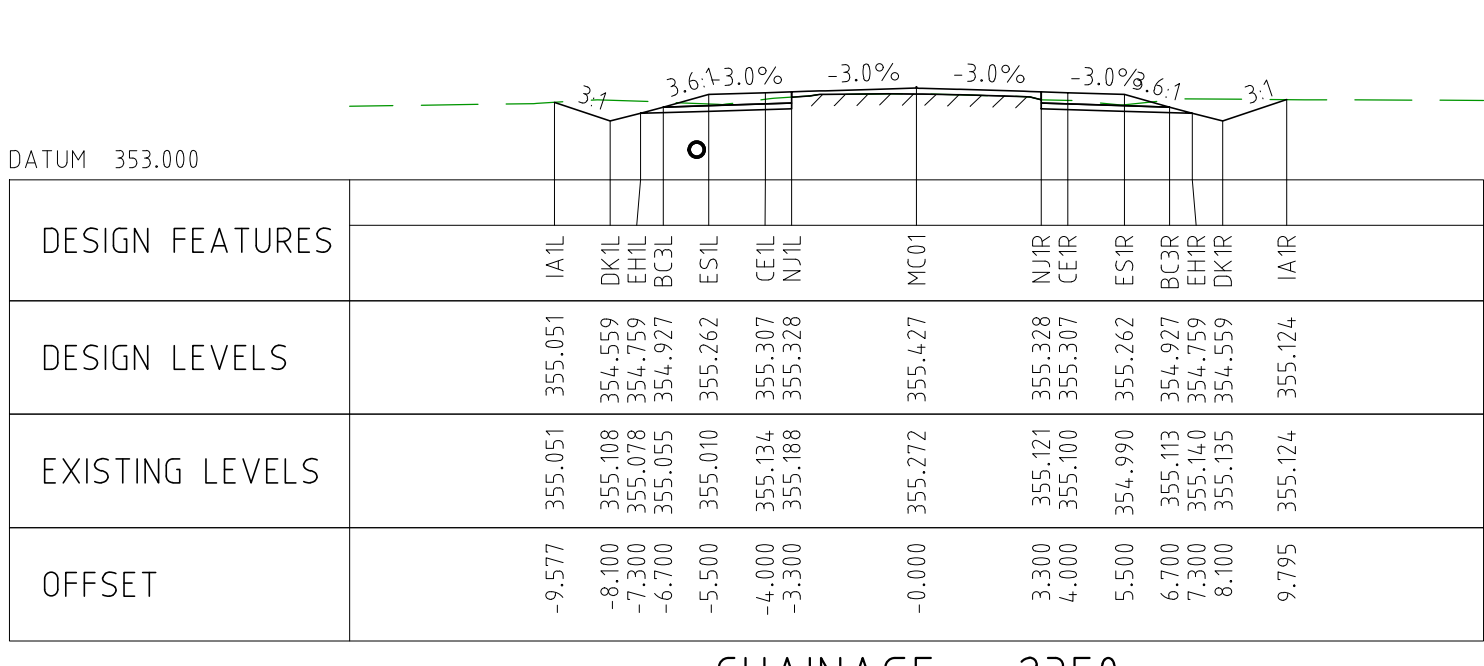
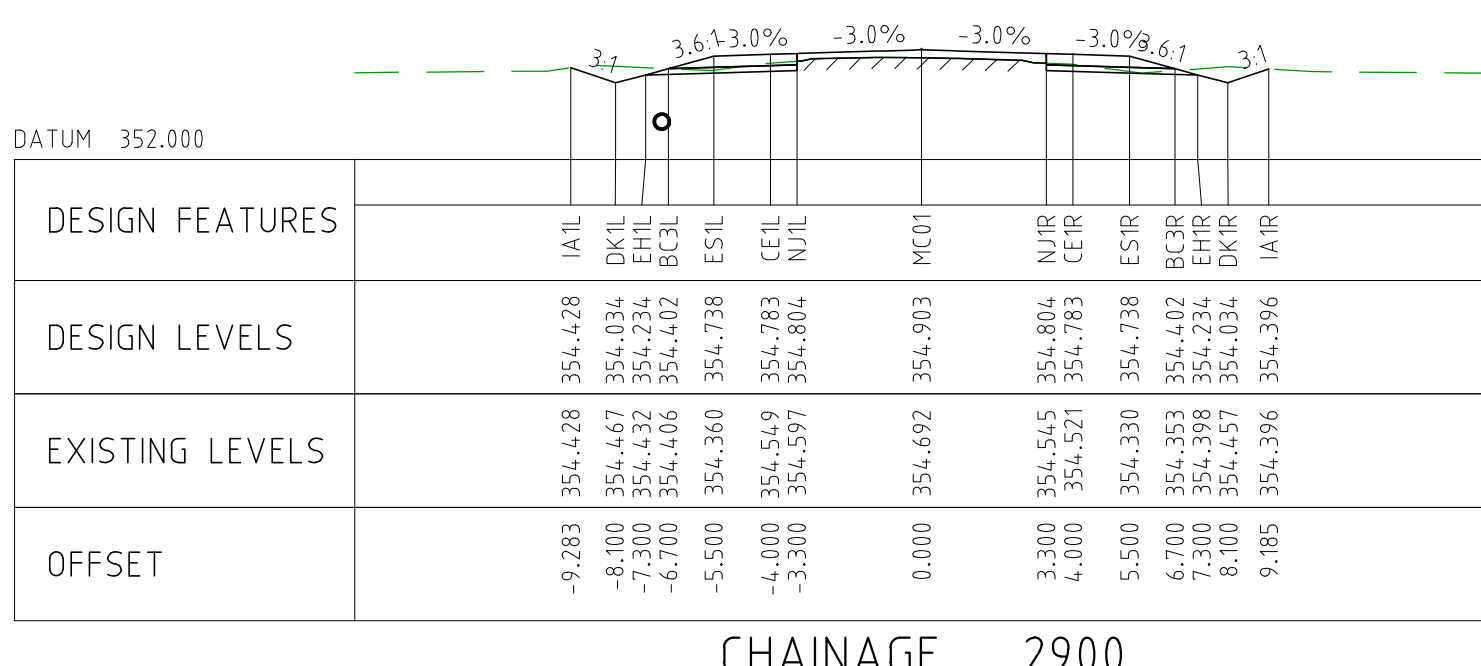
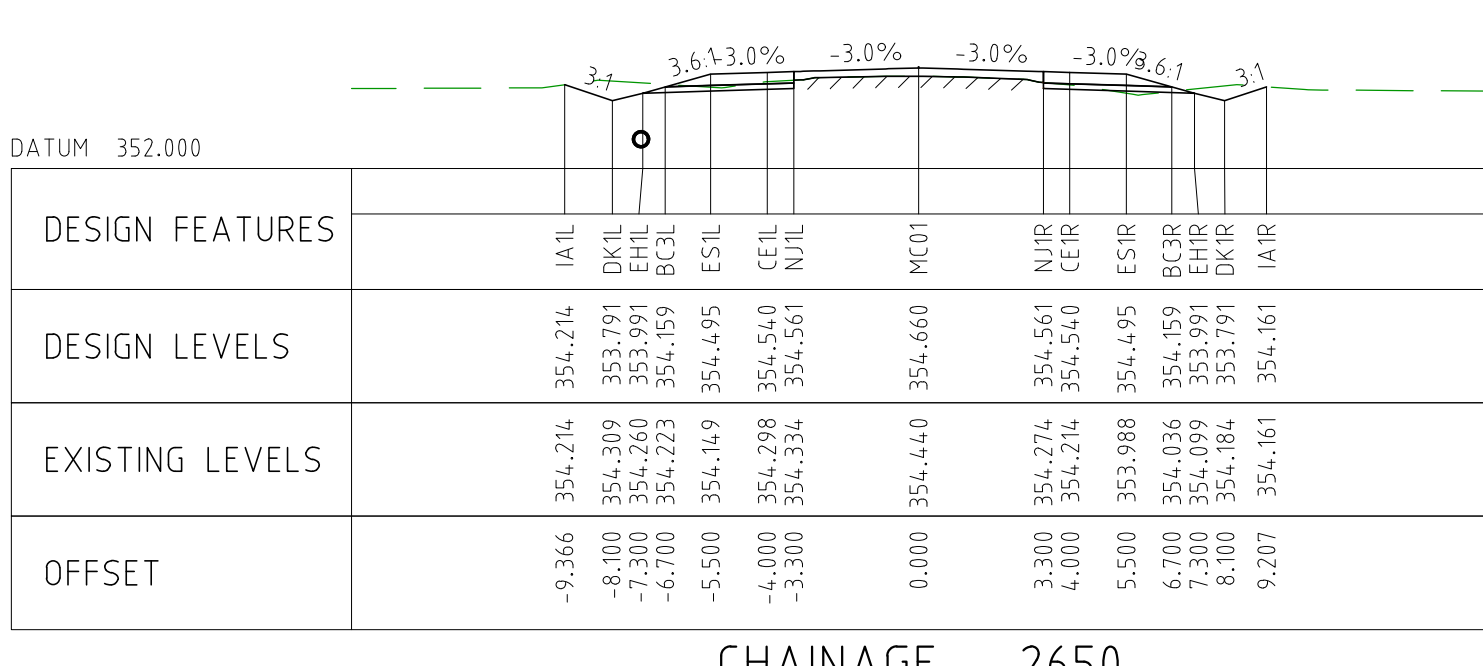
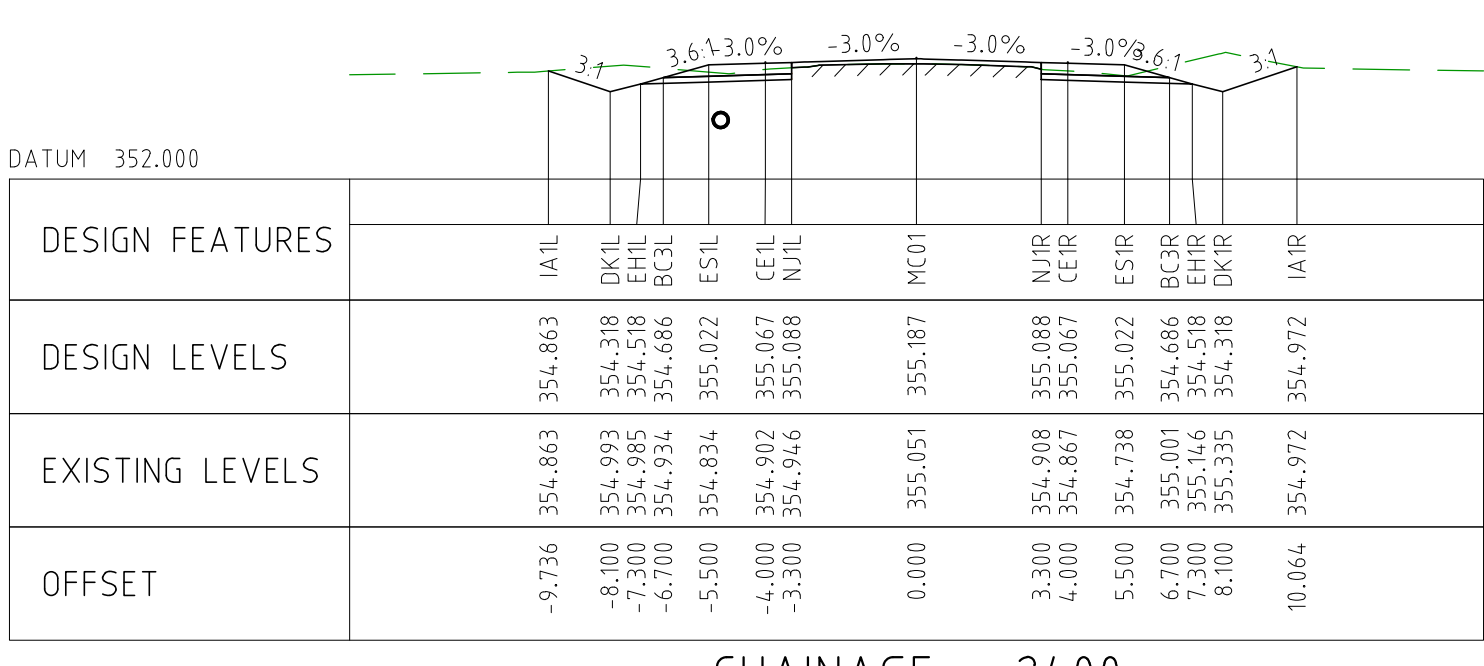
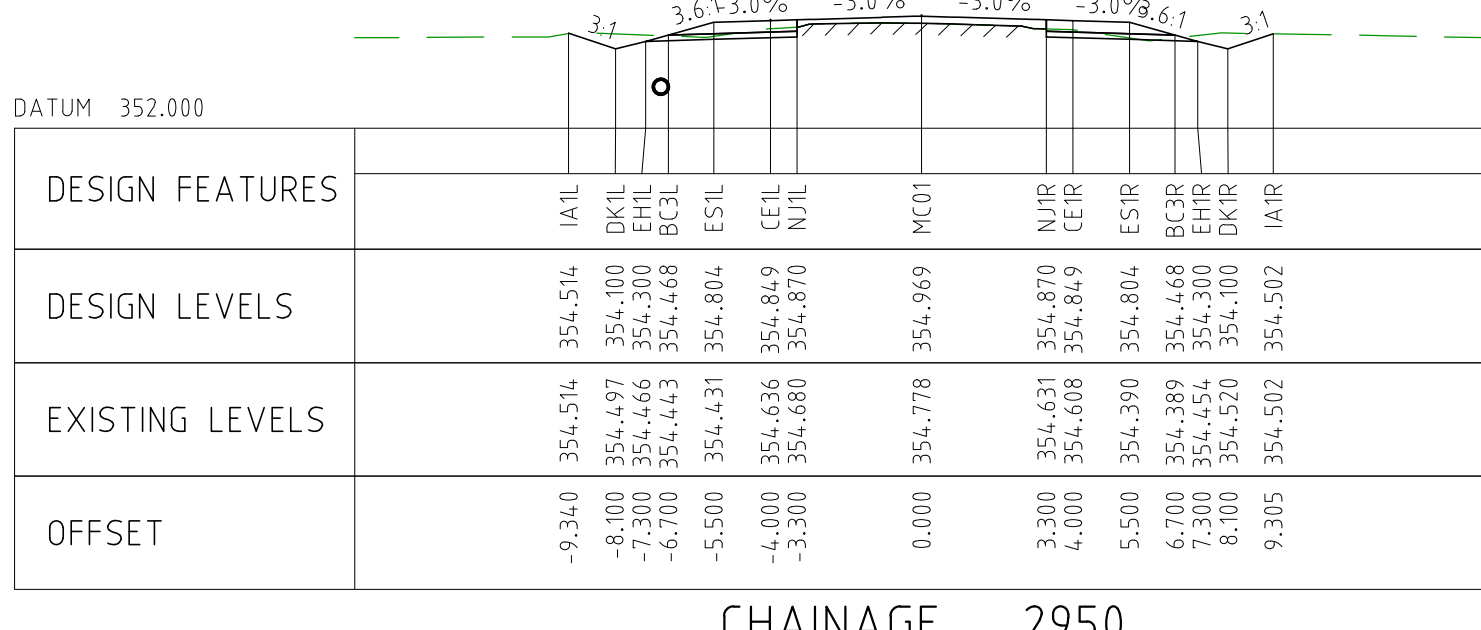
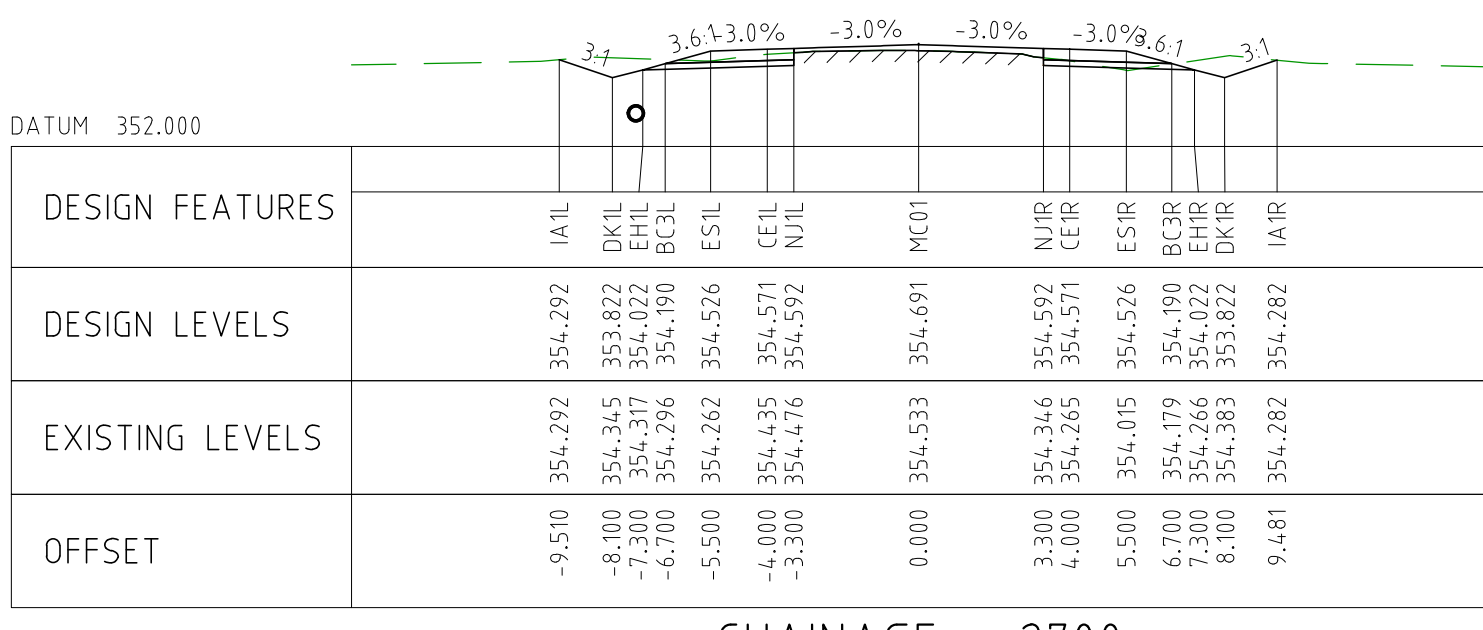
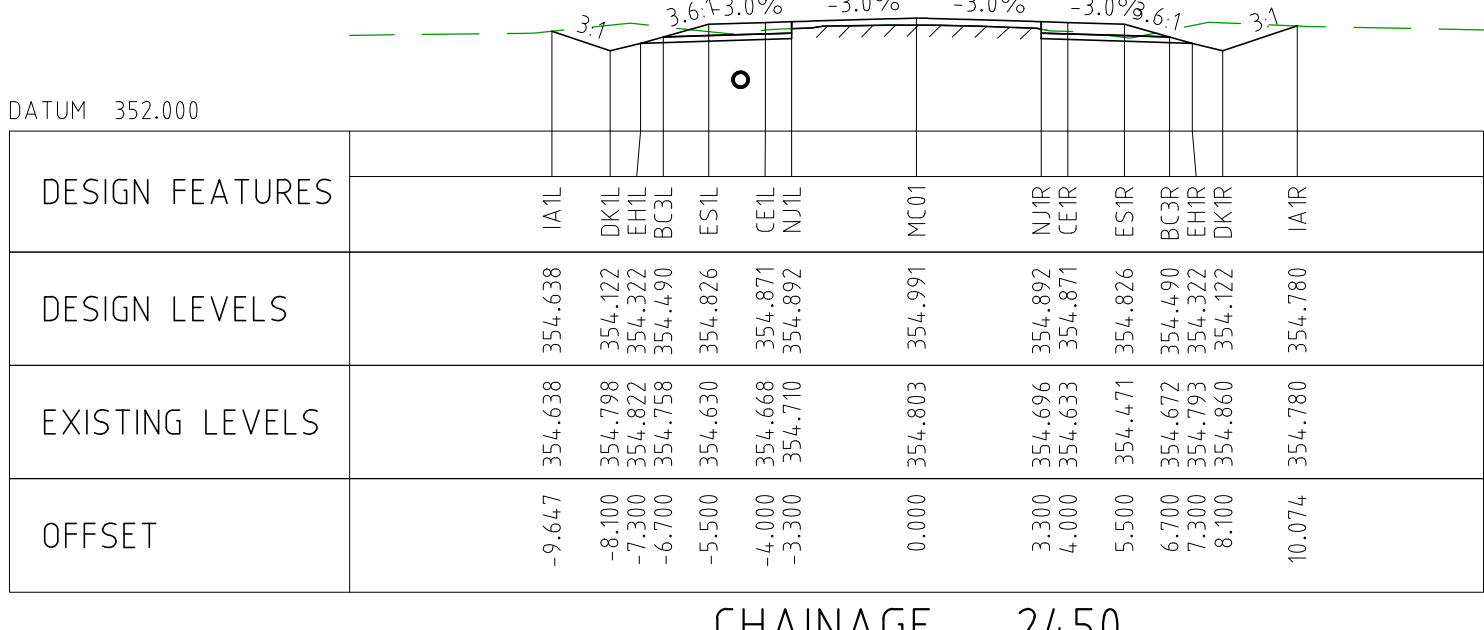
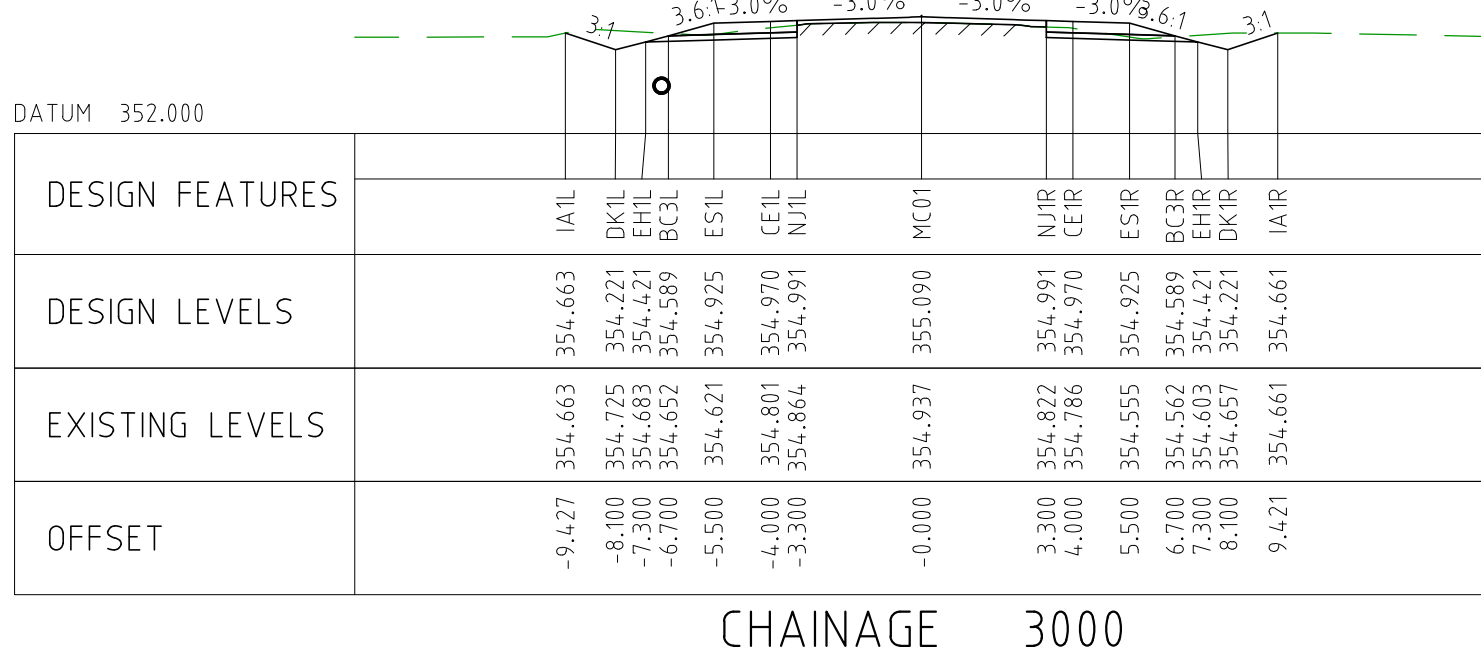
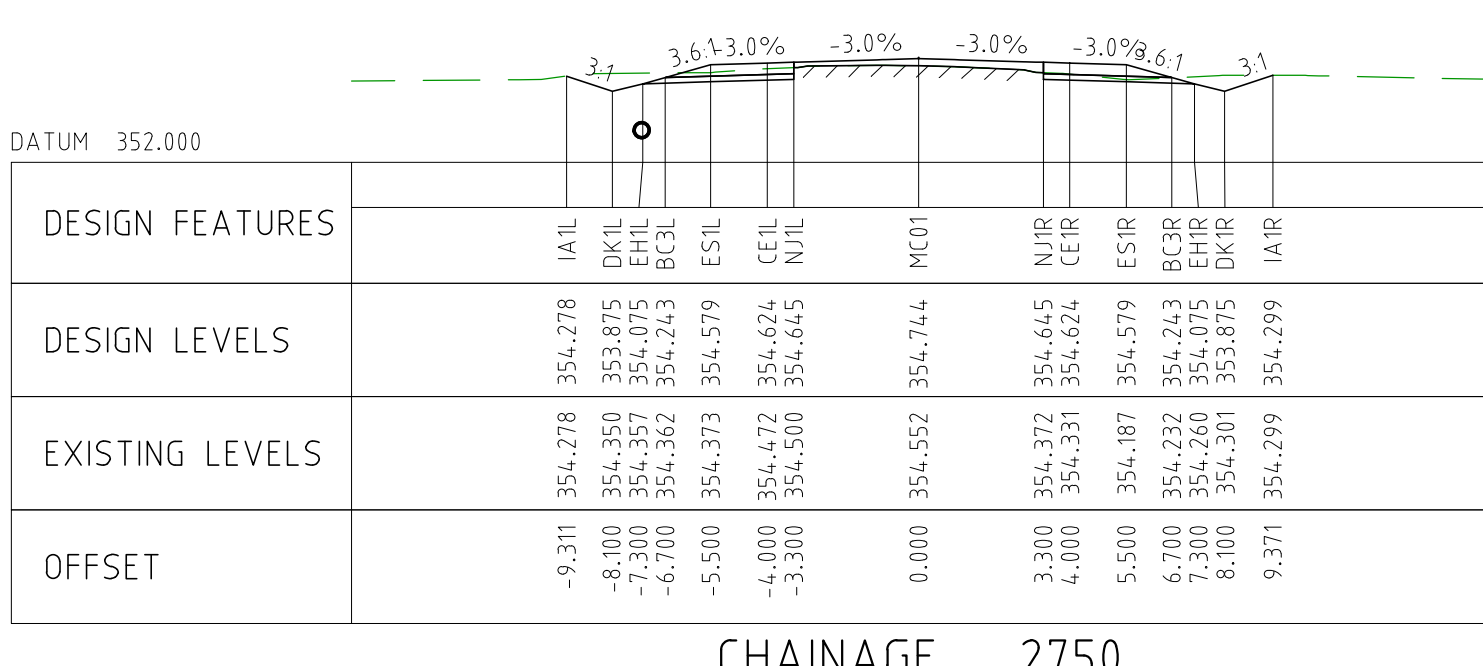
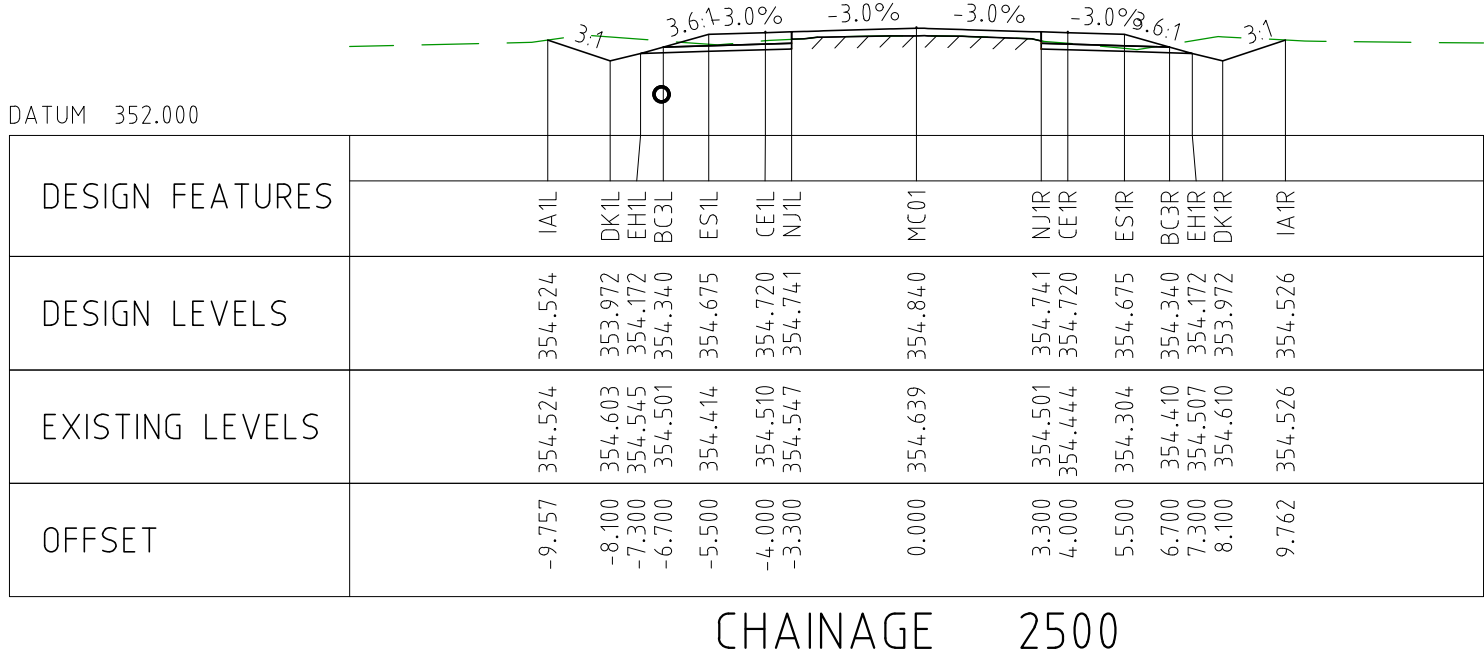


CHAINAGE 2050

NOTES



- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

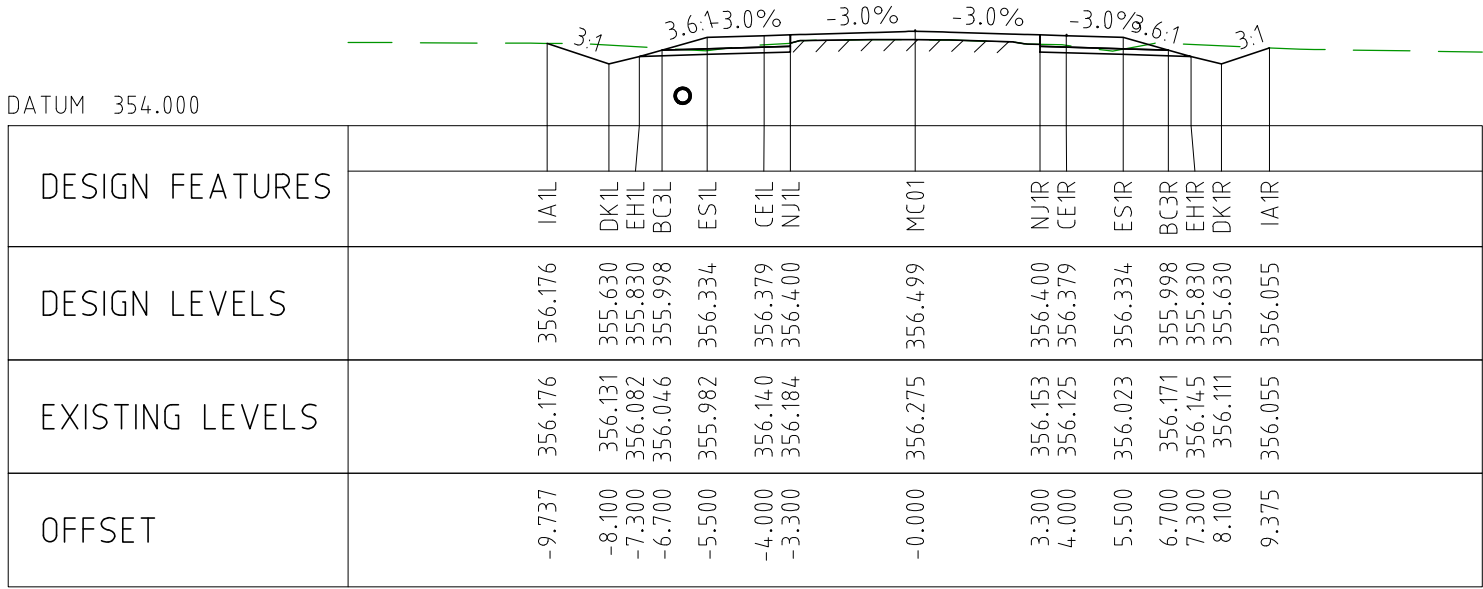
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS03.dwg					PLOT DATE 04 Nov 2022		TIME 11:51:20		CLIENT DOCUMENT No COV-M040-CI-DWG-0115									
EXTERNAL REFERENCE FILES	REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:200</div> <div></div>			<div>DESIGNER</div> <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div> covalent LITHIUM</div>		<div>PROJECT TITLE</div> <div>MOUNT HOLLAND LITHIUM MINE</div> <div>PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 3 OF 41</div> <div><div>SCALE 1:200</div><div>PHASE DETAILED</div><div>PROJECT / DRAWING No 3006493-XS03</div><div>REVISION 0</div></div>			
						DRAFTER	JW											
						DRAFTING CHECK	TM											
						DESIGNER	TM											
						DESIGN CHECK	TM											
						PROJECT MANAGER	DM											
						PROJECT DIRECTOR	RJ											



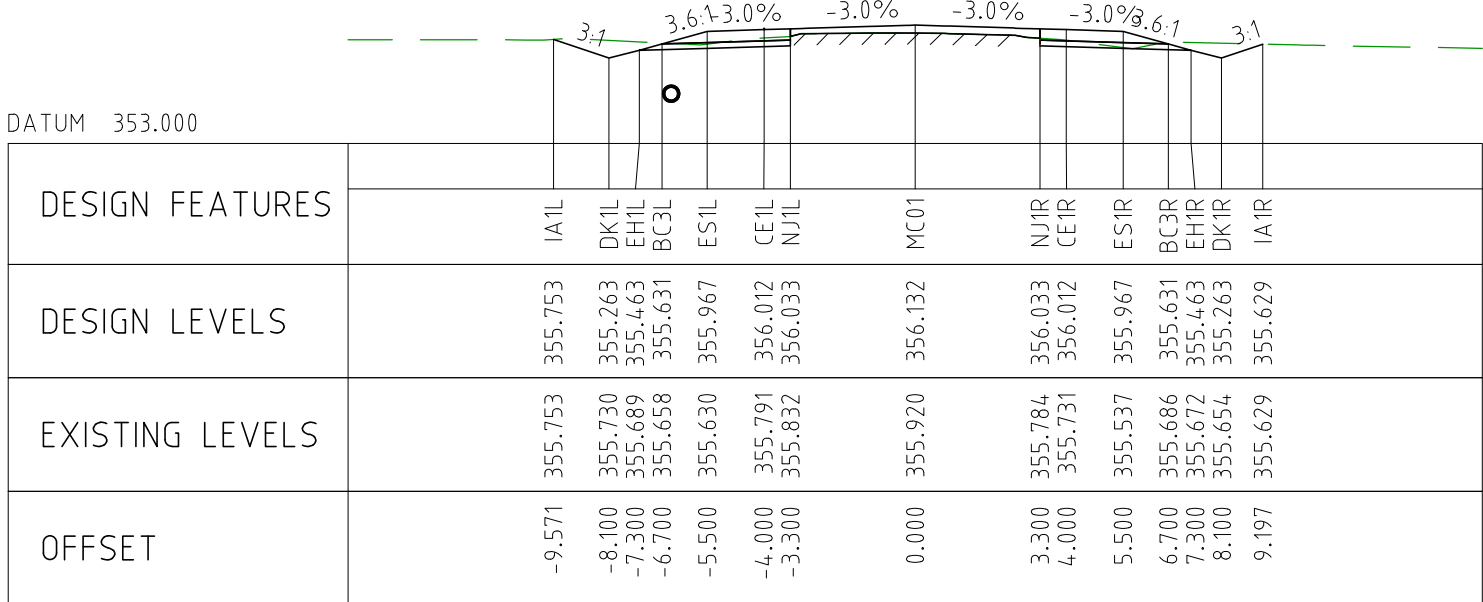
NOTES

1. FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

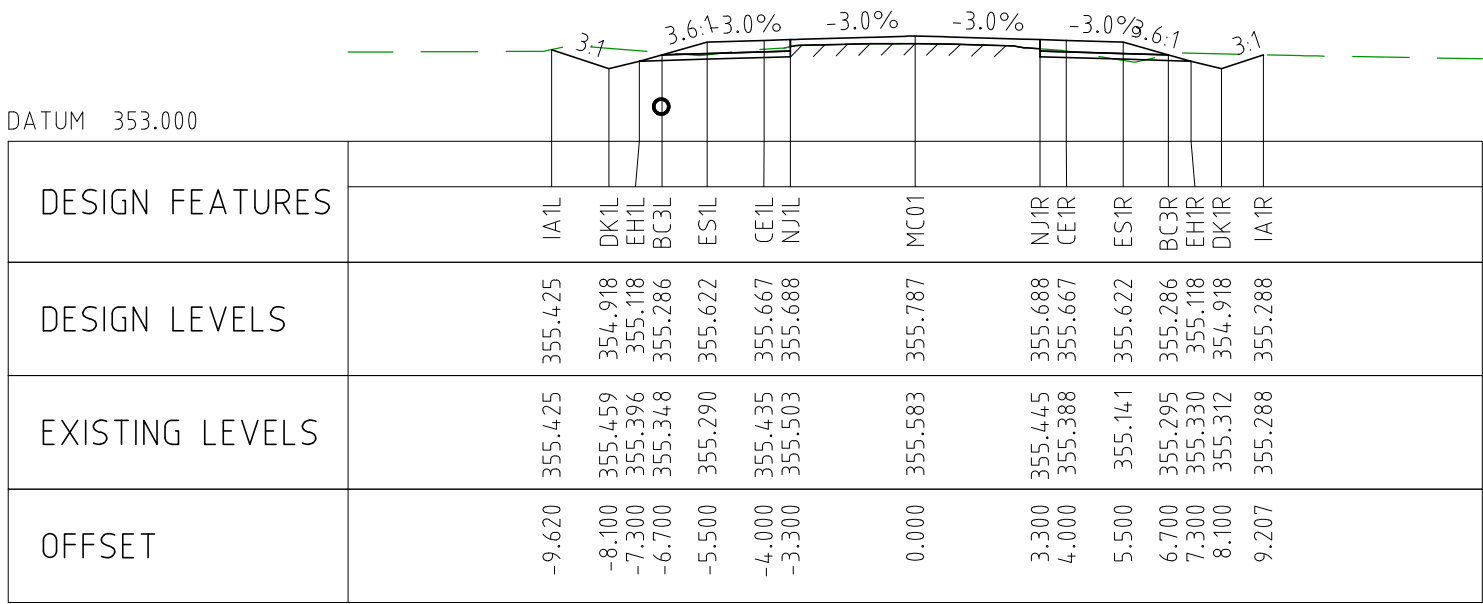
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS04.dwg					PLOT DATE 04 Nov 2022		TIME 11:52:00		CLIENT DOCUMENT No COV-M040-CI-DWG-0116															
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL		TITLE	NAME	SCALES AT A1 SIZE DRAWING			DESIGNER		CLIENT		PROJECT TITLE		
					0	04.11.22	ISSUED FOR CONSTRUCTION			003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div>	<div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>	<div><div>covalent</div><div>LITHIUM</div></div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 4 OF 41							
												DRAFTING CHECK	TM											
												DESIGNER	TM											
												DESIGN CHECK	TM											
												PROJECT MANAGER	DM											
												PROJECT DIRECTOR	RI											
										SMC PROJECT No 3006493														
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS04			REVISION 0																	



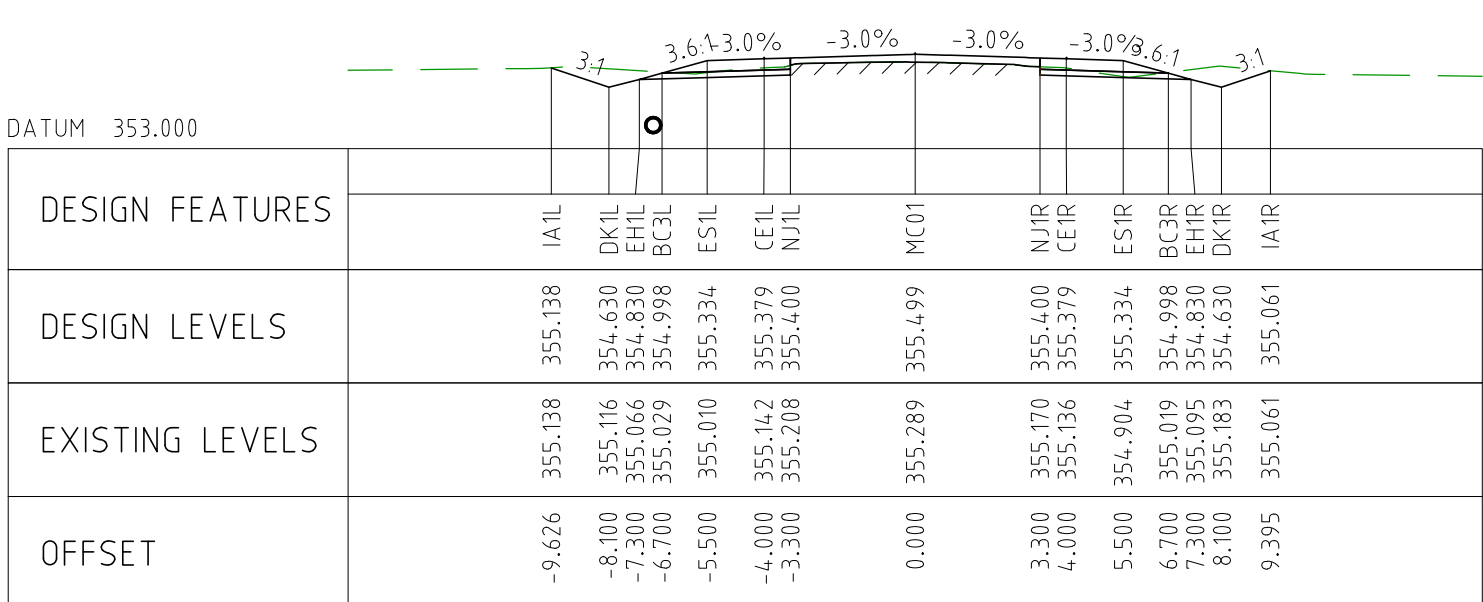
CHAINAGE 3250



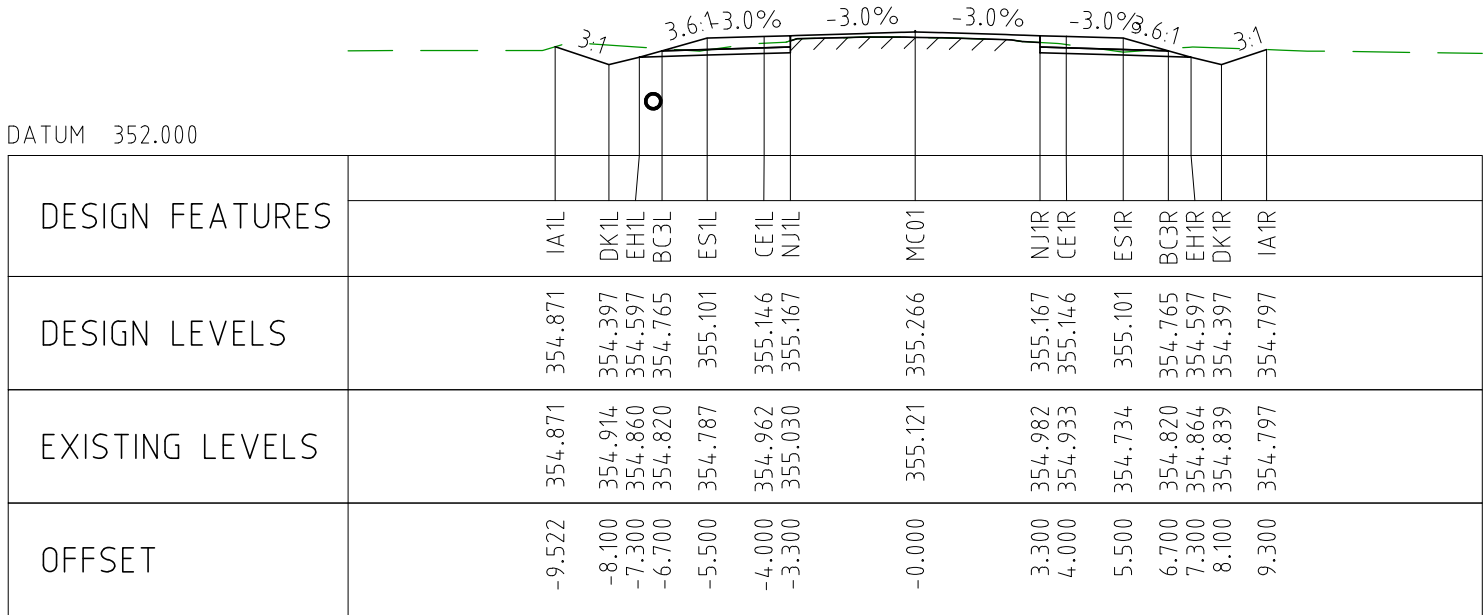
CHAINAGE 3200



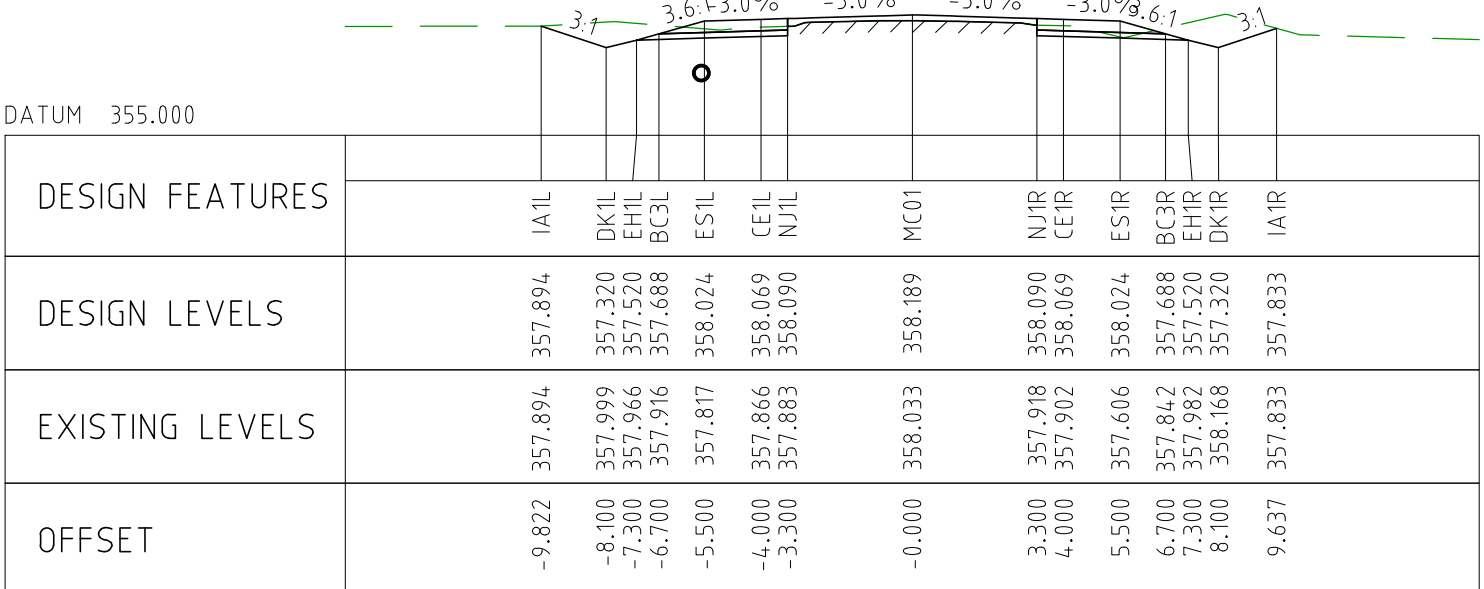
CHAINAGE 3150



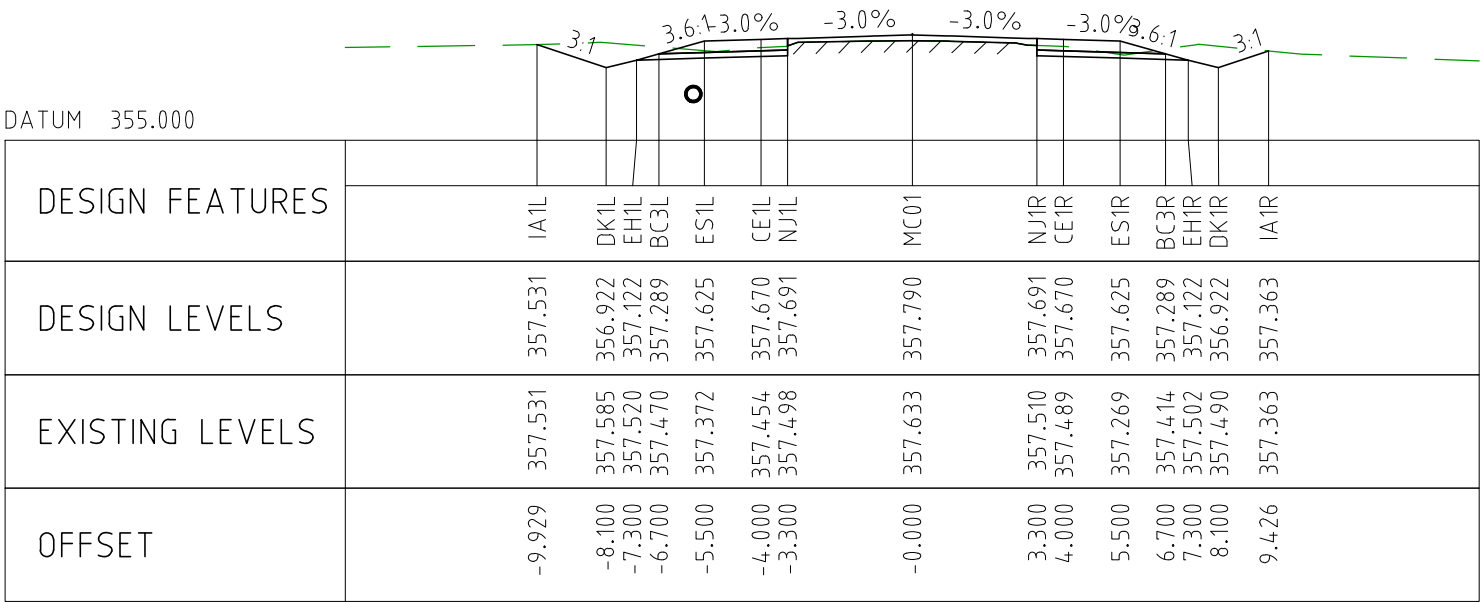
CHAINAGE 3100



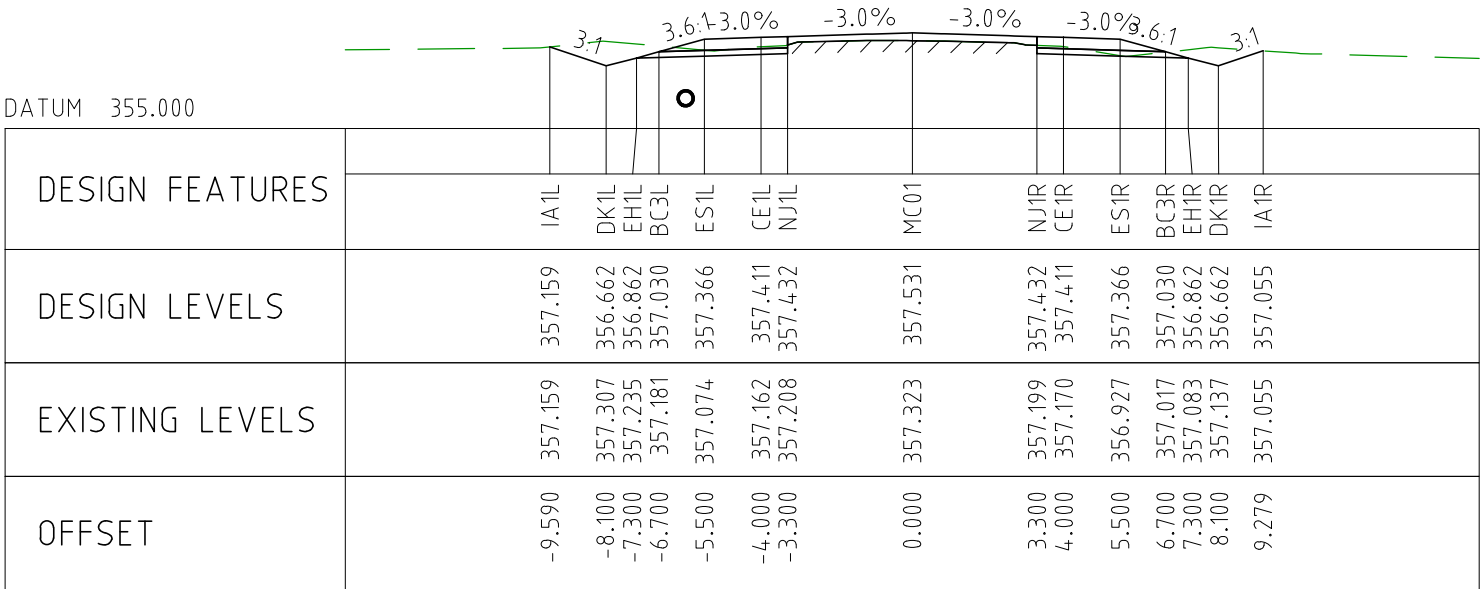
CHAINAGE 3050



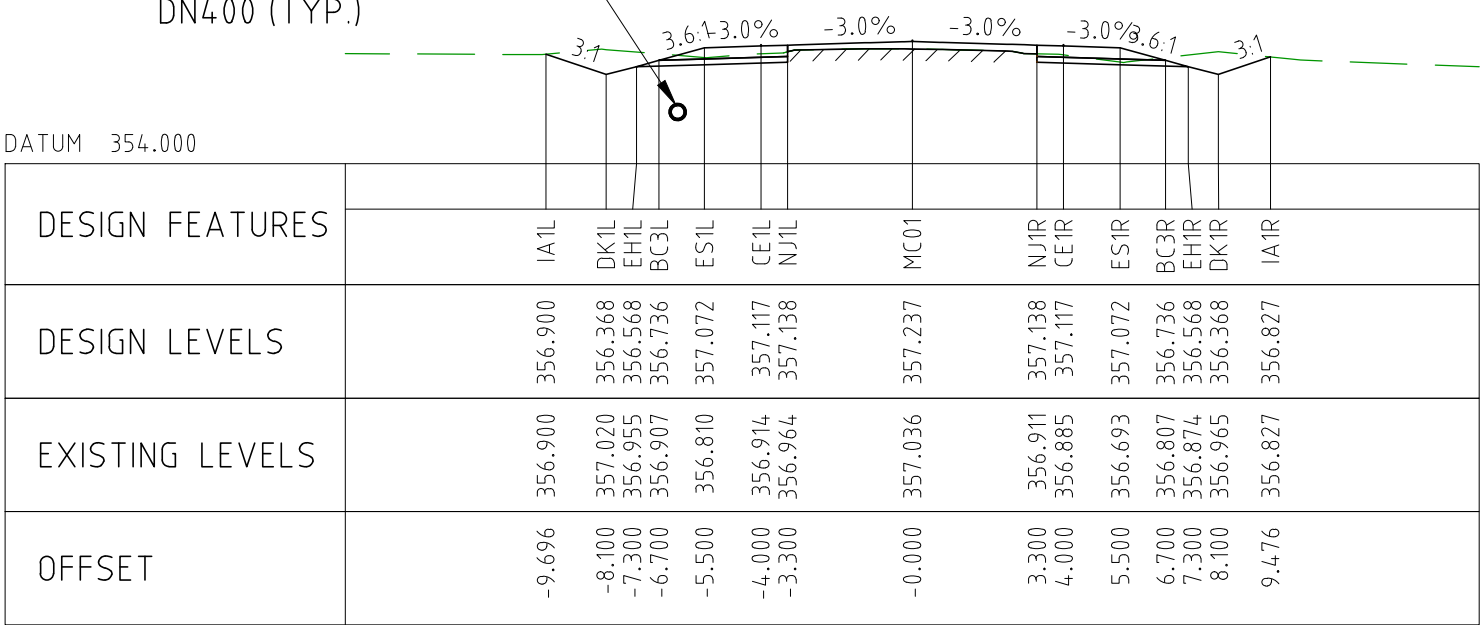
CHAINAGE 3500



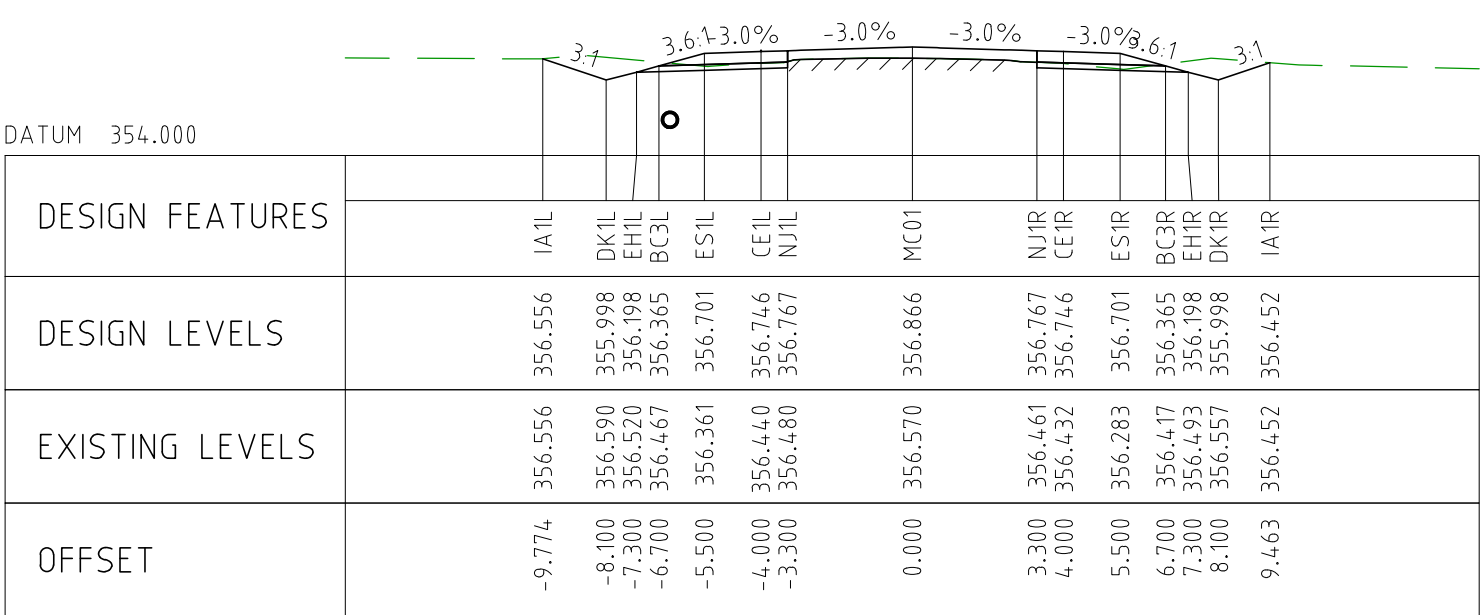
CHAINAGE 3450



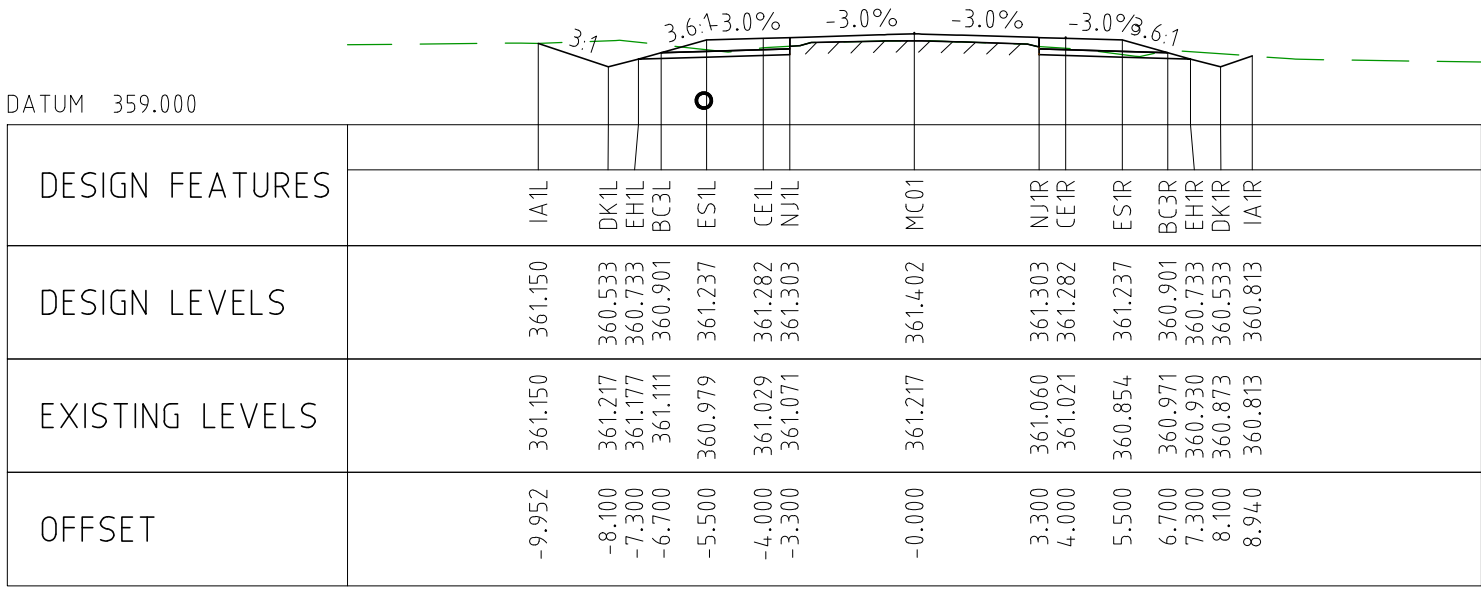
CHAINAGE 3400



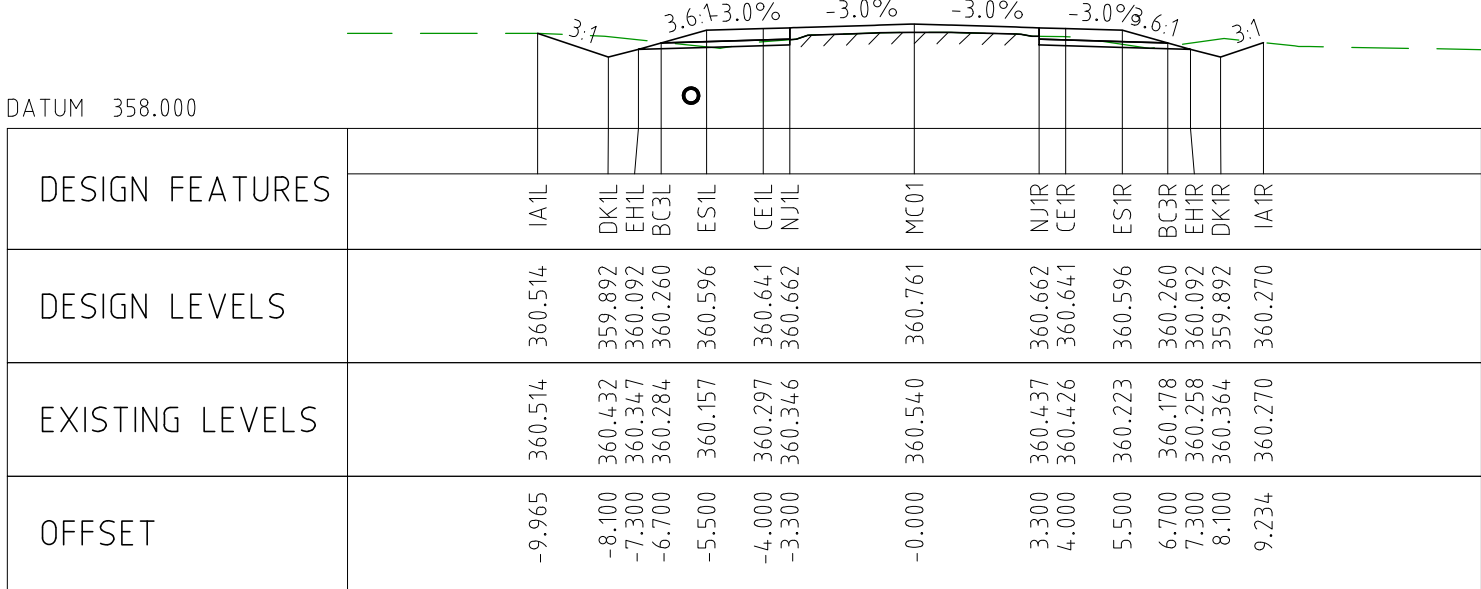
CHAINAGE 3350



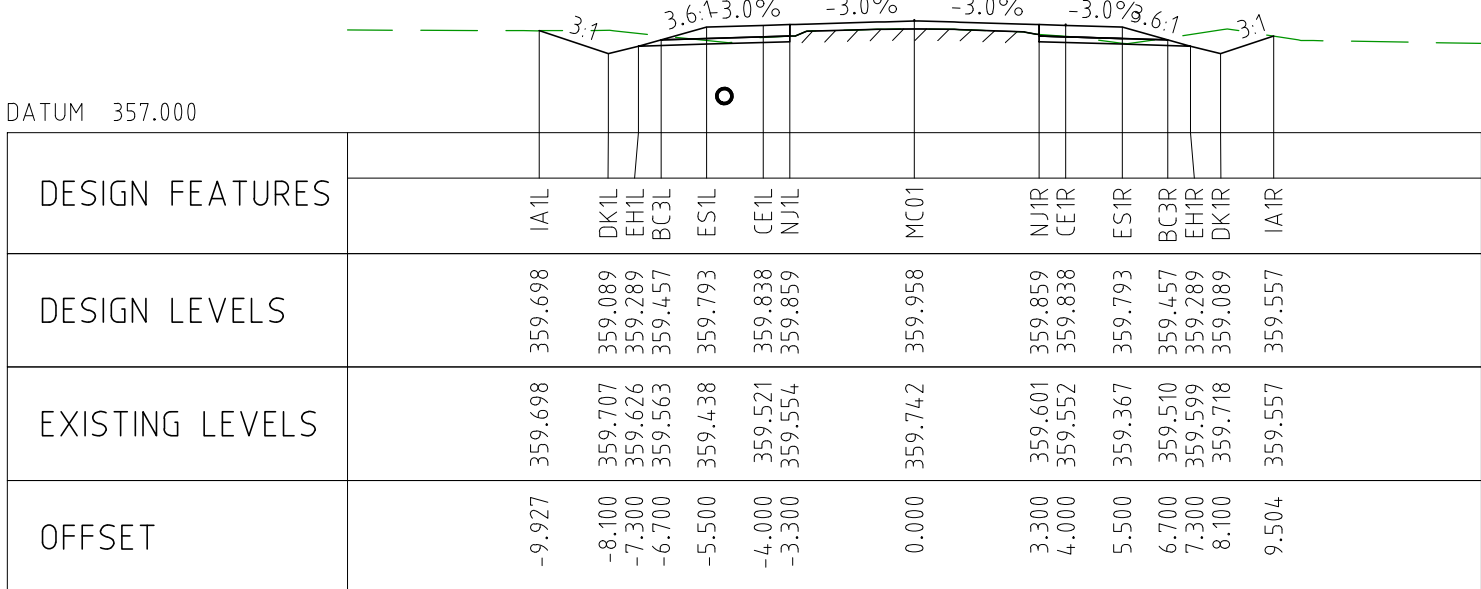
CHAINAGE 3300



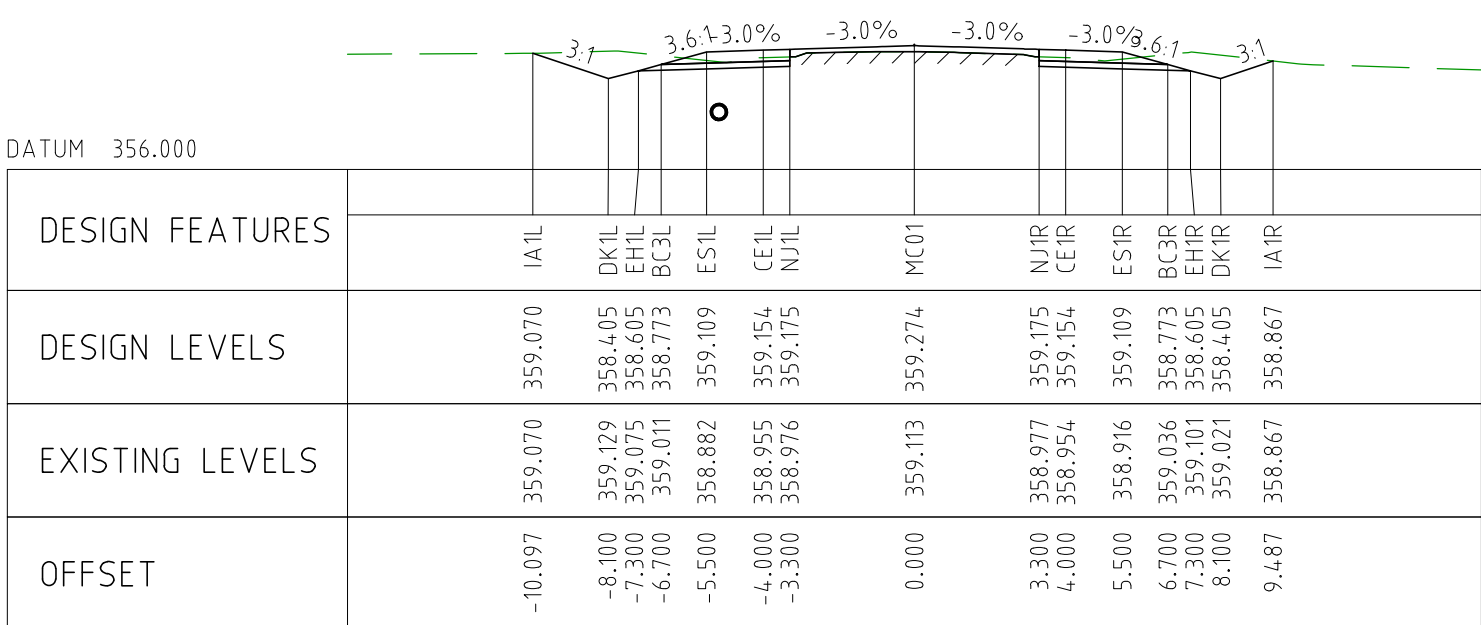
CHAINAGE 3750



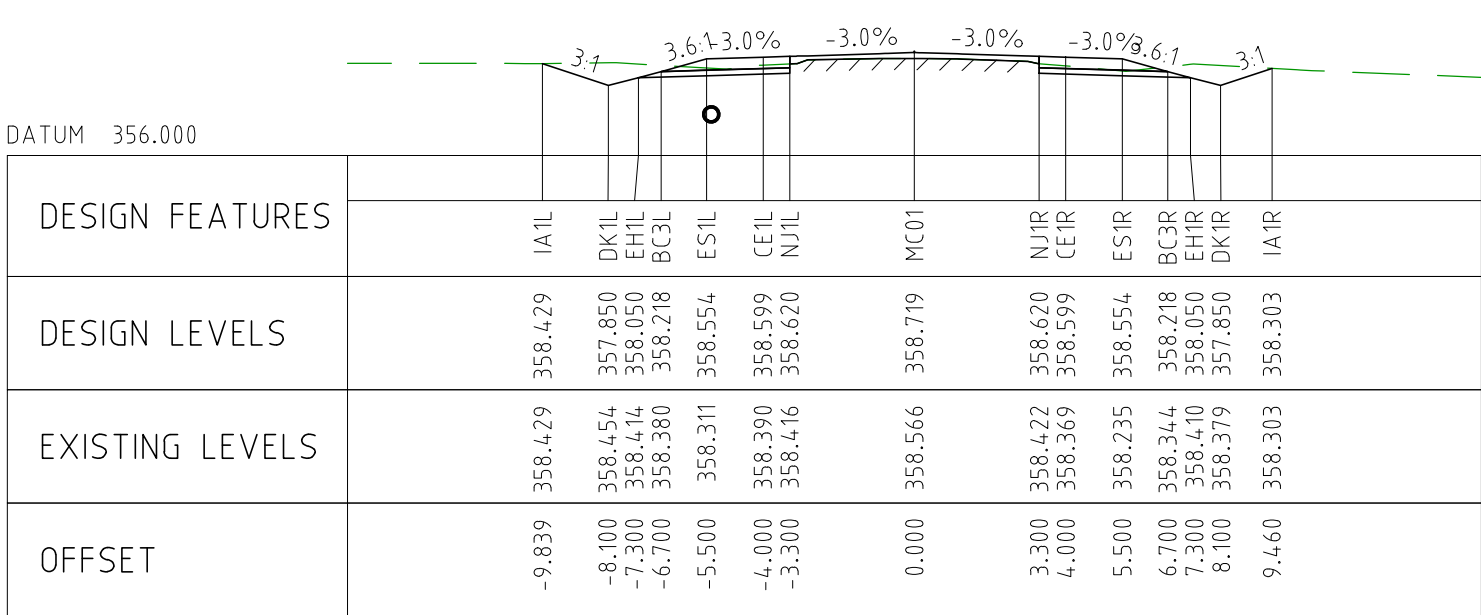
CHAINAGE 3700



CHAINAGE 3650





CHAINAGE 3600

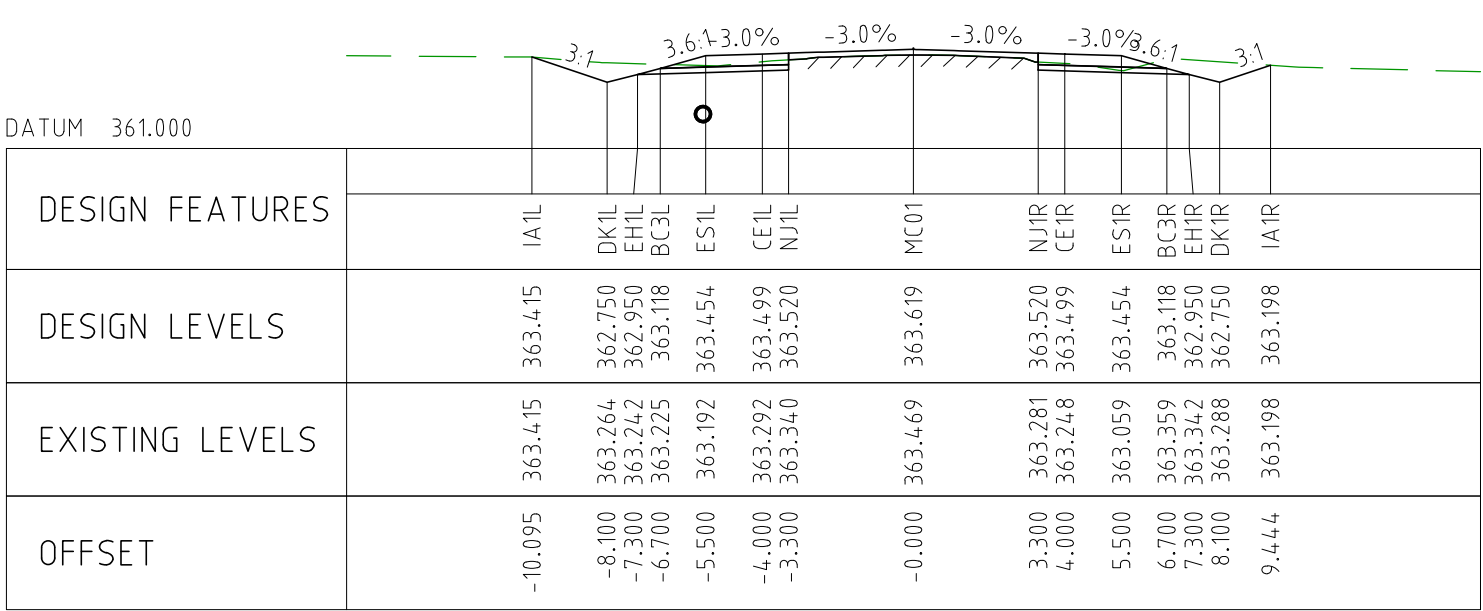


CHAINAGE 3550

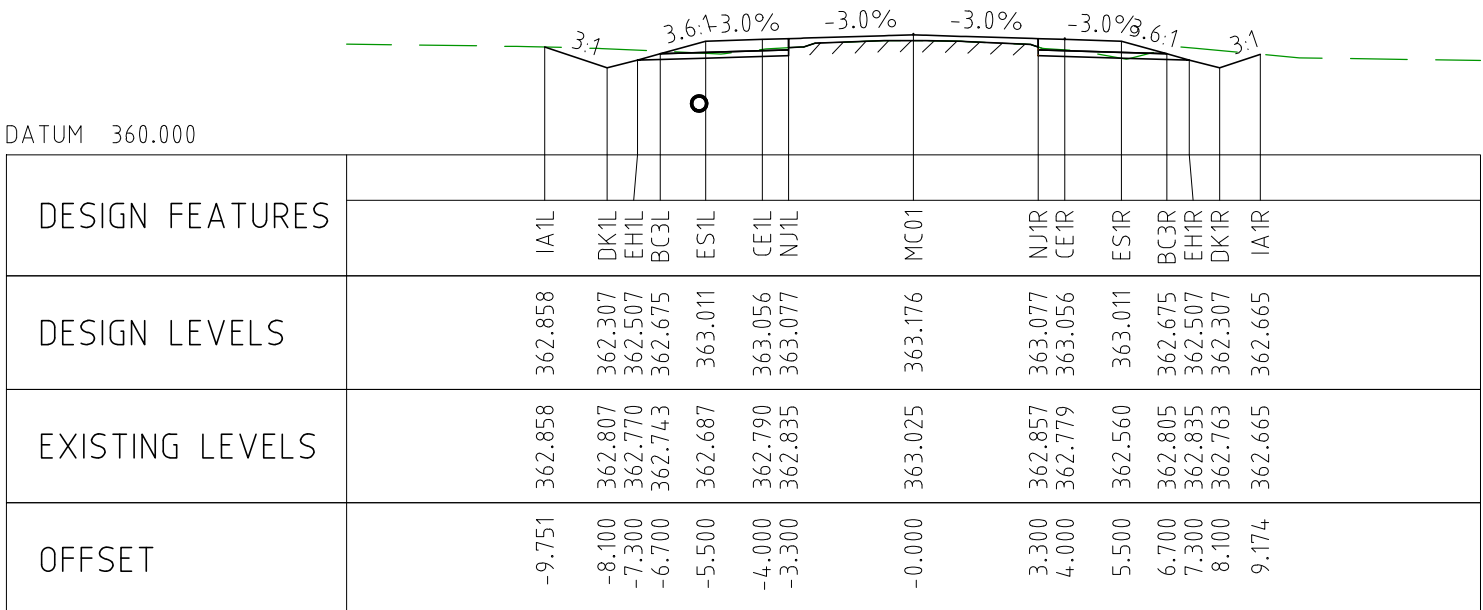
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

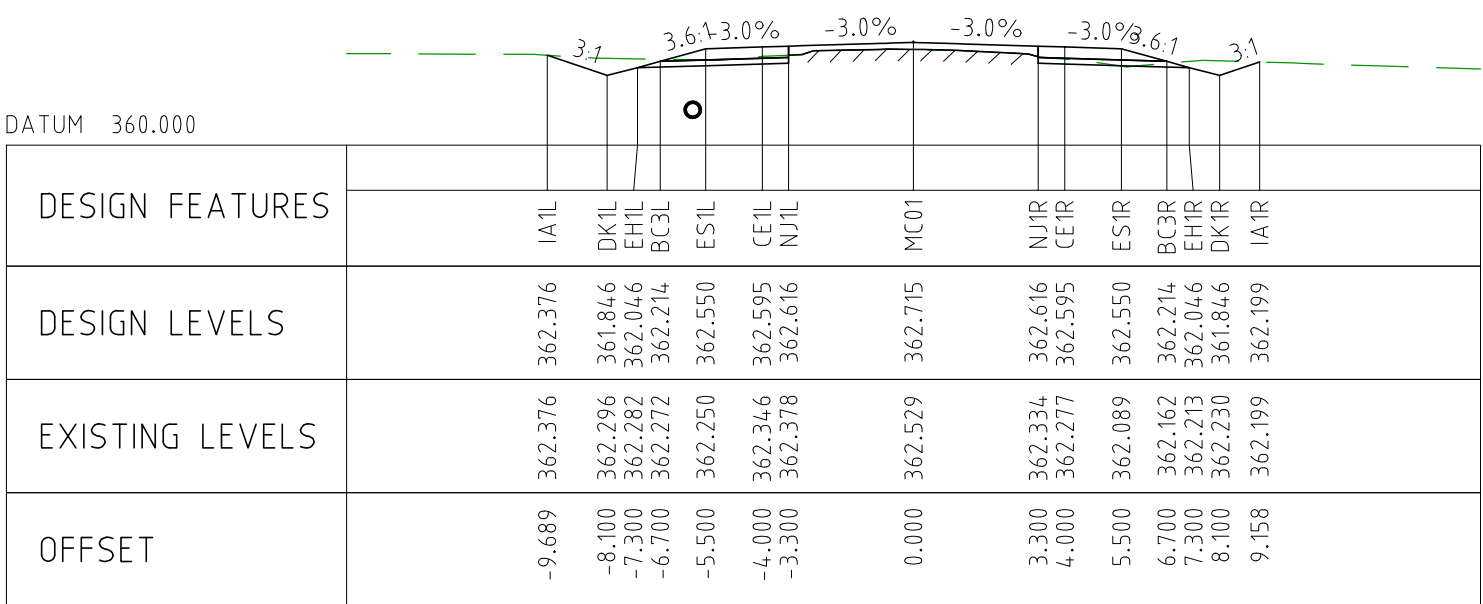
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS05.dwg					PLOT DATE 04 Nov 2022		TIME 11:52:34		CLIENT DOCUMENT No COV-M040-CI-DWG-0117													
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL		TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE	
					0	04.11.22	ISSUED FOR CONSTRUCTION			003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>20</div></div>	<div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>		<div><div>covalent LITHIUM</div></div>	MOUNT HOLLAND LITHIUM MINE				
												DRAFTING CHECK	TM									
												DESIGNER	TM									
												DESIGN CHECK	TM									
												PROJECT MANAGER	DM									
											PROJECT DIRECTOR	RI		SMC PROJECT No 3006493				PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 5 OF 41				
																		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS05	REVISION 0	



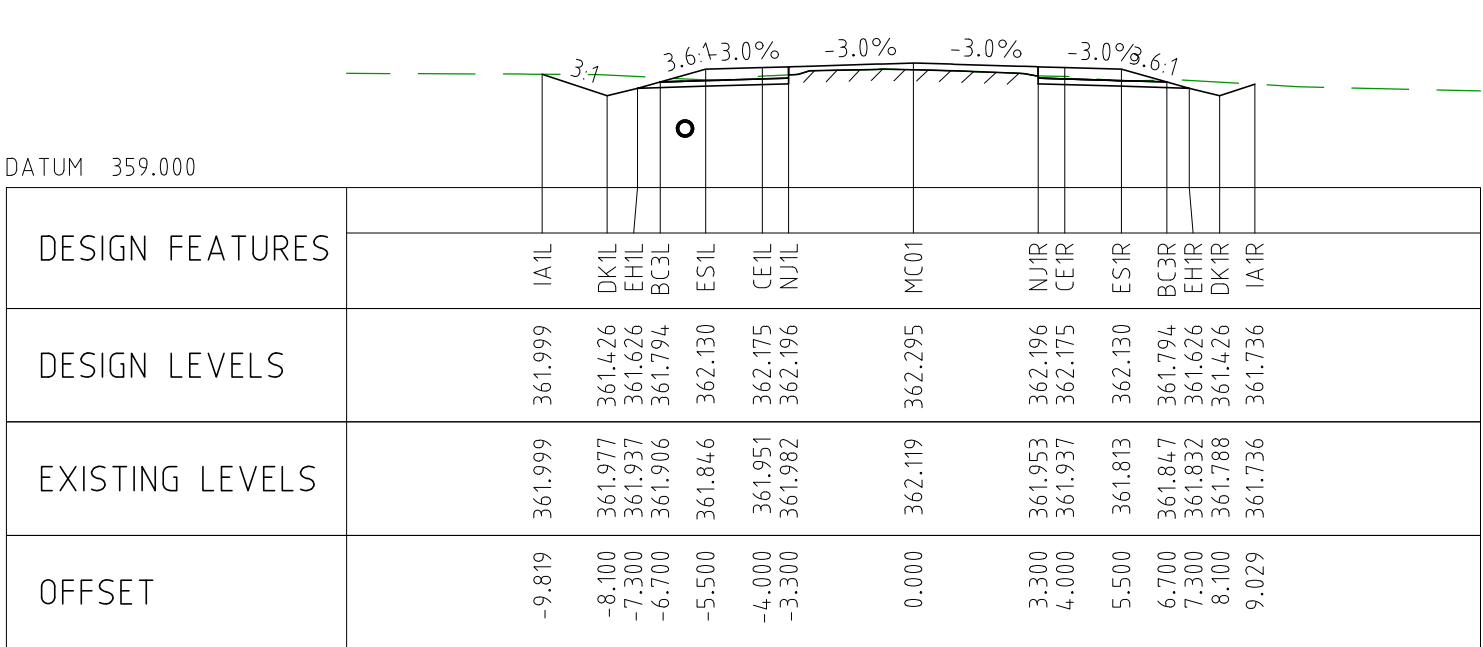
CHAINAGE 4000



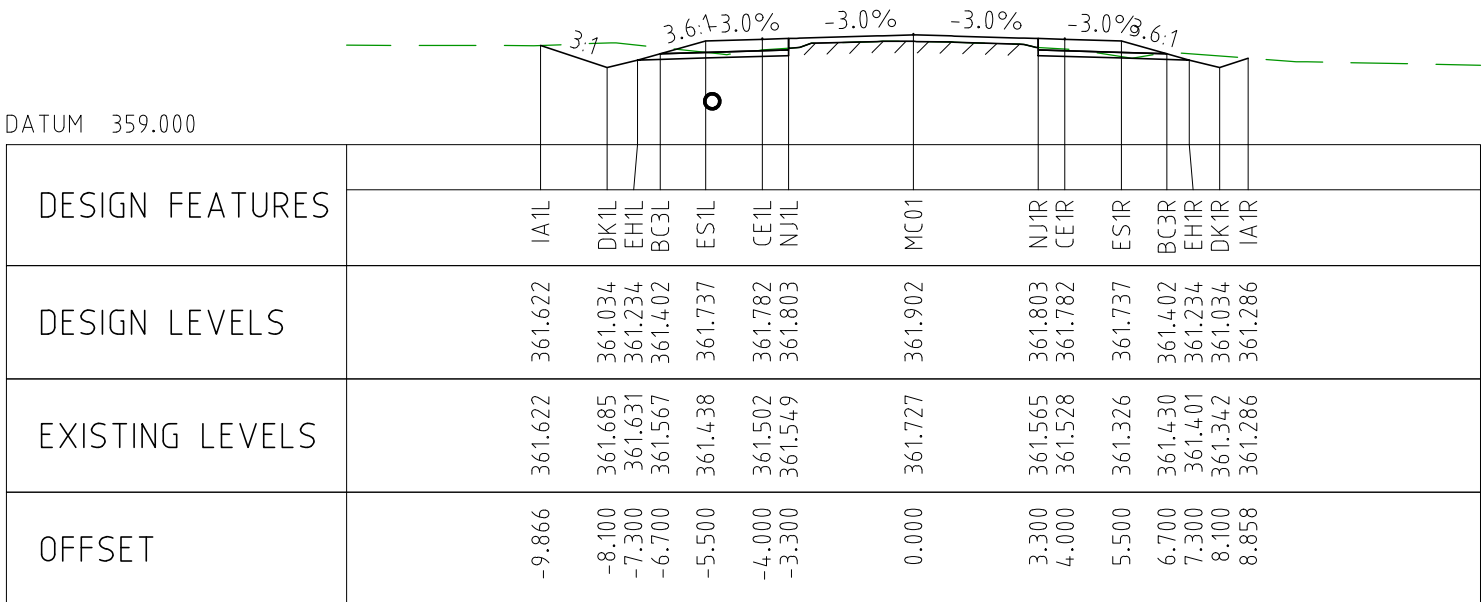
CHAINAGE 3950



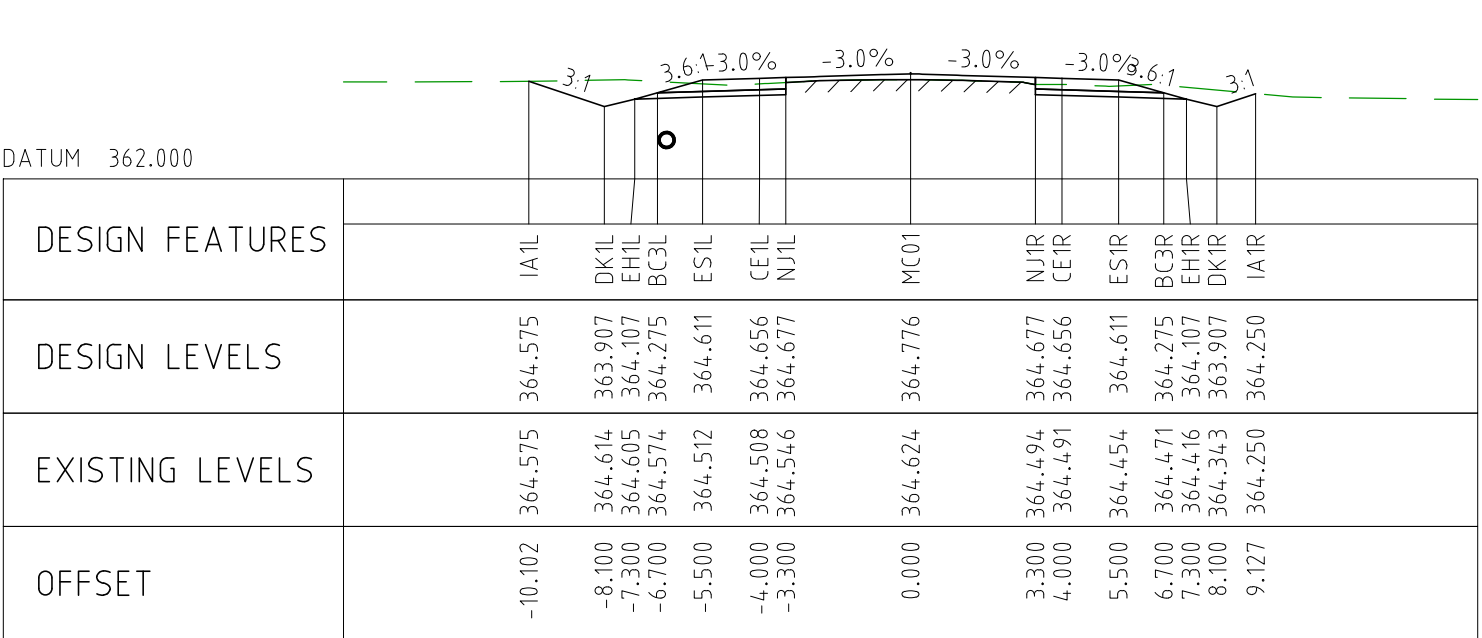
CHAINAGE 3900



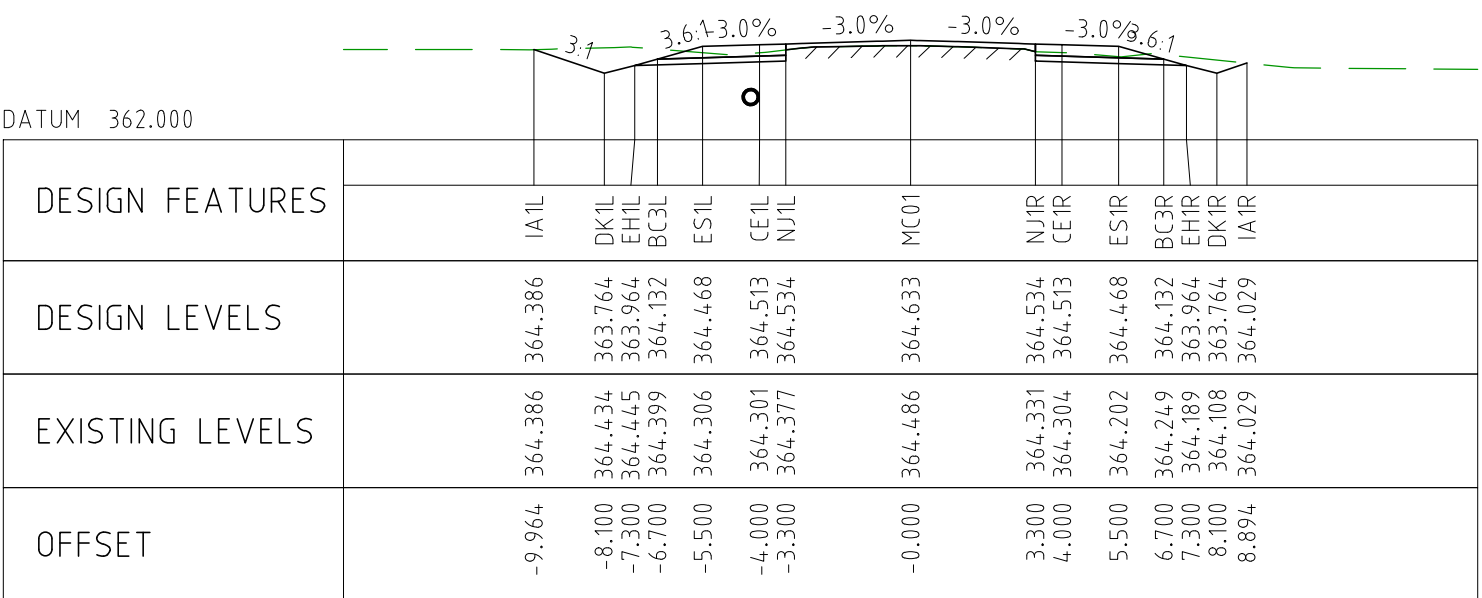
CHAINAGE 3850



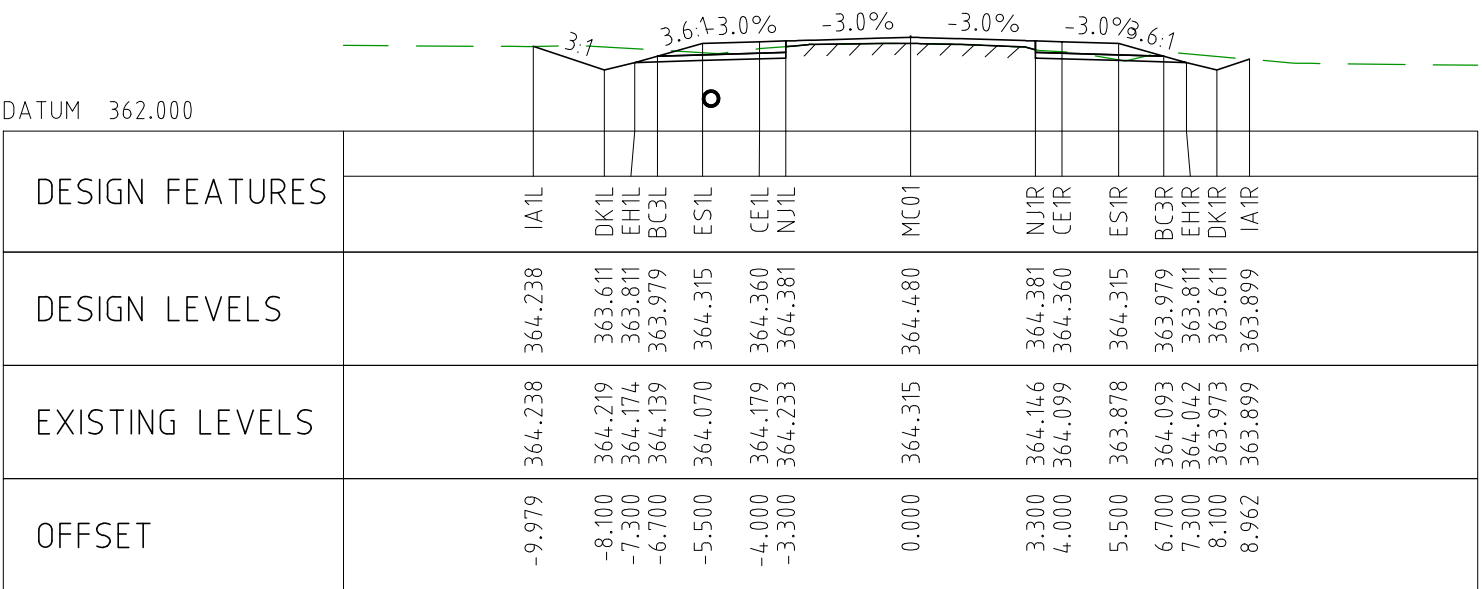
CHAINAGE 3800



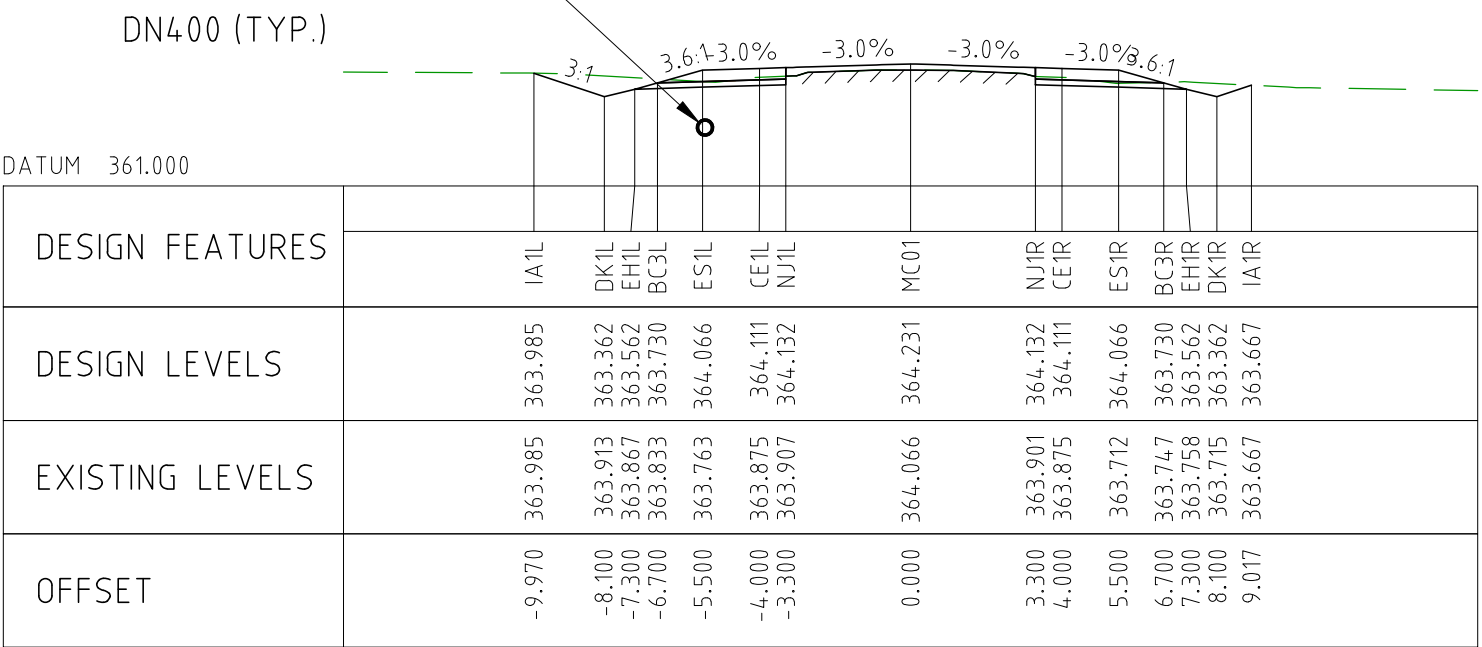
CHAINAGE 4250



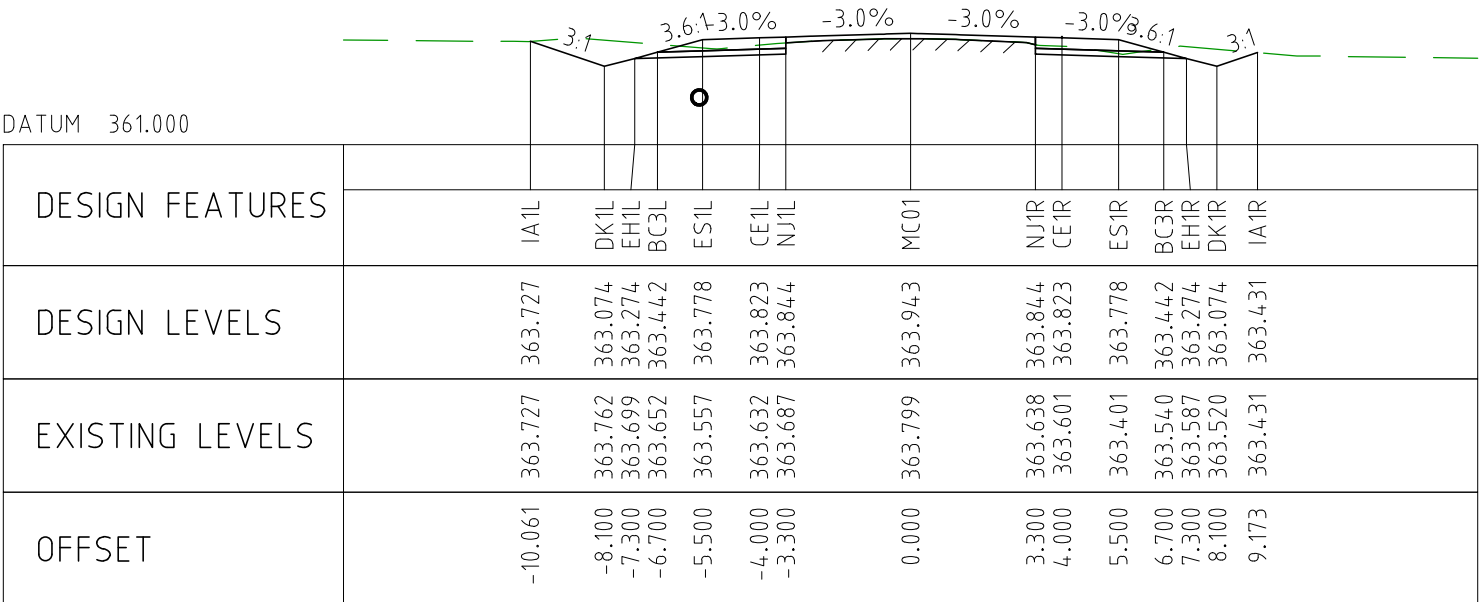
CHAINAGE 4200



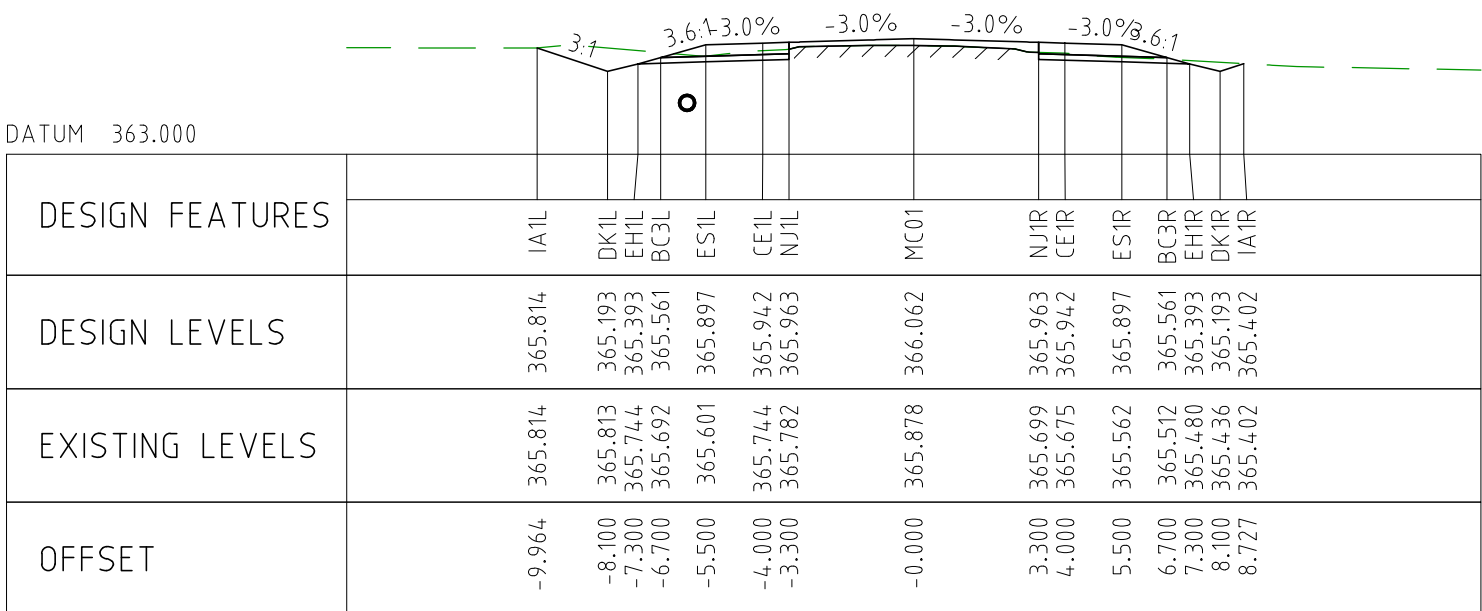
CHAINAGE 4150



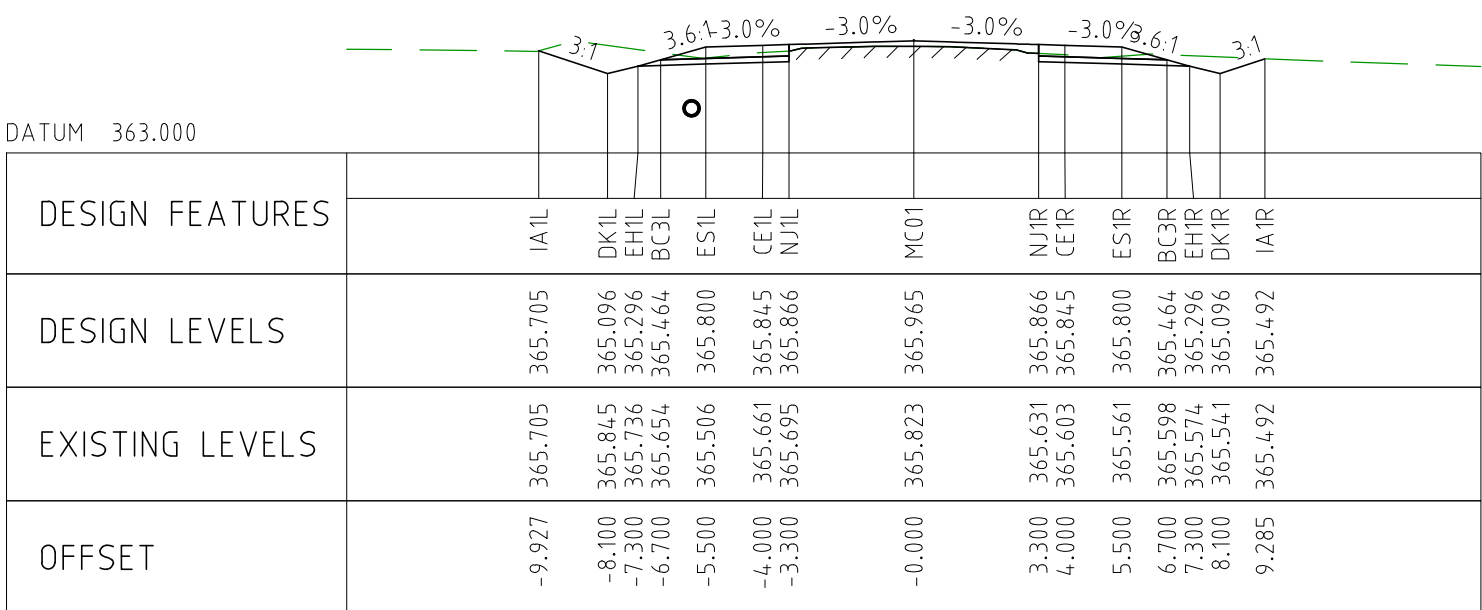
CHAINAGE 4100



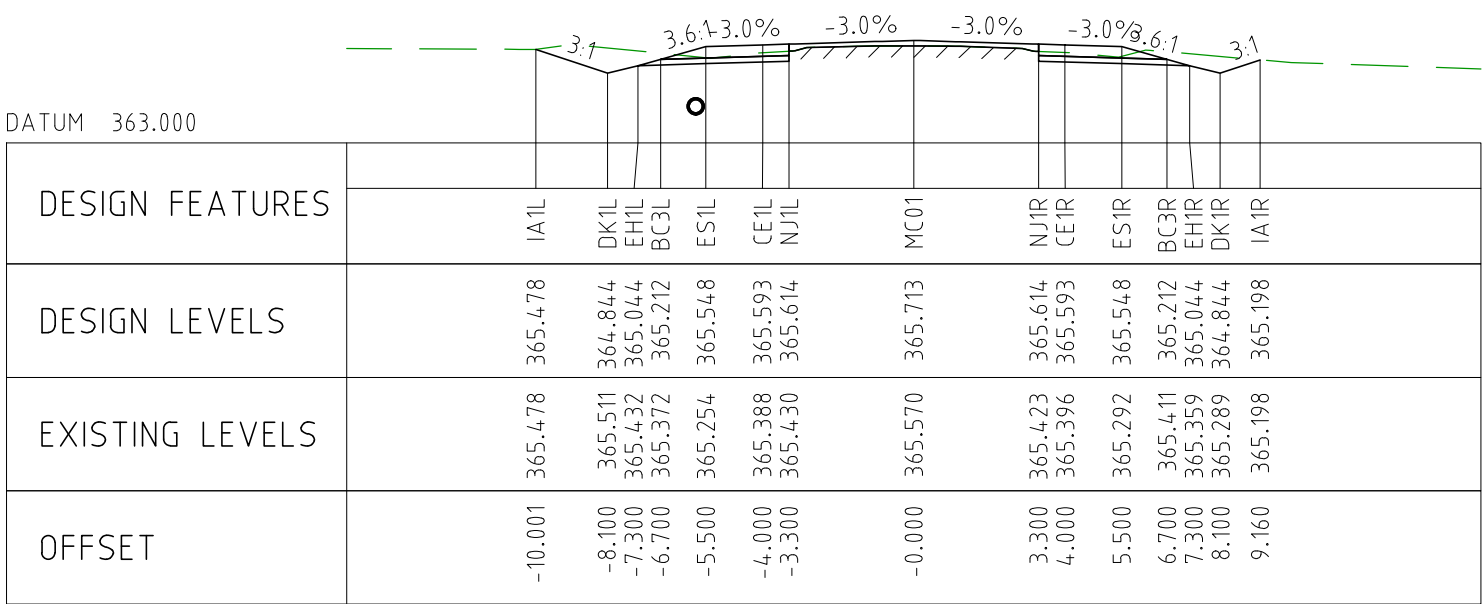
CHAINAGE 4050



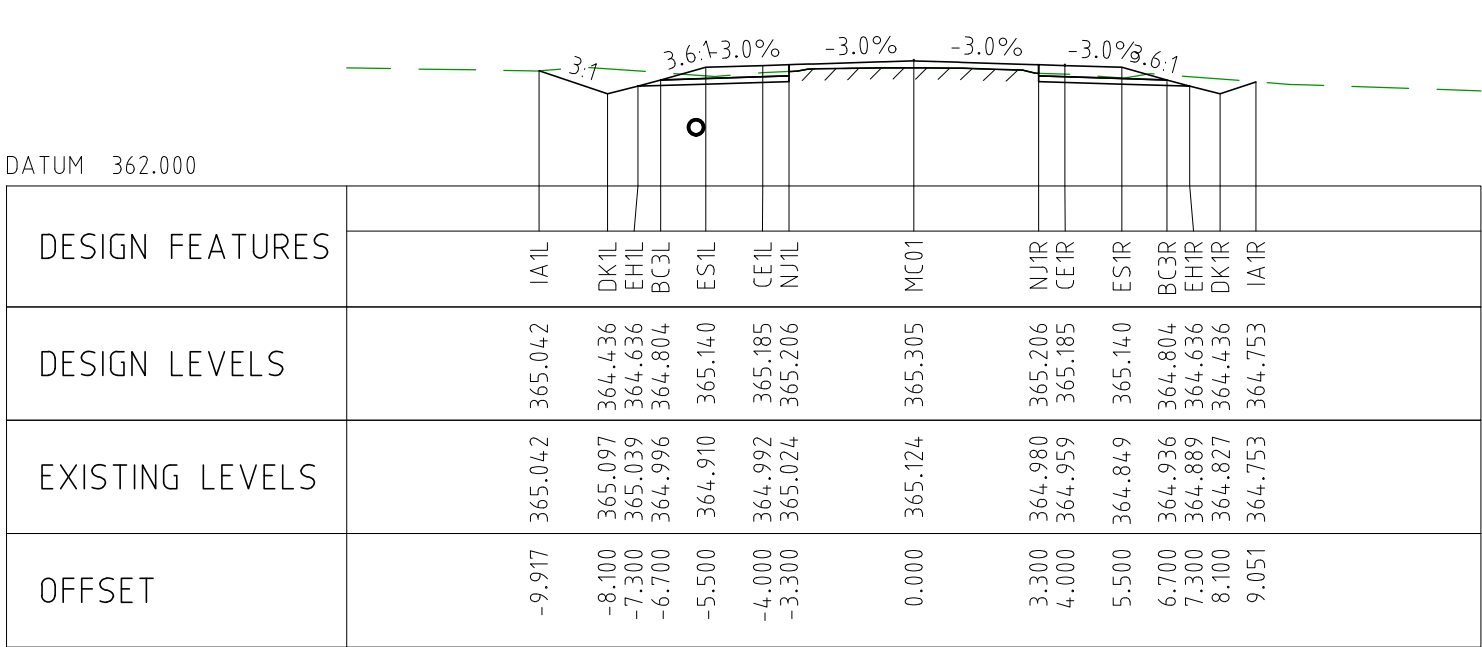
CHAINAGE 4500



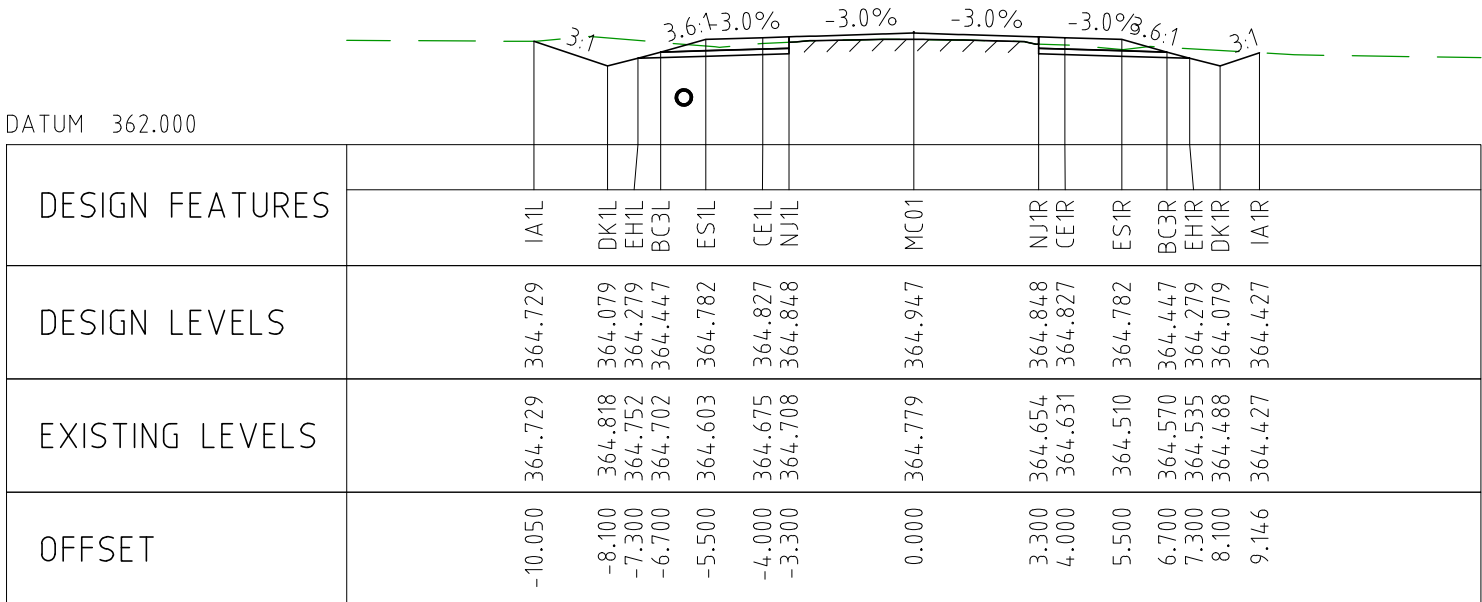
CHAINAGE 4450



CHAINAGE 4400



CHAINAGE 4350

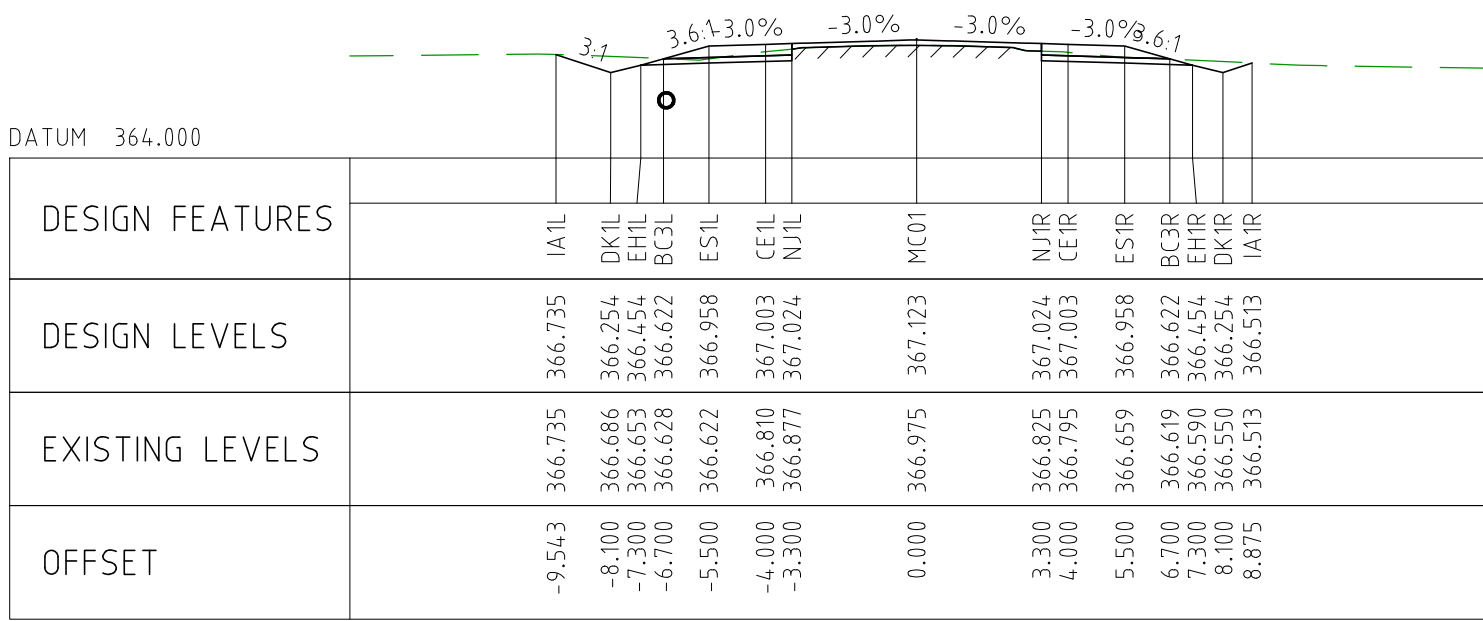


CHAINAGE 4300

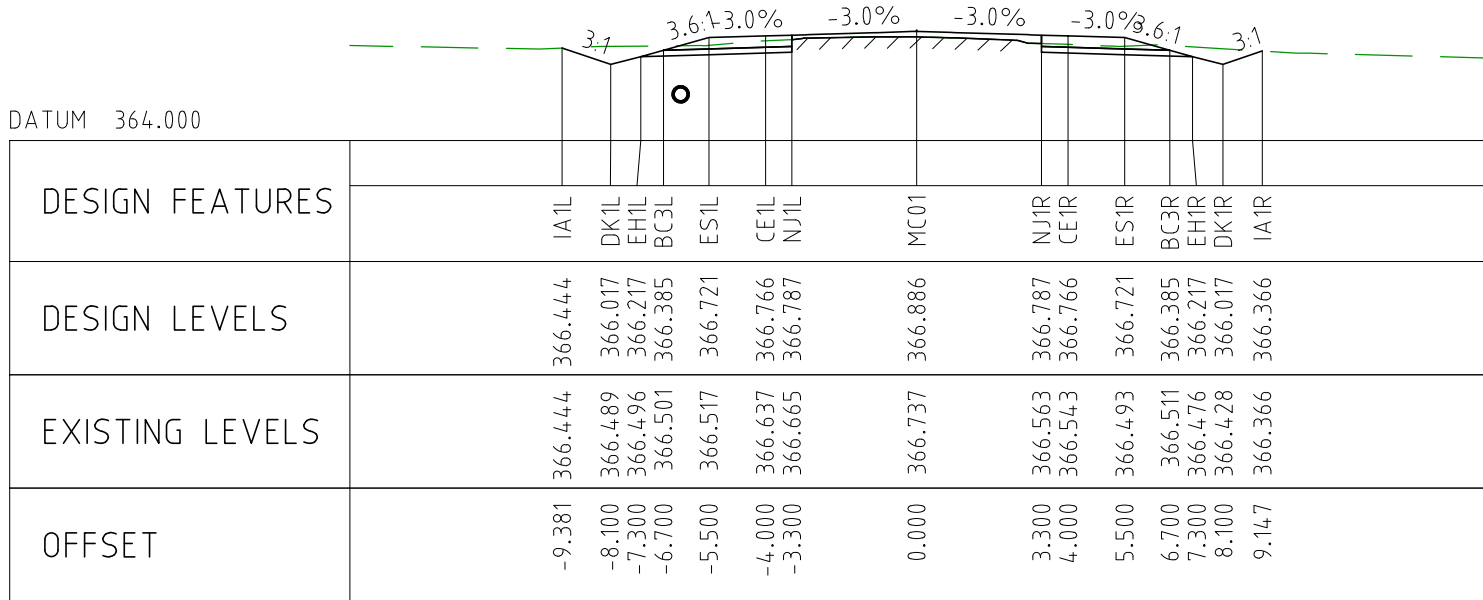
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

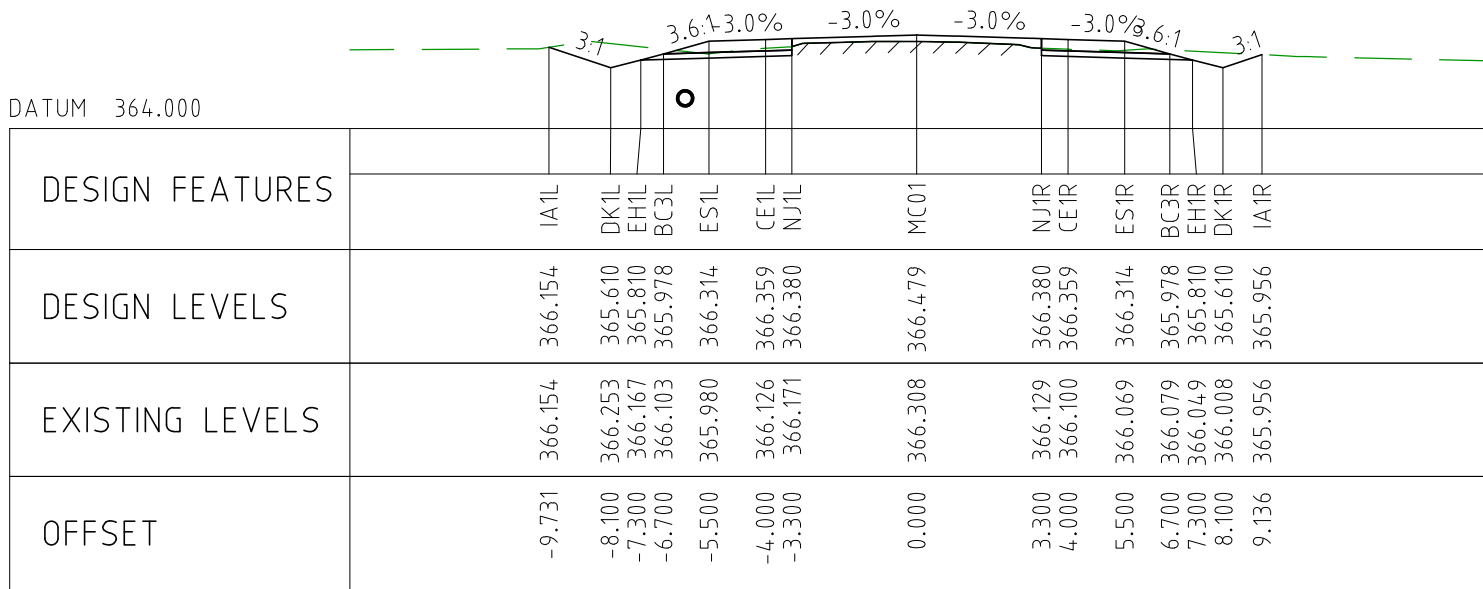
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS06.dwg					PLOT DATE 04 Nov 2022		TIME 11:53:14		CLIENT DOCUMENT No COV-M040-CI-DWG-0118								
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:200</div> <div></div>	DESIGNER <div> Member of the Surlana Jurong Group © ABN 47 065 475 149</div> SMC PROJECT No 3006493	CLIENT <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 6 OF 41		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS06	REVISION 0
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER JW										
						DRAFTING CHECK TM											
						DESIGNER TM											
						DESIGN CHECK TM											
						PROJECT MANAGER DM											
						PROJECT DIRECTOR RJ											



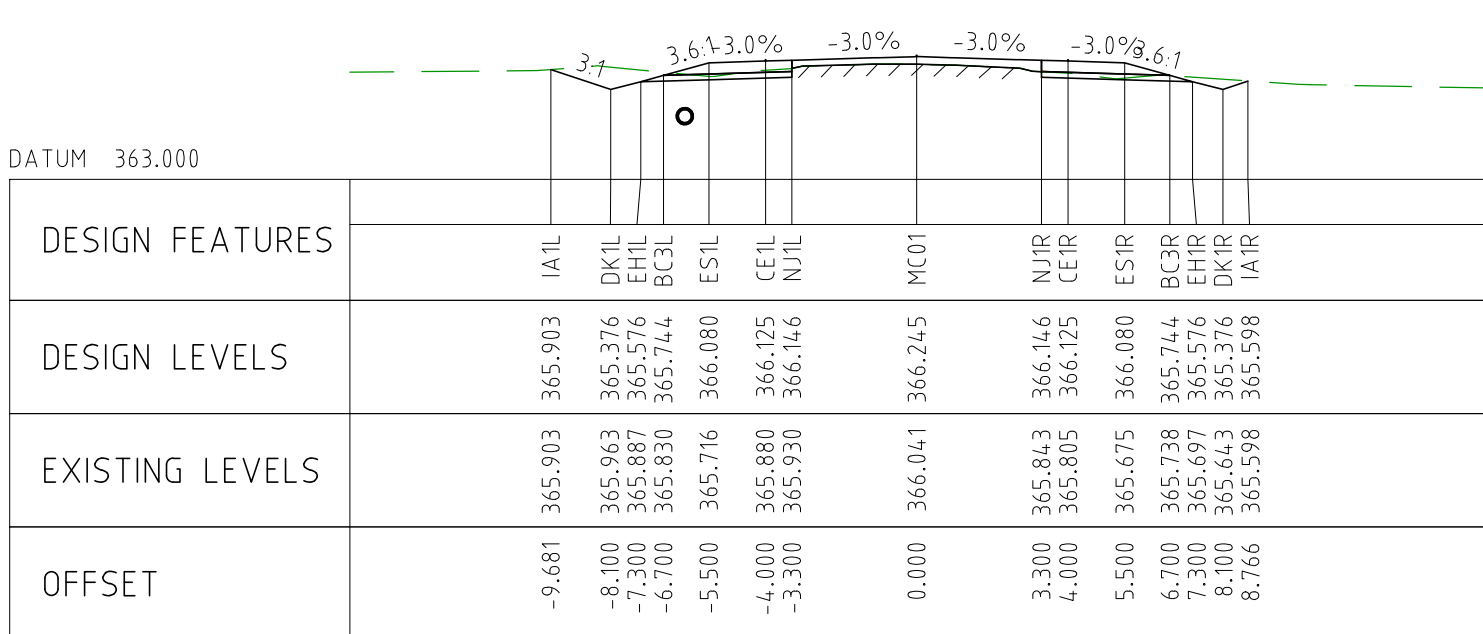
CHAINAGE 4750



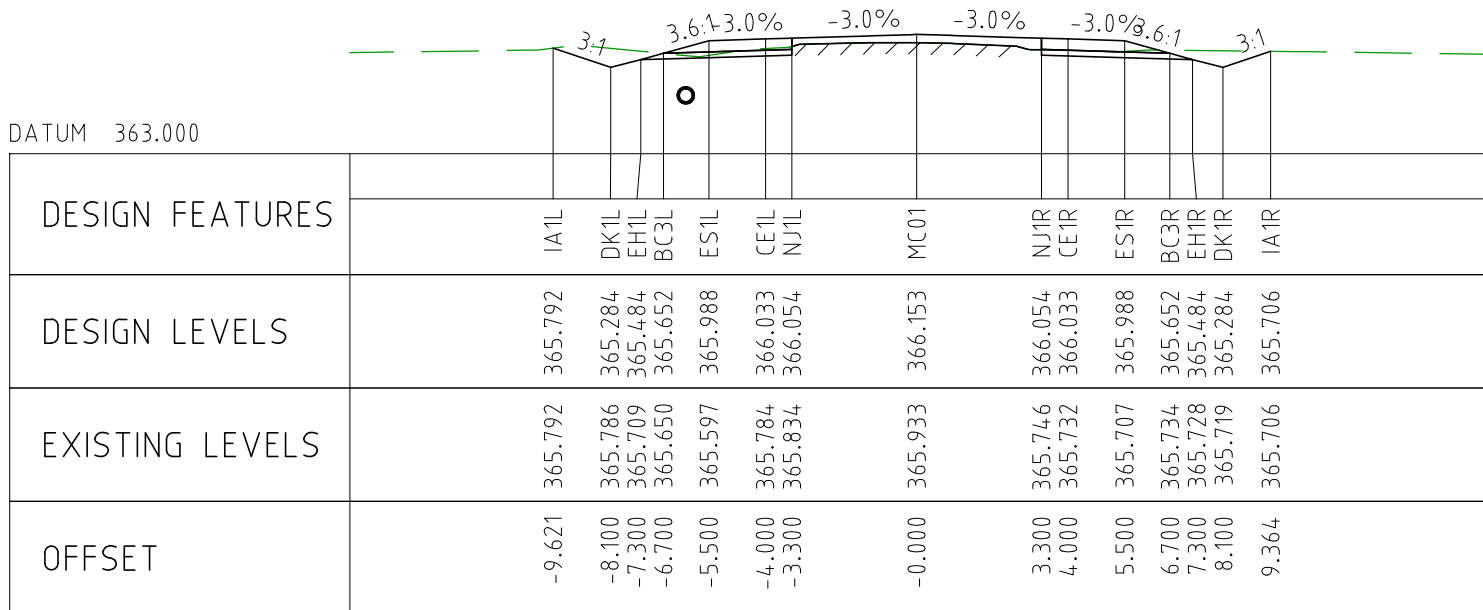
CHAINAGE 4700



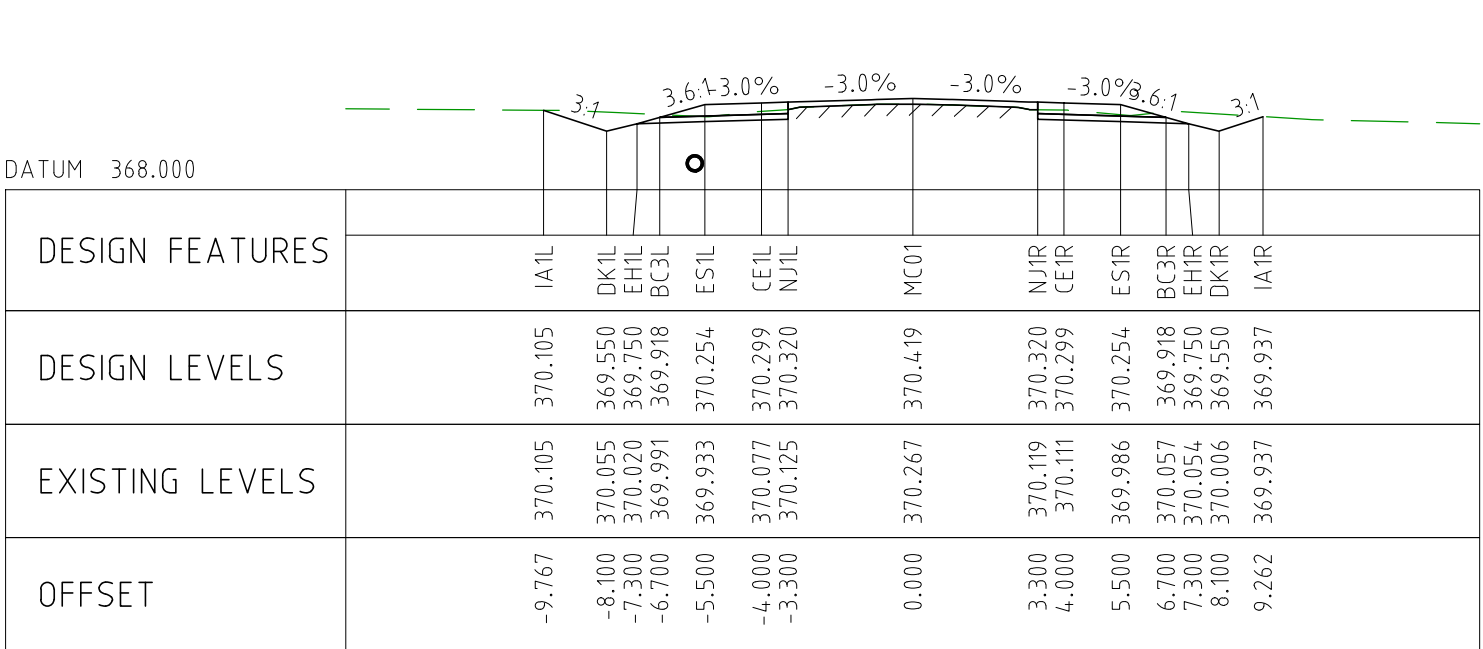
CHAINAGE 4650



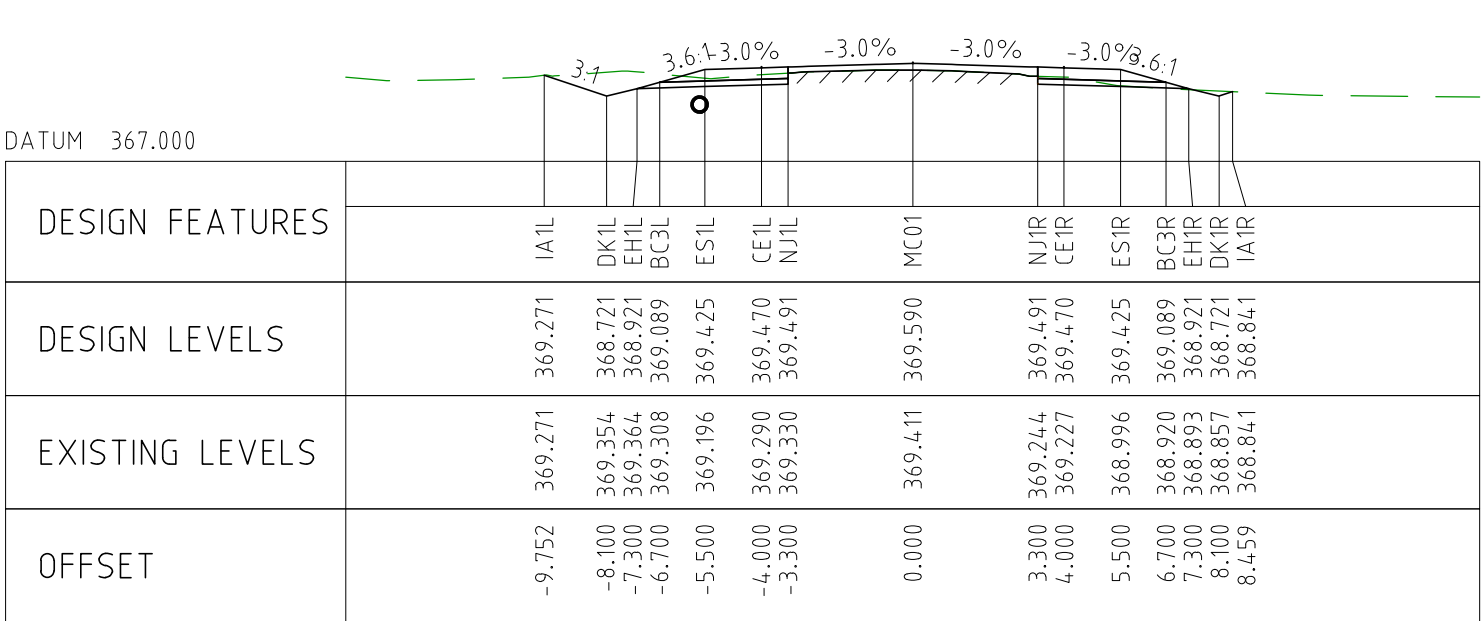
CHAINAGE 4600



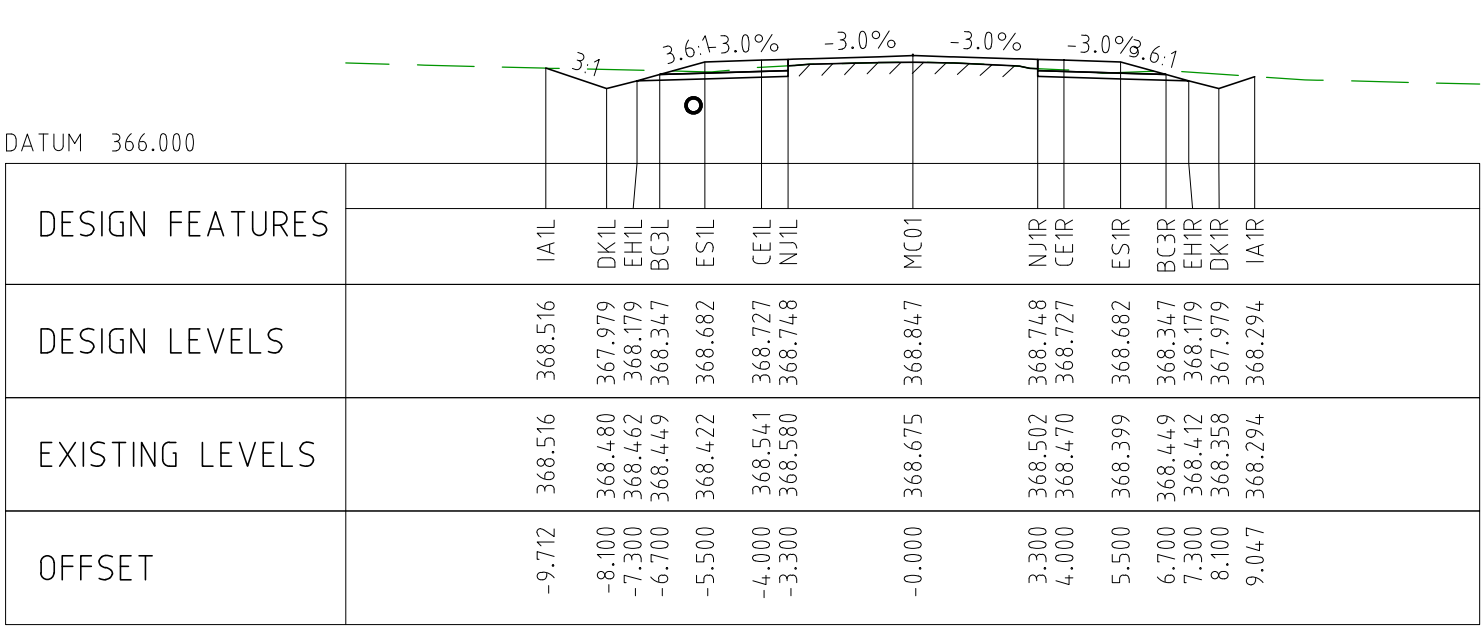
CHAINAGE 4550



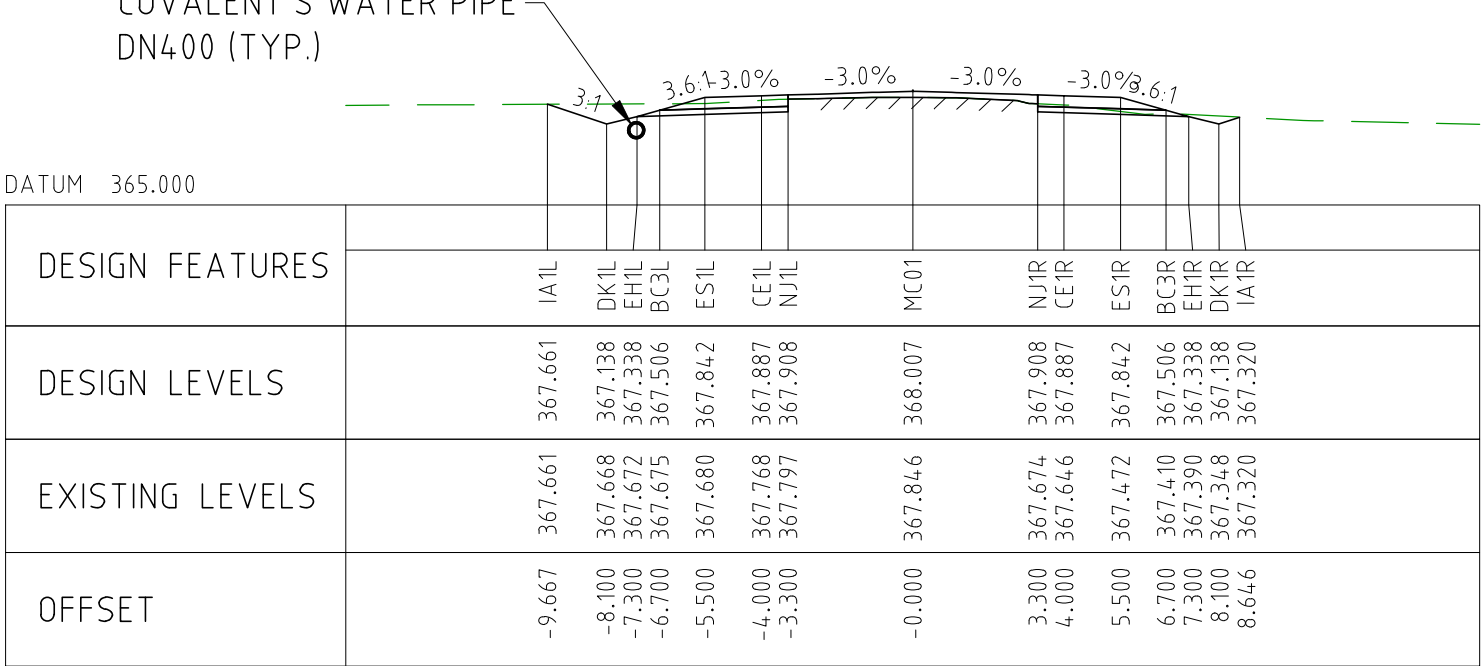
CHAINAGE 5000



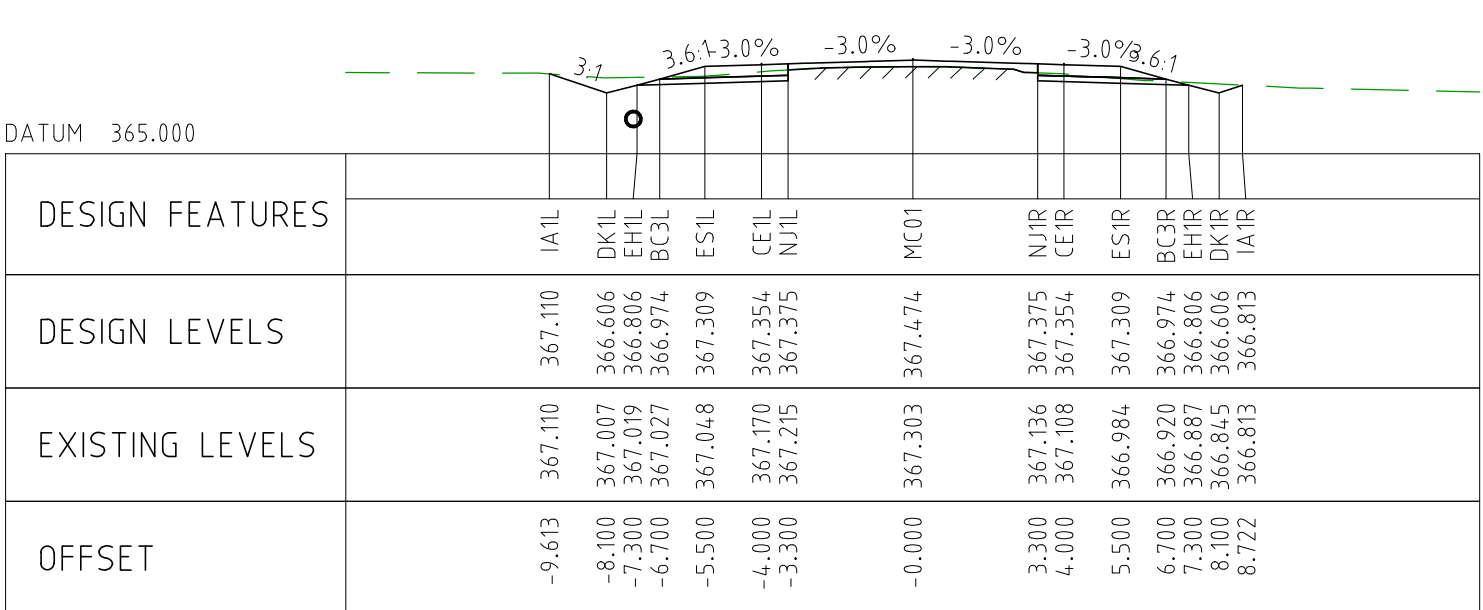
CHAINAGE 4950



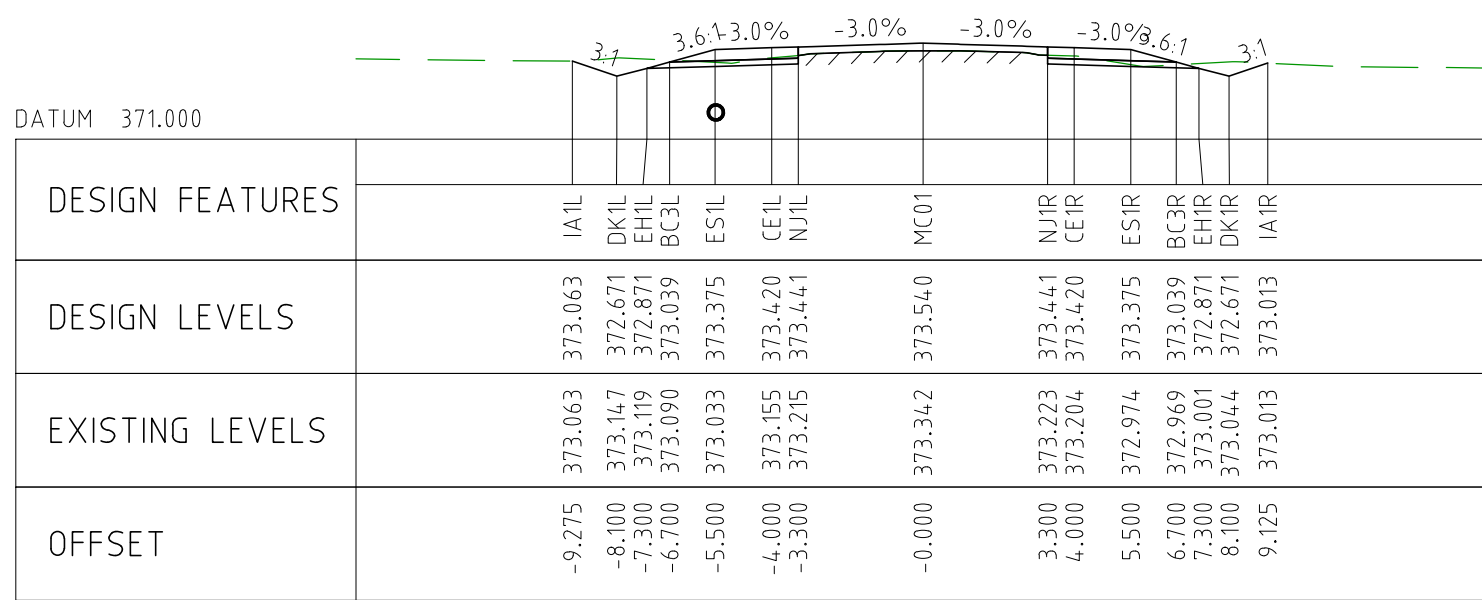
CHAINAGE 4900



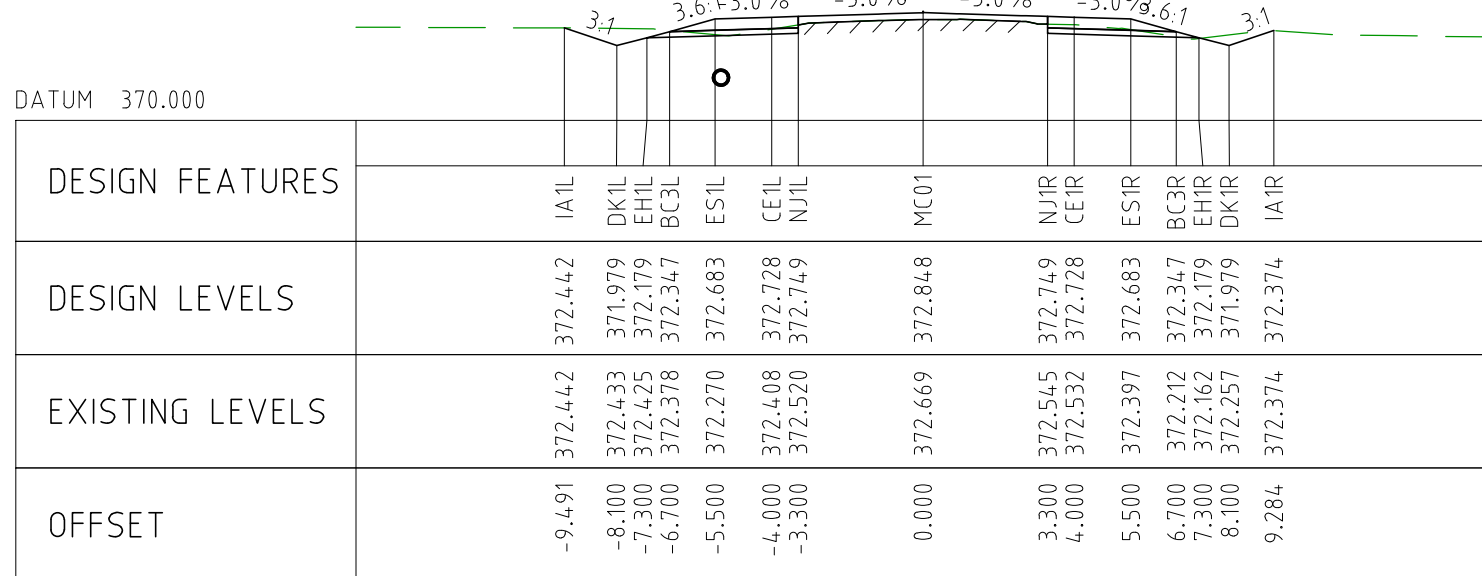
CHAINAGE 4850



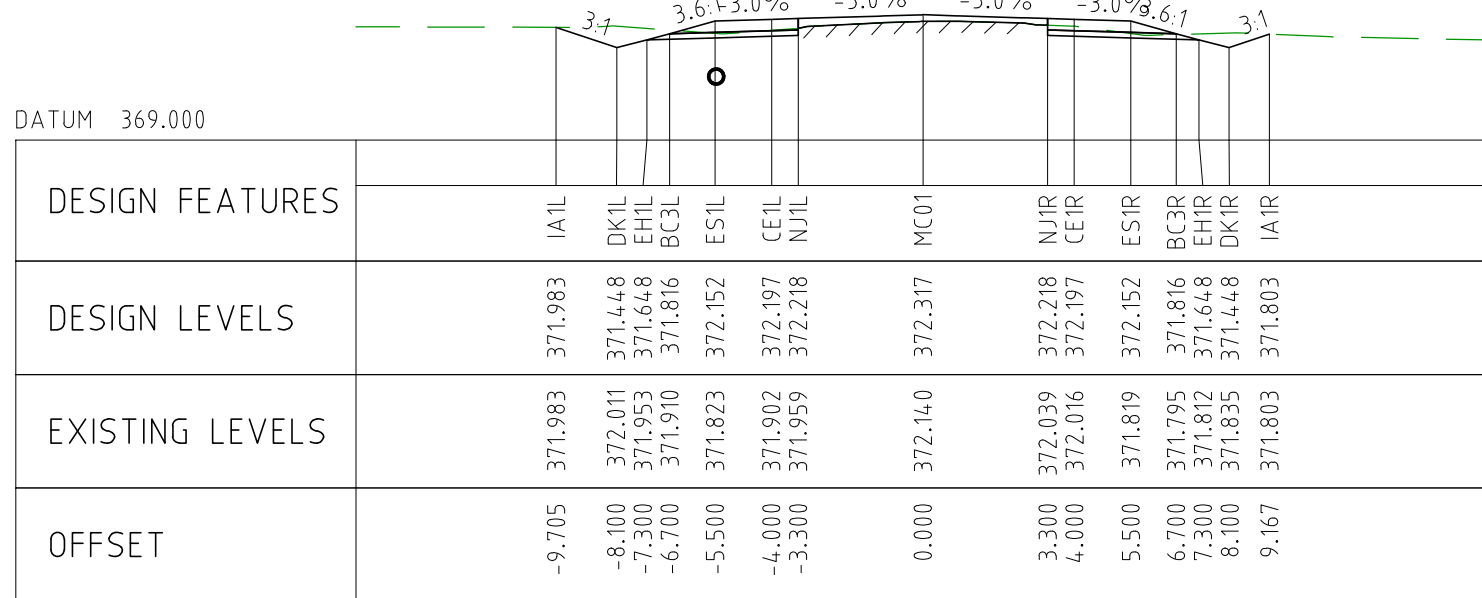
CHAINAGE 4800



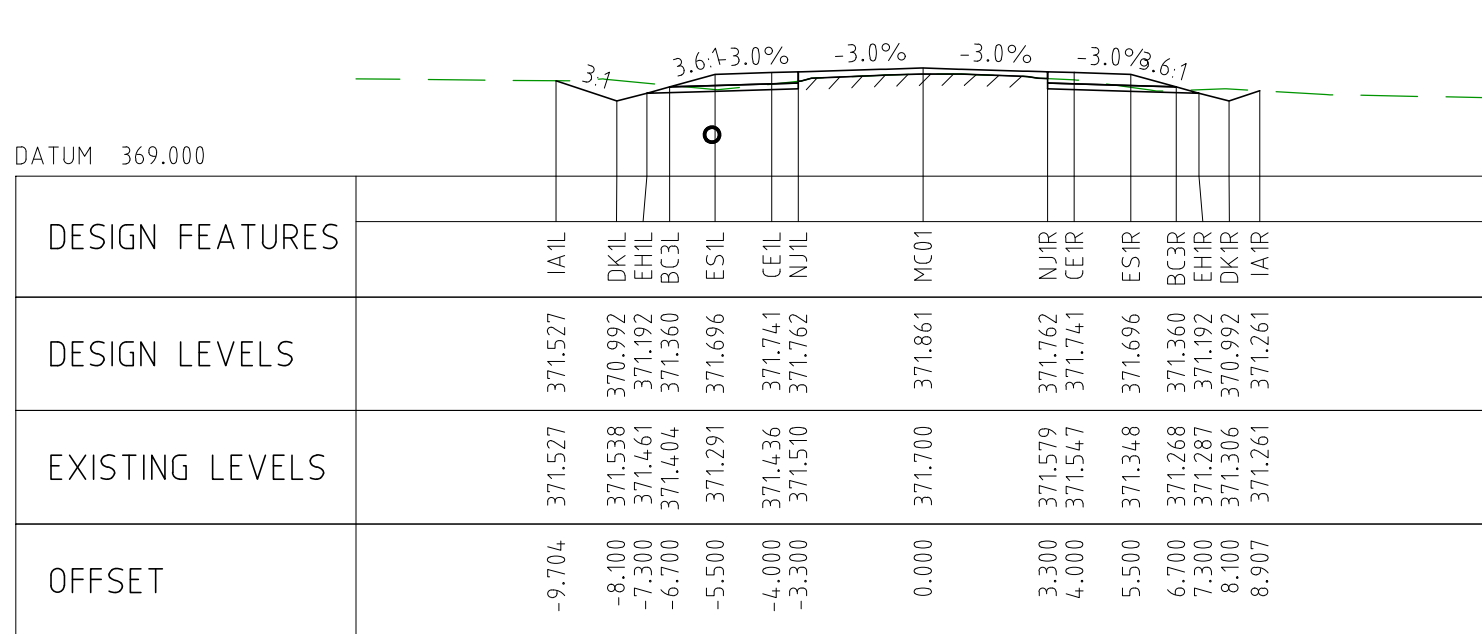
CHAINAGE 5250



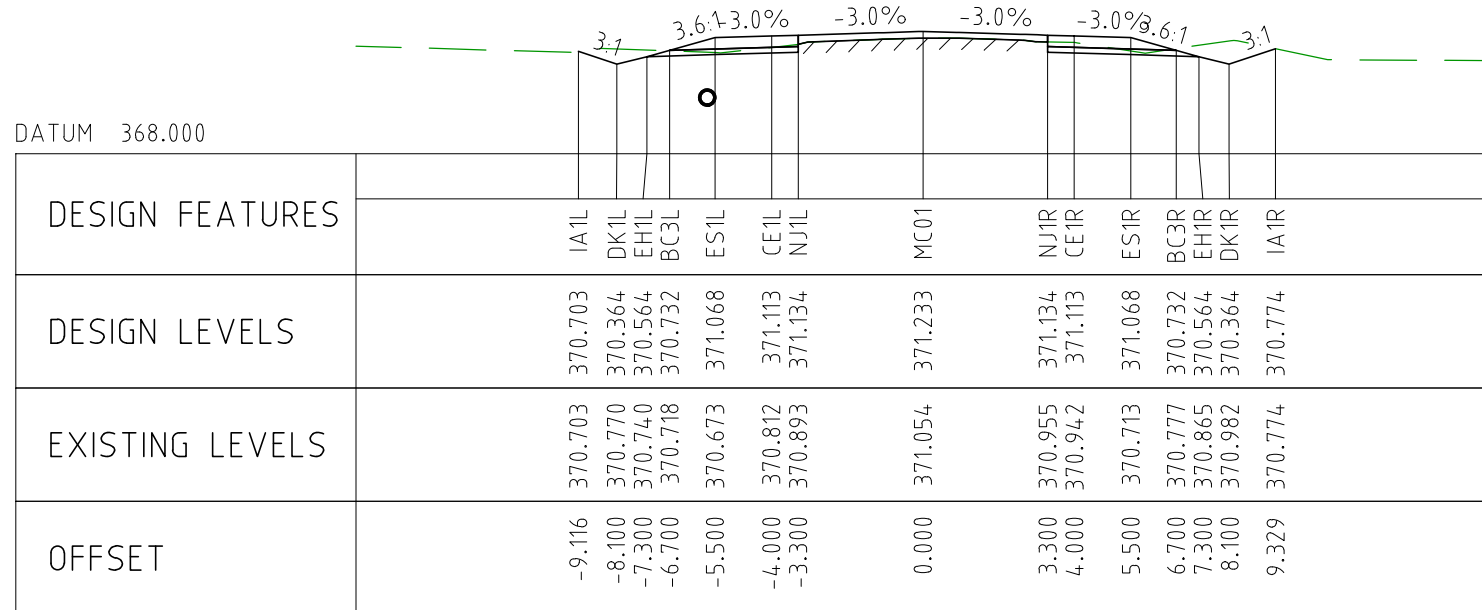
CHAINAGE 5200



CHAINAGE 5150





CHAINAGE 5100

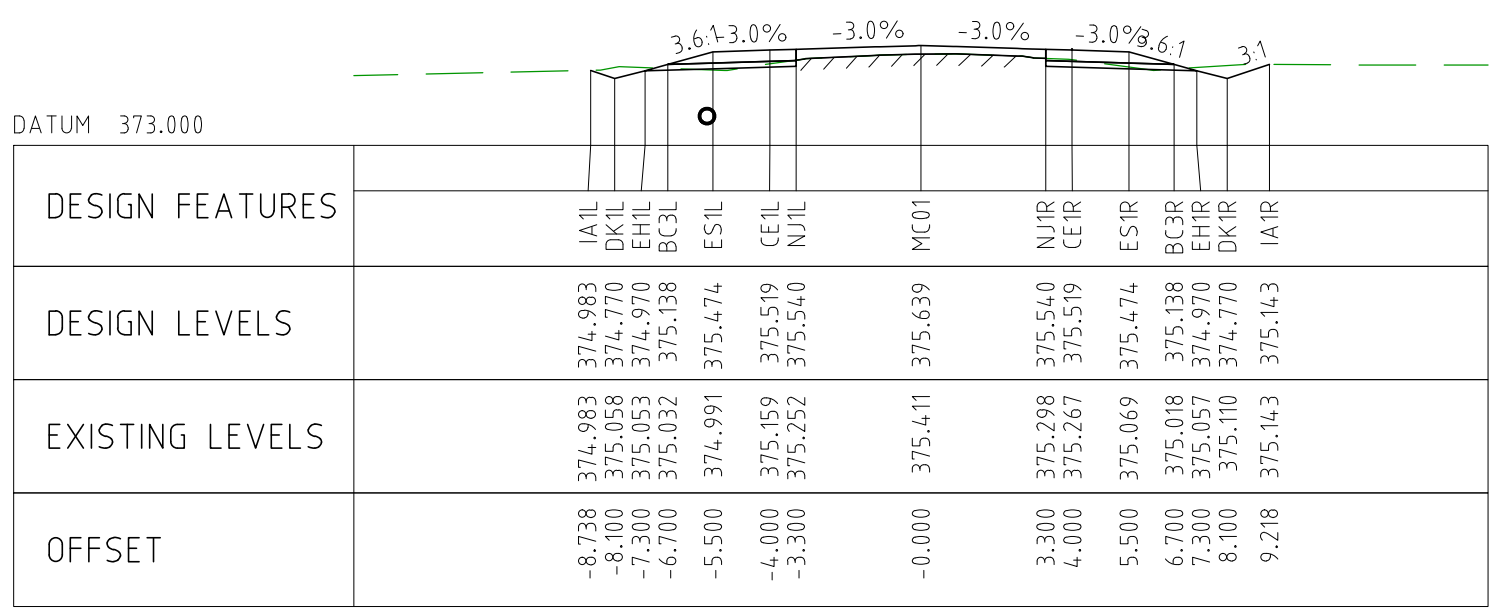


CHAINAGE 5050

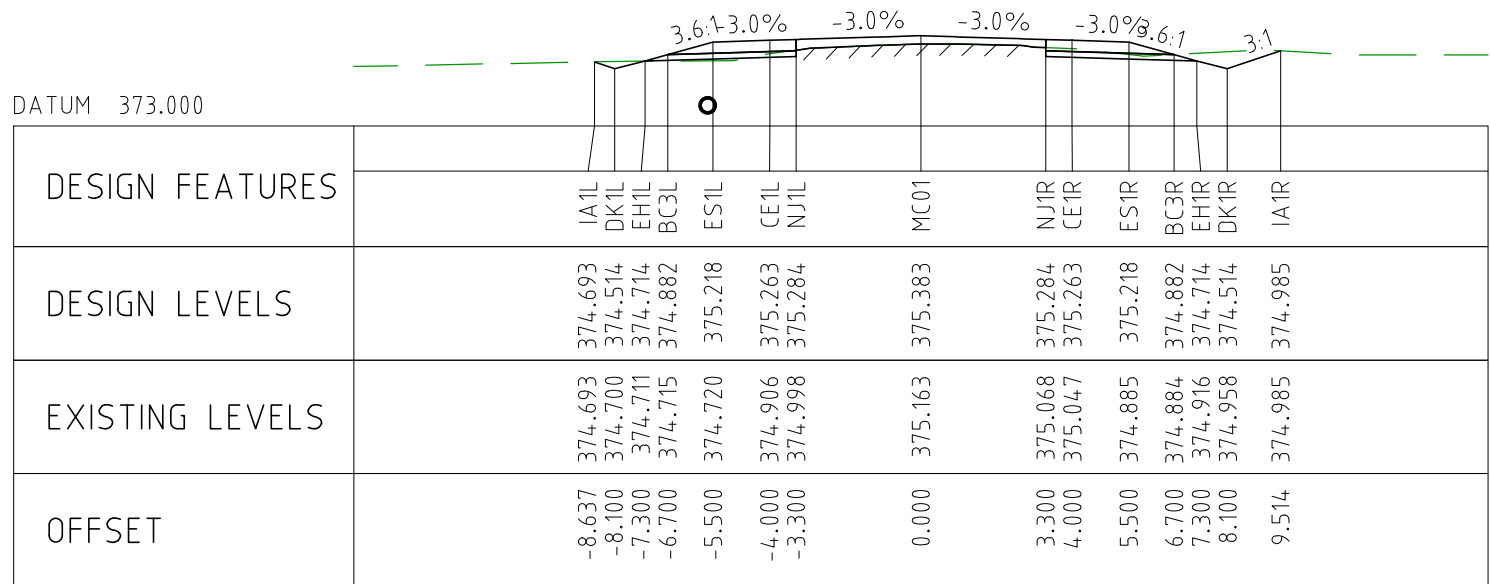
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

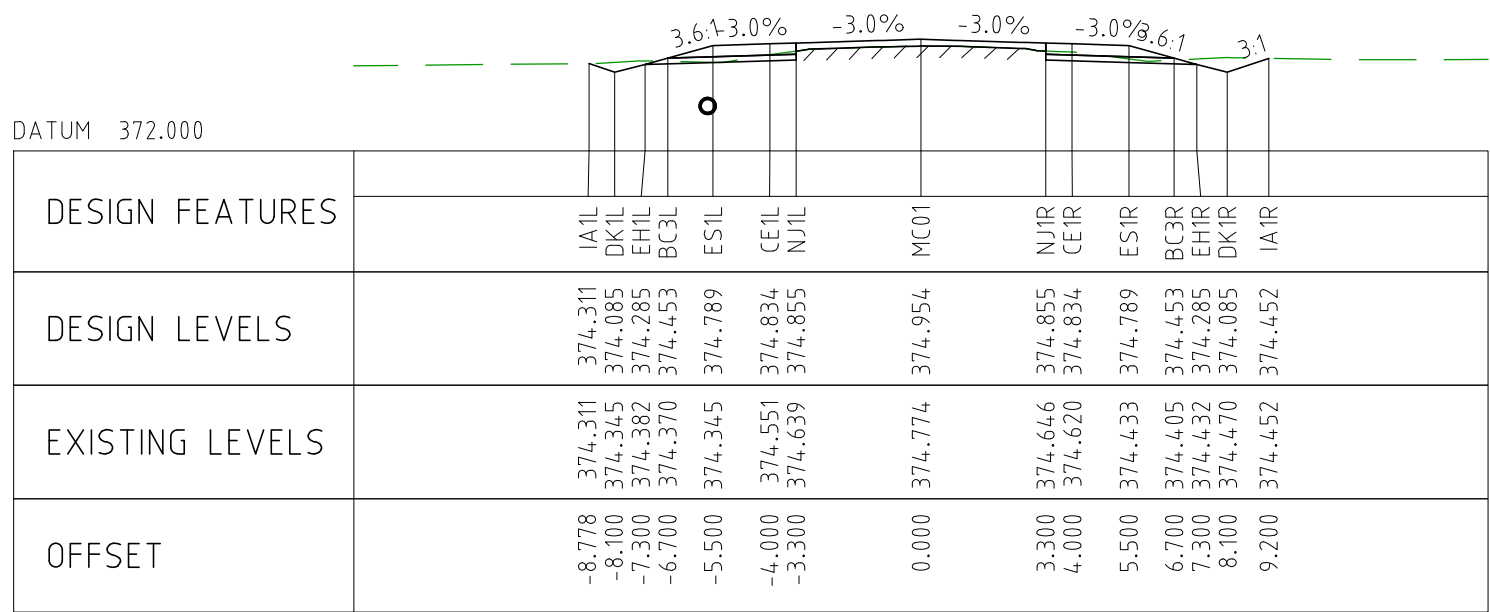
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS07.dwg					PLOT DATE 04 Nov 2022		TIME 11:53:49		CLIENT DOCUMENT No COV-M040-CI-DWG-0119							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>20</div></div>	<div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div>		<div> covalent LITHIUM</div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 7 OF 41			
							DRAFTING CHECK	TM								
							DESIGNER	TM								
							DESIGN CHECK	TM								
							PROJECT MANAGER	DM								
						PROJECT DIRECTOR	RI		SMC PROJECT No 3006493				SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS07	REVISION 0



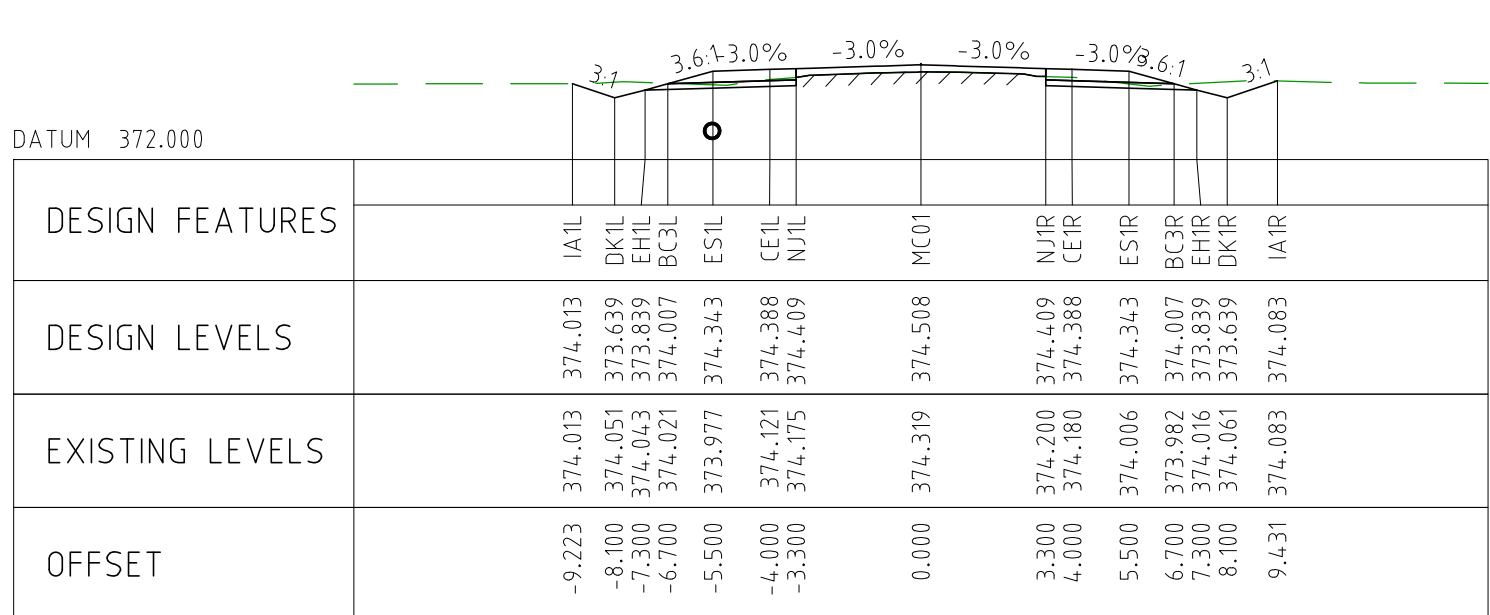
CHAINAGE 5500



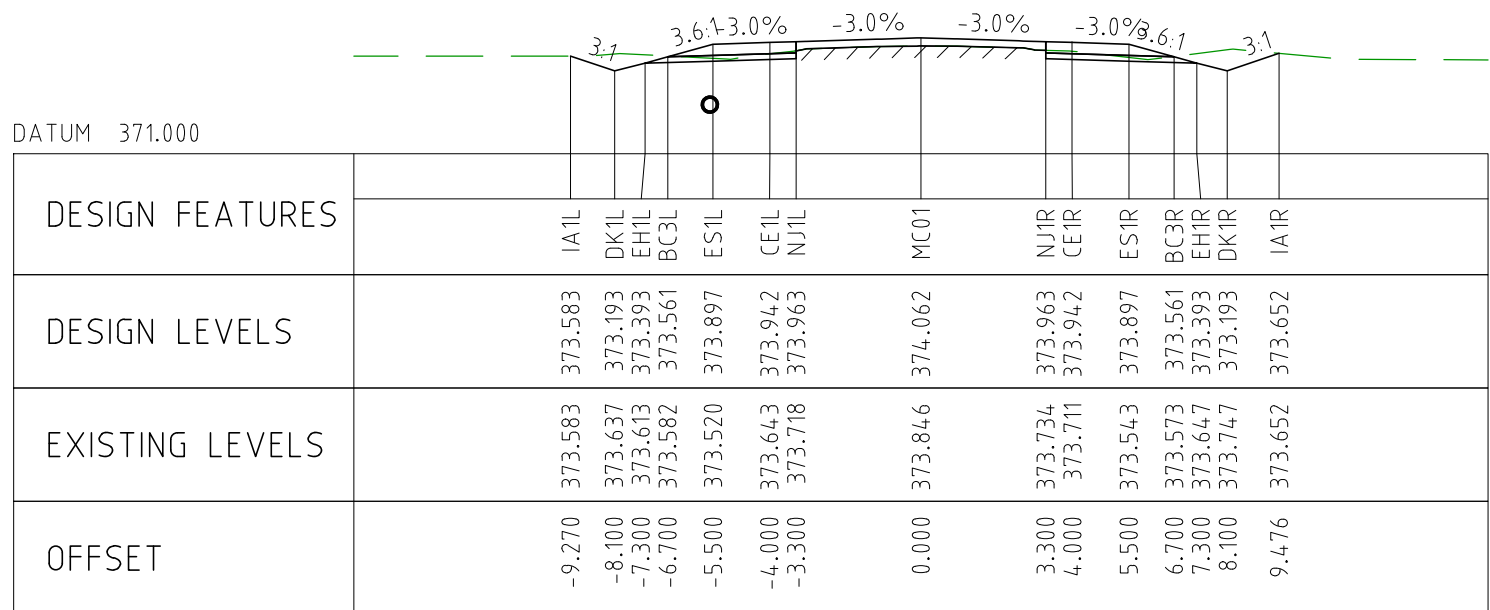
CHAINAGE 5450



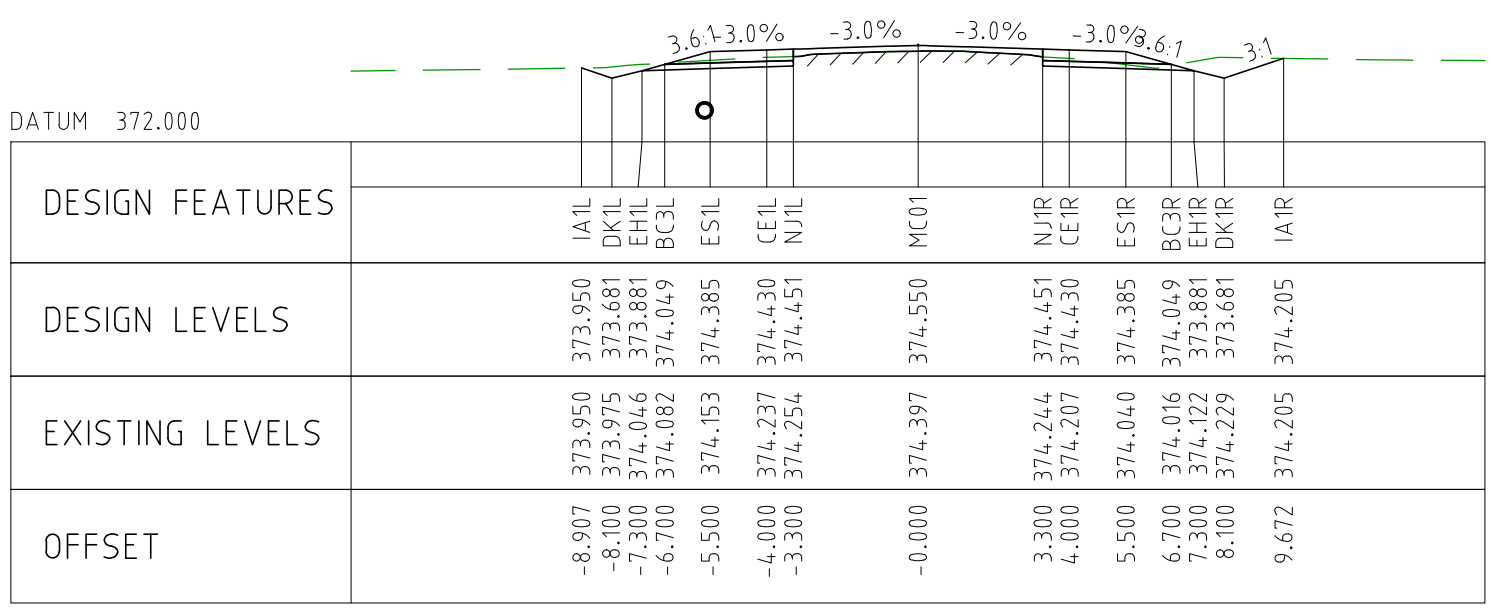
CHAINAGE 5400



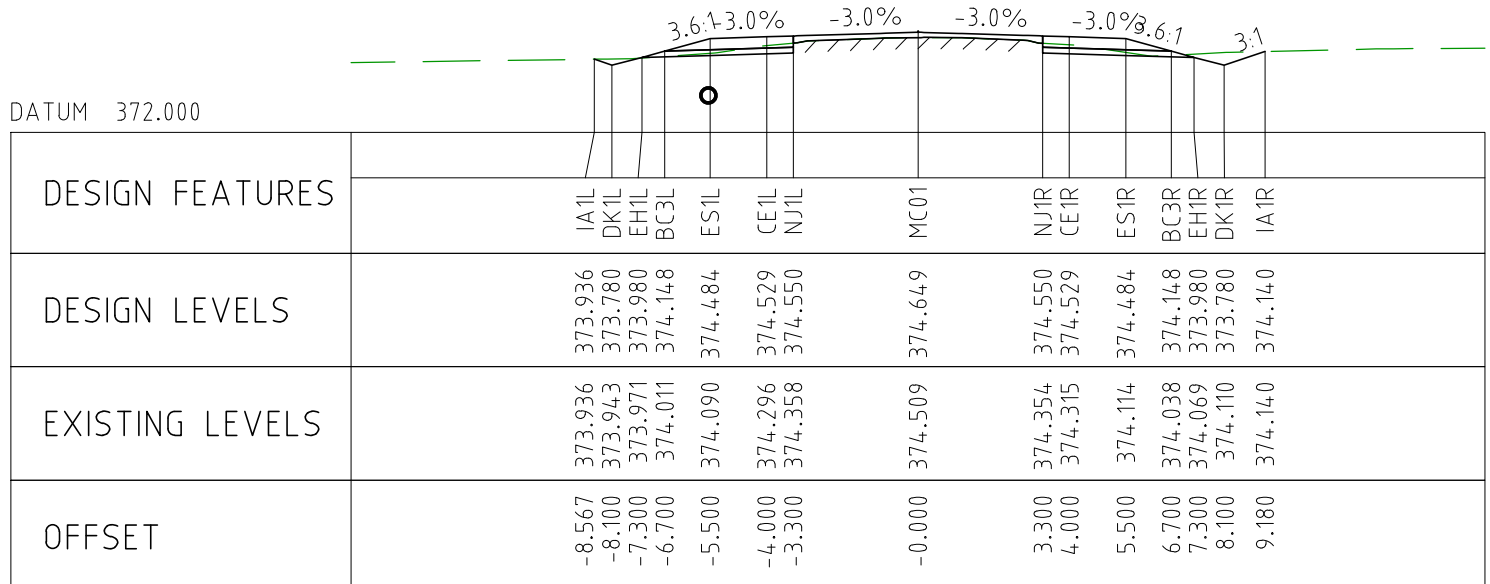
CHAINAGE 5350



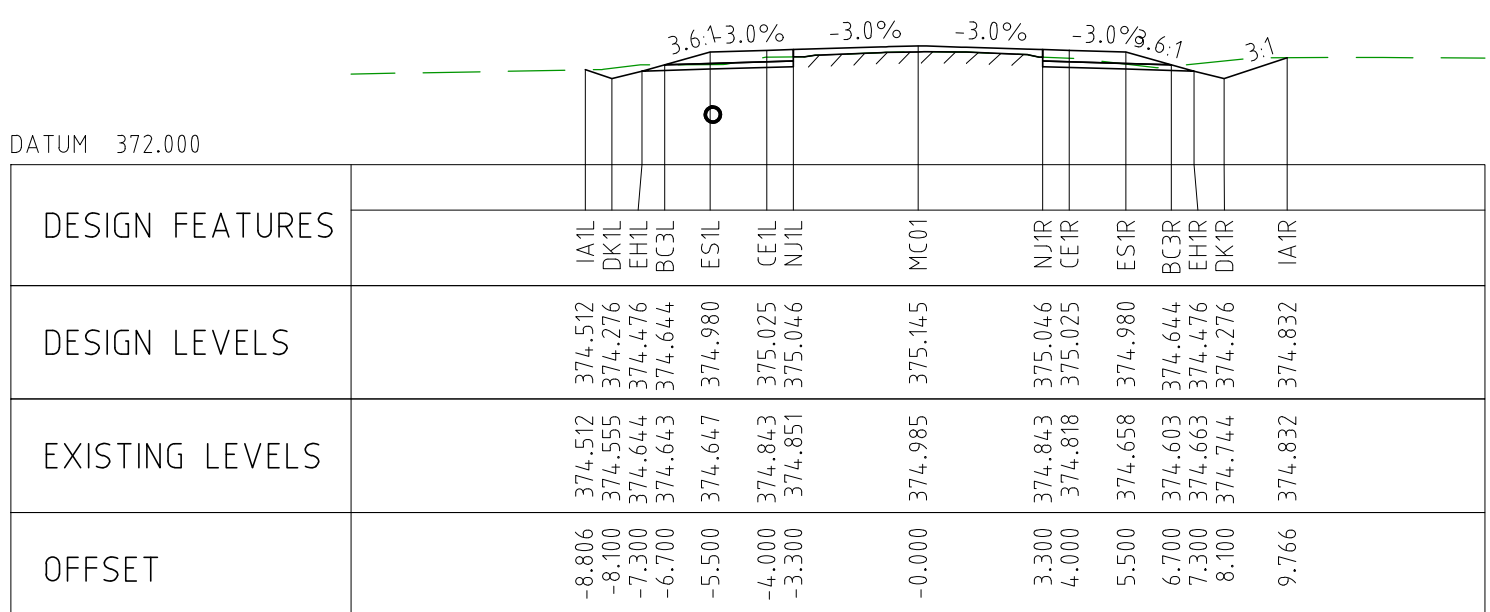
CHAINAGE 5300



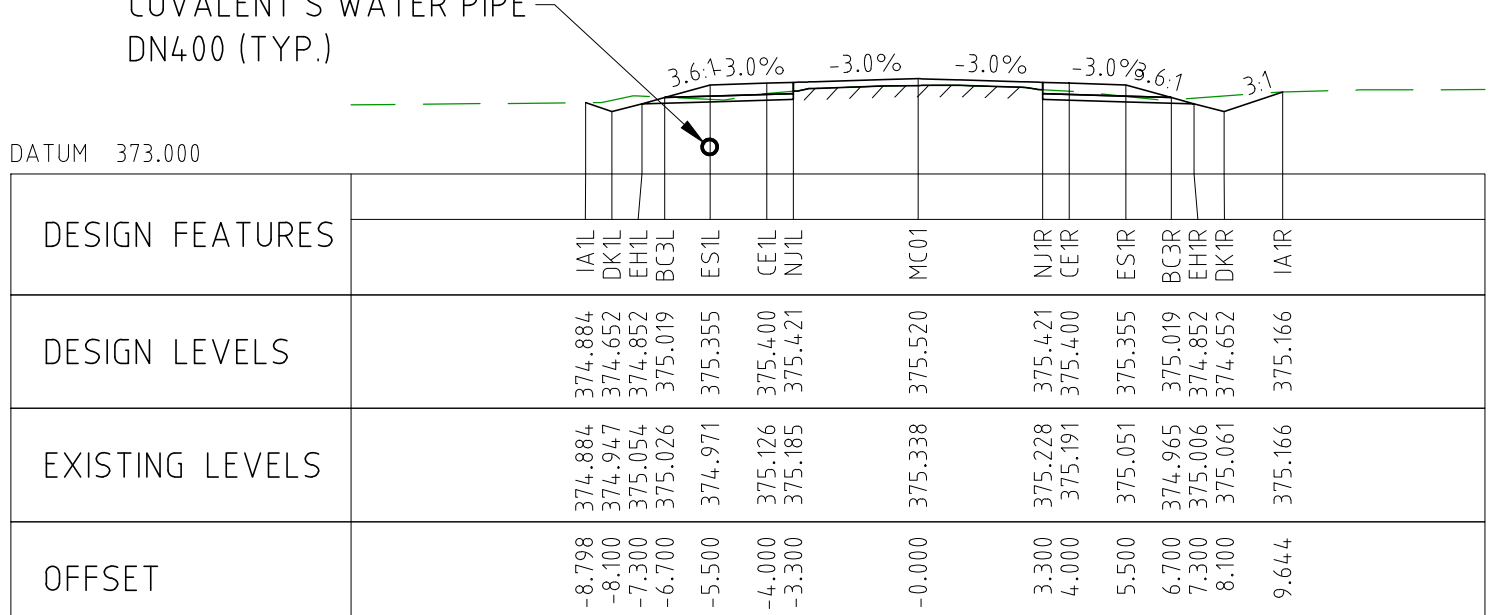
CHAINAGE 5750



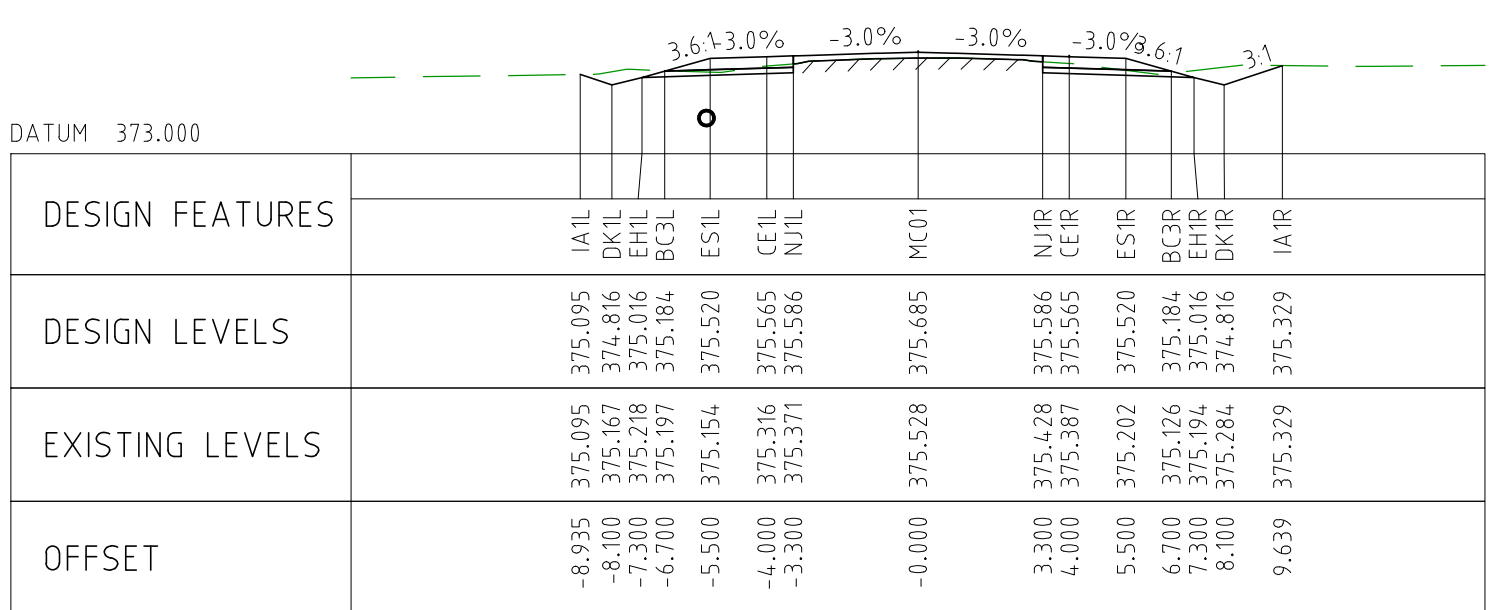
CHAINAGE 5700



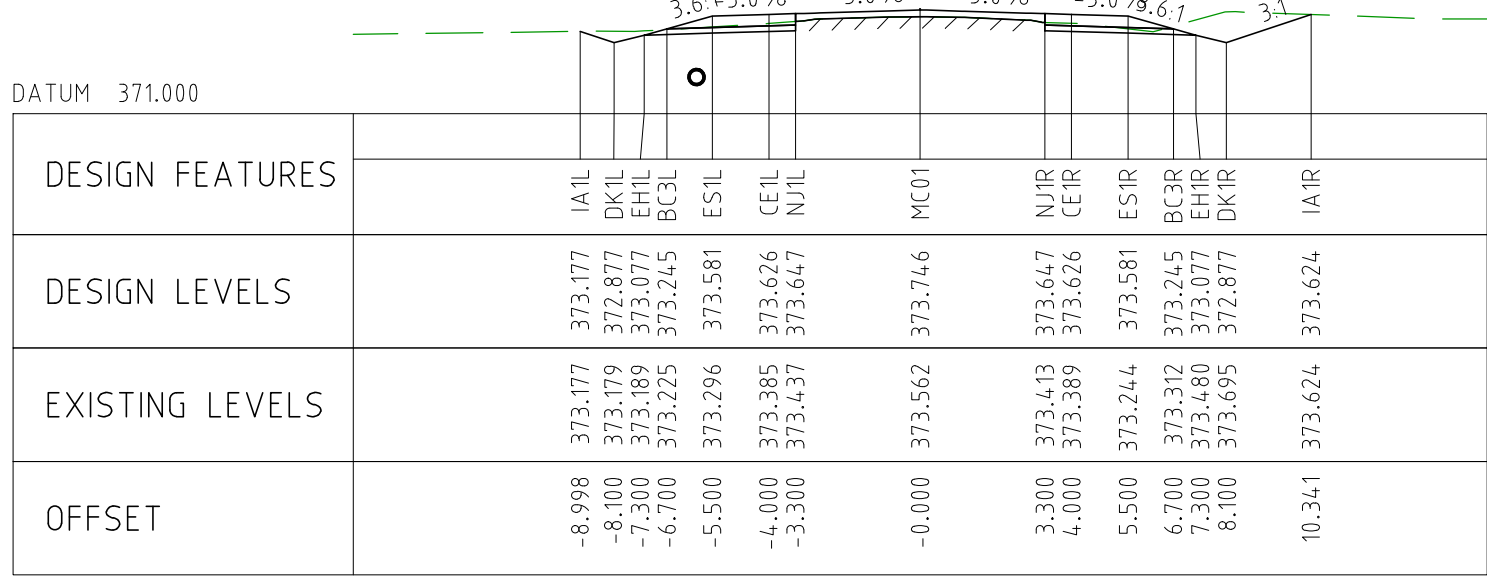
CHAINAGE 5650



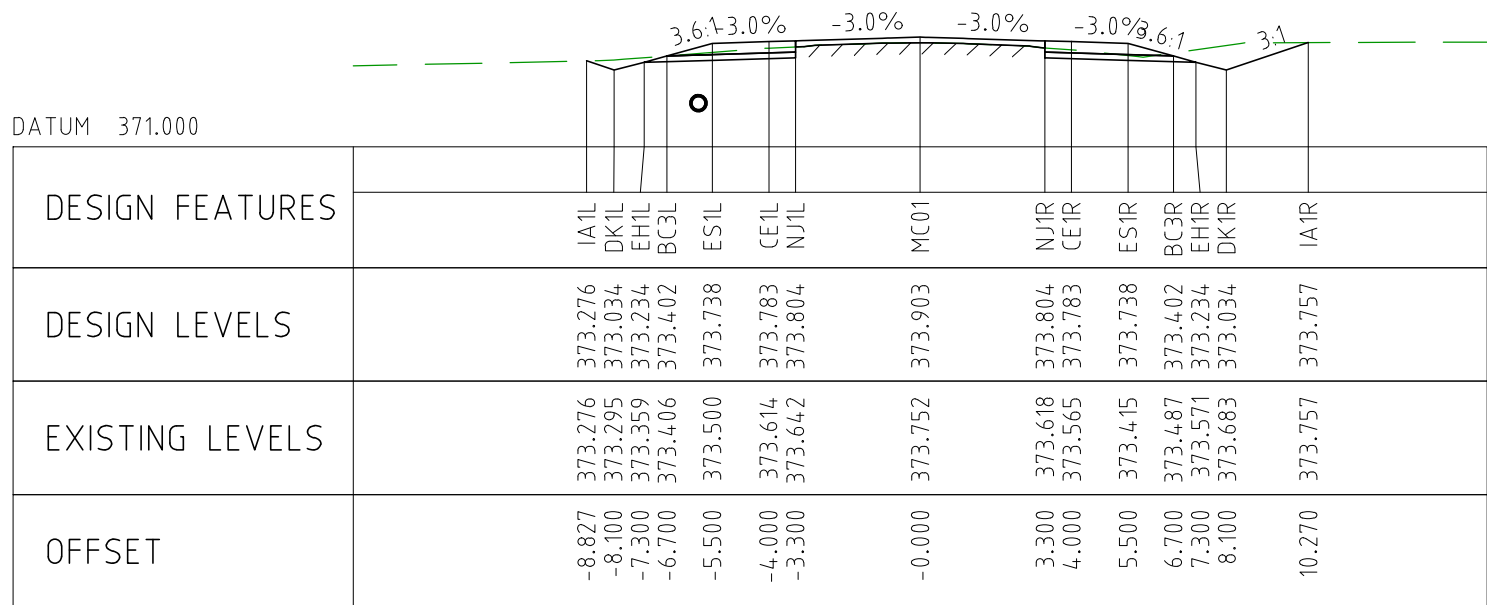
CHAINAGE 5600



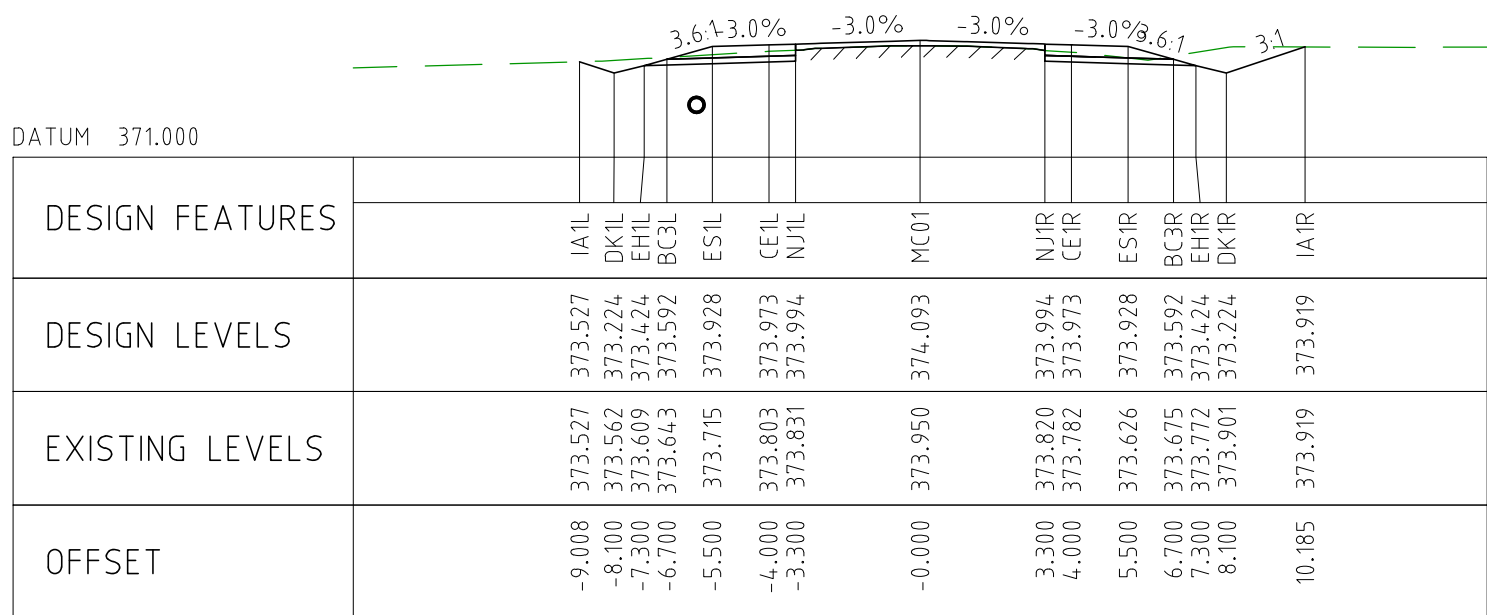
CHAINAGE 5550



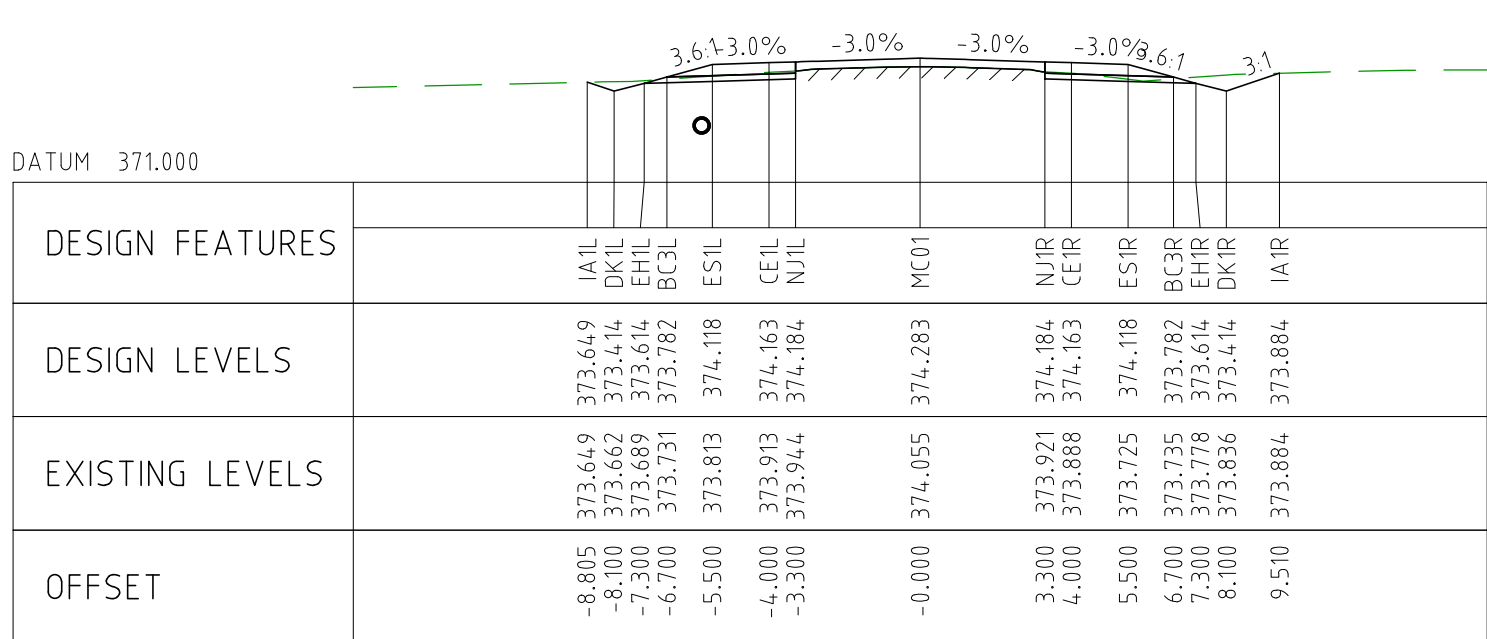
CHAINAGE 6000



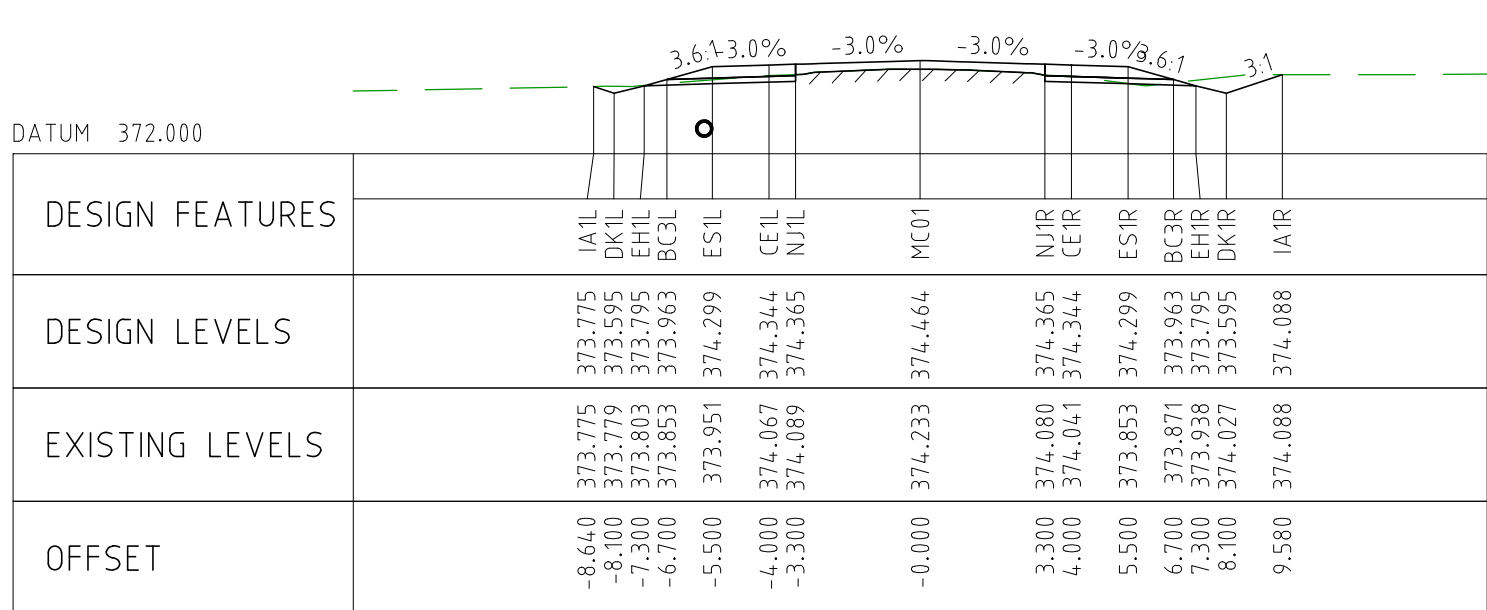
CHAINAGE 5950



CHAINAGE 5900






CHAINAGE 5850

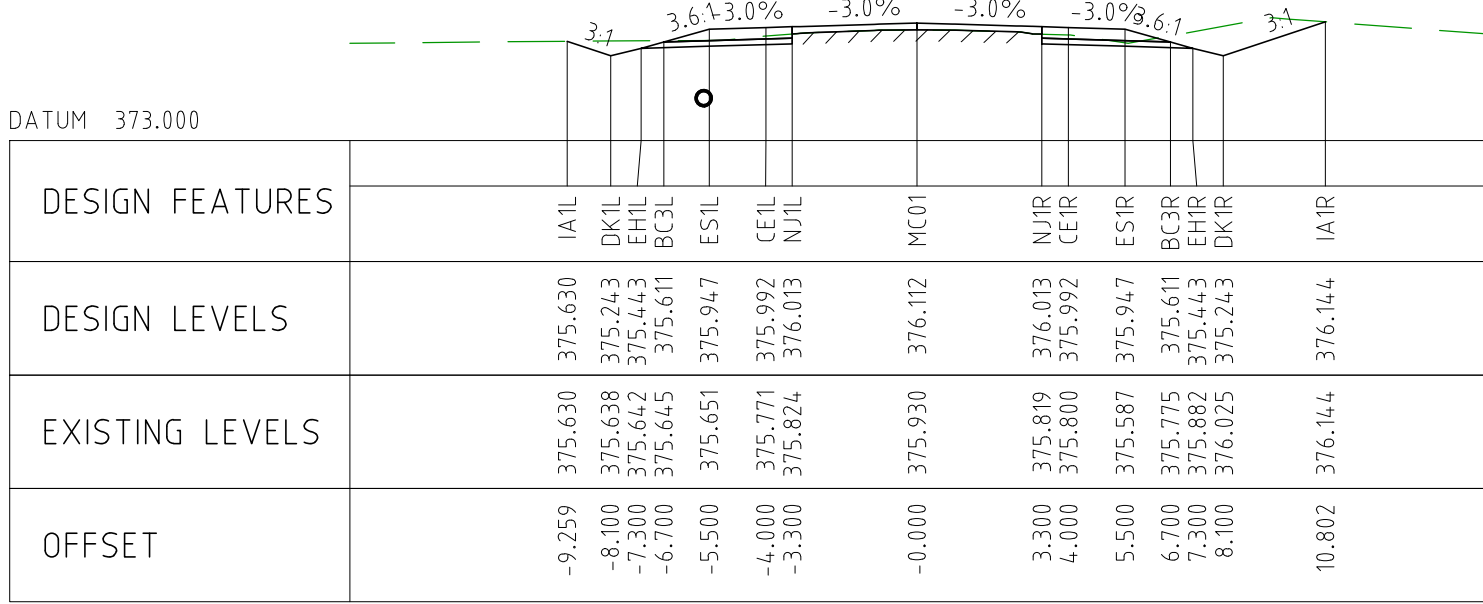


CHAINAGE 5800

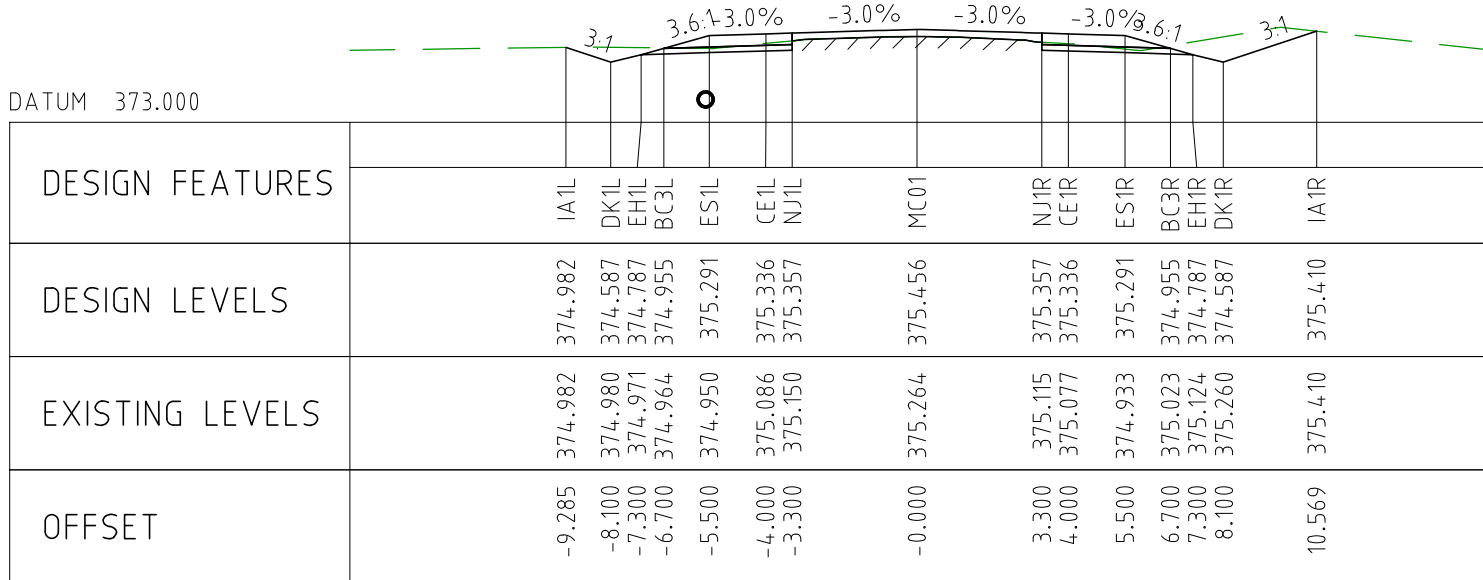
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

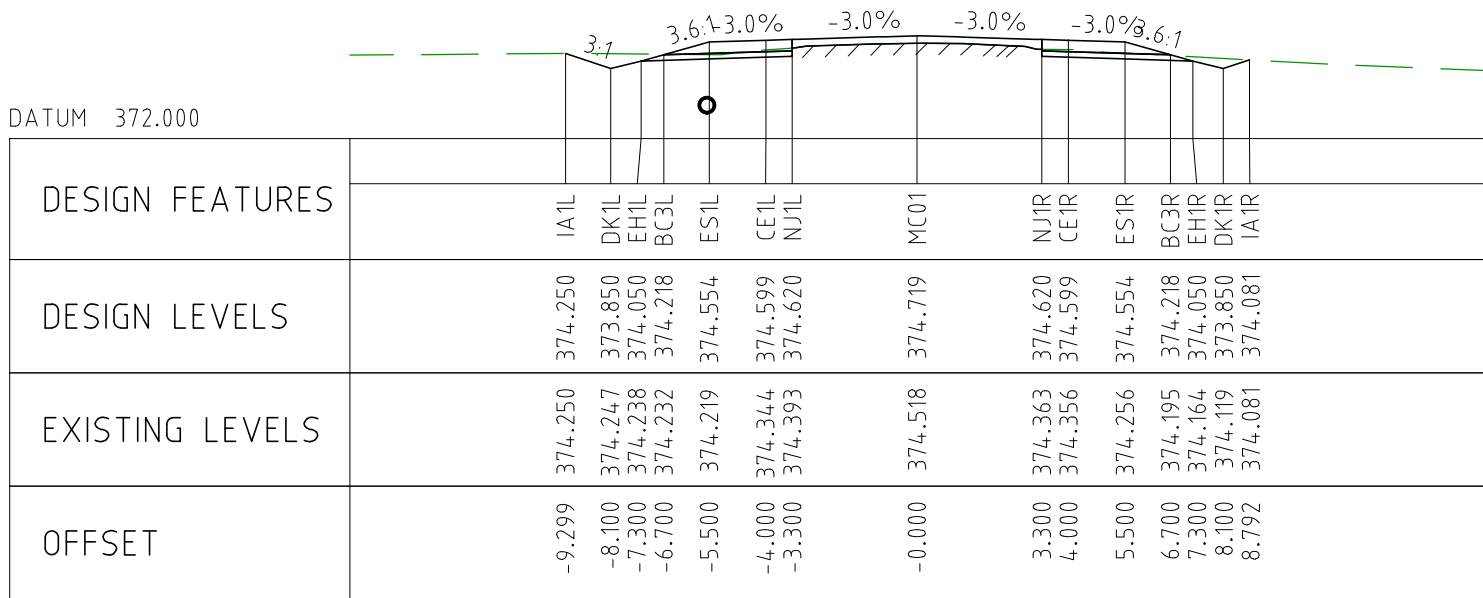
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS08.dwg				PLOT DATE 04 Nov 2022		TIME 11:54:29		CLIENT DOCUMENT No COV-M040-CI-DWG-0120							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	SCALE 1:200 	 Member of the Surlana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 8 OF 41			
												SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS08	REVISION 0



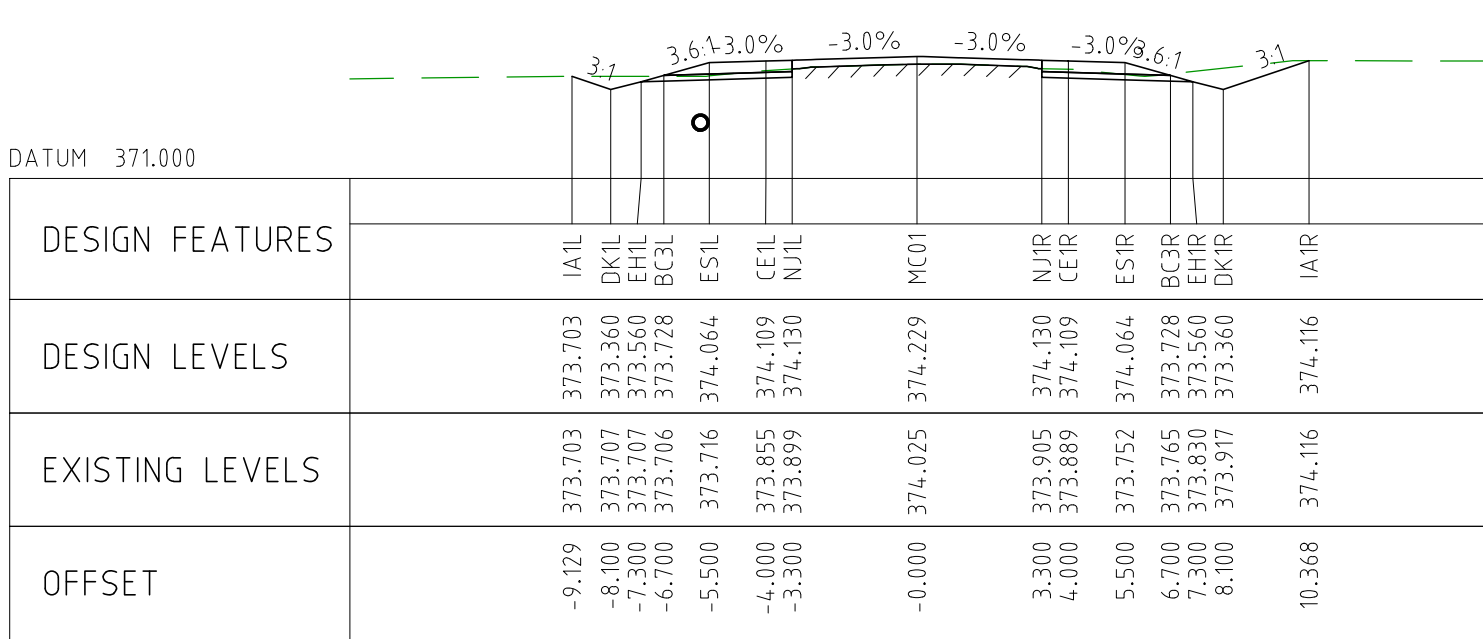
CHAINAGE 6250



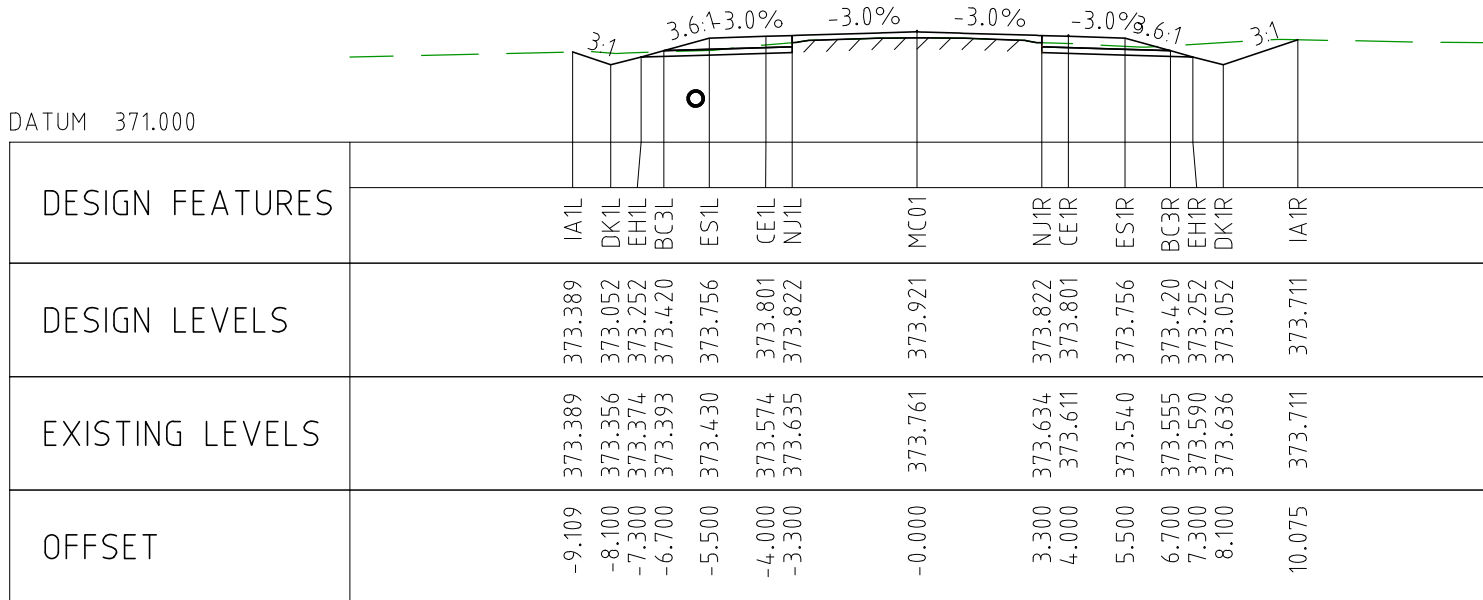
CHAINAGE 6200



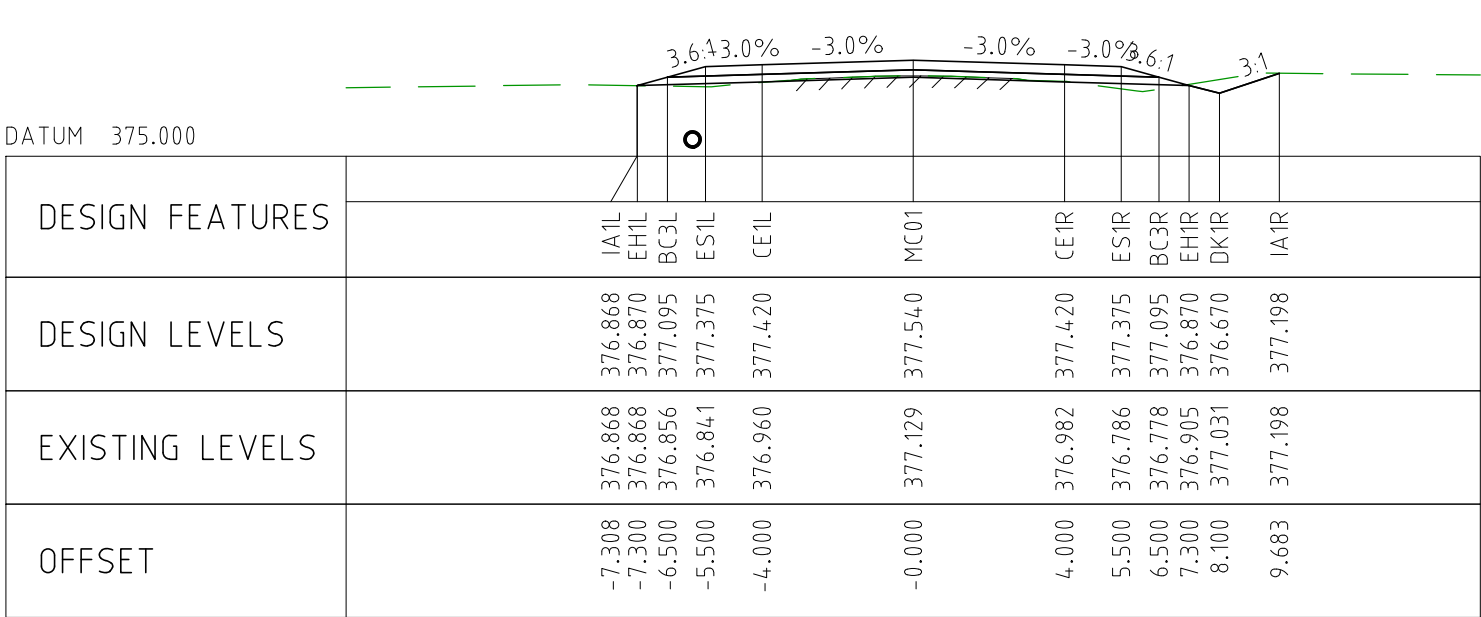
CHAINAGE 6150



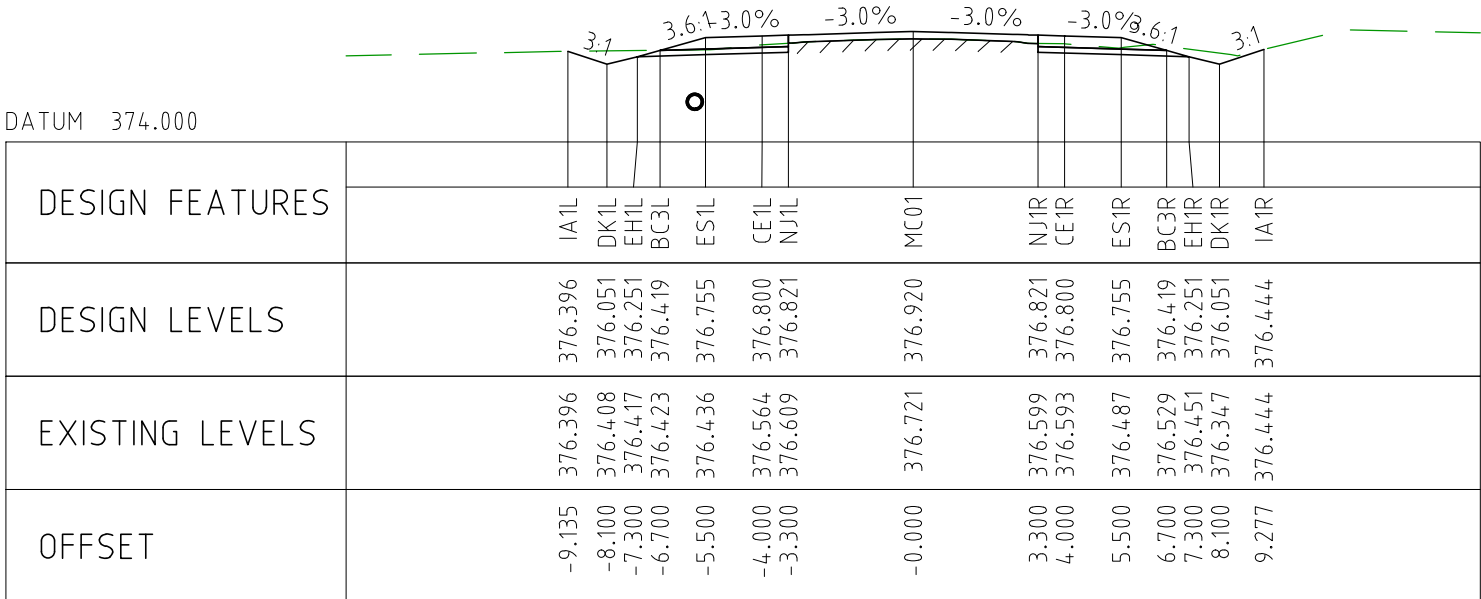
CHAINAGE 6100



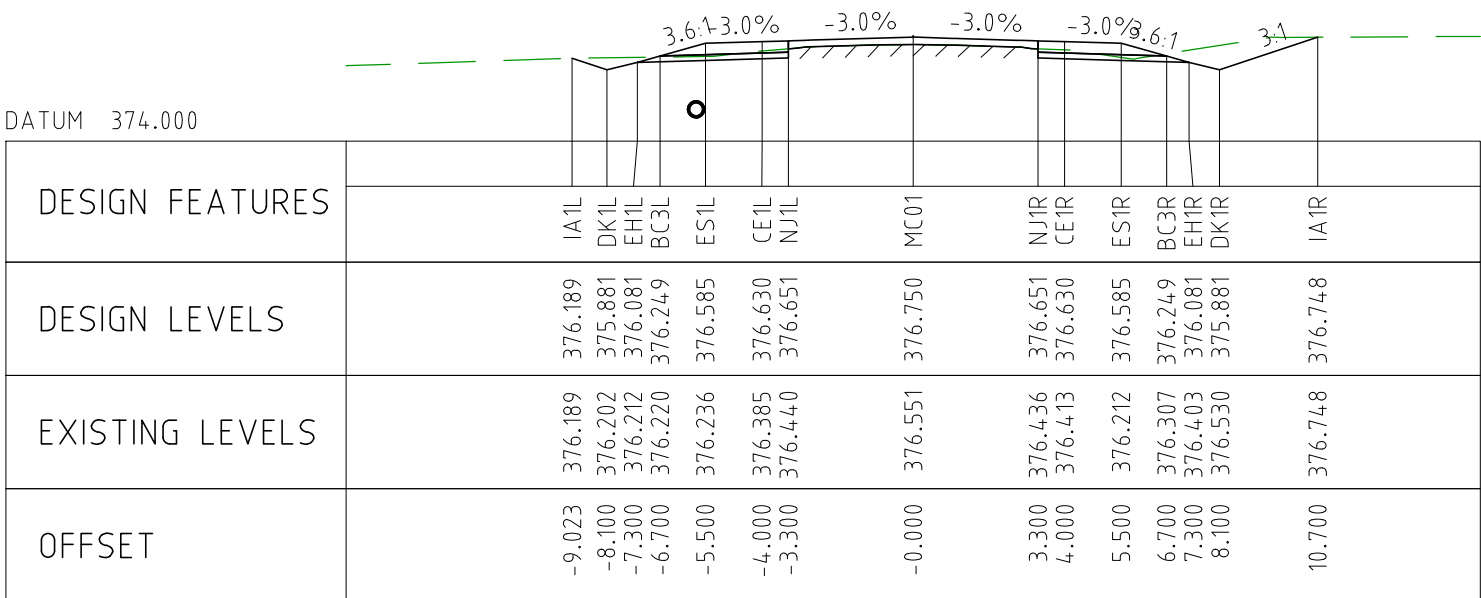
CHAINAGE 6050



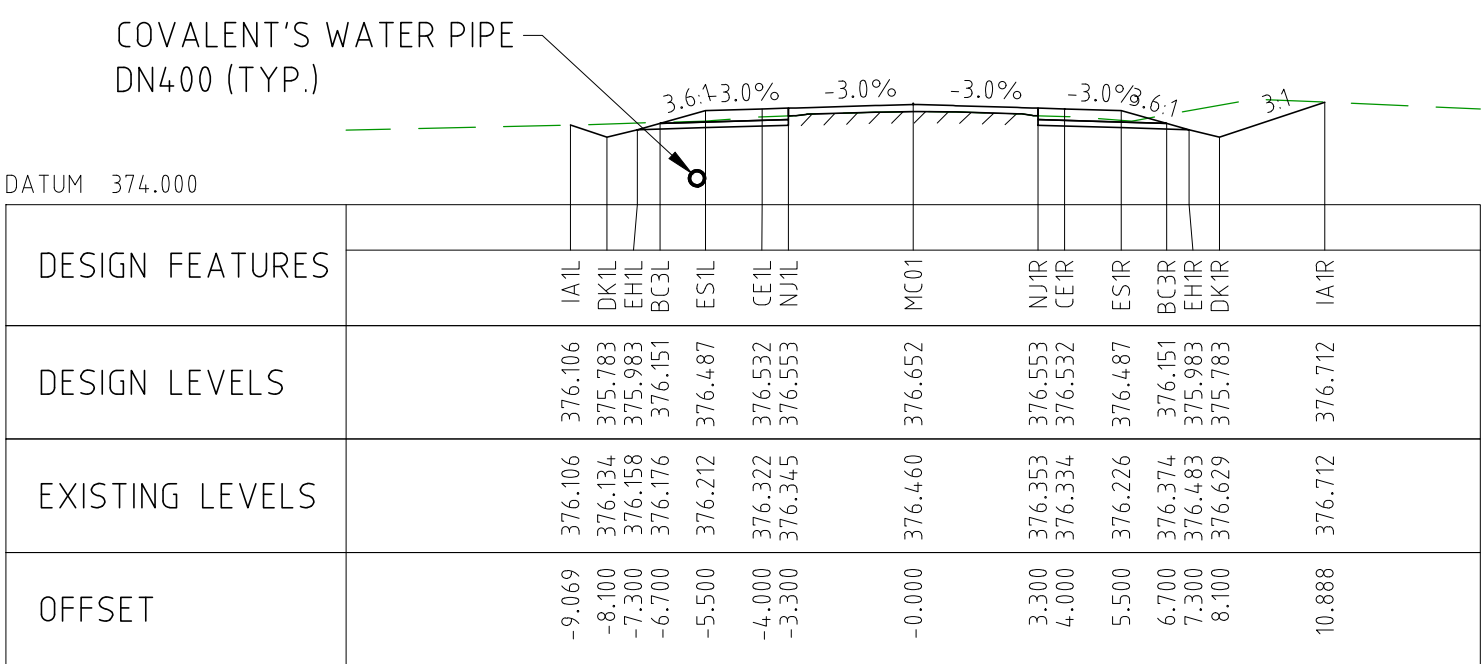
CHAINAGE 6500



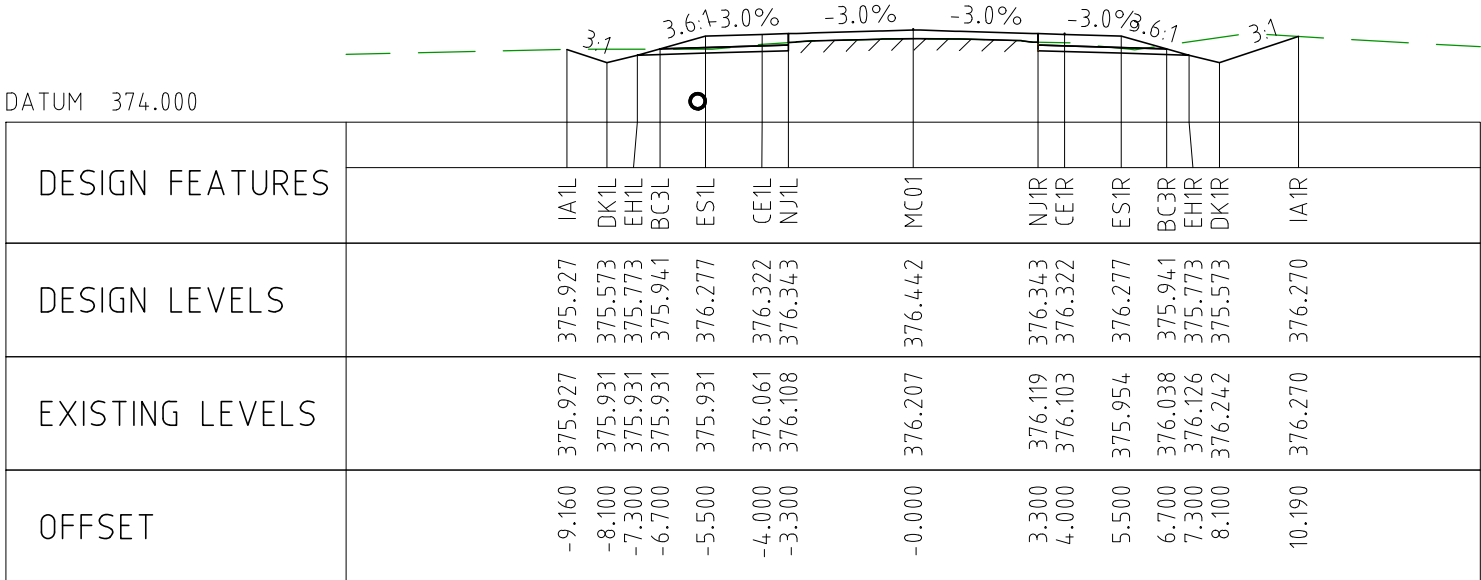
CHAINAGE 6450



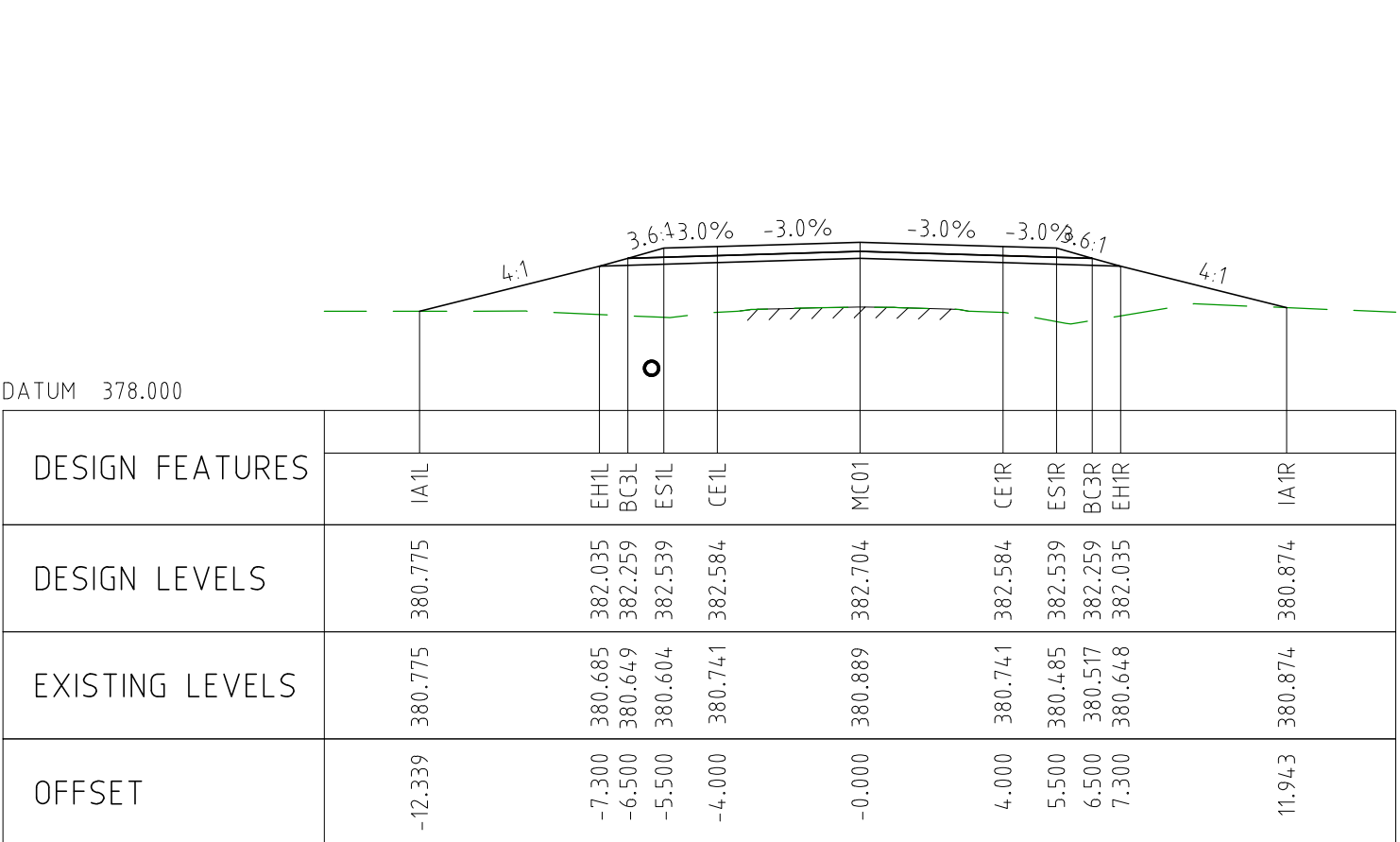
CHAINAGE 6400



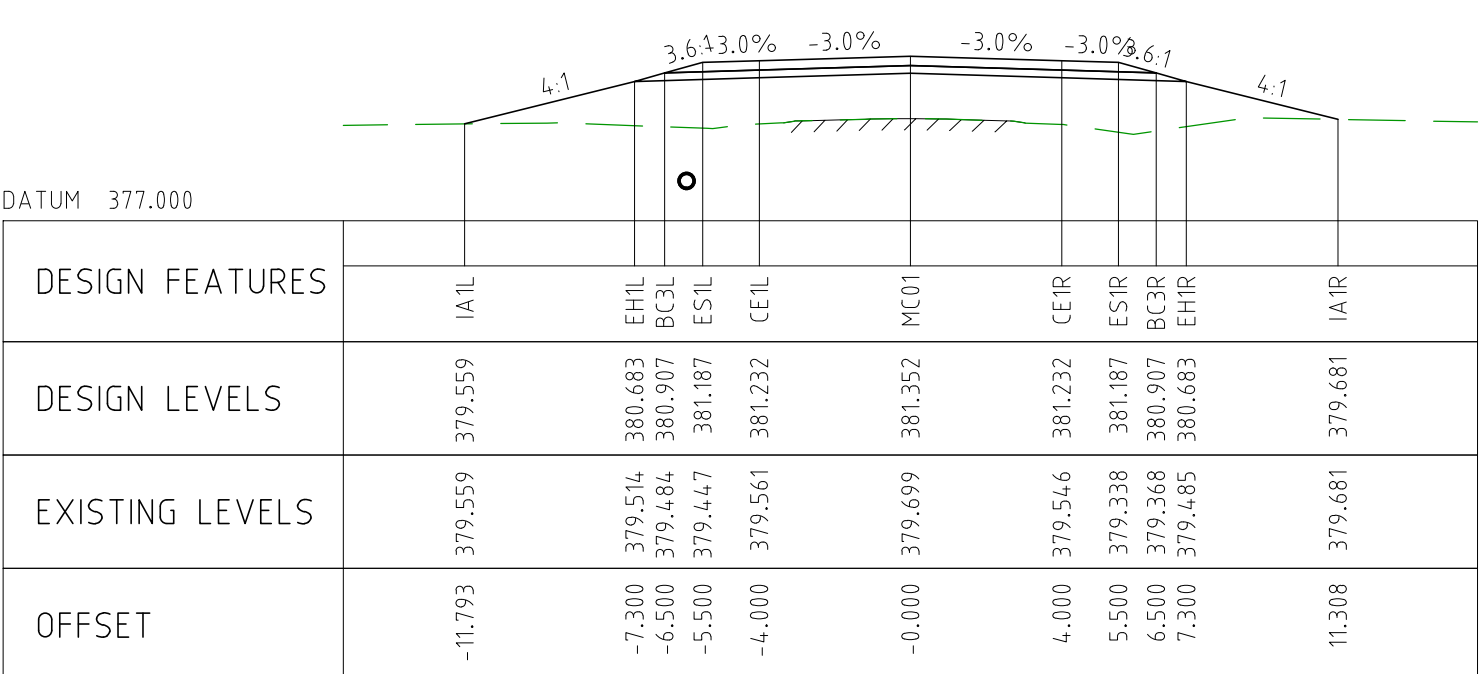
CHAINAGE 6350



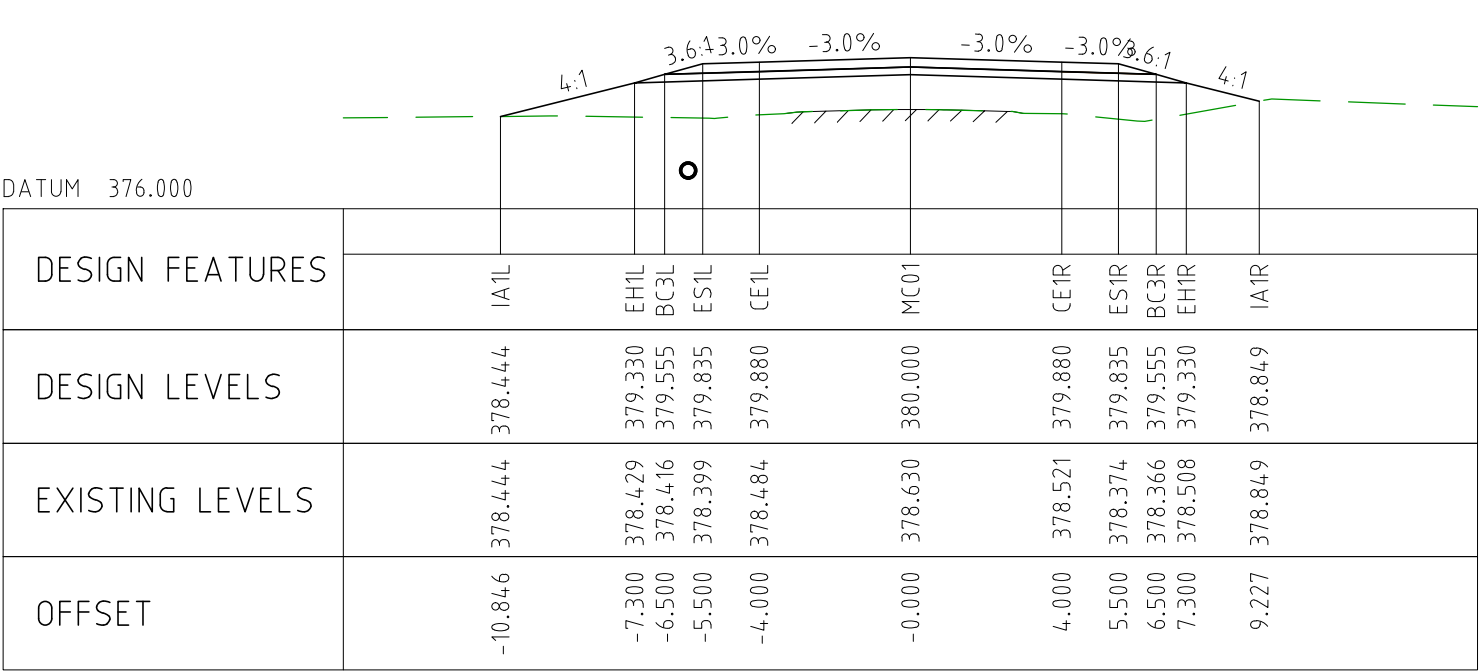
CHAINAGE 6300



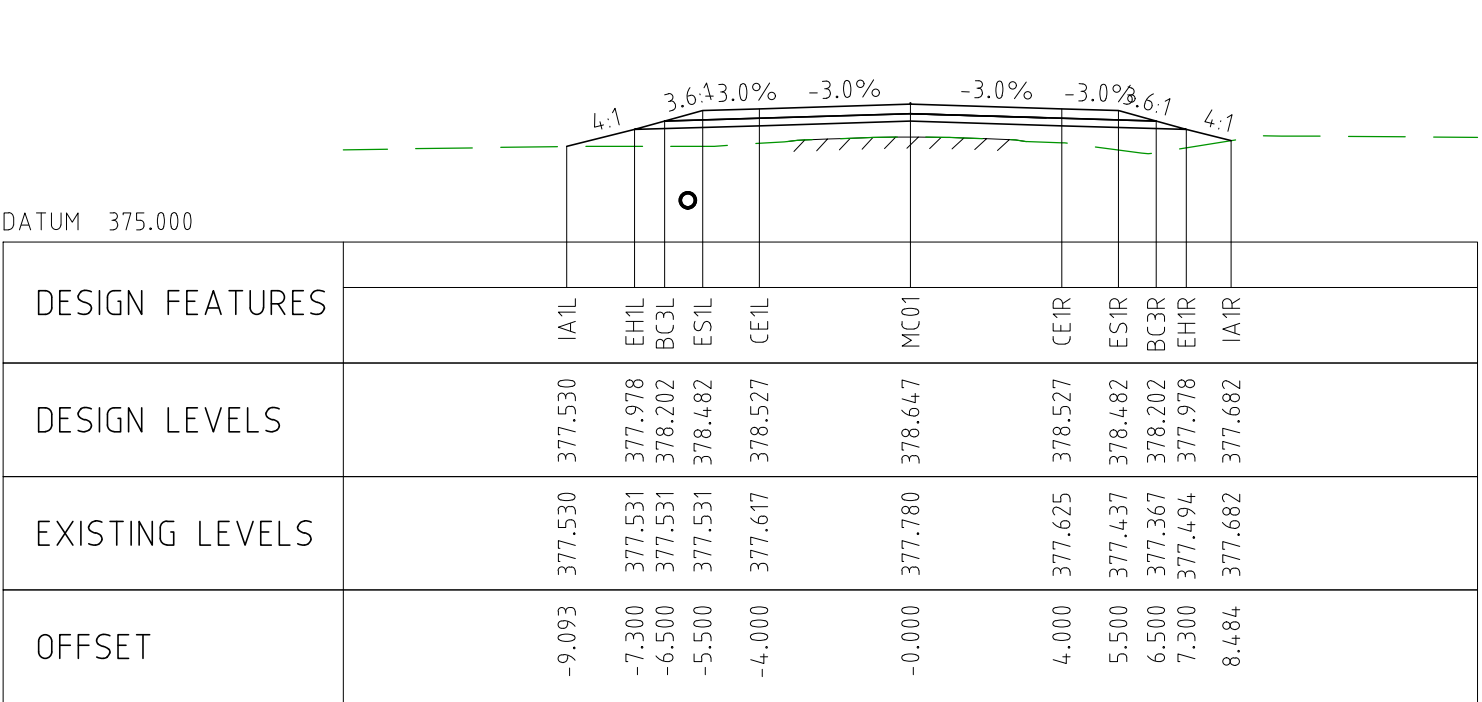
CHAINAGE 6700



CHAINAGE 6650



CHAINAGE 6600

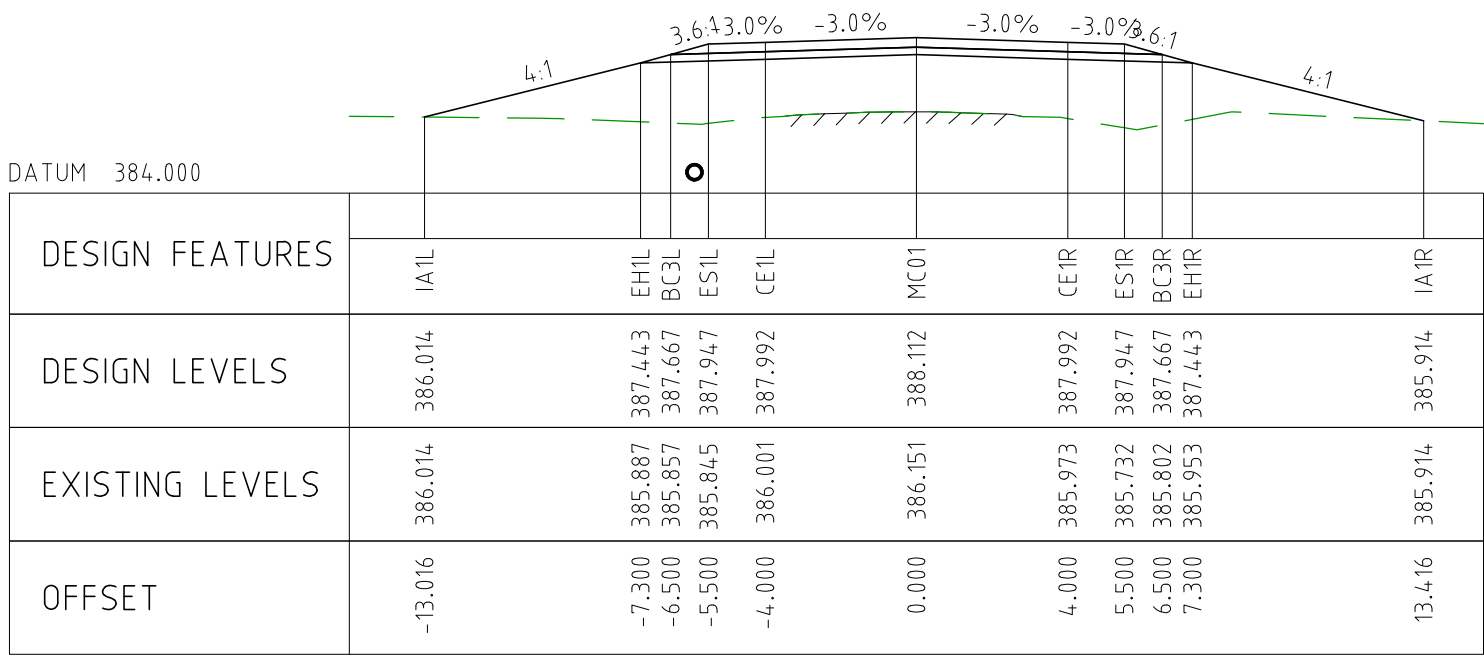


CHAINAGE 6550

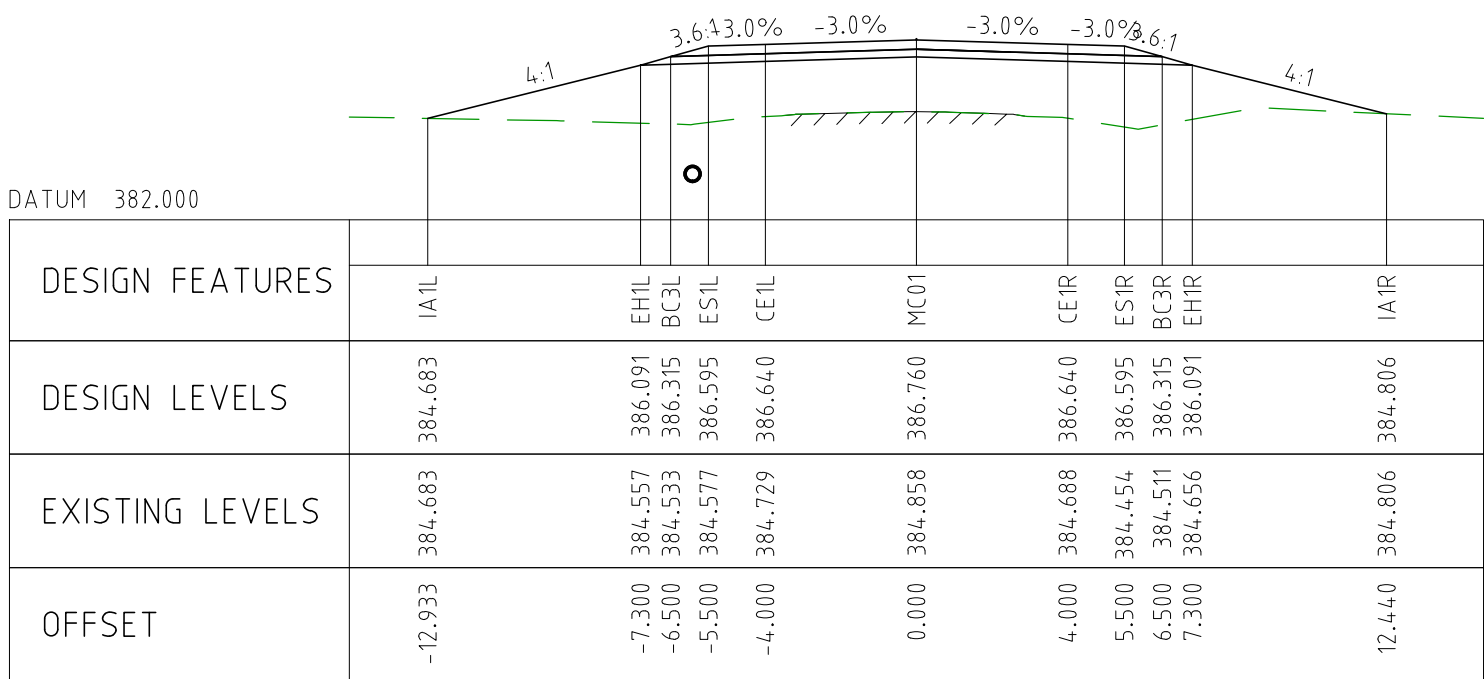
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

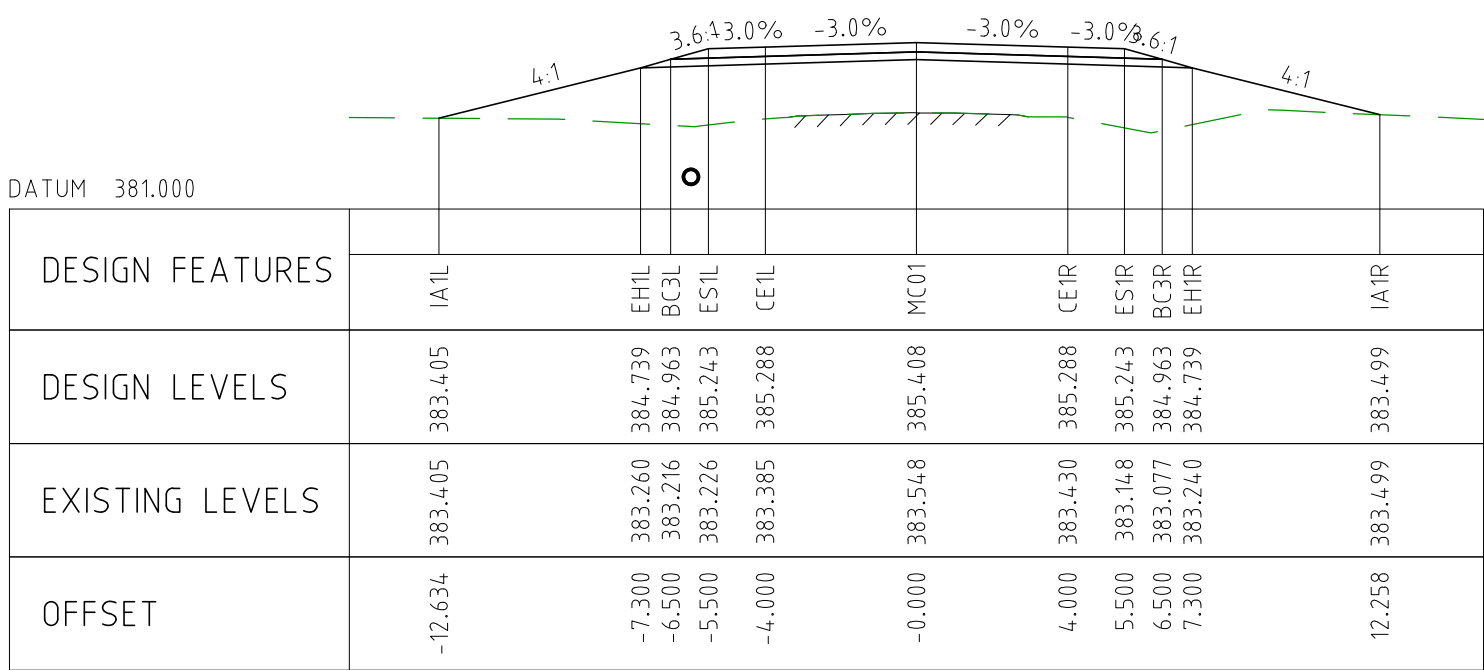
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS09.dwg					PLOT DATE 04 Nov 2022		TIME 11:55:05		CLIENT DOCUMENT No COV-M040-CI-DWG-0121										
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE				
		0	04.11.22	ISSUED FOR CONSTRUCTION	003		DRAFTER	JW	<div>SCALE 1:200</div> <div></div>	<div> Member of the Surlana Jurong Group © ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div></div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 9 OF 41						
		DRAFTING CHECK	TM																
		DESIGNER	TM																
		DESIGN CHECK	TM																
		PROJECT MANAGER	DM																
						PROJECT DIRECTOR	RI					SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS09		REVISION 0	



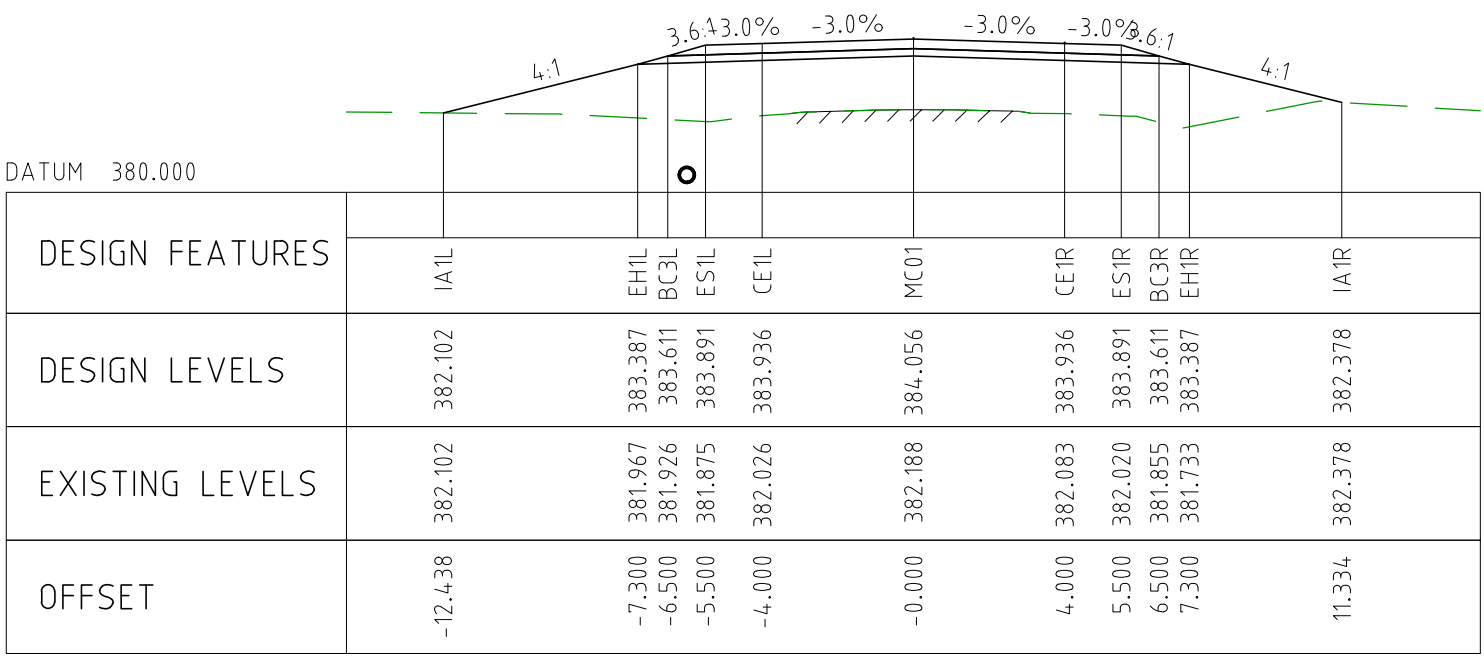
CHAINAGE 6900



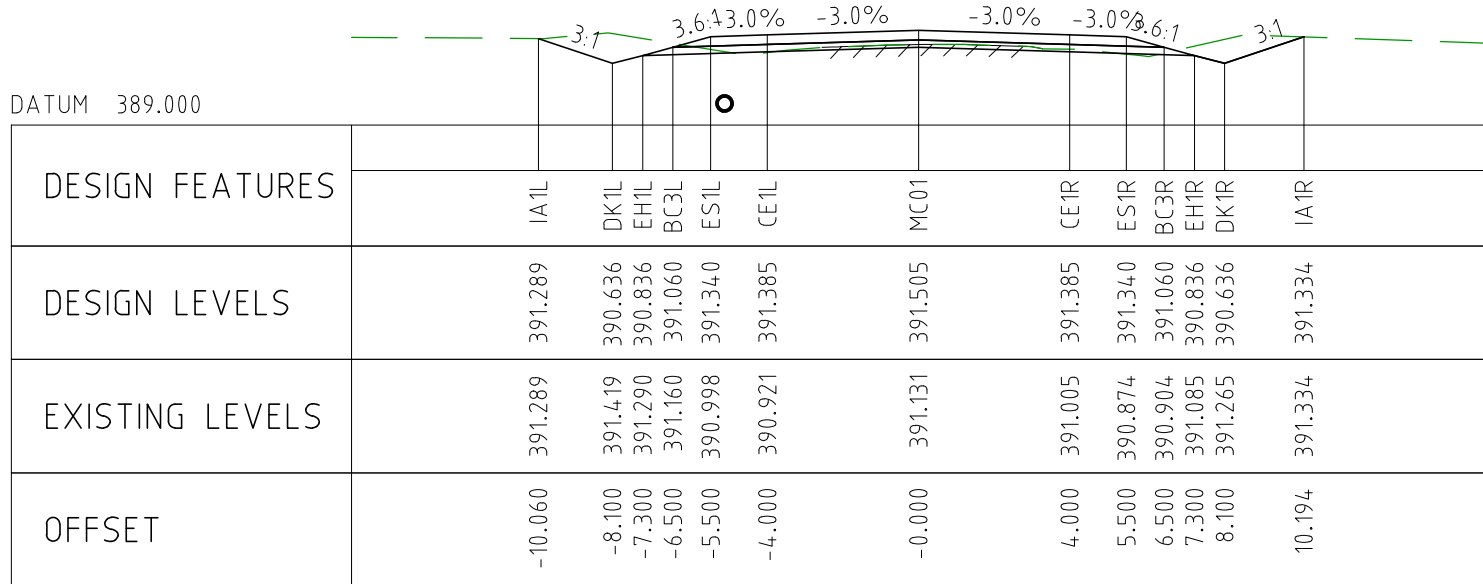
CHAINAGE 6850



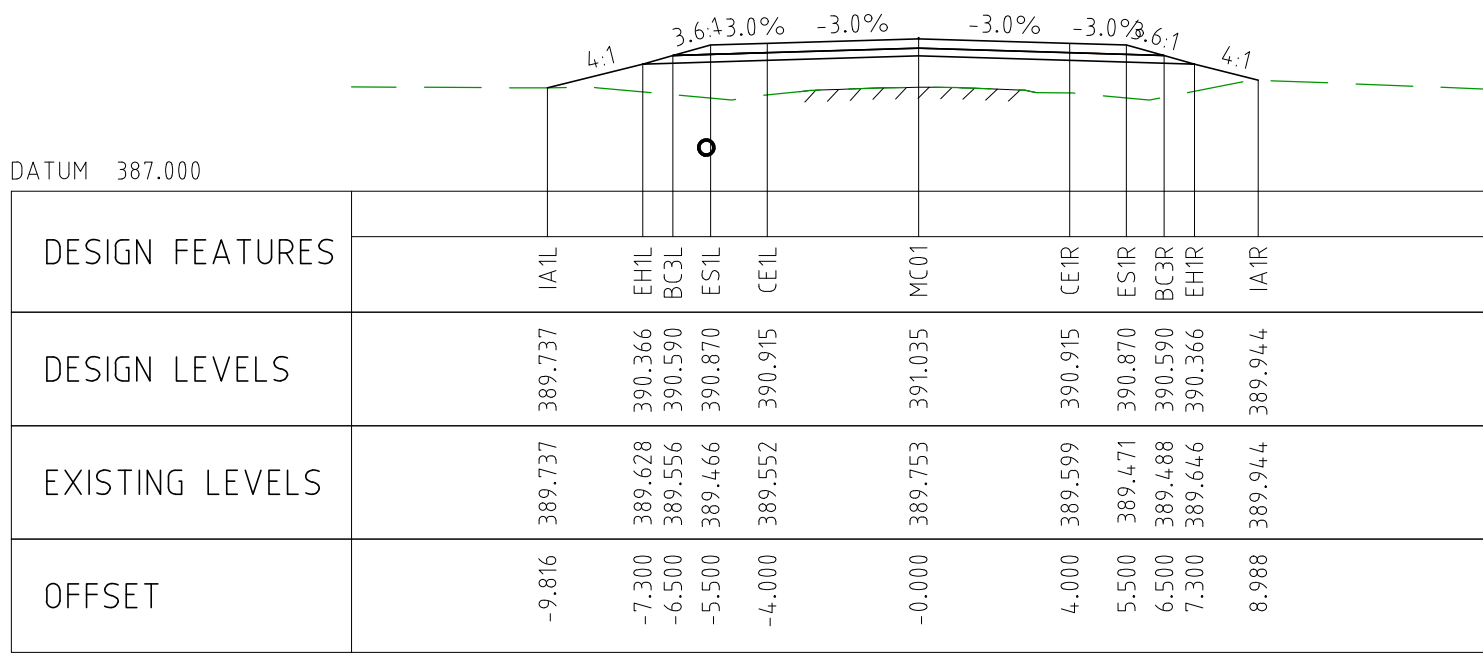
CHAINAGE 6800



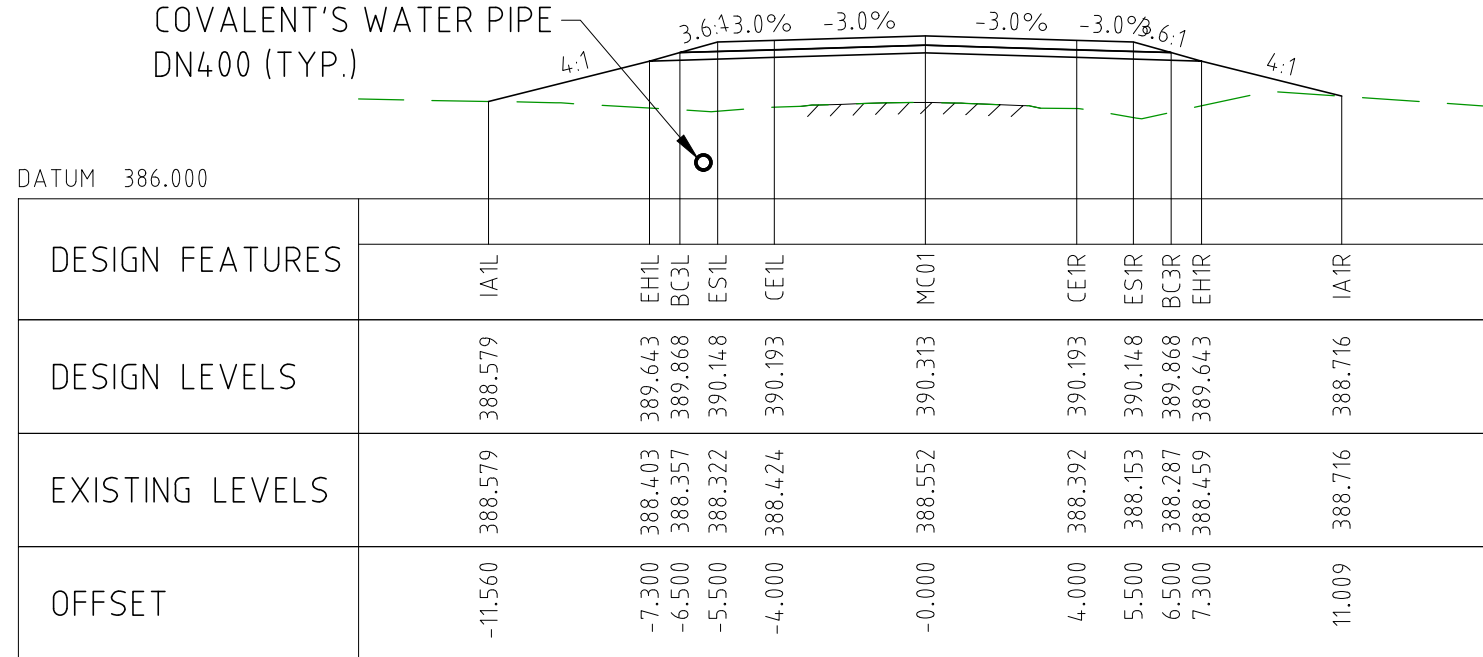
CHAINAGE 6750



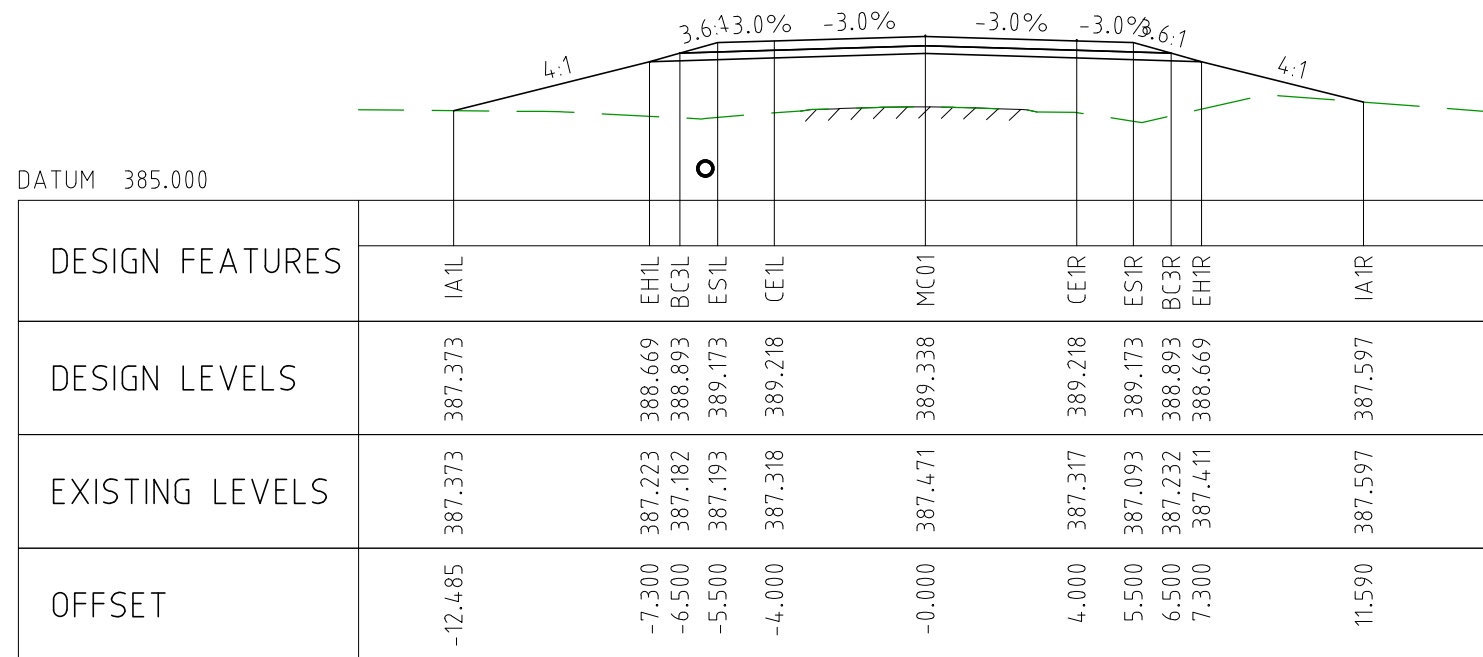
CHAINAGE 7100



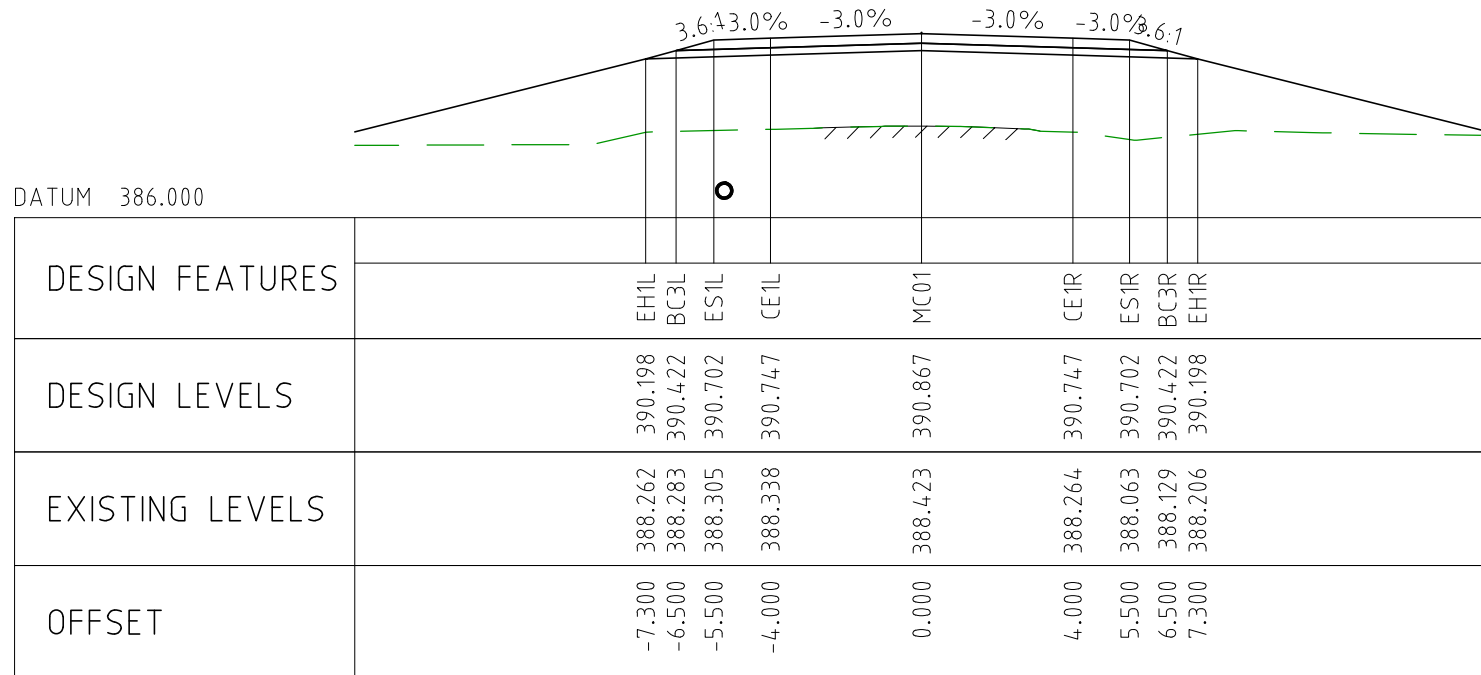
CHAINAGE 7050



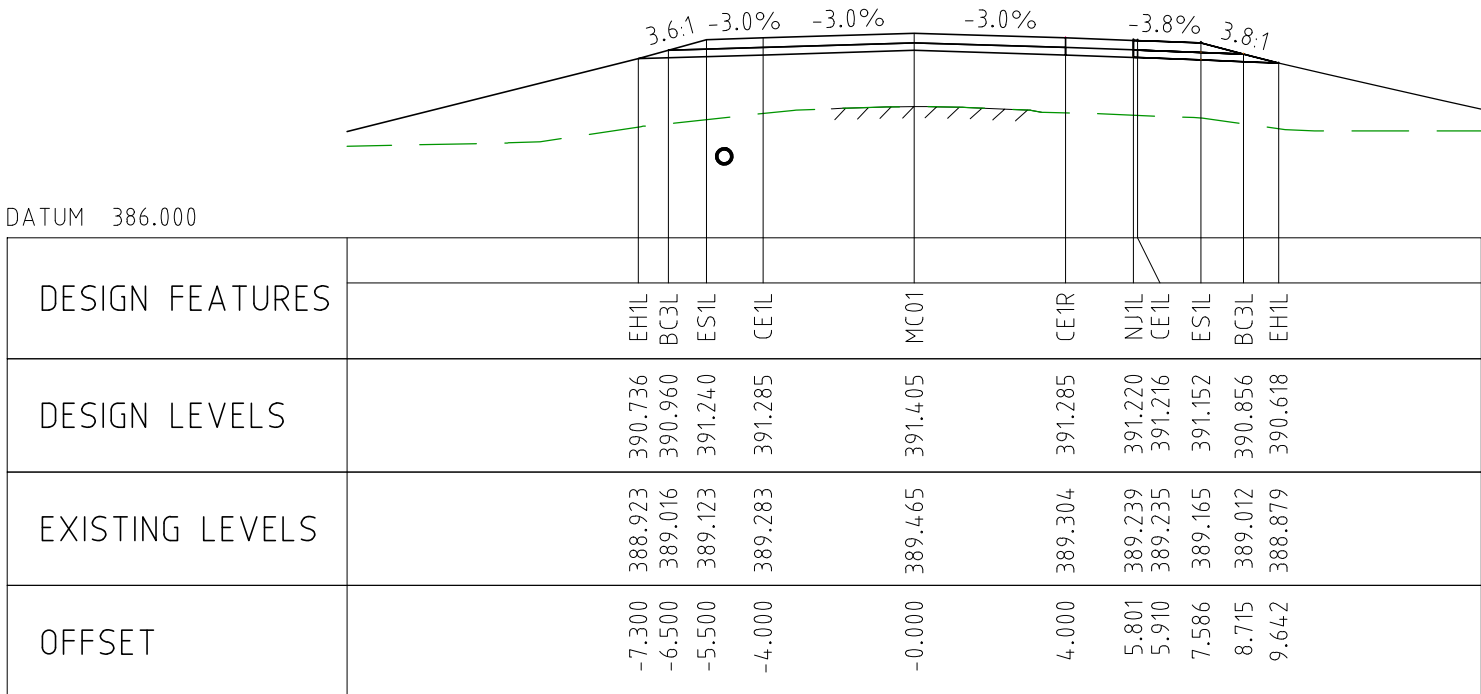
CHAINAGE 7000



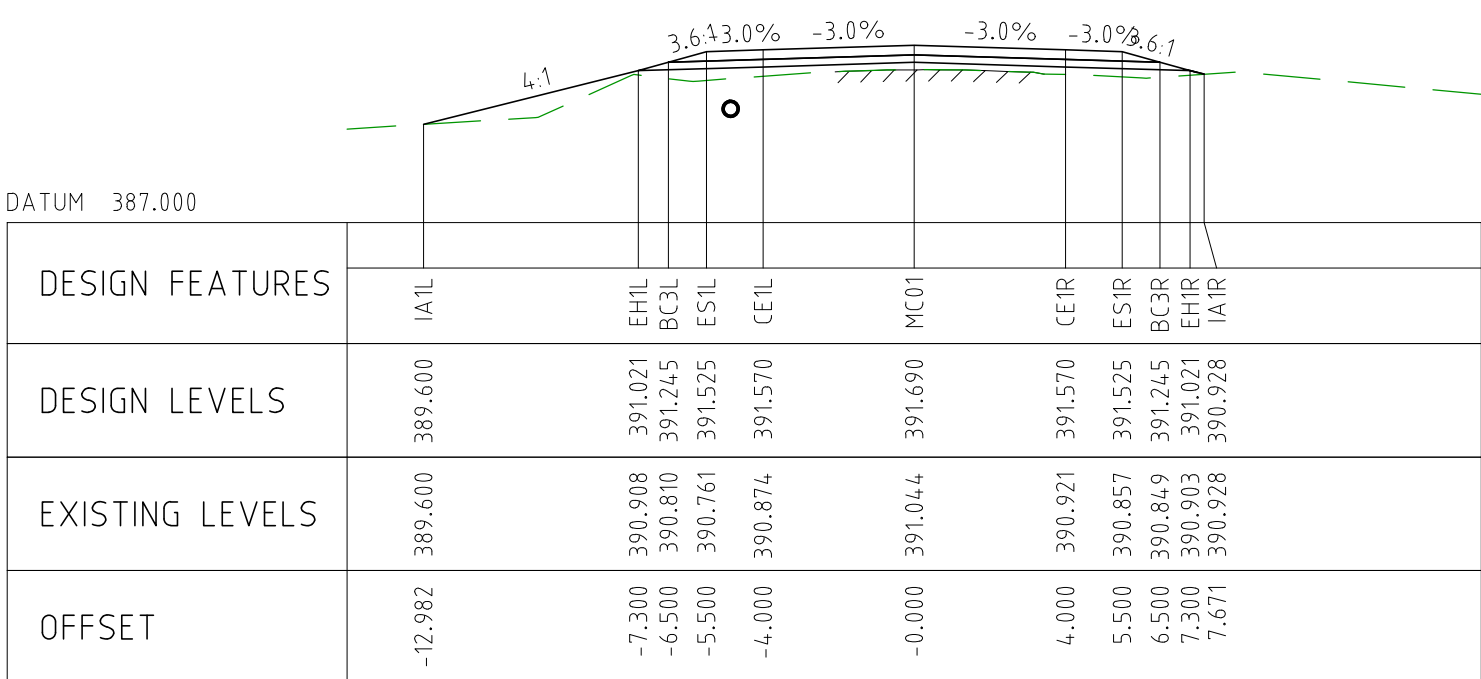
CHAINAGE 6950



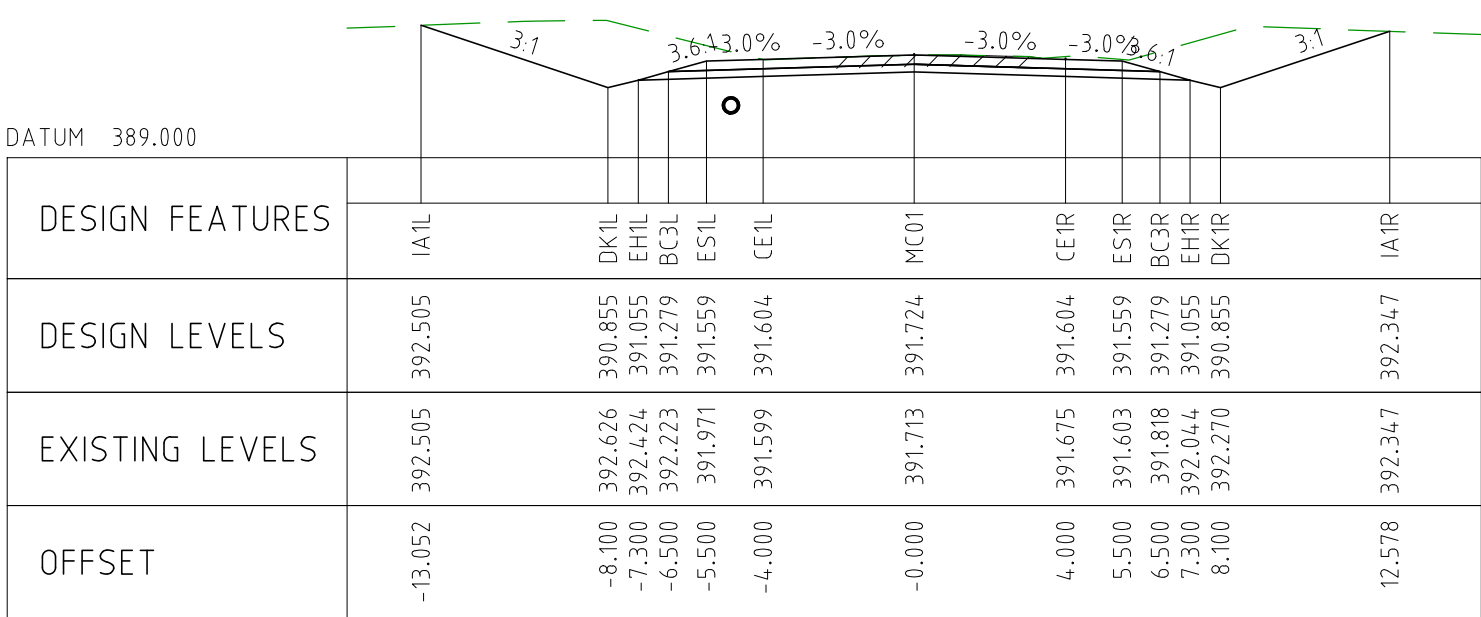
CHAINAGE 7300



CHAINAGE 7250



CHAINAGE 7200

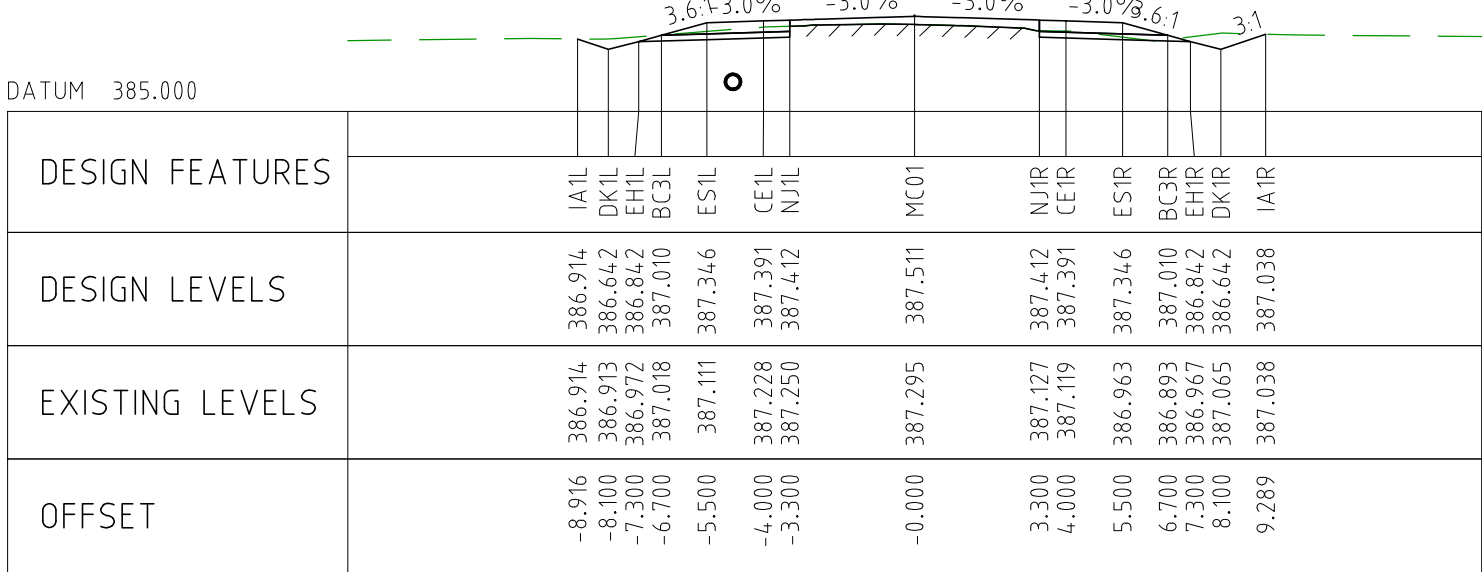
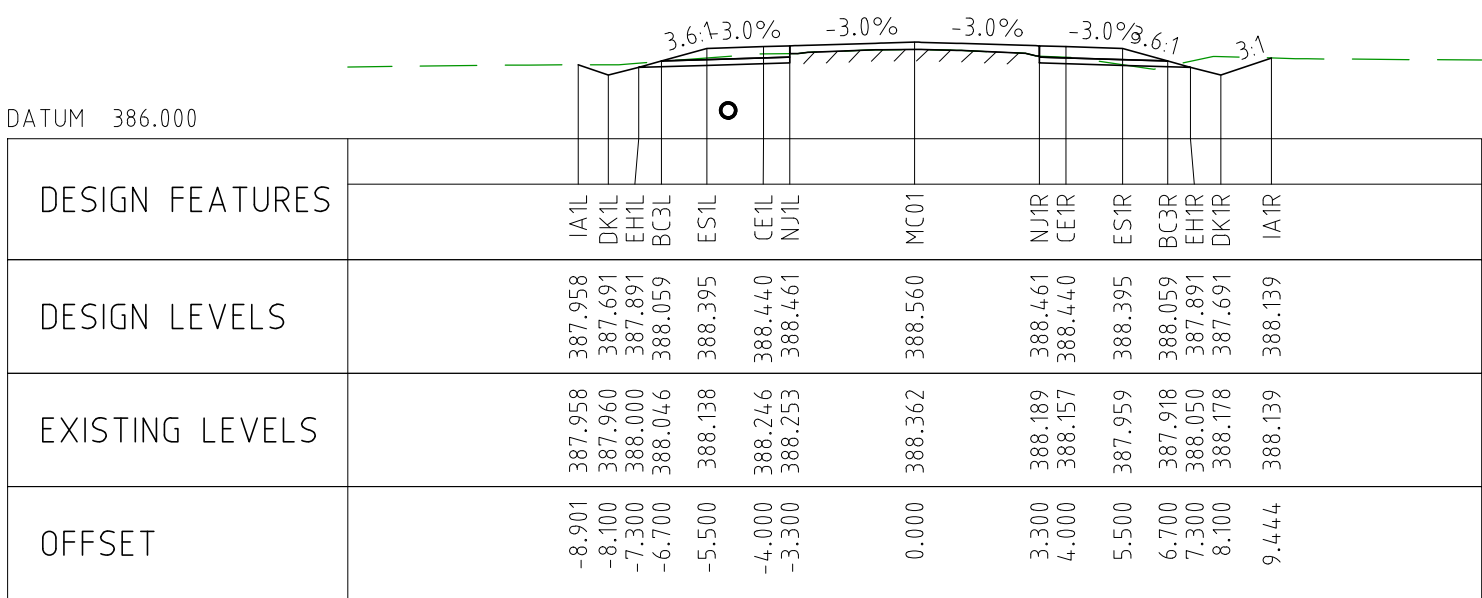
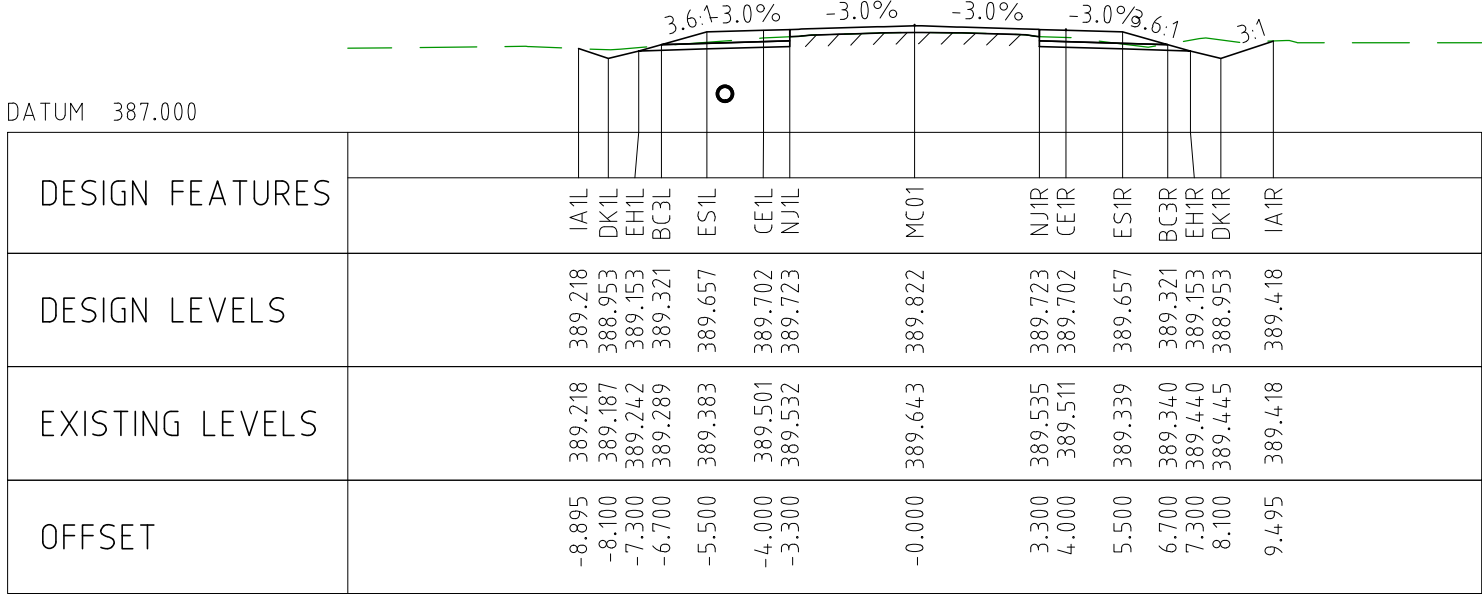
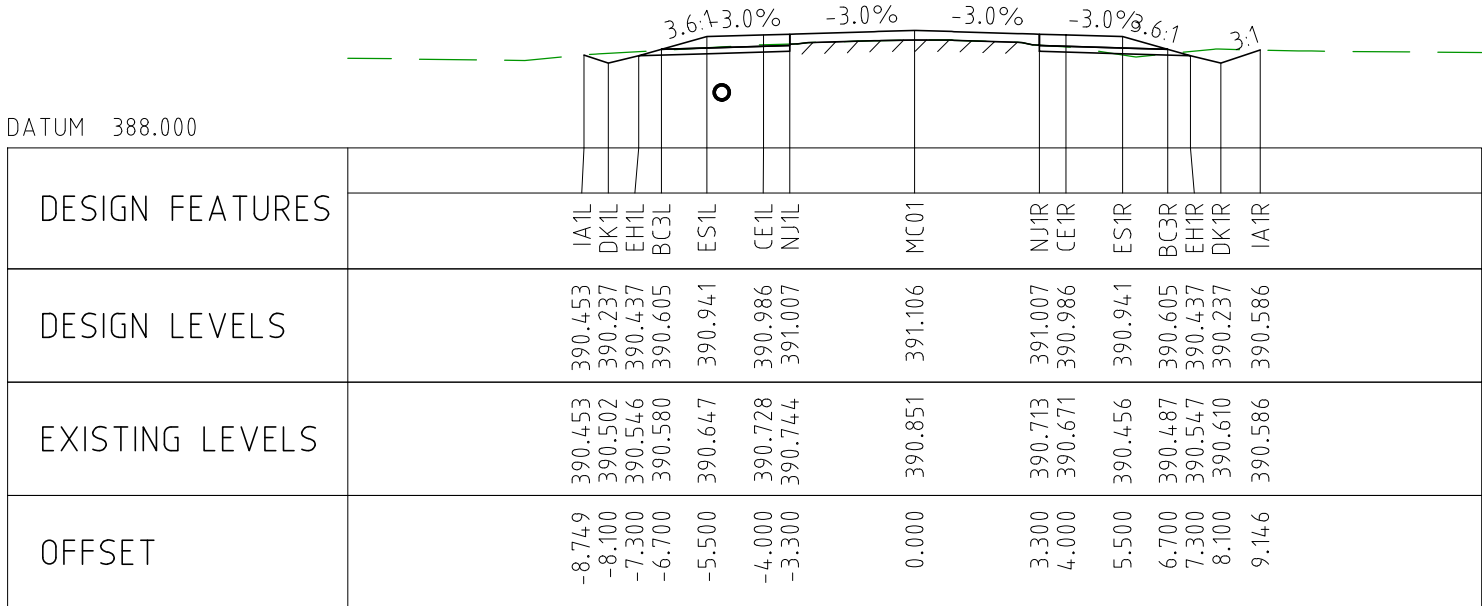
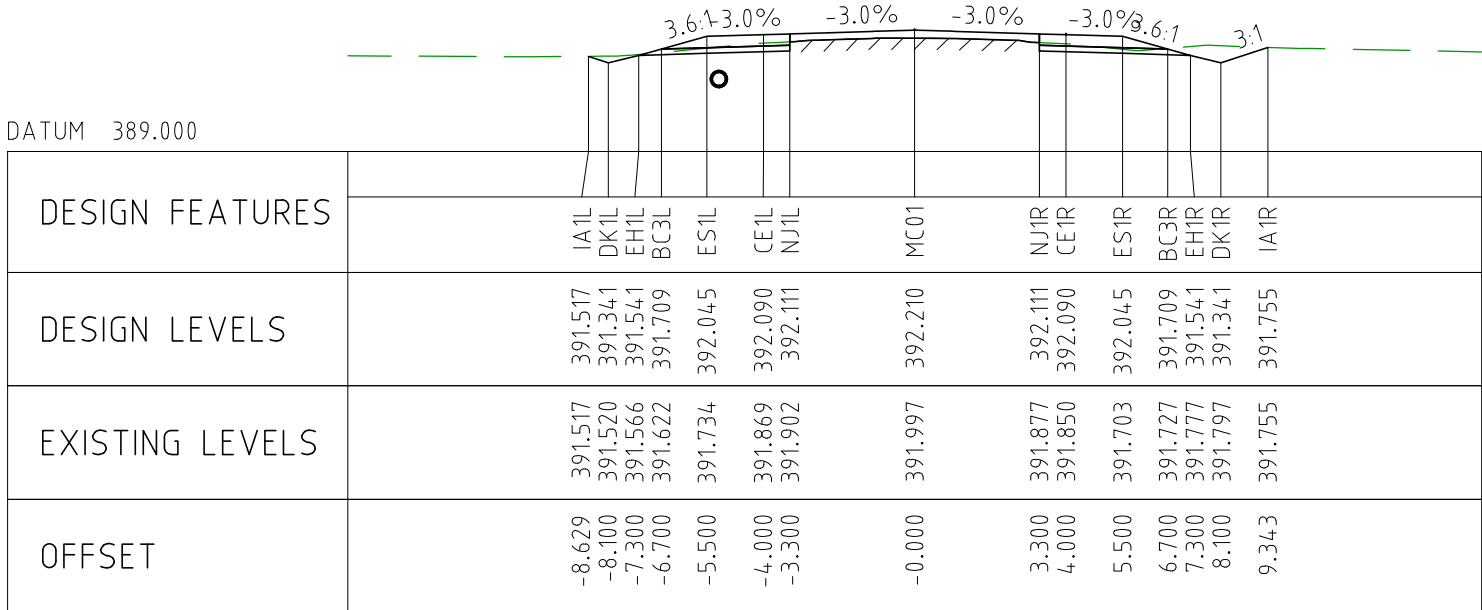
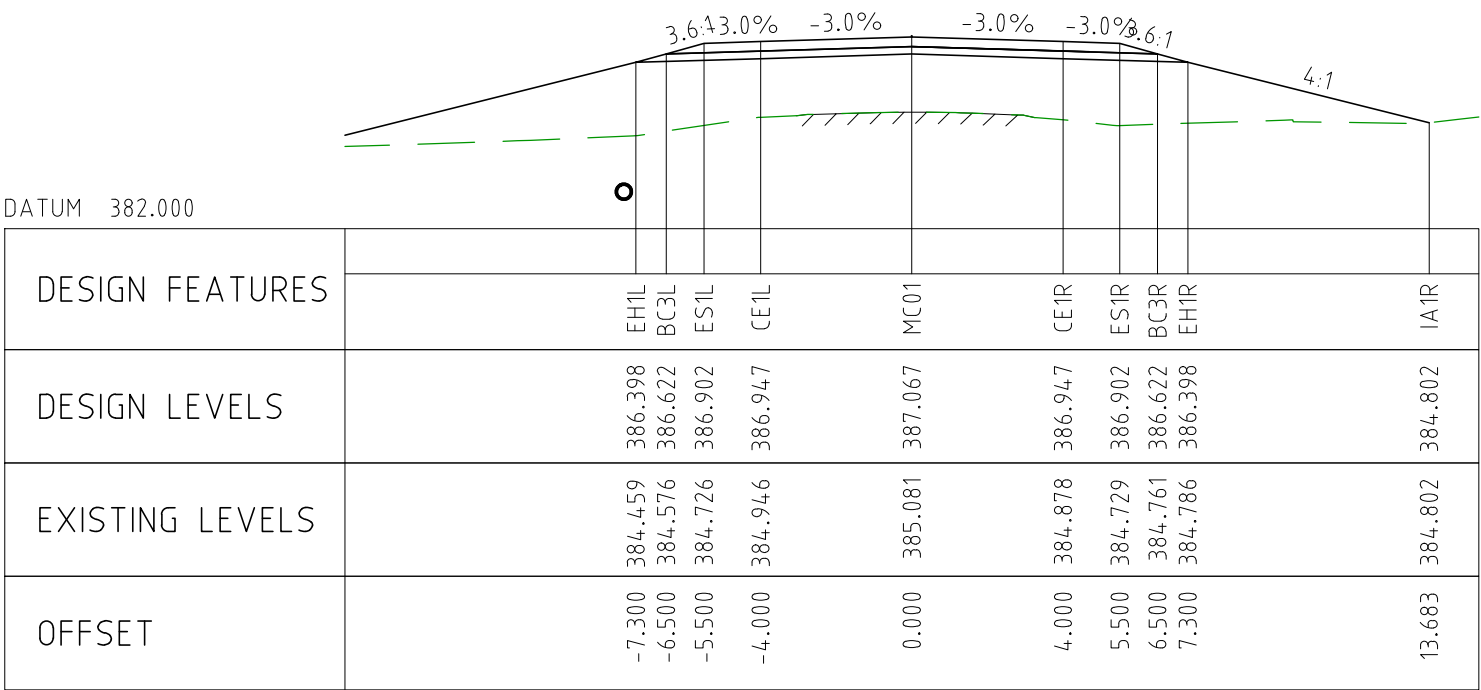
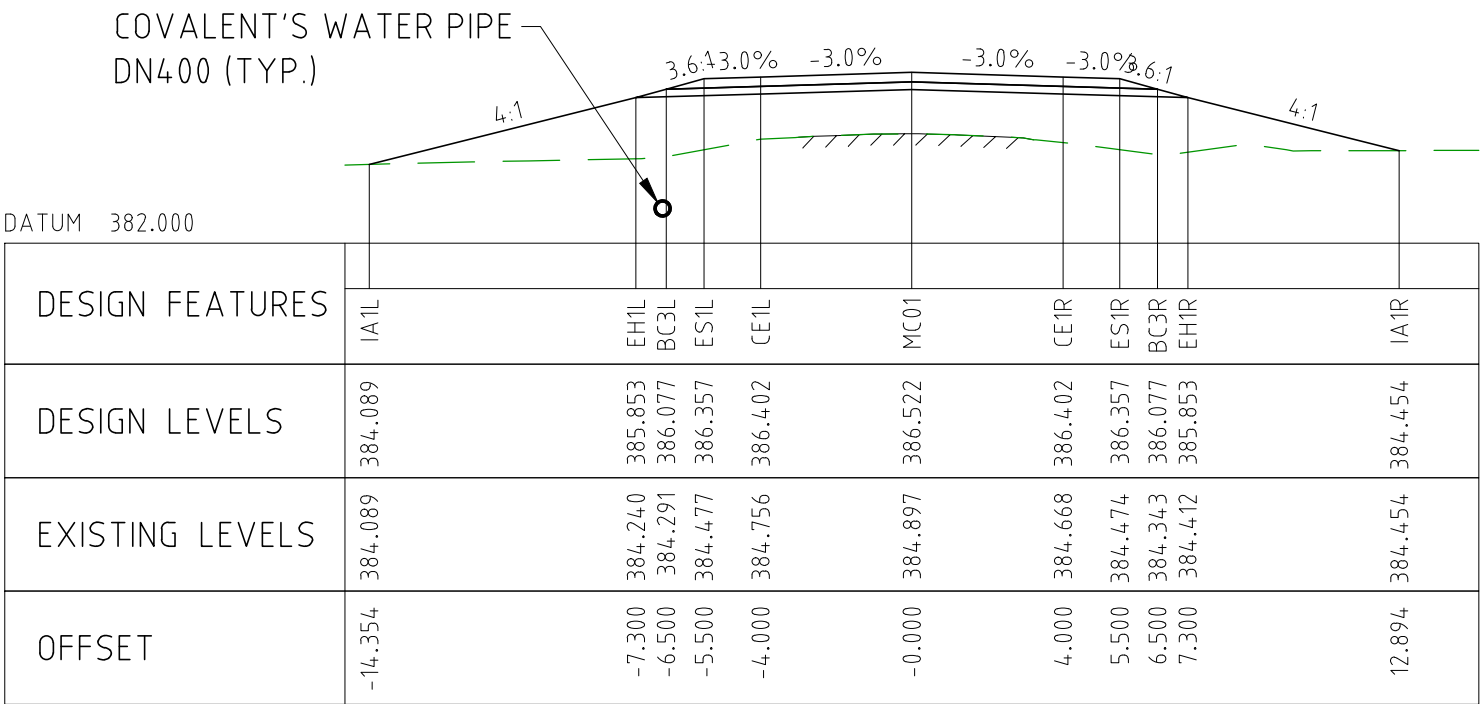
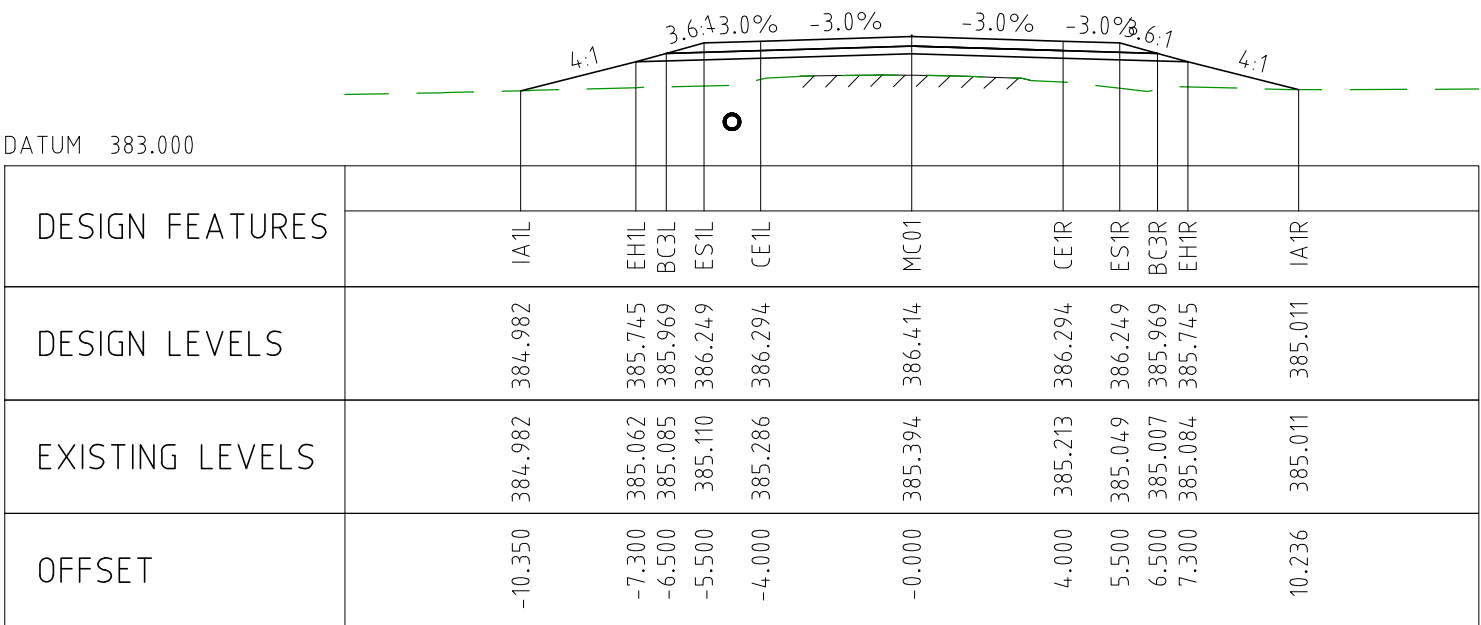
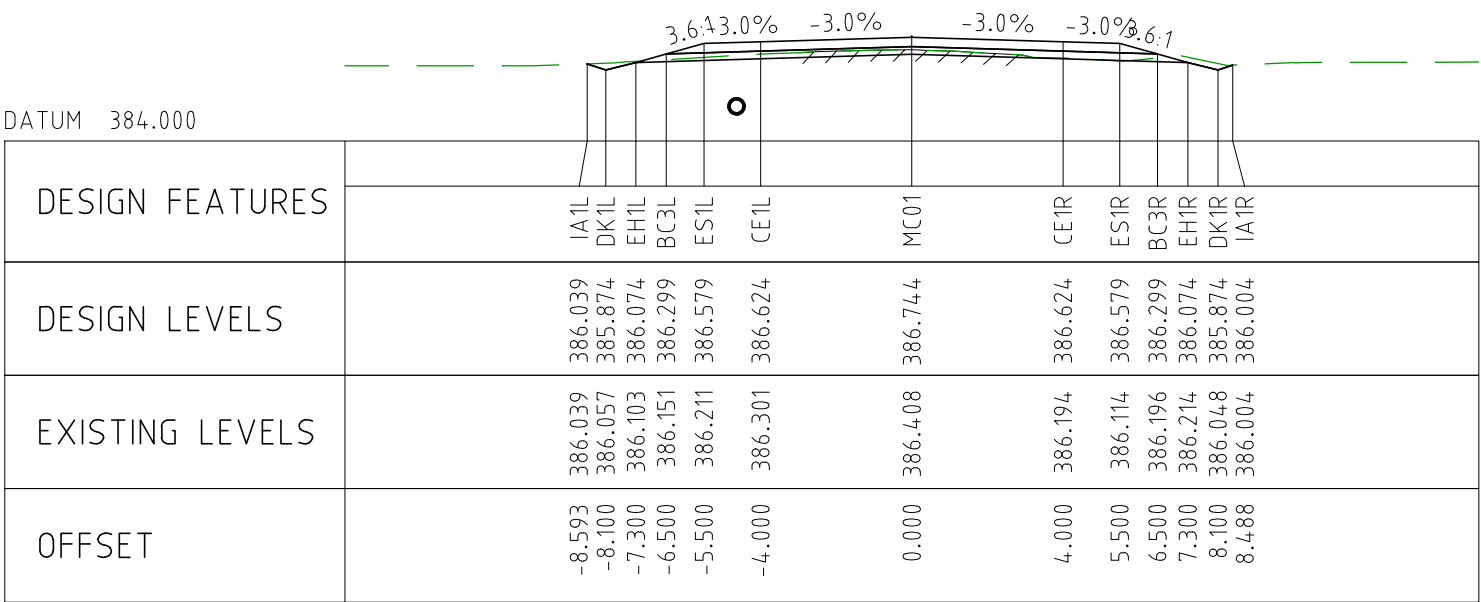
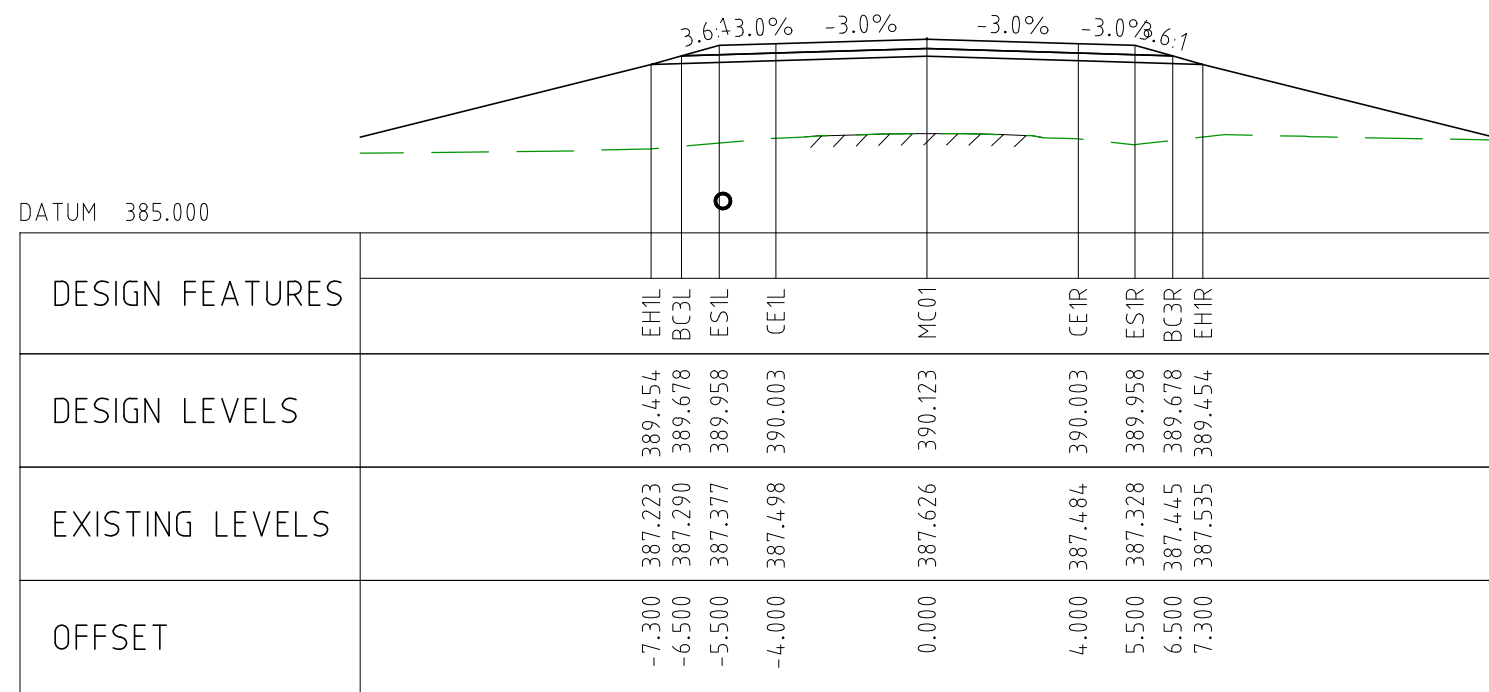
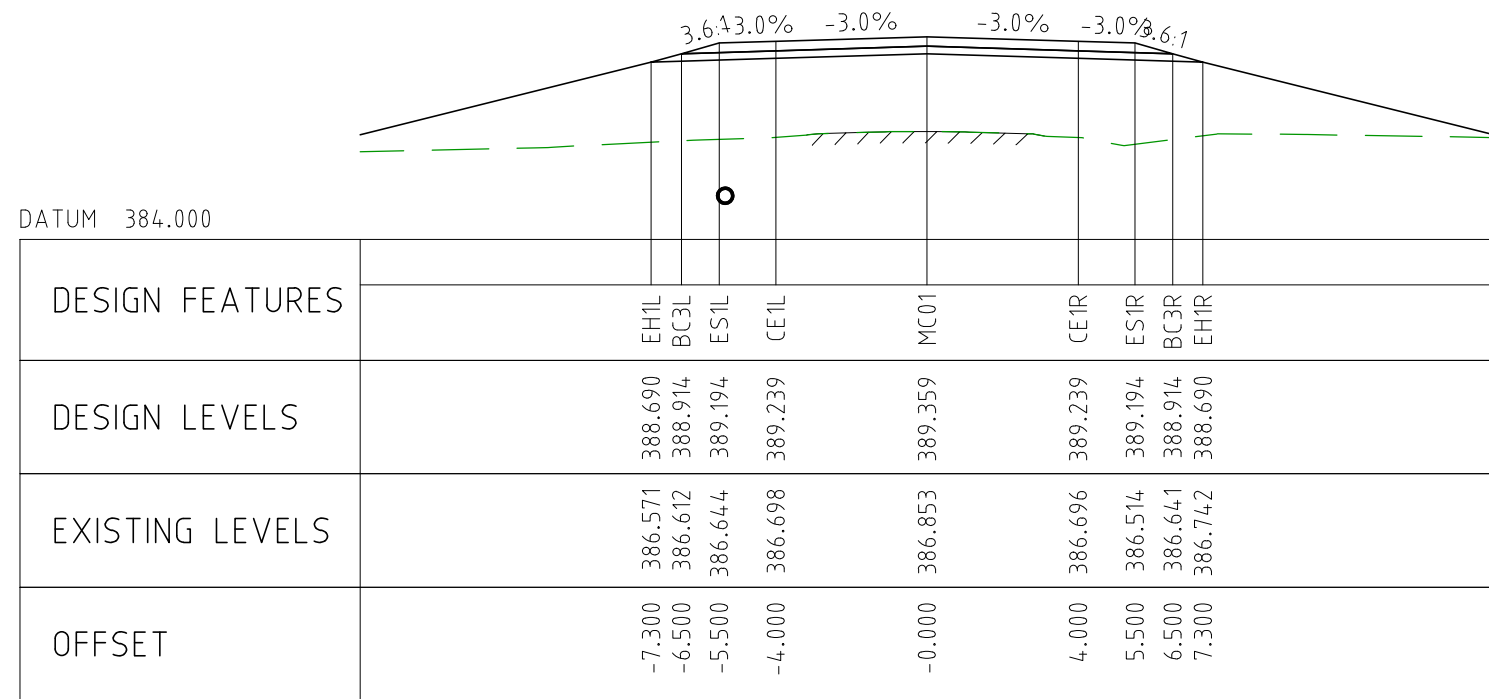
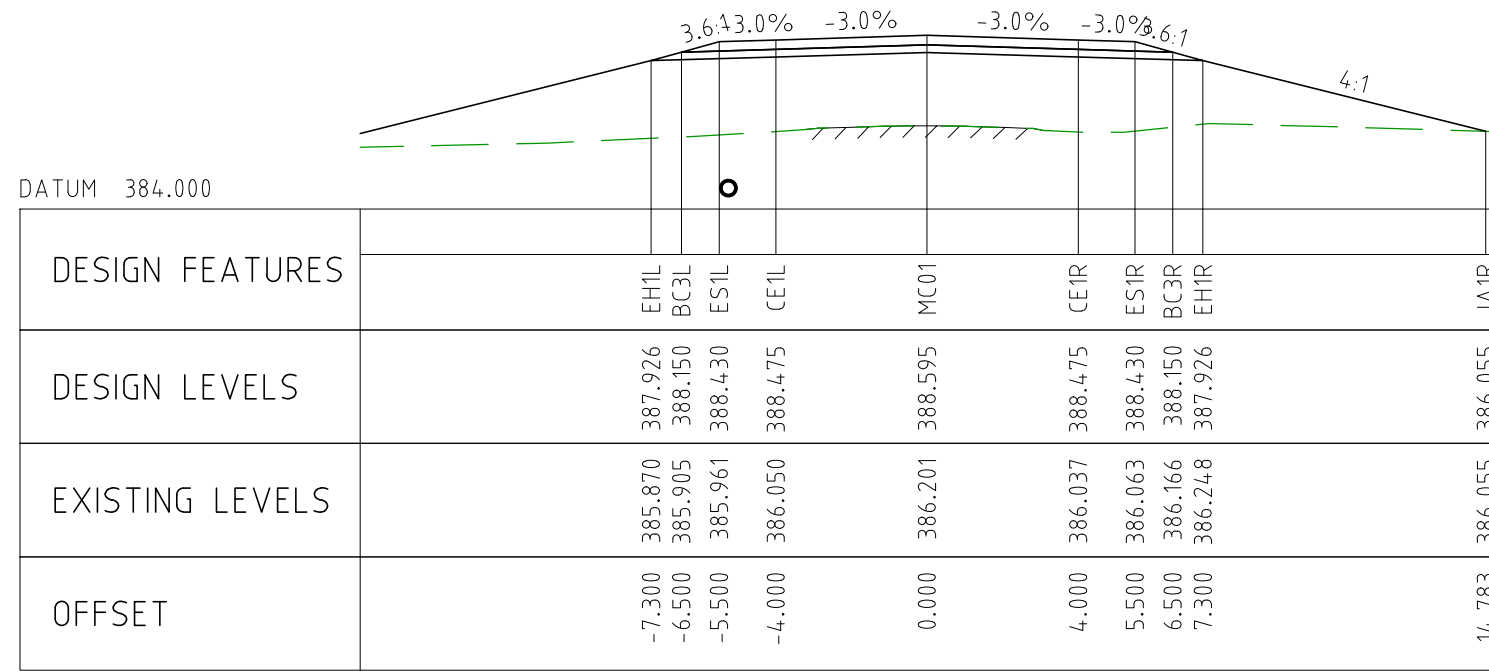
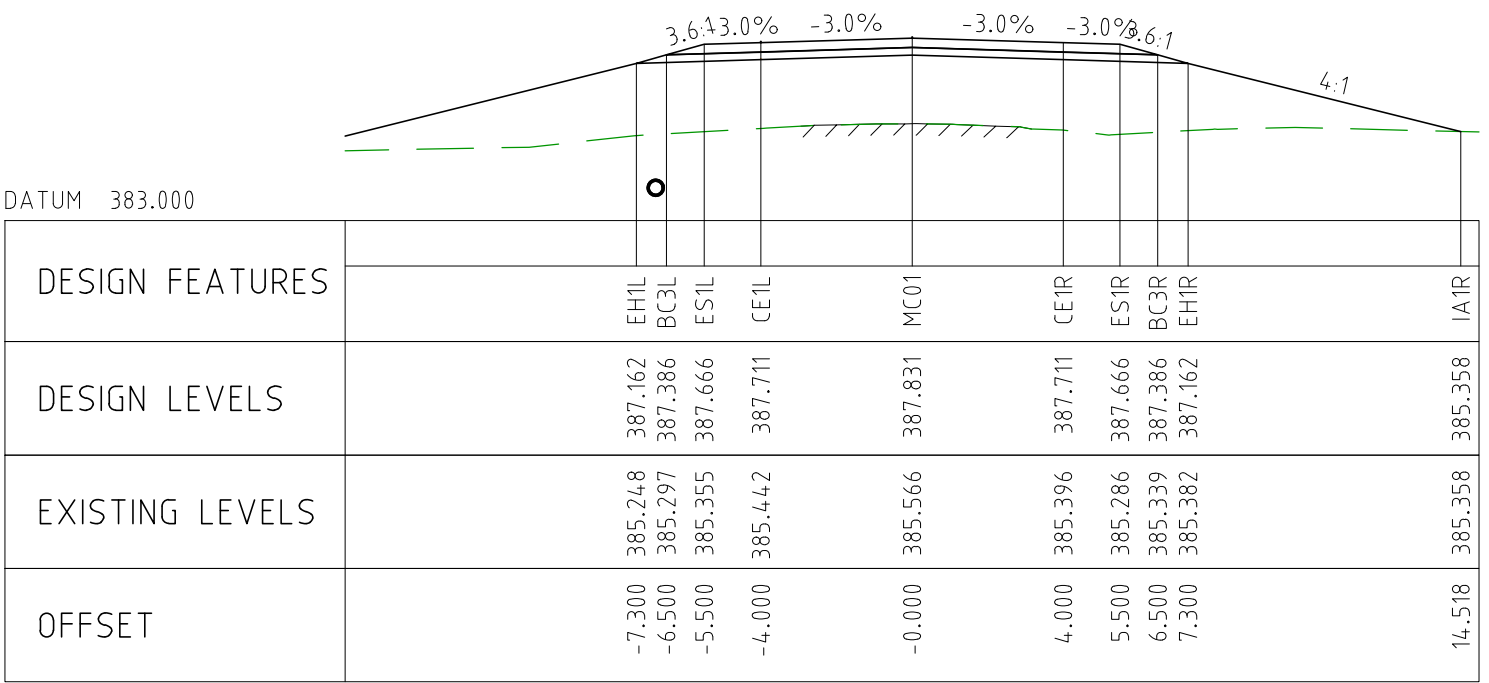


CHAINAGE 7150

NOTES



1. FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

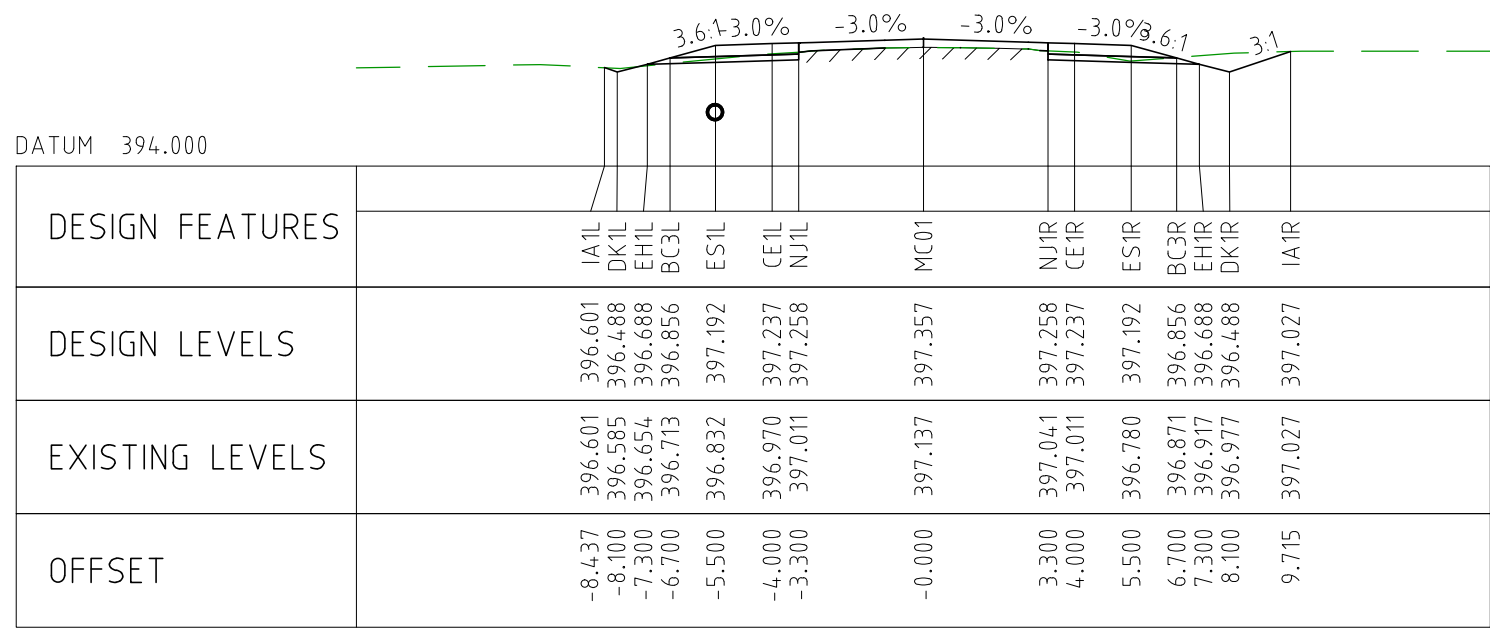
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS10.dwg					PLOT DATE 04 Nov 2022		TIME 11:55:42		CLIENT DOCUMENT No COV-M040-CI-DWG-0122									
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:200</div>	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 10 OF 41			SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS10	REVISION 0
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER JW	DRAFTING CHECK TM	DESIGNER TM										



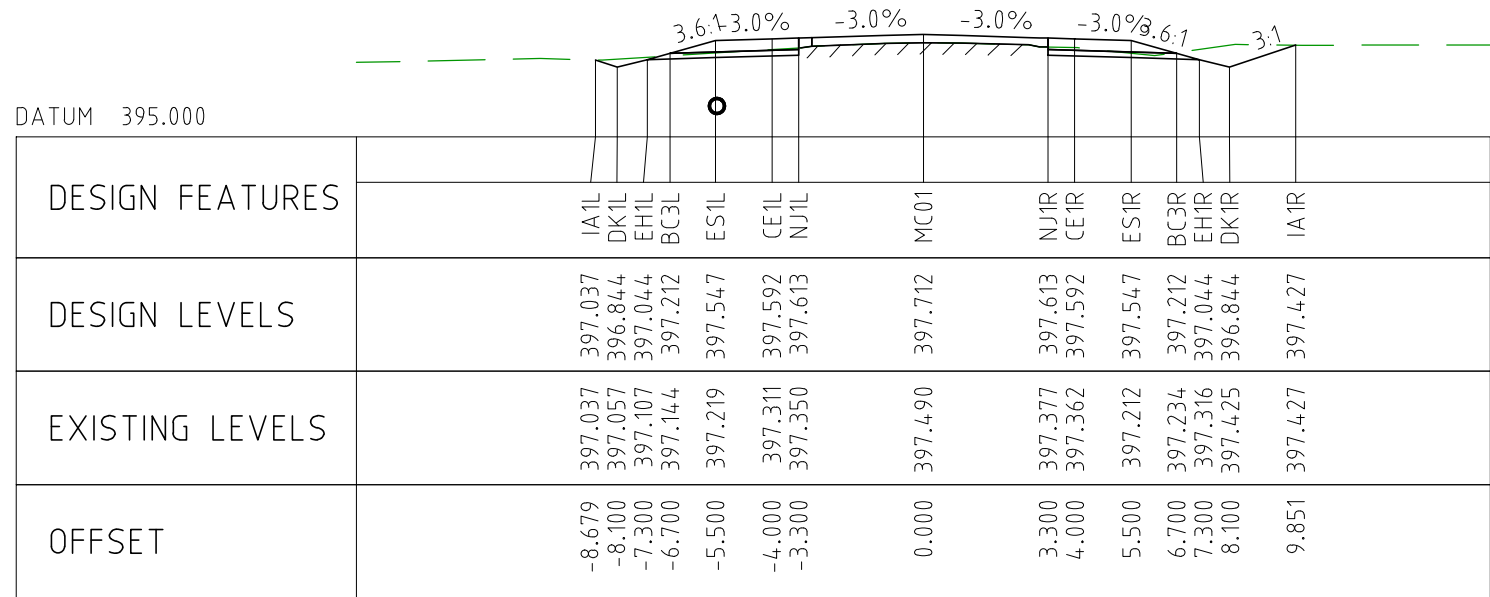
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

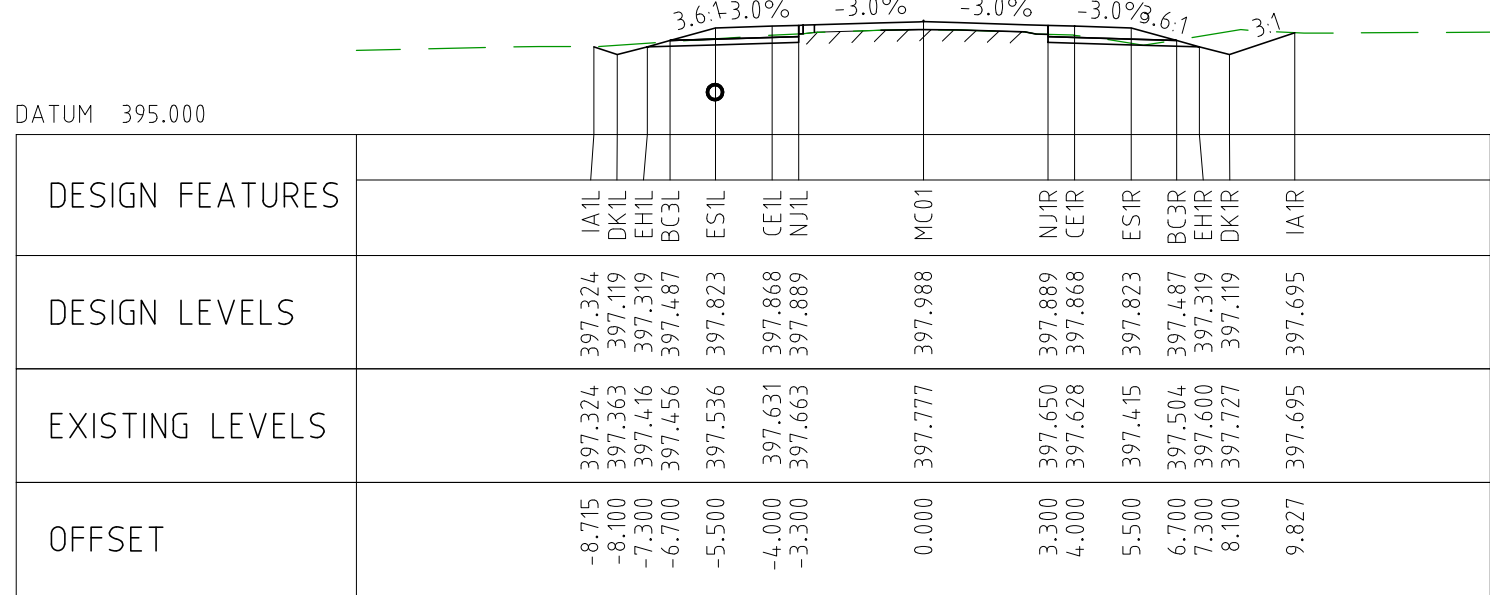
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS11.dwg					PLOT DATE 04 Nov 2022		TIME 12:09:48		CLIENT DOCUMENT No COV-M040-CI-DWG-0123																				
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL		TITLE	NAME	SCALES AT A1 SIZE DRAWING			DESIGNER		CLIENT		PROJECT TITLE							
					0	04.11.22	ISSUED FOR CONSTRUCTION			003	DM	DRAFTER		JW	<div>SCALE 1:200</div> <div><div></div><div>20</div></div>			<div> Member of the Surlana Jurong Group © ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div> covalent LITHIUM</div>		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 11 OF 41							
												DRAFTING CHECK		TM															
												DESIGNER		TM															
												DESIGN CHECK		TM															
												PROJECT MANAGER		DM															
											PROJECT DIRECTOR		RI								SCALE 1:200			PHASE DETAILED		PROJECT / DRAWING No 3006493-XS11		REVISION 0	



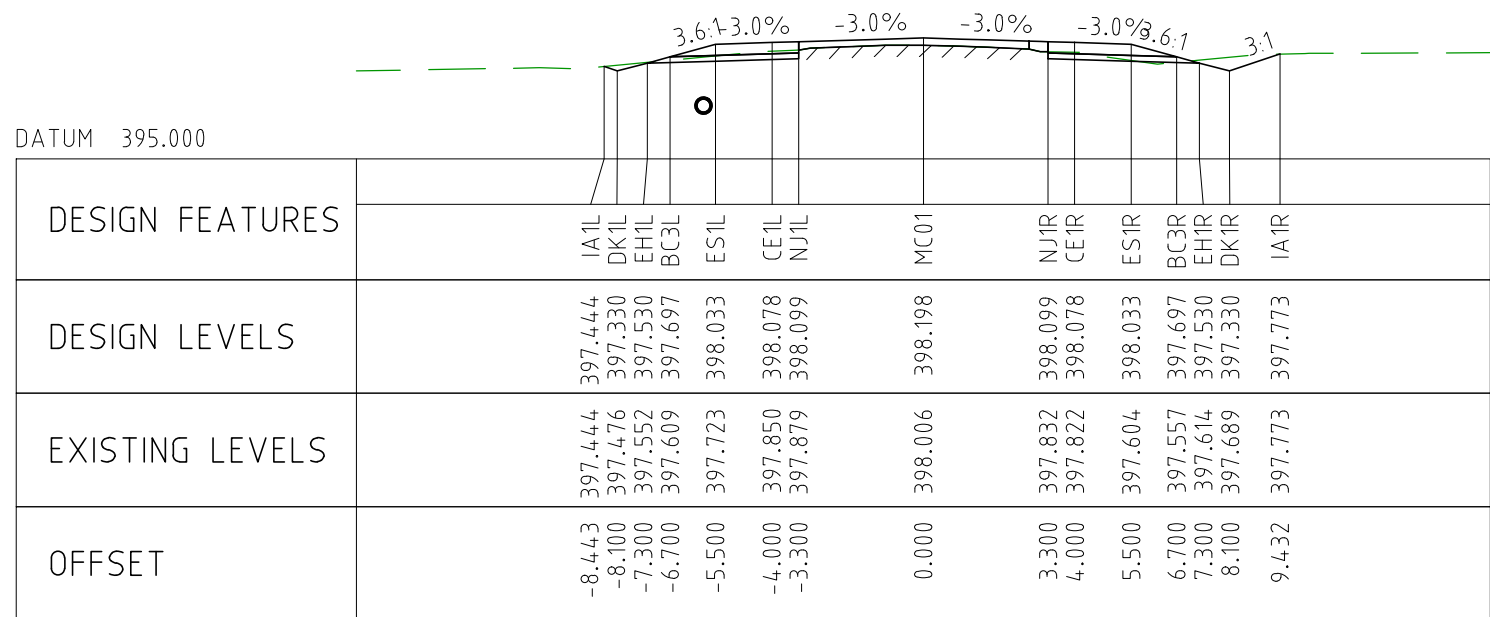
CHAINAGE 8950



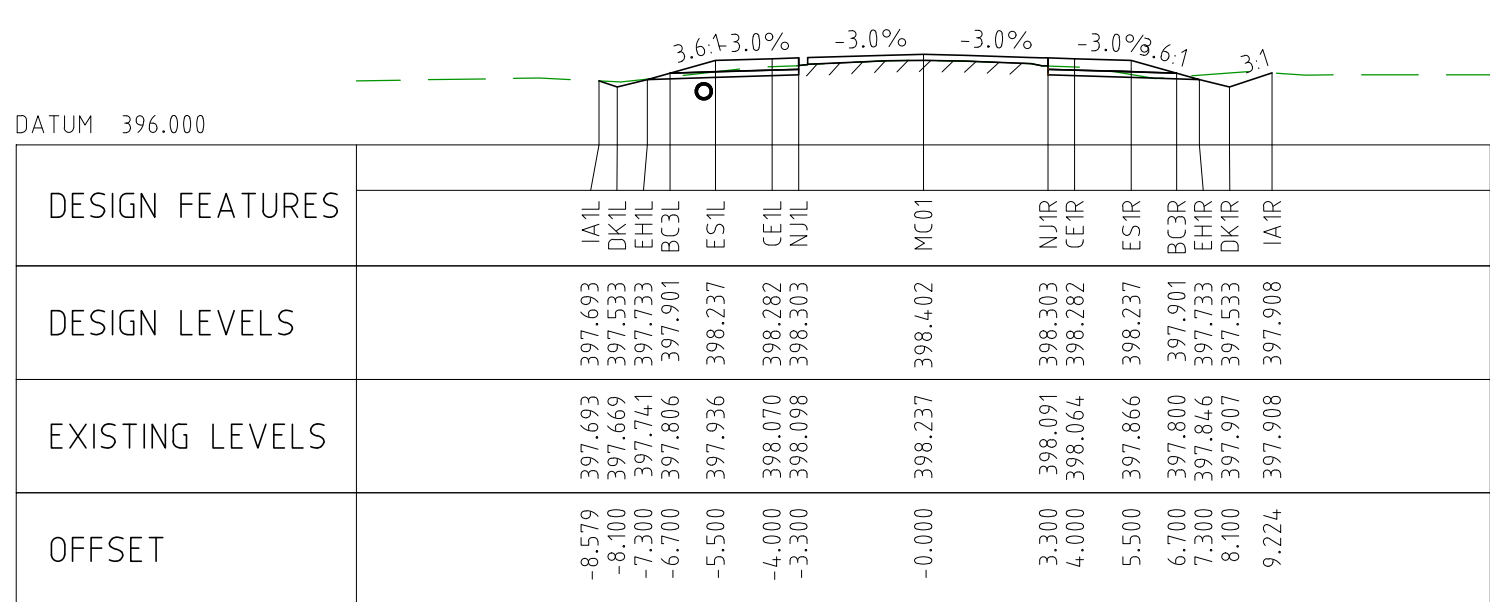
CHAINAGE 8900



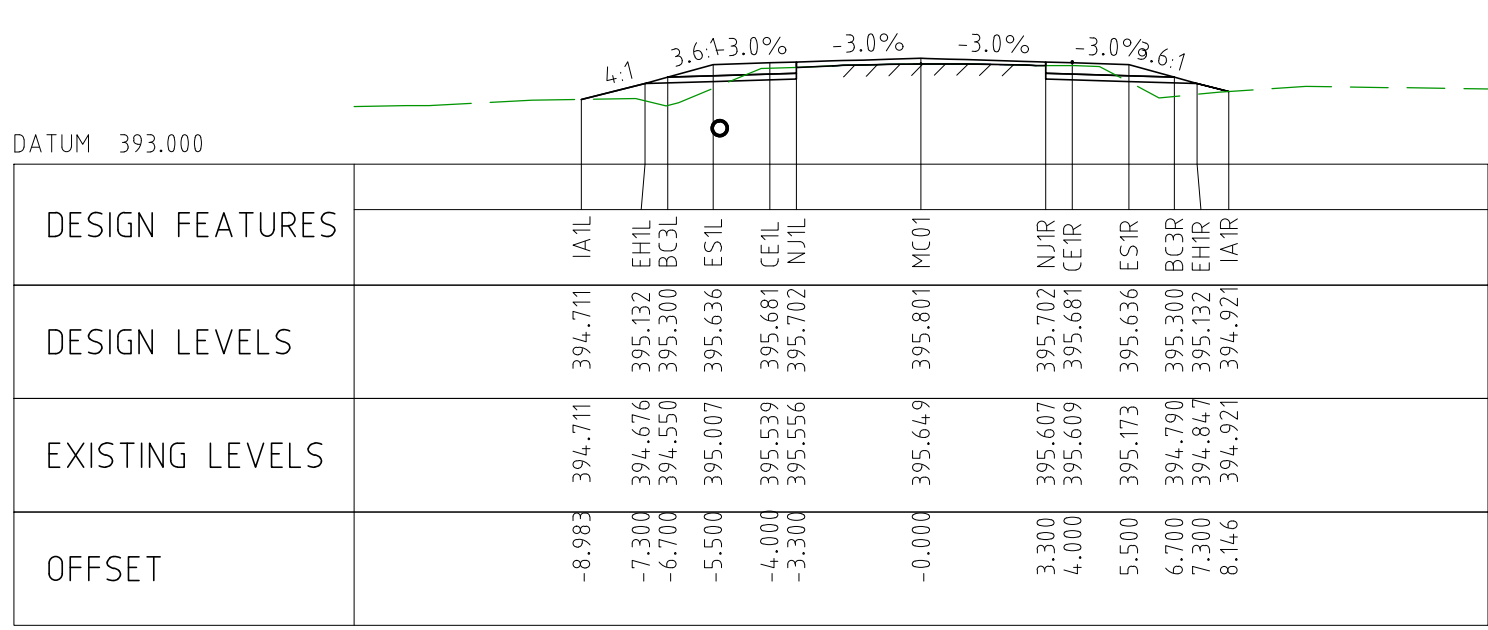
CHAINAGE 8850



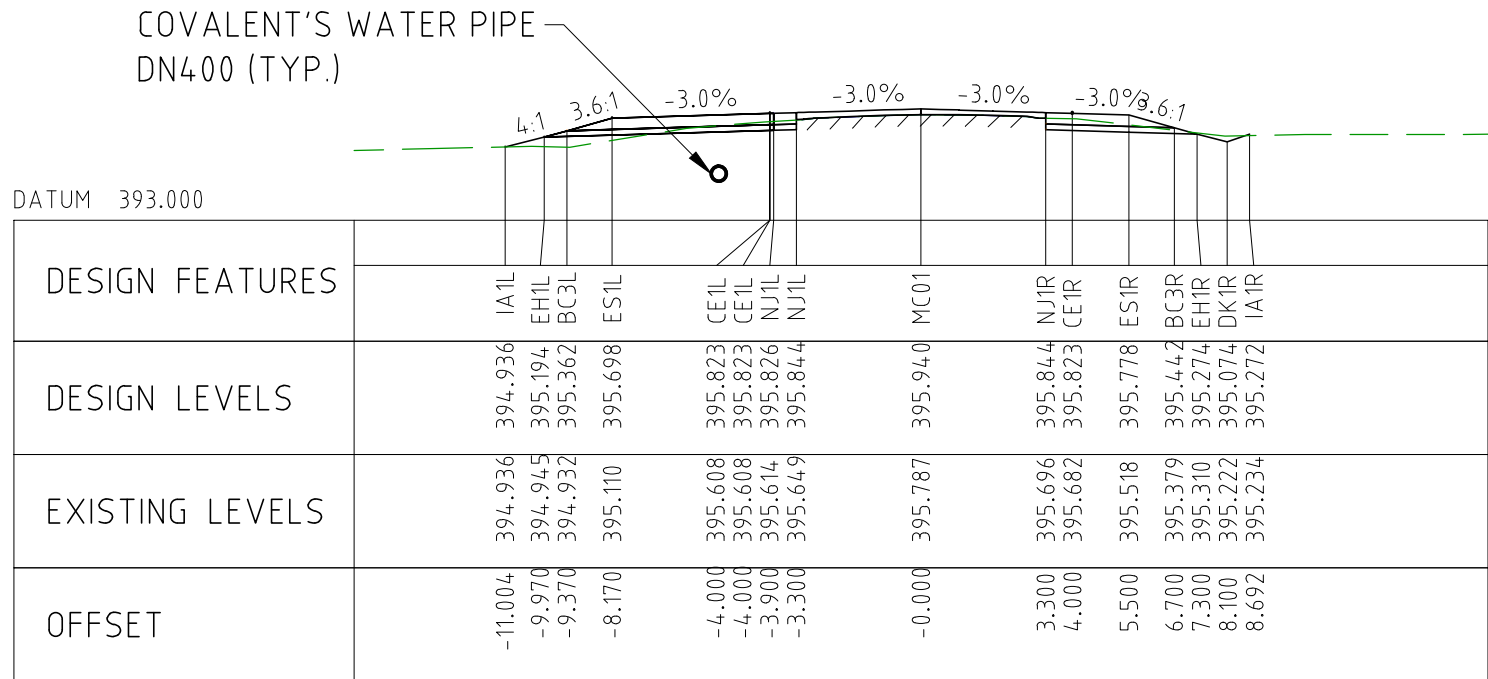
CHAINAGE 8800



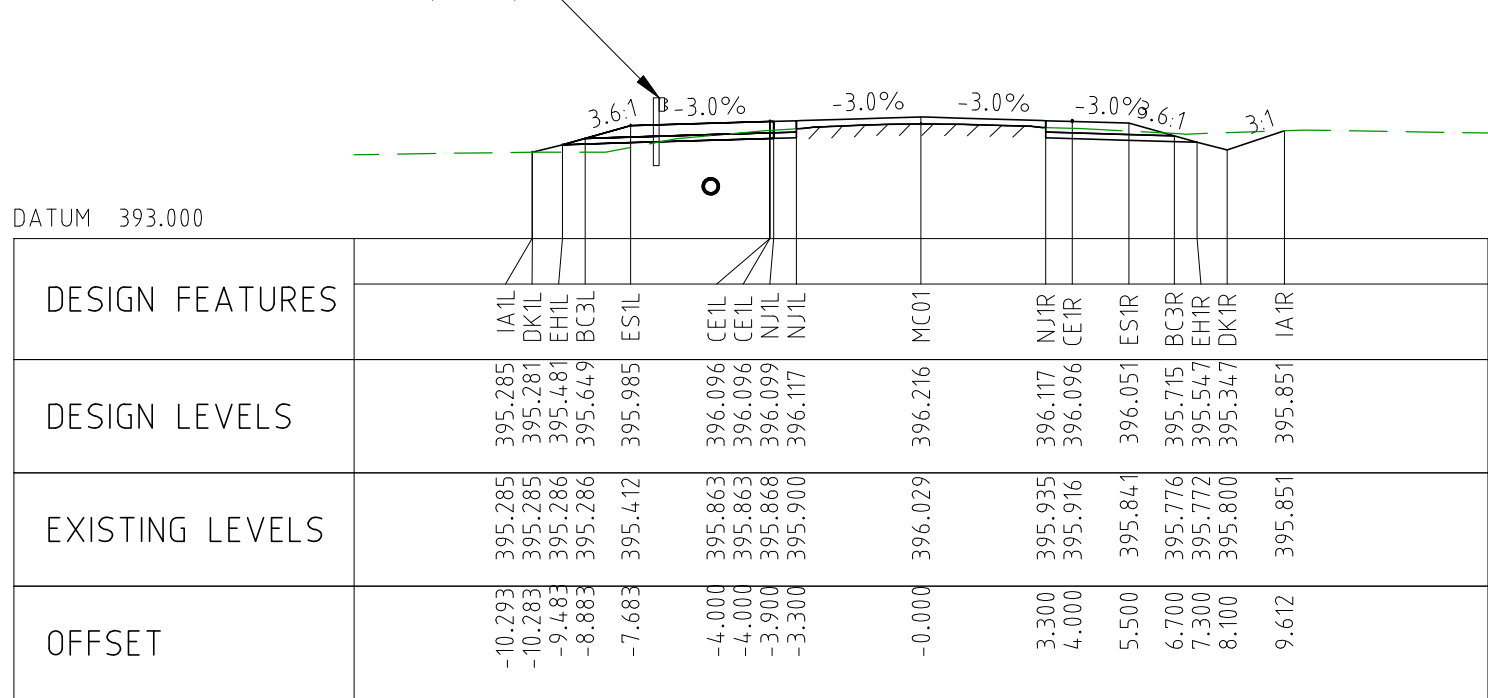
CHAINAGE 8750



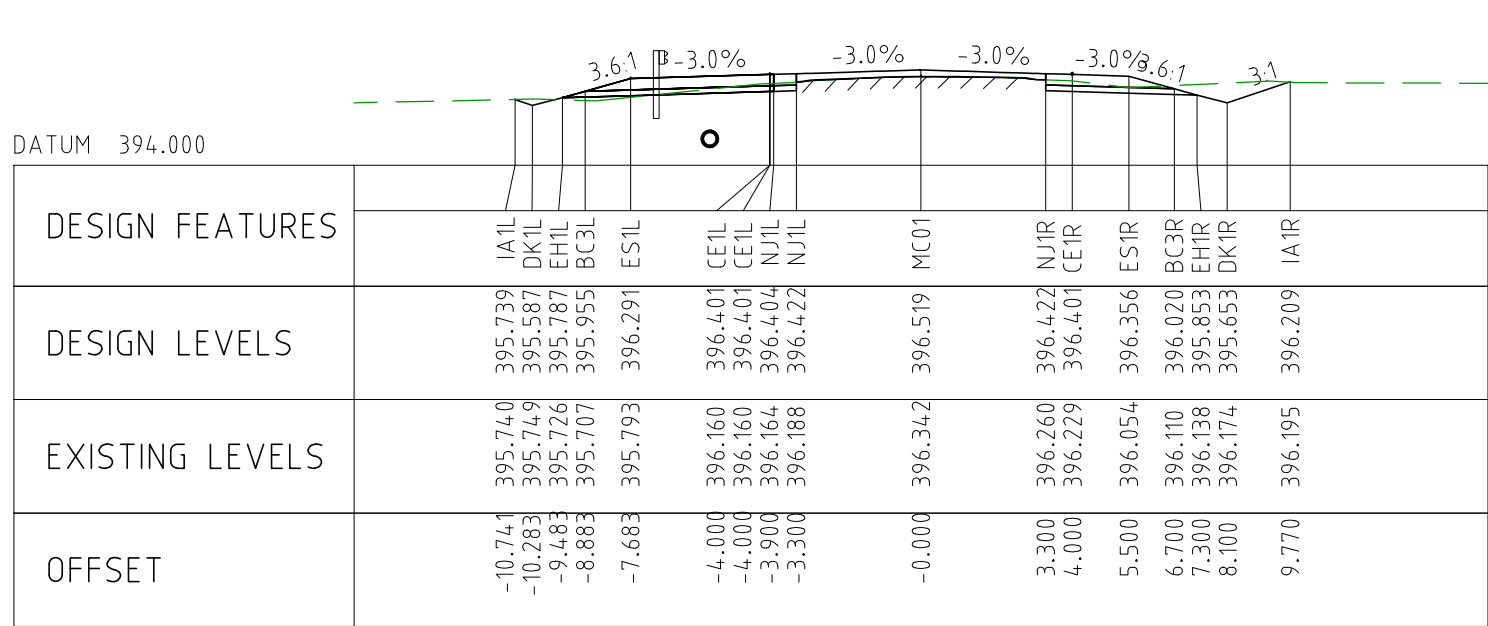
CHAINAGE 9200



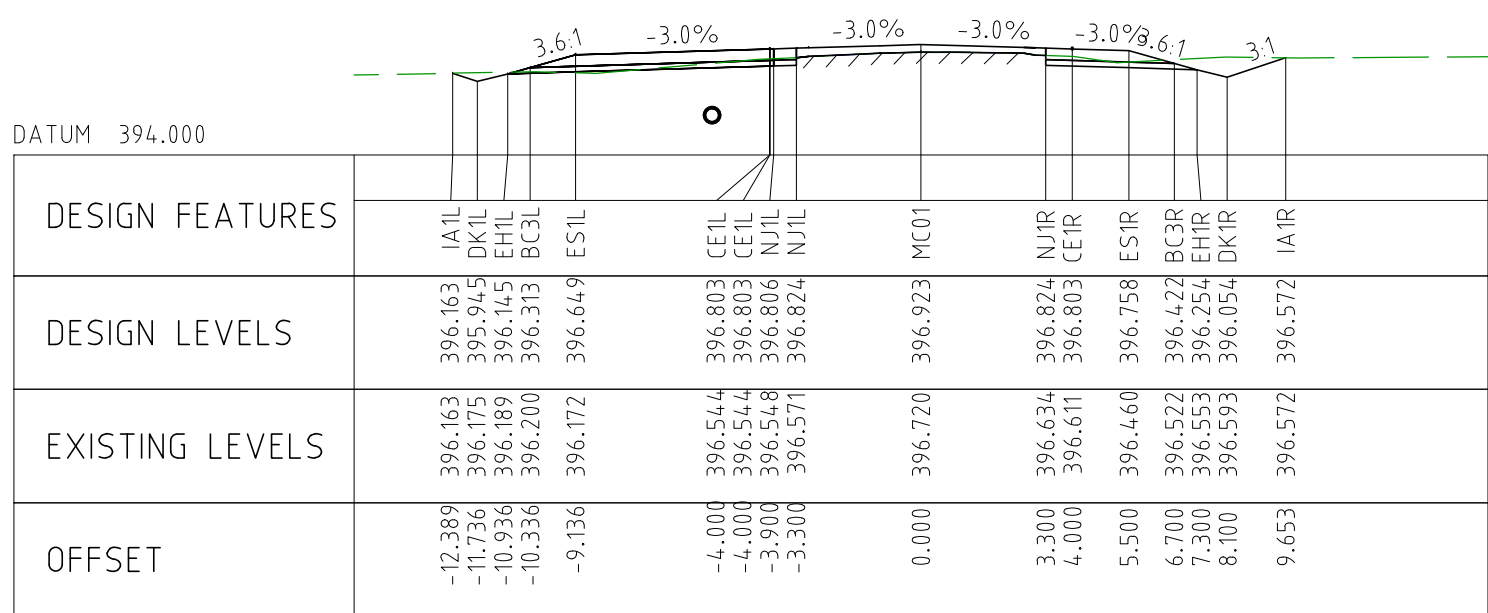
CHAINAGE 9150



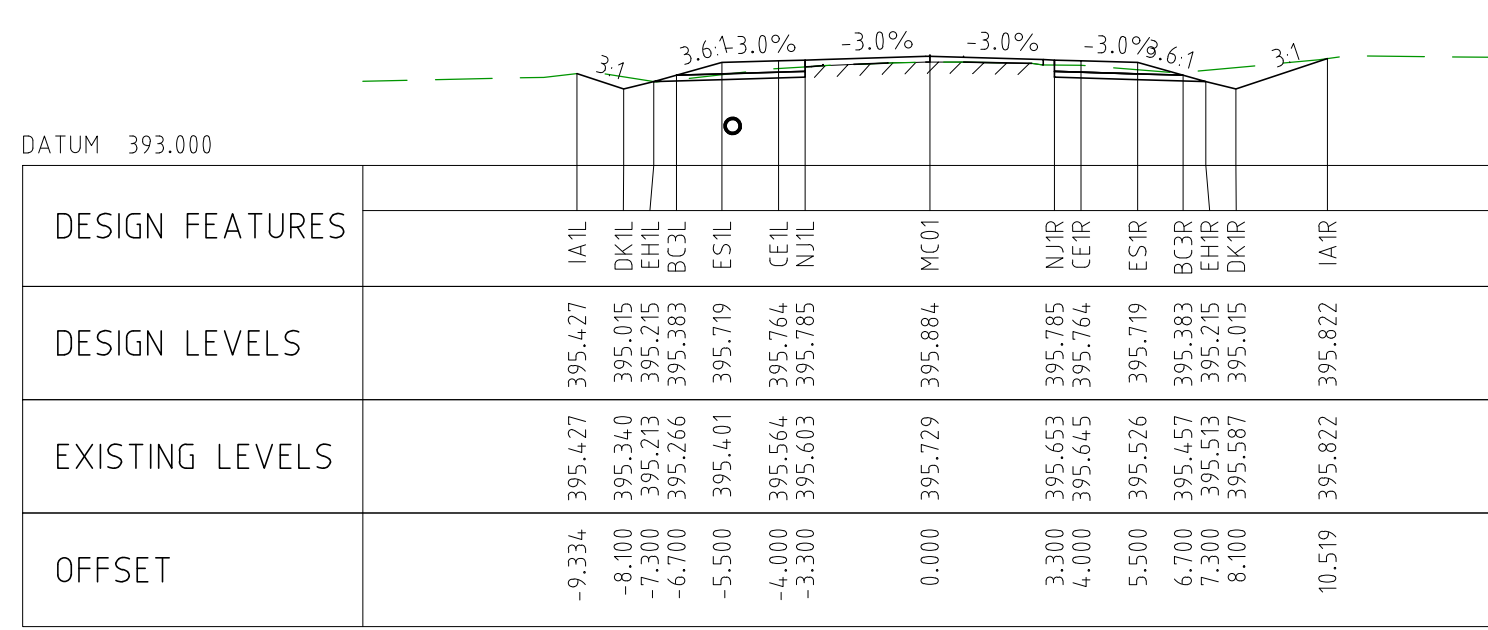
CHAINAGE 9100



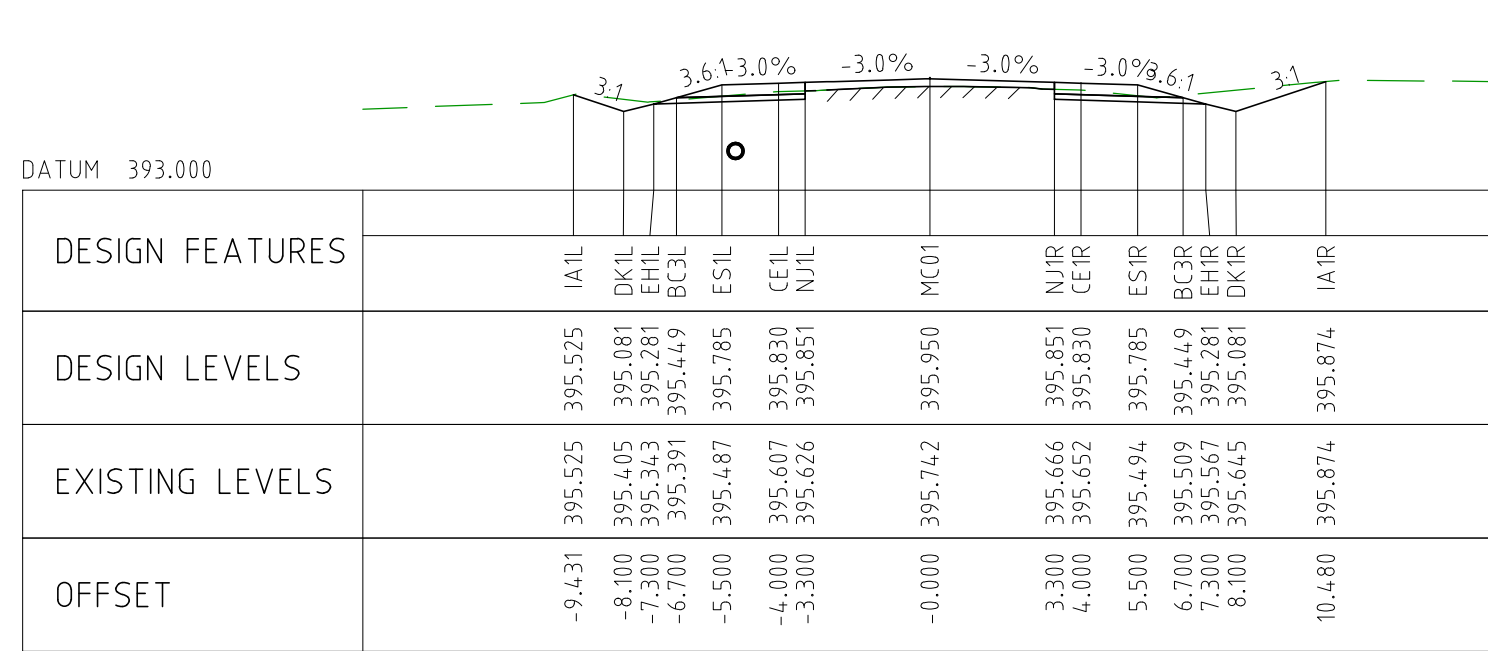
CHAINAGE 9050



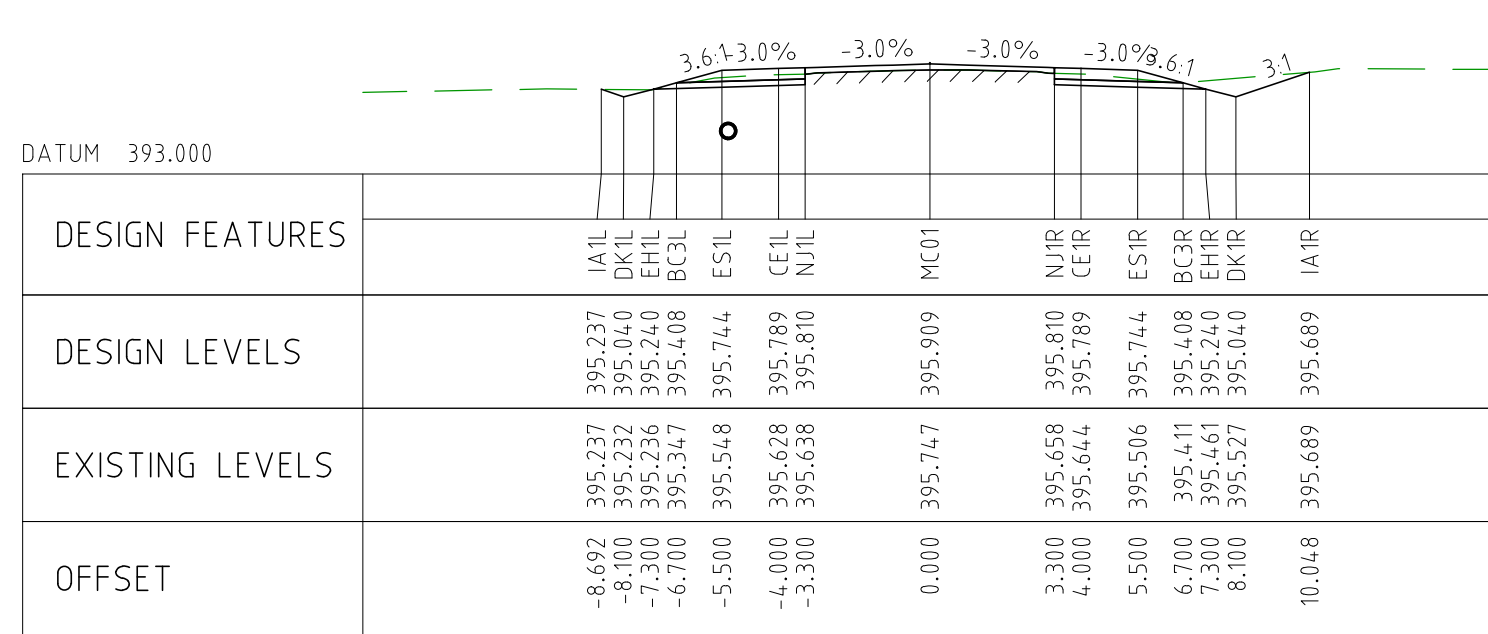
CHAINAGE 9000



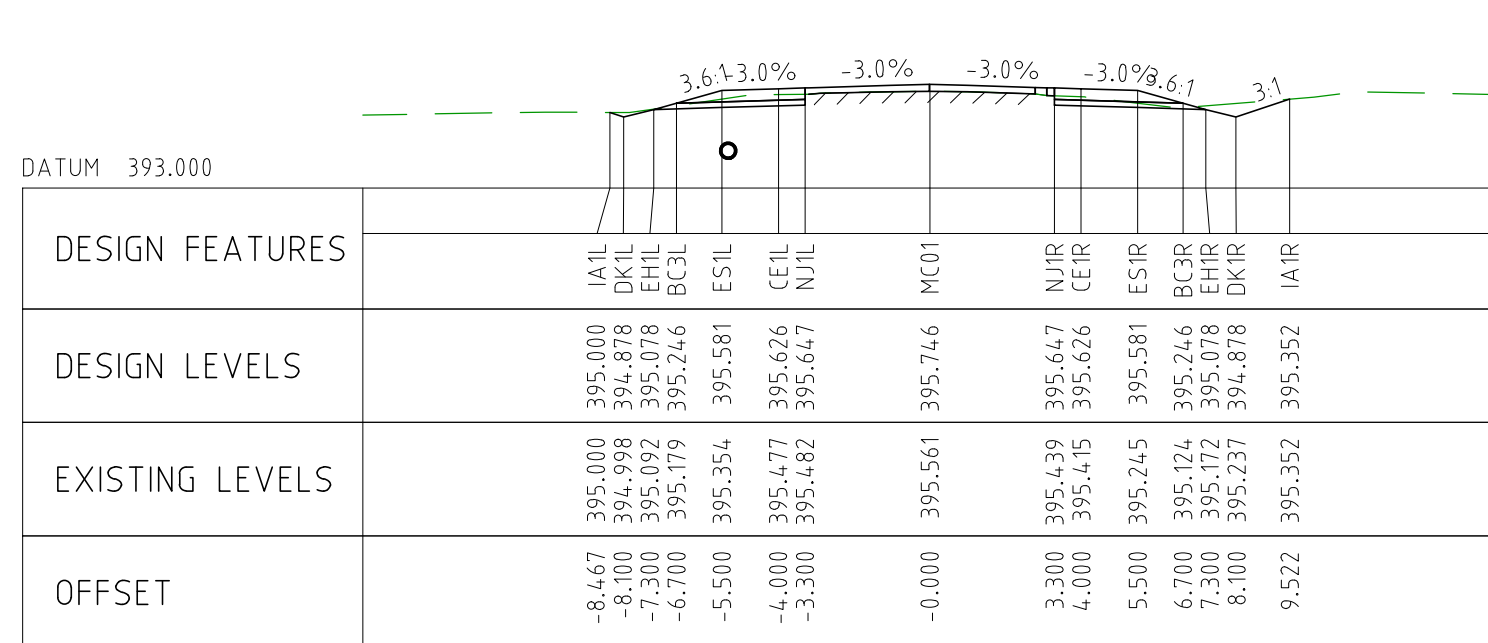
CHAINAGE 9450



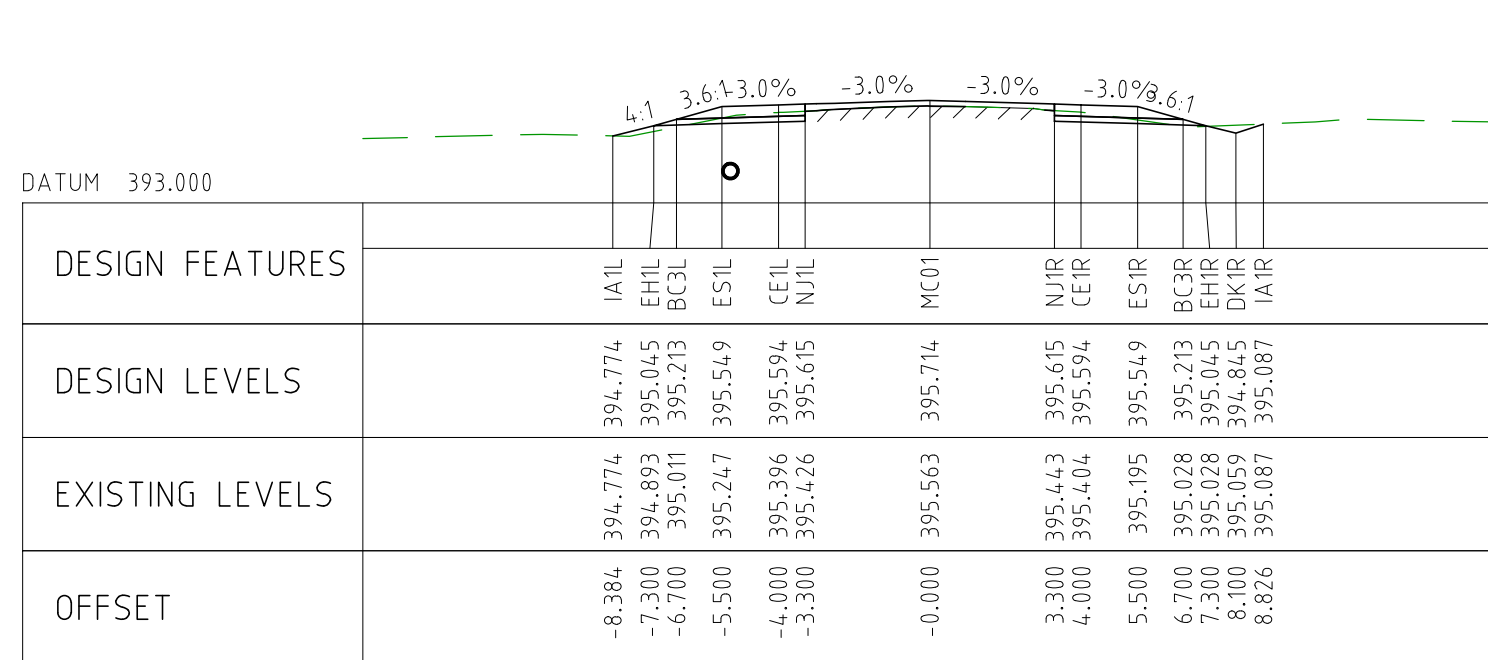
CHAINAGE 9400



CHAINAGE 9350



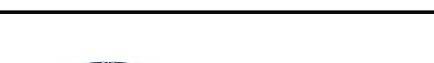

CHAINAGE 9300

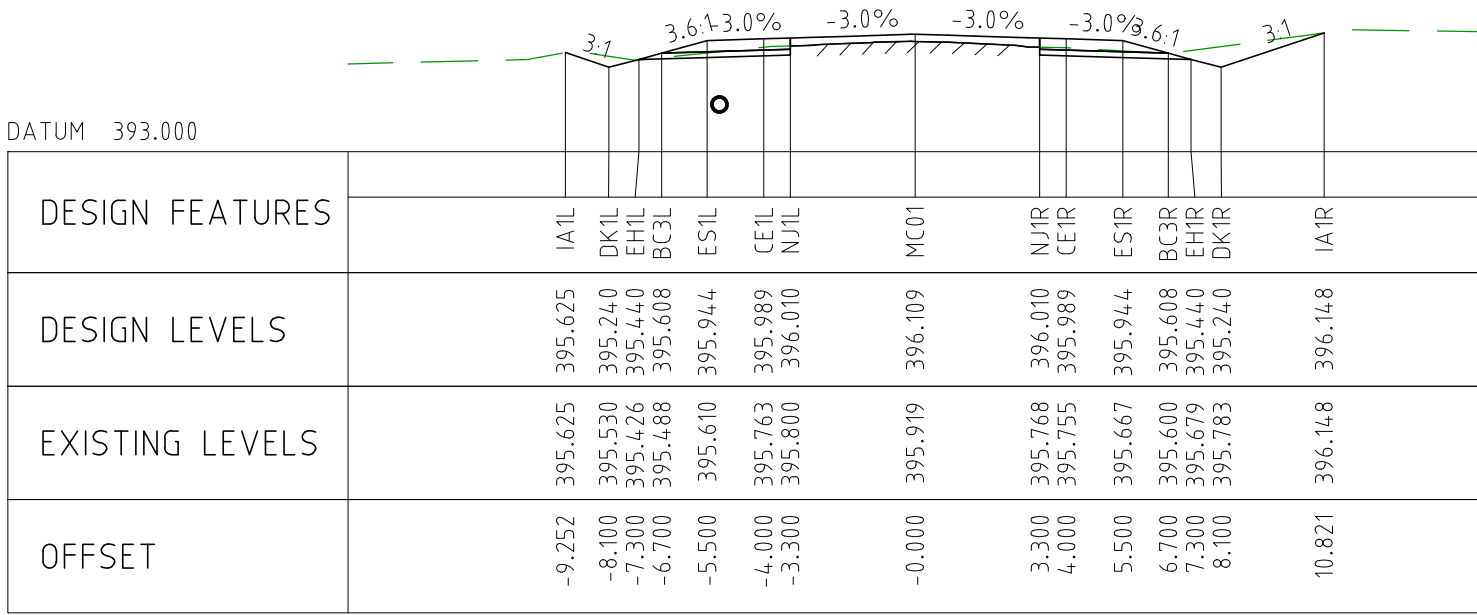


CHAINAGE 9250

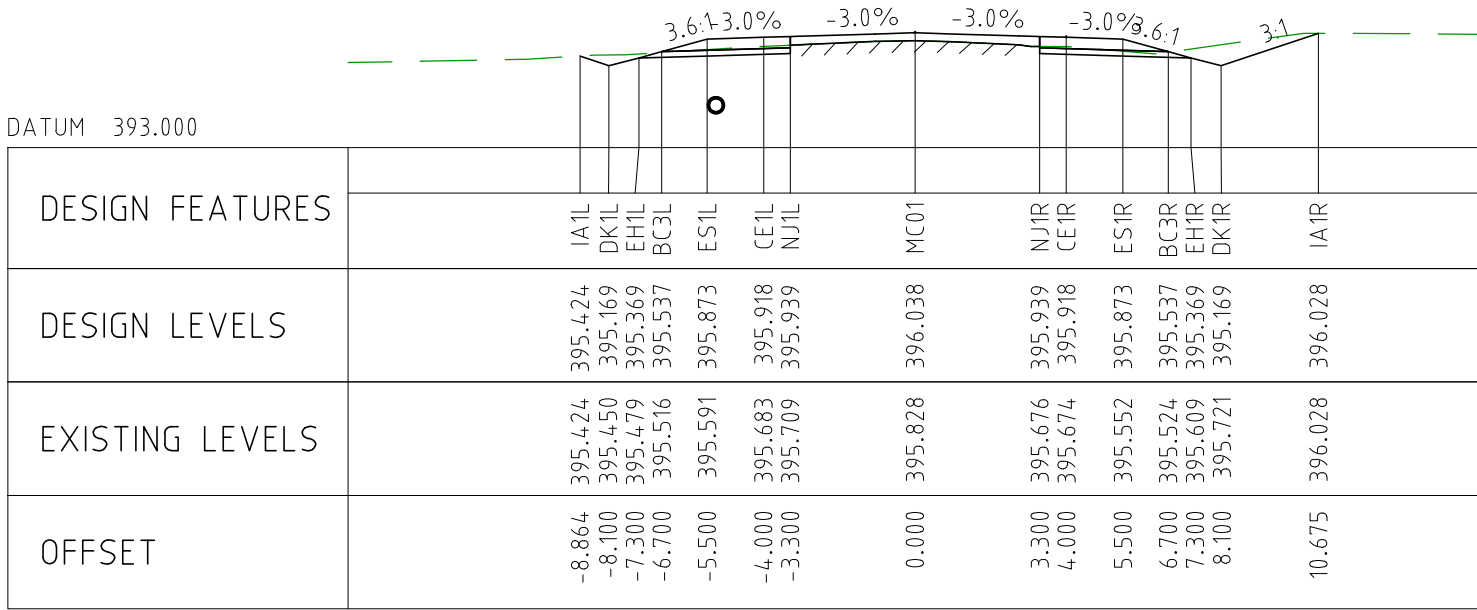
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

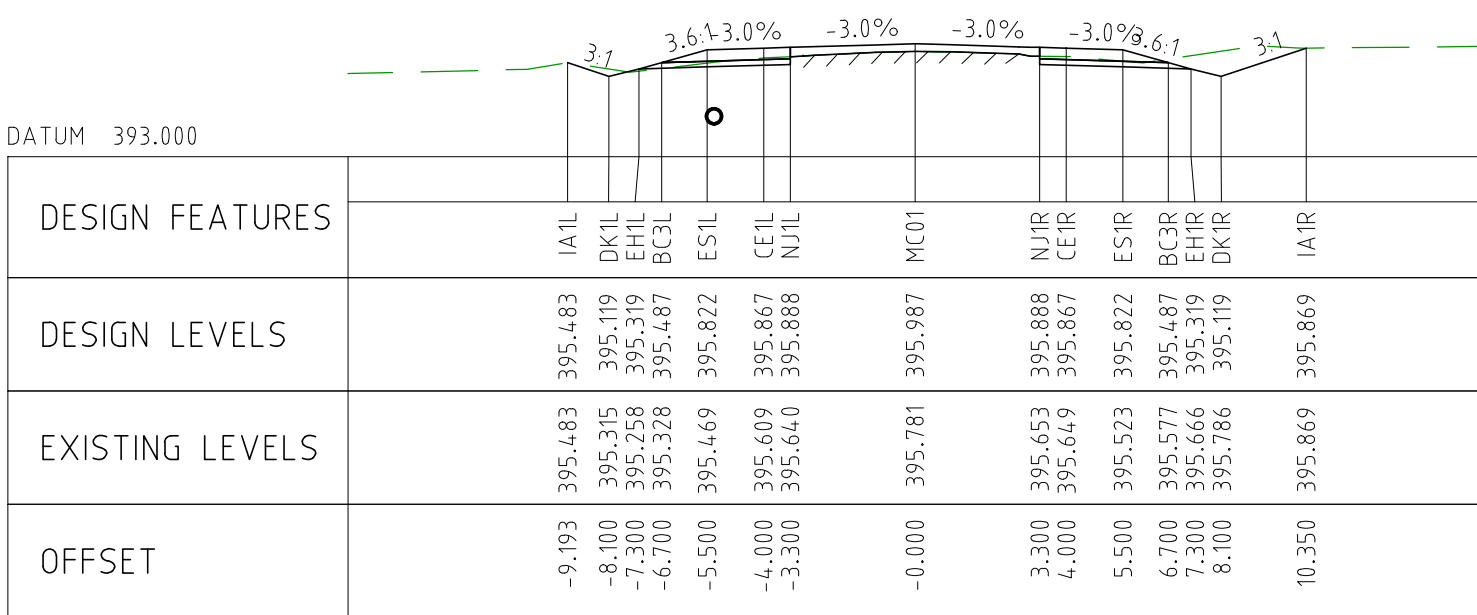
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS13.dwg				PLOT DATE 04 Nov 2022		TIME 12:11:10		CLIENT DOCUMENT No COV-M040-CI-DWG-0125							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div>		<div><div>Member of the Surlana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div>SMC PROJECT No 3006493</div>	<div></div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 13 OF 41		
								</							



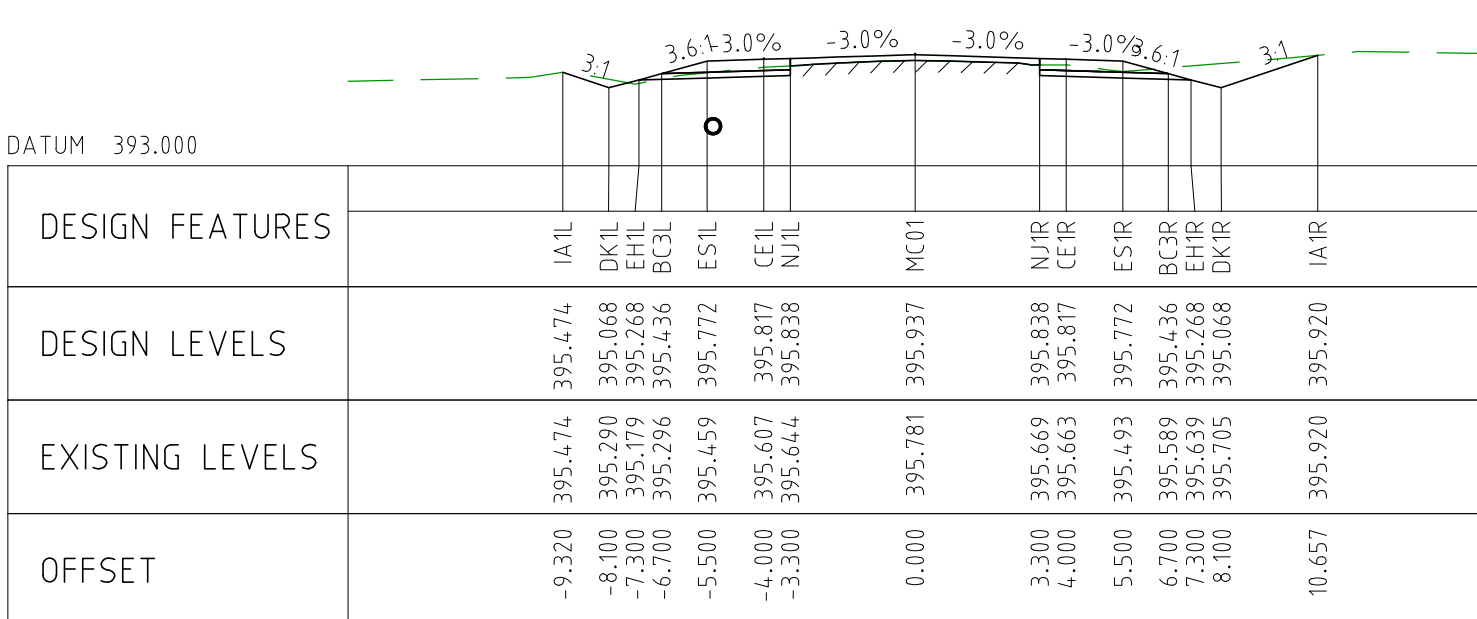
CHAINAGE 9700



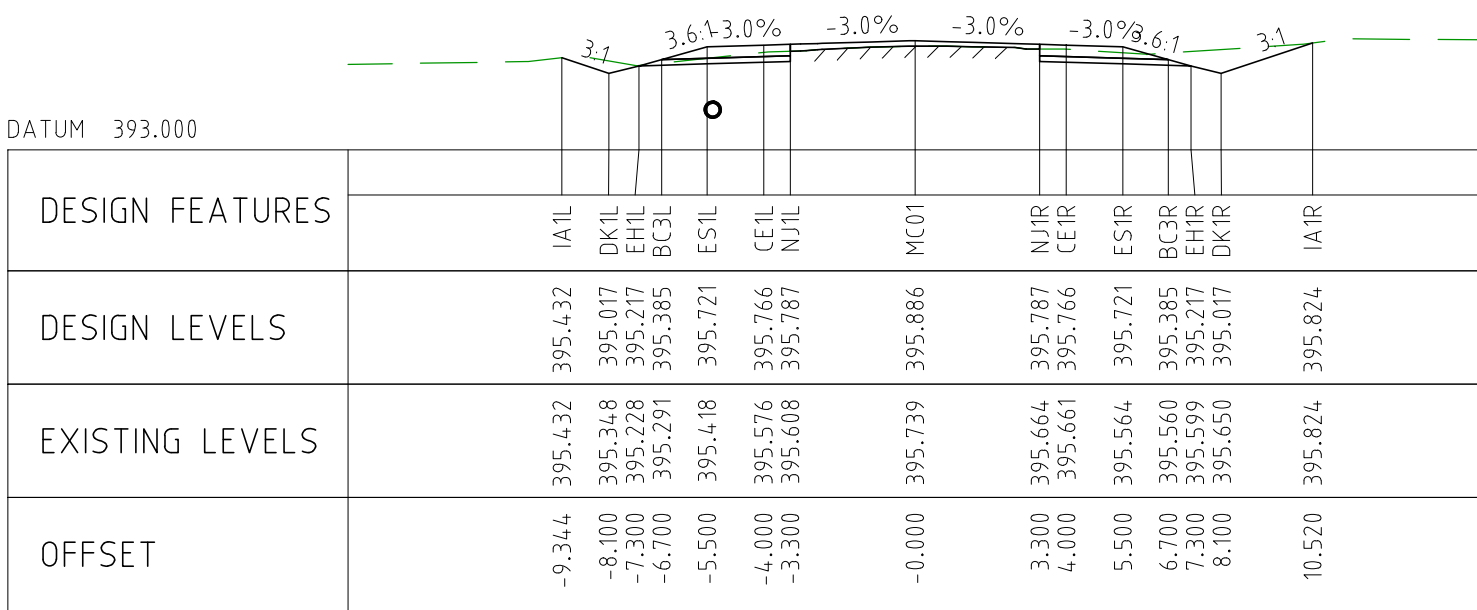
CHAINAGE 9650



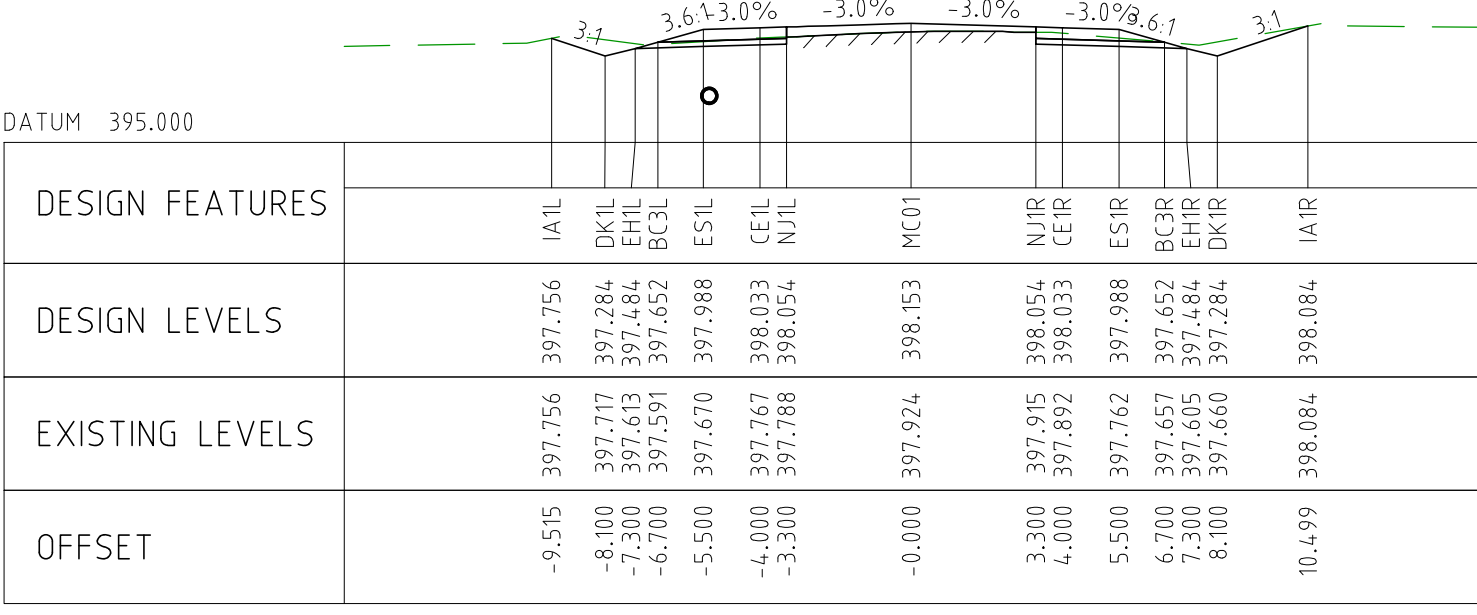
CHAINAGE 9600



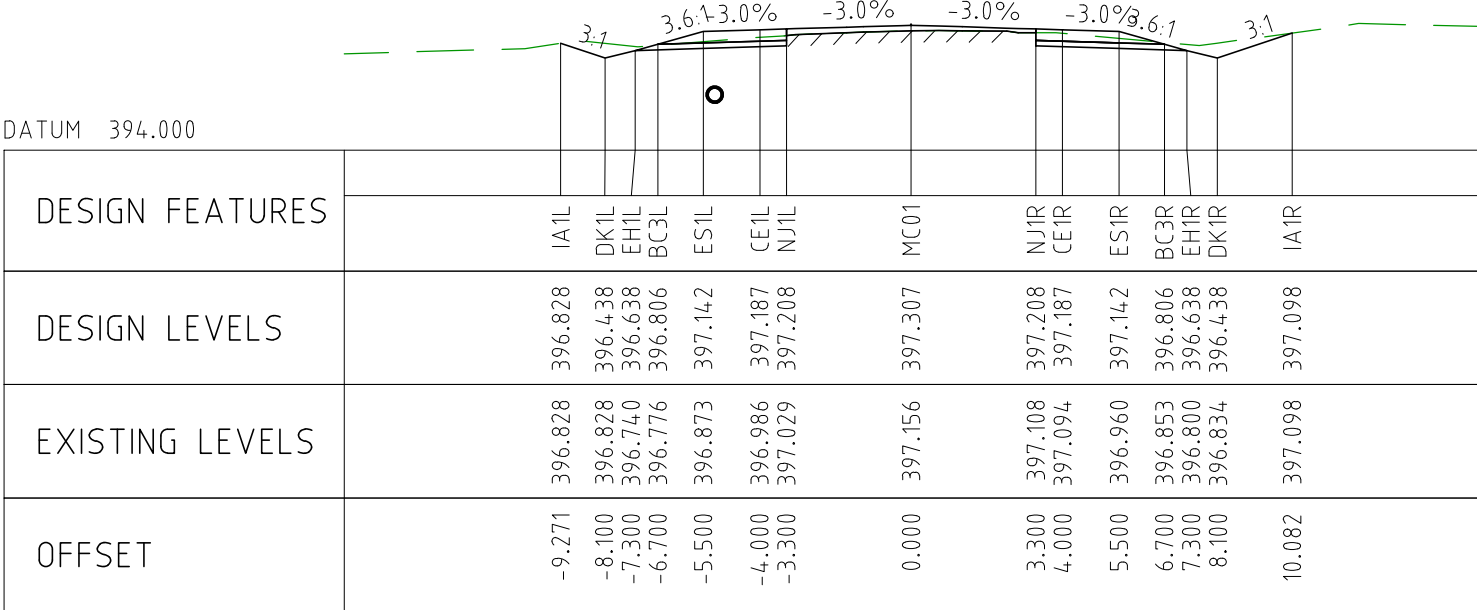
CHAINAGE 9550



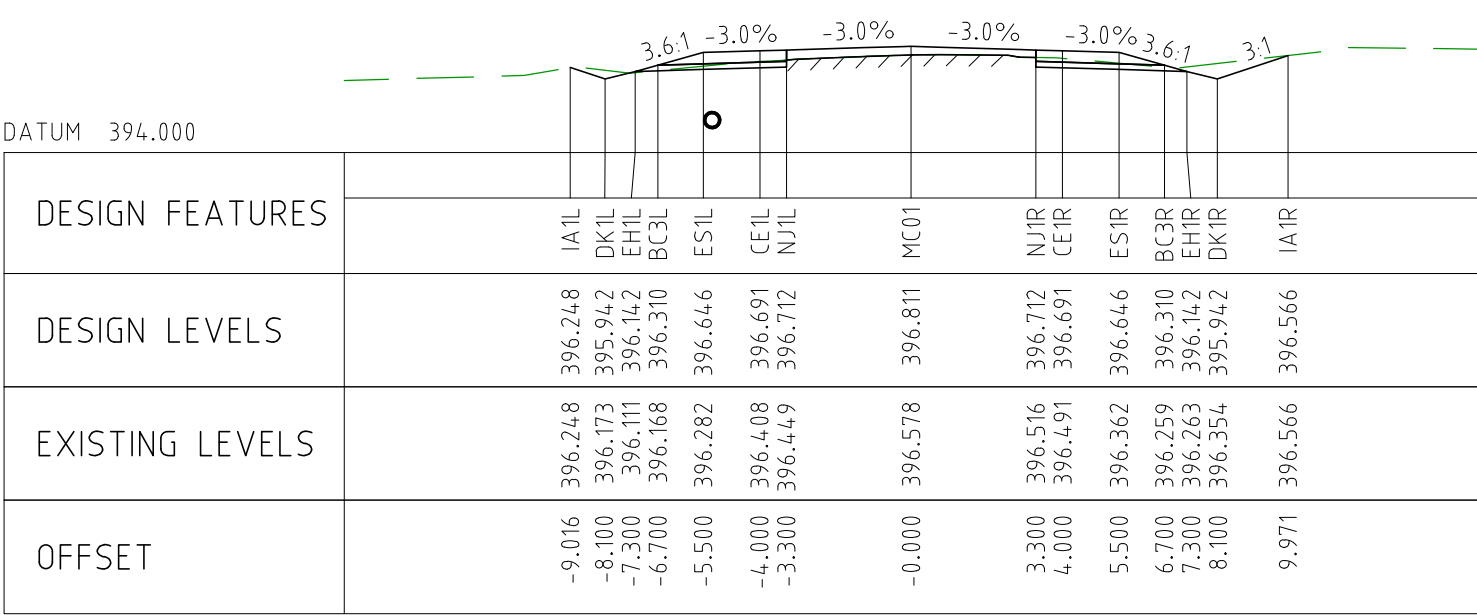
CHAINAGE 9500



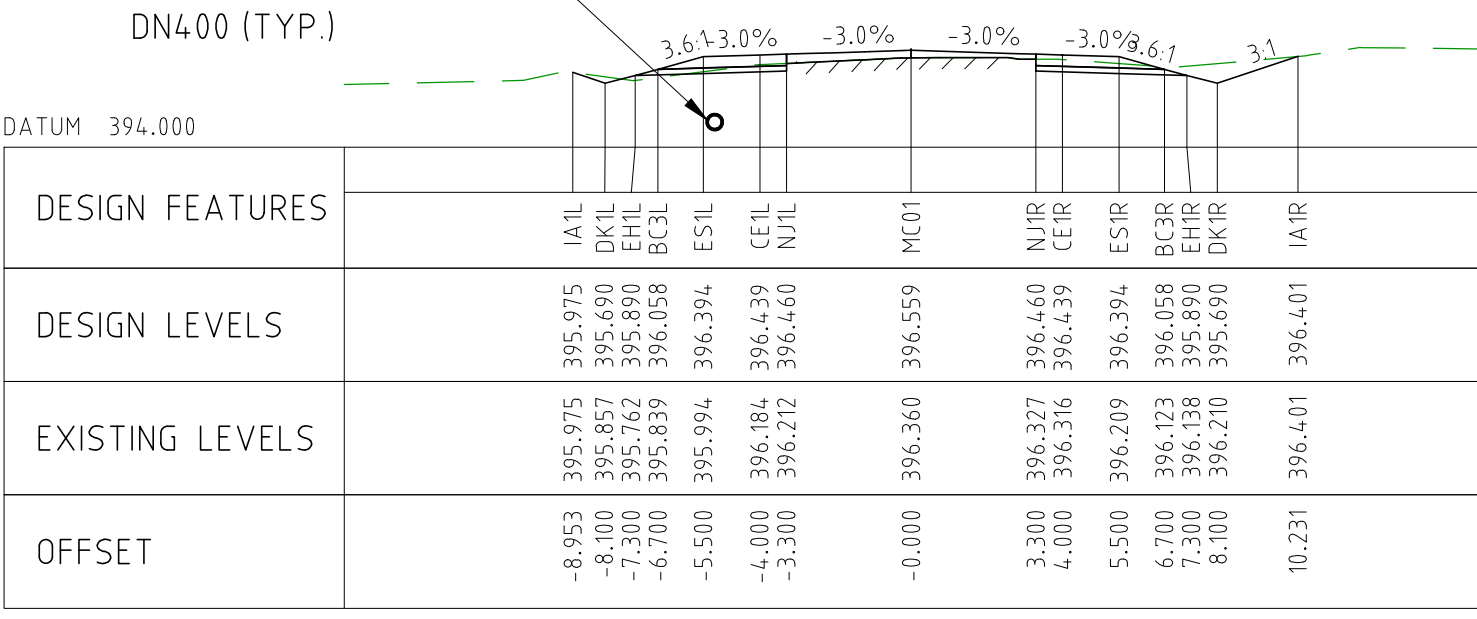
CHAINAGE 9950



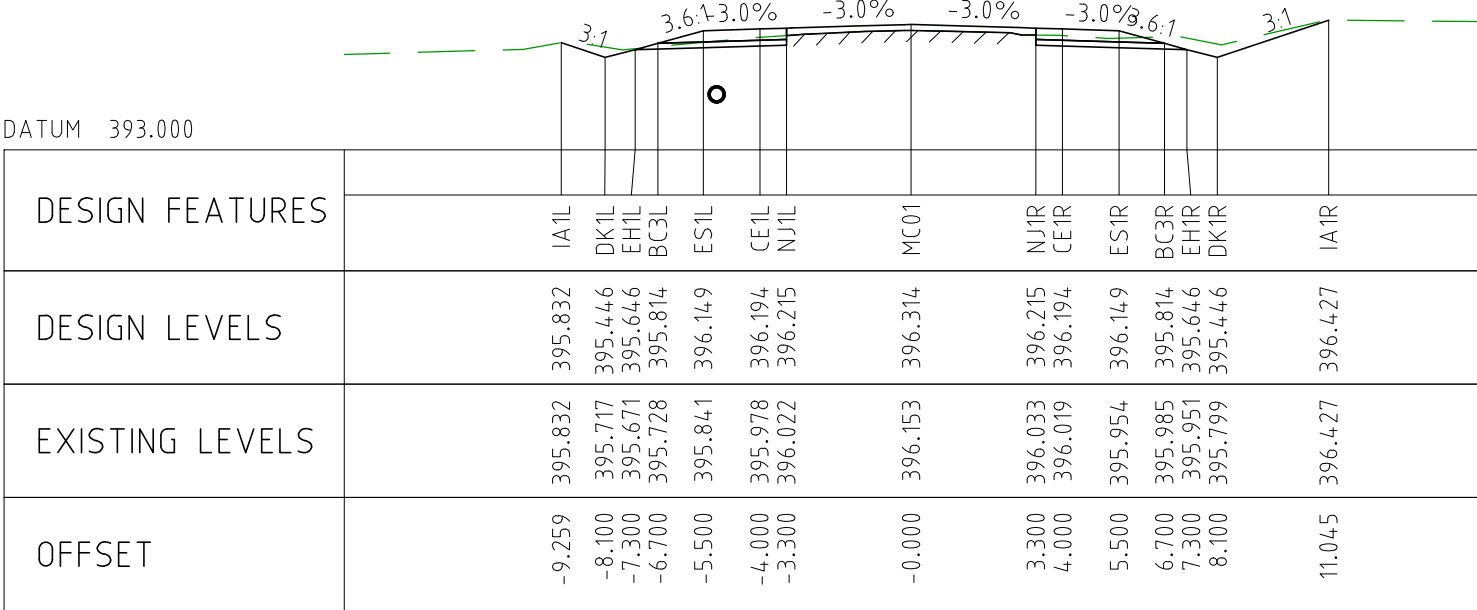
CHAINAGE 9900



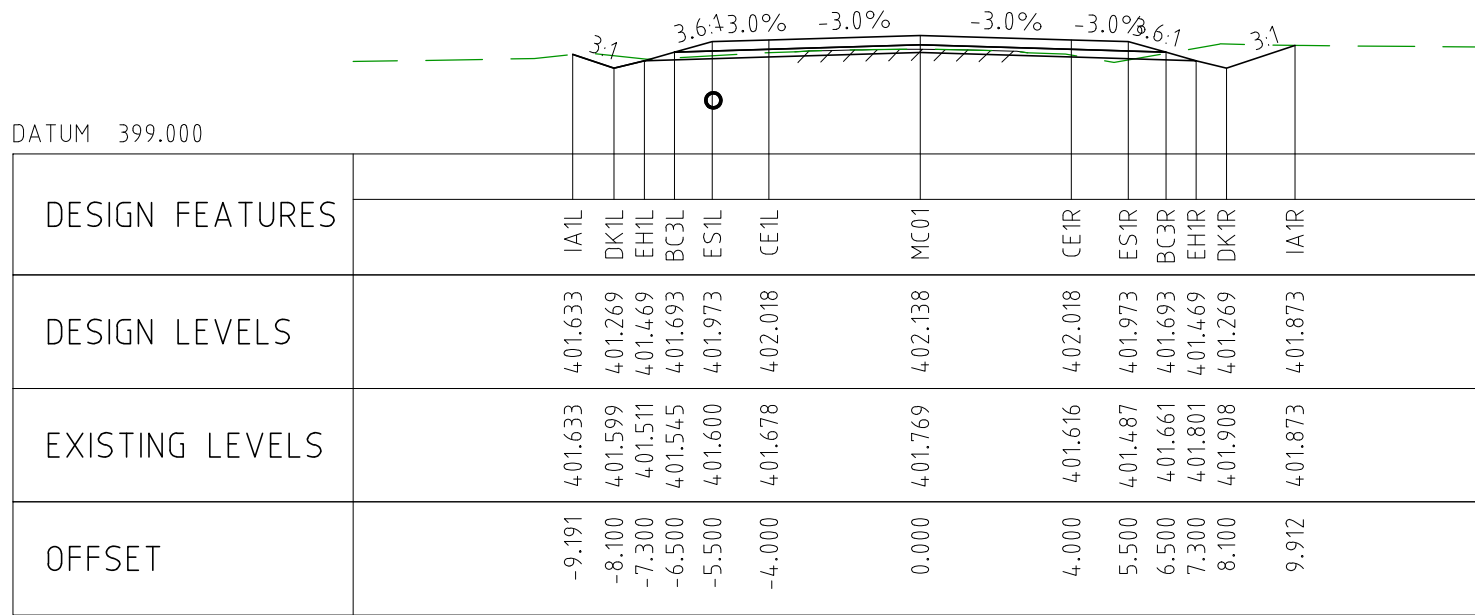
CHAINAGE 9850



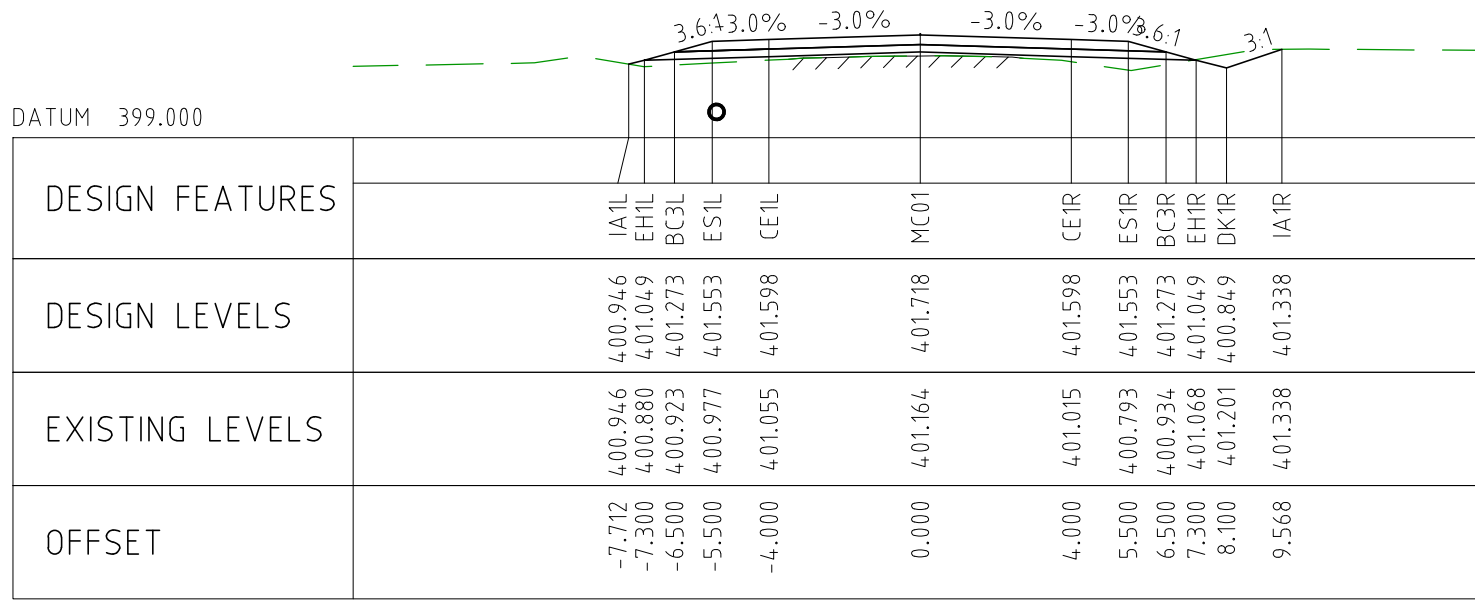
CHAINAGE 9800



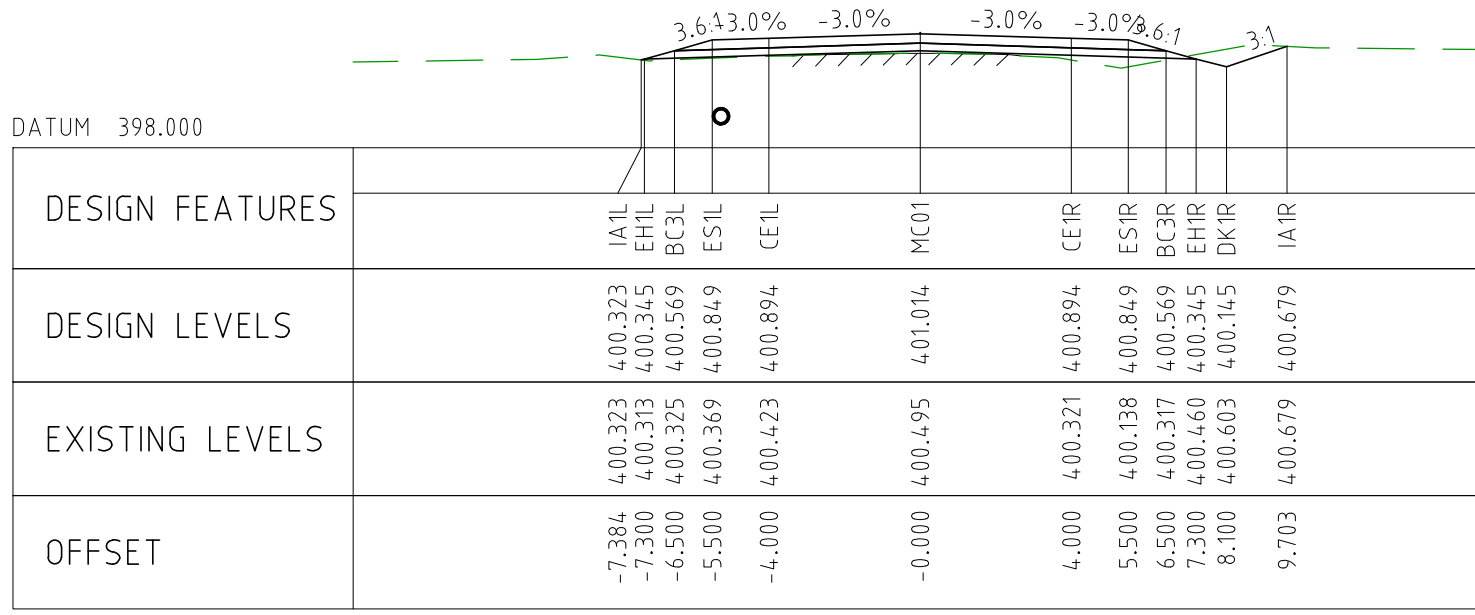
CHAINAGE 9750



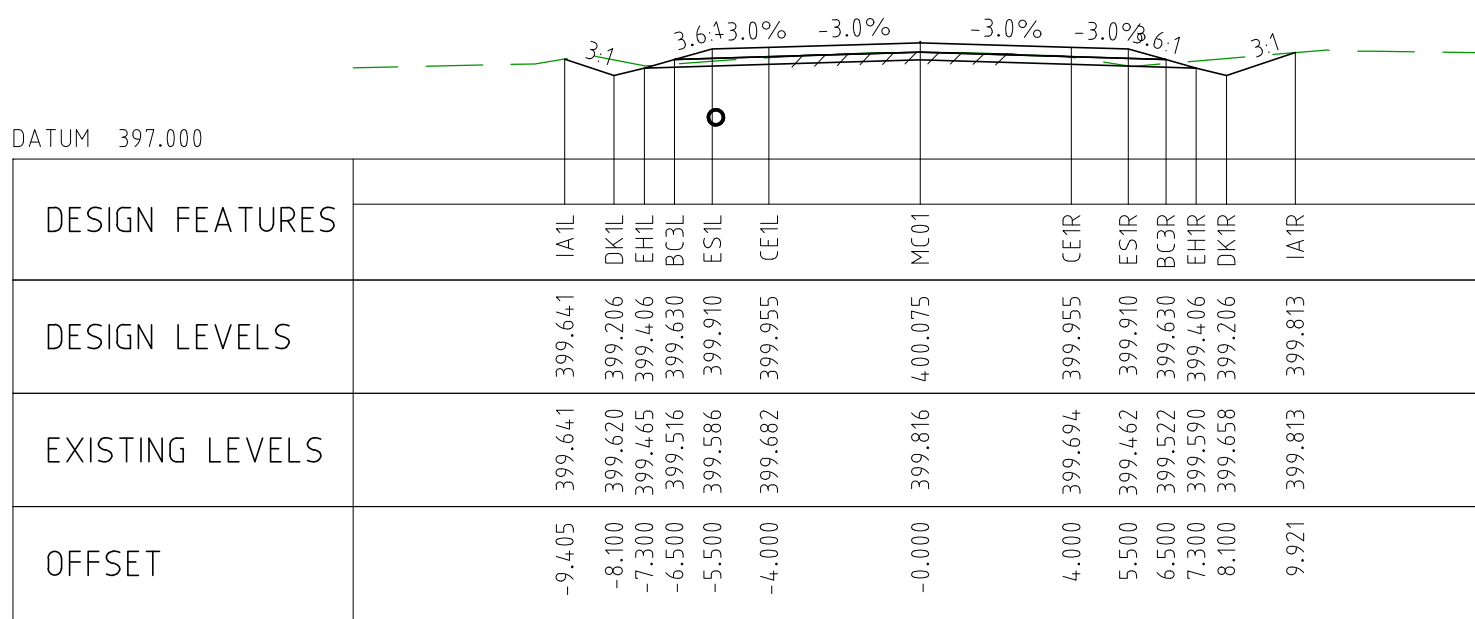
CHAINAGE 10200



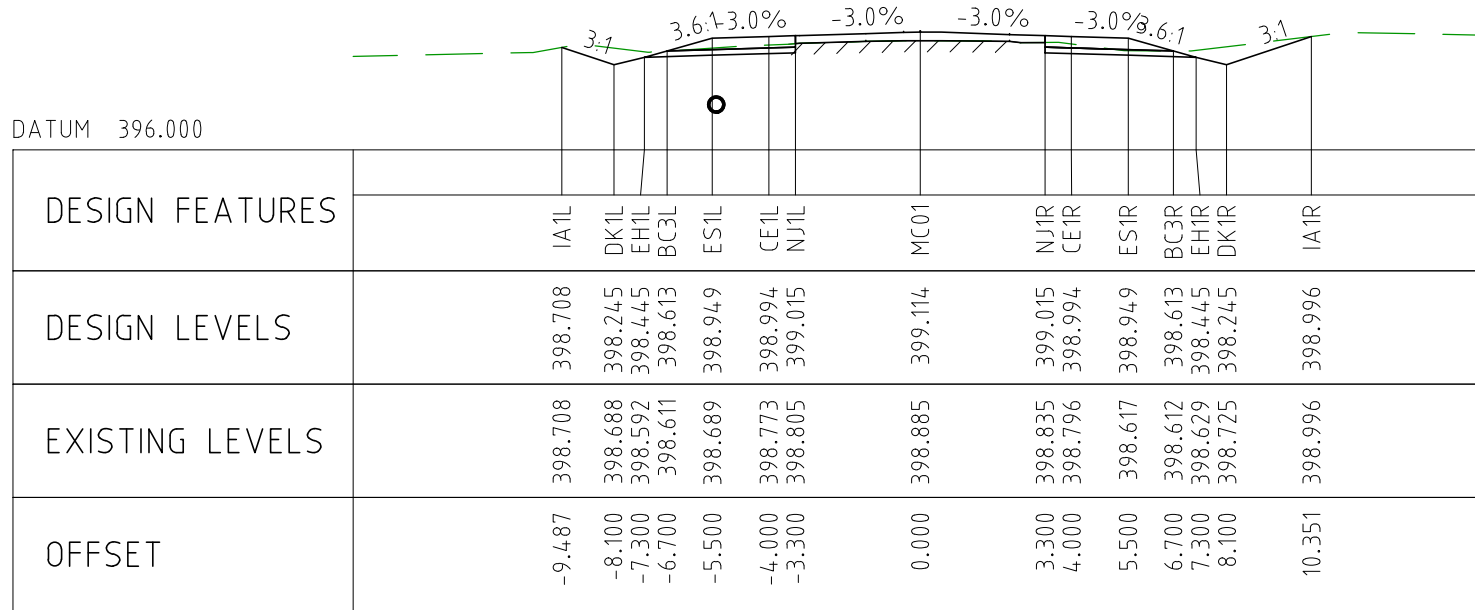
CHAINAGE 10150



CHAINAGE 10100



CHAINAGE 10050

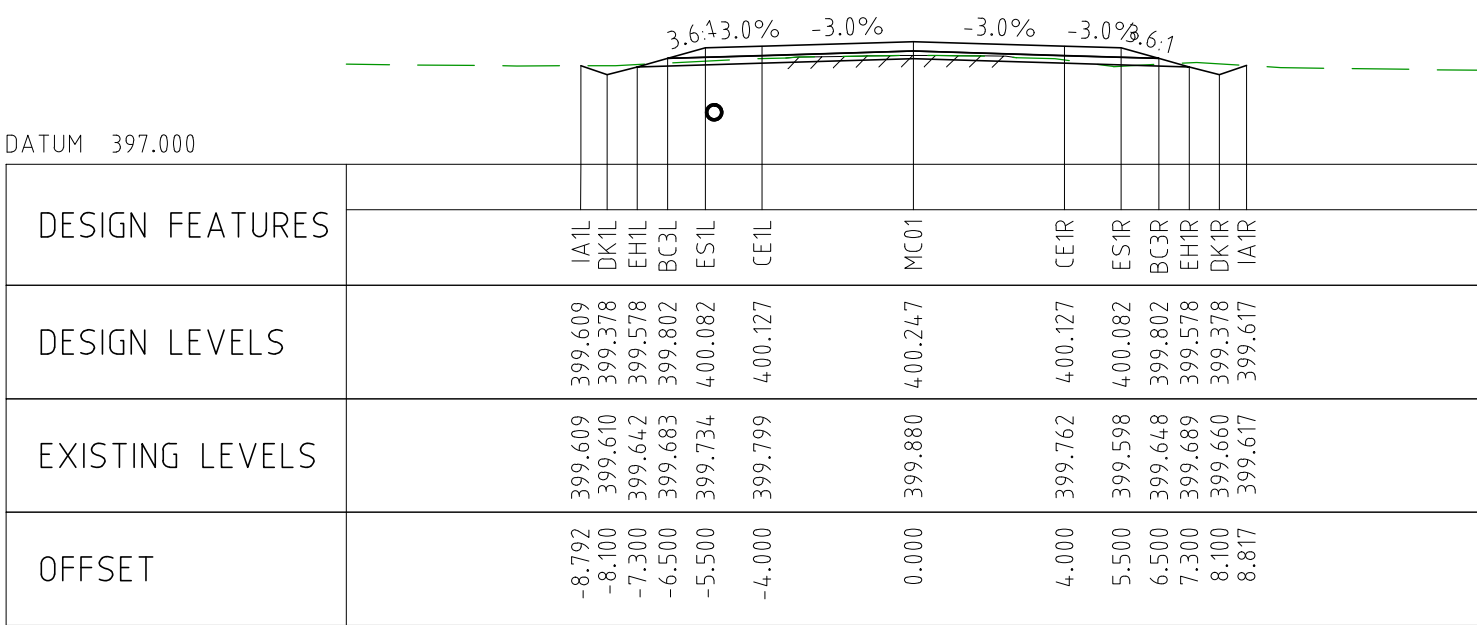


CHAINAGE 10000

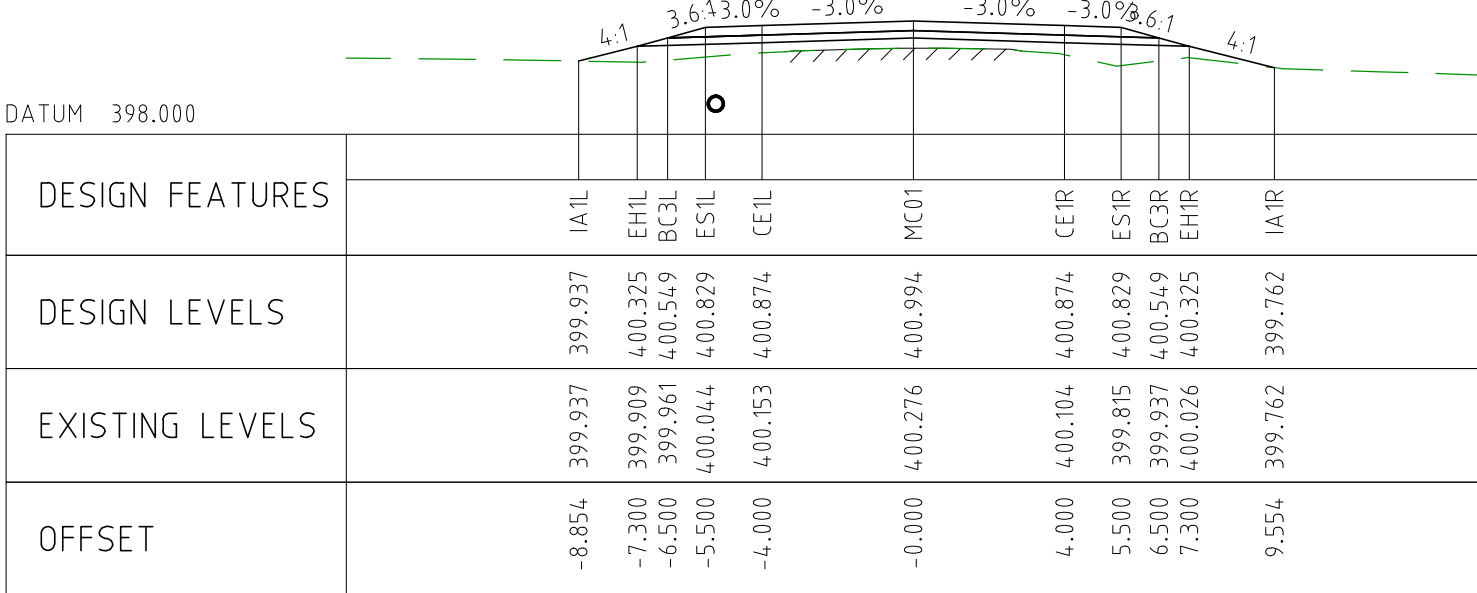
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

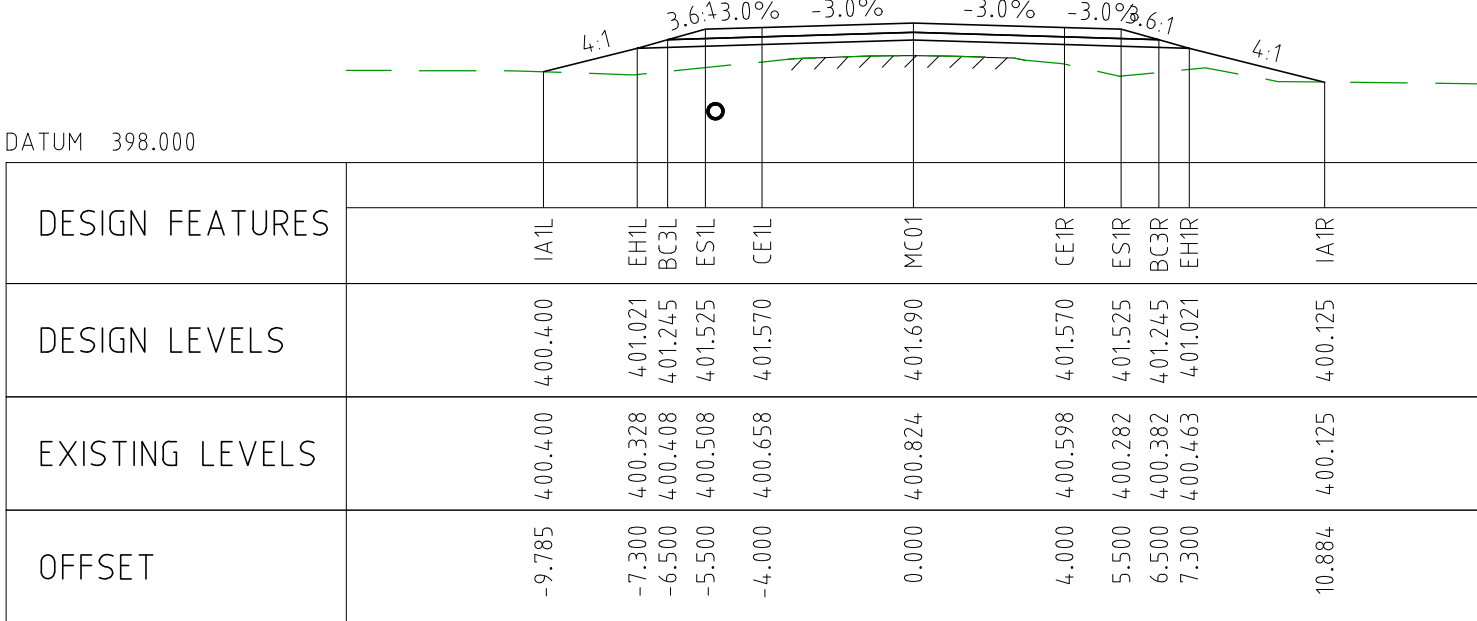
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS14.dwg				PLOT DATE 04 Nov 2022		TIME 12:11:51		CLIENT DOCUMENT No COV-M040-CI-DWG-0126			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD C



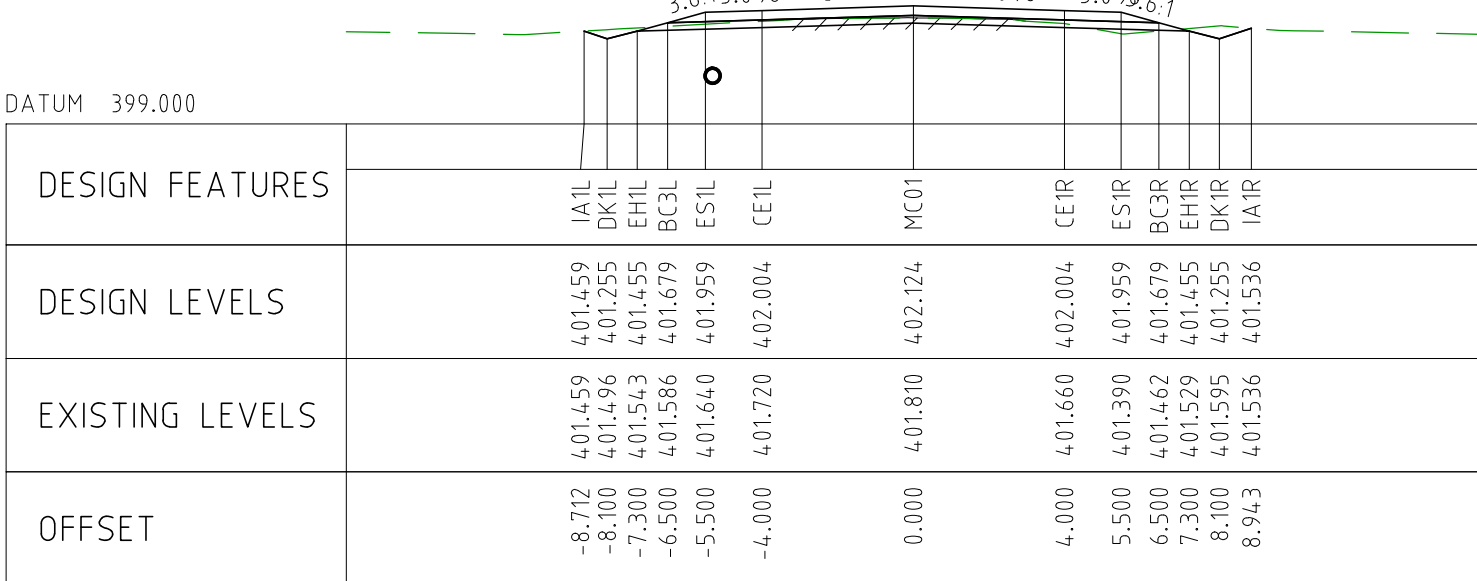
CHAINAGE 10450



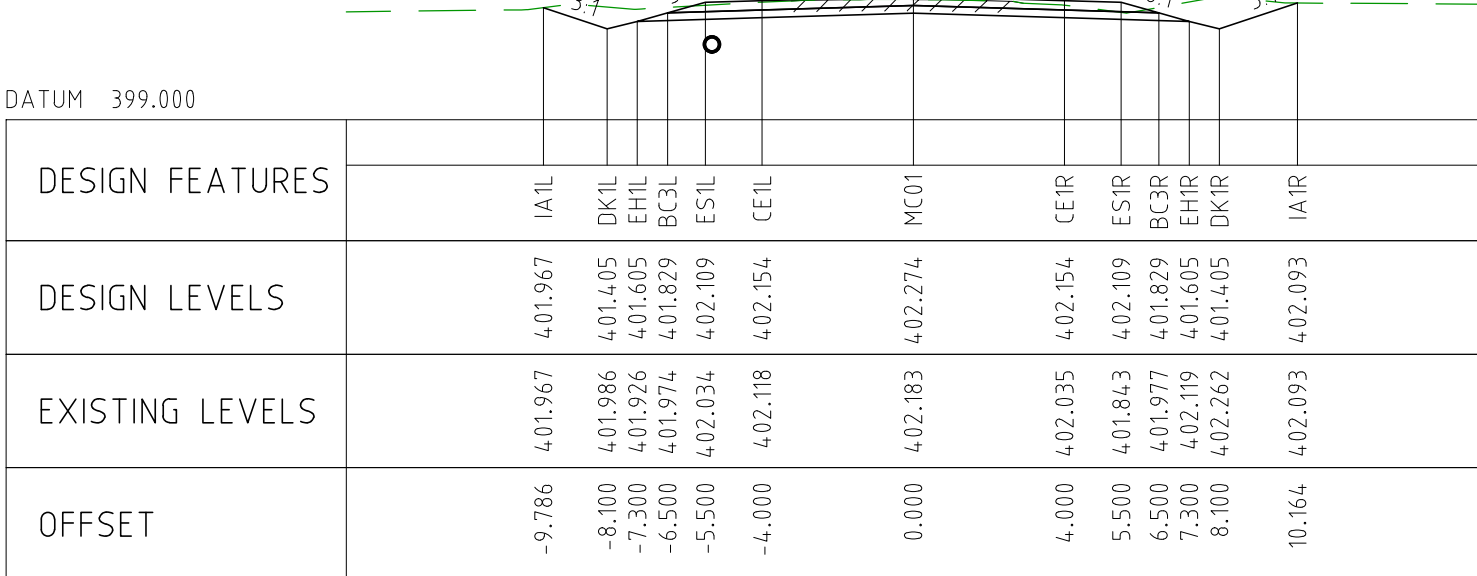
CHAINAGE 10400



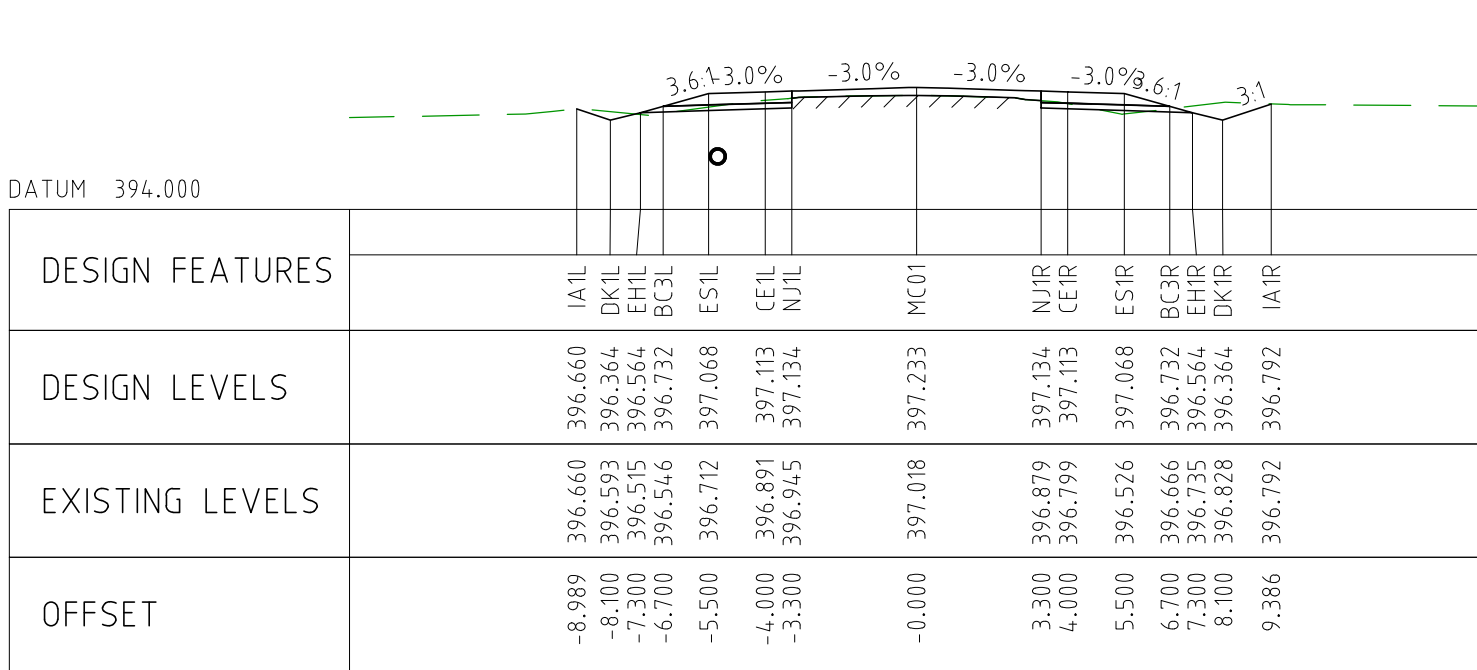
CHAINAGE 10350



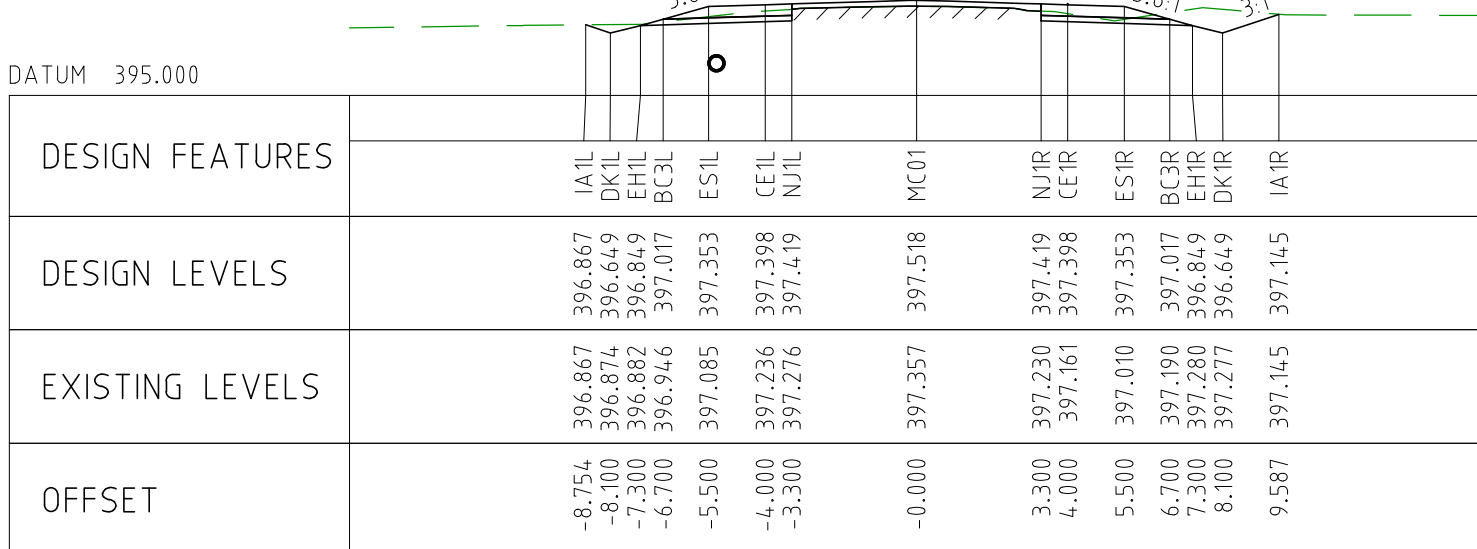
CHAINAGE 10300



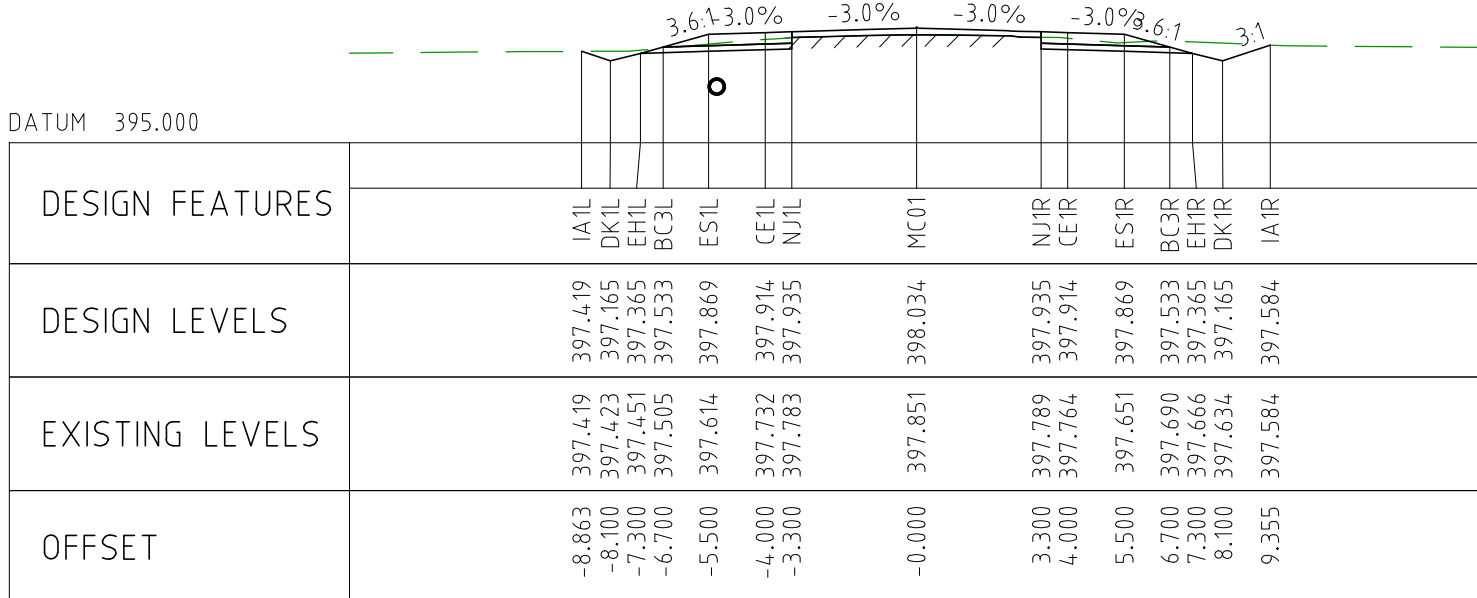
CHAINAGE 10250



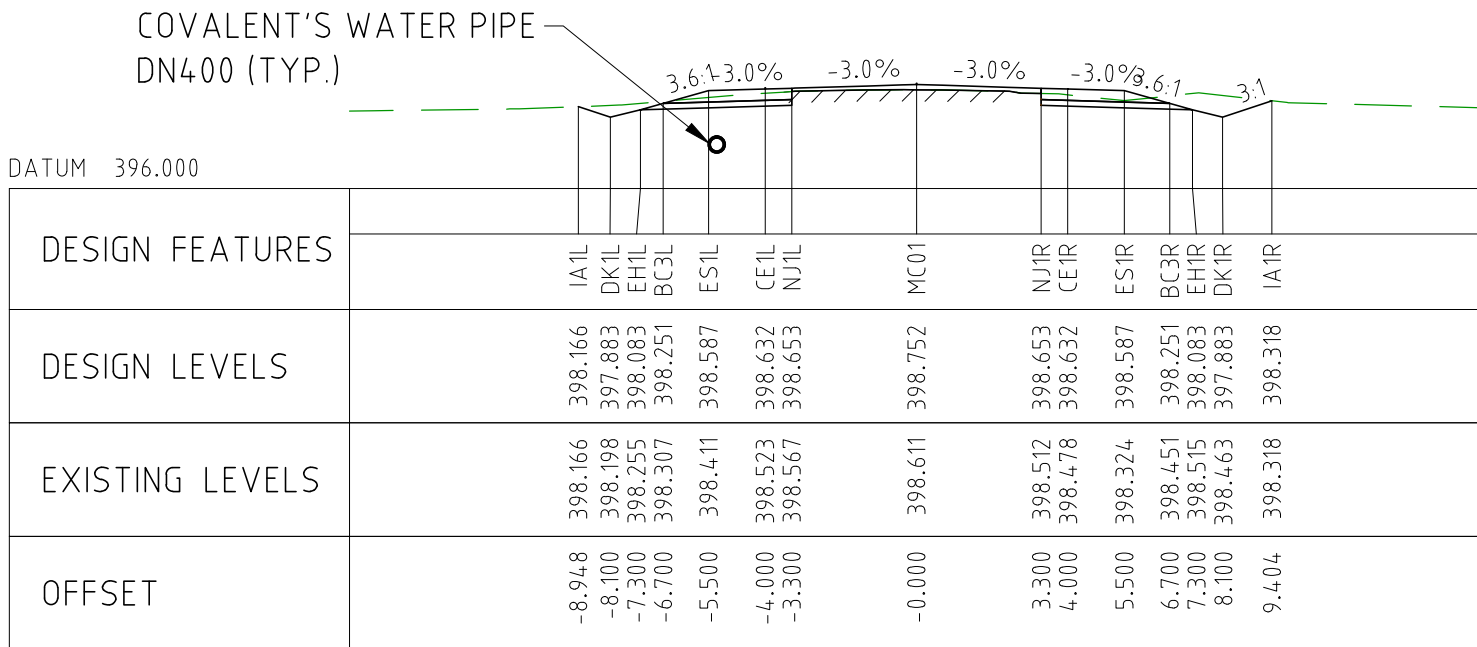
CHAINAGE 10700



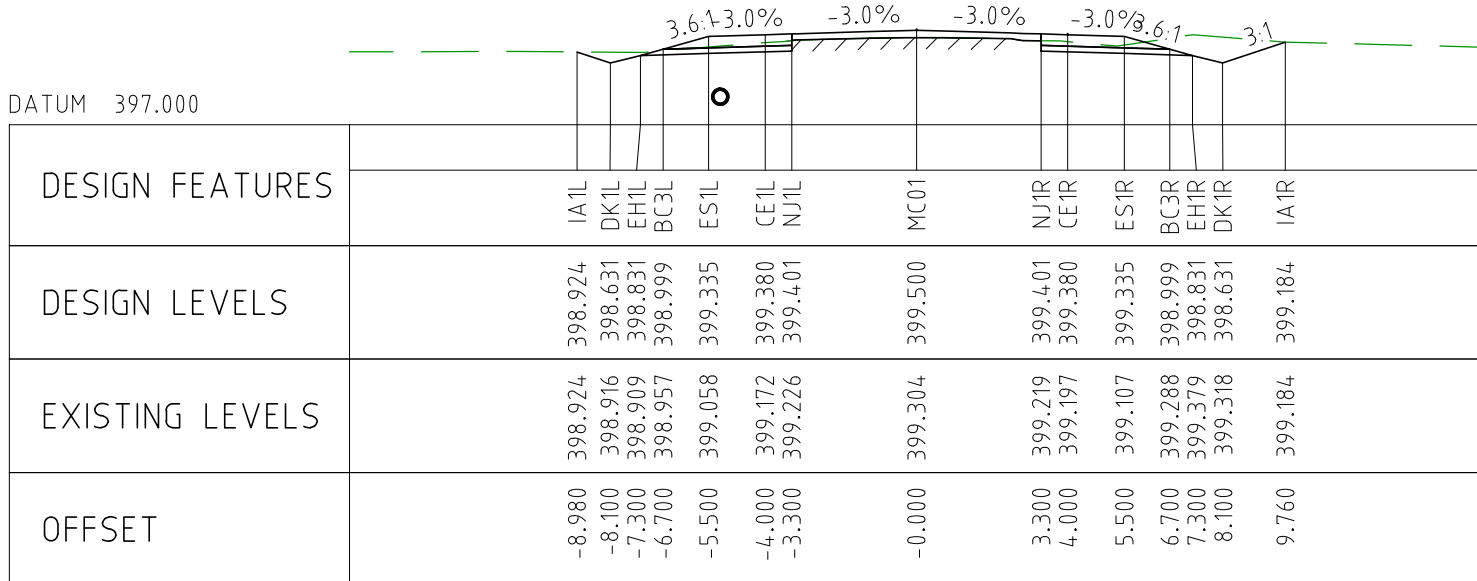
CHAINAGE 10650



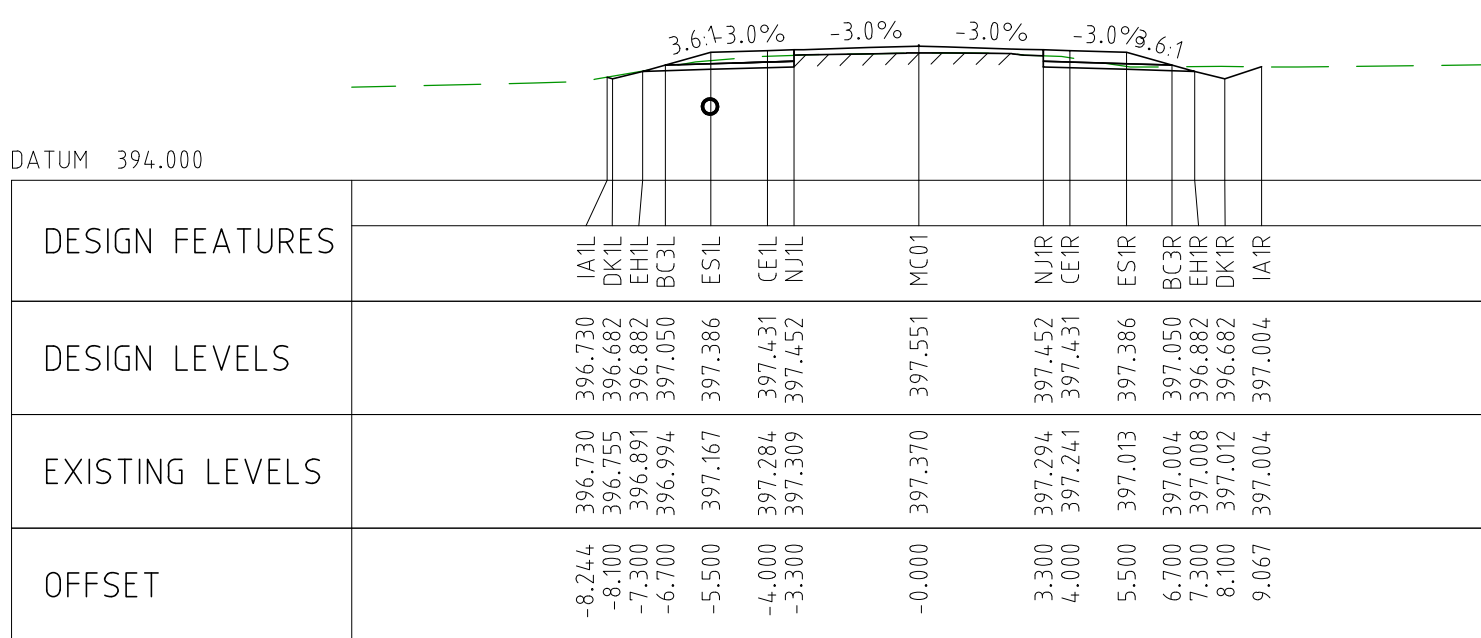
CHAINAGE 10600



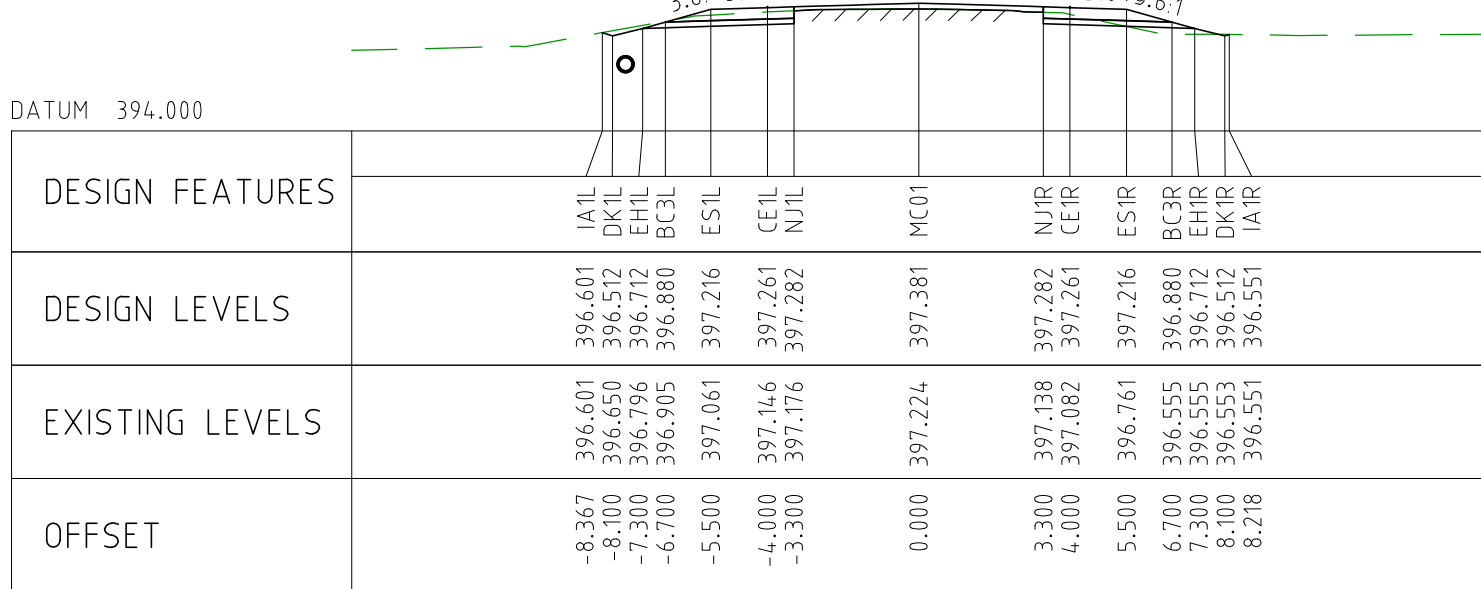
CHAINAGE 10550



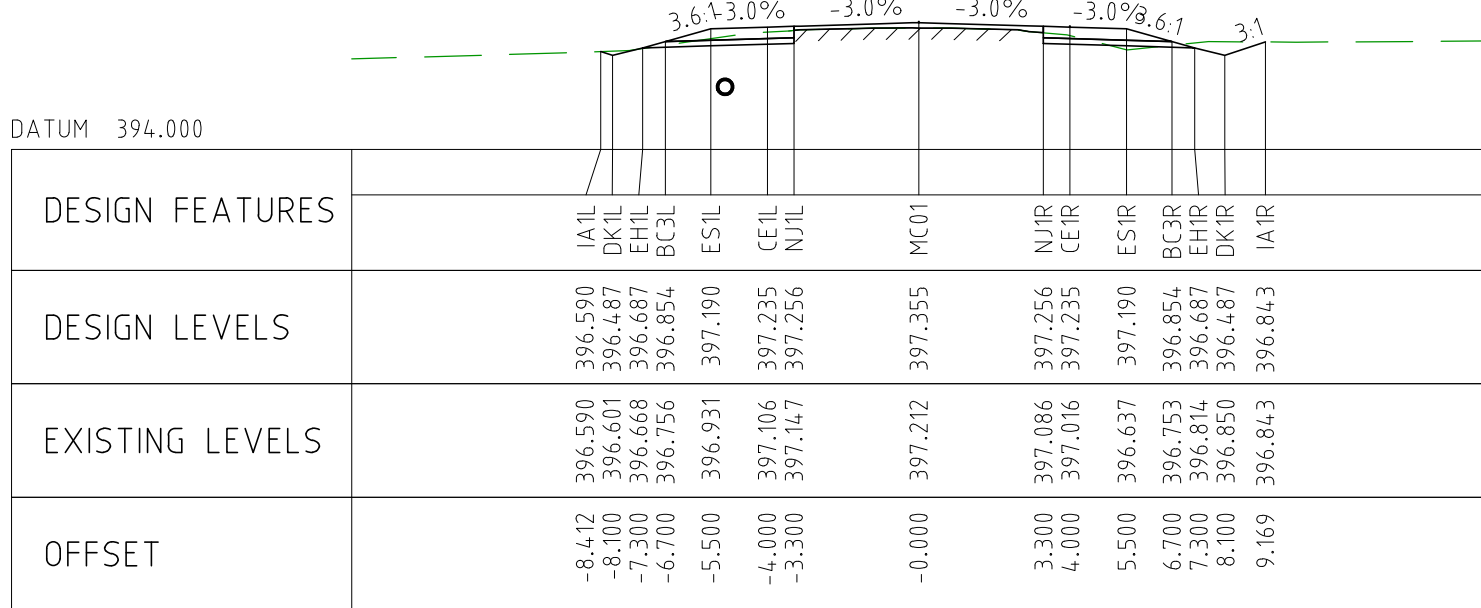
CHAINAGE 10500



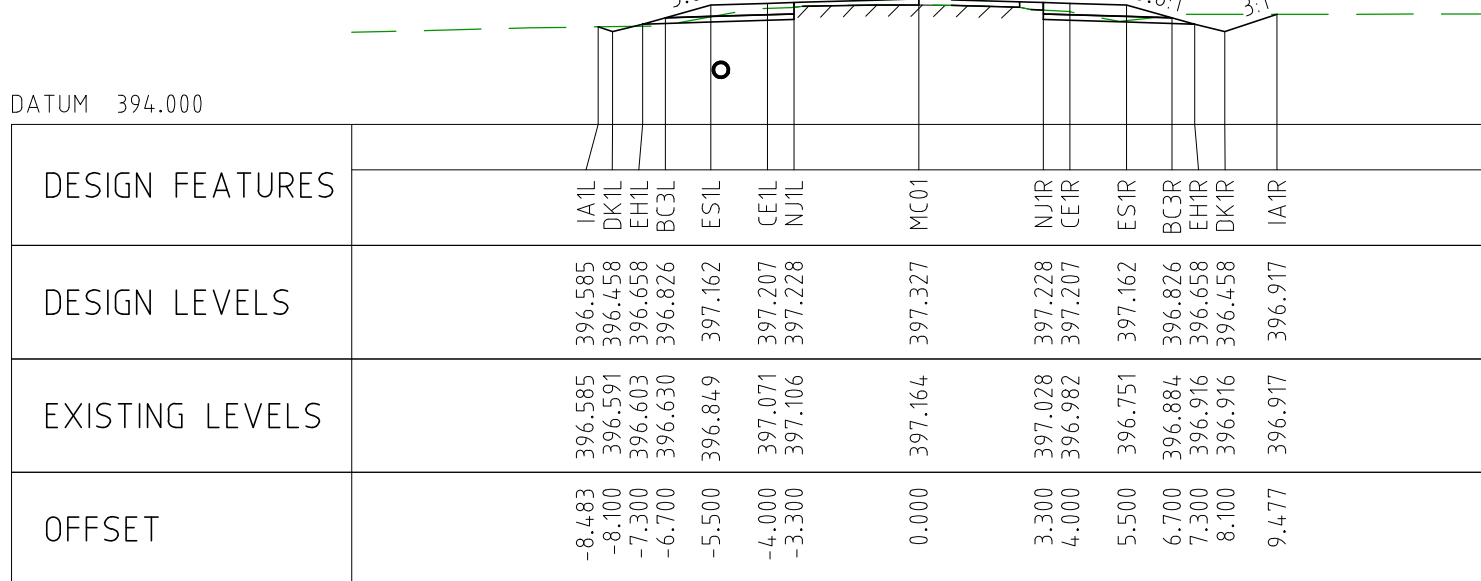
CHAINAGE 10950



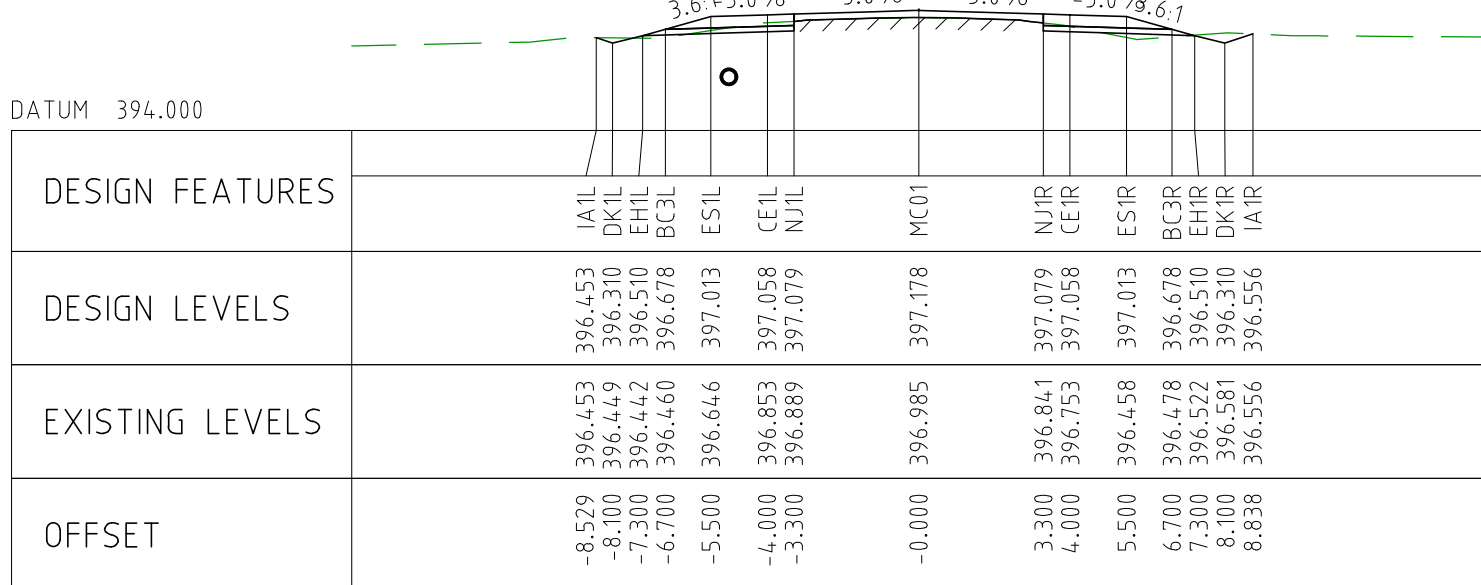
CHAINAGE 10900



CHAINAGE 10850



CHAINAGE 10800

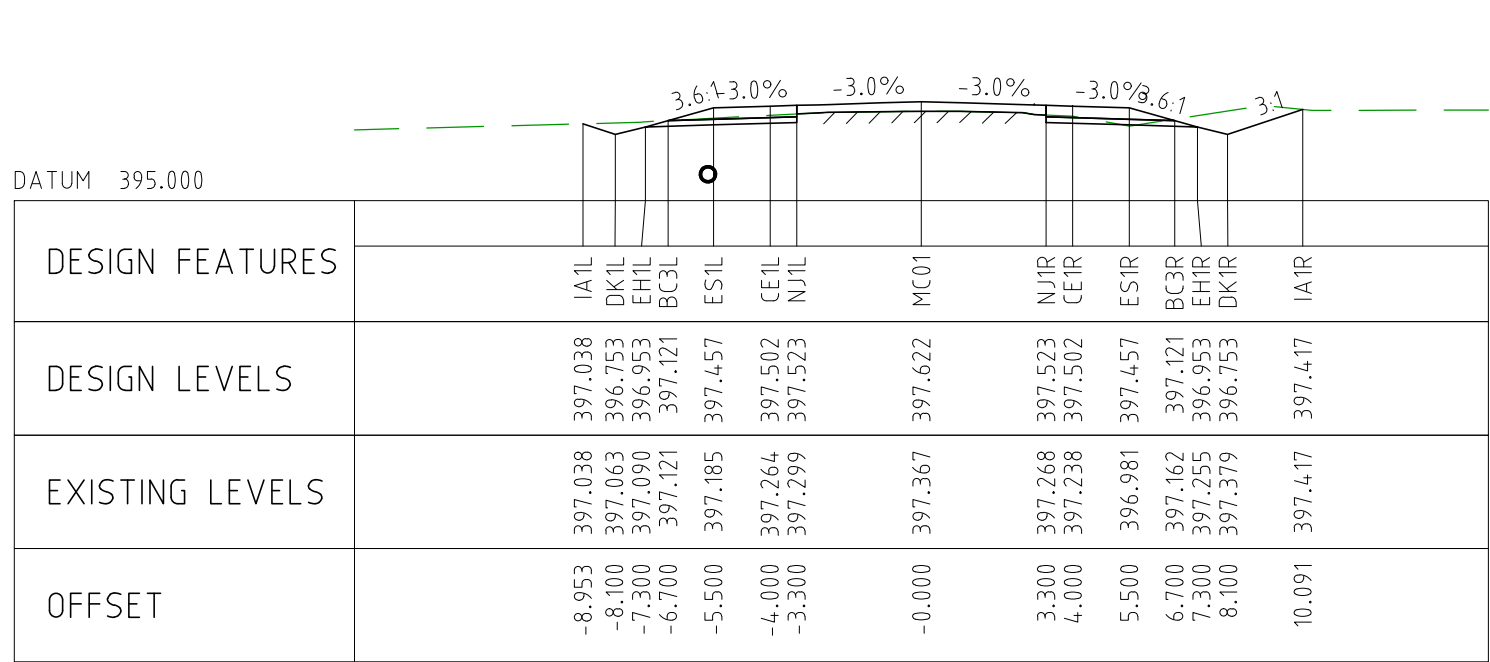


CHAINAGE 10750

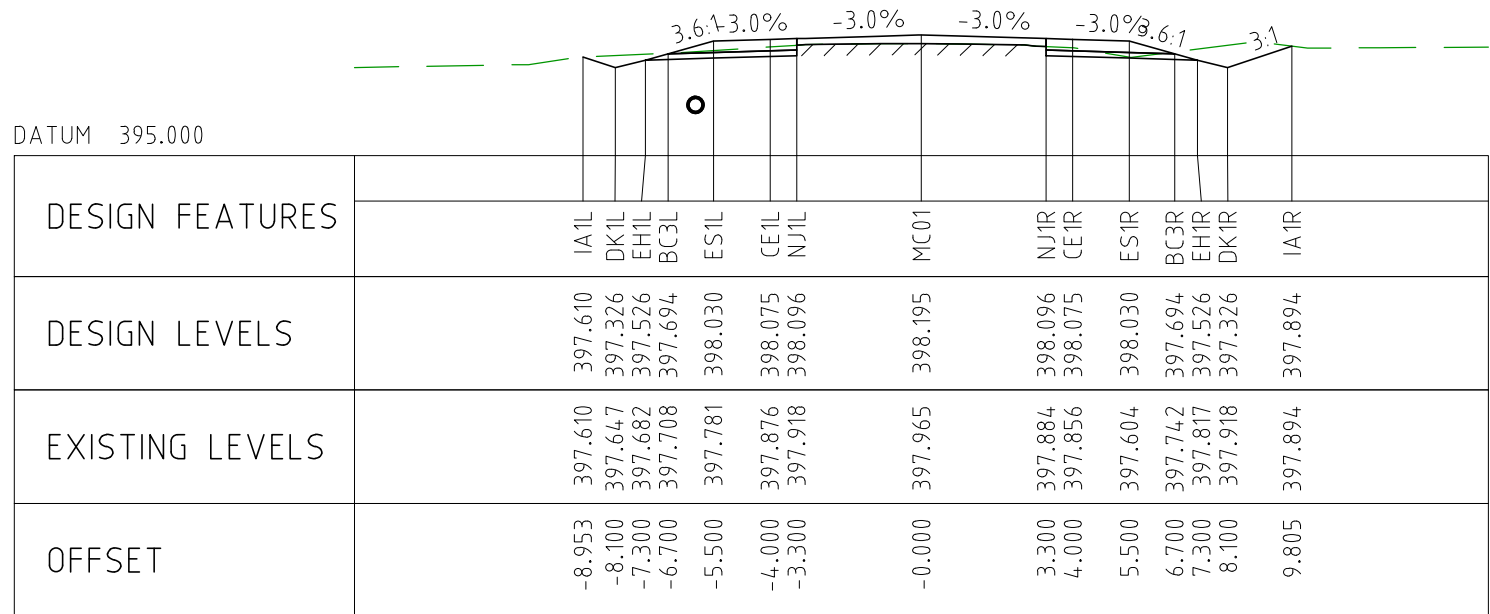
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

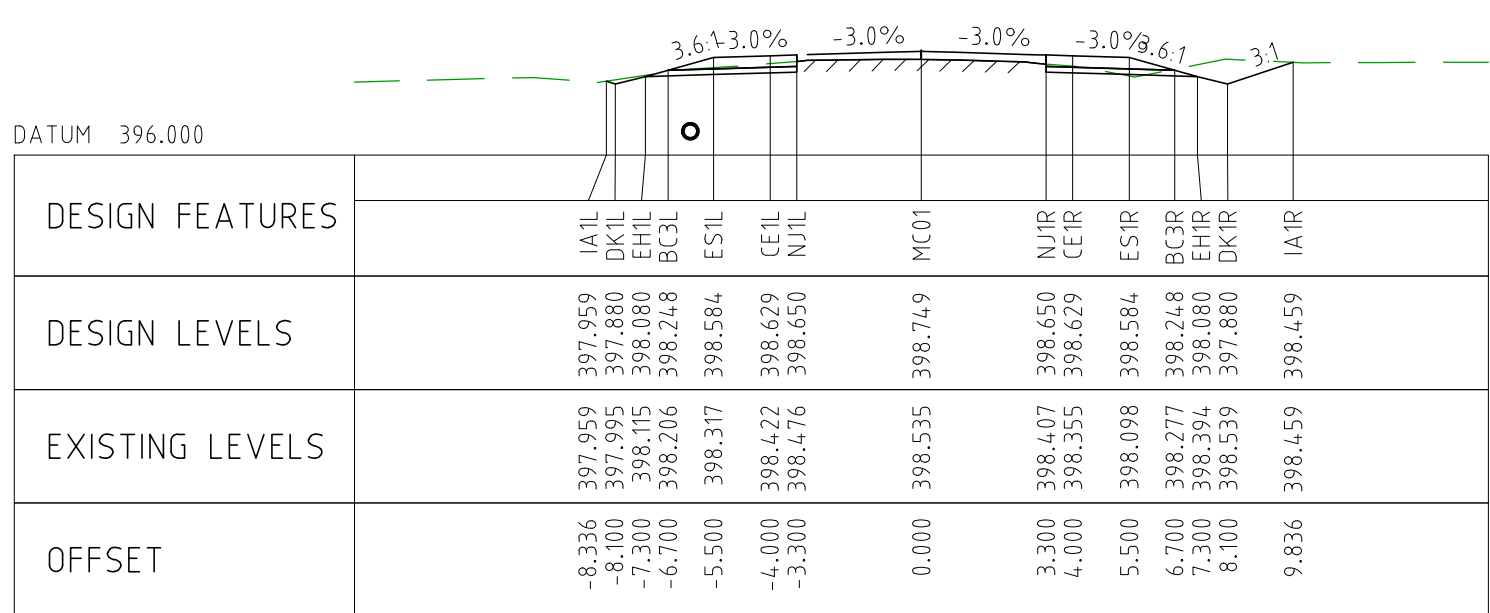
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS15.dwg					PLOT DATE 04 Nov 2022		TIME 12:12:31		CLIENT DOCUMENT No COV-M040-CI-DWG-0127								
EXTERNAL REFERENCE FILES					REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM		DESIGNER JW		CLIENT SMC		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE	



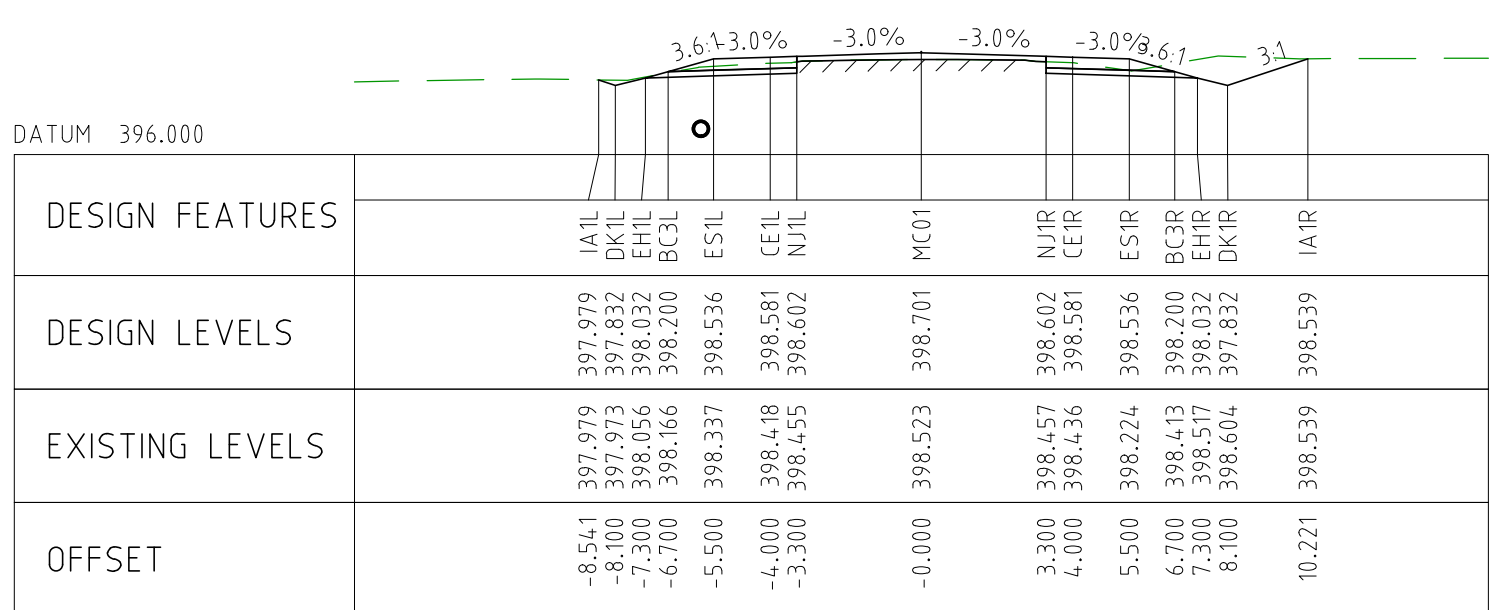
CHAINAGE 11200



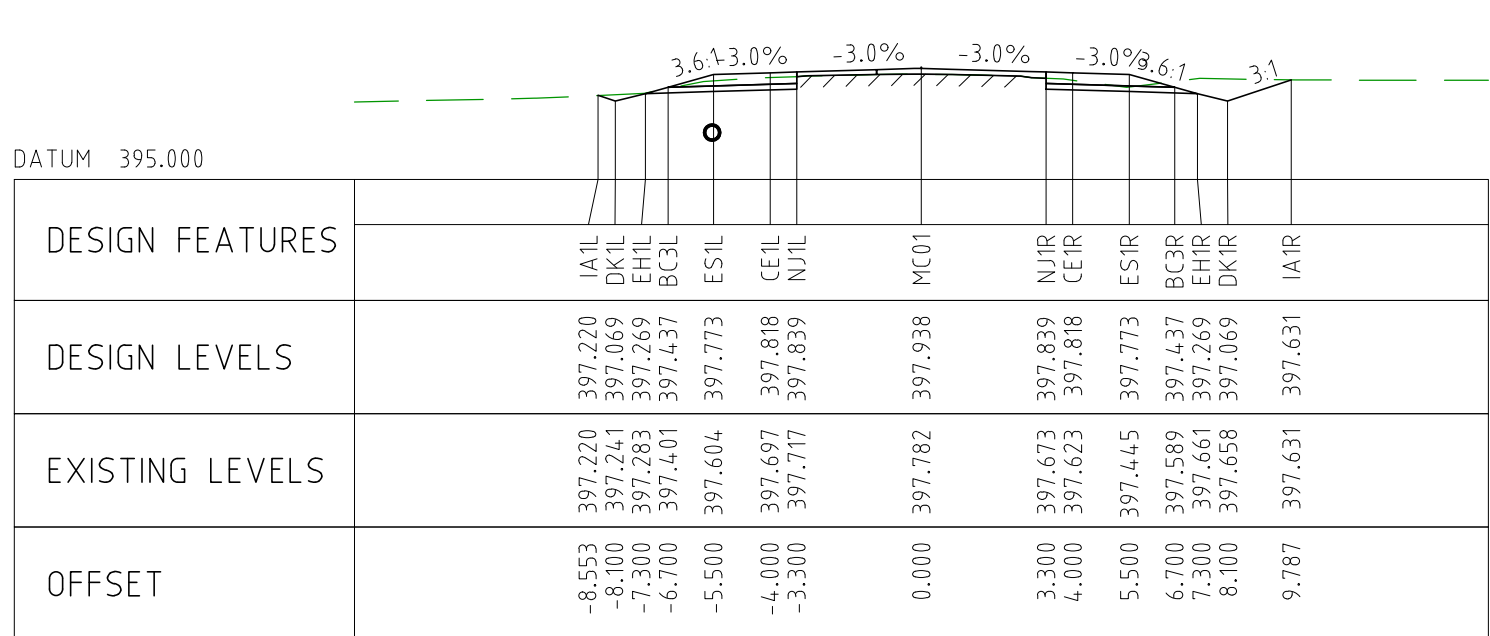
CHAINAGE 11150



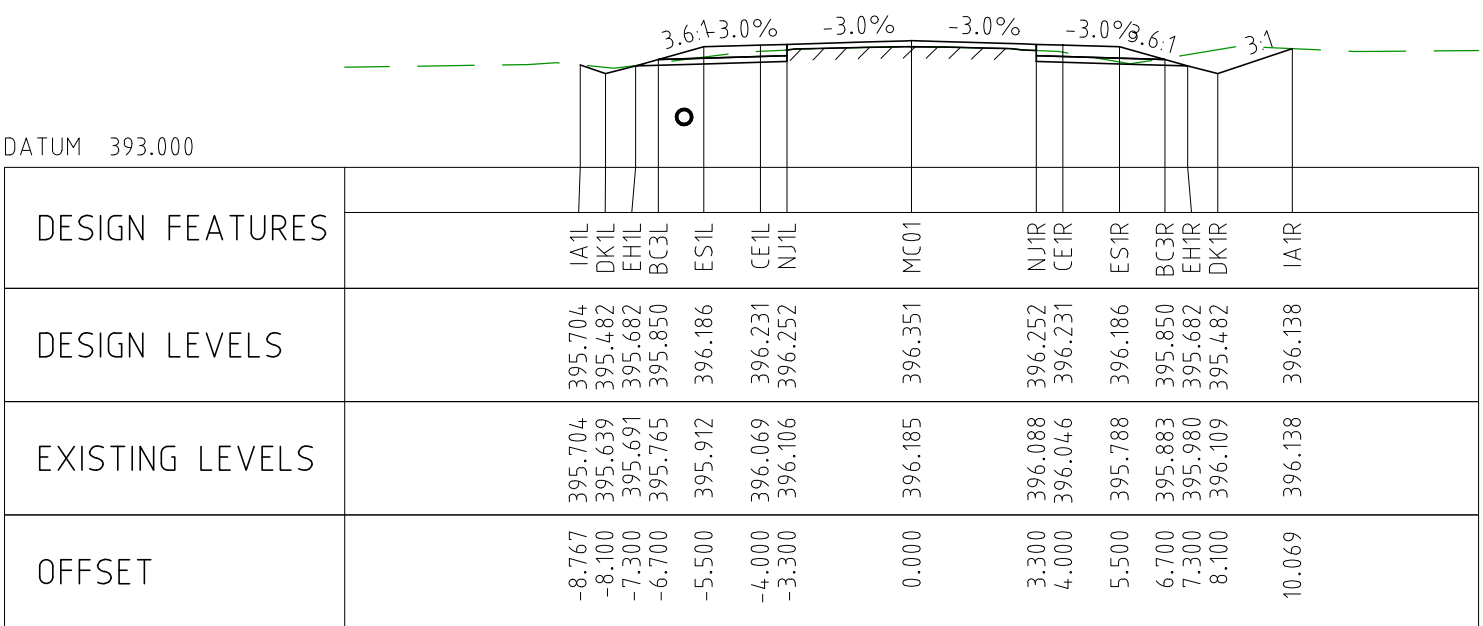
CHAINAGE 11100



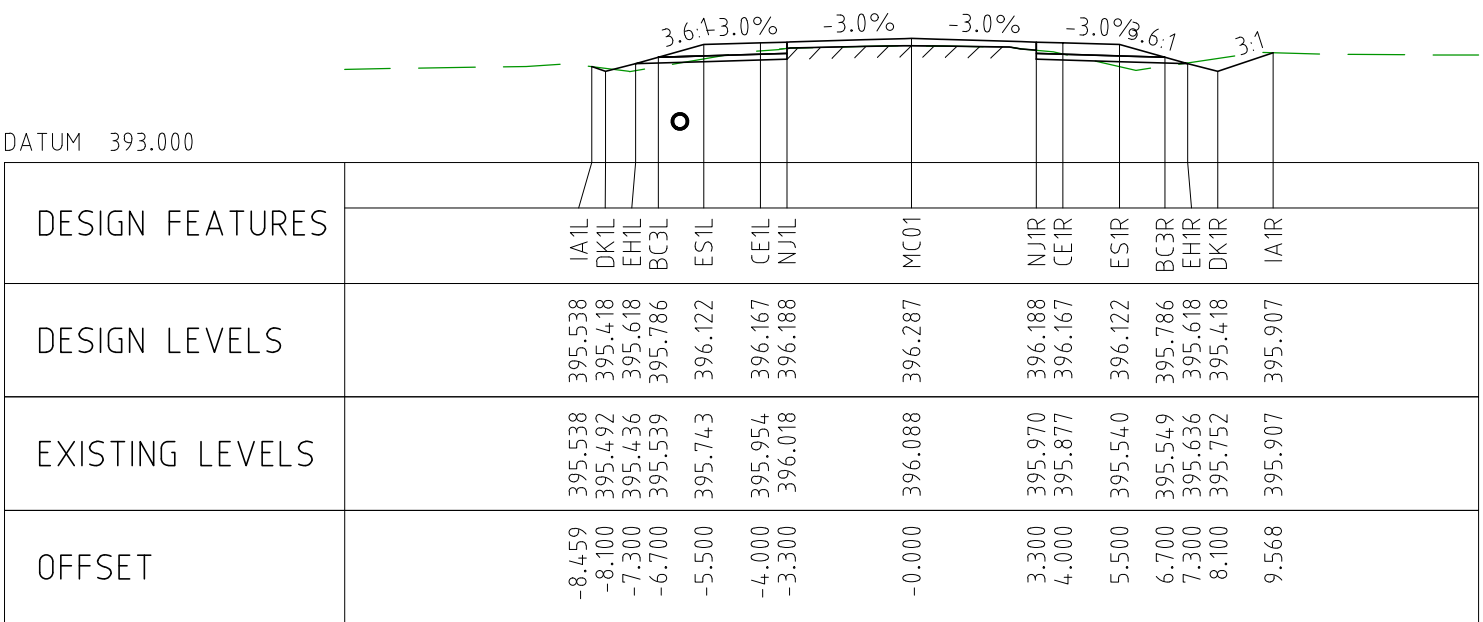
CHAINAGE 11050



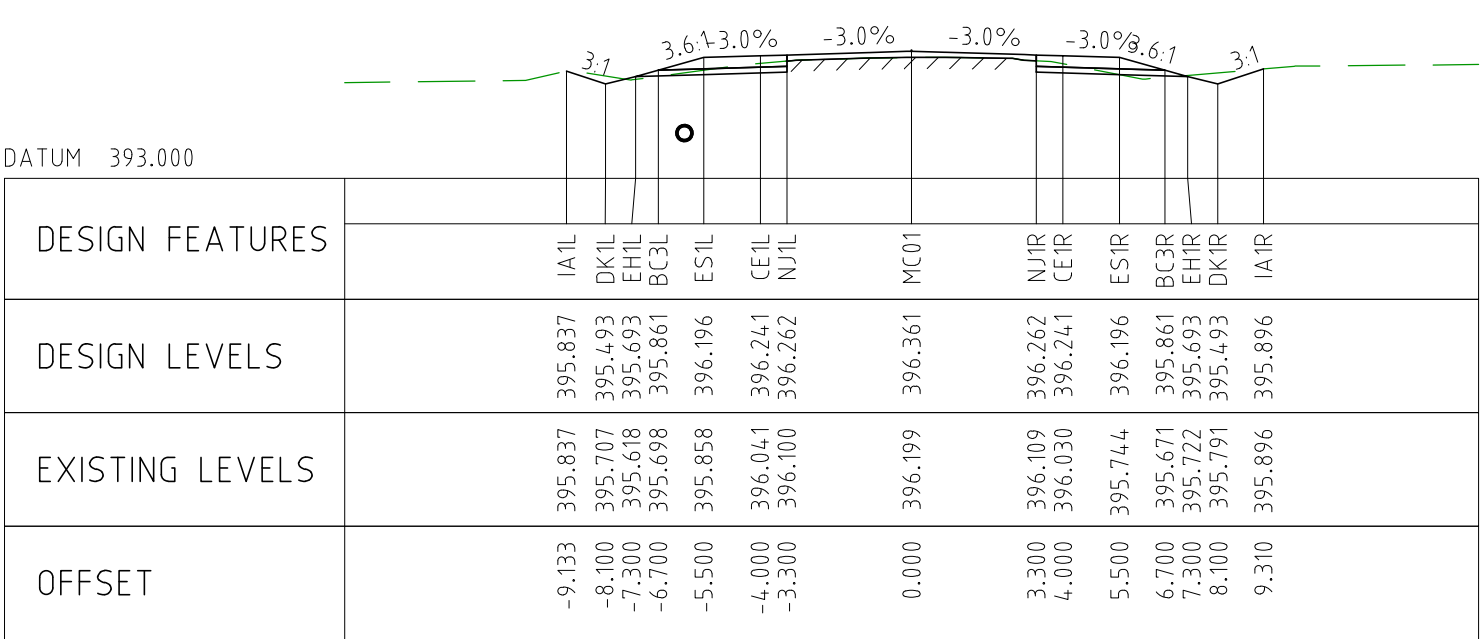
CHAINAGE 11000



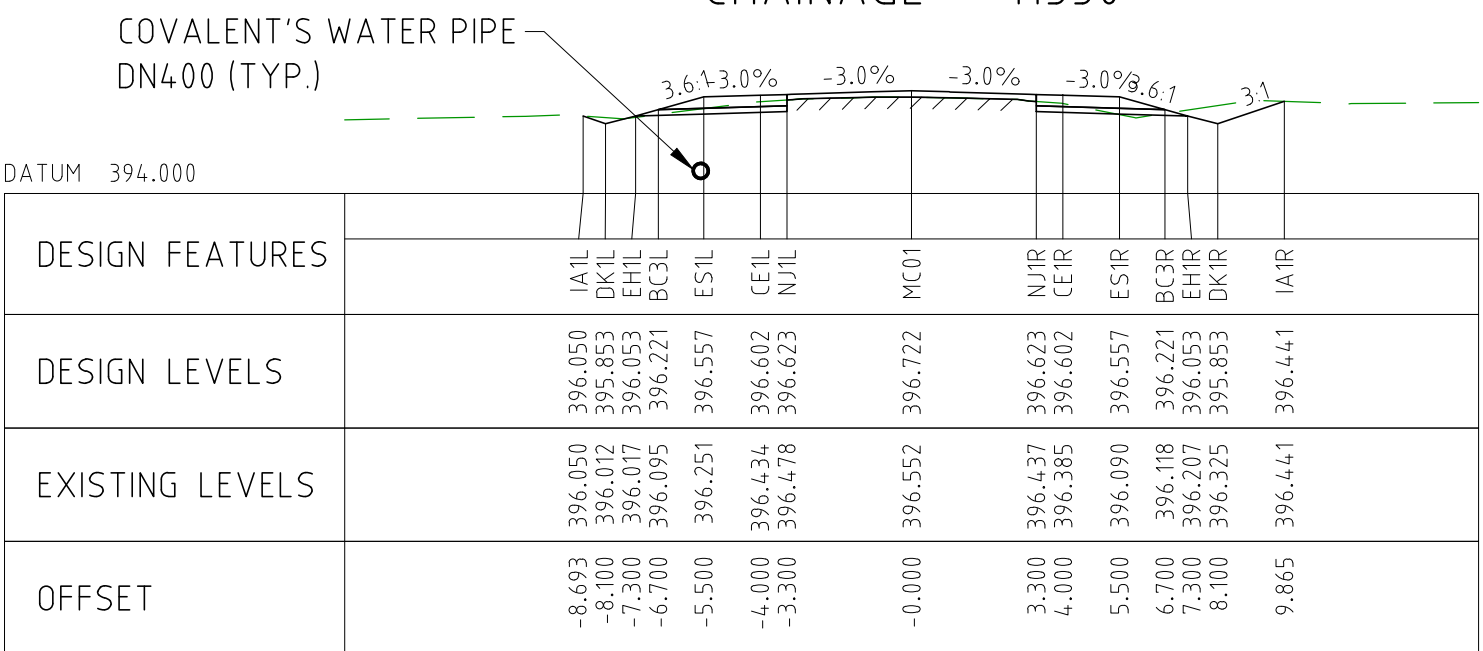
CHAINAGE 11450



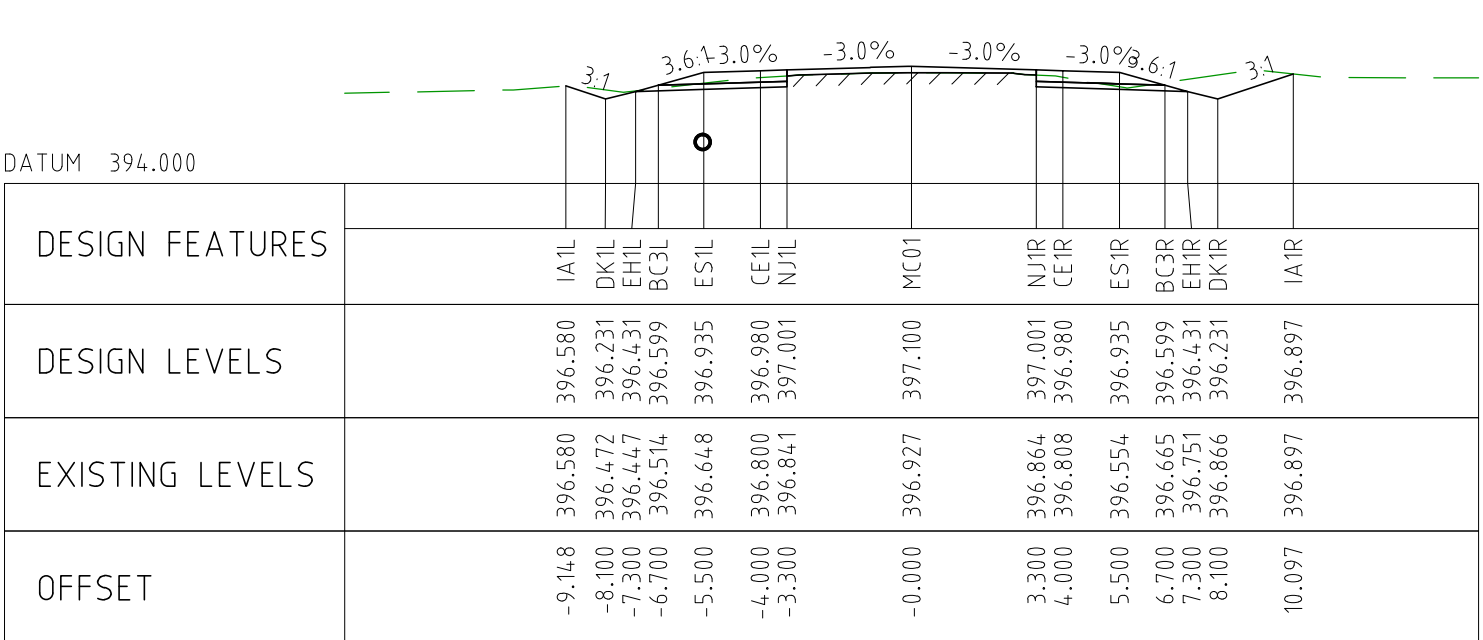
CHAINAGE 11400



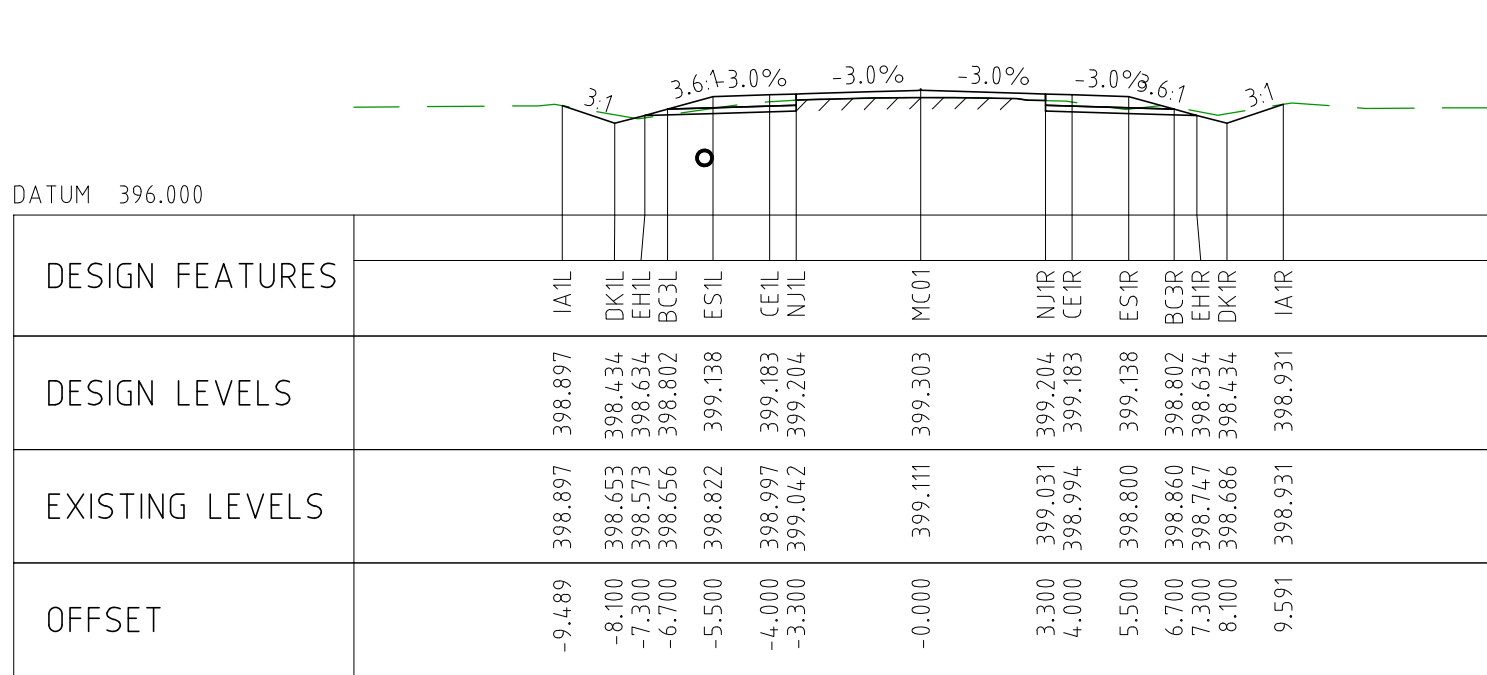
CHAINAGE 11350



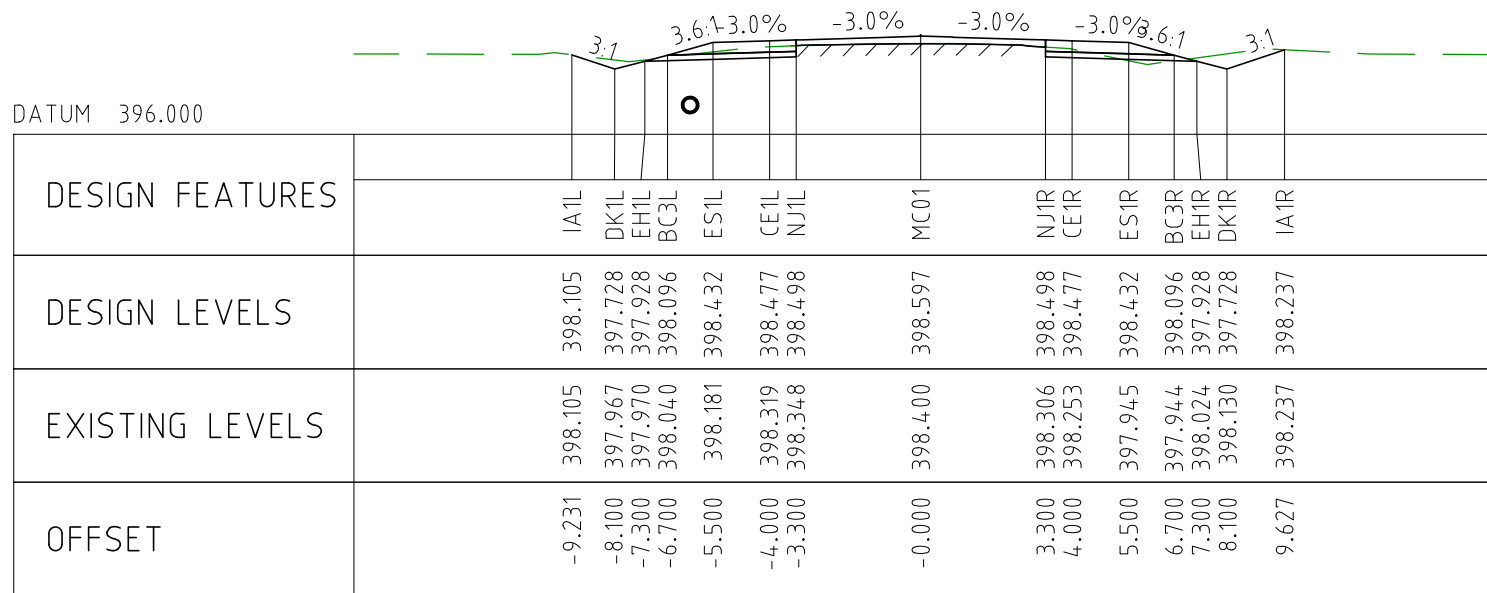
CHAINAGE 11300



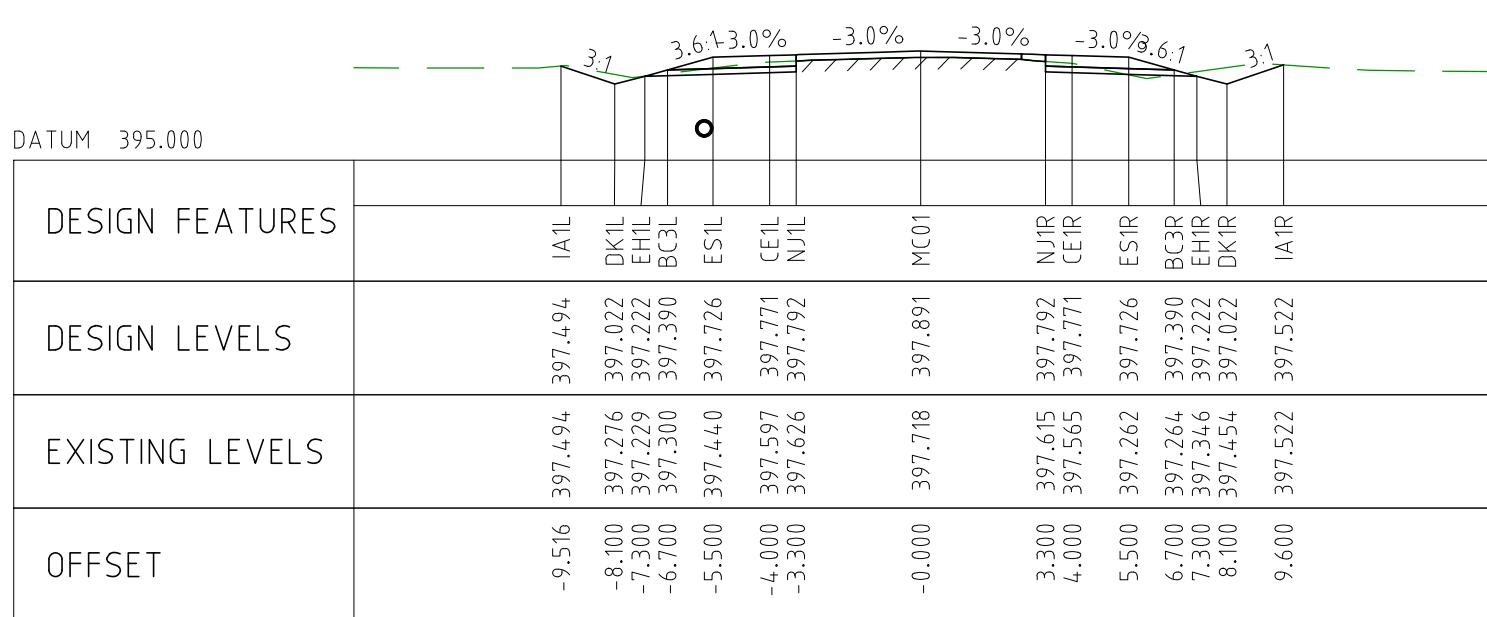
CHAINAGE 11250



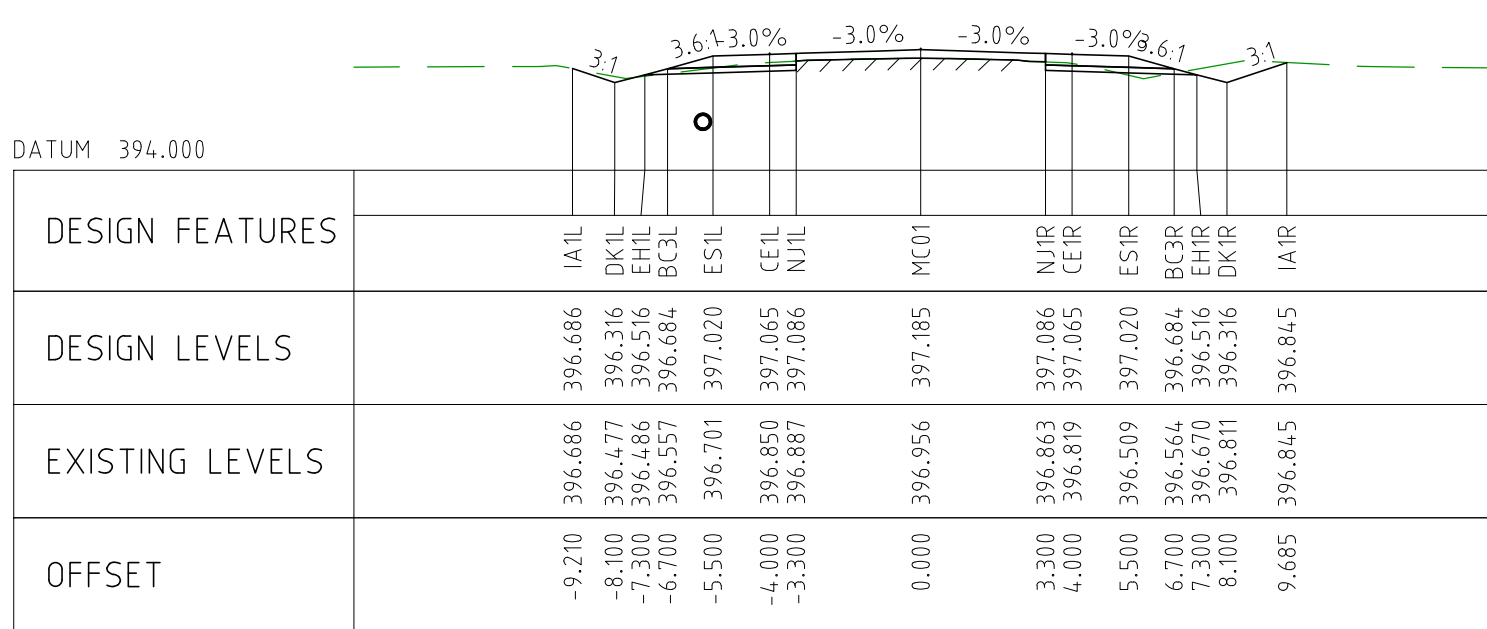
CHAINAGE 11700



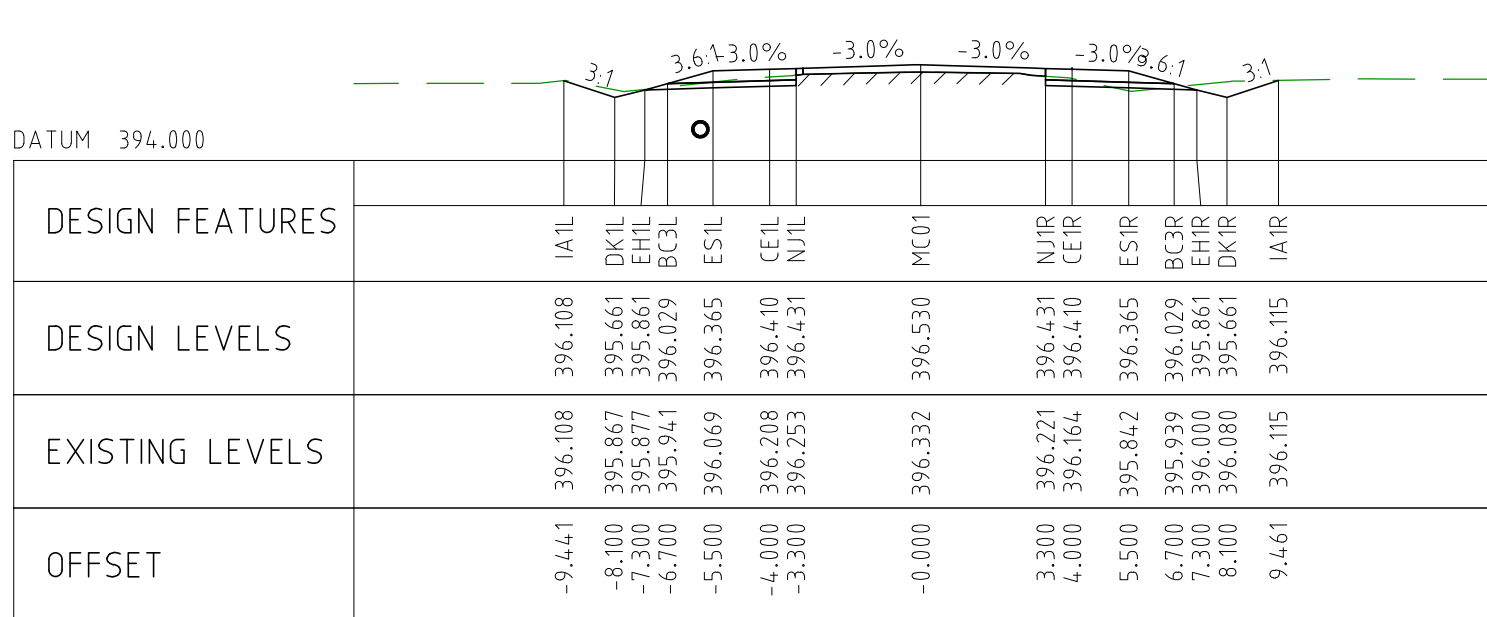
CHAINAGE 11650



CHAINAGE 11600






CHAINAGE 11550

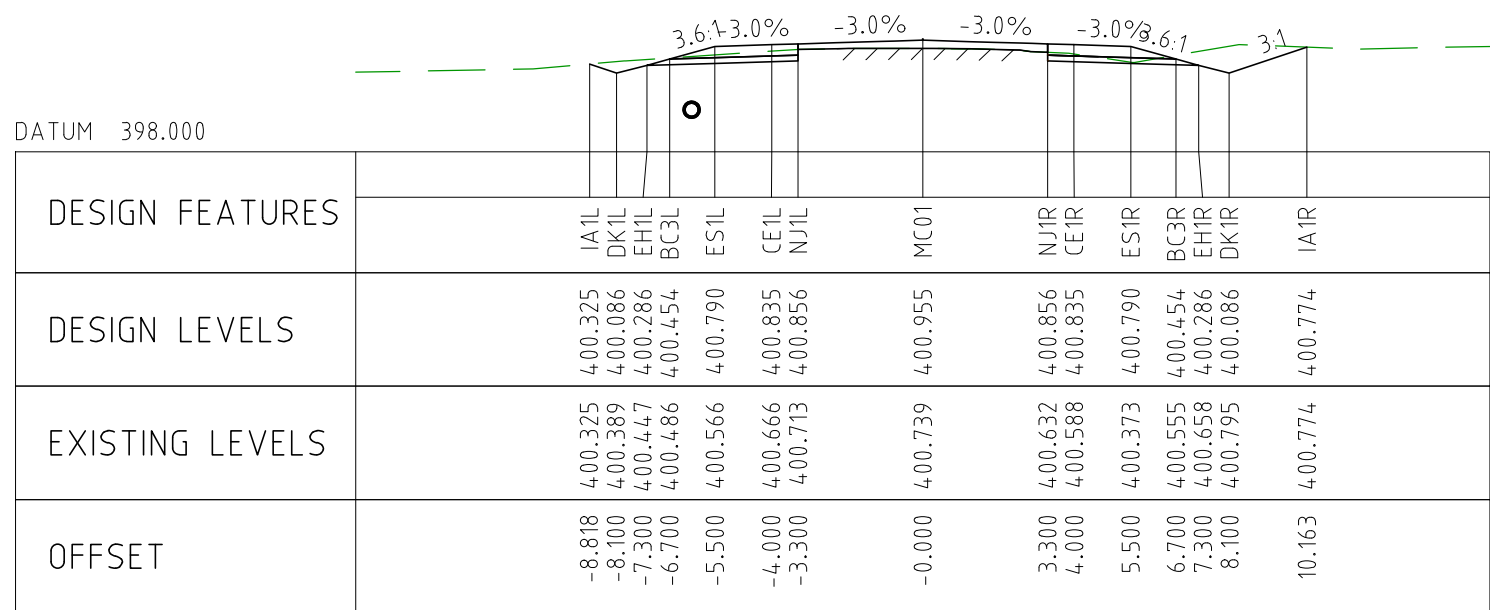


CHAINAGE 11500

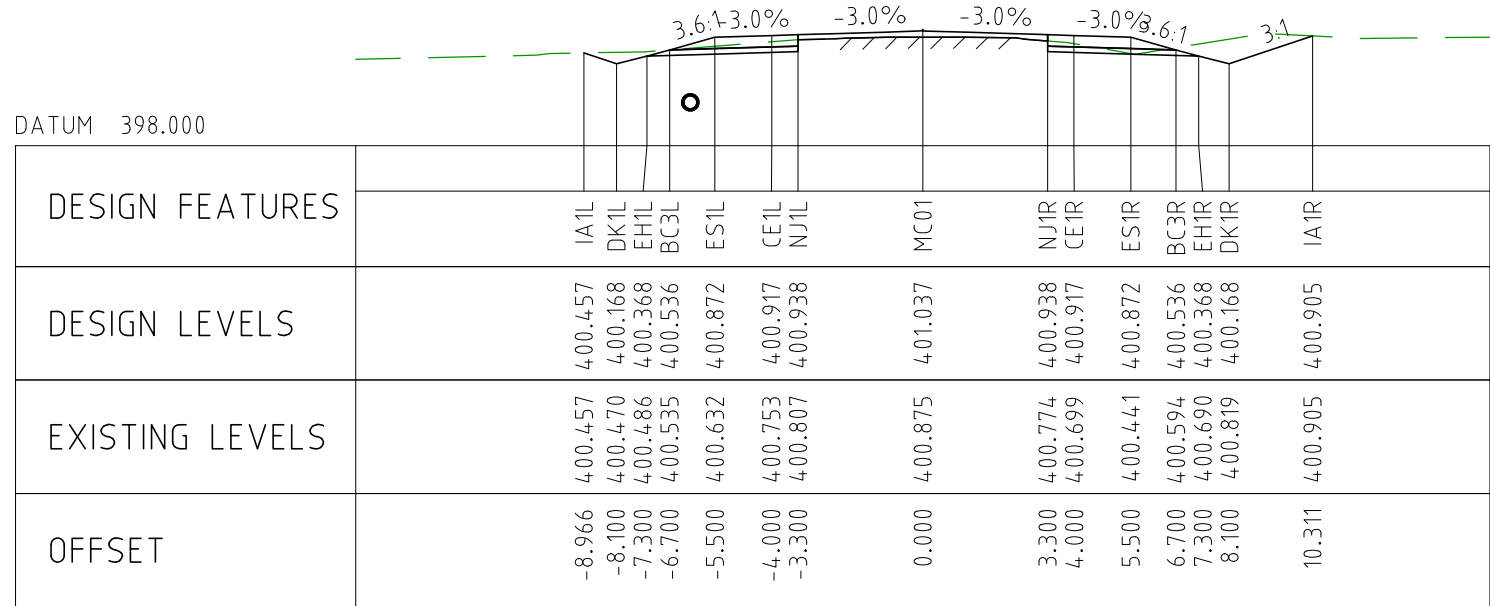
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

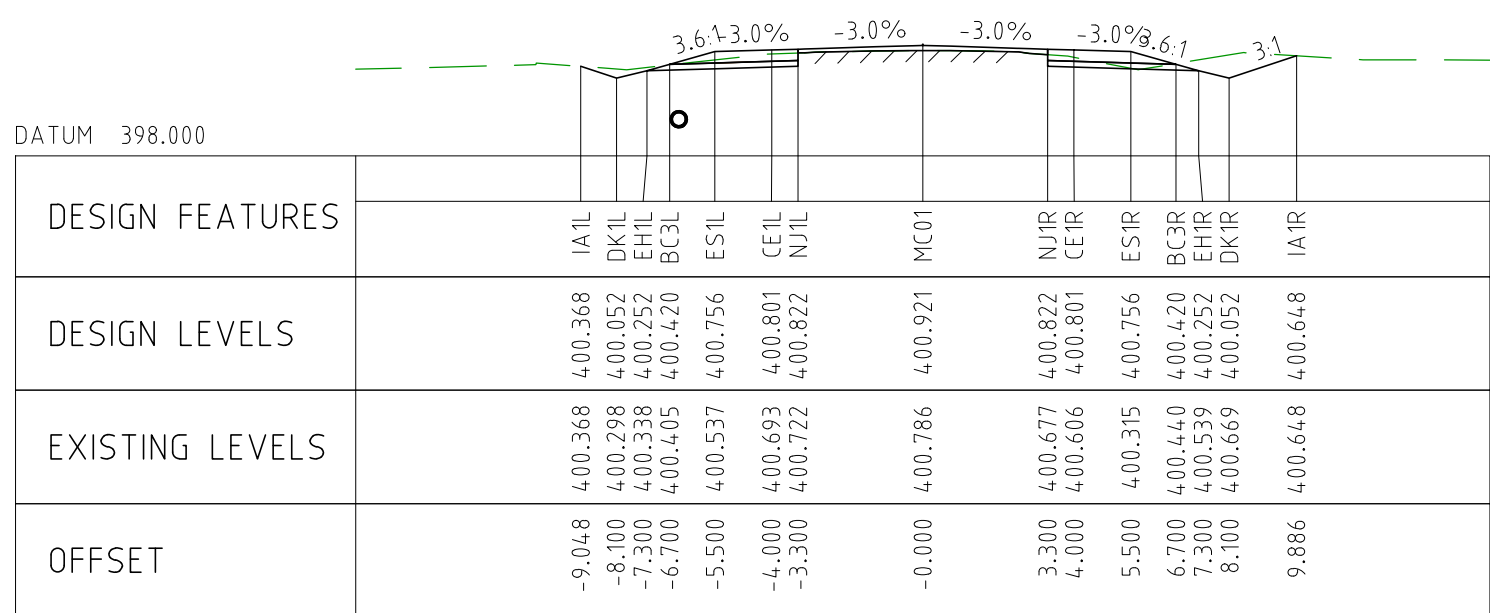
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS16.dwg					PLOT DATE 04 Nov 2022		TIME 12:13:12		CLIENT DOCUMENT No COV-M040-CI-DWG-0128								
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:200</div> <div></div>		<div>DESIGNER</div> <div>SMC</div> <div>Member of the Surbana Jurong Group</div> <div>© ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div>covalent LITHIUM</div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 16 OF 41		
	0	04.11.22	ISSUED FOR CONSTRUCTION		003	DM	DRAFTER	JW									
							DRAFTING CHECK	TM									
							DESIGNER	TM									
							DESIGN CHECK	TM									
							PROJECT MANAGER	DM									
						PROJECT DIRECTOR	RJ					SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS16	REVISION 0		



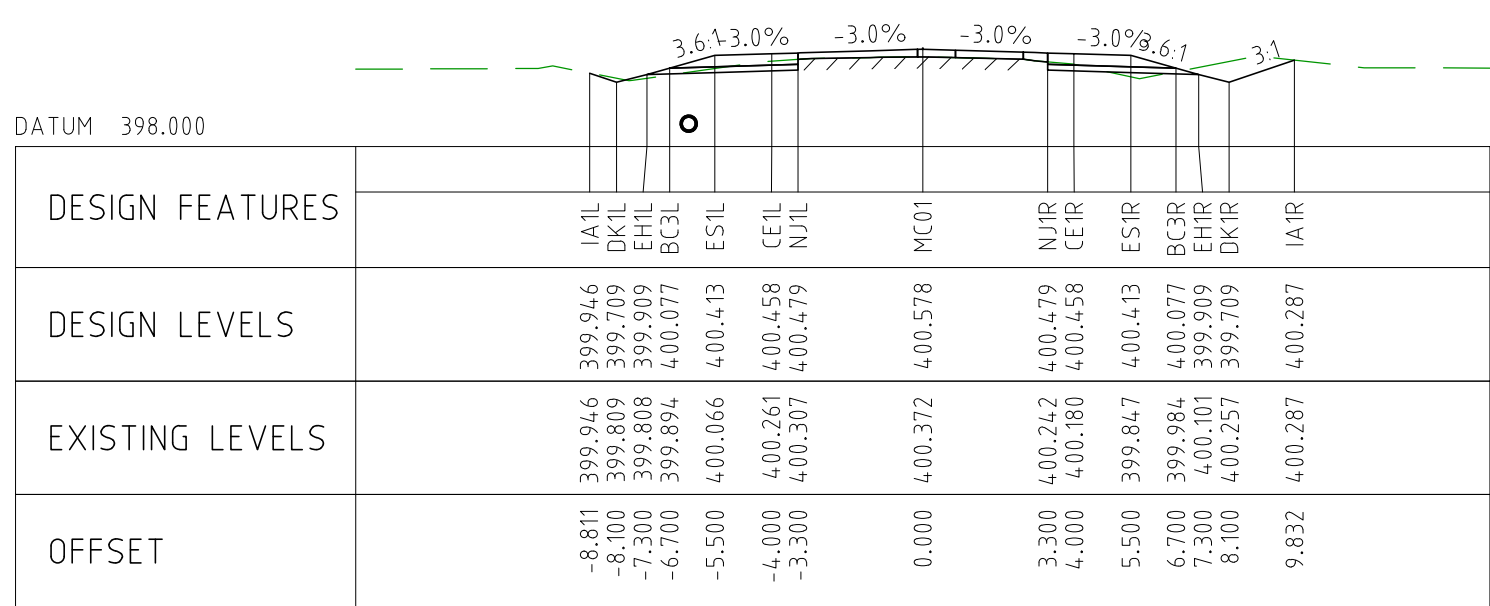
CHAINAGE 11950



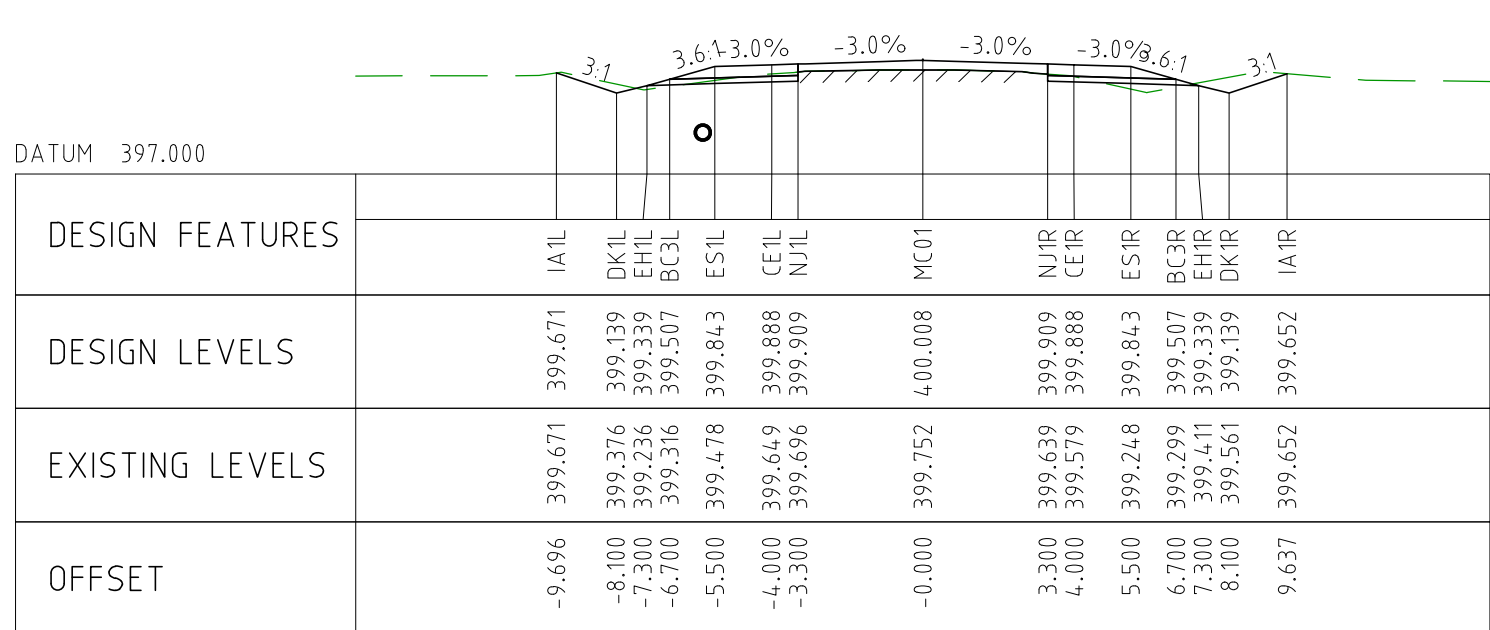
CHAINAGE 11900



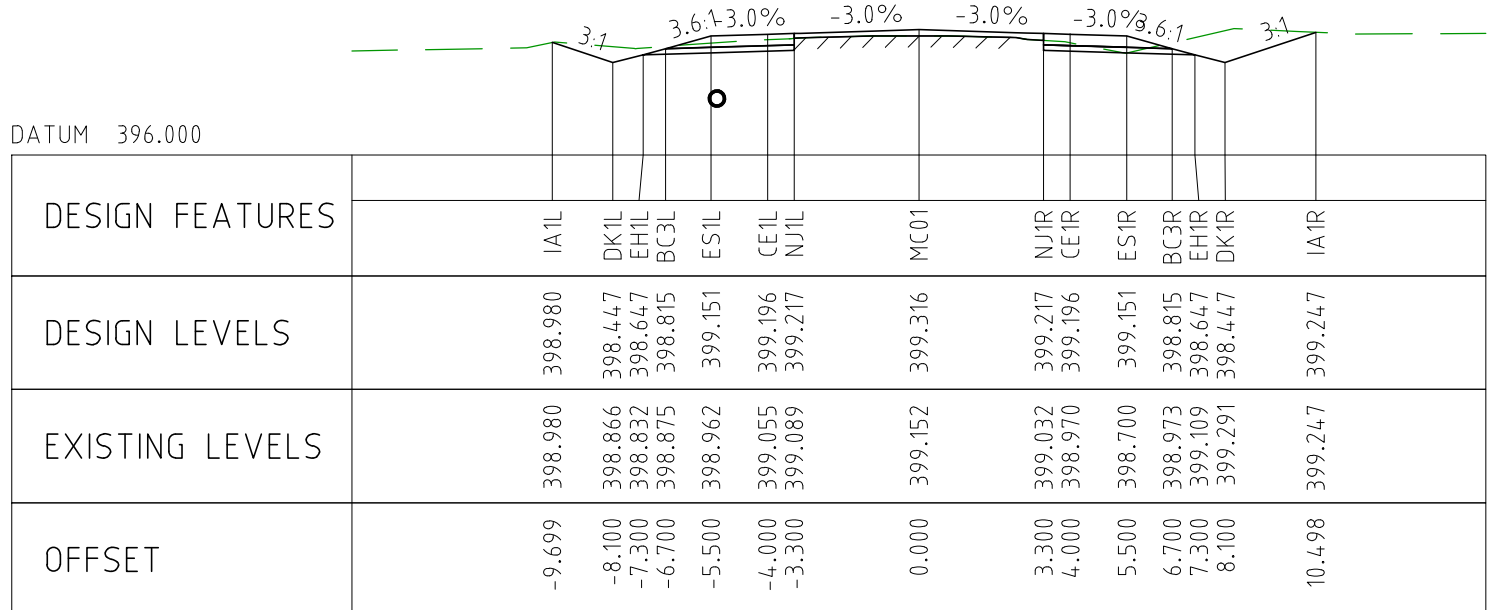
CHAINAGE 11850



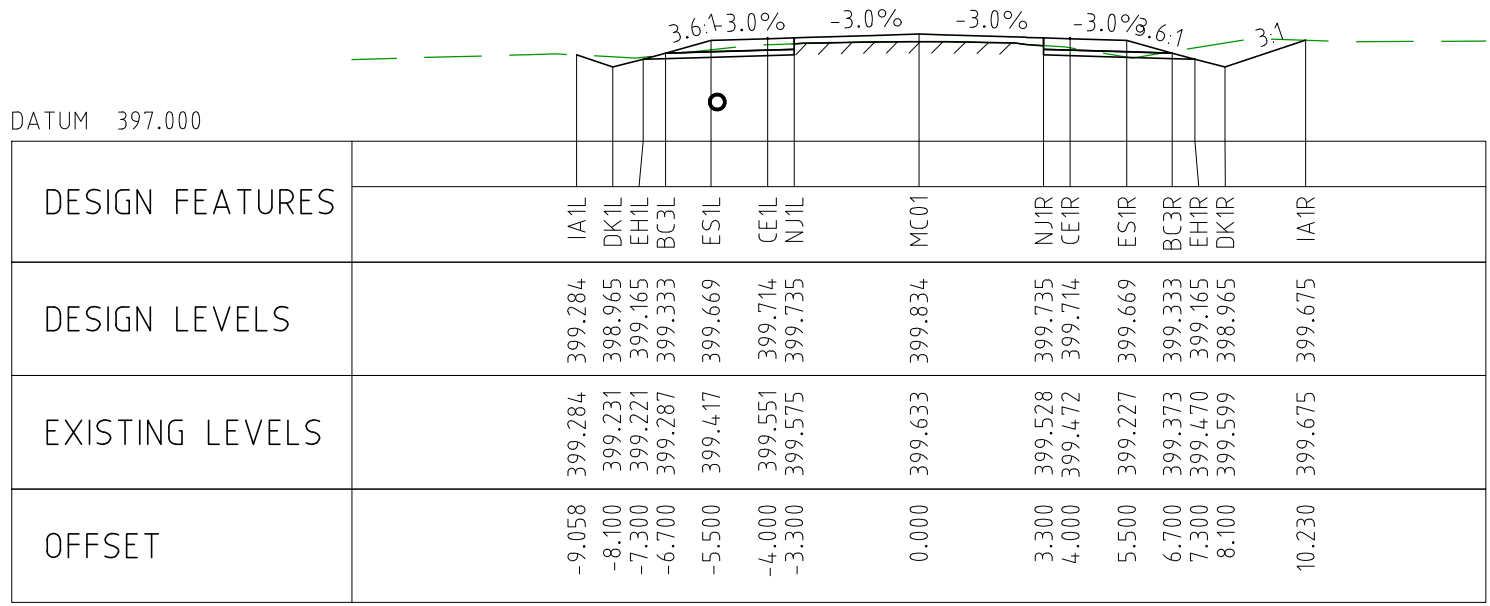
CHAINAGE 11800



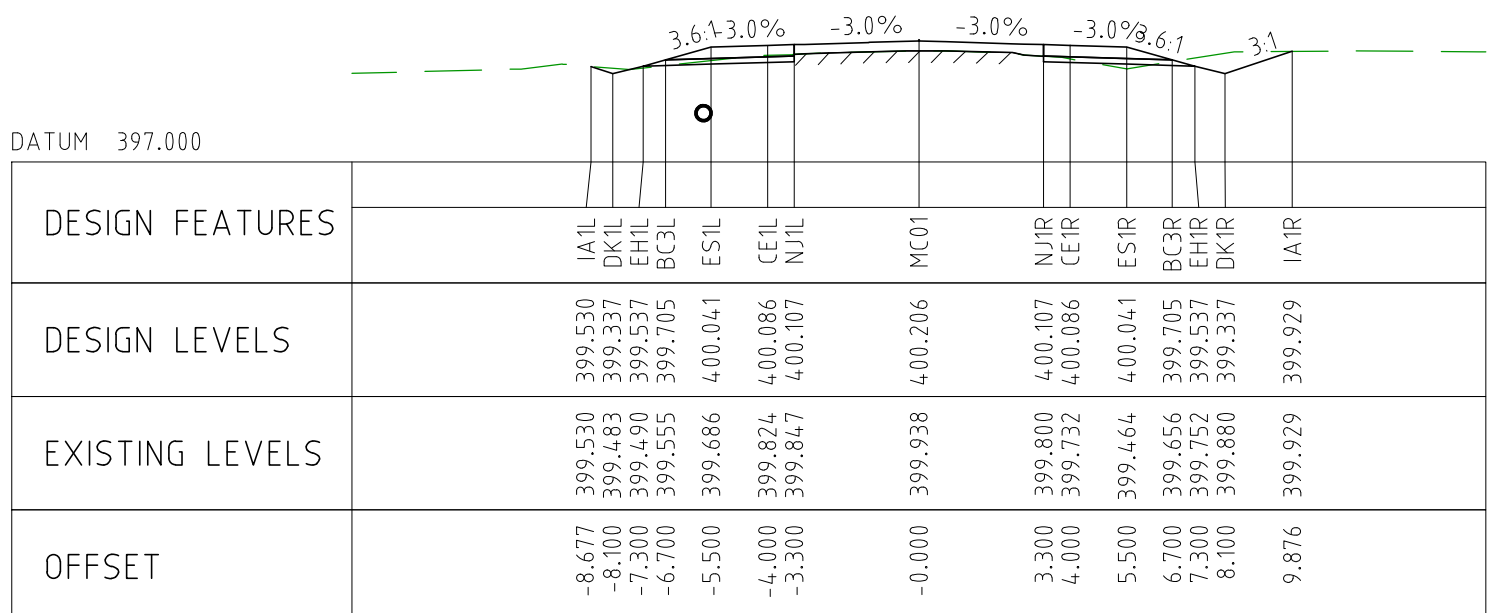
CHAINAGE 11750



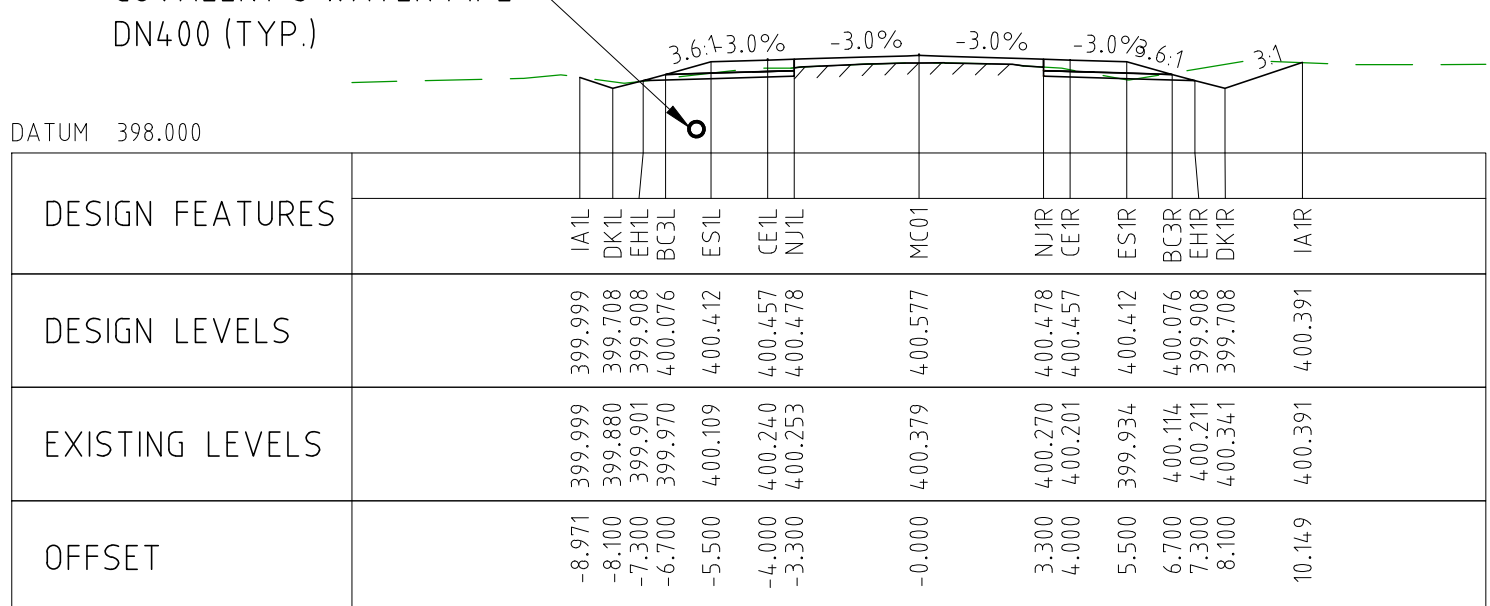
CHAINAGE 12200



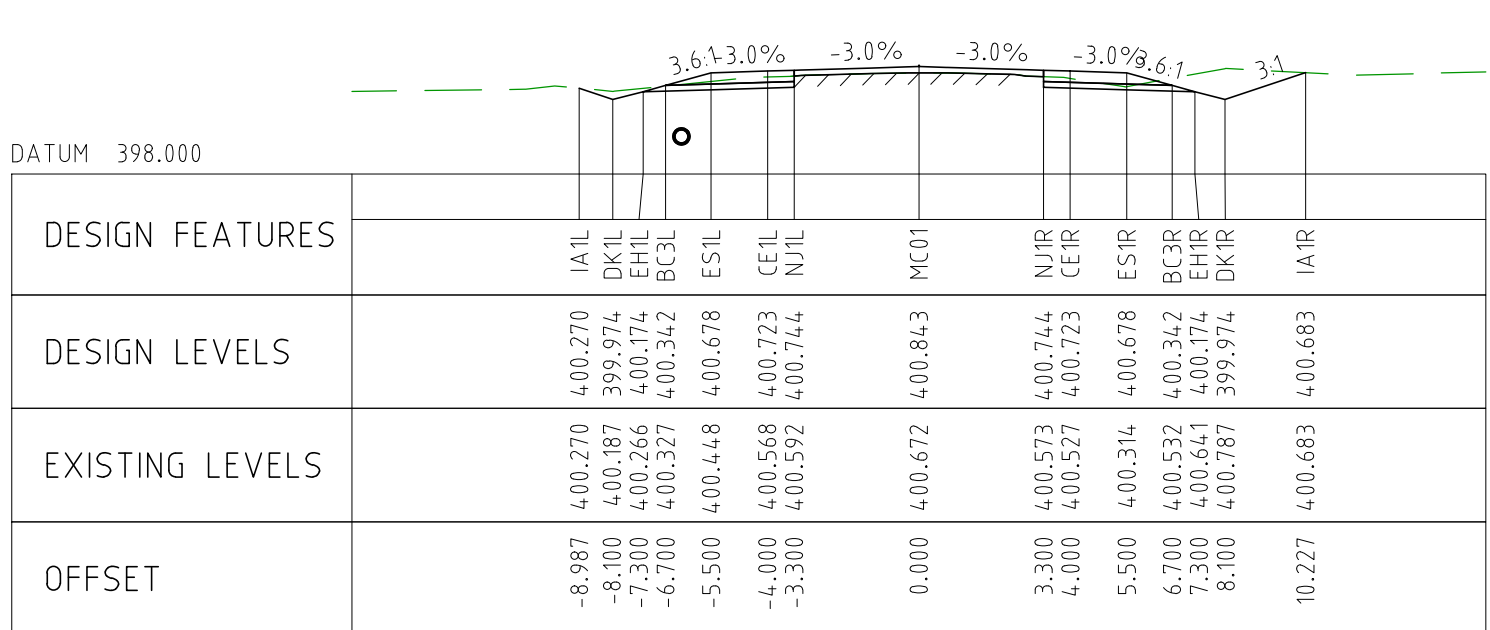
CHAINAGE 12150



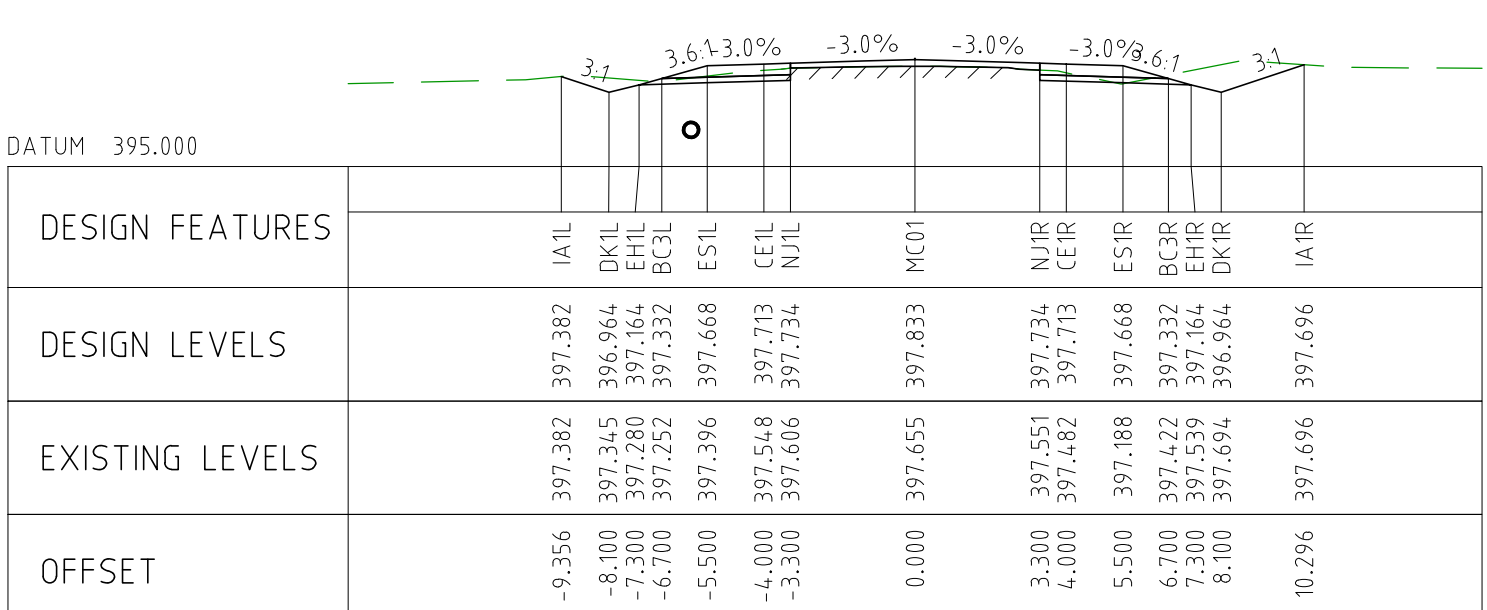
CHAINAGE 12100



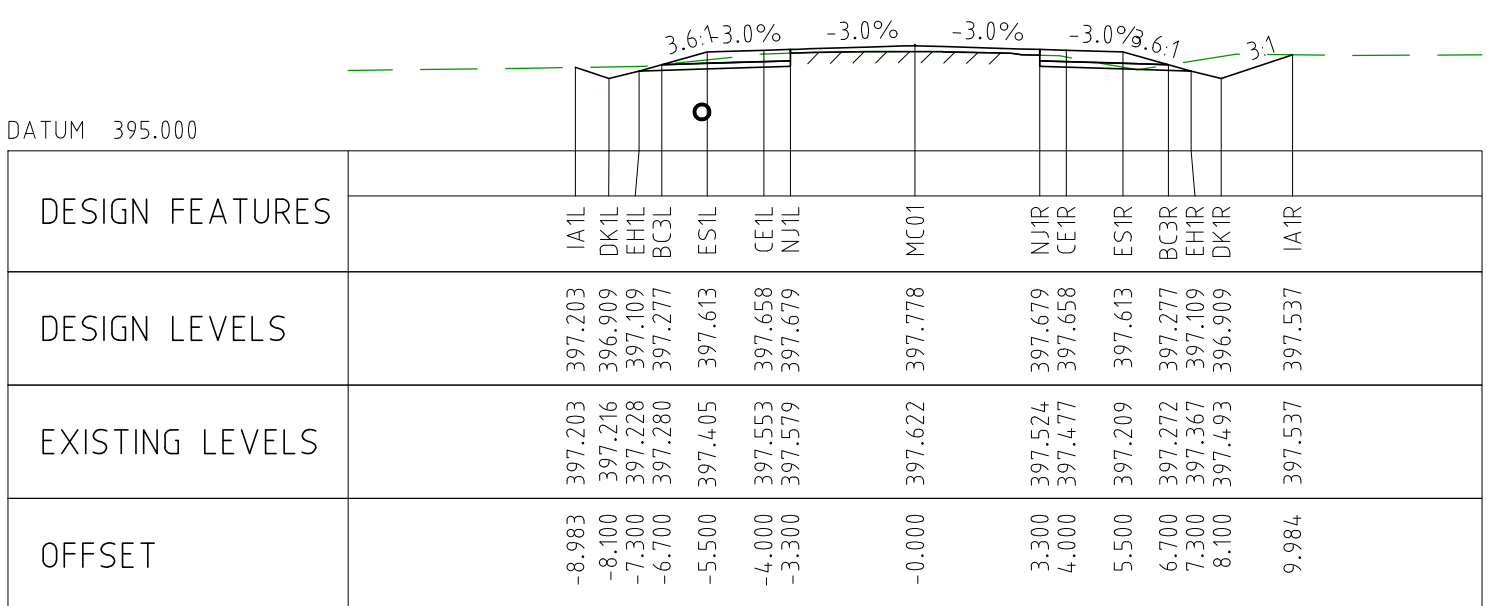
CHAINAGE 12050



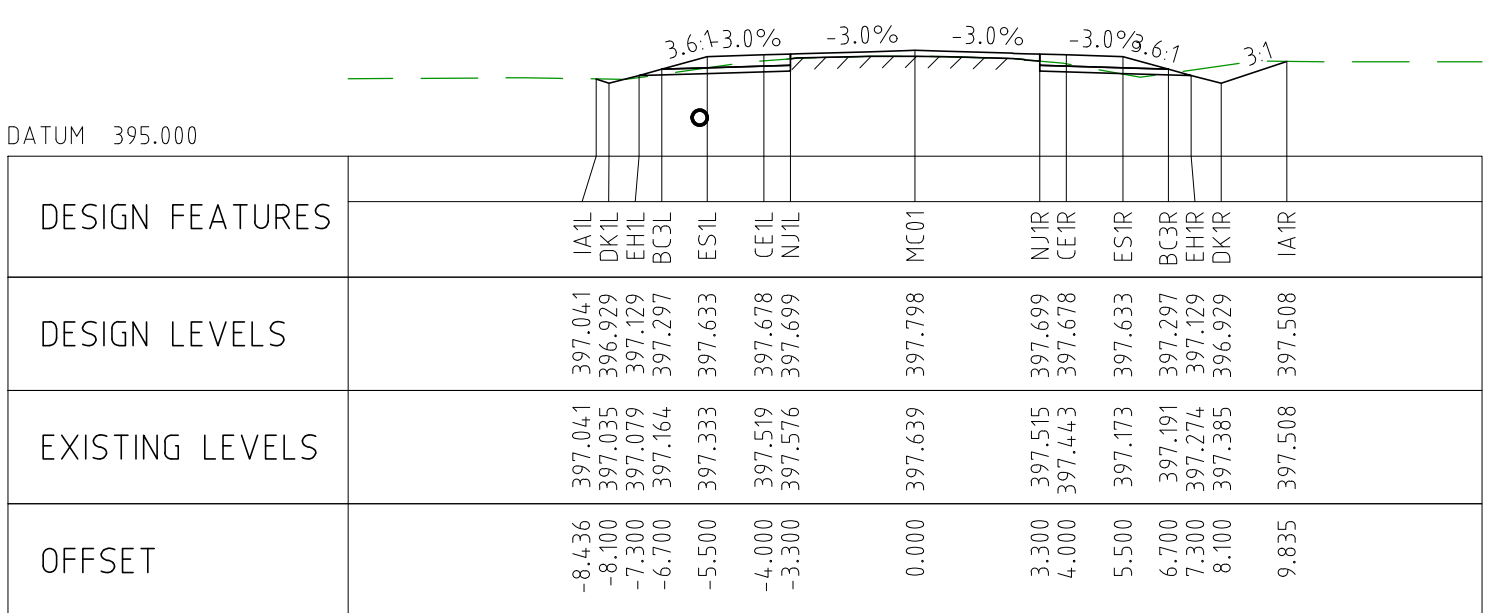
CHAINAGE 12000



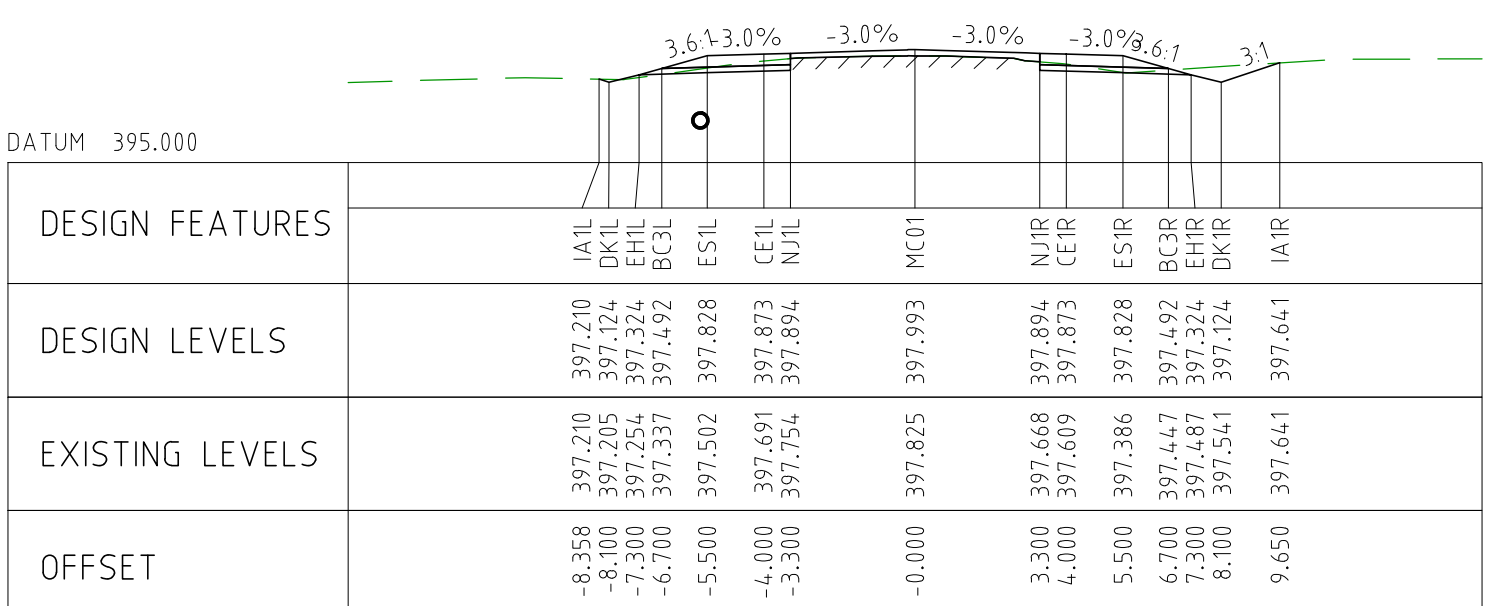
CHAINAGE 12450



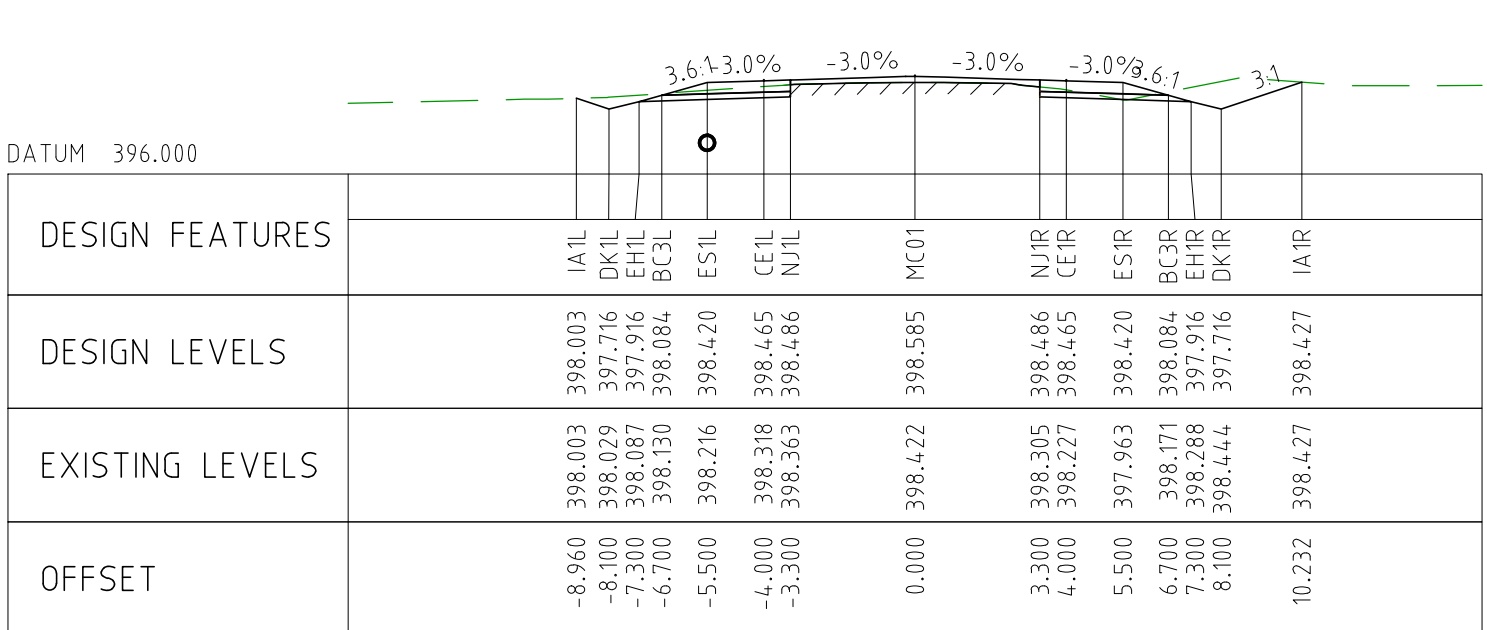
CHAINAGE 12400



CHAINAGE 12350






CHAINAGE 12300

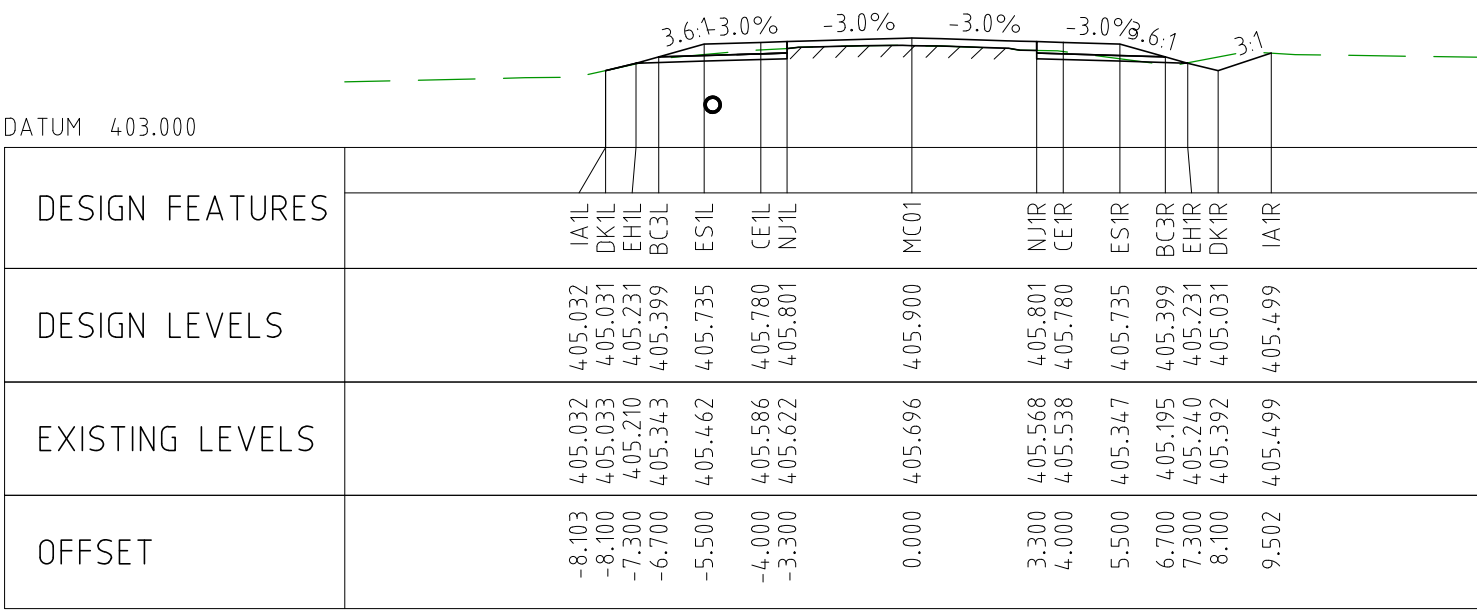


CHAINAGE 12250

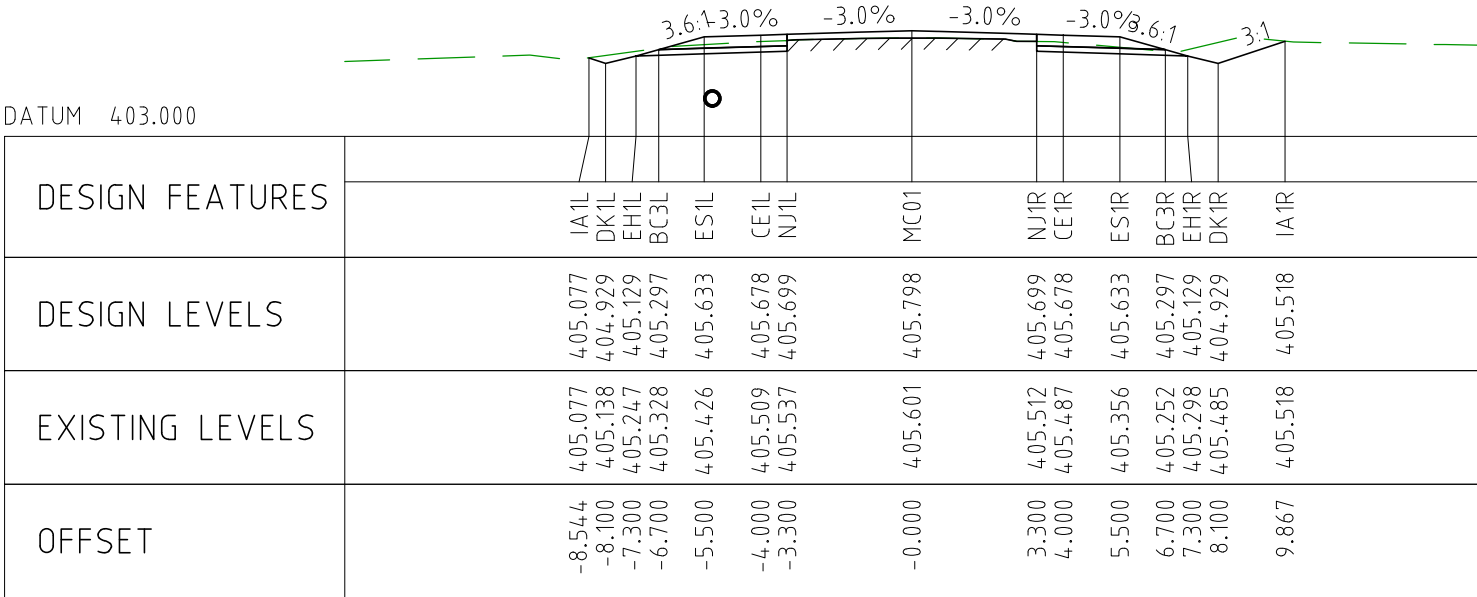
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

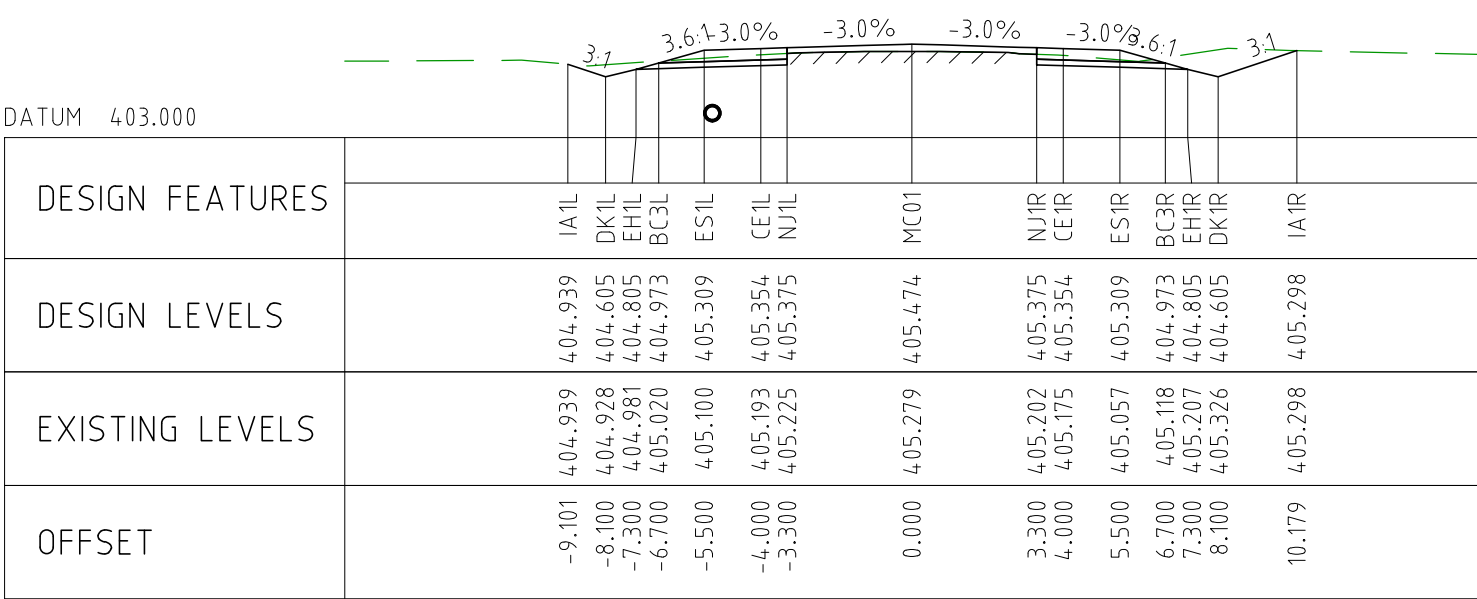
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS17.dwg					PLOT DATE 04 Nov 2022		TIME 12:13:53		CLIENT DOCUMENT No COV-M040-CI-DWG-0129																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:200</div> <div></div>		<div>DESIGNER</div> <div>SMC</div> <div>Member of the Surbana Jurong Group</div> <div>© ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div>covalent LITHIUM</div>		<div>PROJECT TITLE</div> <div>MOUNT HOLLAND LITHIUM MINE</div> <div>PARKER RANGE ROAD</div> <div>CROSS SECTIONS - MC01</div> <div>SHEET 17 OF 41</div>		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS17	REVISION 0																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	0	04.11.22	ISSUED FOR CONSTRUCTION		003	DM	DRAFTER	JW																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
							DRAFTING CHECK	TM																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
							DESIGNER	TM																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
							DESIGN CHECK	TM																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
							PROJECT MANAGER	DM																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
						PROJECT DIRECTOR	RJ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																



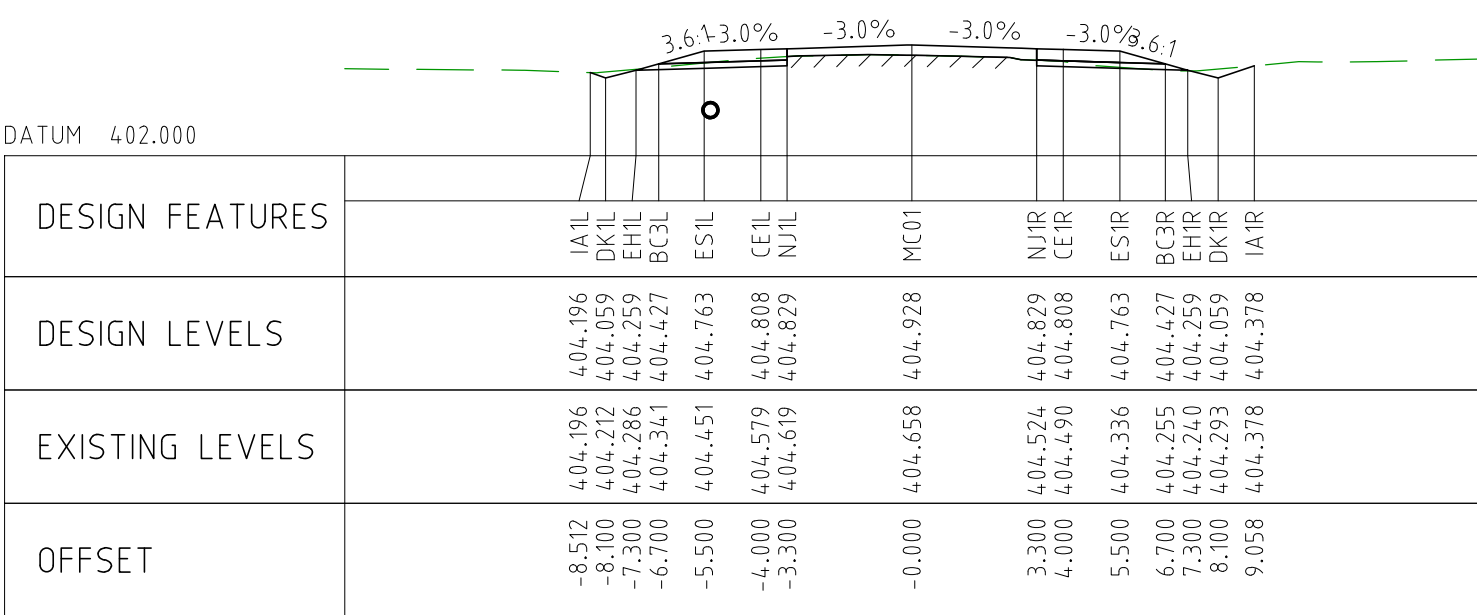
CHAINAGE 13450



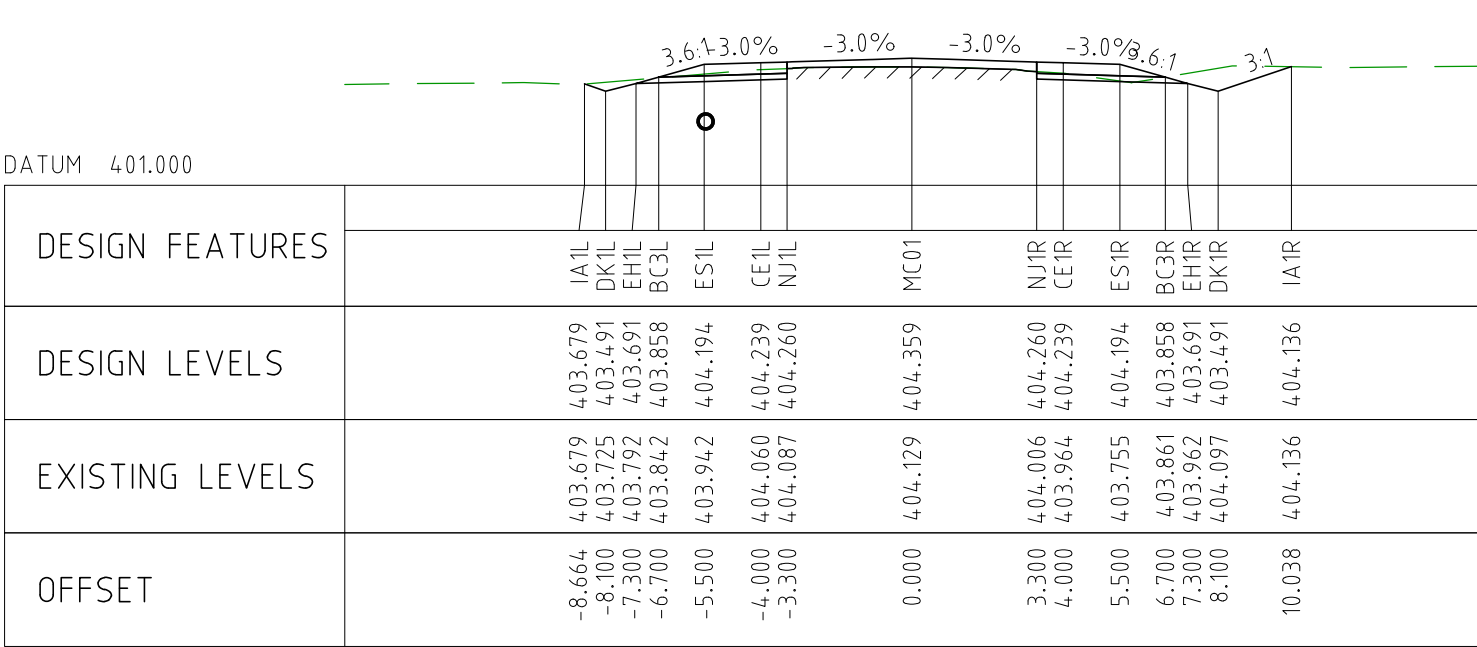
CHAINAGE 13400



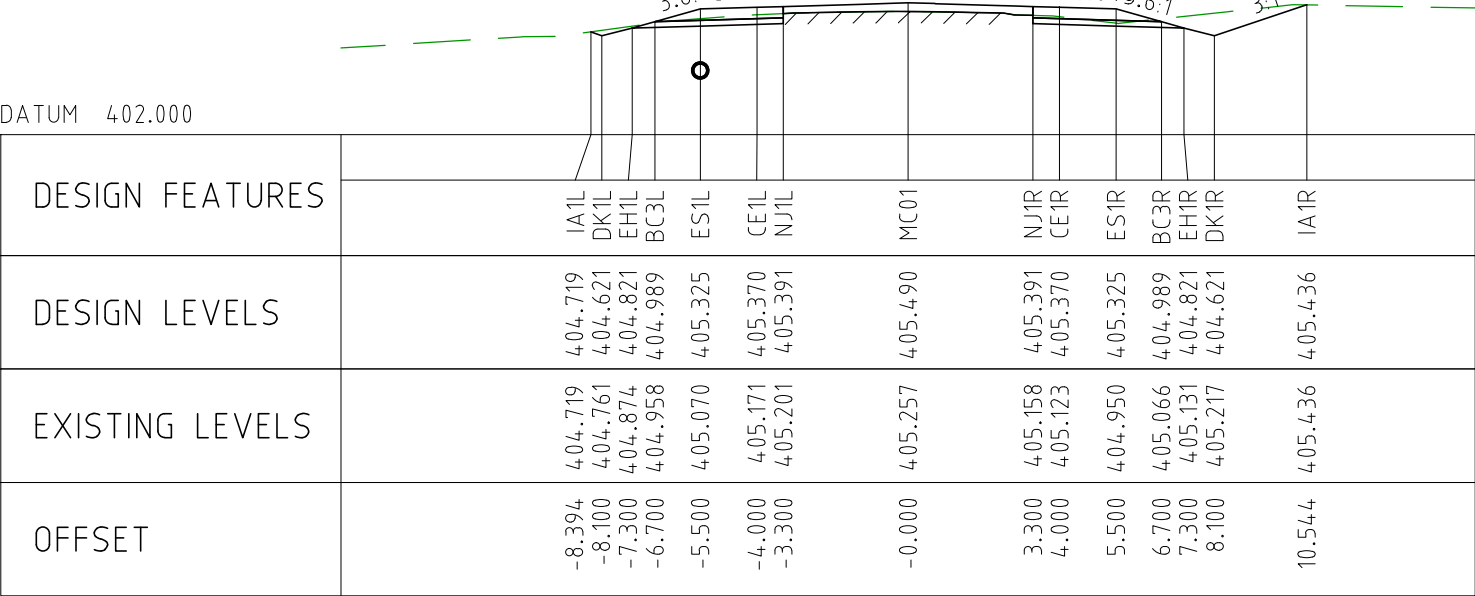
CHAINAGE 13350



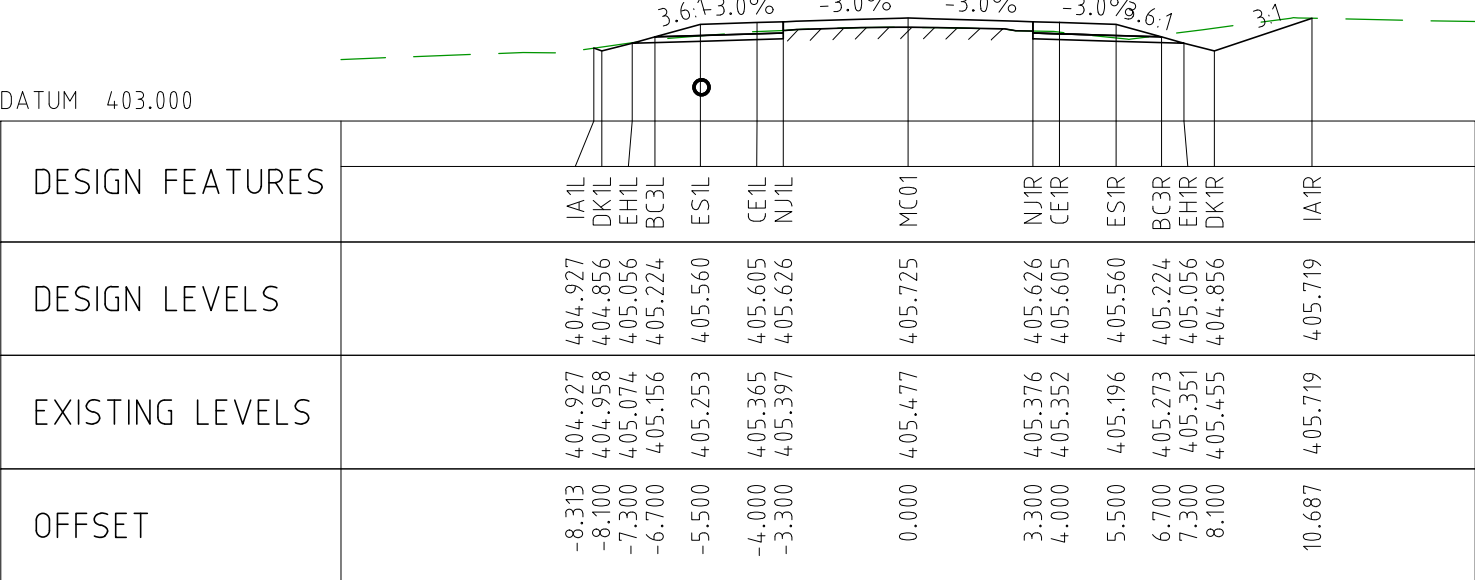
CHAINAGE 13300



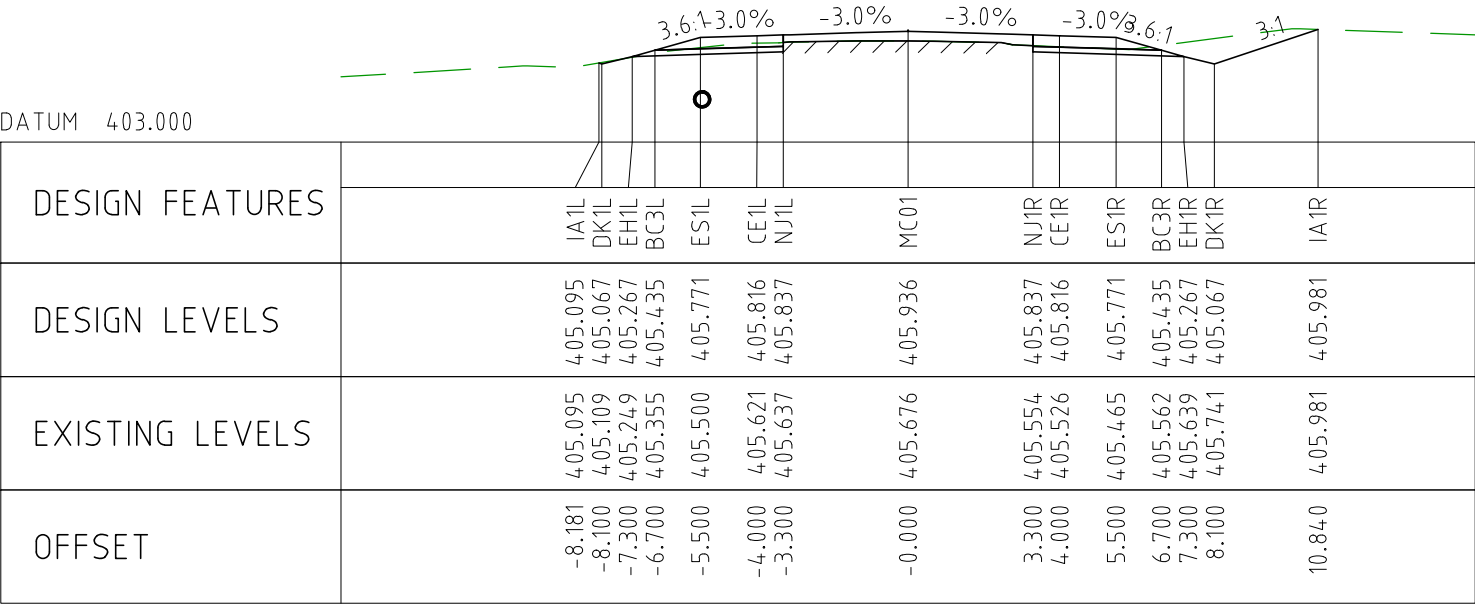
CHAINAGE 13250



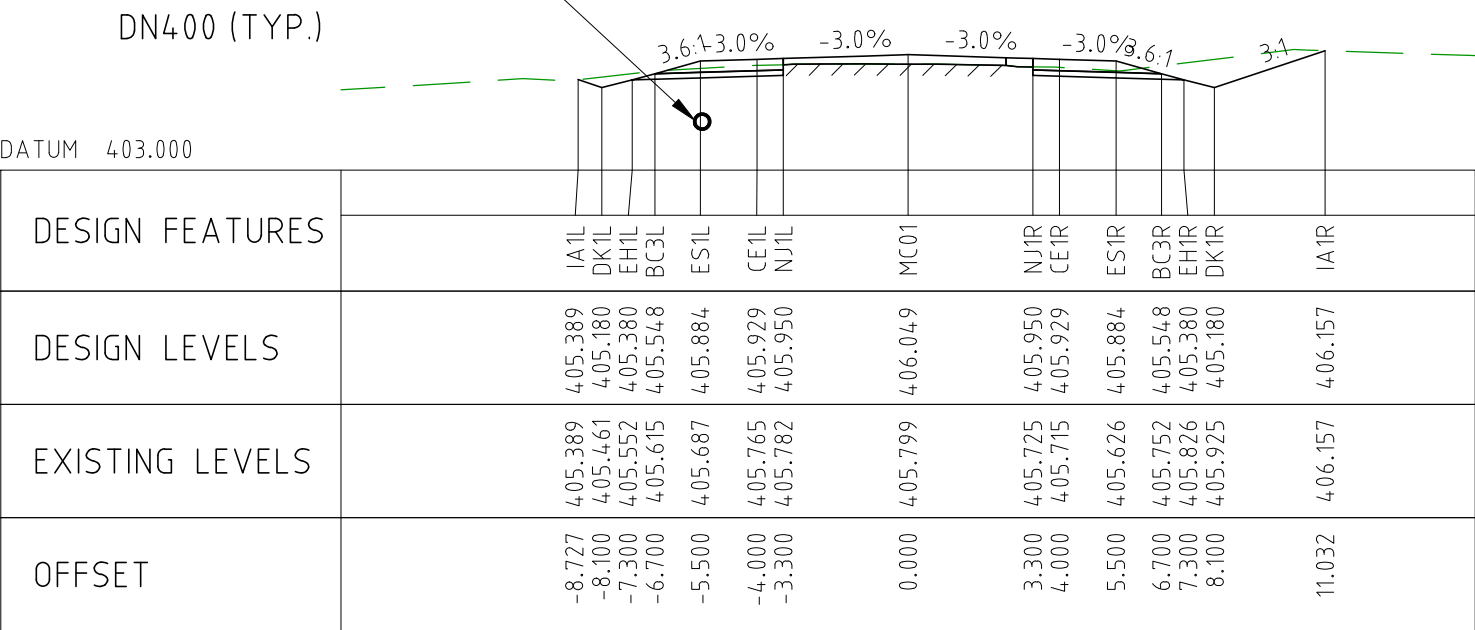
CHAINAGE 13700



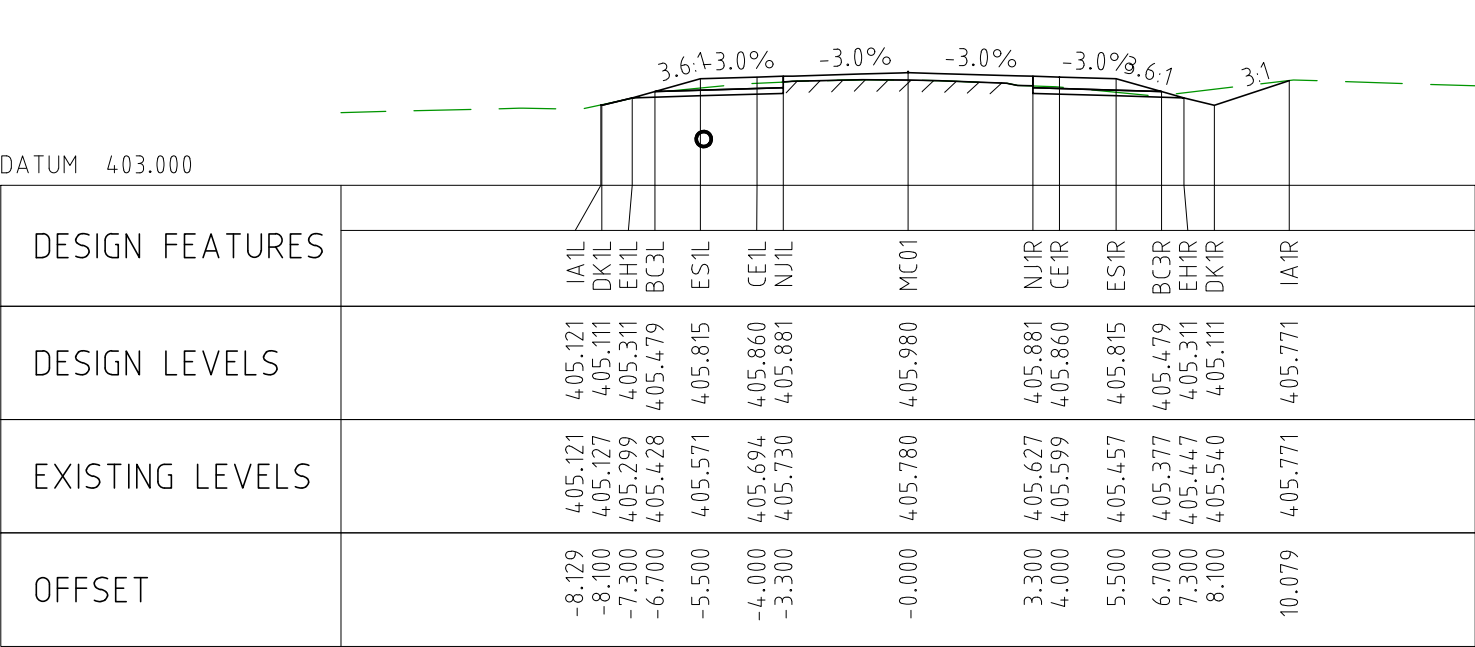
CHAINAGE 13650



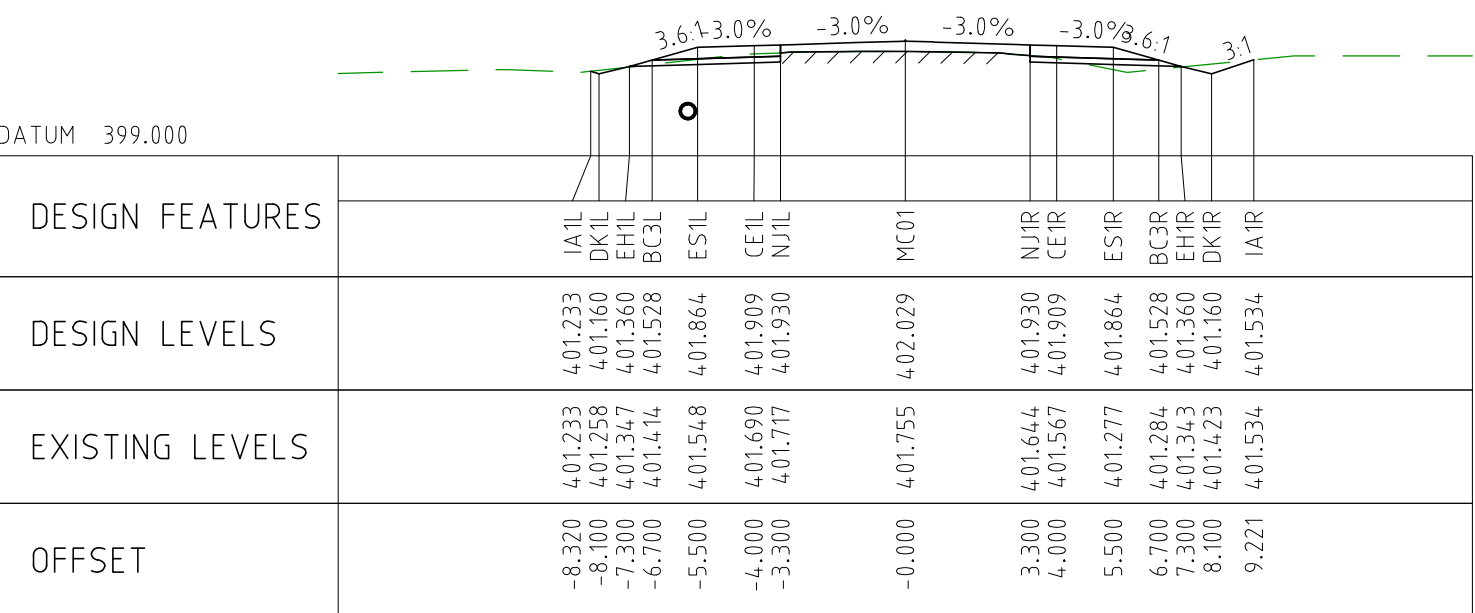
CHAINAGE 13600



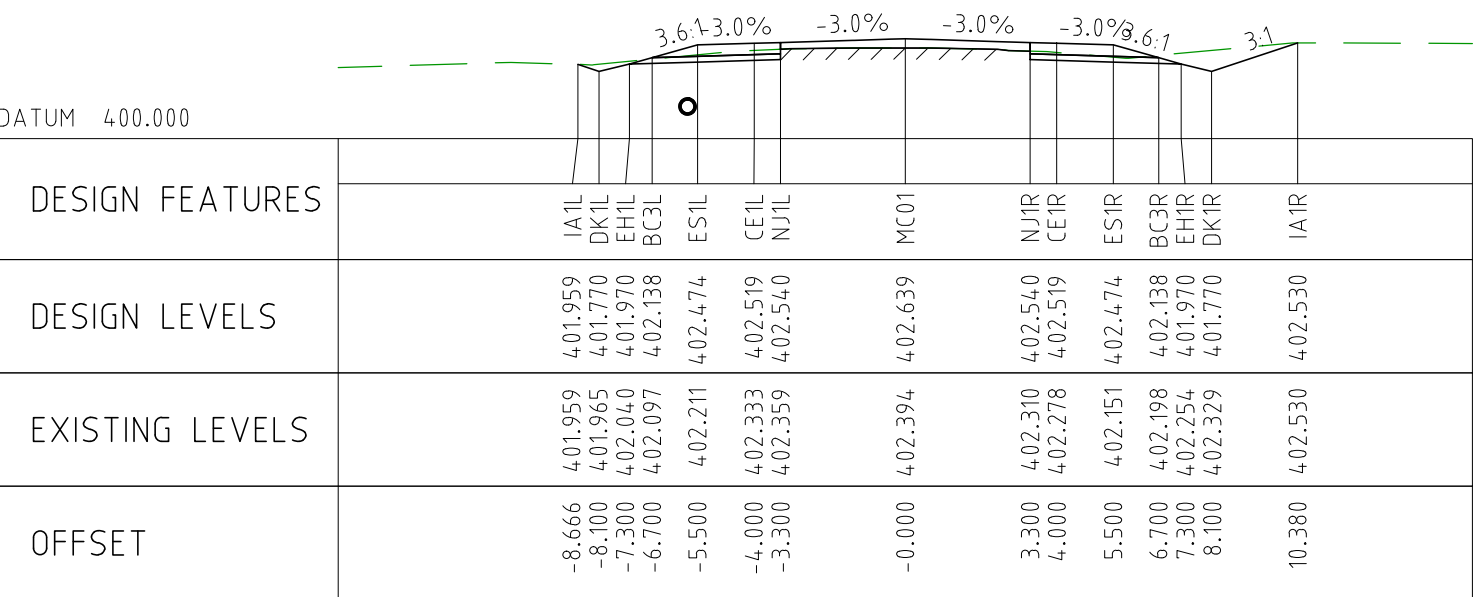
CHAINAGE 13550



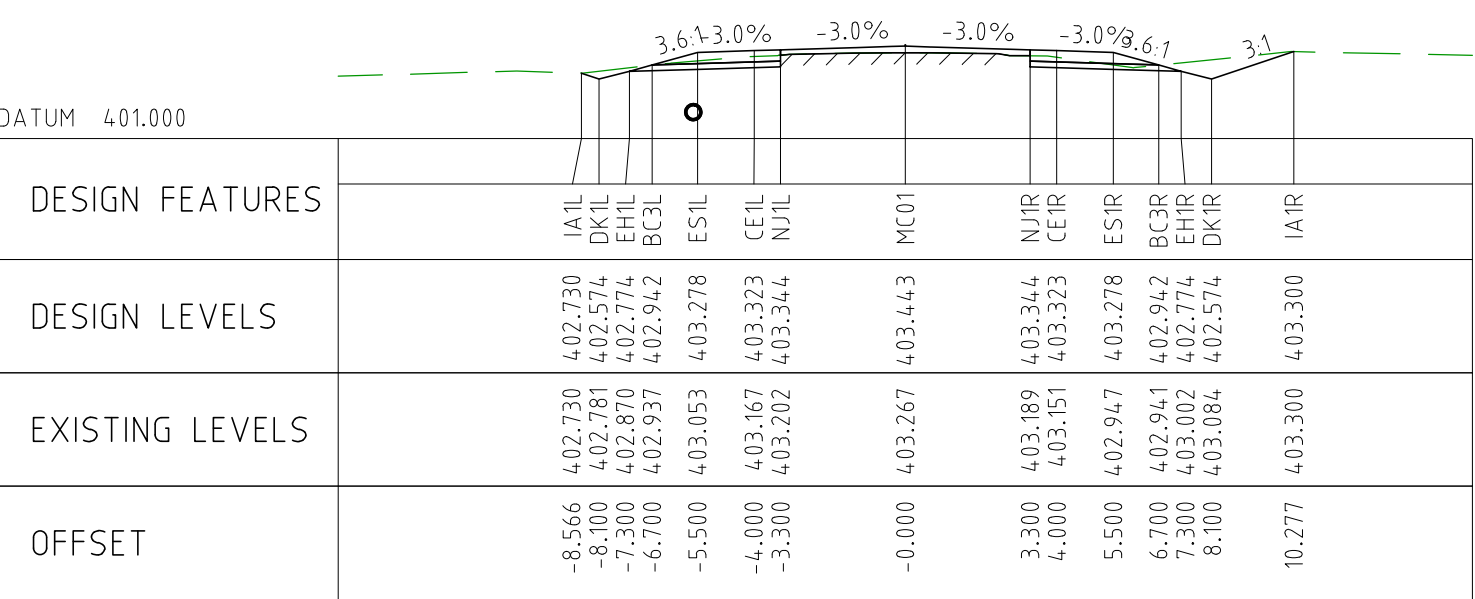
CHAINAGE 13500



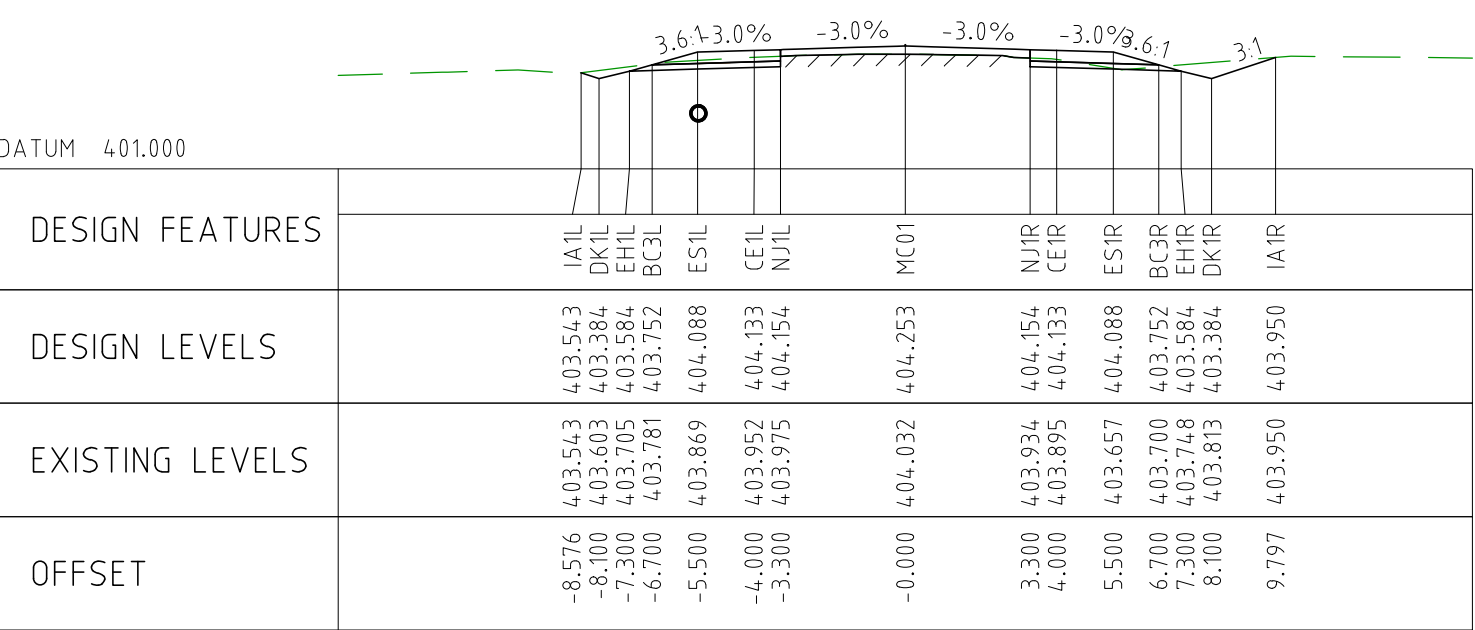
CHAINAGE 13950



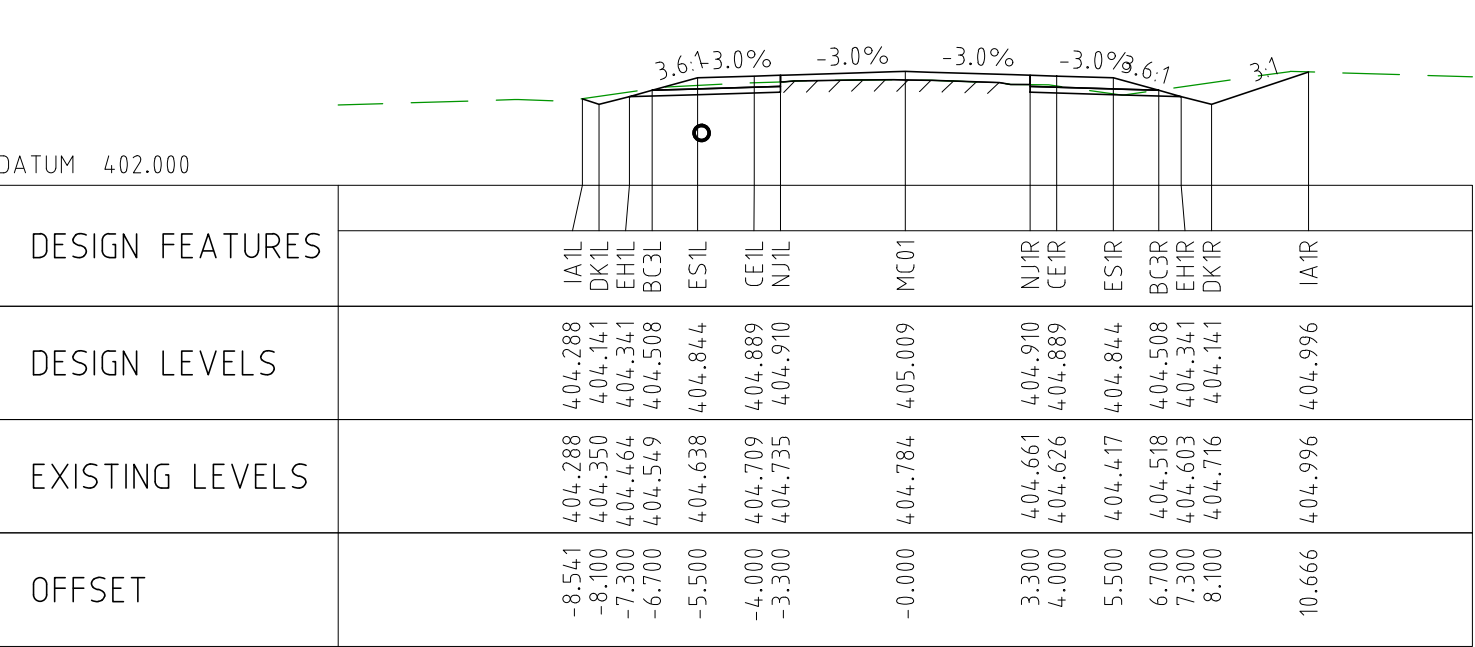
CHAINAGE 13900



CHAINAGE 13850



CHAINAGE 13800

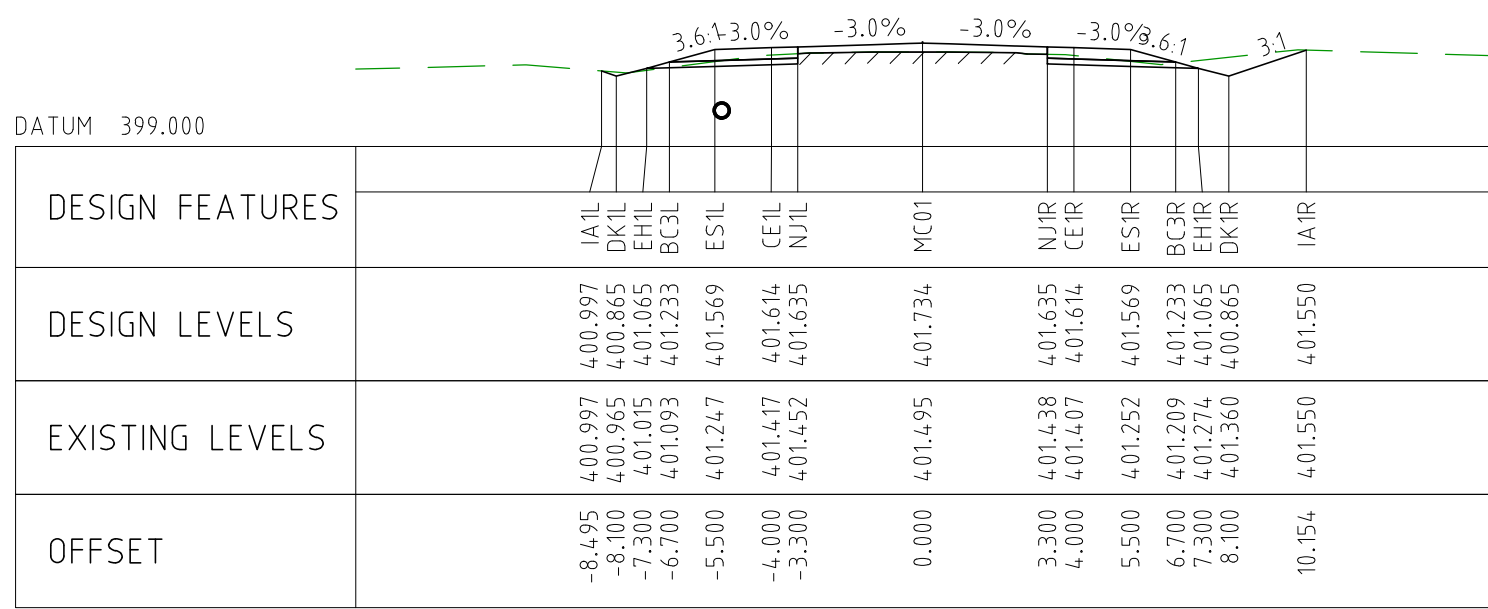


CHAINAGE 13750

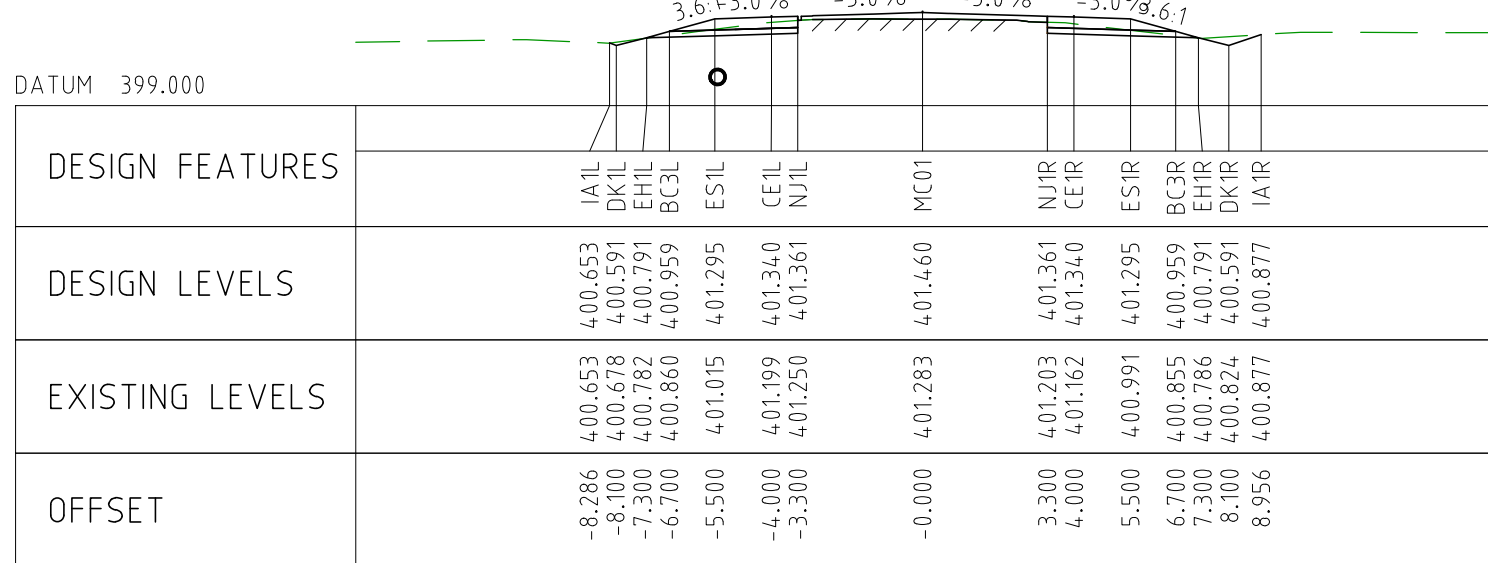
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

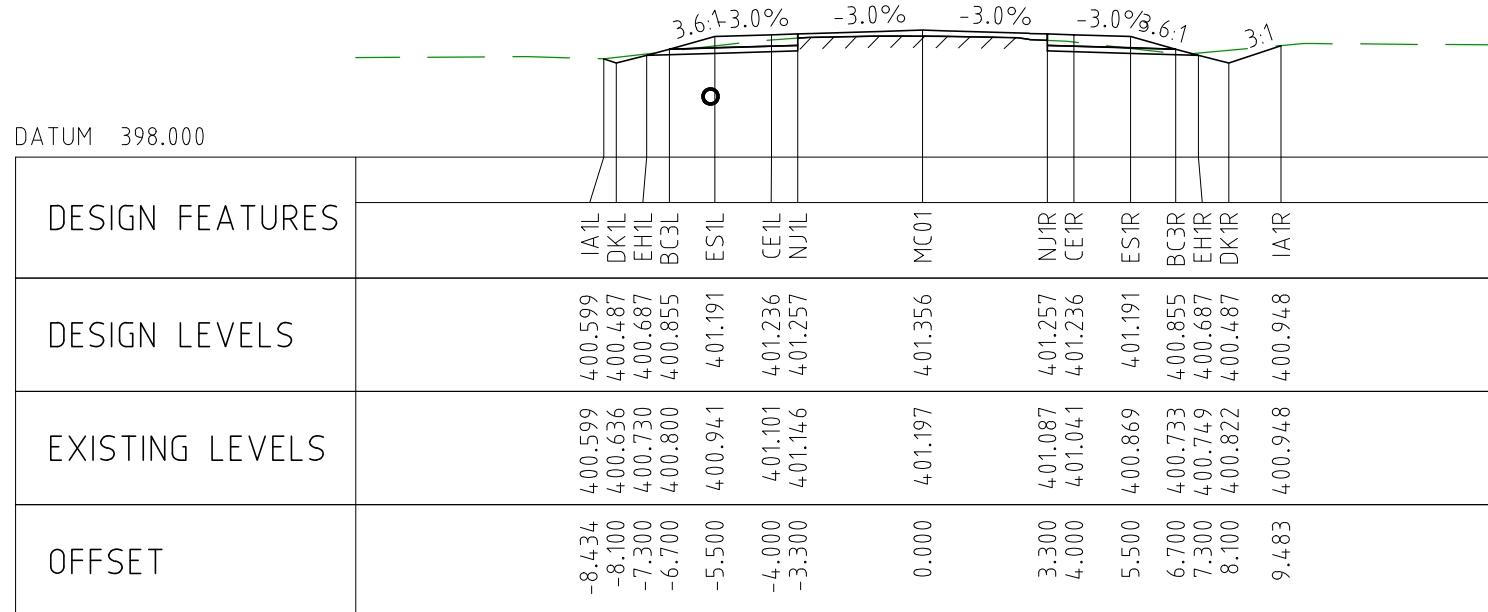
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS19.dwg					PLOT DATE 04 Nov 2022		TIME 12:15:11		CLIENT DOCUMENT No COV-M040-CI-DWG-0131											
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:200</div> <div></div>		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493</div>		CLIENT <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 19 OF 41				
								DRAFTER JW								SCALE 1:200		PHASE DETAILED	PROJECT / DRAWING No 3006493-XS19	REVISION 0
								DRAFTING CHECK TM												
								DESIGNER TM												
								DESIGN CHECK TM												
								PROJECT MANAGER DM												
								PROJECT DIRECTOR RI												



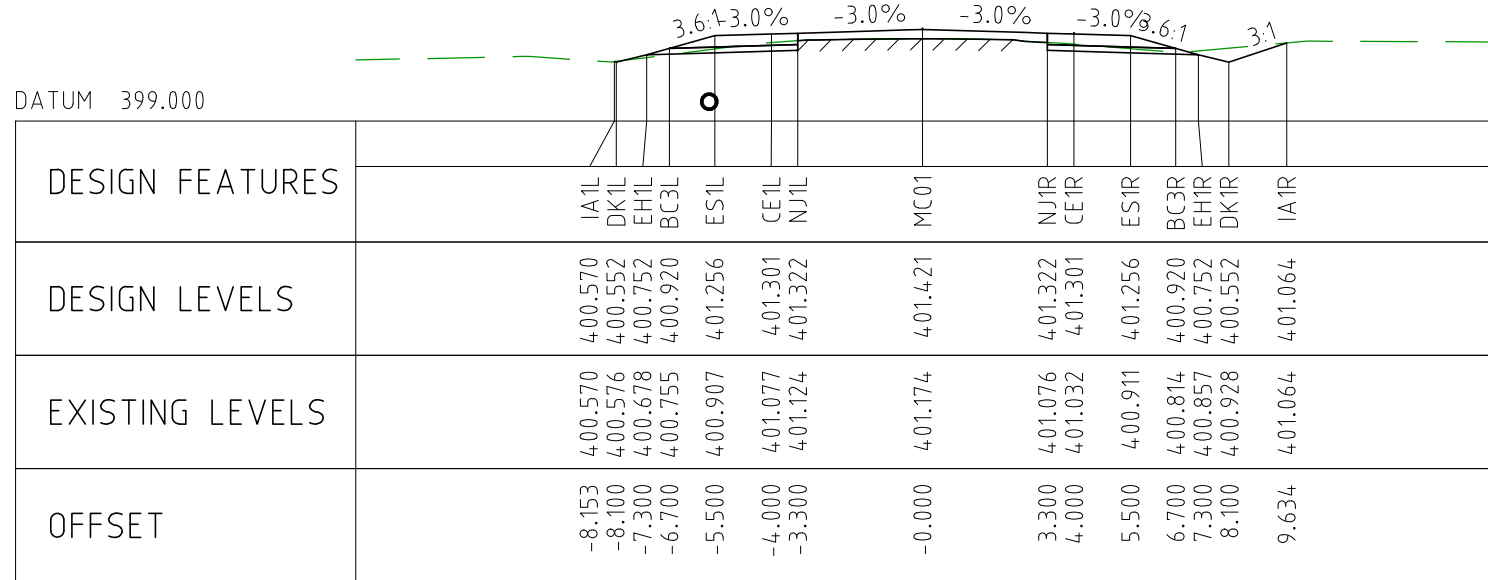
CHAINAGE 14200



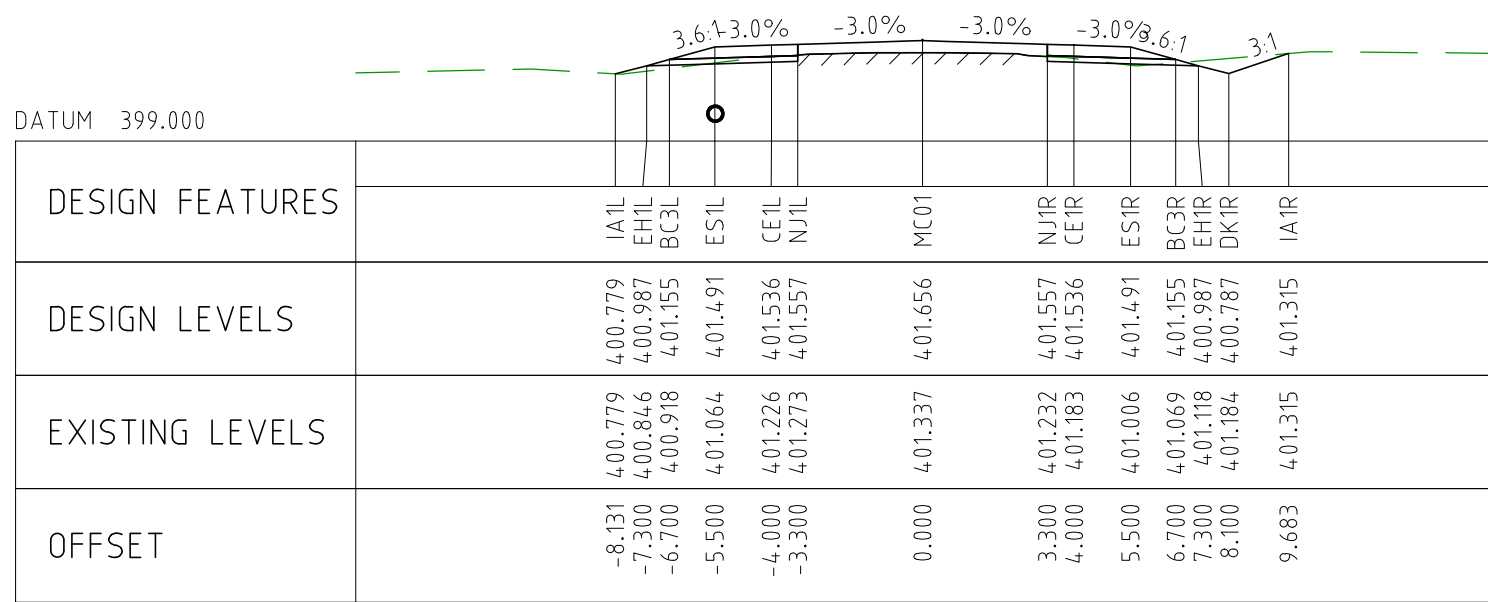
CHAINAGE 14150



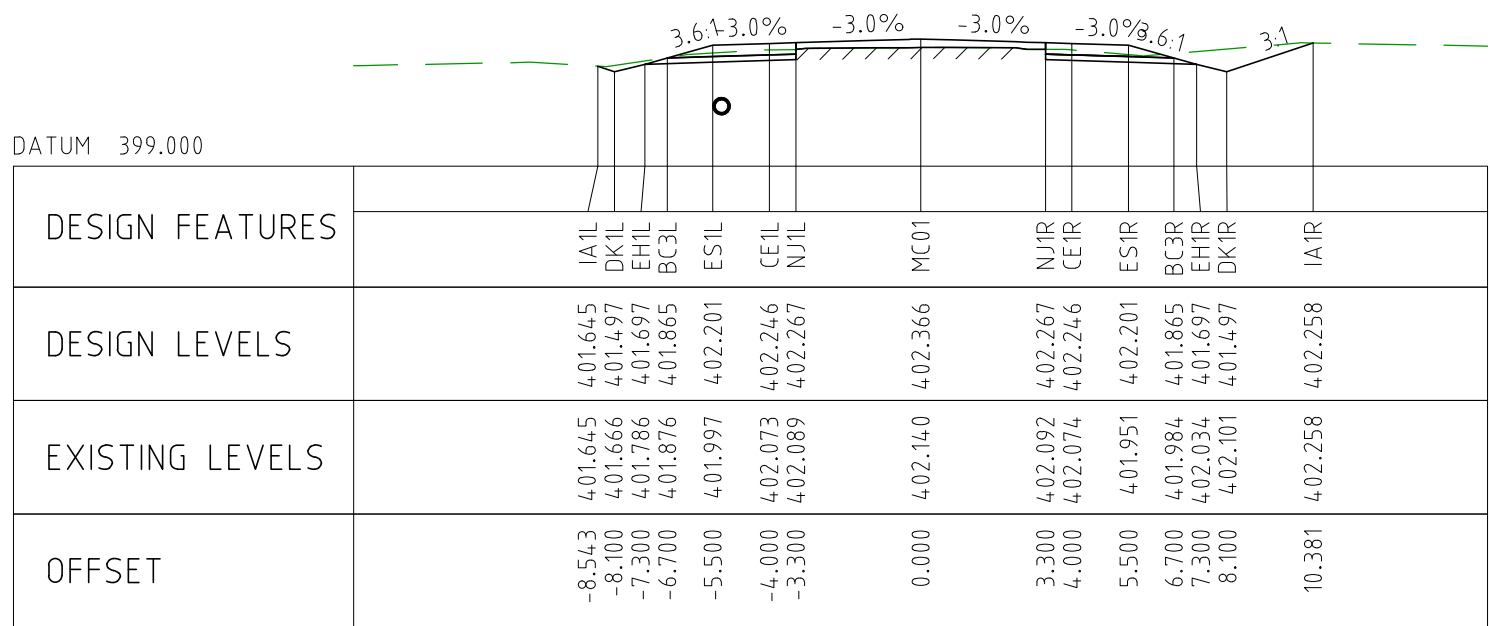
CHAINAGE 14100



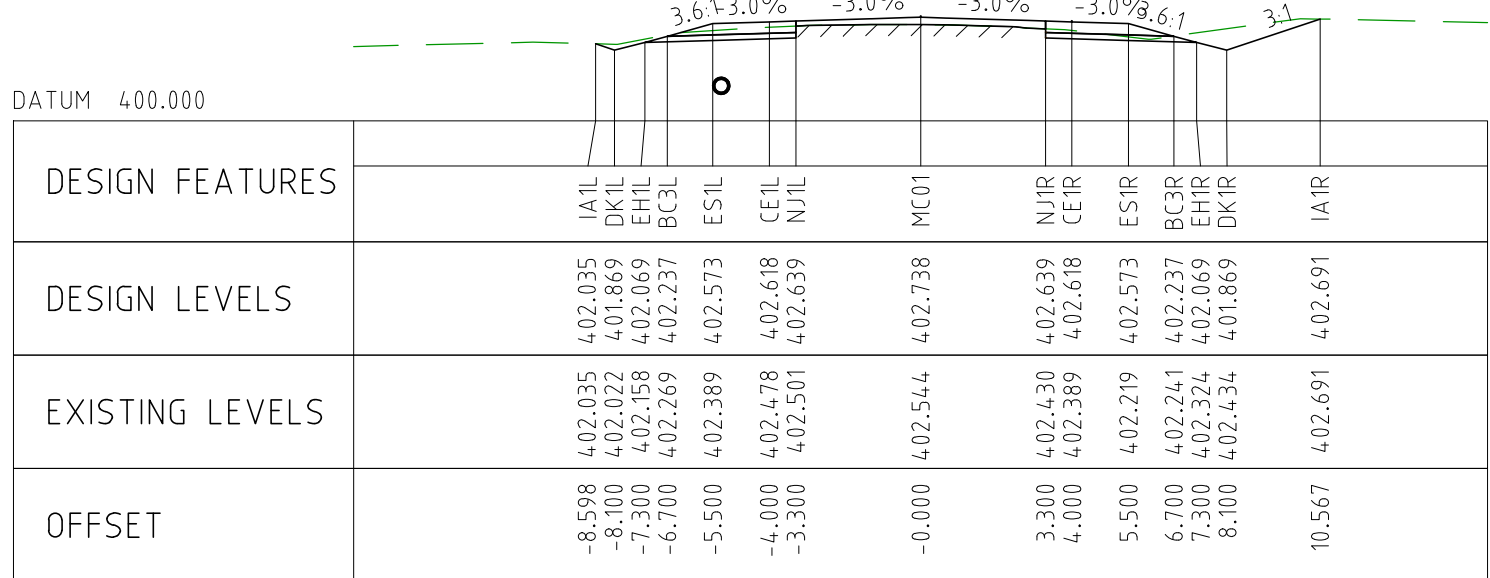
CHAINAGE 14050



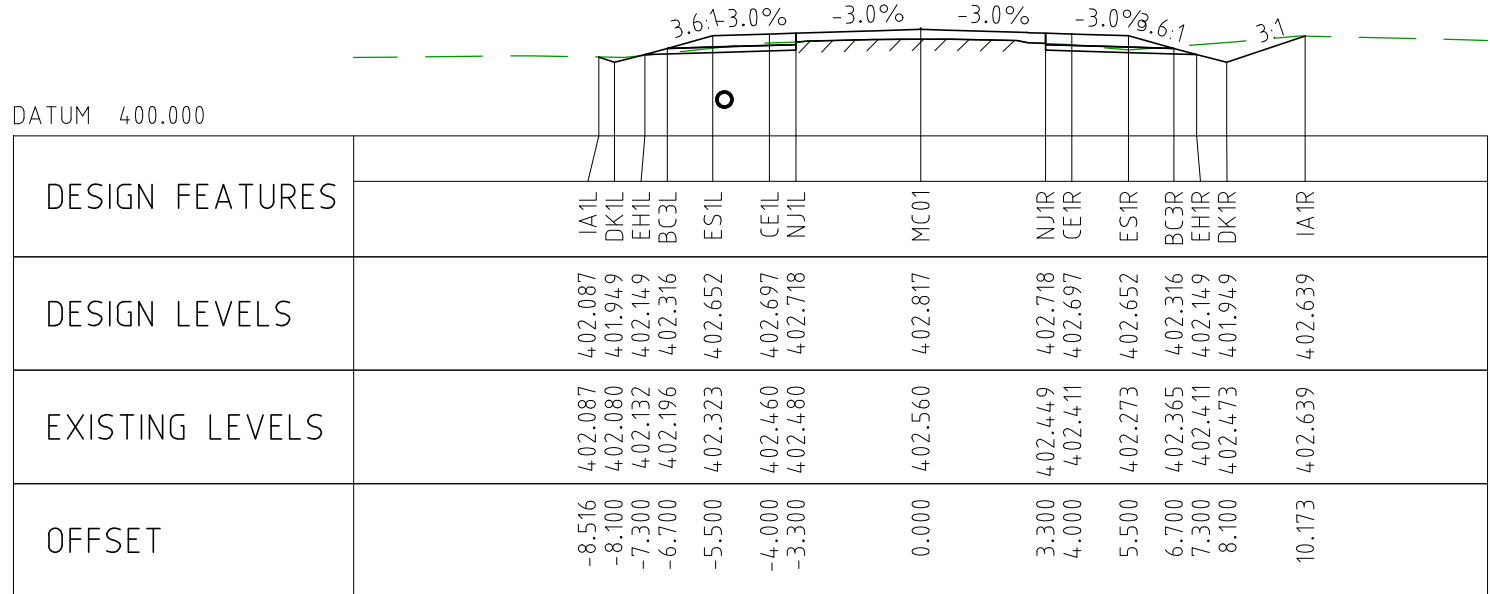
CHAINAGE 14000



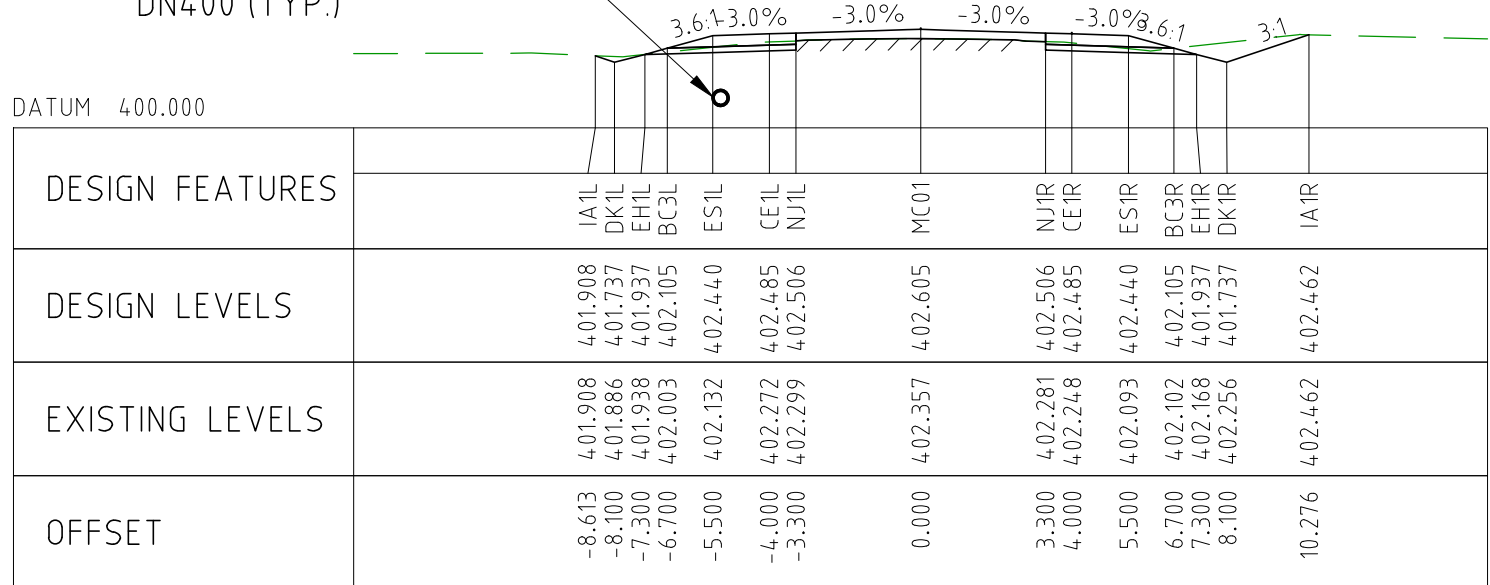
CHAINAGE 14450



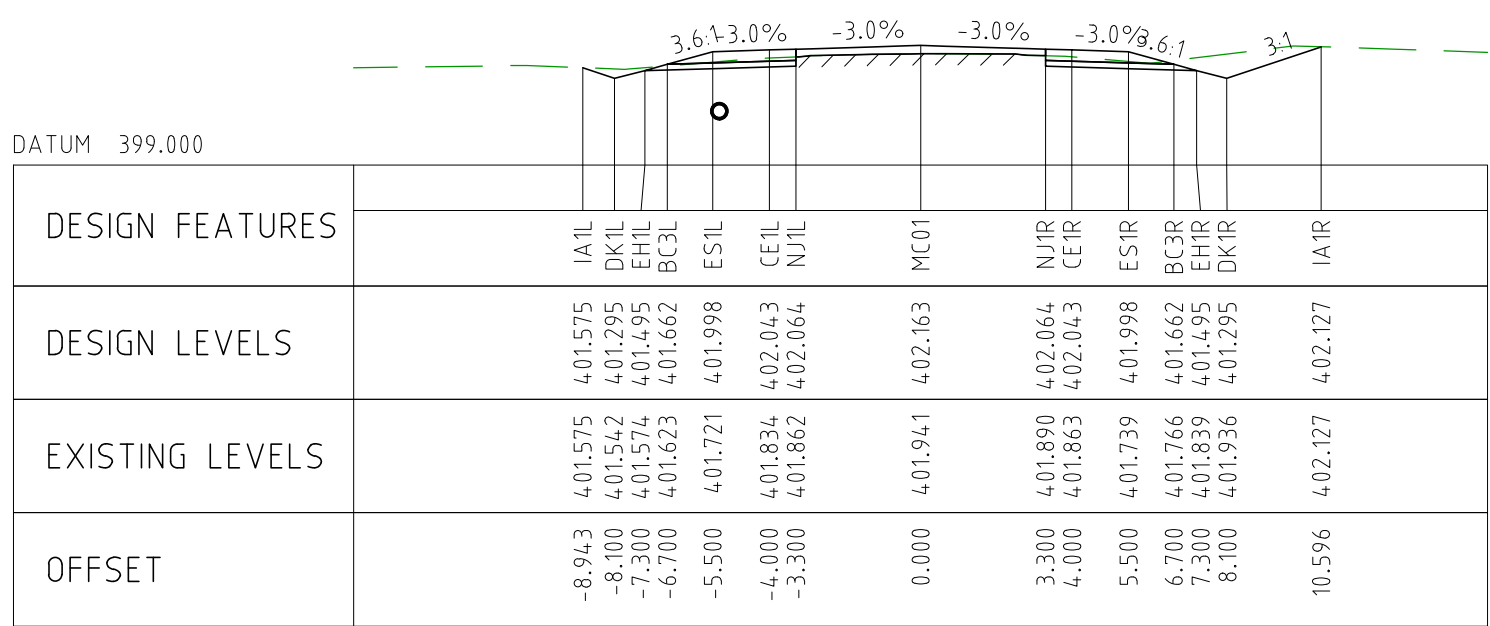
CHAINAGE 14400



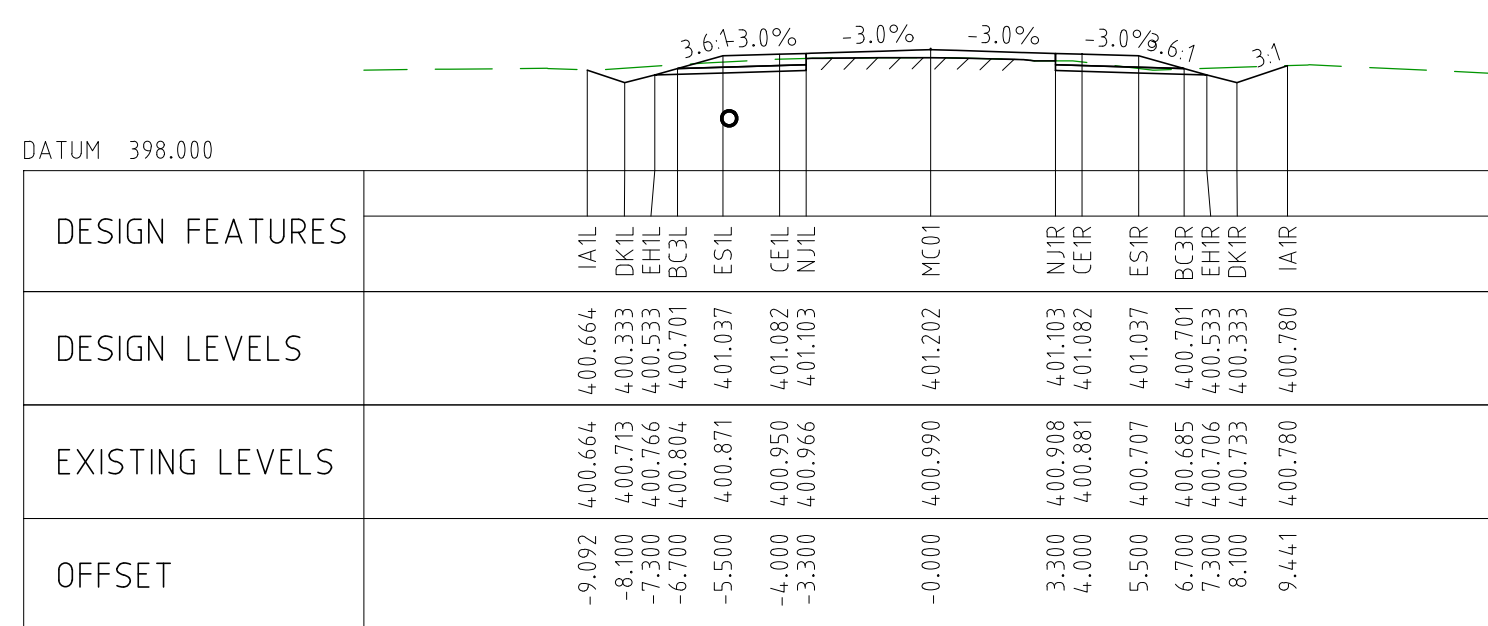
CHAINAGE 14350



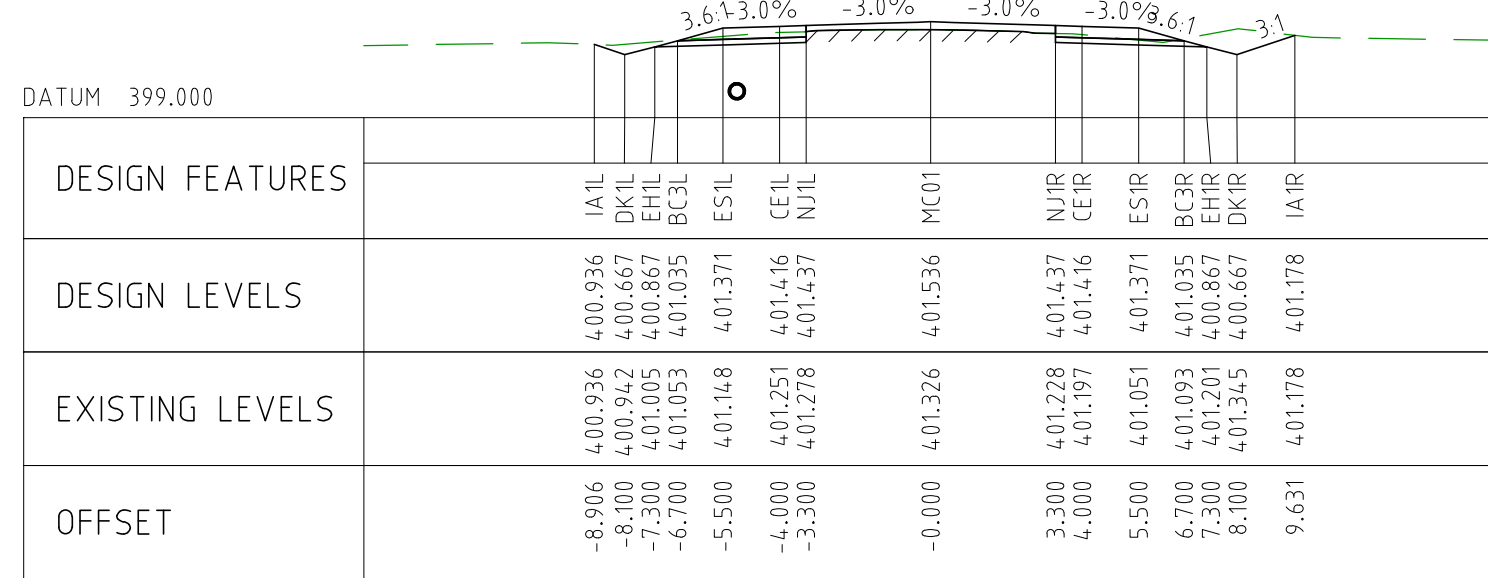
CHAINAGE 14300



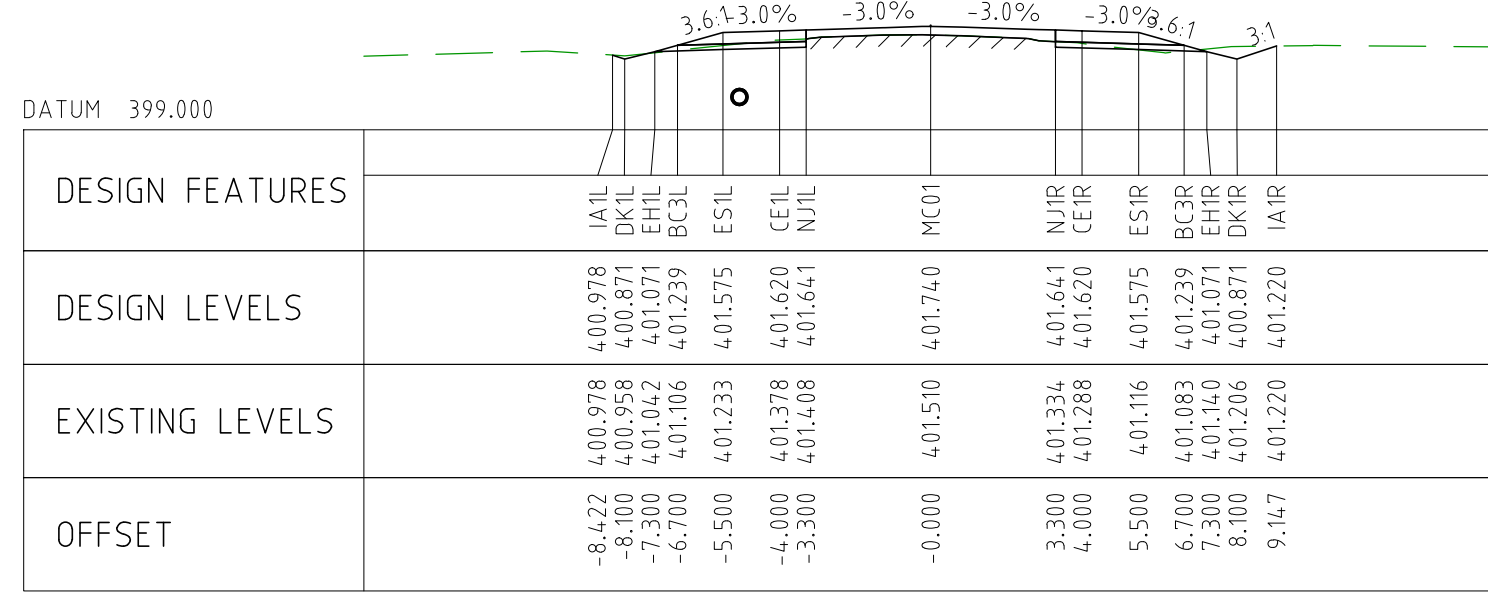
CHAINAGE 14250



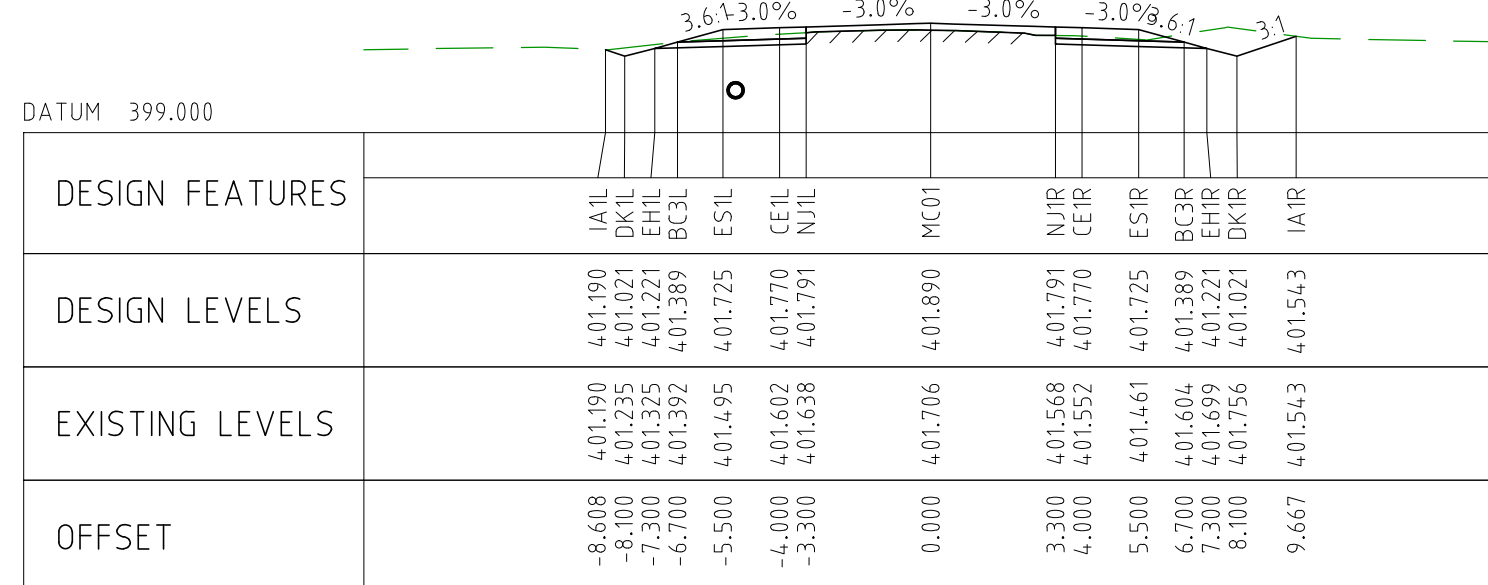
CHAINAGE 14700



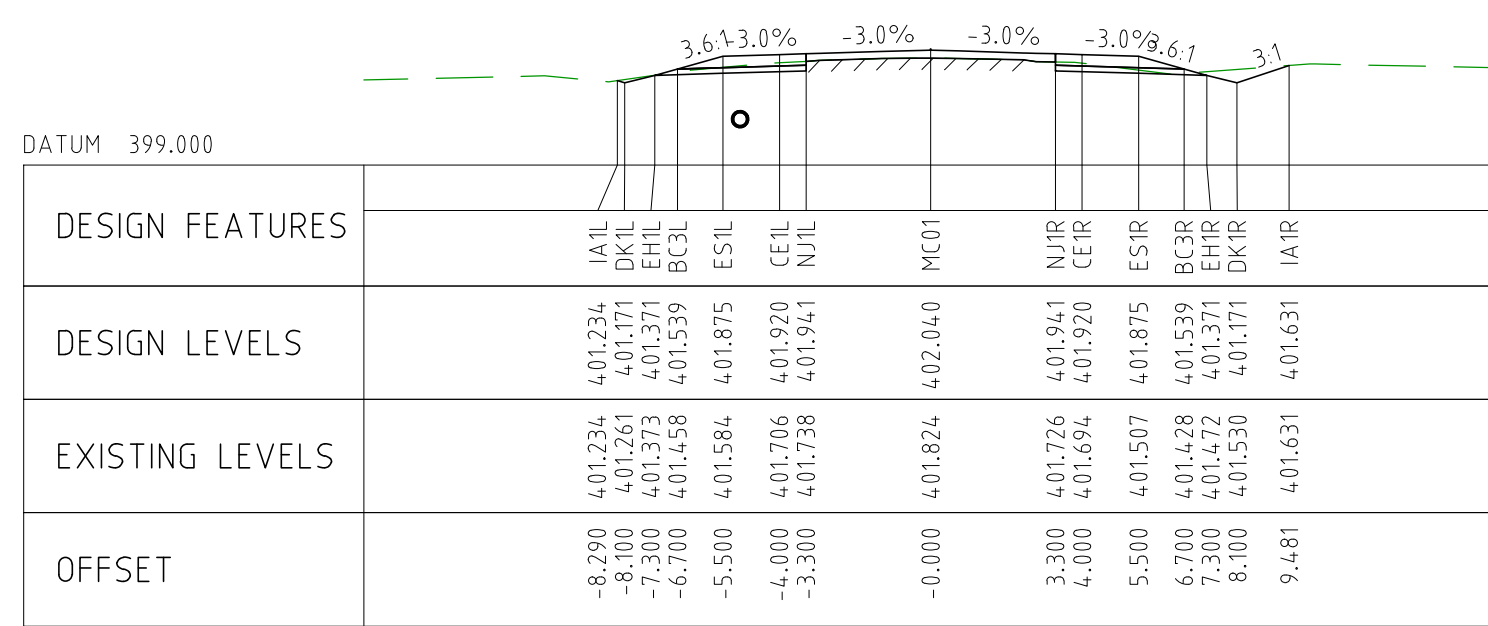
CHAINAGE 14650



CHAINAGE 14600






CHAINAGE 14550

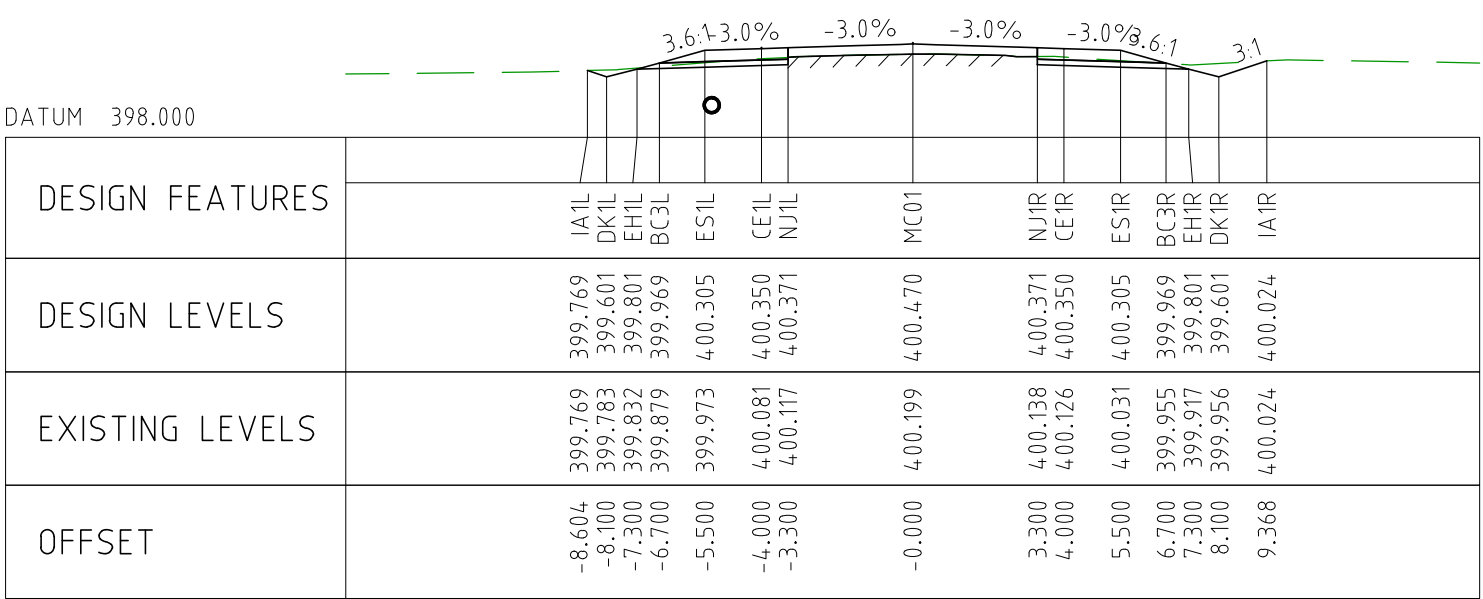


CHAINAGE 14500

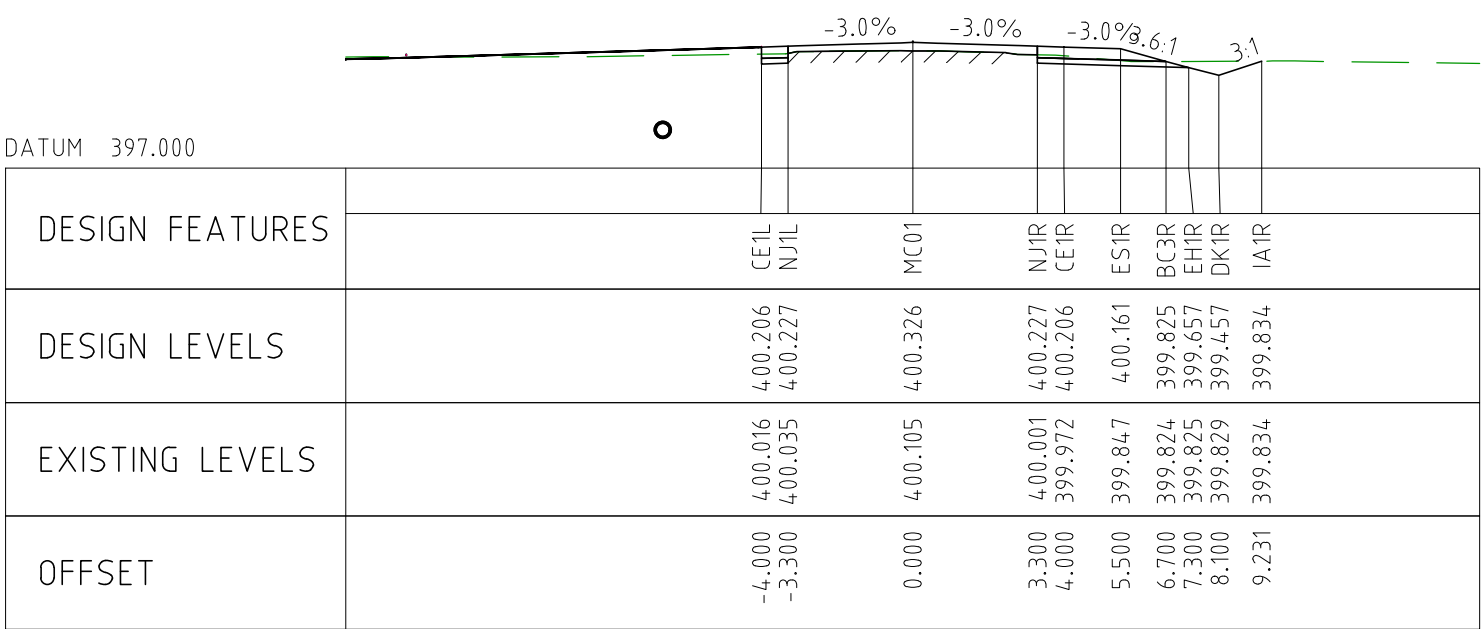
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

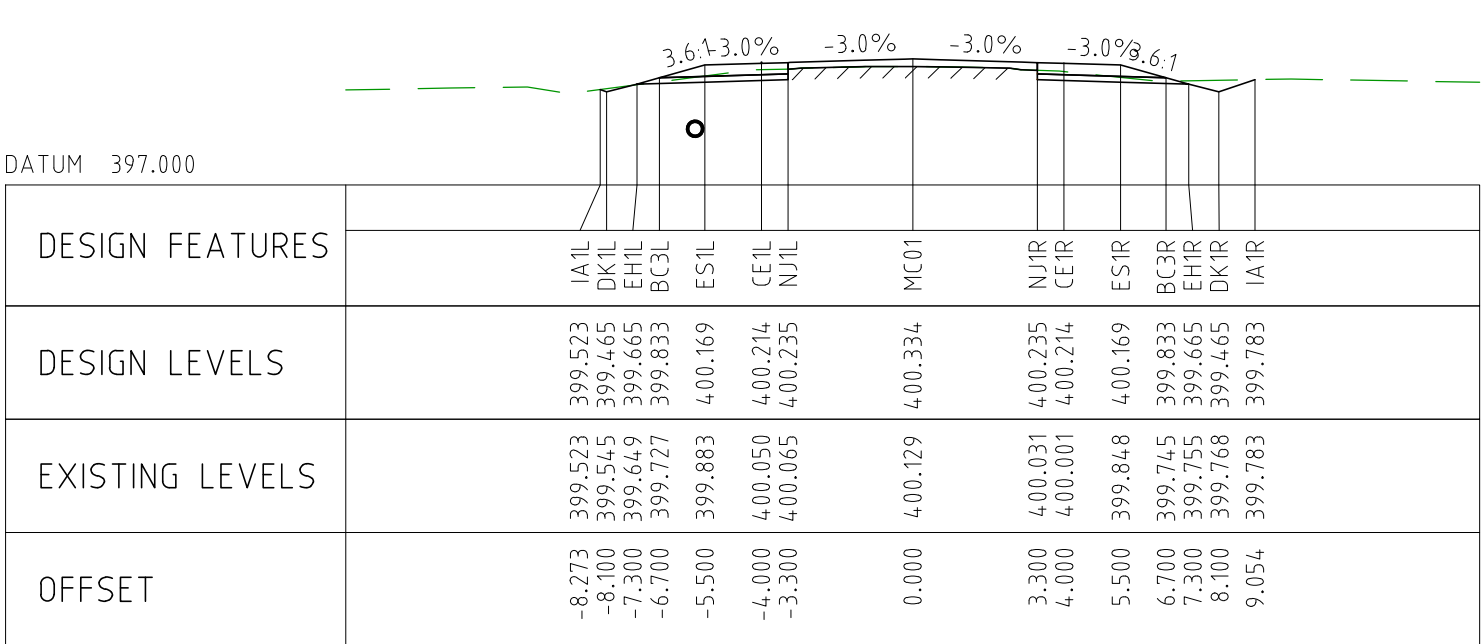
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS20.dwg					PLOT DATE 04 Nov 2022		TIME 12:15:52		CLIENT DOCUMENT No COV-M040-CI-DWG-0132									
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 20 OF 41			
		0	04.11.22	ISSUED FOR CONSTRUCTION		003			JW	SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493						
								DRAFTER	TM							PROJECT / DRAWING No 3006493-XS20		
								DRAFTING CHECK	TM							REVISION 0		
								DESIGNER	TM									
								DESIGN CHECK	TM									
								PROJECT MANAGER	DM									
								PROJECT DIRECTOR	RI									



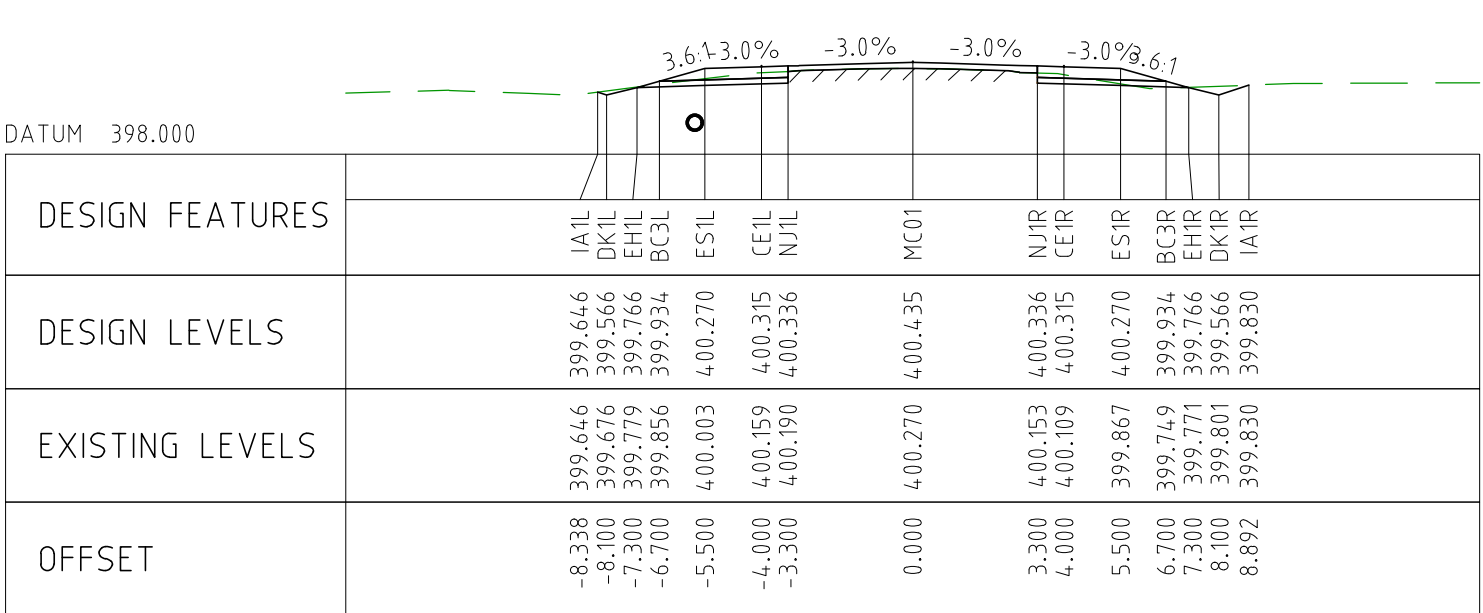
CHAINAGE 14950



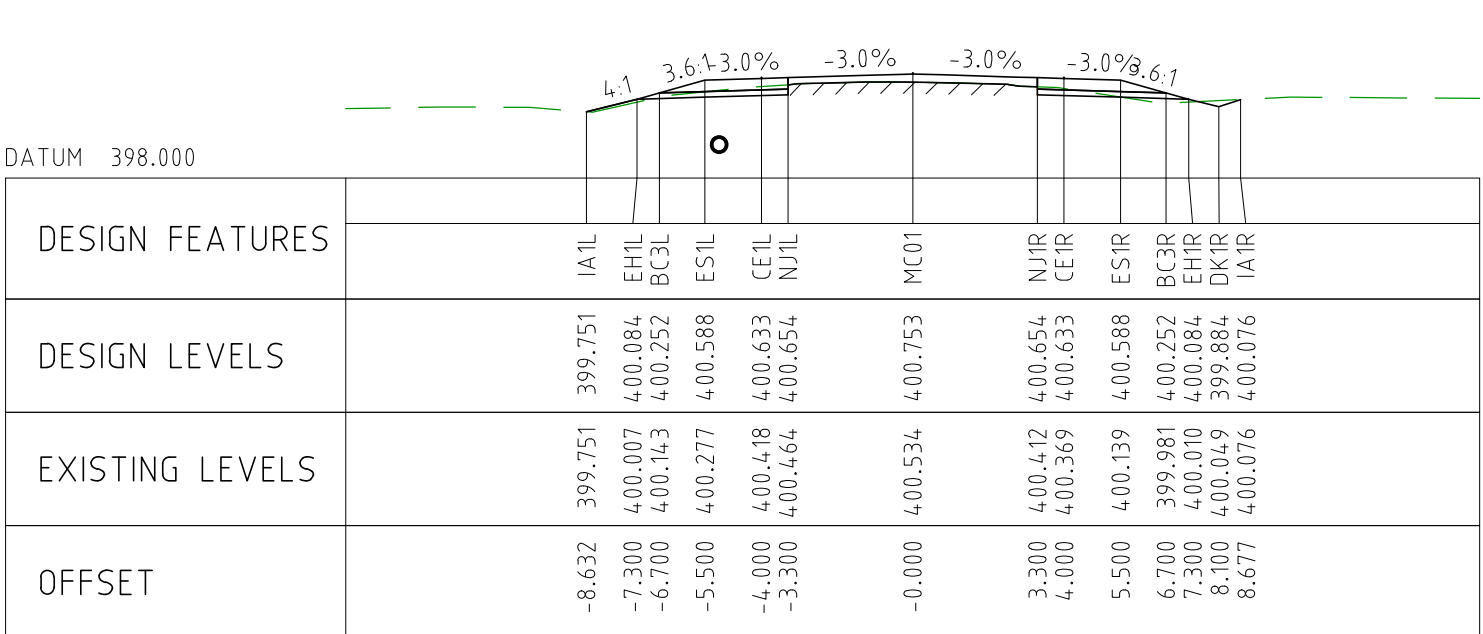
CHAINAGE 14900



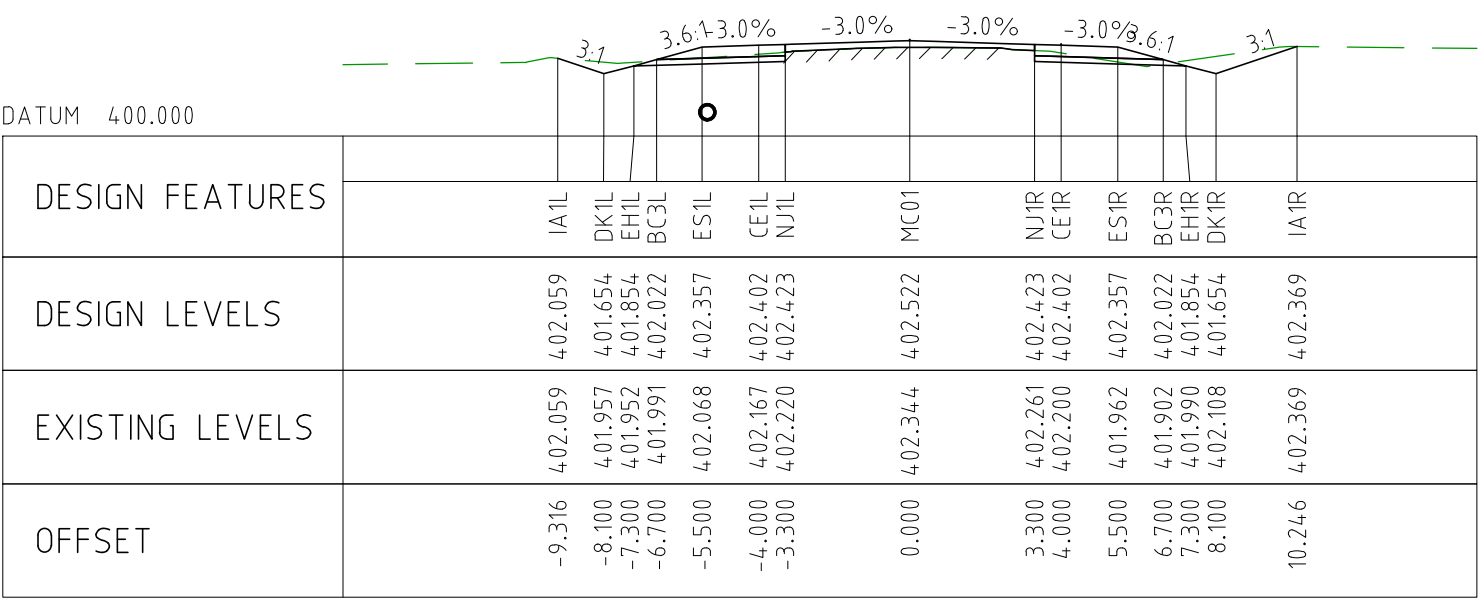
CHAINAGE 14850



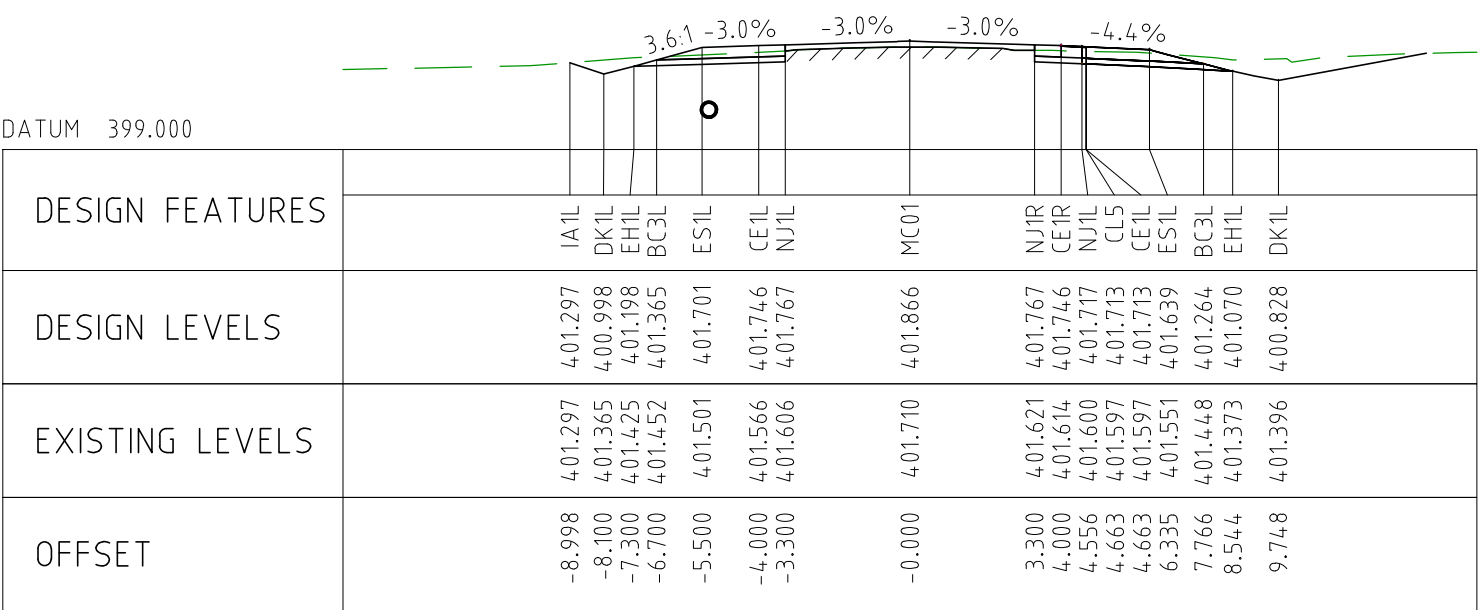
CHAINAGE 14800



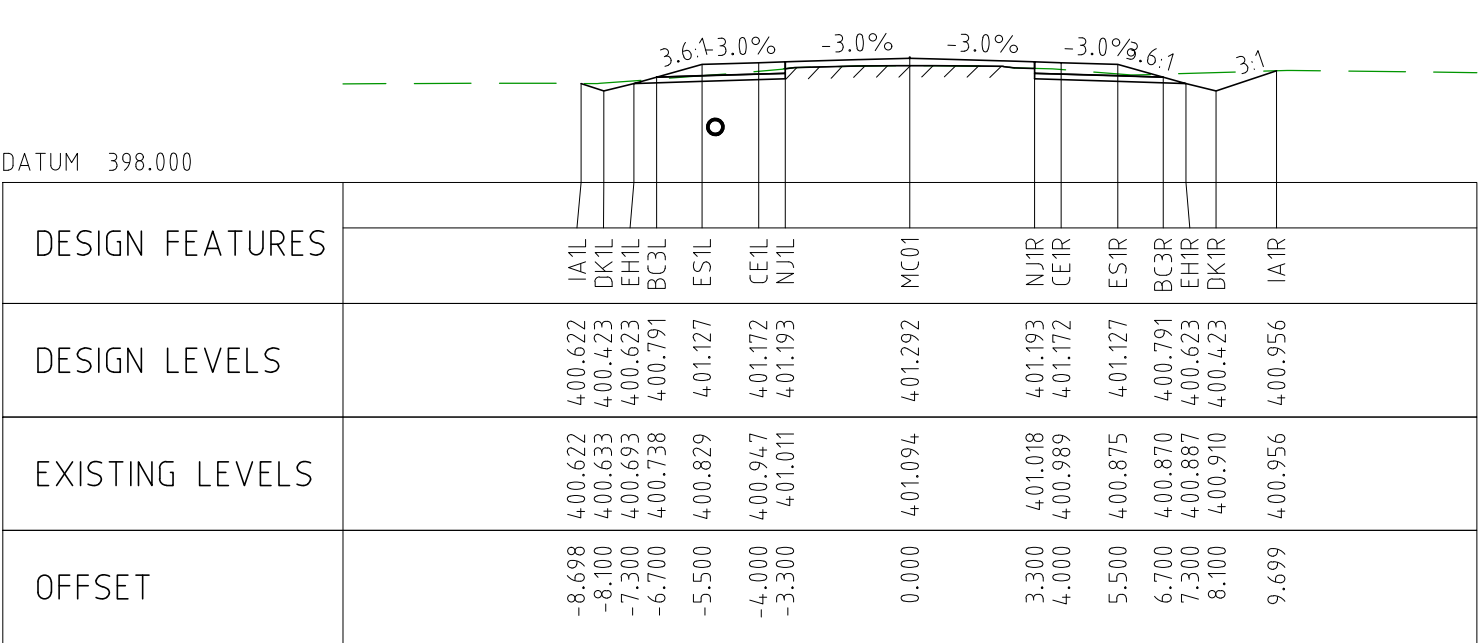
CHAINAGE 14750



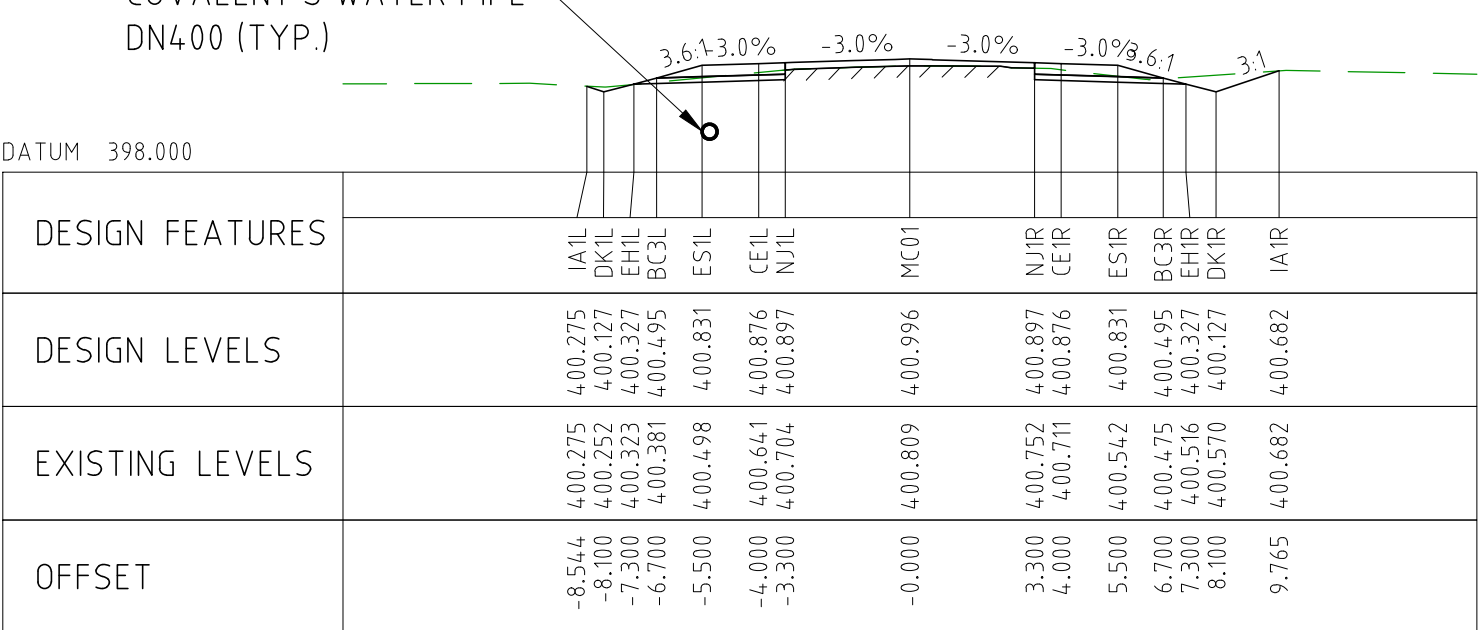
CHAINAGE 15200



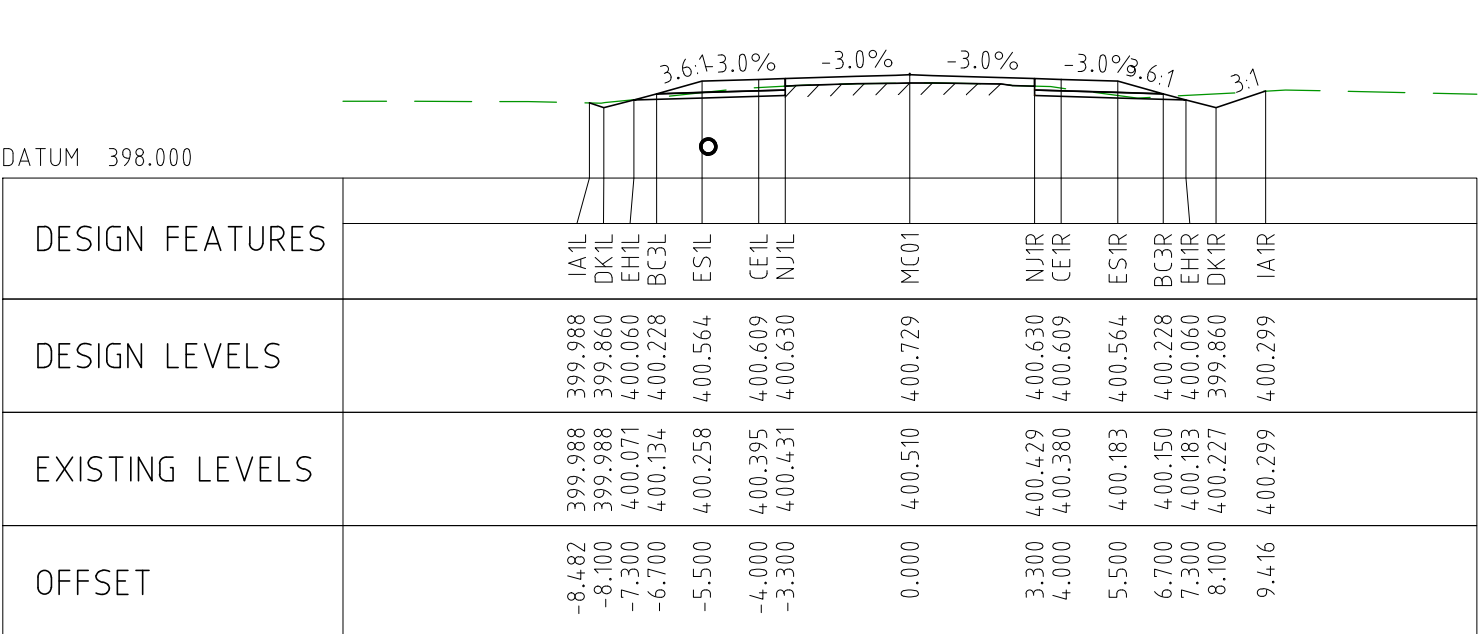
CHAINAGE 15150



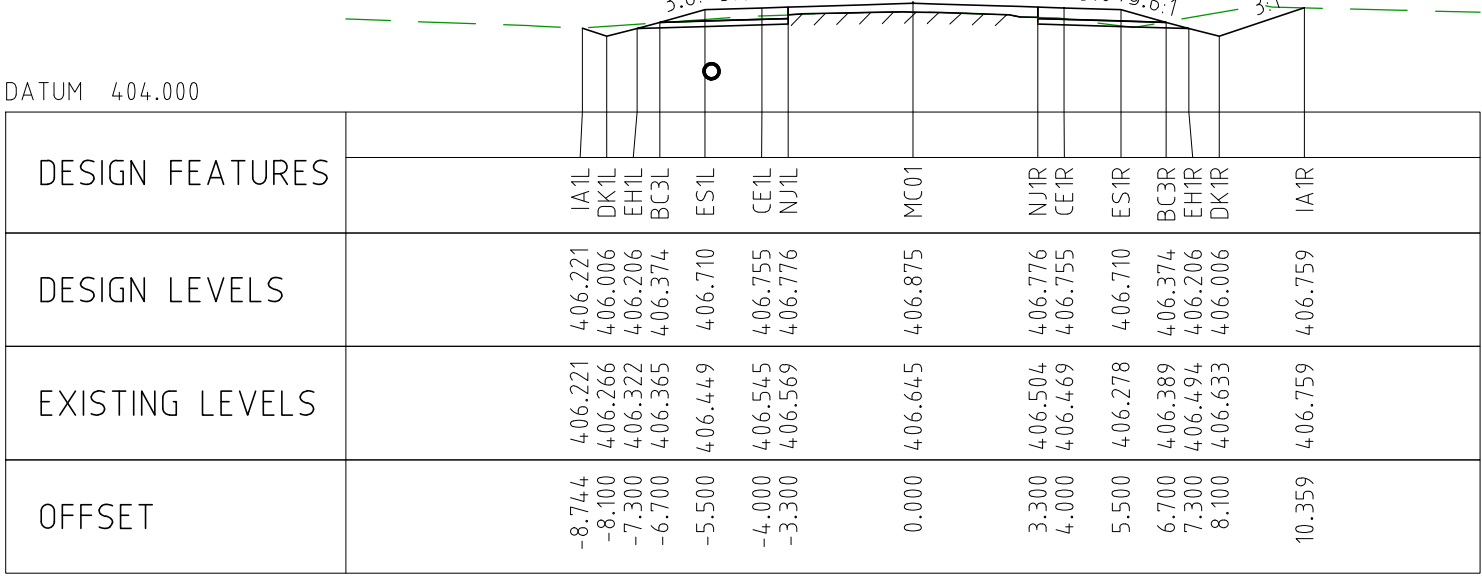
CHAINAGE 15100



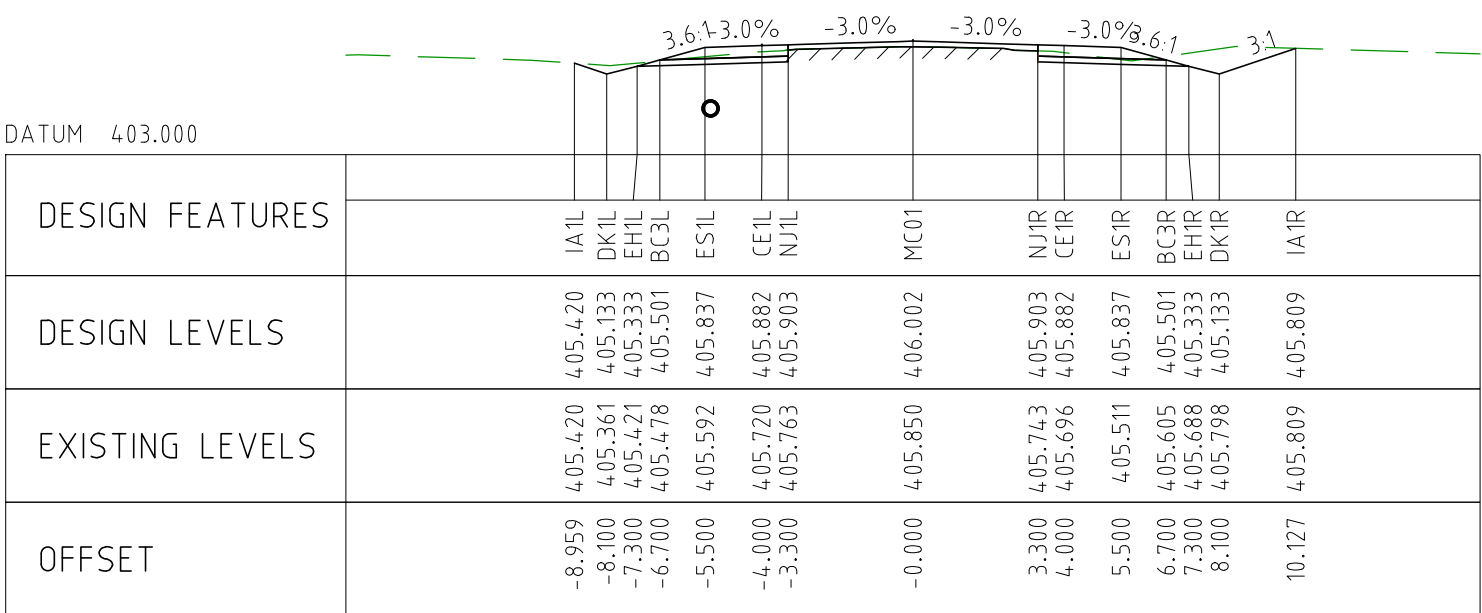
CHAINAGE 15050



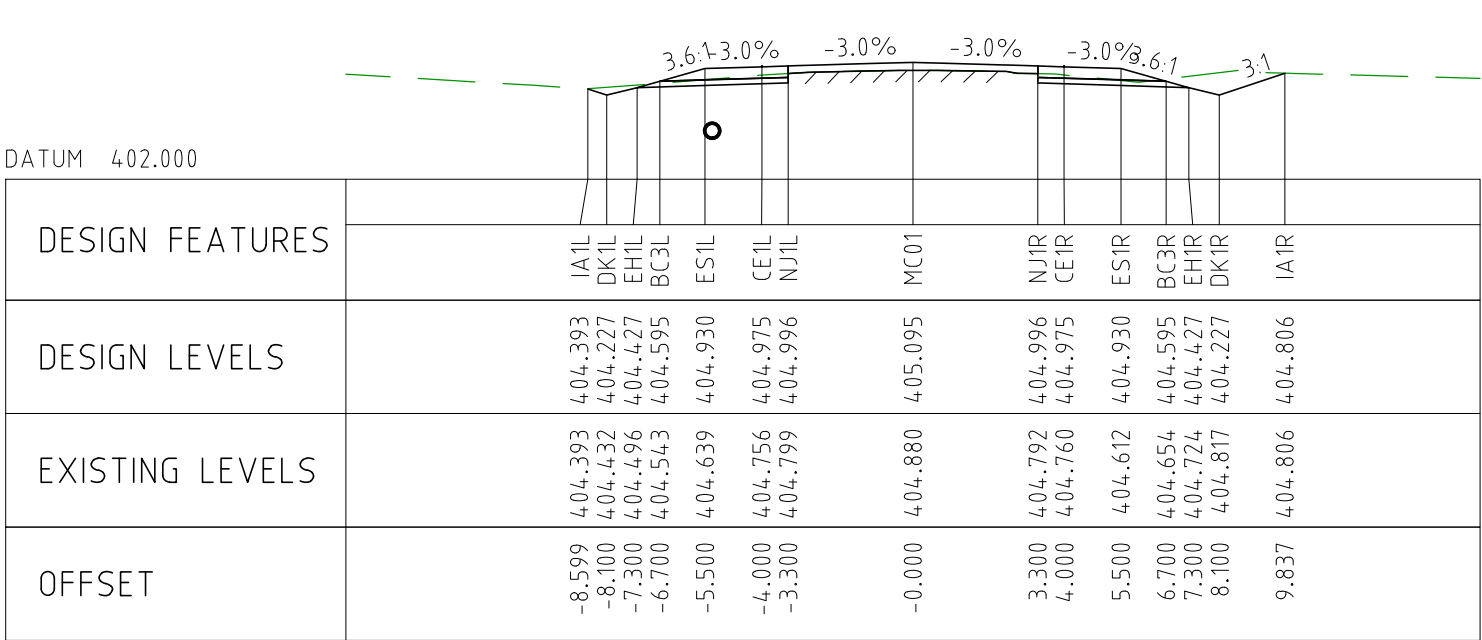
CHAINAGE 15000



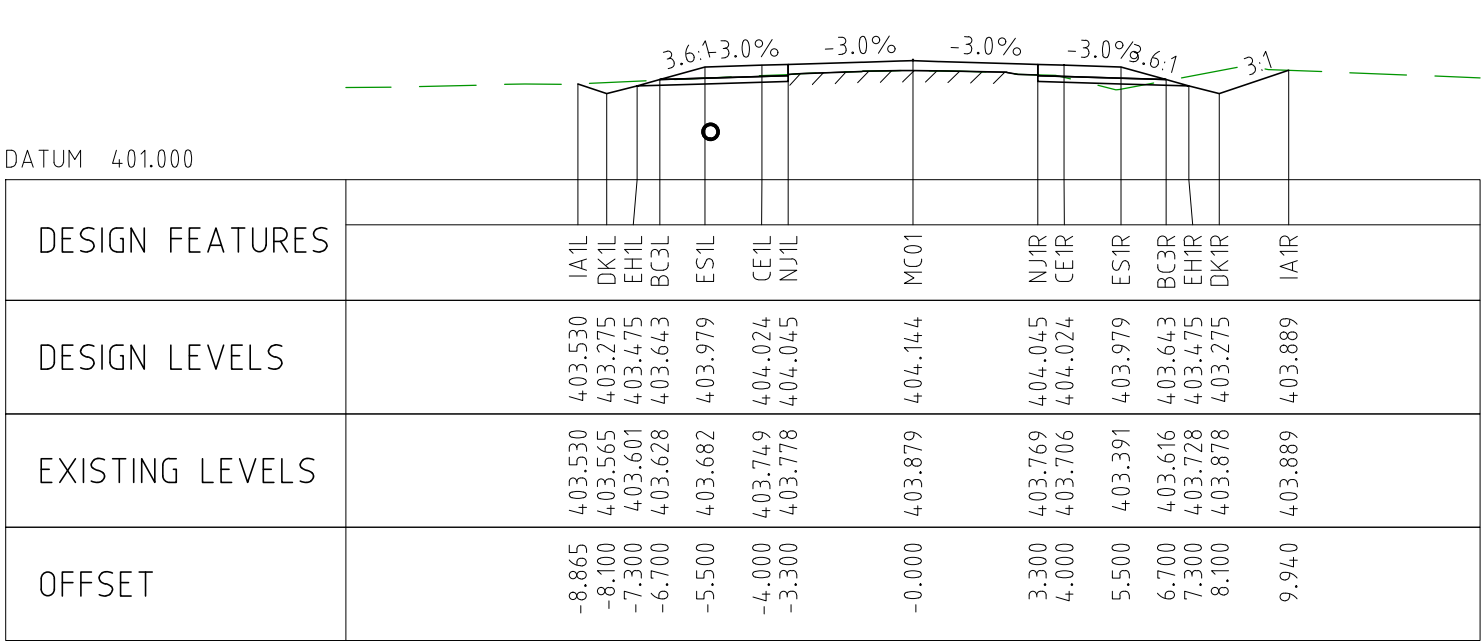
CHAINAGE 15450



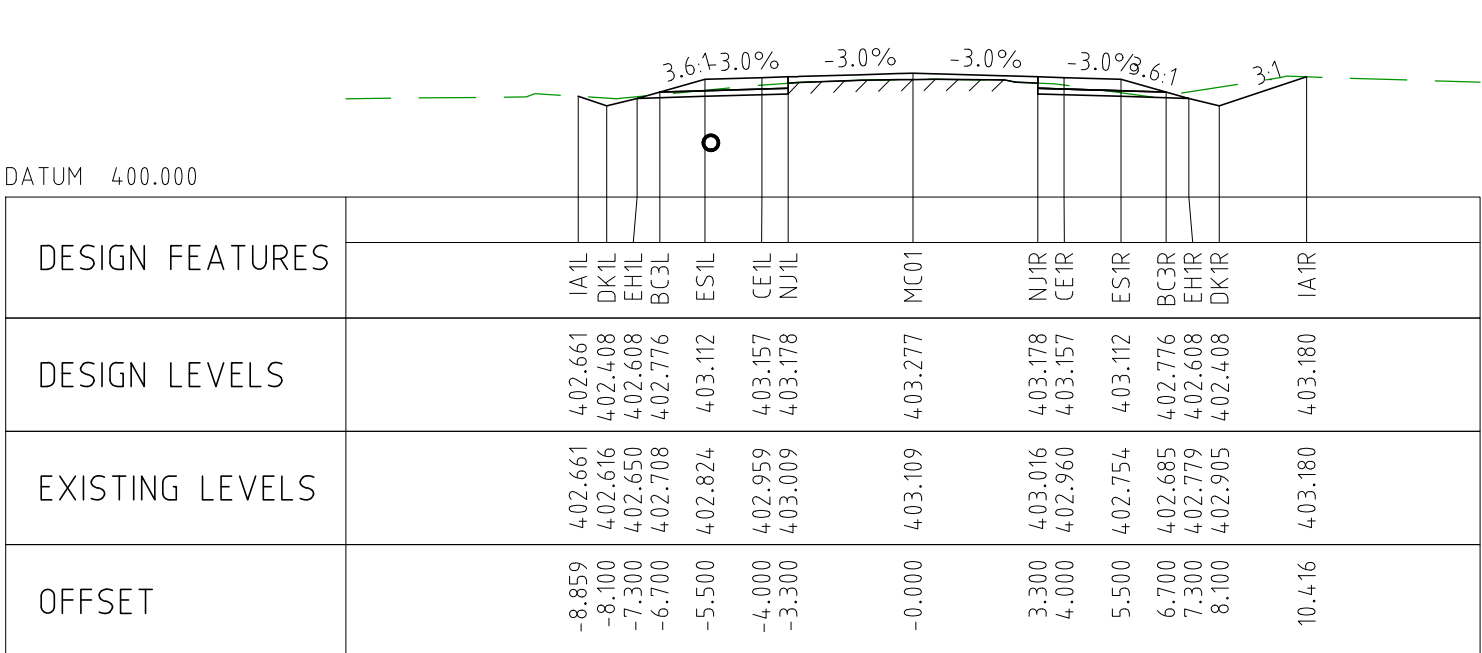
CHAINAGE 15400



CHAINAGE 15350



CHAINAGE 15300

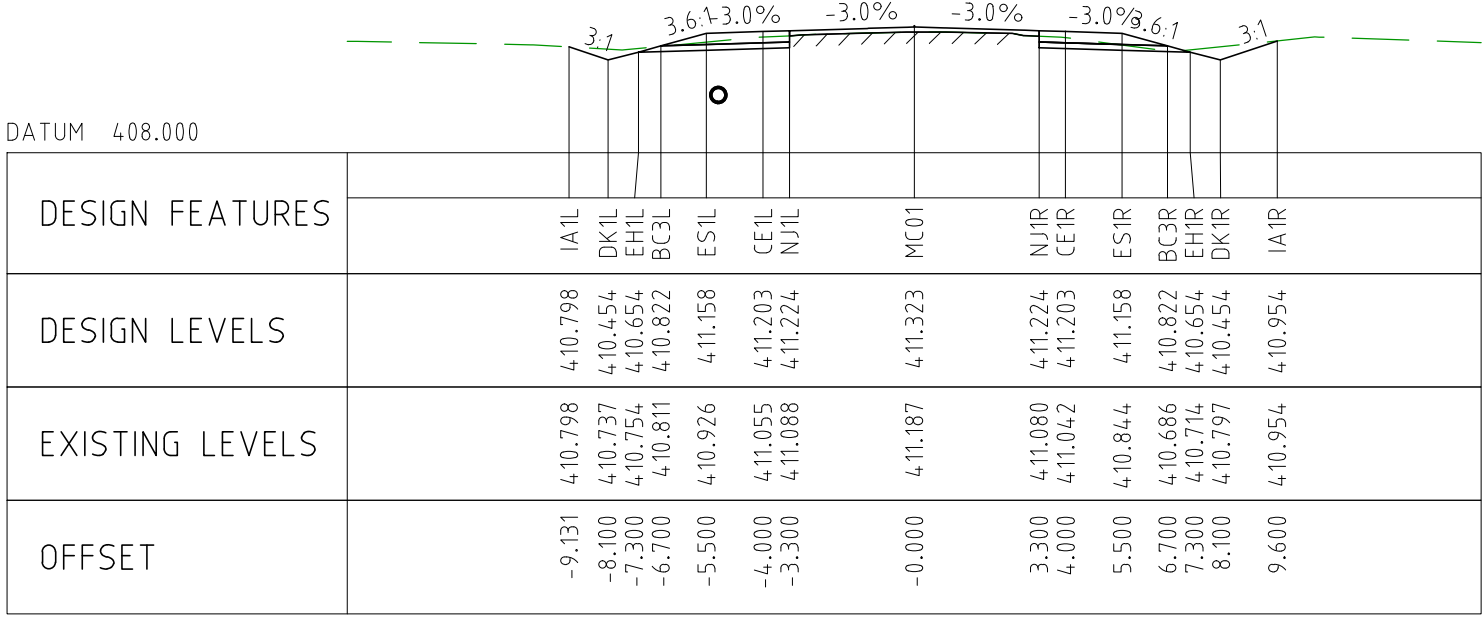


CHAINAGE 15250

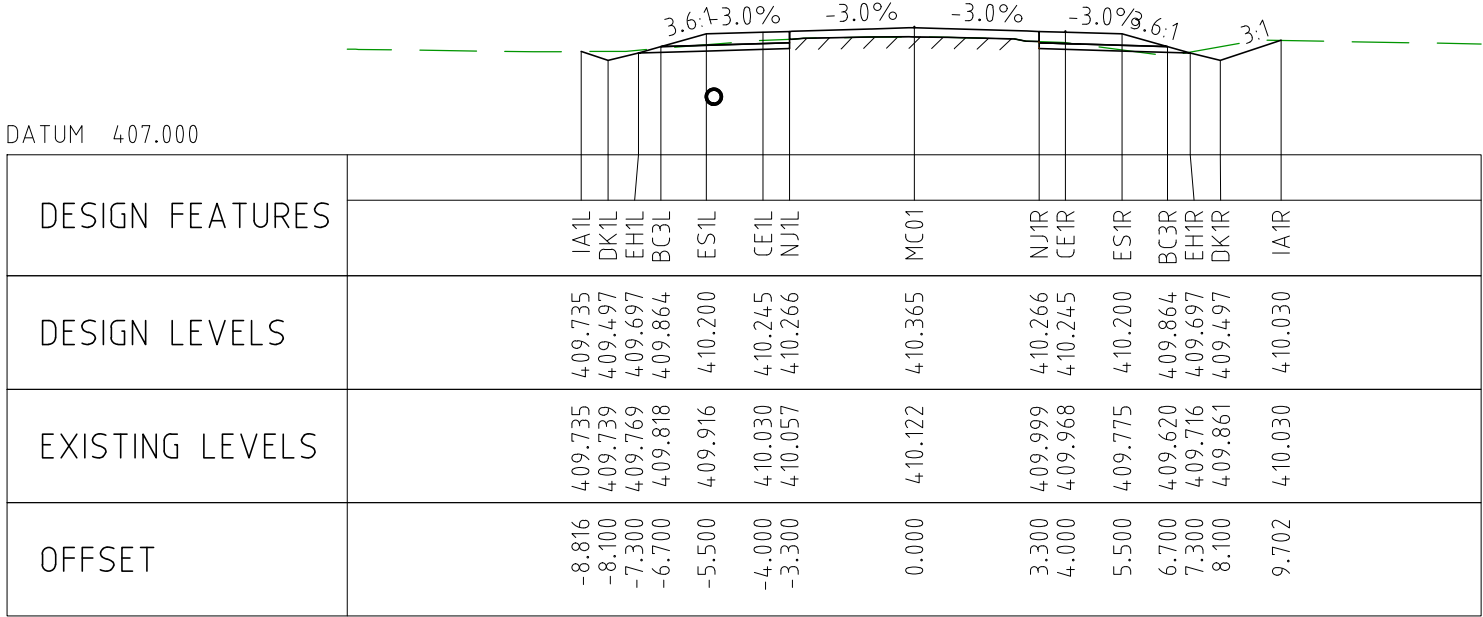
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

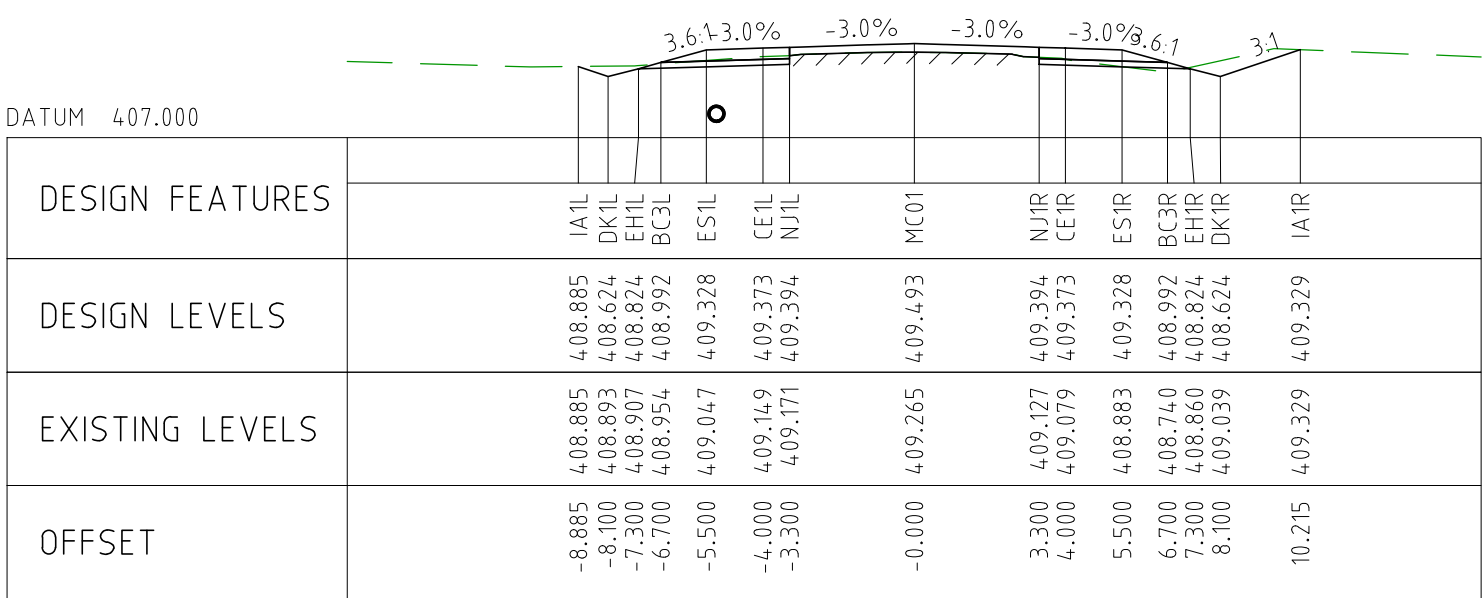
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS21.dwg				PLOT DATE 04 Nov 2022		TIME 12:16:28		CLIENT DOCUMENT No COV-M040-CI-DWG-0133			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE



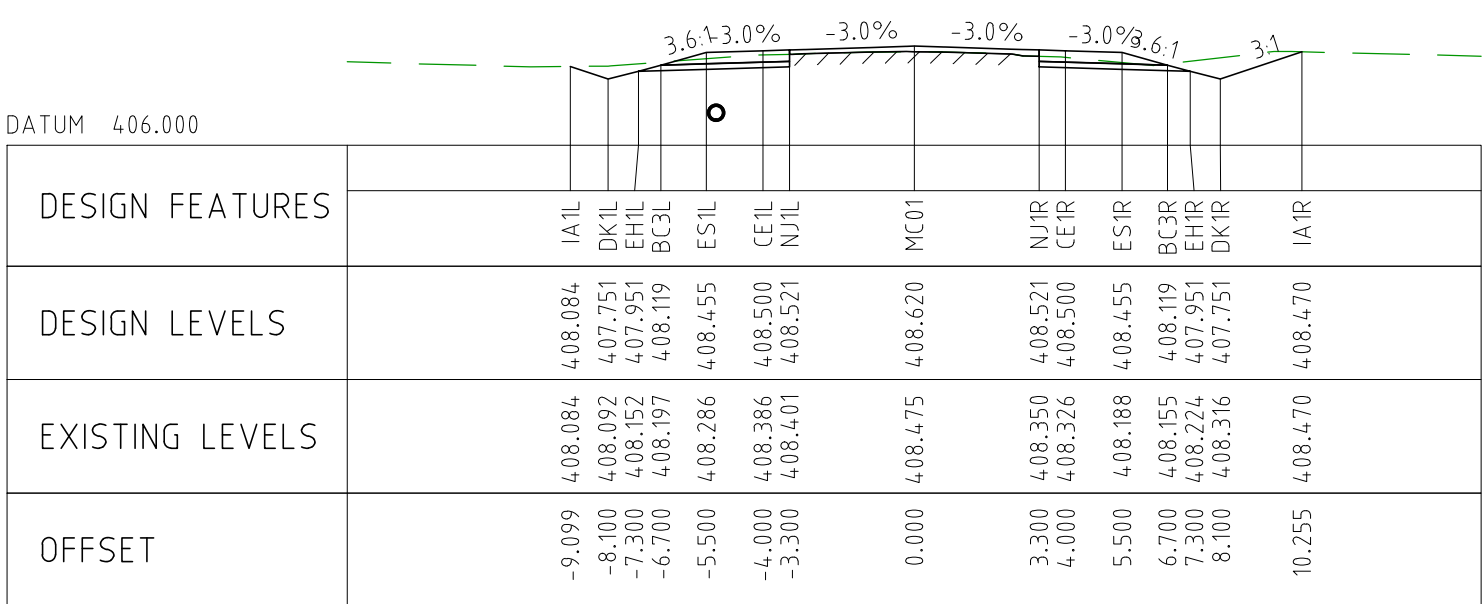
CHAINAGE 15700



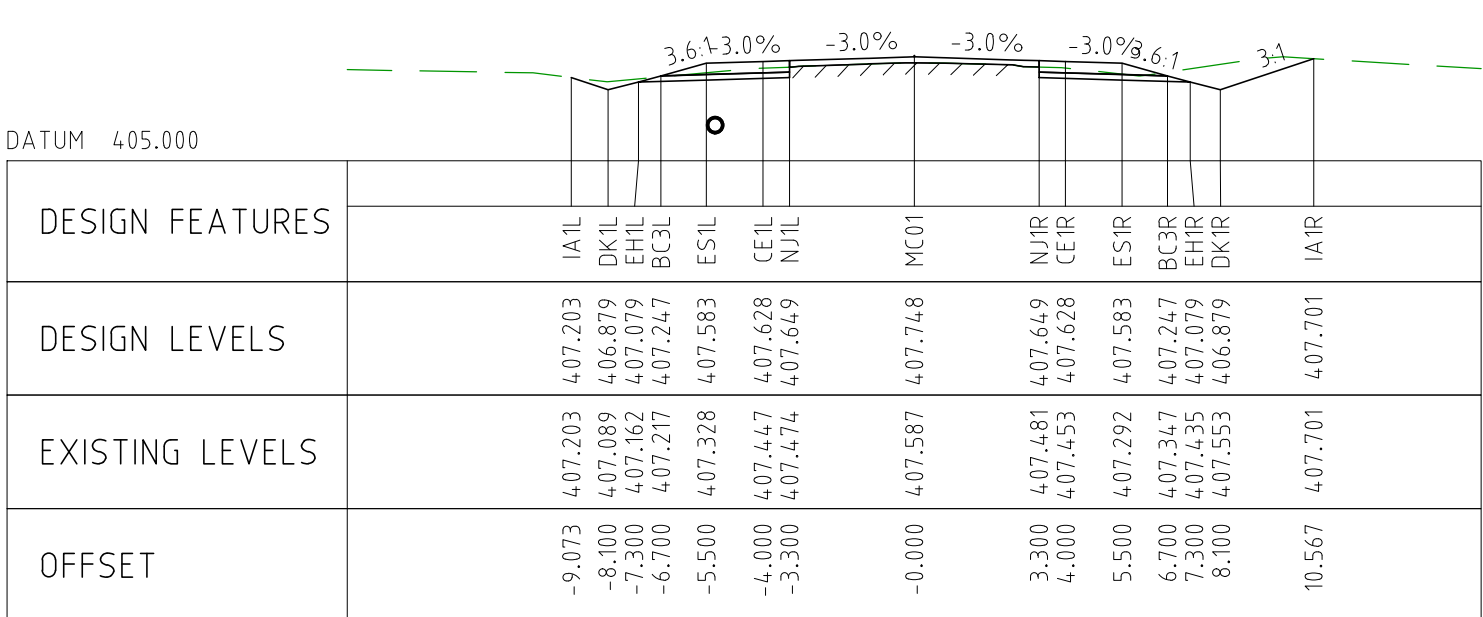
CHAINAGE 15650



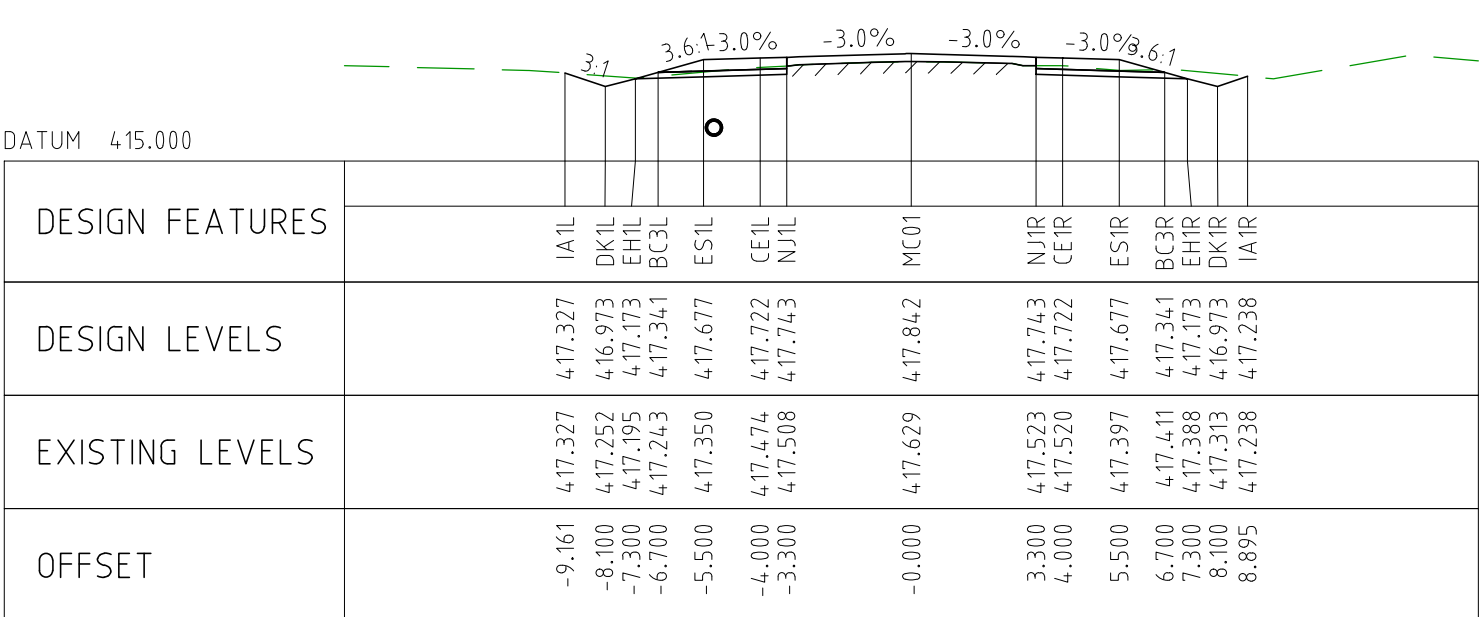
CHAINAGE 15600



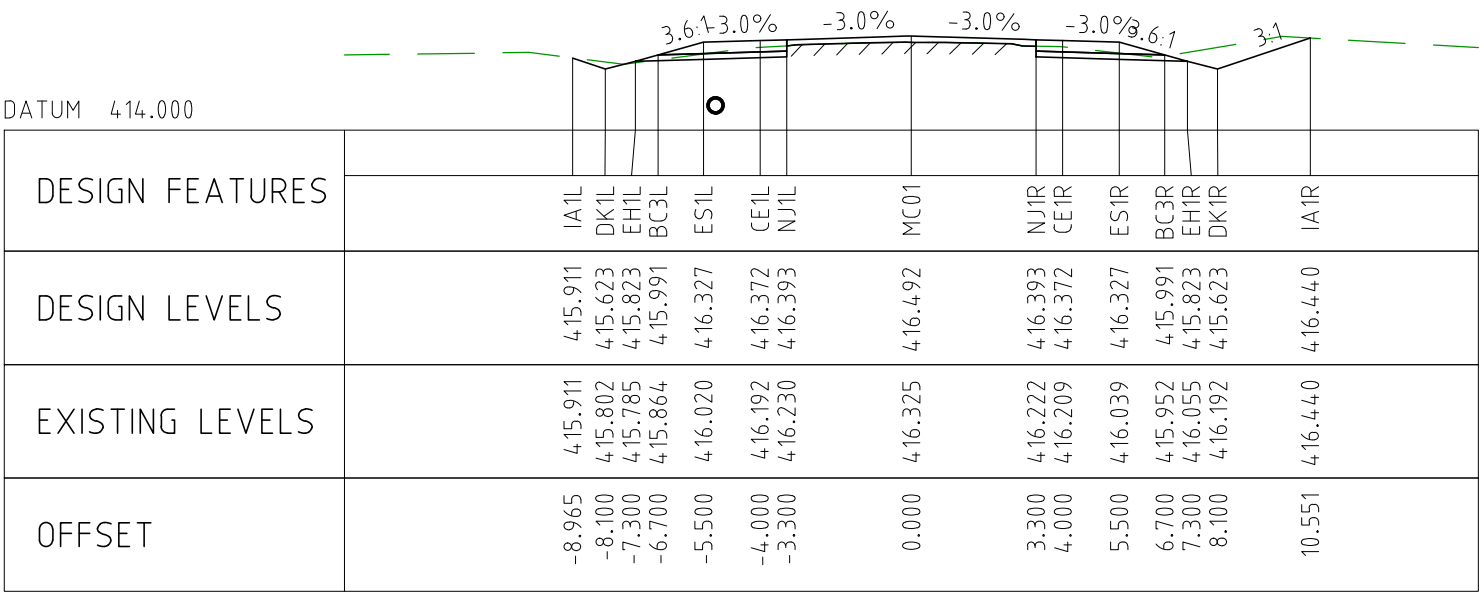
CHAINAGE 15550



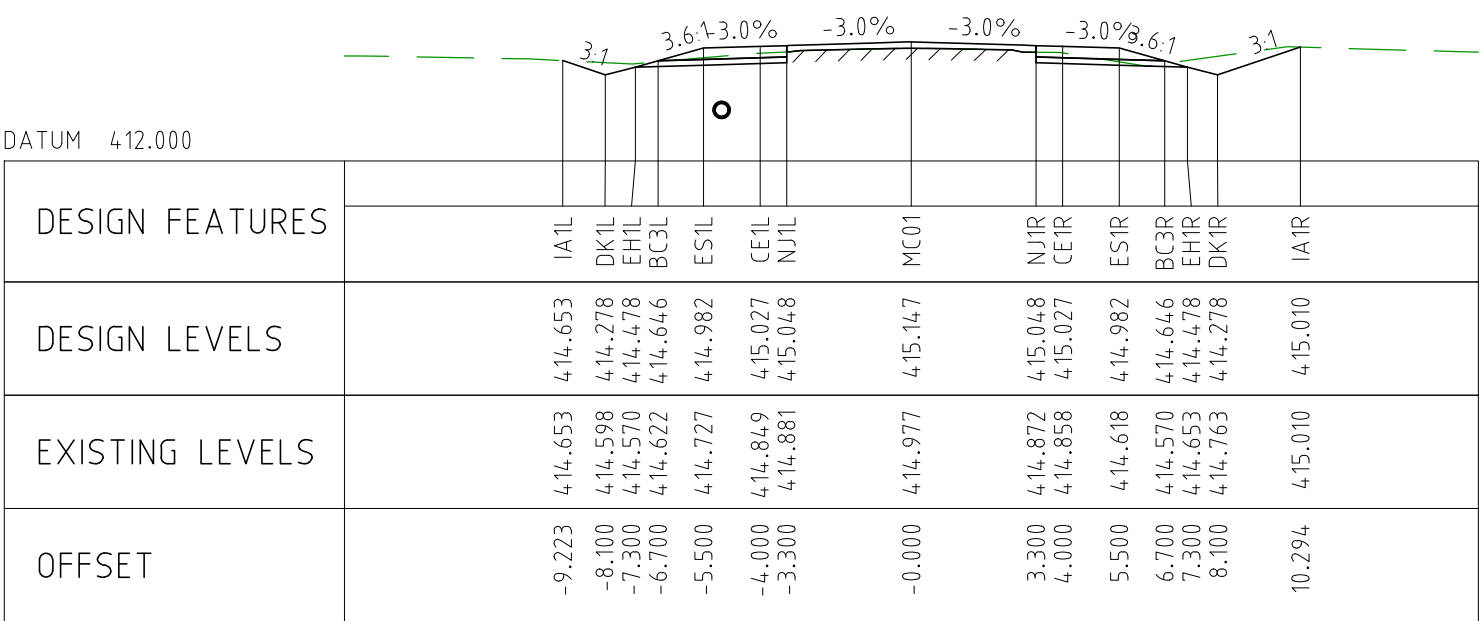
CHAINAGE 15500



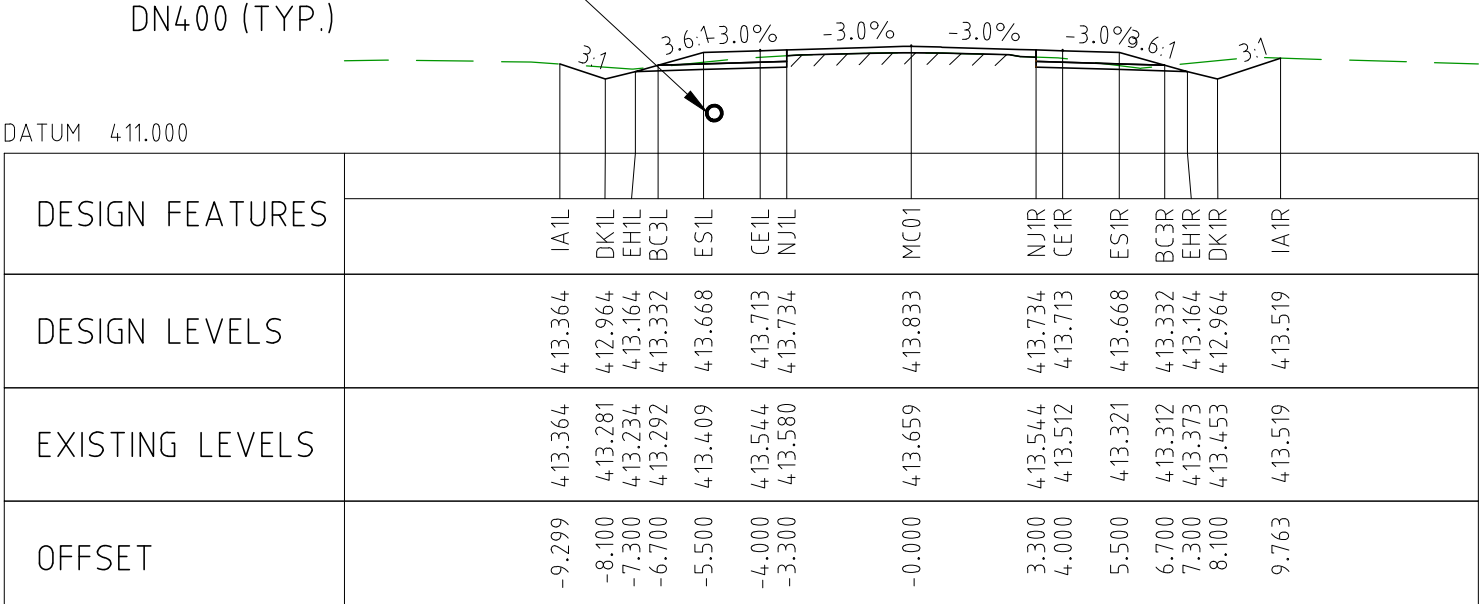
CHAINAGE 15950



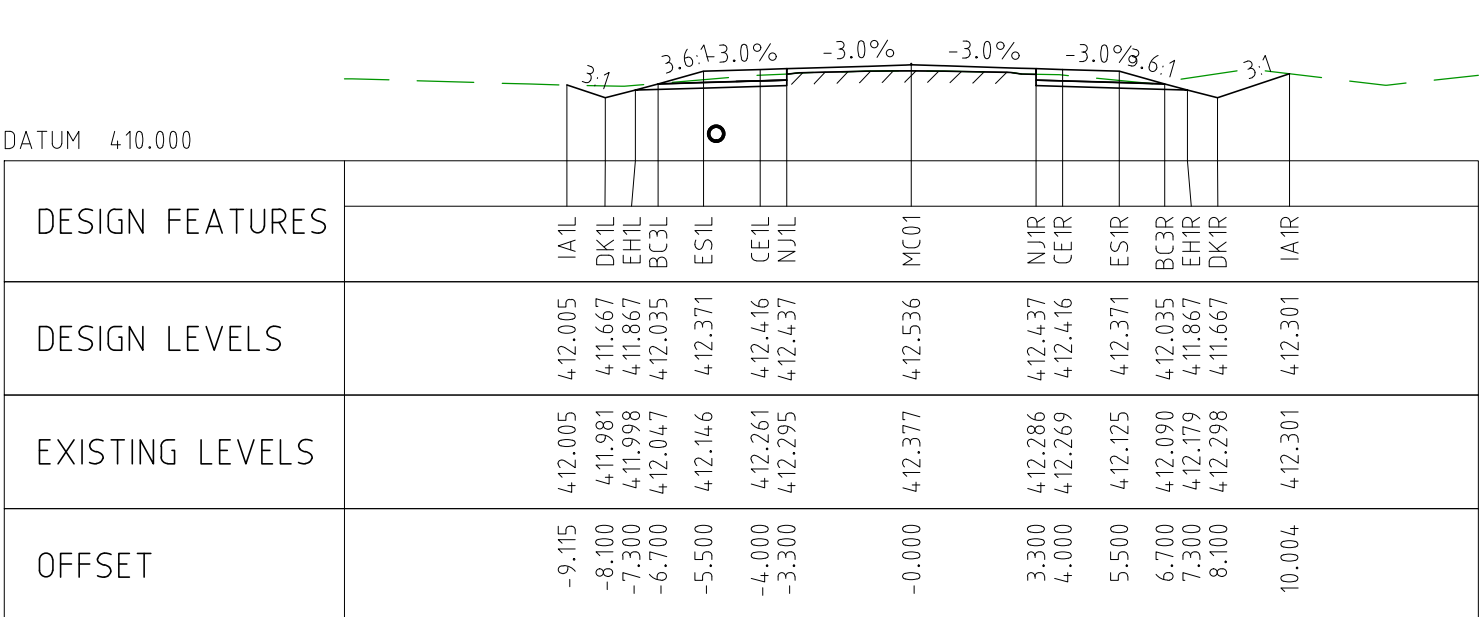
CHAINAGE 15900



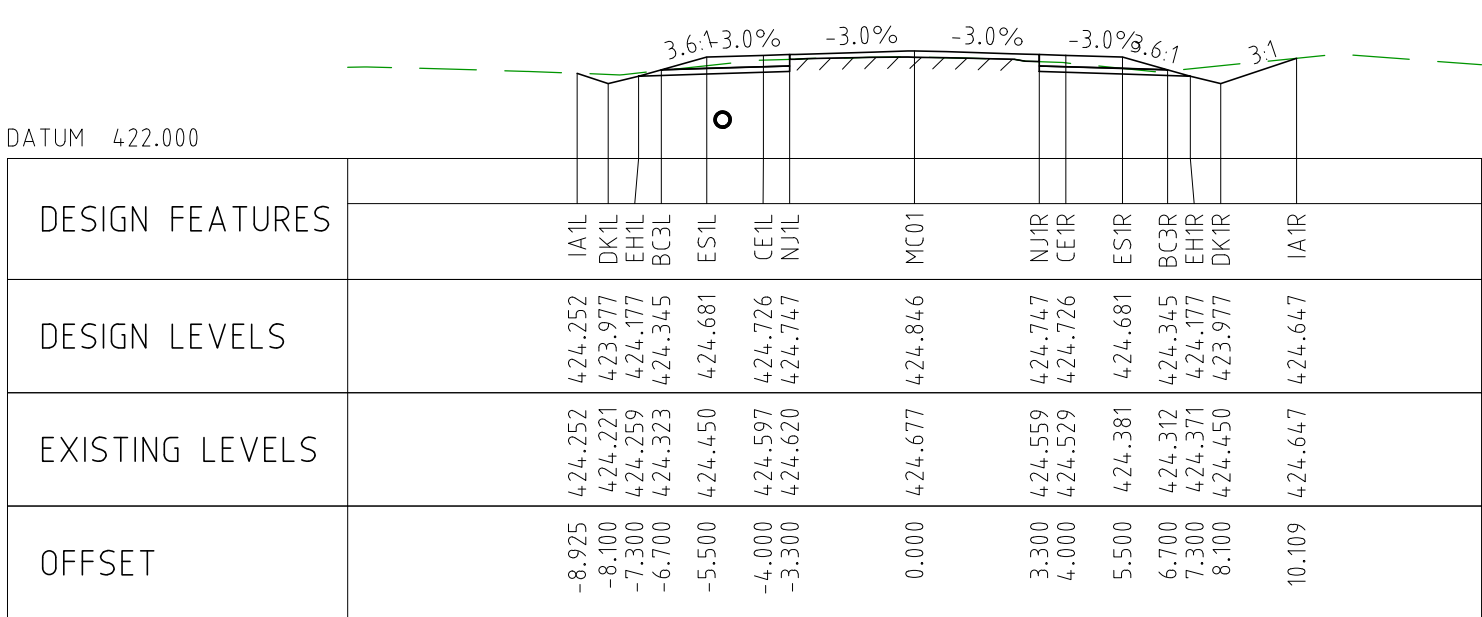
CHAINAGE 15850



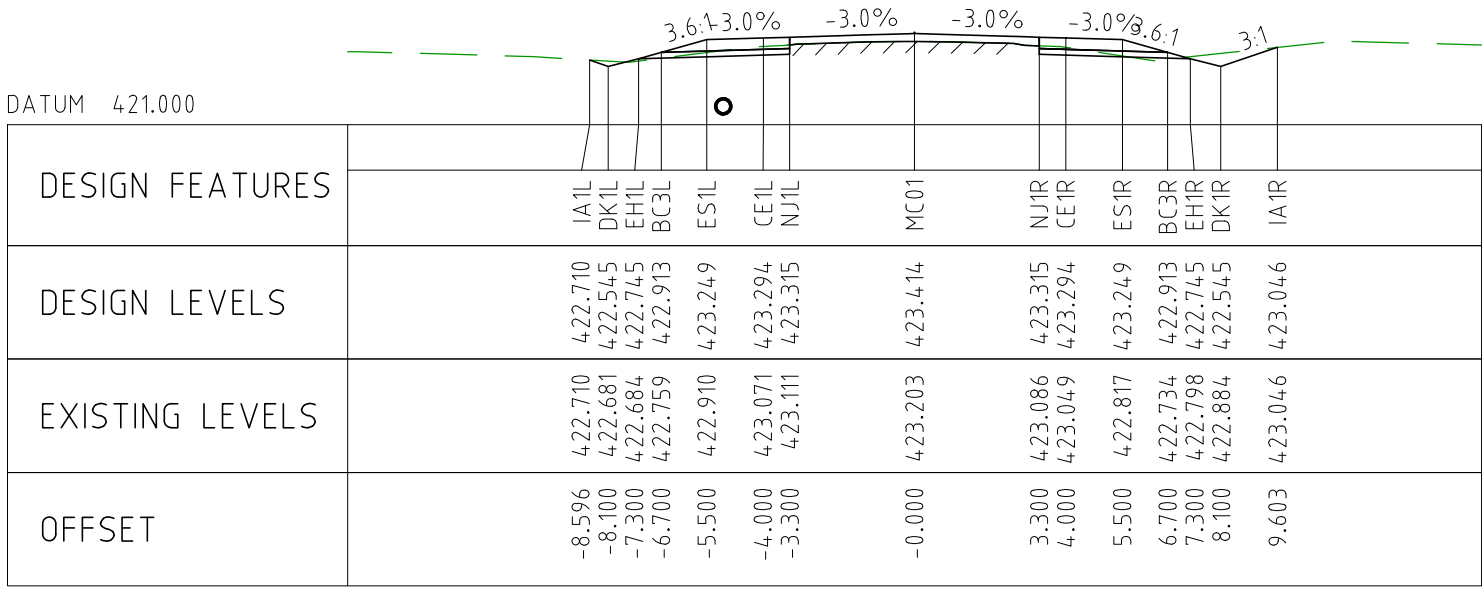
CHAINAGE 15800



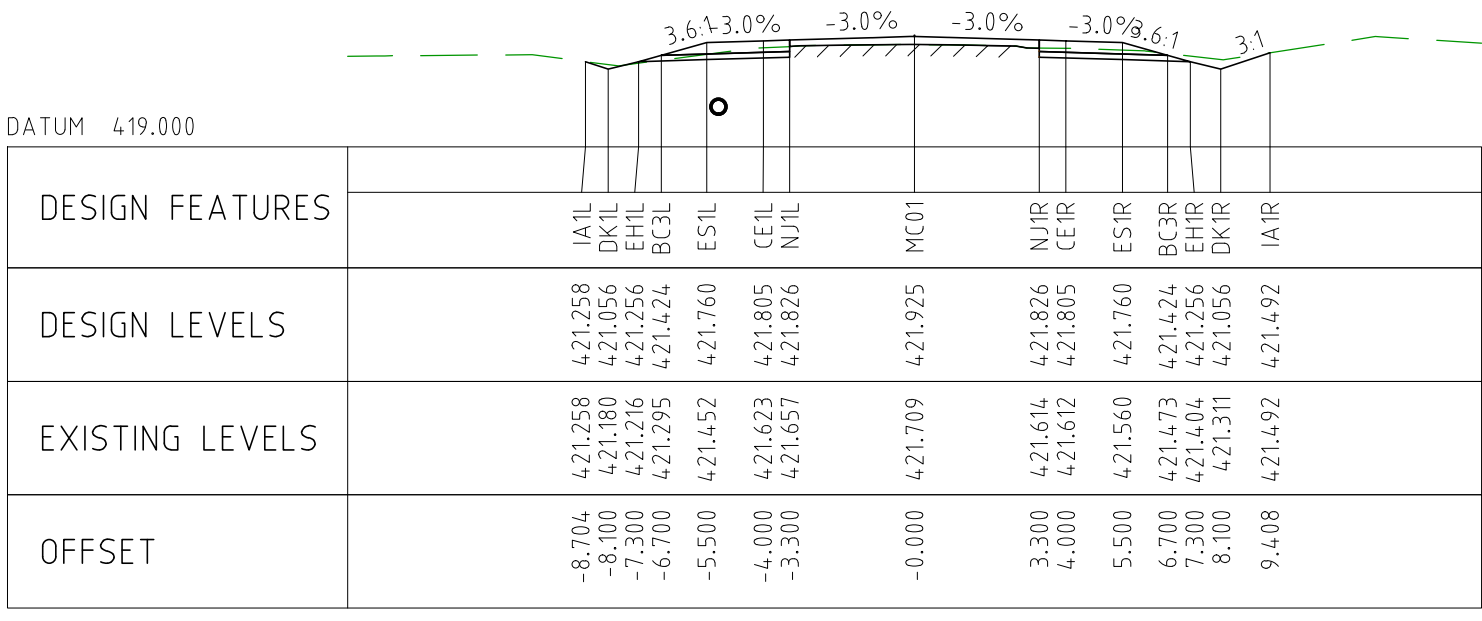
CHAINAGE 15750



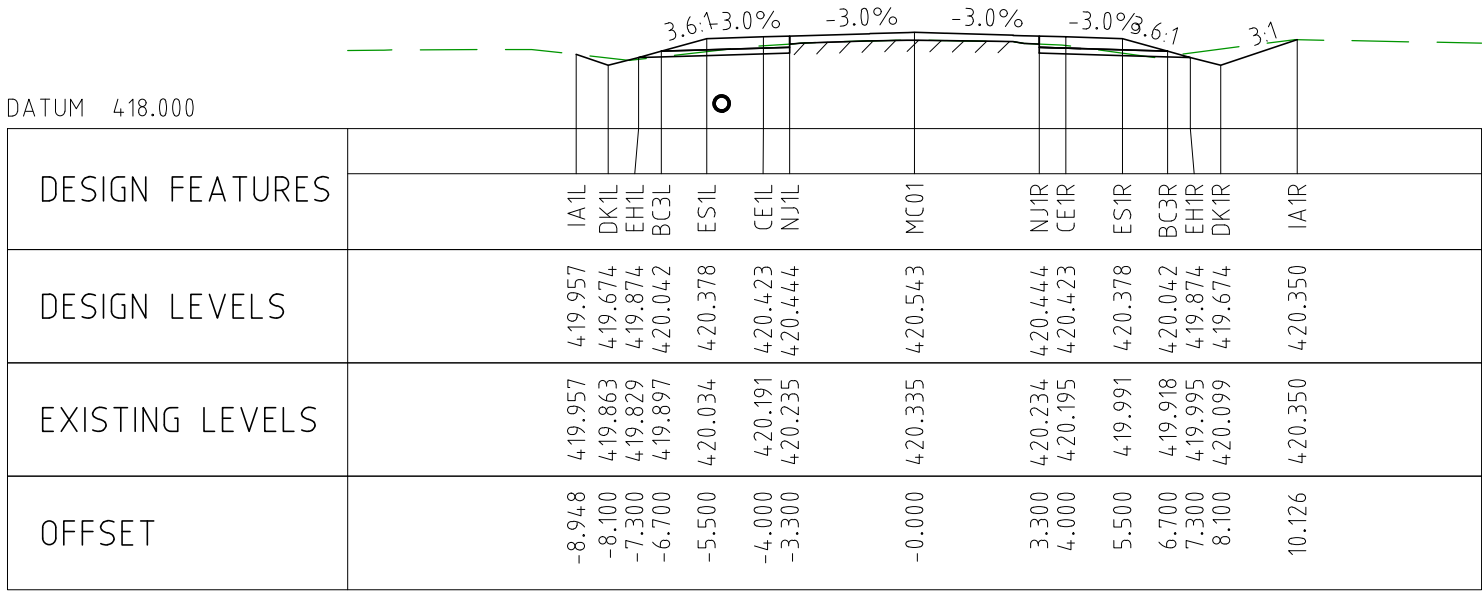
CHAINAGE 16200



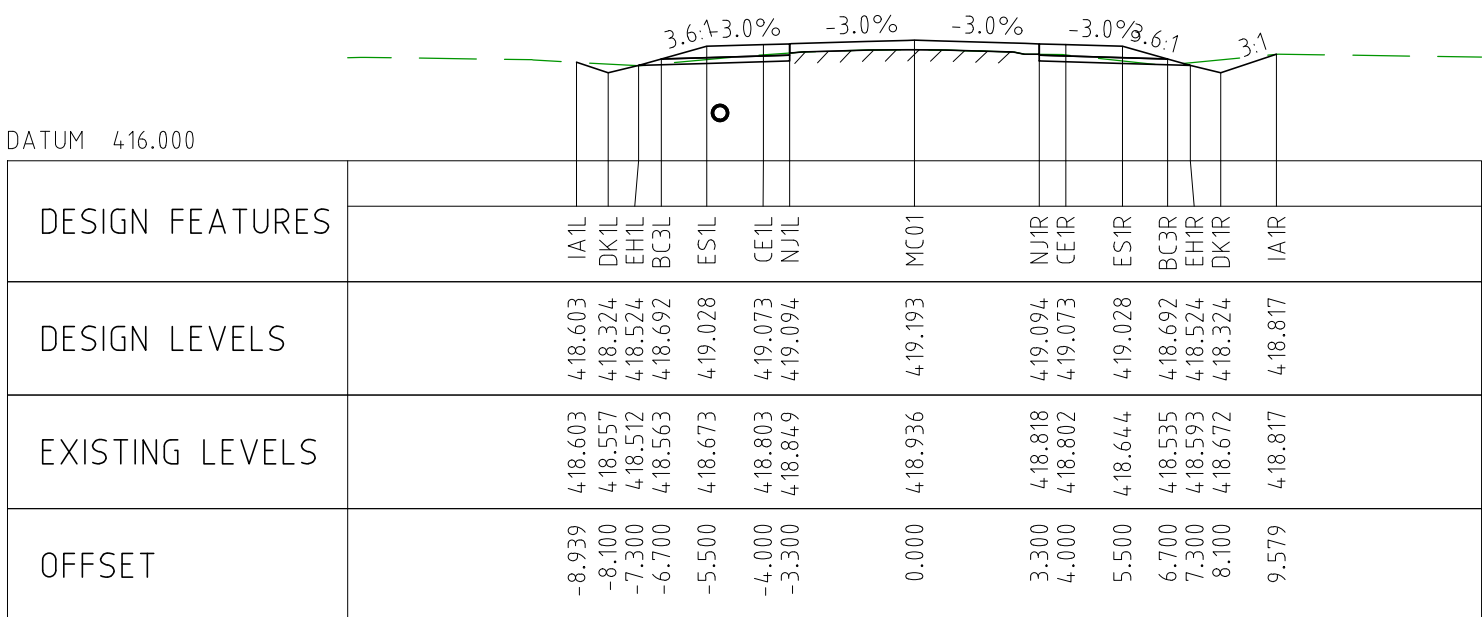
CHAINAGE 16150



CHAINAGE 16100




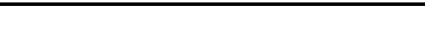

CHAINAGE 16050

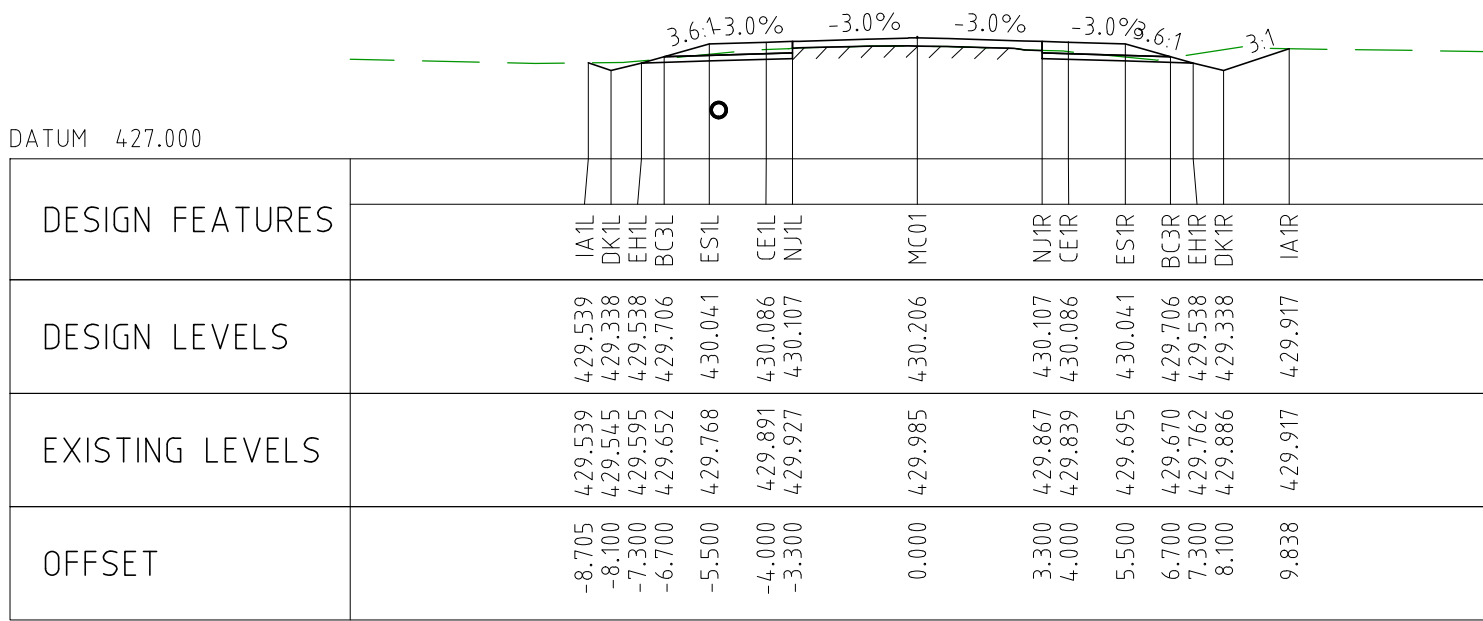


CHAINAGE 16000

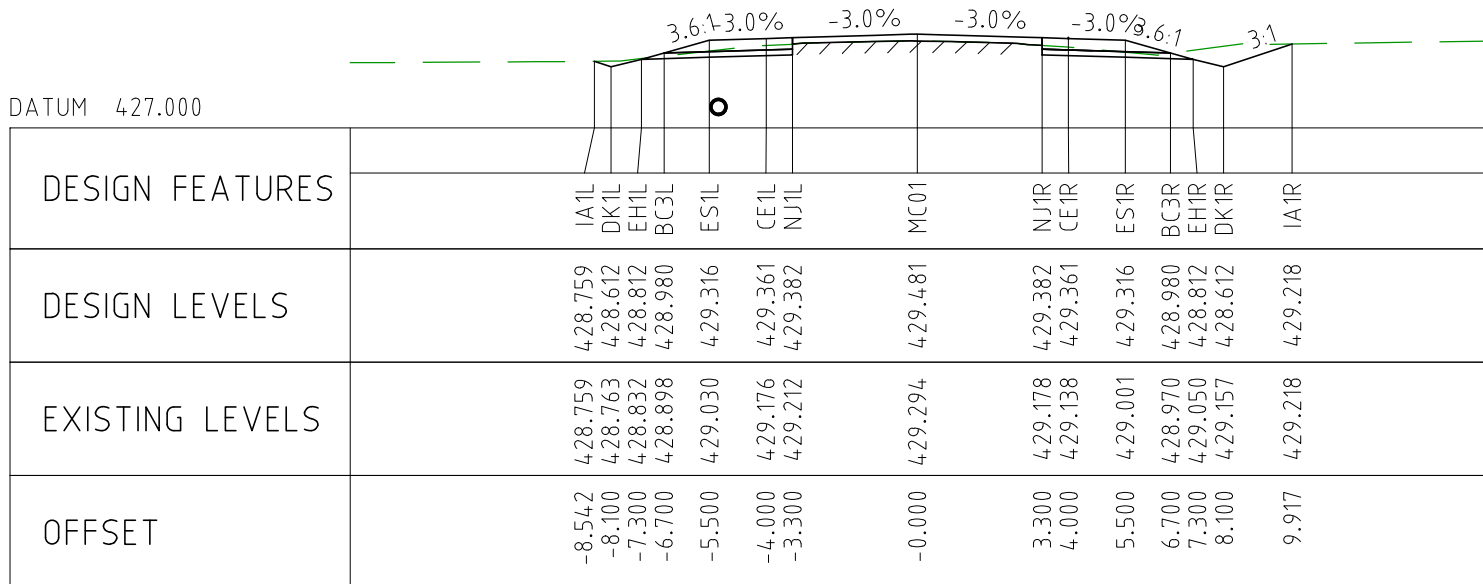
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

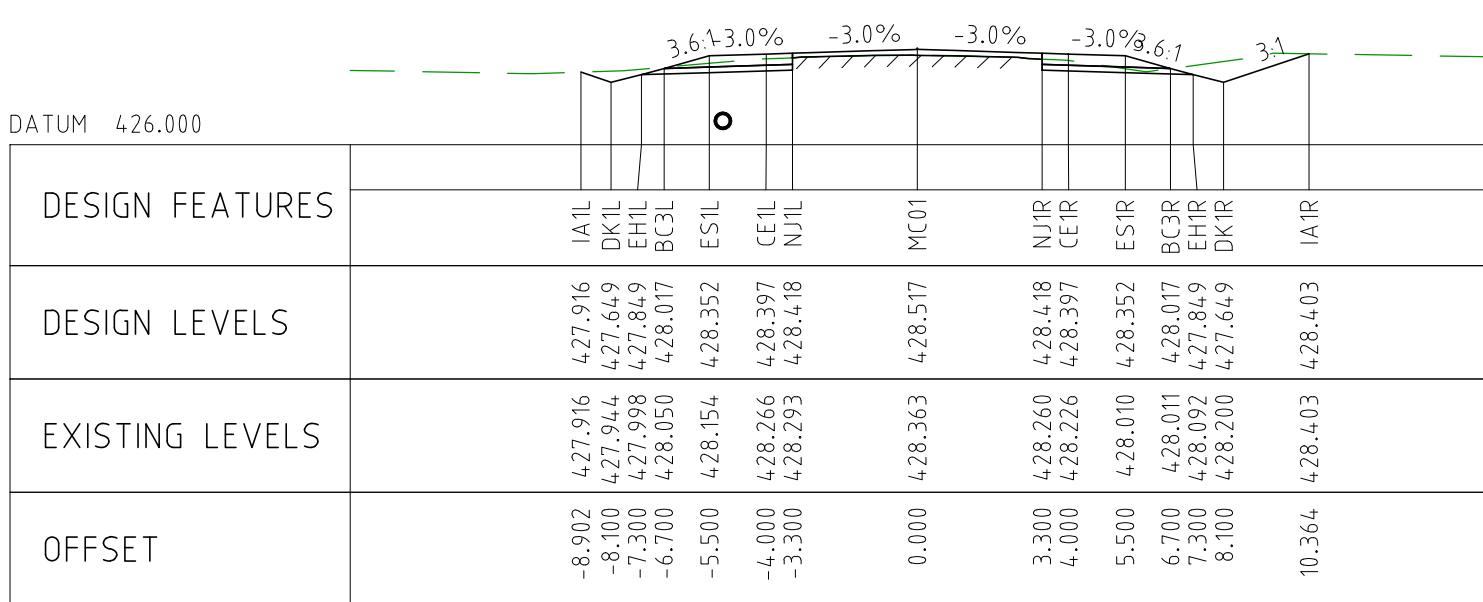
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS22.dwg					PLOT DATE 04 Nov 2022		TIME 12:17:04		CLIENT DOCUMENT No COV-M040-CI-DWG-0134												
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM	TITLE DRAFTER JW DRAFTING CHECK TM DESIGNER TM DESIGN CHECK TM PROJECT MANAGER DM PROJECT DIRECTOR RI		SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 22 OF 41		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS22	REVISION 0



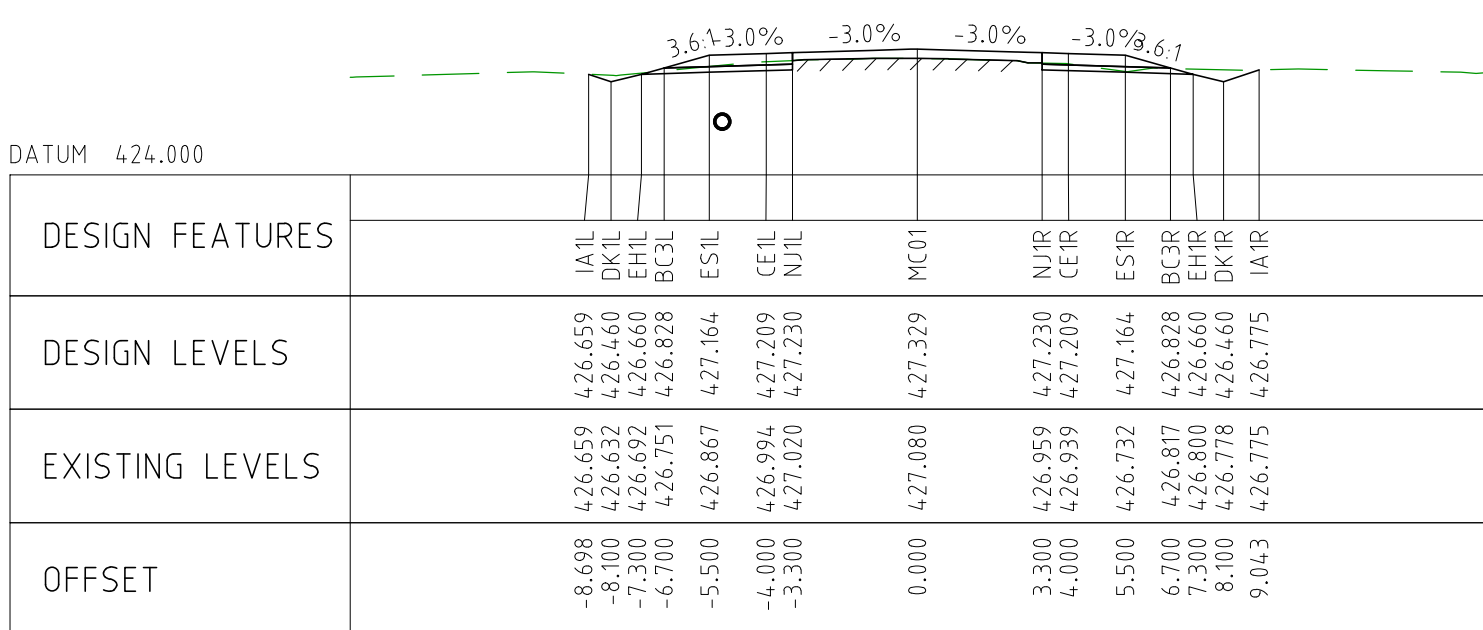
CHAINAGE 16450



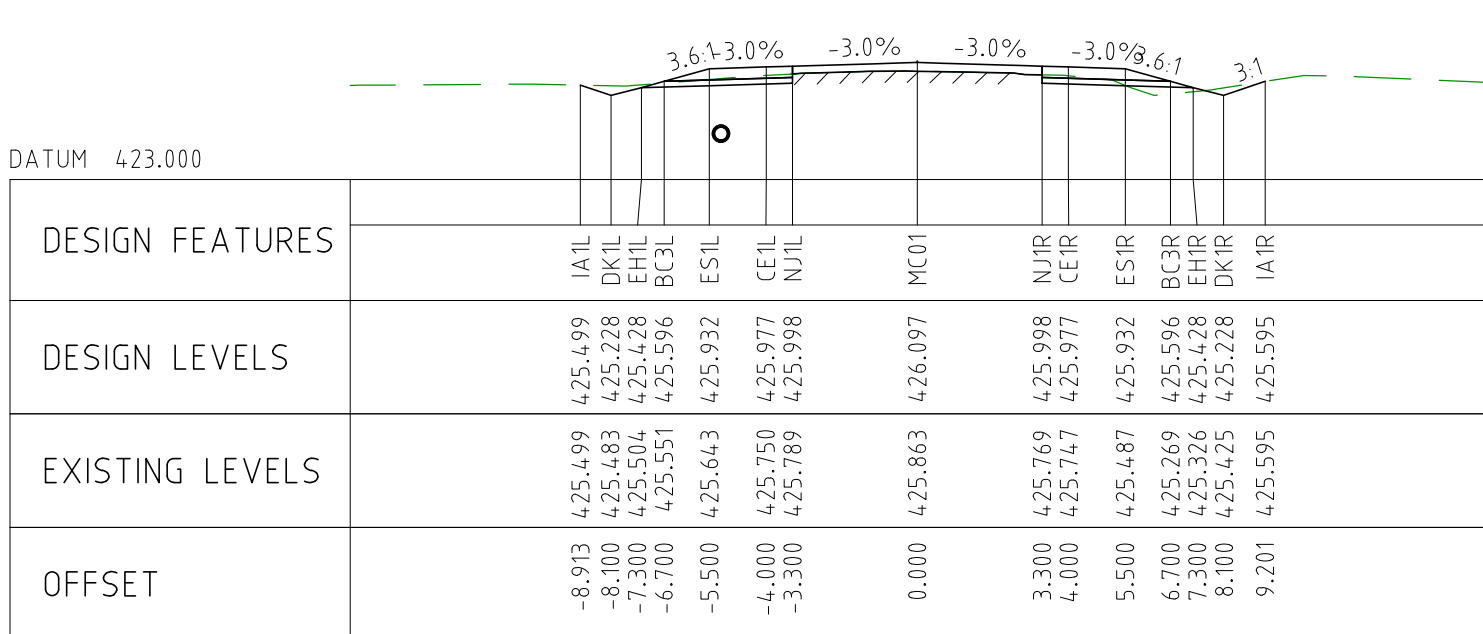
CHAINAGE 16400



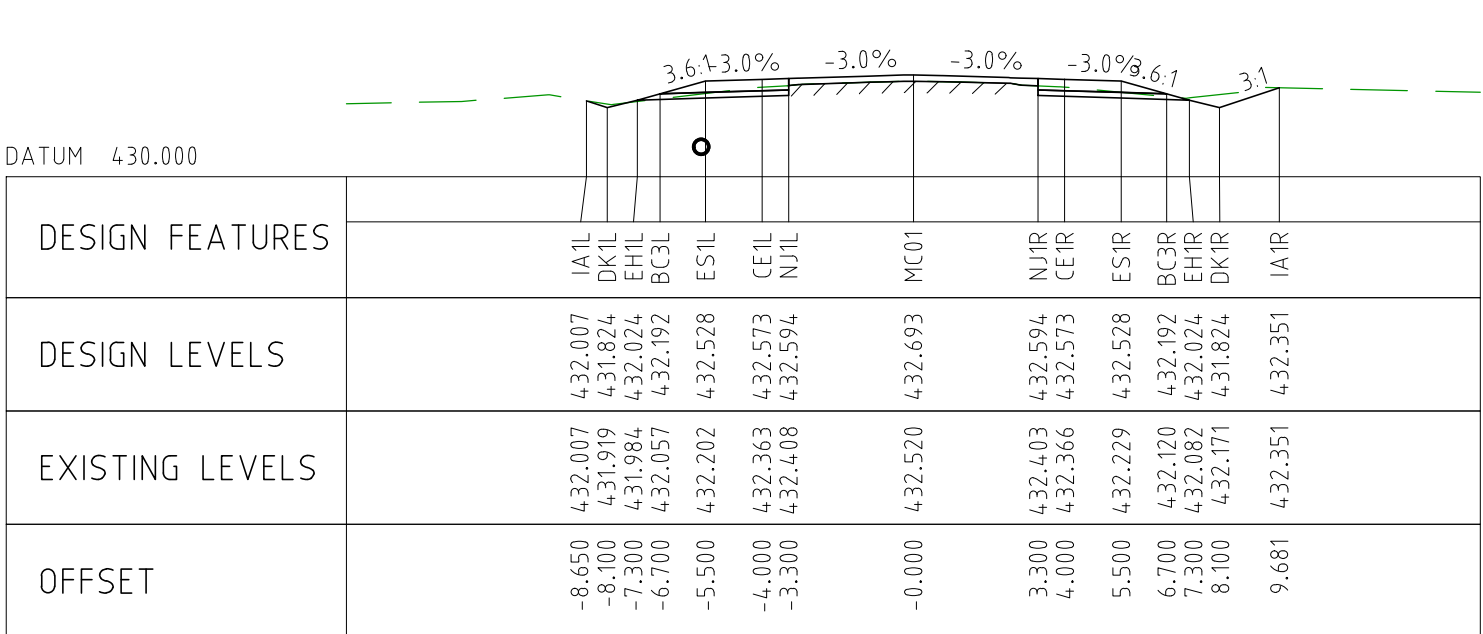
CHAINAGE 16350



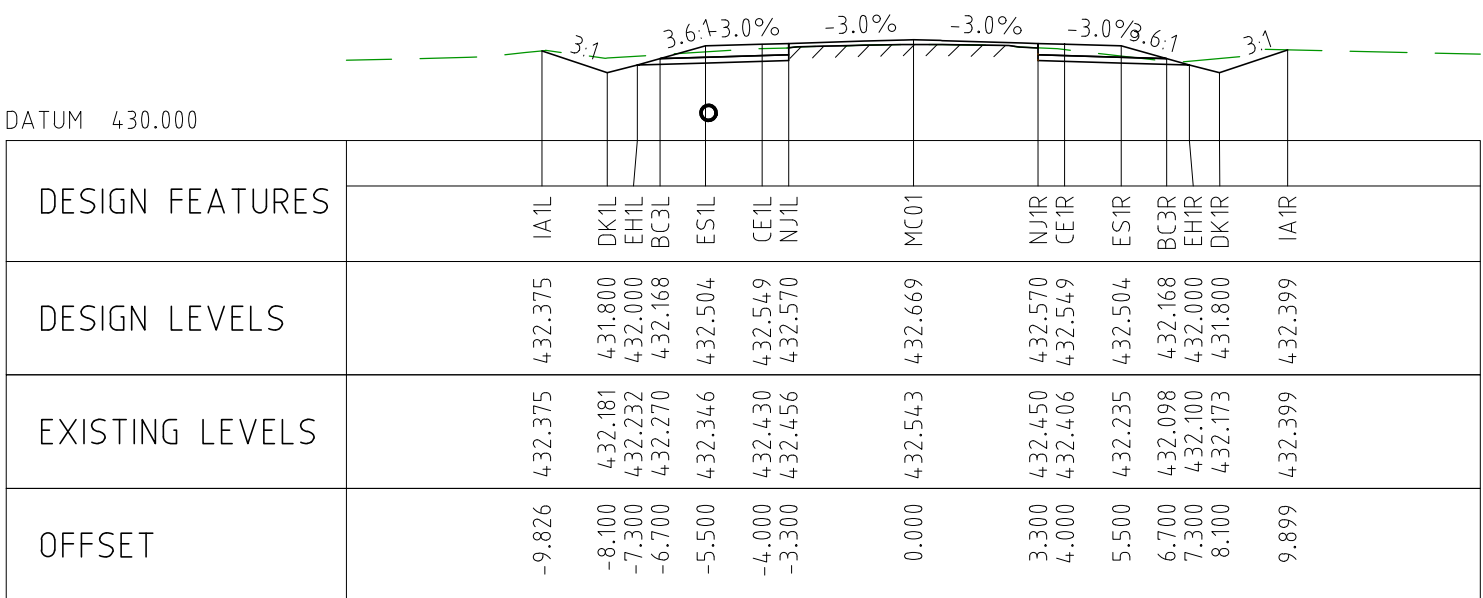
CHAINAGE 16300



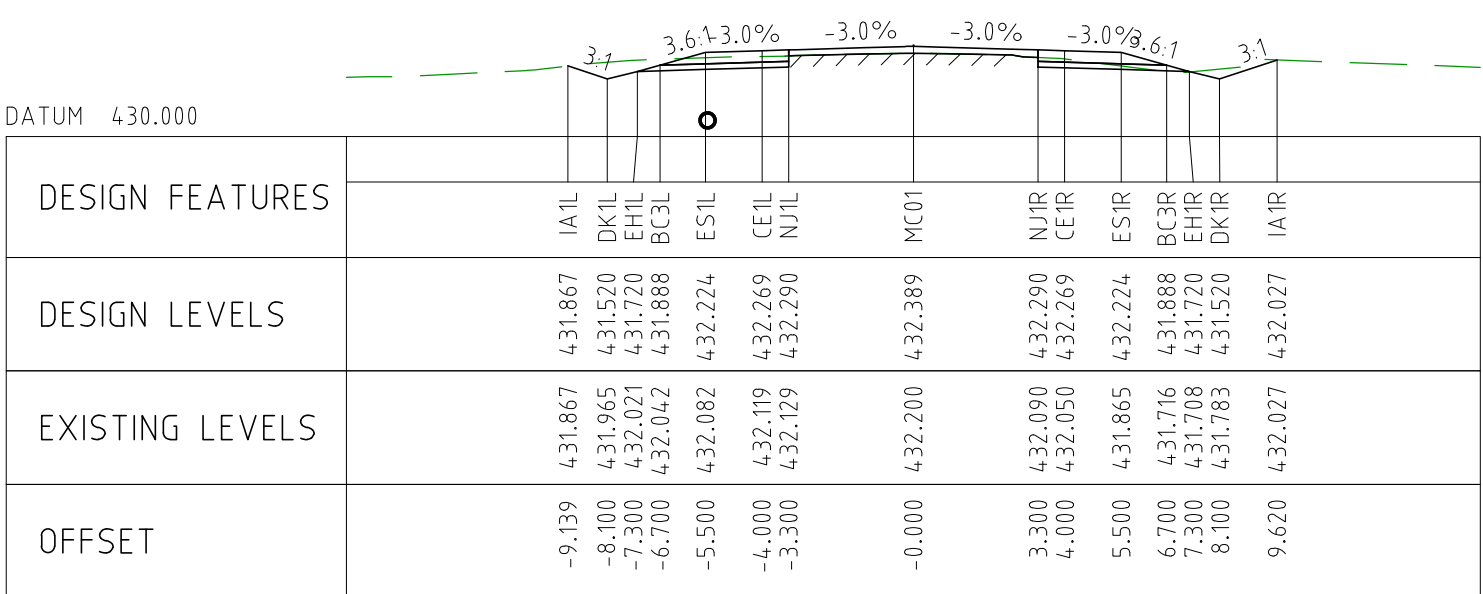
CHAINAGE 16250



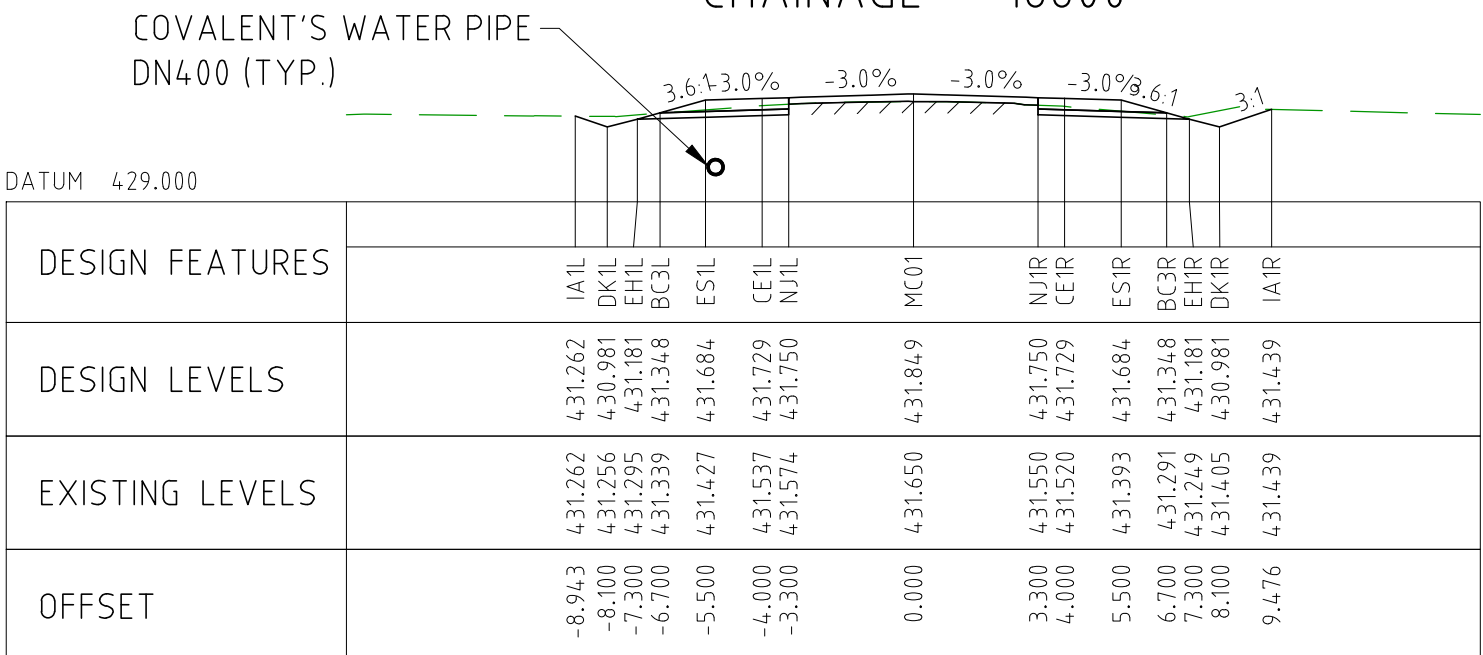
CHAINAGE 16700



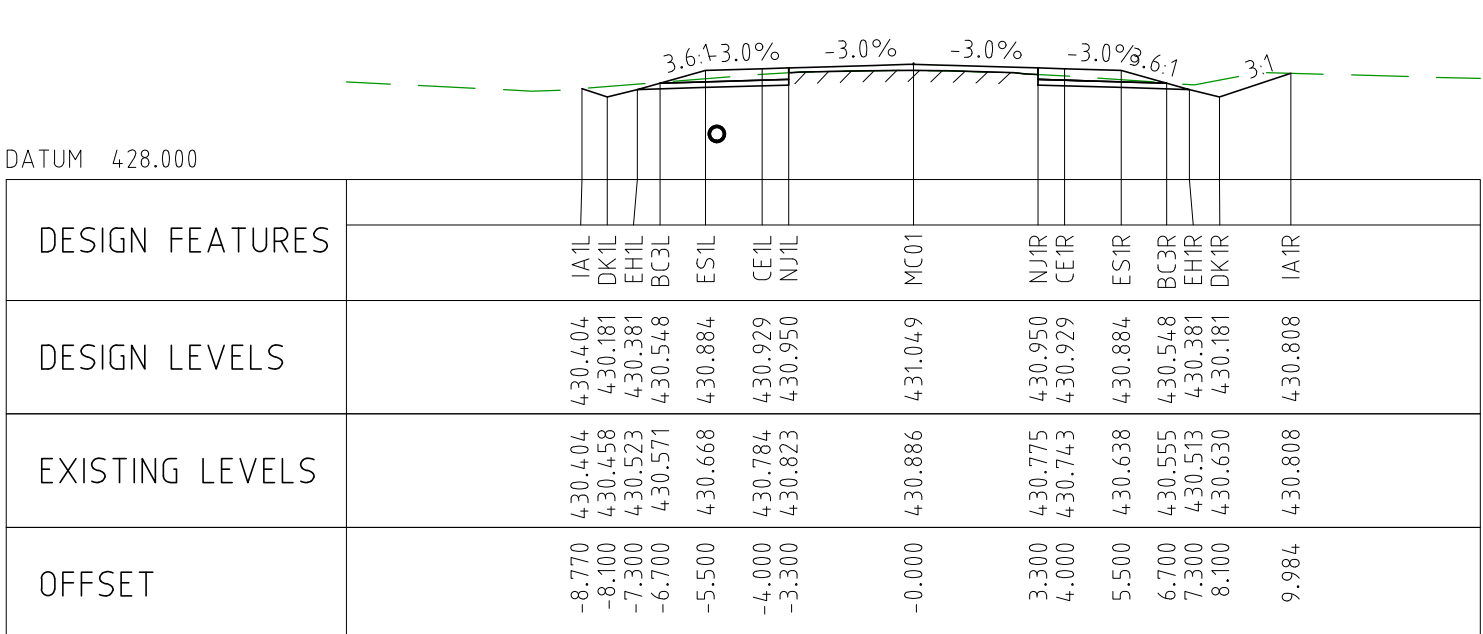
CHAINAGE 16650



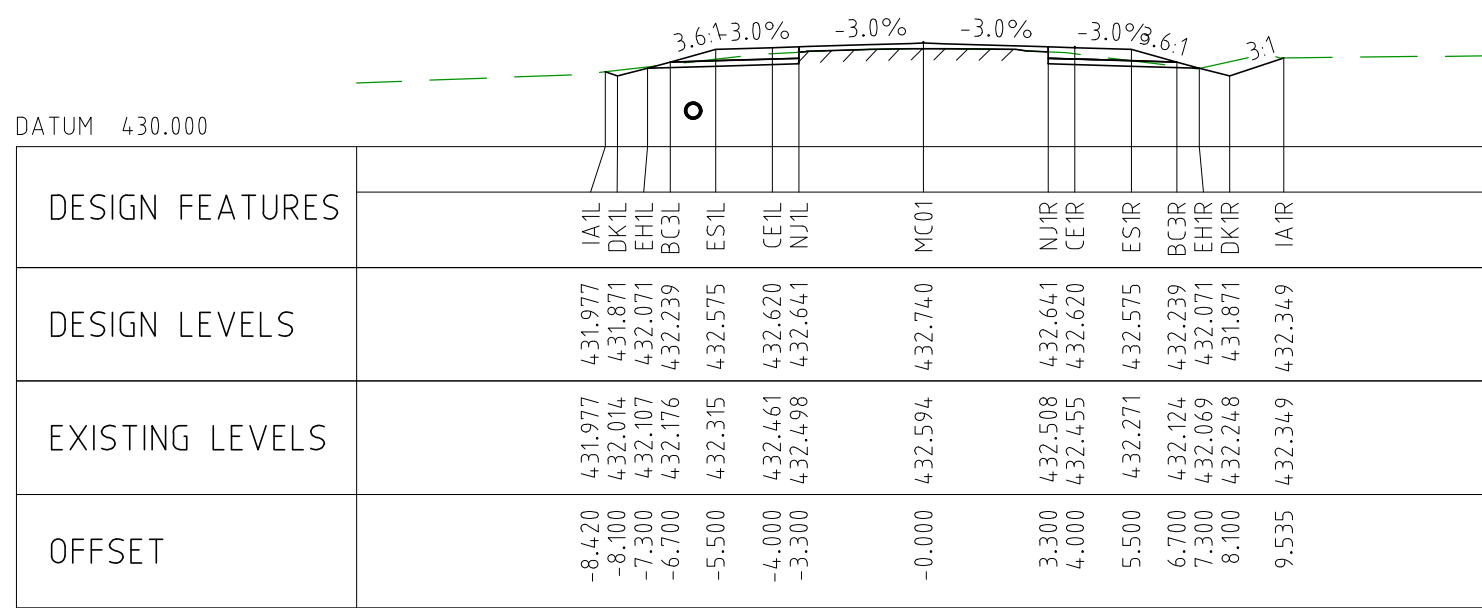
CHAINAGE 16600



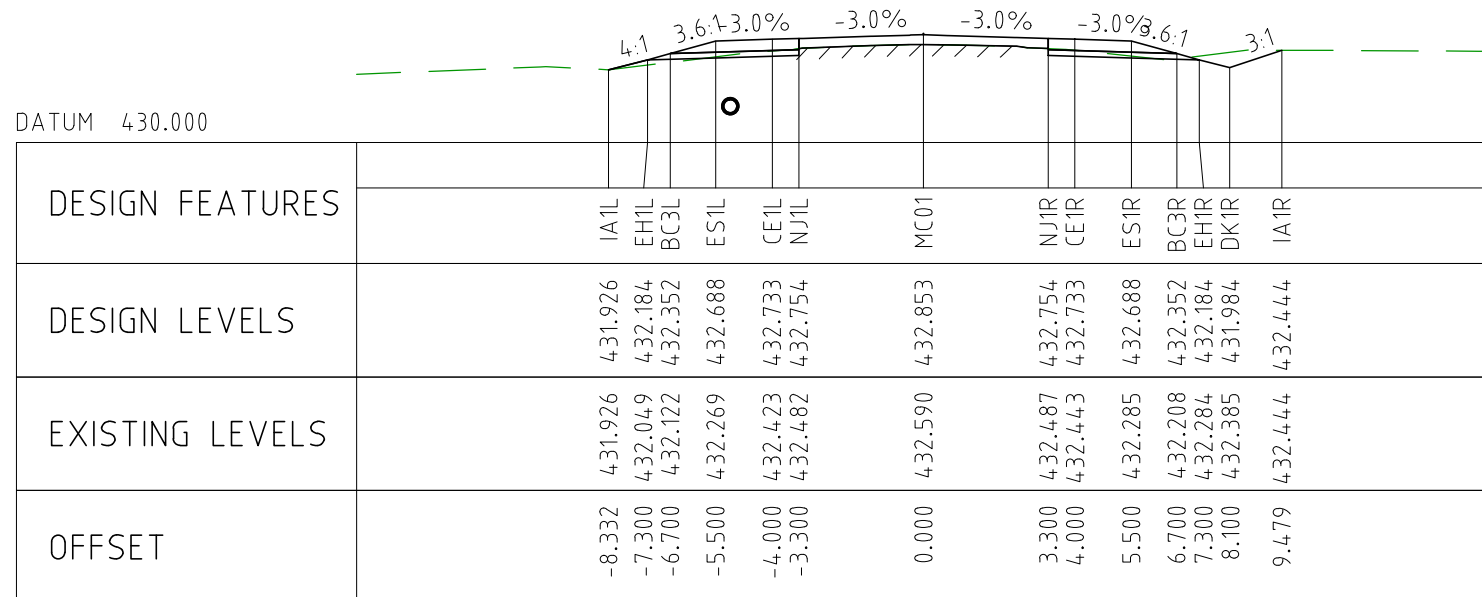
CHAINAGE 16550



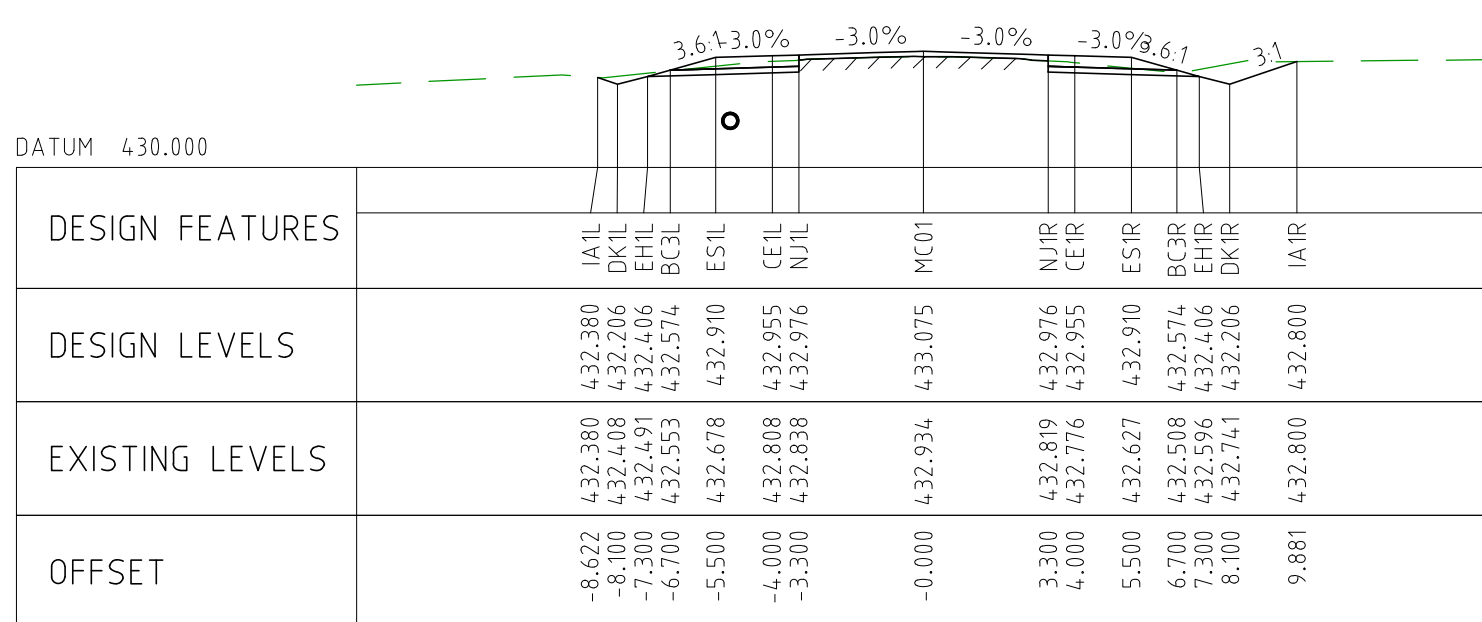
CHAINAGE 16500



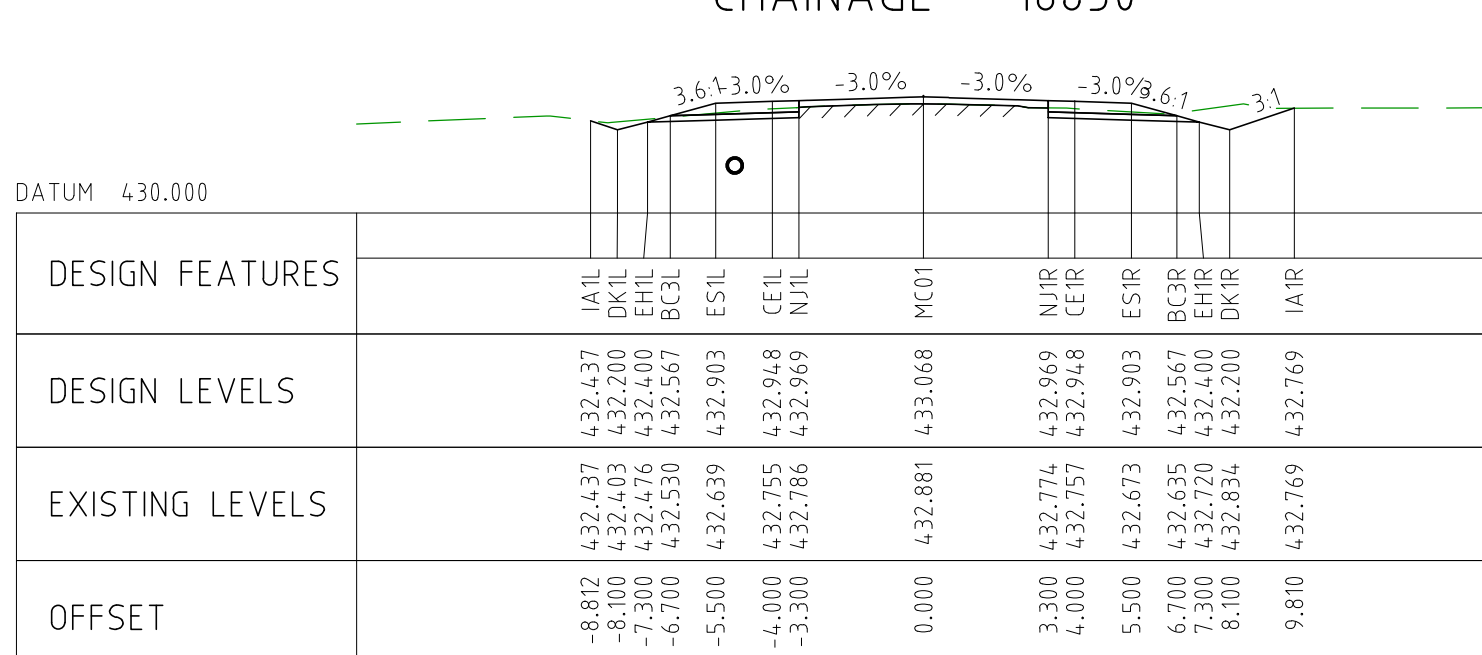
CHAINAGE 16950



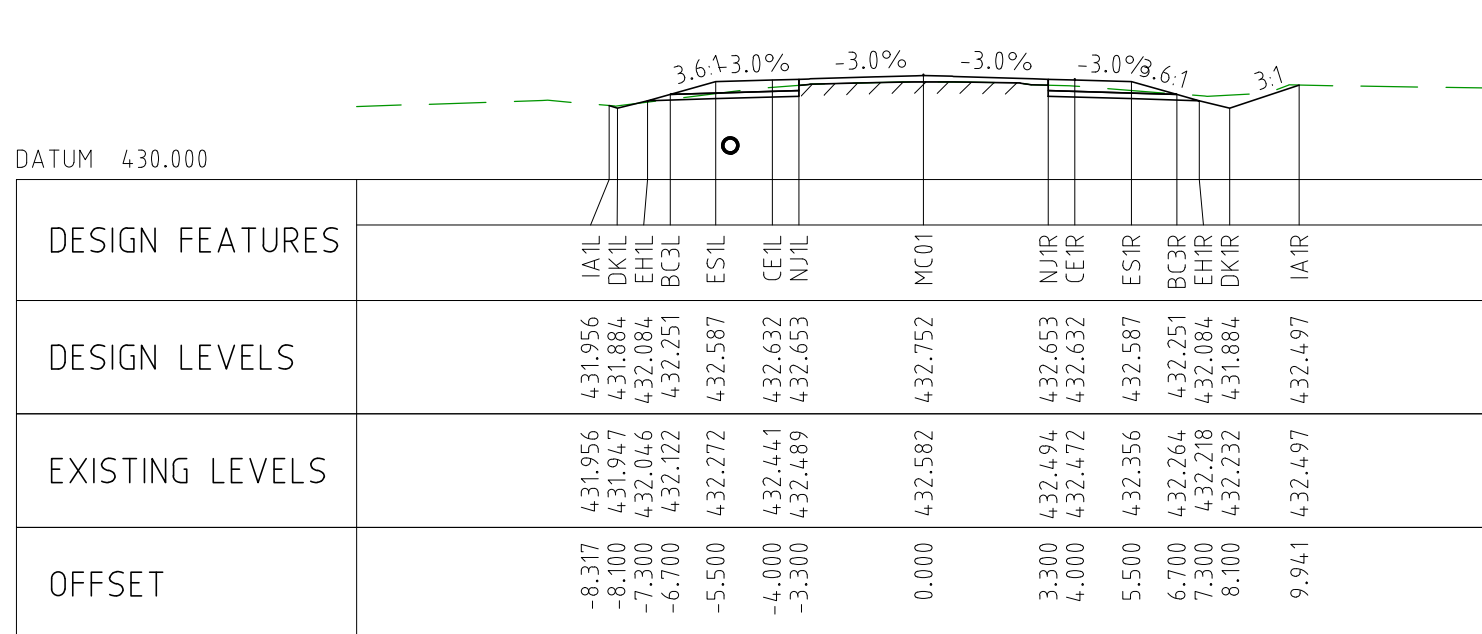
CHAINAGE 16900



CHAINAGE 16850






CHAINAGE 16800

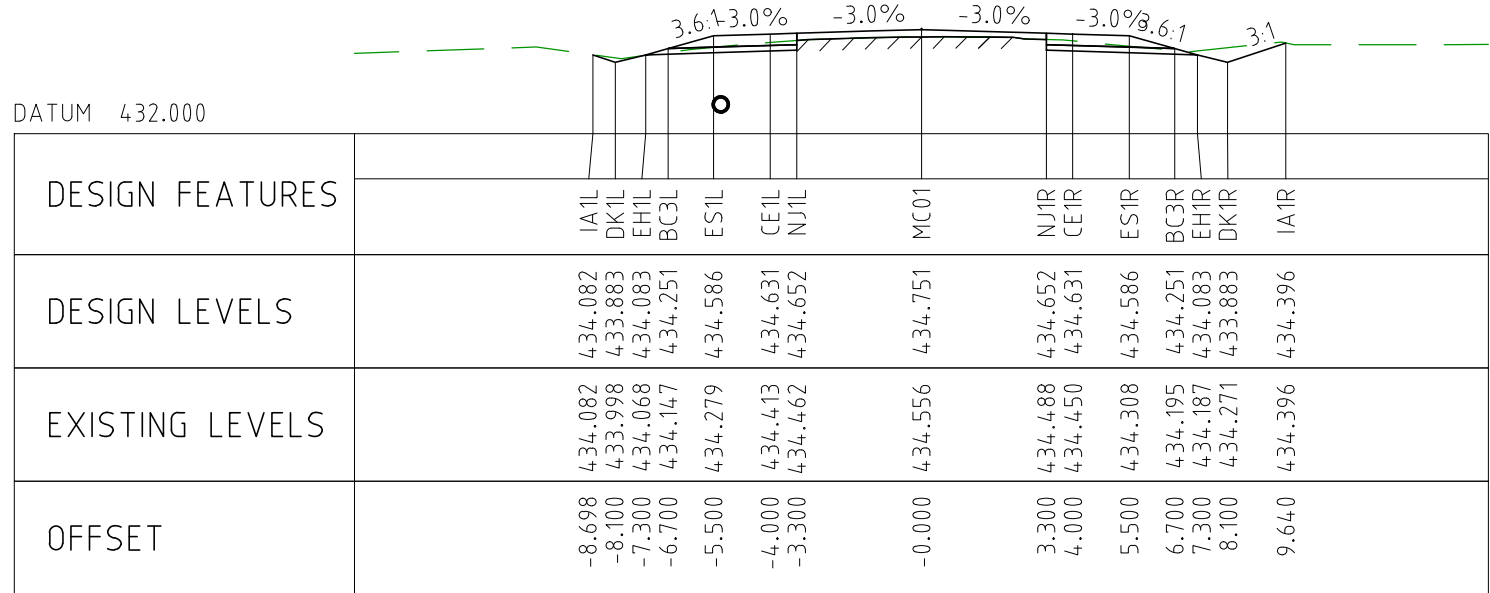


CHAINAGE 16750

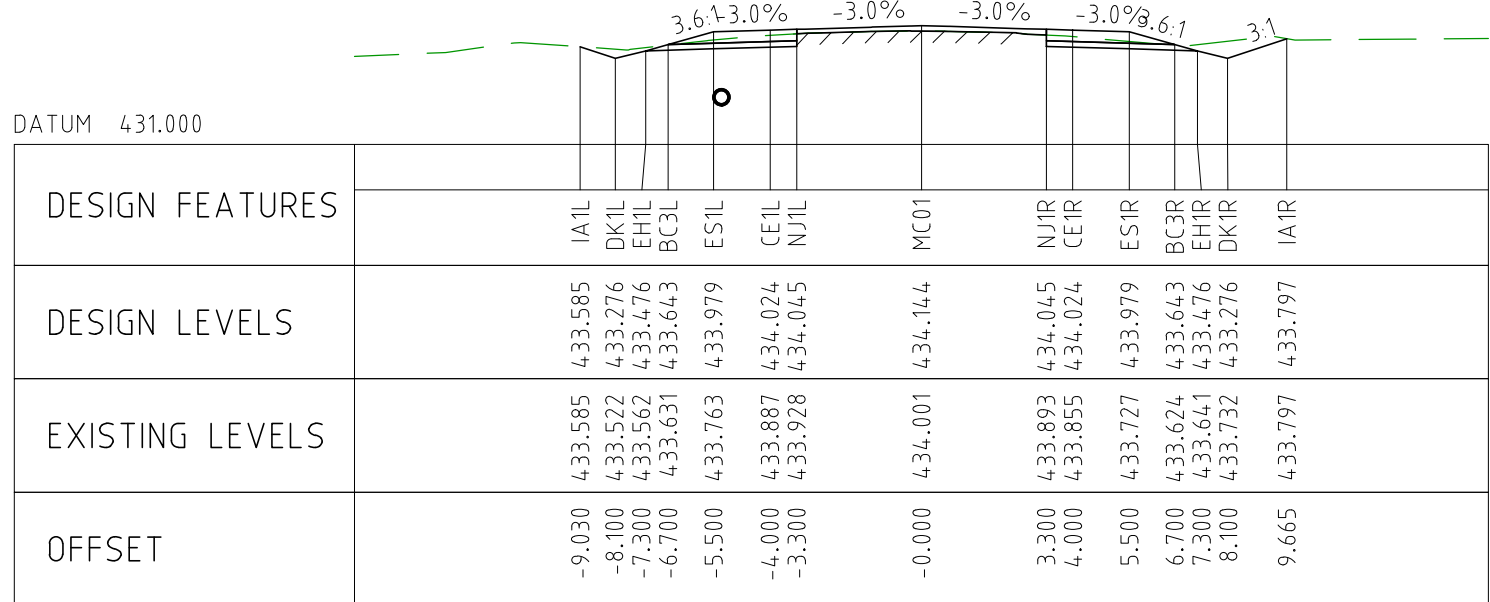
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

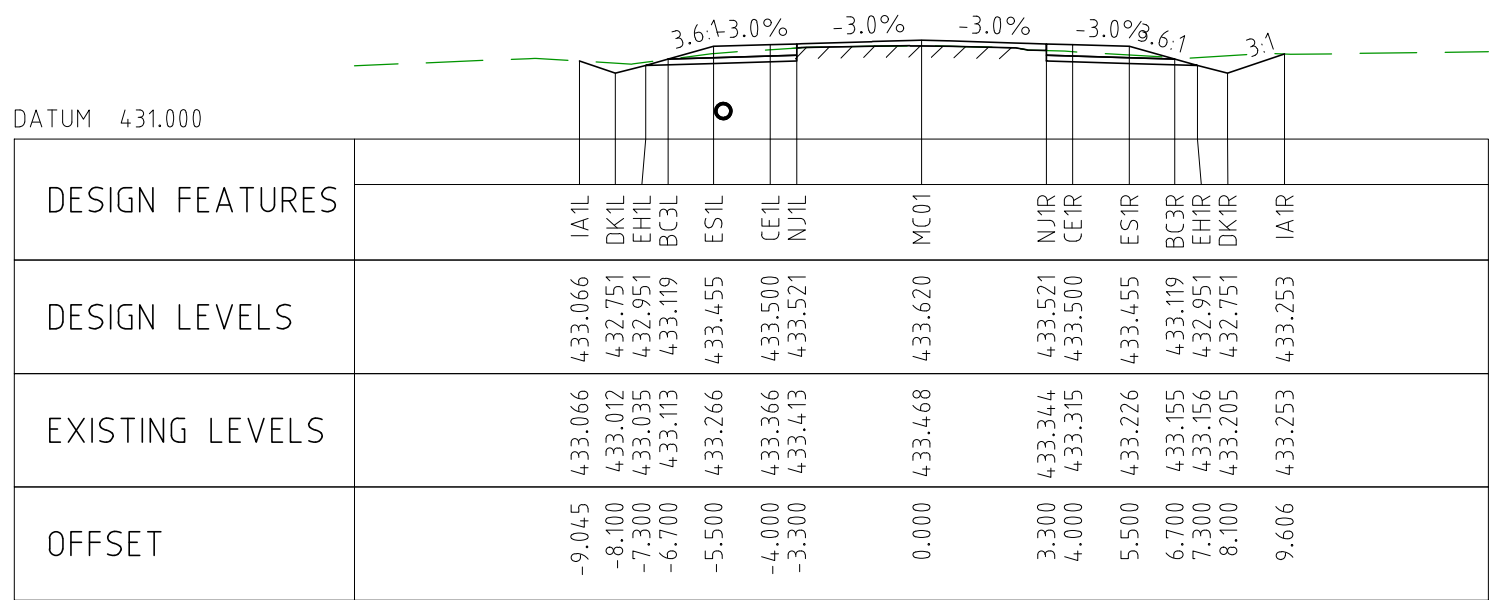
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS23.dwg					PLOT DATE 04 Nov 2022		TIME 12:17:45		CLIENT DOCUMENT No COV-M040-CI-DWG-0135																							
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL		TITLE		NAME		SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE		SCALE		PHASE		PROJECT / DRAWING No		REVISION	
					0	04.11.22	ISSUED FOR CONSTRUCTION			003	DM		DRAFTER		JW		SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149				MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 23 OF 41		1:200		DETAILED		3006493-XS23		0	
											DM		DRAFTING CHECK		TM																	
													DESIGNER		TM																	
													DESIGN CHECK		TM																	
													PROJECT MANAGER		DM																	
													PROJECT DIRECTOR		RI																	



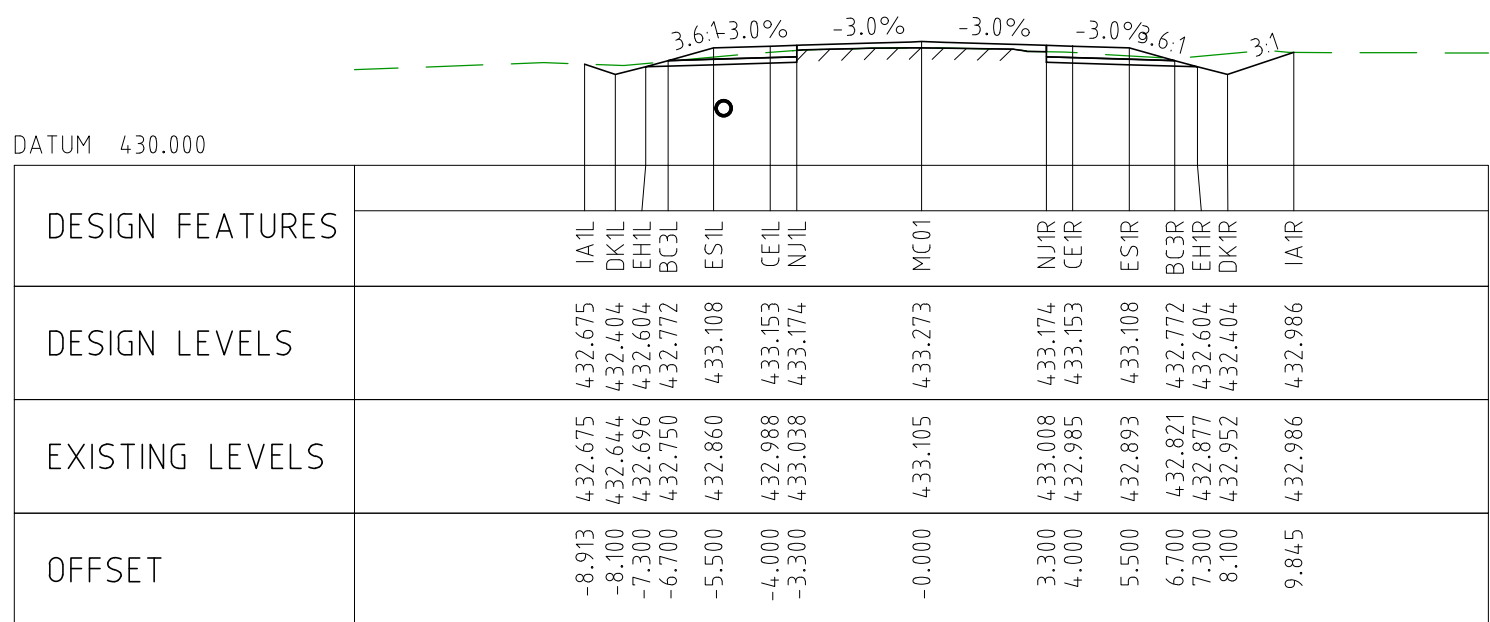
CHAINAGE 17200



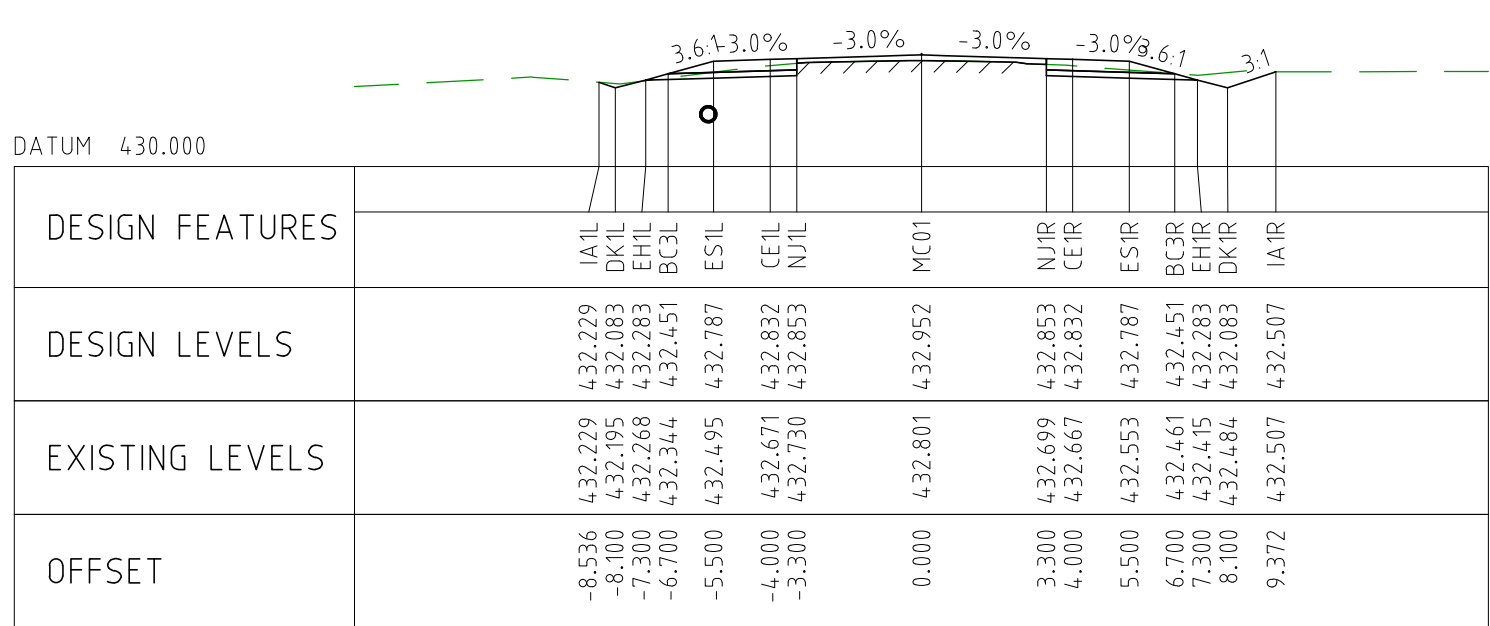
CHAINAGE 17150



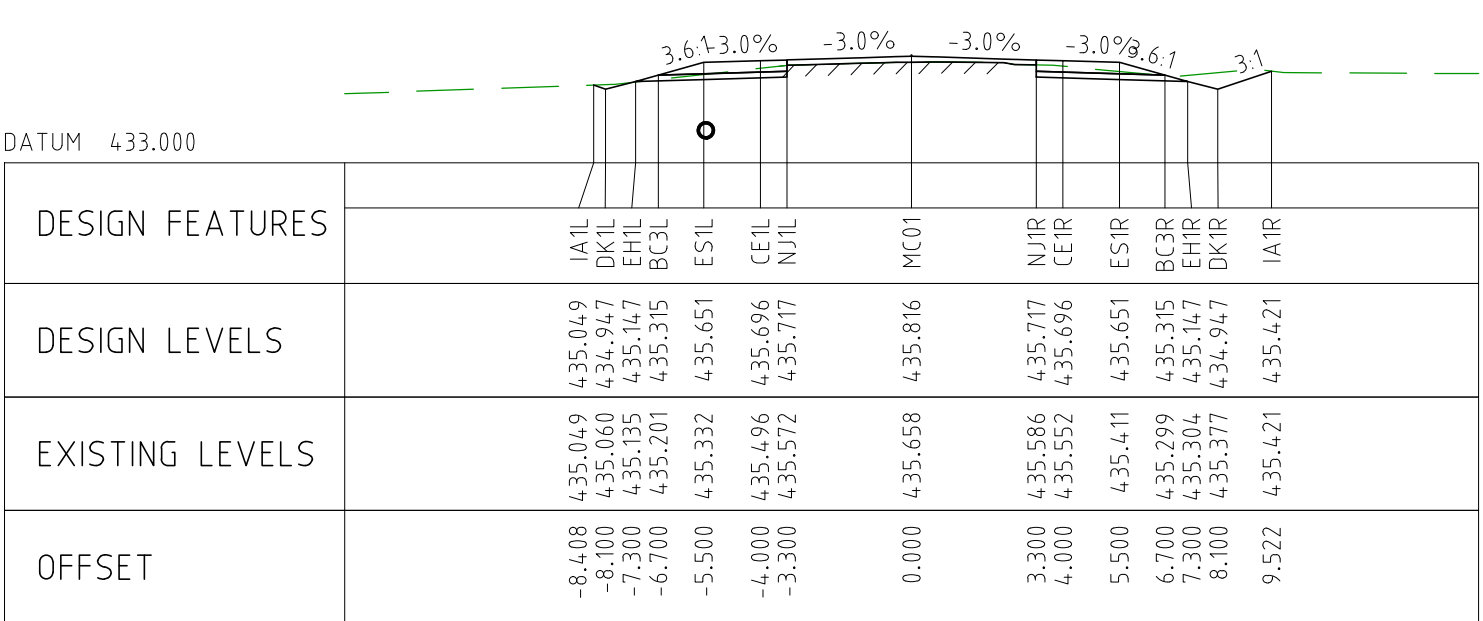
CHAINAGE 17100



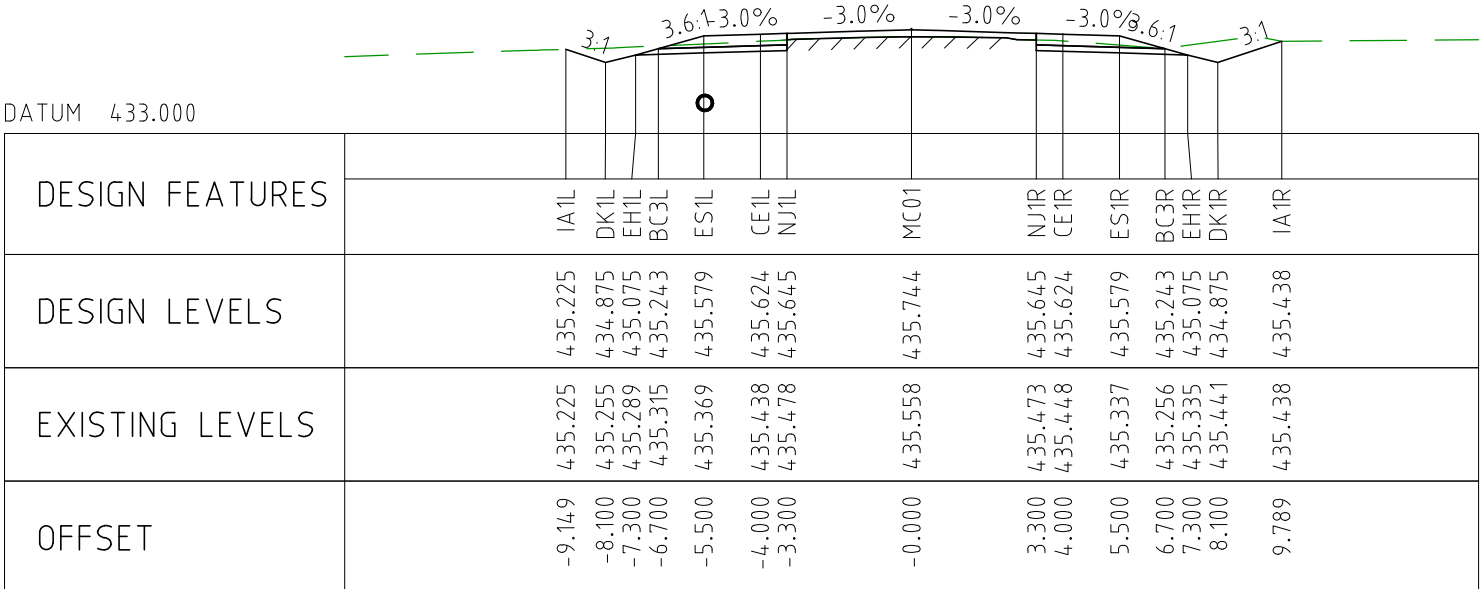
CHAINAGE 17050



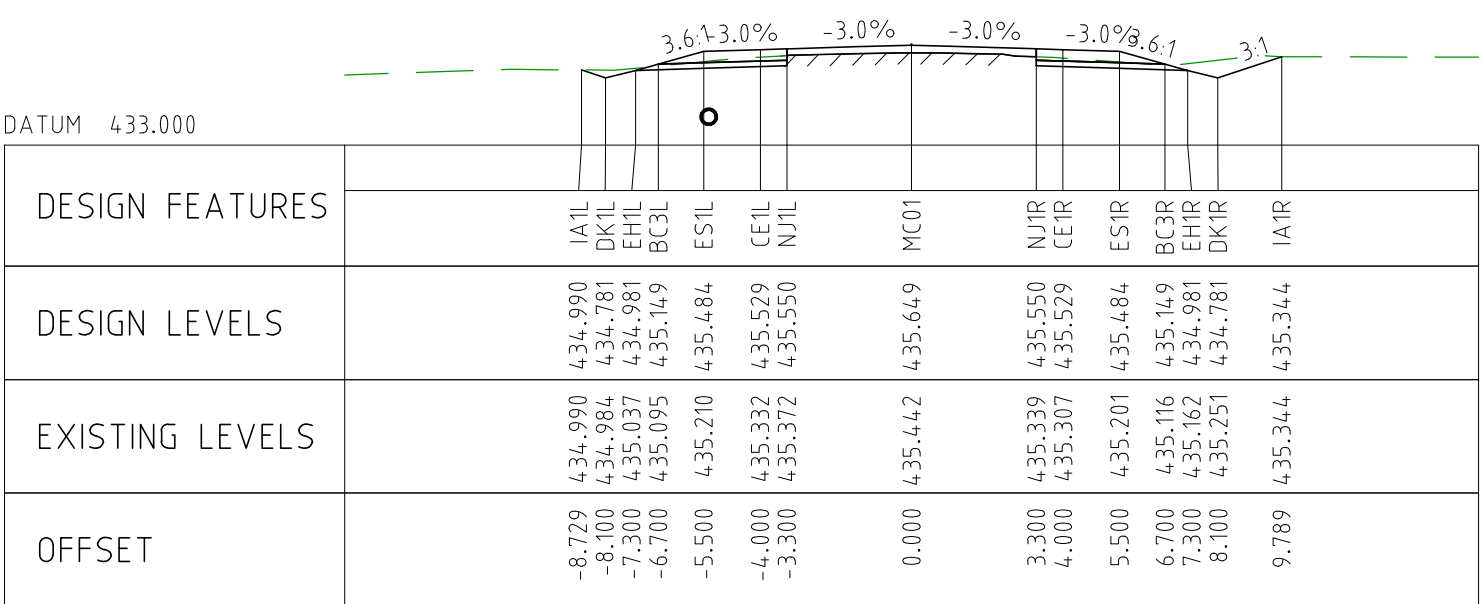
CHAINAGE 17000



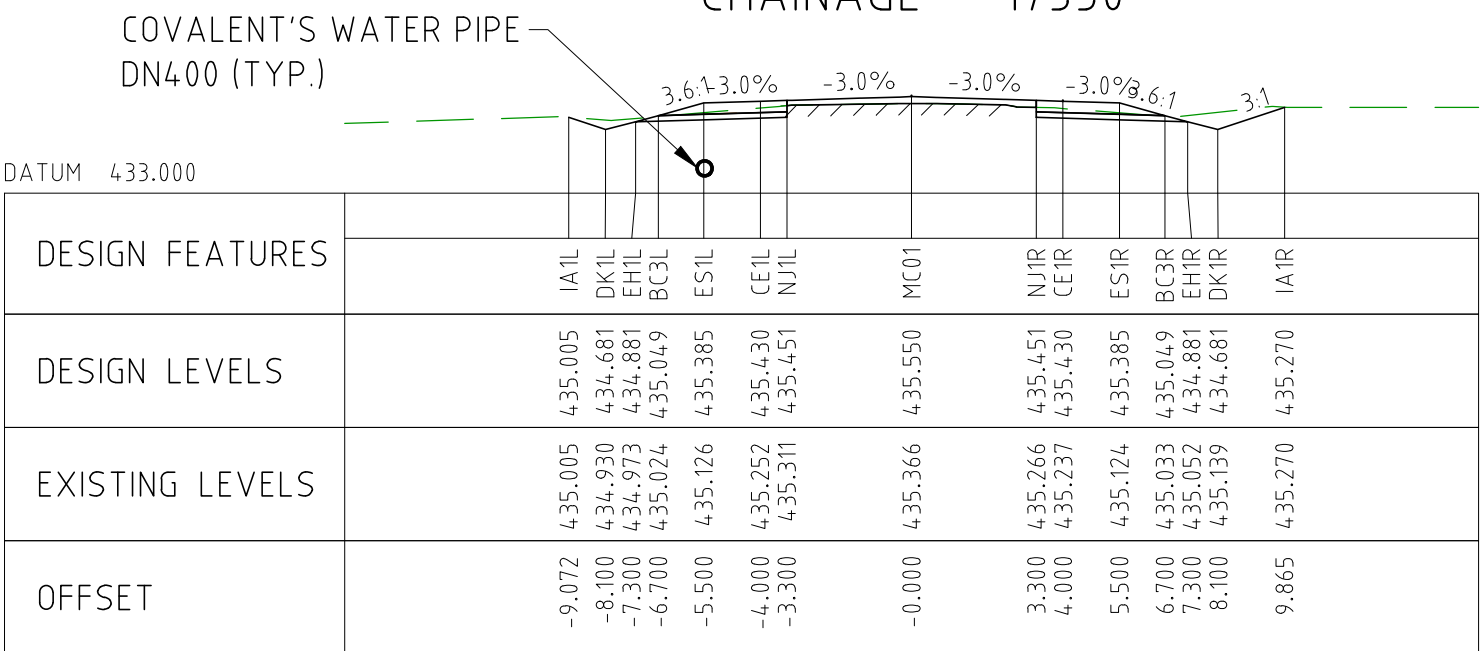
CHAINAGE 17450



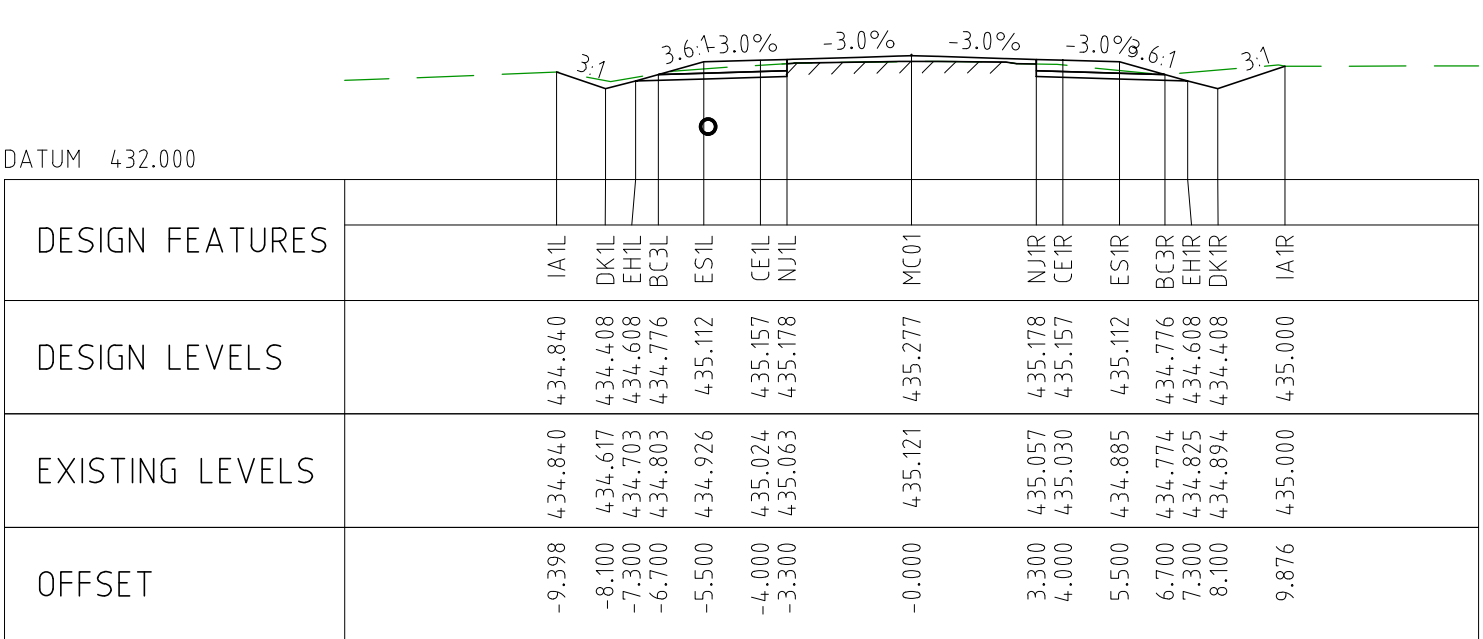
CHAINAGE 17400



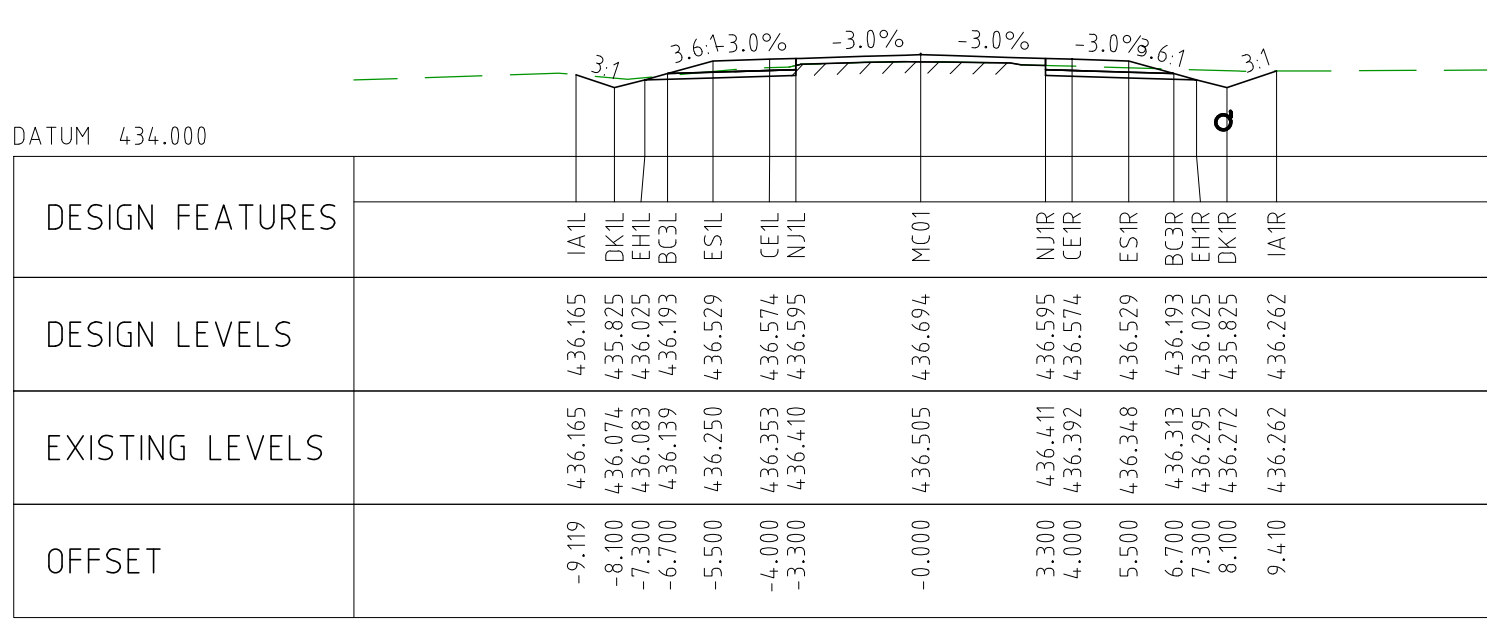
CHAINAGE 17350



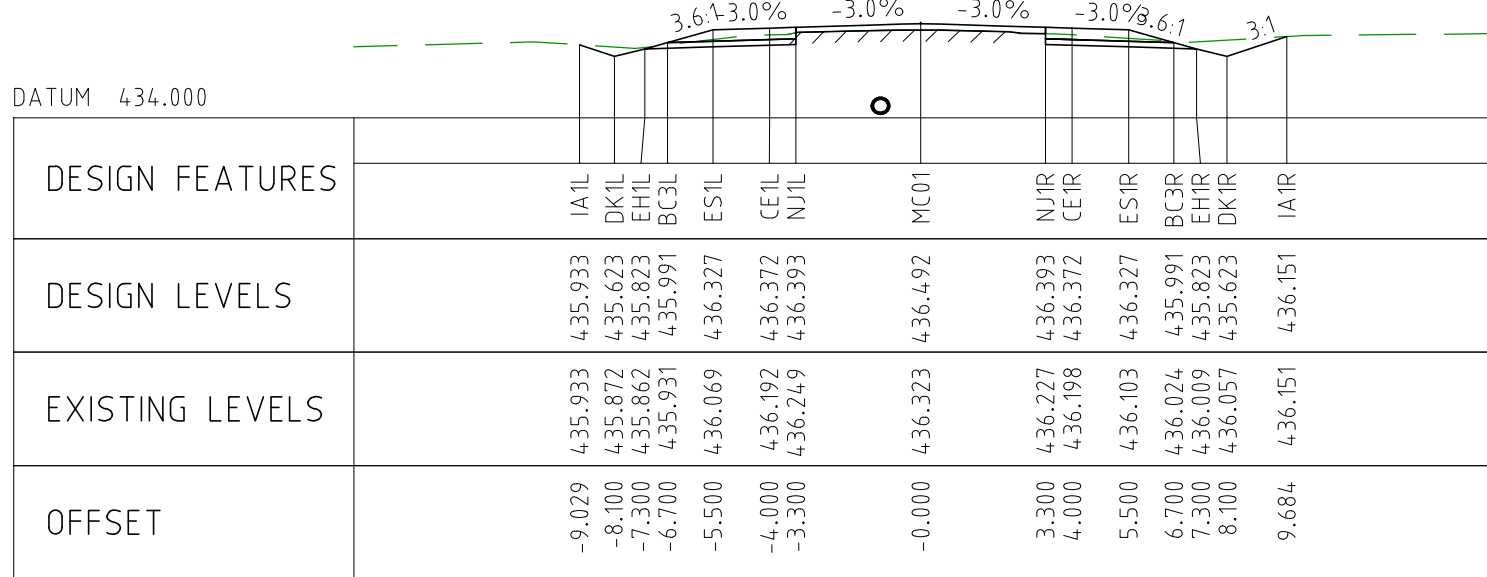
CHAINAGE 17300



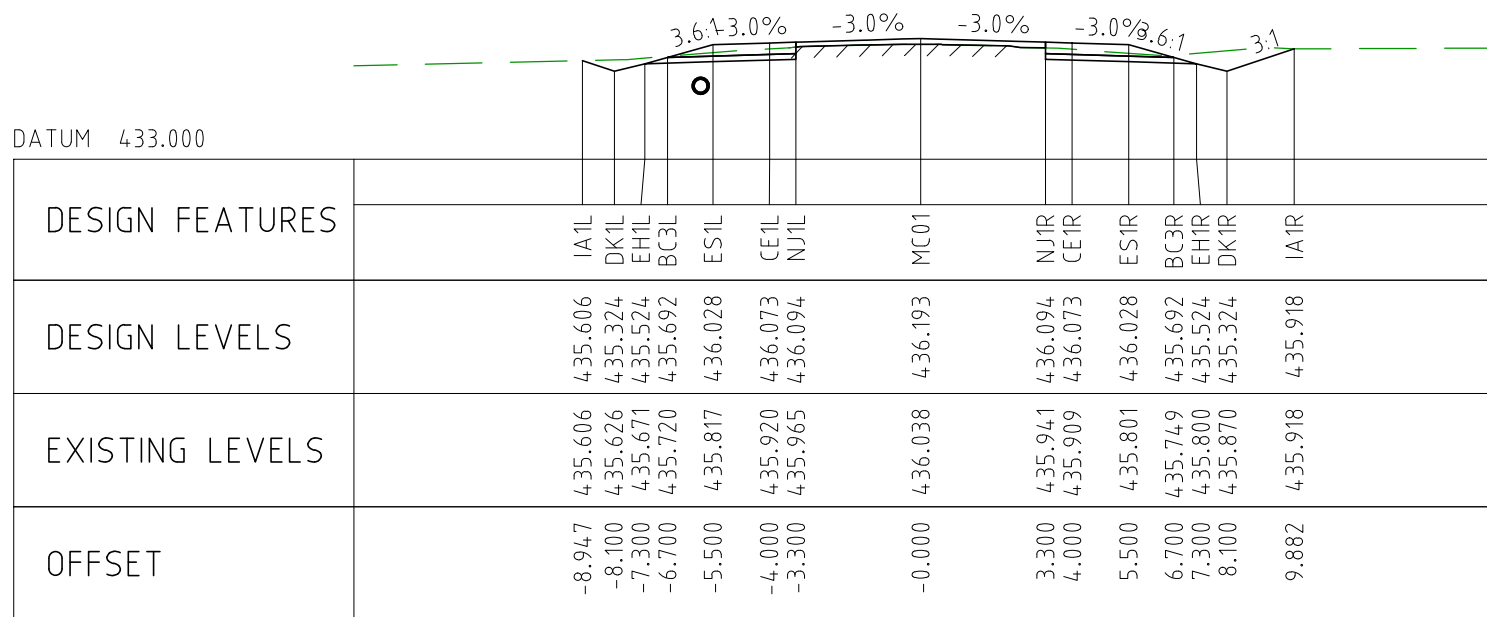
CHAINAGE 17250



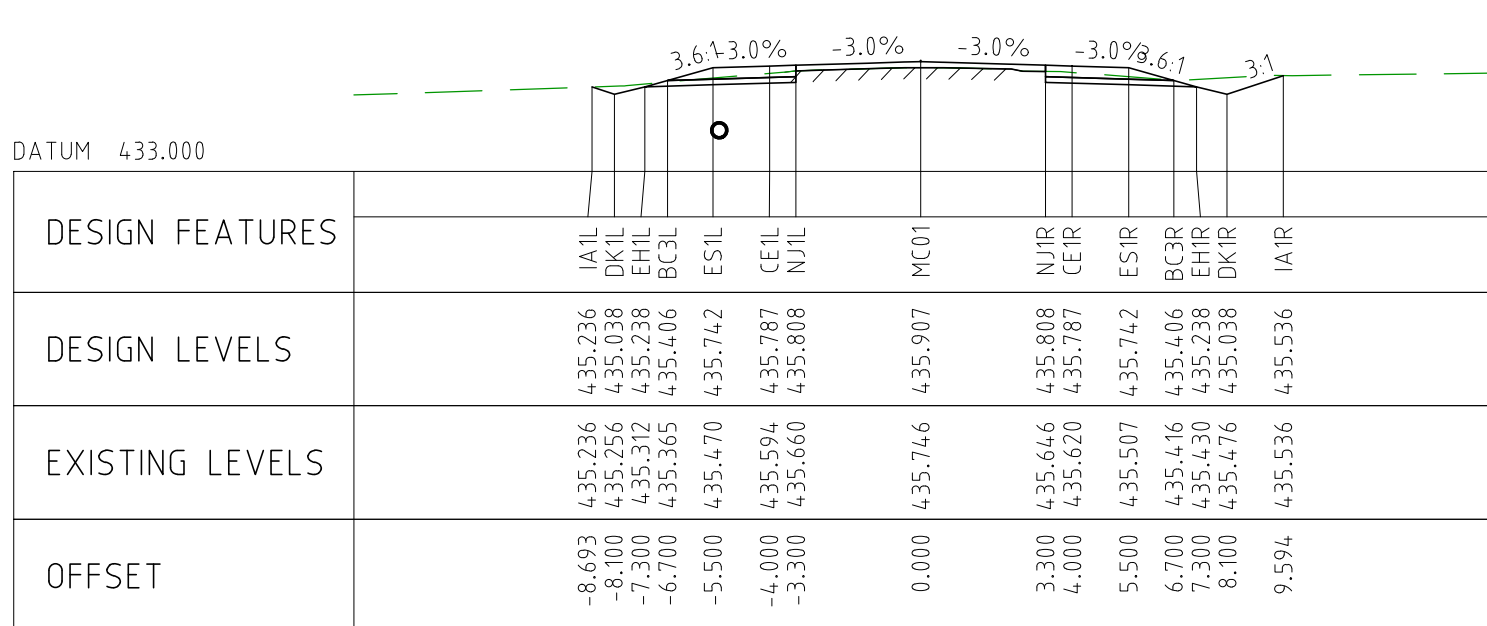
CHAINAGE 17700



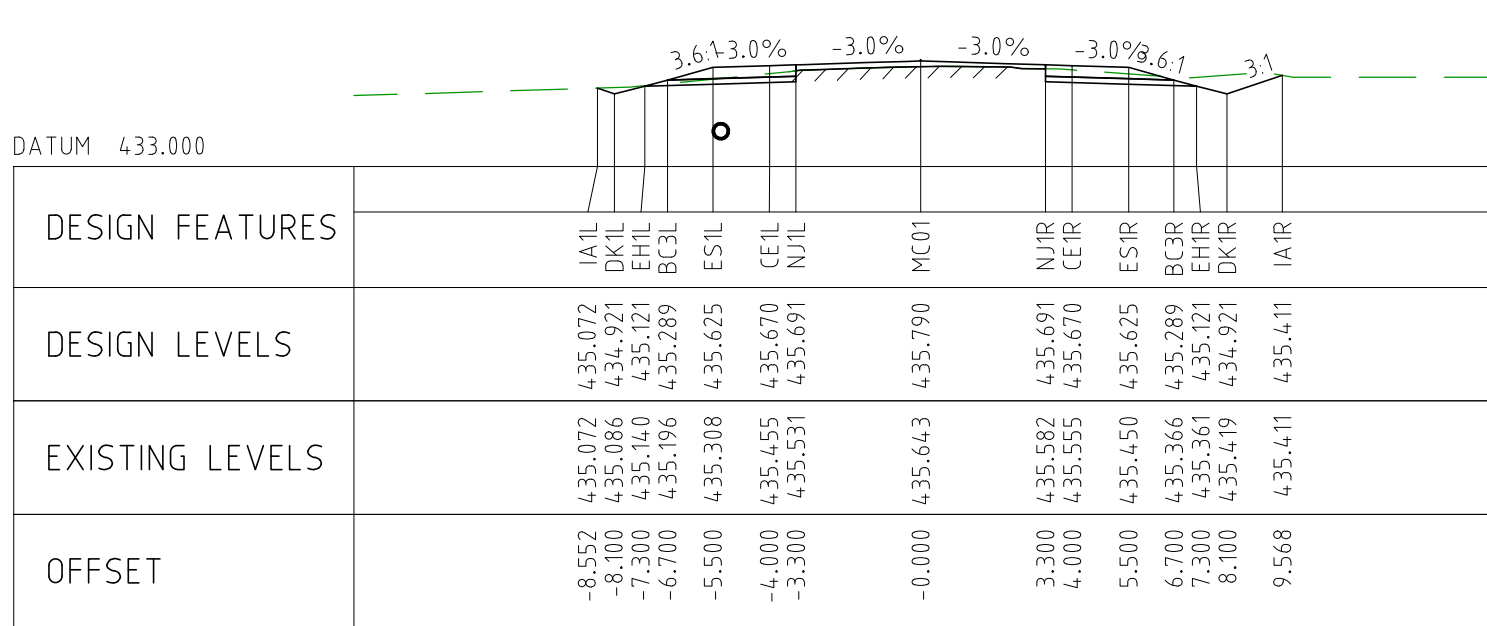
CHAINAGE 17650



CHAINAGE 17600



CHAINAGE 17550

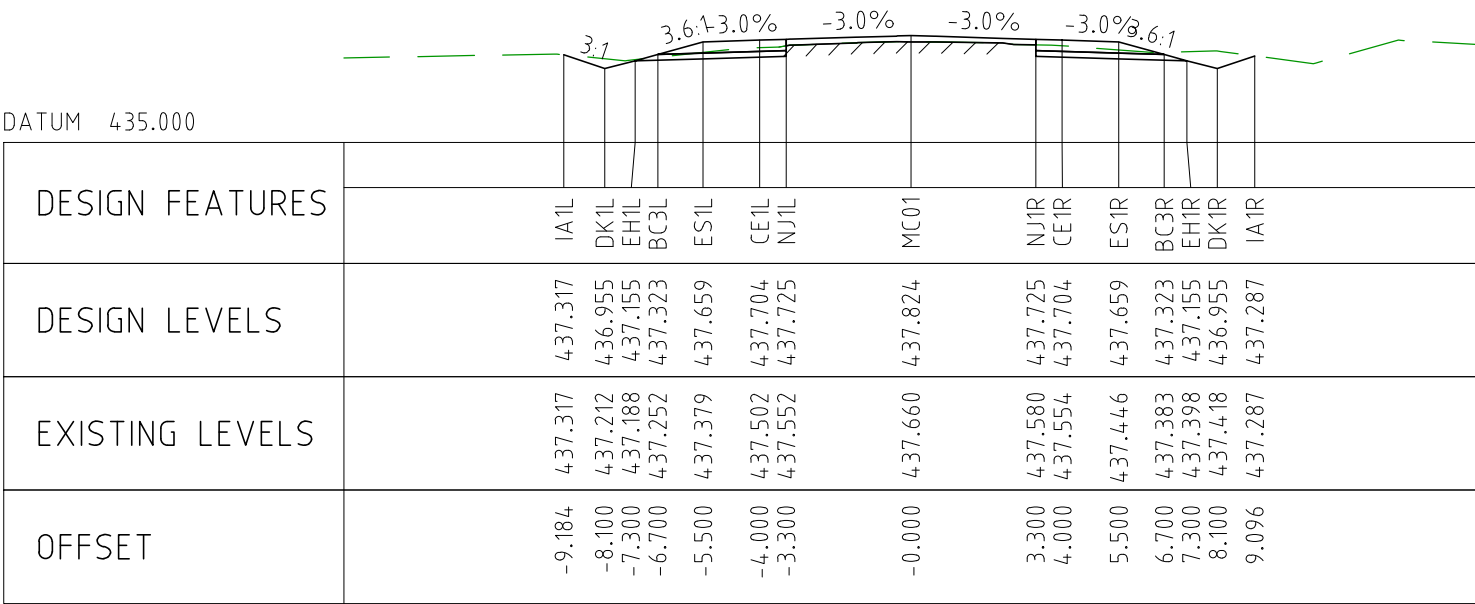


CHAINAGE 17500

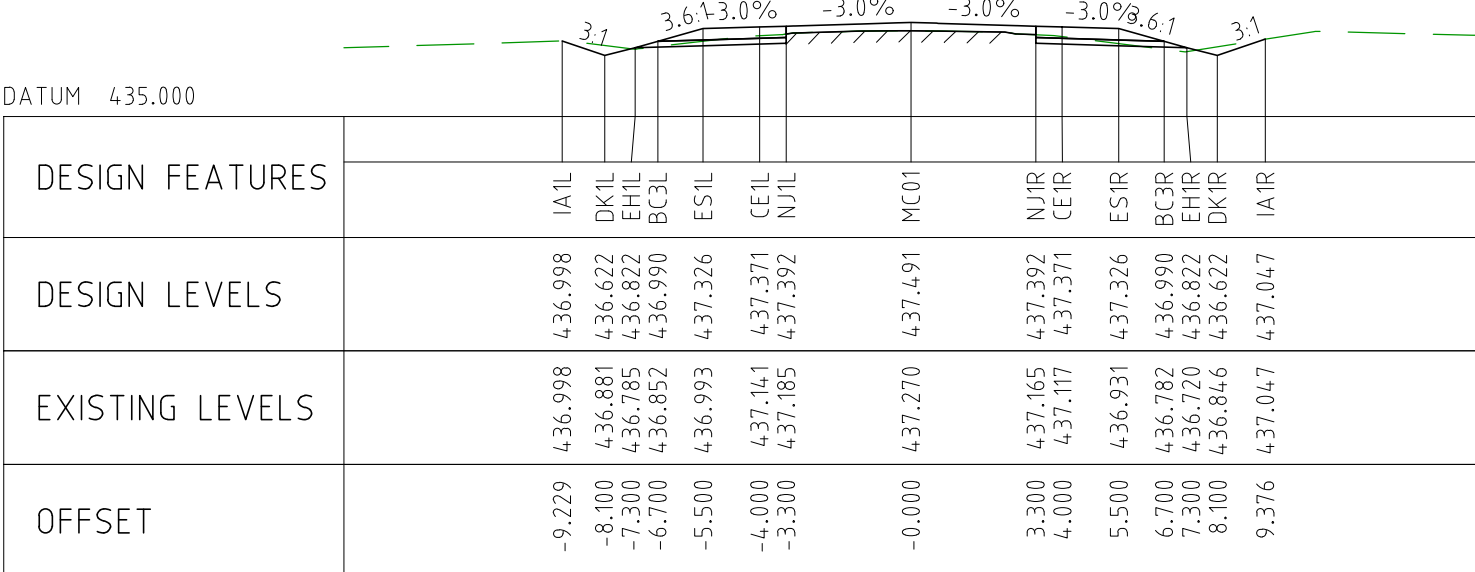
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

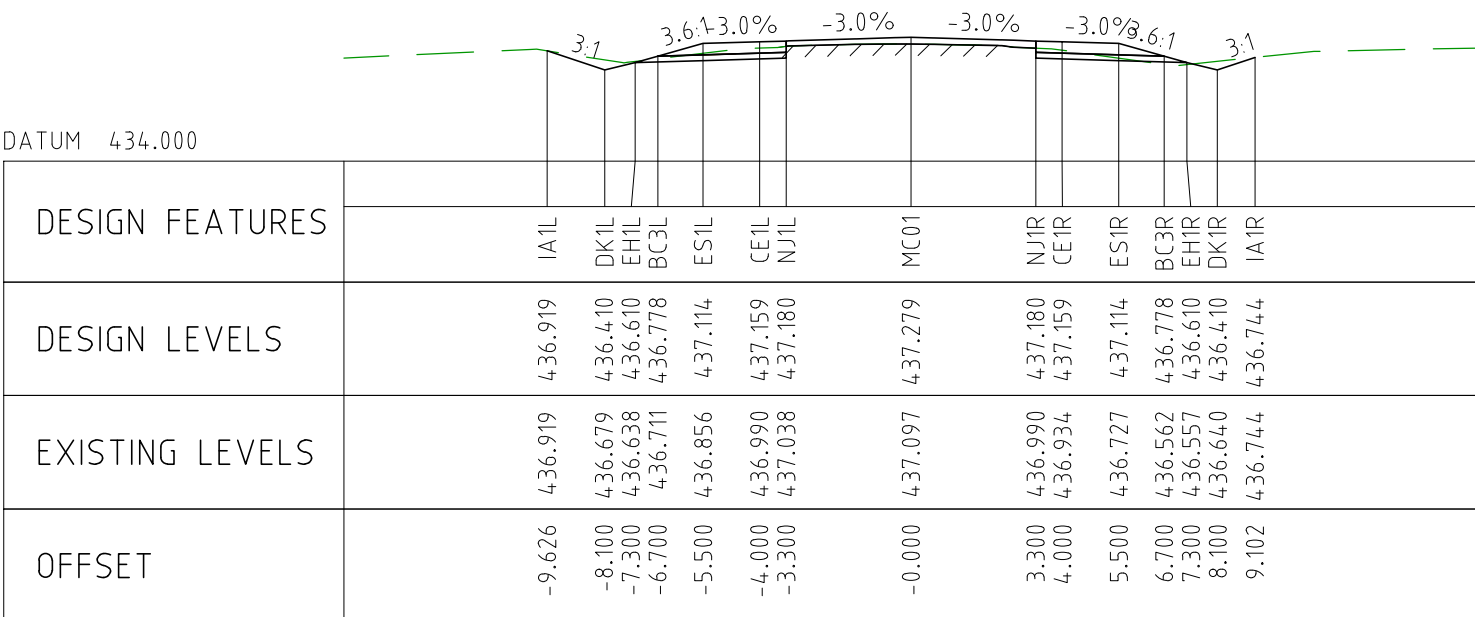
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS24.dwg				PLOT DATE 04 Nov 2022		TIME 12:18:26	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	TM
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	R/
					SCALES AT A1 SIZE DRAWING		
					SCALE 1:200		
					DESIGNER		
					CLIENT		
					PROJECT TITLE		
					SCALE		
					PHASE		
					PROJECT / DRAWING No		
					REVISION		



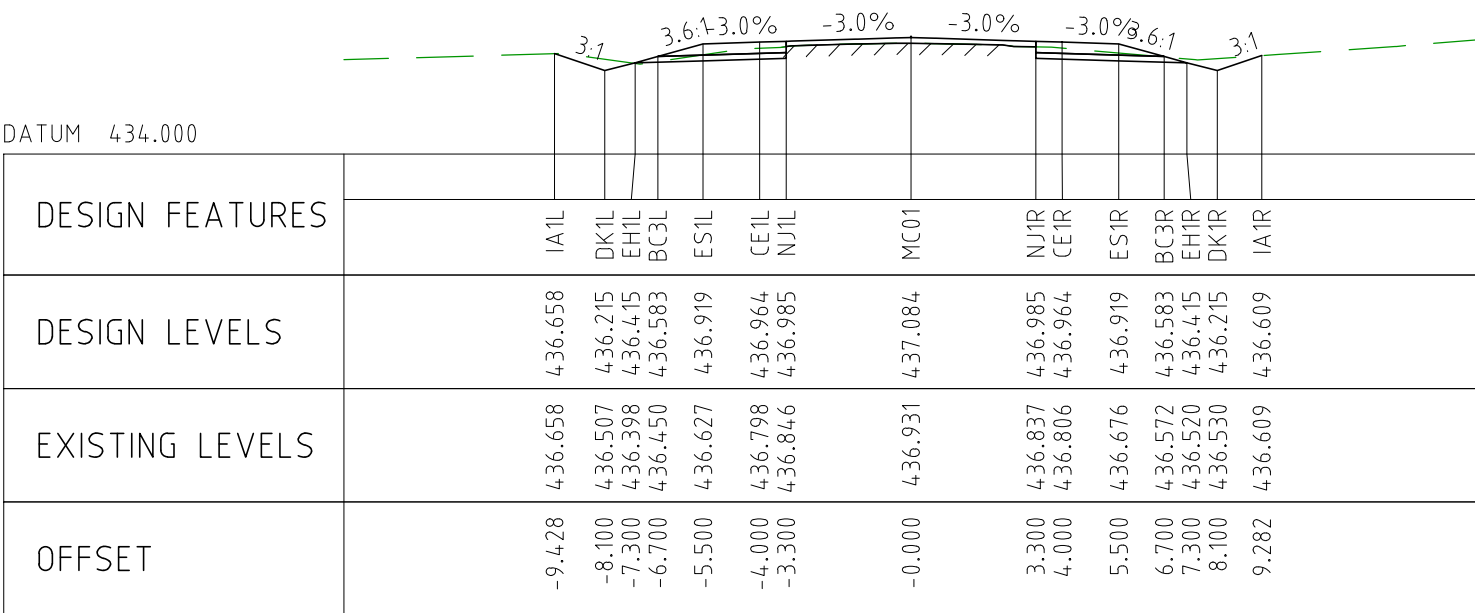
CHAINAGE 17950



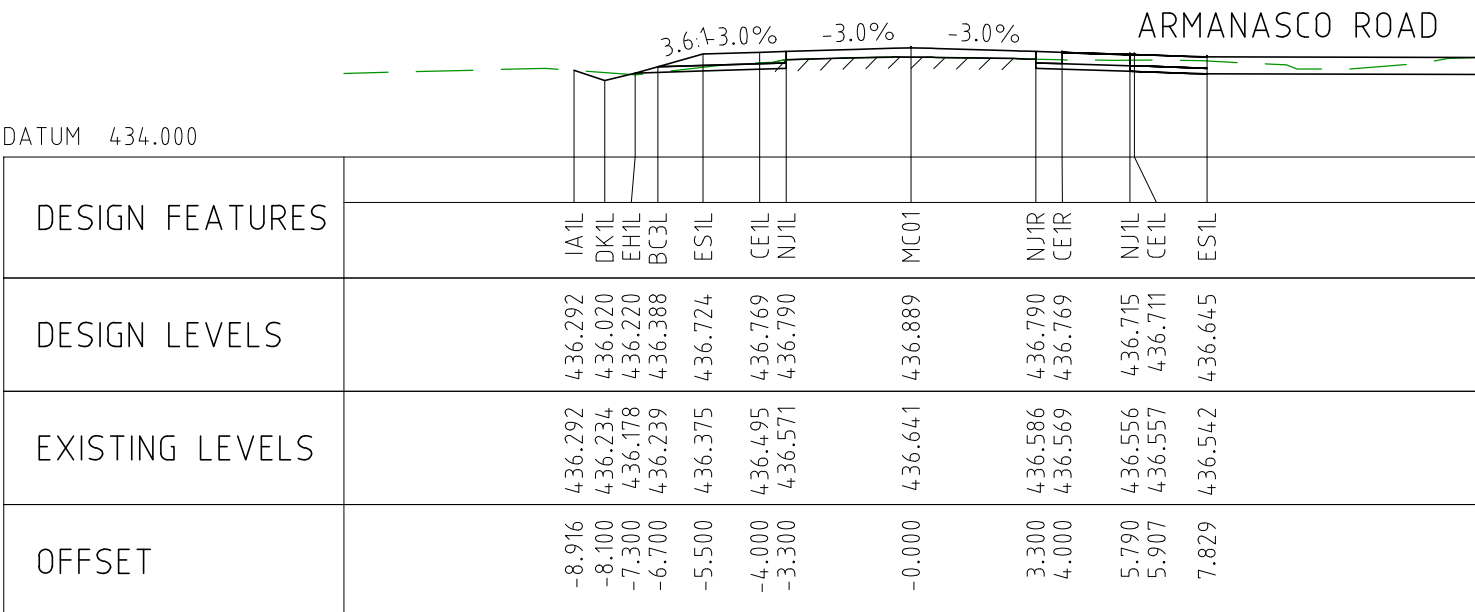
CHAINAGE 17900



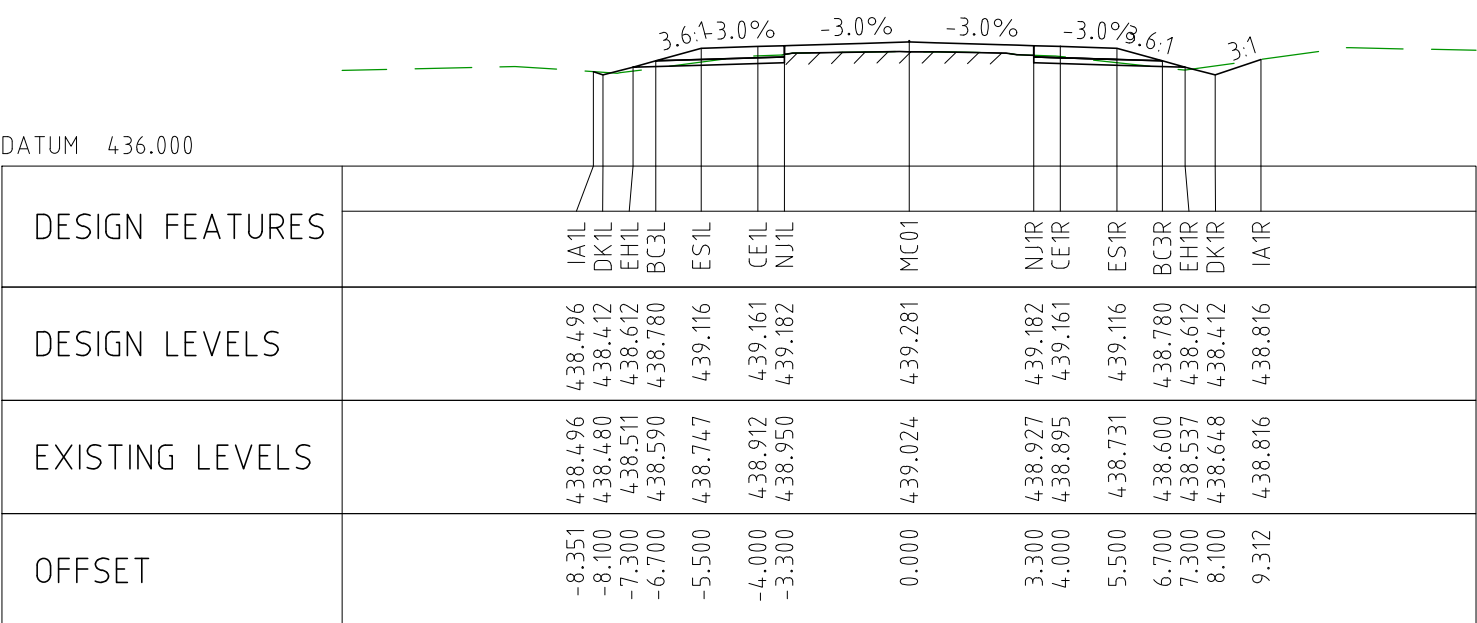
CHAINAGE 17850



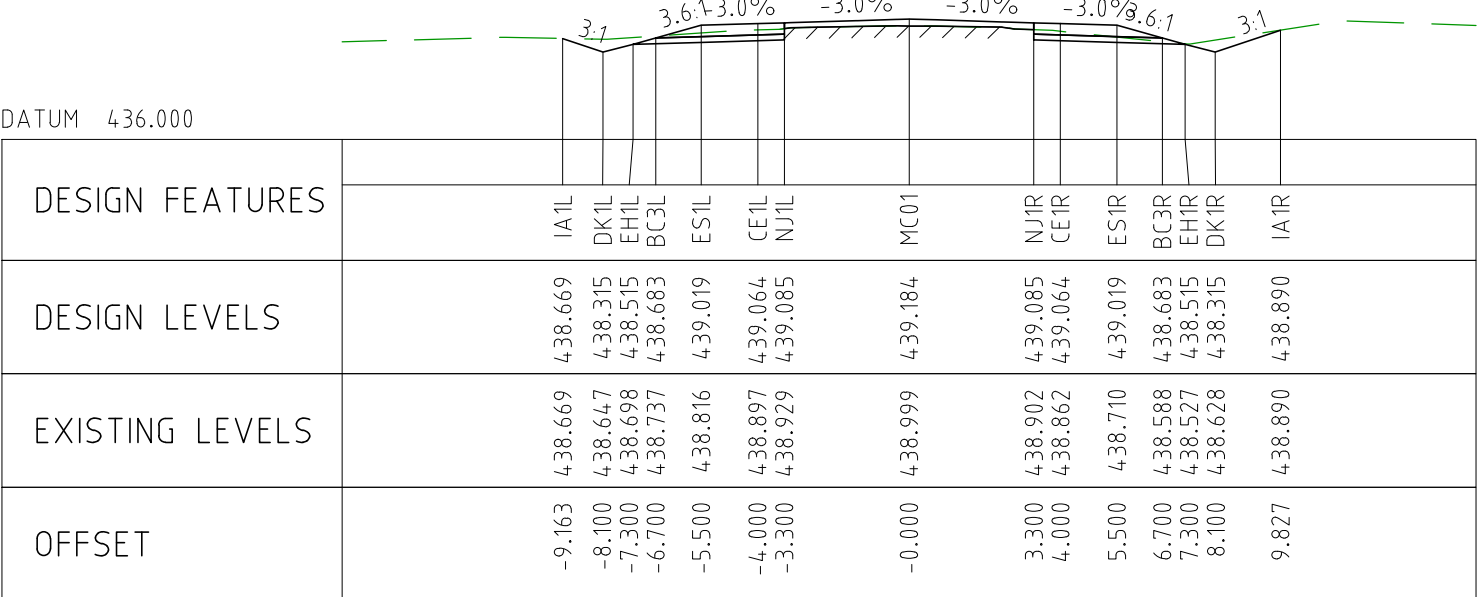
CHAINAGE 17800



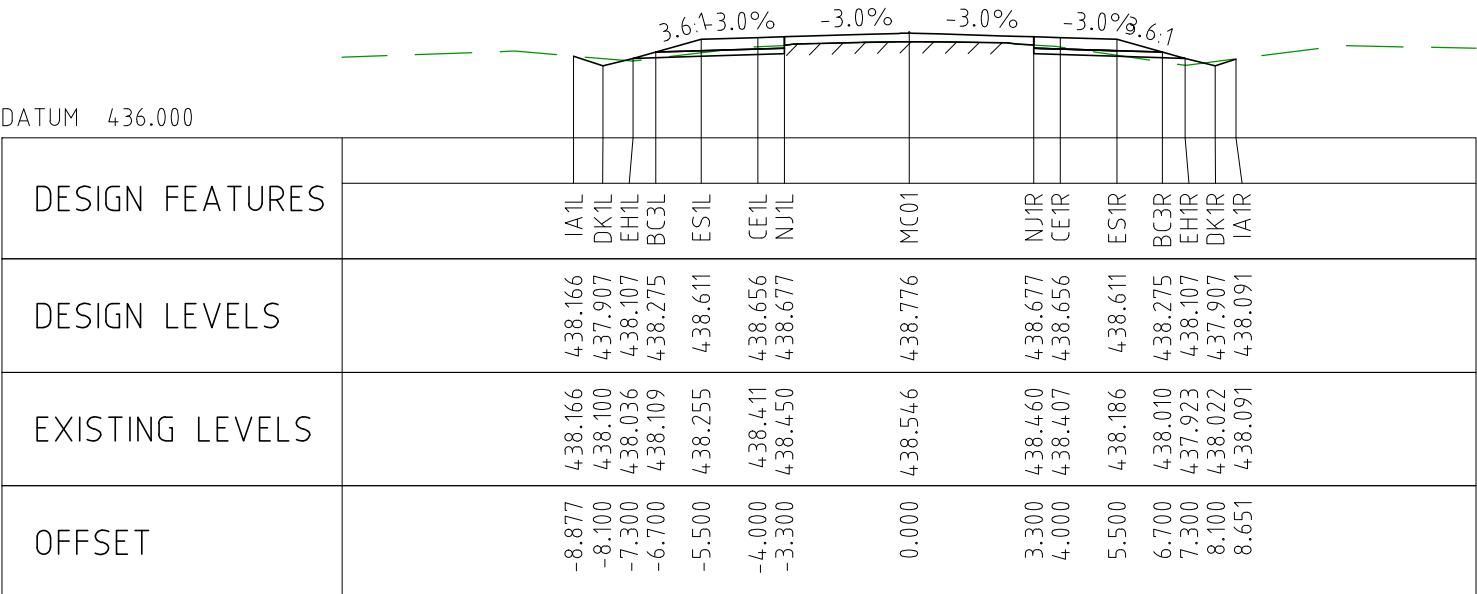
CHAINAGE 17750



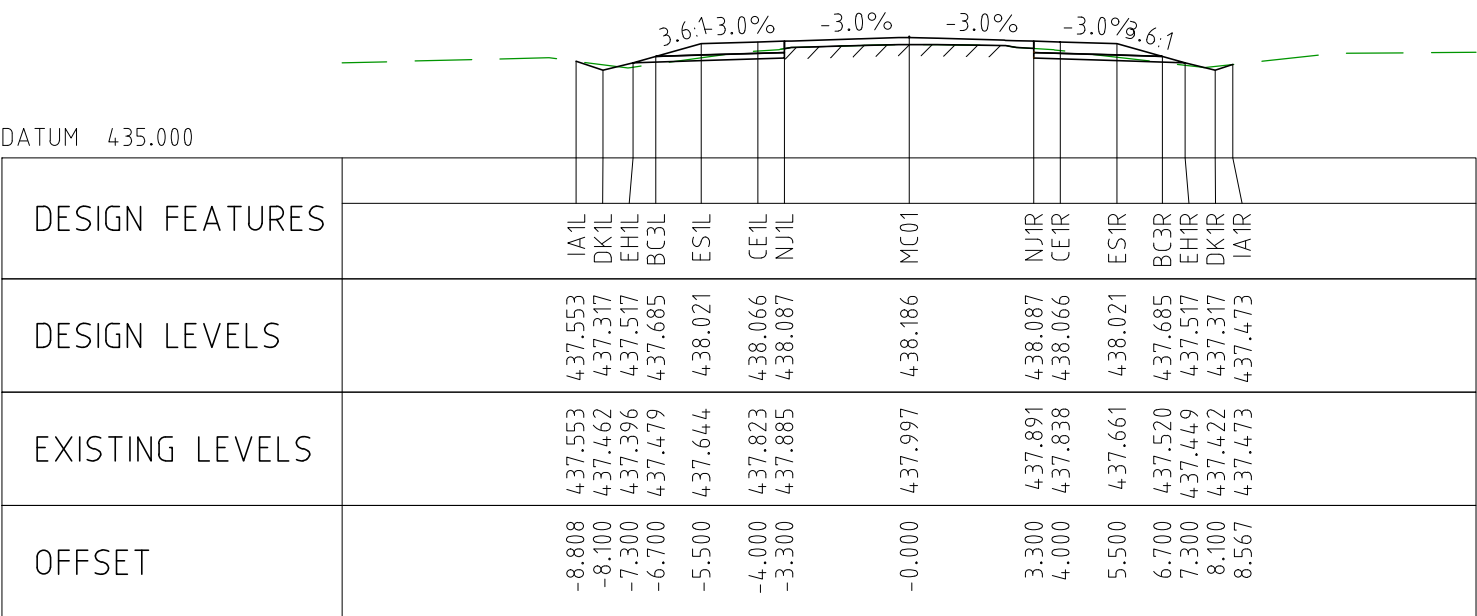
CHAINAGE 18200



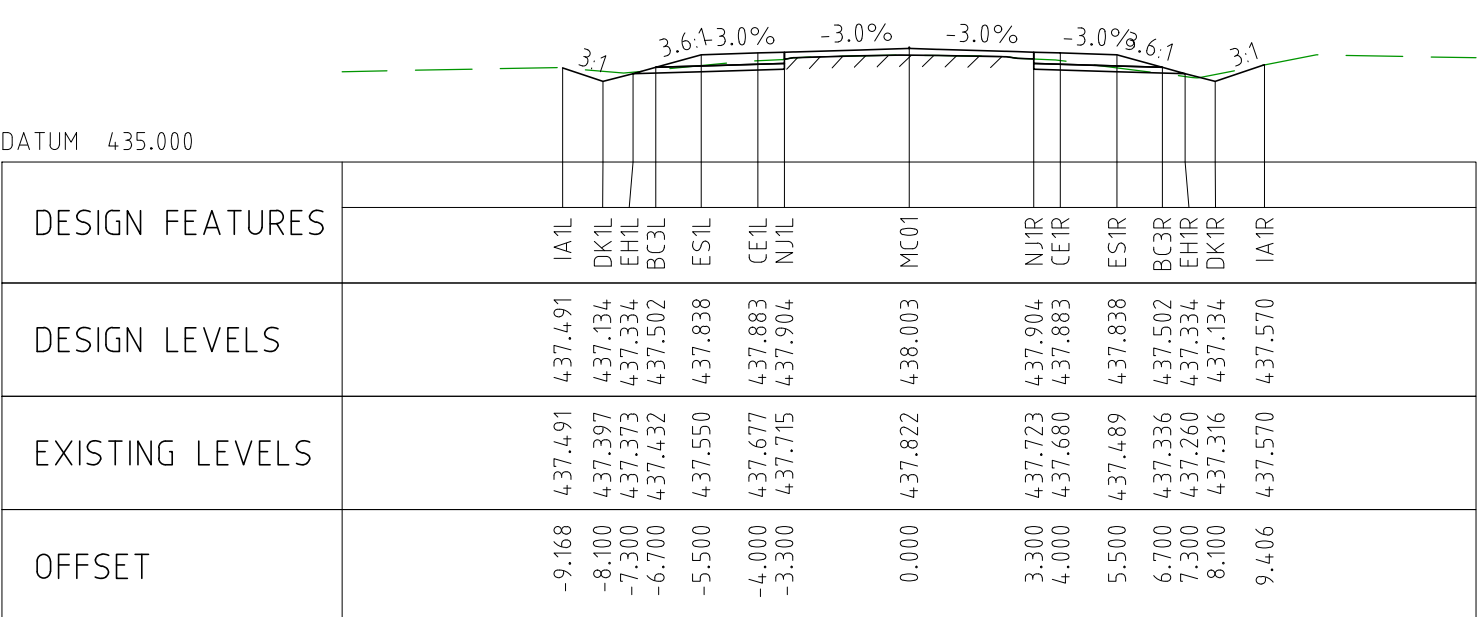
CHAINAGE 18150



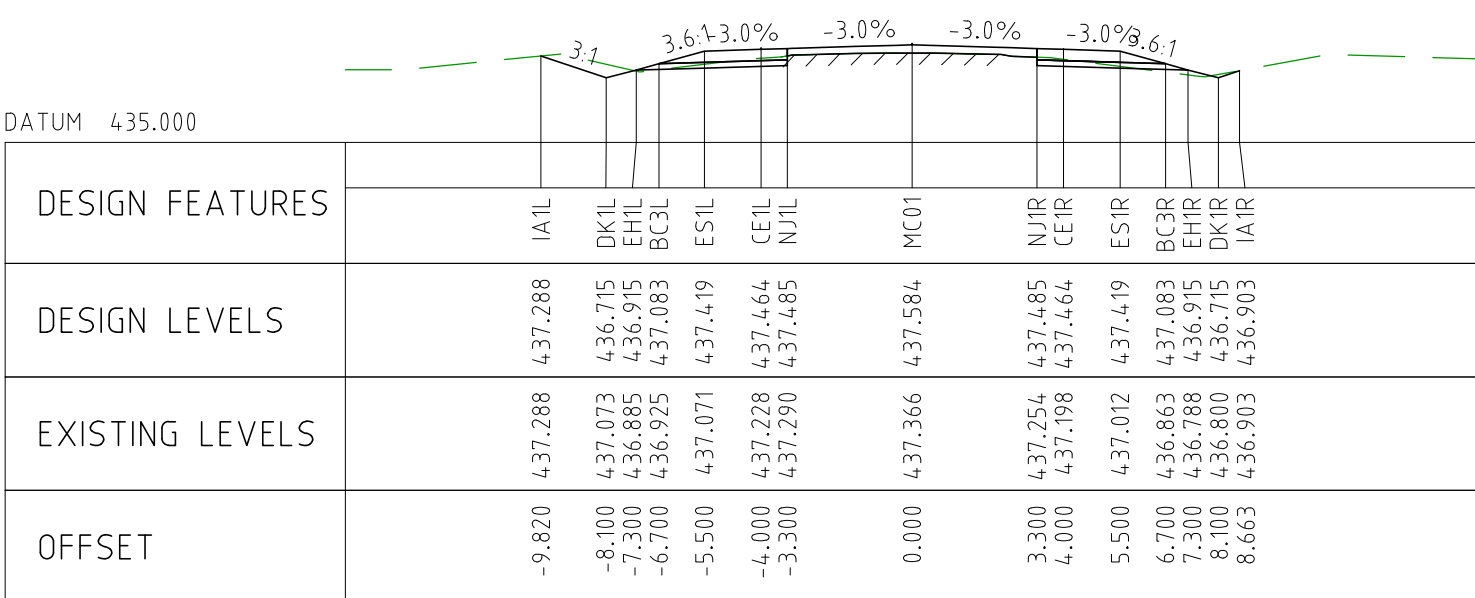
CHAINAGE 18100



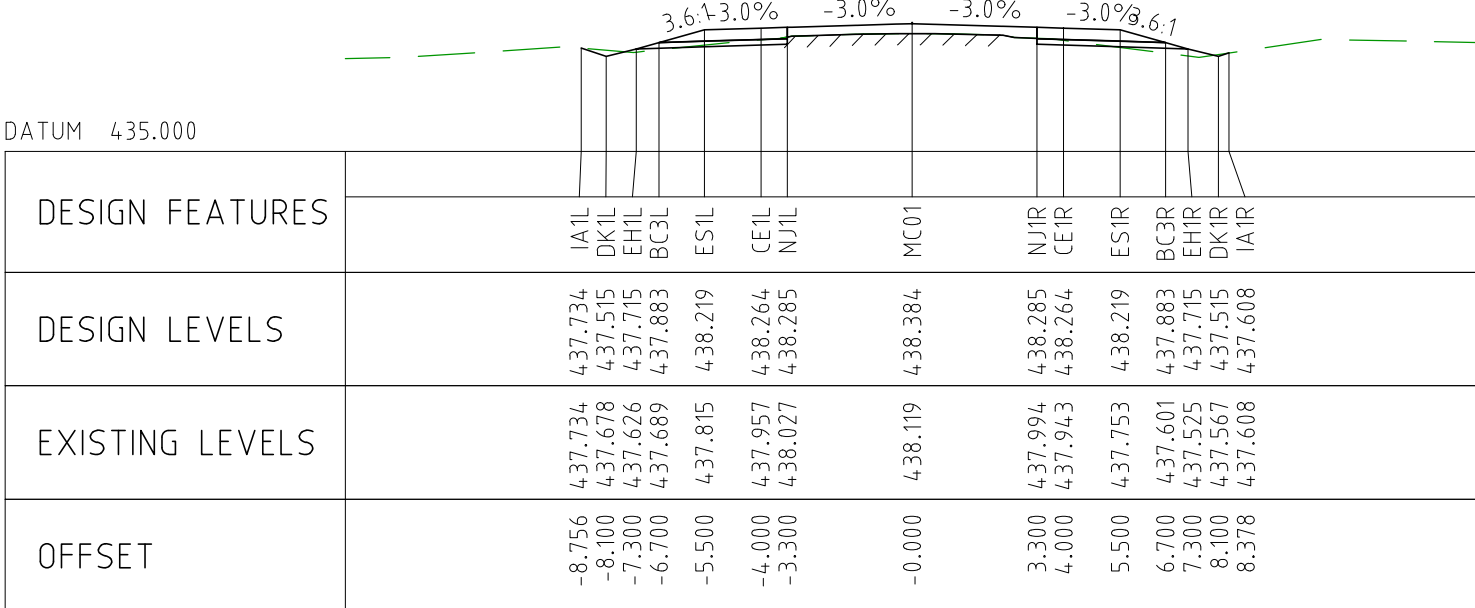
CHAINAGE 18050



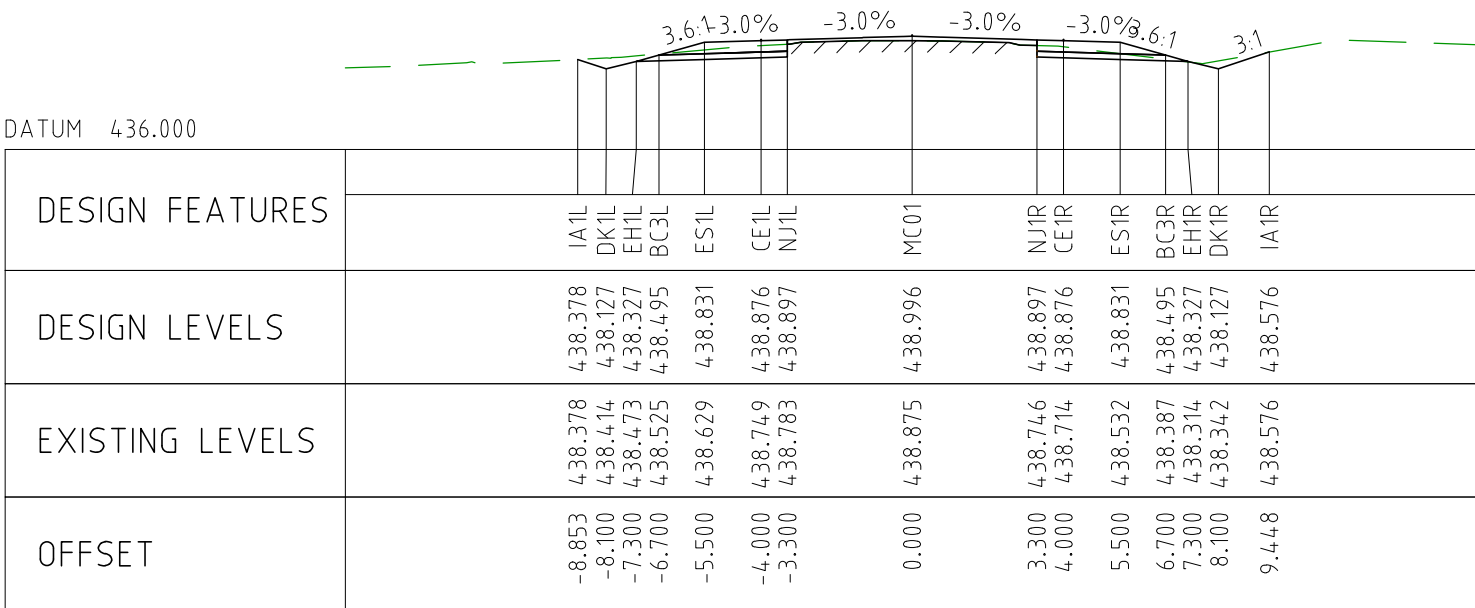
CHAINAGE 18000



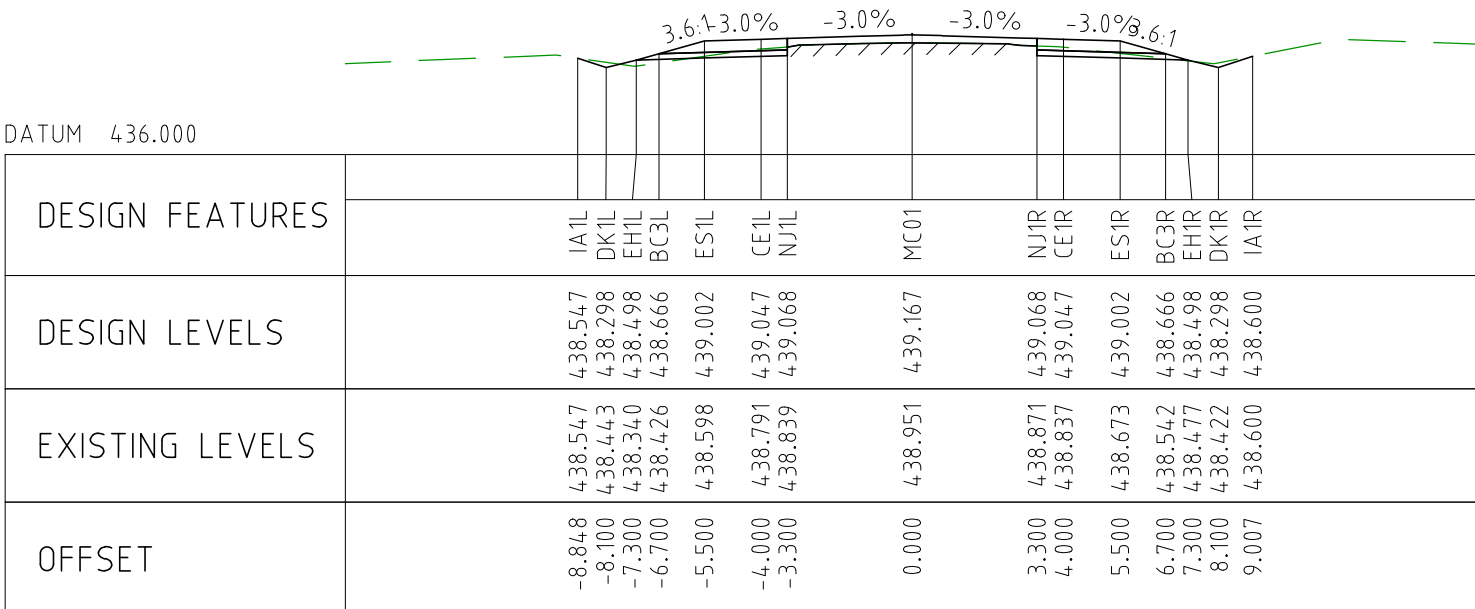
CHAINAGE 18450



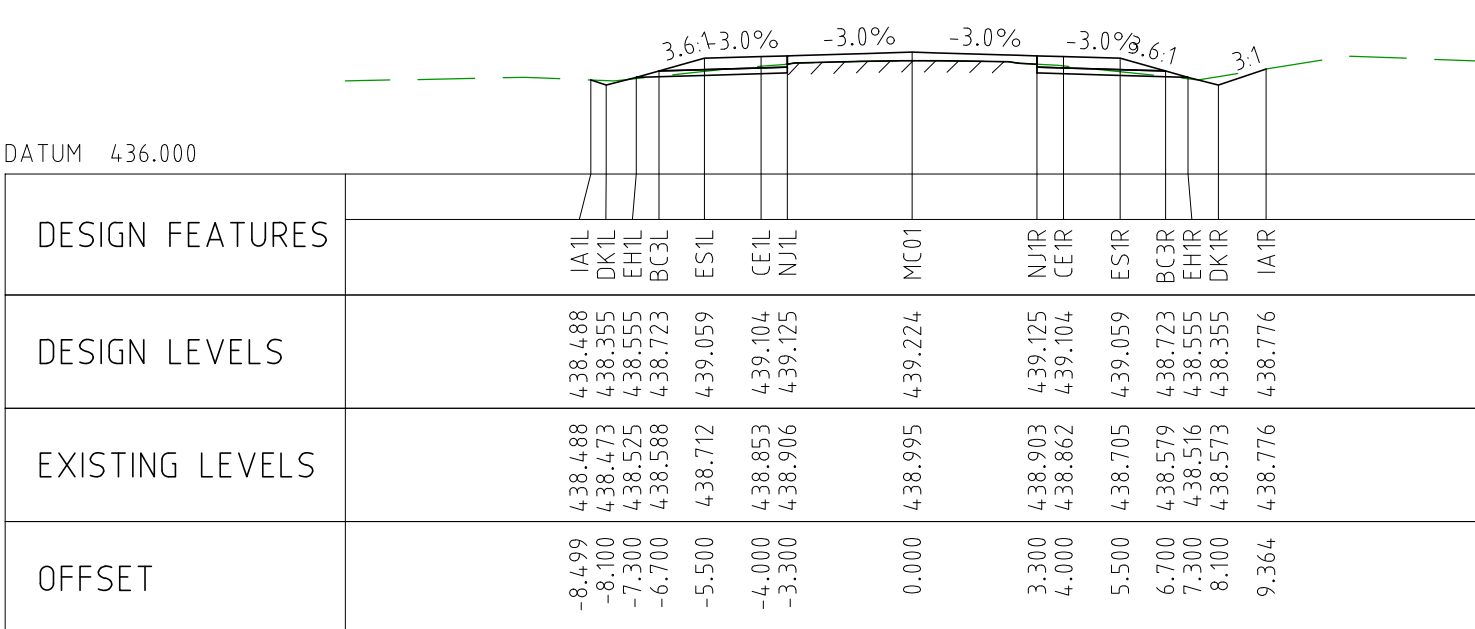
CHAINAGE 18400



CHAINAGE 18350






CHAINAGE 18300

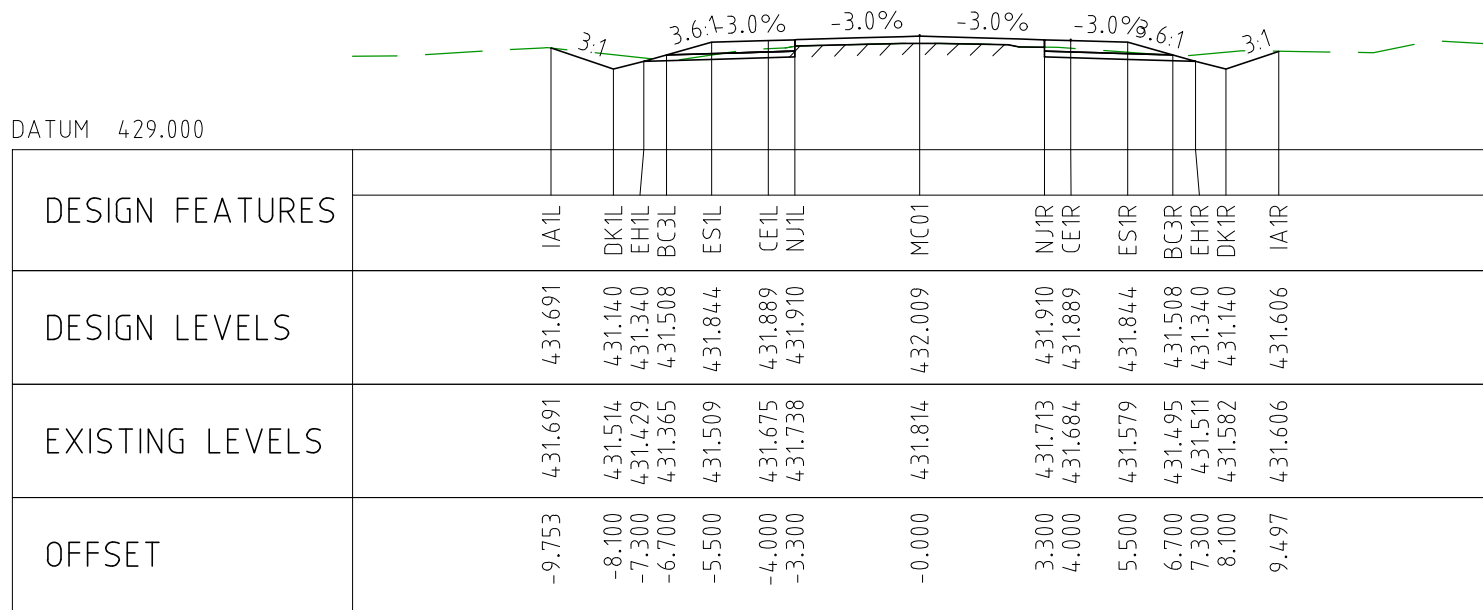


CHAINAGE 18250

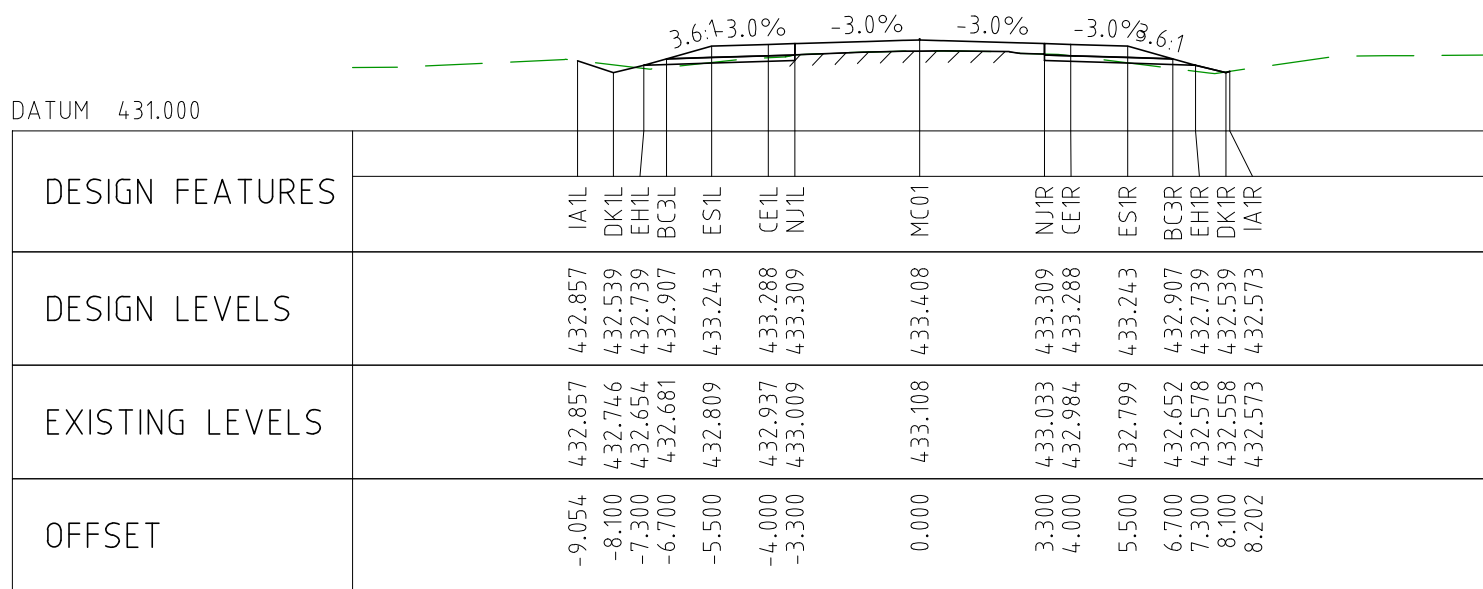
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

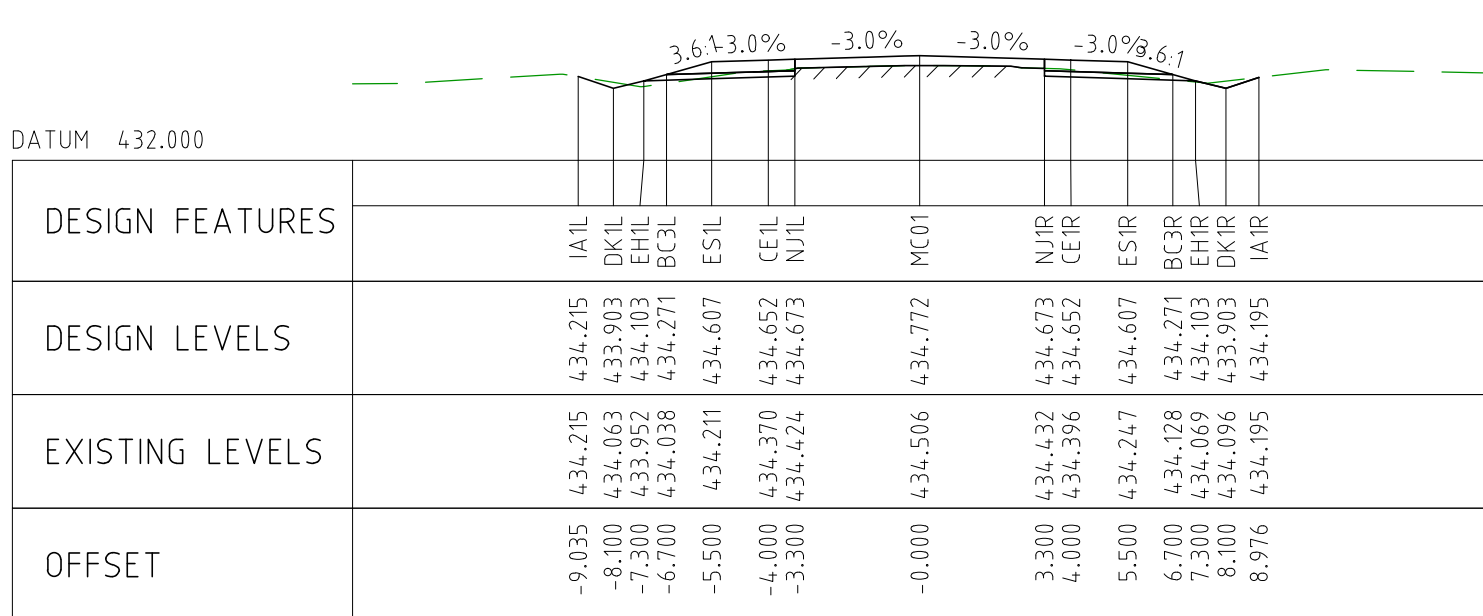
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS25.dwg					PLOT DATE 04 Nov 2022		TIME 12:19:02		CLIENT DOCUMENT No COV-M040-CI-DWG-0137										
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:200</div> <div></div>		<div>DESIGNER</div> <div>SMC</div> <div>Member of the Surbana Jurong Group</div> <div>© ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div></div>		<div>PROJECT TITLE</div> <div>MOUNT HOLLAND LITHIUM MINE</div> <div>PARKER RANGE ROAD</div> <div>CROSS SECTIONS - MC01</div> <div>SHEET 25 OF 41</div>		SCALE	PHASE	PROJECT / DRAWING No	REVISION
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW									1:200	DETAILED	3006493-XS25	0
						DRAFTING CHECK	TM												
						DESIGNER	TM												
						DESIGN CHECK	TM												
						PROJECT MANAGER	DM												
					PROJECT DIRECTOR	RJ													



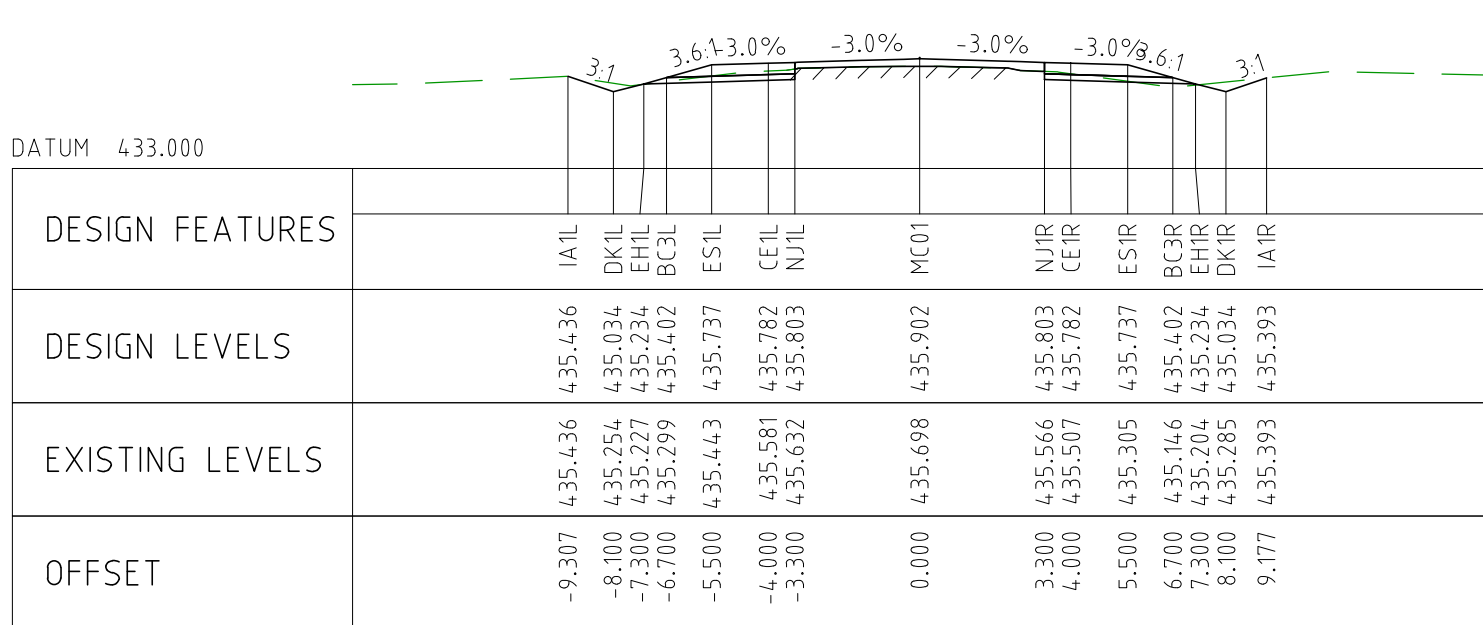
CHAINAGE 18700



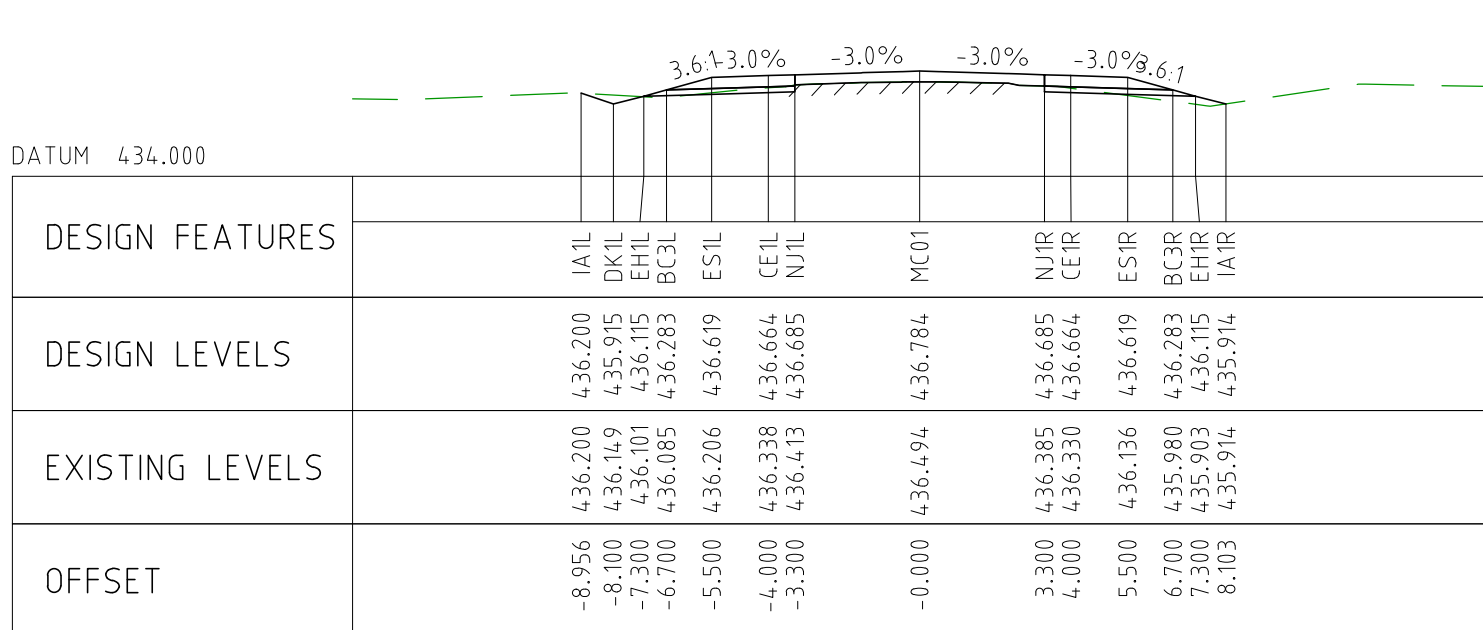
CHAINAGE 18650



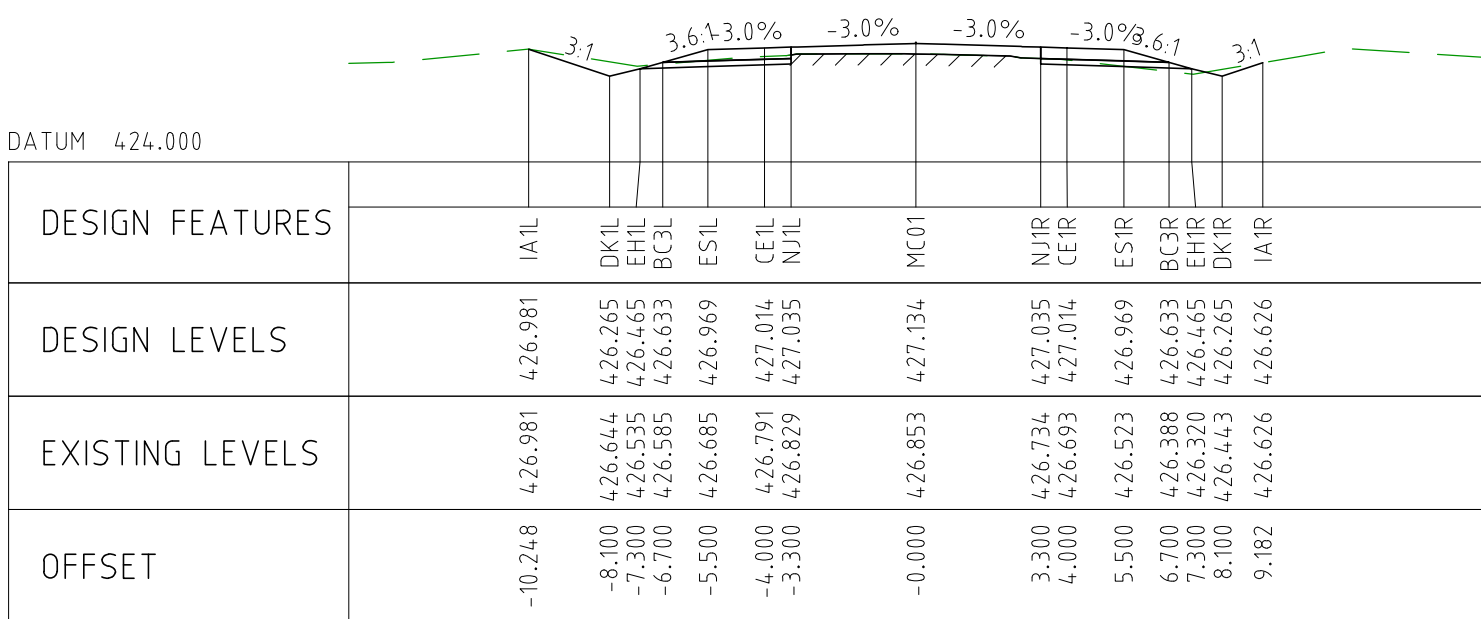
CHAINAGE 18600



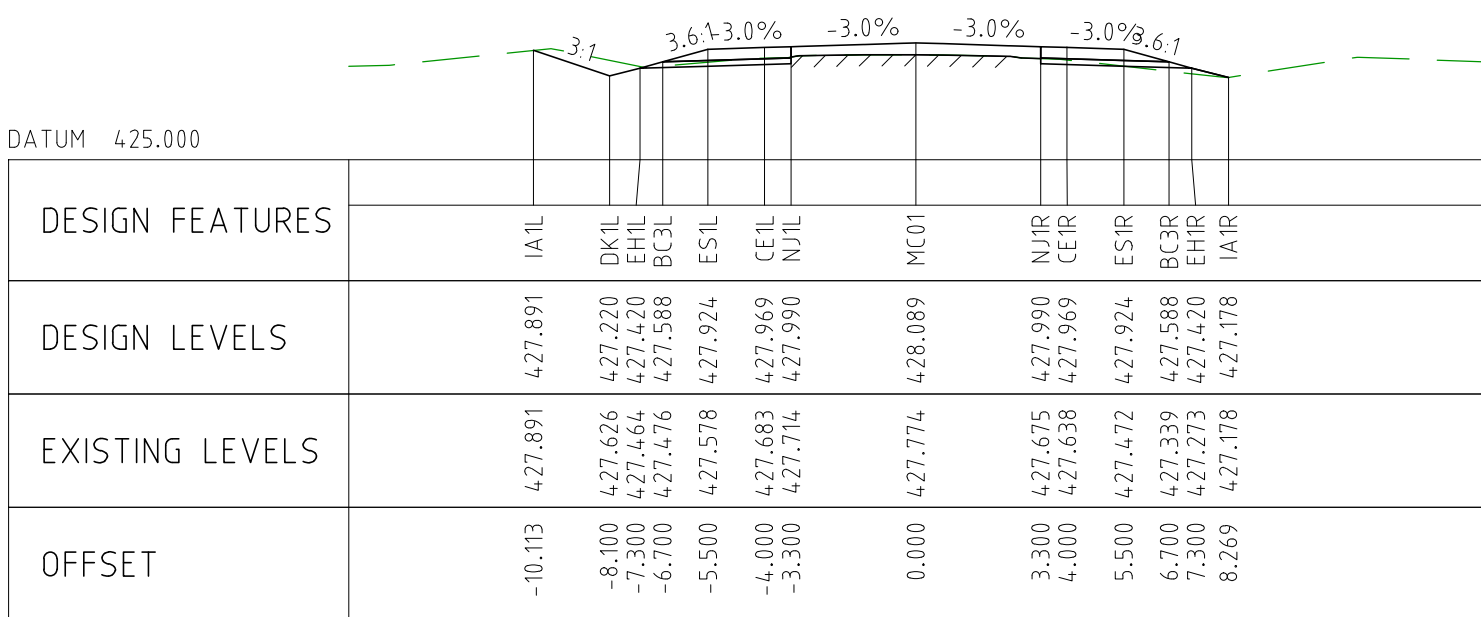
CHAINAGE 18550



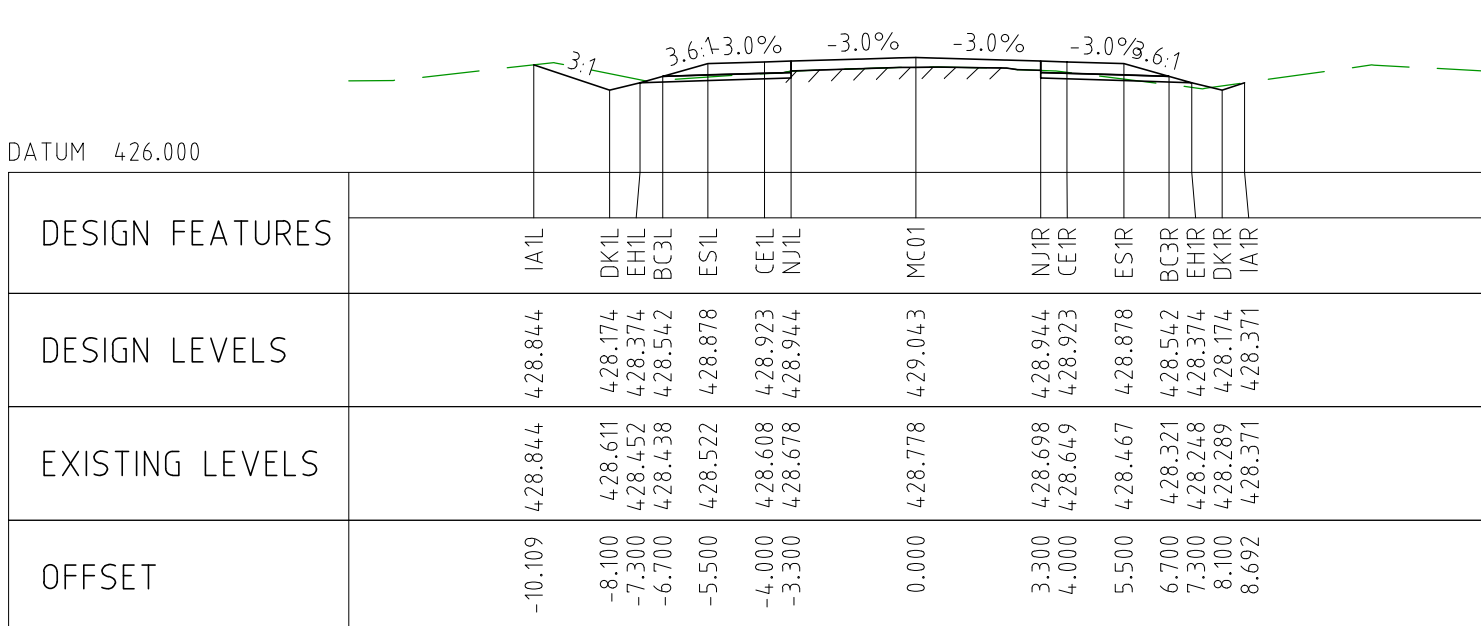
CHAINAGE 18500



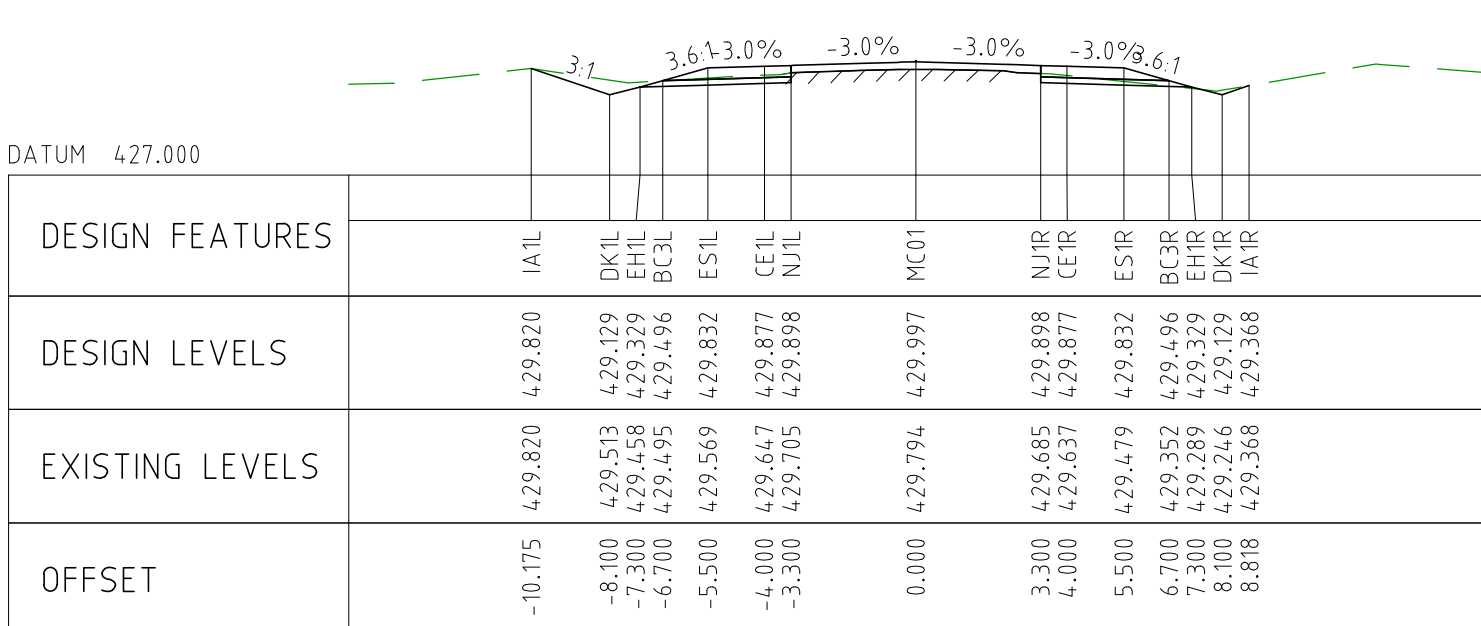
CHAINAGE 18950



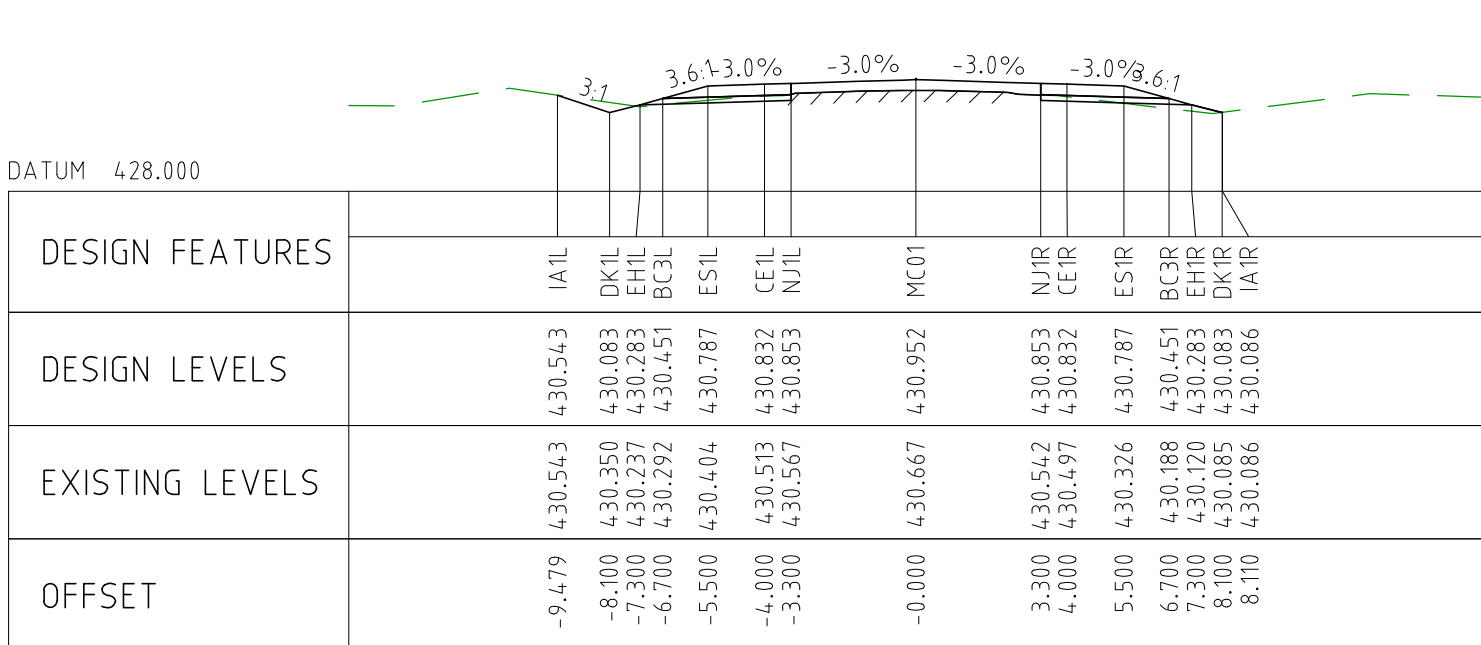
CHAINAGE 18900



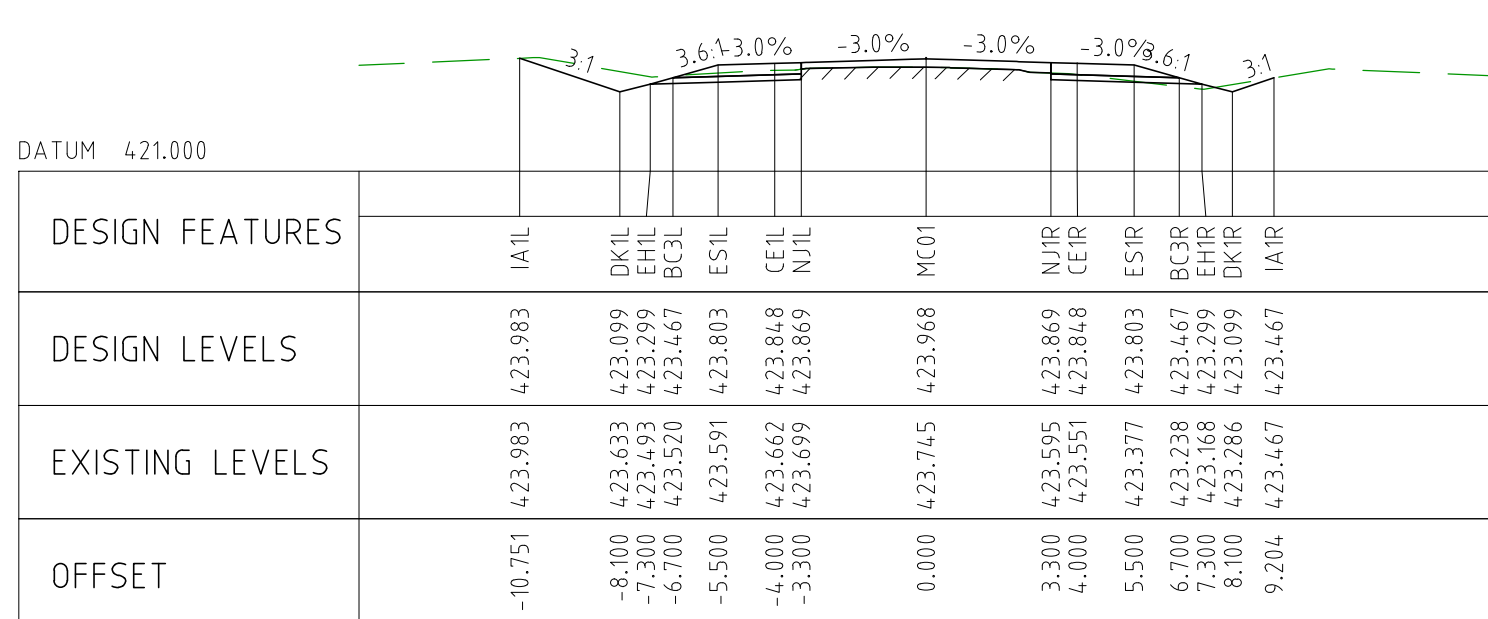
CHAINAGE 18850



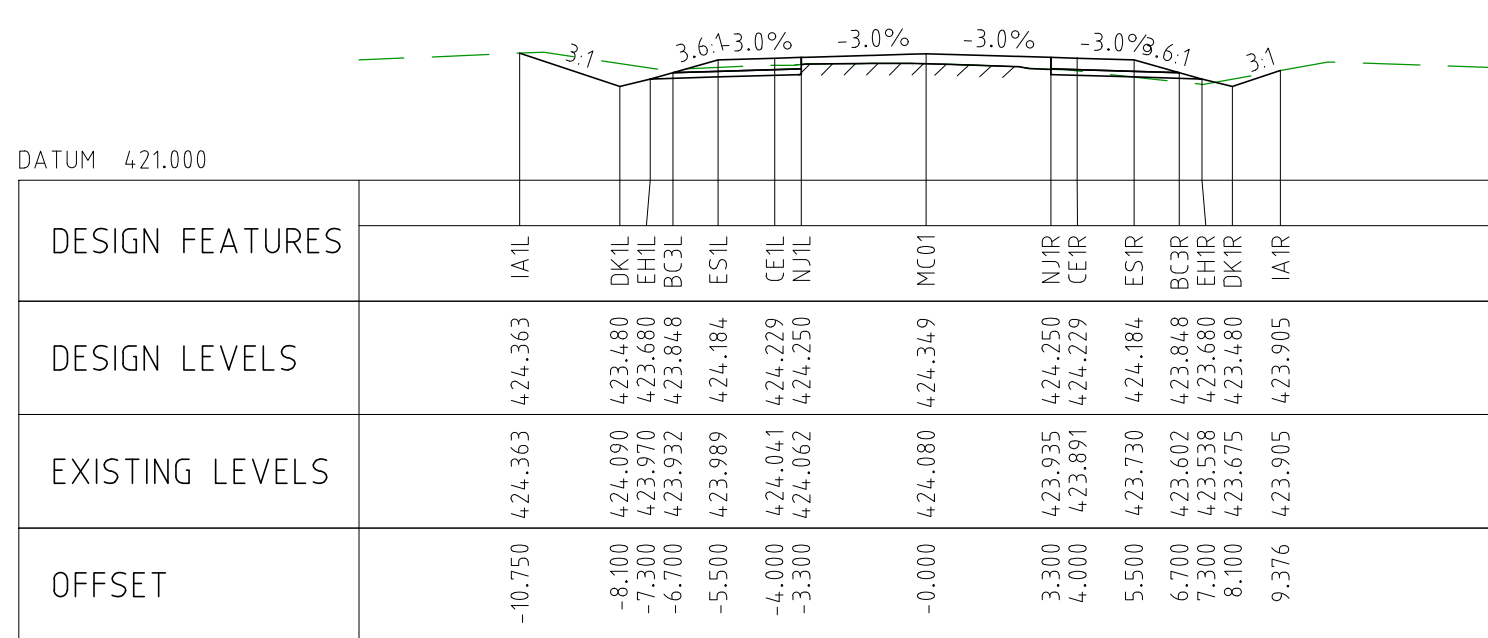
CHAINAGE 18800



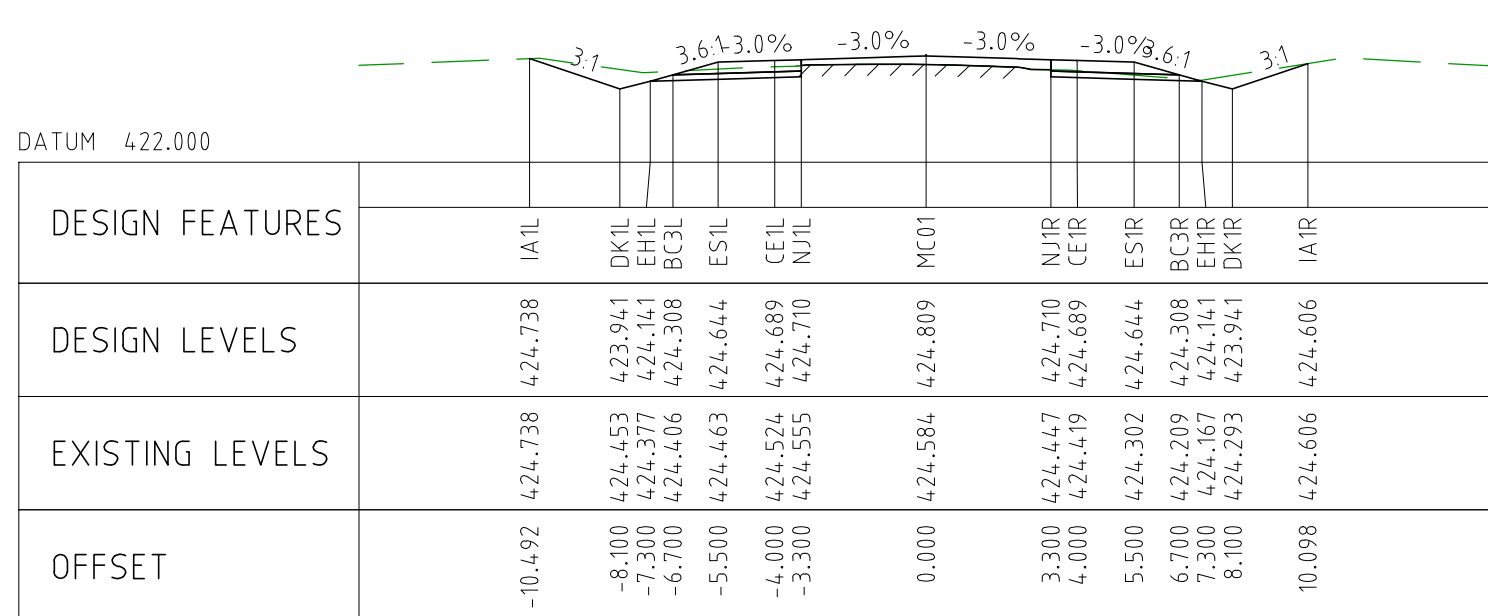
CHAINAGE 18750



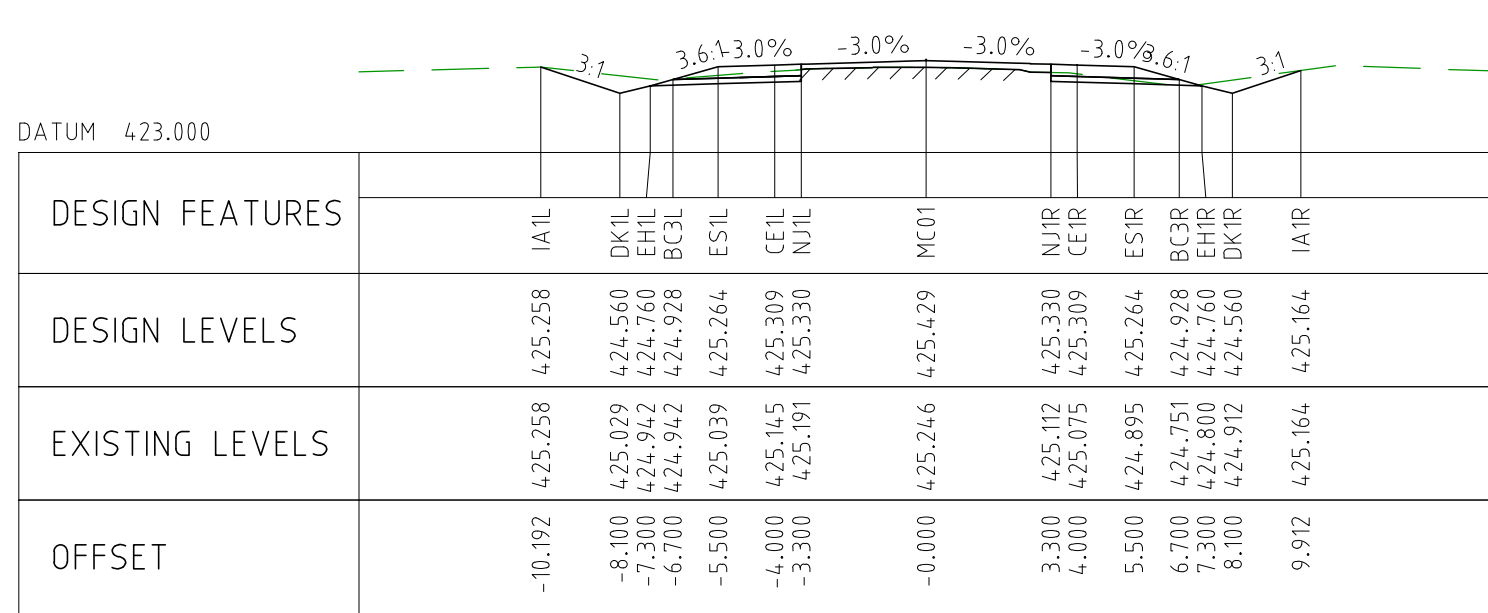
CHAINAGE 19200



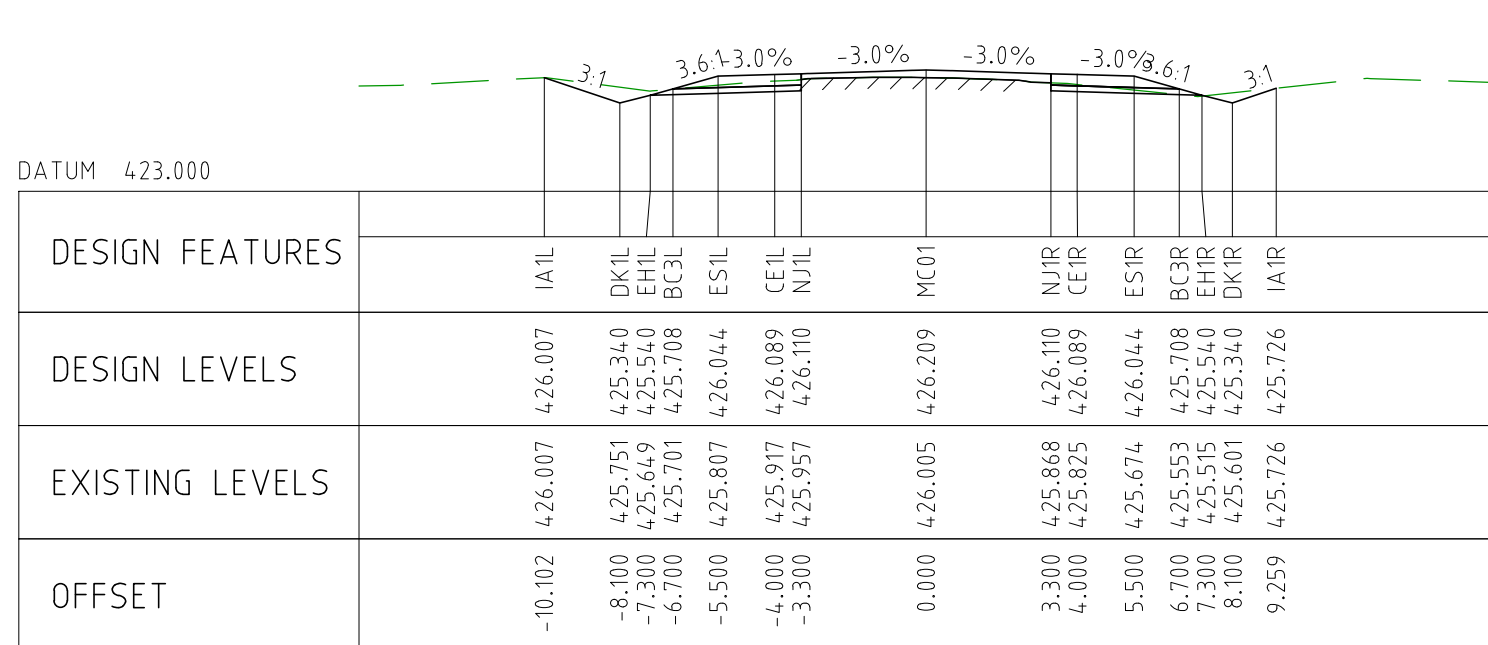
CHAINAGE 19150



CHAINAGE 19100



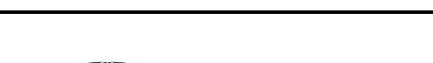

CHAINAGE 19050

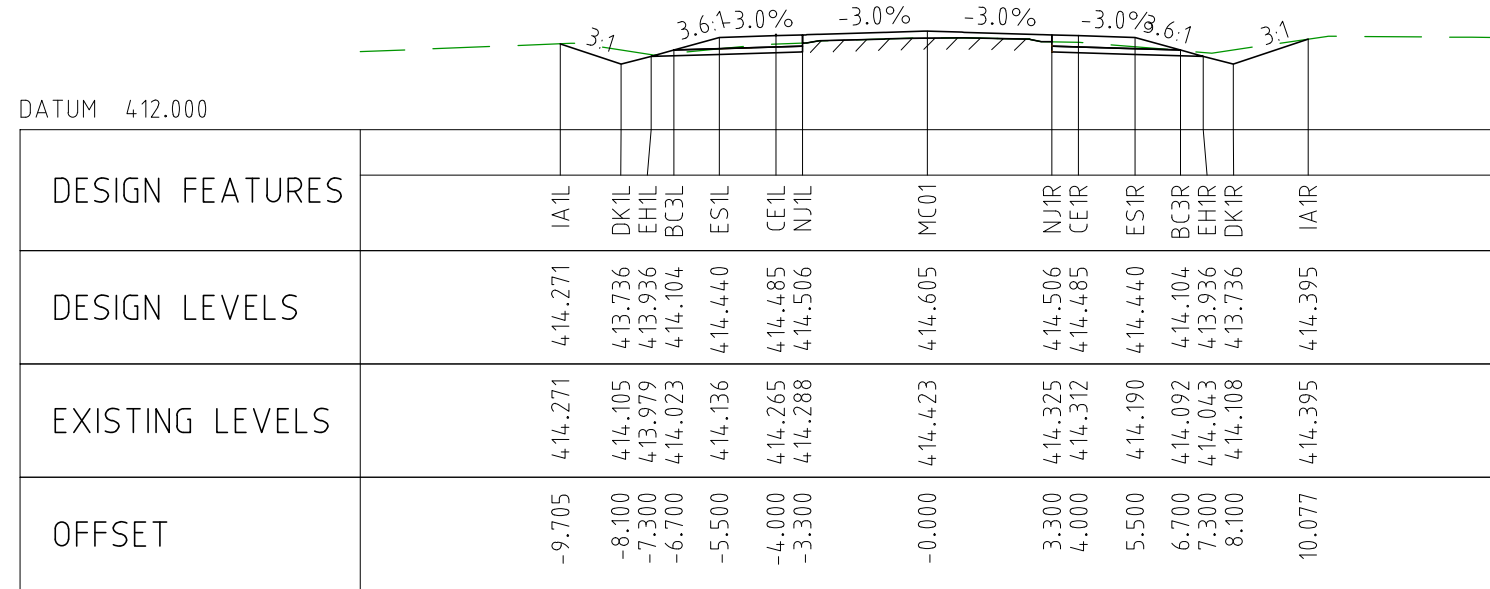


CHAINAGE 19000

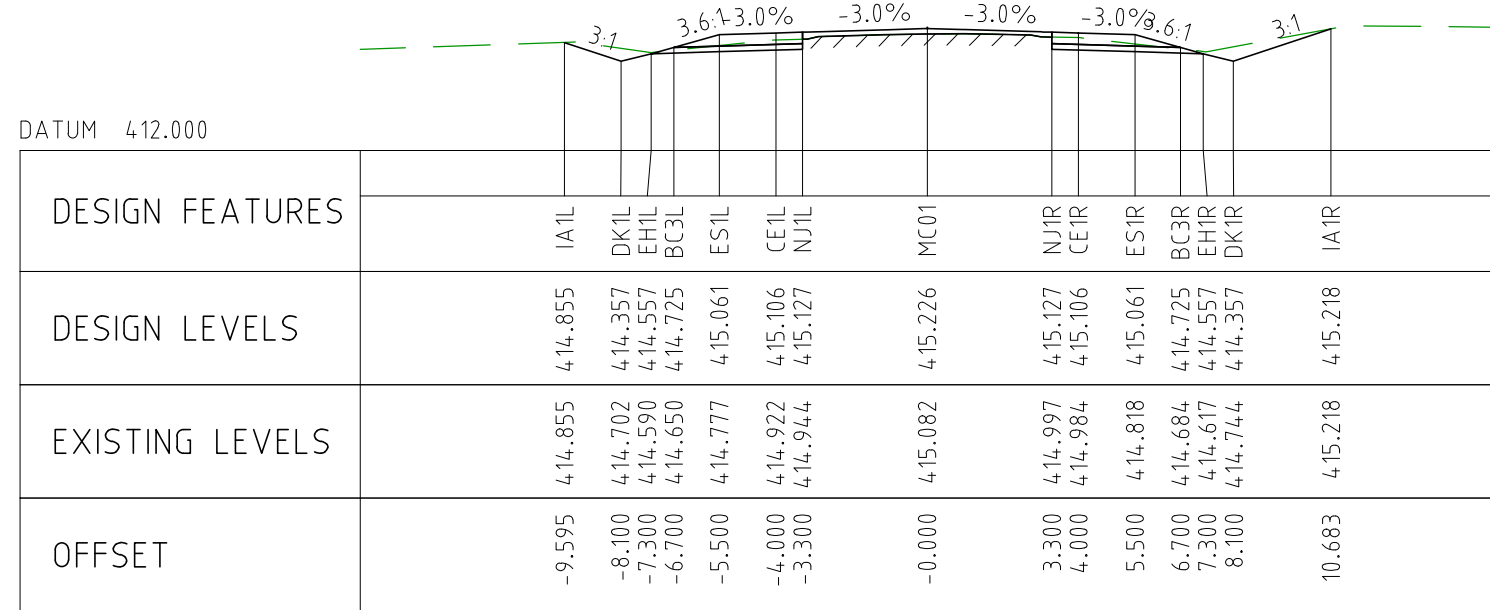
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

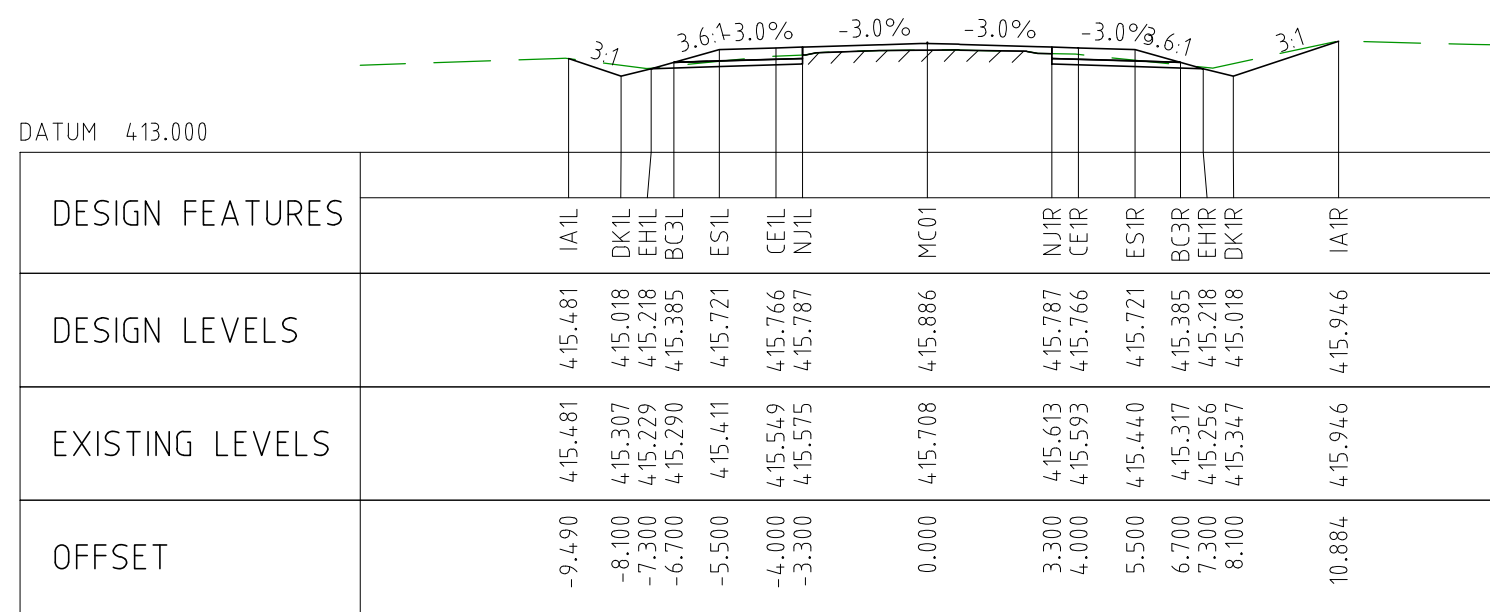
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS26.dwg					PLOT DATE 04 Nov 2022		TIME 12:19:43		CLIENT DOCUMENT No COV-M040-CI-DWG-0138					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div>	<div> Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493</div>		<div></div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 26 OF 41	
		DRAFTING CHECK	TM											
		DESIGNER	TM											
		DESIGN CHECK	TM											
		PROJECT MANAGER	DM											
		PROJECT DIRECTOR	RJ											
		SCALE 1:200		DETAILED		PROJECT / DRAWING No 3006493-XS26		REVISION 0						



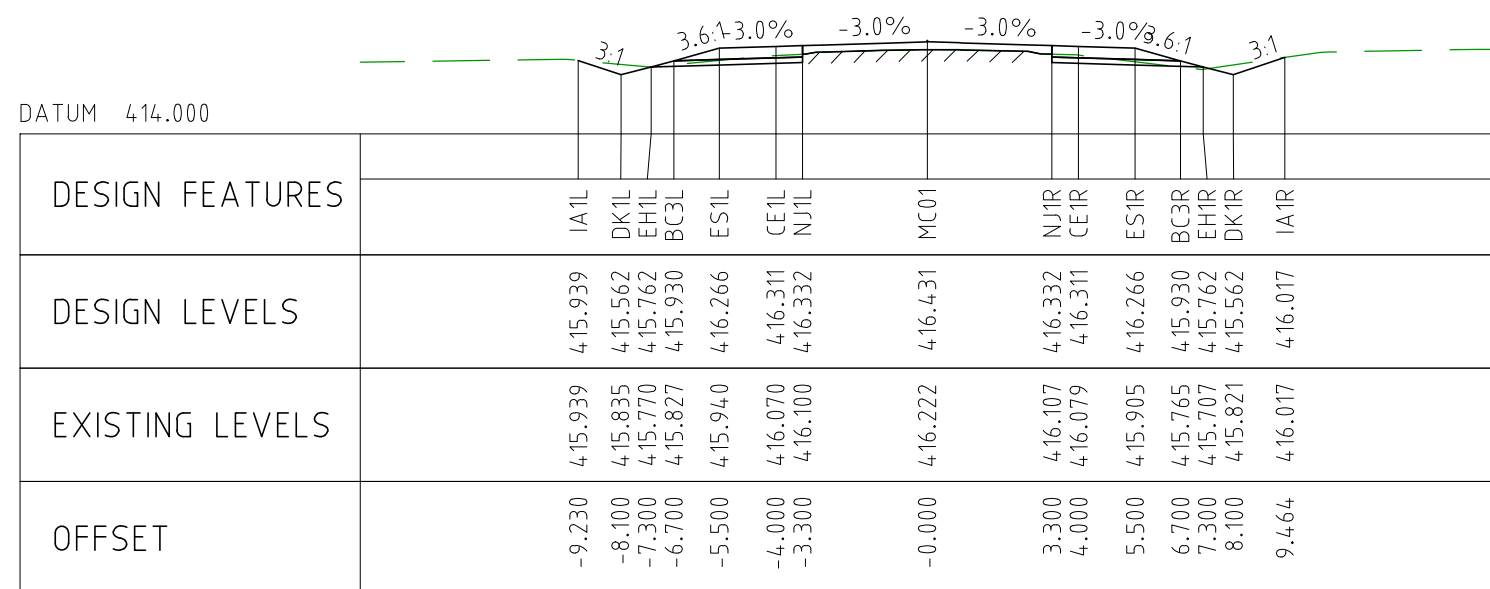
CHAINAGE 20200



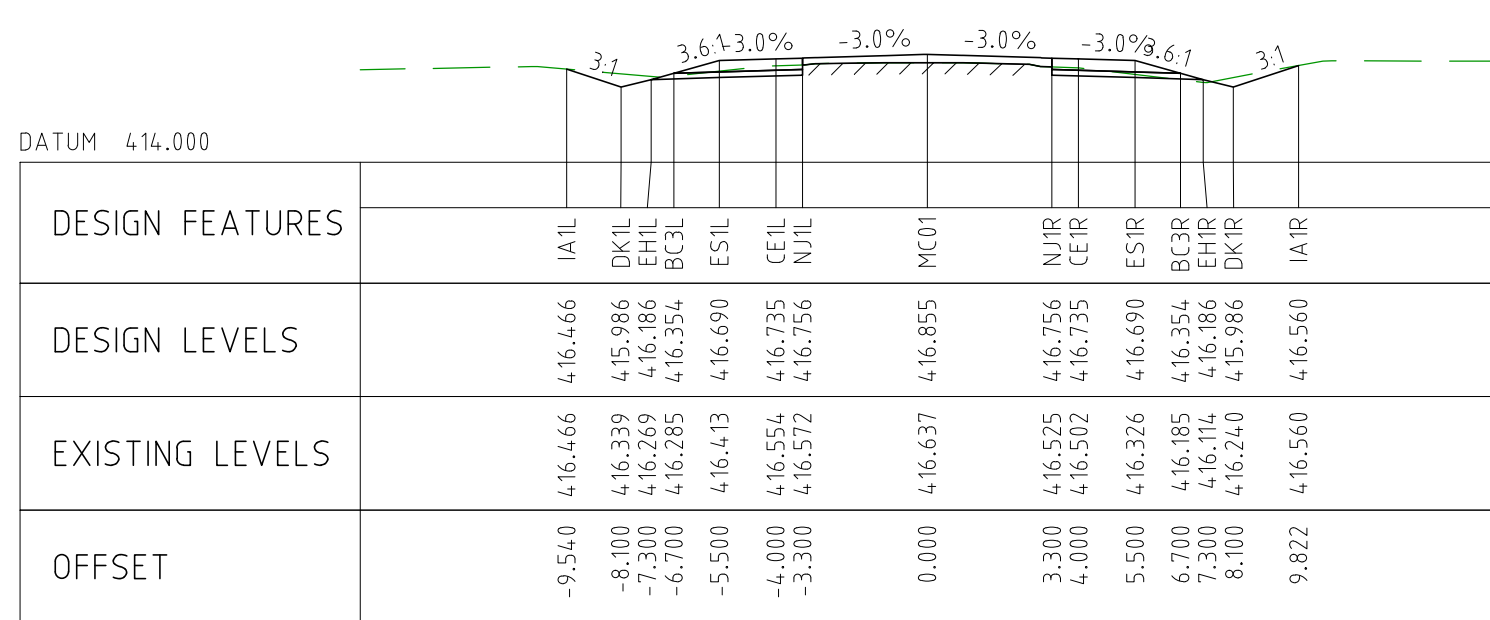
CHAINAGE 20150



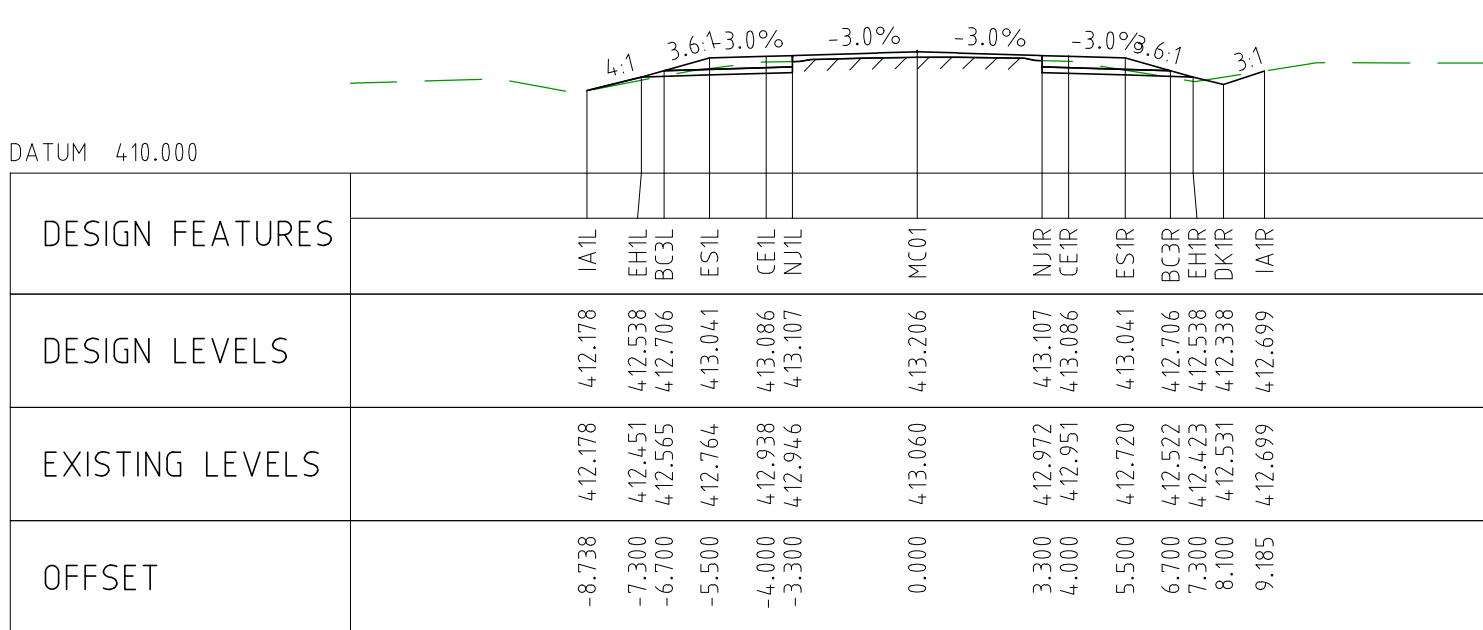
CHAINAGE 20100



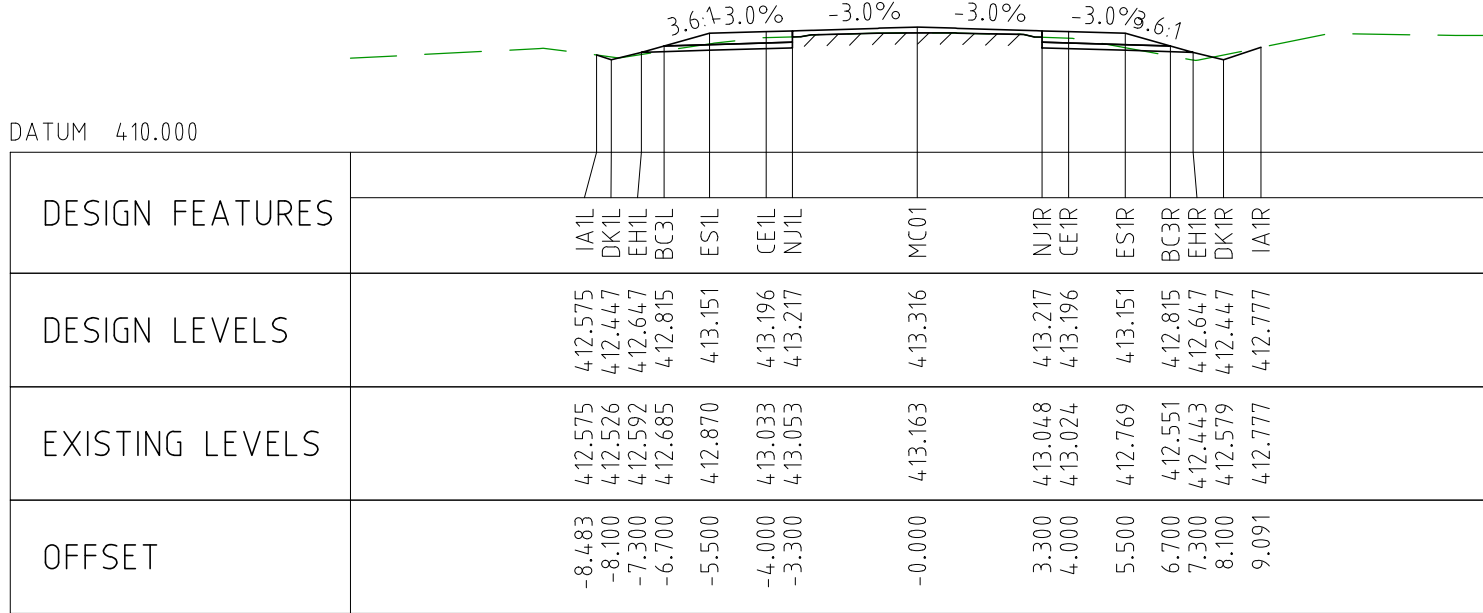
CHAINAGE 20050



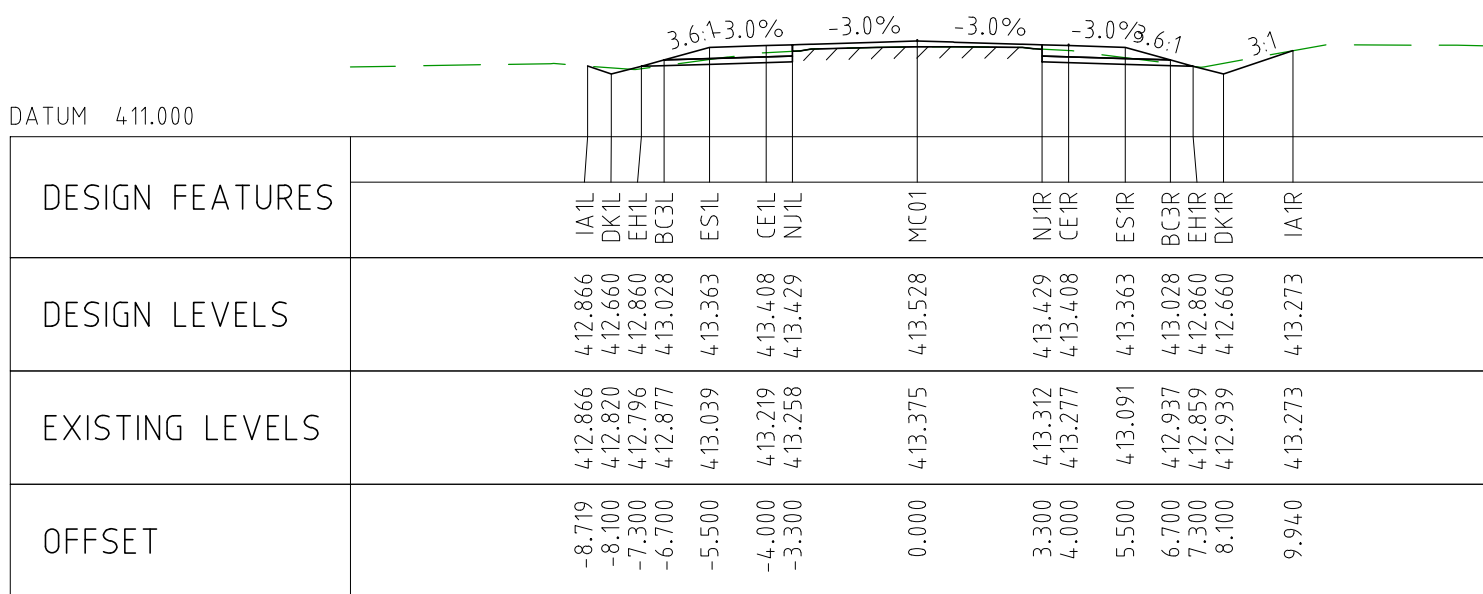
CHAINAGE 20000



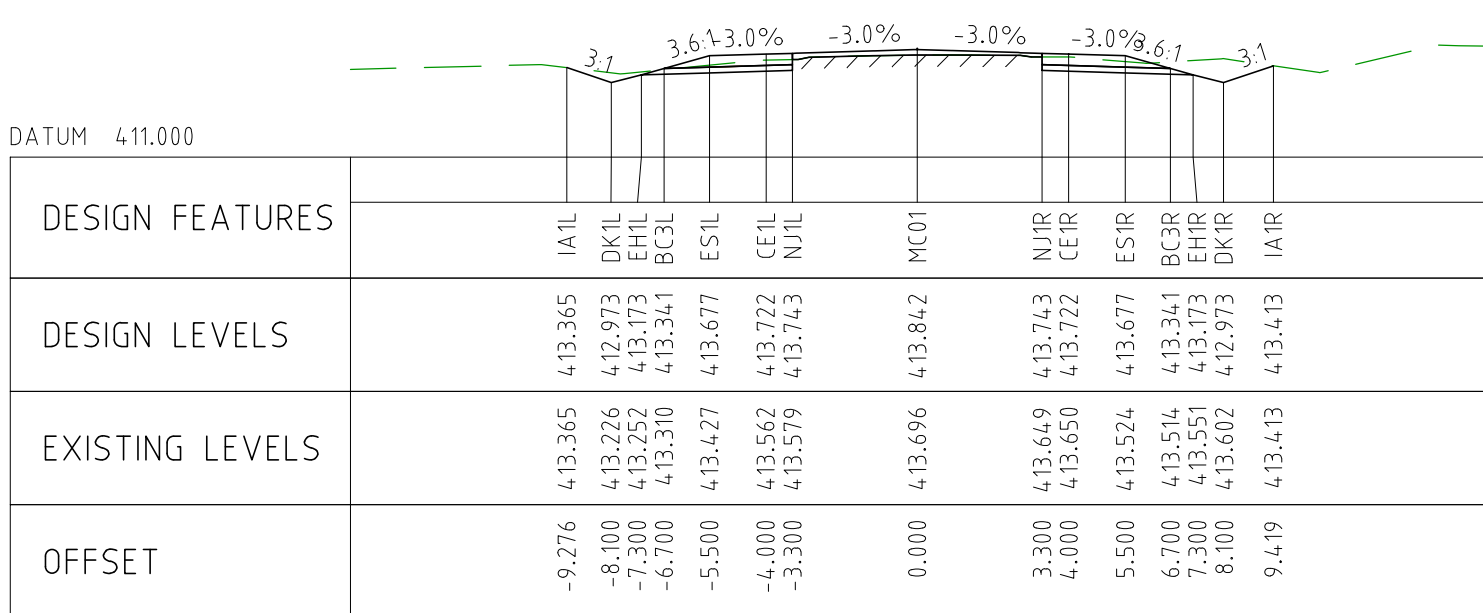
CHAINAGE 20450



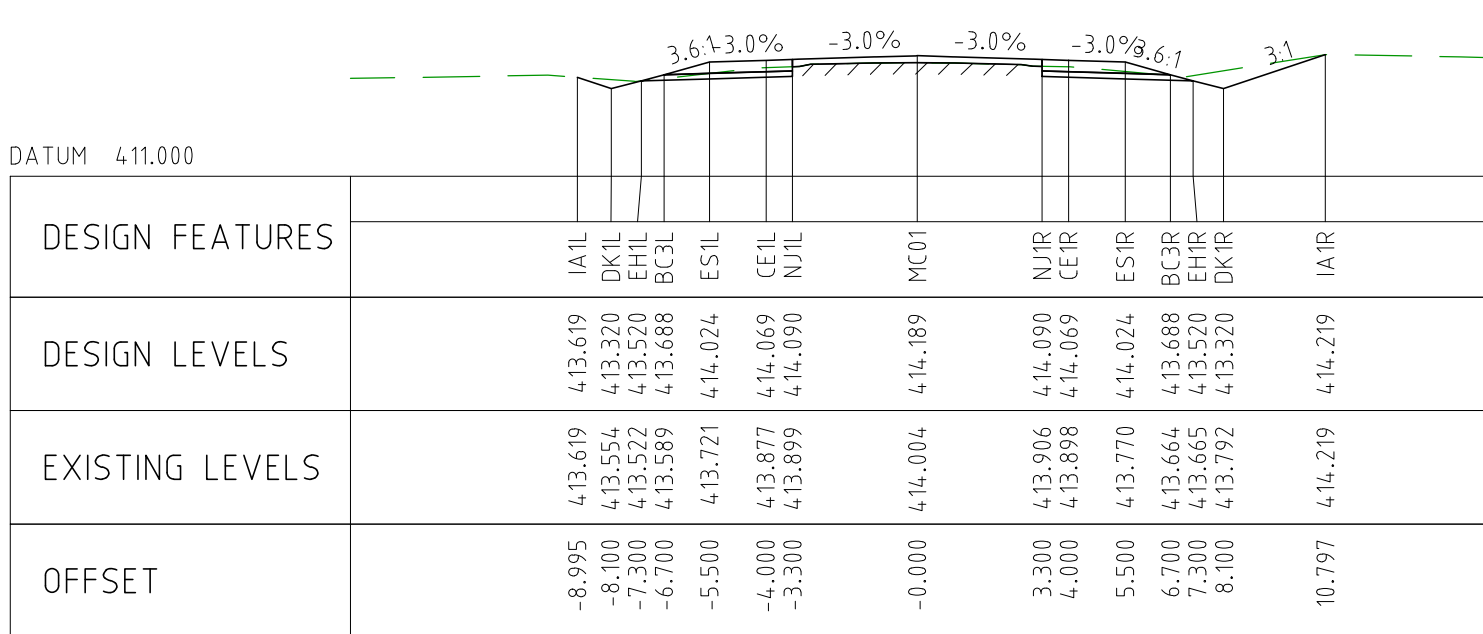
CHAINAGE 20400



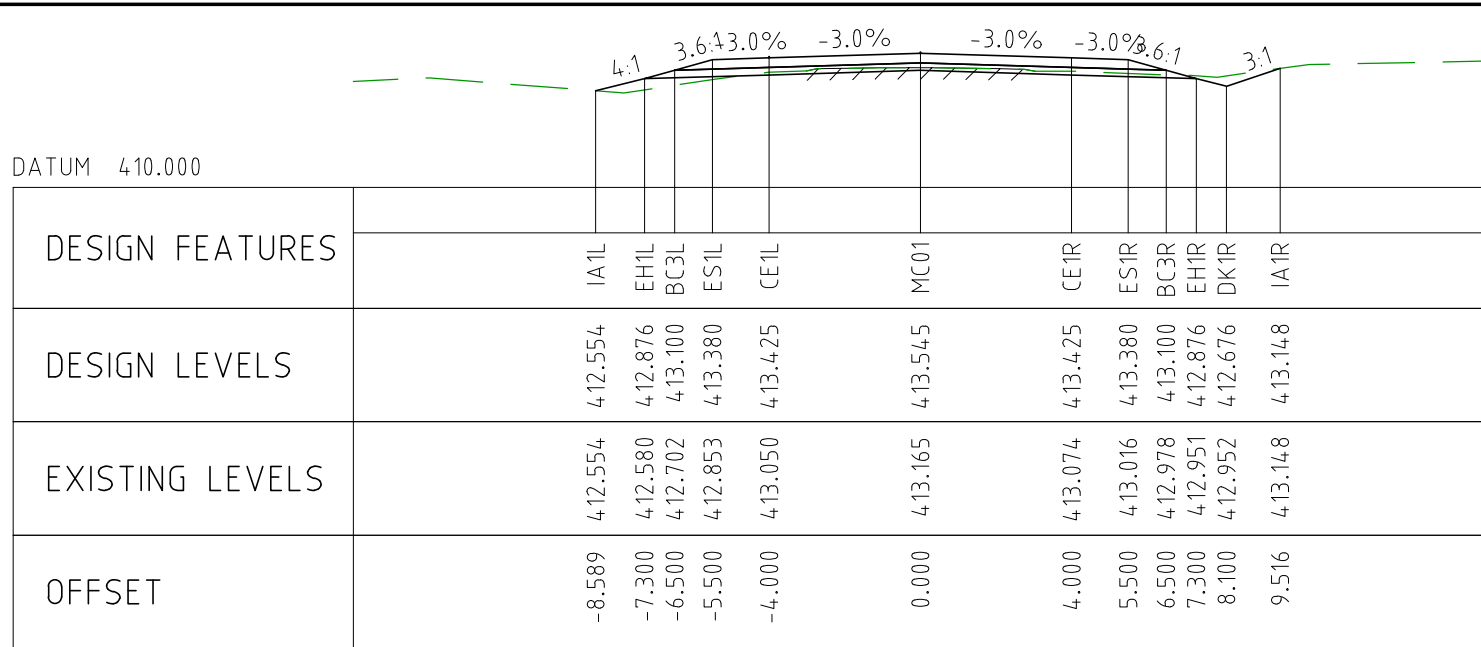
CHAINAGE 20350



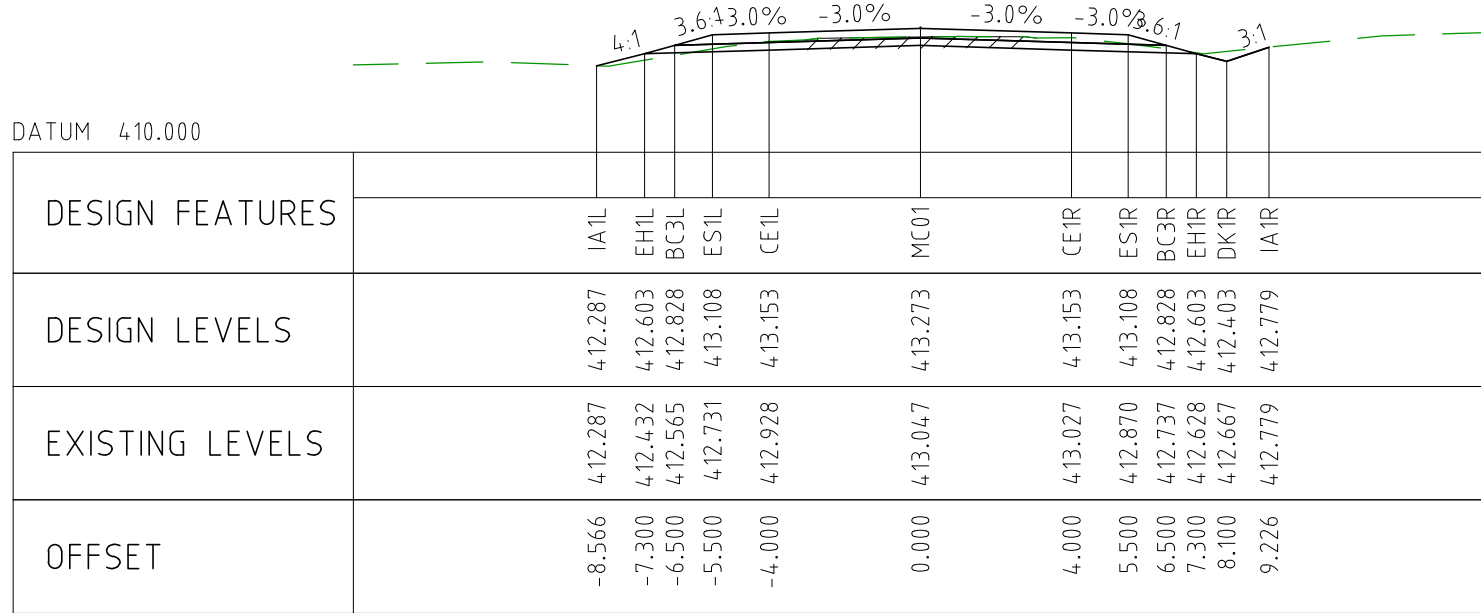
CHAINAGE 20300



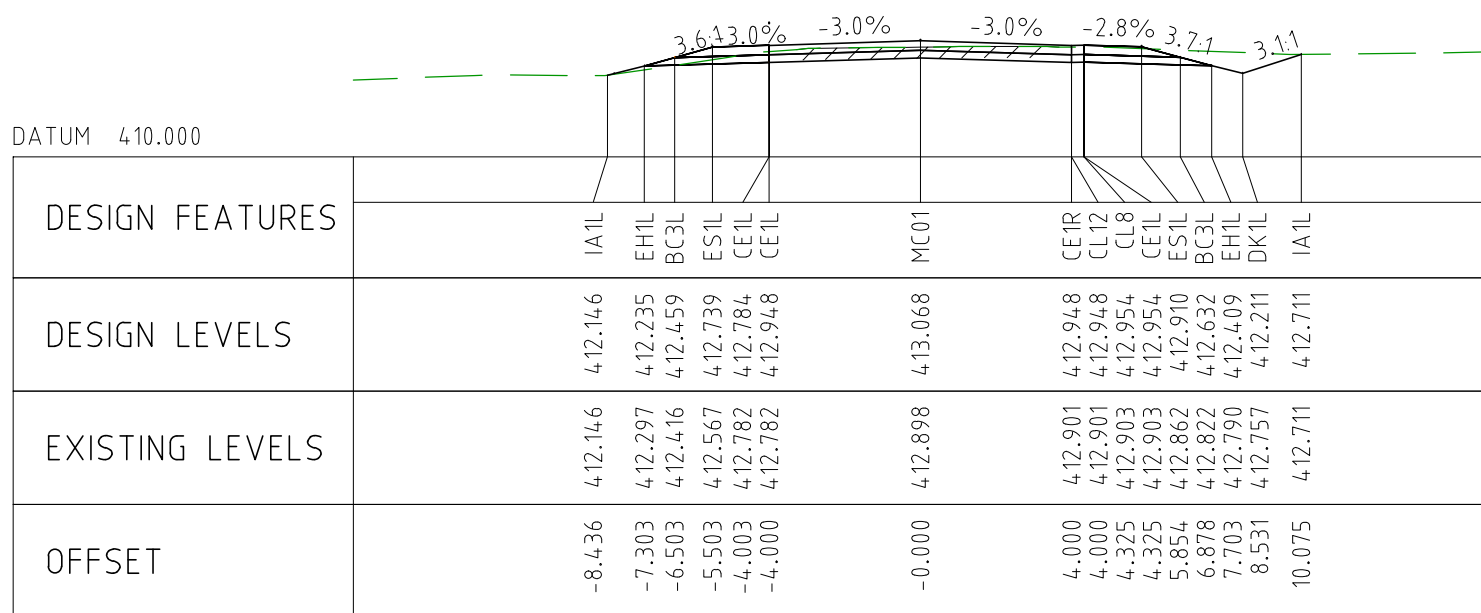
CHAINAGE 20250



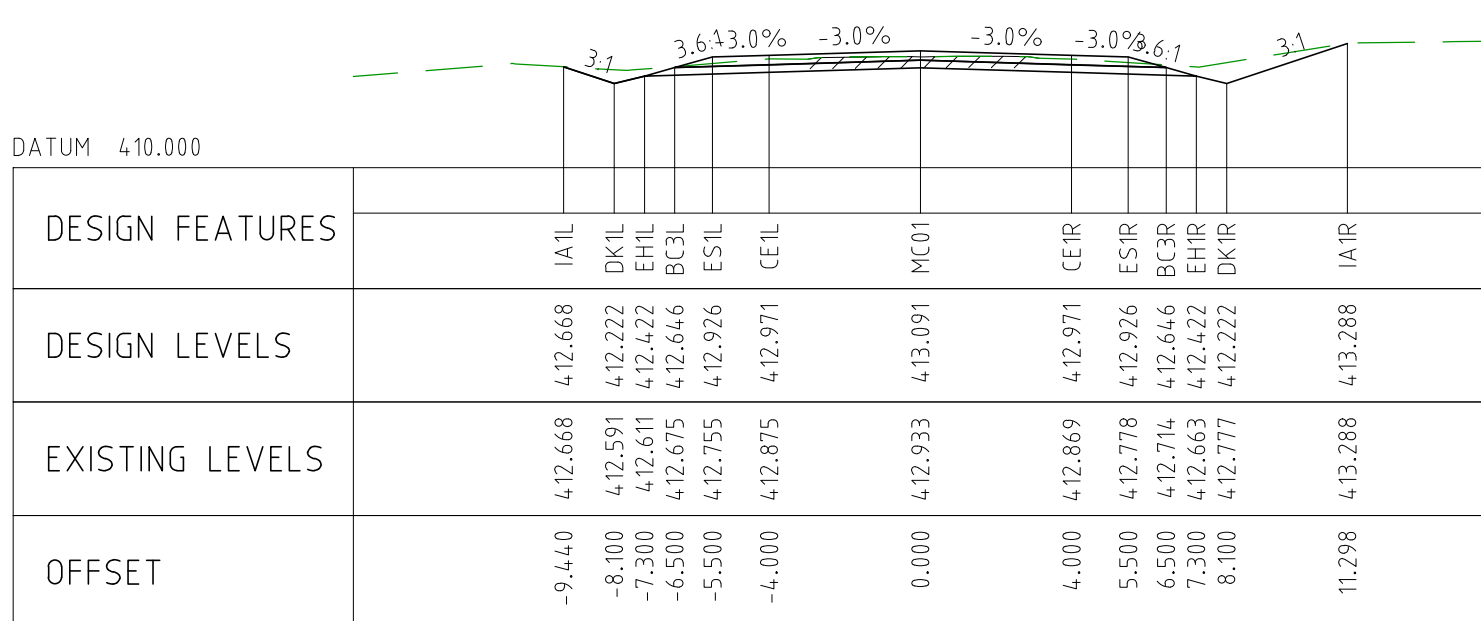
CHAINAGE 20700



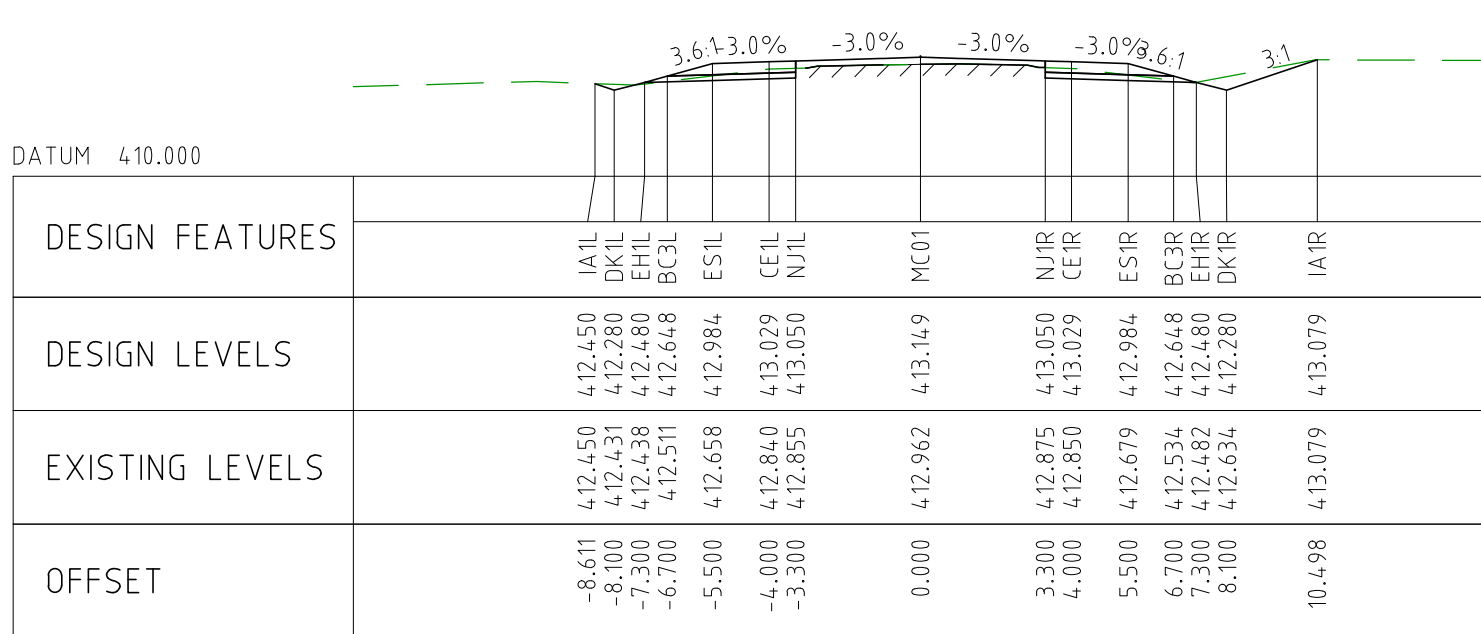
CHAINAGE 20650



CHAINAGE 20600



CHAINAGE 20550

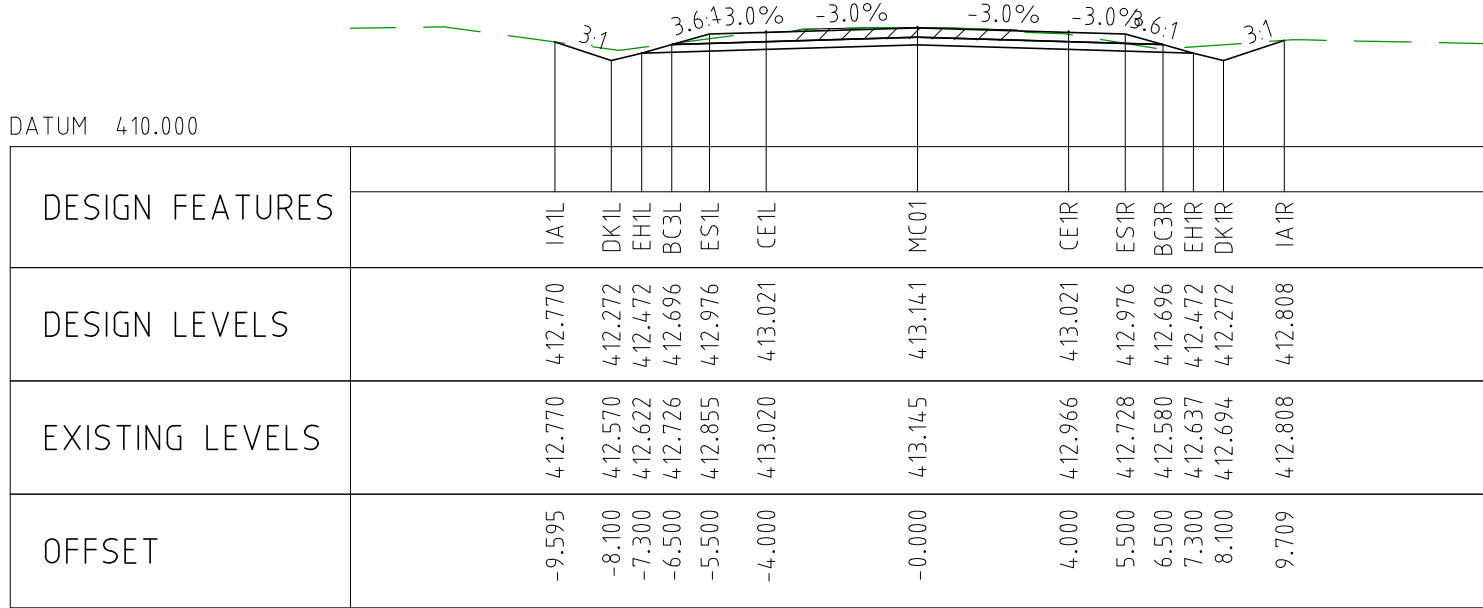


CHAINAGE 20500

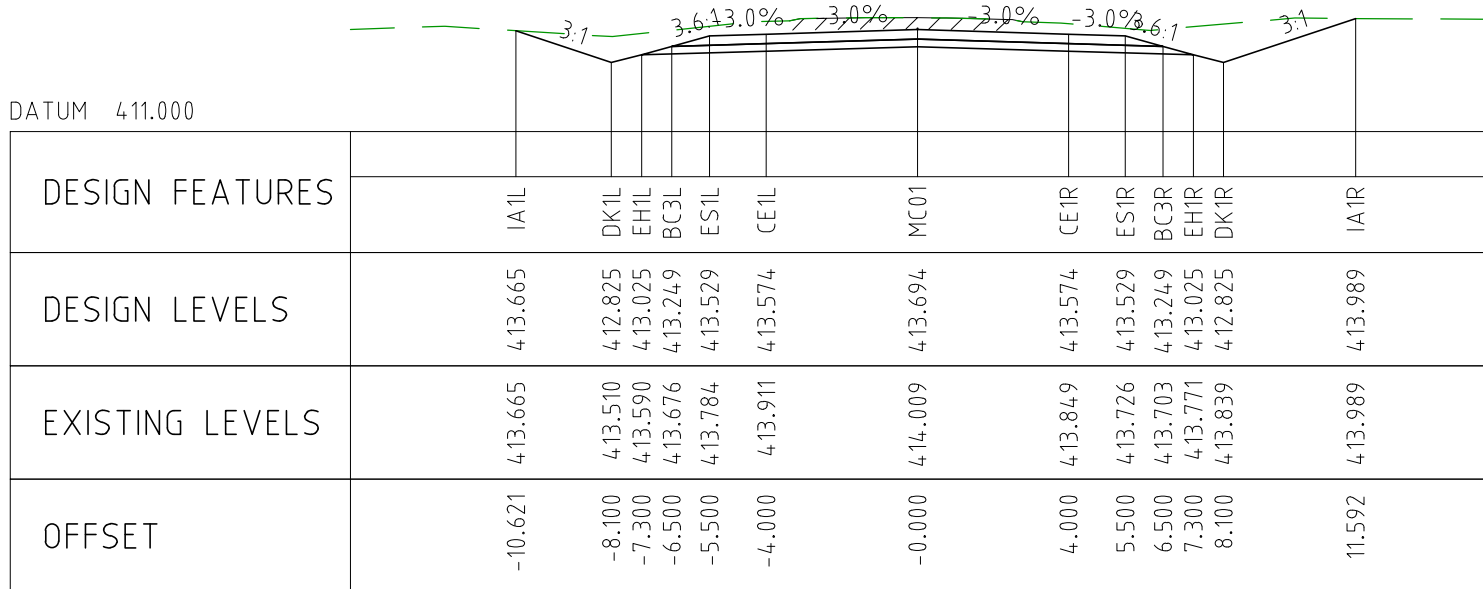
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

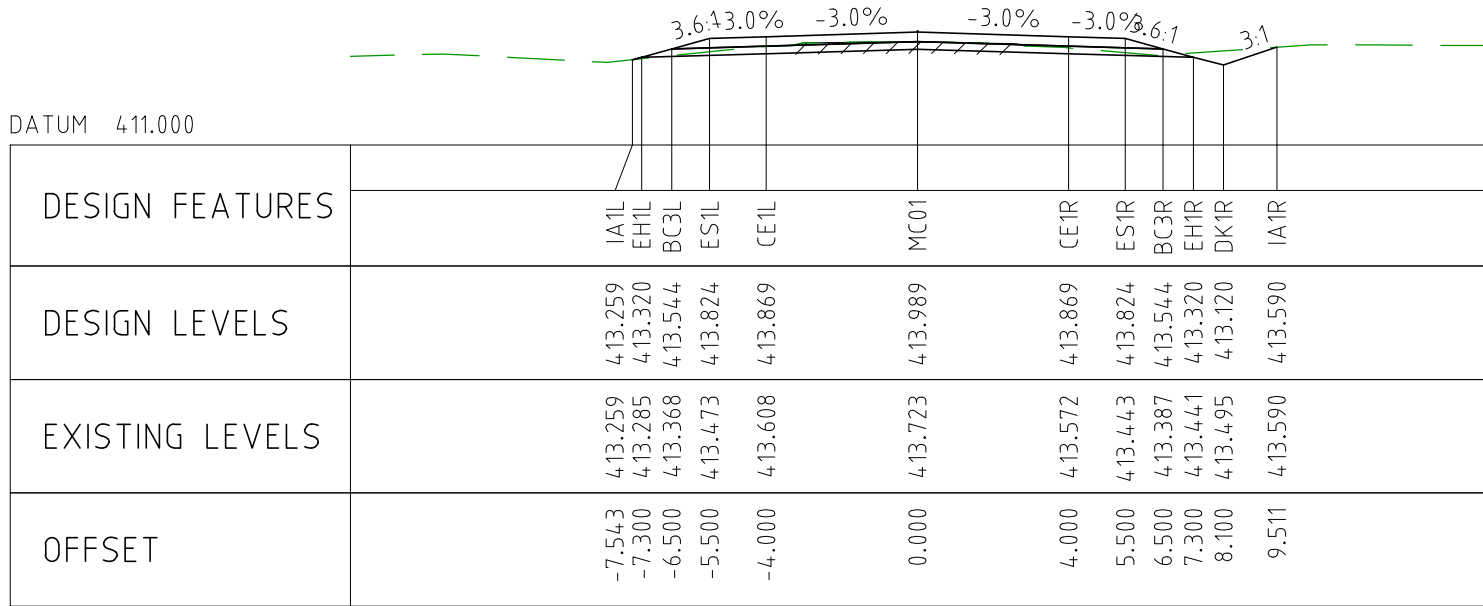
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS28.dwg					PLOT DATE 04 Nov 2022		TIME 12:20:55		CLIENT DOCUMENT No COV-M040-CI-DWG-0140							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493				PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 28 OF 41	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW								
							DRAFTING CHECK	TM								
							DESIGNER	TM								
							DESIGN CHECK	TM								
							PROJECT MANAGER	DM								
							PROJECT DIRECTOR	RI								



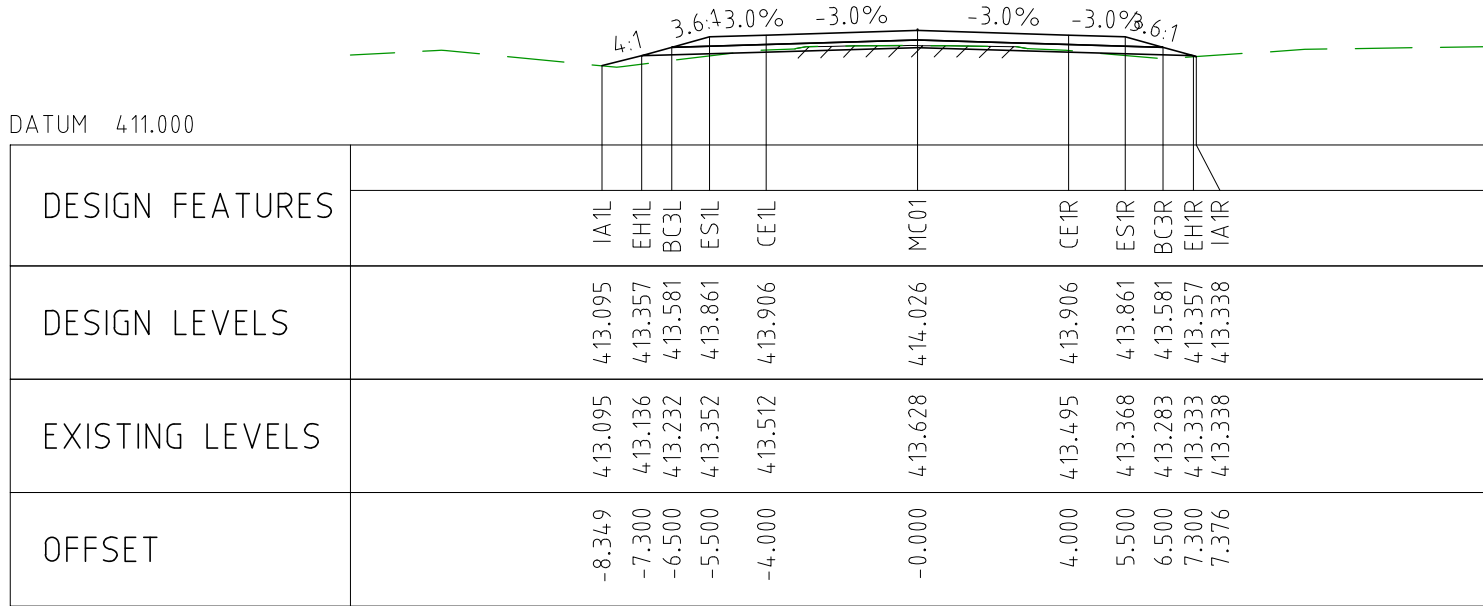
CHAINAGE 20950



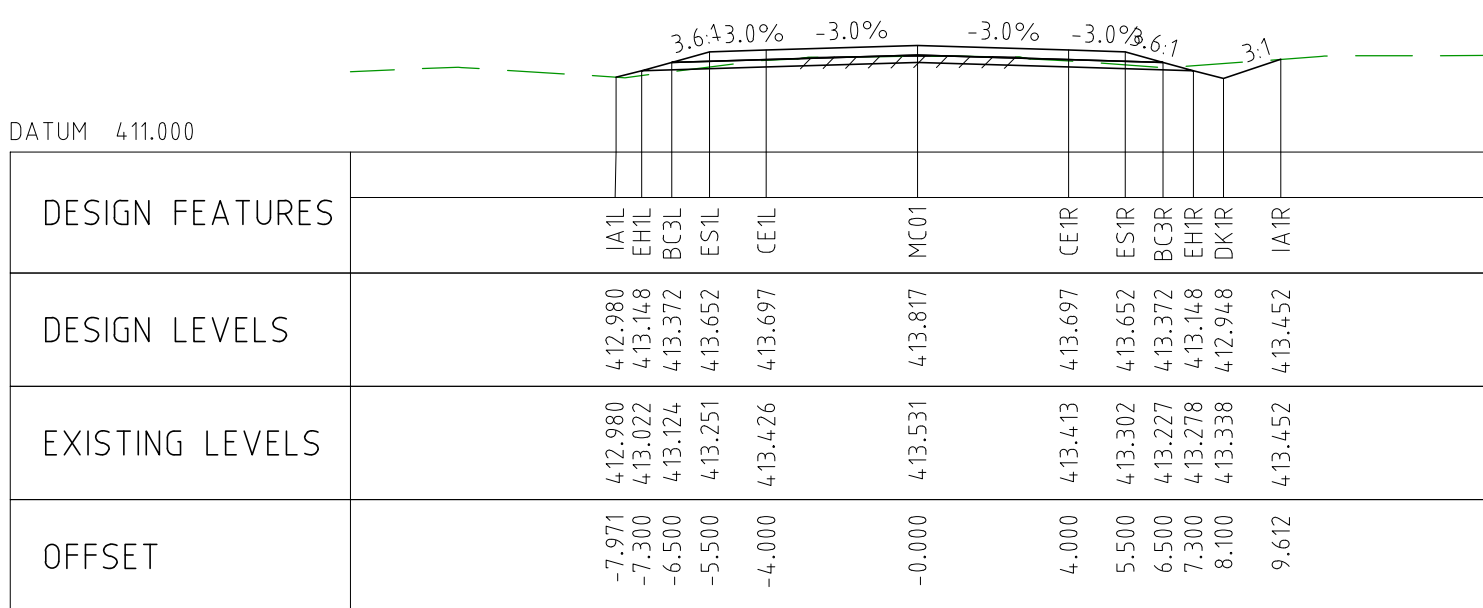
CHAINAGE 20900



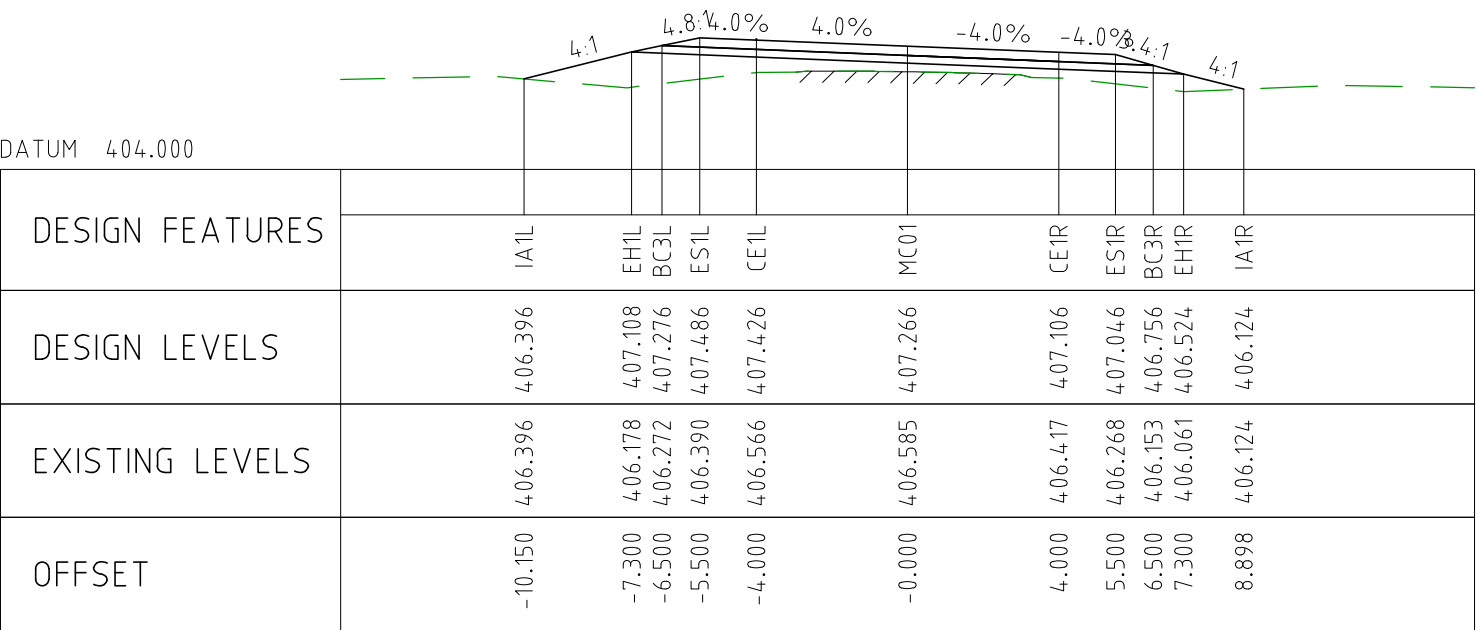
CHAINAGE 20850



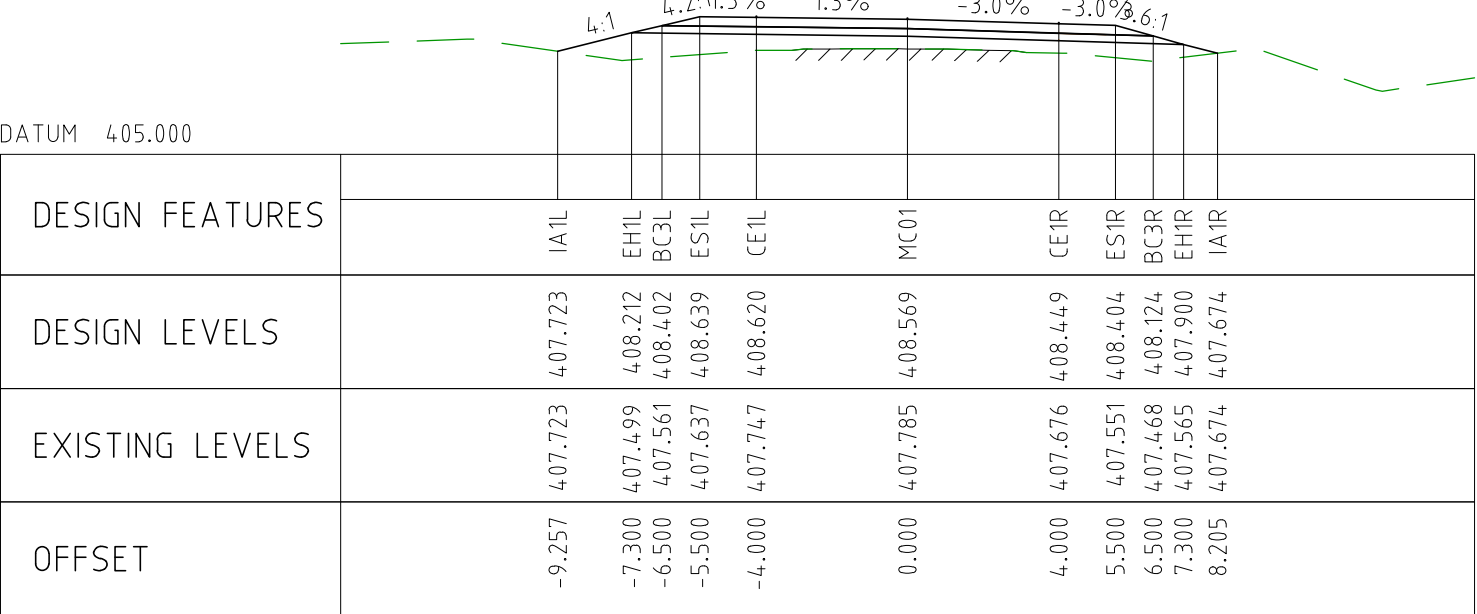
CHAINAGE 20800



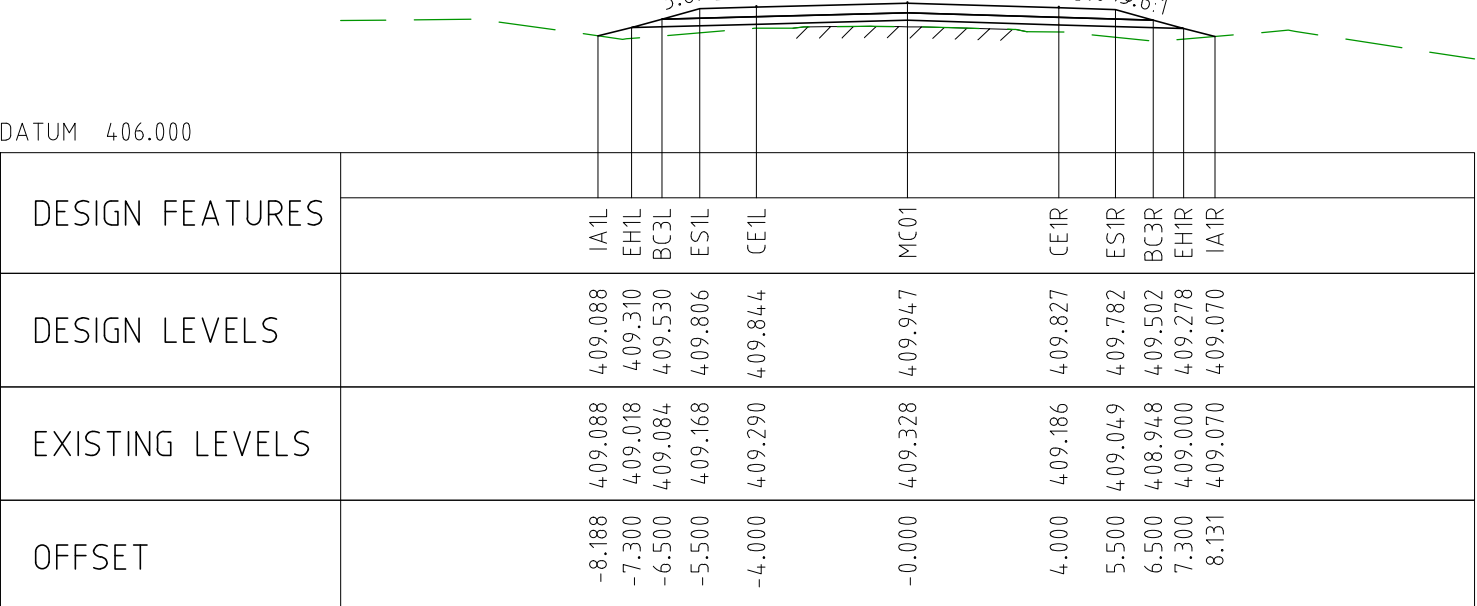
CHAINAGE 20750



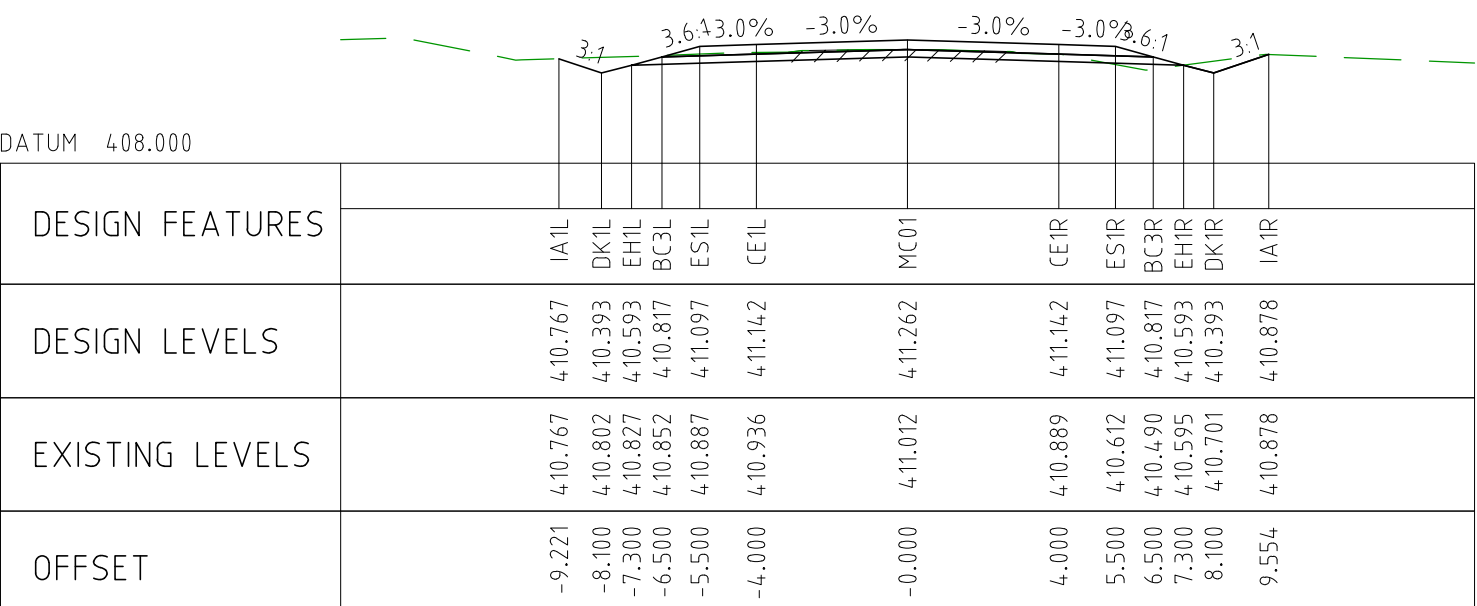
CHAINAGE 21200



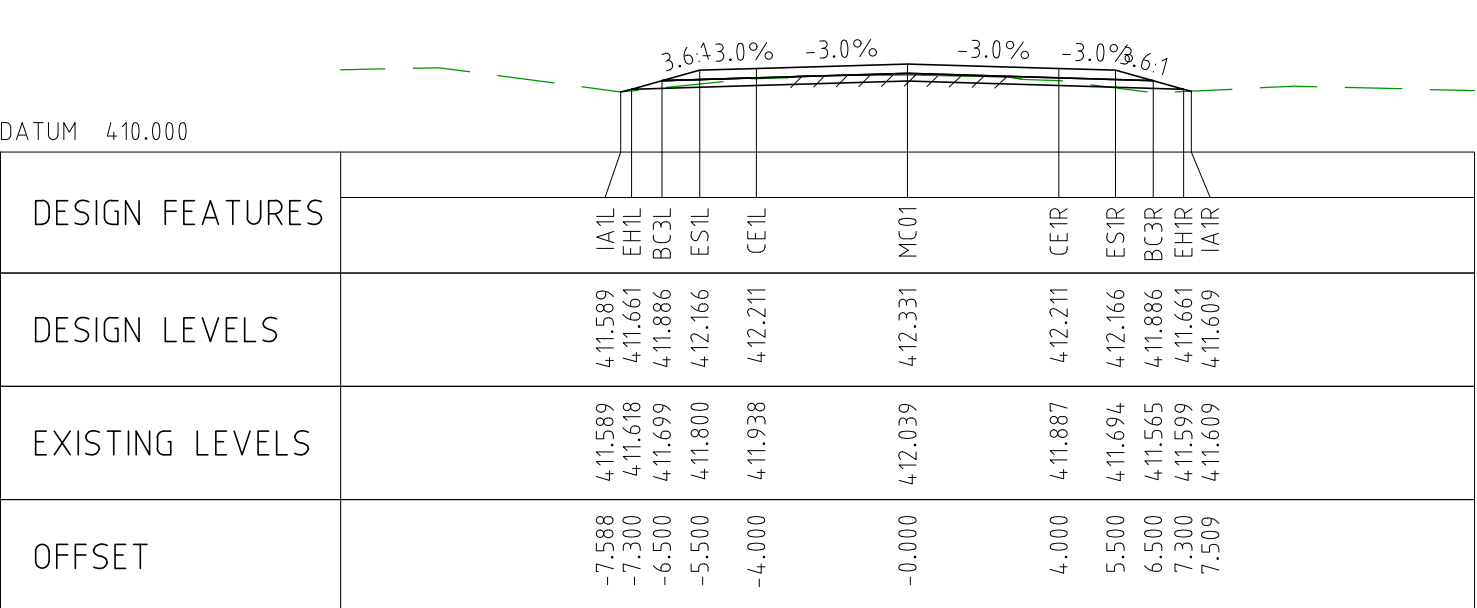
CHAINAGE 21150



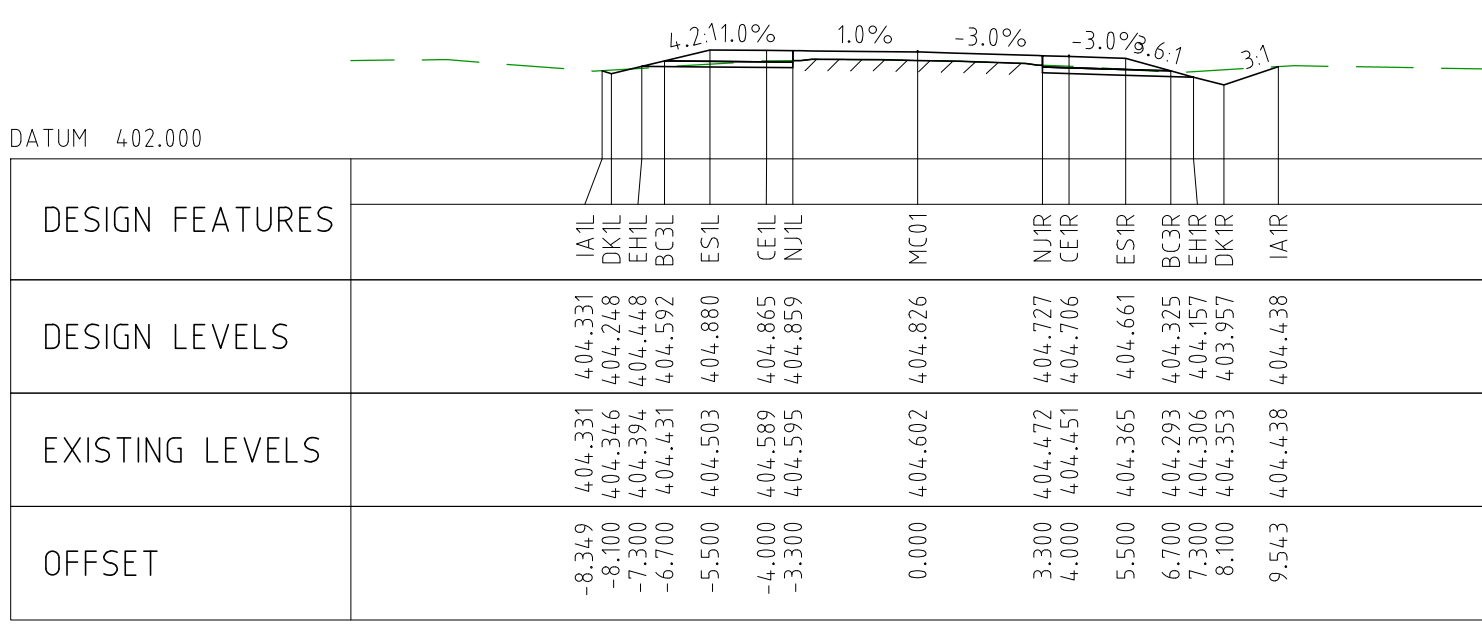
CHAINAGE 21100



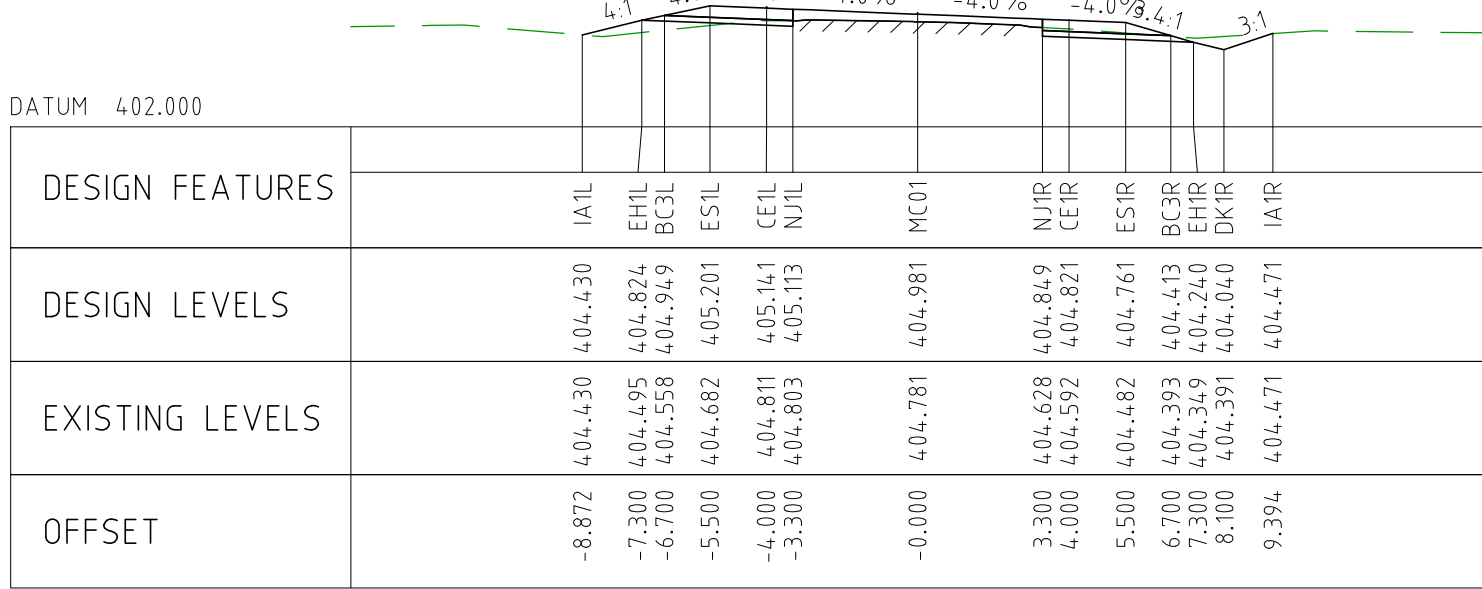
CHAINAGE 21050



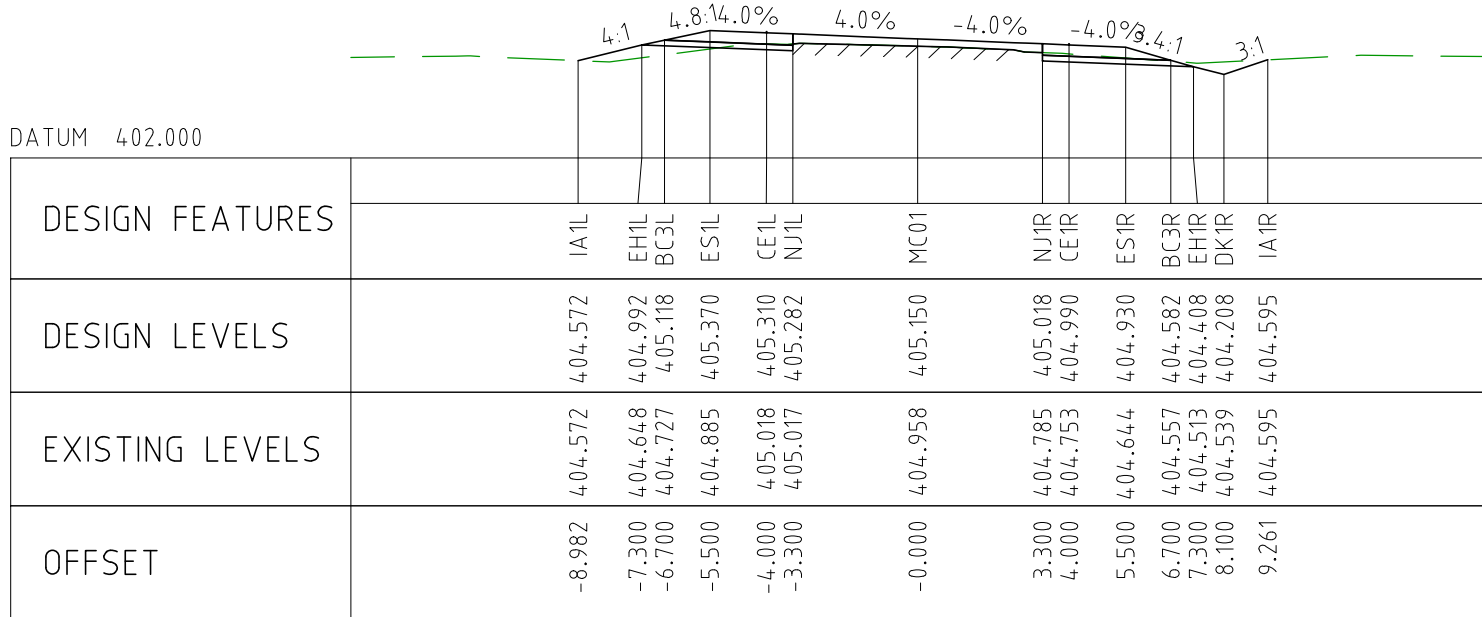
CHAINAGE 21000



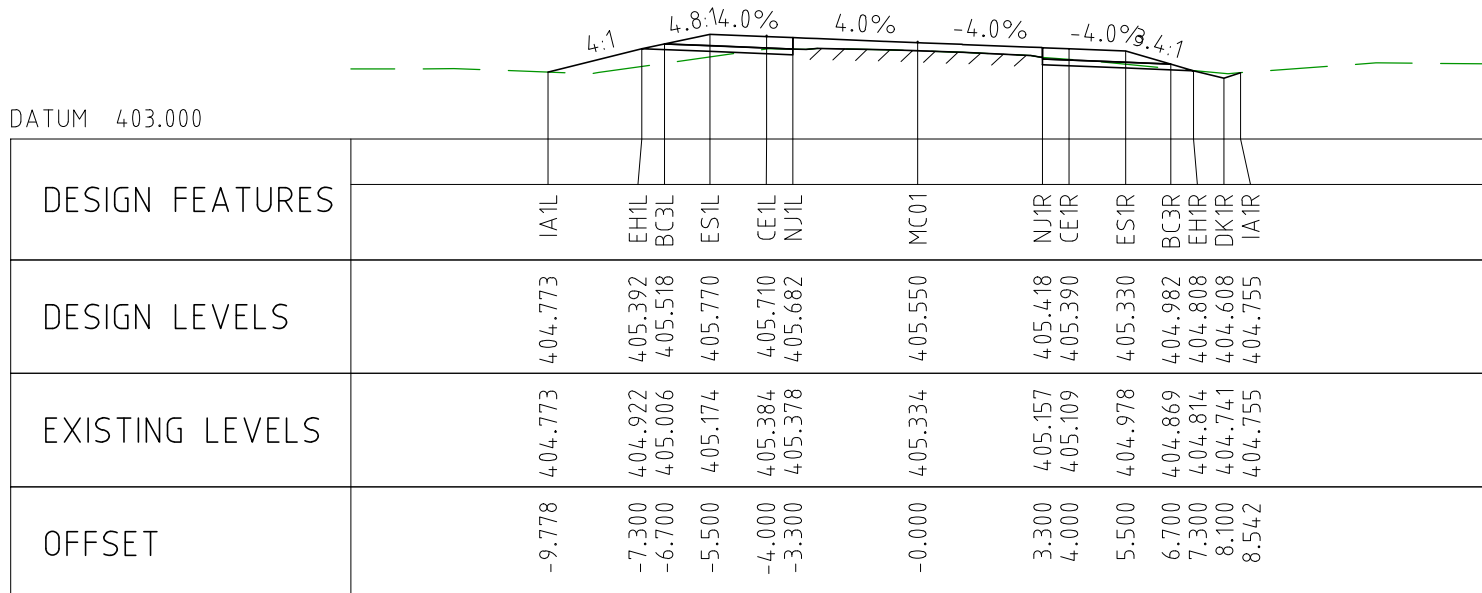
CHAINAGE 21450



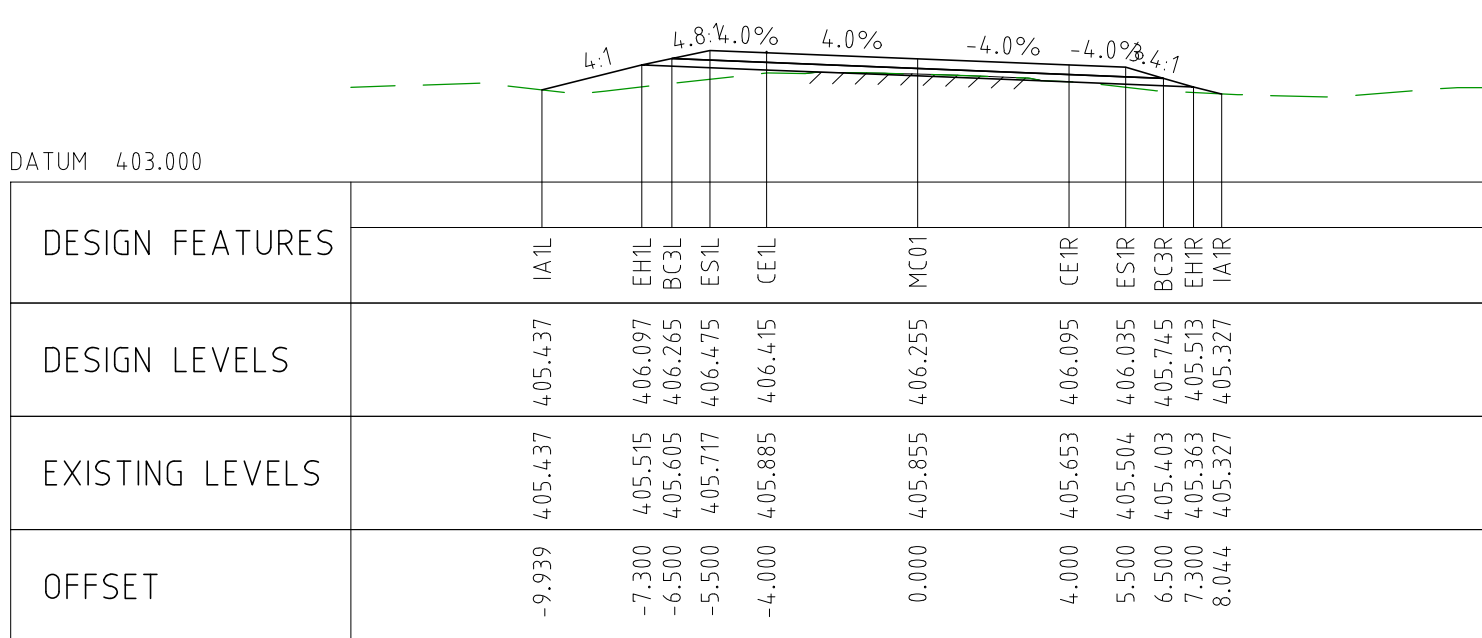
CHAINAGE 21400



CHAINAGE 21350






CHAINAGE 21300

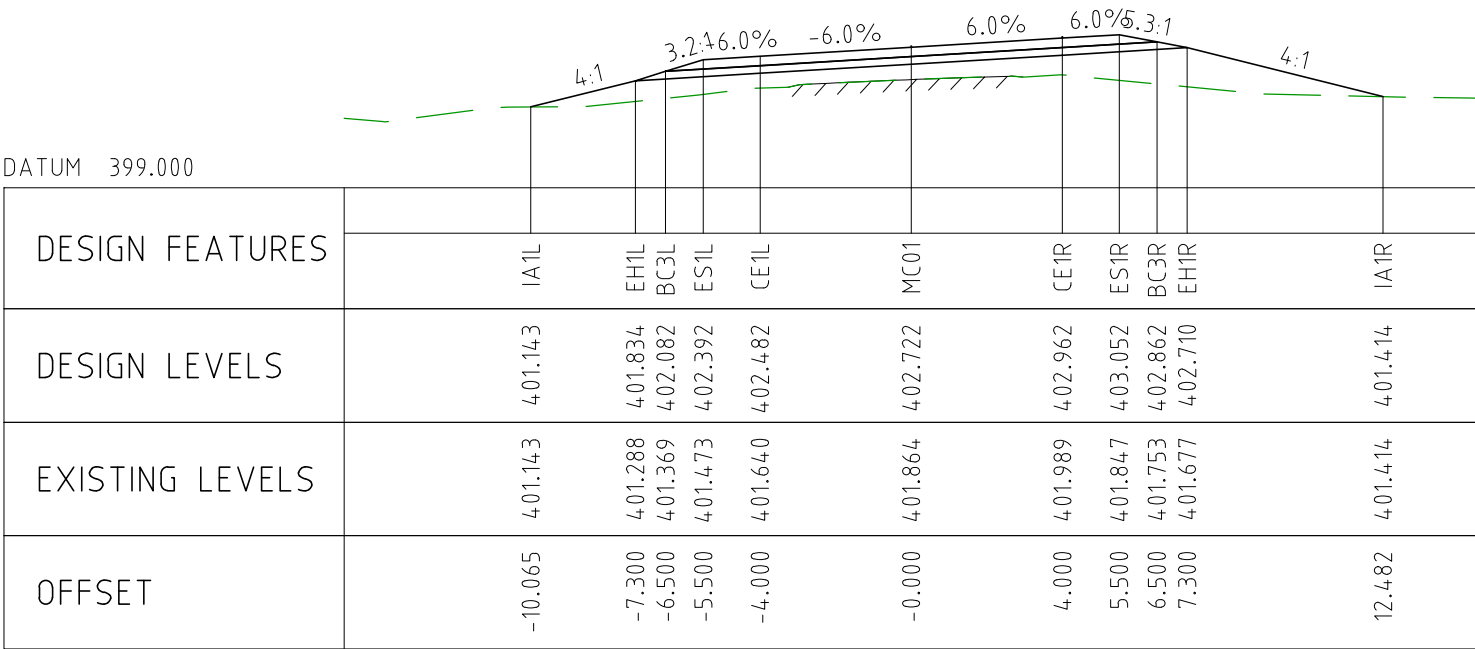


CHAINAGE 21250

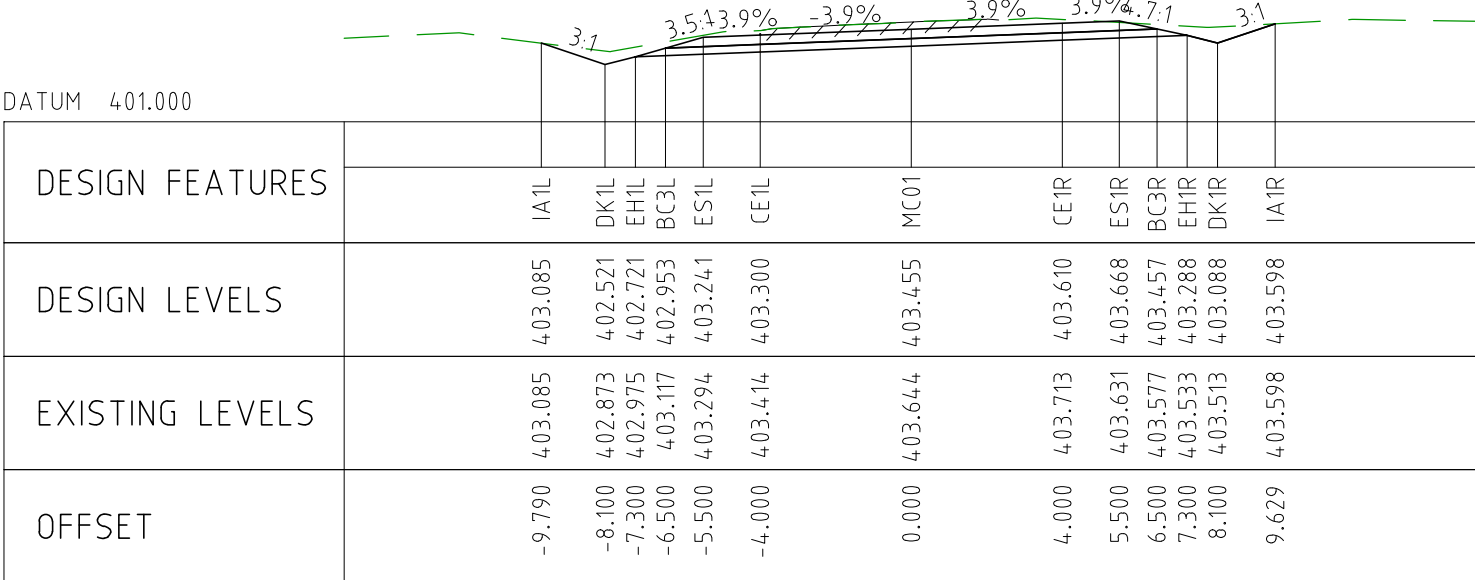
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

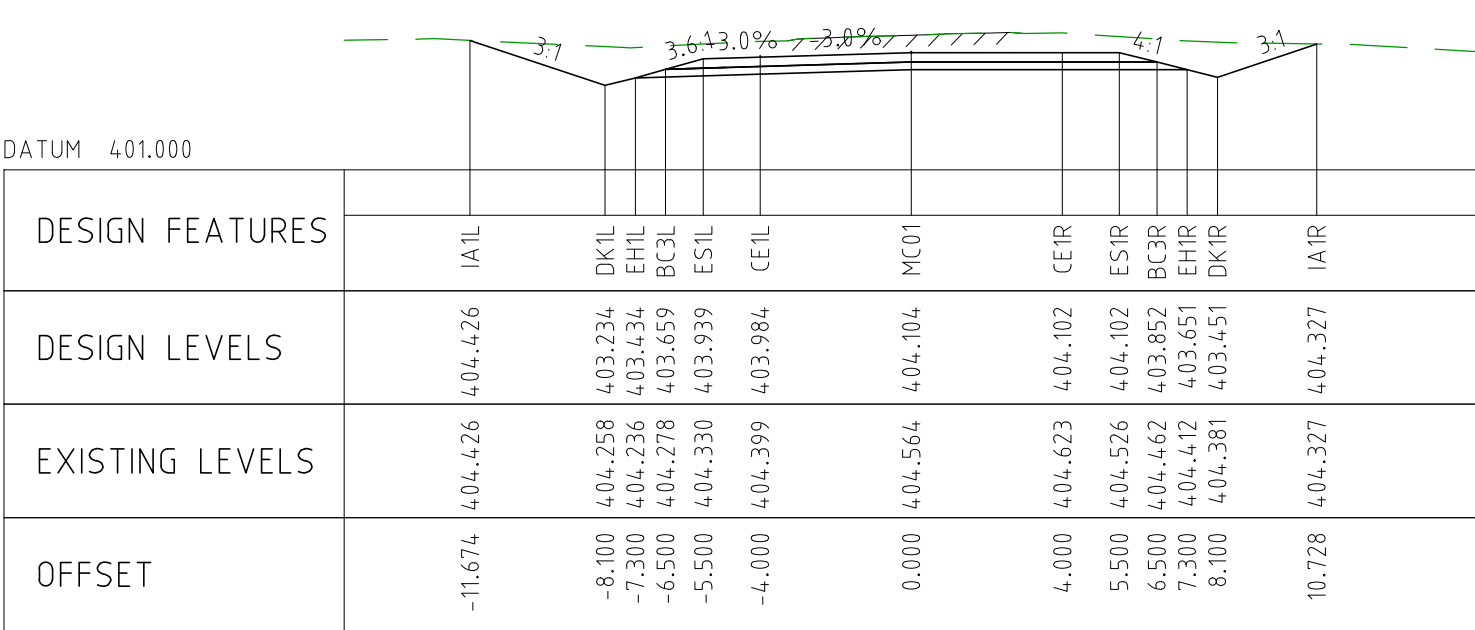
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS29.dwg					PLOT DATE 04 Nov 2022		TIME 12:21:36		CLIENT DOCUMENT No COV-M040-CI-DWG-0141											
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE					
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div></div>	<div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div>		<div> covalent LITHIUM</div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 29 OF 41							
							DRAFTING CHECK	TM												
							DESIGNER	TM												
							DESIGN CHECK	TM												
							PROJECT MANAGER	DM												
						PROJECT DIRECTOR	RI		SMC PROJECT No 3006493				SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS29		REVISION 0	



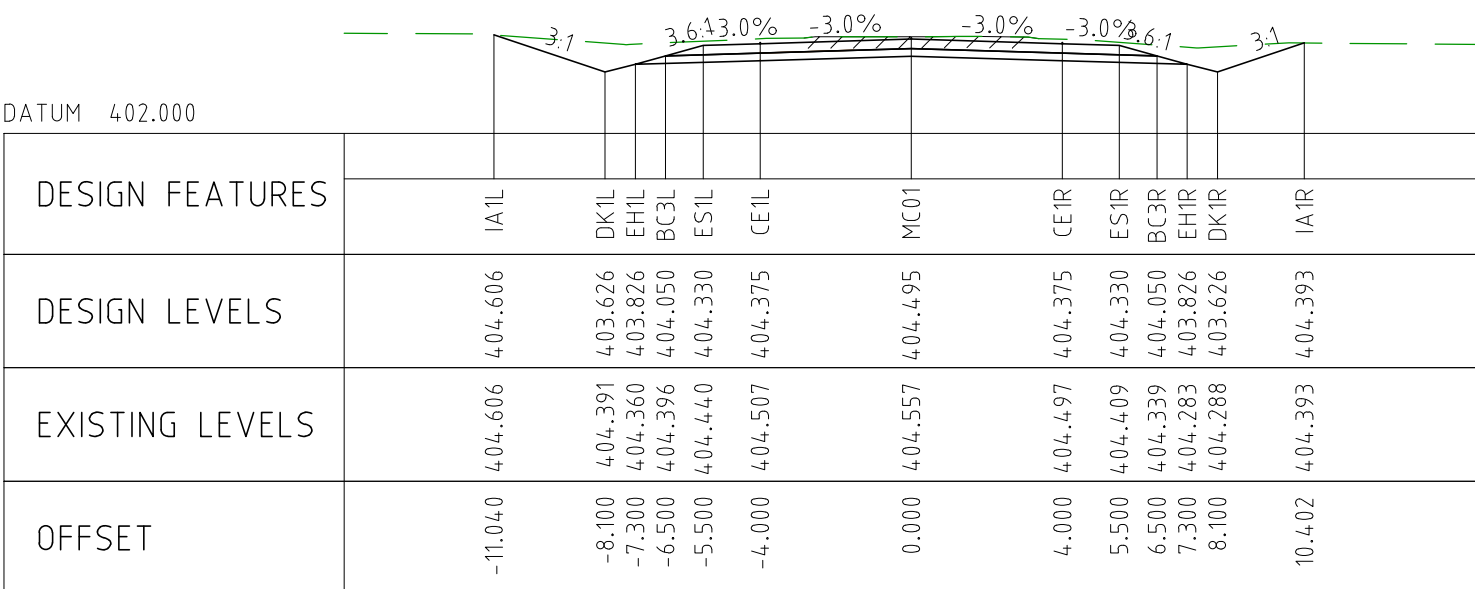
CHAINAGE 21700



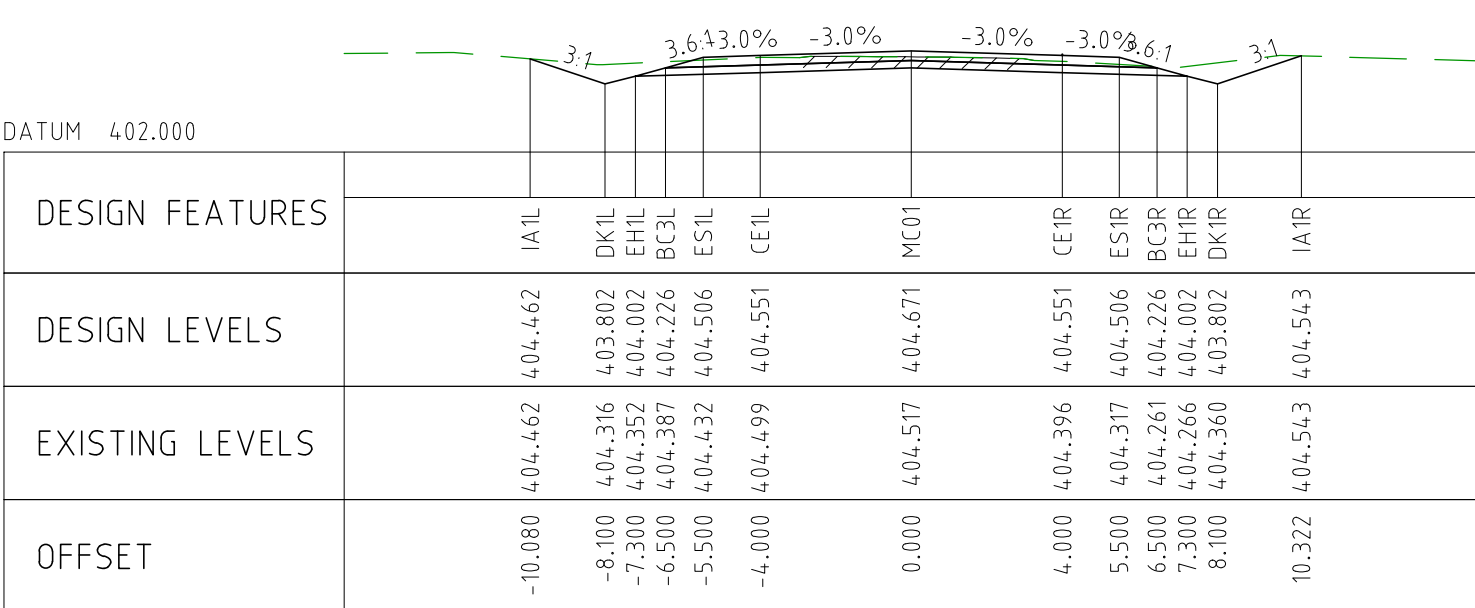
CHAINAGE 21650



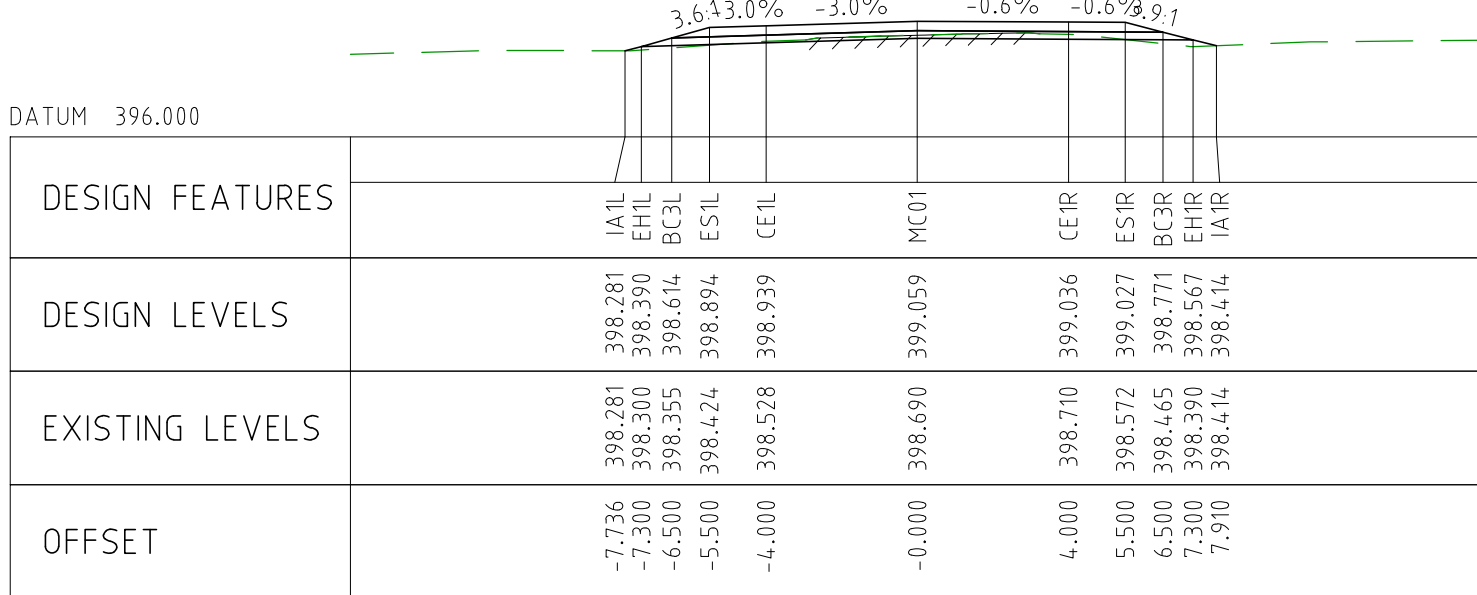
CHAINAGE 21600



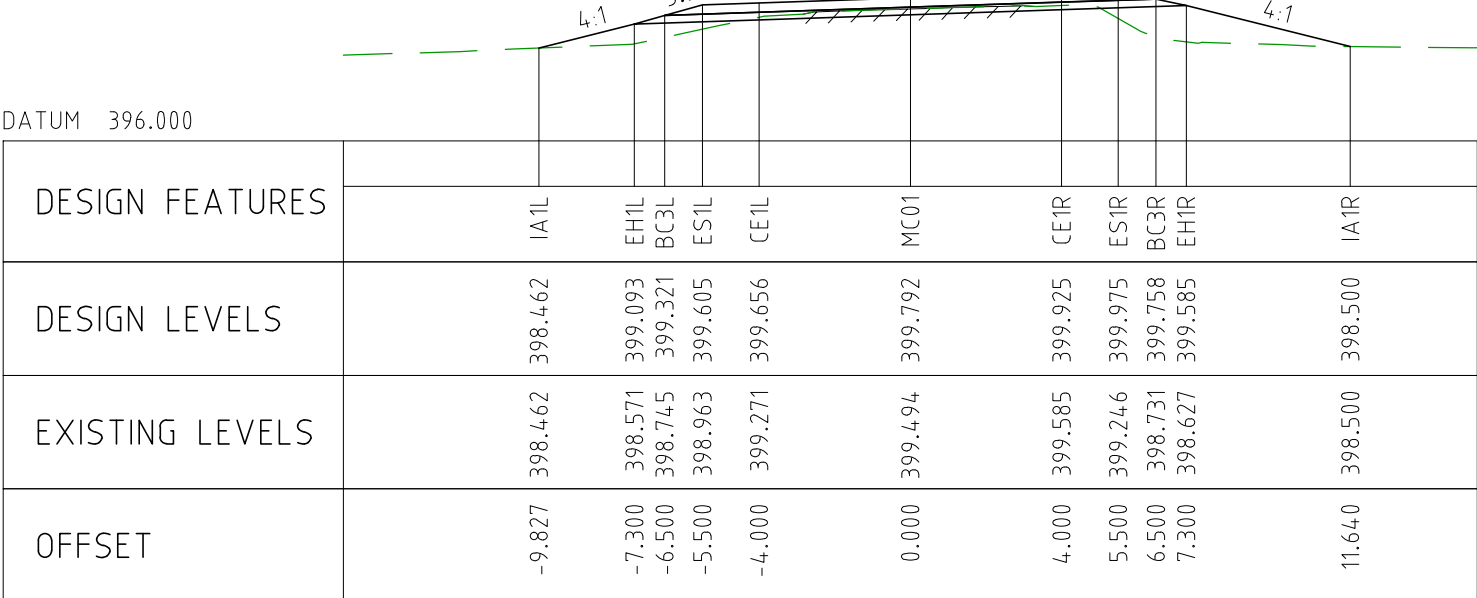
CHAINAGE 21550



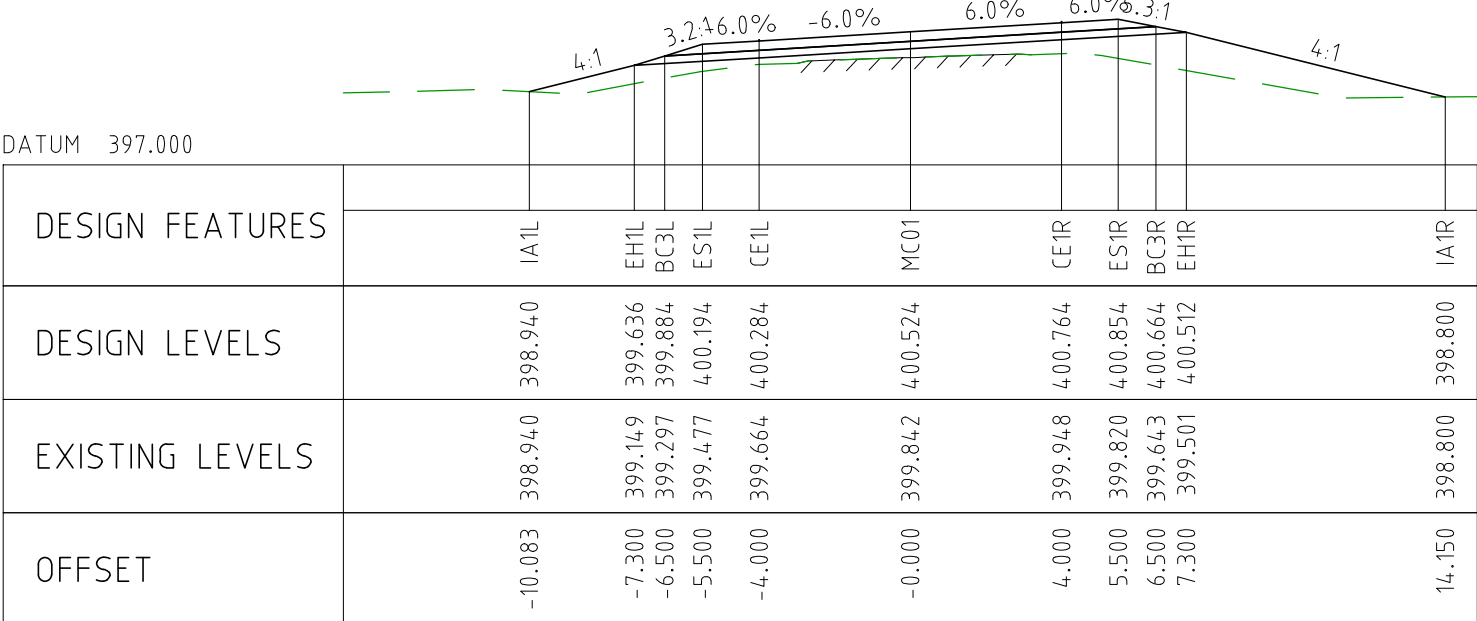
CHAINAGE 21500



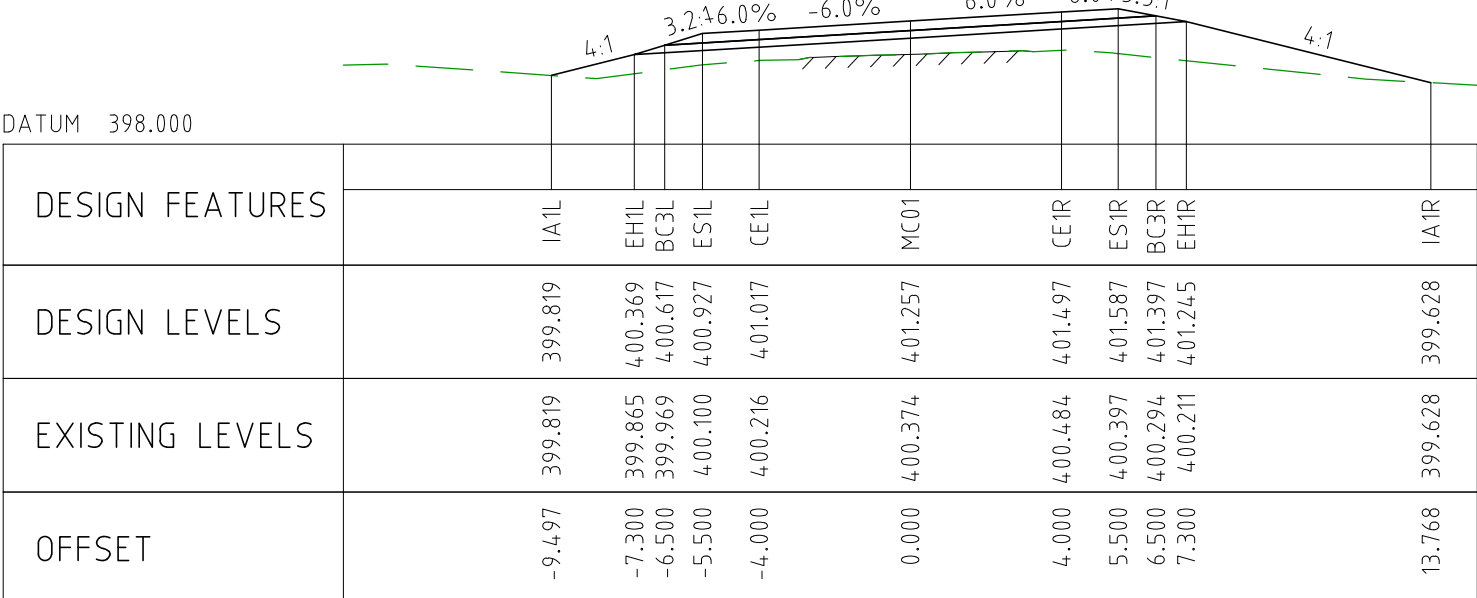
CHAINAGE 21950



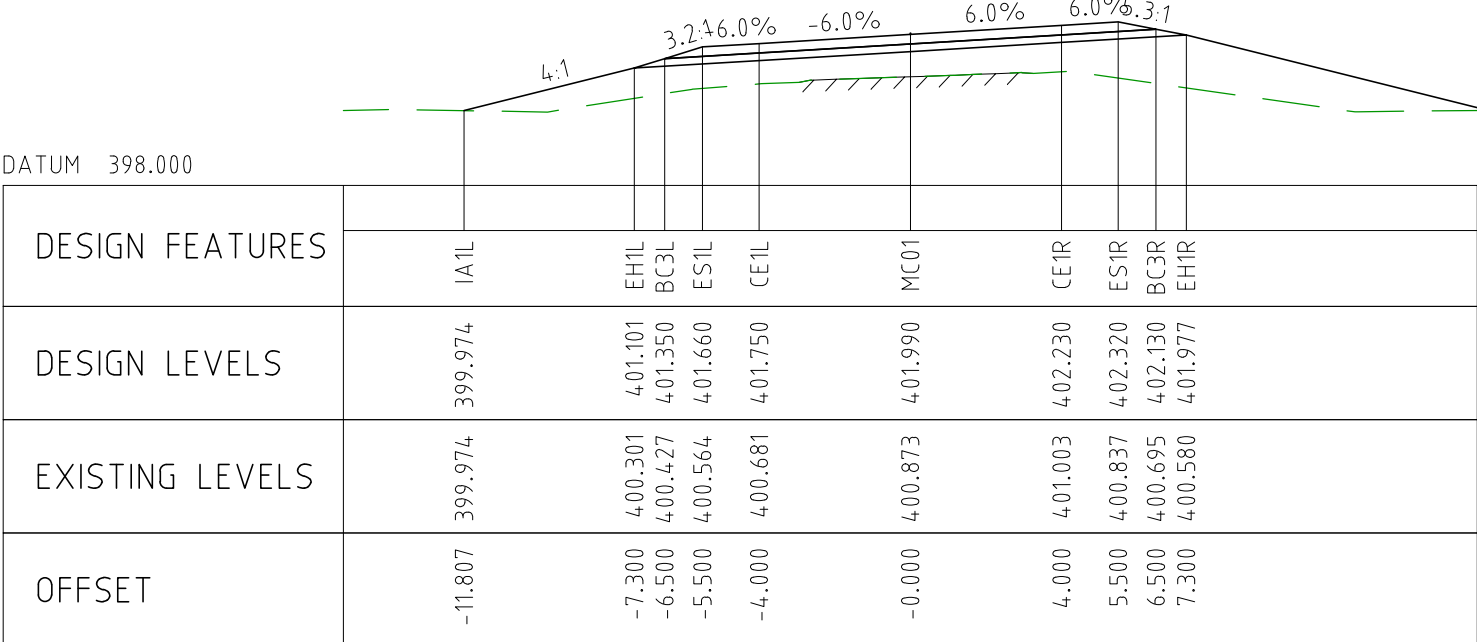
CHAINAGE 21900



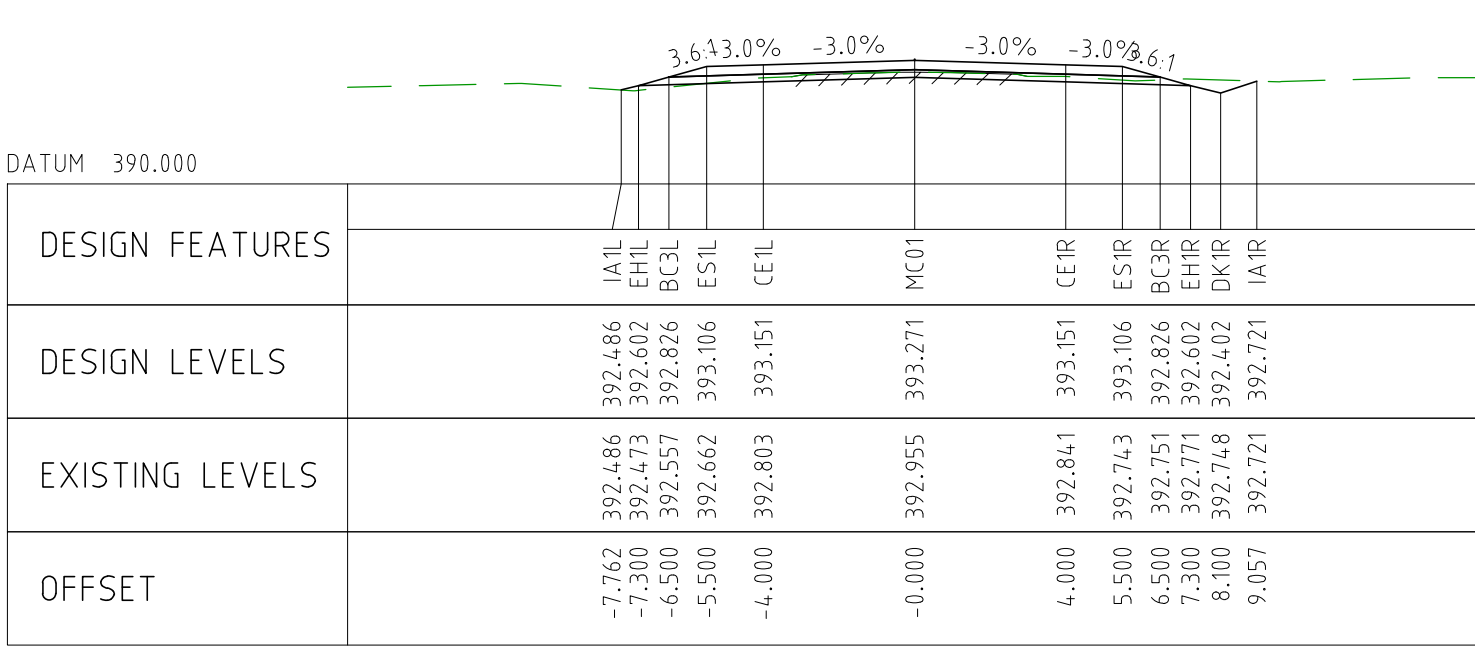
CHAINAGE 21850



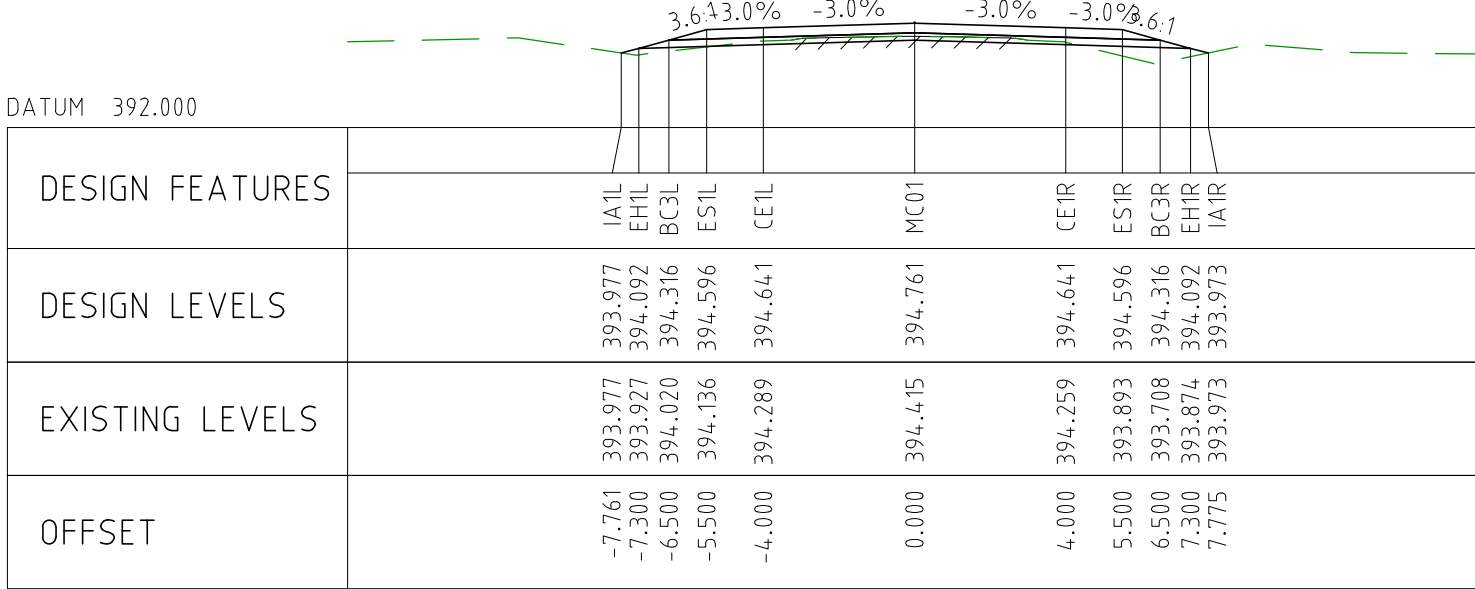
CHAINAGE 21800



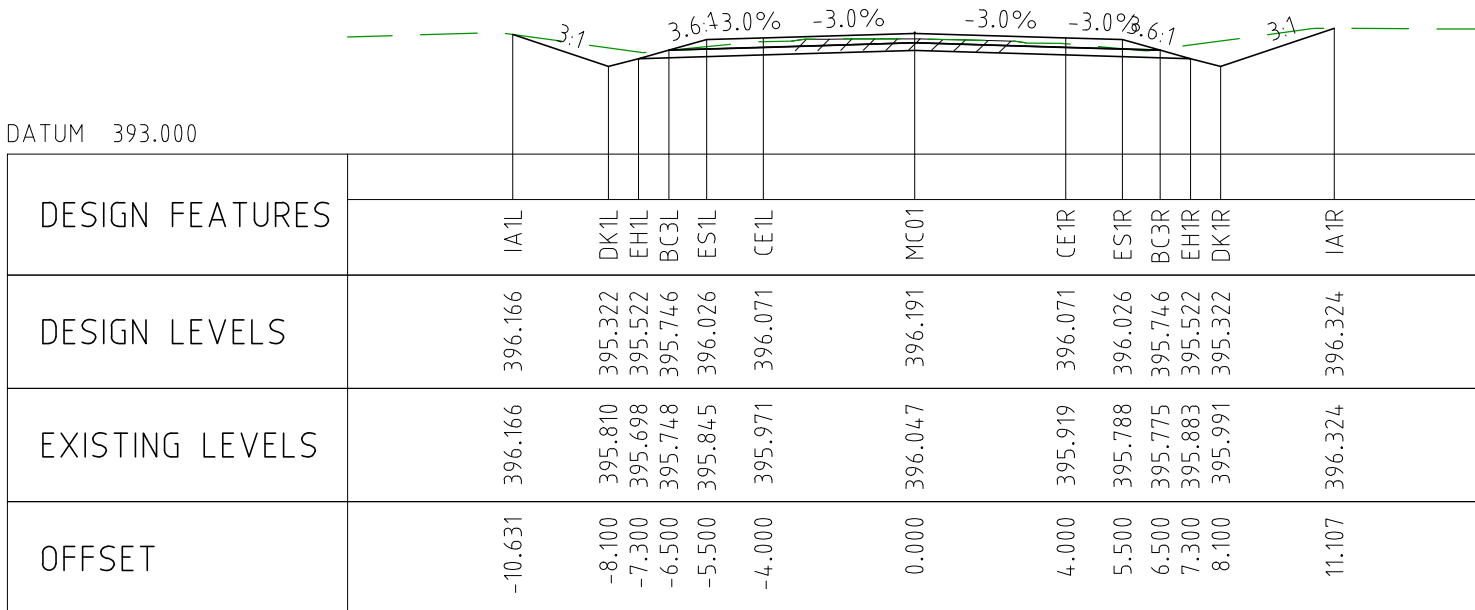
CHAINAGE 21750



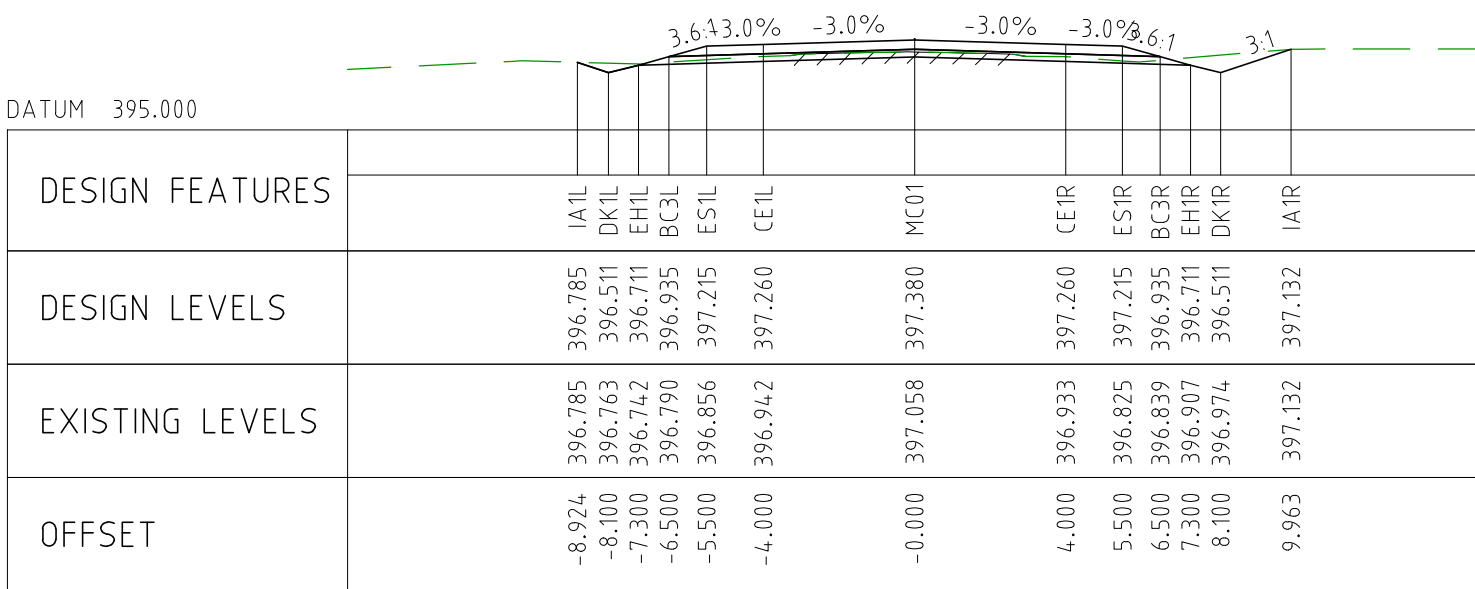
CHAINAGE 22200



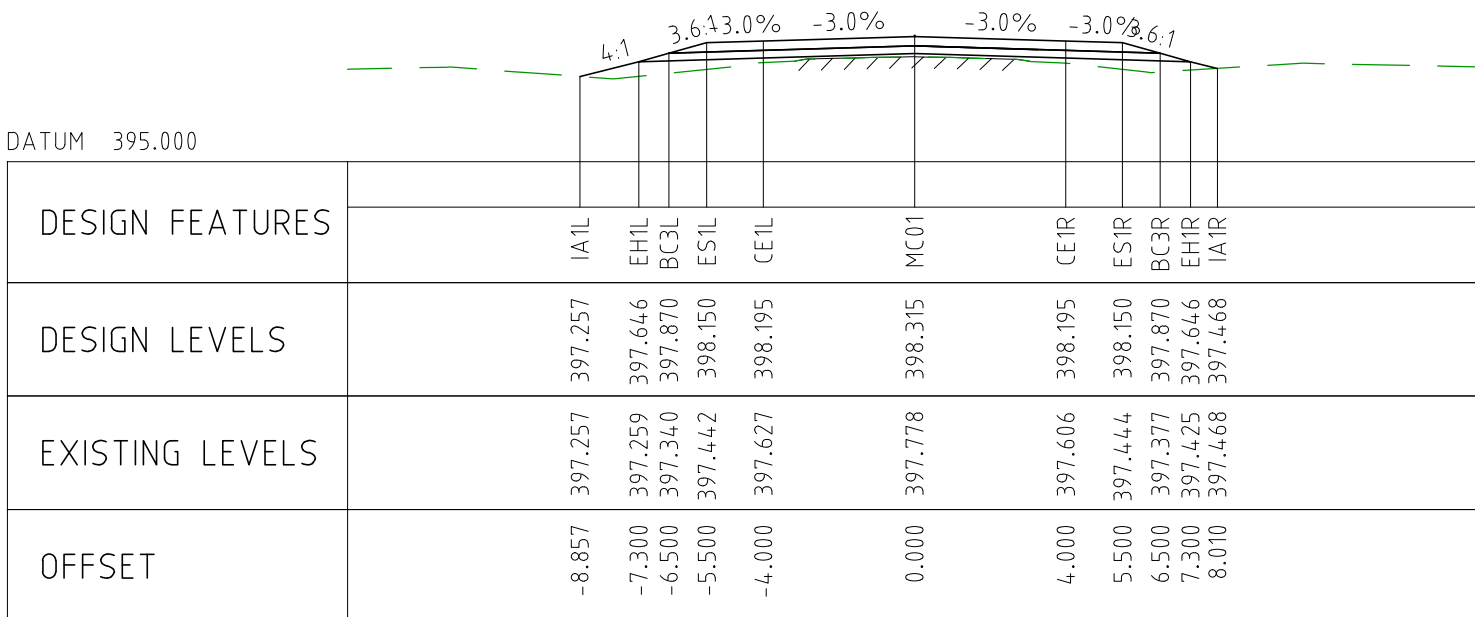
CHAINAGE 22150



CHAINAGE 22100






CHAINAGE 22050

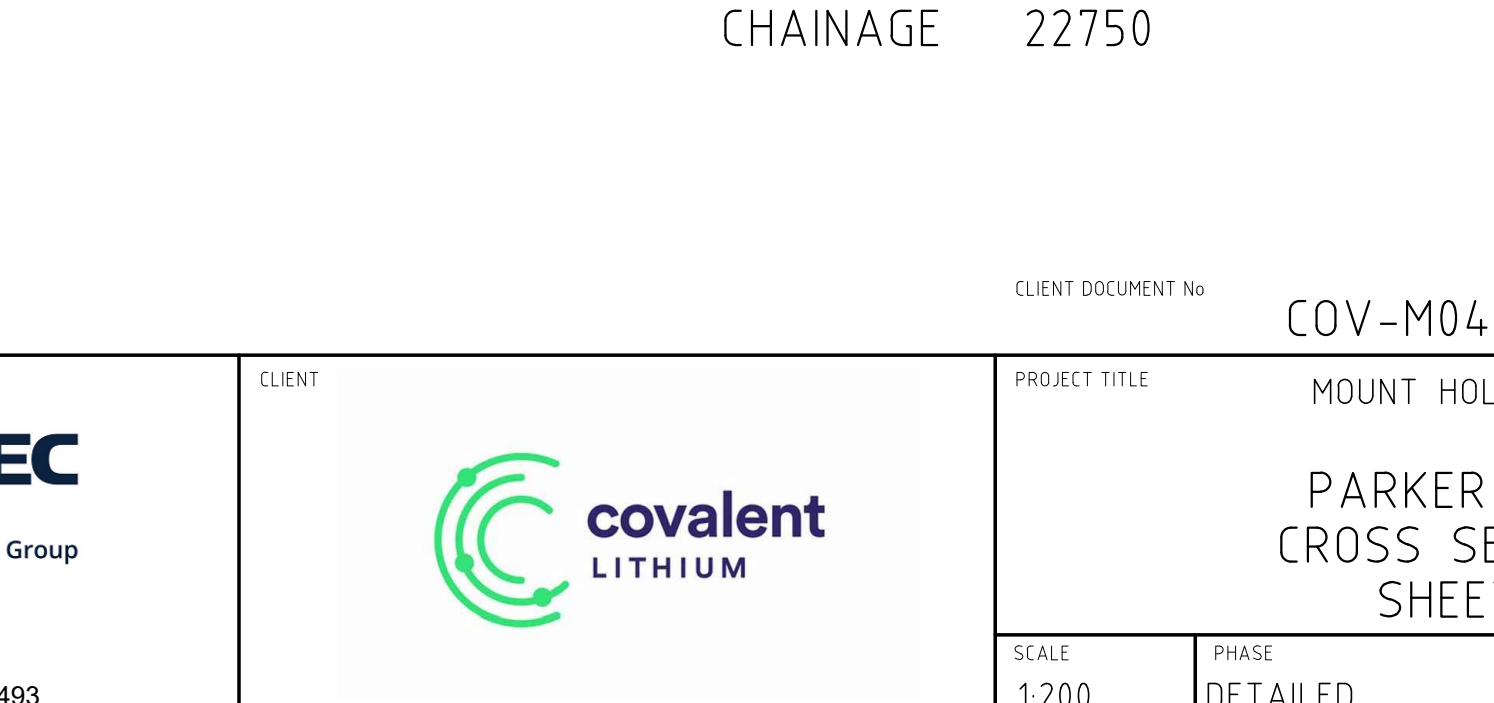
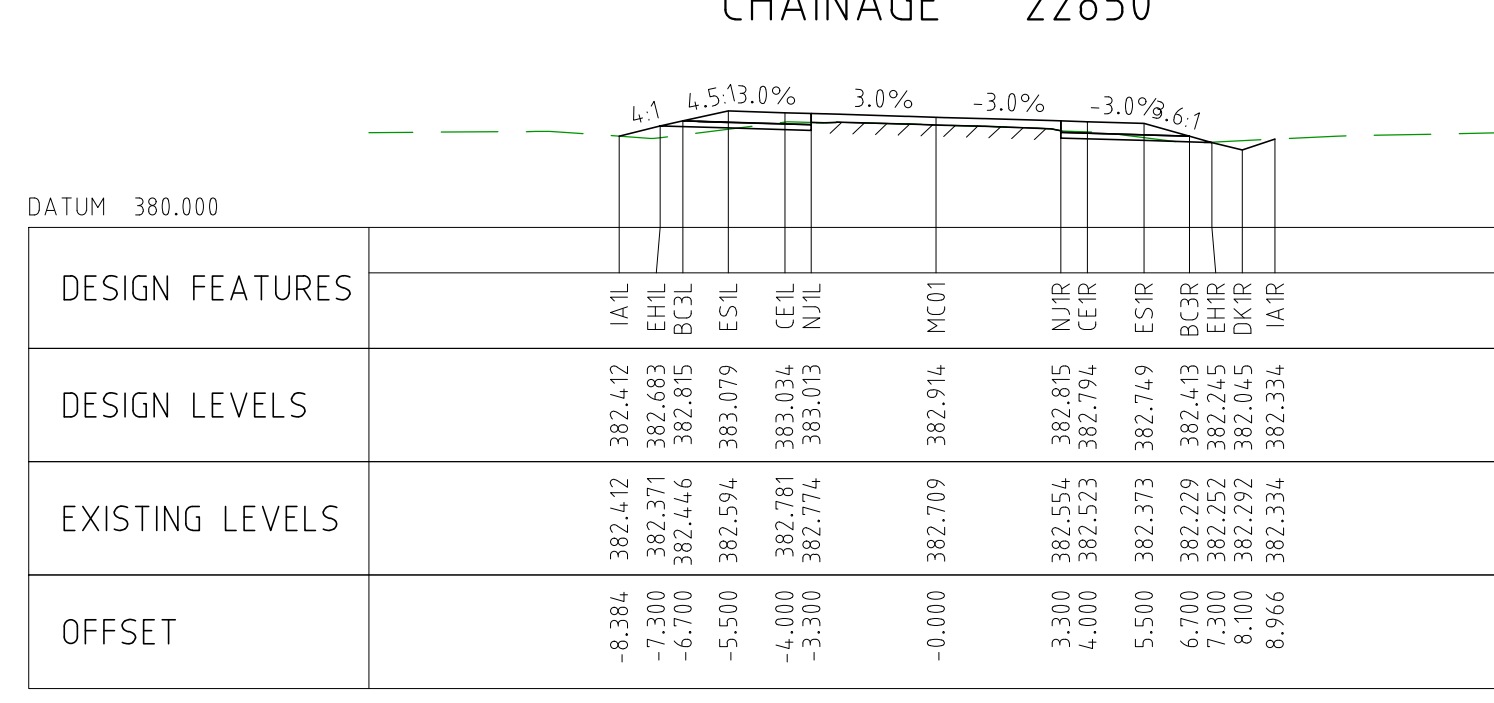
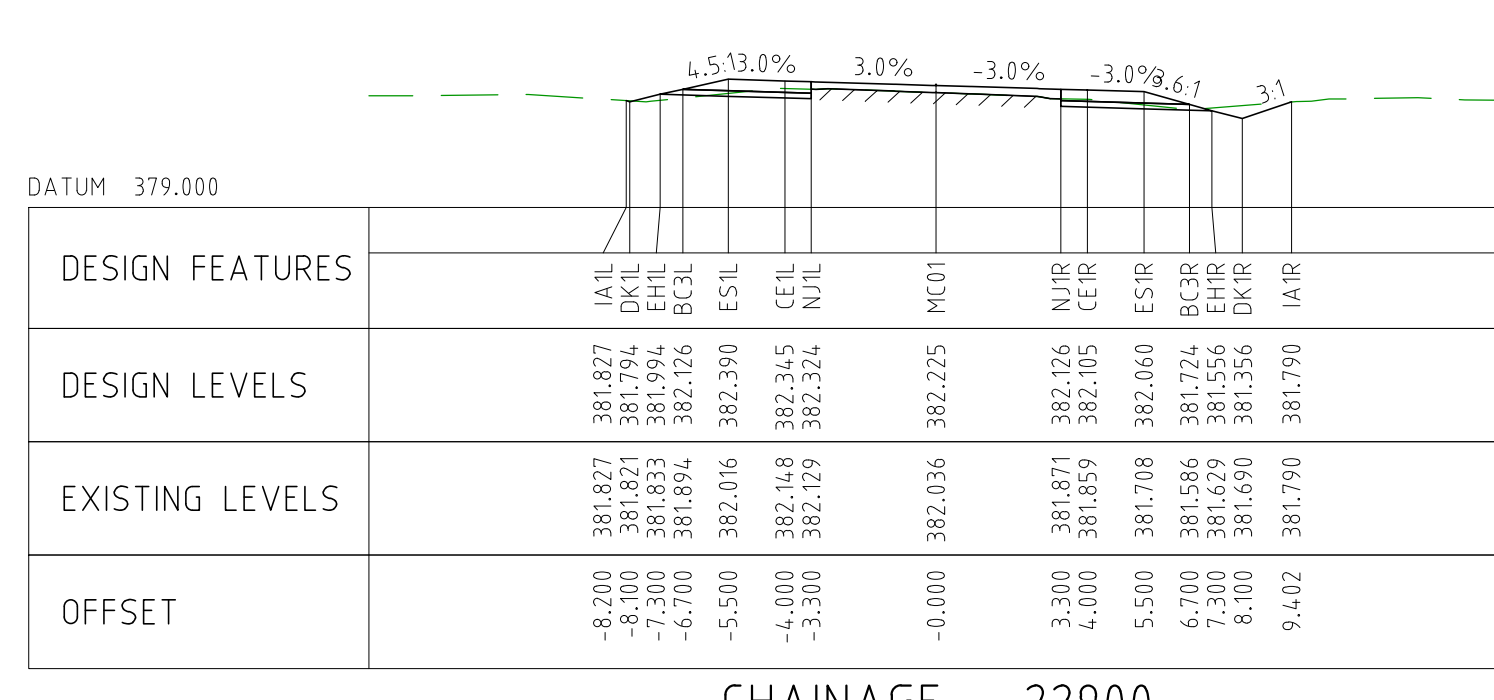
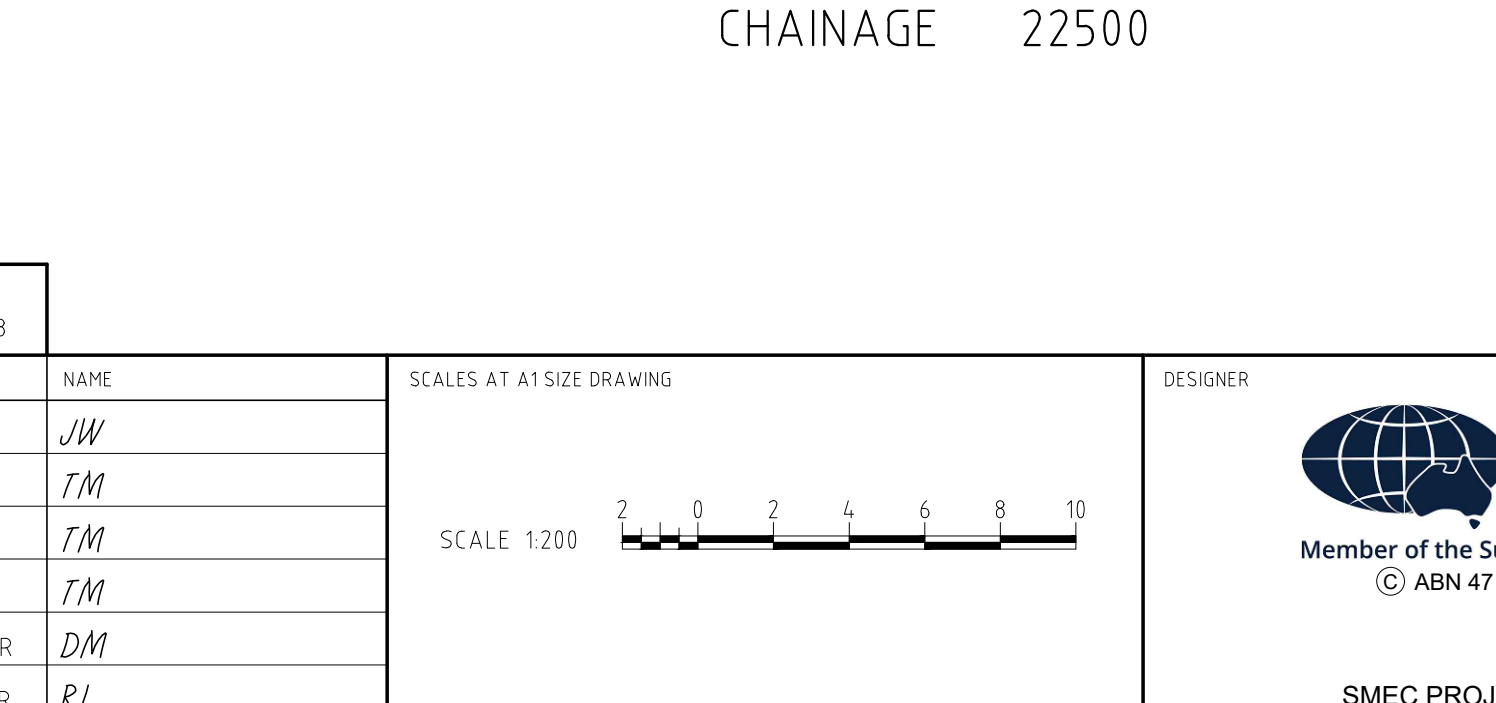
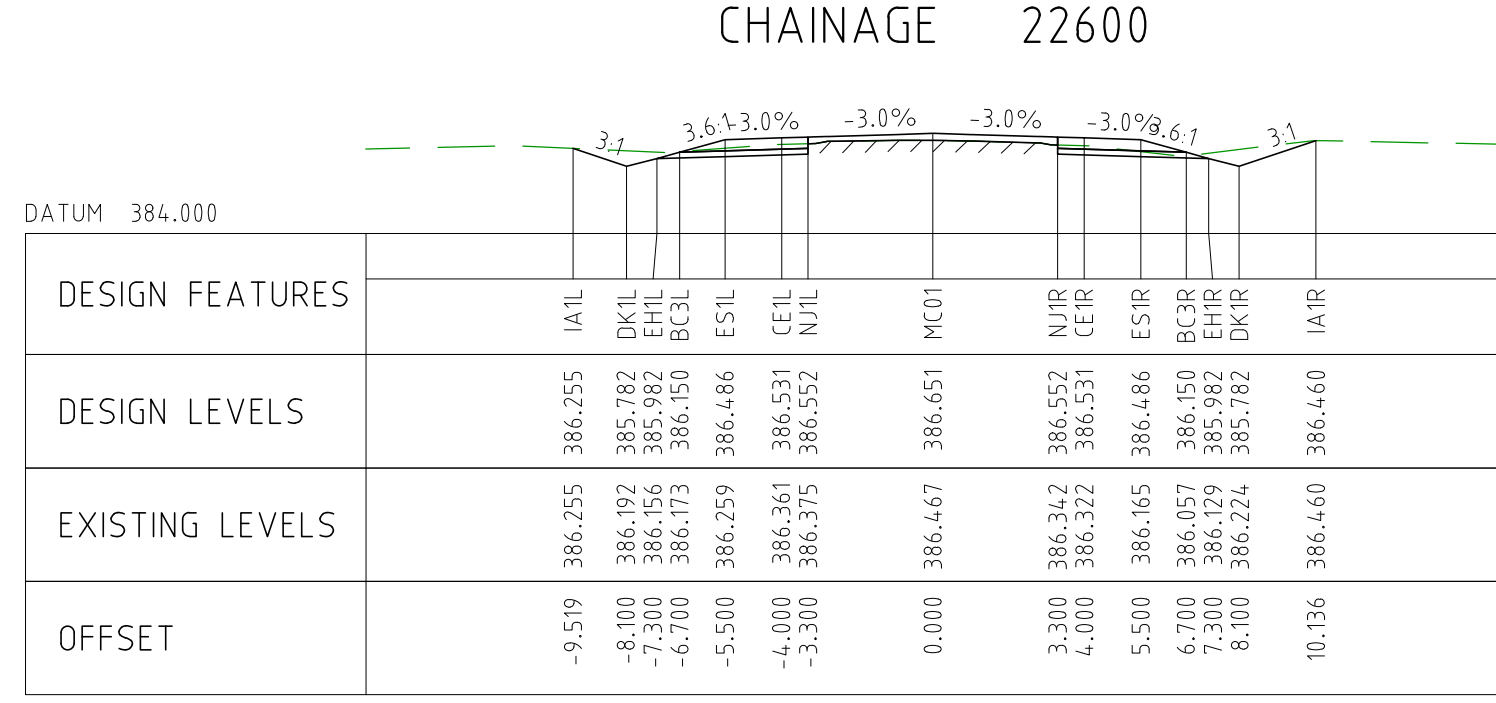
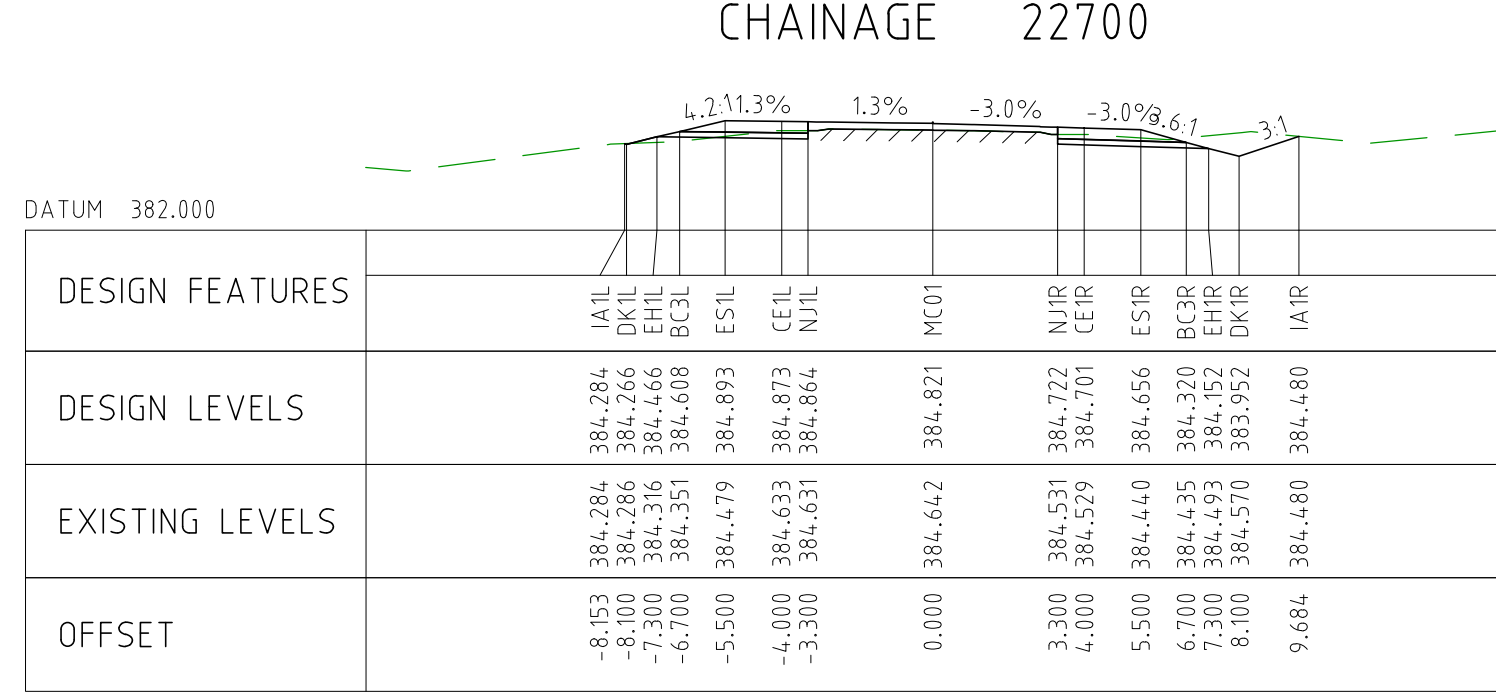
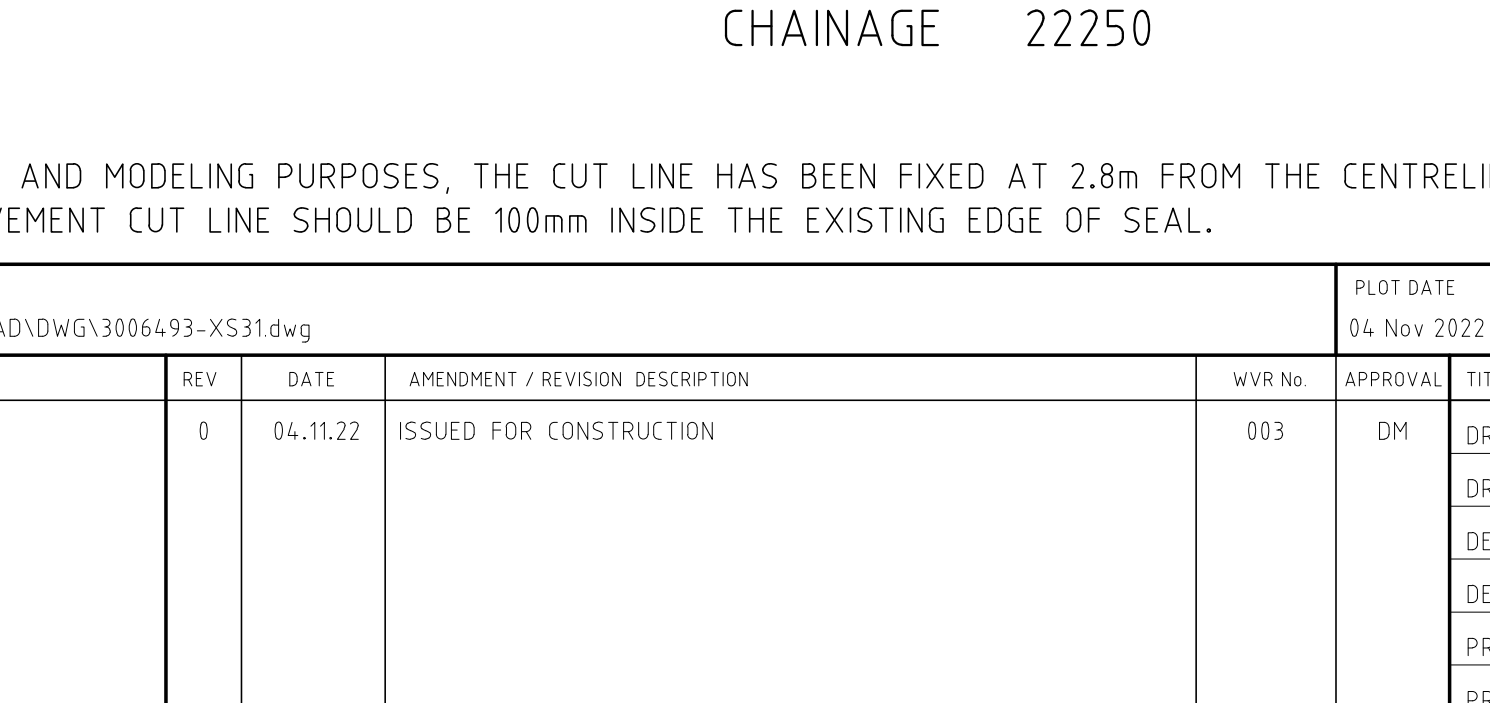
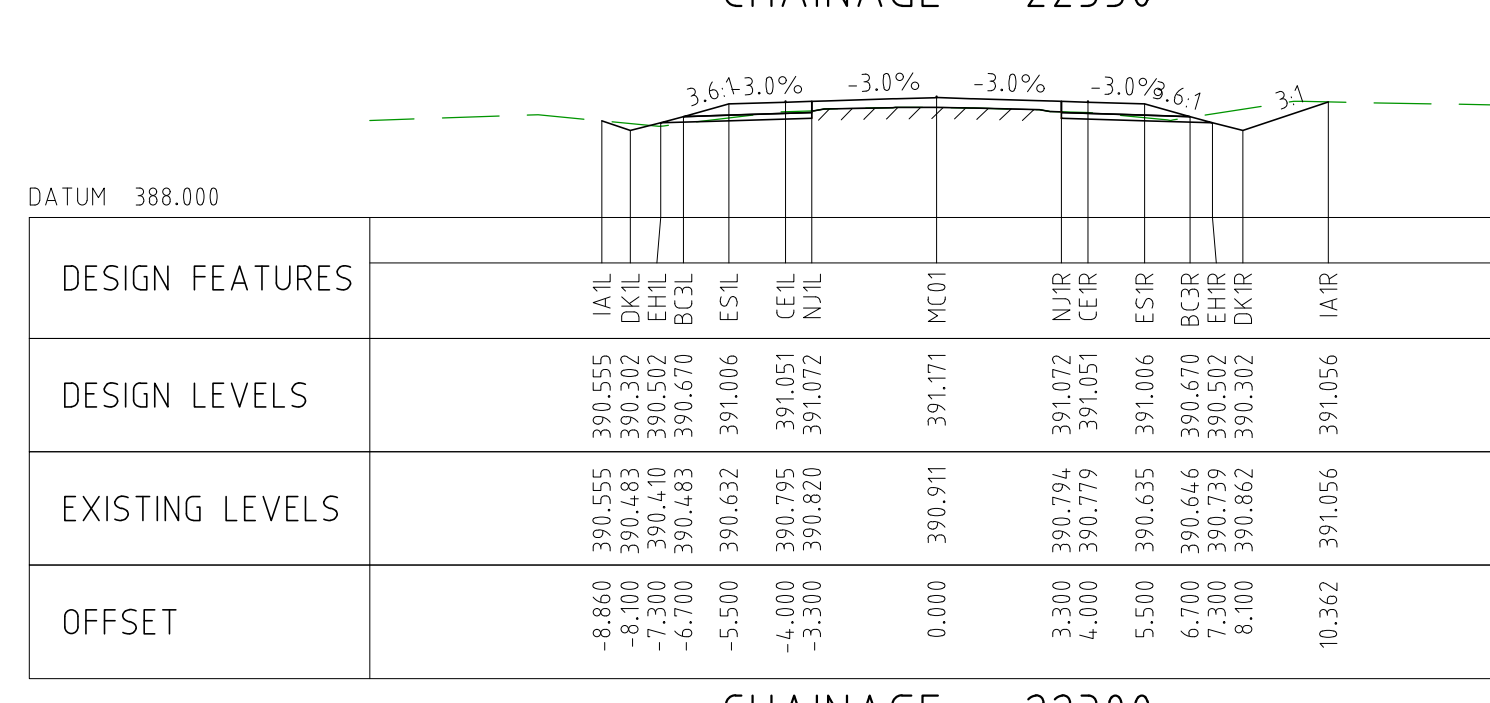
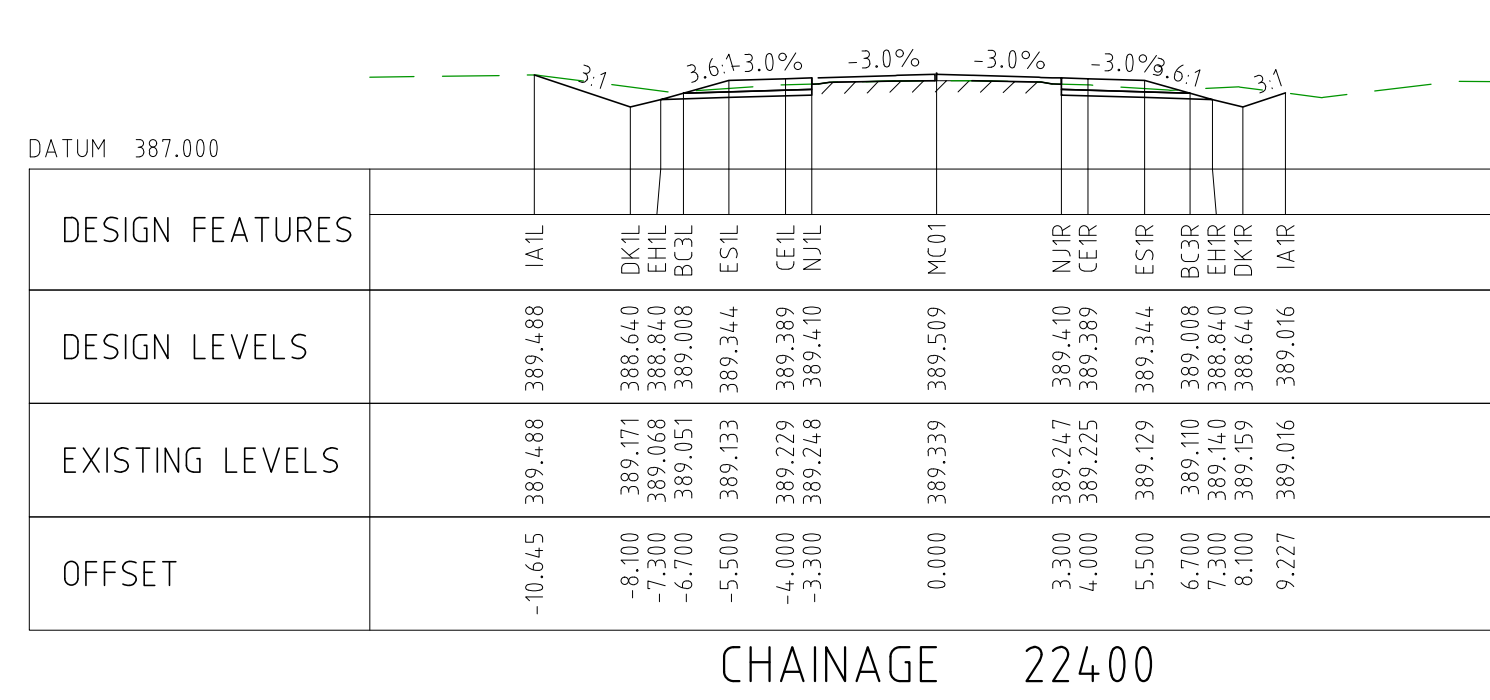


CHAINAGE 22000


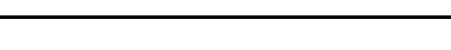
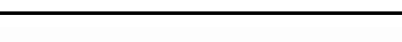
NOTES

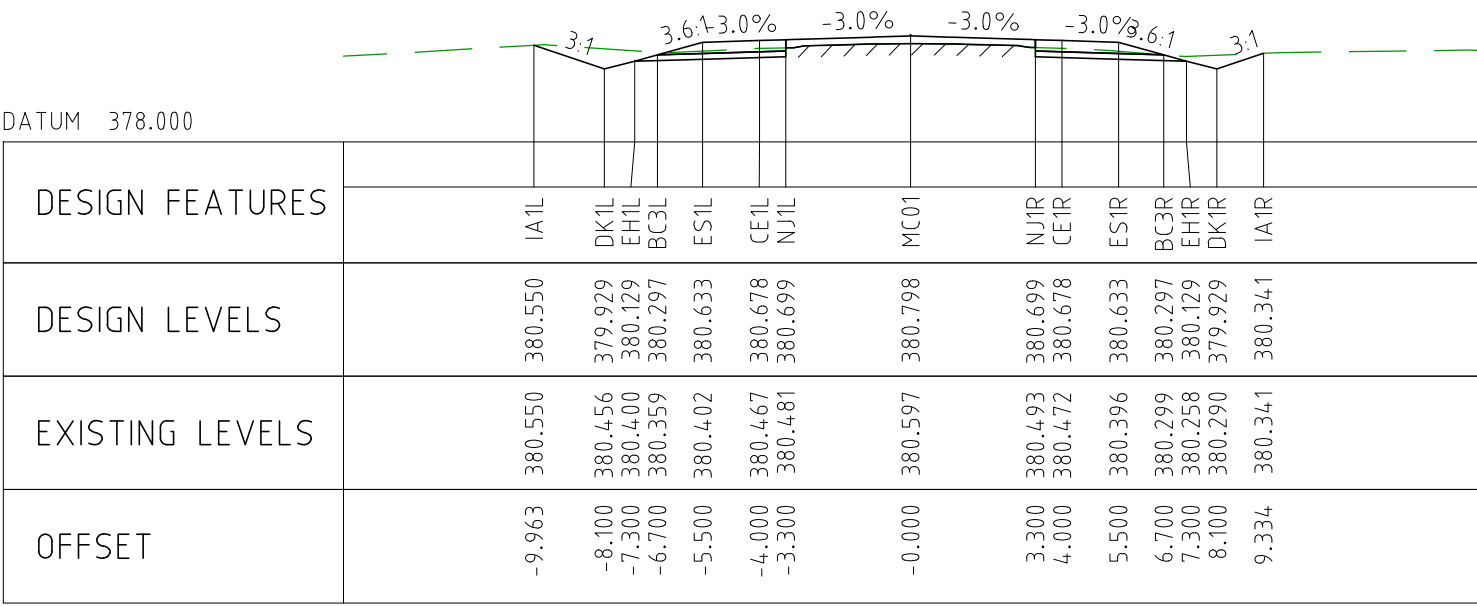
- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-XS30.dwg					PLOT DATE 04 Nov 2022		TIME 12:22:18		CLIENT DOCUMENT No COV-M040-CI-DWG-0142						
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:200</div> <div></div>	<div>DESIGNER</div> <div>SMC</div> <div>Member of the Surbana Jurong Group</div> <div>© ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>	<div>CLIENT</div> <div>covalent LITHIUM</div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 30 OF 41			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW								
						DRAFTING CHECK	TM								
						DESIGNER	TM								
						DESIGN CHECK	TM								
							PROJECT MANAGER	DM							SCALE 1:200
							PROJECT DIRECTOR	RI							

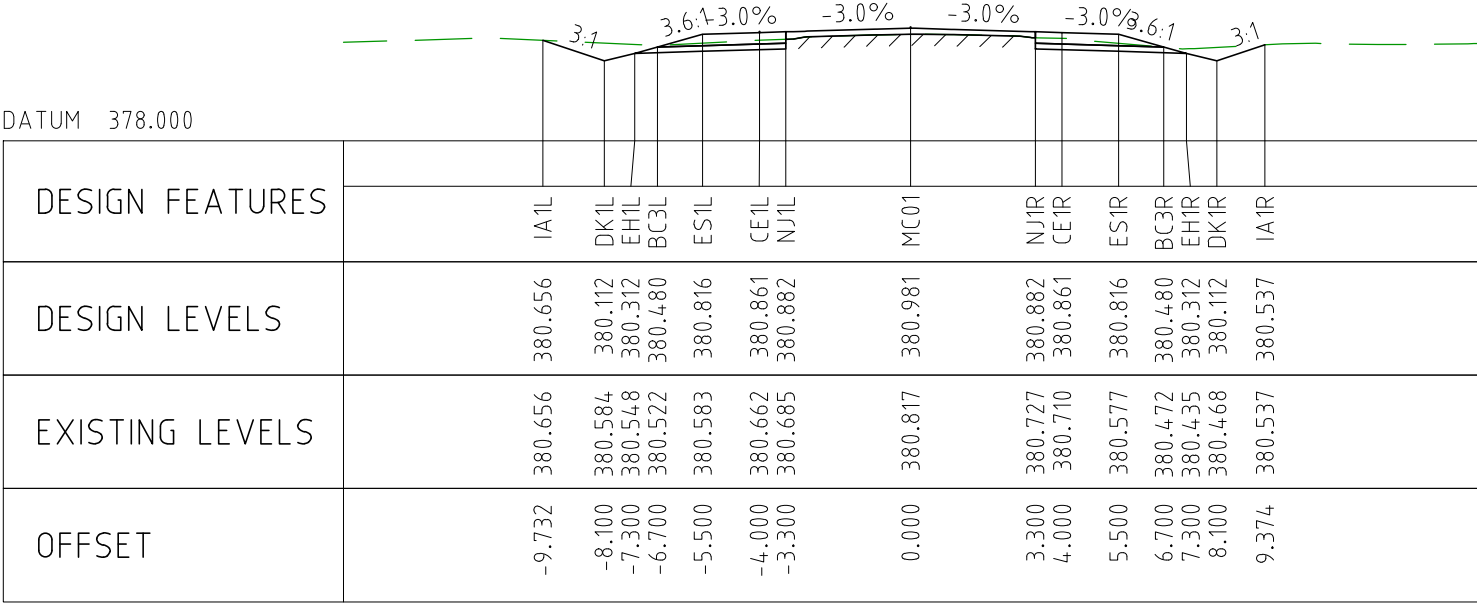


1. FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE. FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

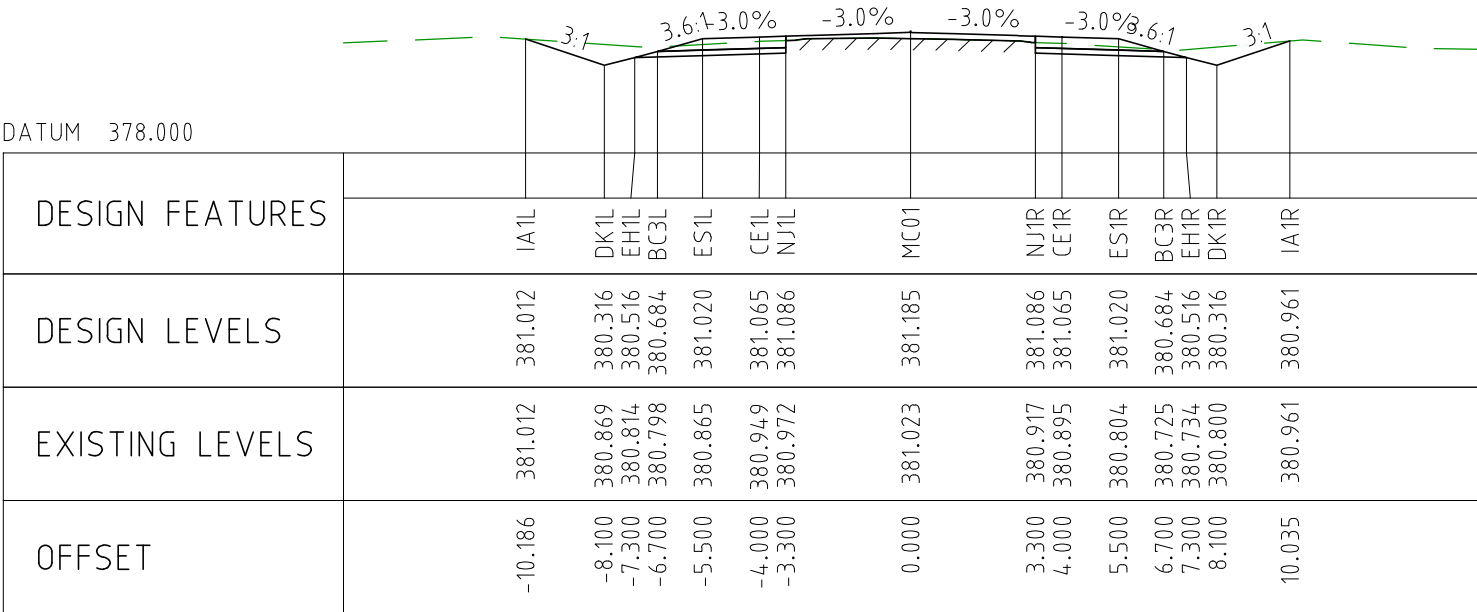
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS31.dwg					PLOT DATE 04 Nov 2022		TIME 12:23:08		CLIENT DOCUMENT NO COV-M040-CI-DWG-0143						
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493	 covalent LITHIUM	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 31 OF 41		
					DRAFTING CHECK	TM									
					DESIGNER	TM									
					DESIGN CHECK	TM									
					PROJECT MANAGER	DM									
					PROJECT DIRECTOR	RJ									
						SCALE 1:200						SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS31	REVISION 0



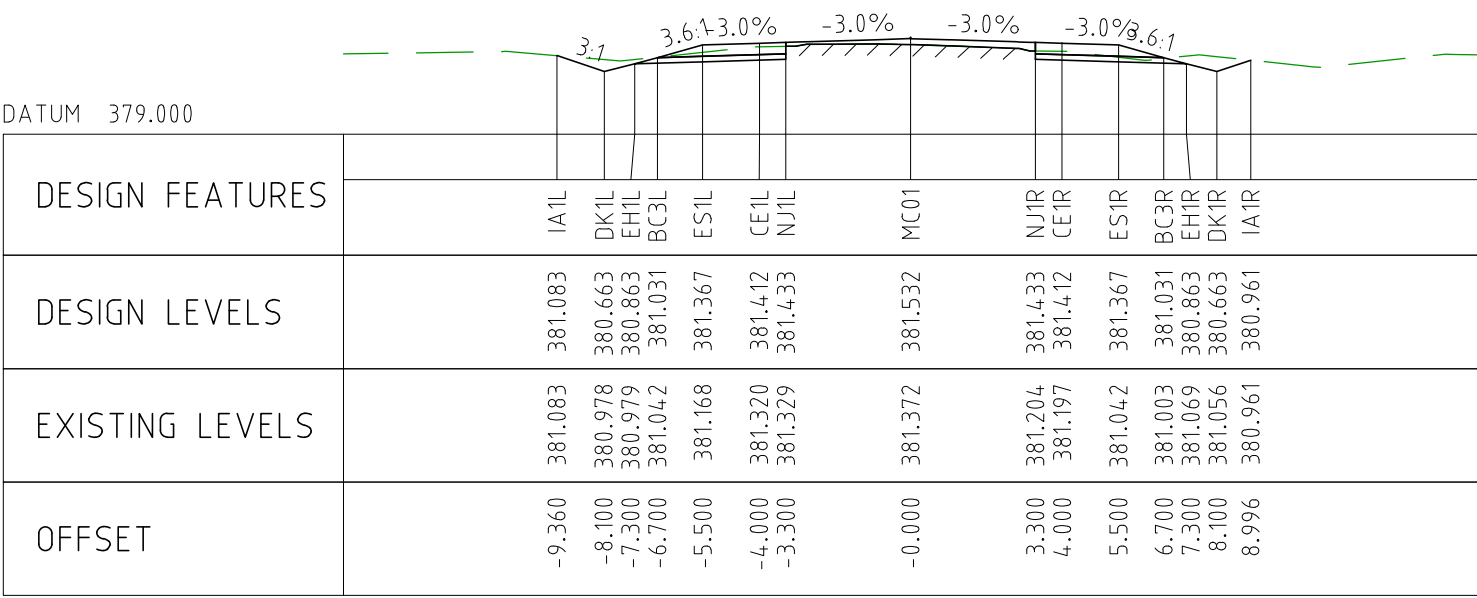
CHAINAGE 23200



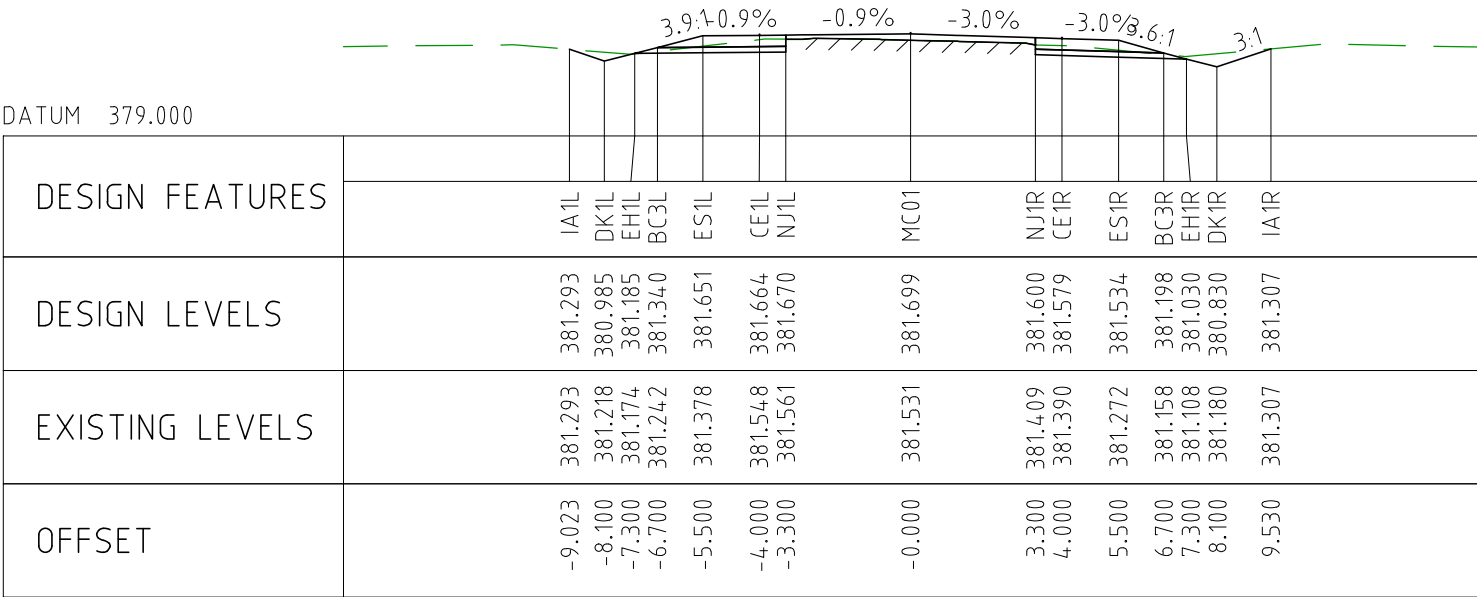
CHAINAGE 23150



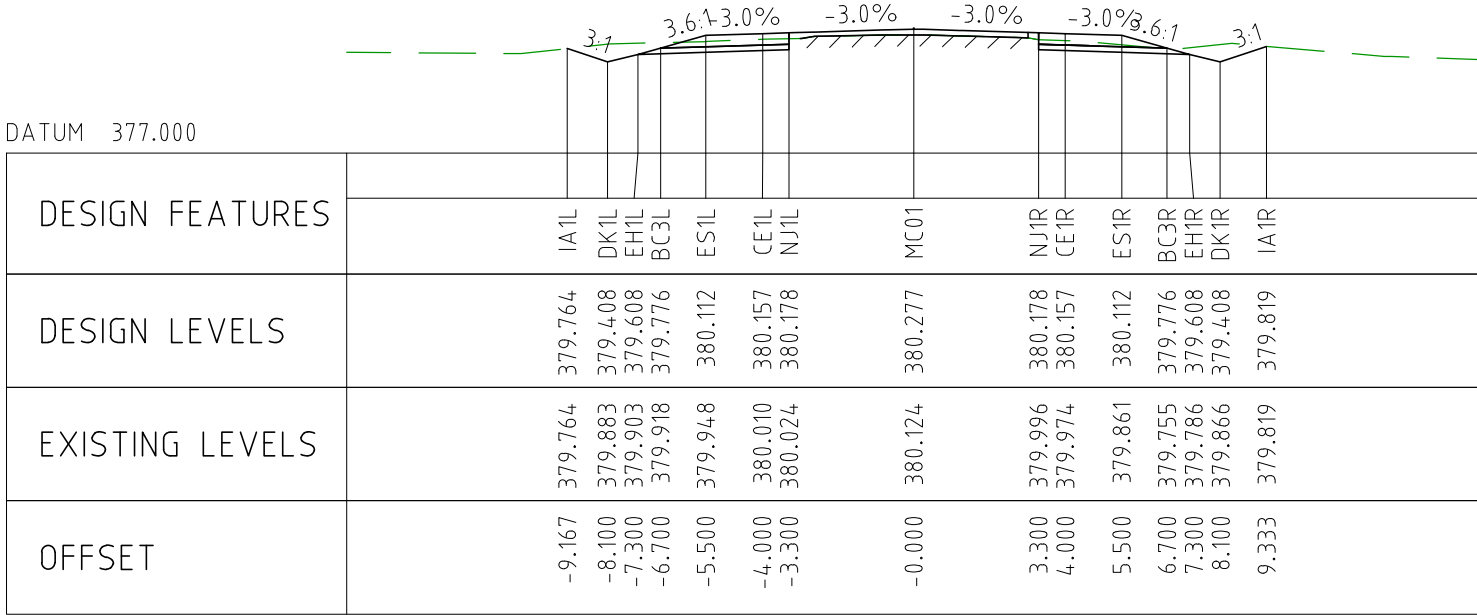
CHAINAGE 23100



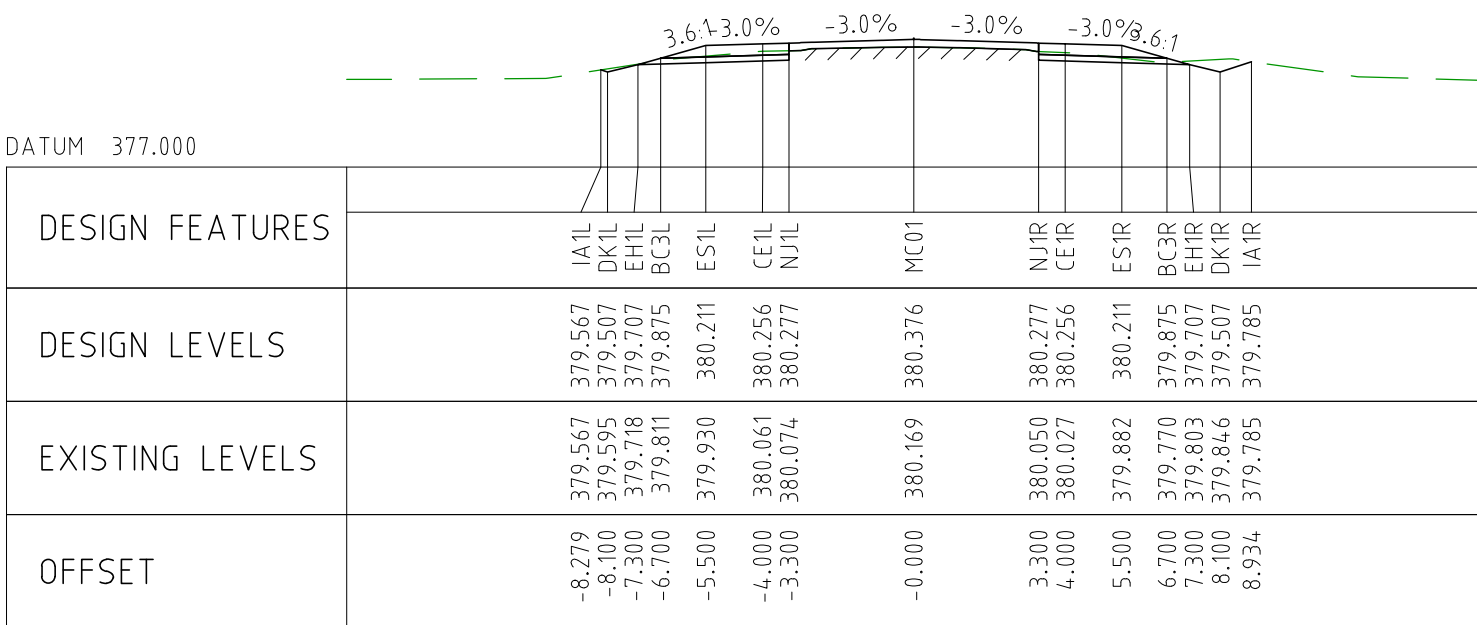
CHAINAGE 23050



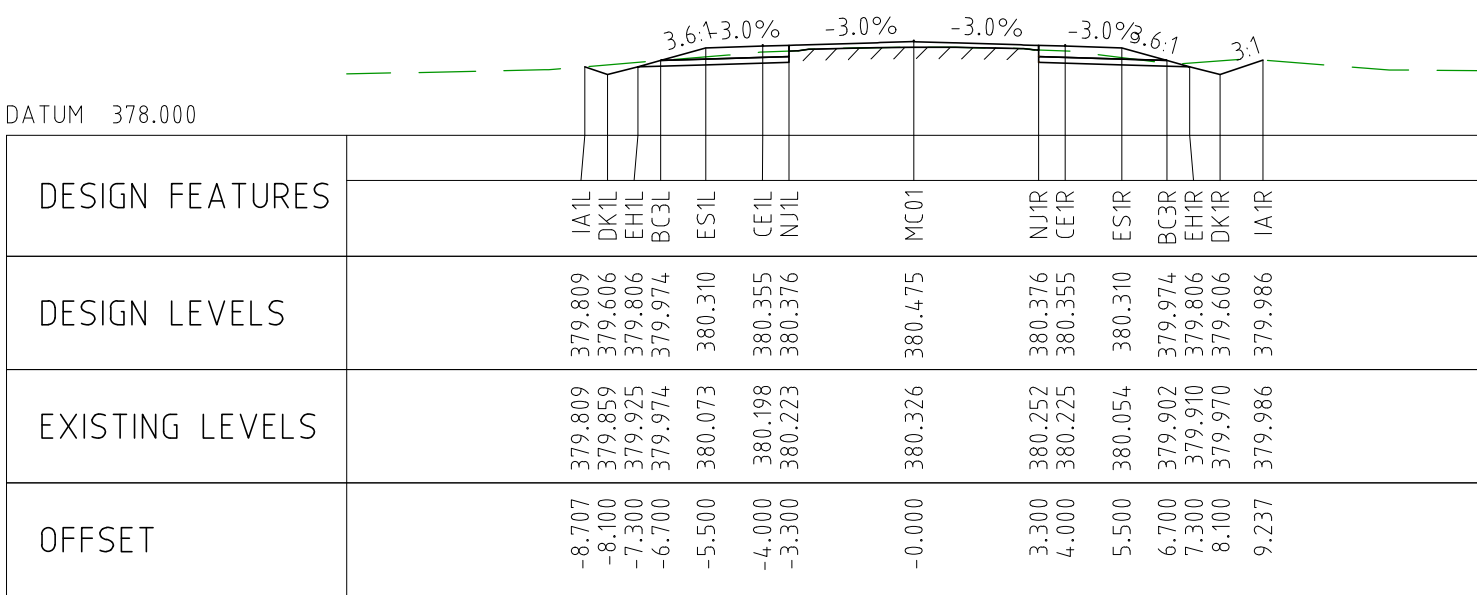
CHAINAGE 23000



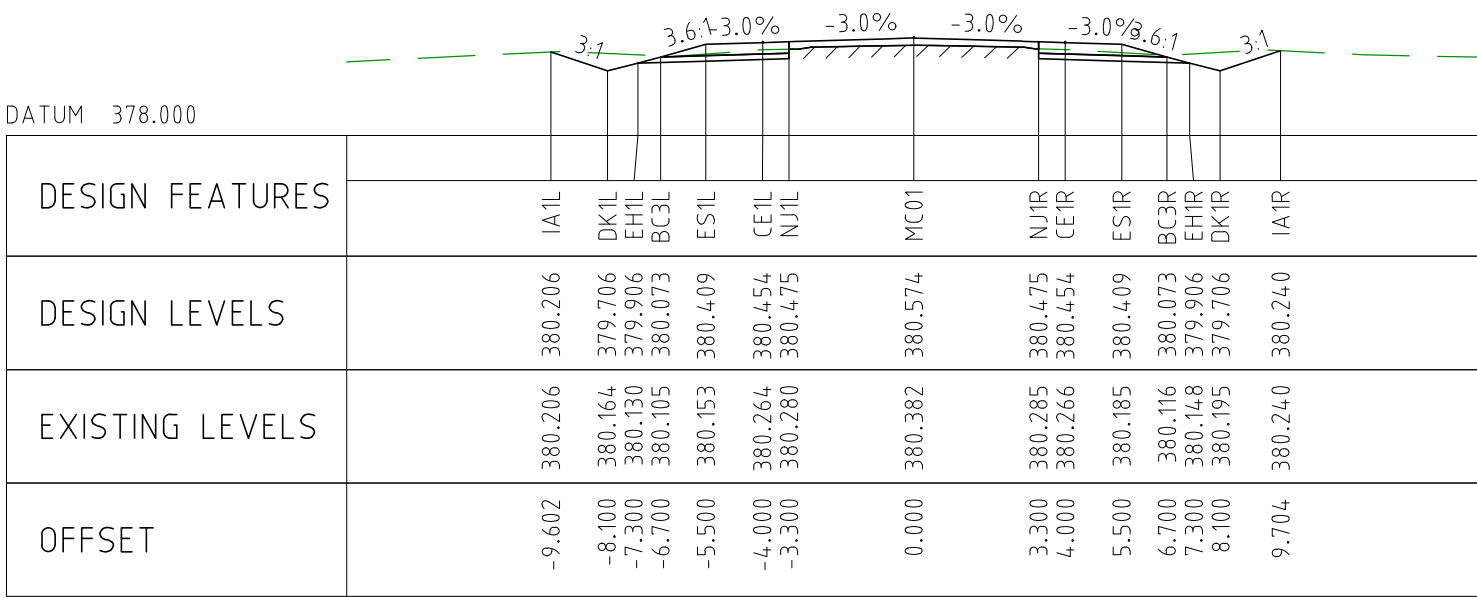
CHAINAGE 23450



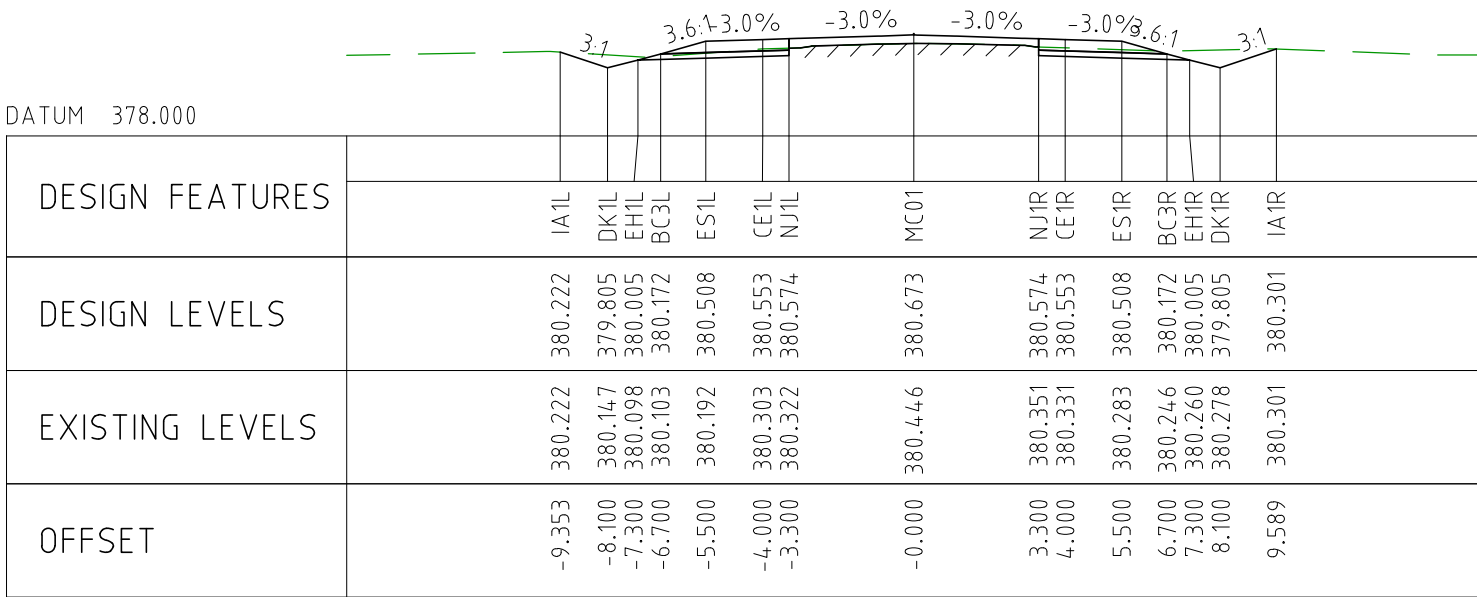
CHAINAGE 23400



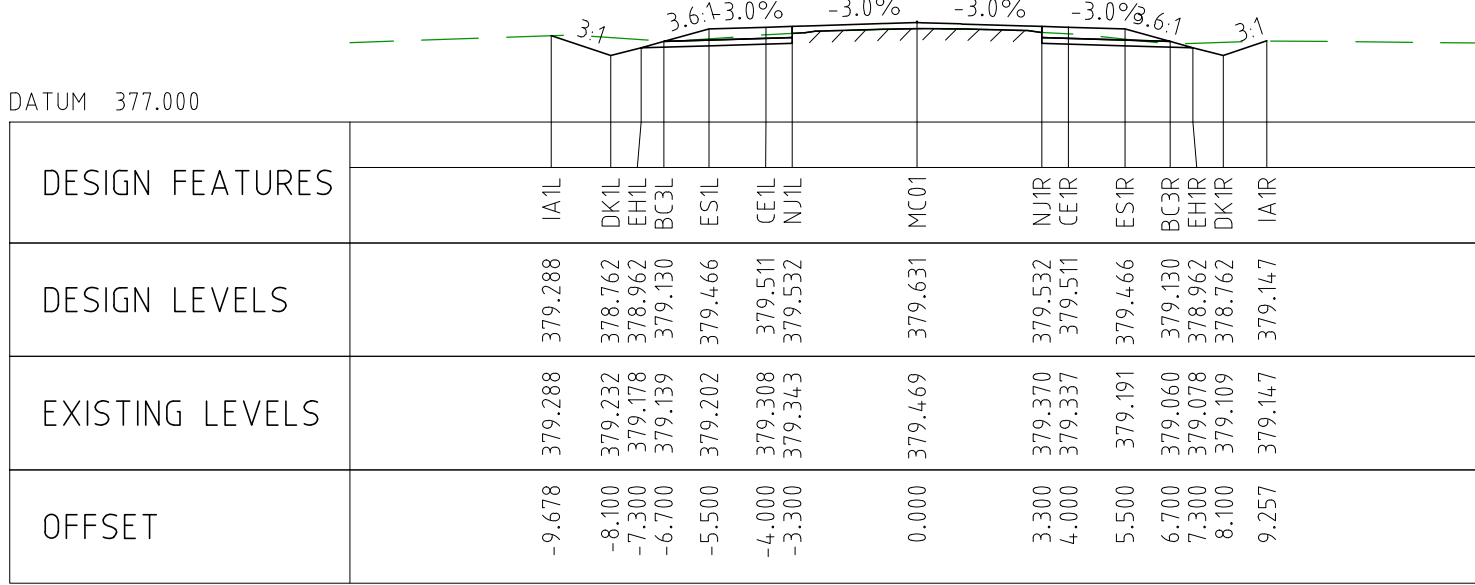
CHAINAGE 23350



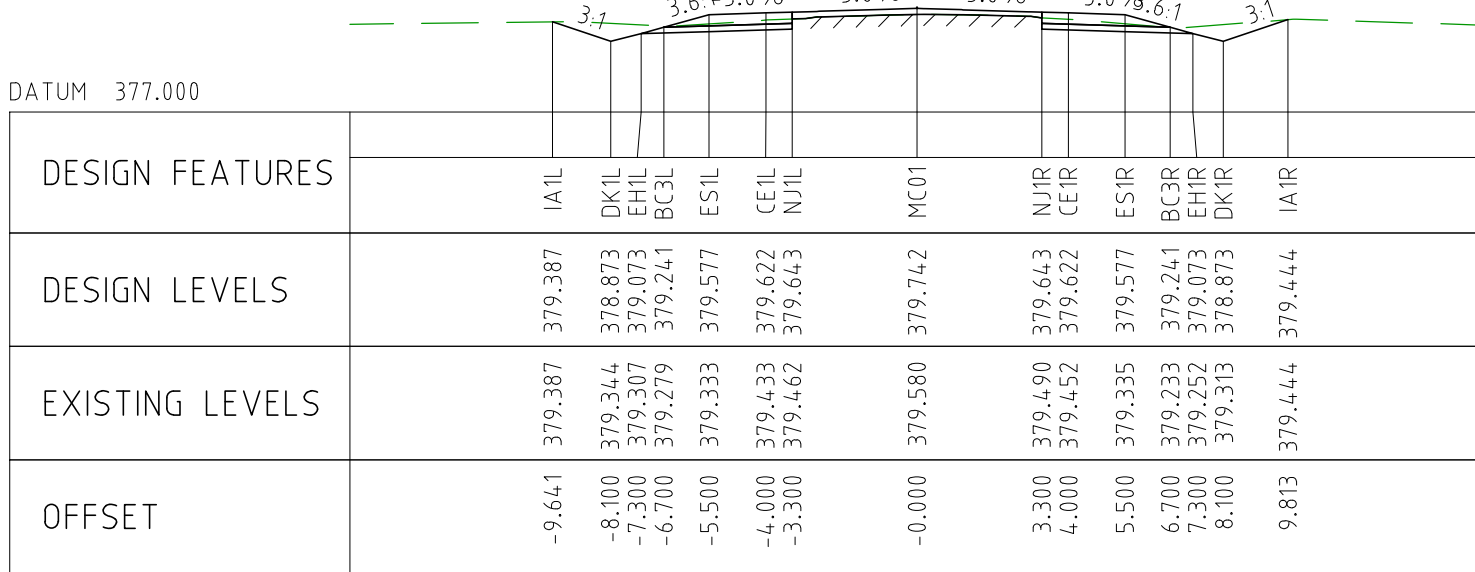
CHAINAGE 23300



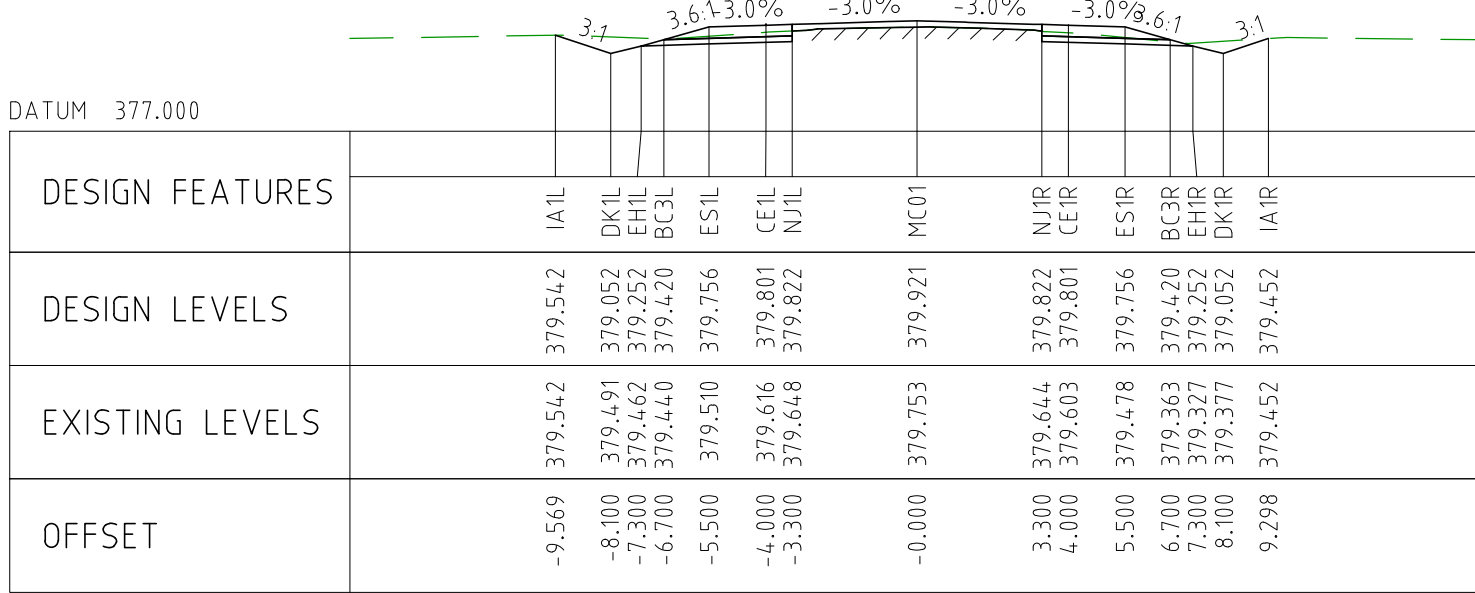
CHAINAGE 23250



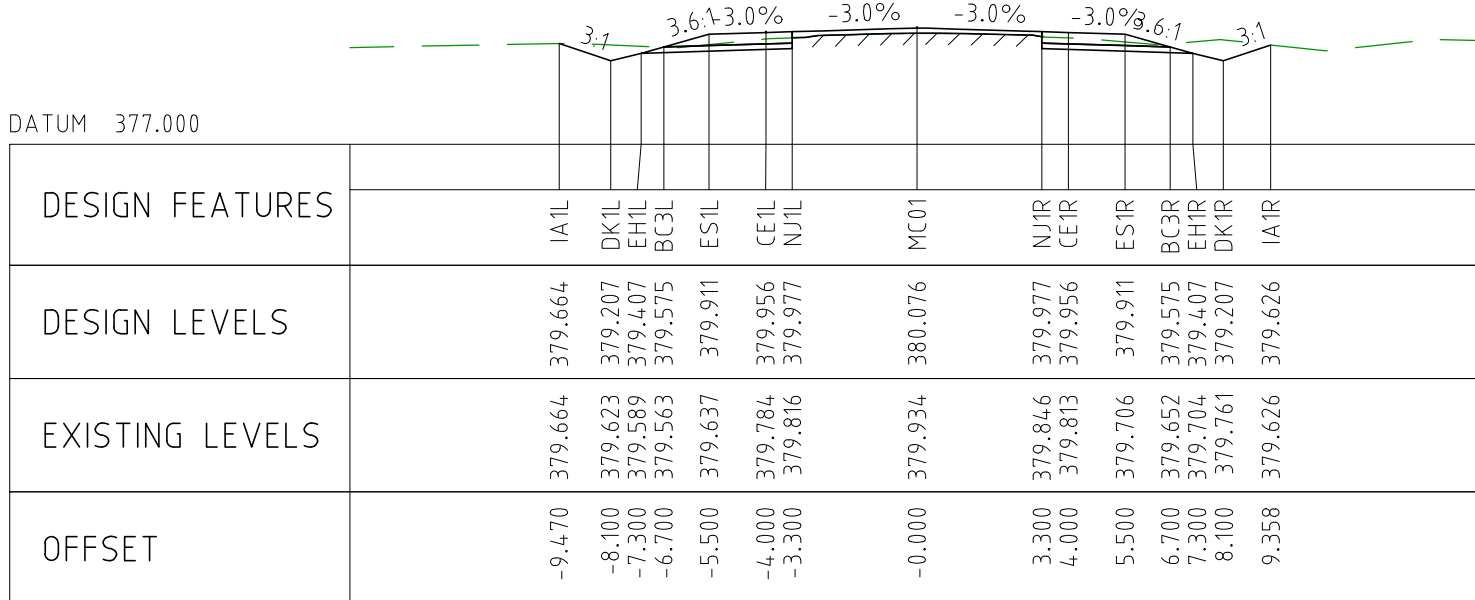
CHAINAGE 23700



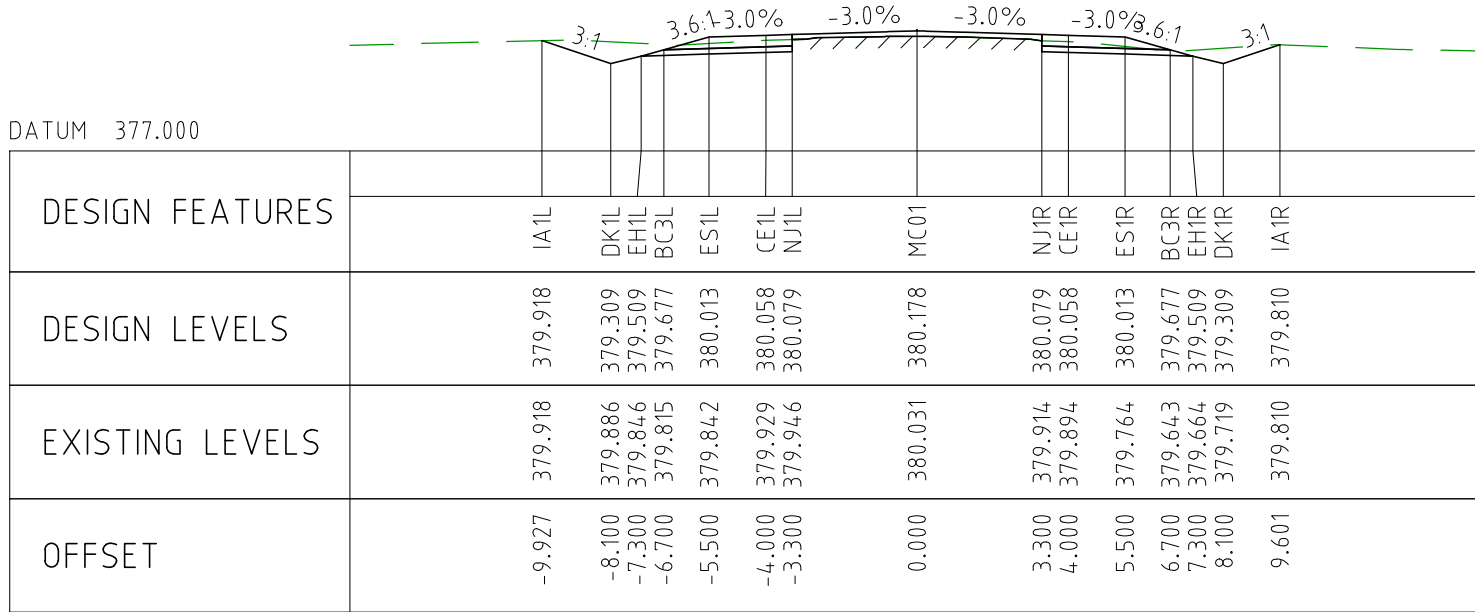
CHAINAGE 23650



CHAINAGE 23600






CHAINAGE 23550

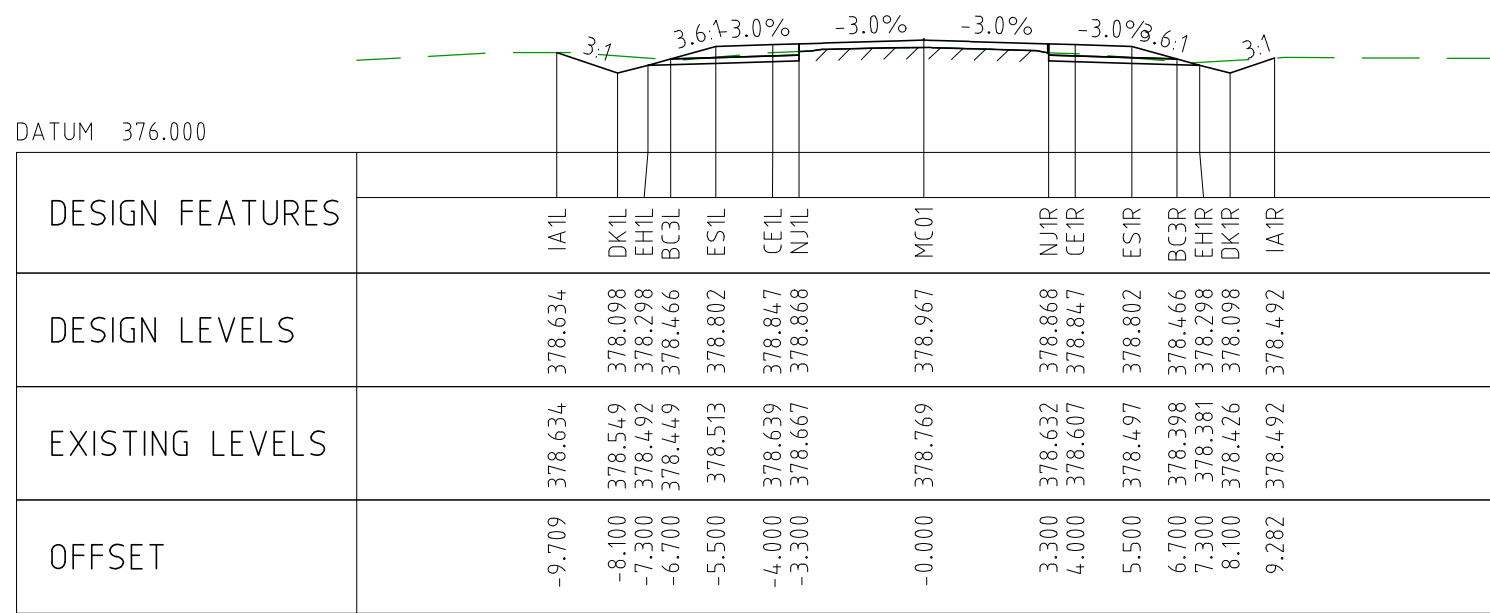


CHAINAGE 23500

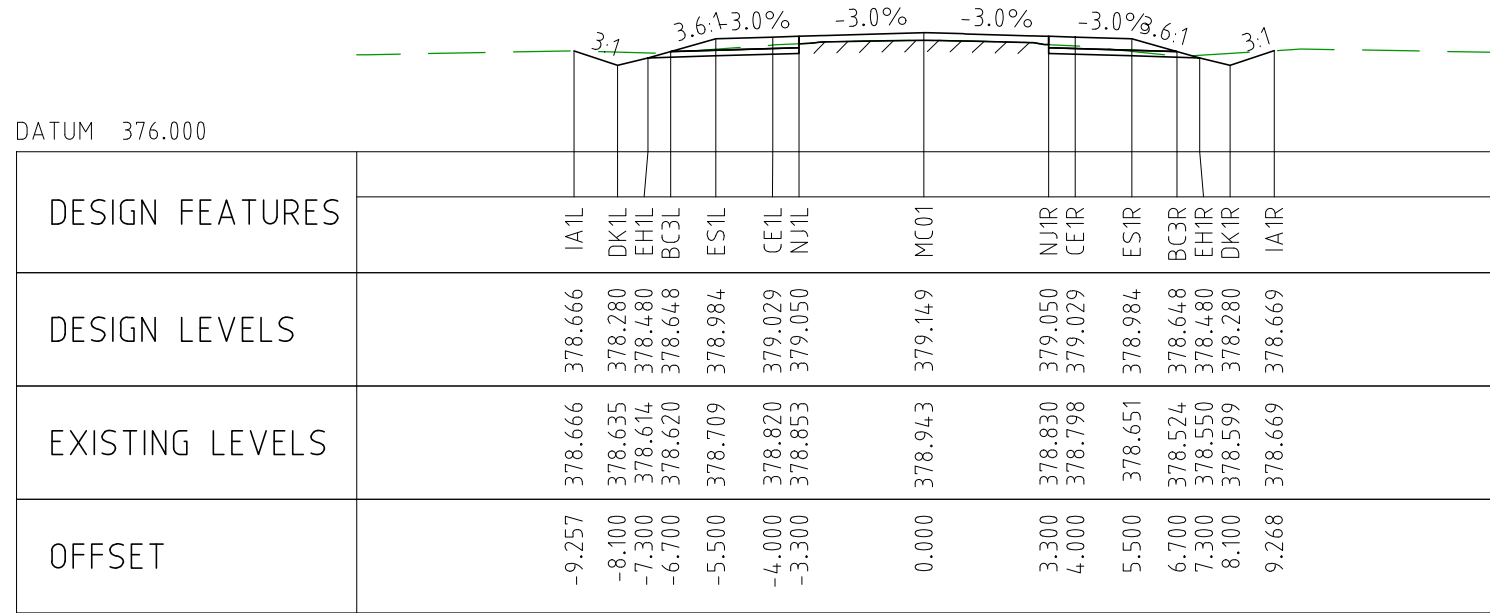
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

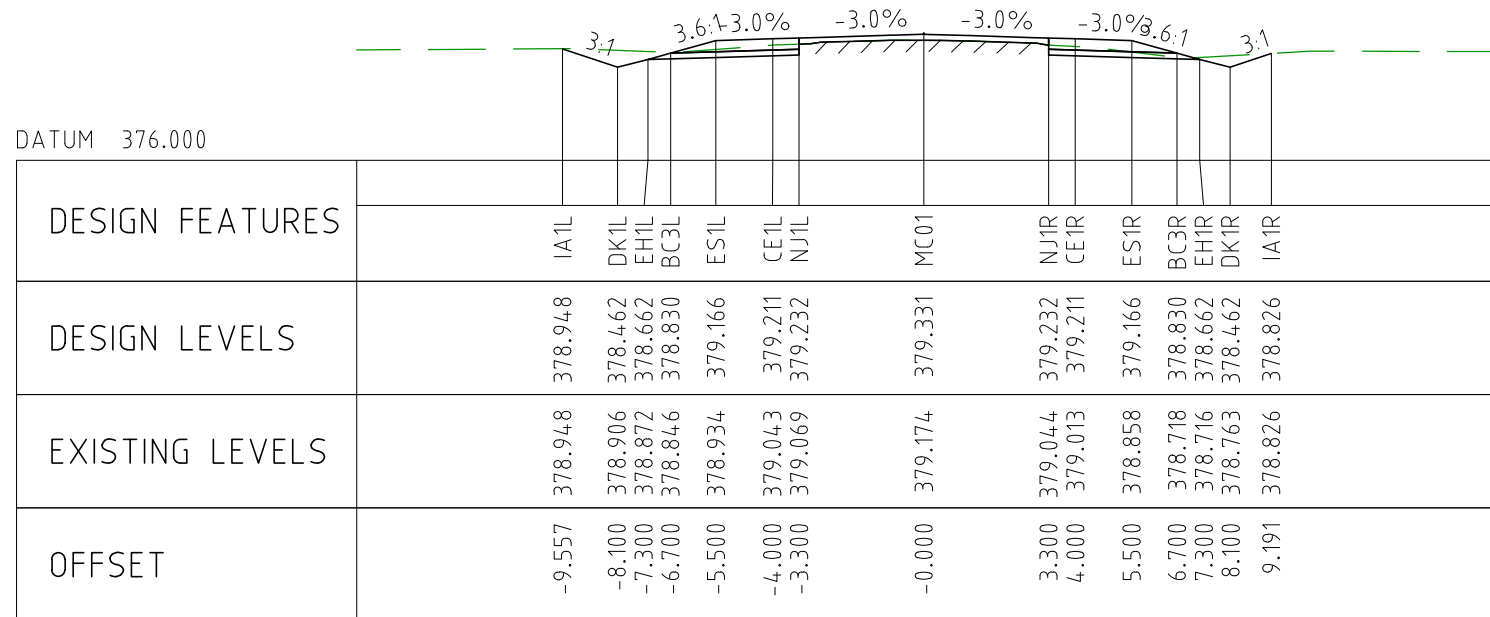
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS32.dwg					PLOT DATE 04 Nov 2022		TIME 12:23:47		CLIENT DOCUMENT No COV-M040-CI-DWG-0144										
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:200</div> <div></div>		<div>DESIGNER</div> <div>SMC</div> <div>Member of the Surbana Jurong Group</div> <div>© ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div>covalent LITHIUM</div>		<div>PROJECT TITLE</div> <div>MOUNT HOLLAND LITHIUM MINE</div> <div>PARKER RANGE ROAD</div> <div>CROSS SECTIONS - MC01</div> <div>SHEET 32 OF 41</div>		SCALE	PHASE	PROJECT / DRAWING No	REVISION
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW									1:200	DETAILED	3006493-XS32	0
						DRAFTING CHECK	TM												
						DESIGNER	TM												
						DESIGN CHECK	TM												
						PROJECT MANAGER	DM												
					PROJECT DIRECTOR	RJ													



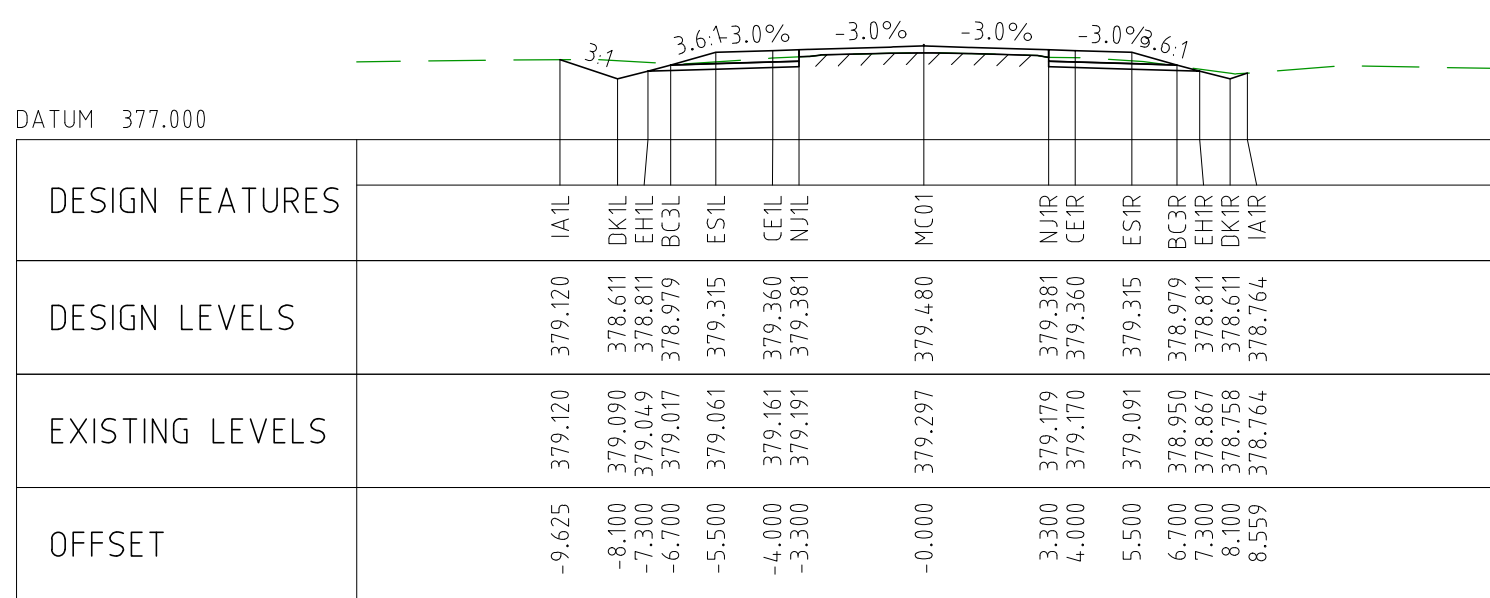
CHAINAGE 23950



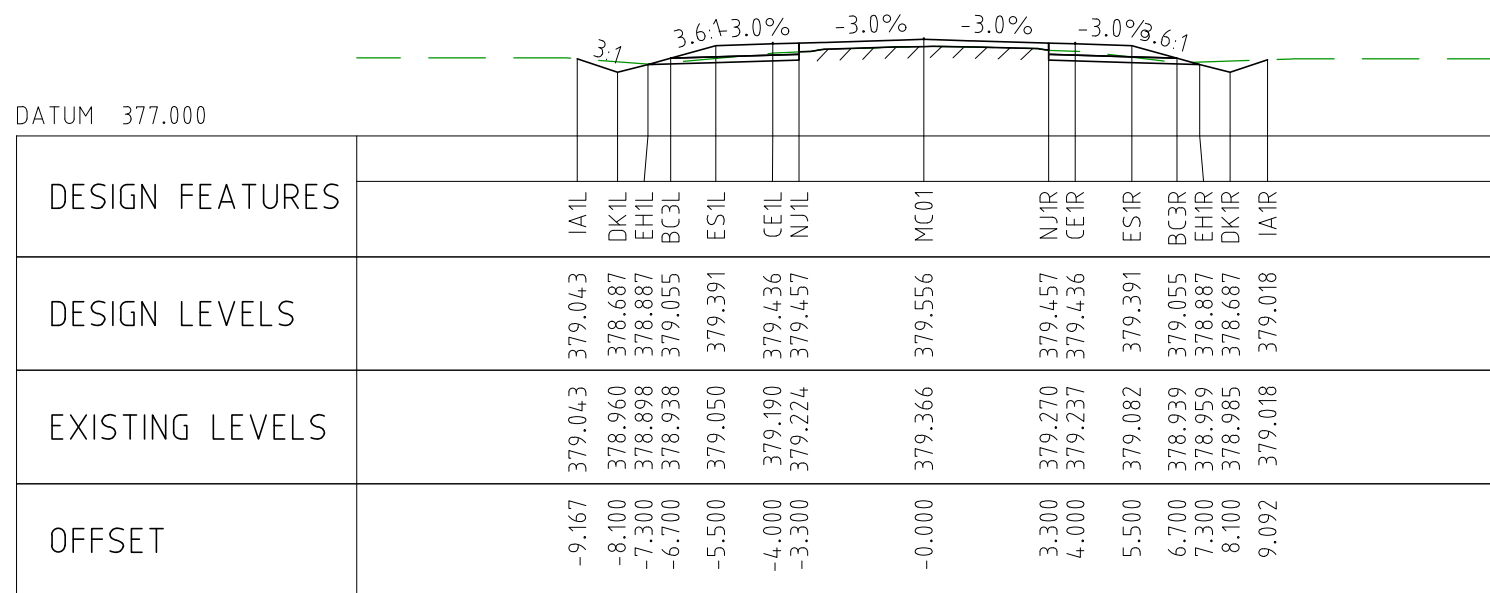
CHAINAGE 23900



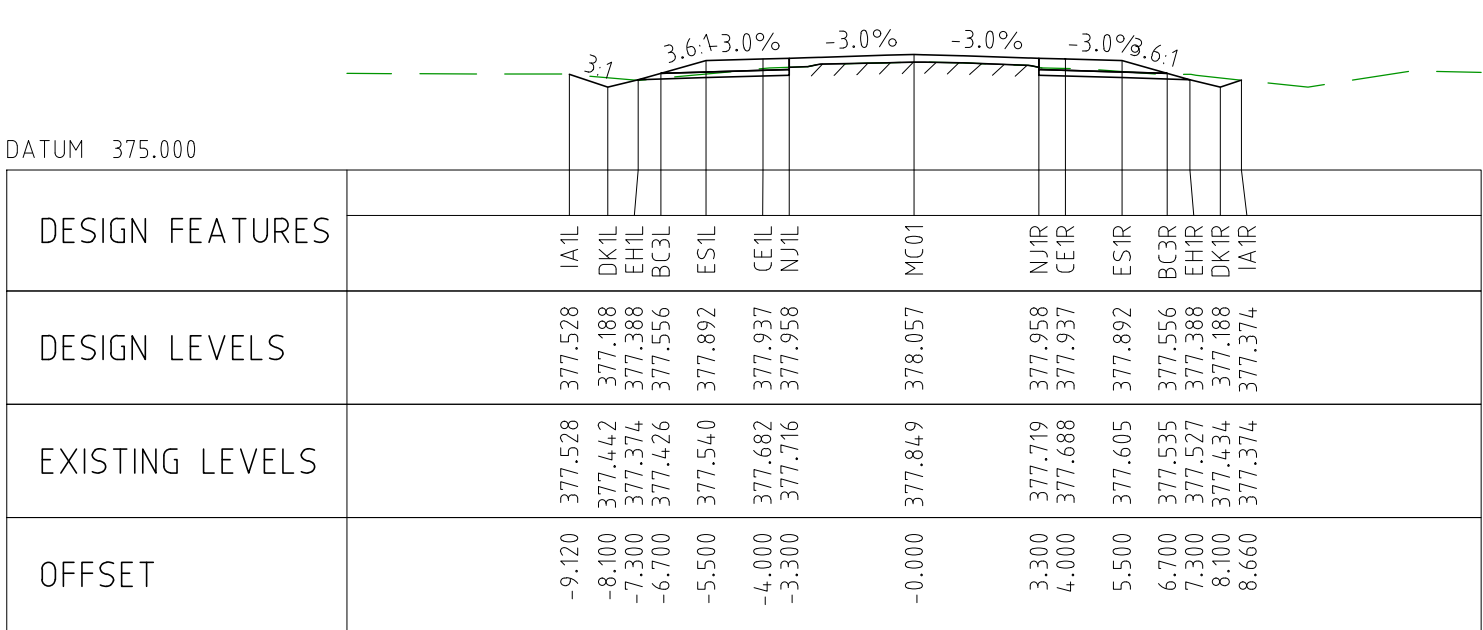
CHAINAGE 23850



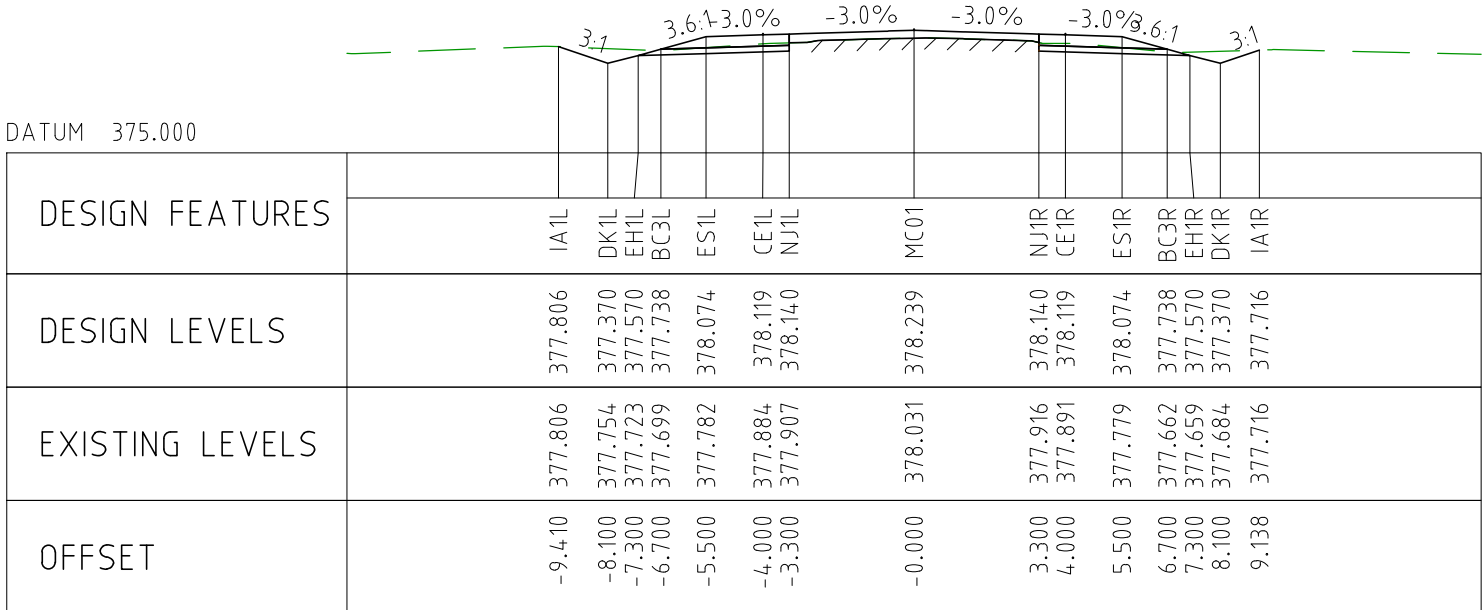
CHAINAGE 23800



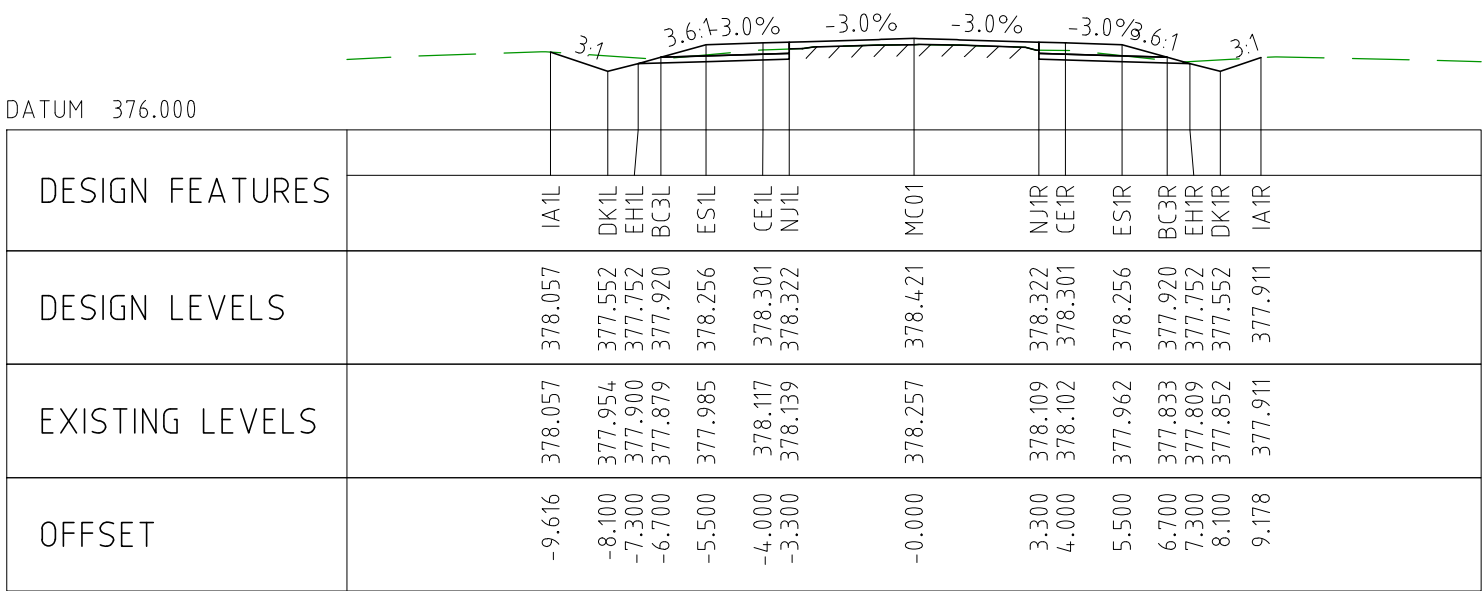
CHAINAGE 23750



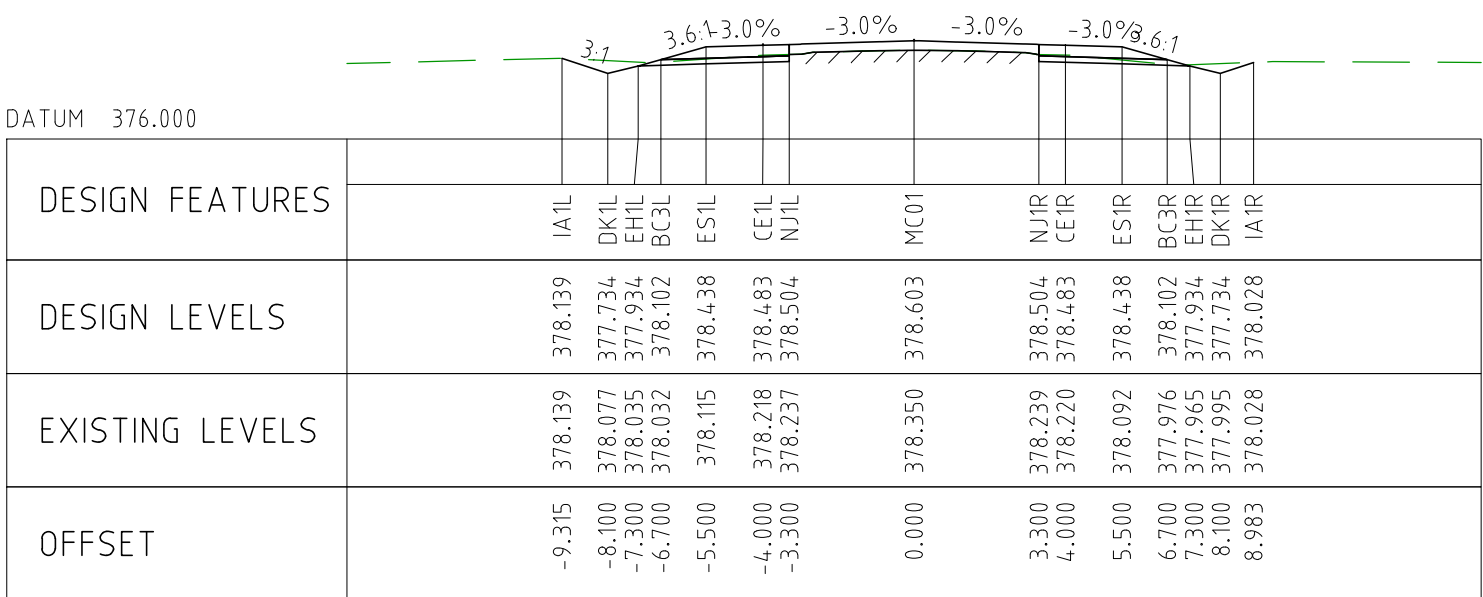
CHAINAGE 24200



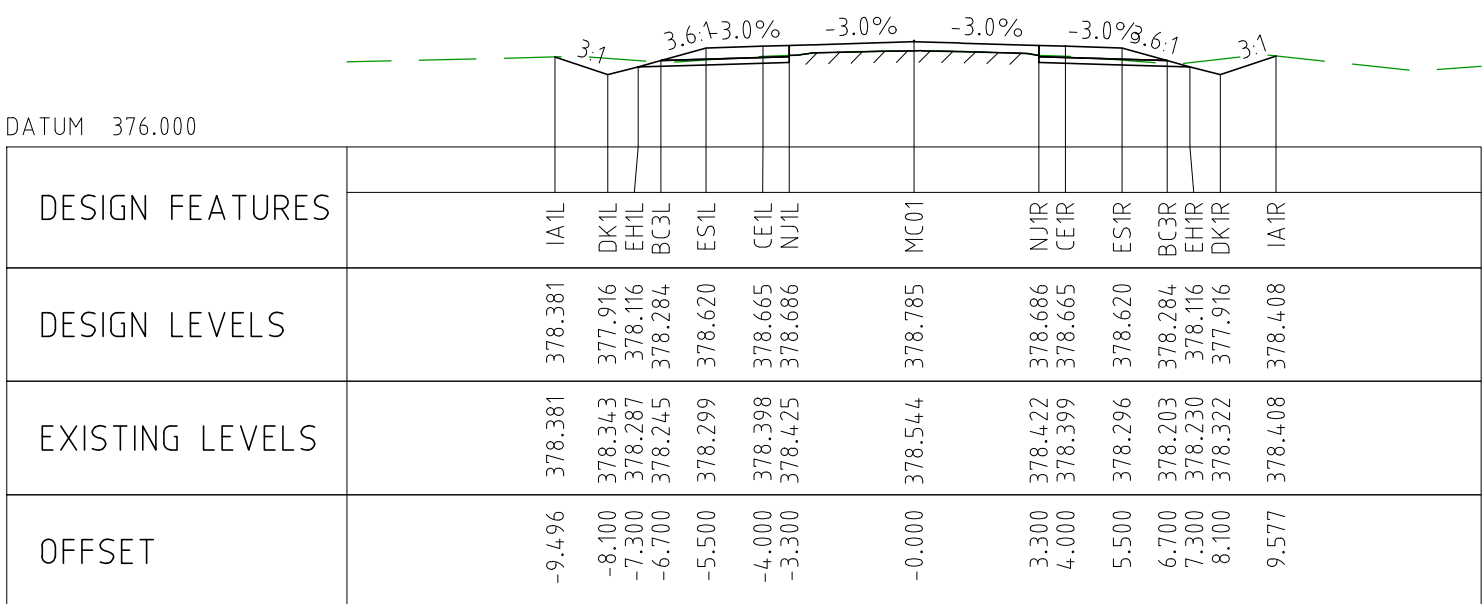
CHAINAGE 24150



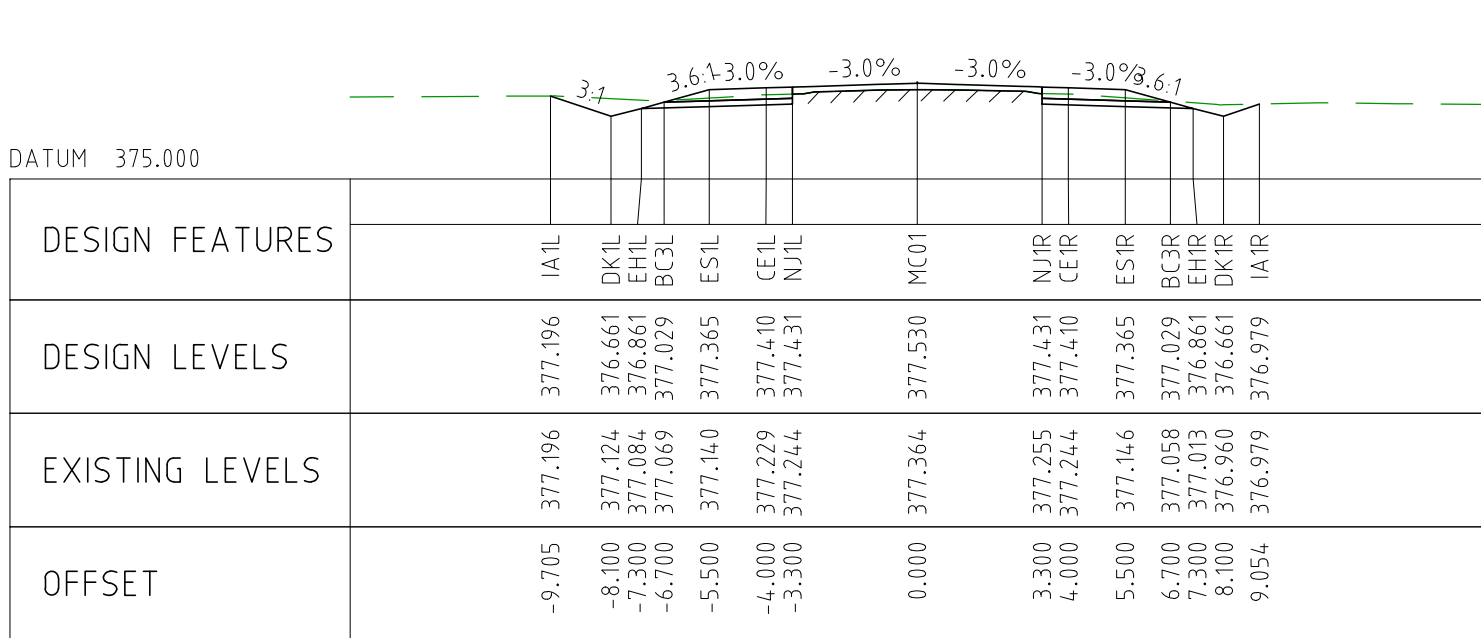
CHAINAGE 24100



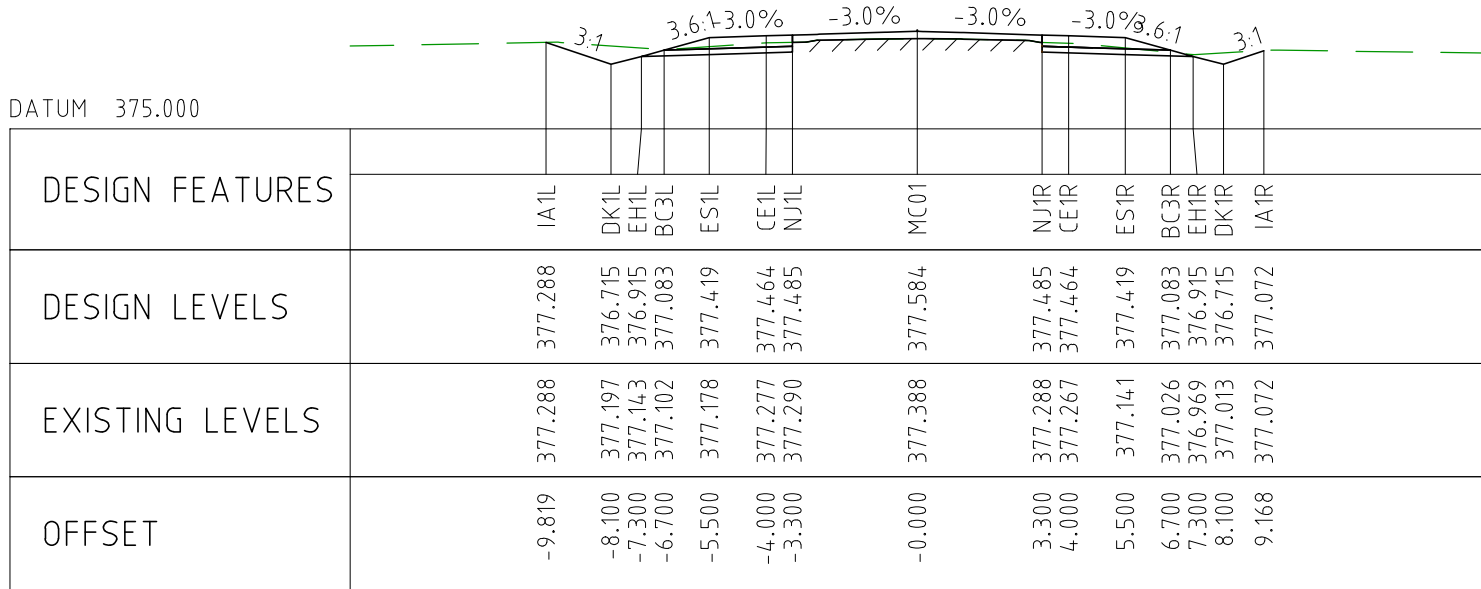
CHAINAGE 24050



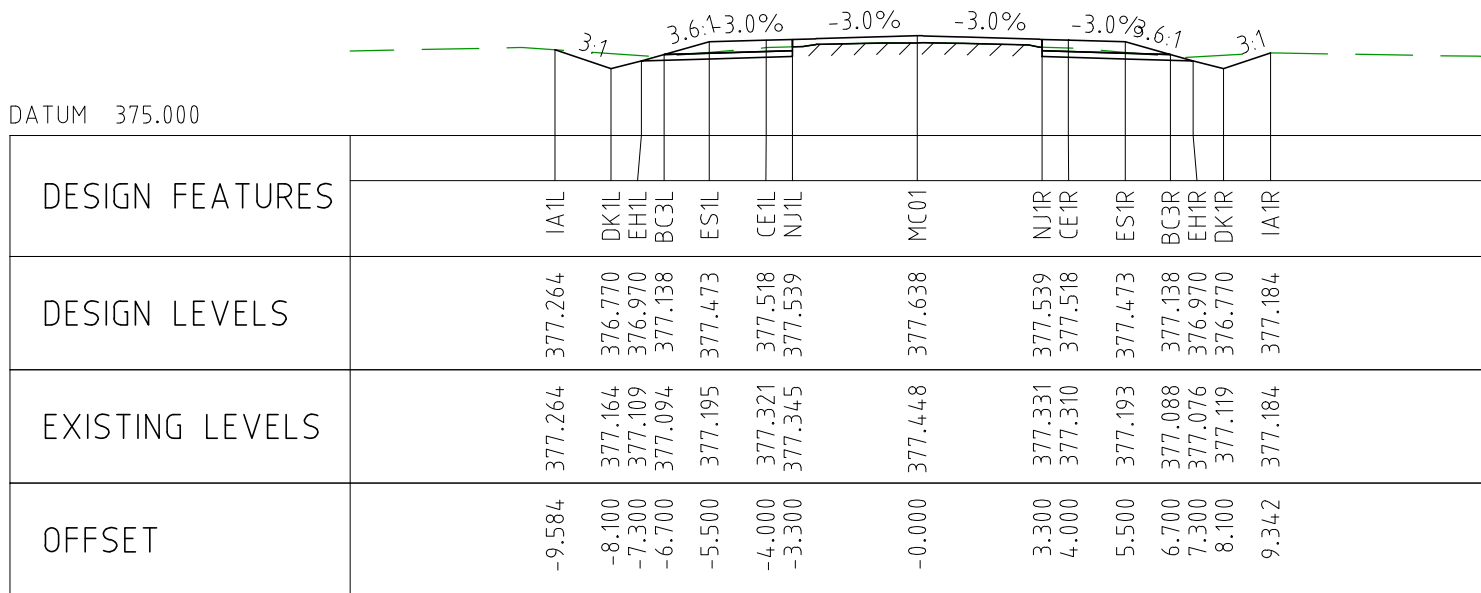
CHAINAGE 24000



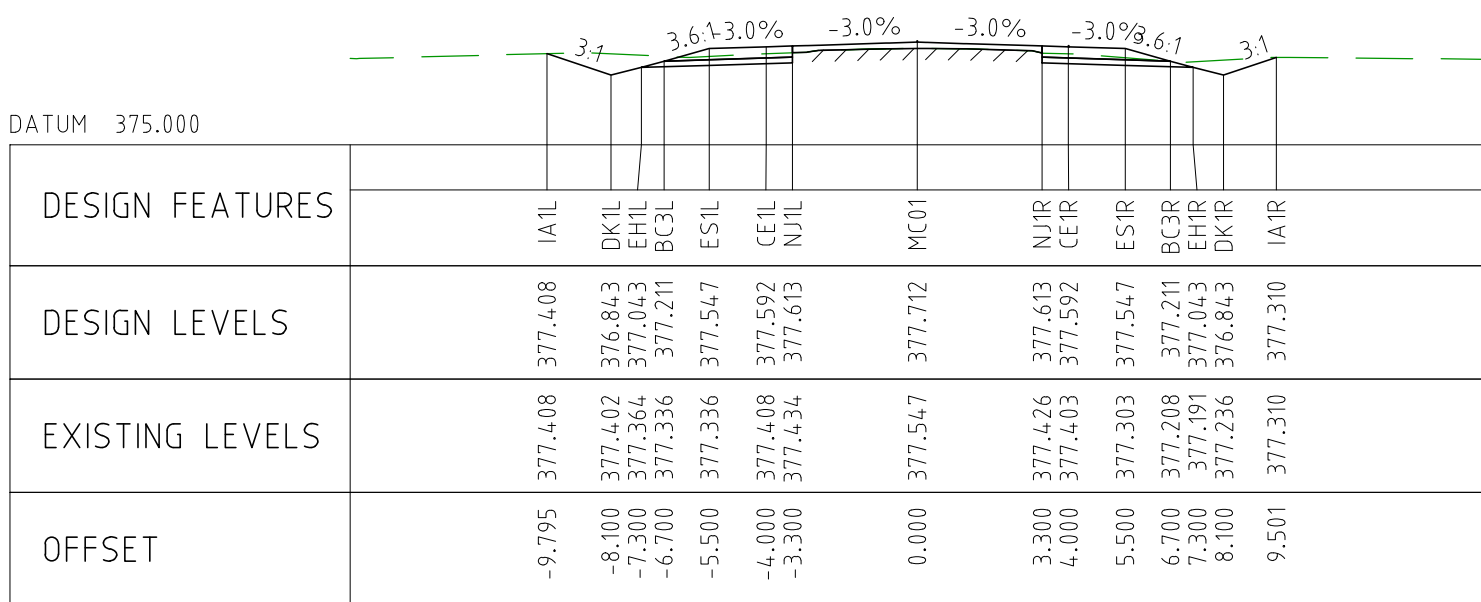
CHAINAGE 24450



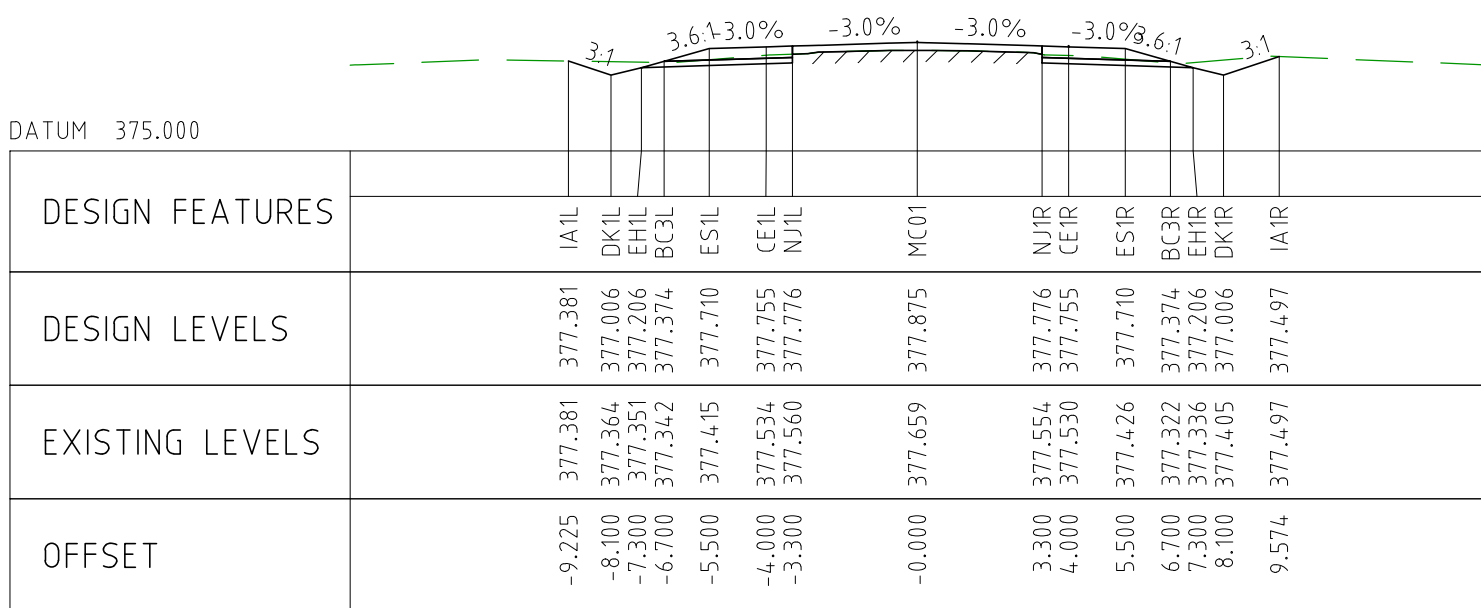
CHAINAGE 24400



CHAINAGE 24350




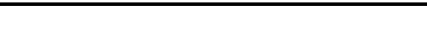

CHAINAGE 24300

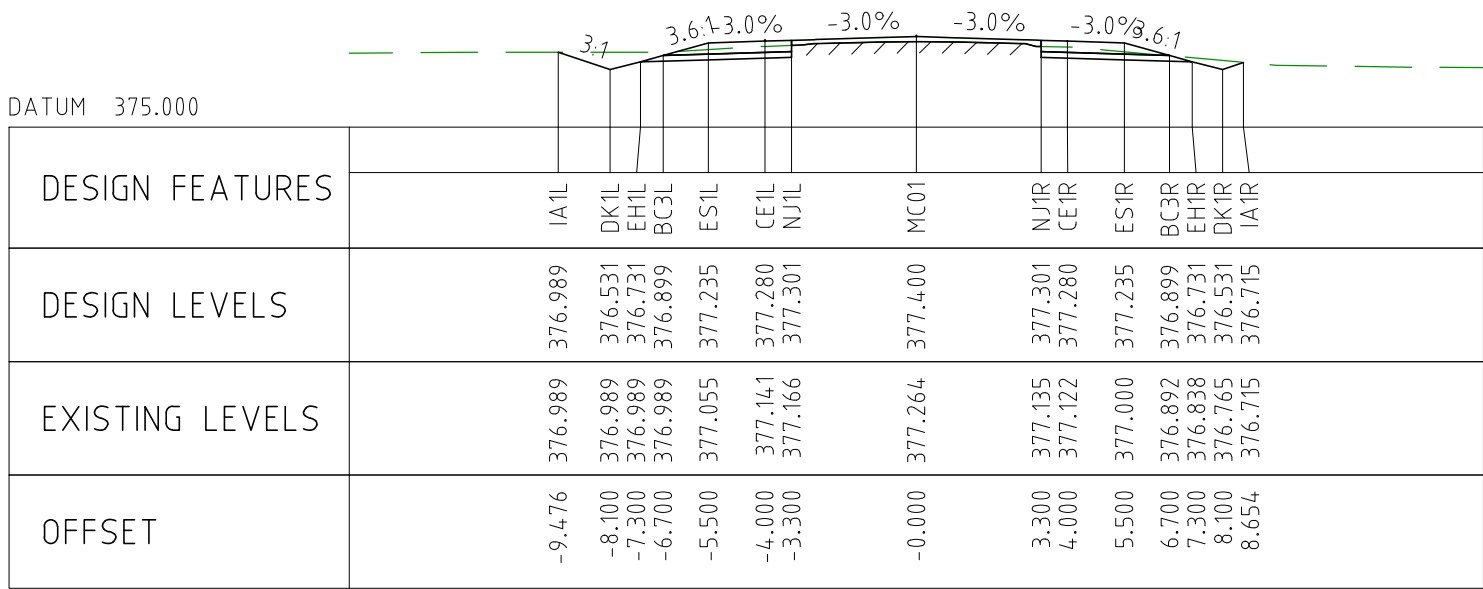


CHAINAGE 24250

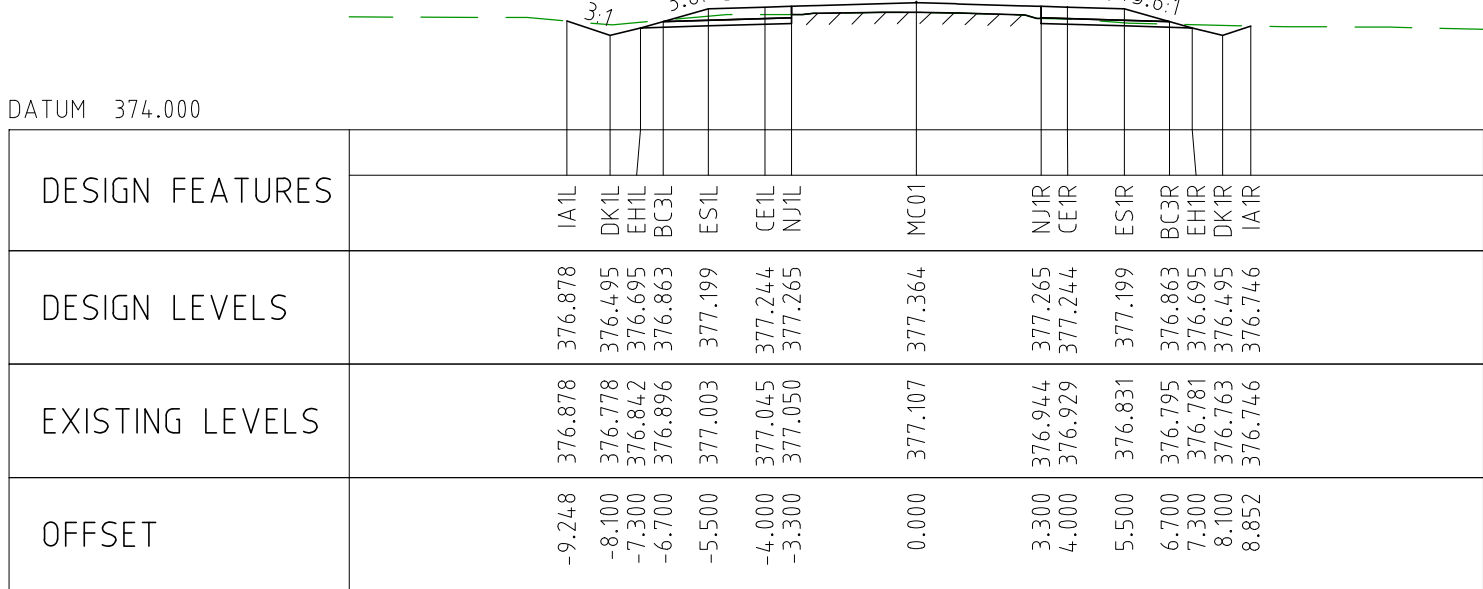
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

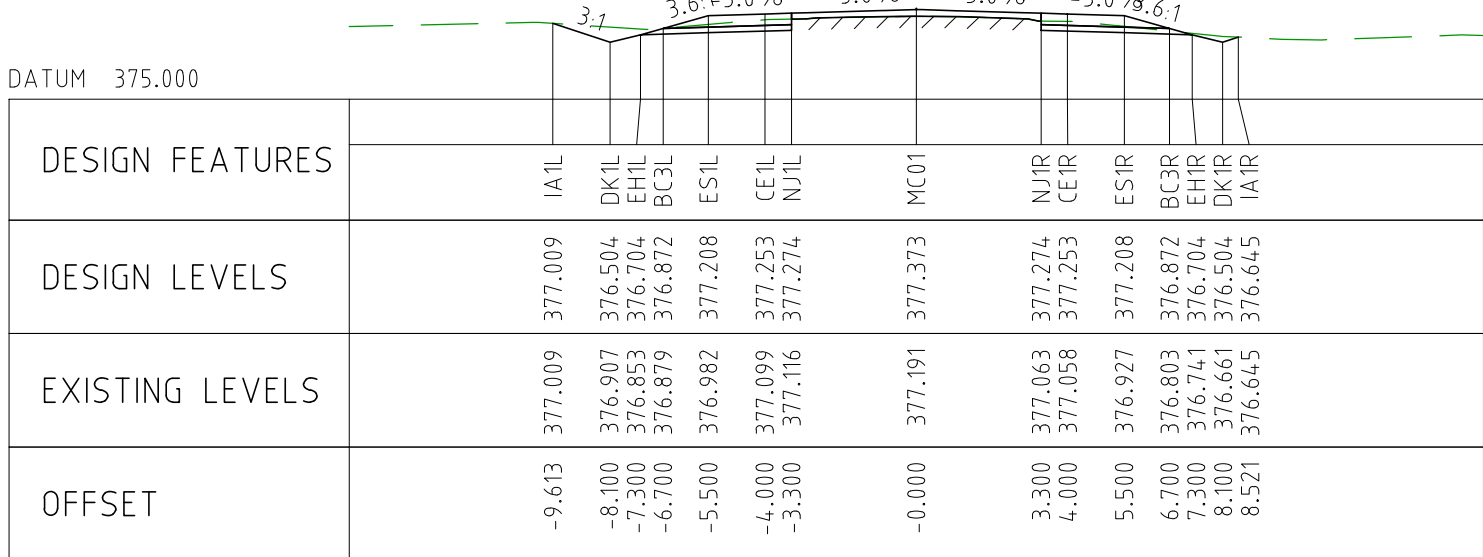
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS33.dwg					PLOT DATE 04 Nov 2022		TIME 12:24:37		CLIENT DOCUMENT No COV-M040-CI-DWG-0145									
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 33 OF 41		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS33	REVISION 0	
	0	04.11.22	ISSUED FOR CONSTRUCTION	003		DRAFTER	JW											
						DRAFTING CHECK	TM											
						DESIGNER	TM											
						DESIGN CHECK	TM											
						PROJECT MANAGER	DM											
						PROJECT DIRECTOR	RI											



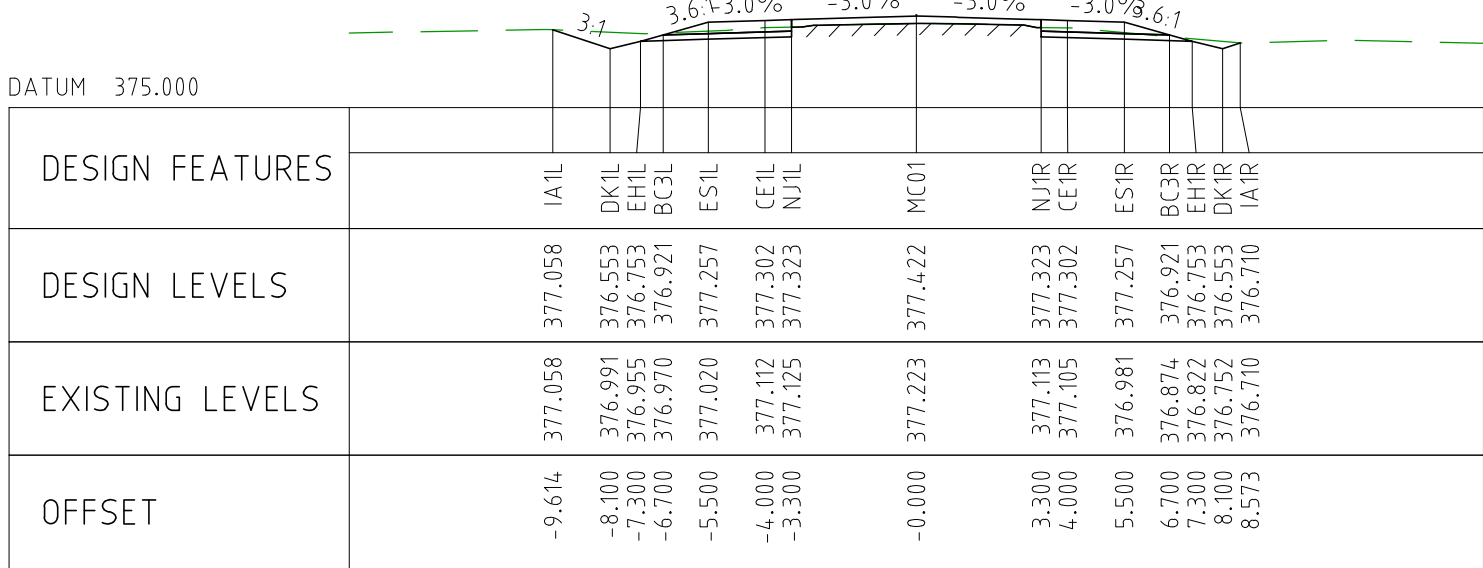
CHAINAGE 24700



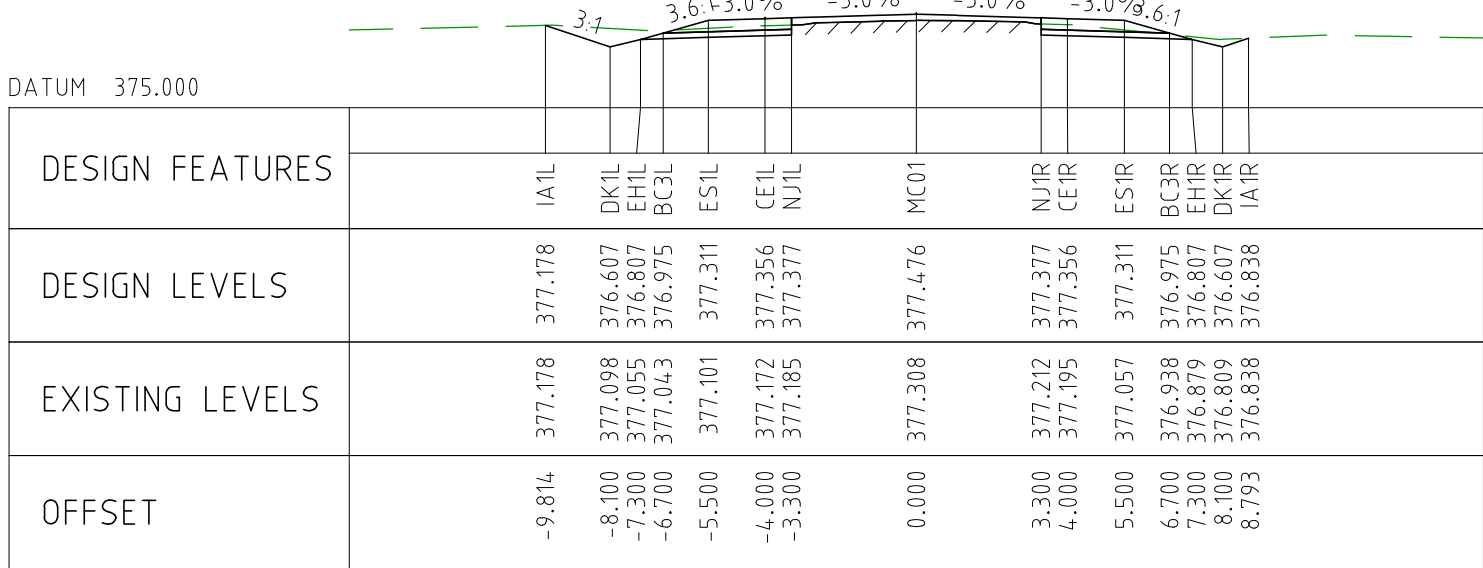
CHAINAGE 24650



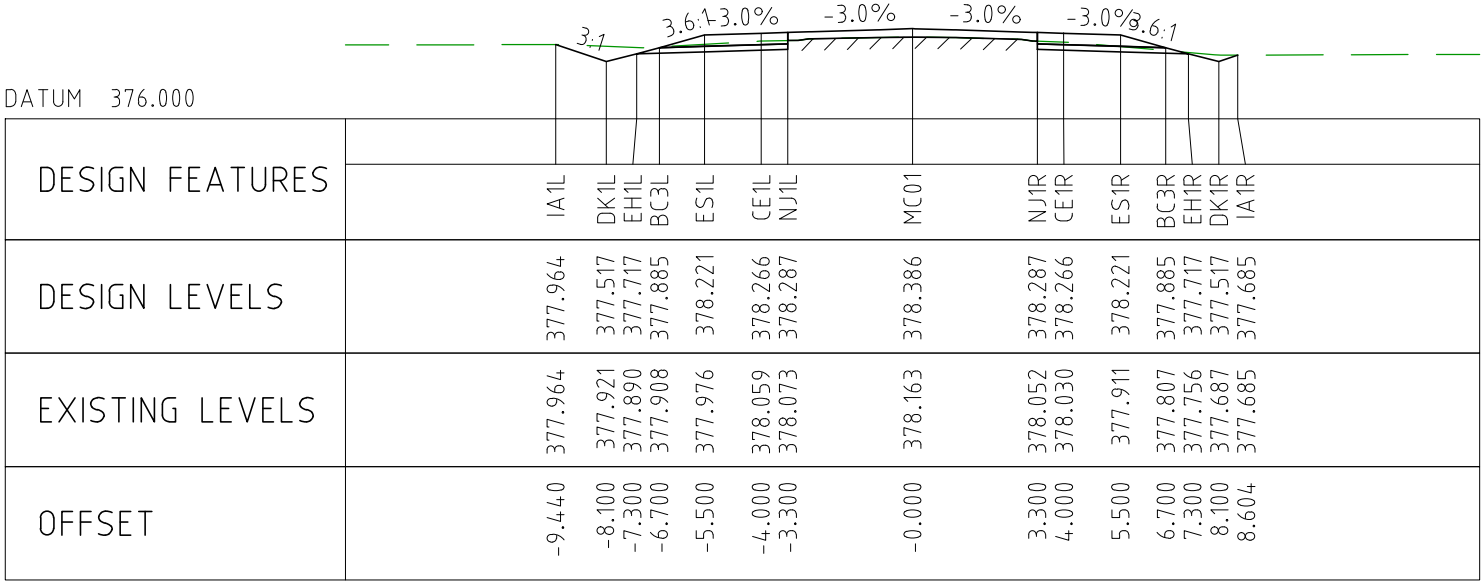
CHAINAGE 24600



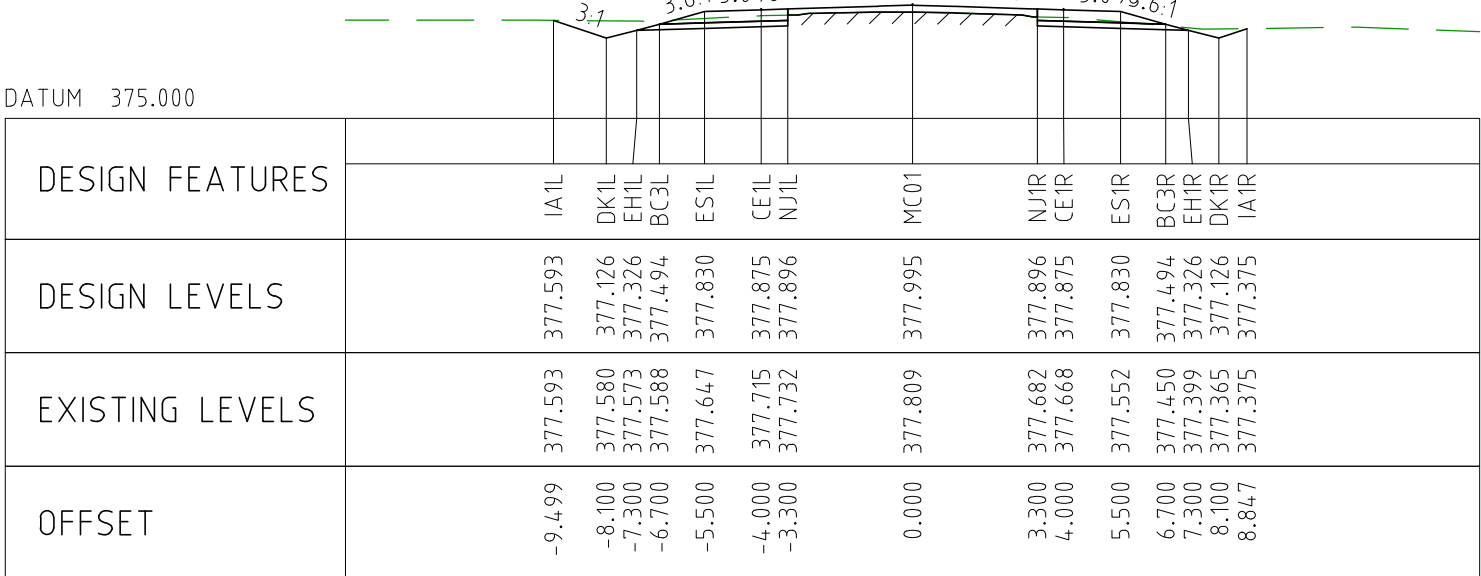
CHAINAGE 24550



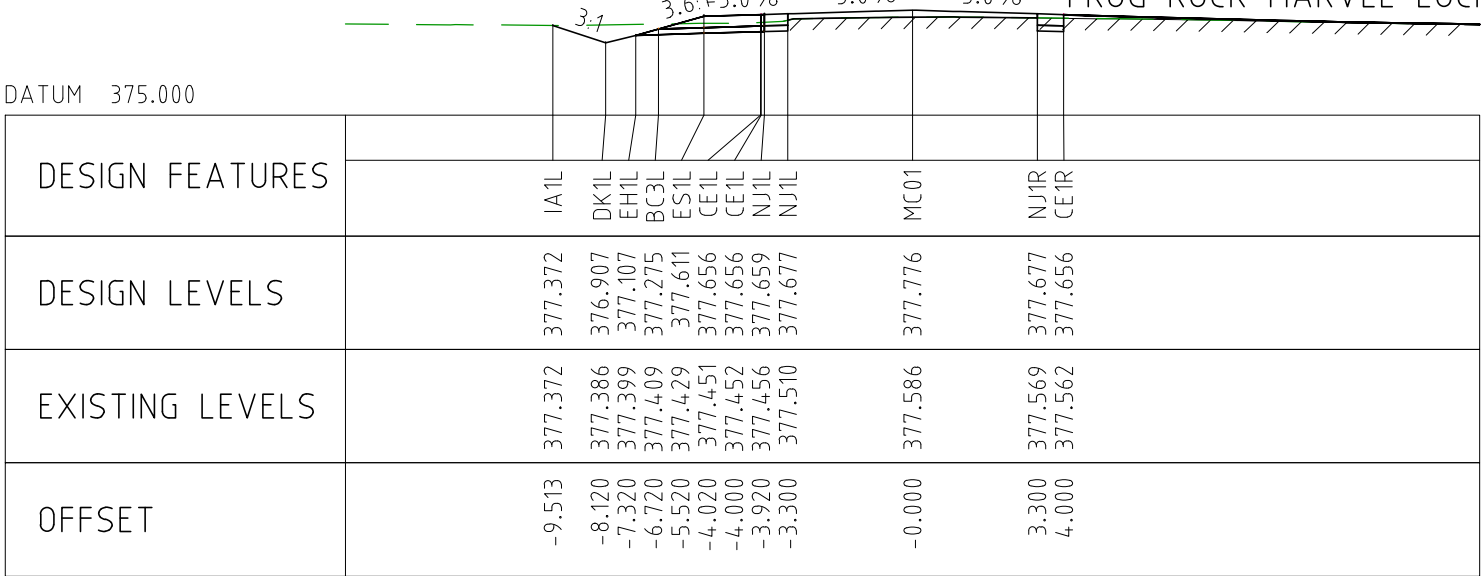
CHAINAGE 24500



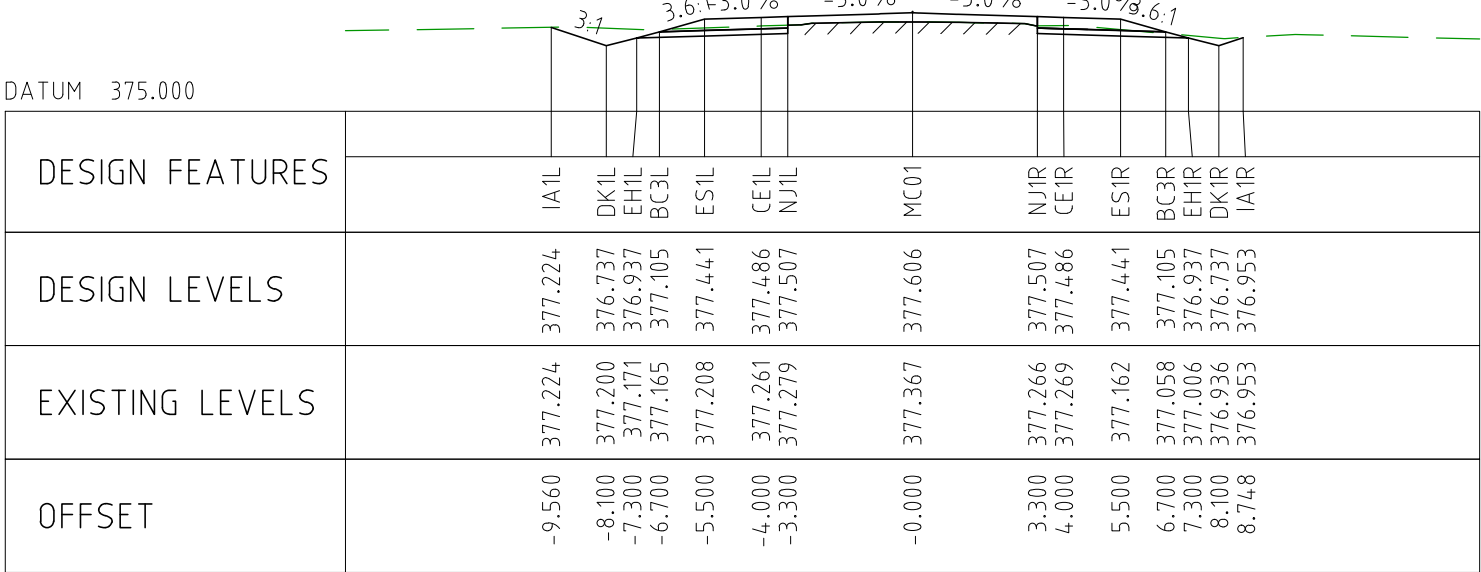
CHAINAGE 24950



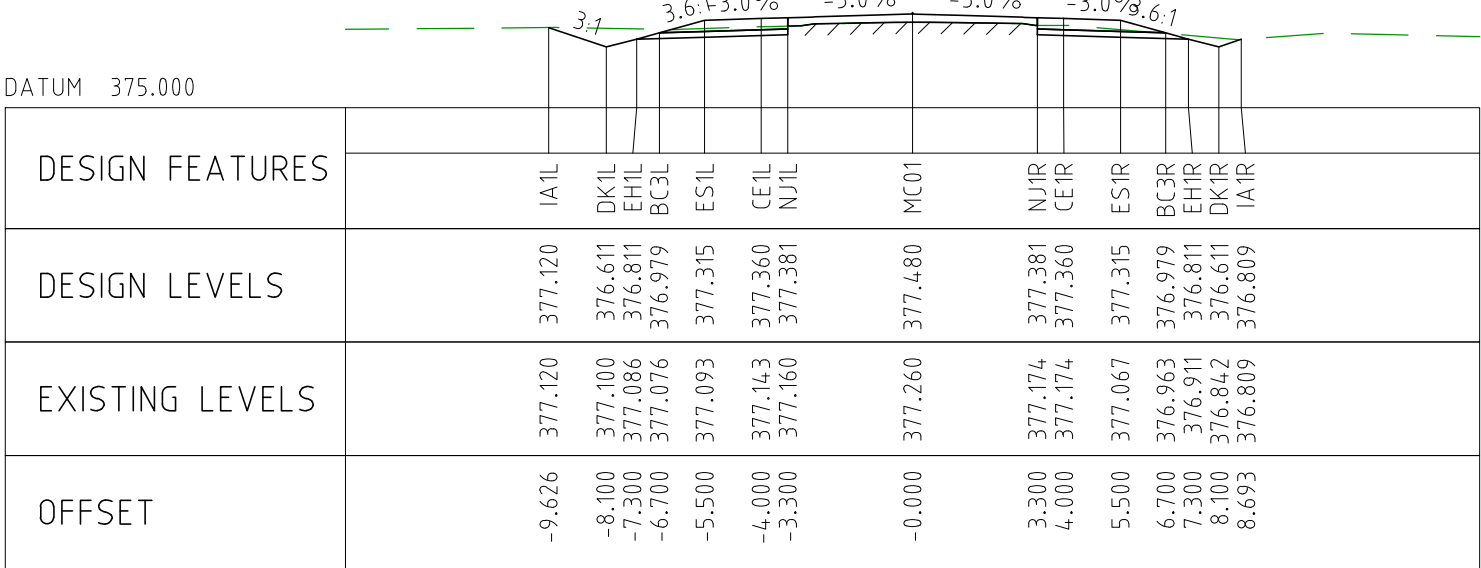
CHAINAGE 24900



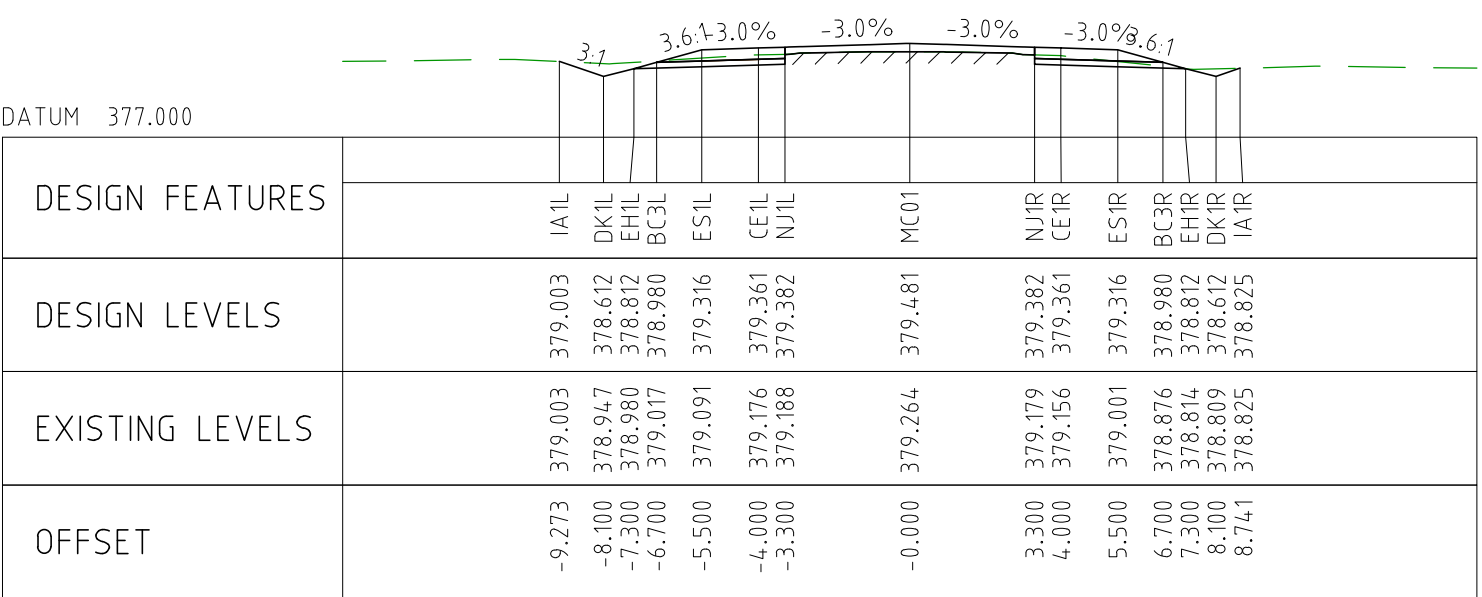
CHAINAGE 24850



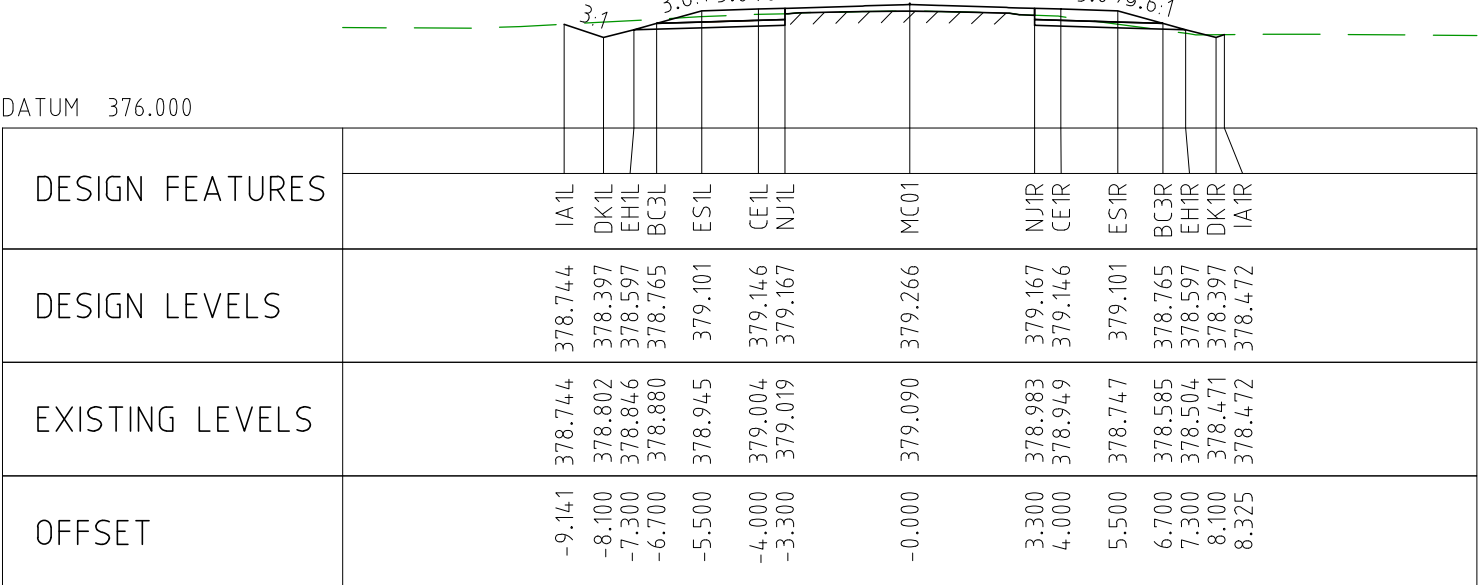
CHAINAGE 24800



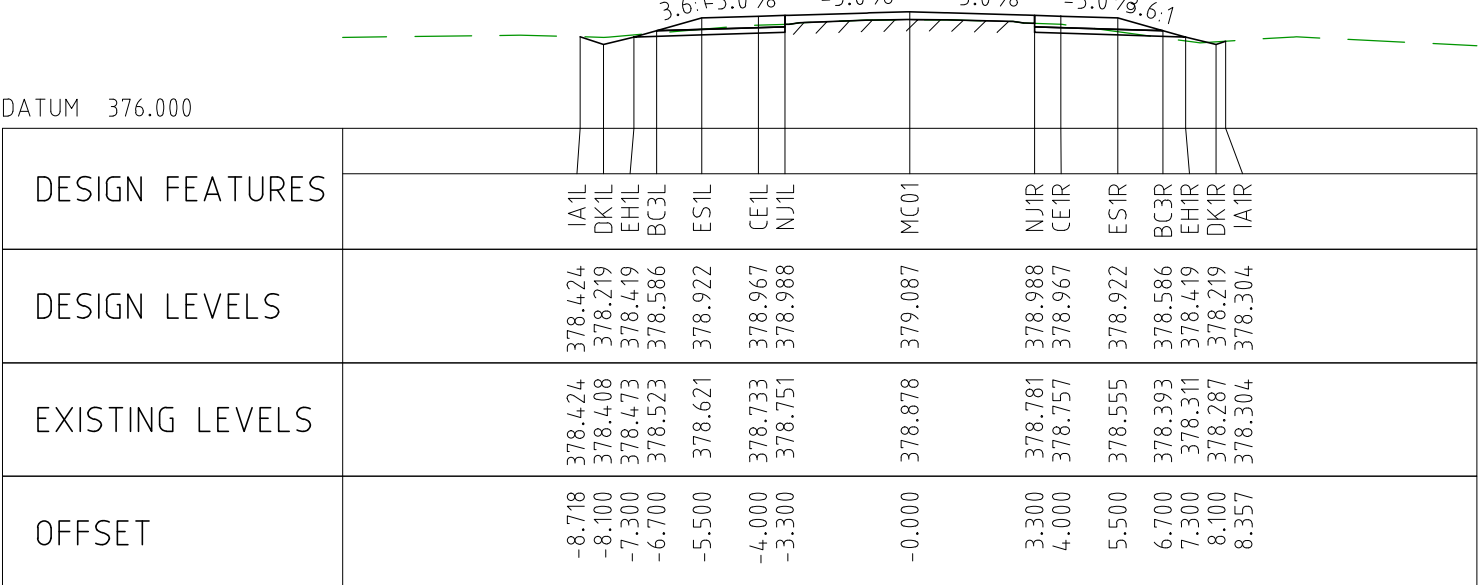
CHAINAGE 24750



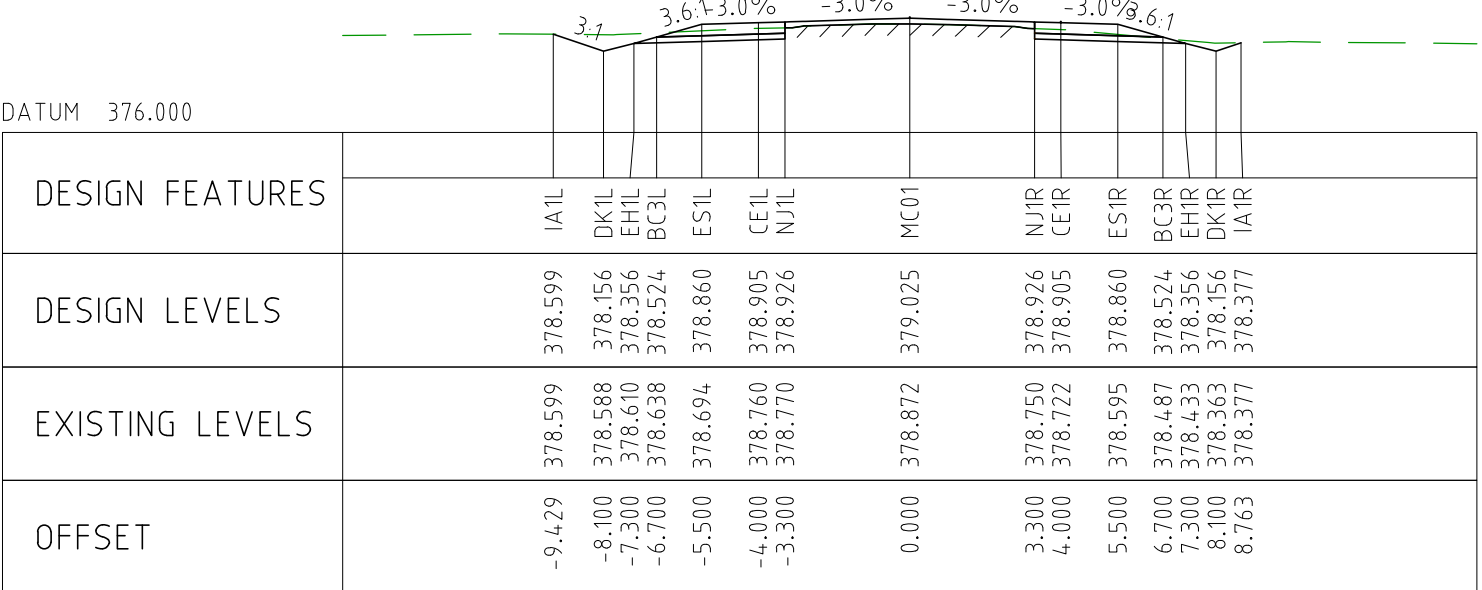
CHAINAGE 25200



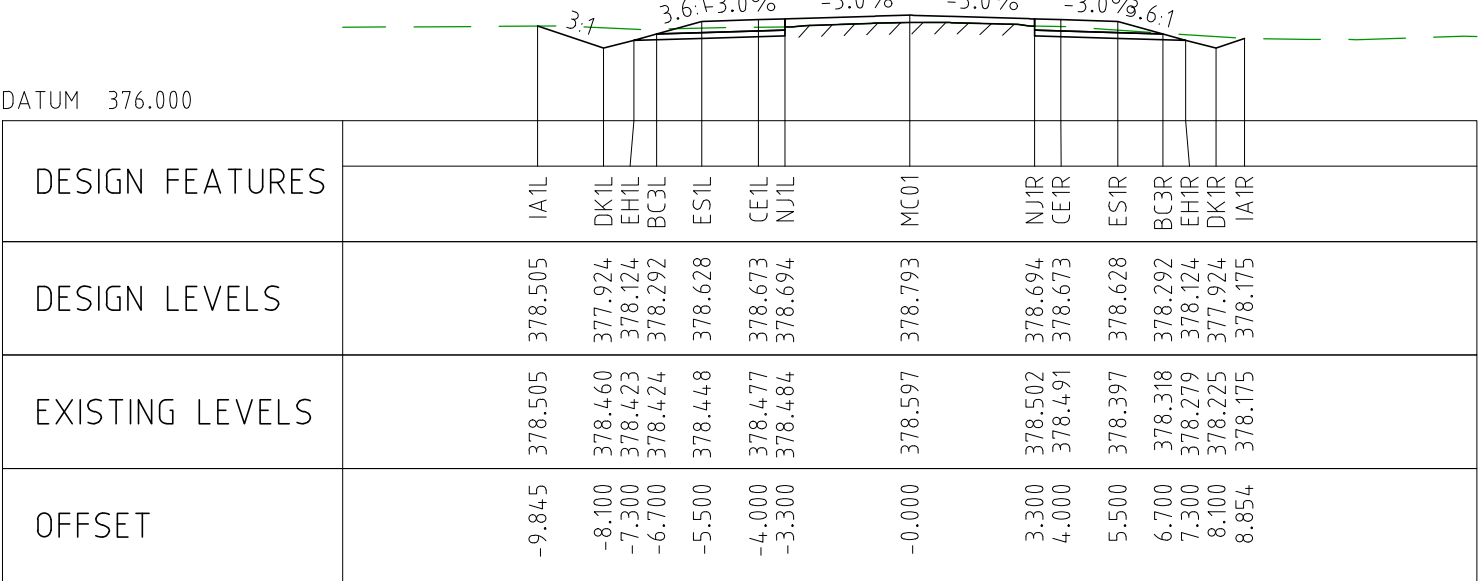
CHAINAGE 25150



CHAINAGE 25100






CHAINAGE 25050

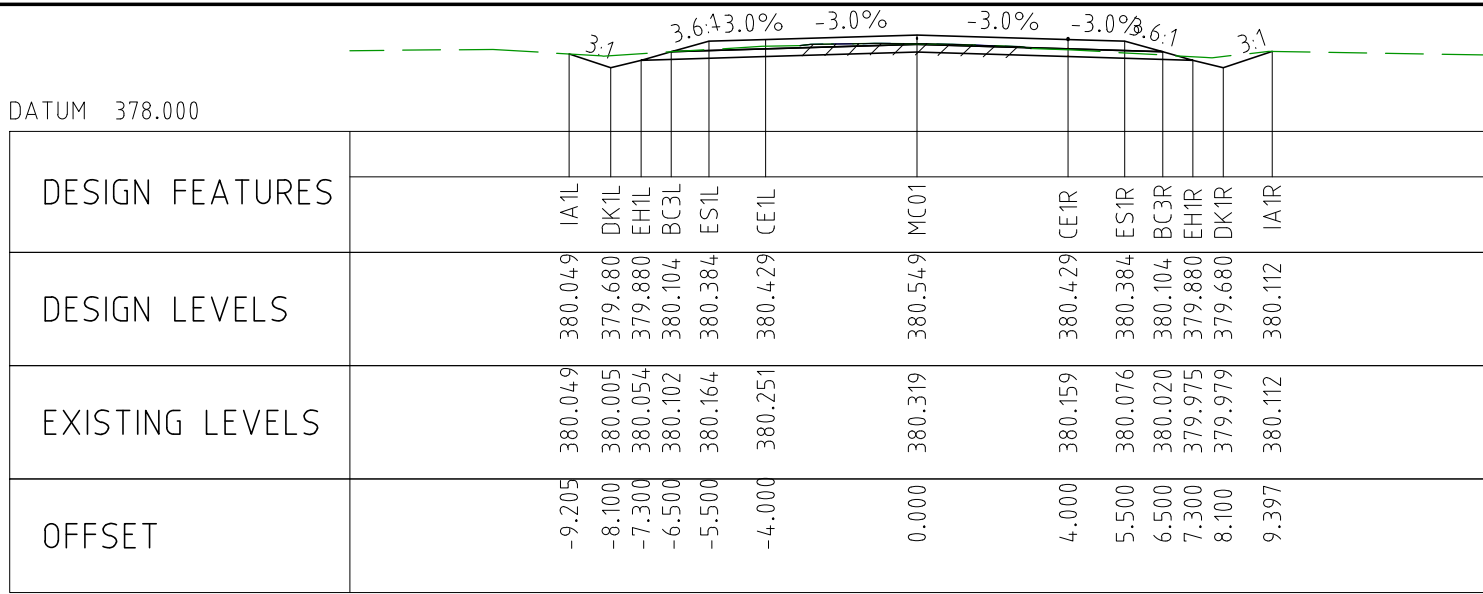


CHAINAGE 25000

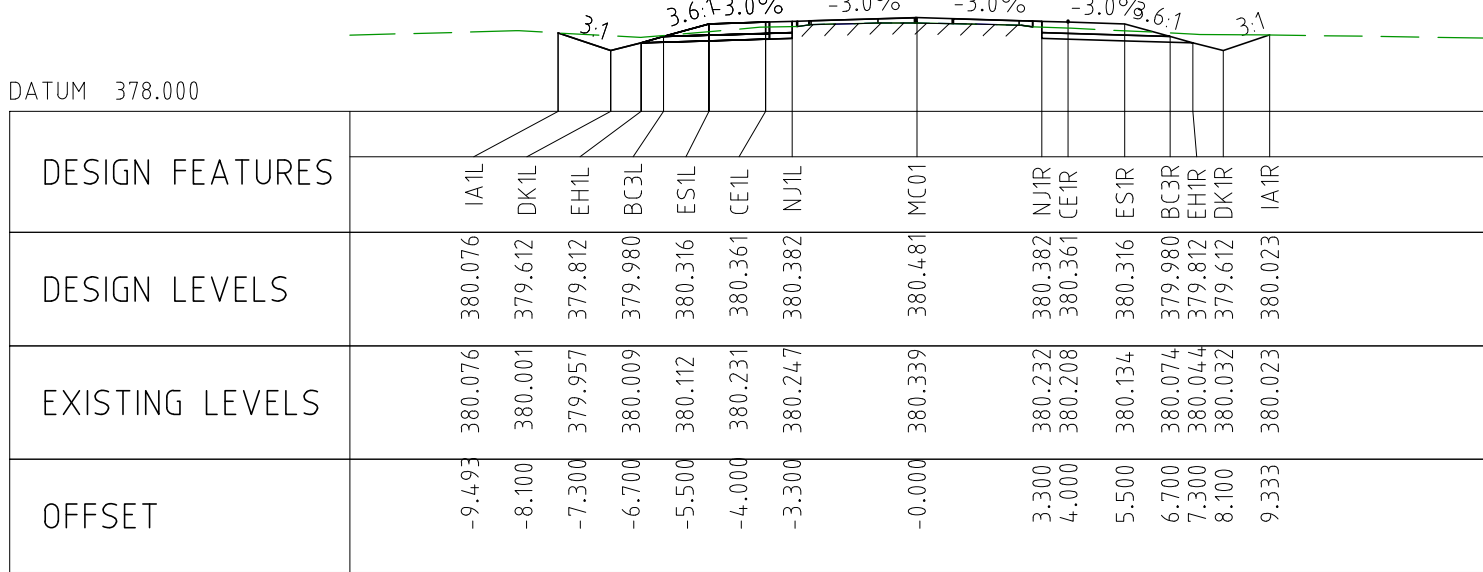
NOTES

1. FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

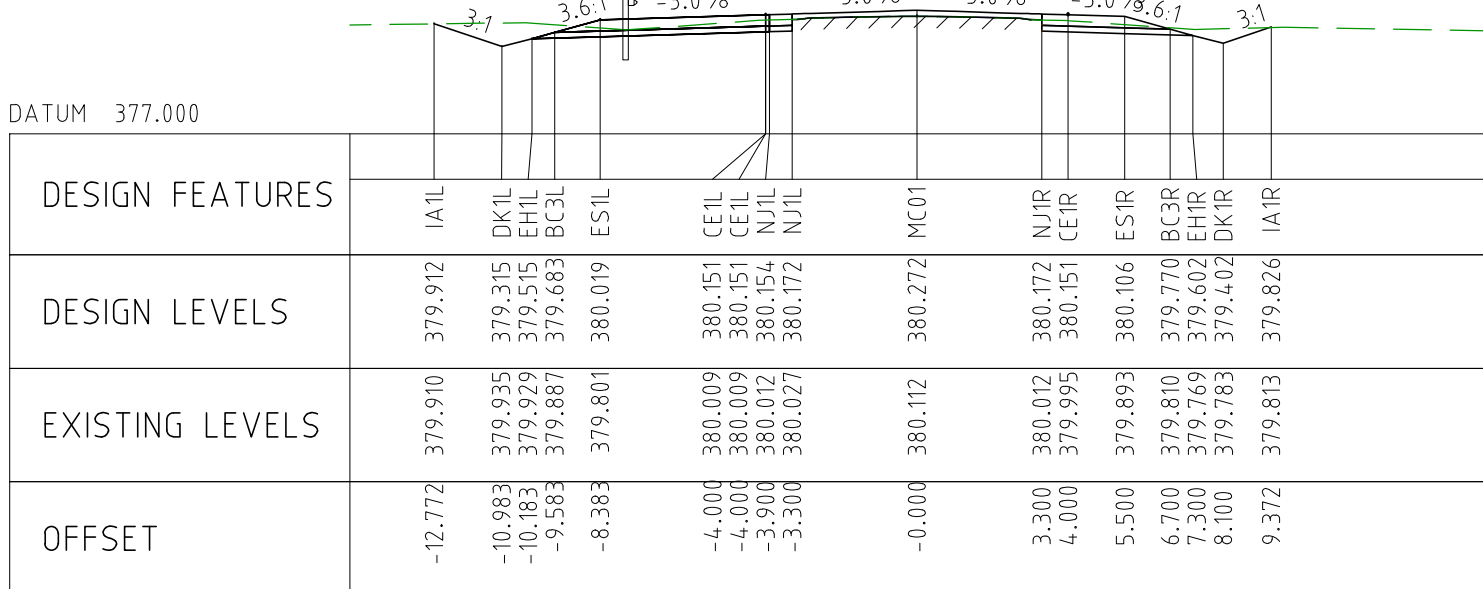
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS34.dwg					PLOT DATE 04 Nov 2022		TIME 12:25:26		CLIENT DOCUMENT No									
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE		
					0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW		 Member of the Surbana Jurong Group © ABN 47 065 475 149			MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 34 OF 41		
										DRAFTING CHECK	TM							
										DESIGNER	TM							
										DESIGN CHECK	TM							
										PROJECT MANAGER	DM							
									PROJECT DIRECTOR	RI	SMC PROJECT No 3006493							
					SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS34		REVISION 0							



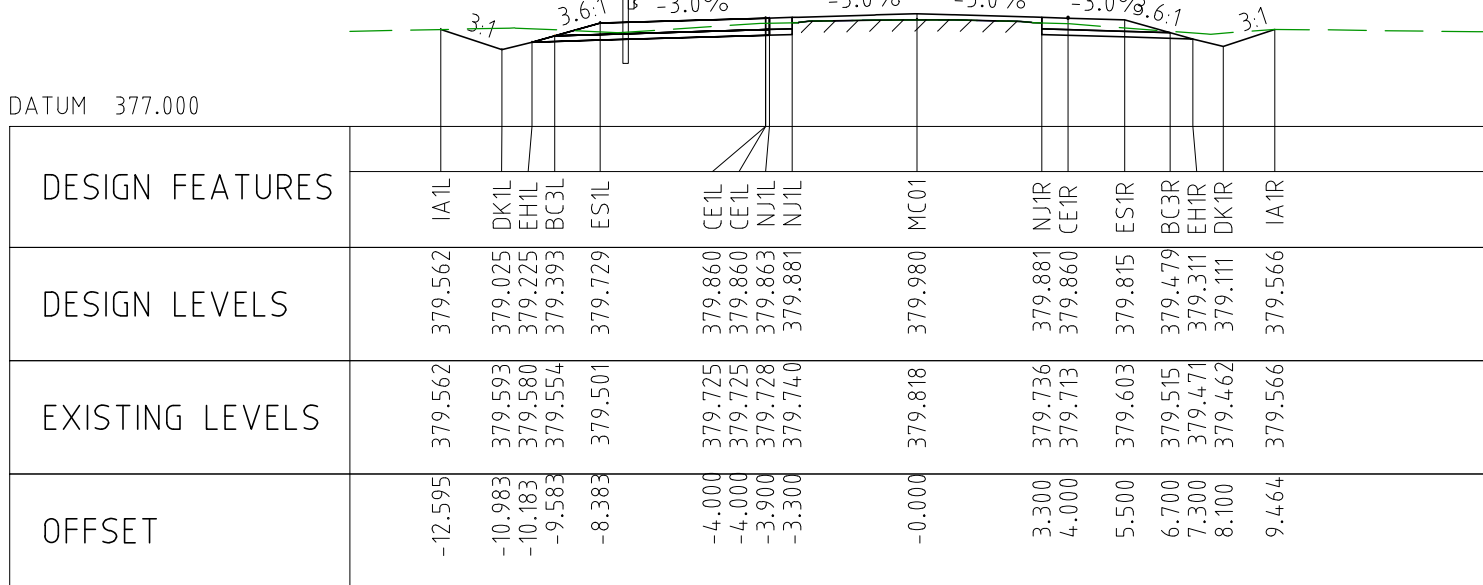
CHAINAGE 25450



CHAINAGE 25400

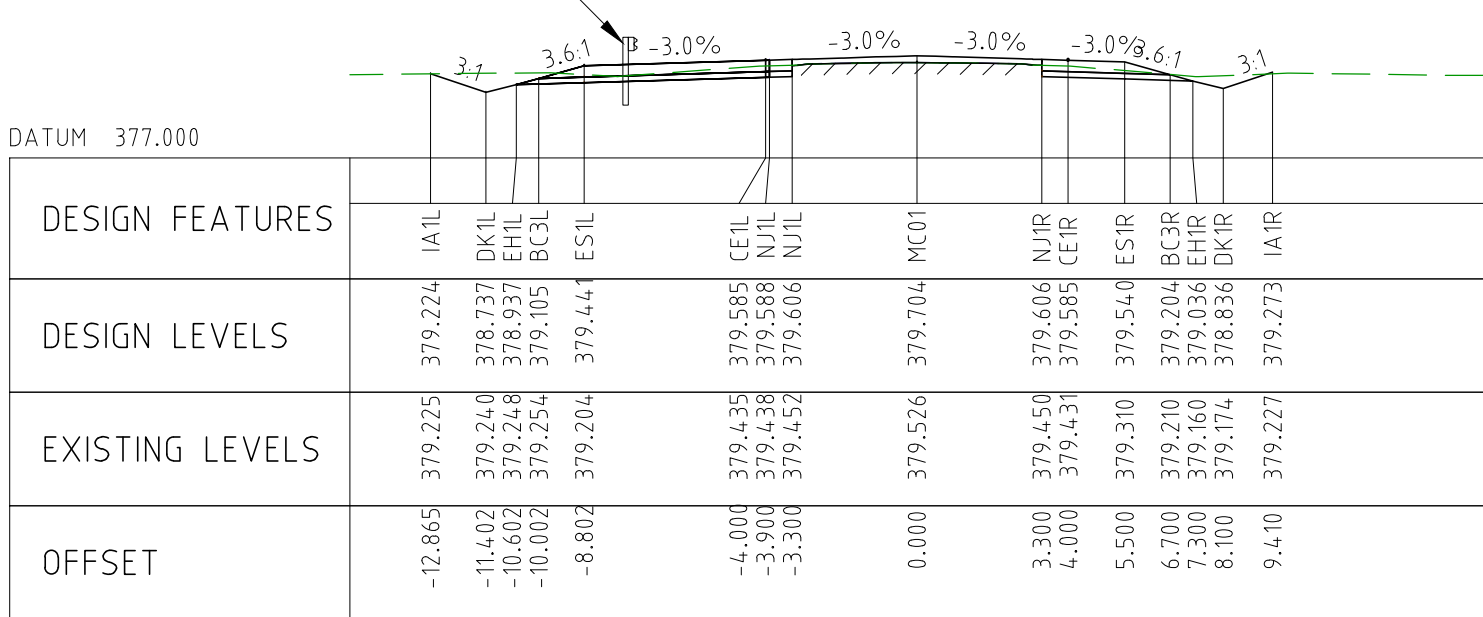


CHAINAGE 25350

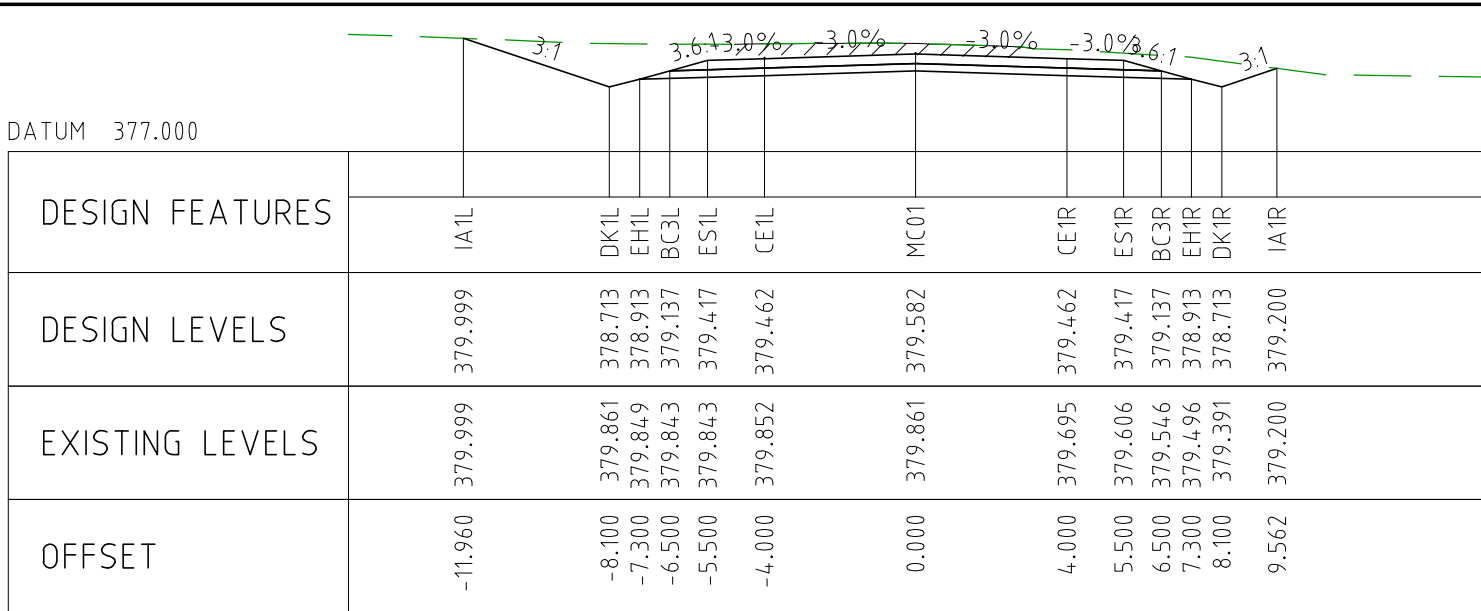


W BEAM BARRIER (TYP.)

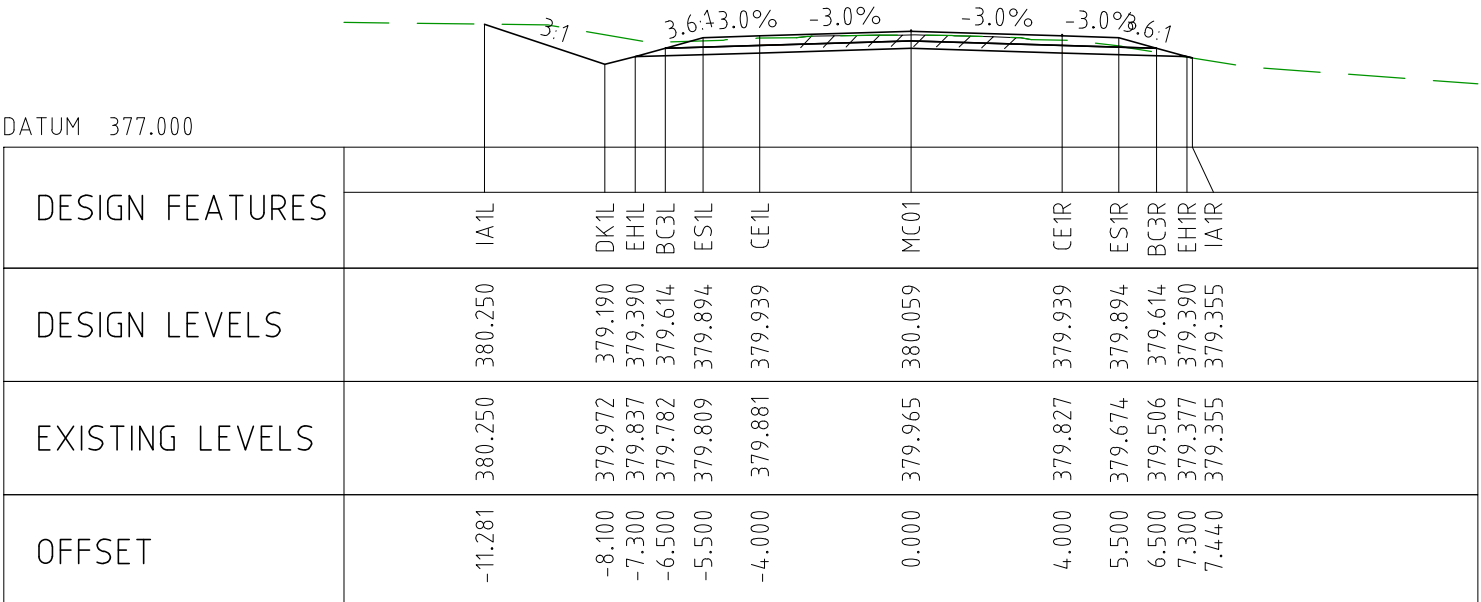
CHAINAGE 25300



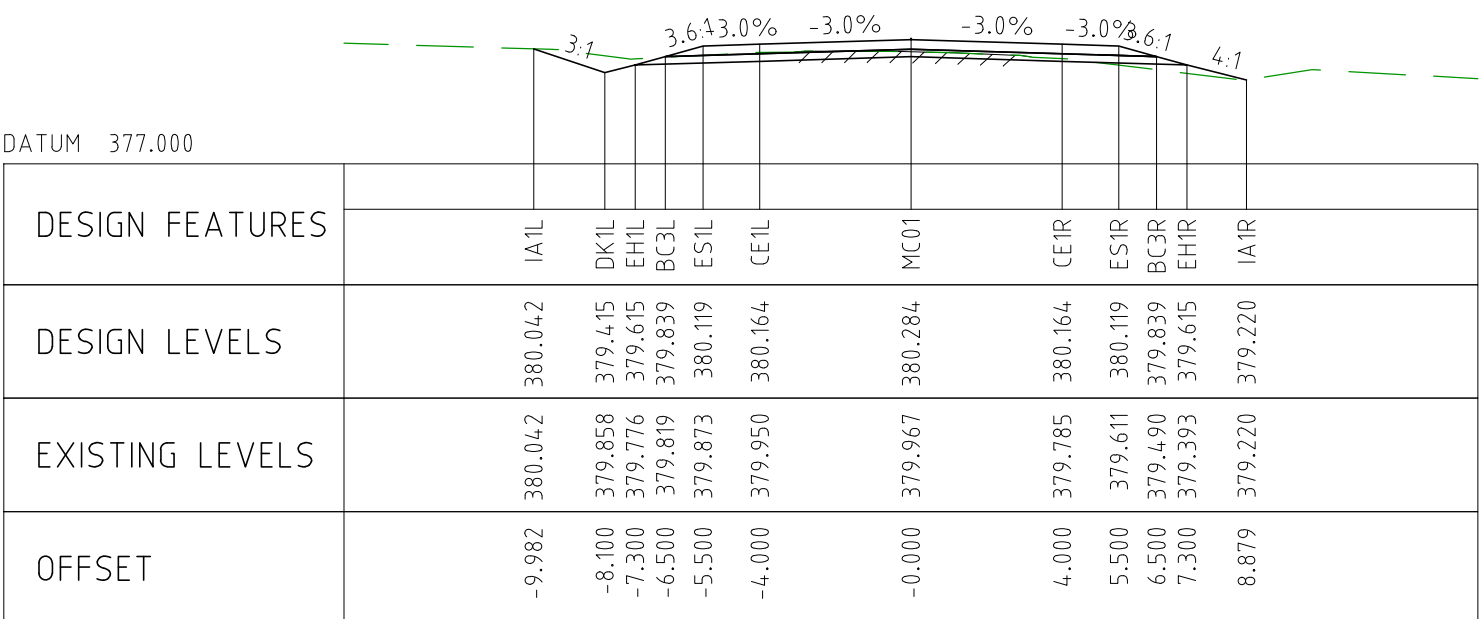
CHAINAGE 25250



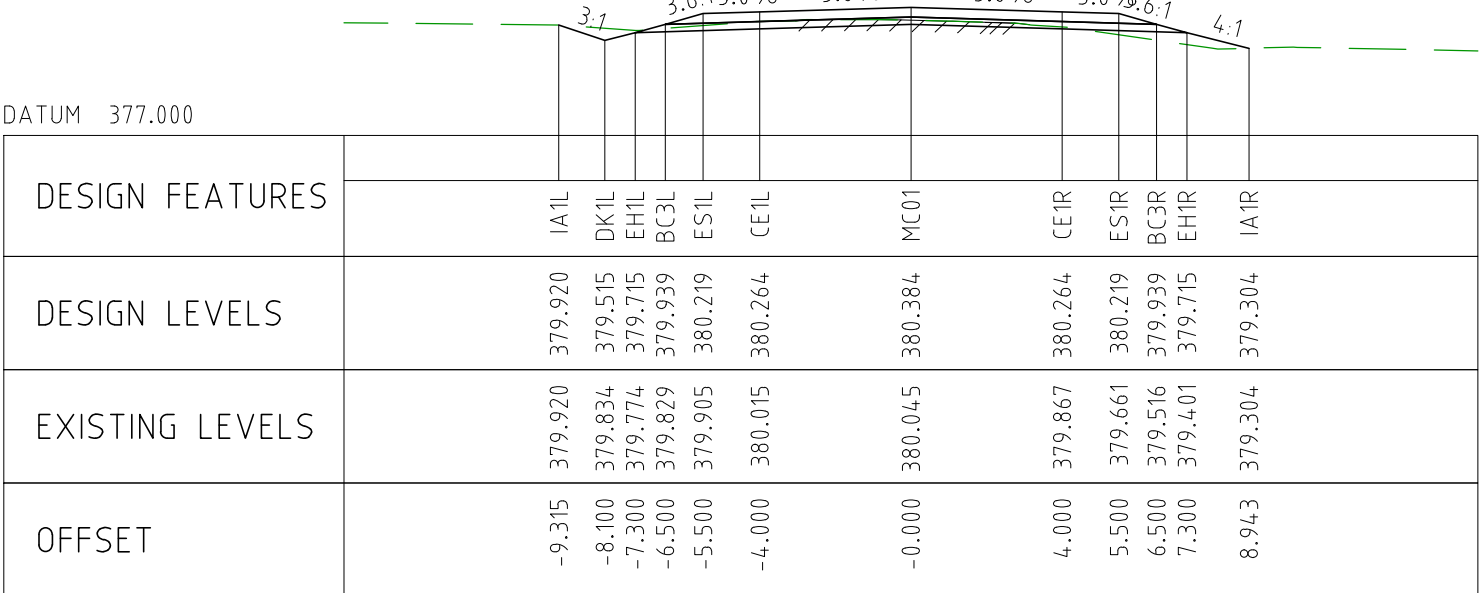
CHAINAGE 25700



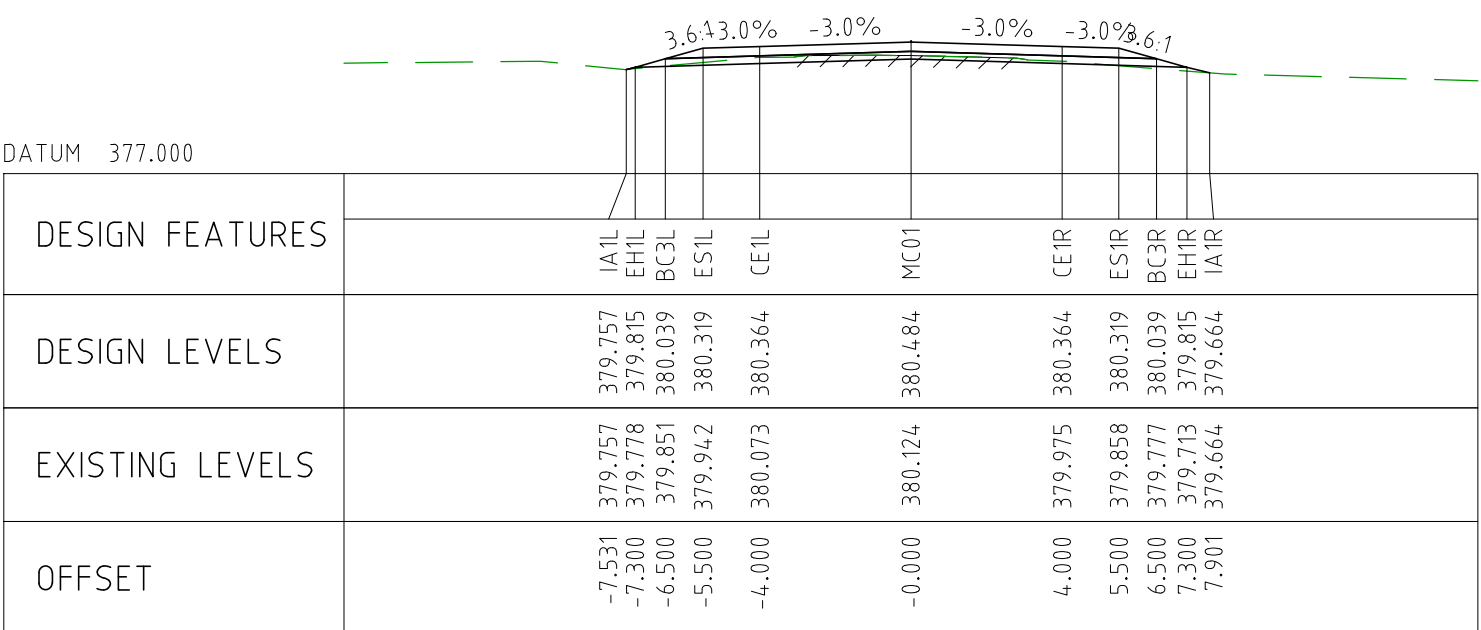
CHAINAGE 25650



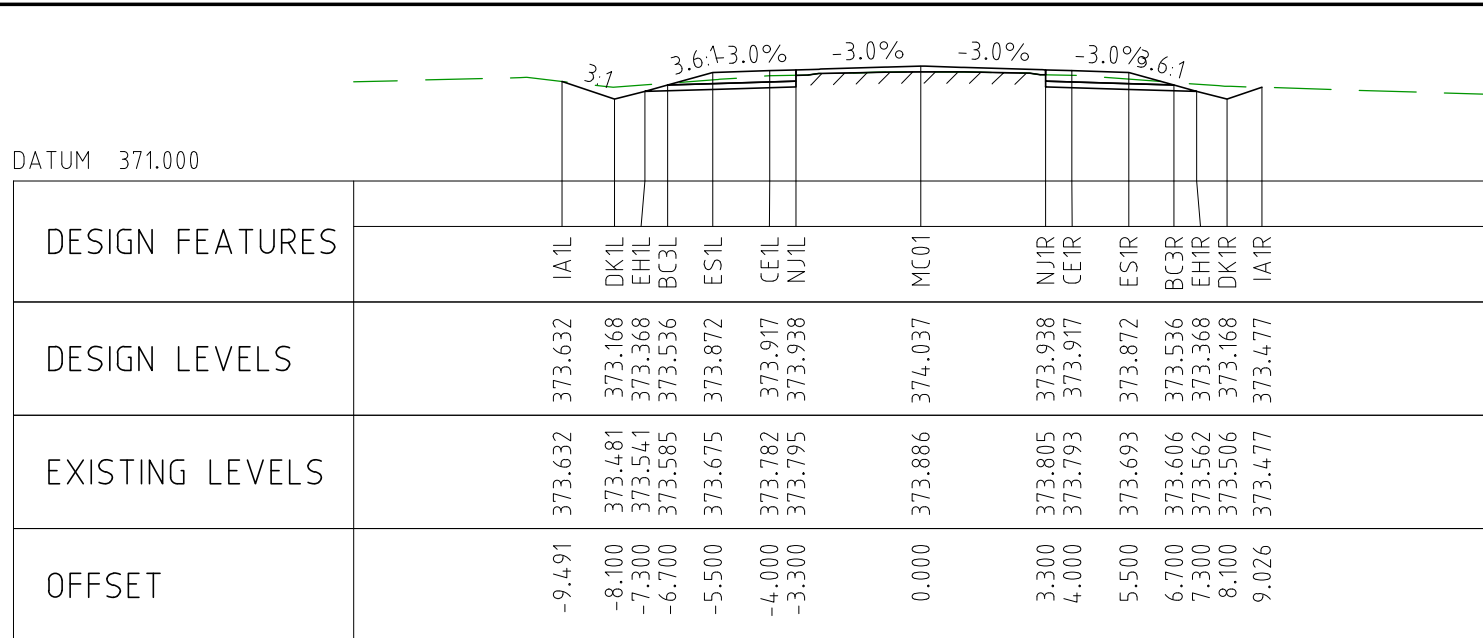
CHAINAGE 25600



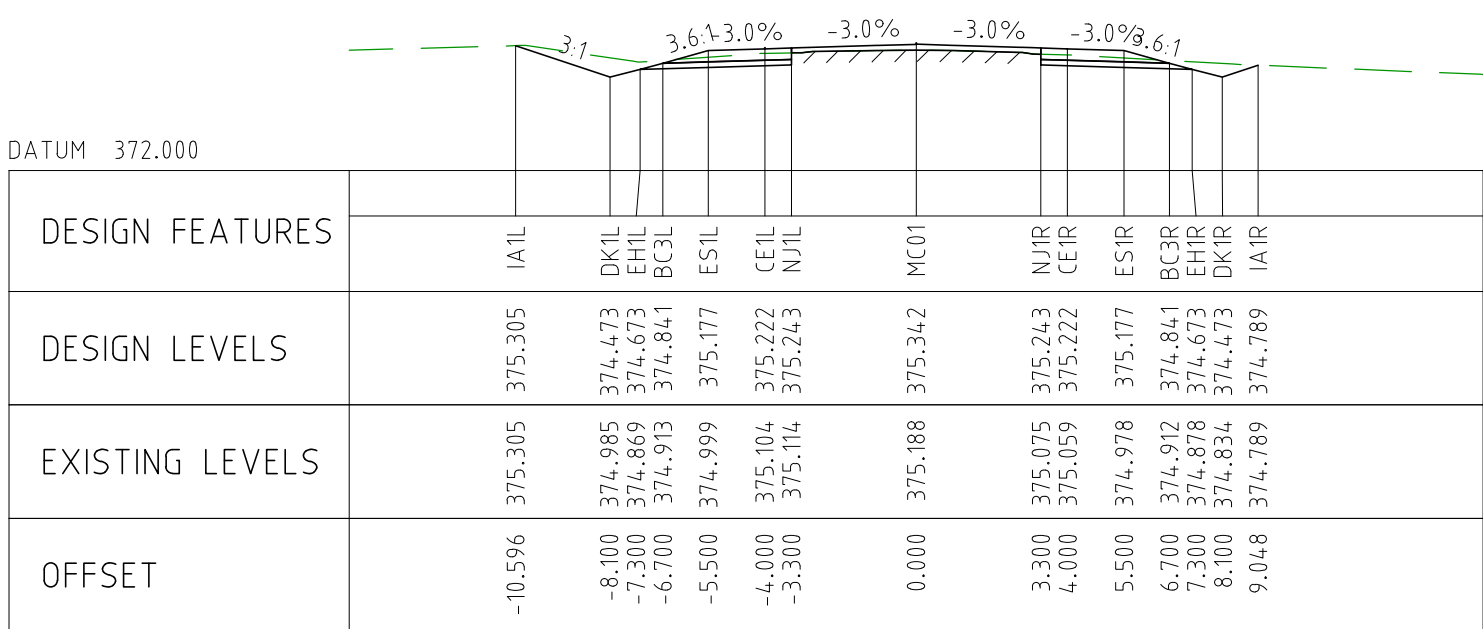
CHAINAGE 25550



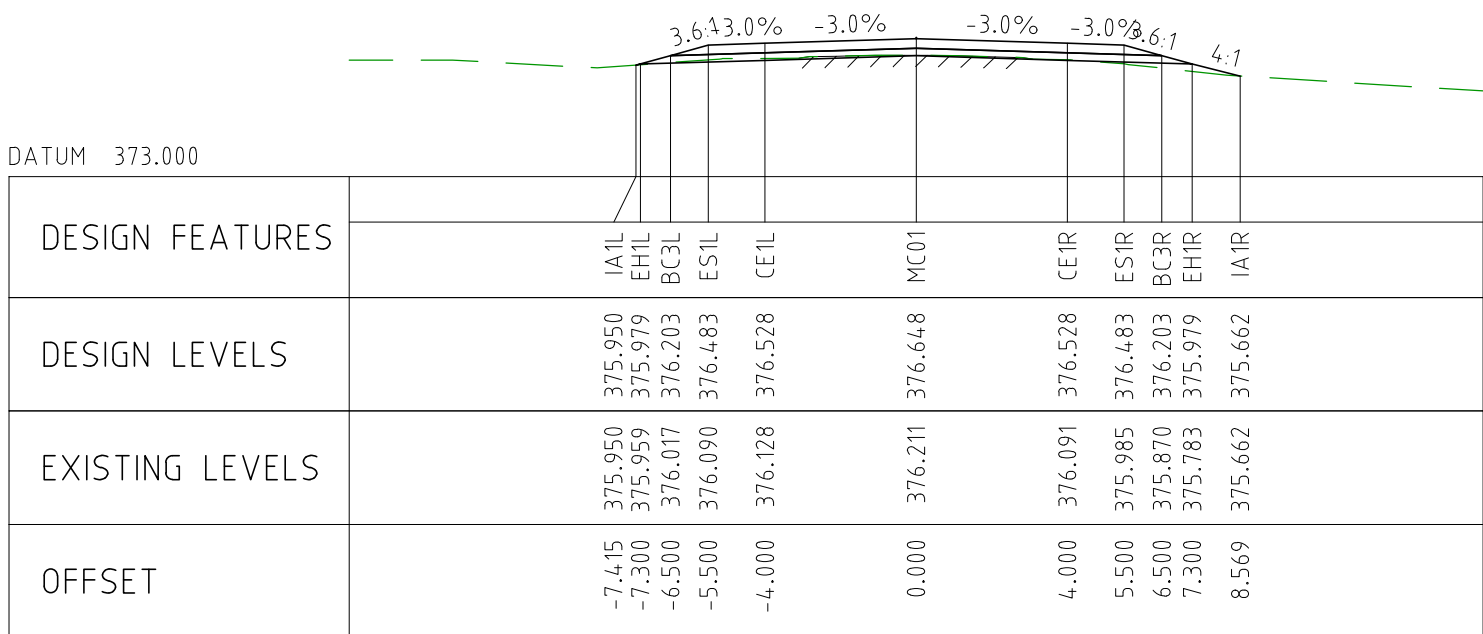
CHAINAGE 25500



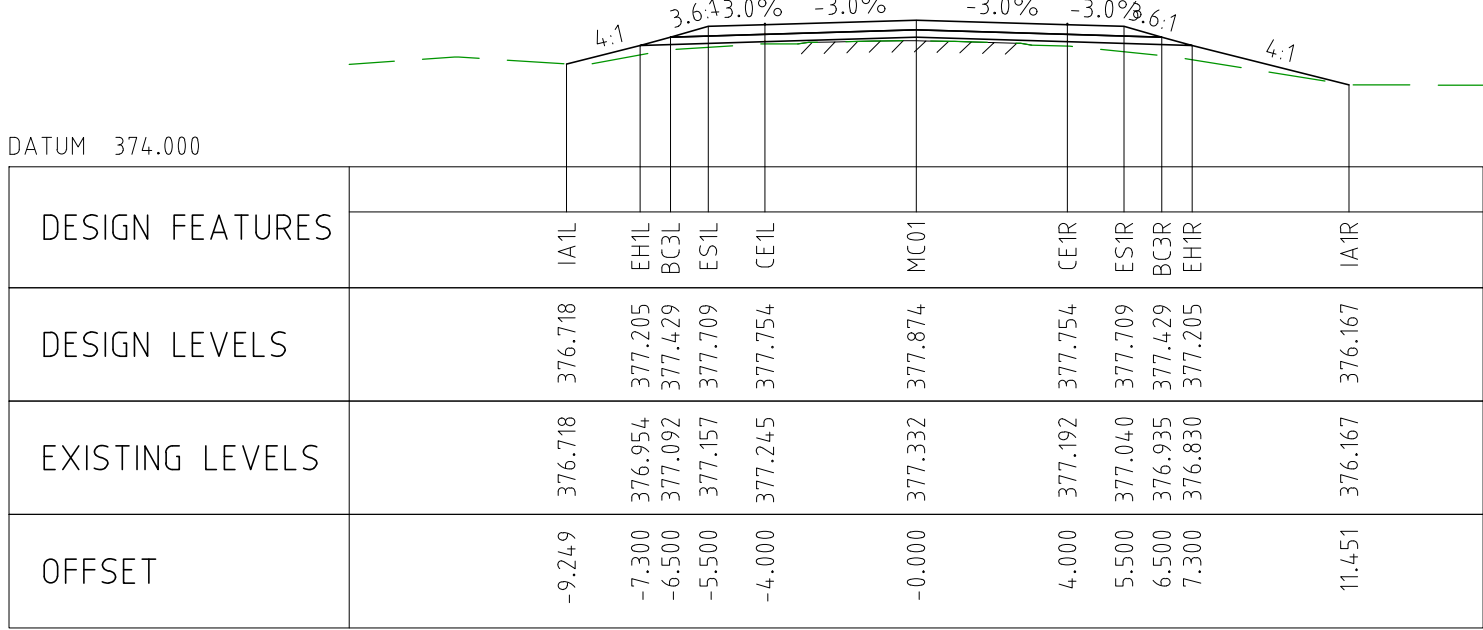
CHAINAGE 25950



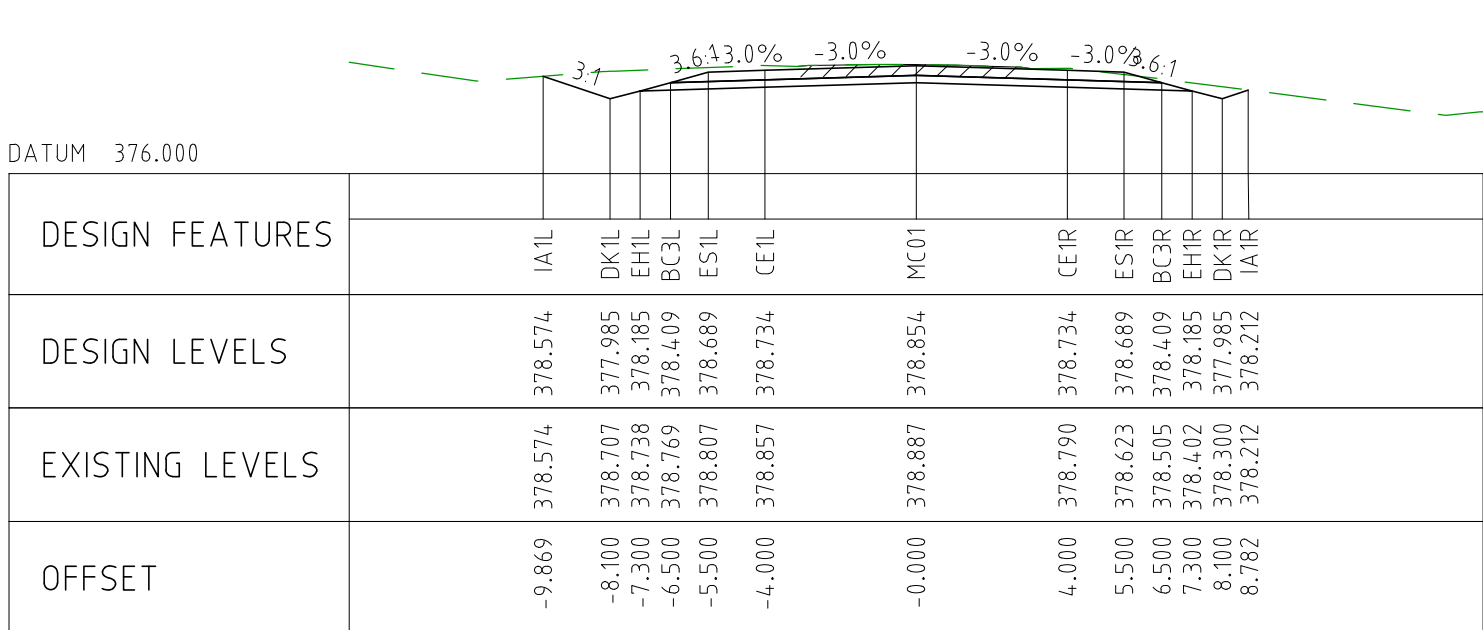
CHAINAGE 25900



CHAINAGE 25850



CHAINAGE 25800

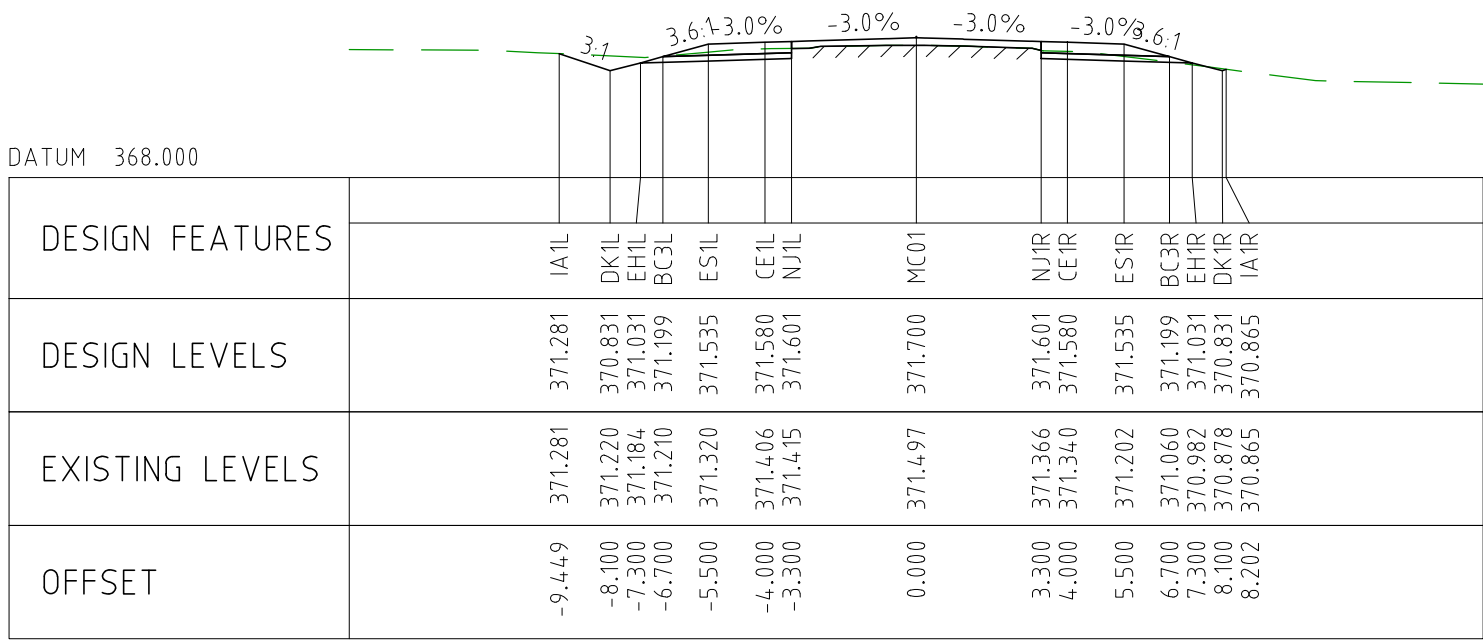


CHAINAGE 25750

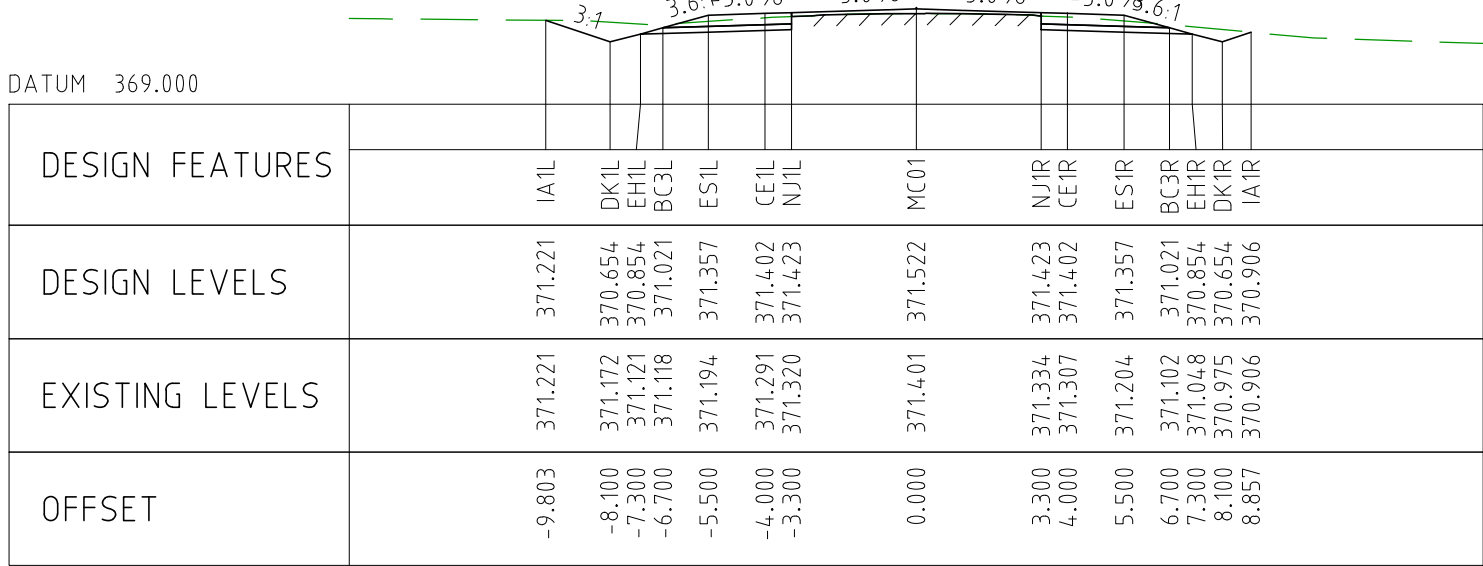
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

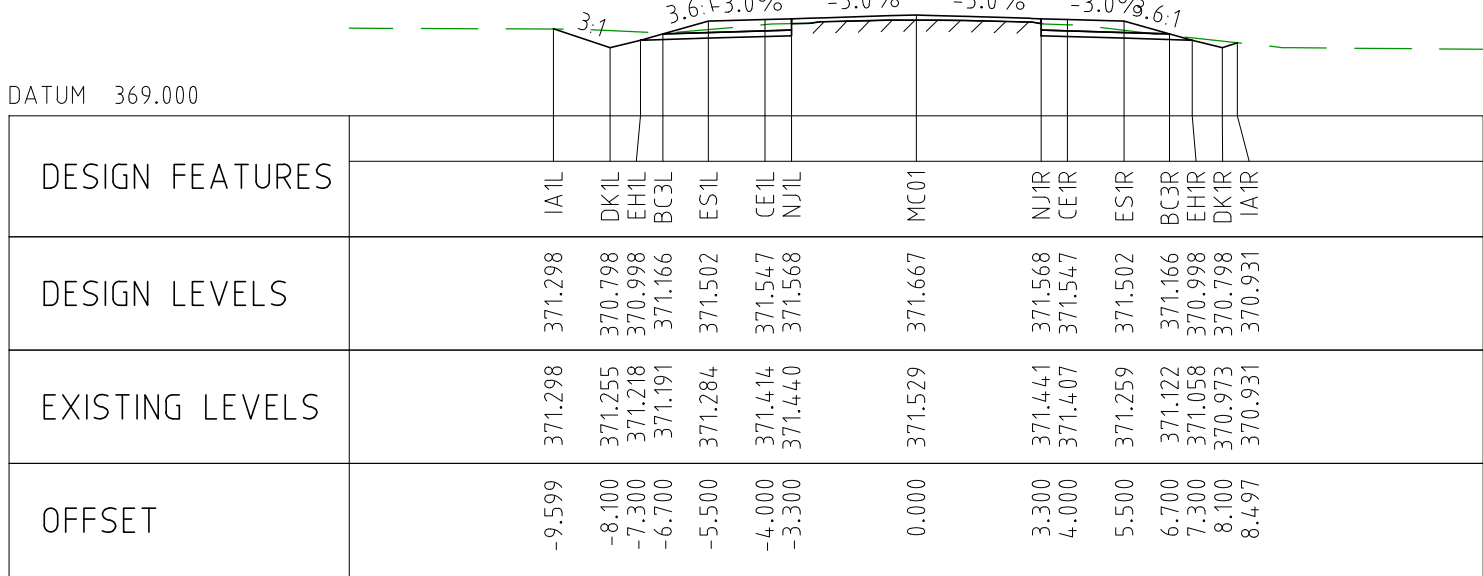
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS35.dwg					PLOT DATE 04 Nov 2022		TIME 12:26:06		CLIENT DOCUMENT No COV-M040-CI-DWG-0147						
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	SCALE 1:200 	 Member of the Surbana Jurong Group © ABN 47 065 475 149			MOUNT HOLLAND LITHIUM MINE		
						DRAFTING CHECK	TM	PARKER RANGE ROAD							
						DESIGNER	TM	CROSS SECTIONS - MC01							
						DESIGN CHECK	TM	SHEET 35 OF 41							
						PROJECT MANAGER	DM								
						PROJECT DIRECTOR	RI		SMC PROJECT No 3006493		SCALE 1:200		PHASE DETAILED	PROJECT / DRAWING No 3006493-XS35	REVISION 0



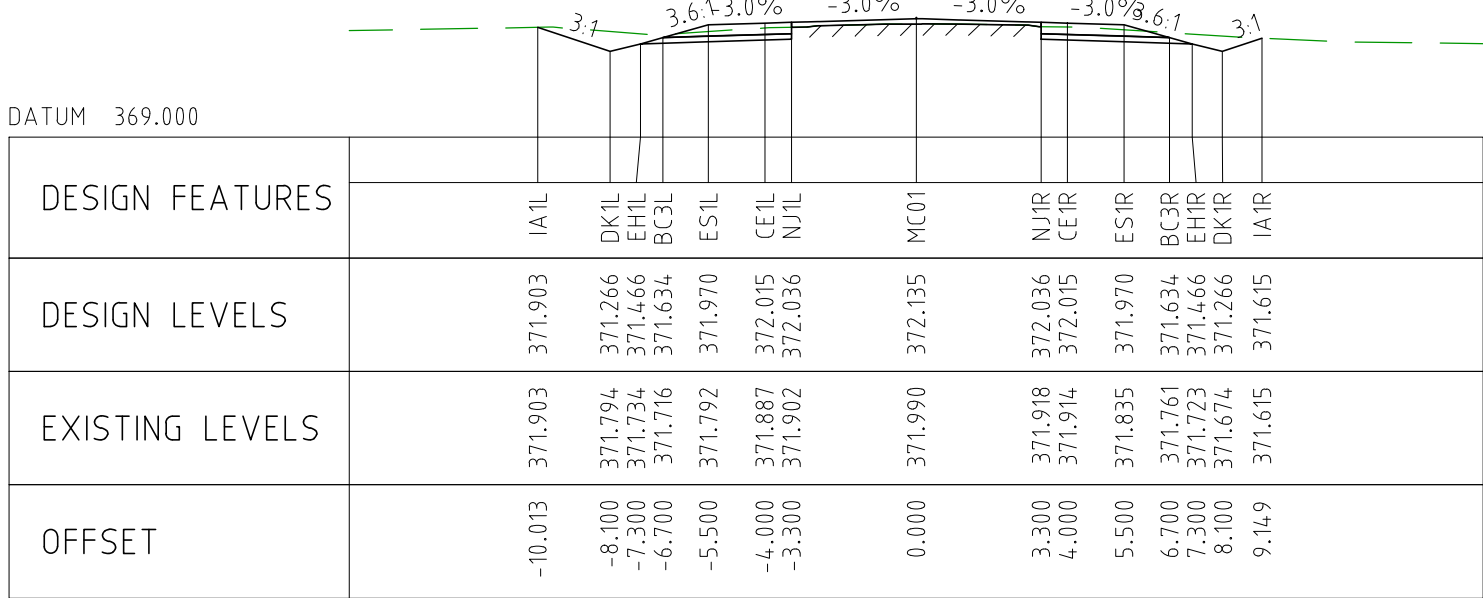
CHAINAGE 26200



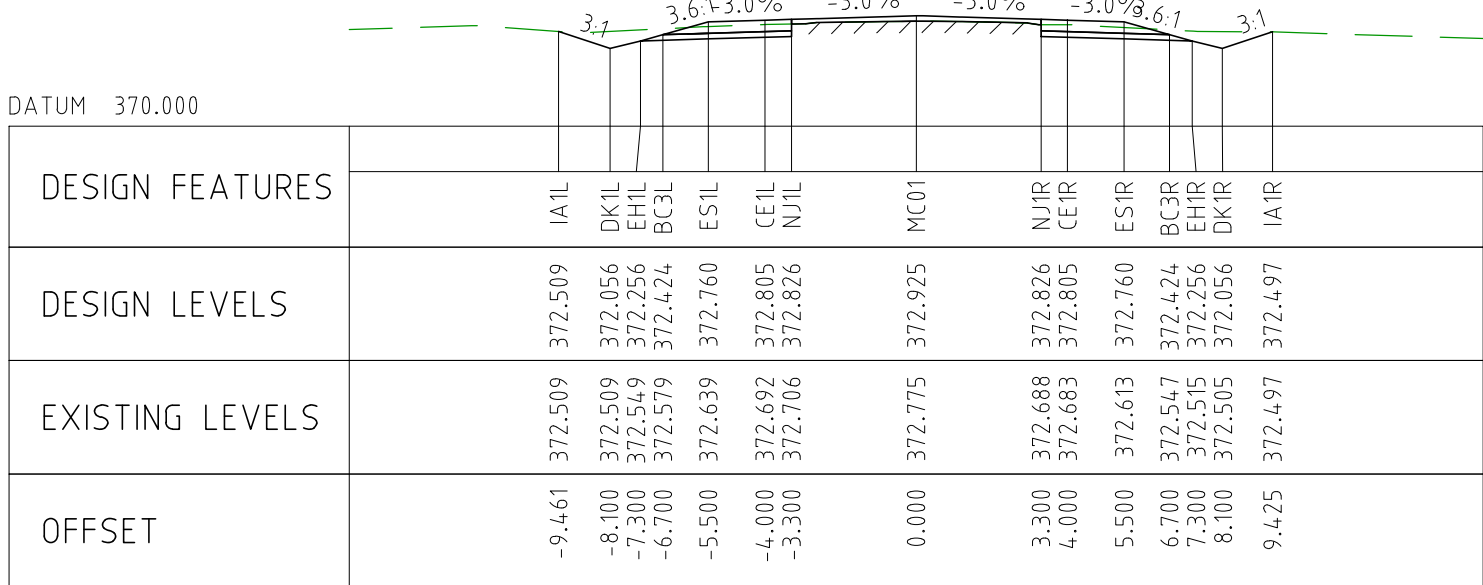
CHAINAGE 26150



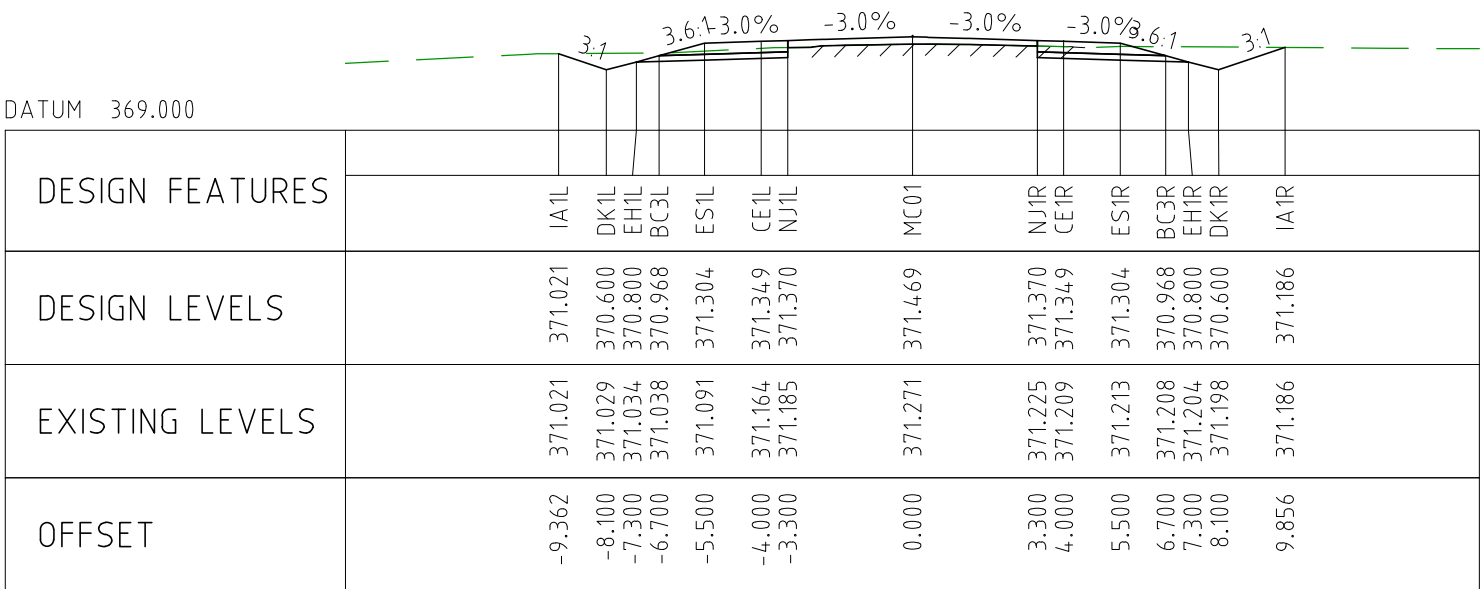
CHAINAGE 26100



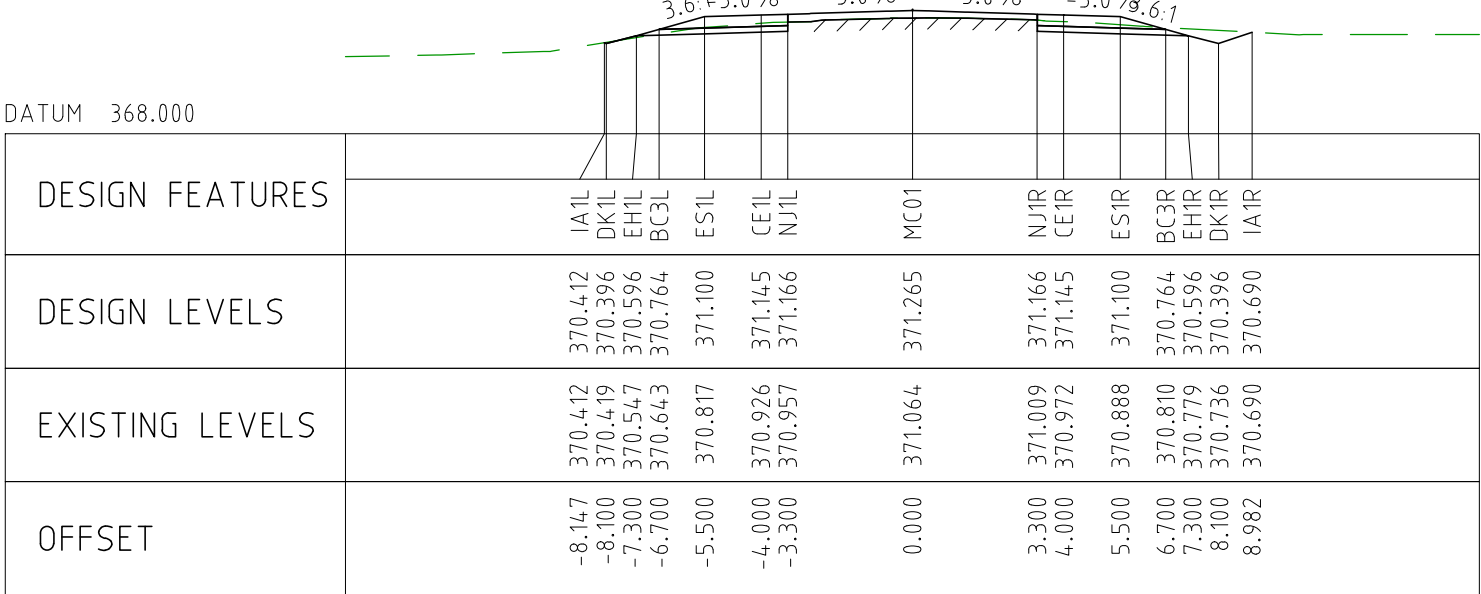
CHAINAGE 26050



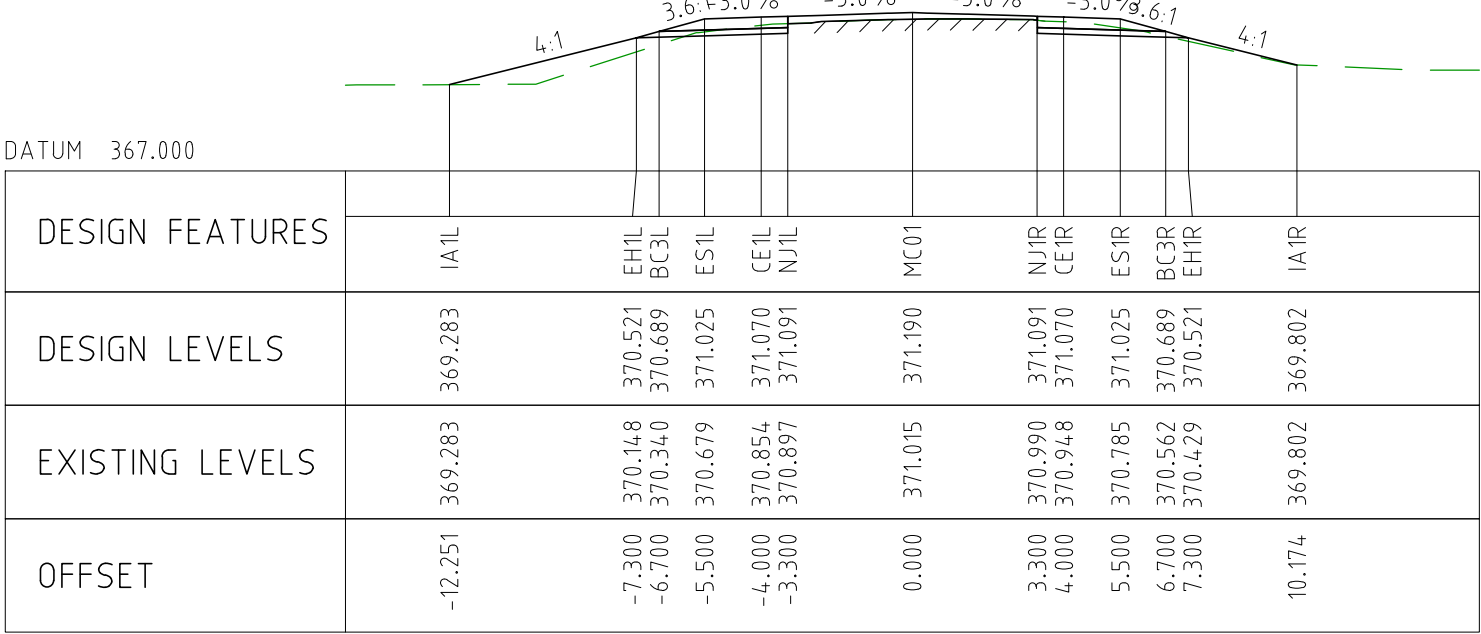
CHAINAGE 26000



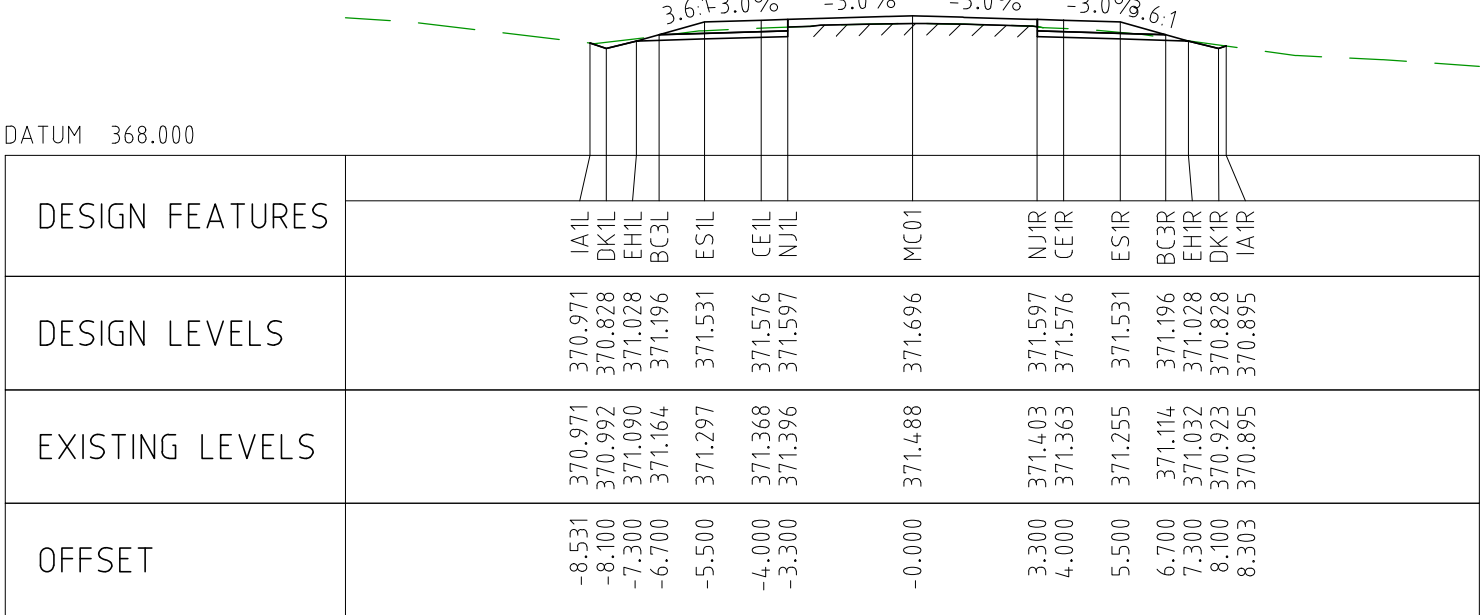
CHAINAGE 26450



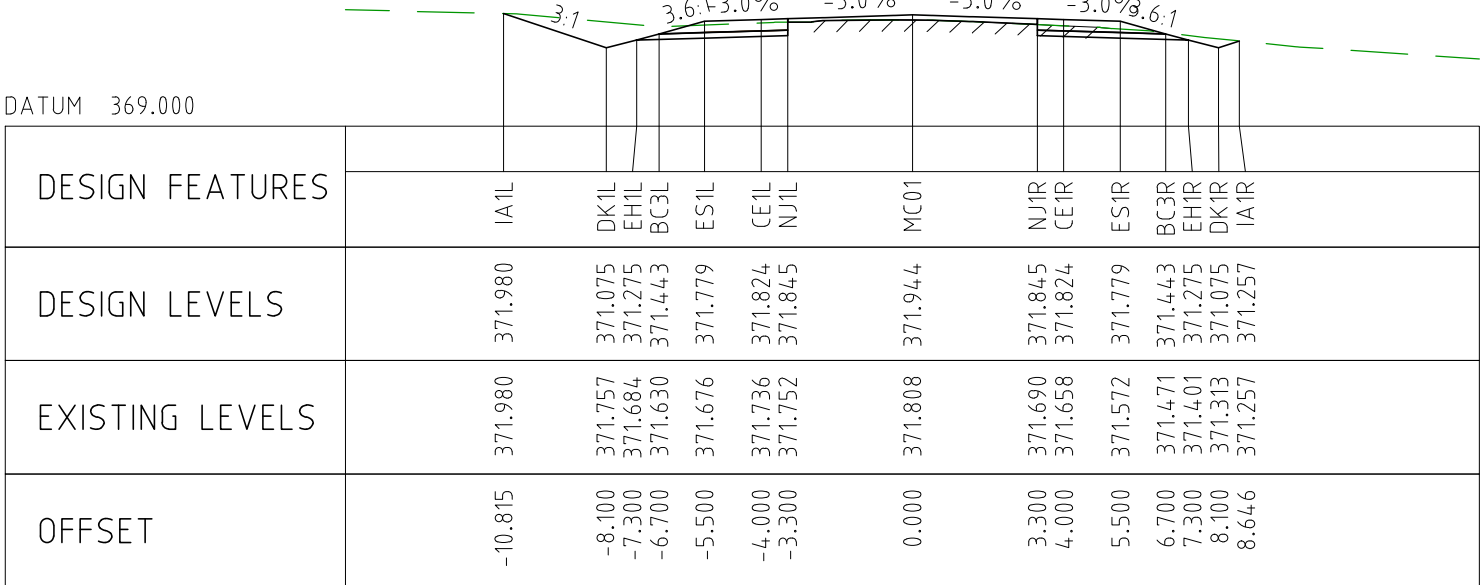
CHAINAGE 26400



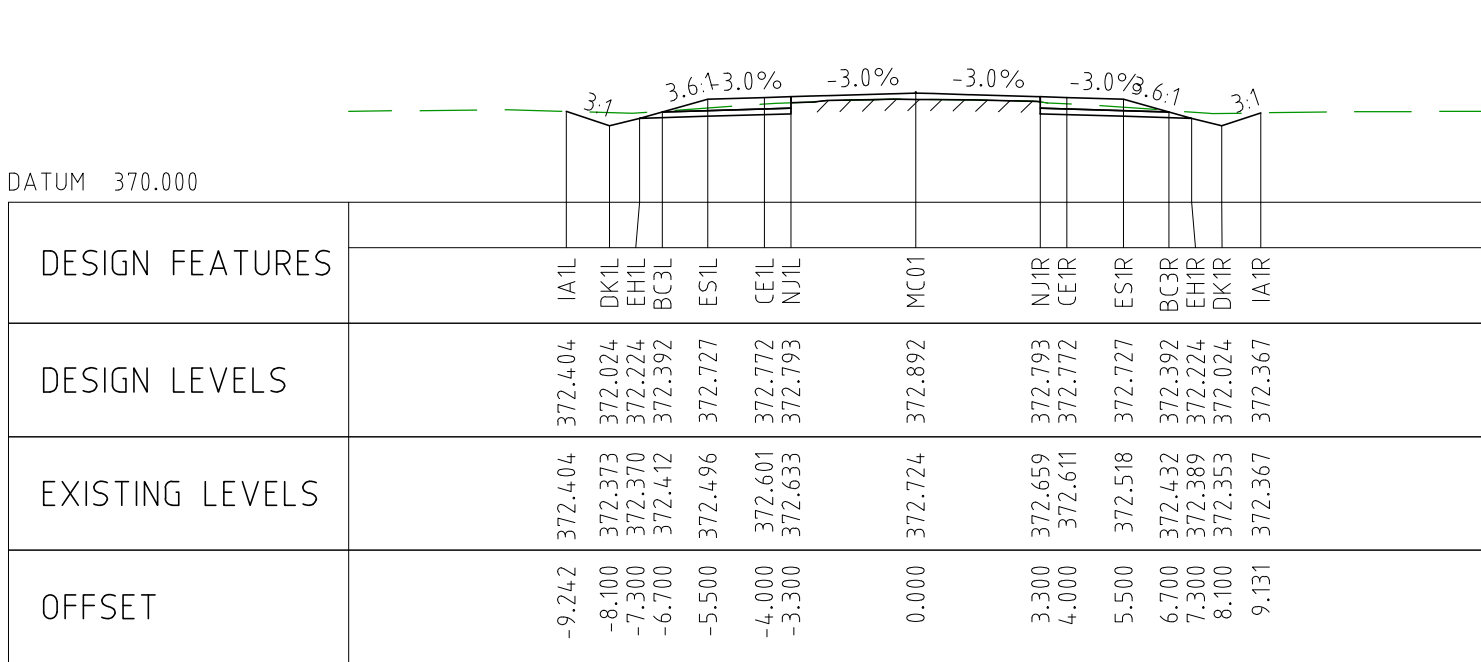
CHAINAGE 26350



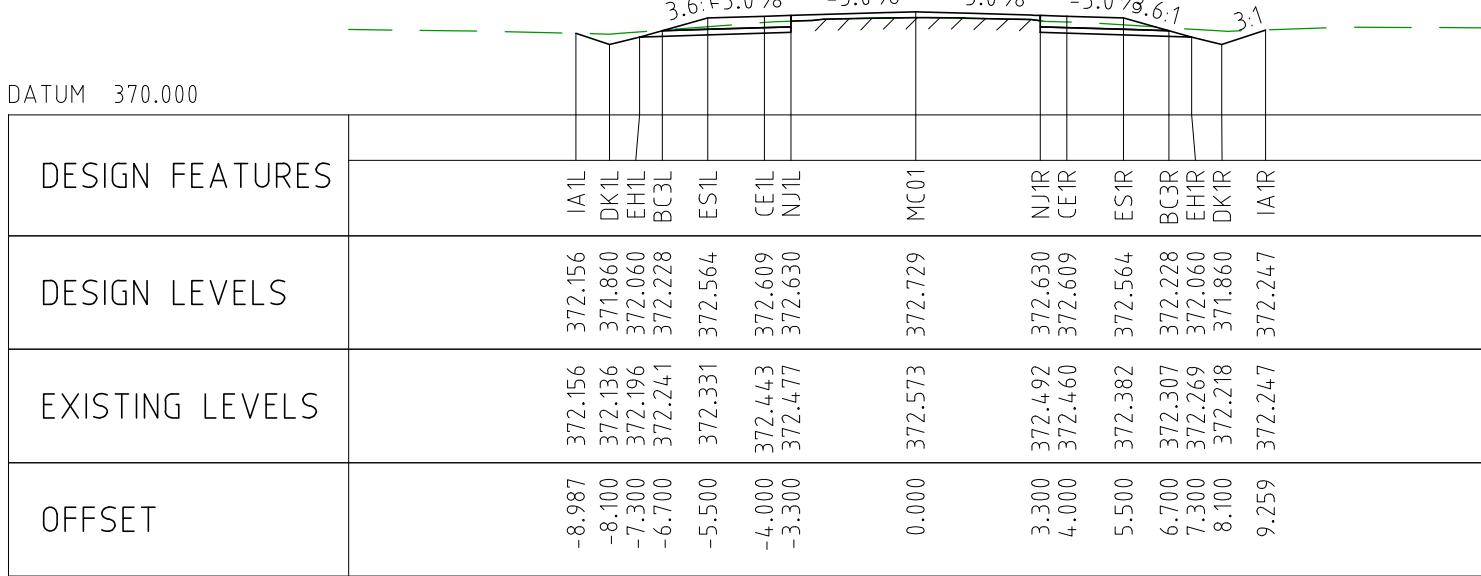
CHAINAGE 26300



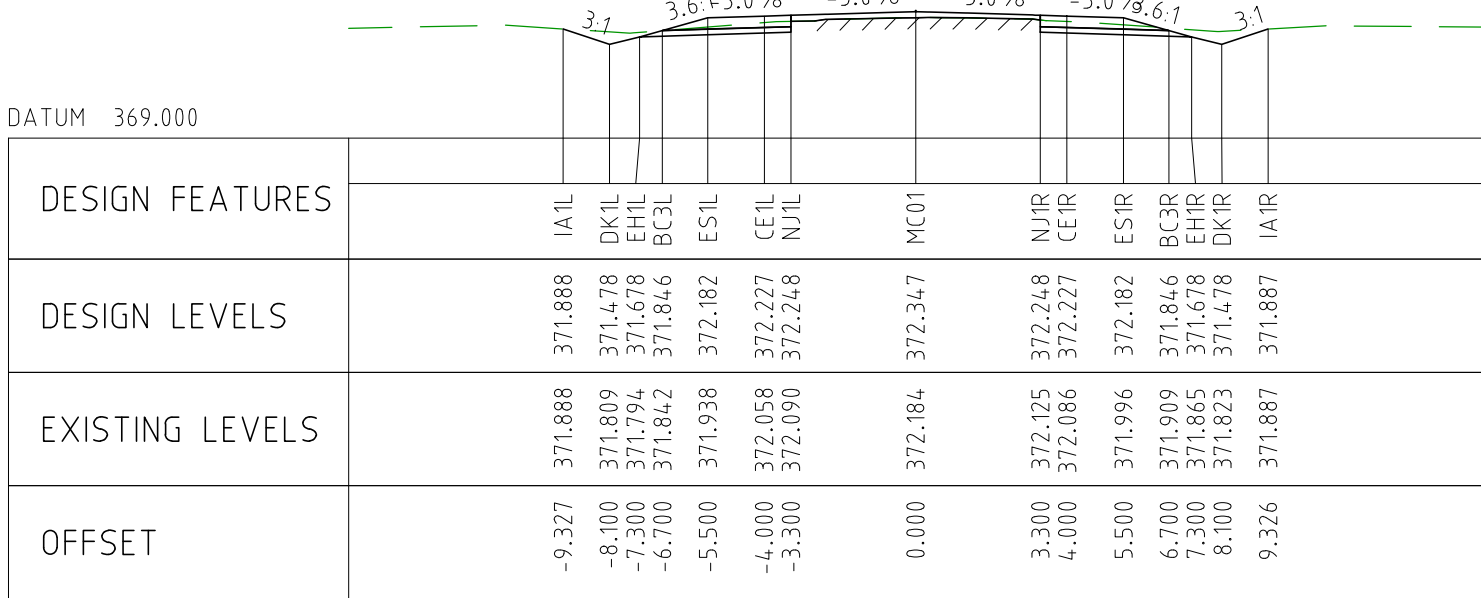
CHAINAGE 26250



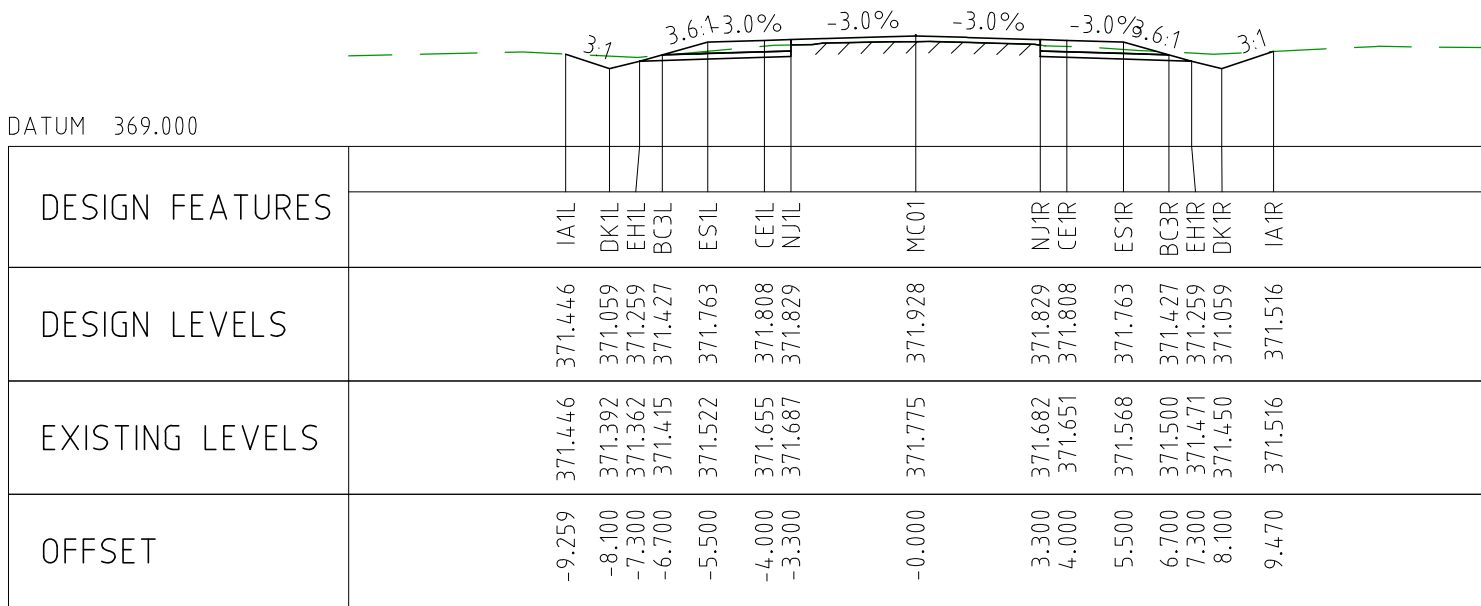
CHAINAGE 26700



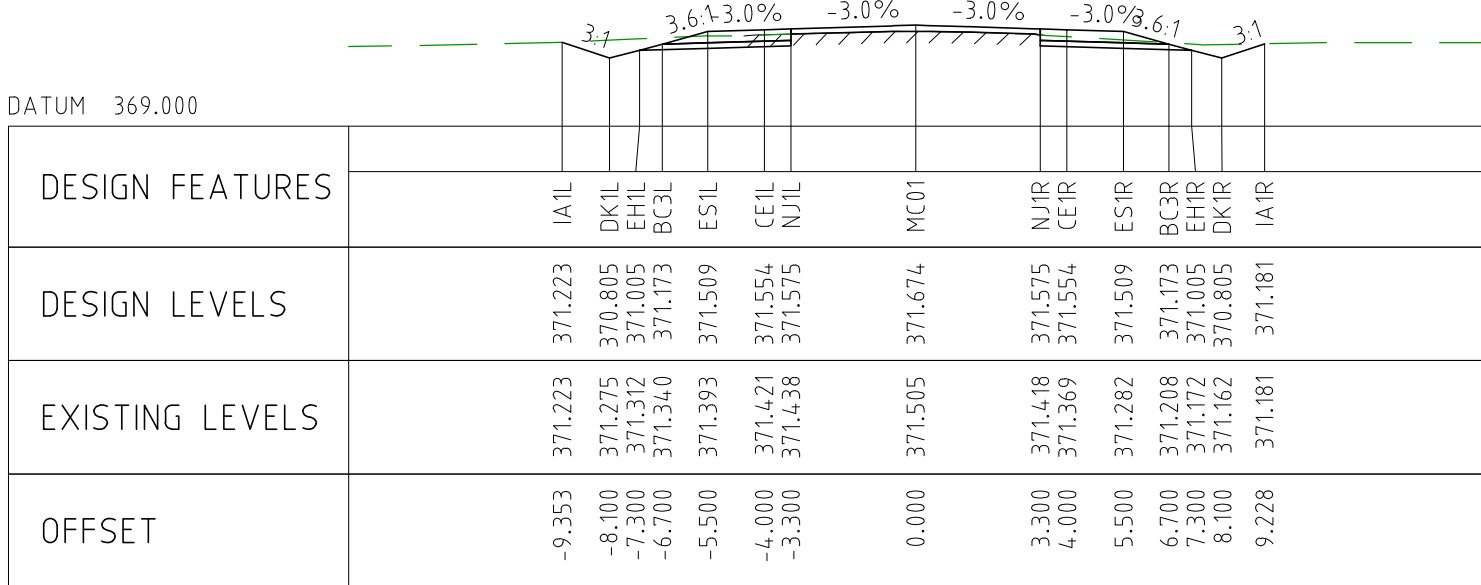
CHAINAGE 26650



CHAINAGE 26600



CHAINAGE 26550

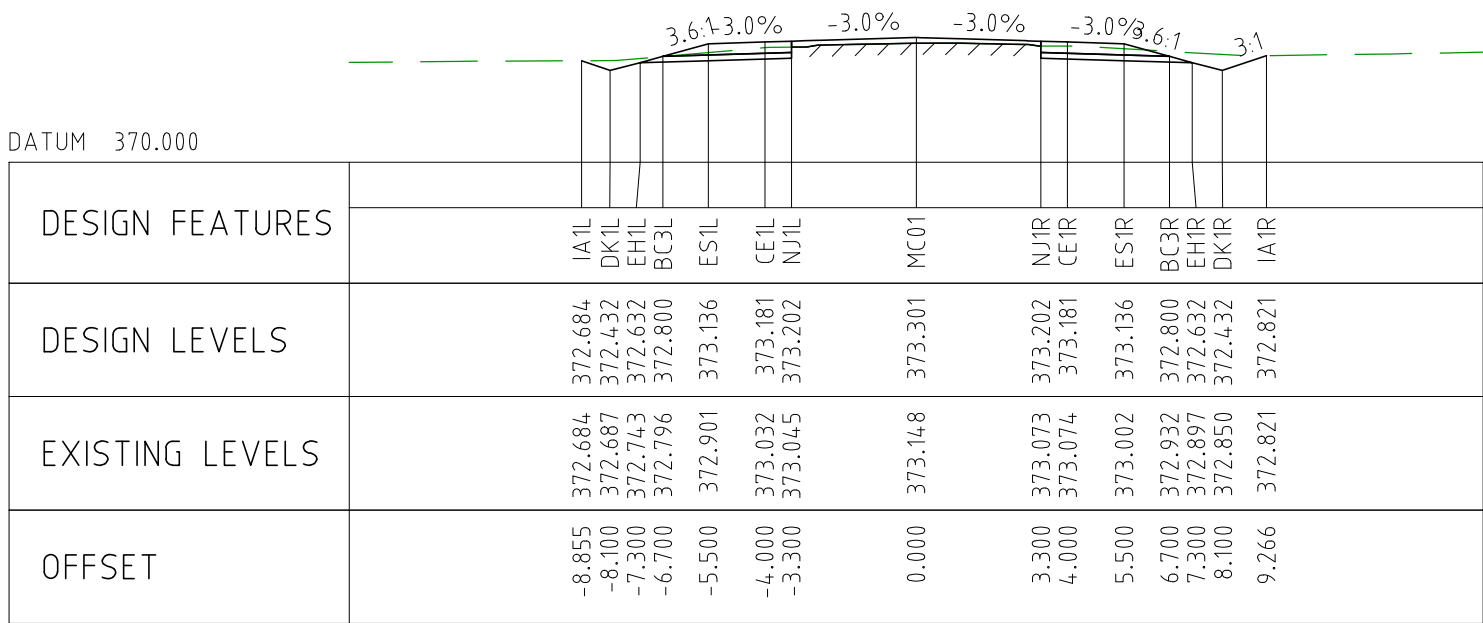


CHAINAGE 26500

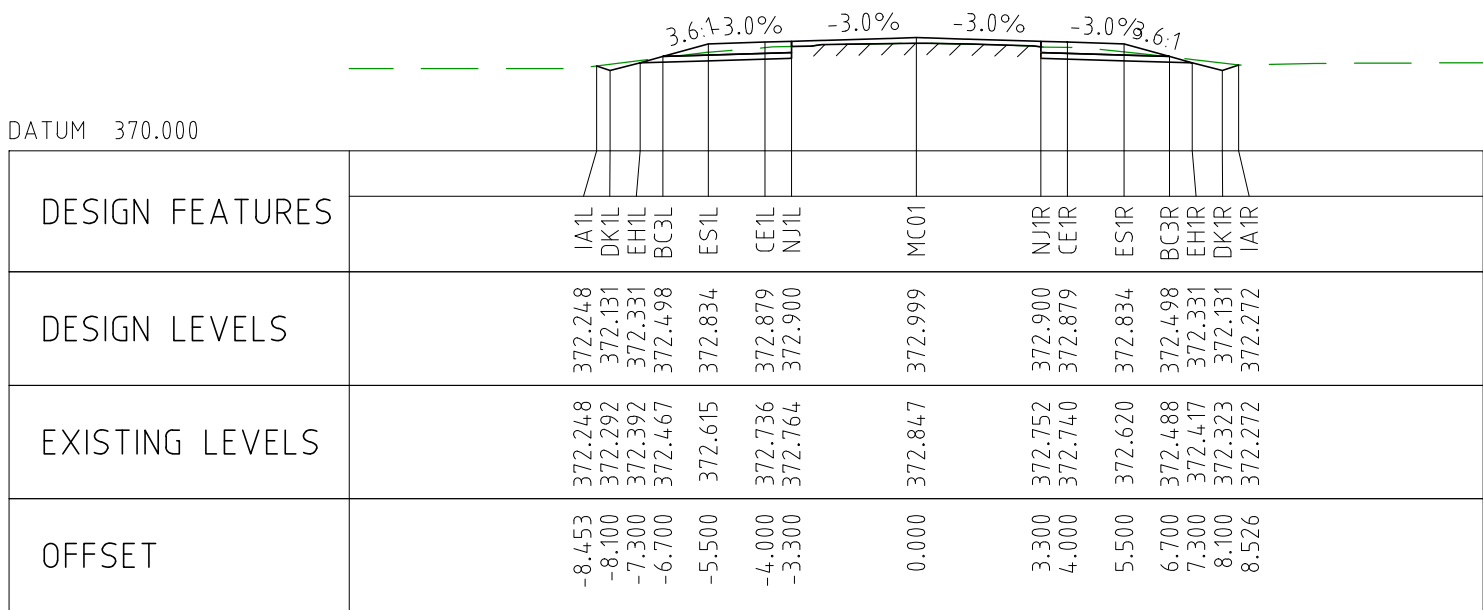
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

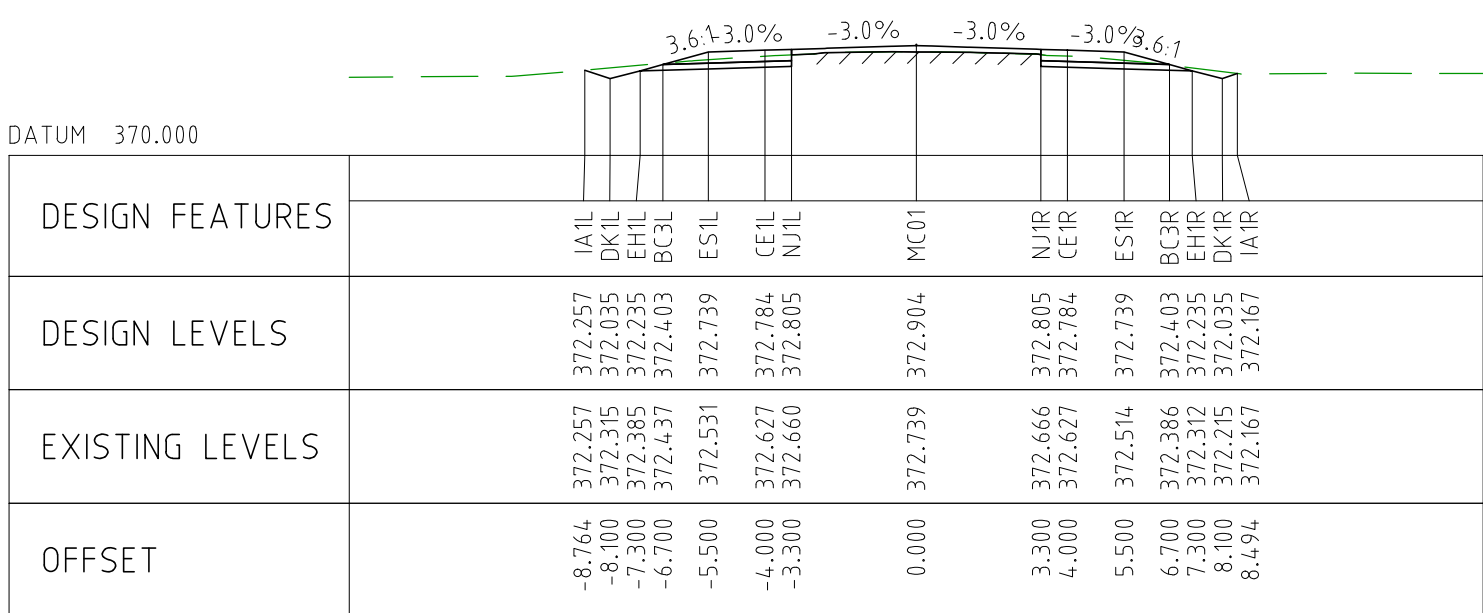
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS36.dwg					PLOT DATE 04 Nov 2022		TIME 12:26:45		CLIENT DOCUMENT No COV-M040-CI-DWG-0148							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003		DRAFTER	JW					MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 36 OF 41			
				DRAFTING CHECK	TM											
				DESIGNER	TM											
				DESIGN CHECK	TM											
				PROJECT MANAGER	DM											
						PROJECT DIRECTOR	RI		SMC PROJECT No 3006493				SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS36	REVISION 0



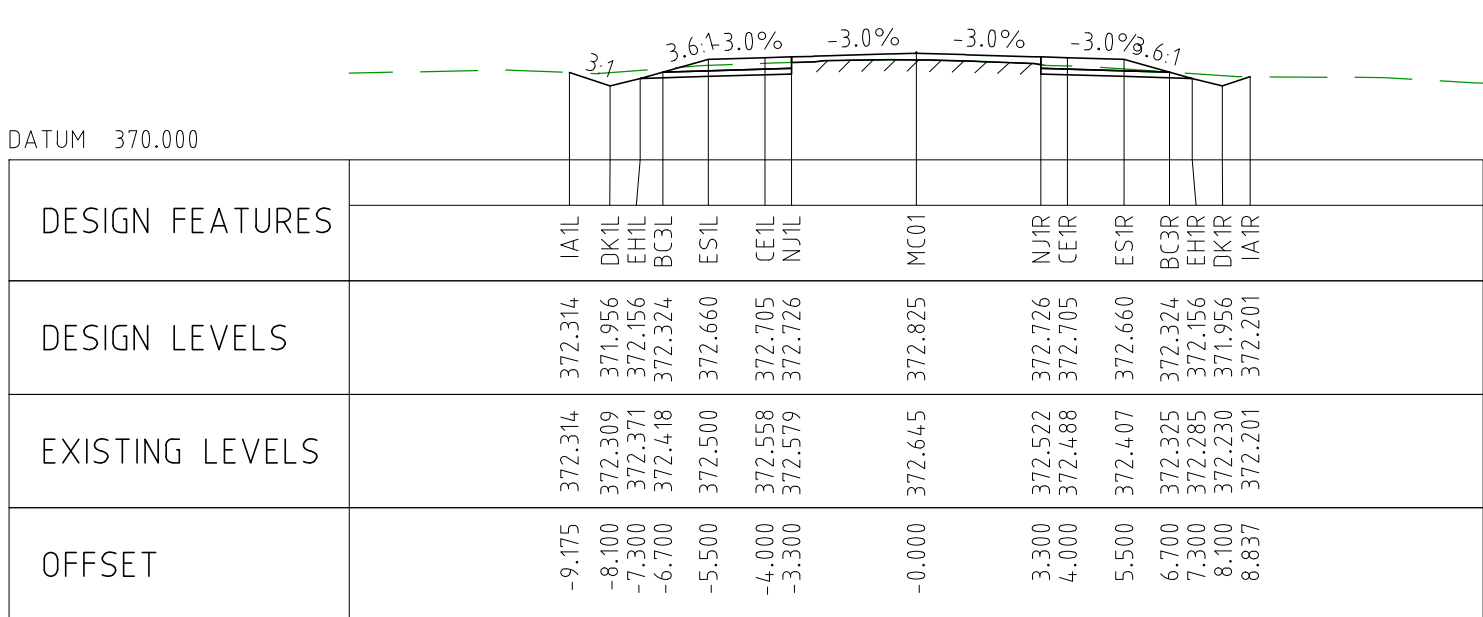
CHAINAGE 26950



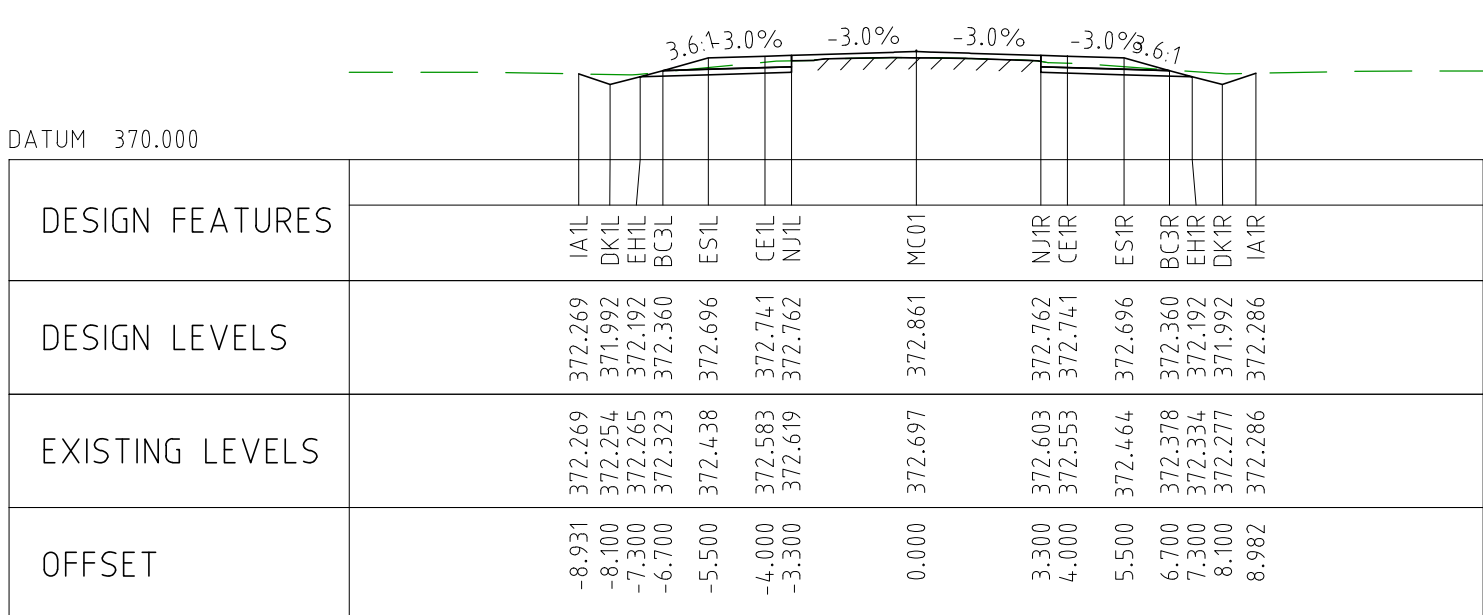
CHAINAGE 26900



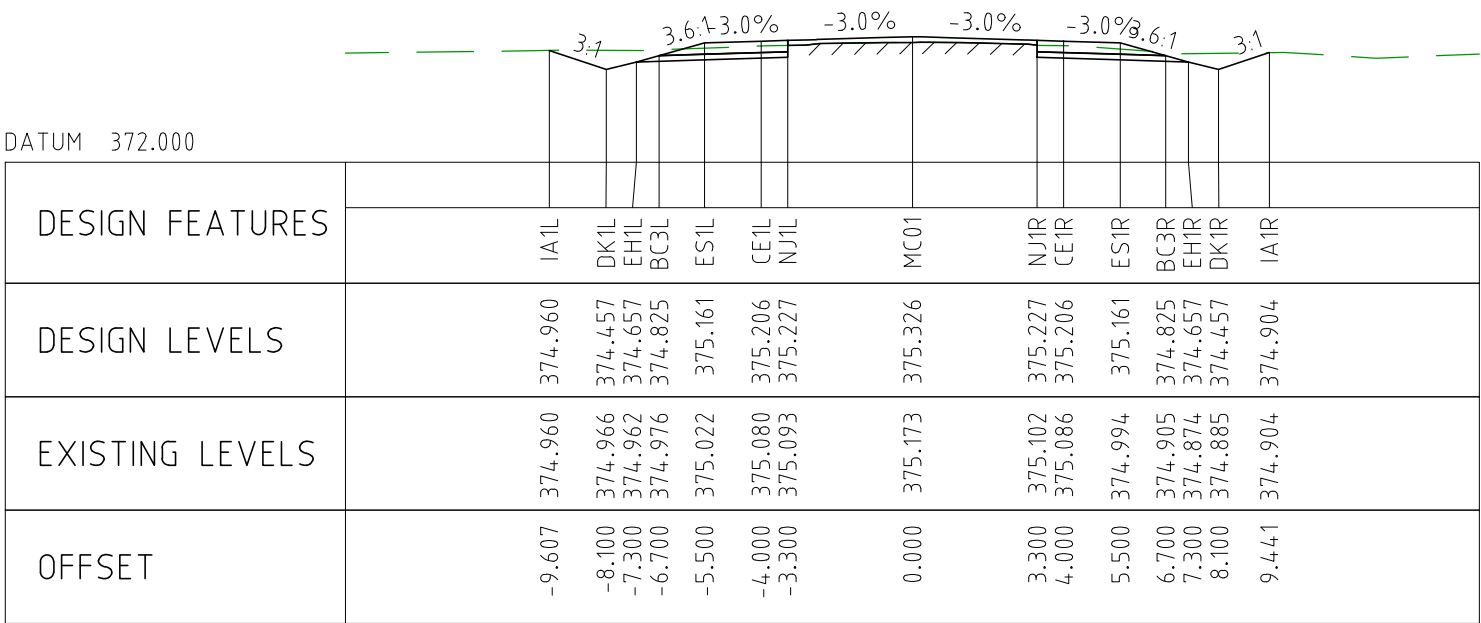
CHAINAGE 26850



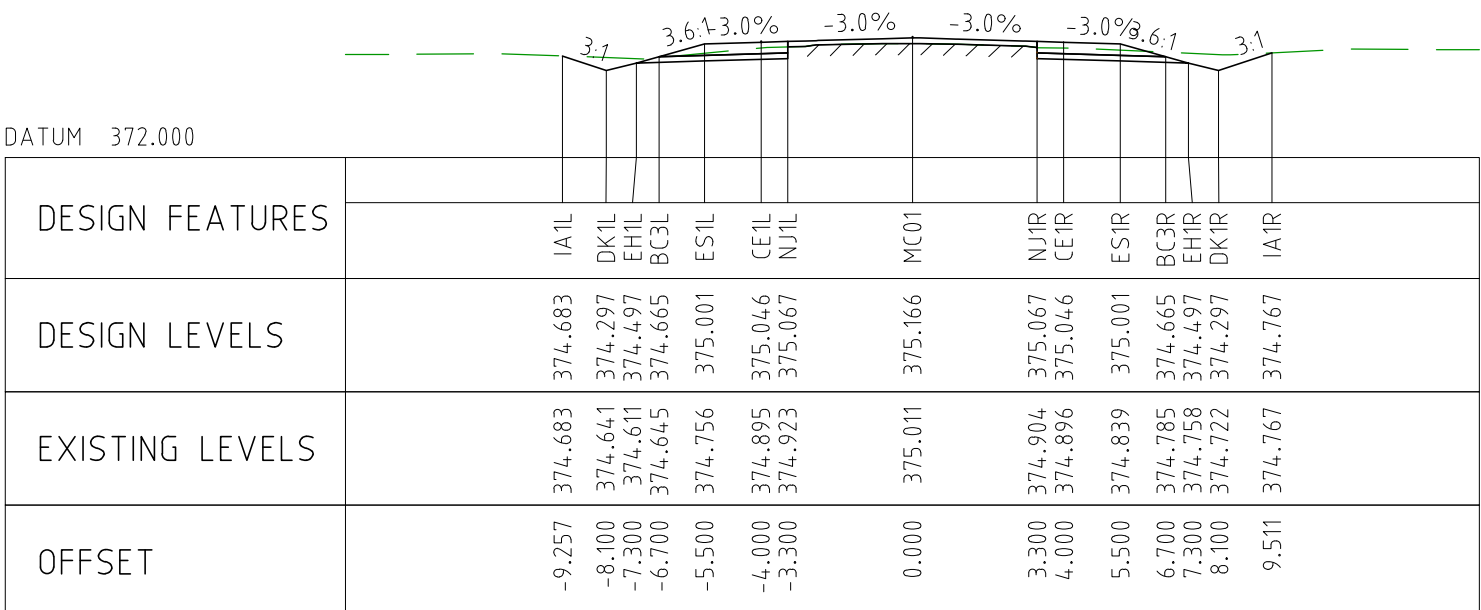
CHAINAGE 26800



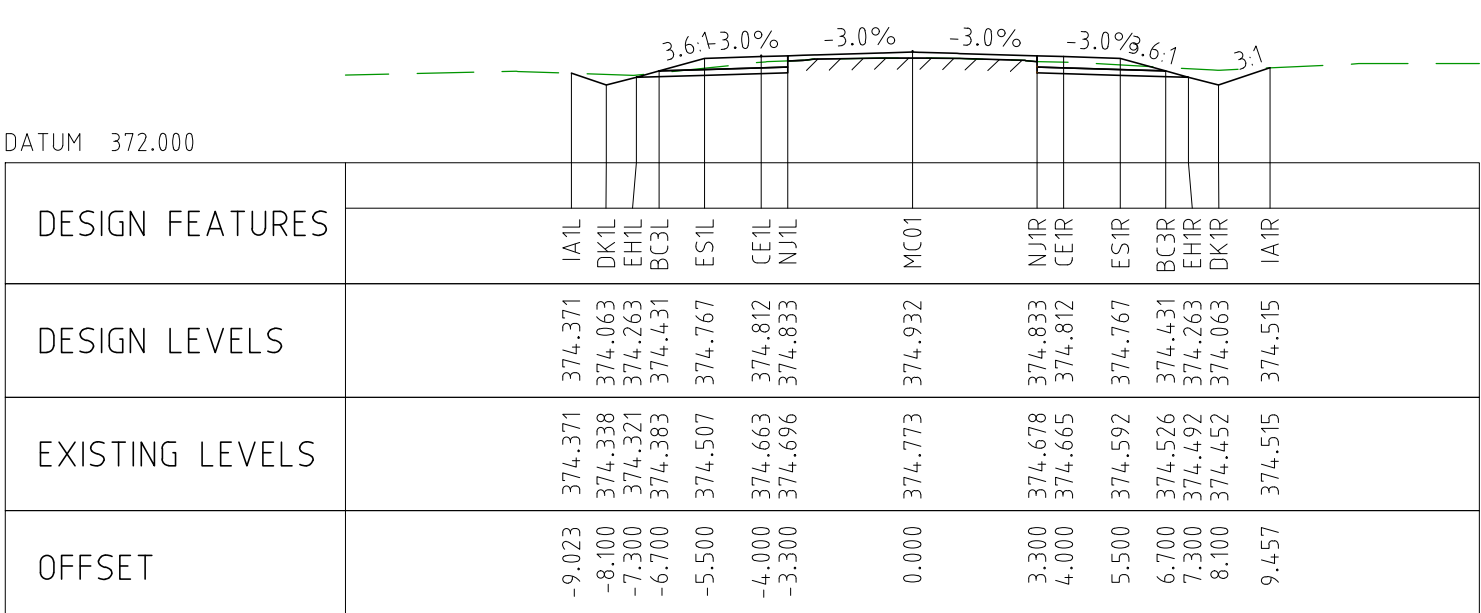
CHAINAGE 26750



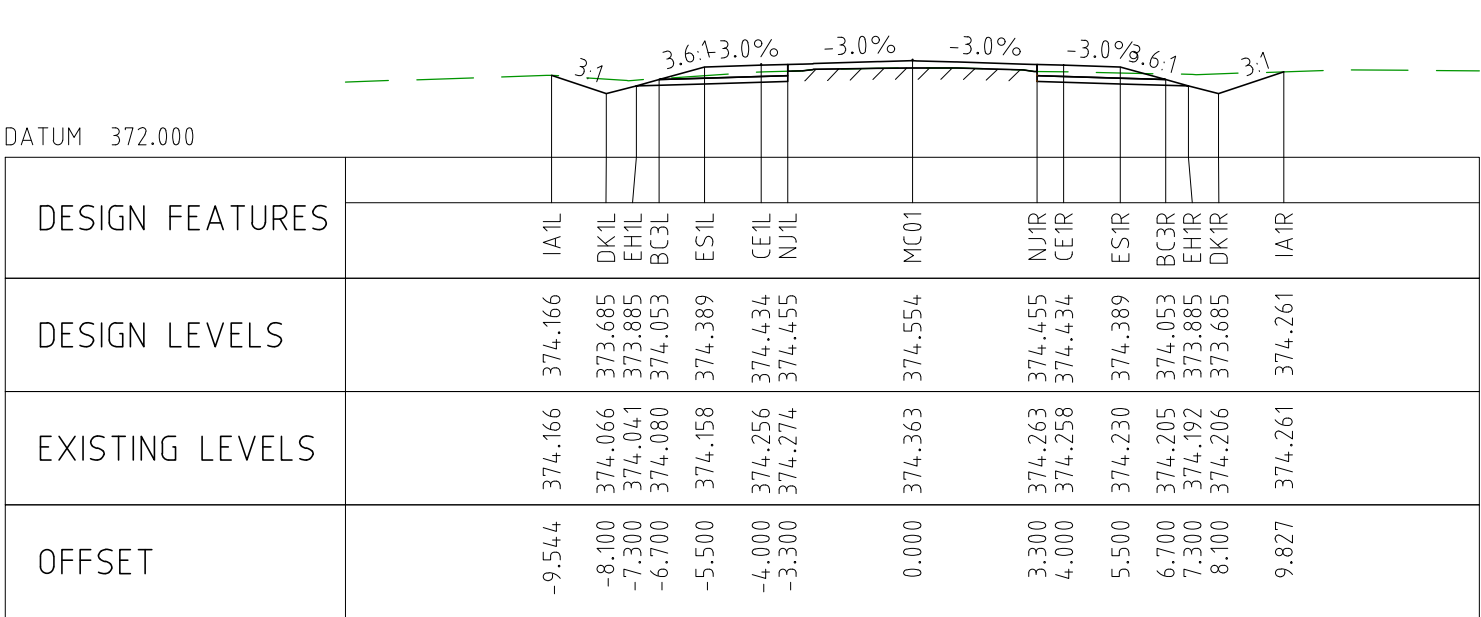
CHAINAGE 27200



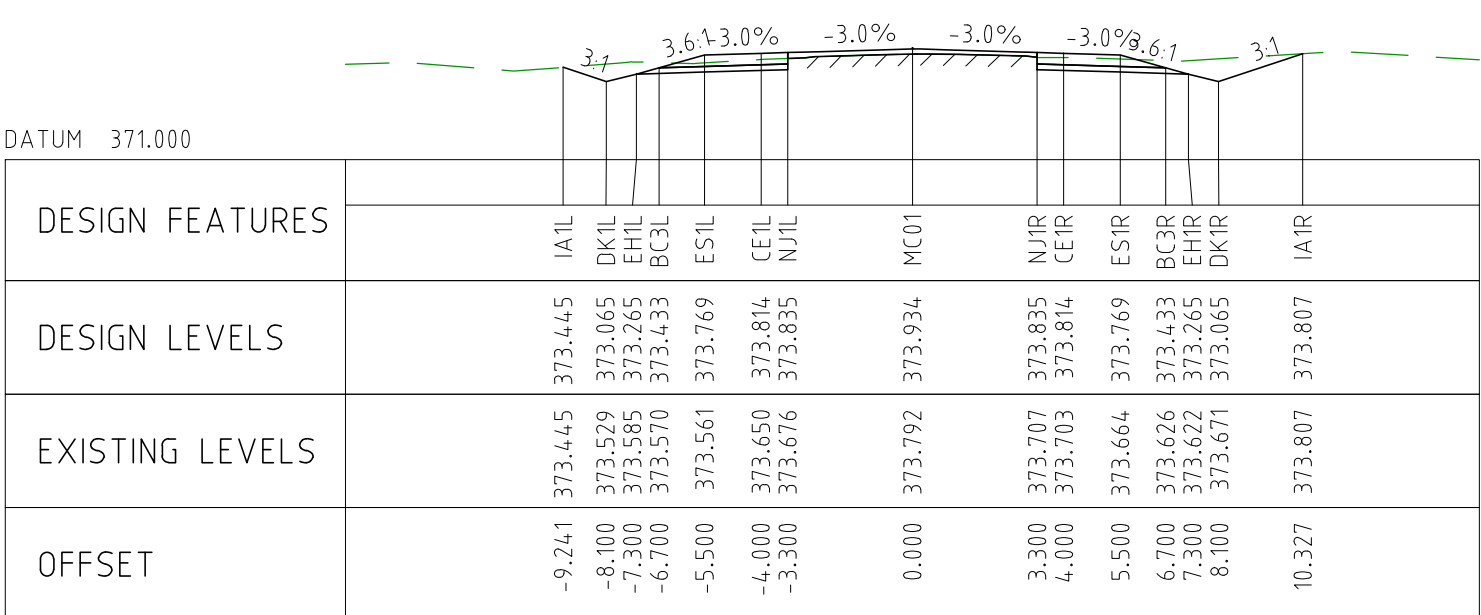
CHAINAGE 27150



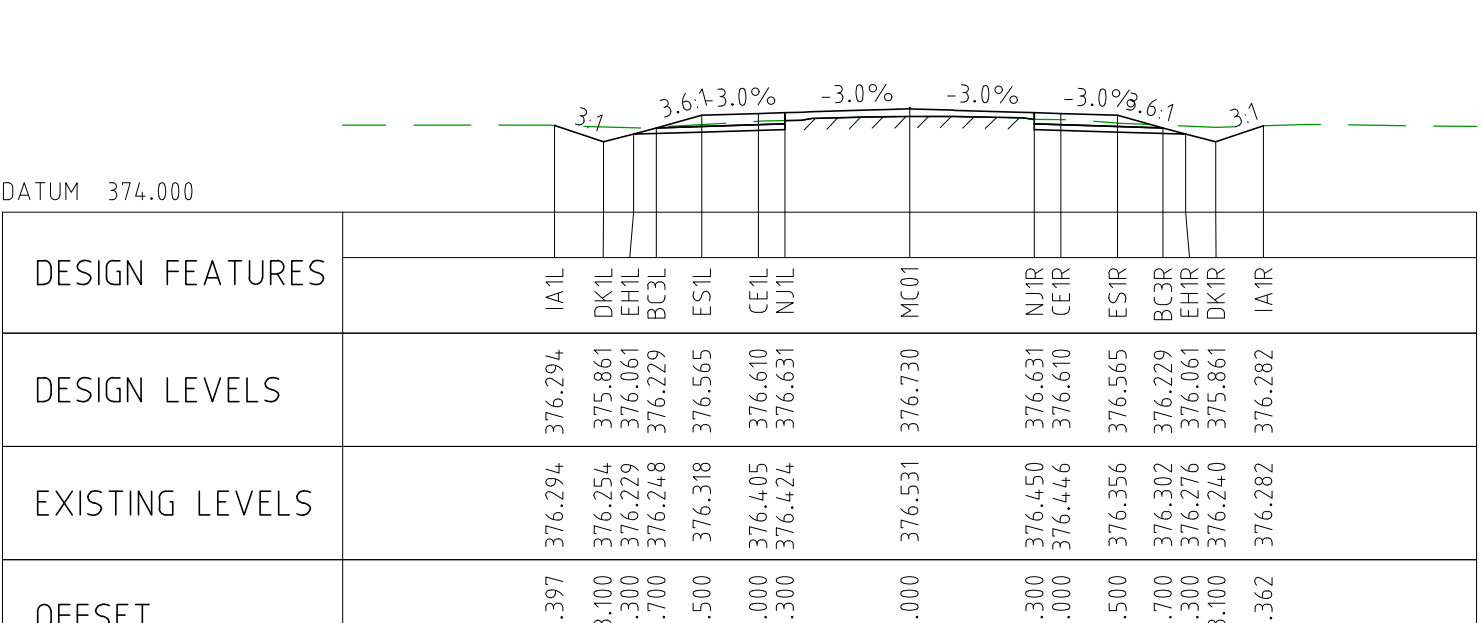
CHAINAGE 27100



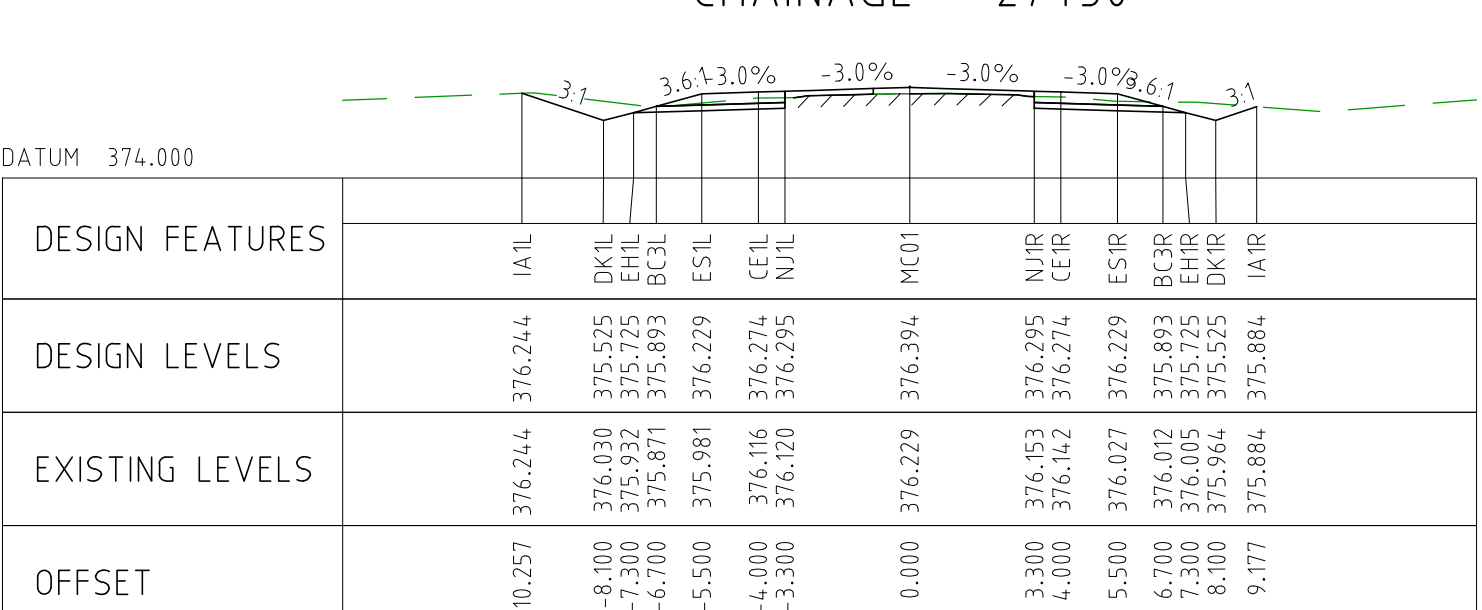
CHAINAGE 27050



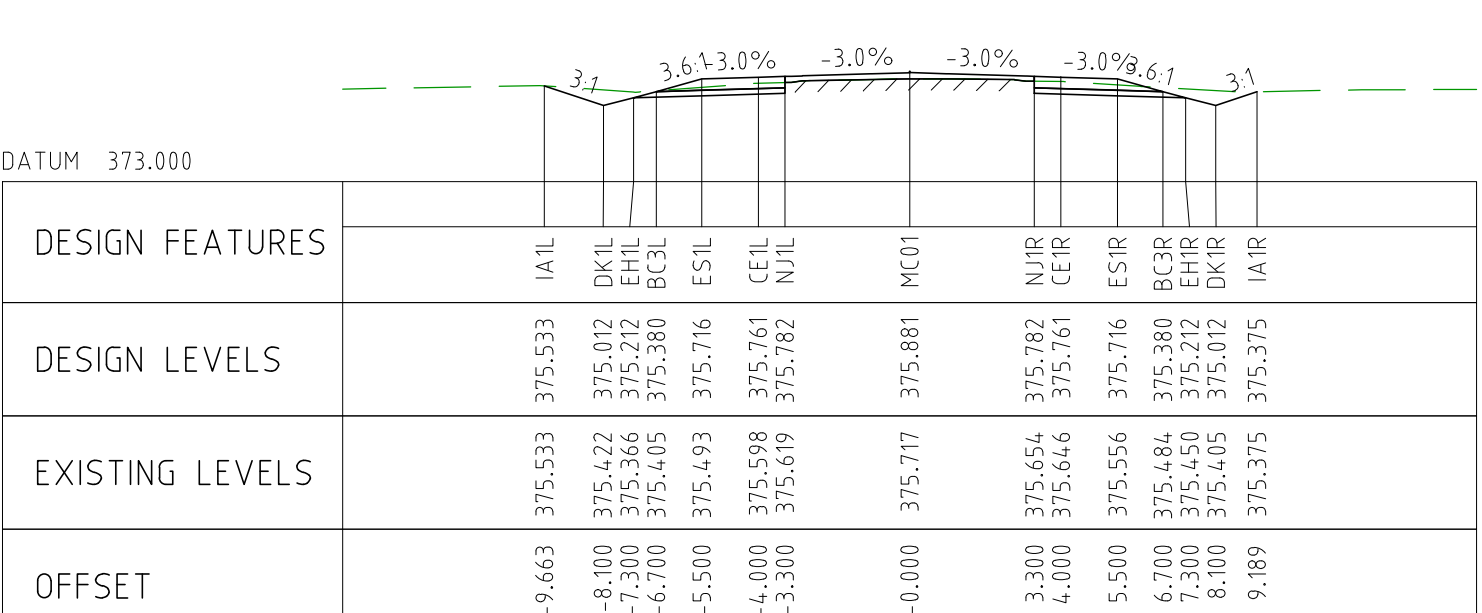
CHAINAGE 27000



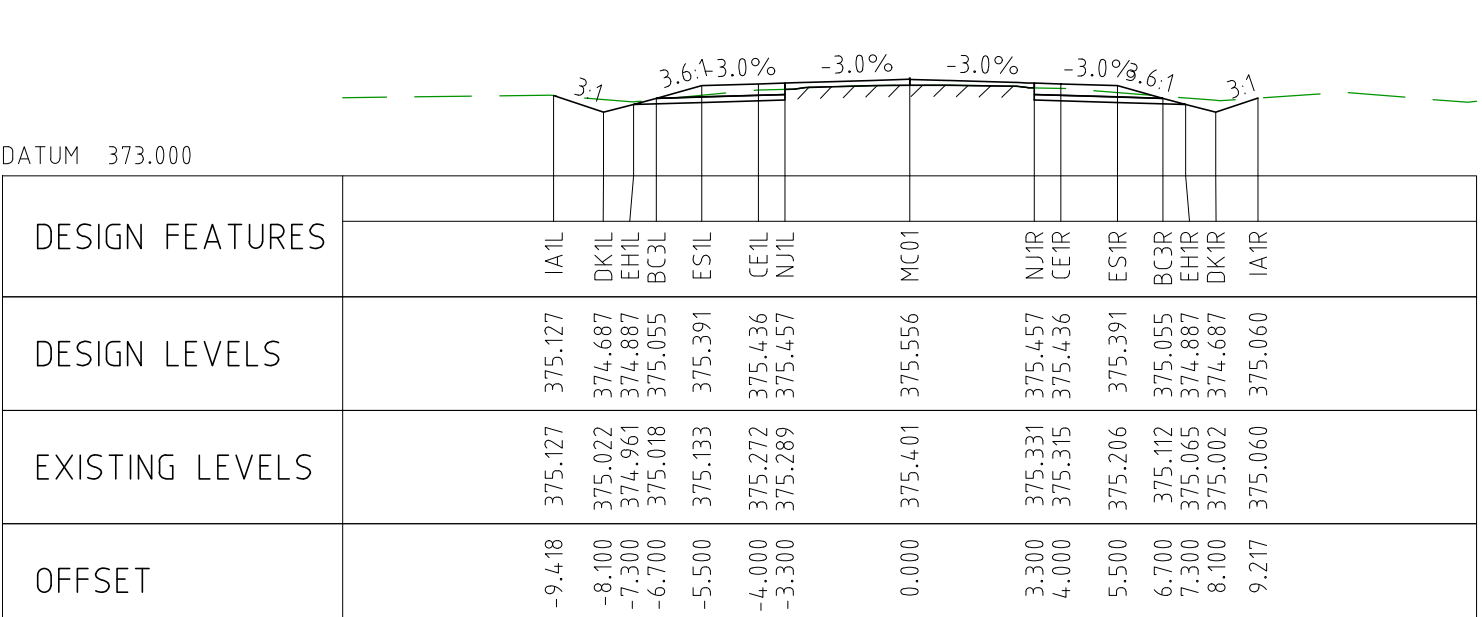
CHAINAGE 27450



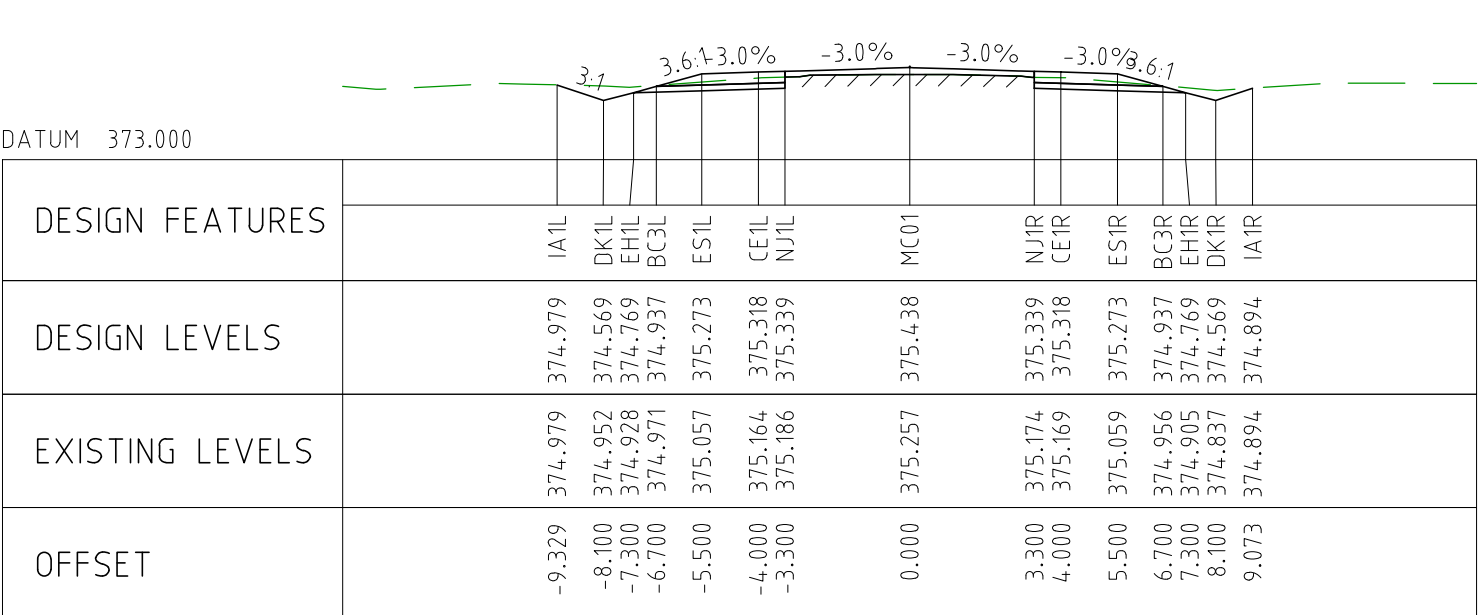
CHAINAGE 27400



CHAINAGE 27350




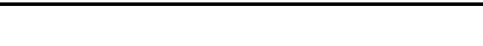

CHAINAGE 27300

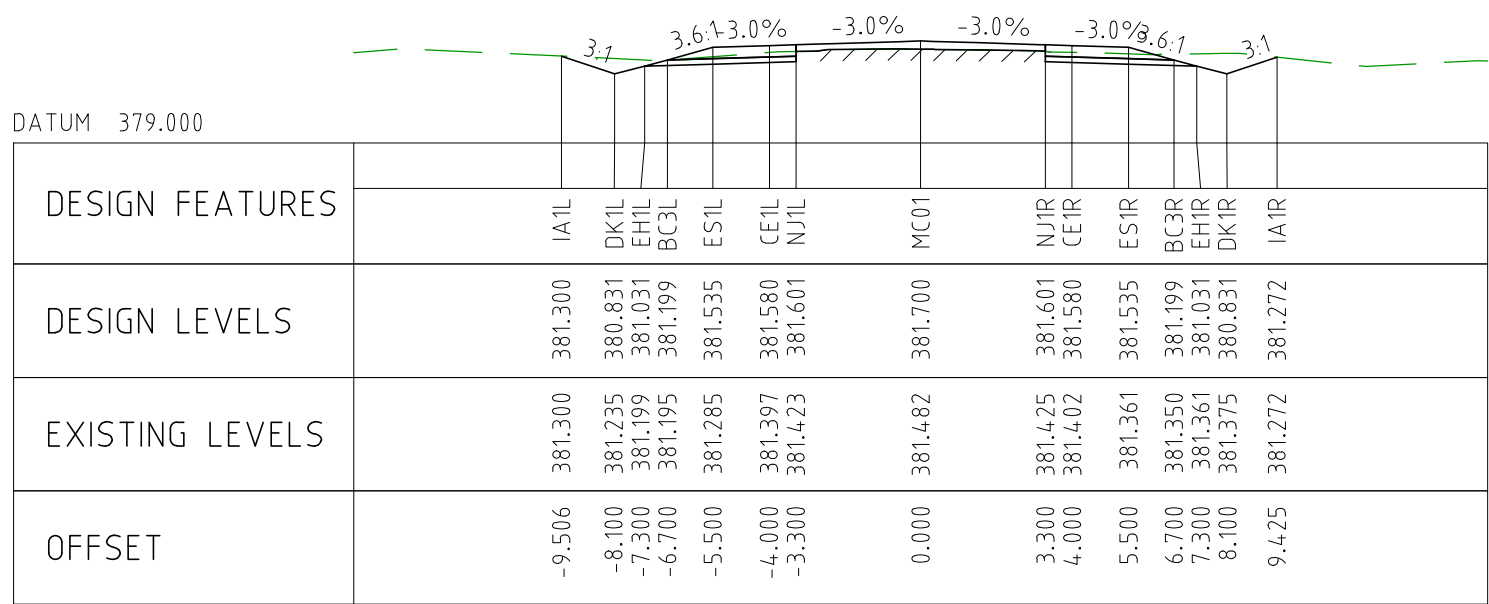


CHAINAGE 27250

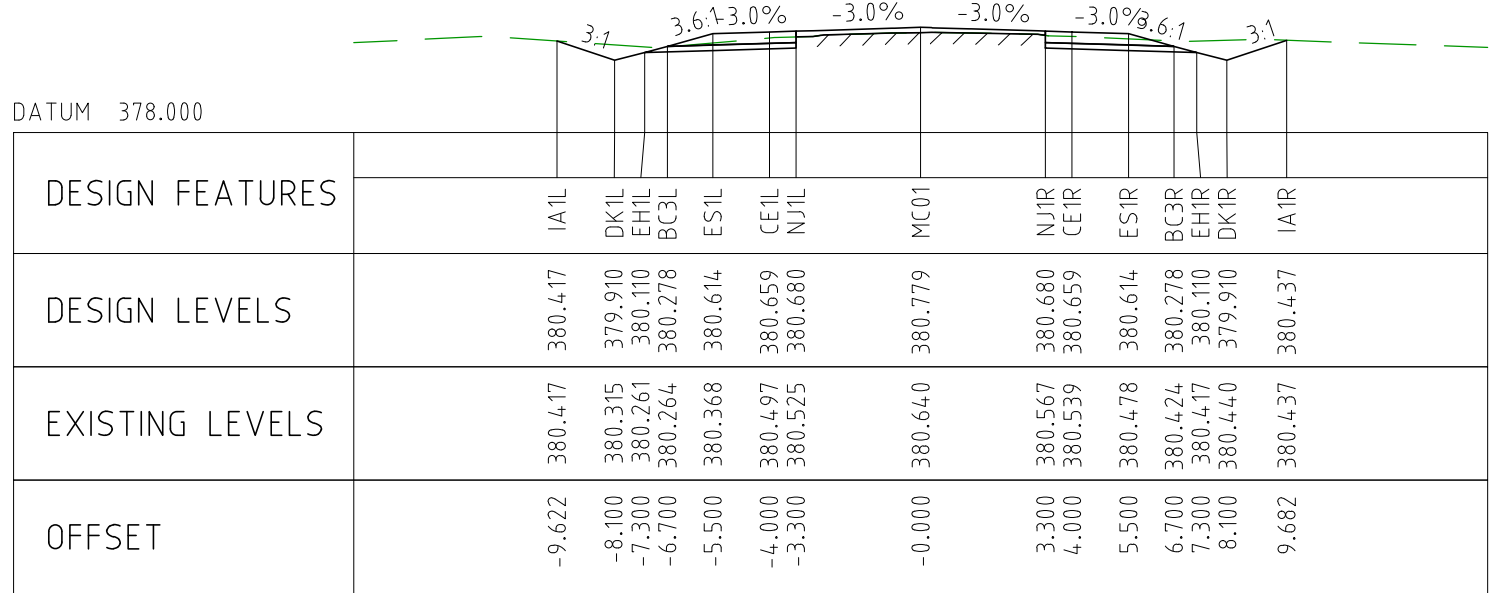
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

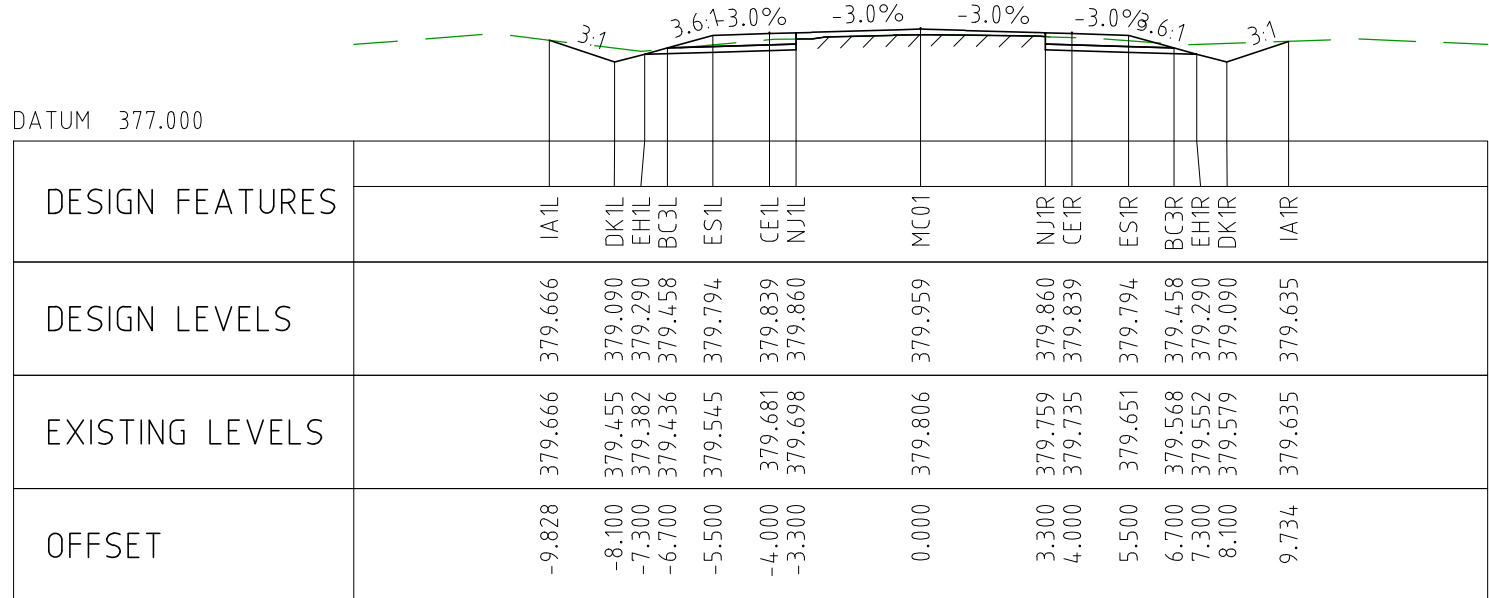
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS37.dwg					PLOT DATE 04 Nov 2022		TIME 12:27:31		CLIENT DOCUMENT No COV-M040-CI-DWG-0149					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 37 OF 41		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW						
							DRAFTING CHECK	TM						
							DESIGNER	TM						
							DESIGN CHECK	TM						
							PROJECT MANAGER	DM						
							PROJECT DIRECTOR	RI						
SCALE 1:200			PROJECT / DRAWING No 3006493-XS37			REVISION 0								



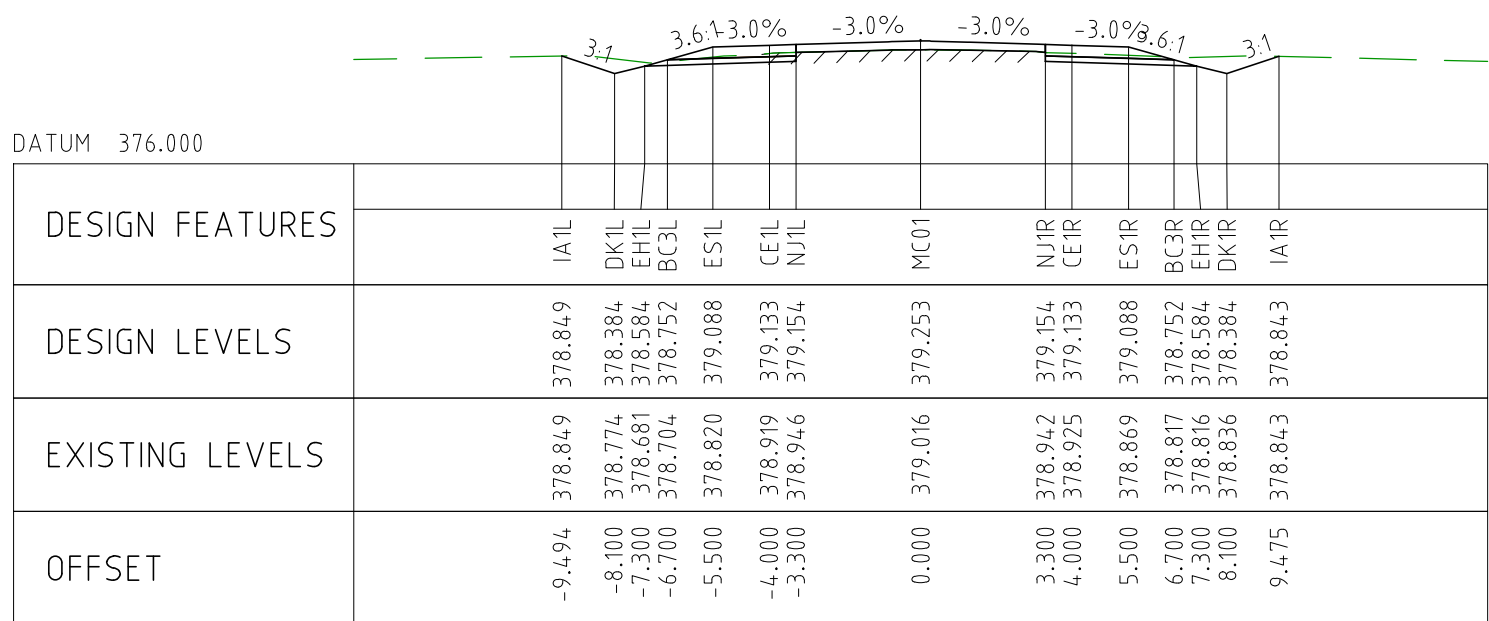
CHAINAGE 28450



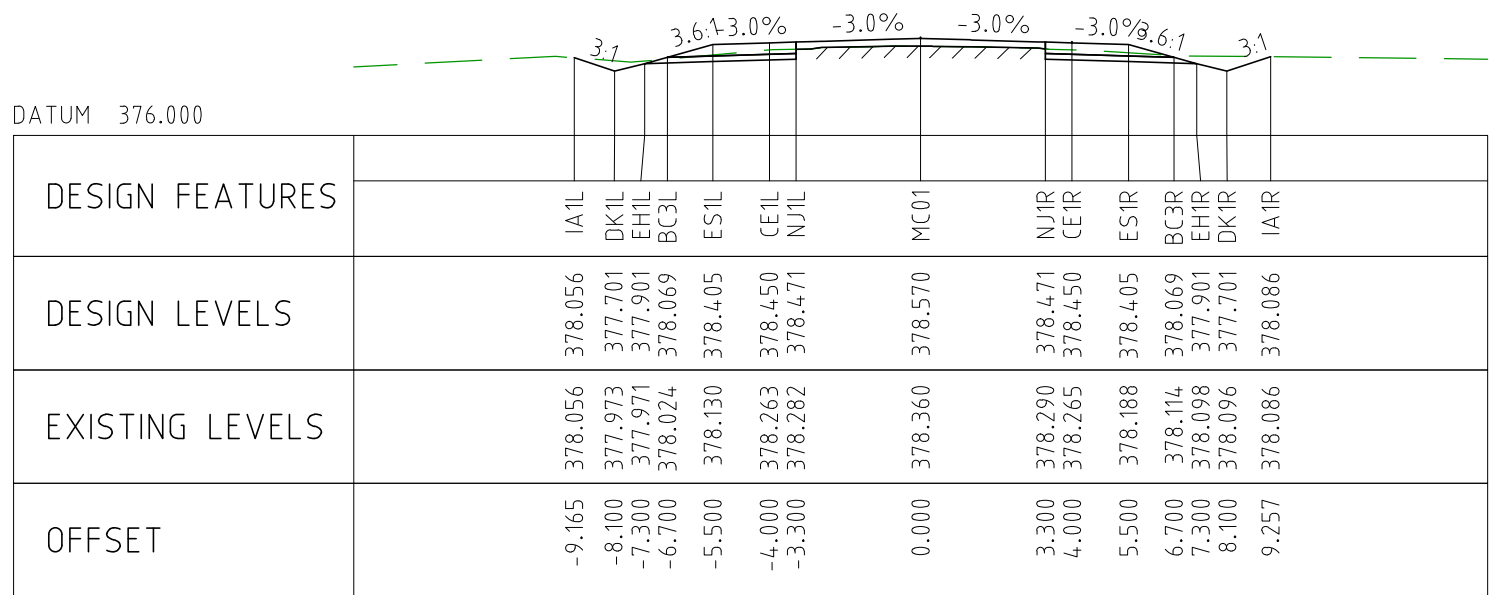
CHAINAGE 28400



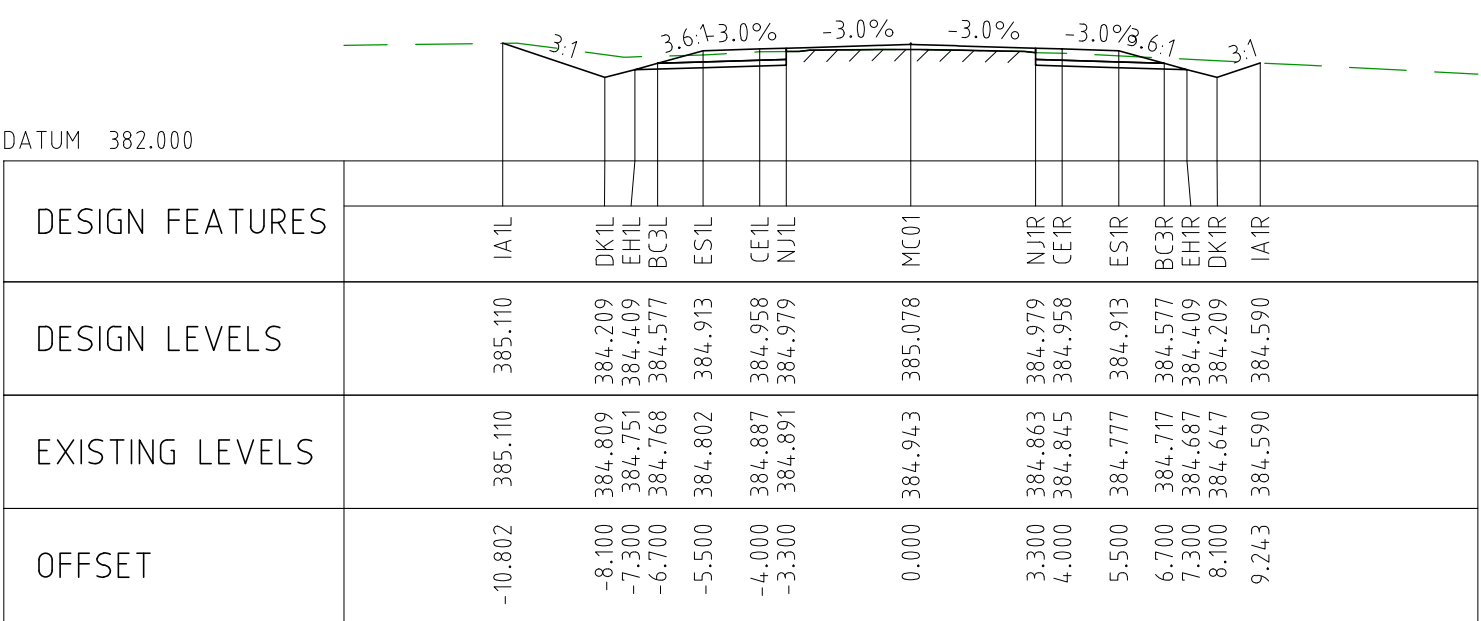
CHAINAGE 28350



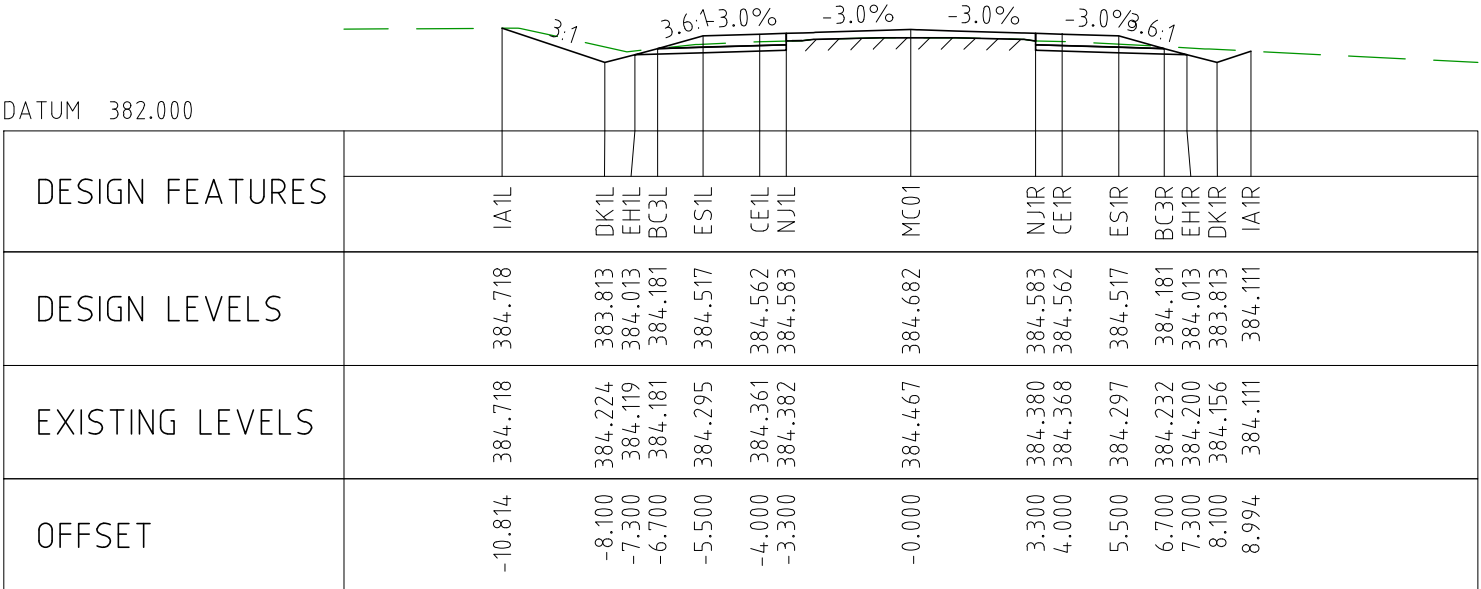
CHAINAGE 28300



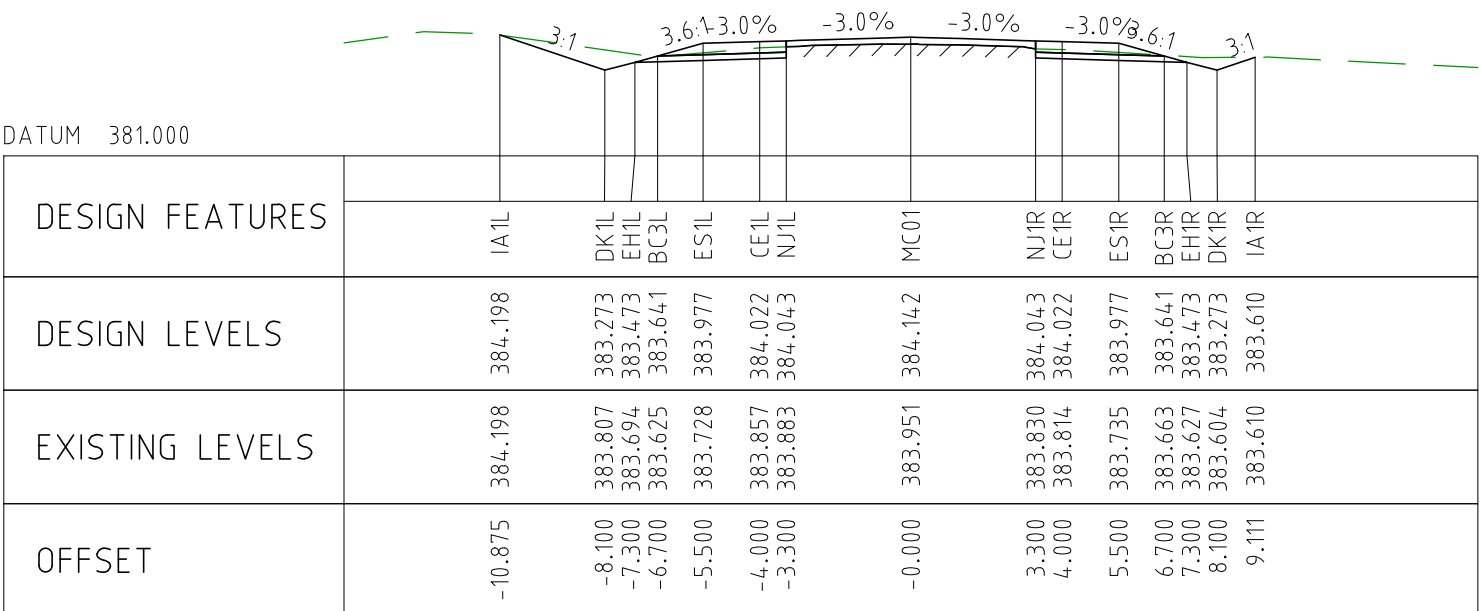
CHAINAGE 28250



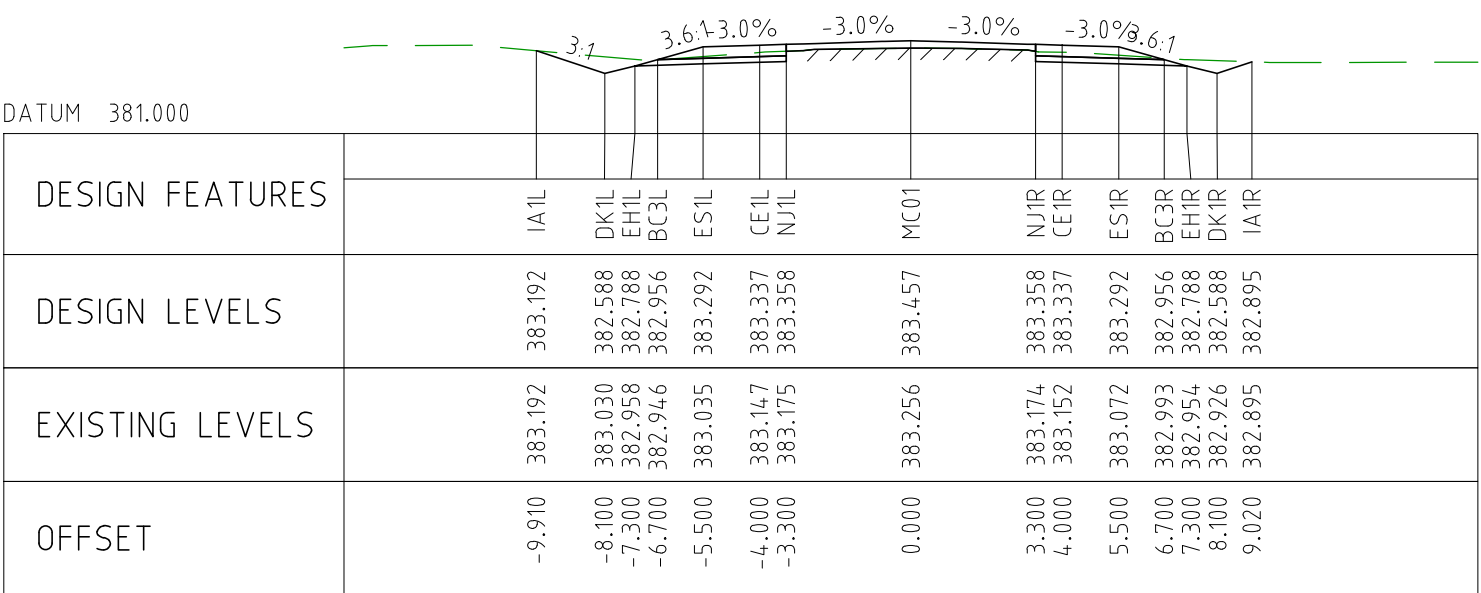
CHAINAGE 28700



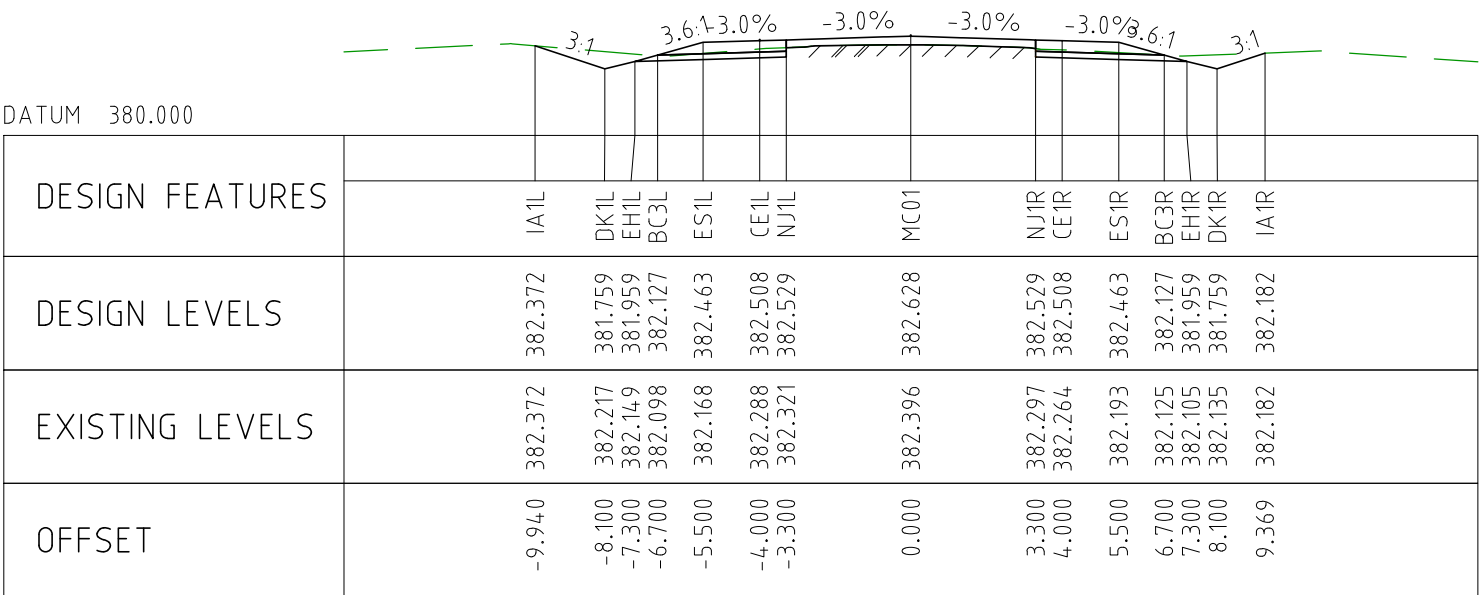
CHAINAGE 28650



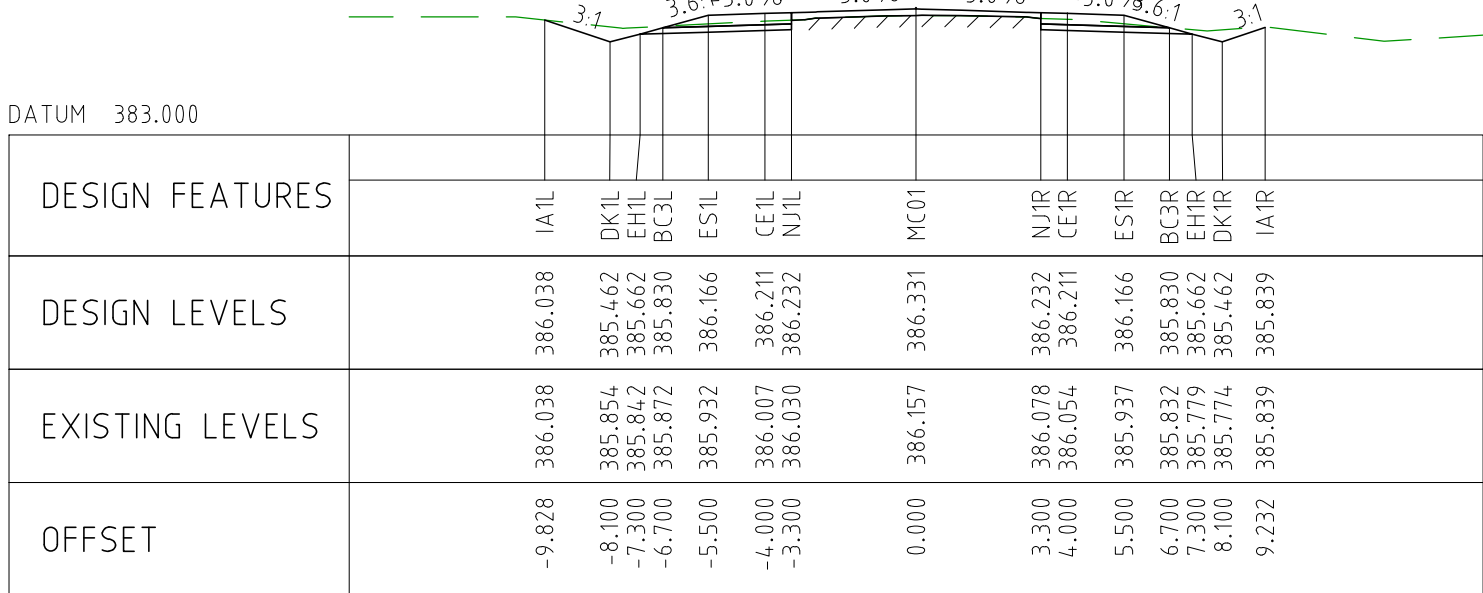
CHAINAGE 28600



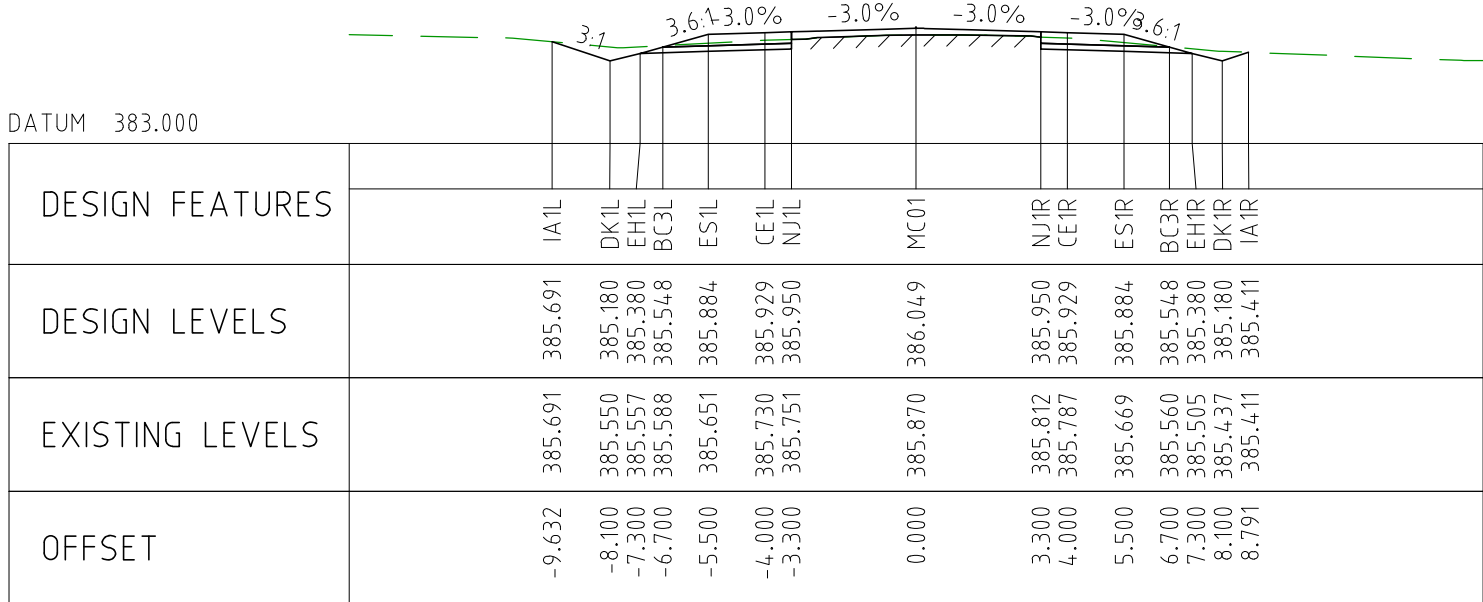
CHAINAGE 28550



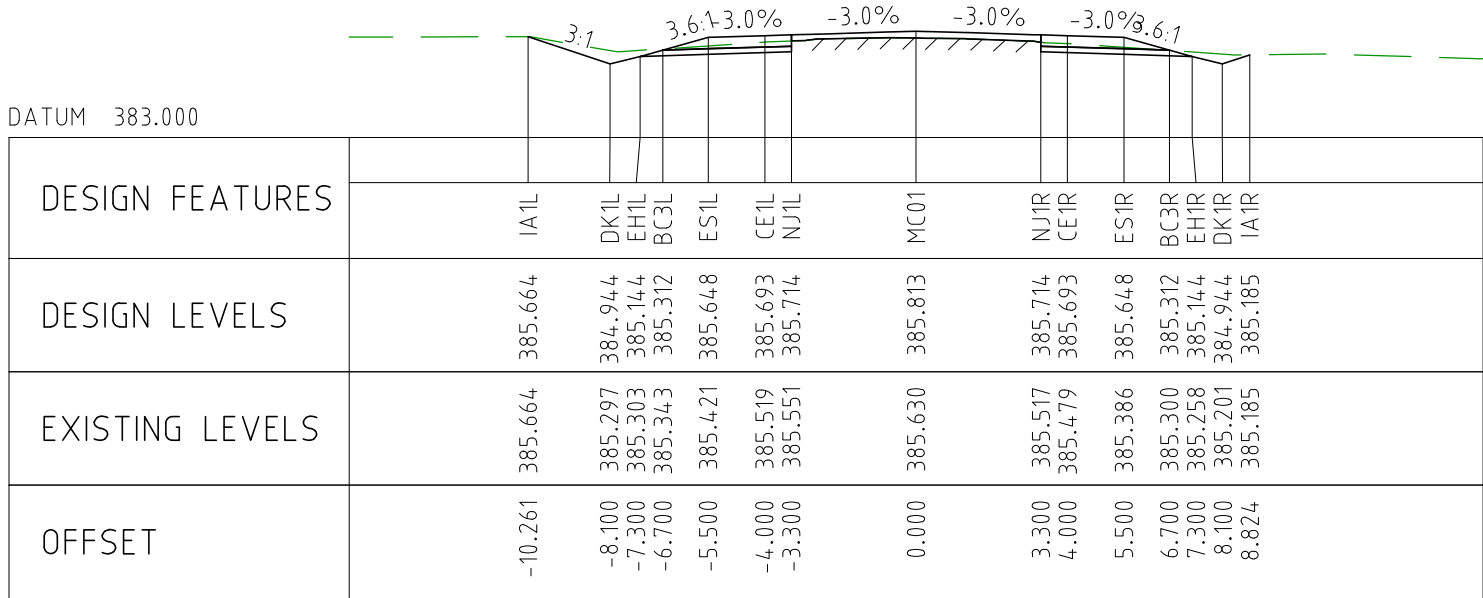
CHAINAGE 28500



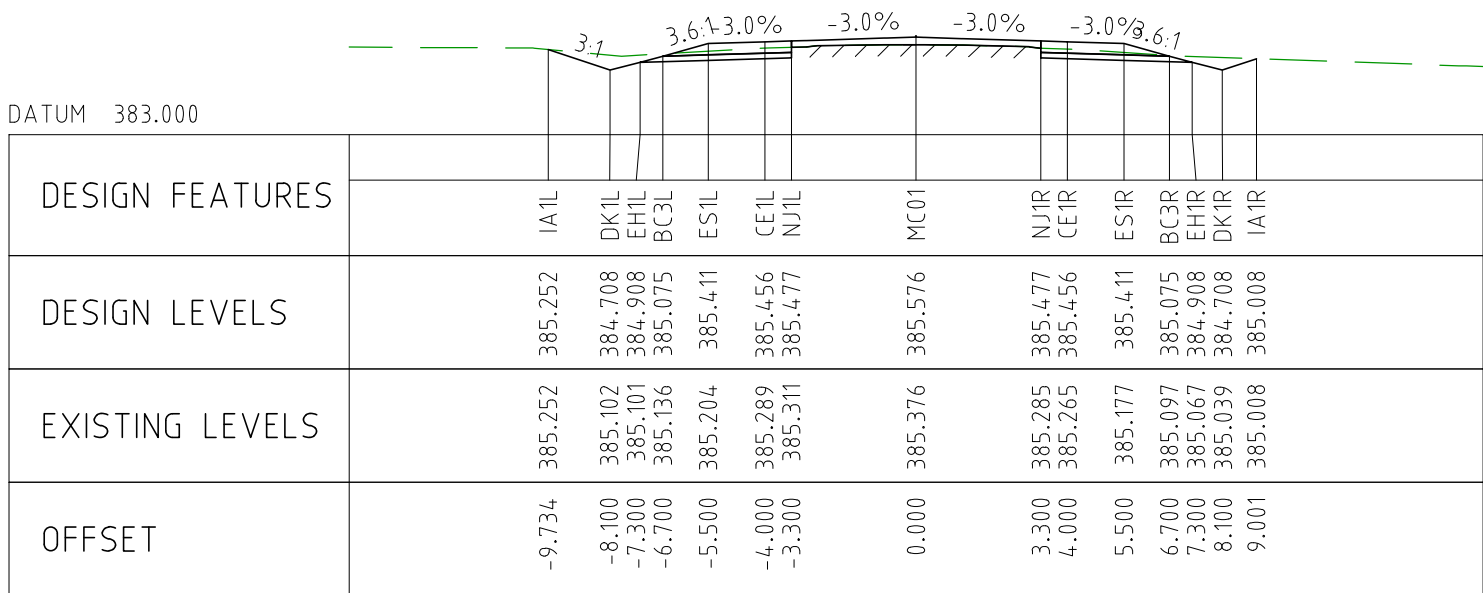
CHAINAGE 28950



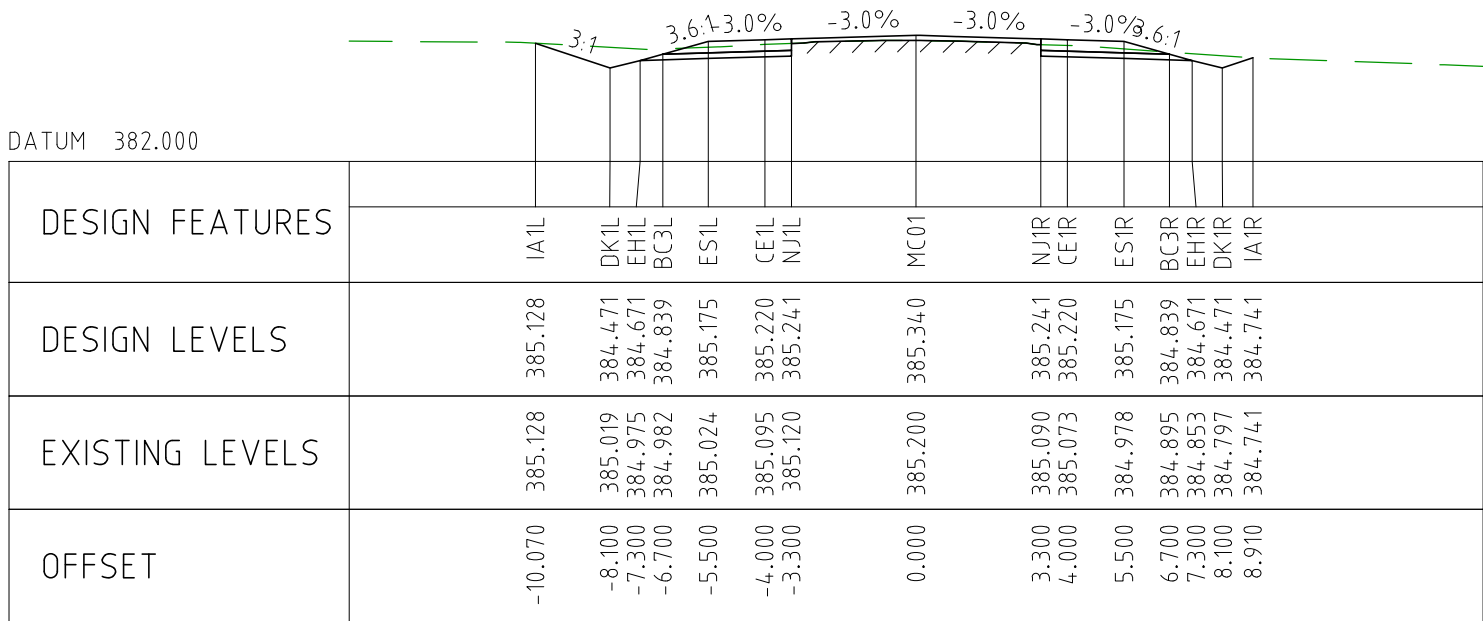
CHAINAGE 28900



CHAINAGE 28850






CHAINAGE 28800

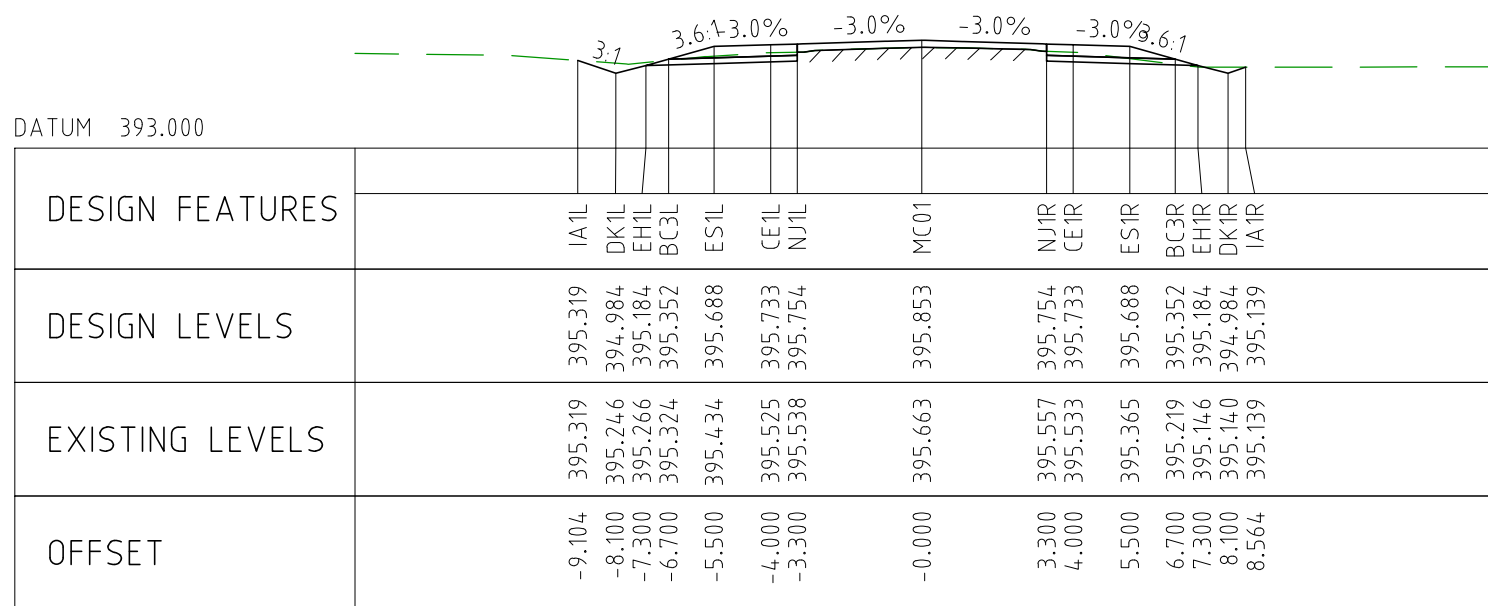


CHAINAGE 28750

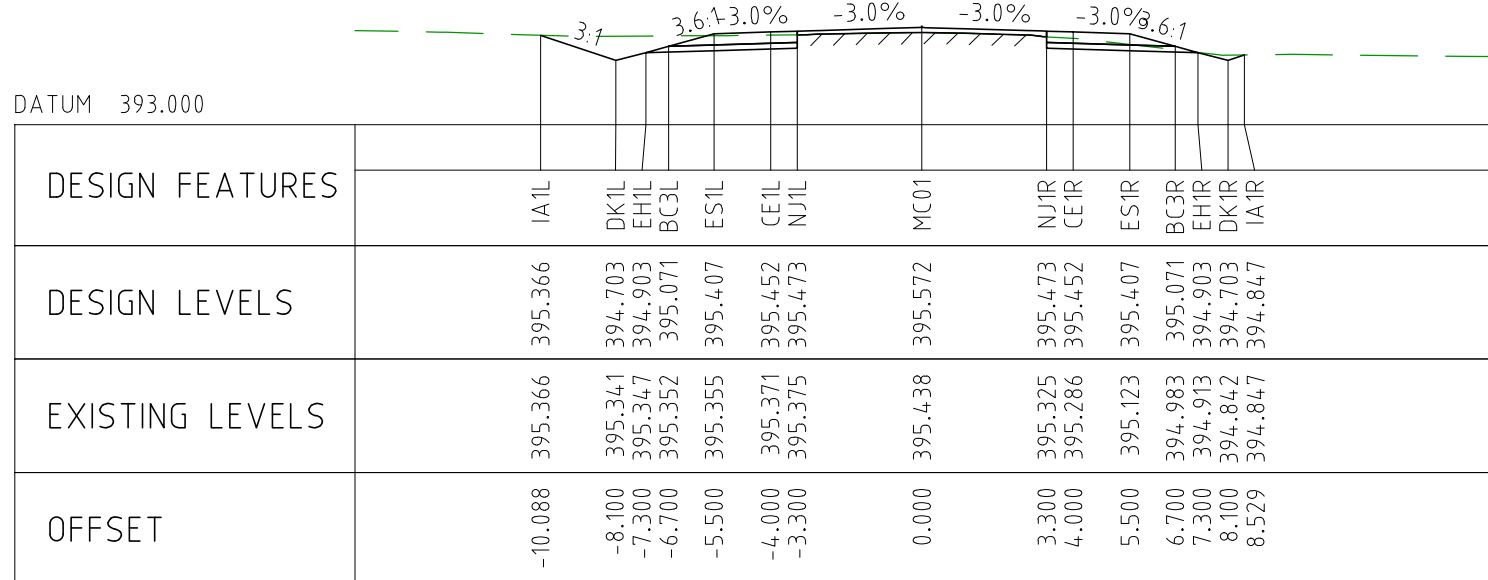
NOTES

- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

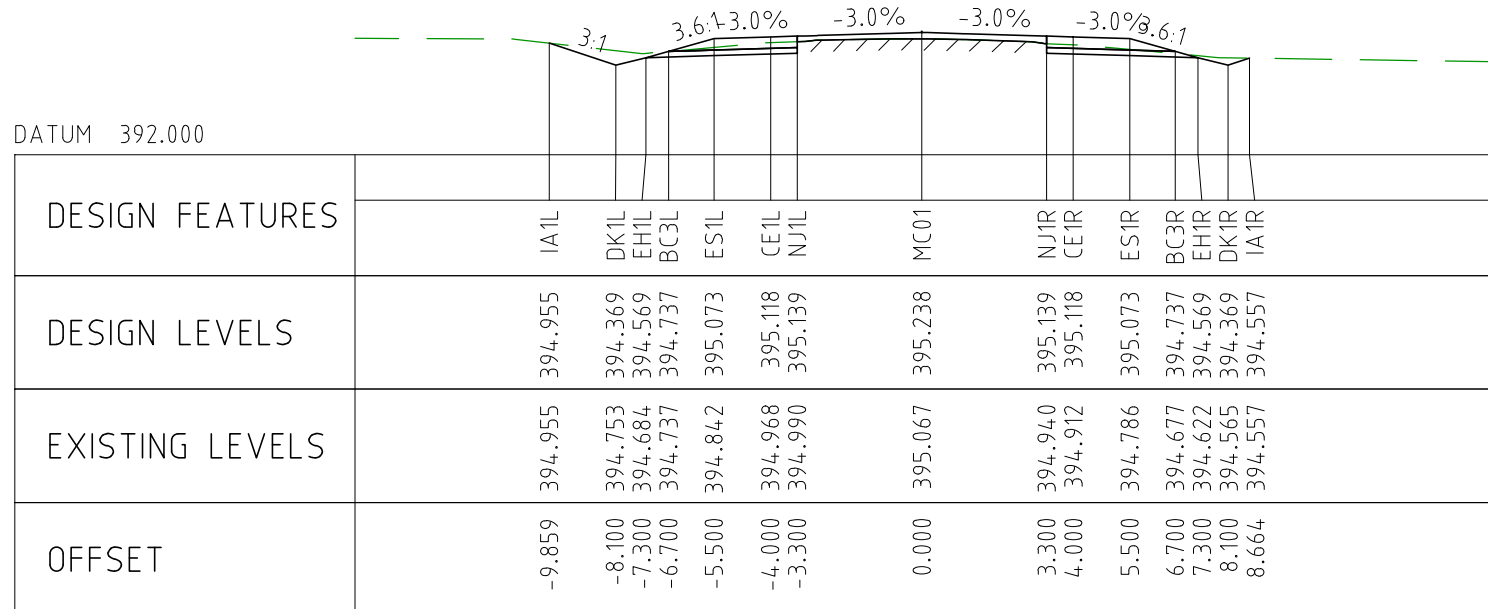
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS39.dwg					PLOT DATE 04 Nov 2022		TIME 12:29:01		CLIENT DOCUMENT No COV-M040-CI-DWG-0151							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW		 Member of the Surbana Jurong Group © ABN 47 065 475 149		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 39 OF 41				
							DRAFTING CHECK	TM								
							DESIGNER	TM								
							DESIGN CHECK	TM								
							PROJECT MANAGER	DM								
						PROJECT DIRECTOR	RI		SMC PROJECT No 3006493				SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS39	REVISION 0



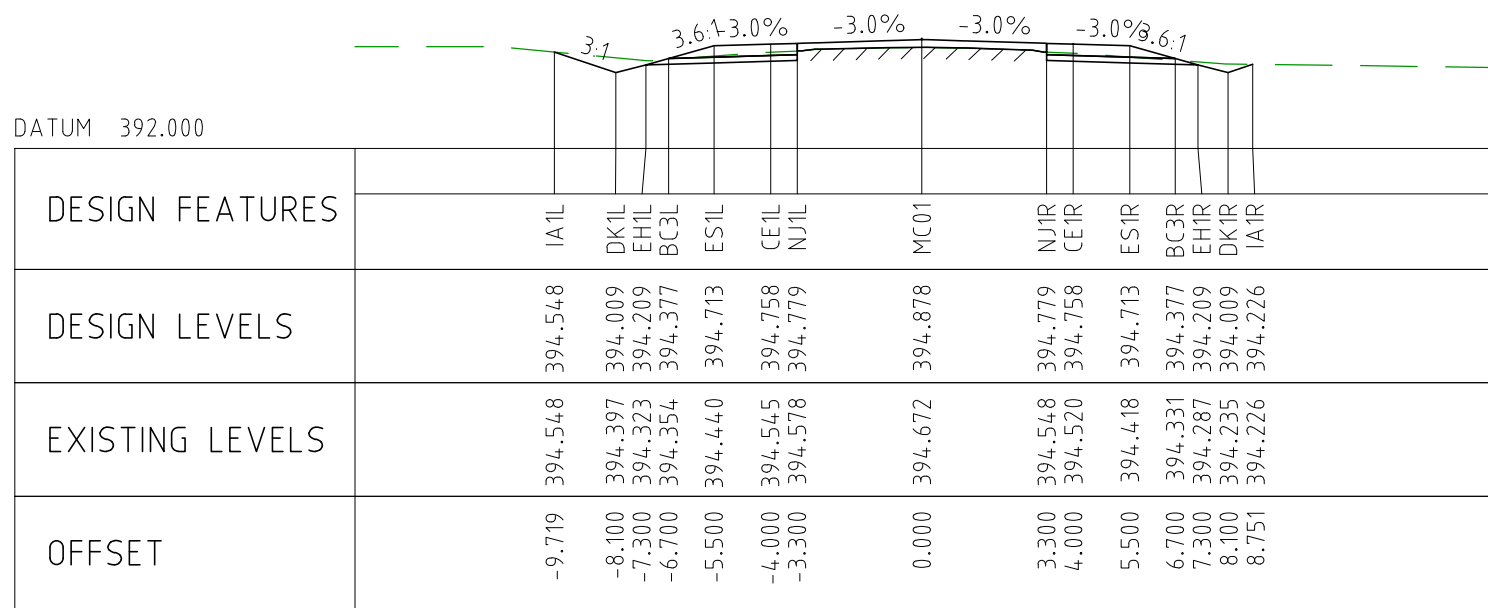
CHAINAGE 29950



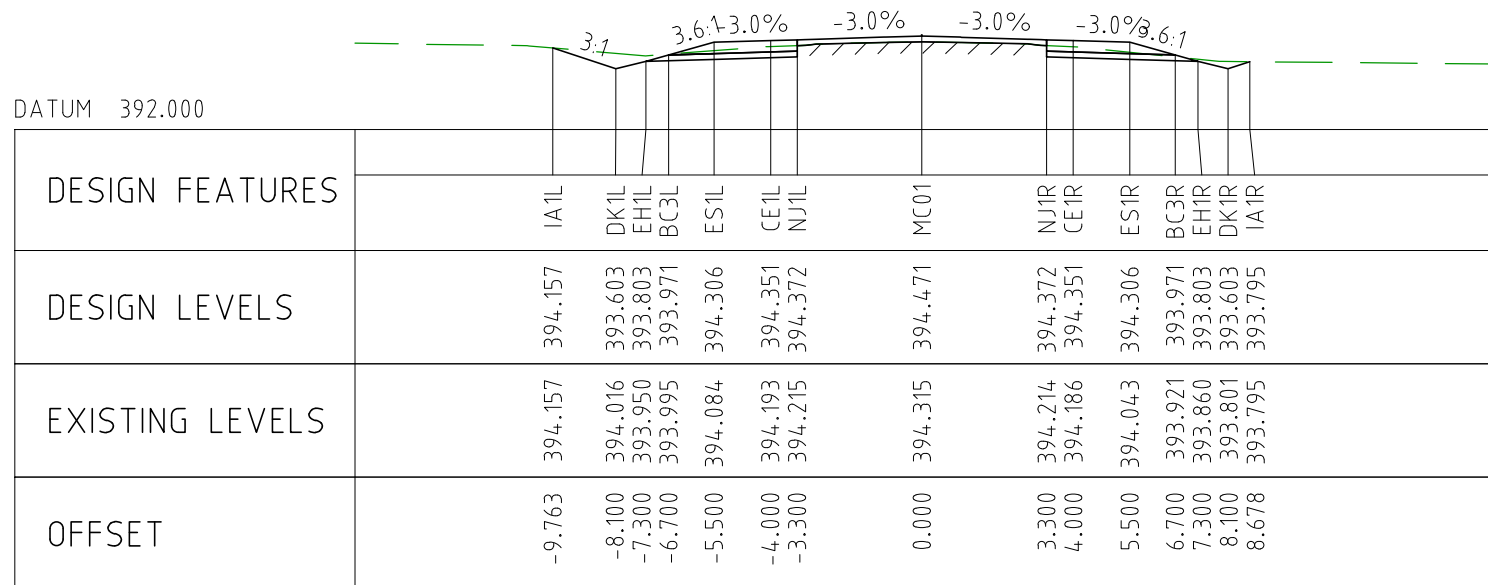
CHAINAGE 29900



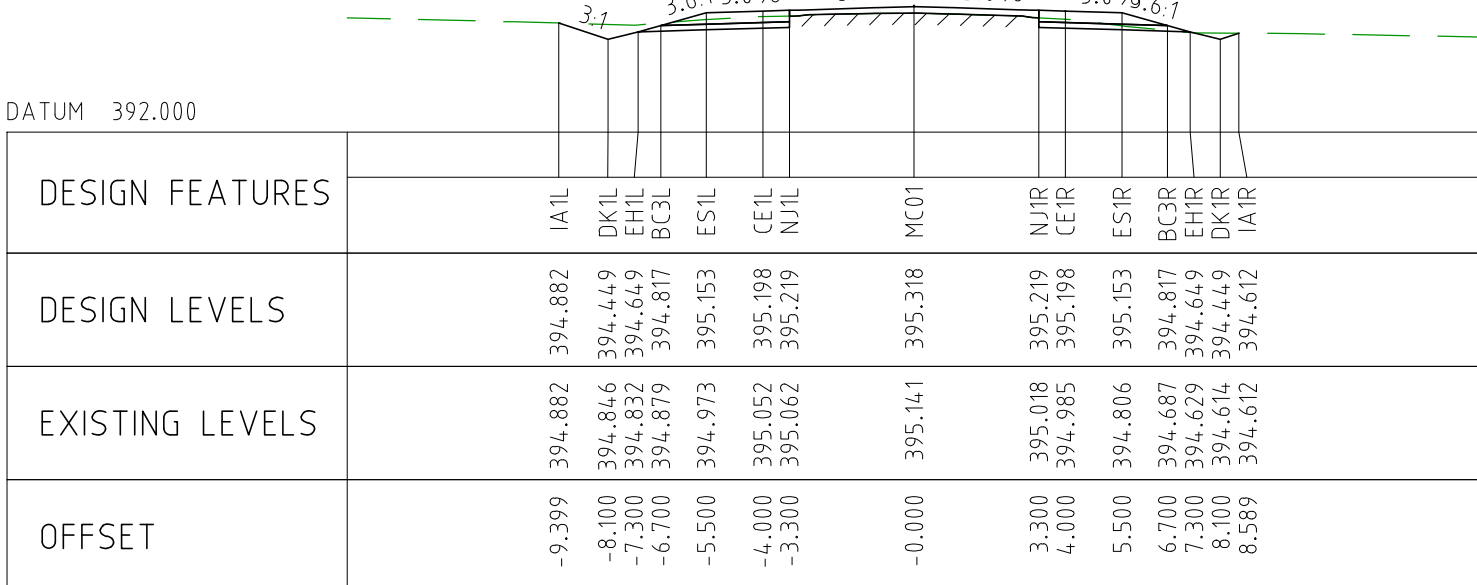
CHAINAGE 29850



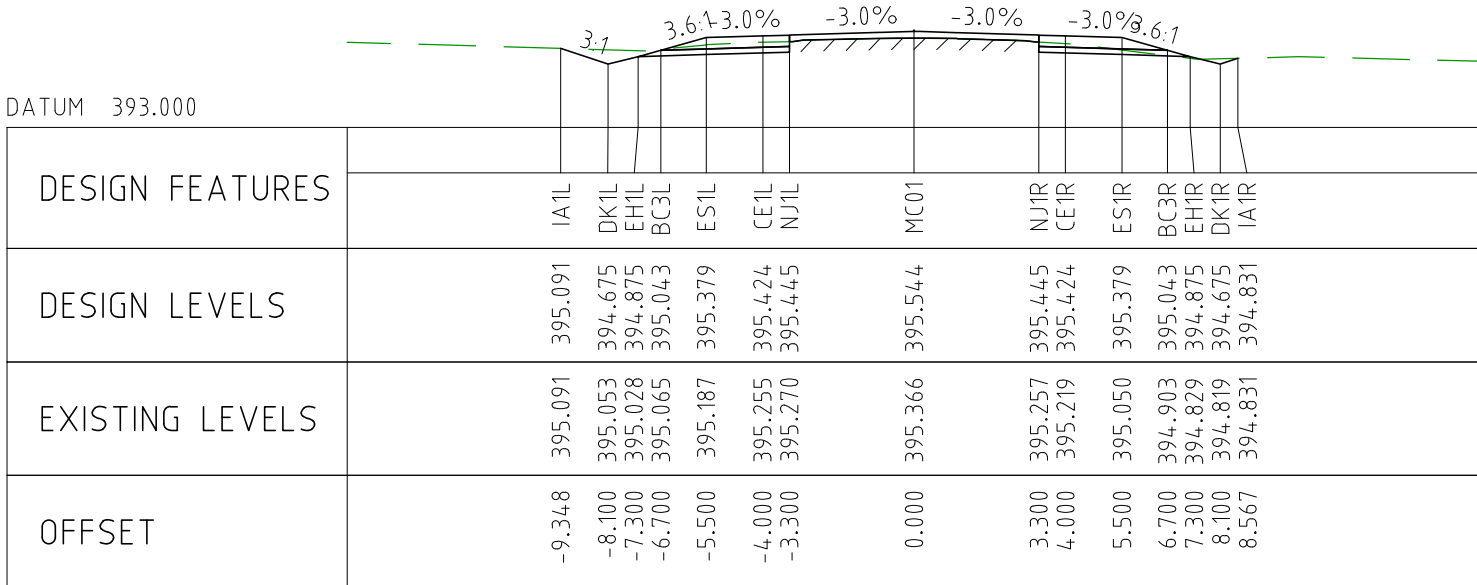
CHAINAGE 29800



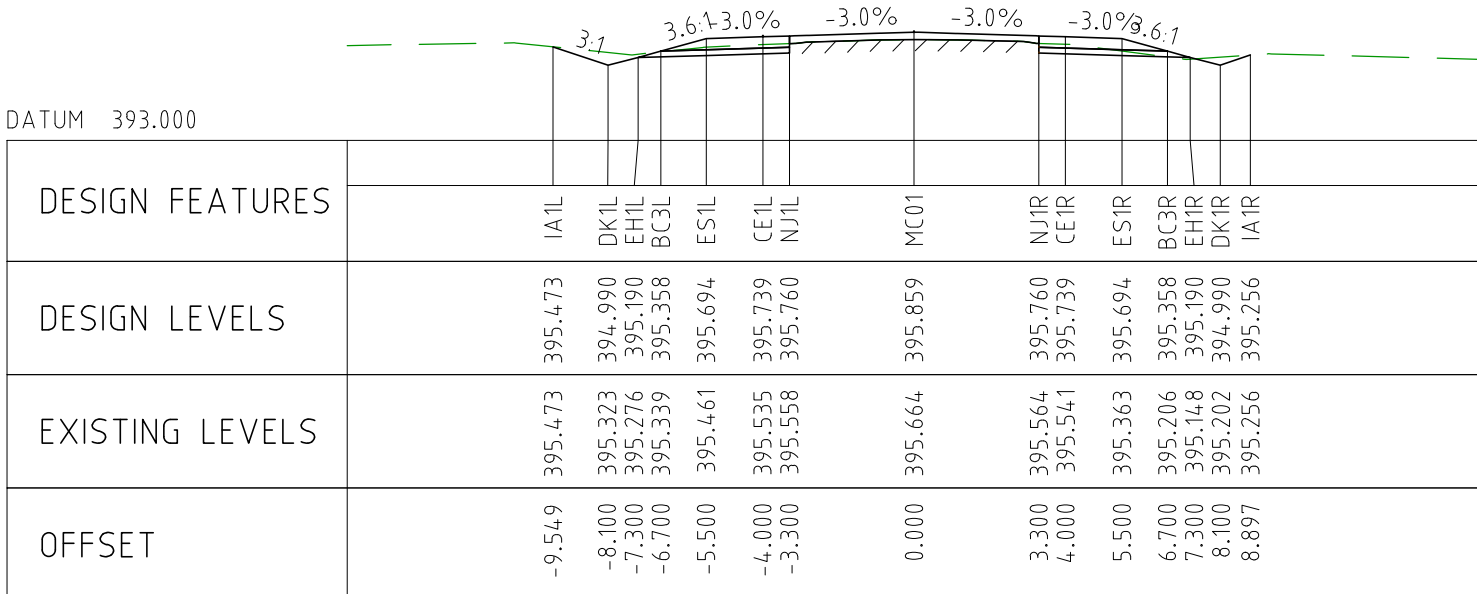
CHAINAGE 29750



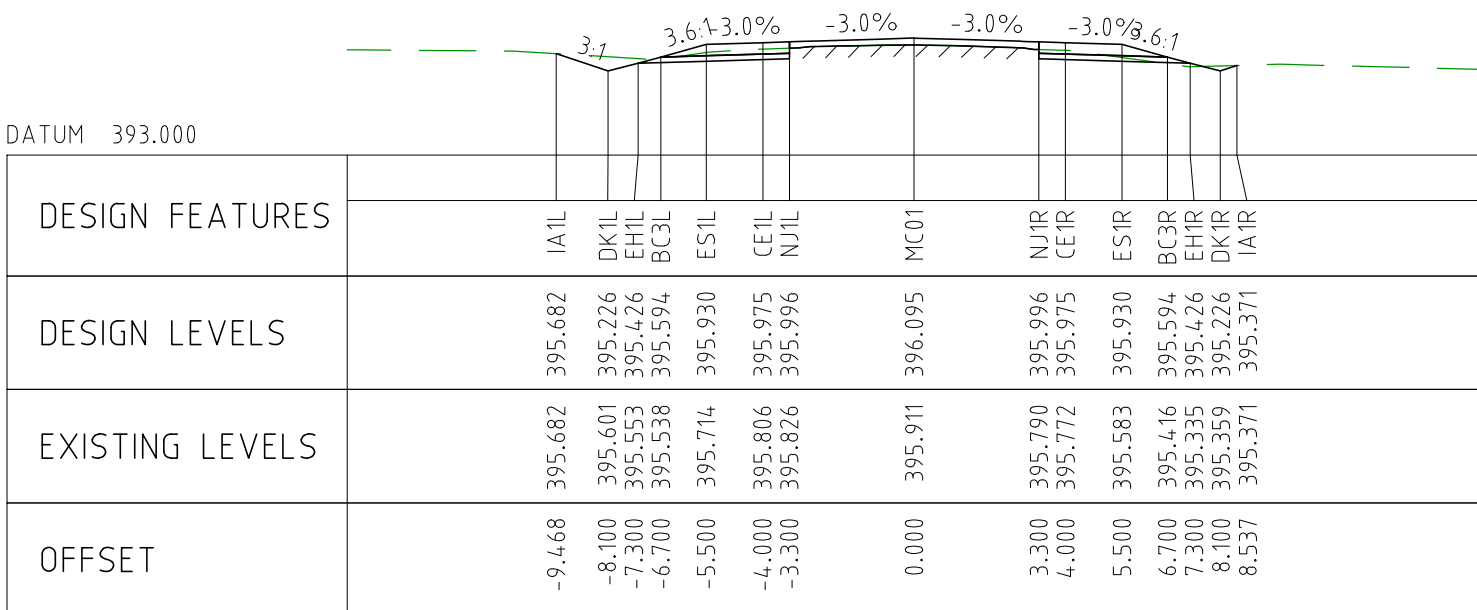
CHAINAGE 30200



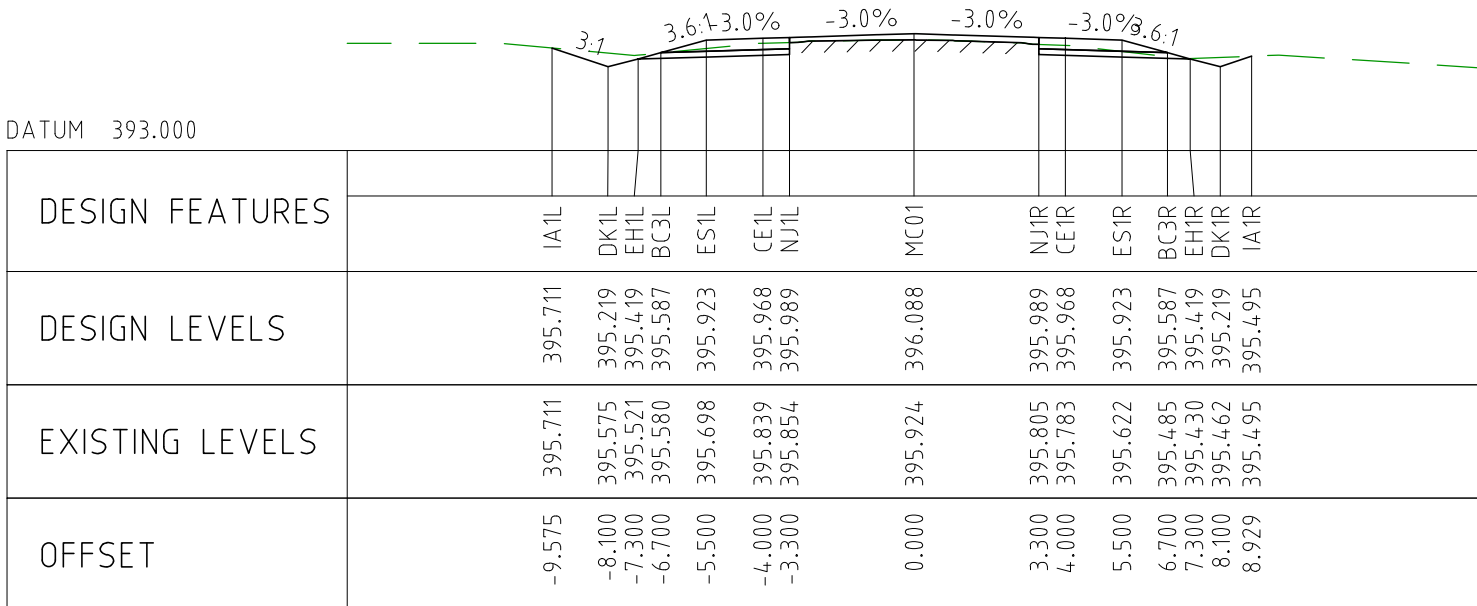
CHAINAGE 30150



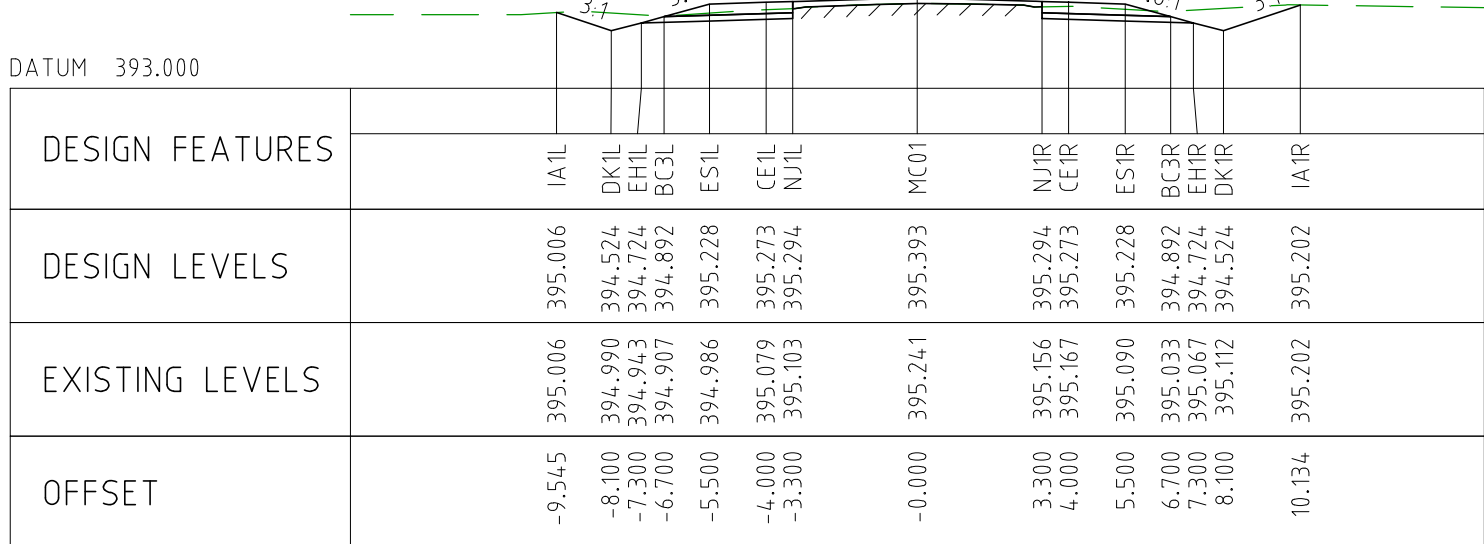
CHAINAGE 30100



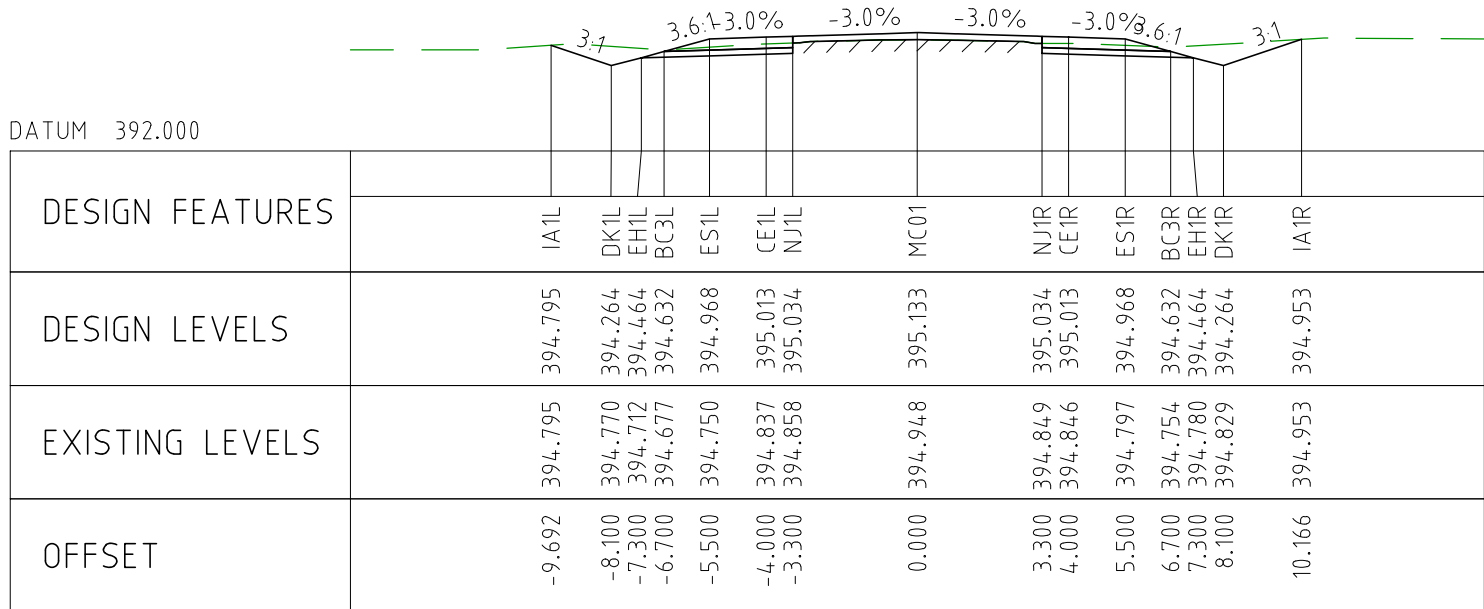
CHAINAGE 30050



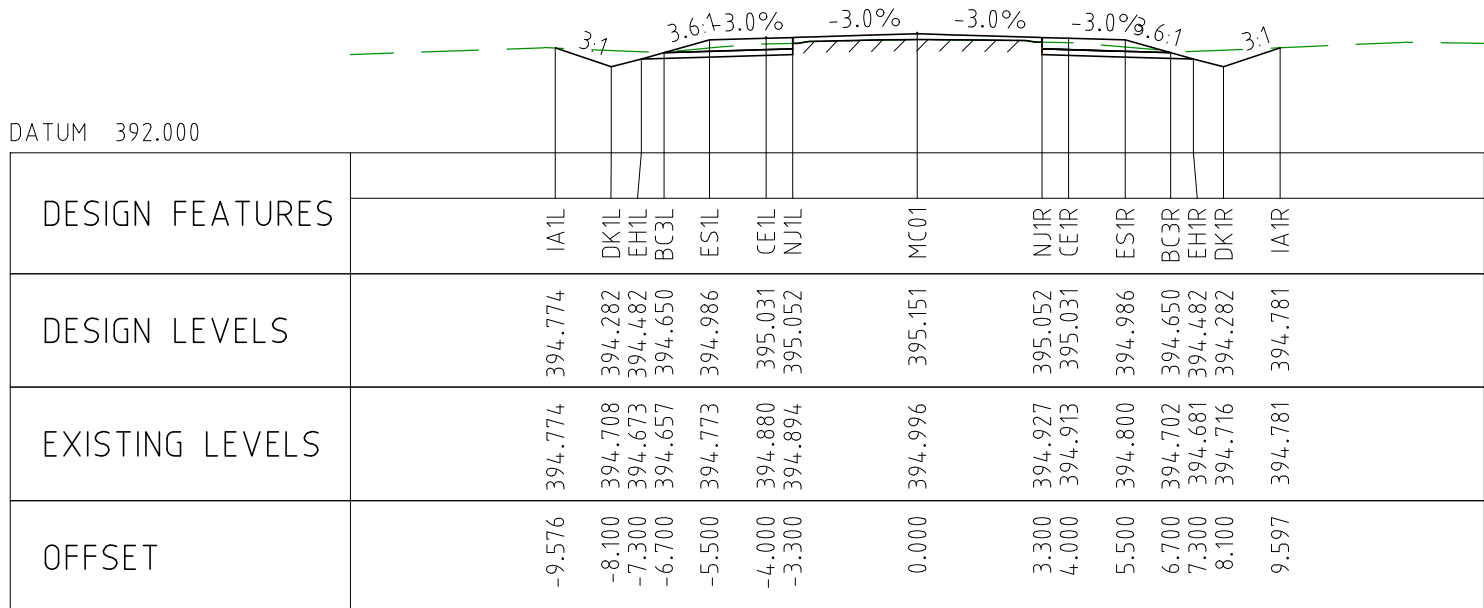
CHAINAGE 30000



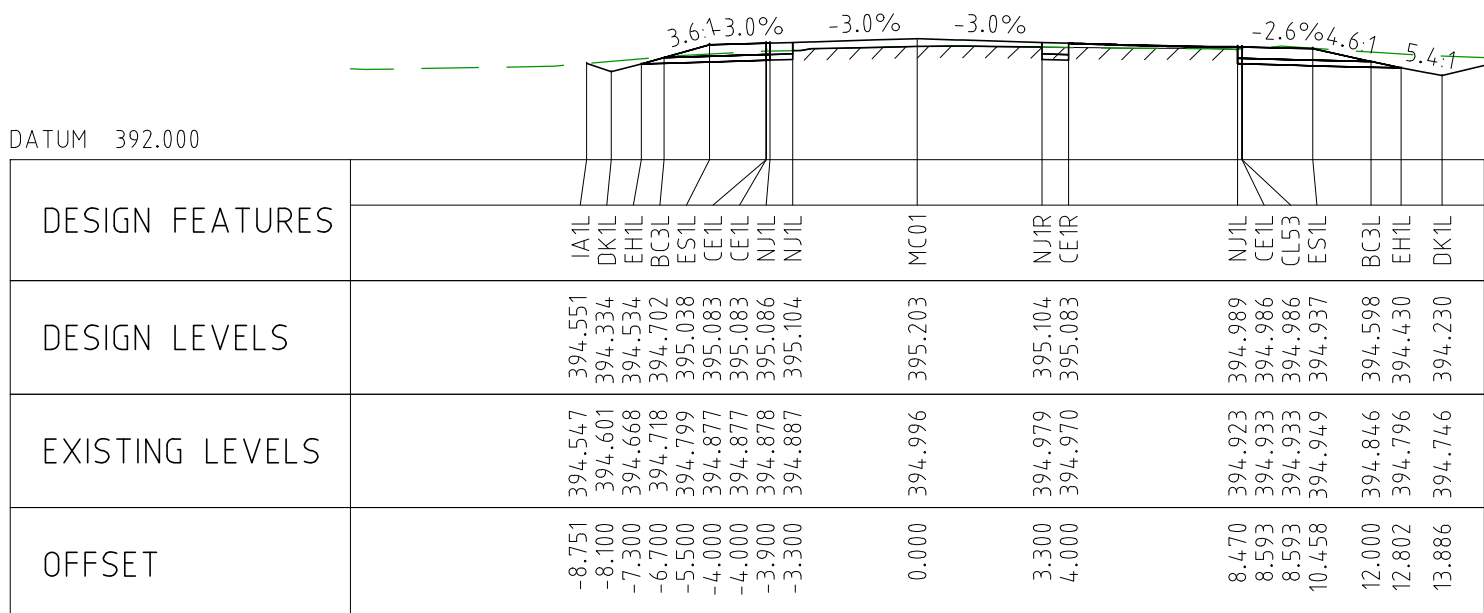
CHAINAGE 30450



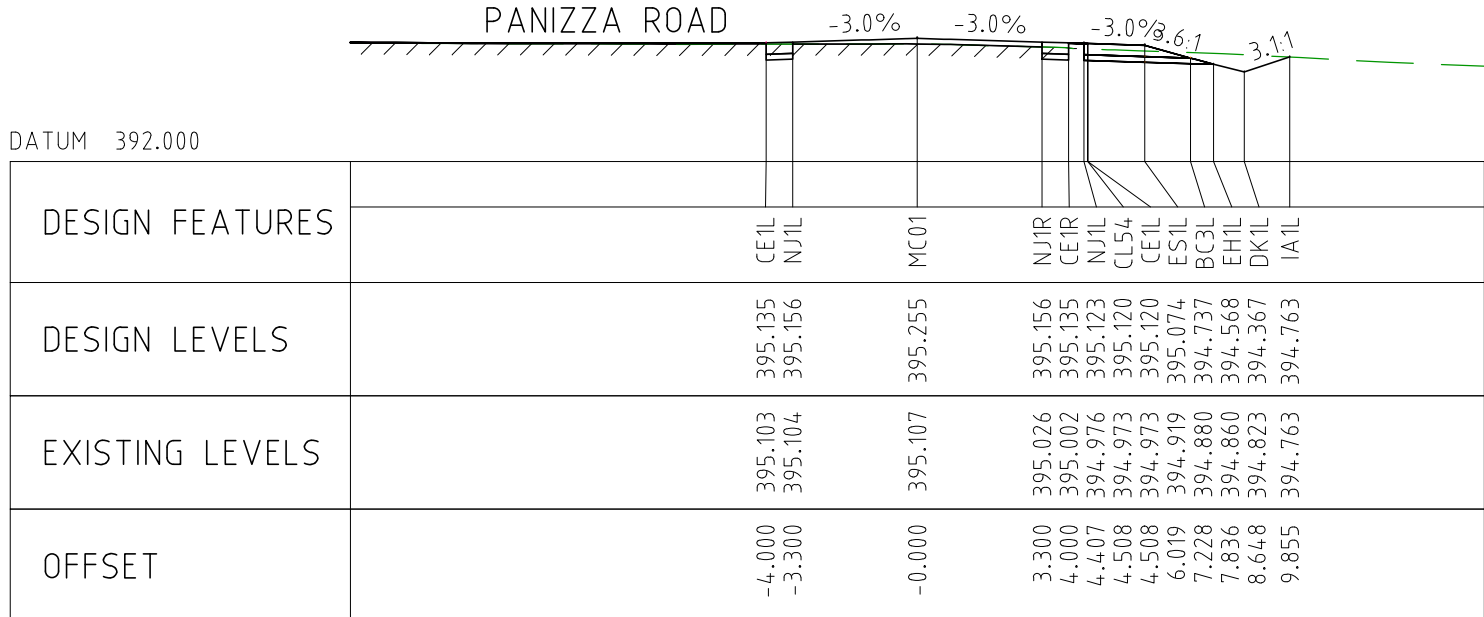
CHAINAGE 30400



CHAINAGE 30350




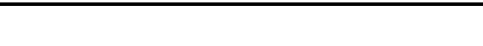

CHAINAGE 30300

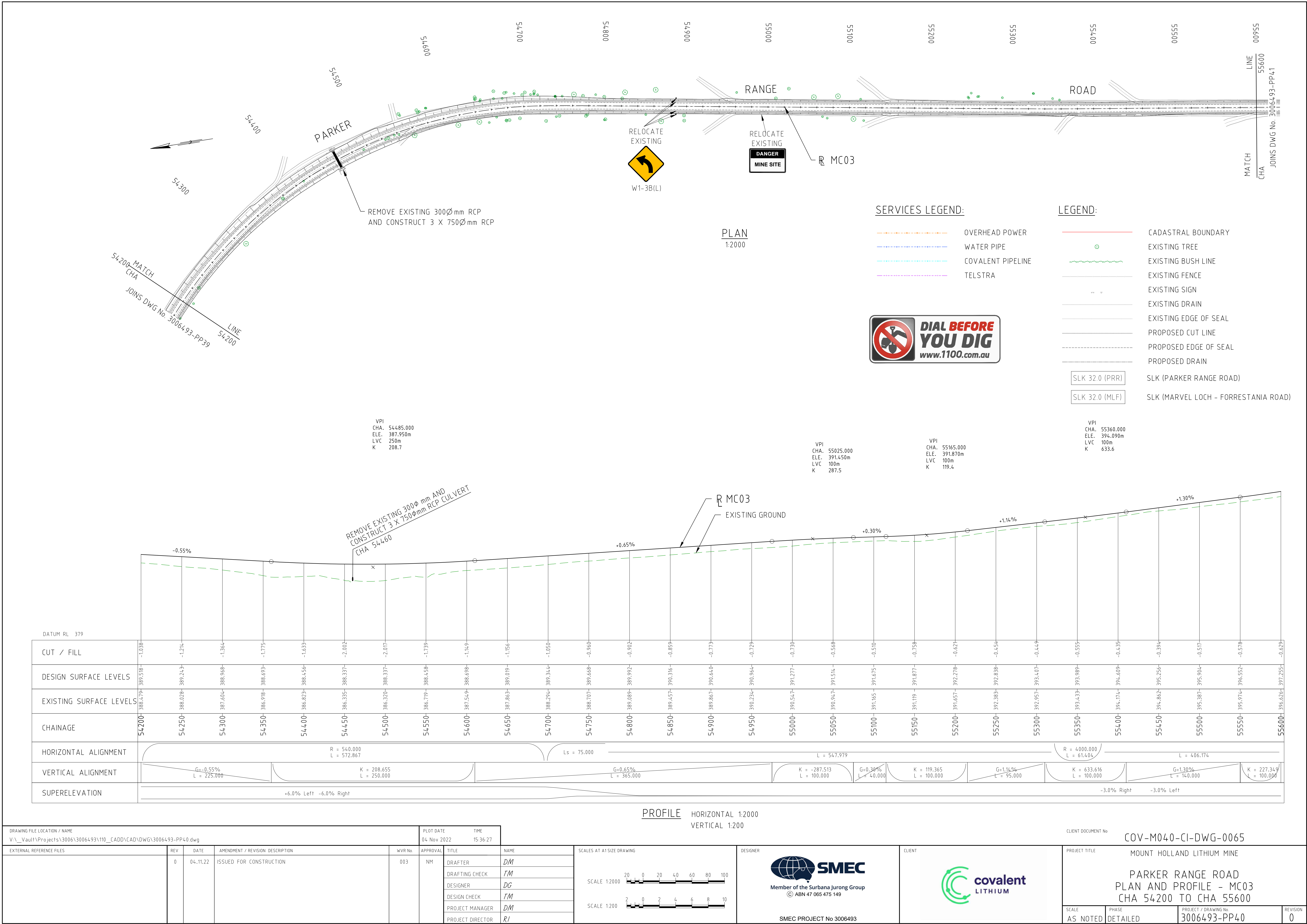


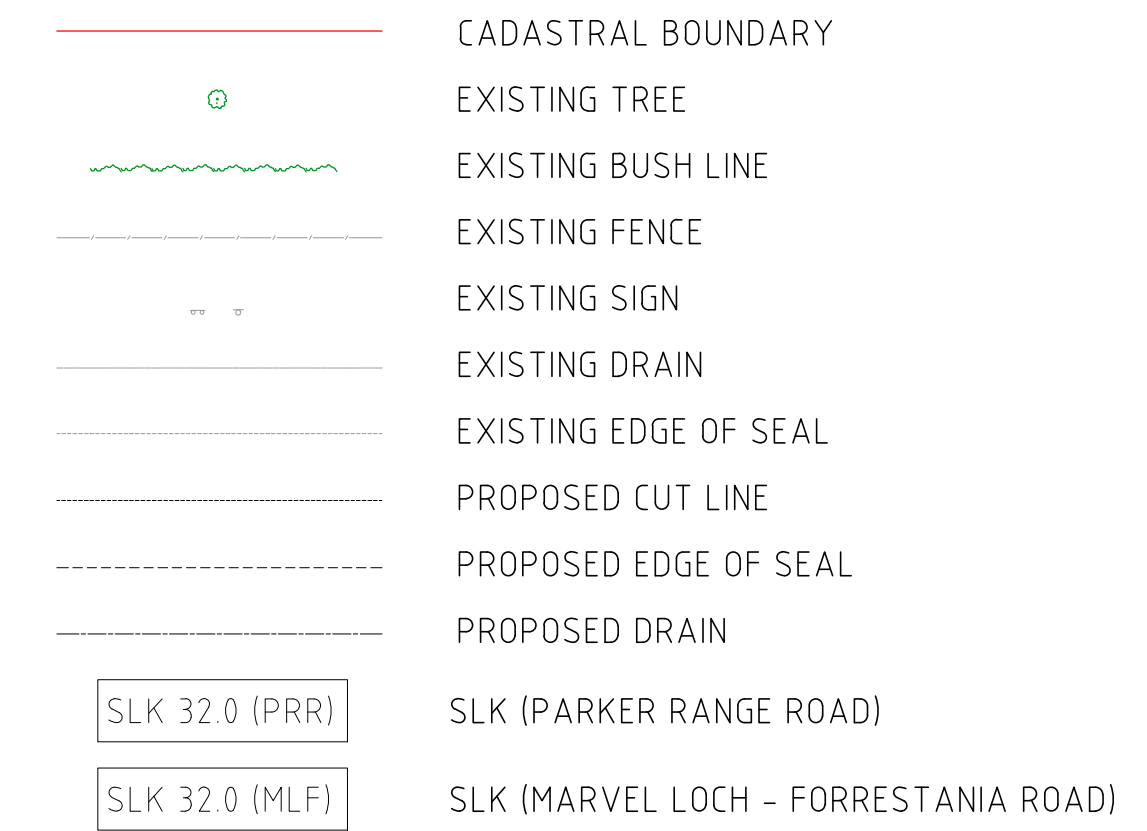
CHAINAGE 30250



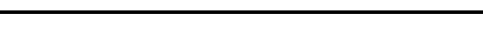

NOTES

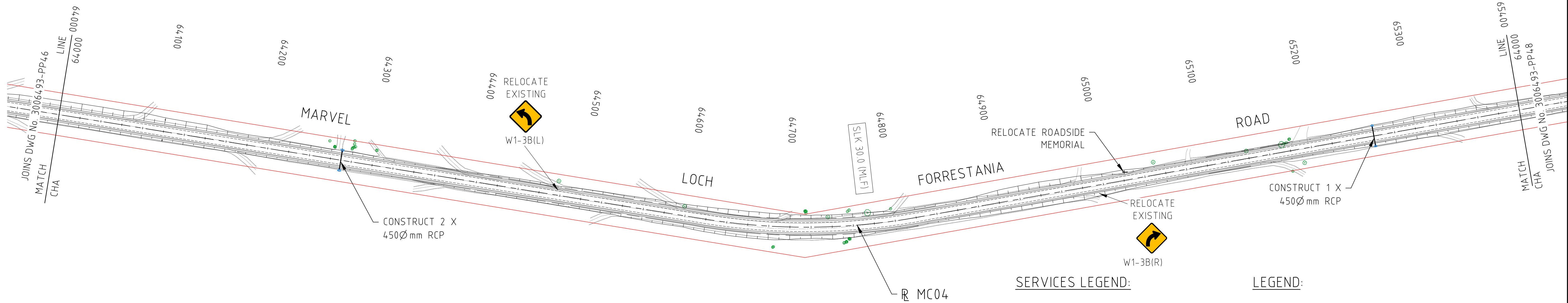
- FOR CROSS SECTION DISPLAY AND MODELING PURPOSES, THE CUT LINE HAS BEEN FIXED AT 2.8m FROM THE CENTRELINE.
FOR CONSTRUCTION, THE PAVEMENT CUT LINE SHOULD BE 100mm INSIDE THE EXISTING EDGE OF SEAL.

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS41.dwg					PLOT DATE 04 Nov 2022		TIME 12:30:28		CLIENT DOCUMENT No COV-M040-CI-DWG-0153									
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC01 SHEET 41 OF 41						
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW										
							DRAFTING CHECK	TM										
							DESIGNER	TM										
							DESIGN CHECK	TM										
								PROJECT MANAGER				DM	SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS41	REVISION 0
								PROJECT DIRECTOR				RI						





DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110__CADD\CAD\DWG\3006493-PP46.dwg					PLOT DATE 03 Nov 2022		TIME 14:30:19		VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0071	
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER JW DRAFTING CHECK TM DESIGNER DG DESIGN CHECK TM PROJECT MANAGER DM PROJECT DIRECTOR RI	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 62600 TO CHA 64000
		SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP46		REVISION 0				



PLAN
1:2000

SERVICES LEGEND:

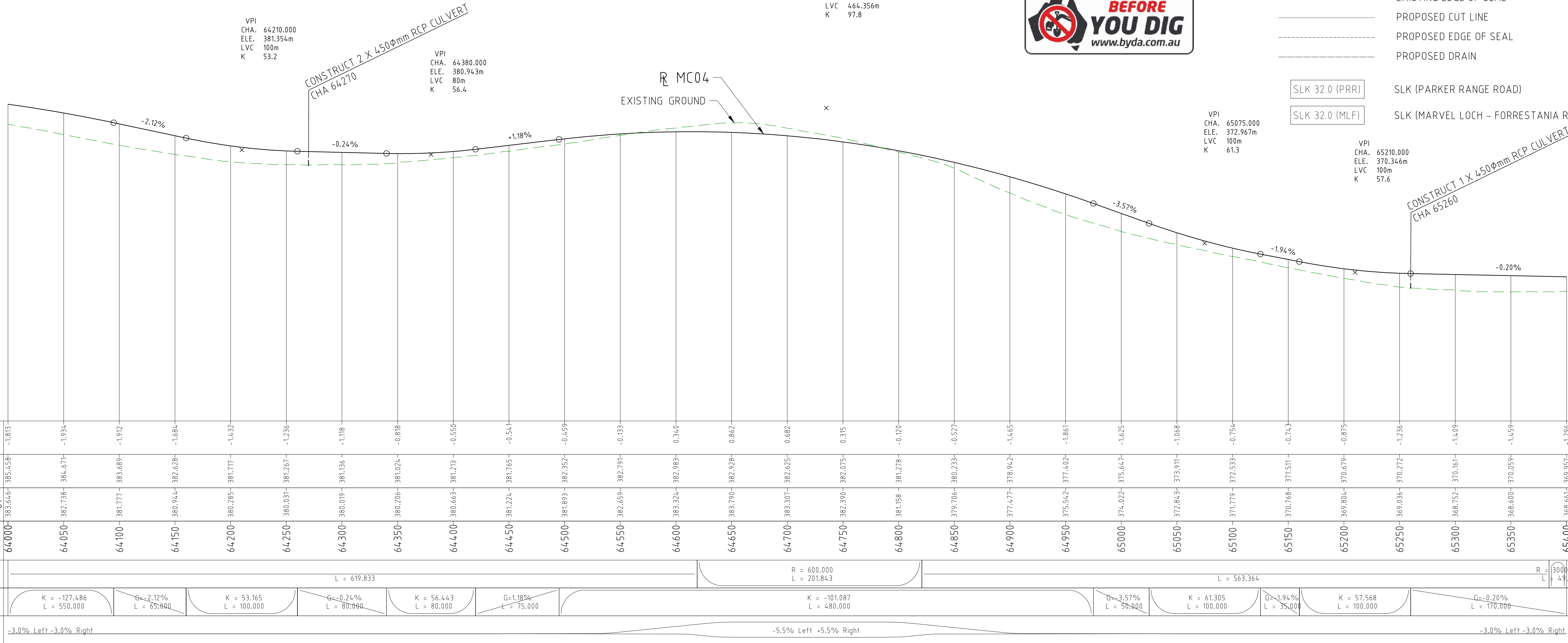
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN

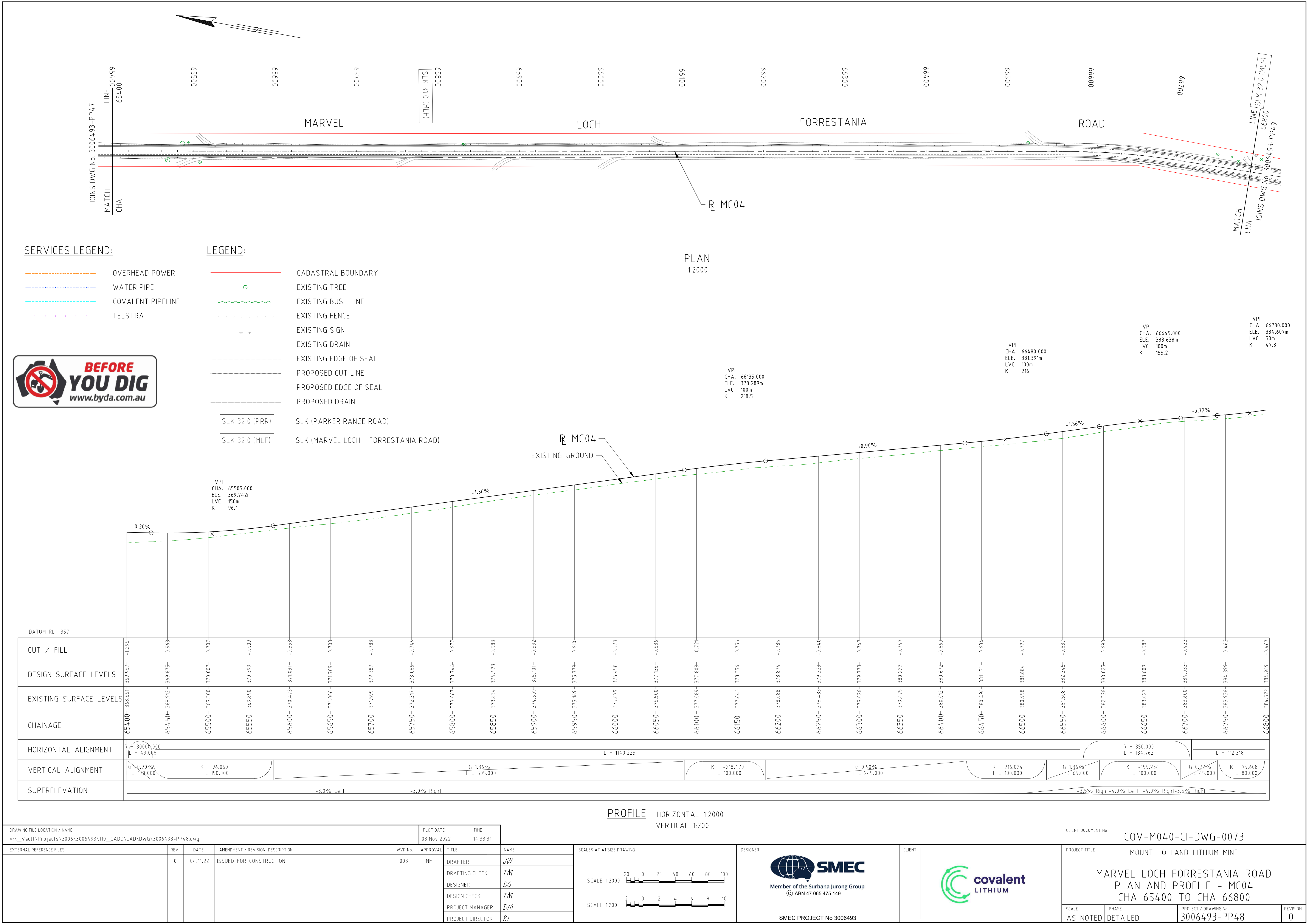
- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)

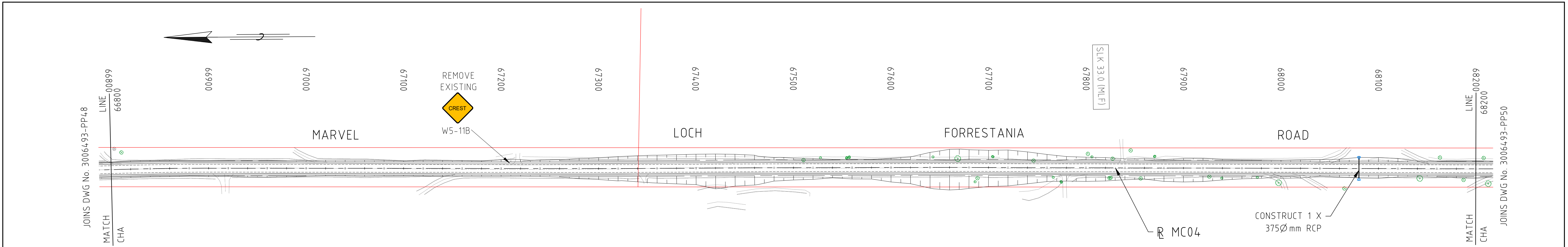


DATUM RL 357																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
--------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

PROFILE
HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP47.dwg							PLOT DATE 07 Nov 2022		TIME 13:00:40		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0072															
EXTERNAL REFERENCE FILES							REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL		TITLE		NAME		SCALES AT A1 SIZE DRAWING				DESIGNER		CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE			
							0	04.11.22	ISSUED FOR CONSTRUCTION			003	NM	DRAFTER	JW		<div><div>SCALE 1:2000</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>20020406080100</div></div><div><div>SCALE 1:200</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>20246810</div></div></div></div>				Member of the Surbana Jurong Group © ABN 47 065 475 149		<div><div></div><div>covalent</div><div>LITHIUM</div></div>		MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 64000 TO CHA 65400					
														DRAFTING CHECK	TM															
														DESIGNER	DG															
														DESIGN CHECK	TM															
														PROJECT MANAGER	DM															
													PROJECT DIRECTOR		RI		SMEC PROJECT No 3006493								SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP47	REVISION 0		





SERVICES LEGEND:

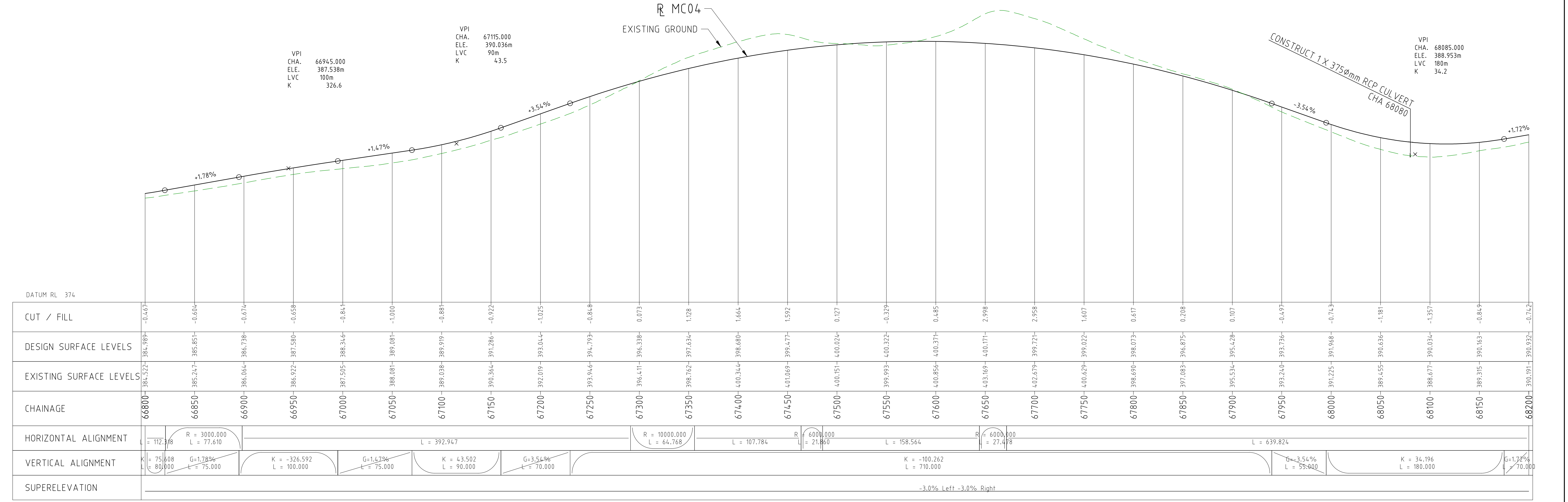
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
 - EXISTING TREE
 - EXISTING BUSH LINE
 - EXISTING FENCE
 - EXISTING SIGN
 - EXISTING DRAIN
 - EXISTING EDGE OF SEAL
 - PROPOSED CUT LINE
 - PROPOSED EDGE OF SEAL
 - PROPOSED DRAIN
- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)





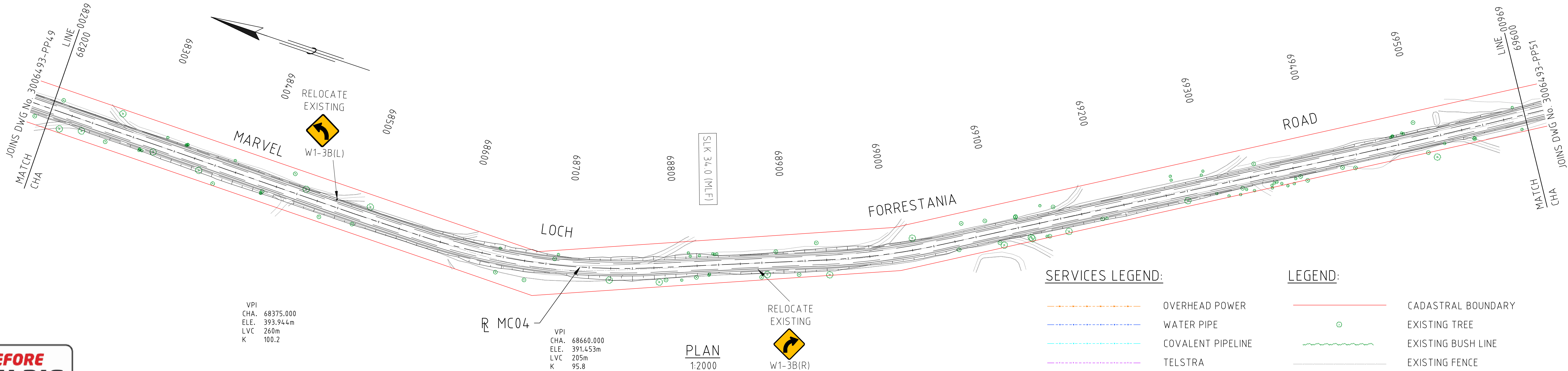
PLAN
1:2000



DATUM RL	374																																																										
CUT / FILL	-0.467	-0.604	-0.674	-0.658	-0.841	-1.000	-0.881	-0.972	-1.025	-0.848	0.073	1.128	1.664	1.592	0.127	-0.329	0.485	2.998	2.958	1.607	0.617	0.208	0.107	-0.497	-0.743	-1.181	-1.357	-0.849	-0.742																														
DESIGN SURFACE LEVELS	384.989	385.851	386.738	387.580	388.346	389.081	389.919	390.726	391.044	391.793	396.338	397.634	398.680	399.477	400.024	400.322	400.371	400.171	399.721	399.022	398.073	396.875	395.428	393.736	391.968	390.636	390.034	390.663	390.932																														
EXISTING SURFACE LEVELS	384.522	385.247	386.064	386.922	387.505	388.081	389.038	390.364	392.019	393.044	396.411	398.762	400.344	401.069	400.151	399.993	400.856	403.169	402.679	400.629	398.690	397.083	395.534	393.240	391.225	391.968	389.455	386.677	385.315	390.191																													
CHAINAGE	66800	66850	66900	66950	67000	67050	67100	67150	67200	67250	67300	67350	67400	67450	67500	67550	67600	67650	67700	67750	67800	67850	67900	67950	68000	68050	68100	68150	68200																														
HORIZONTAL ALIGNMENT	L = 112.768 R = 3000.000 L = 77.610																															L = 392.947										R = 10000.000 L = 64.768			L = 107.784			R = 6000.000 L = 21.860			L = 158.564			R = 6000.000 L = 27.478			L = 639.824		
VERTICAL ALIGNMENT	K = 75.608 L = 80.000 G = 1.78% L = 75.000																															K = -326.592 L = 100.000			G = 1.47% L = 75.000			K = 43.502 L = 90.000			G = 3.54% L = 70.000			K = -100.262 L = 710.000			G = -3.54% L = 35.400			G = 3.54% L = 35.400			K = 34.196 L = 180.000			G = 1.72% L = 70.000			
SUPERELEVATION	-3.0% Left -3.0% Right																																																										

PROFILE
HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP49.dwg							PLOT DATE 03 Nov 2022		TIME 14:35:16		VERTICAL 1200				CLIENT DOCUMENT No COV-M040-CI-DWG-0074						
EXTERNAL REFERENCE FILES			REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	NM	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div><div>SCALE 1:2000</div><div>SCALE 1:200</div></div>			<div>DESIGNER</div> <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> <div>SMC PROJECT No 3006493</div>		<div>CLIENT</div> <div> covalent LITHIUM</div>		<div>PROJECT TITLE</div> <div>MOUNT HOLLAND LITHIUM MINE</div> <div>MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 66800 TO CHA 68200</div> <div><div>SCALE AS NOTED</div><div>PHASE DETAILED</div><div>PROJECT / DRAWING No 3006493-PP49</div><div>REVISION 0</div></div>			
							DRAFTER		JW												
							DRAFTING CHECK		TM												
							DESIGNER		DG												
							DESIGN CHECK		TM												
							PROJECT MANAGER	DM													
							PROJECT DIRECTOR	RI													

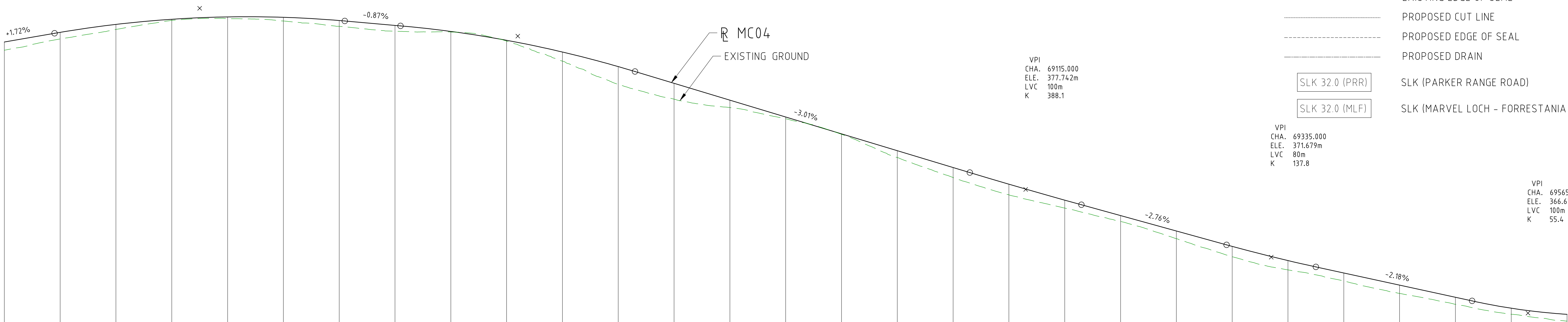


SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

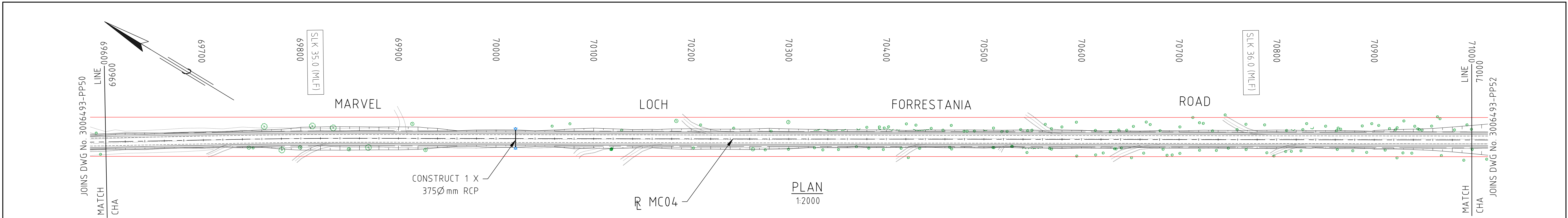


DATUM RL 355

CUT / FILL	-0.712	-0.591	-0.449	-0.104	-0.147	-0.331	-0.521	-0.517	-0.055	-0.084	-0.817	-1.594	-1.417	-0.662	-0.154	-0.045	-0.612	-0.897	-0.960	-0.709	-0.527	-0.686	-0.924	-0.834	-0.708	-0.738	-0.622	-0.541	-0.606																																									
DESIGN SURFACE LEVELS	390.932	391.792	392.502	392.964	393.175	393.138	392.850	392.415	391.874	391.081	390.032	388.729	387.234	385.727	384.221	382.714	381.207	379.700	378.209	376.780	375.399	374.021	372.644	371.375	370.265	369.177	368.090	367.113	365.567																																									
EXISTING SURFACE LEVELS	390.191	391.201	392.054	392.860	393.028	392.806	392.329	391.897	391.819	390.997	389.215	387.135	385.817	385.066	384.066	382.669	380.595	378.803	377.249	376.071	374.872	373.335	371.720	370.541	369.557	368.439	367.468	366.572	365.961																																									
CHAINAGE	68200	68250	68300	68350	68400	68450	68500	68550	68600	68650	68700	68750	68800	68850	68900	68950	69000	69050	69100	69150	69200	69250	69300	69350	69400	69450	69500	69550	69600																																									
HORIZONTAL ALIGNMENT	L = 639.824		R = 50000.000 L = 53.677		L = 111.487		R = 3000.000 L = 46.374		R = 600.000 L = 218.879		L = 157.518		R = 650.000 L = 109.675		L = 366.103		R = 6000.000 L = 149.755		L = 171.243																																																			
VERTICAL ALIGNMENT	G = 1.722% L = 70.000		K = -100.195 L = 260.000				G = -0.87% L = 50.000		K = -98.152 L = 210.000		G = -3.01% L = 300.000				K = 388.094 L = 100.000		G = -2.76% L = 130.000		K = 137.756 L = 80.000		G = -2.18% L = 140.000		K = 55.372 L = 100.000																																															
SUPERELEVATION	-3.0% Left -3.0% Right																														-5.5% Left +5.5% Right										-5.3% Left +5.3% Right										-5.0% Left +5.0% Right										-3.0% Left -3.0% Right									

PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP50.dwg				PLOT DATE 03 Nov 2022		TIME 14:37:17		PROJECT HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0075					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>		DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 68200 TO CHA 69600	
								DRAFTER JW									
								DRAFTING CHECK TM									
								DESIGNER DG									
								DESIGN CHECK TM									
								PROJECT MANAGER DM									
								PROJECT DIRECTOR RI									
SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP50		REVISION 0											



SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:

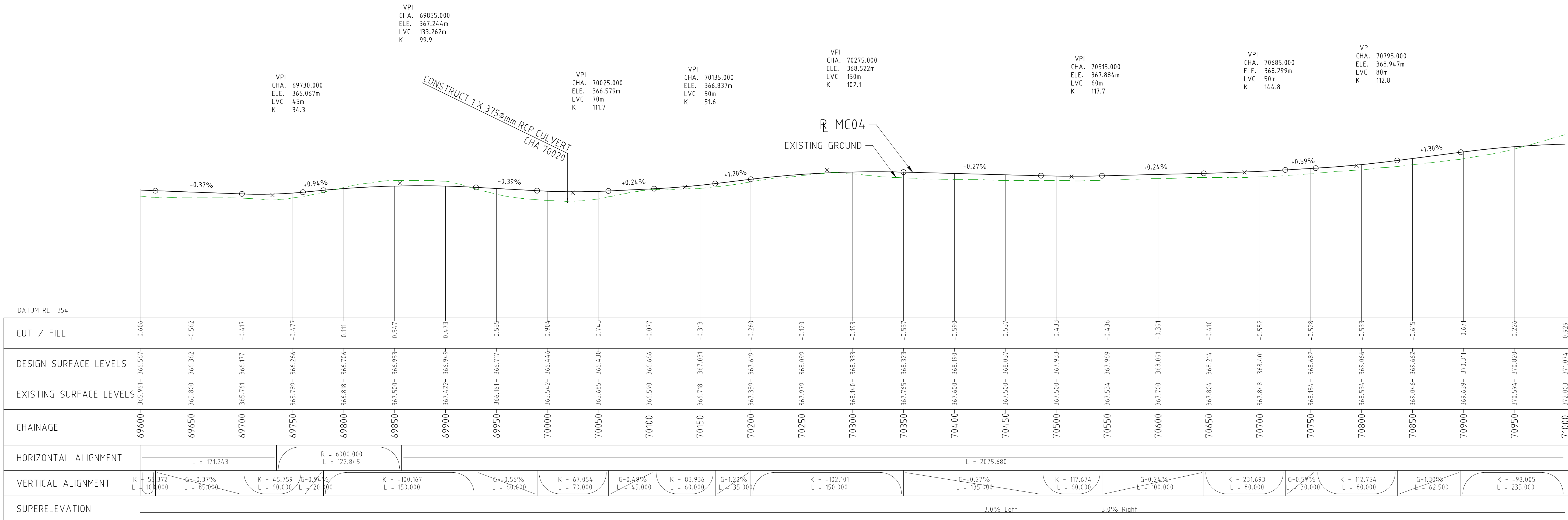
- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN

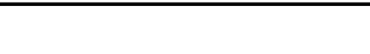
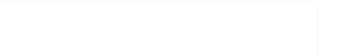
SLK 32.0 (PRR)

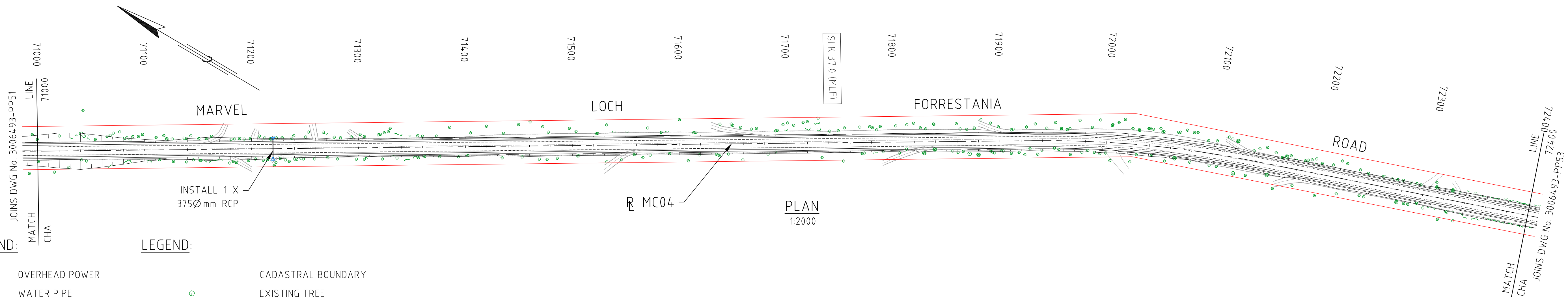
SLK (PARKER RANGE ROAD)

SLK 32.0 (MLF)

SLK (MARVEL LOCH - FORRESTANIA ROAD)



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP51.dwg					PLOT DATE 03 Nov 2022		TIME 14:39:34		CLIENT DOCUMENT No COV-M040-CI-DWG-0076										
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE	
					0	04.11.22	ISSUED FOR CONSTRUCTION		003	NM	DRAFTER	JW	<div>SCALE 1:2000</div> <div>SCALE 1:200</div>		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493		MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 69600 TO CHA 71000		
							DRAFTING CHECK	TM											
							DESIGNER	DG											
							DESIGN CHECK	TM											
							PROJECT MANAGER	DM											
							PROJECT DIRECTOR	RI											
SCALE		PHASE		PROJECT / DRAWING No		REVISION													
AS NOTED		DETAILED		3006493-PP51		0													

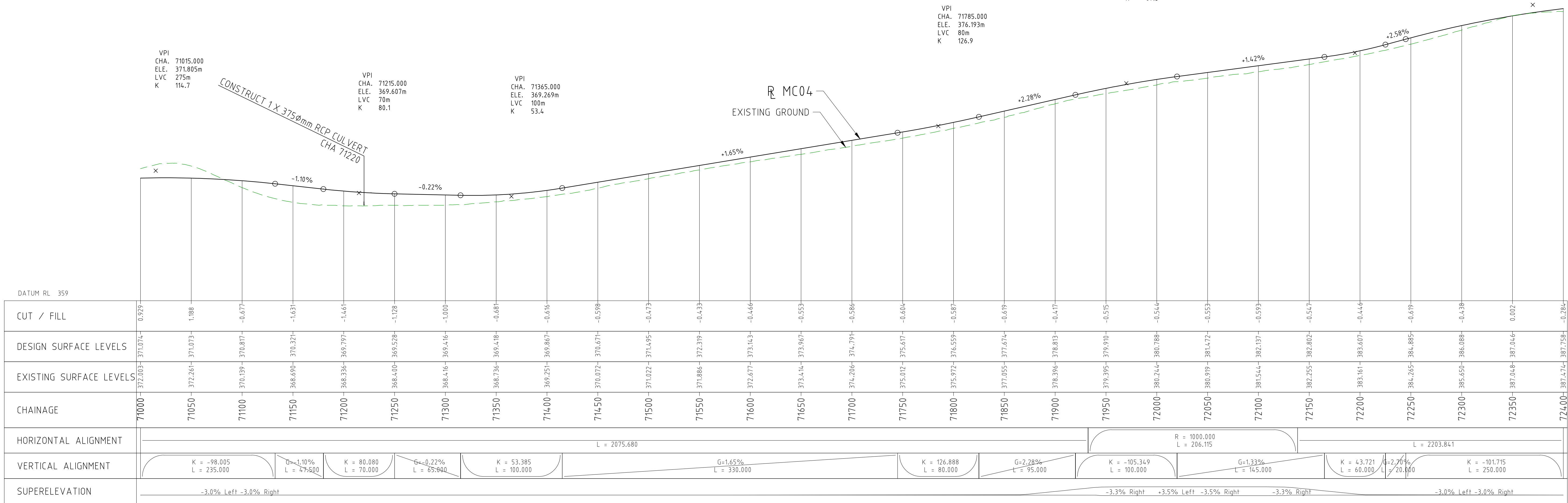


SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP52.dwg				PLOT DATE 03 Nov 2022		TIME 14:42:02		CLIENT DOCUMENT No COV-M040-CI-DWG-0077			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 71000 TO CHA 72400			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI	SCALE AS NOTED			
								PHASE DETAILED			
								PROJECT / DRAWING No 3006493-PP52			
								REVISION 0			

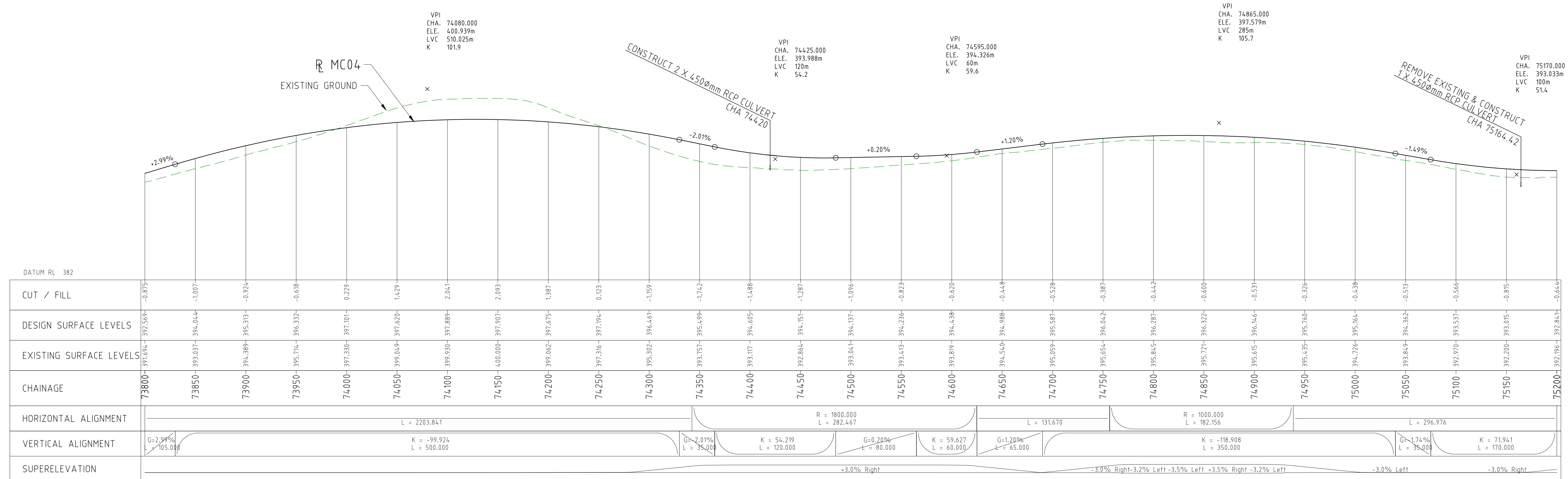
SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



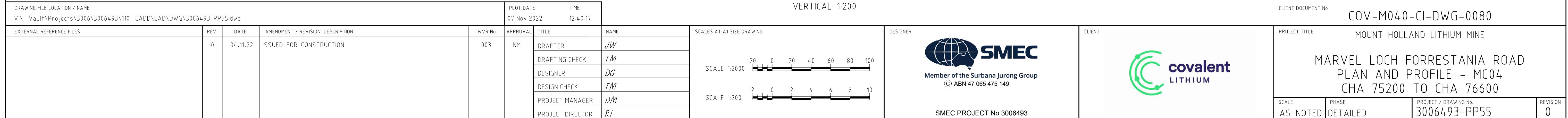
LEGEND:

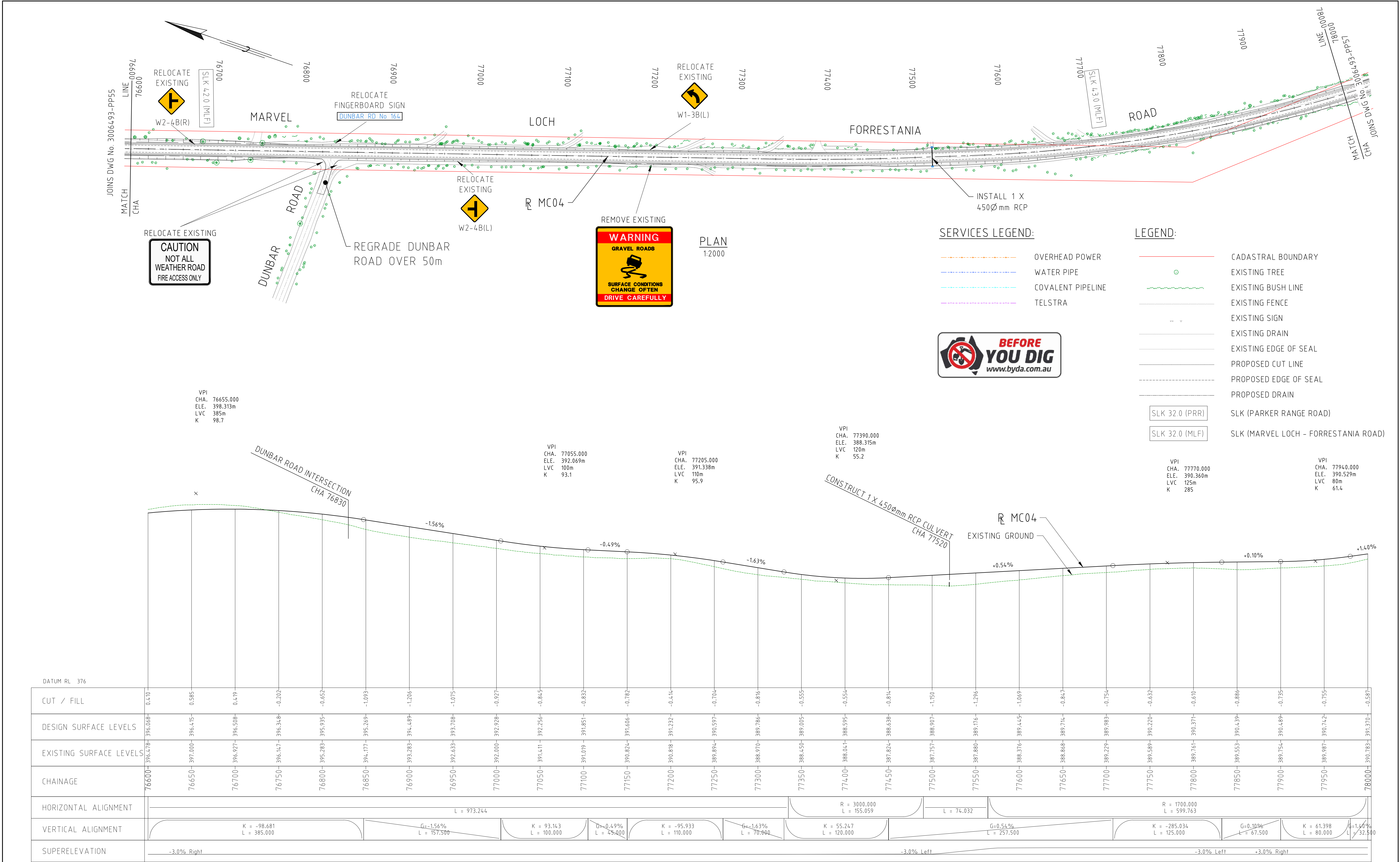
- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



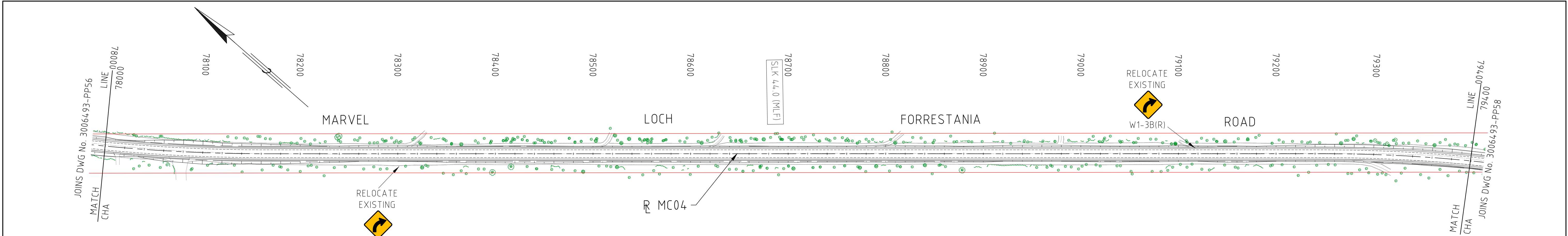
PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP54.dwg				PLOT DATE 07 Nov 2022		TIME 12:47:20		CLIENT DOCUMENT No COV-M040-CI-DWG-0079			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:2000 20 0 20 40 60 80 100</div> <div>SCALE 1:200 2 0 2 4 6 8 10</div>			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI	SMC PROJECT No 3006493			
DESIGNER SMC Member of the Surbana Jurong Group © ABN 47 065 475 149				CLIENT covalent LITHIUM				PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 73800 TO CHA 75200			
SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP54		REVISION 0					





DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP56.dwg				PLOT DATE 07 Nov 2022		TIME 12:38:19	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	DG
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RJ
SCALES AT A1 SIZE DRAWING				DESIGNER			
SCALE 1:2000				SMC			
SCALE 1:200				Member of the Surbana Jurong Group © ABN 47 065 475 149			
				SMC PROJECT No 3006493			
				CLIENT			
				PROJECT TITLE			
				MOUNT HOLLAND LITHIUM MINE			
				MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 76600 TO CHA 78000			
SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP56		REVISION 0	



PLAN
1:2000

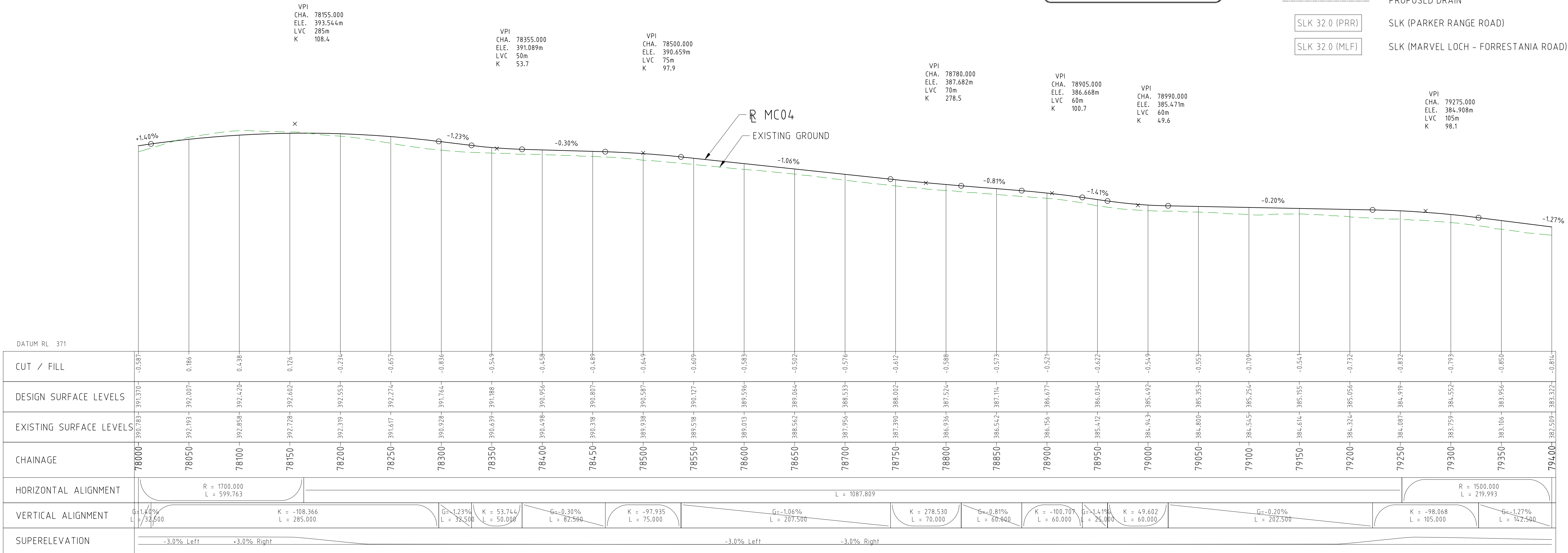
SERVICES LEGEND:



- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

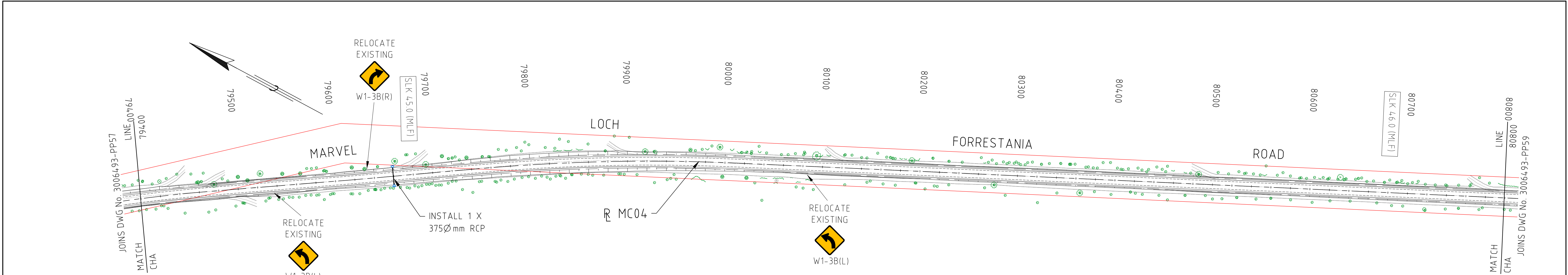


LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP57.dwg					PLOT DATE 07 Nov 2022		TIME 12:42:18		VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0082									
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER DRAFTING CHECK DESIGNER DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME JW TM DG TM DM RJ	SCALES AT A1 SIZE DRAWING SCALE 1:2000 SCALE 1:200		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 78000 TO CHA 79400		SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP57	REVISION 0



PLAN
1:2000

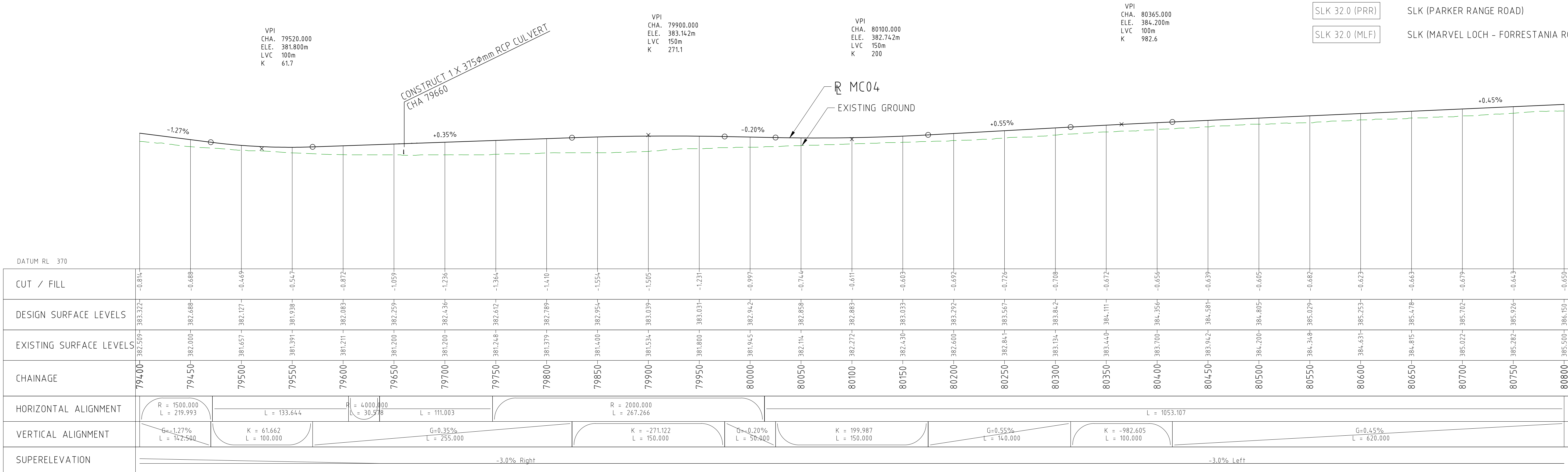
SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA







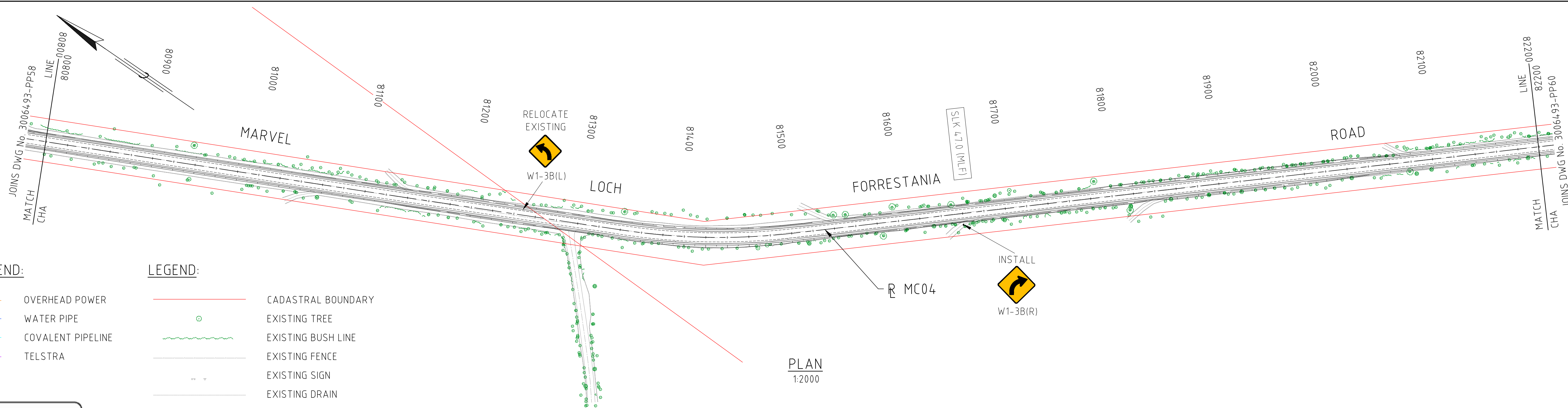
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTER ROAD)



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP58.dwg					PLOT DATE 07 Nov 2022		TIME 12:36:28		VERTICAL 1:200					CLIENT DOCUMENT No COV-M040-CI-DWG-0083						
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 			DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 79400 TO CHA 80800			
													SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP58		REVISION 0	

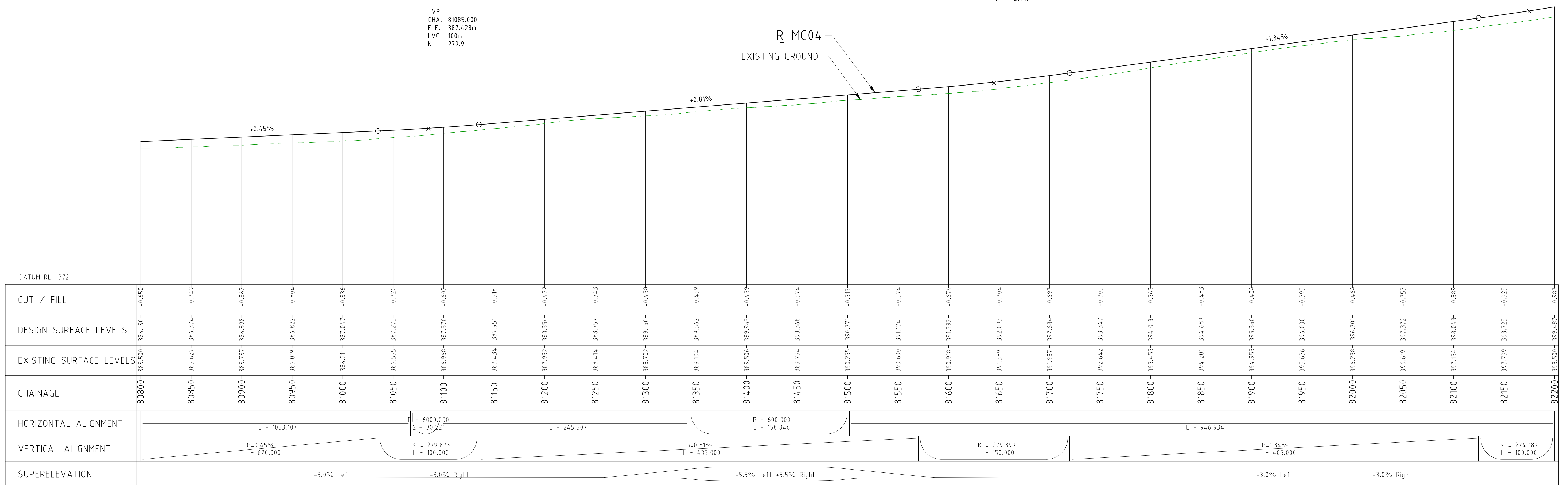


SERVICES LEGEND:




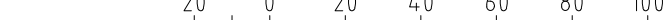
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA


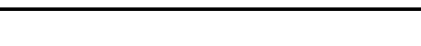

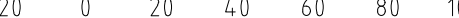
LEGEND:

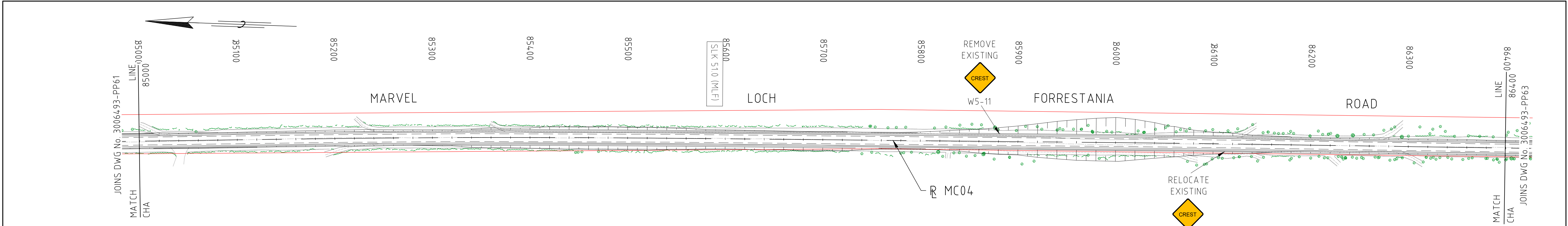
- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

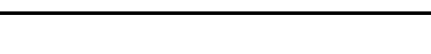





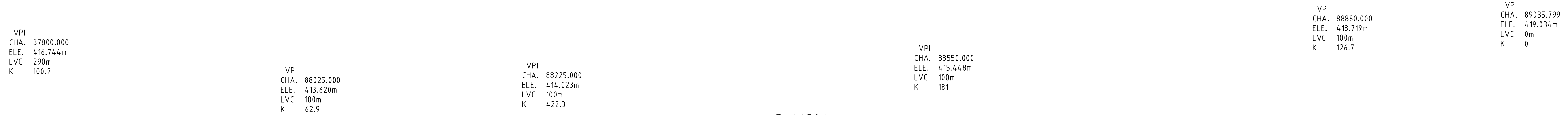
PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

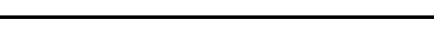

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP59.dwg				PLOT DATE 03 Nov 2022		TIME 15:02:04		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0084													
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE NAME		SCALES AT A1 SIZE DRAWING		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMEC PROJECT No 3006493		CLIENT <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 80800 TO CHA 82200		SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP59		REVISION 0	
								DRAFTER JW		<div></div> <div></div>															
								DRAFTING CHECK TM																	
								DESIGNER DG																	
								DESIGN CHECK TM																	
								PROJECT MANAGER DM																	
								PROJECT DIRECTOR RJ																	


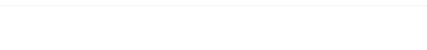
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP61.dwg					PLOT DATE 03 Nov 2022		TIME 15:08:20		VERTICAL 1:200			CLIENT DOCUMENT No			COV-M040-CI-DWG-0086					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No. 003	APPROVAL NM	TITLE NAME		SCALES AT A1 SIZE DRAWING			DESIGNER		CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE			
								DRAFTER JW		SCALE 1:2000 			 Member of the Surbana Jurong Group © ABN 47 065 475 149				MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 83600 TO CHA 85000			
				DRAFTING CHECK TM		SCALE 1:200 														
				DESIGNER DG																
				DESIGN CHECK TM																
				PROJECT MANAGER DM																
				PROJECT DIRECTOR RI					SMEC PROJECT No 3006493							REVISION				
												SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP61		0		

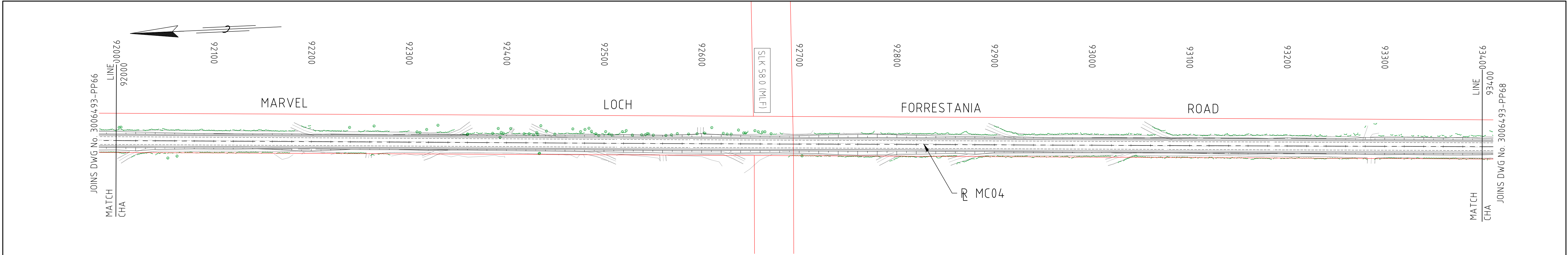


DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP63.dwg						PLOT DATE 03 Nov 2022		TIME 15:14:42		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0088										
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER	NAME JW	SCALES AT A1 SIZE DRAWING				DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div>		CLIENT <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 86400 TO CHA 87800							
							TITLE DRAFTING CHECK	NAME TM	SCALE 1:2000 <div></div>								SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP63		REVISION 0	
							TITLE DESIGNER	NAME DG	SCALE 1:200 <div></div>															
							TITLE DESIGN CHECK	NAME TM																
							TITLE PROJECT MANAGER	NAME DM																
							TITLE PROJECT DIRECTOR	NAME RI					SMEC PROJECT No 3006493											



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP64.dwg					PLOT DATE 03 Nov 2022		TIME 15:17:49		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT NO COV-M040-CI-DWG-0089					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW	<div>SCALE 1:2000</div> <div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div> <div>SCALE 1:200</div> <div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div>		<div><div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div><div>SMEC PROJECT No 3006493</div></div>		<div></div>		MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 87800 TO CHA 89200			
							PROJECT MANAGER	DM							SCALE	PHASE	PROJECT / DRAWING No	REVISION
							PROJECT DIRECTOR	RI							AS NOTED	DETAILED	3006493-PP64	0

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP66.dwg						PLOT DATE 03 Nov 2022		TIME 15:24:11		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0091					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION		003	NM	DRAFTER	JW	<div>SCALE 1:2000</div> <div><div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div></div> <div>SCALE 1:200</div> <div><div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div></div>		<div><div>SMEC</div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div>SMEC PROJECT No 3006493</div>		<div><div>covalent</div><div>LITHIUM</div></div>		MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 90600 TO CHA 92000			
								PROJECT MANAGER	DM							SCALE	PHASE	PROJECT / DRAWING No	REVISION
								PROJECT DIRECTOR	RI							AS NOTED	DETAILED	3006493-PP66	0



SERVICES LEGEND:

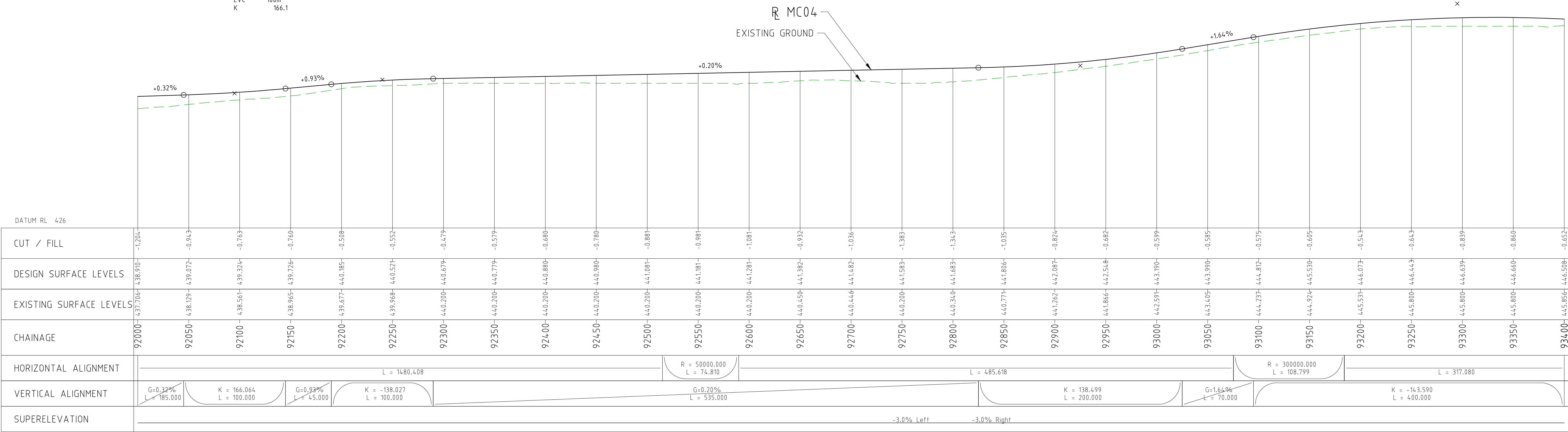
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



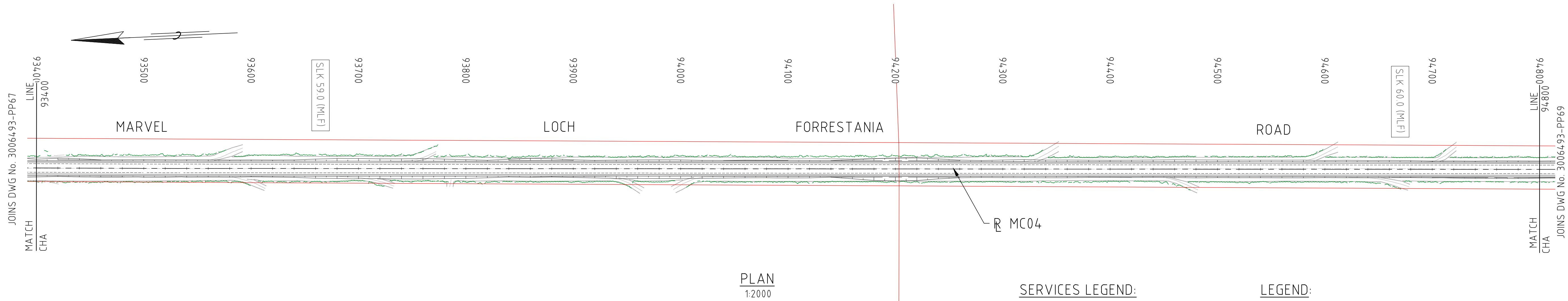
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)

VPI CHA. 92095.000 ELE. 439.217m LVC 100m K 166.1	VPI CHA. 92240.000 ELE. 440.558m LVC 100m K 138	VPI CHA. 92925.000 ELE. 441.934m LVC 200m K 138.5	VPI CHA. 93295.000 ELE. 448.020m LVC 400m K 143.6
---	---	---	---



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP67.dwg				PLOT DATE 03 Nov 2022		TIME 15:27:25		CLIENT DOCUMENT No COV-M040-CI-DWG-0092			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000 SCALE 1:200	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 92000 TO CHA 93400
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI				
SCALE		PHASE		PROJECT / DRAWING No		REVISION					
AS NOTED		DETAILED		3006493-PP67		0					



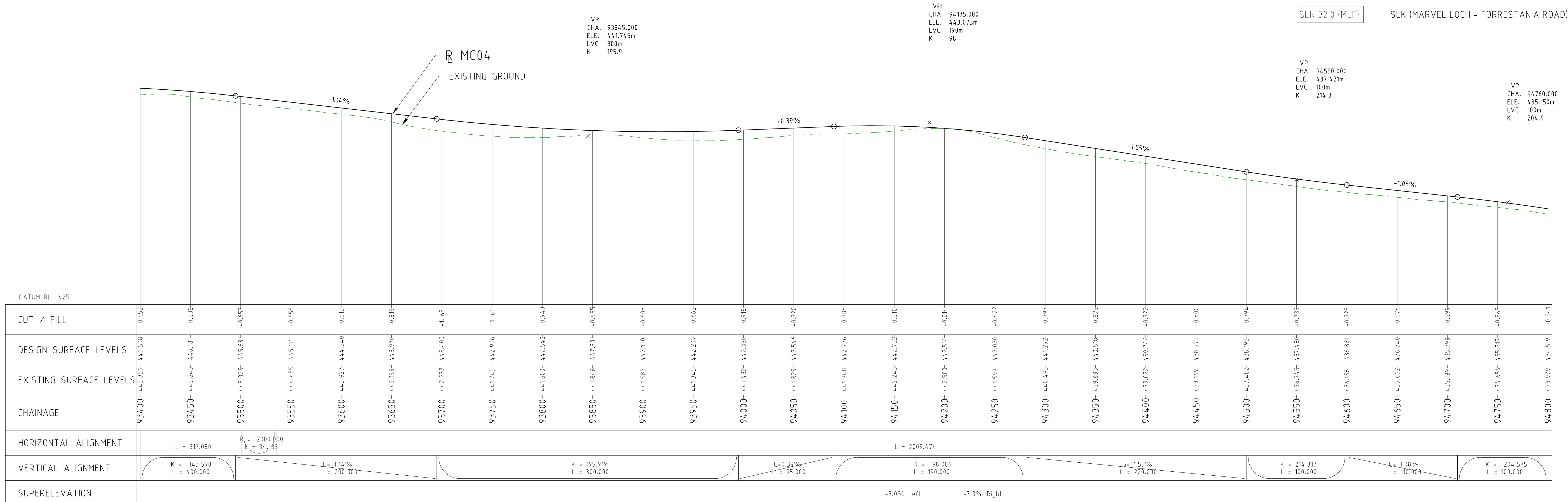
SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



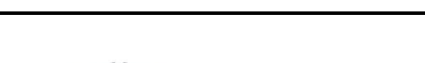



LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



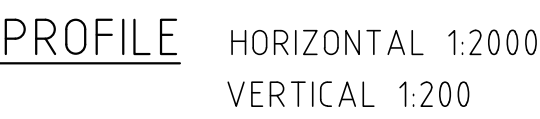
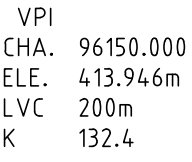
PROFILE HORIZONTAL 1:2000
VERTICAL 1:200





DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP68.dwg				PLOT DATE 03 Nov 2022		TIME 15:30:36		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0093									
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE DRAFTER DRAFTING CHECK DESIGNER DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME JW TM DG TM DM RI	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 93400 TO CHA 94800		SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP68	REVISION 0

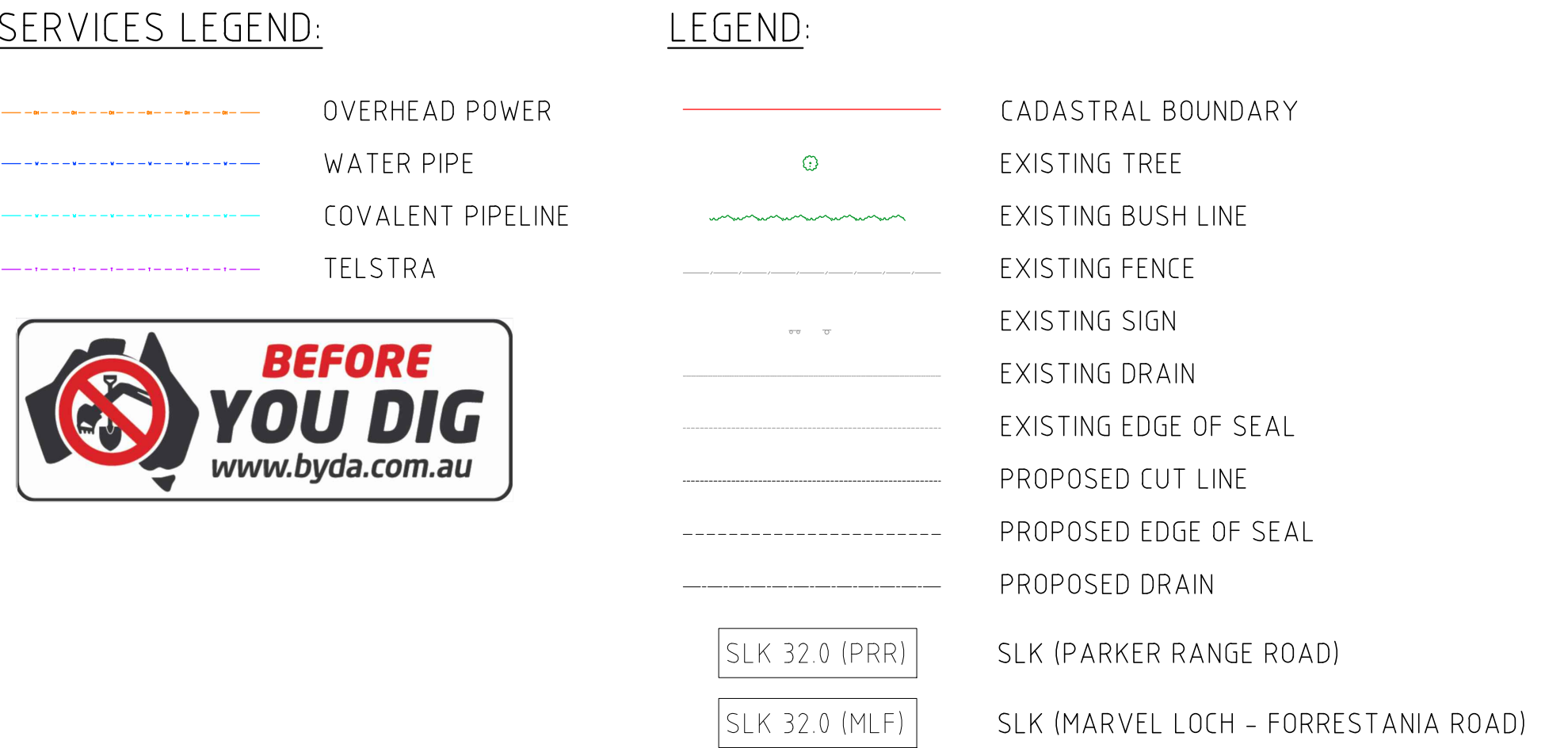


LEGEND:

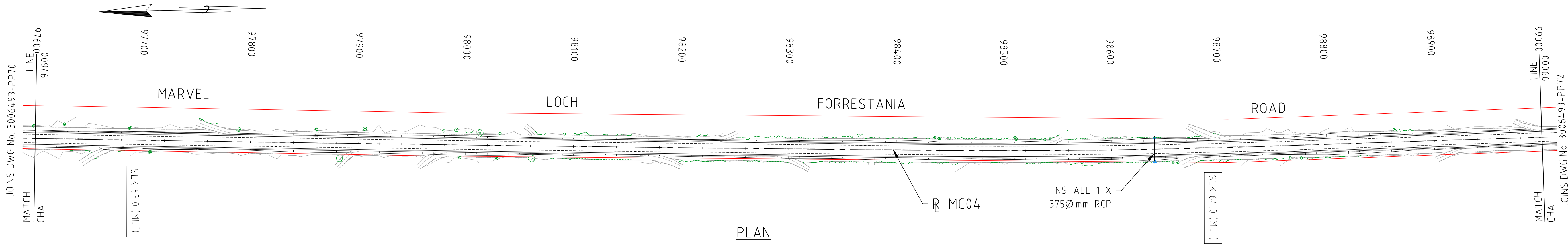
- BEFORE
YOU DIG**
www.byda.com.au



DRAWING FILE LOCATION / NAME V:_Vault\Projects\300643006493\110_CADD\CAD\DWG\3006493-PP69.dwg					PLOT DATE 03 Nov 2022		TIME 15:33:52		VERTICAL 1:200		CLIENT DOCUMENT NO COV-M040-CI-DWG-0094	
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 94800 TO CHA 96200
							DRAFTER JW		SCALE 1:2000 			
							DRAFTING CHECK TM		SCALE 1:200 			
							DESIGNER DG					
							DESIGN CHECK TM					
							PROJECT MANAGER DM					
							PROJECT DIRECTOR RI					
										SMC PROJECT No 3006493		
											SCALE AS NOTED	PHASE DETAILED
											PROJECT / DRAWING No 3006493-PP69	REVISION 0



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP70.dwg					PLOT DATE 07 Nov 2022		TIME 12:34:38		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200		CLIENT DOCUMENT NO COV-M040-CI-DWG-0095										
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMEC PROJECT No 3006493		CLIENT <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 96200 TO CHA 97600					
							DRAFTER JW							SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP70		REVISION 0	
							DRAFTING CHECK TM														
							DESIGNER DG														
							DESIGN CHECK TM														
							PROJECT MANAGER DM														
							PROJECT DIRECTOR RI														



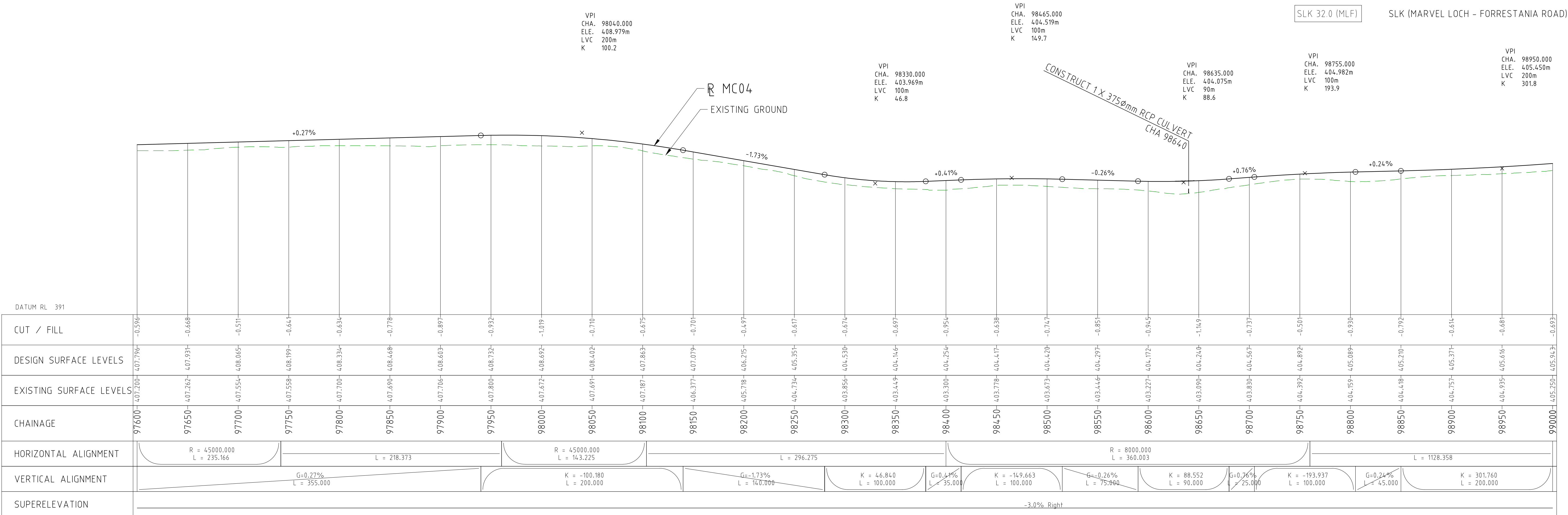
SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

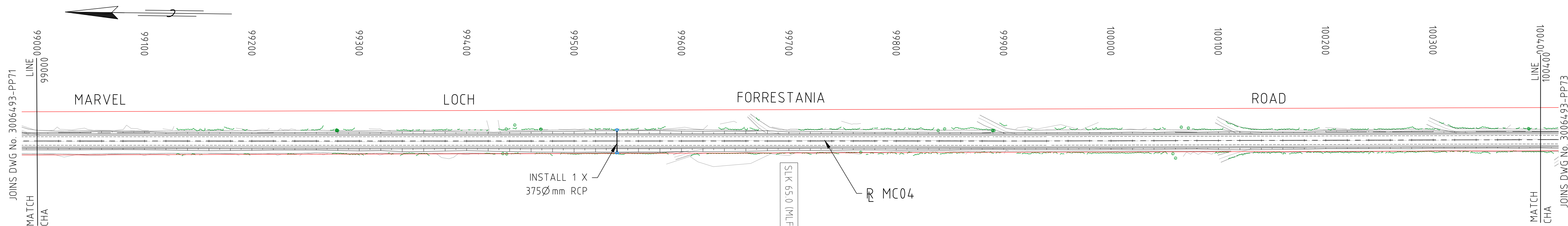


LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP71.dwg				PLOT DATE 03 Nov 2022		TIME 15:40:29		CLIENT DOCUMENT No COV-M040-CI-DWG-0096			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	Scales at A1 size drawing SCALE 1:2000 SCALE 1:200			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI	DESIGNER SMC Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493			
								CLIENT covalent LITHIUM			
								PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 97600 TO CHA 99000			
SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP71				REVISION 0			



SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

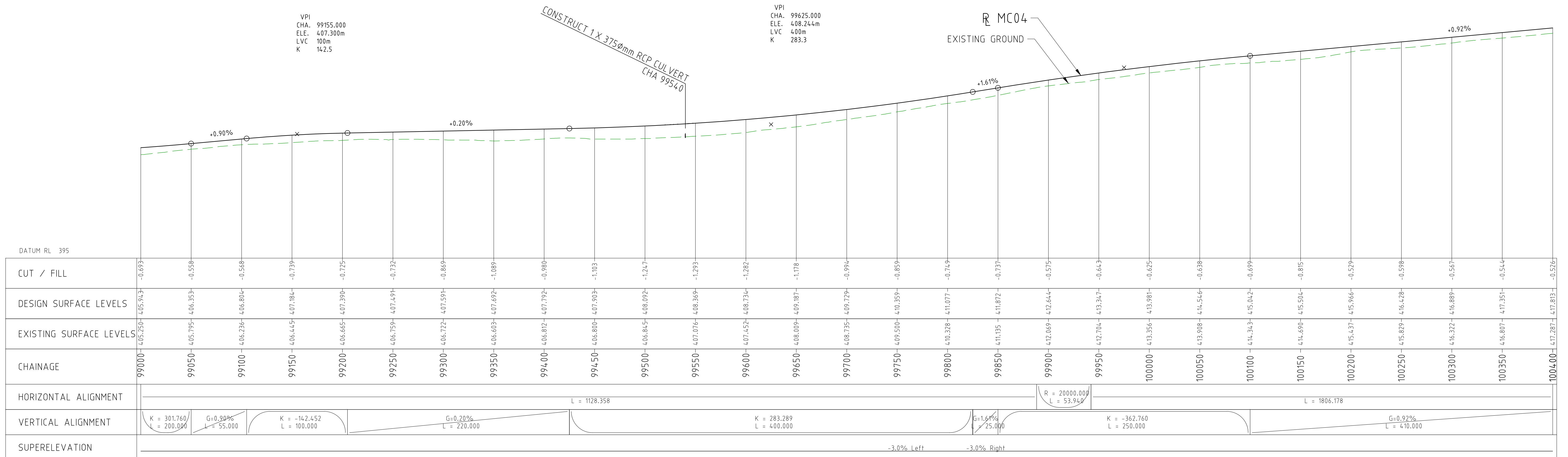
VPI
CHA. 99975.000
ELE. 413.888m
LVC 250m
K 362.8

VPI
CHA. 99155.000
ELE. 407.300m
LVC 100m
K 142.5

VPI
CHA. 99625.000
ELE. 408.244m
LVC 400m
K 283.3

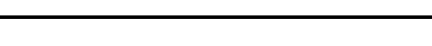

CONSTRUCT 1 X 375Ømm RCP CULVERT
CHA 99540

R MC04
EXISTING GROUND



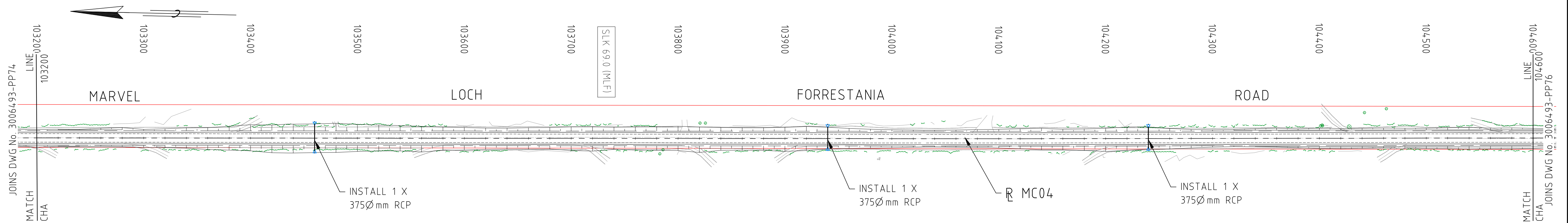
PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-PP72.dwg				PLOT DATE 03 Nov 2022		TIME 15:43:48																						CLIENT DOCUMENT No COV-M040-CI-DWG-0097			
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING				DESIGNER				CLIENT				PROJECT TITLE MOUNT HOLLAND LITHIUM MINE				MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 99000 TO CHA 100400			
				0	04.11.22	ISSUED FOR CONSTRUCTION		003	NM	DRAFTER	JW	SCALE 1:2000				Member of the Surbana Jurong Group © ABN 47 065 475 149				covalent LITHIUM											
										DRAFTING CHECK	TM	SCALE 1:200				SMC PROJECT No 3006493								PROJECT / DRAWING No 3006493-PP72				REVISION 0			
										DESIGNER	DG													SCALE AS NOTED				PHASE DETAILED			
										DESIGN CHECK	TM																				
										PROJECT MANAGER	DM																				
										PROJECT DIRECTOR	RI																				

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP73.dwg					PLOT DATE 03 Nov 2022		TIME 15:47:07		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200			CLIENT DOCUMENT No		COV-M040-CI-DWG-0098		
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM			<div>SCALE 1:2000</div> <div><div></div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div>		<div><div>SMEC</div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>		<div></div>		MOUNT HOLLAND LITHIUM MINE	
							DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div>				MARVEL LOCH FORRESTANIA ROAD			
							DESIGNER	DG					PLAN AND PROFILE - MC04			
							DESIGN CHECK	TM					CHA 100400 TO CHA 101800			
							PROJECT MANAGER	DM								
					PROJECT DIRECTOR	RI							PROJECT / DRAWING No			
									SMEC PROJECT No 3006493				3006493-PP73		REVISION	
											AS NOTED		DETAILED		0	



PROJECT TITLE		MOUNT HOLLAND LITHIUM MINE	
MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 101800 TO CHA 103200			
SCALE	PHASE	PROJECT / DRAWING No	REVISION
AS NOTED	DETAILED	3006493-PP74	0



SERVICES LEGEND:

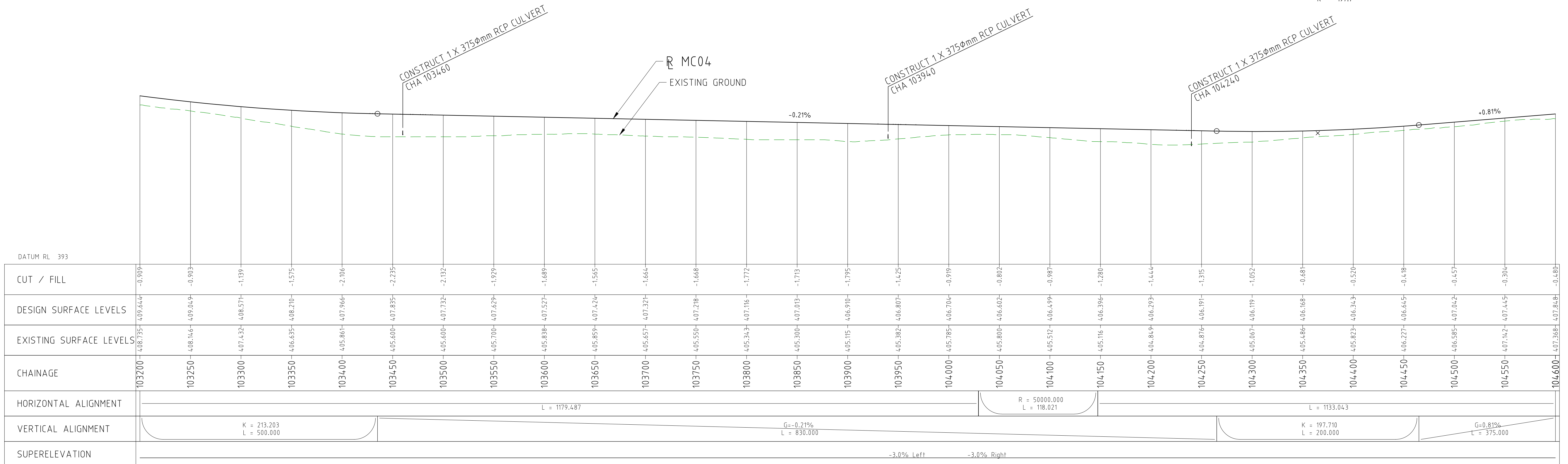
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



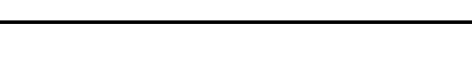

LEGEND:

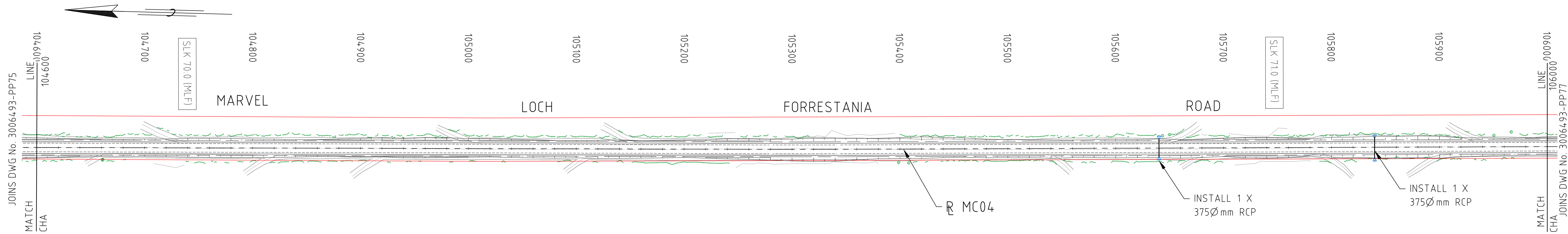
- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

VPI
CHA. 104365.000
ELE. 405.954m
LVC 200m
K 197.7



PROFILE
HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP75.dwg				PLOT DATE 03 Nov 2022		TIME 15:54:13		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0100				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	<div>SCALES AT A1 SIZE DRAWING</div> <div><div>SCALE 1:2000</div><div>SCALE 1:200</div></div>		<div>DESIGNER</div> <div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div>SMEC PROJECT No 3006493</div>		<div>CLIENT</div> <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 103200 TO CHA 104600	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW								
		DRAFTING CHECK		TM												
		DESIGNER		DG												
		DESIGN CHECK		TM												
		PROJECT MANAGER		DM												
		PROJECT DIRECTOR		RJ												
SCALE		PHASE		PROJECT / DRAWING No		REVISION										
AS NOTED		DETAILED		3006493-PP75		0										

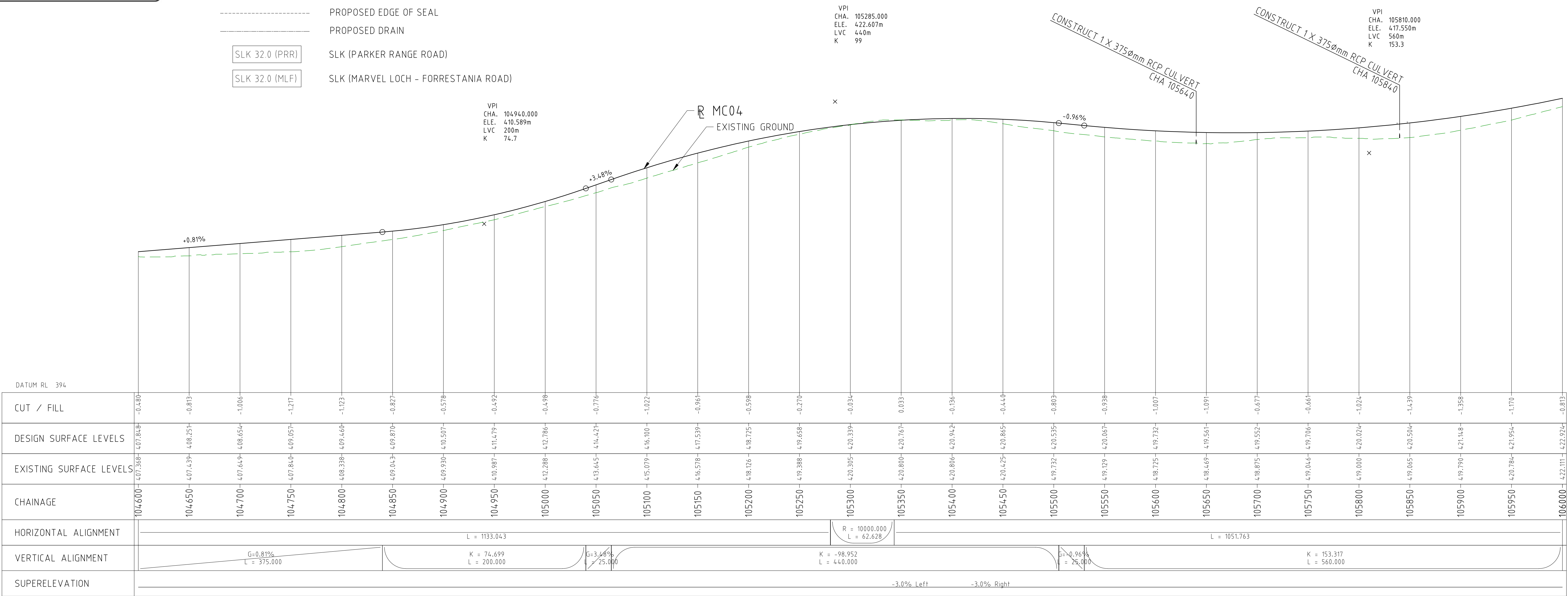






SERVICES LEGEND:

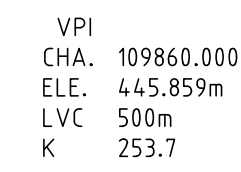
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:




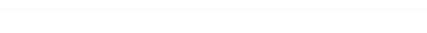
- CADAstral BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)

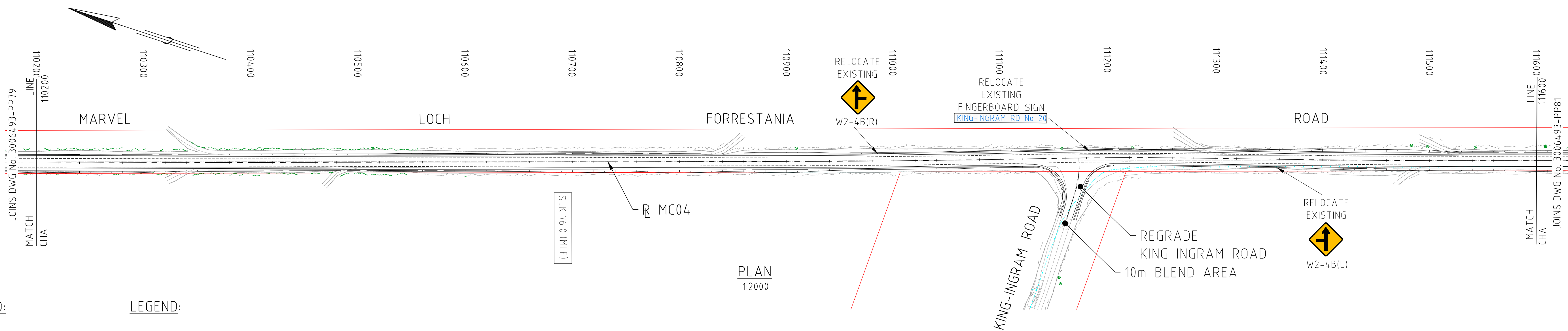


DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP76.dwg					PLOT DATE 03 Nov 2022		TIME 15:58:09		VERTICAL 1:200			CLIENT DOCUMENT No COV-M040-CI-DWG-0101							
EXTERNAL REFERENCE FILES					REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE	NAME	DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE		
											DRAFTER	JW	SCALES AT A1 SIZE DRAWING  SCALE 1:2000				MARVEL LOCH FORRESTANIA ROAD		
											DRAFTING CHECK	TM	 SCALE 1:200				PLAN AND PROFILE - MC04		
											DESIGNER	DG					CHA 104600 TO CHA 106000		
											DESIGN CHECK	TM							
											PROJECT MANAGER	DM							
											PROJECT DIRECTOR	RI							
											SMEC PROJECT No 3006493								

[illegible]

PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP79.dwg					PLOT DATE 03 Nov 2022		TIME 16:10:04		PROFILE HORIZONTAL 1:2000 VERTICAL 1:200				CLIENT DOCUMENT NO COV-M040-CI-DWG-0104									
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:2000  SCALE 1:200 			DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 108800 TO CHA 110200					
									DRAFTER JW DRAFTING CHECK TM DESIGNER DG DESIGN CHECK TM PROJECT MANAGER DM PROJECT DIRECTOR RI						SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP79		REVISION 0	



SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA



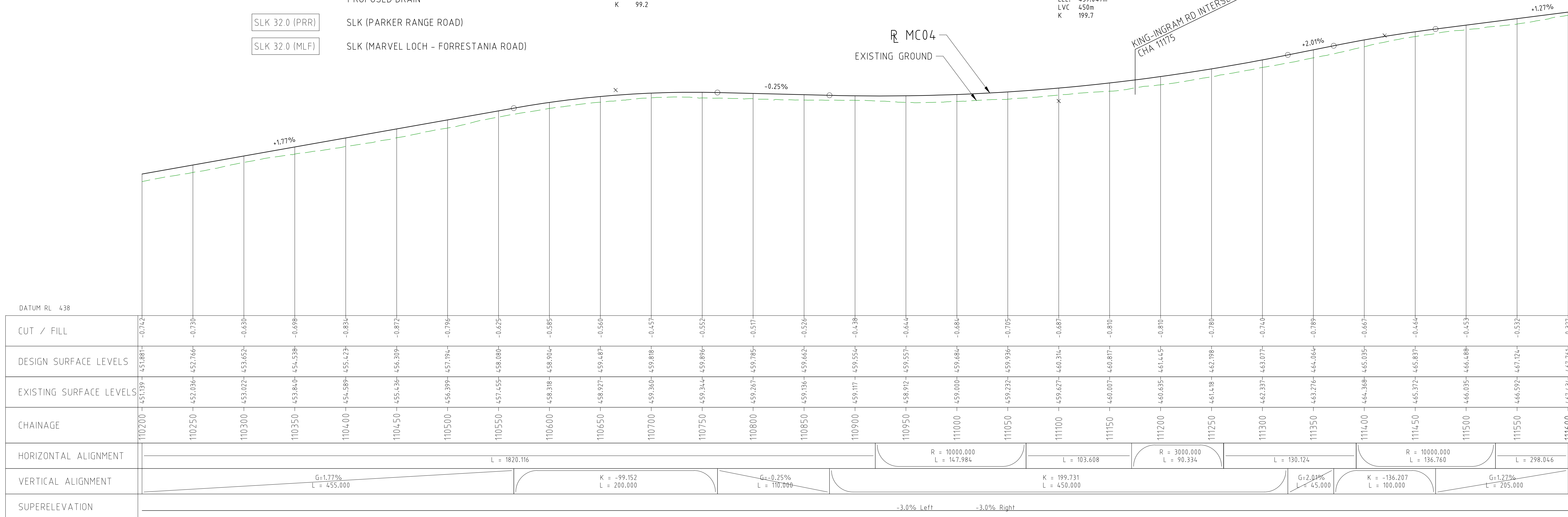
LEGEND:



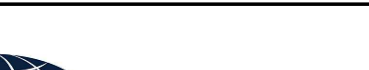
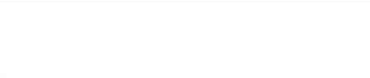
- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

VPI
CHA. 110665.000
ELE. 460.117m
LVC 200m
K 99.2

VPI
CHA. 111100.000
ELE. 459.047m
LVC 450m
K 199.7

VPI
CHA. 111420.000
ELE. 465.469m
LVC 100m
K 136.2



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP80.dwg					PLOT DATE 03 Nov 2022		TIME 16:14:13		TITHEE HORIZONTAL 1:2000 VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0105					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE			
							DRAFTER	JW	<div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>		<div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div>	<div></div>	MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 110200 TO CHA 111600			
							DRAFTING CHECK	TM								
							DESIGNER	DG								
							DESIGN CHECK	TM								
							PROJECT MANAGER	DM								
							PROJECT DIRECTOR	RI	SMC PROJECT No 3006493				SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP80	REVISION 0

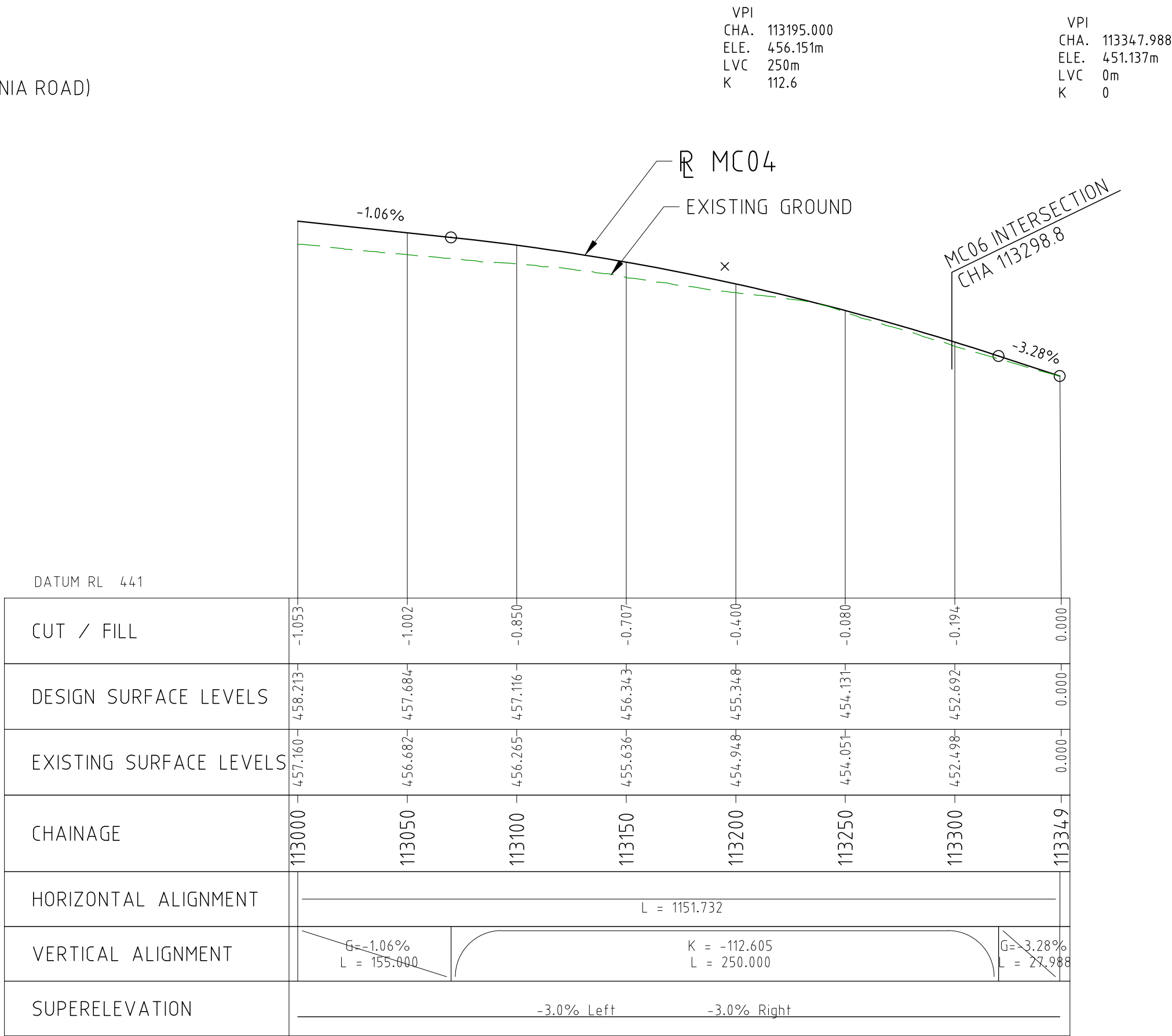
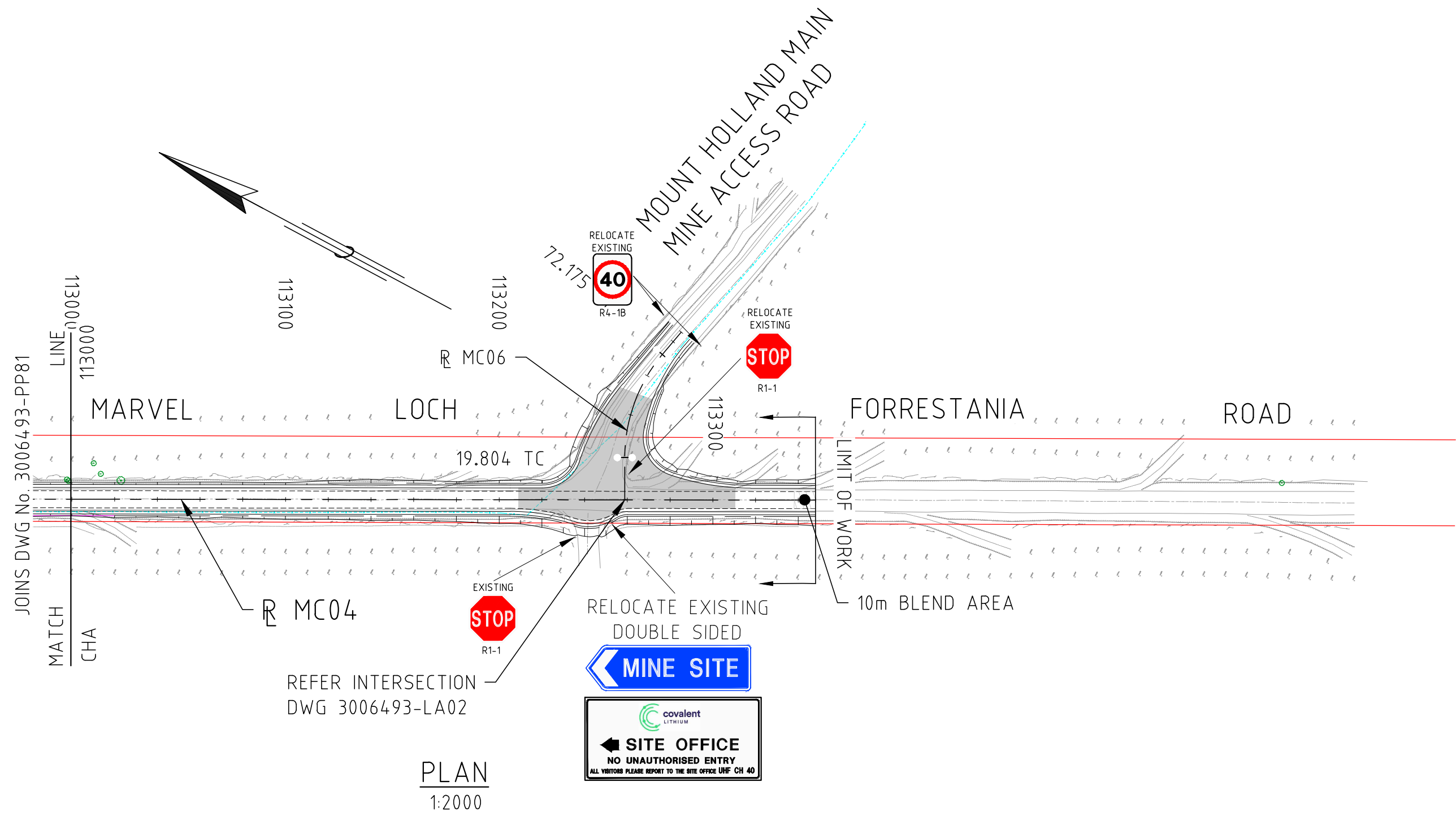
SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

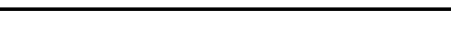



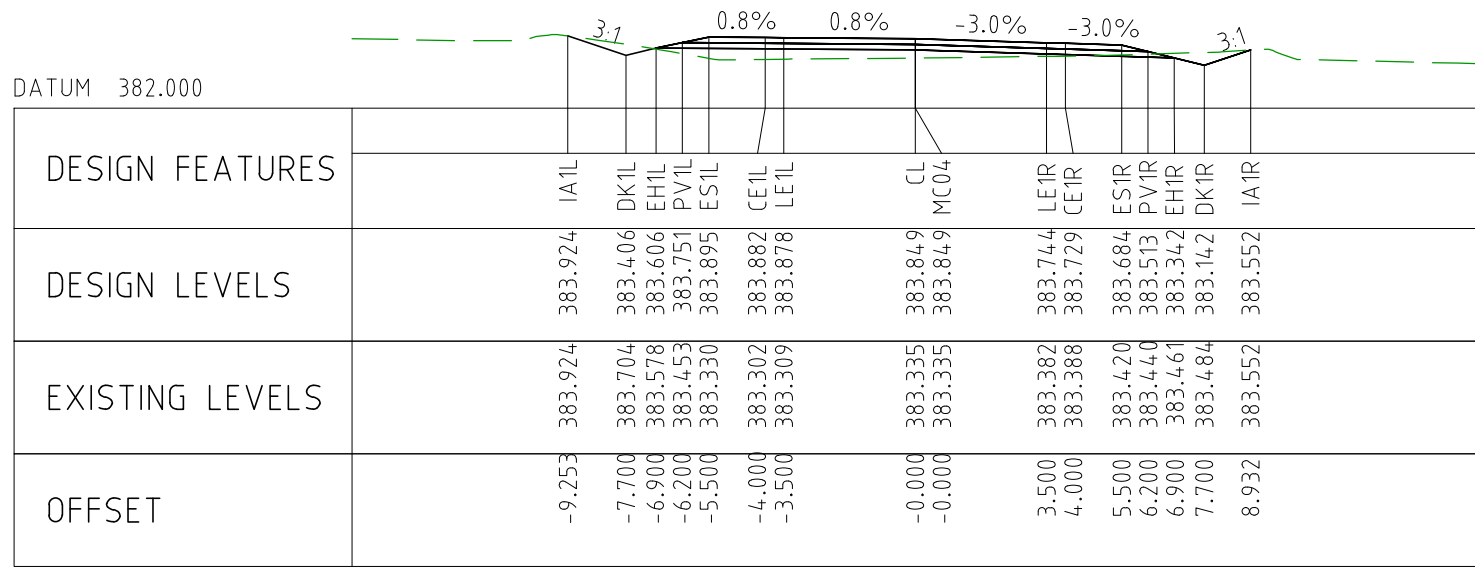
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

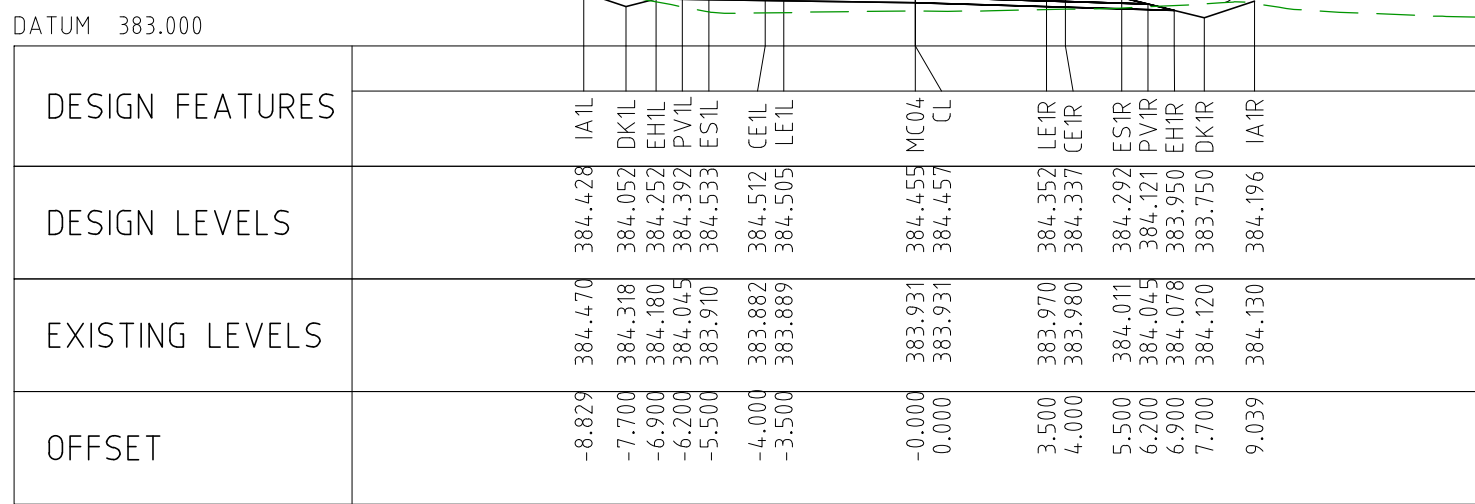


PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

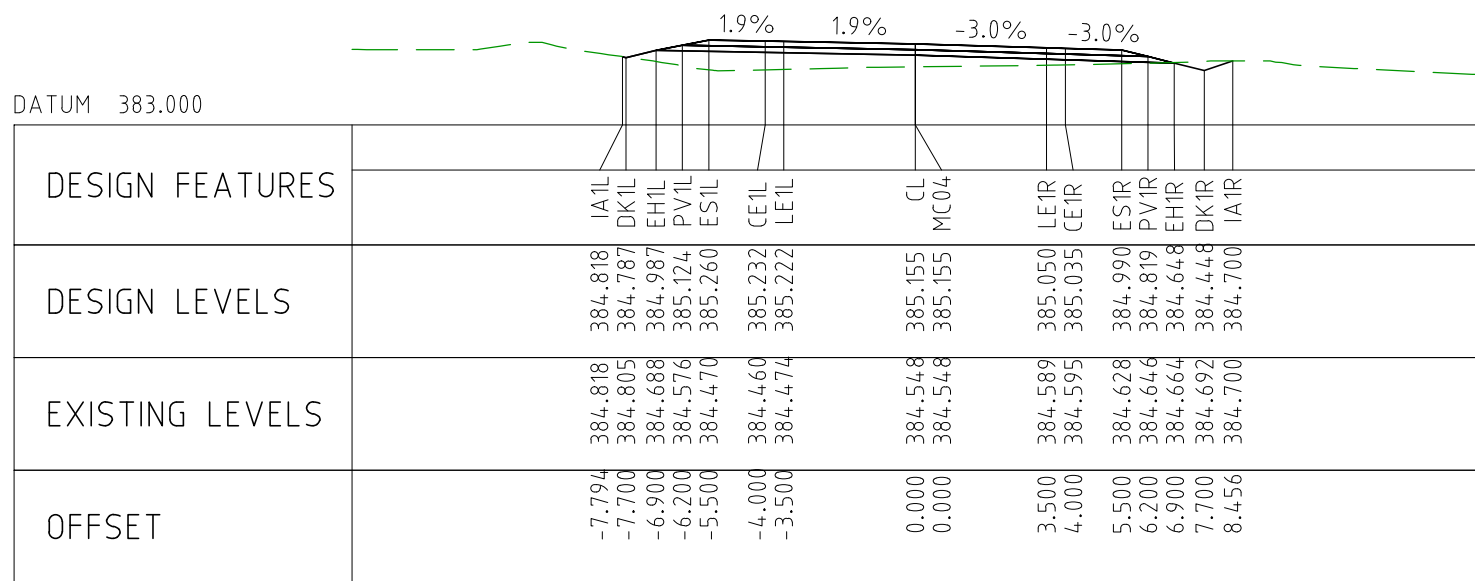
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP82.dwg				PLOT DATE 07 Nov 2022		TIME 12:10:09		CLIENT DOCUMENT No COV-M040-CI-DWG-0107															
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE		NAME		SCALES AT A1 SIZE DRAWING		DESIGNER		CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE					
								DRAFTER		JW		<div><div>SCALE 1:2000</div><div><div><div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div></div><div><div>SCALE 1:200</div><div><div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div></div></div></div></div>		<div><div></div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>		<div><div></div></div>		MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC04 CHA 113000 TO CHA 113349					
								DRAFTING CHECK		TM													
								DESIGNER		DG													
								DESIGN CHECK		TM													
								PROJECT MANAGER		DM													
PROJECT DIRECTOR		RI										SMEC PROJECT No 3006493				SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP82		REVISION 0	



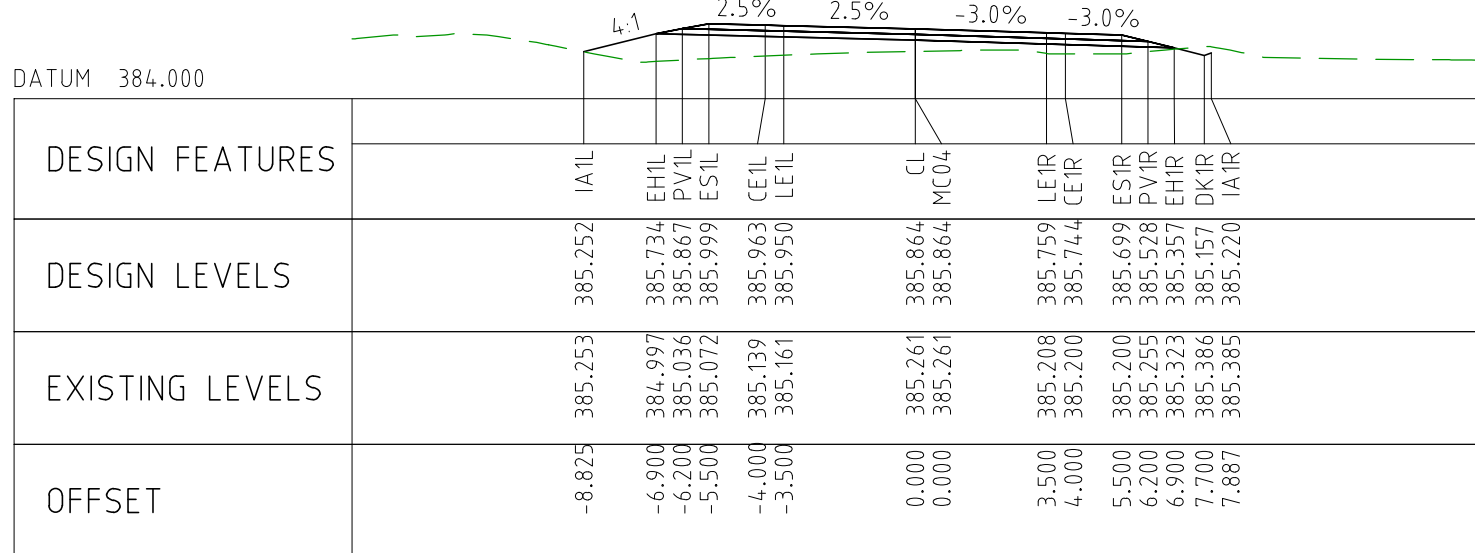
CHAINAGE 62800



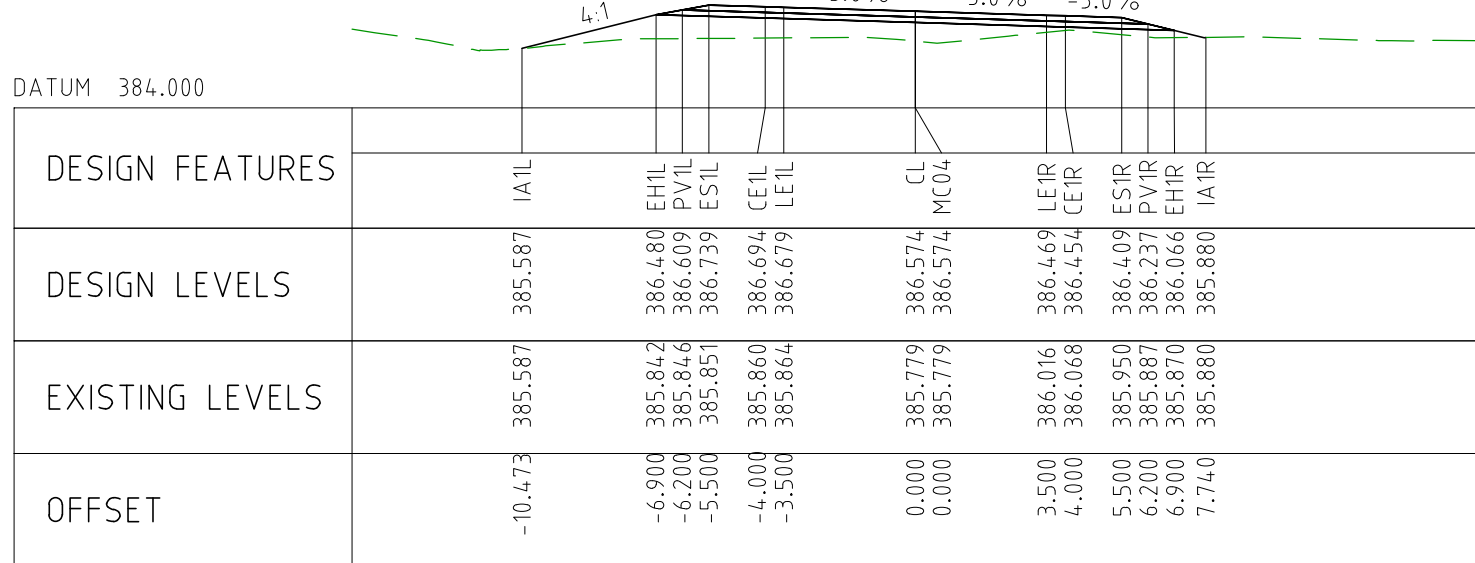
CHAINAGE 62750



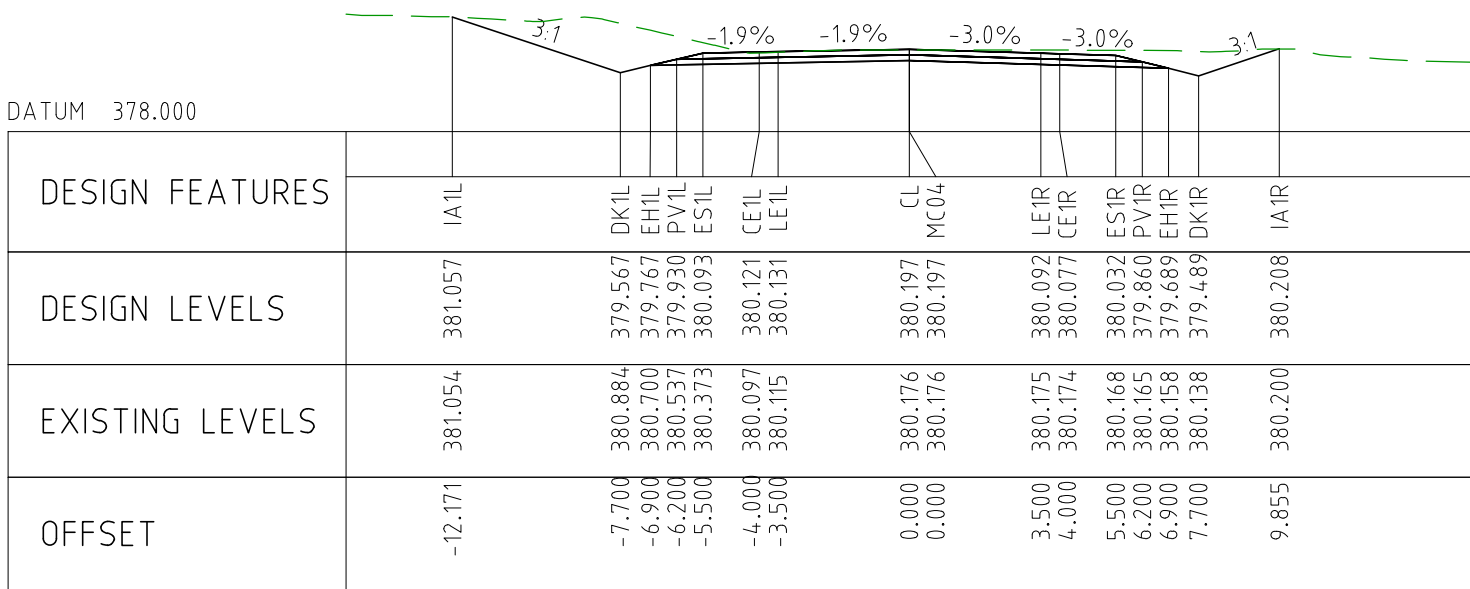
CHAINAGE 62700



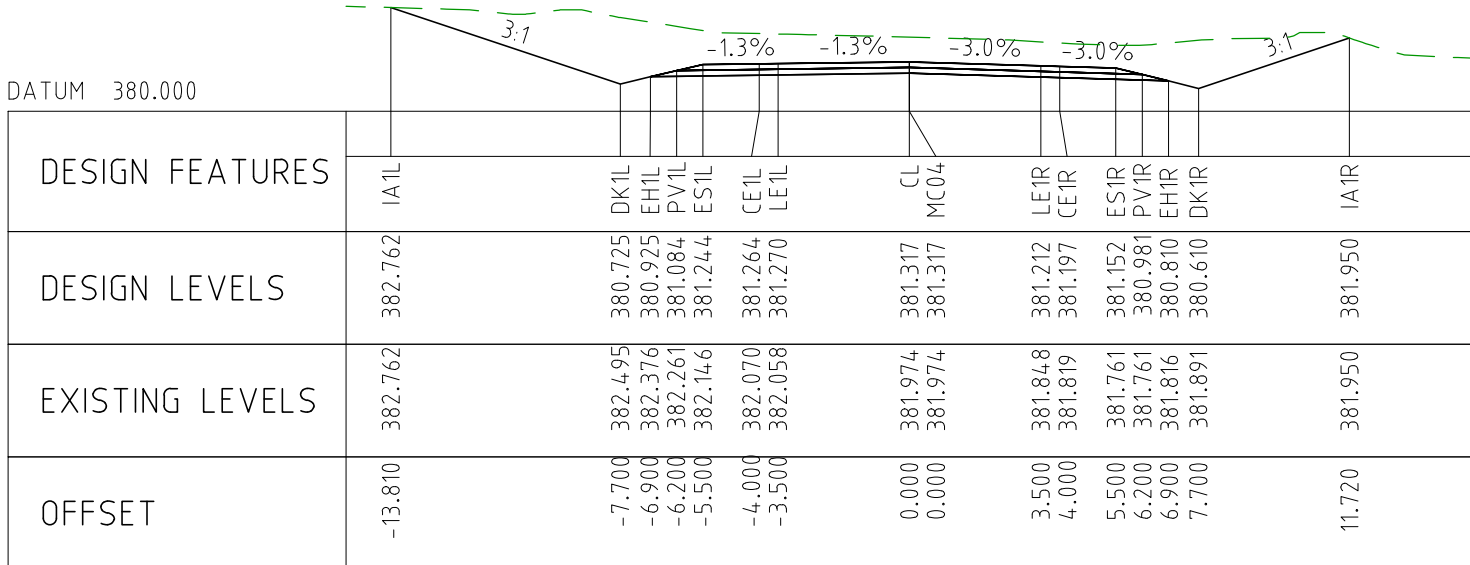
CHAINAGE 62650



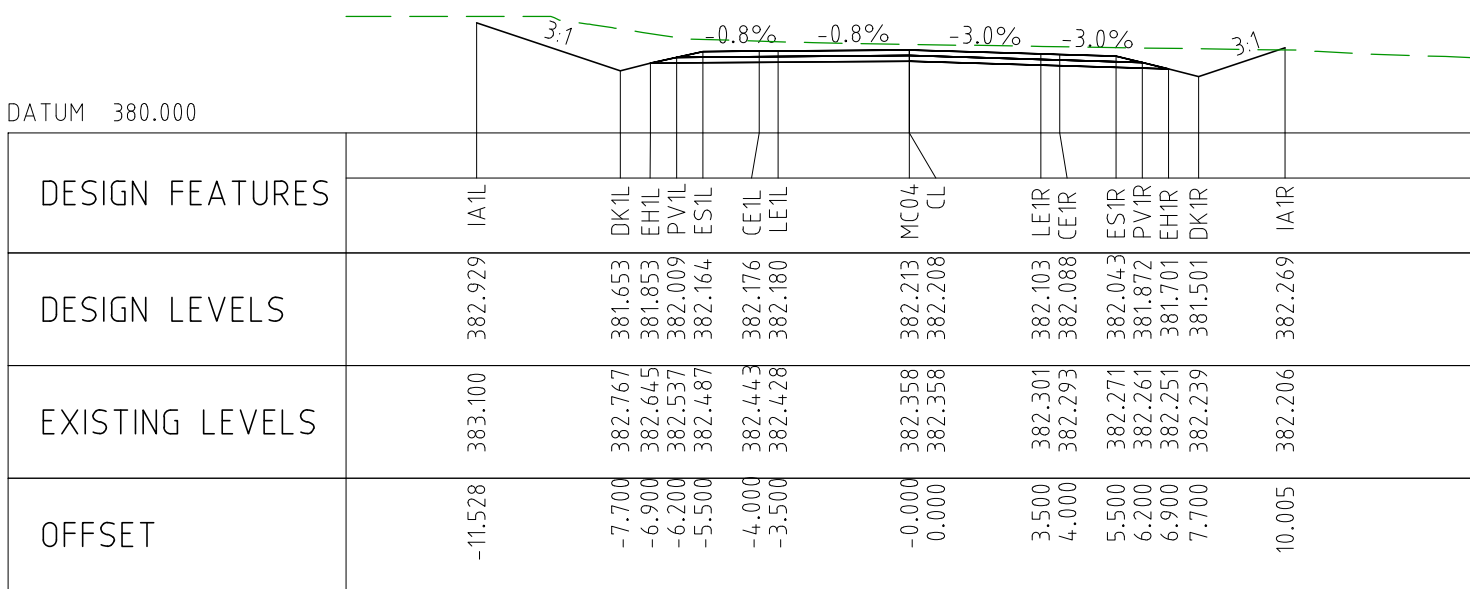
CHAINAGE 62600



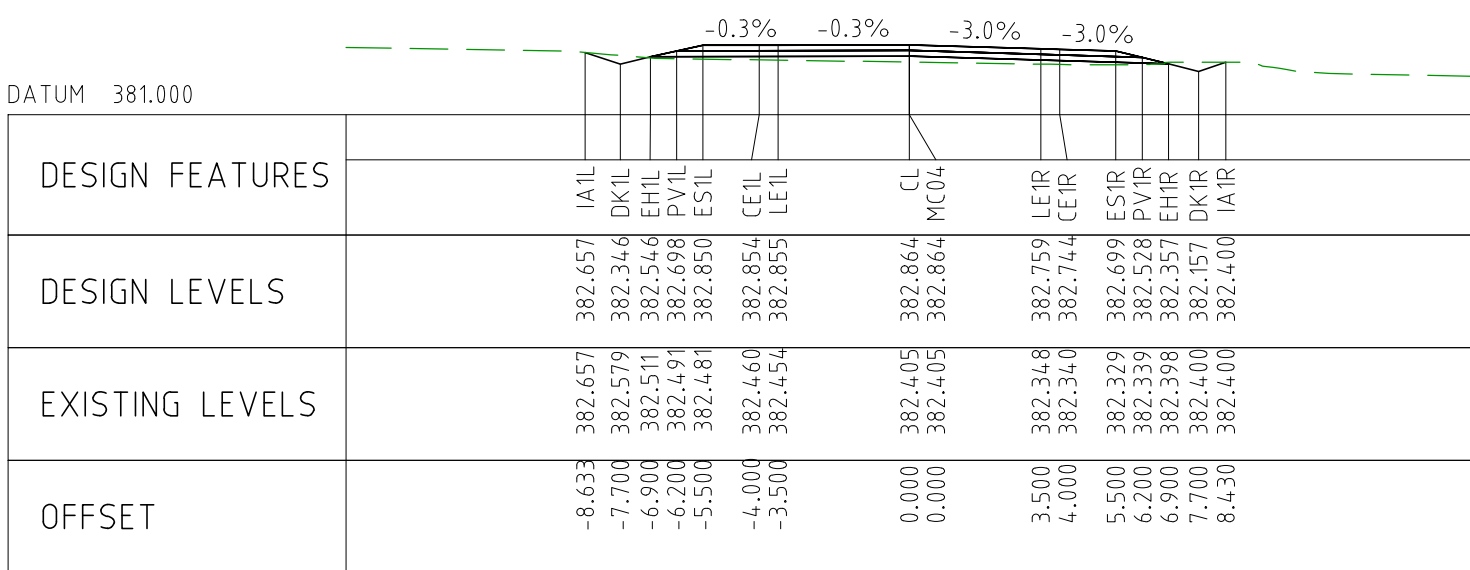
CHAINAGE 63050



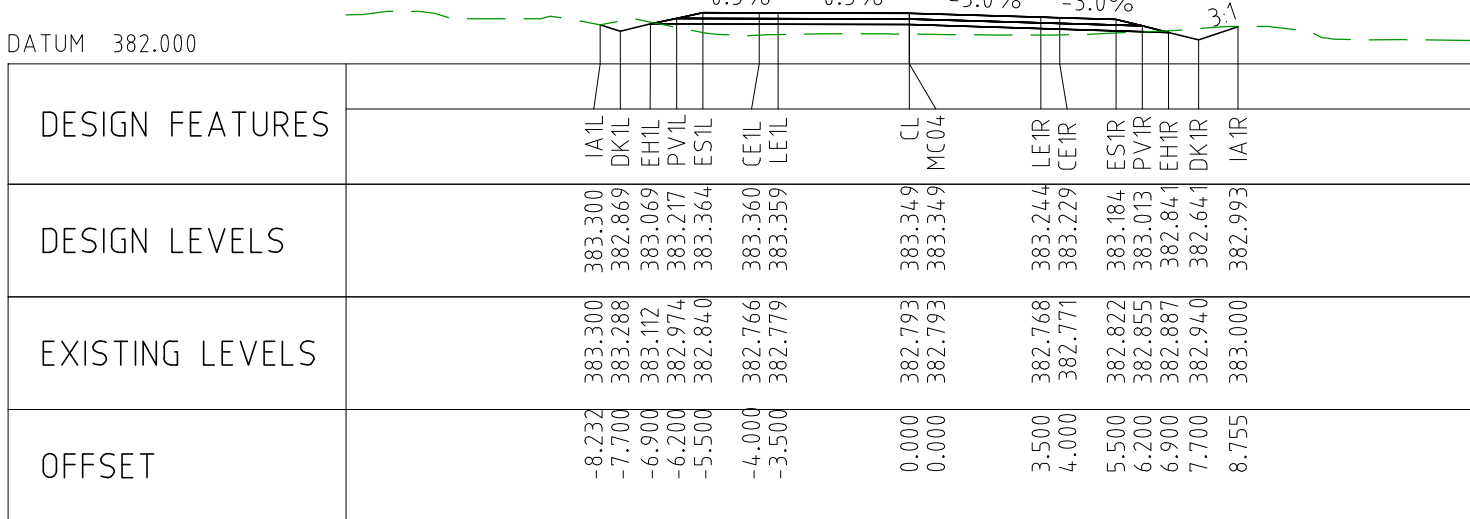
CHAINAGE 63000



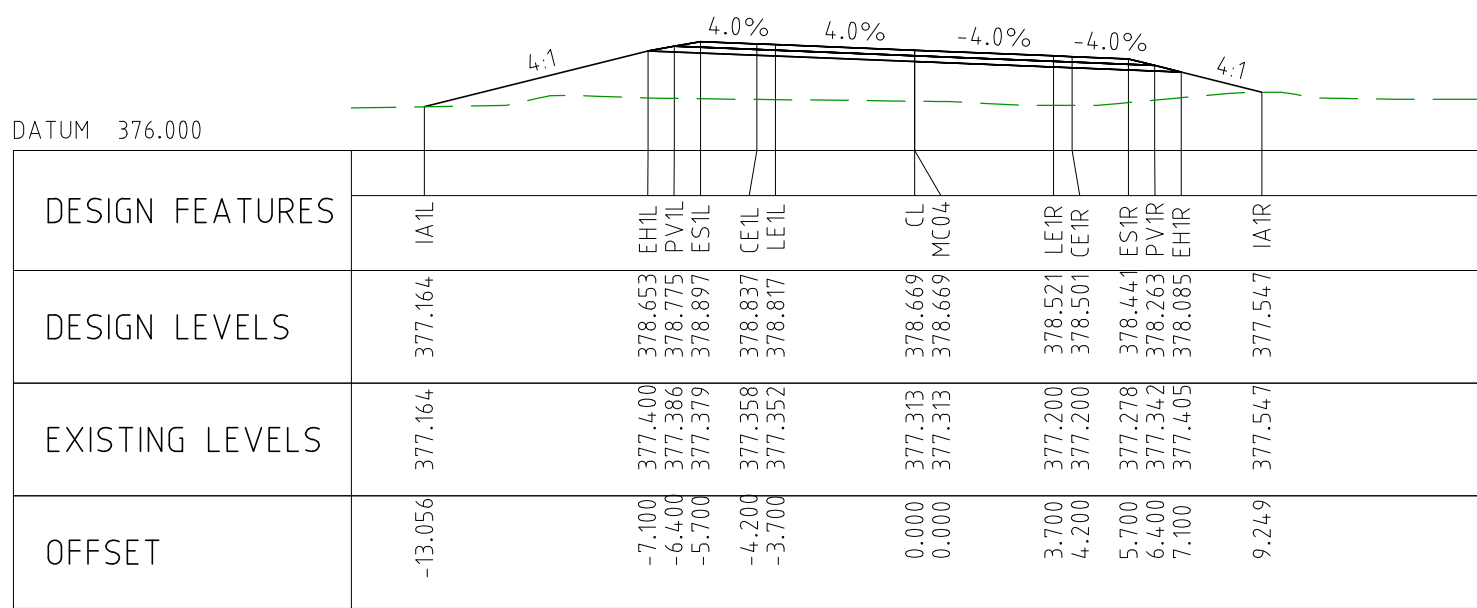
CHAINAGE 62950



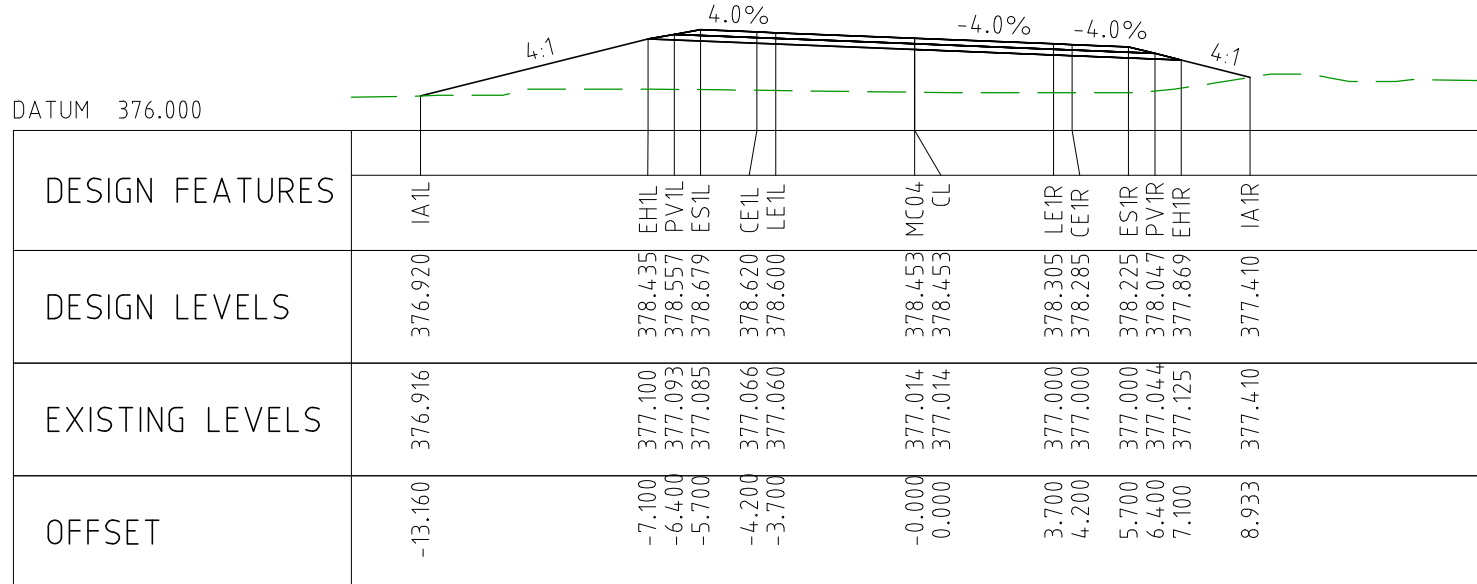
CHAINAGE 62900



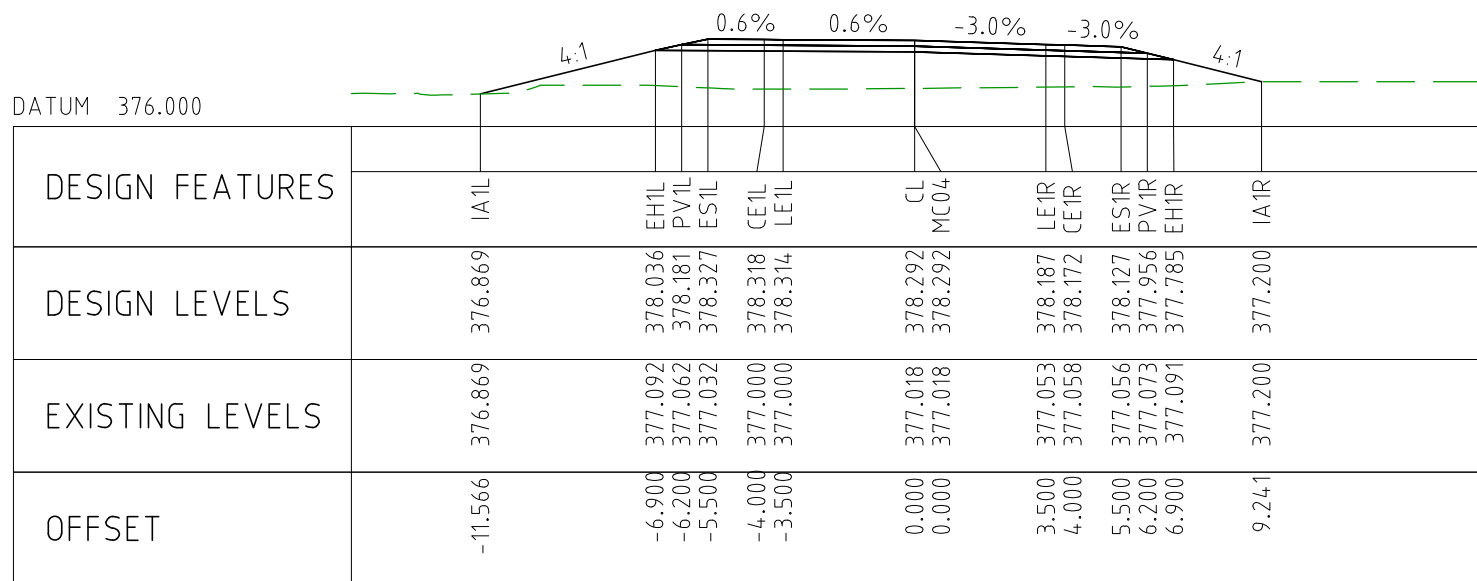
CHAINAGE 62850



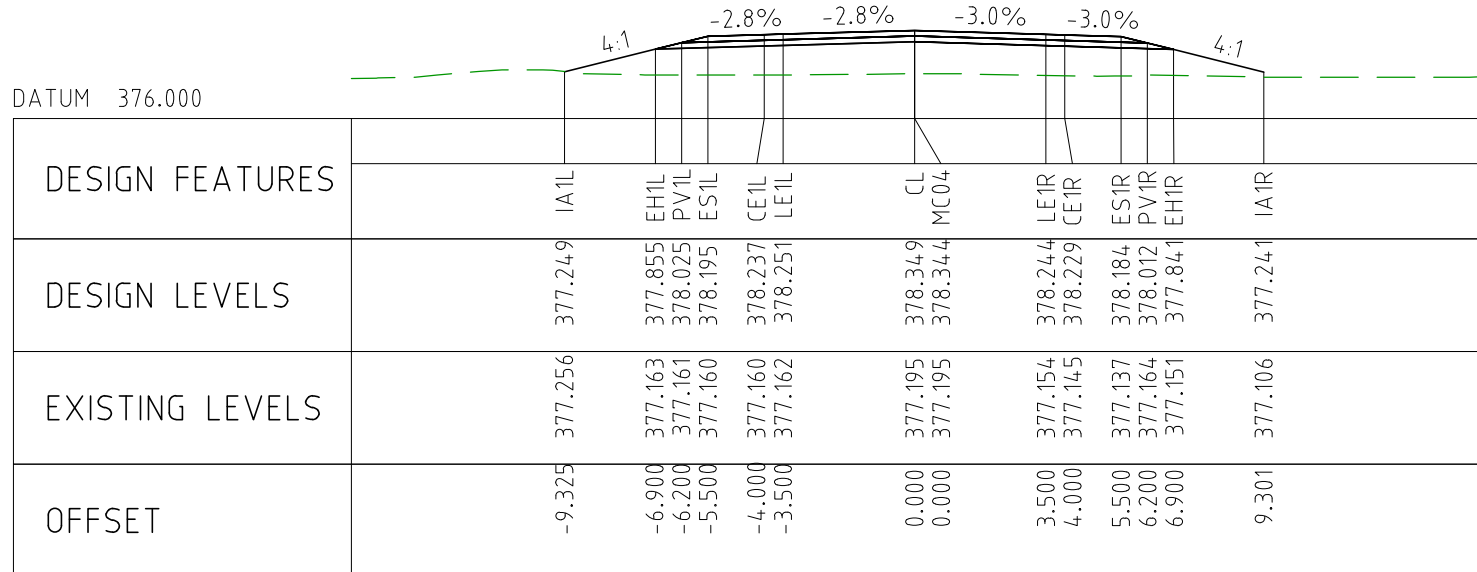
CHAINAGE 63300



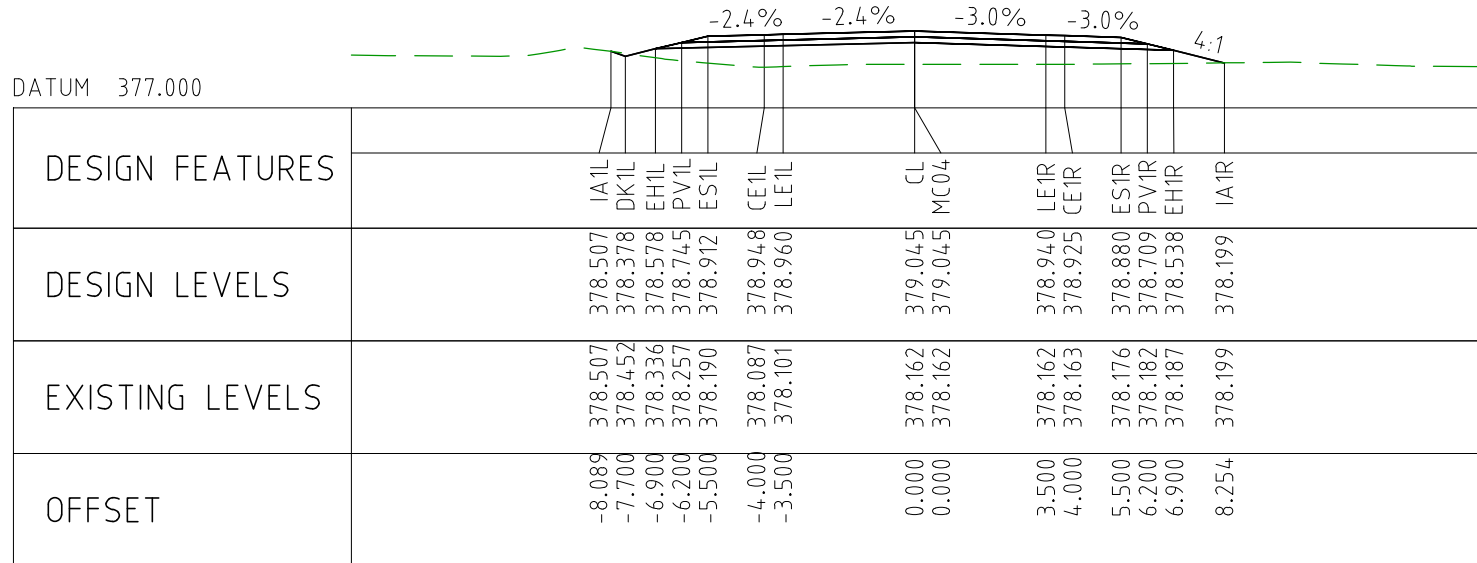
CHAINAGE 63250



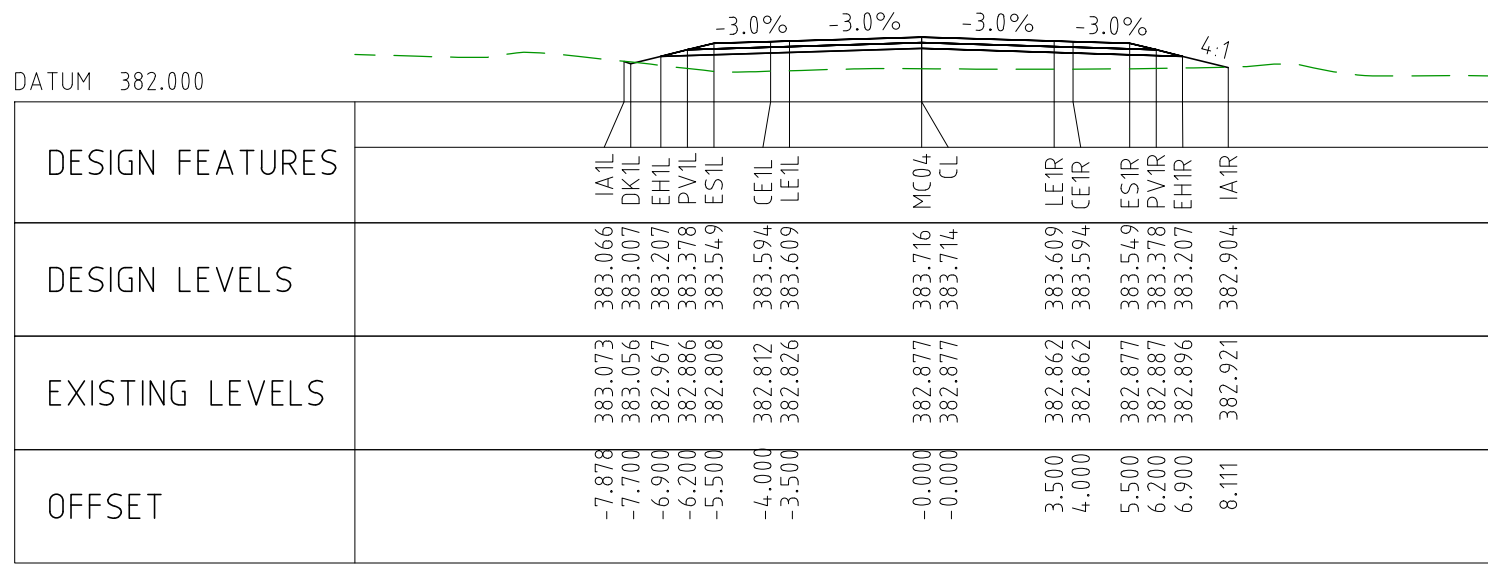
CHAINAGE 63200



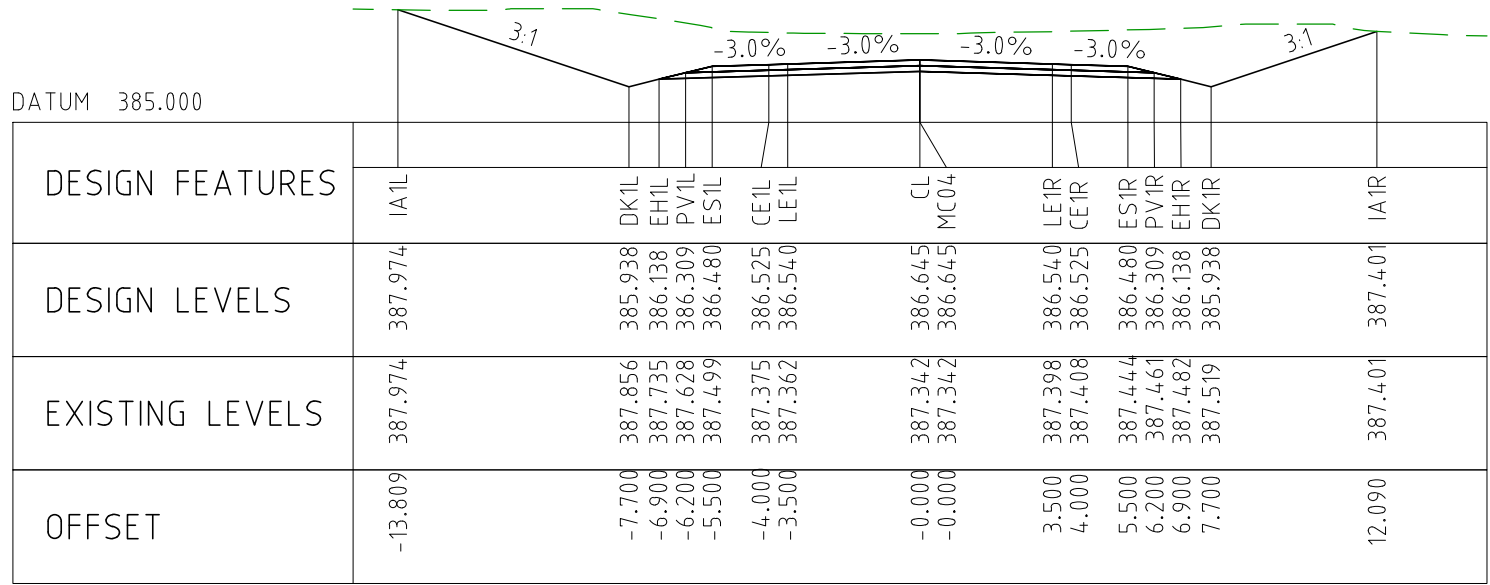
CHAINAGE 63150



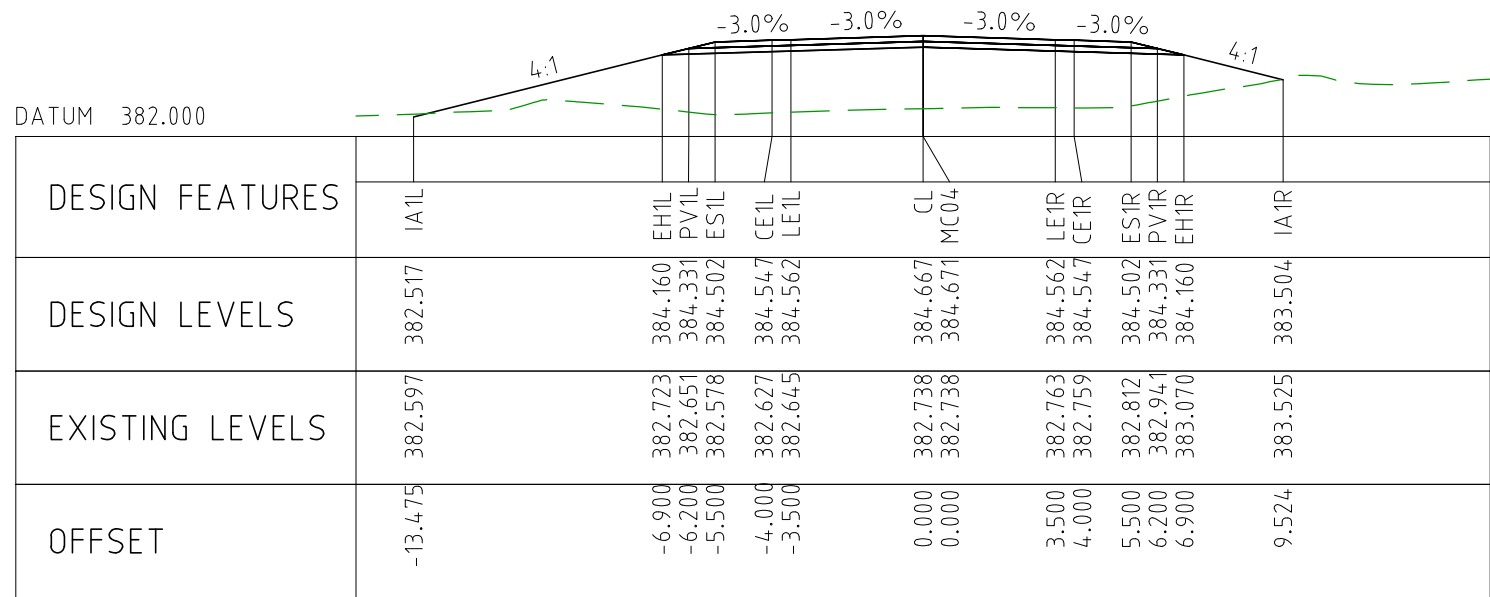
CHAINAGE 63100



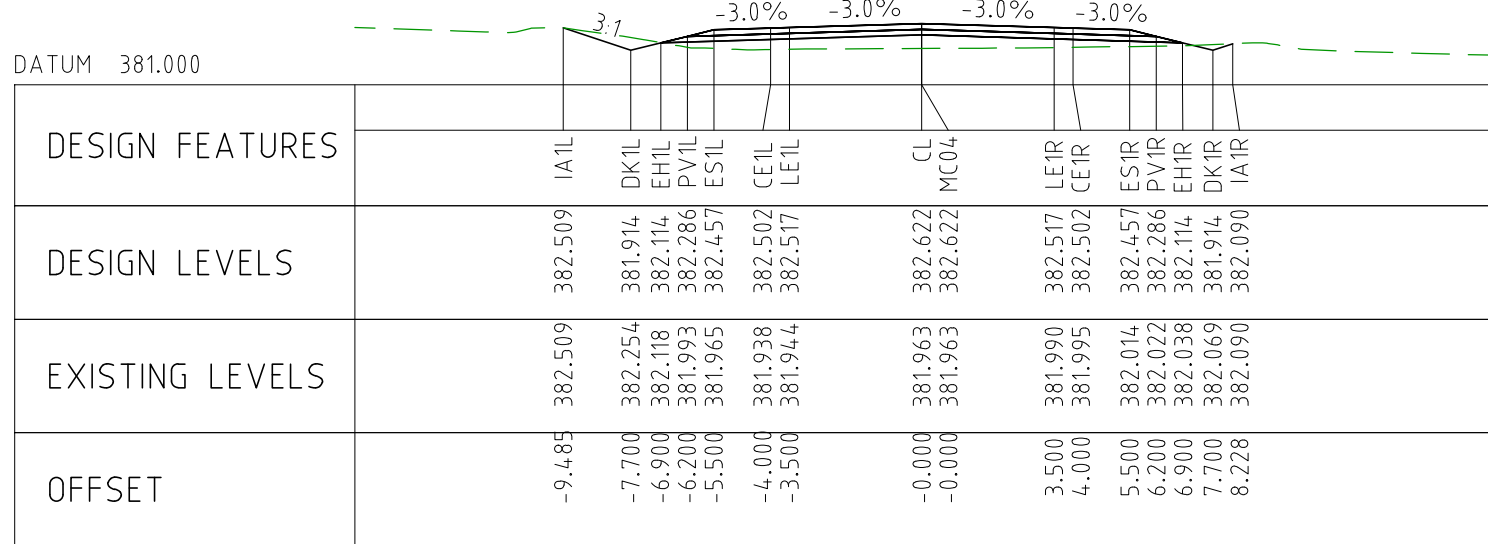
CHAINAGE 63550



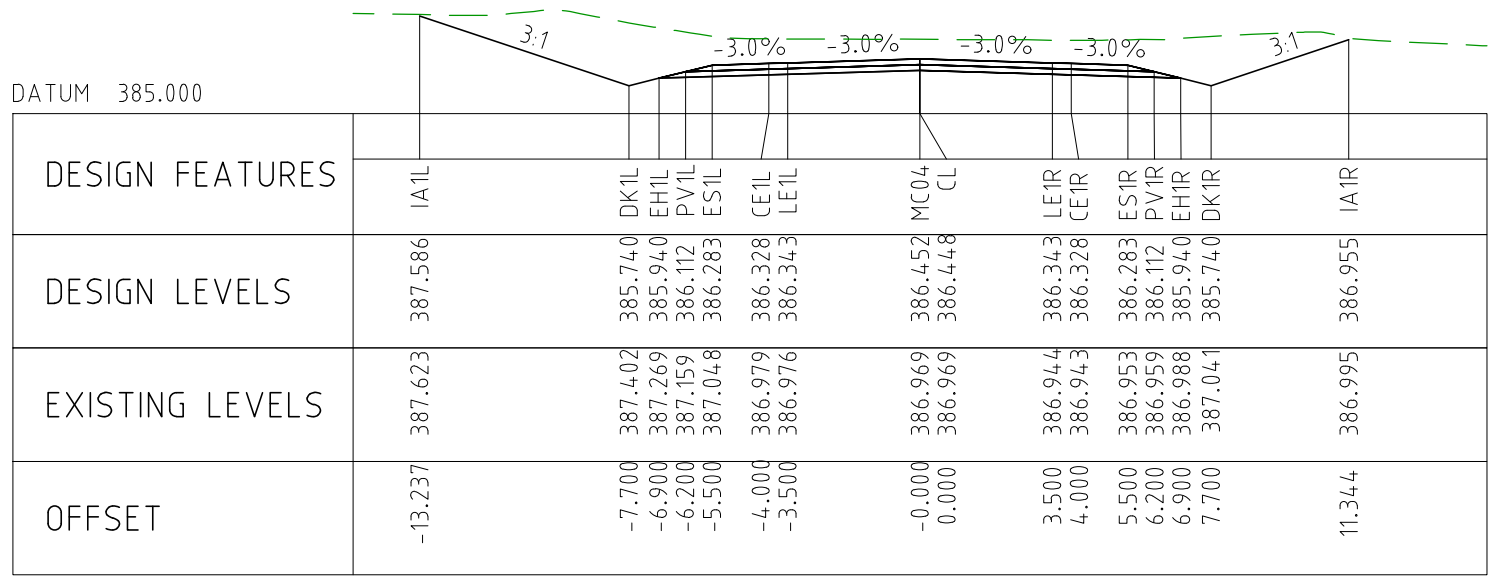
CHAINAGE 63800



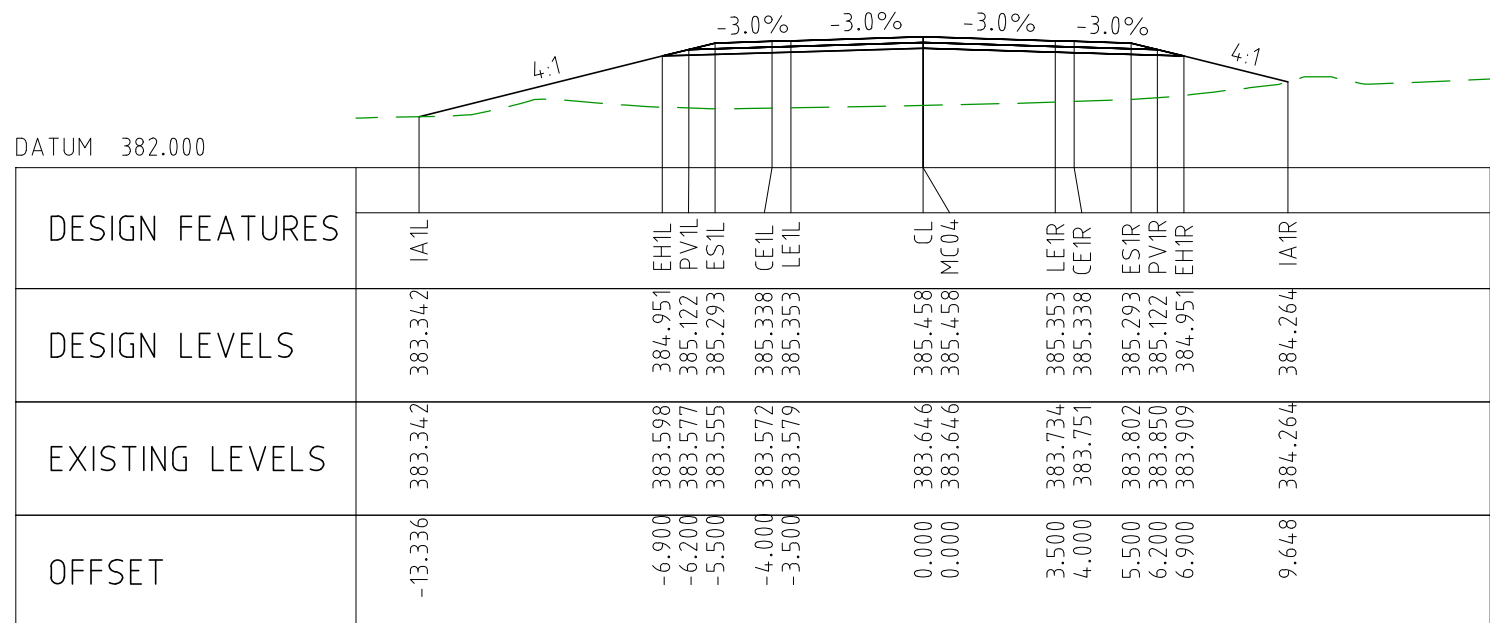
CHAINAGE 64050



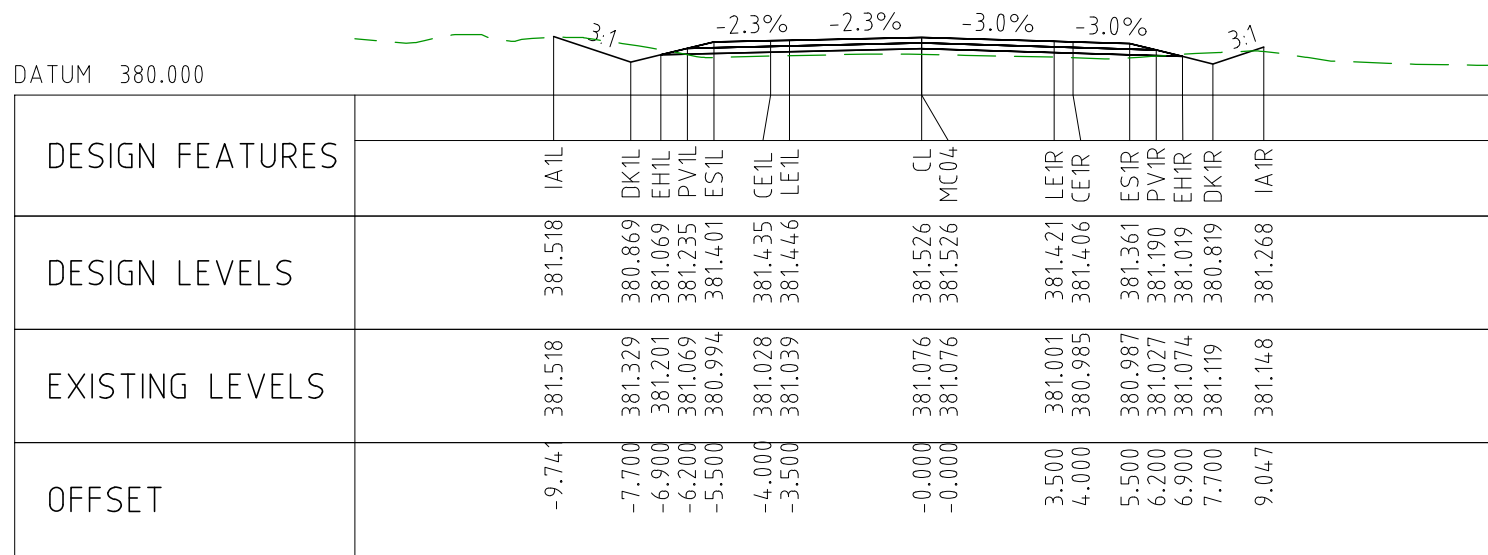
CHAINAGE 63500



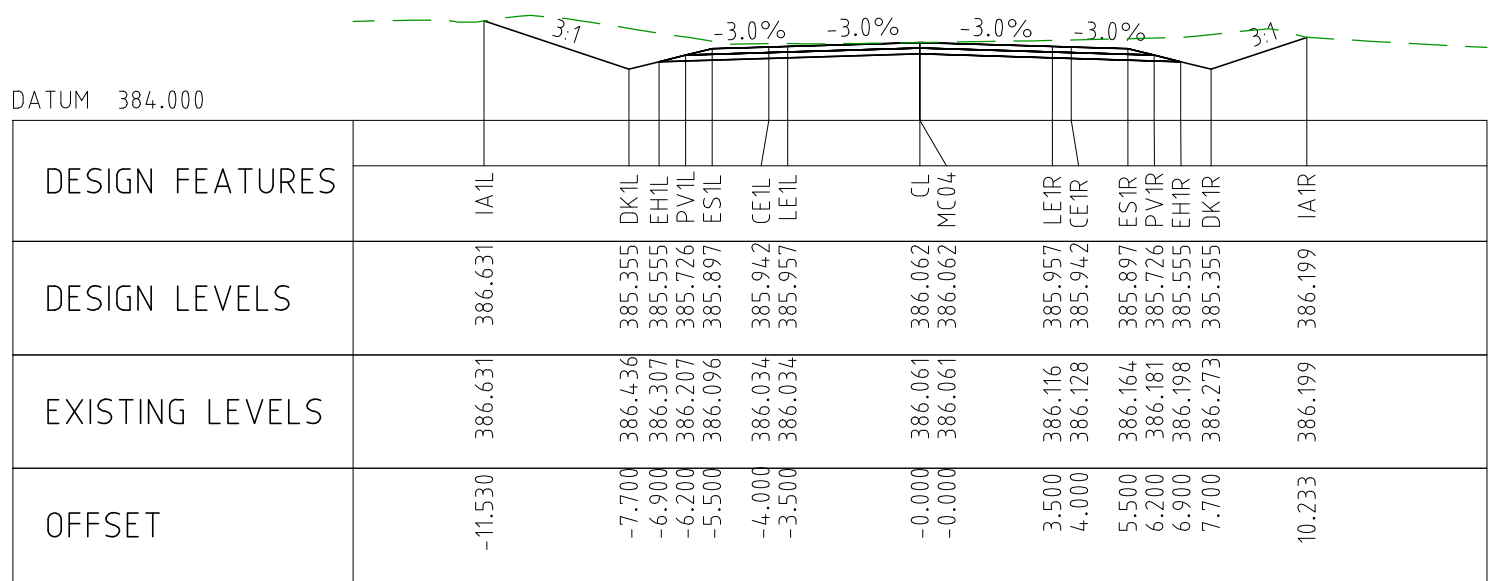
CHAINAGE 63750



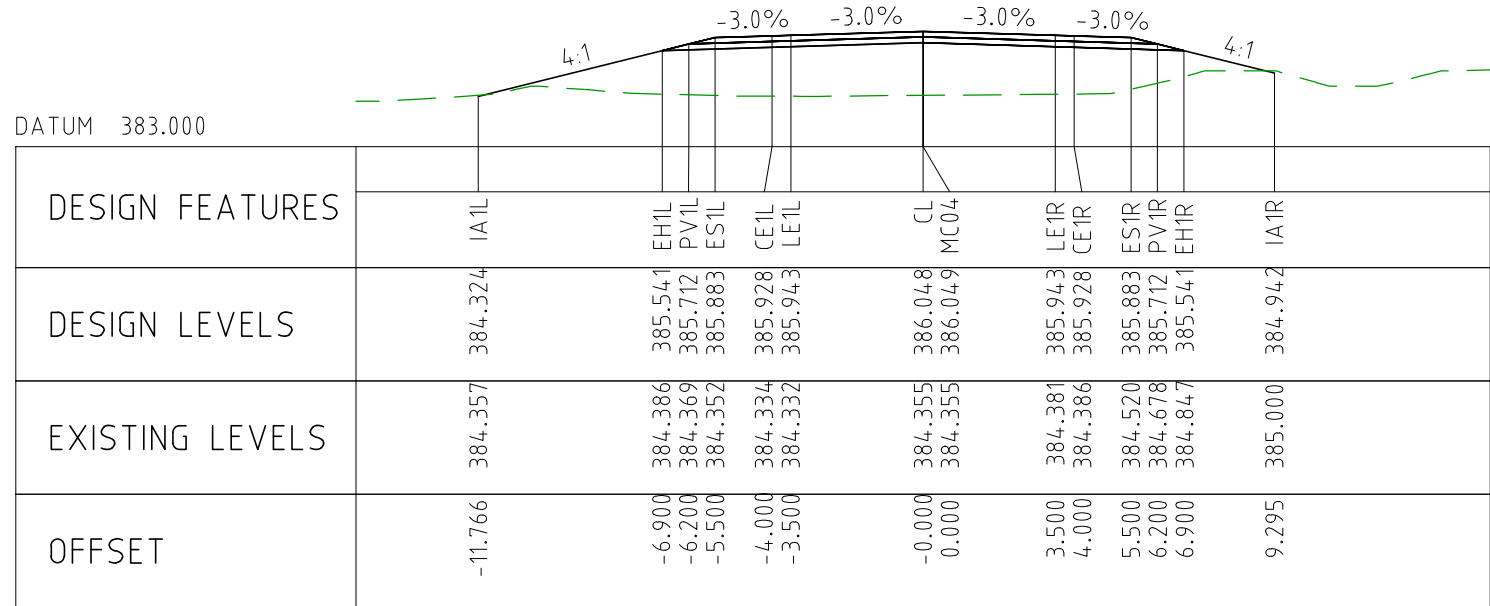
CHAINAGE 64000



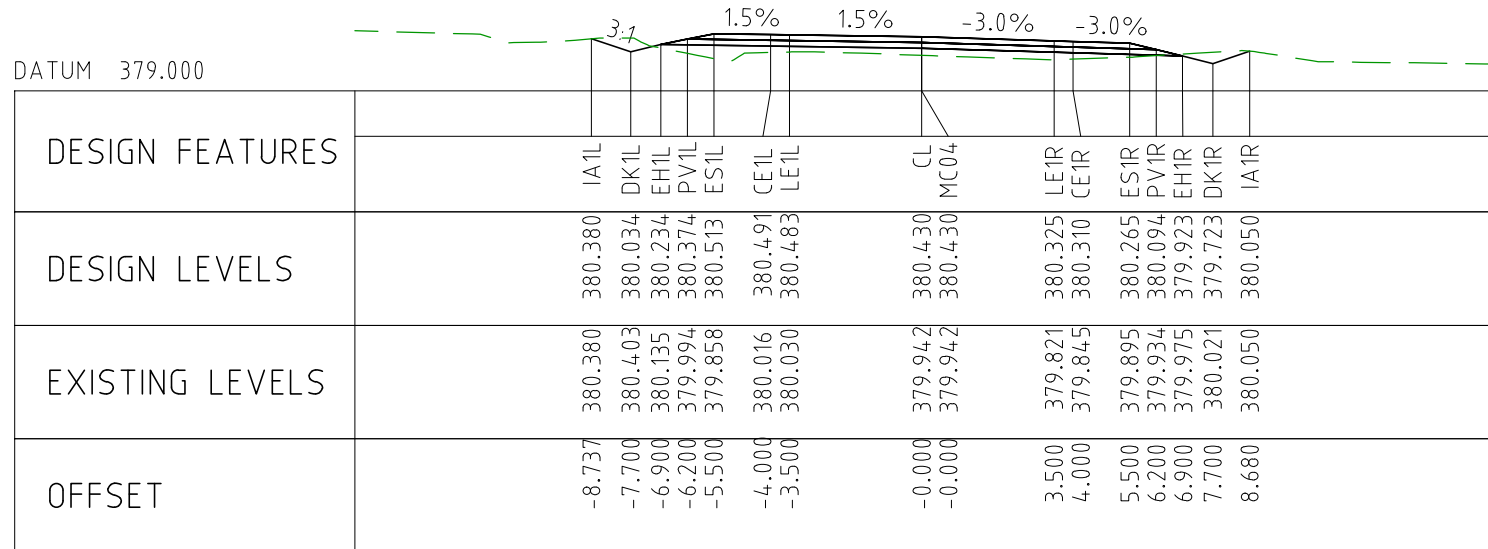
CHAINAGE 63450



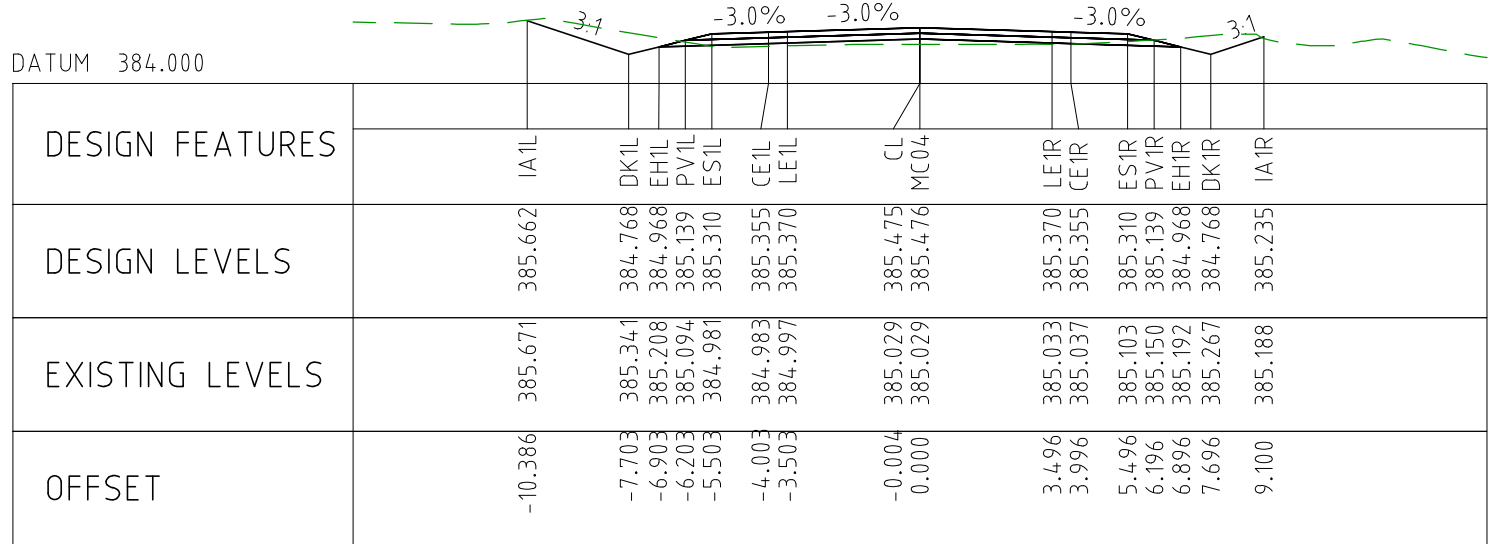
CHAINAGE 63700



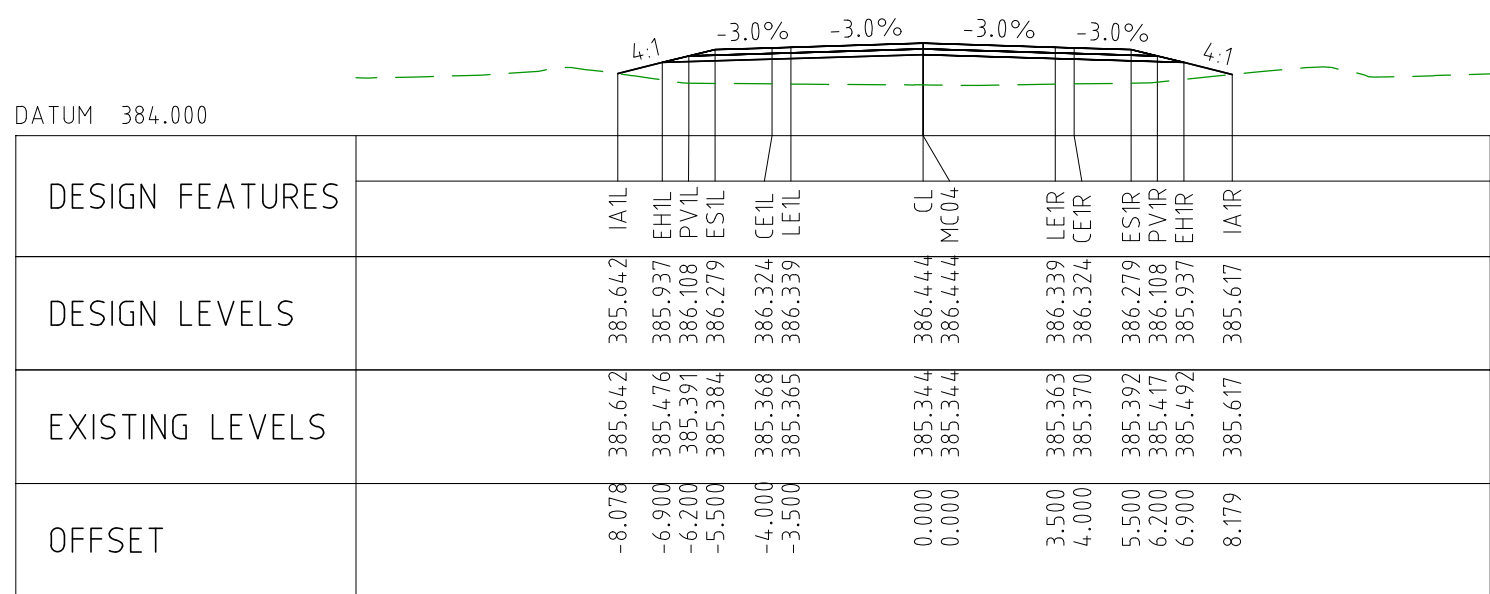
CHAINAGE 63950



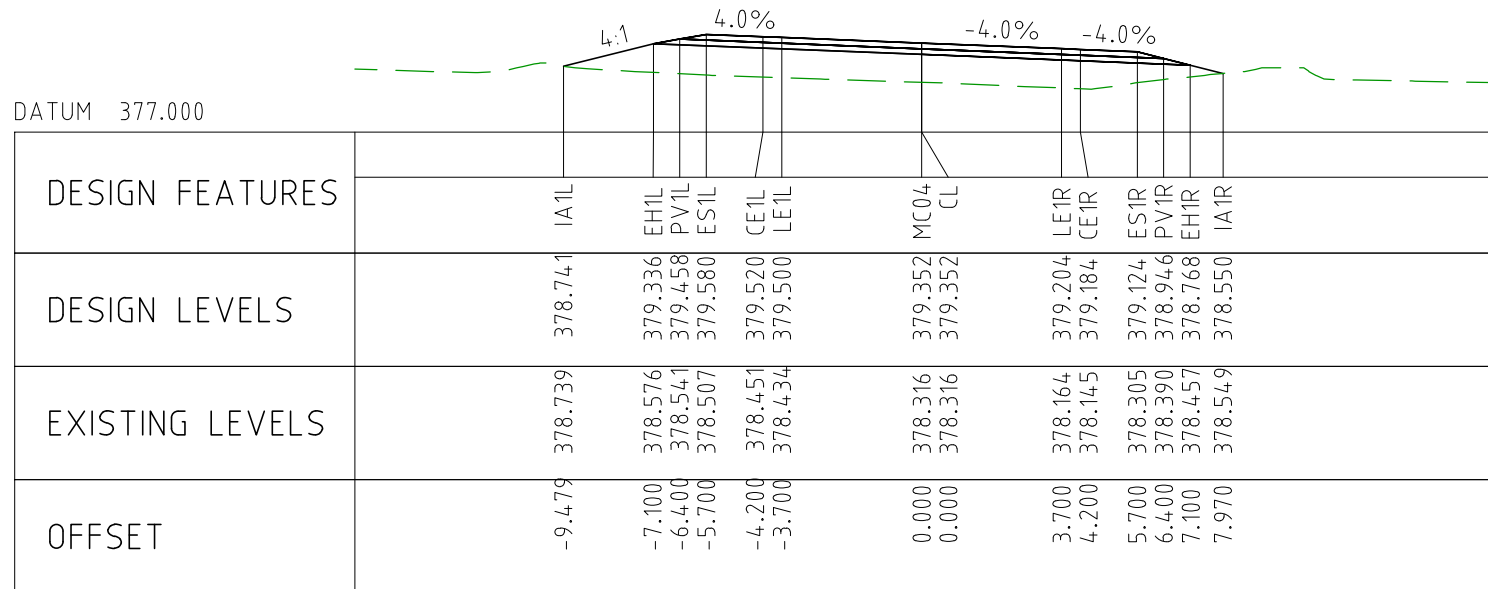
CHAINAGE 63400



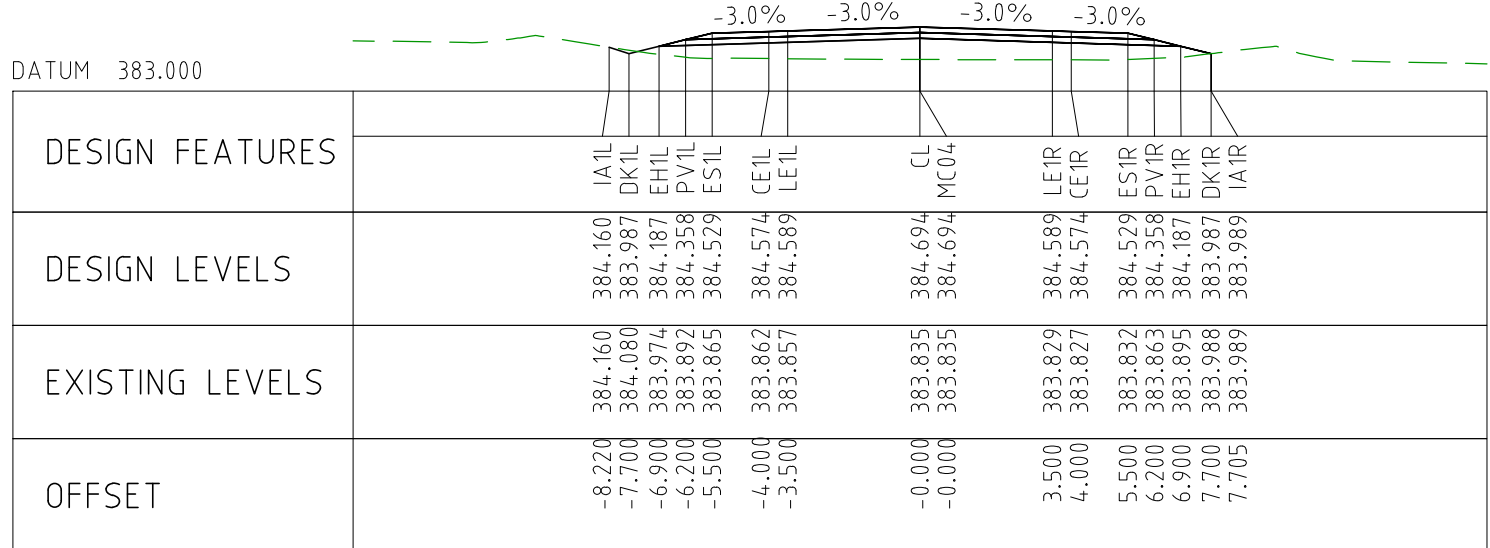
CHAINAGE 63650



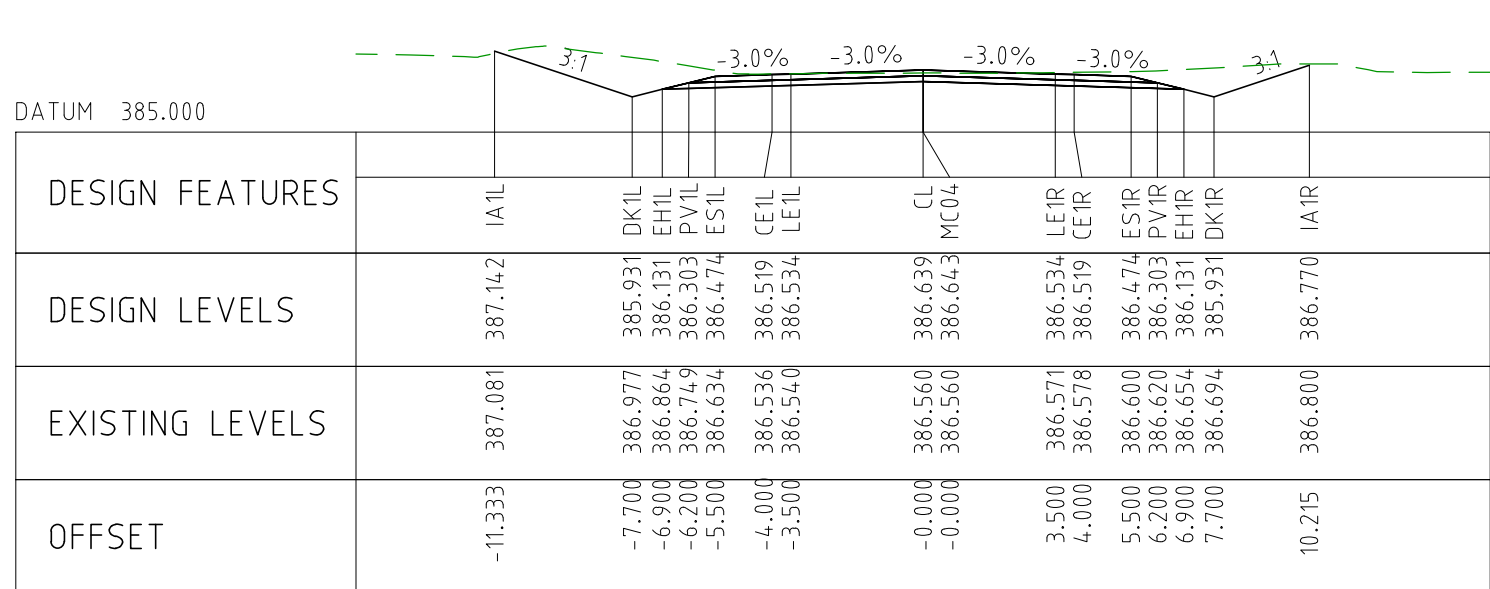
CHAINAGE 63900



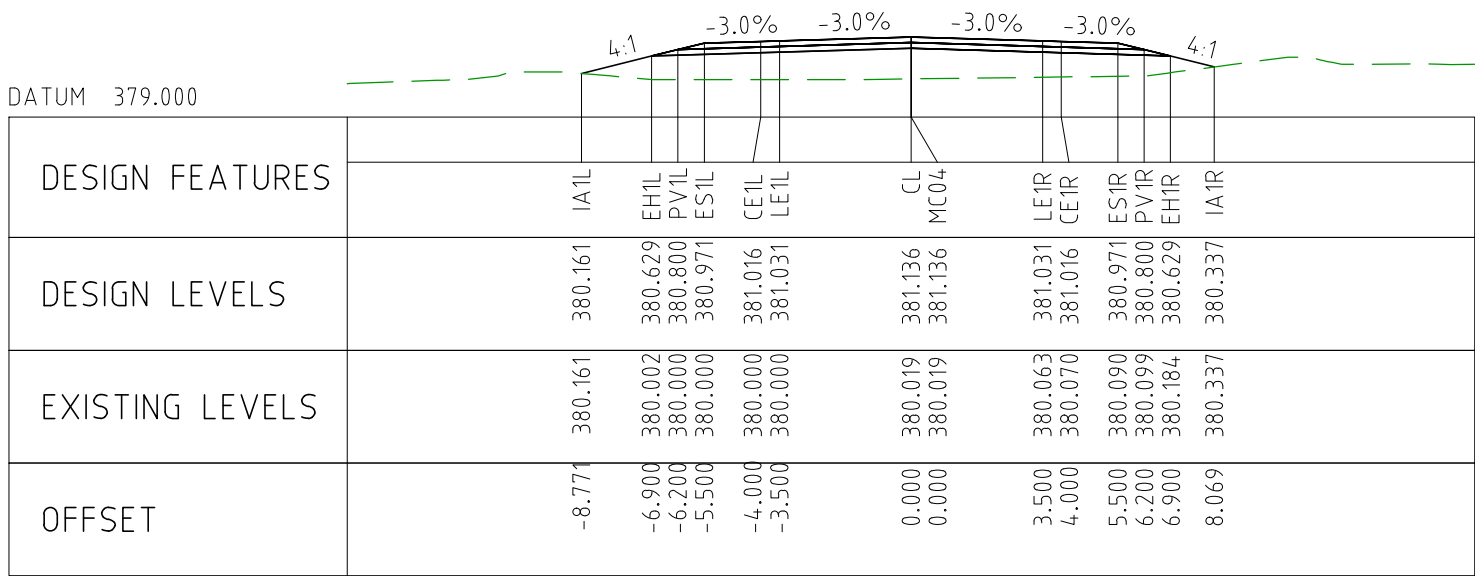
CHAINAGE 63350



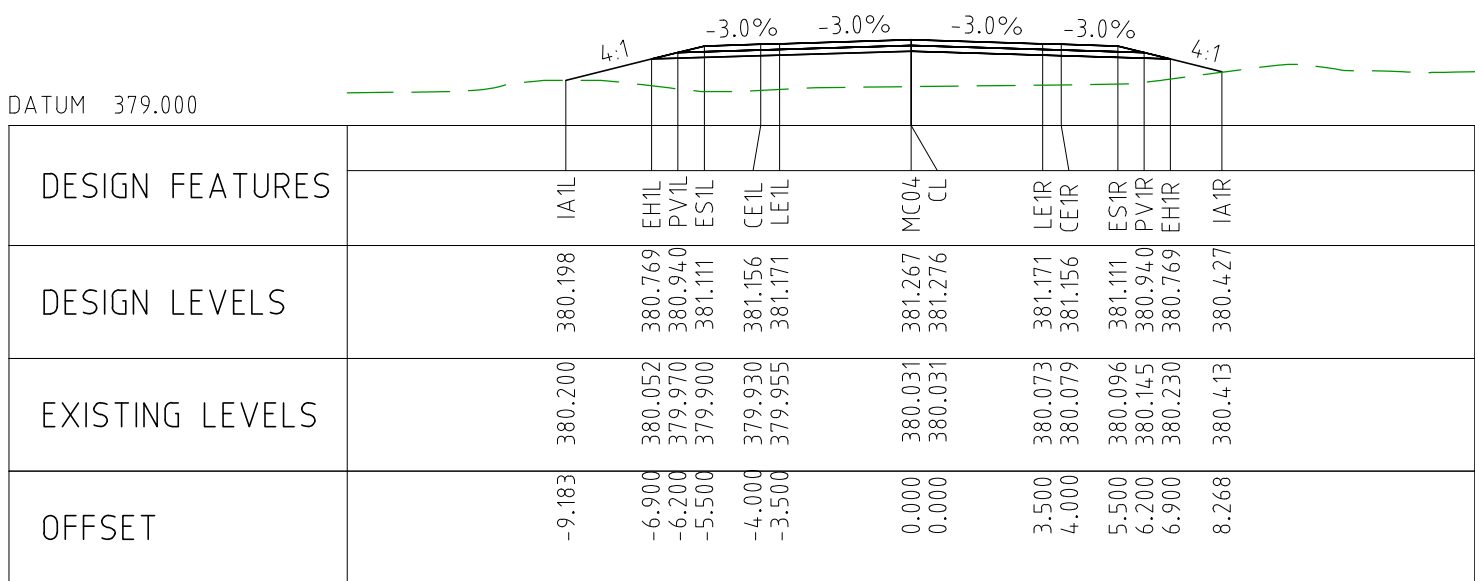
CHAINAGE 63600



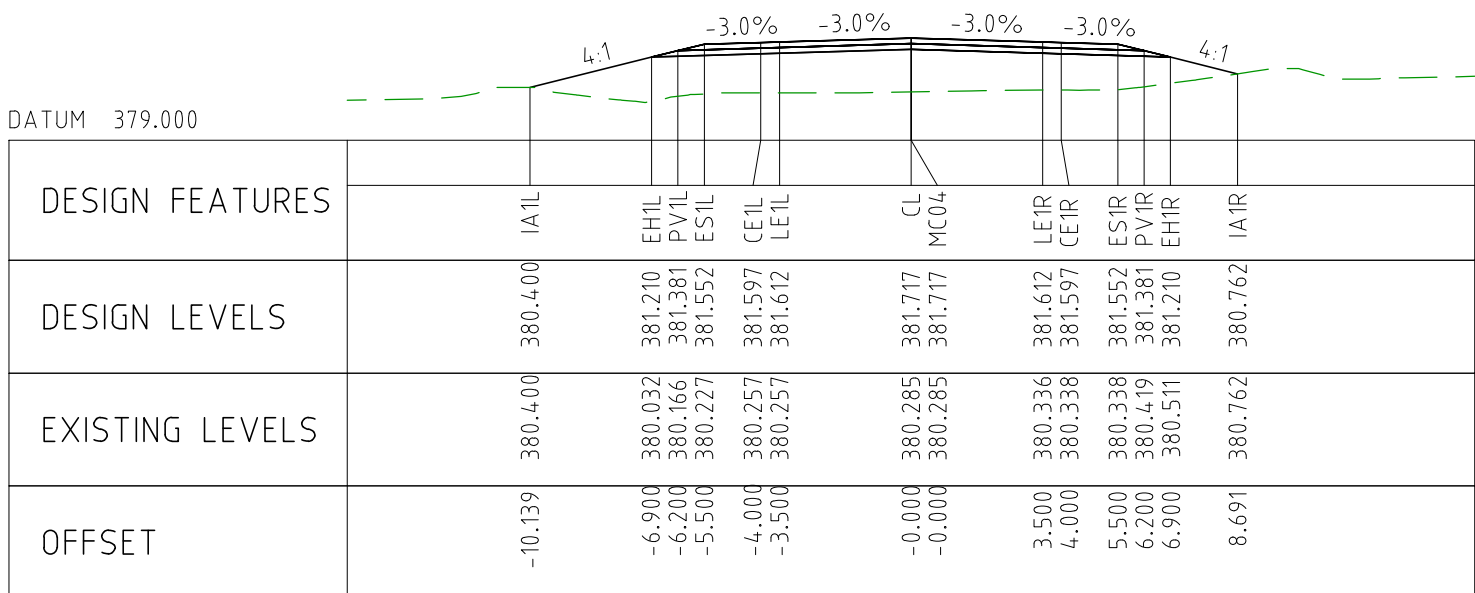
CHAINAGE 63850



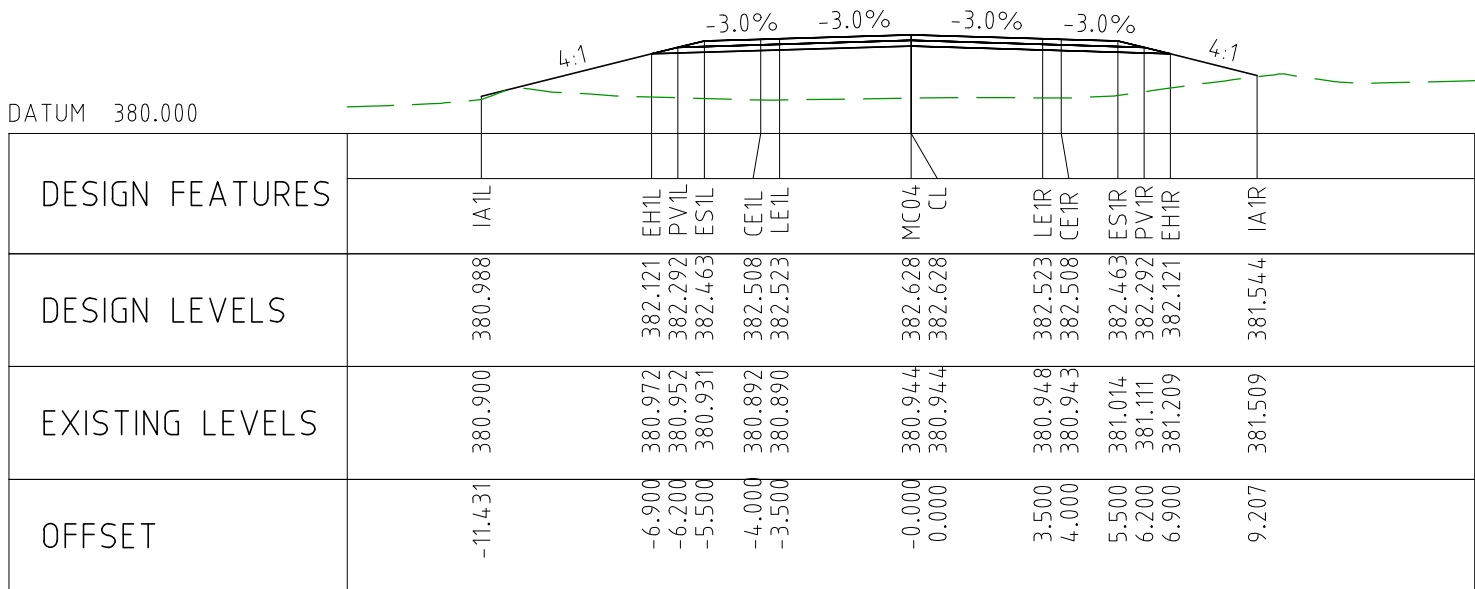
CHAINAGE 64300



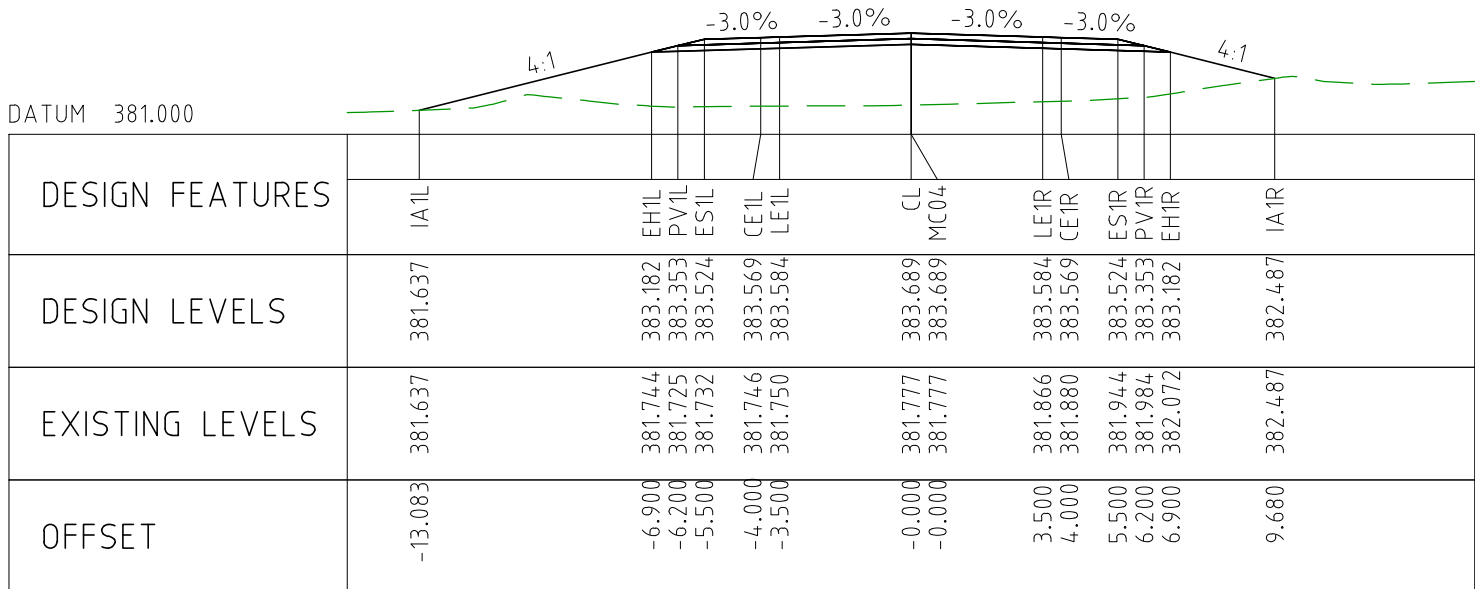
CHAINAGE 64250



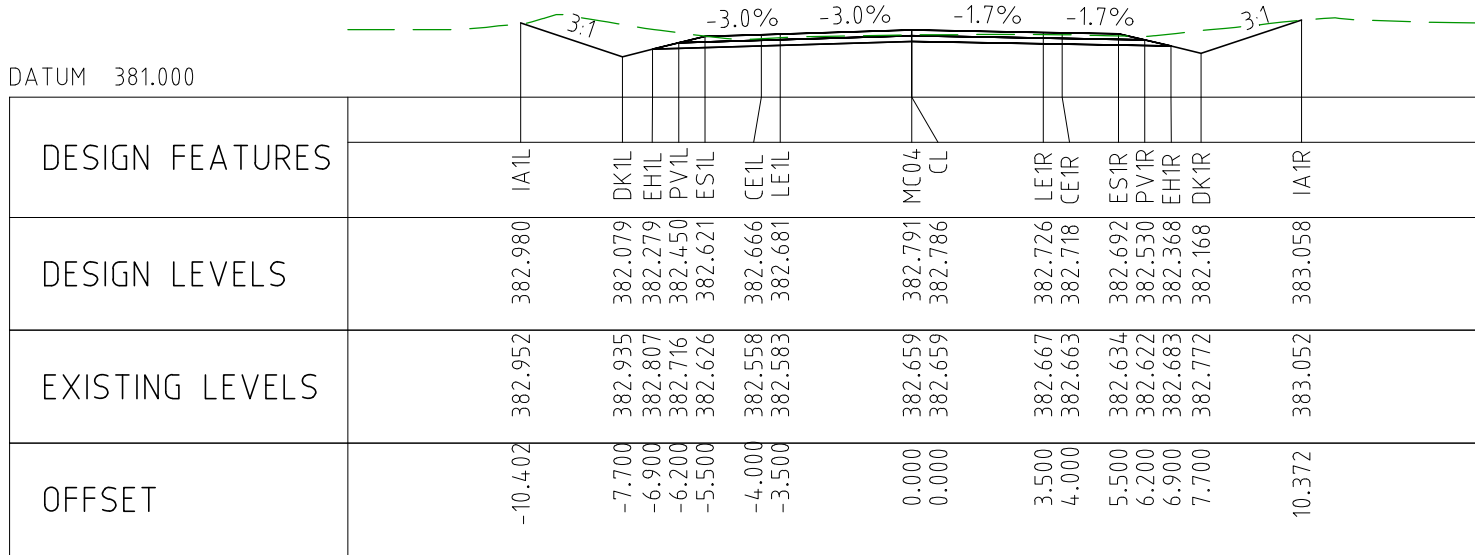
CHAINAGE 64200



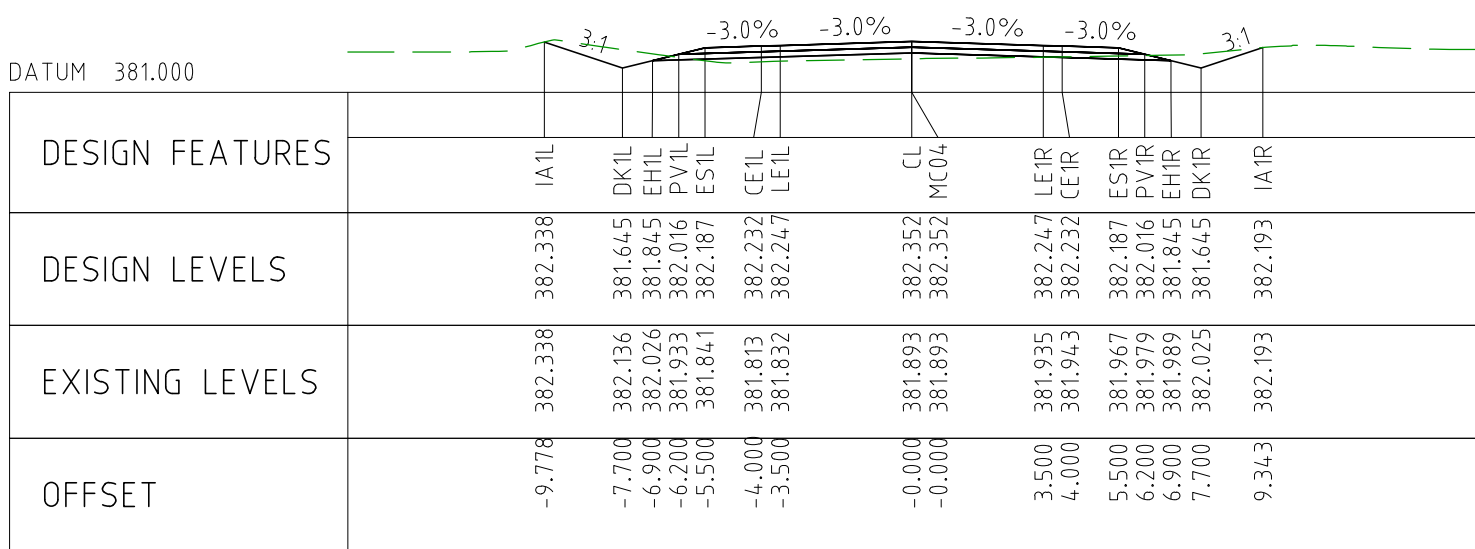
CHAINAGE 64150



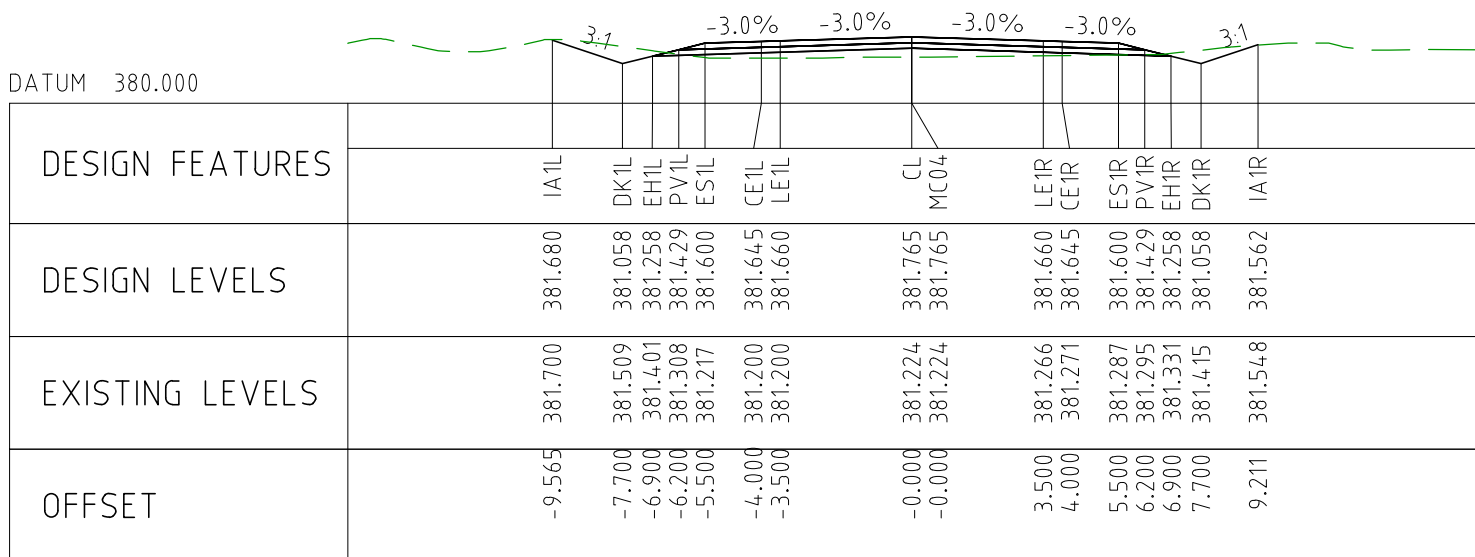
CHAINAGE 64100



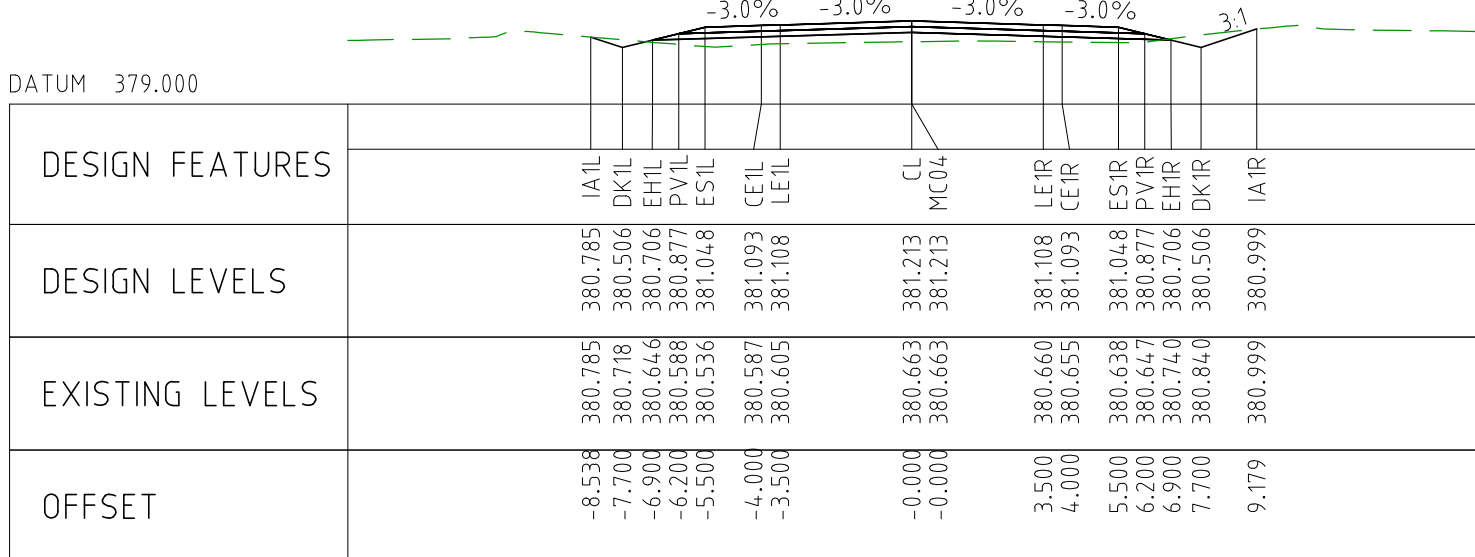
CHAINAGE 64550



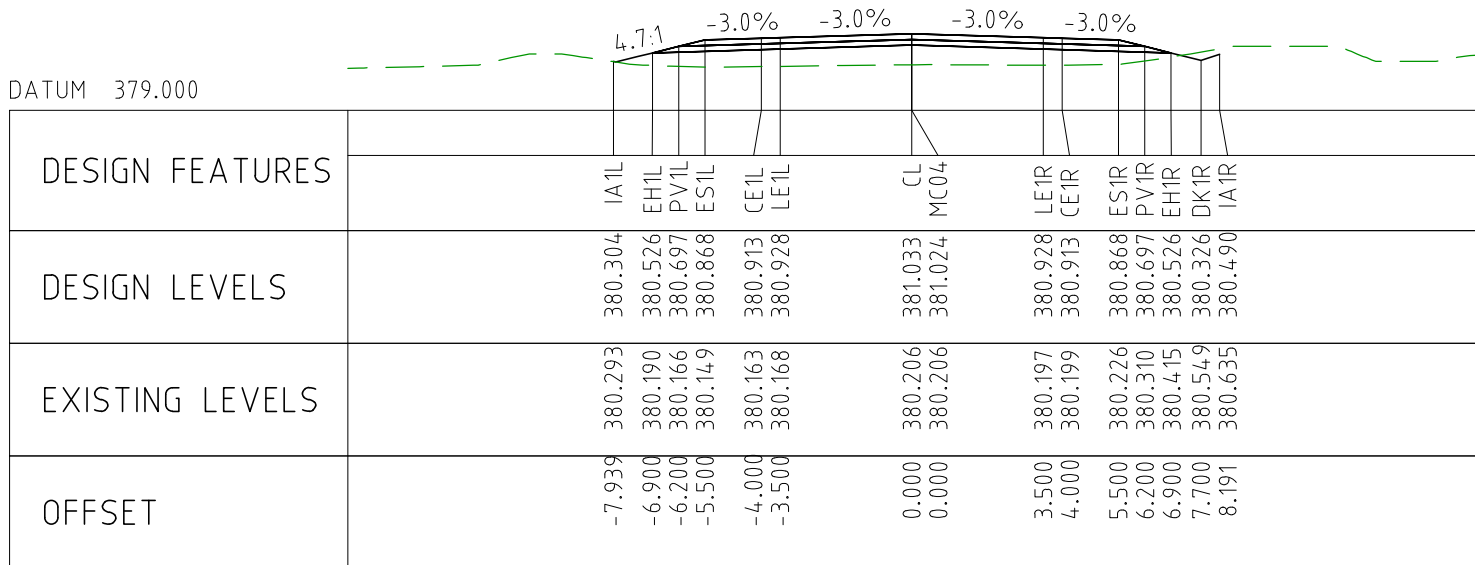
CHAINAGE 64500



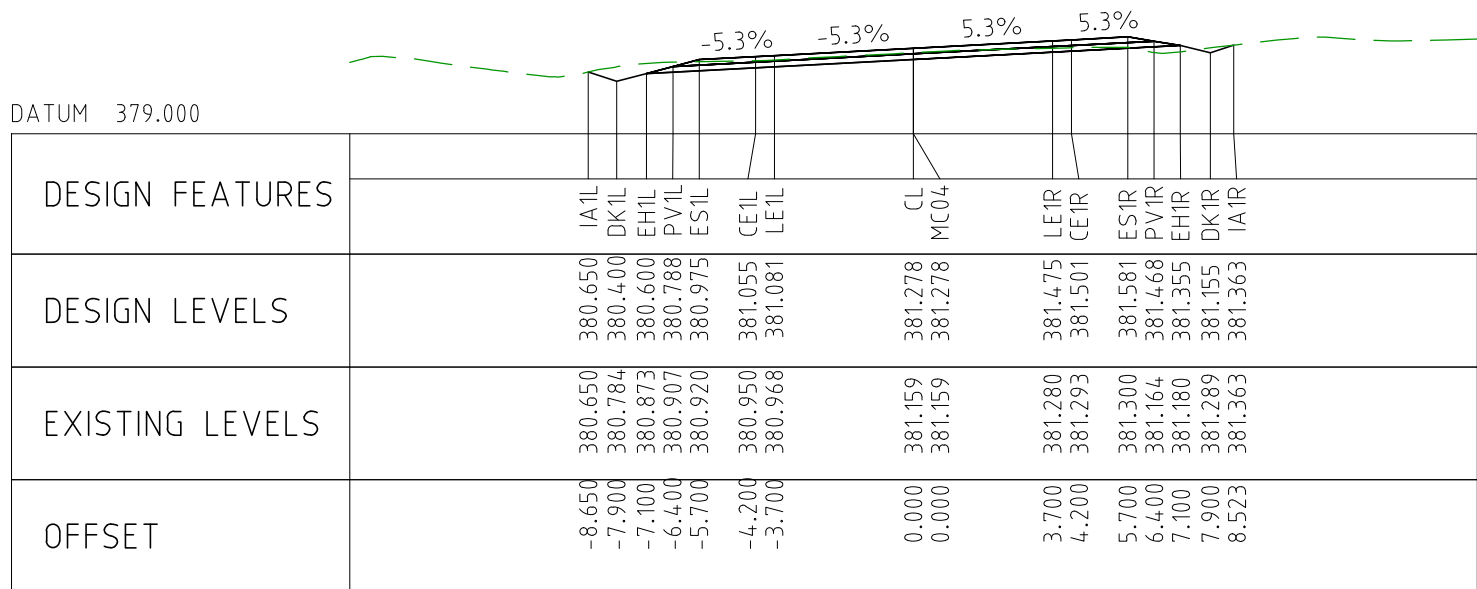
CHAINAGE 64450



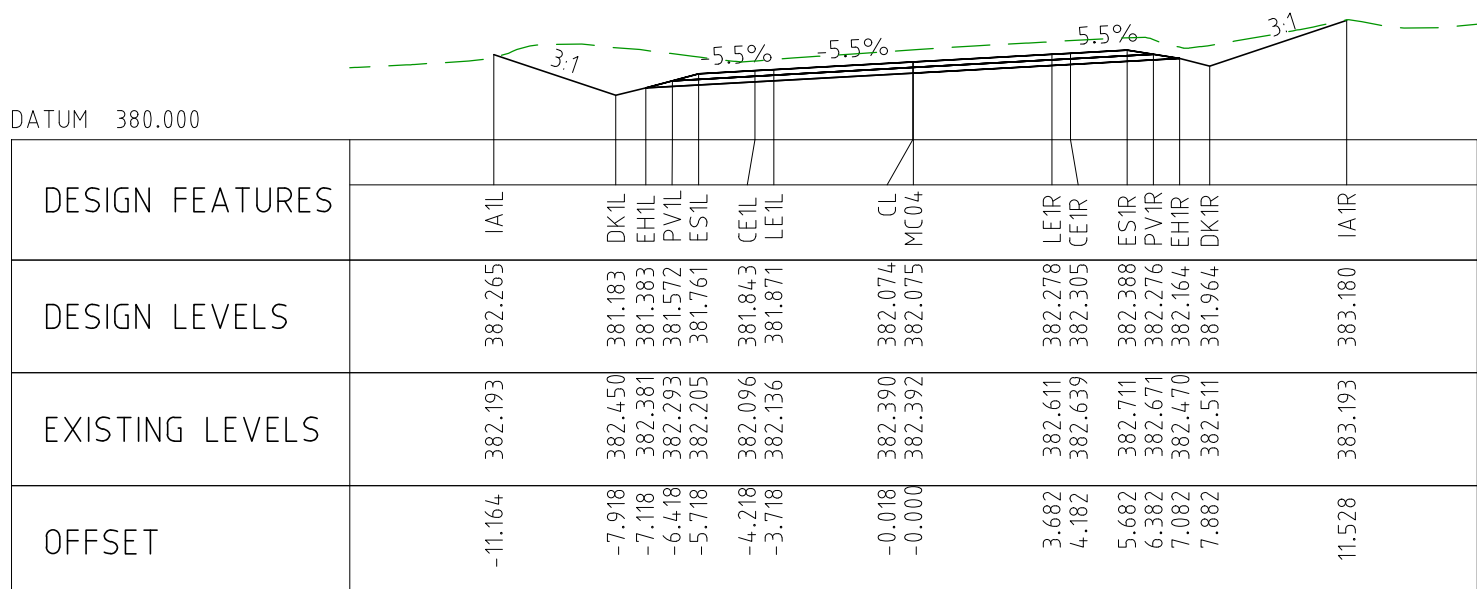
CHAINAGE 64400



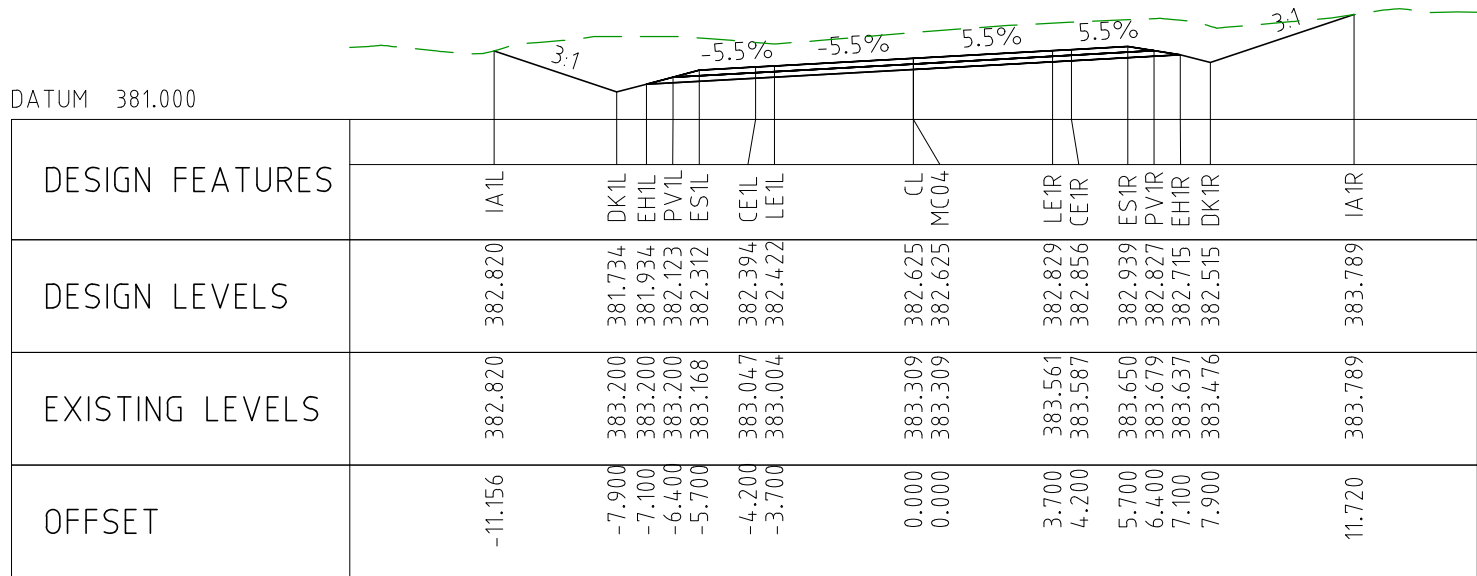
CHAINAGE 64350



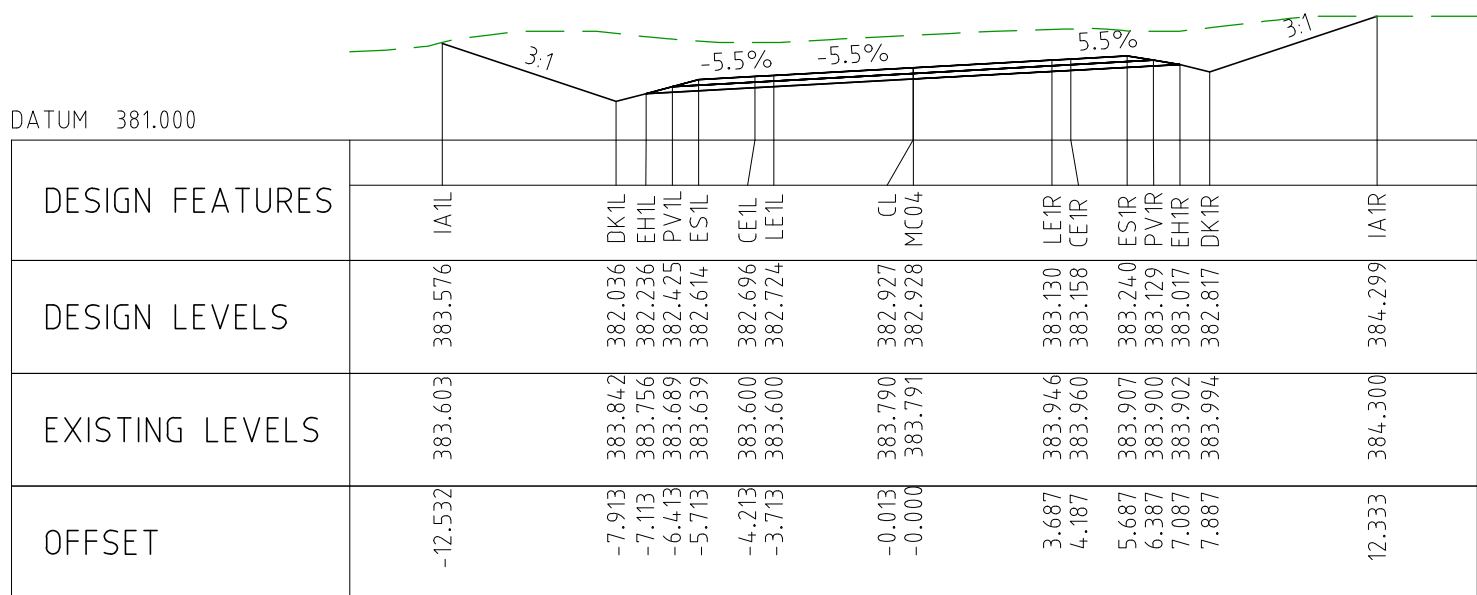
CHAINAGE 64800



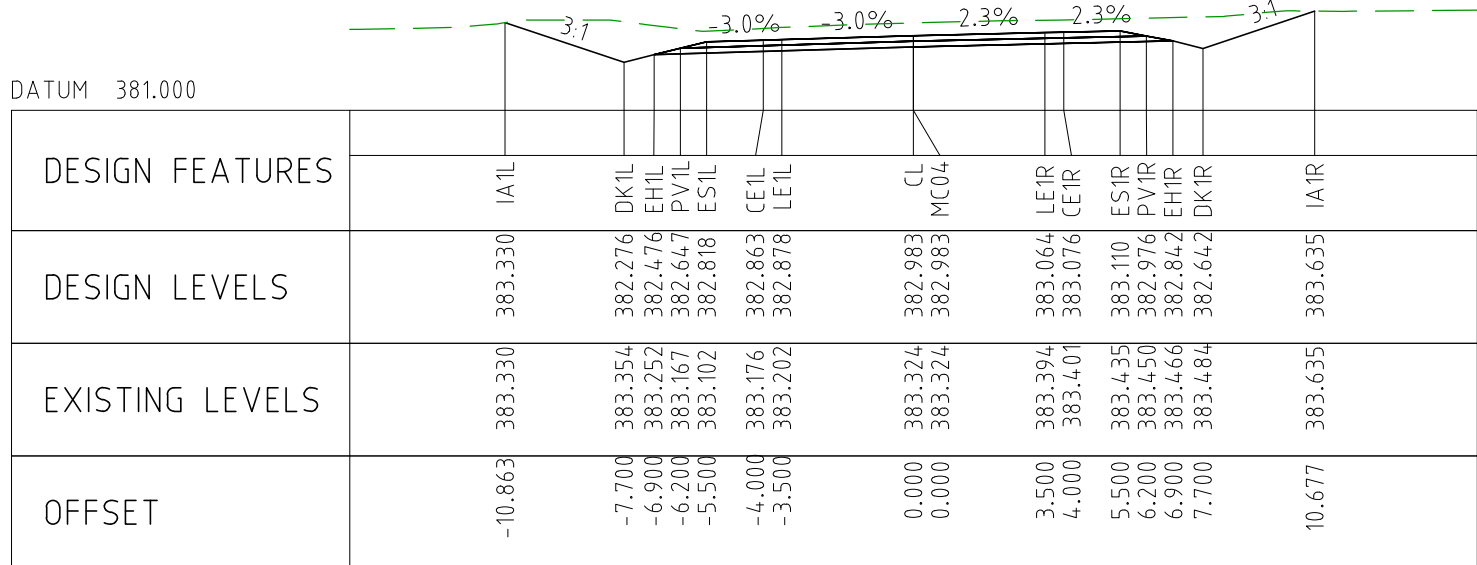
CHAINAGE 64750




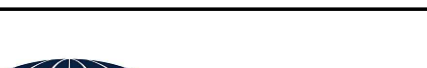

CHAINAGE 64700




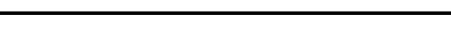

CHAINAGE 64650

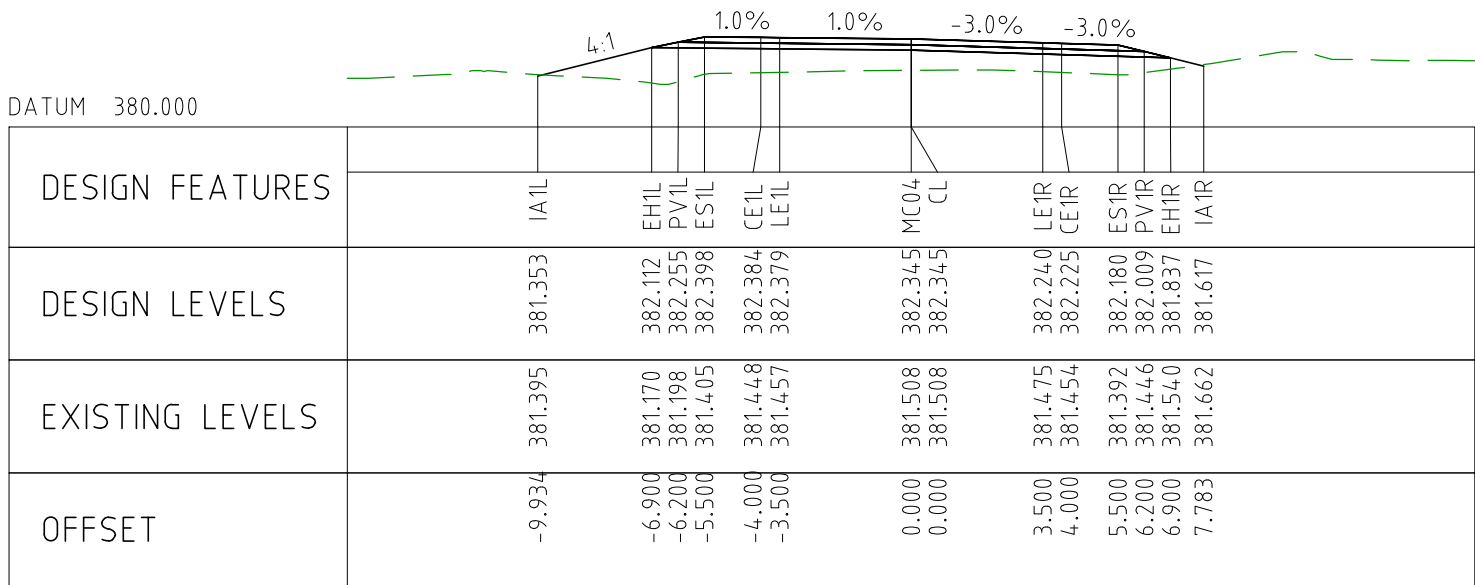


CHAINAGE 64600

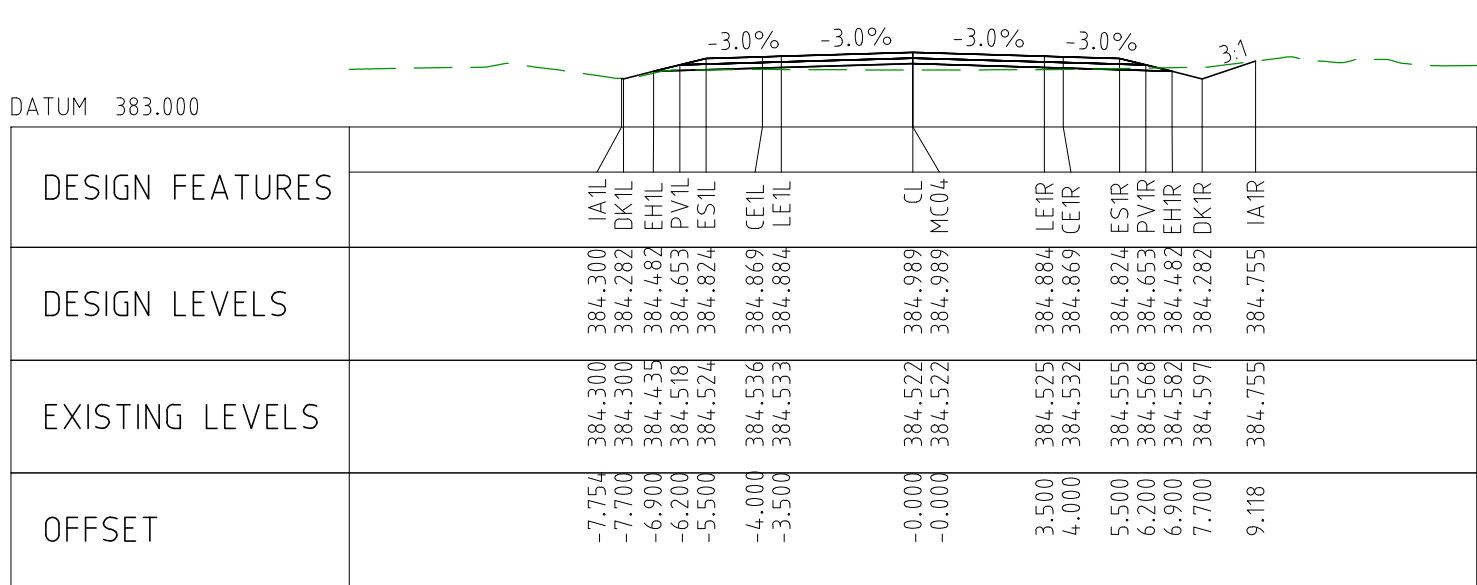
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS97.dwg					PLOT DATE 03 Nov 2022		TIME 16:27:21		CLIENT DOCUMENT No COV-M040-CI-DWG-0209		
EXTERNAL REFERENCE FILES	REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC04 SHEET 3 OF 72
						DRAFTER	JW		 Member of the Surbana Jurong Group (C) ABN 47 065 475 149		SCALE 1:200 DETAILED PROJECT / DRAWING No 3006493-XS97 REVISION 0
					DRAFTING CHECK	TM					
					DESIGNER	DG					
					DESIGN CHECK	TM					
					PROJECT MANAGER	DM					
					PROJECT DIRECTOR	RI			SMEC PROJECT No 3006493		



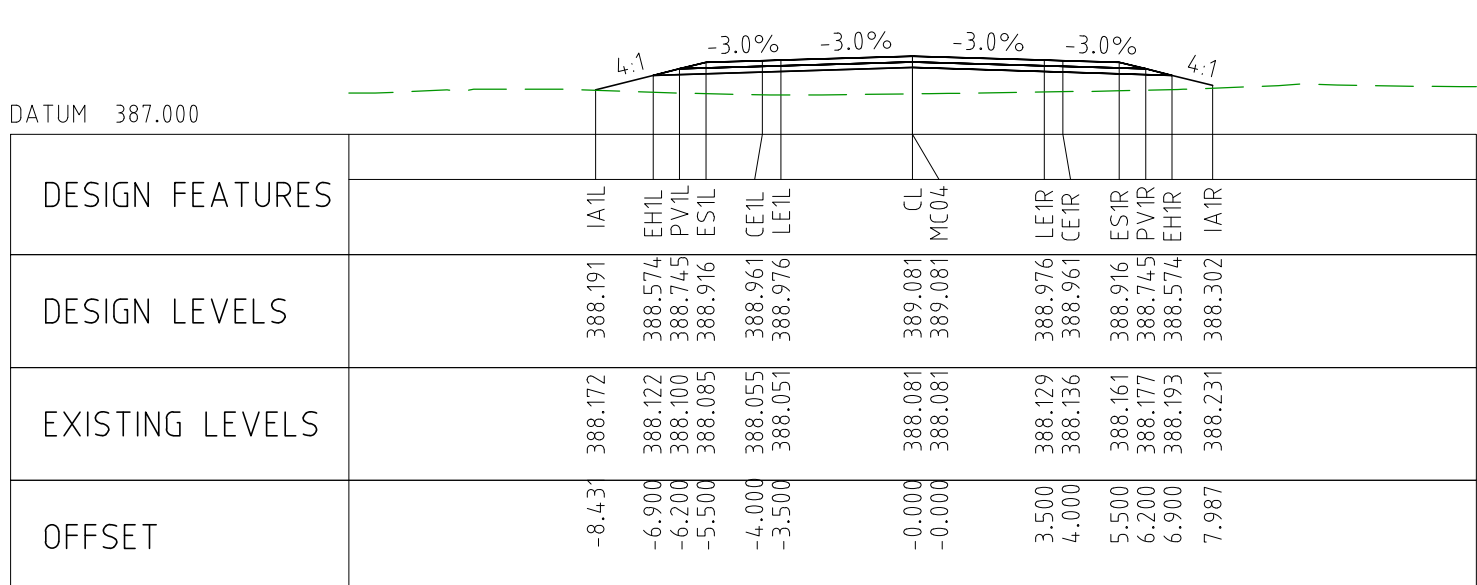
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS98.dwg					PLOT DATE 03 Nov 2022		TIME 16:28:19		CLIENT DOCUMENT NO COV-M040-CI-DWG-0210						
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW	SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC04 SHEET 4 OF 72		
							DRAFTING CHECK	FM							
							DESIGNER	DC							
							DESIGN CHECK	FM							
							PROJECT MANAGER	DM							
							PROJECT DIRECTOR	RJ				SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS98	REVISION 0



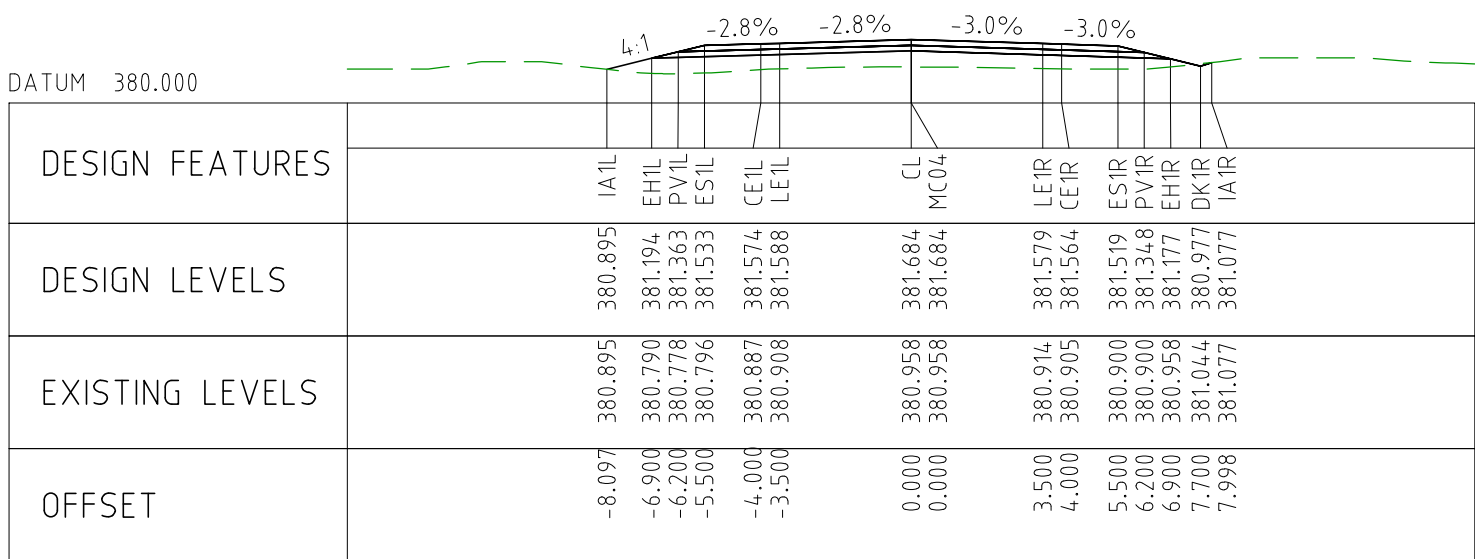
CHAINAGE 66550



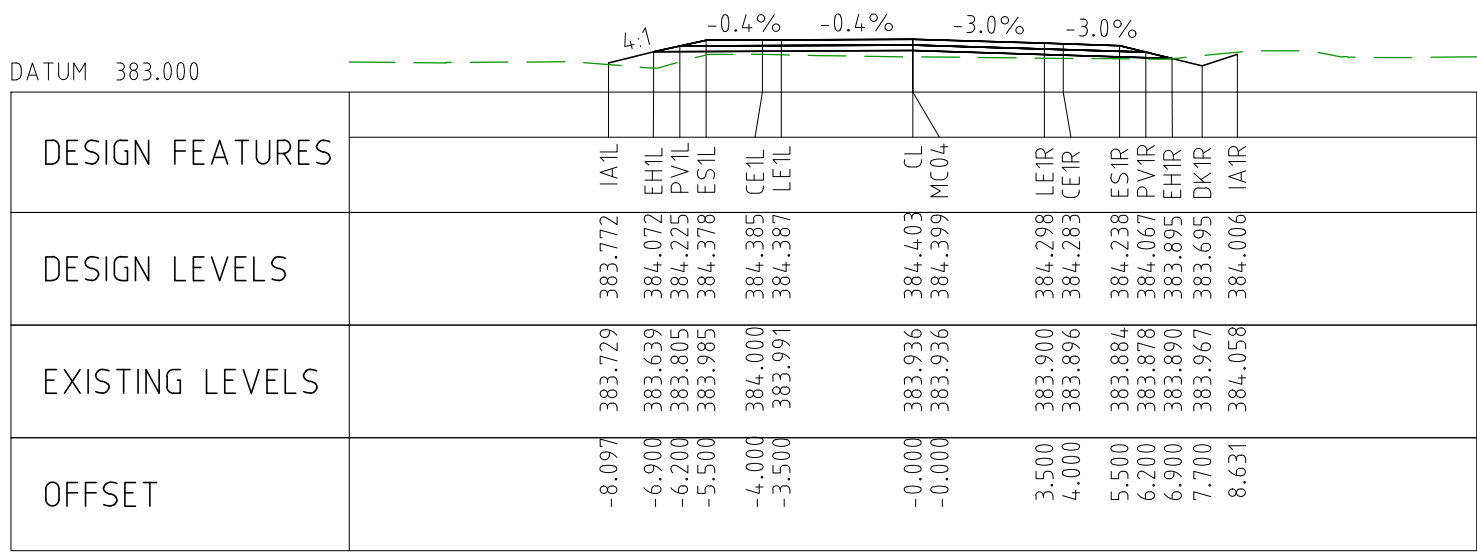
CHAINAGE 66800



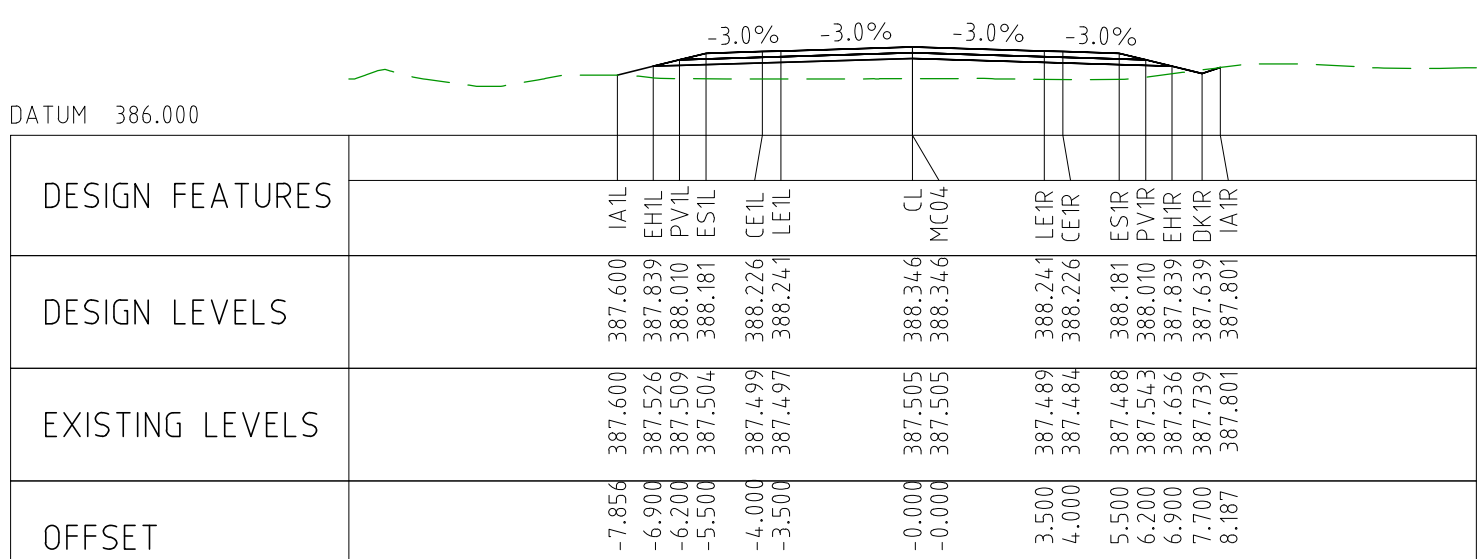
CHAINAGE 67050



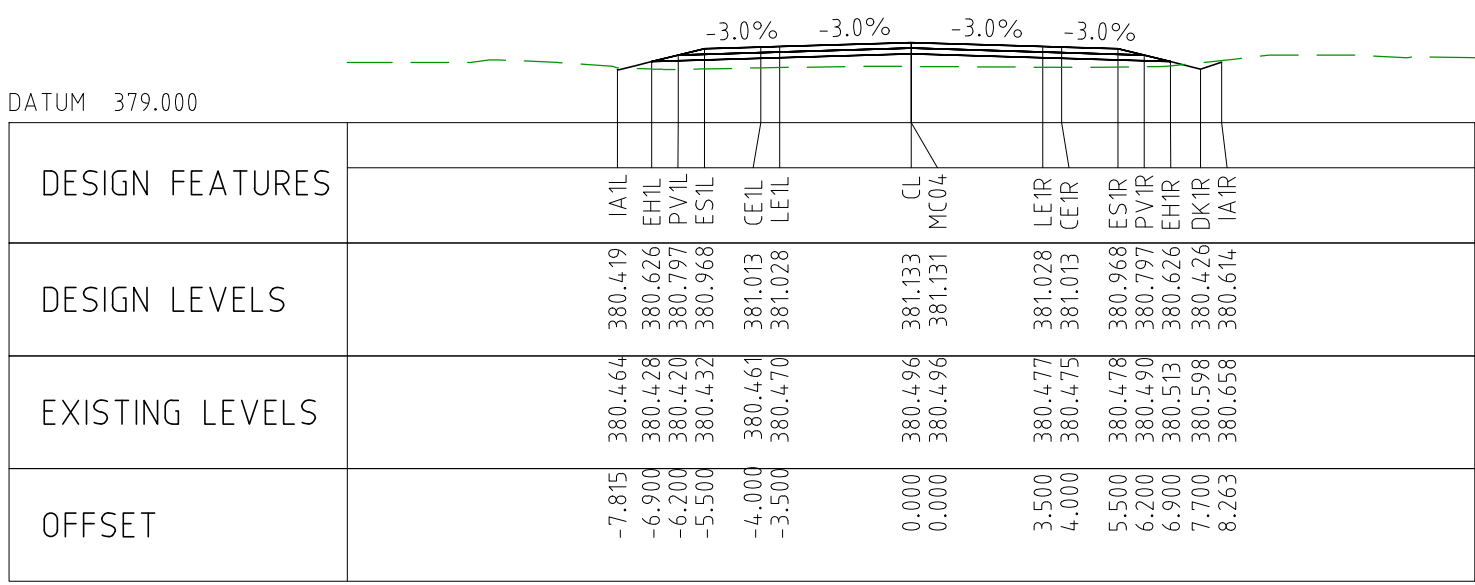
CHAINAGE 66500



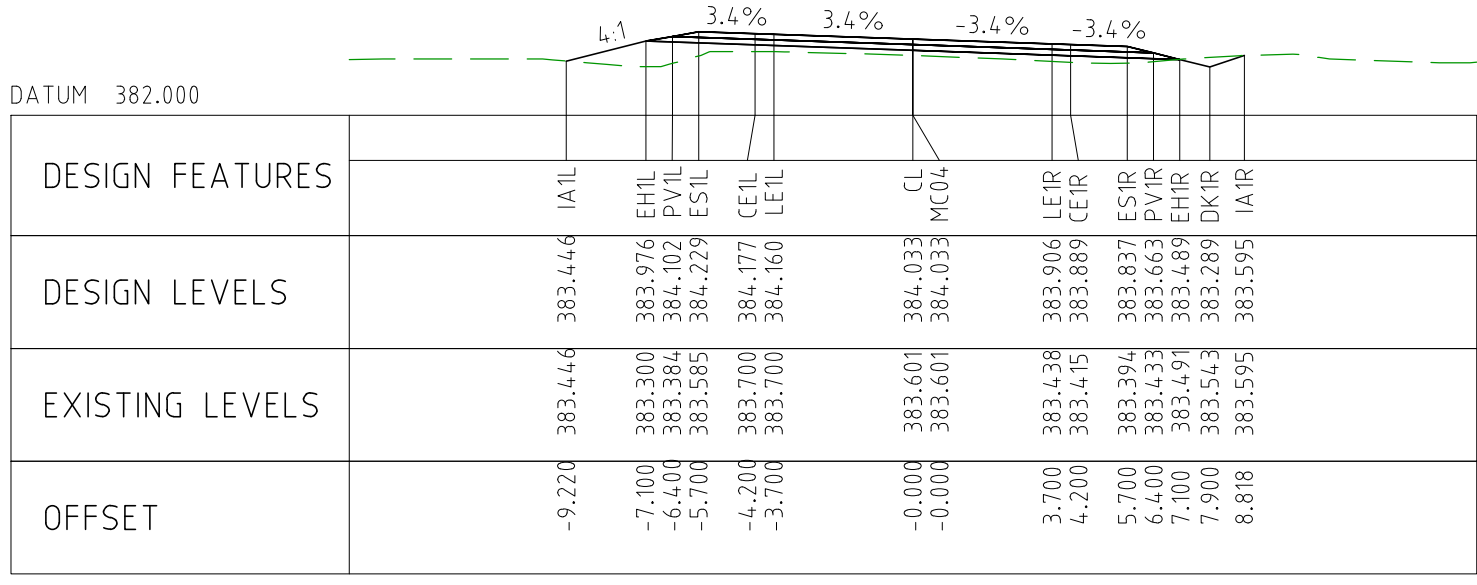
CHAINAGE 66750



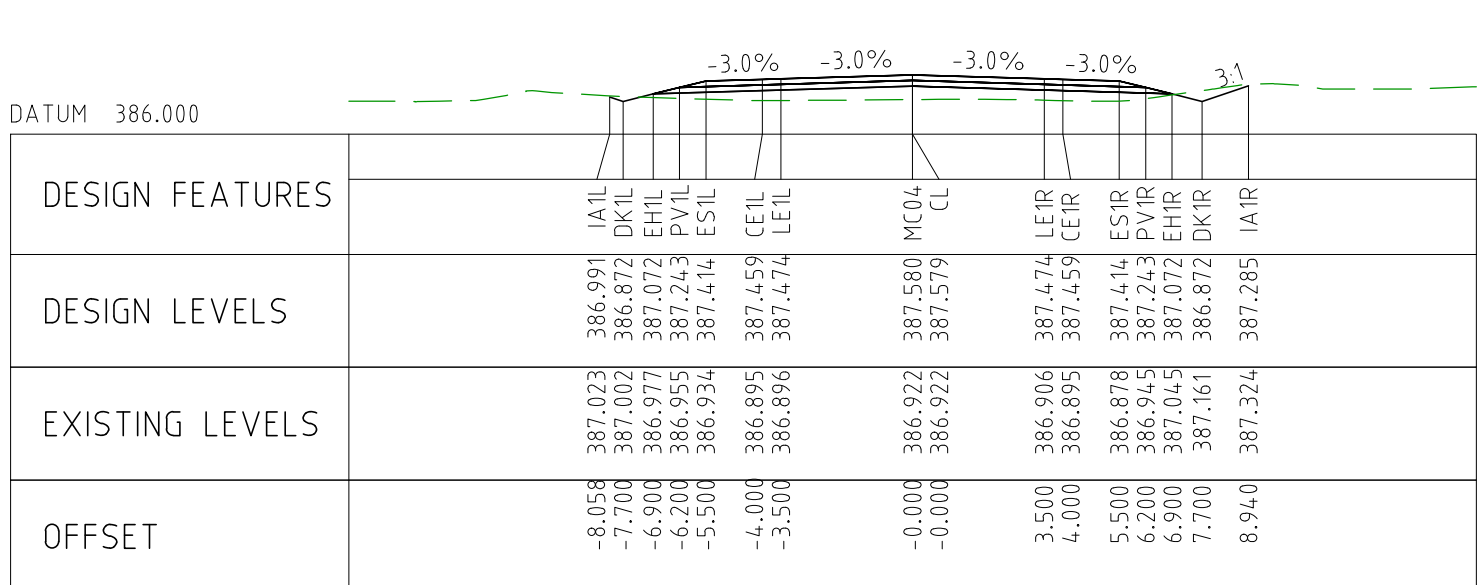
CHAINAGE 67000



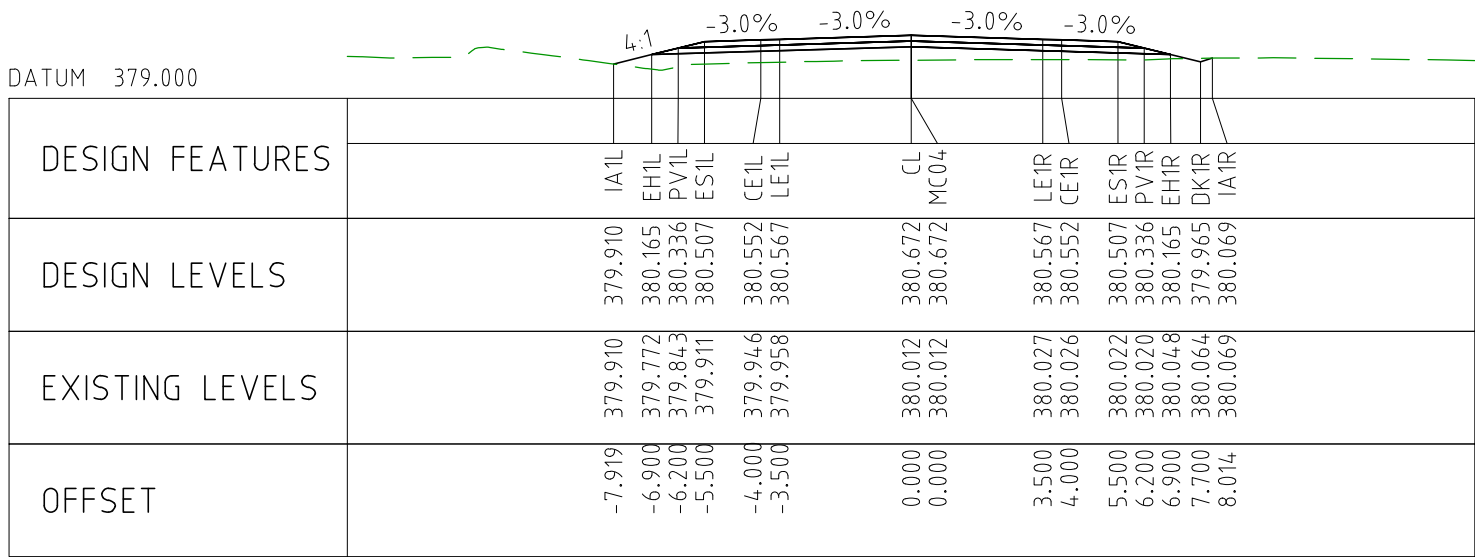
CHAINAGE 66450



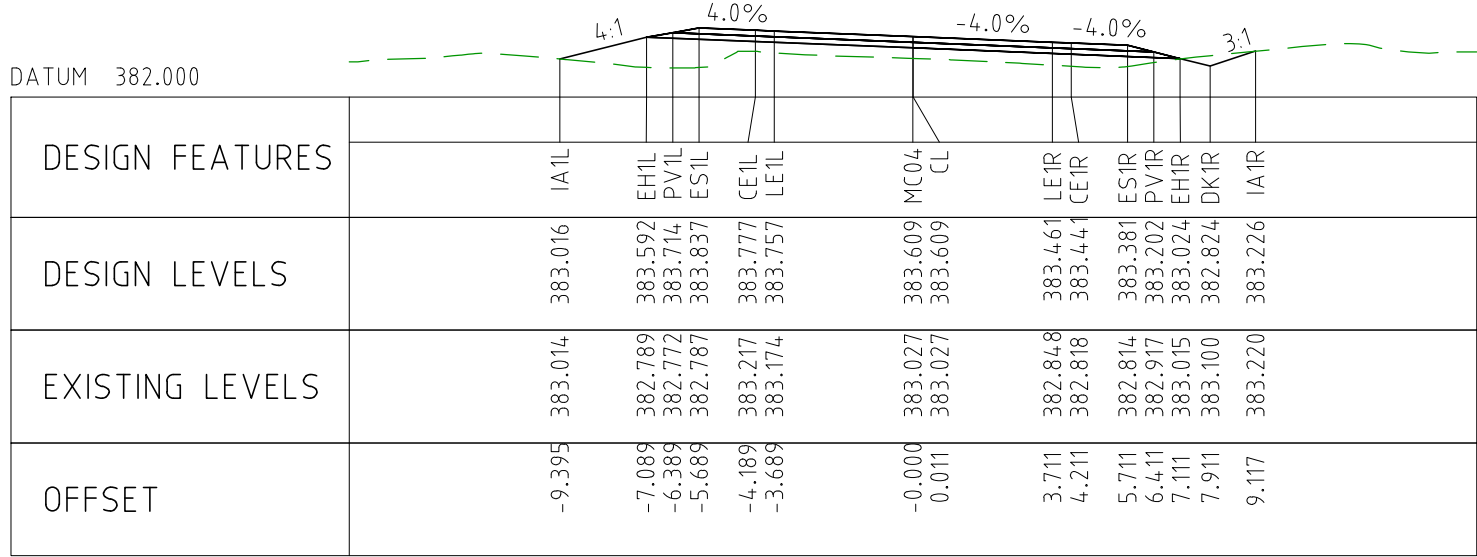
CHAINAGE 66700



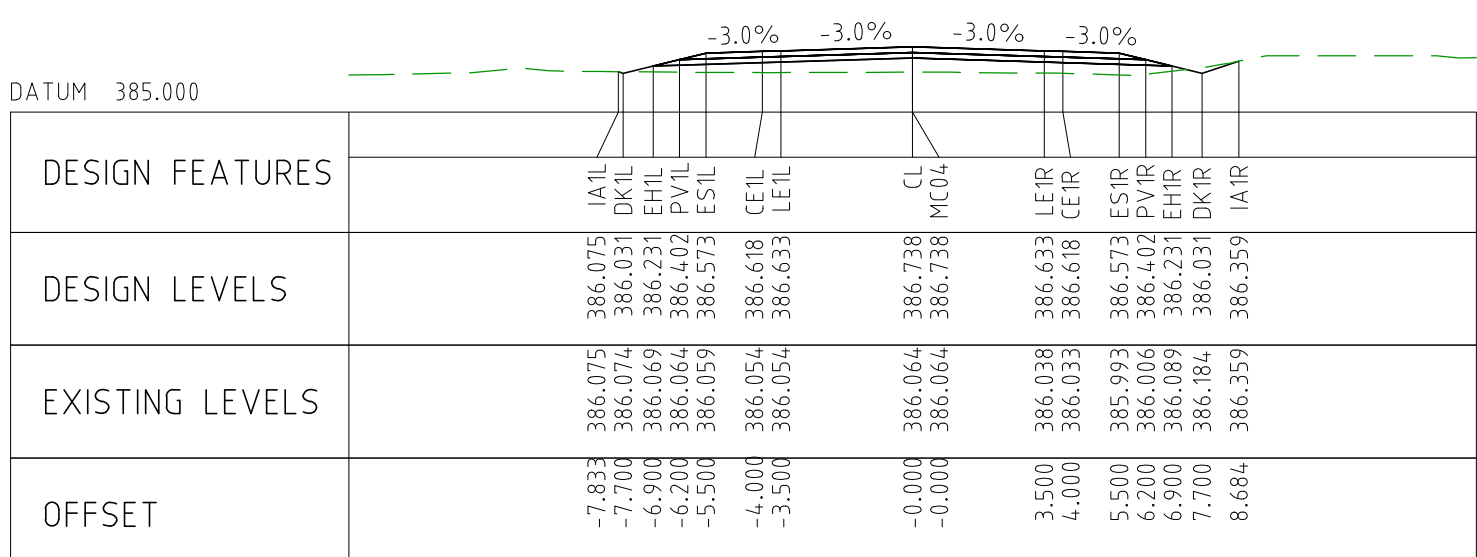
CHAINAGE 66950



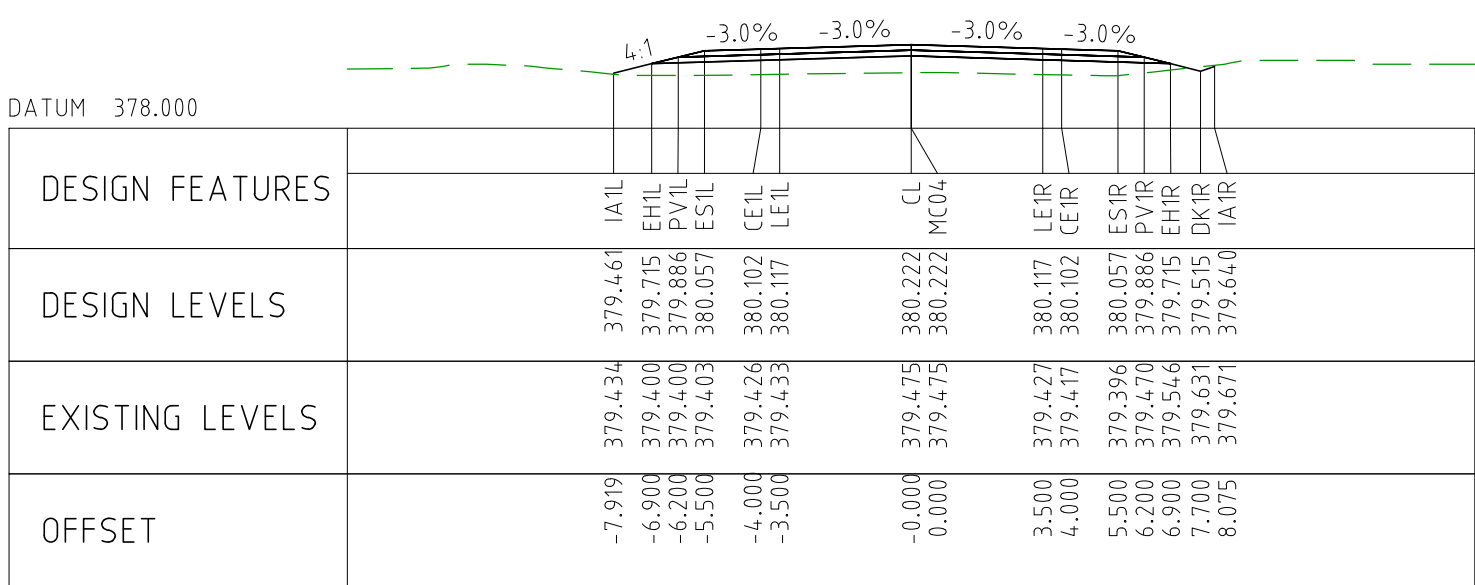
CHAINAGE 66400



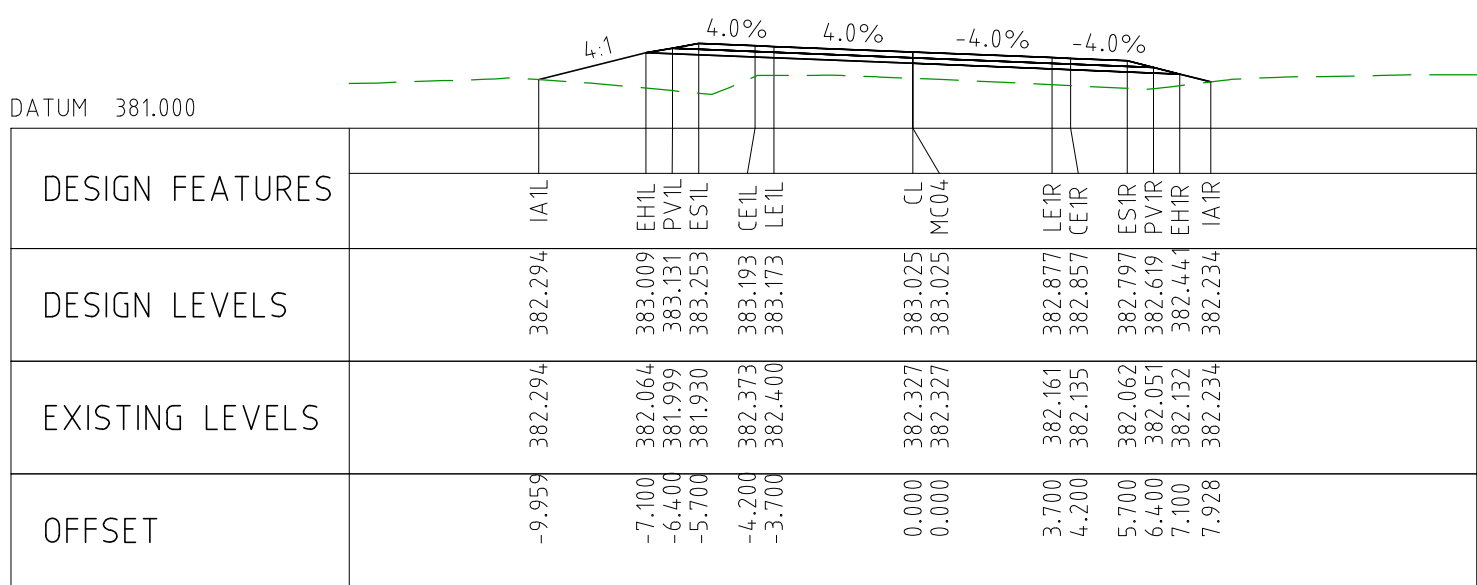
CHAINAGE 66650



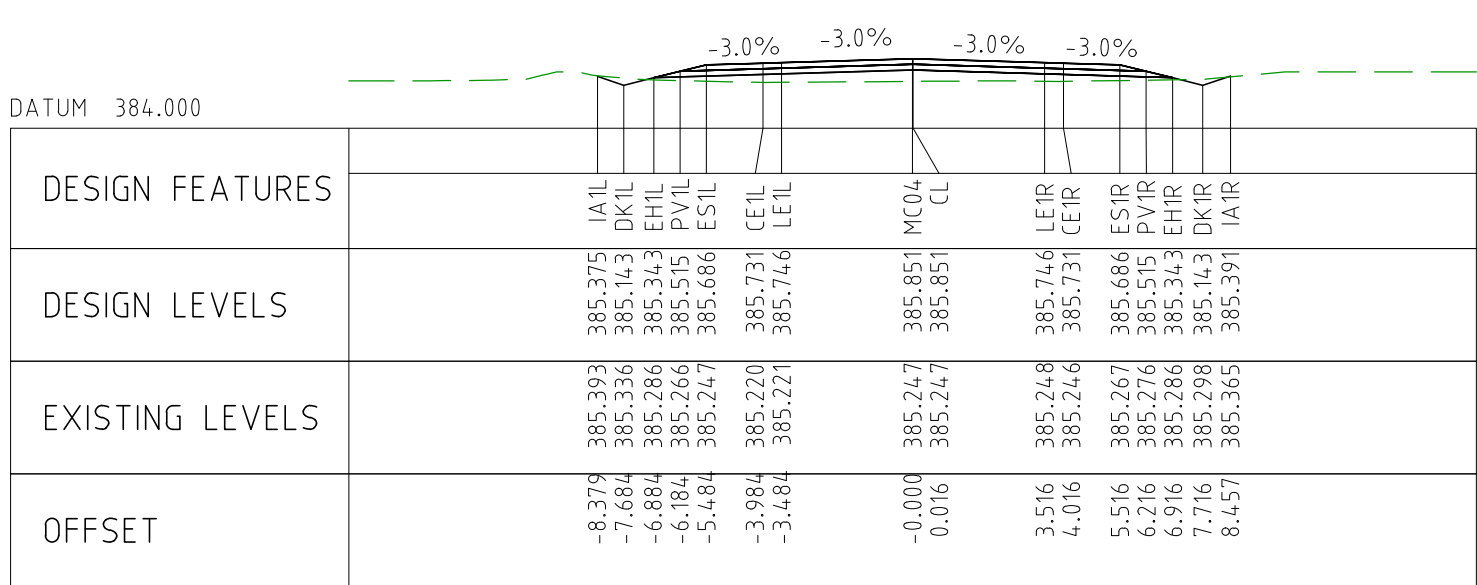
CHAINAGE 66900



CHAINAGE 66350


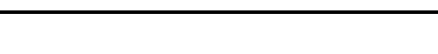



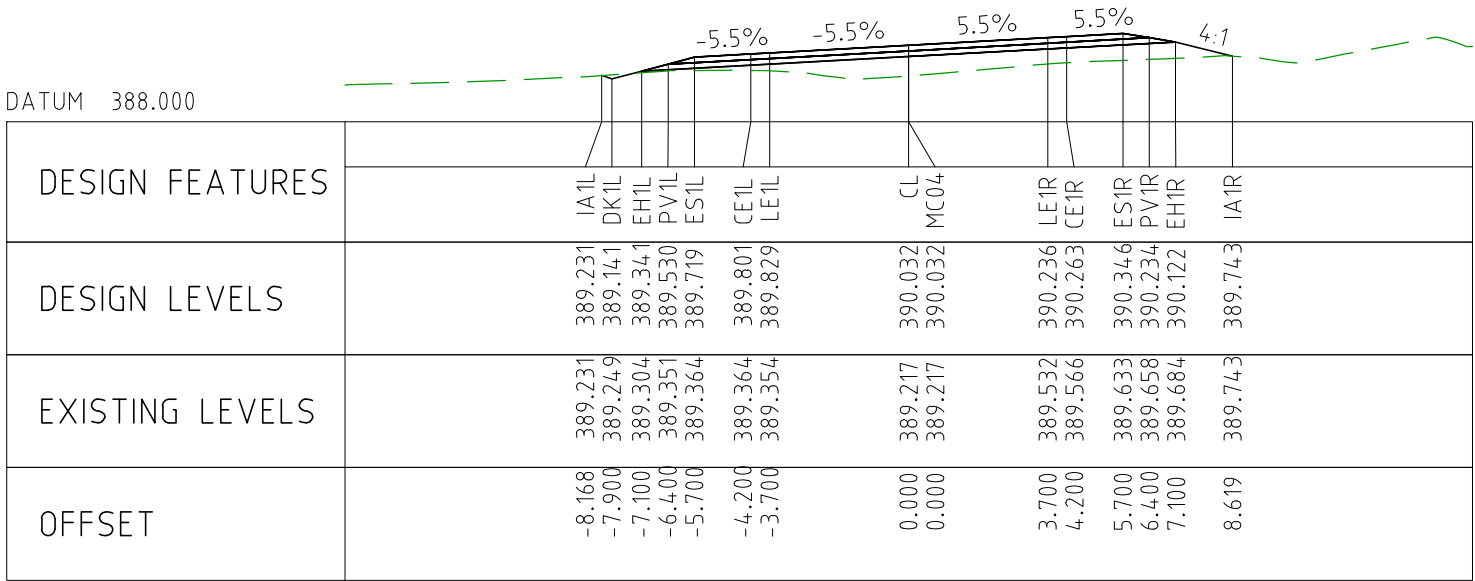
CHAINAGE 66600



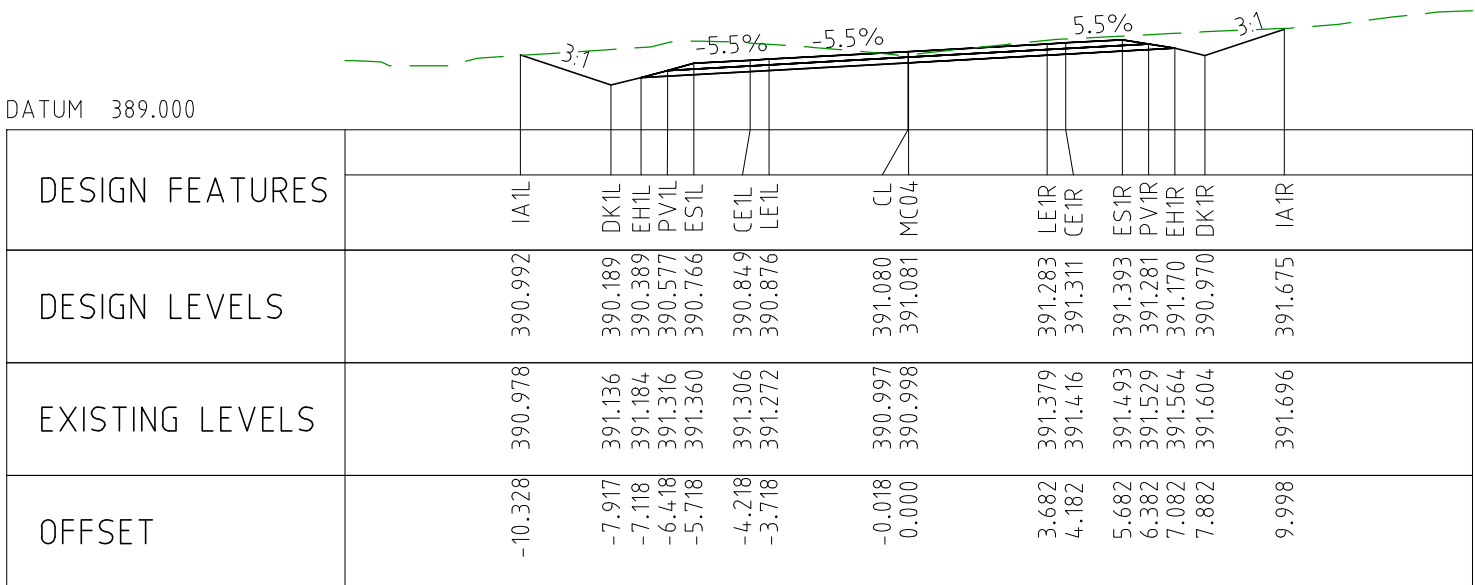
CHAINAGE 66850



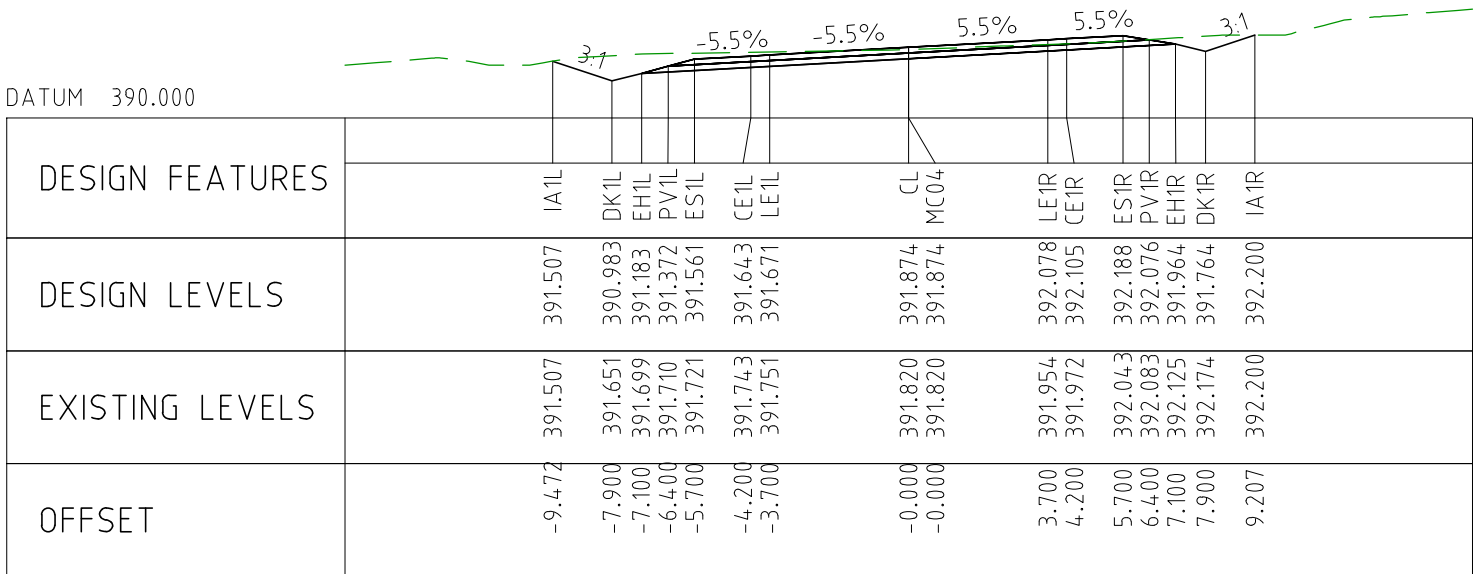
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS102.dwg					PLOT DATE 03 Nov 2022		TIME 16:32:13		CLIENT DOCUMENT No COV-M040-CI-DWG-0214							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No. 003	APPROVAL NM	TITLE DRAFTER JW	SCALES AT A1 SIZE DRAWING SCALE 1:200 	 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC04 SHEET 8 OF 72					
							DRAFTING CHECK TM						SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No. 3006493-XS102	REVISION 0
							DESIGNER DG									
							DESIGN CHECK TM									
							PROJECT MANAGER DM									
							PROJECT DIRECTOR RI									



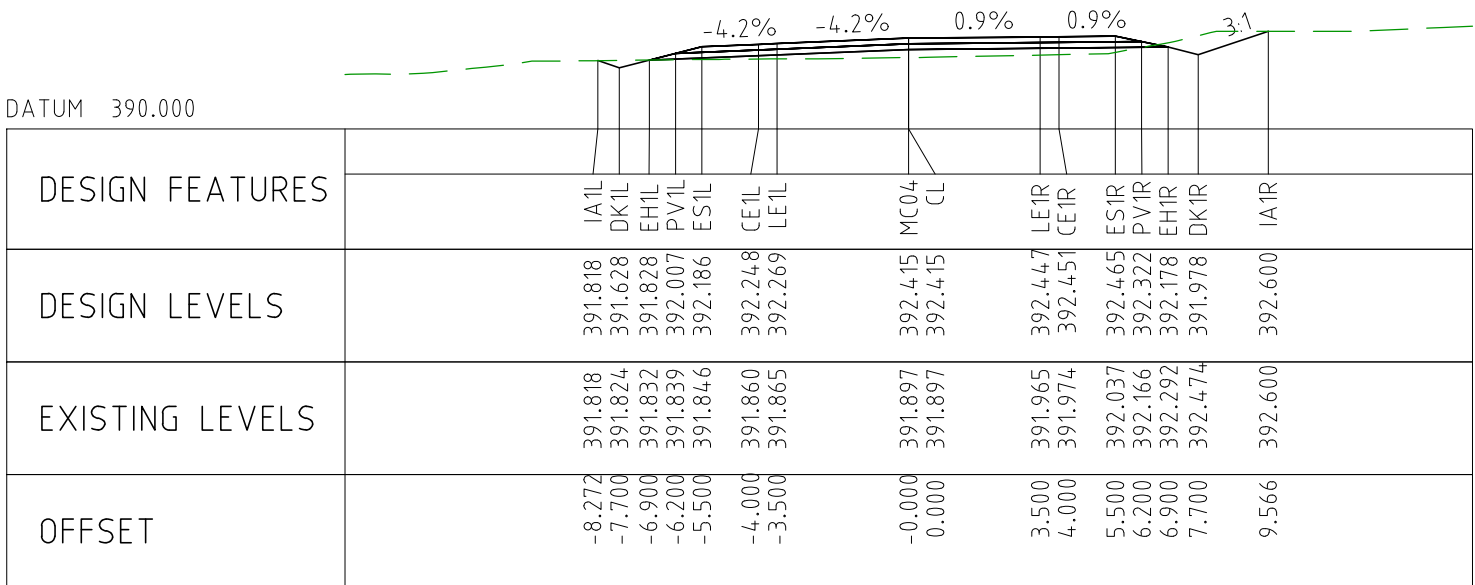
CHAINAGE 68700



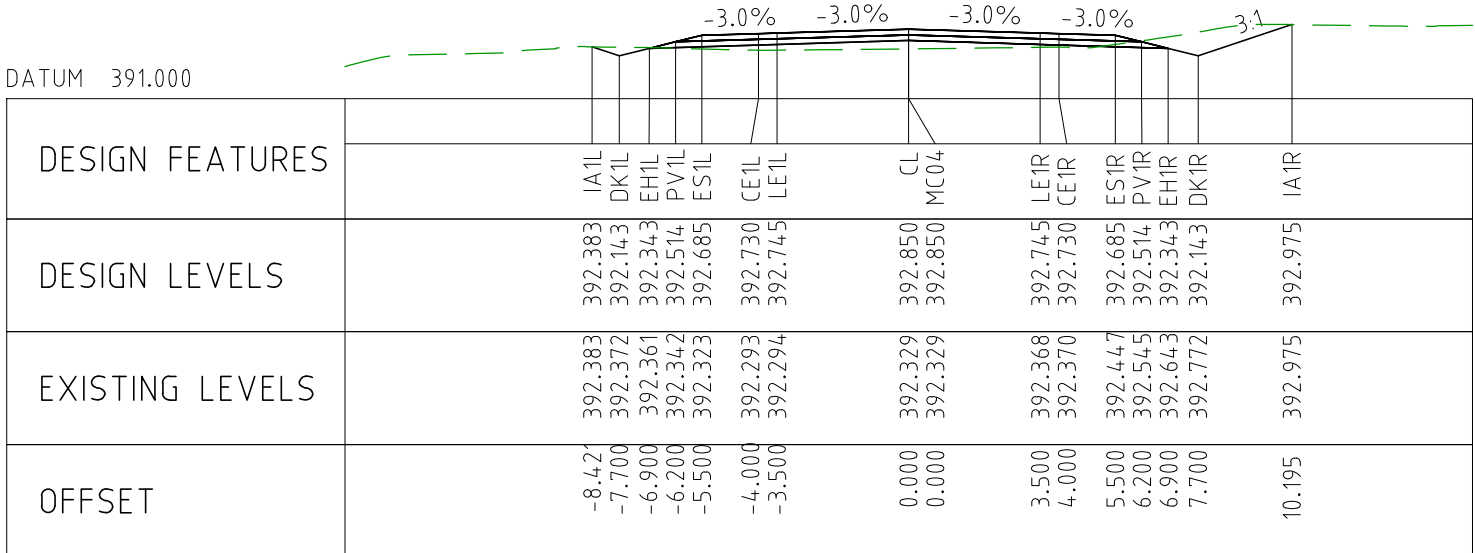
CHAINAGE 68650



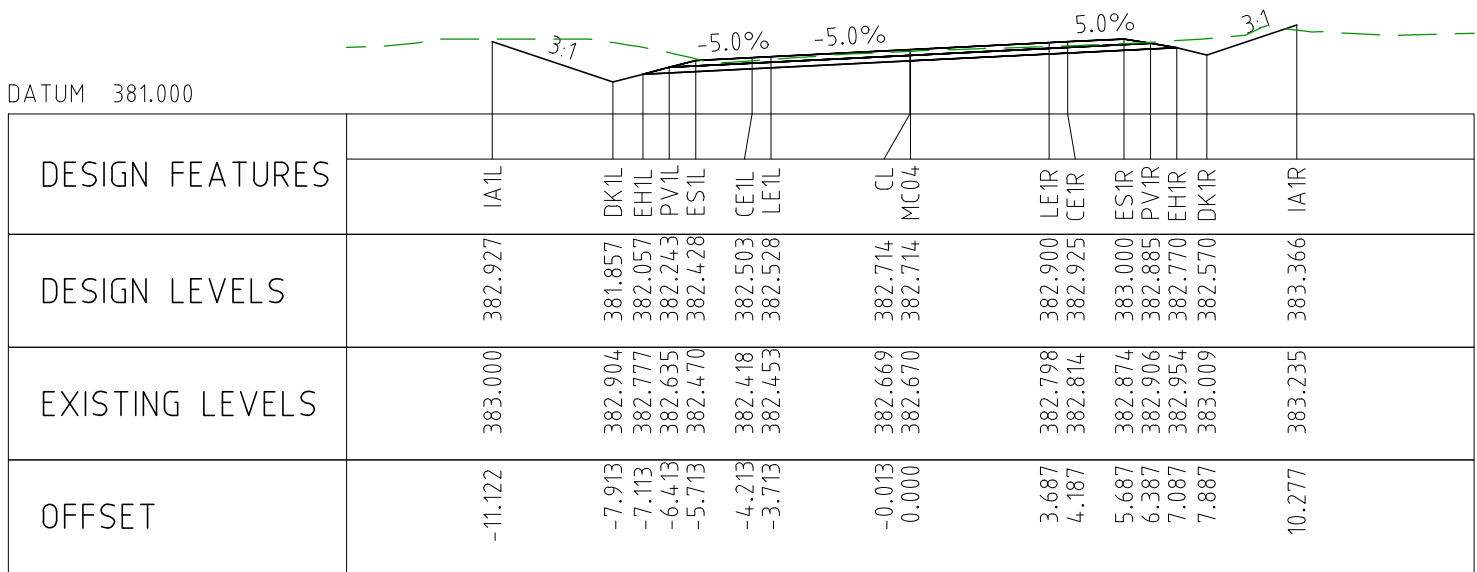
CHAINAGE 68600



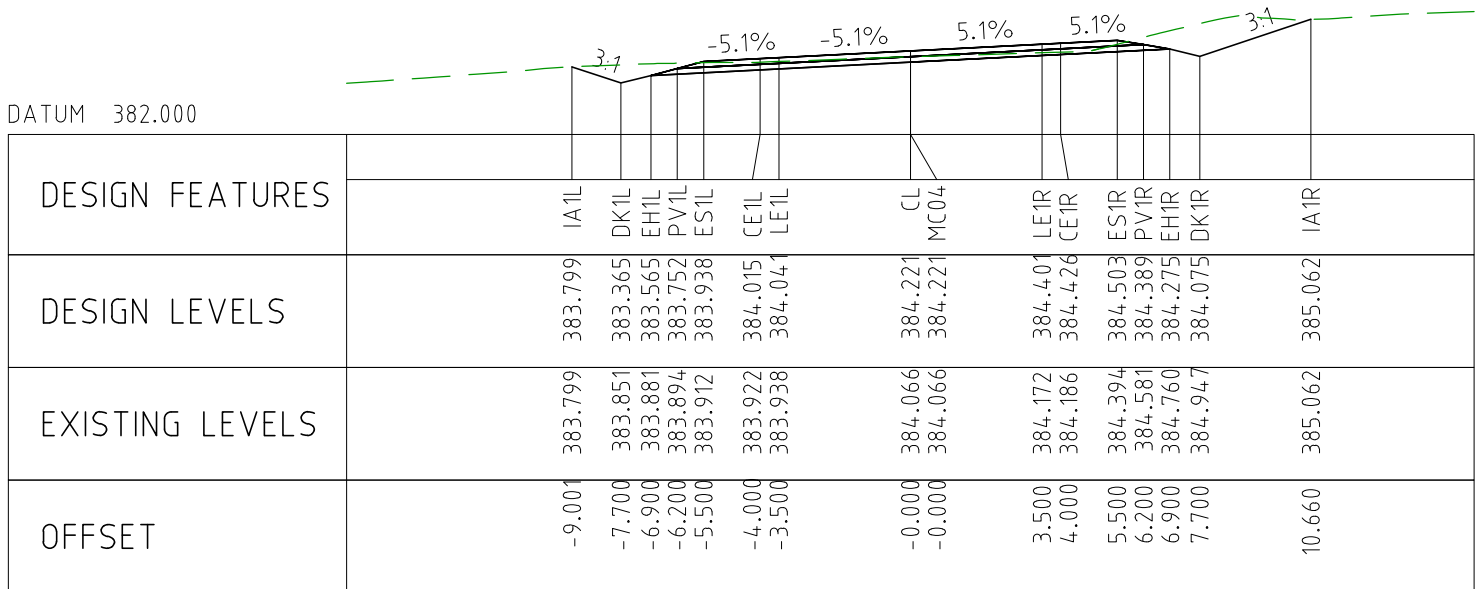
CHAINAGE 68550



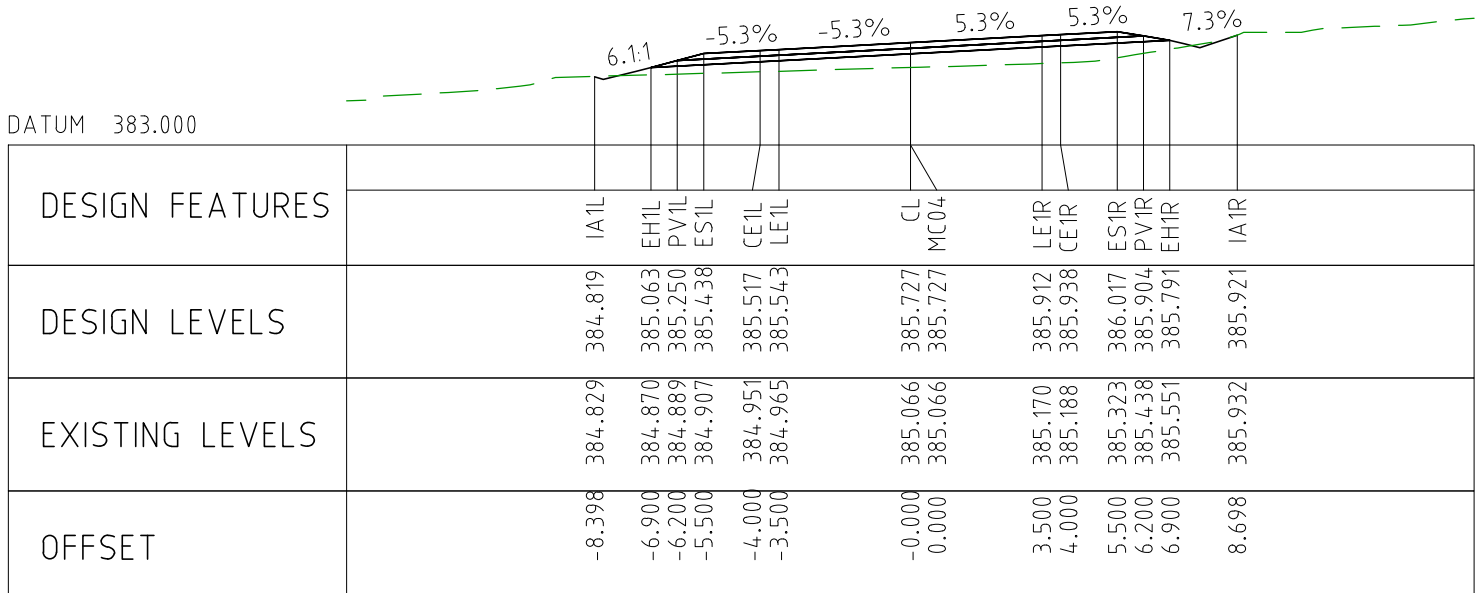
CHAINAGE 68500



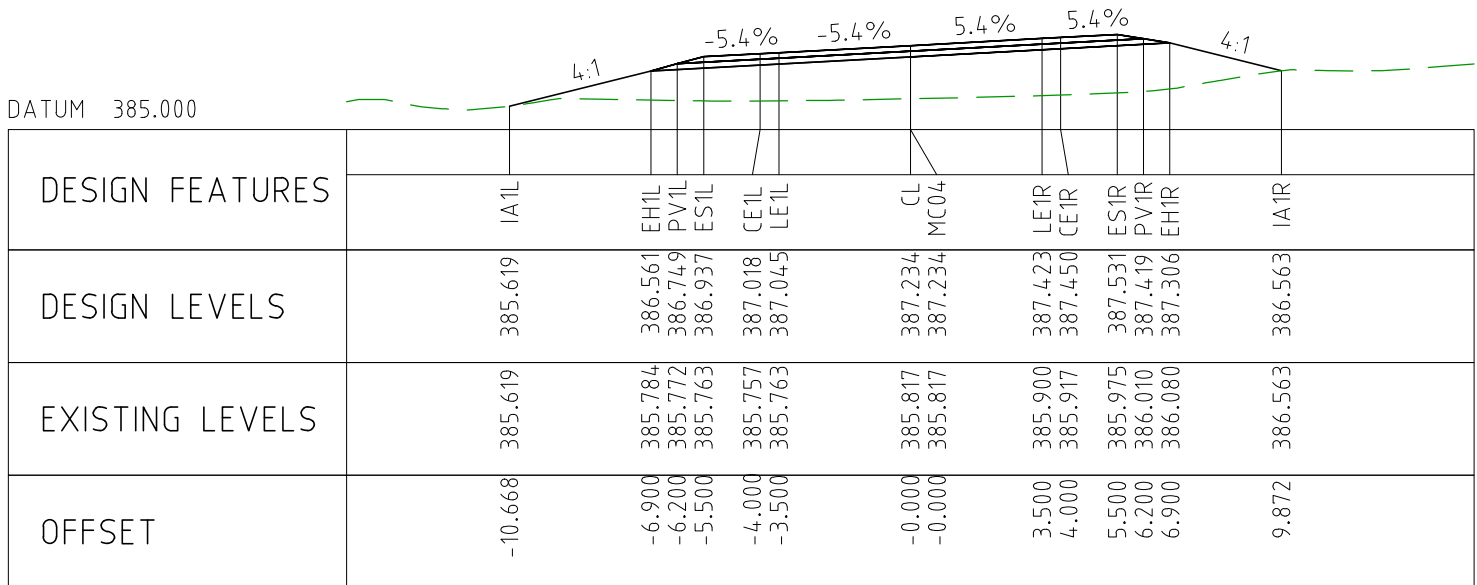
CHAINAGE 68950



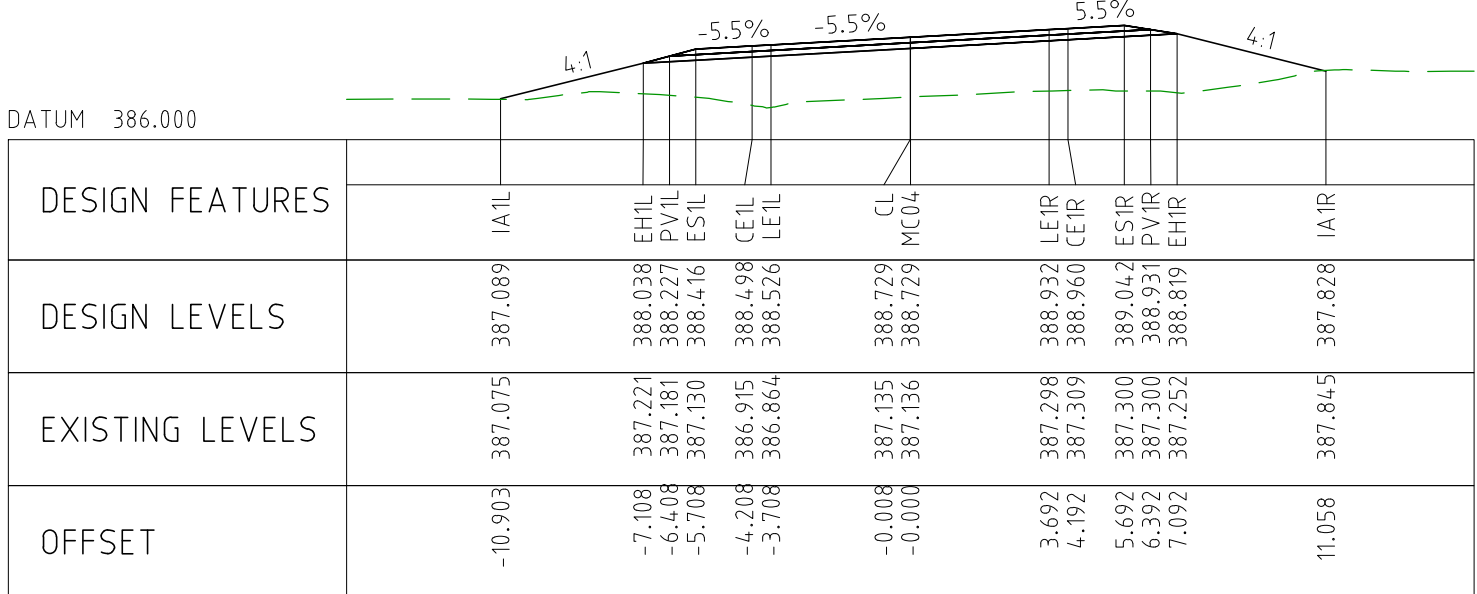
CHAINAGE 68900



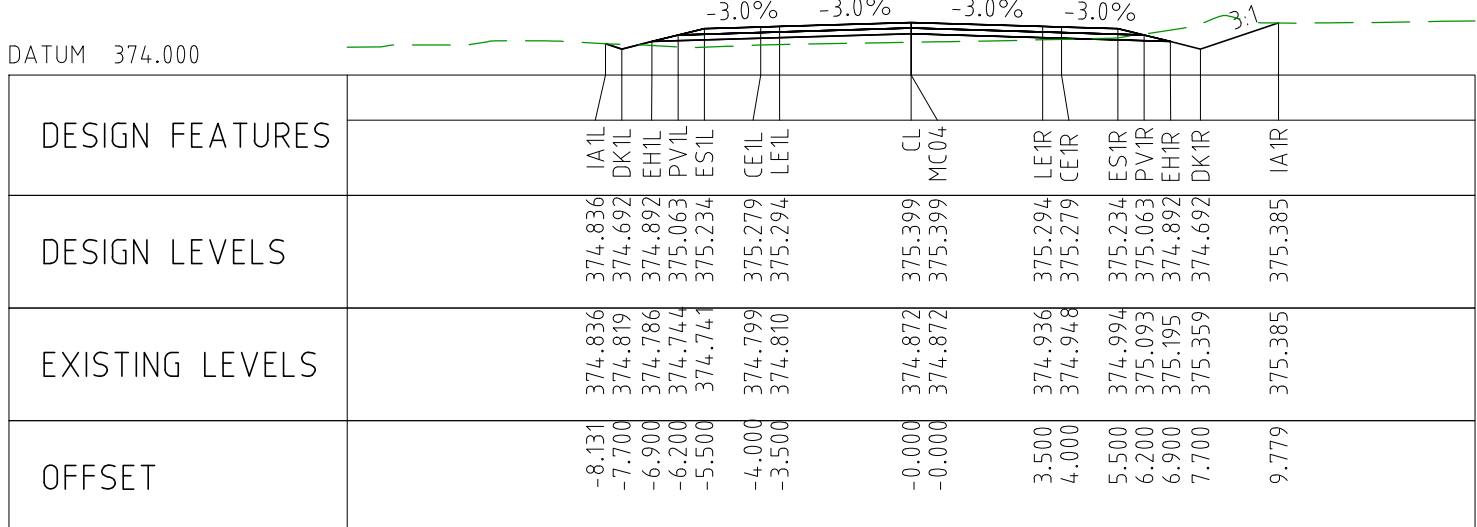
CHAINAGE 68850



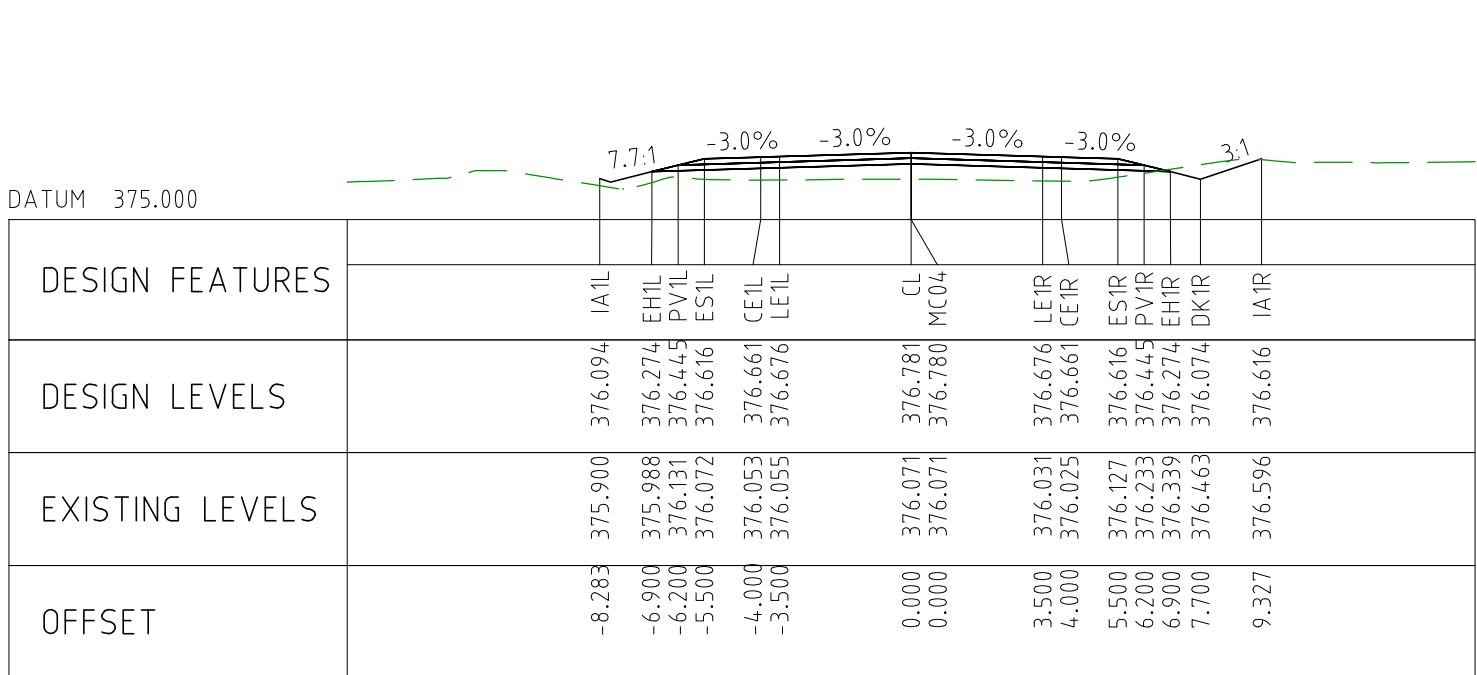
CHAINAGE 68800



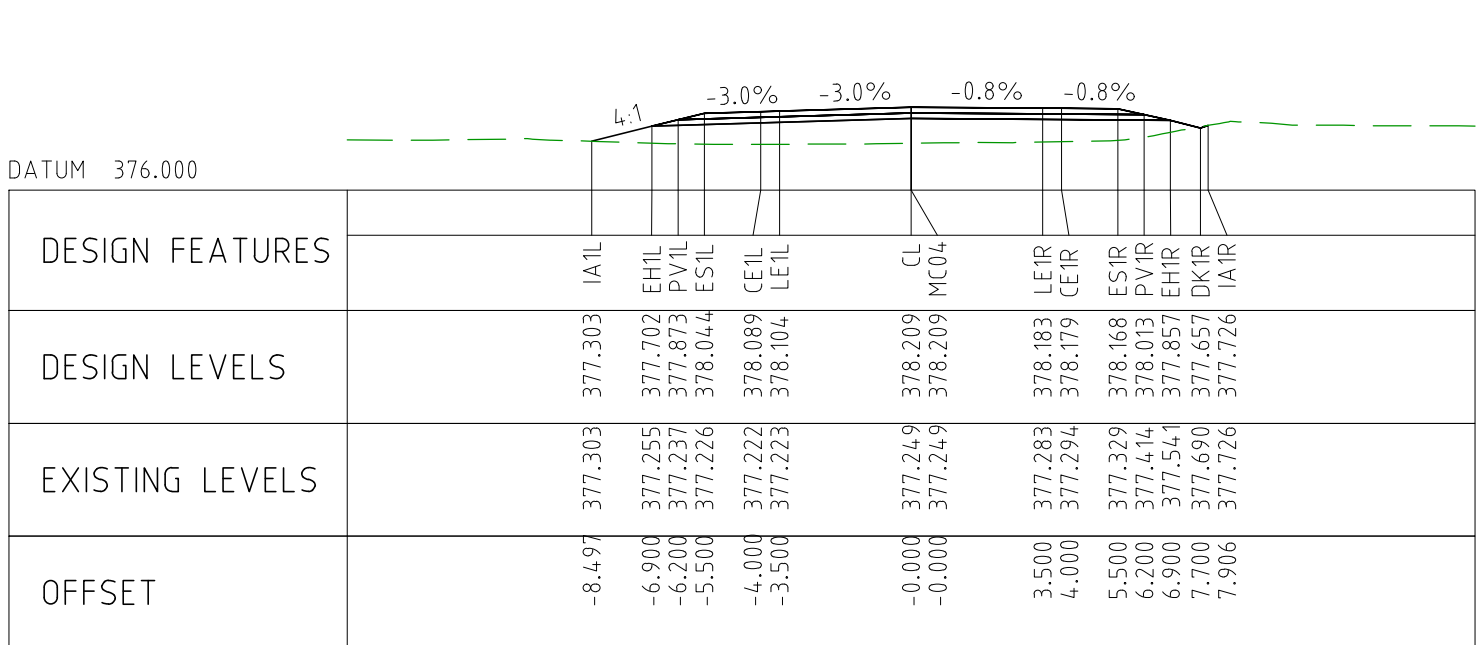
CHAINAGE 68750



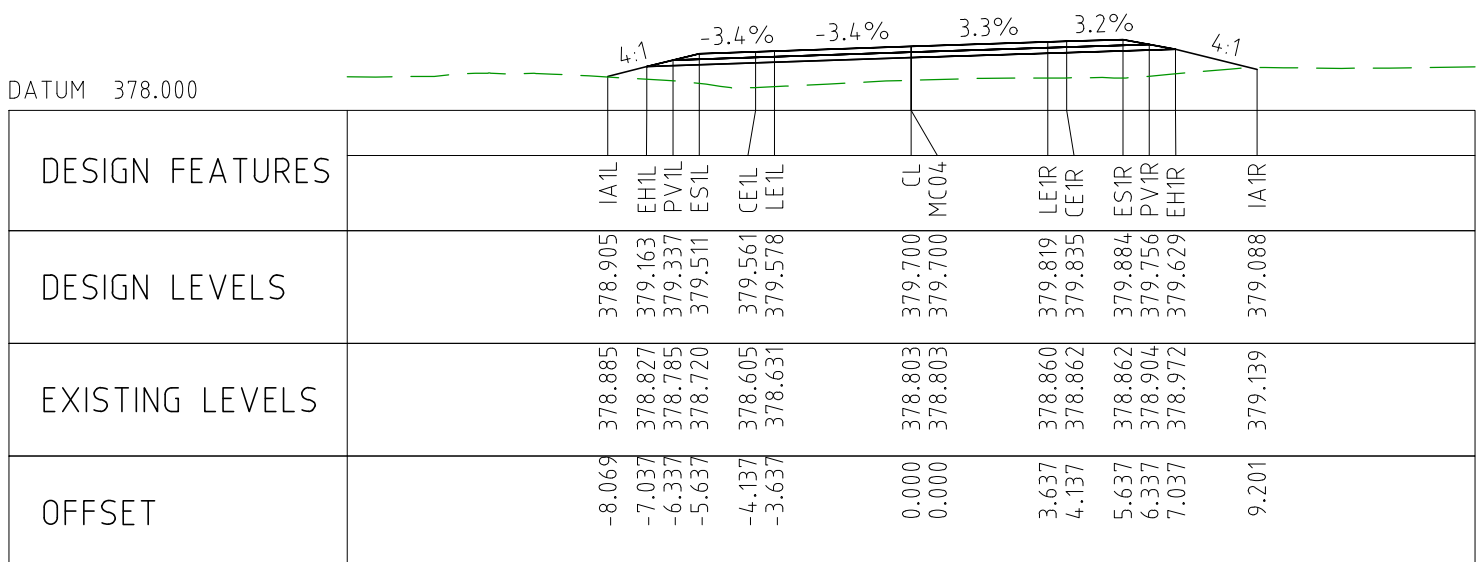
CHAINAGE 69200



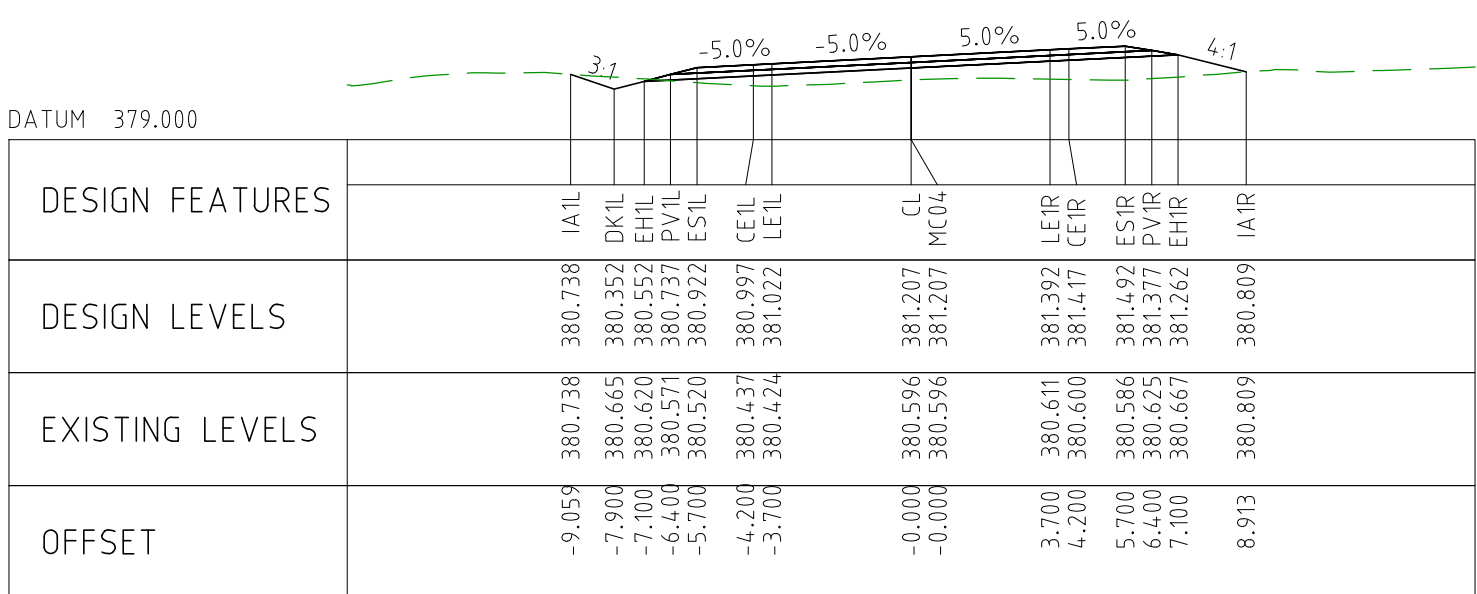
CHAINAGE 69150



CHAINAGE 69100

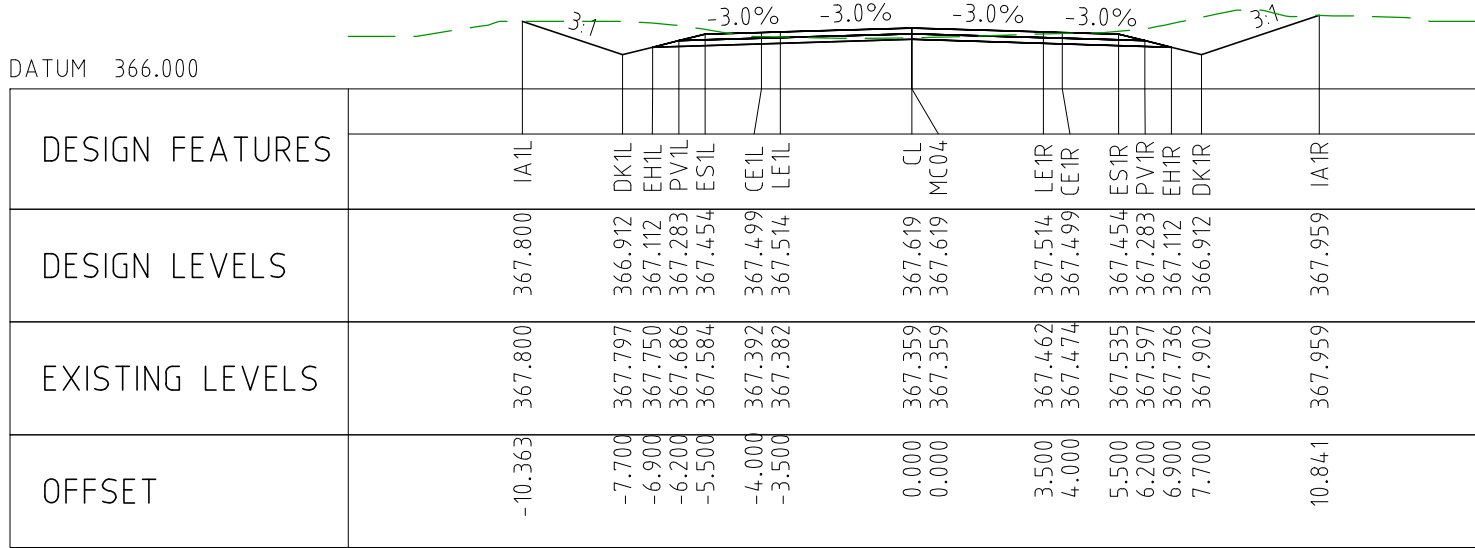


CHAINAGE 69050

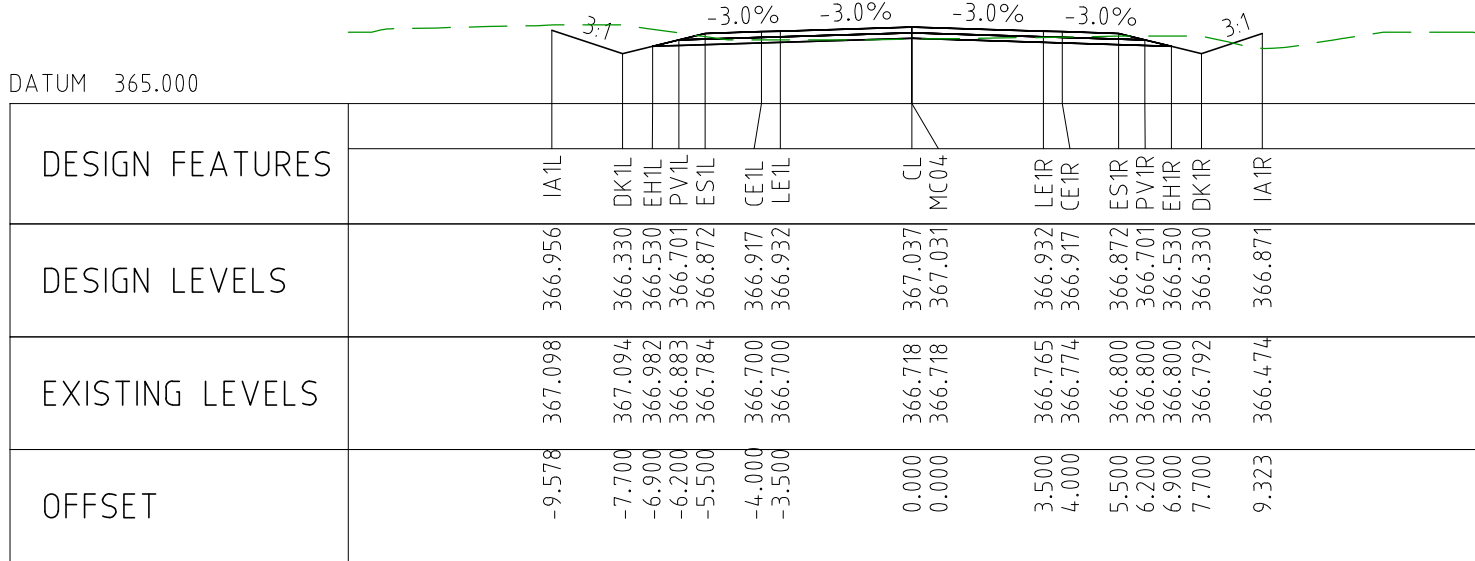


CHAINAGE 69000

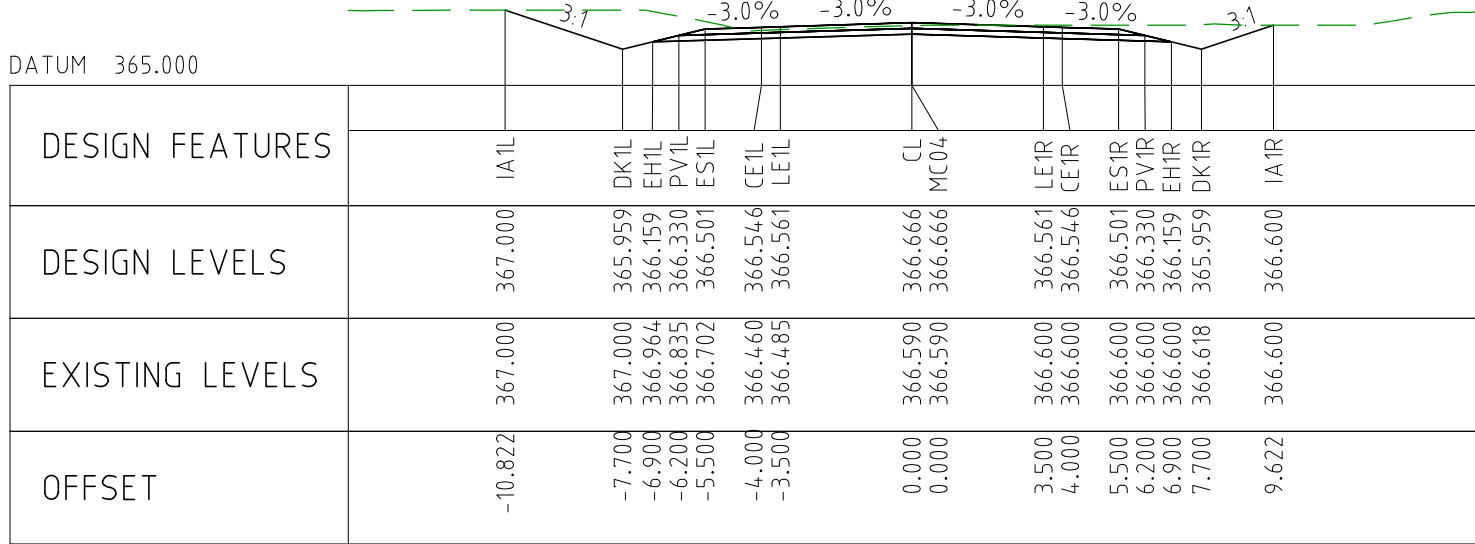
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-XS104.dwg				PLOT DATE 03 Nov 2022		TIME 16:34:10	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	DG
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RI
SCALES AT A1 SIZE DRAWING				DESIGNER			
SCALE 1:200				SMC PROJECT No 3006493			
				CLIENT			
				PROJECT TITLE			
				MOUNT HOLLAND LITHIUM MINE			
				MARVEL LOCH FORRESTANIA ROAD			
				CROSS SECTIONS - MC04			
				SHEET 10 OF 72			
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS104		REVISION 0	



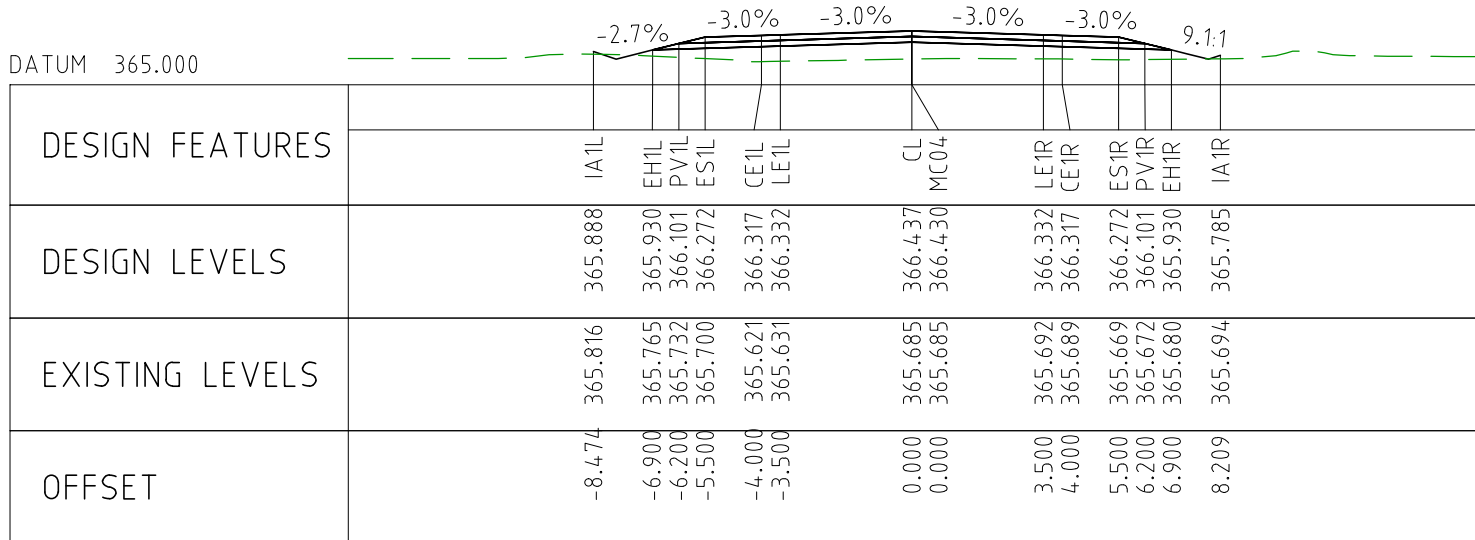
CHAINAGE 70200



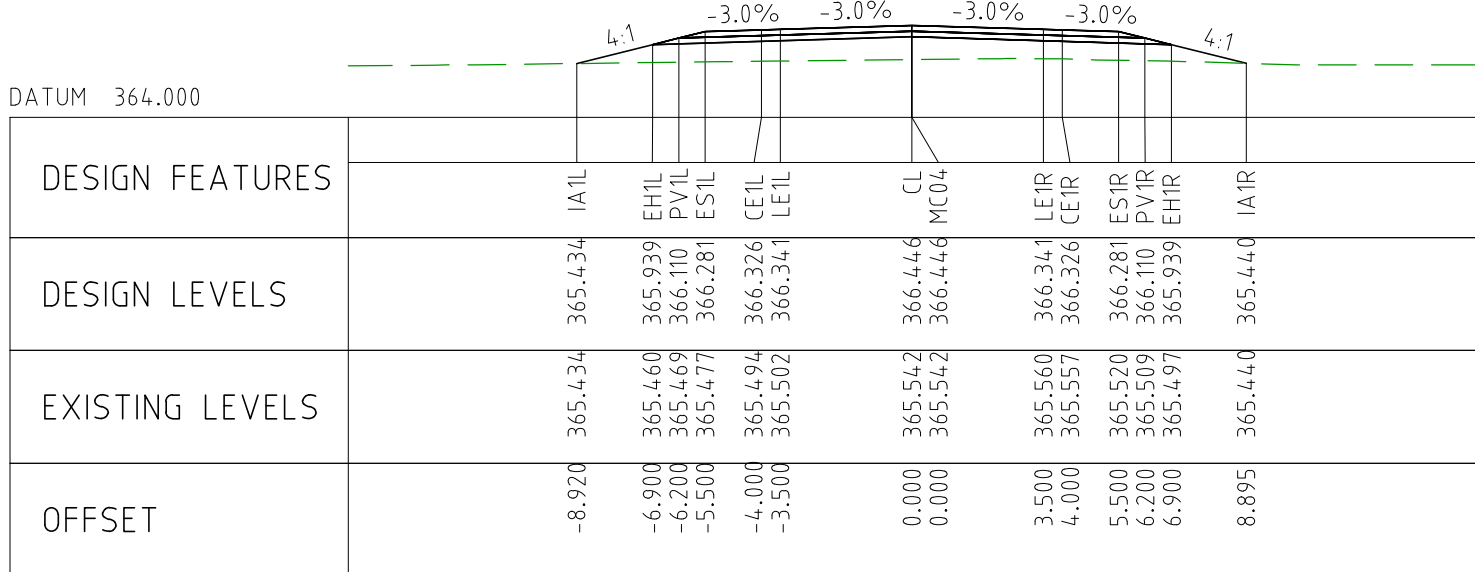
CHAINAGE 70150



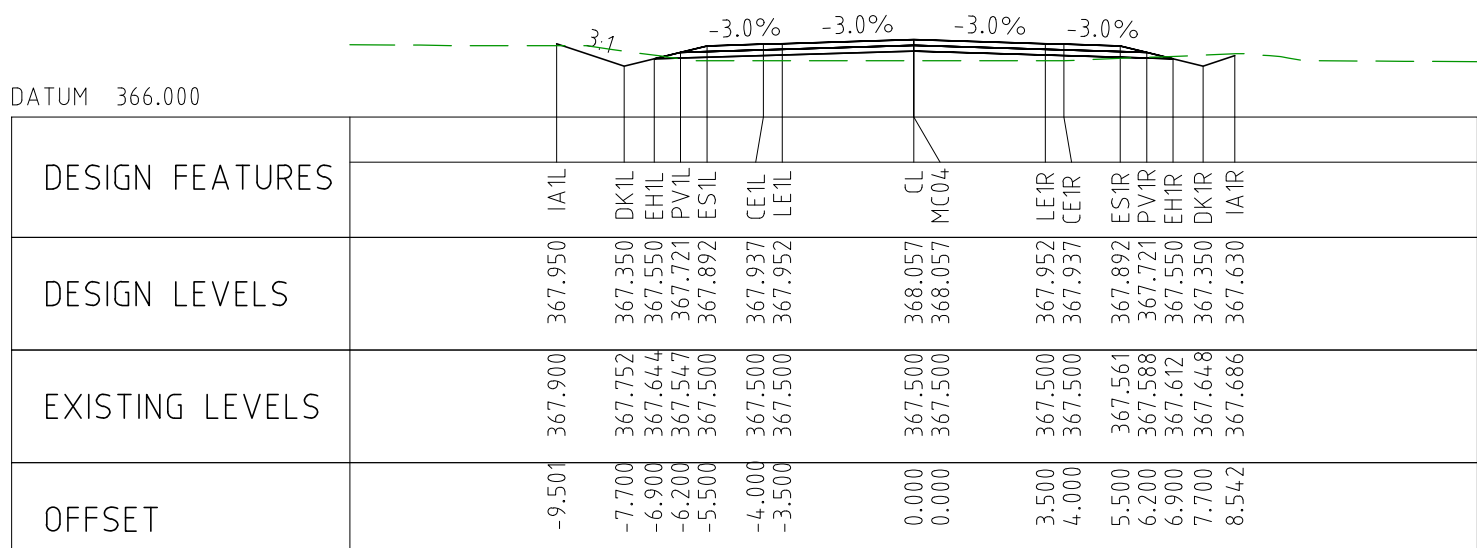
CHAINAGE 70100



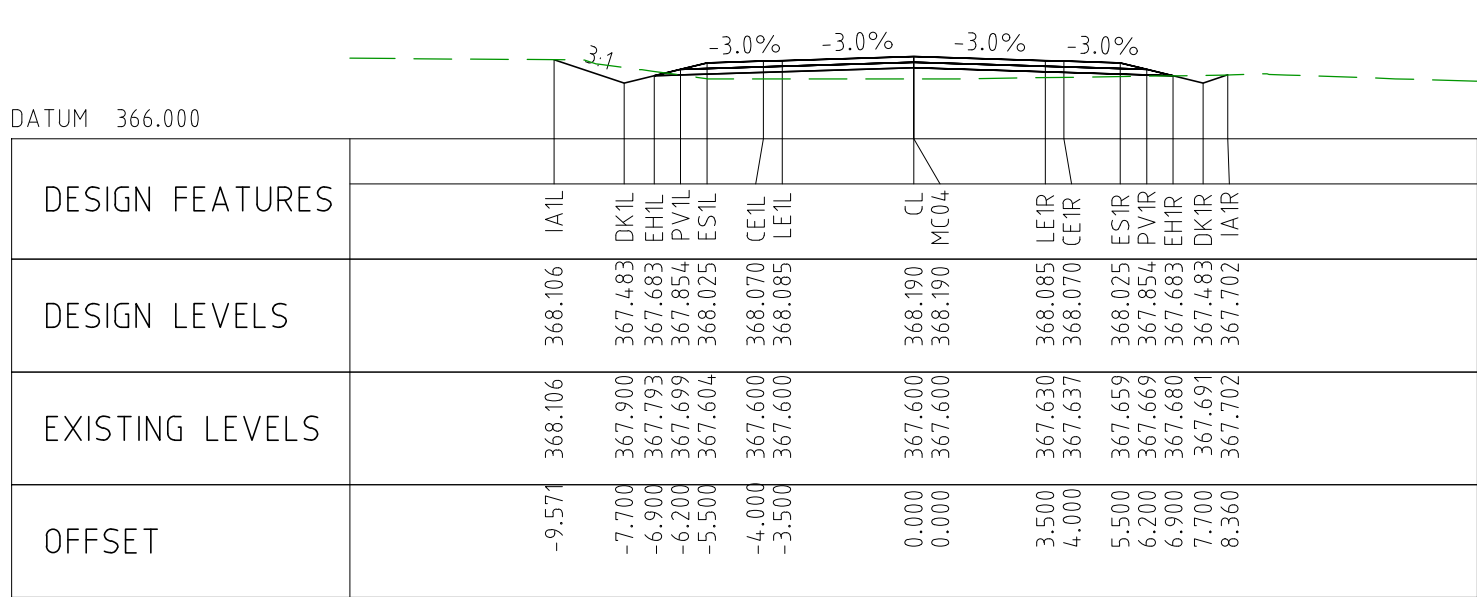
CHAINAGE 70050



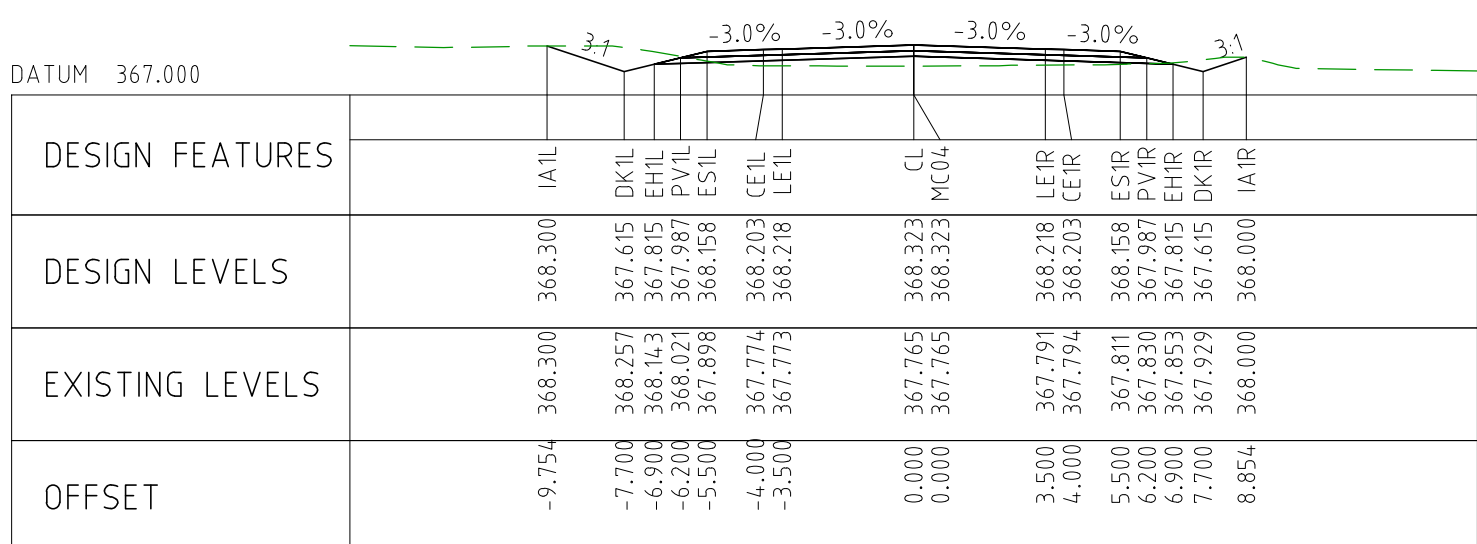
CHAINAGE 70000



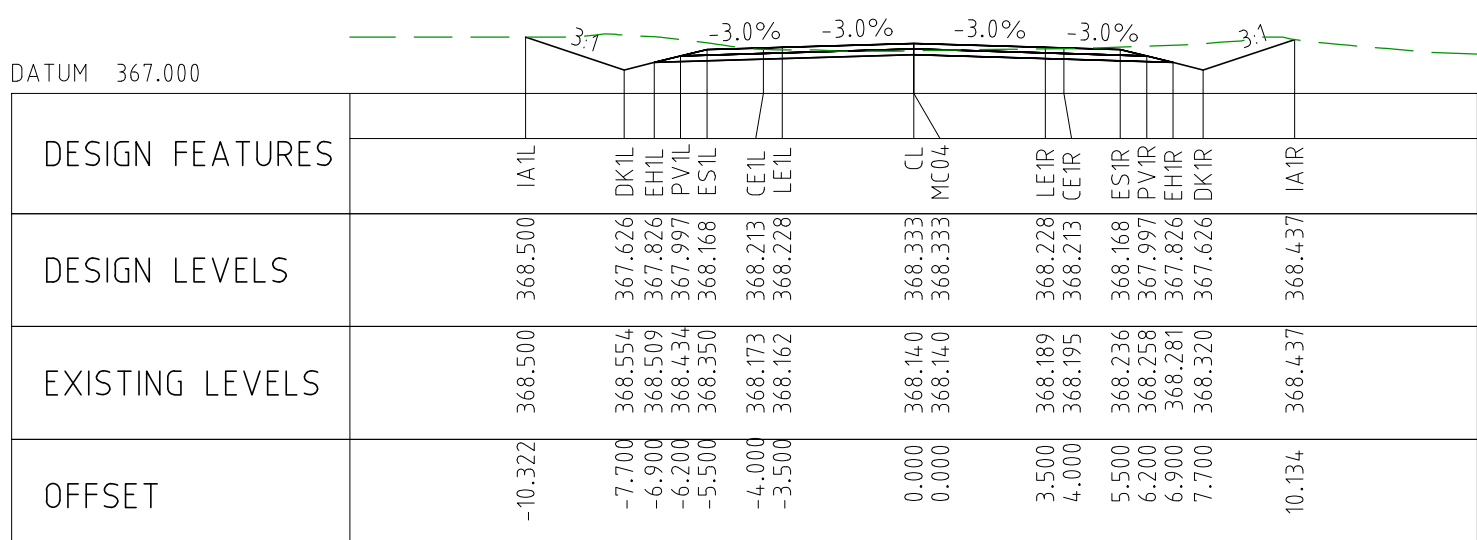
CHAINAGE 70450



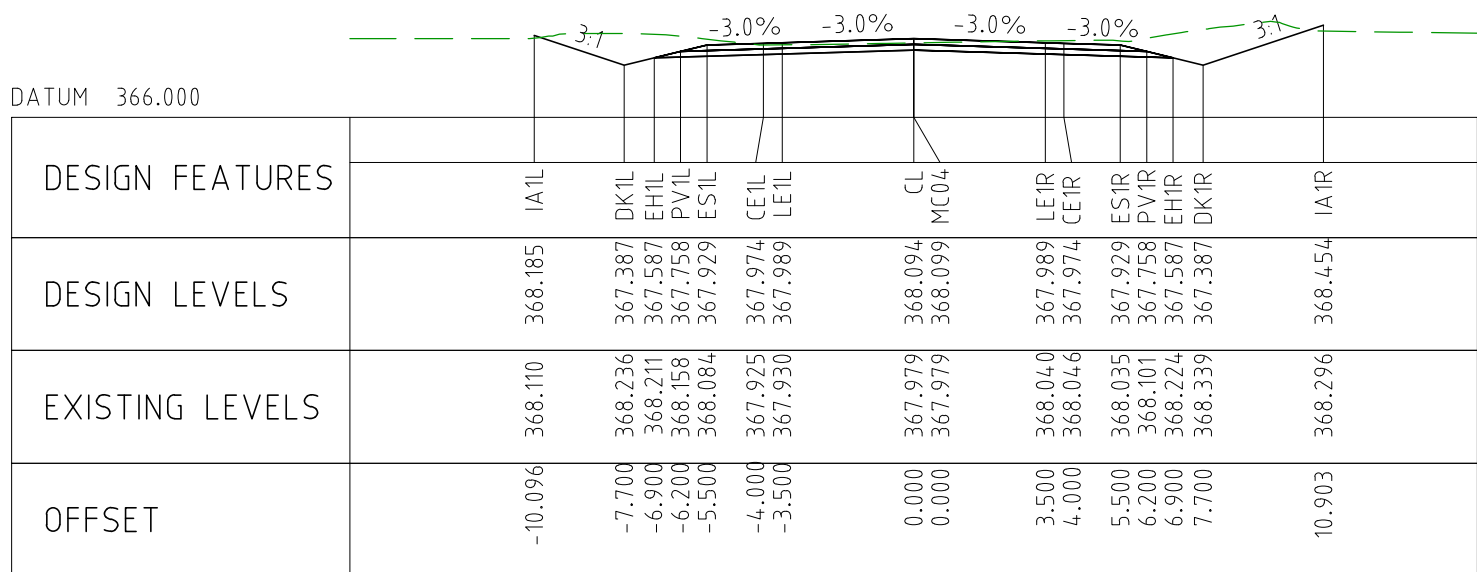
CHAINAGE 70400



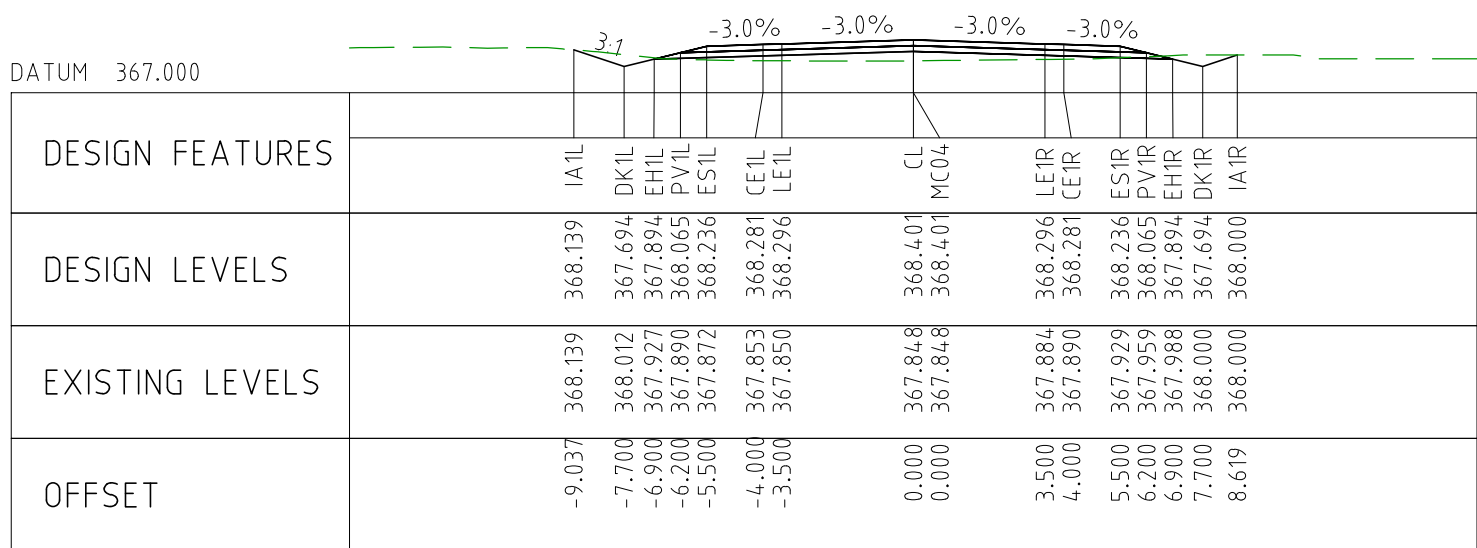
CHAINAGE 70350



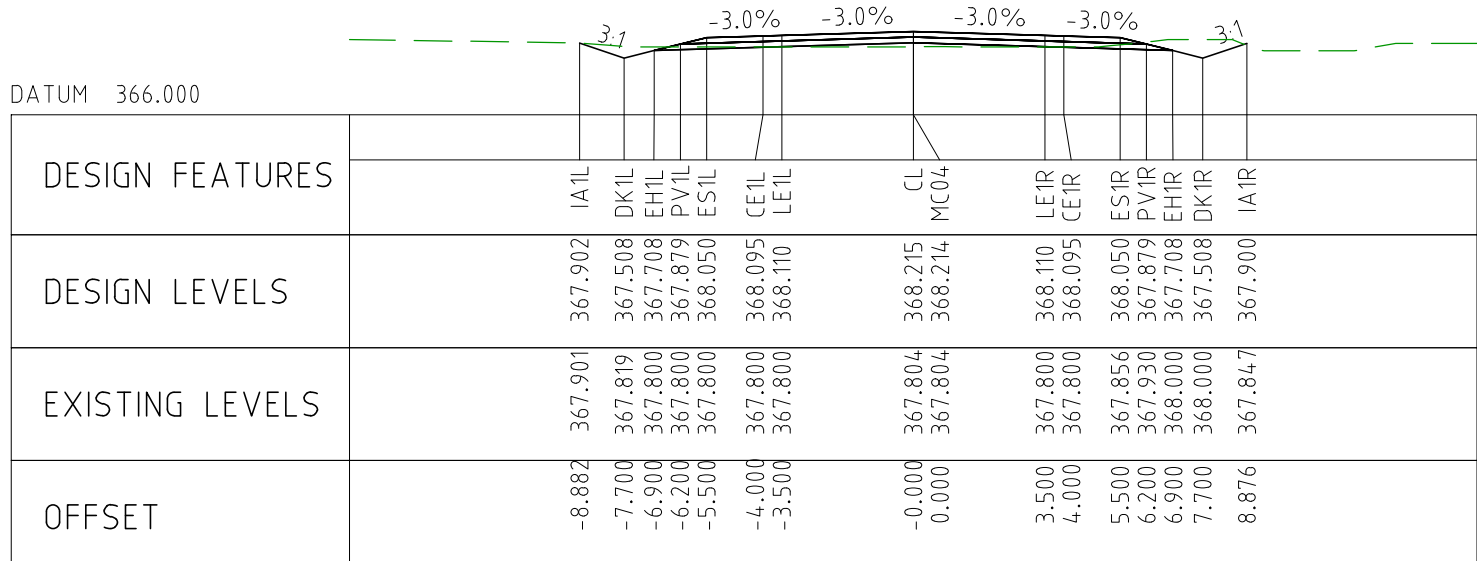
CHAINAGE 70300



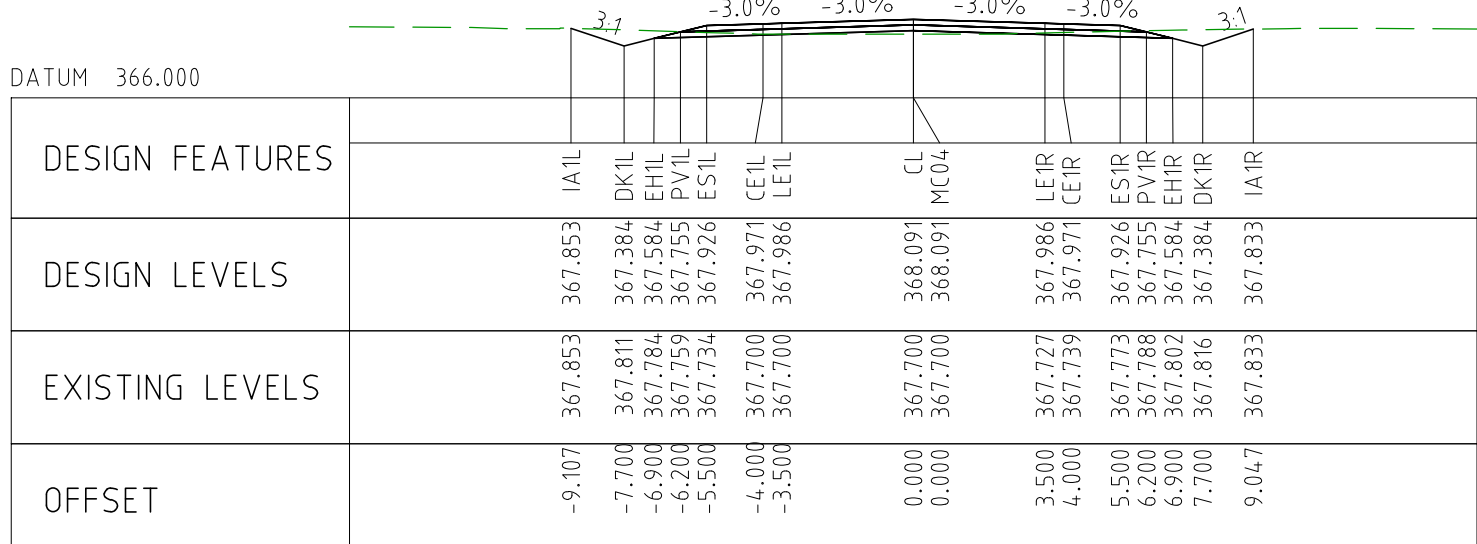
CHAINAGE 70250



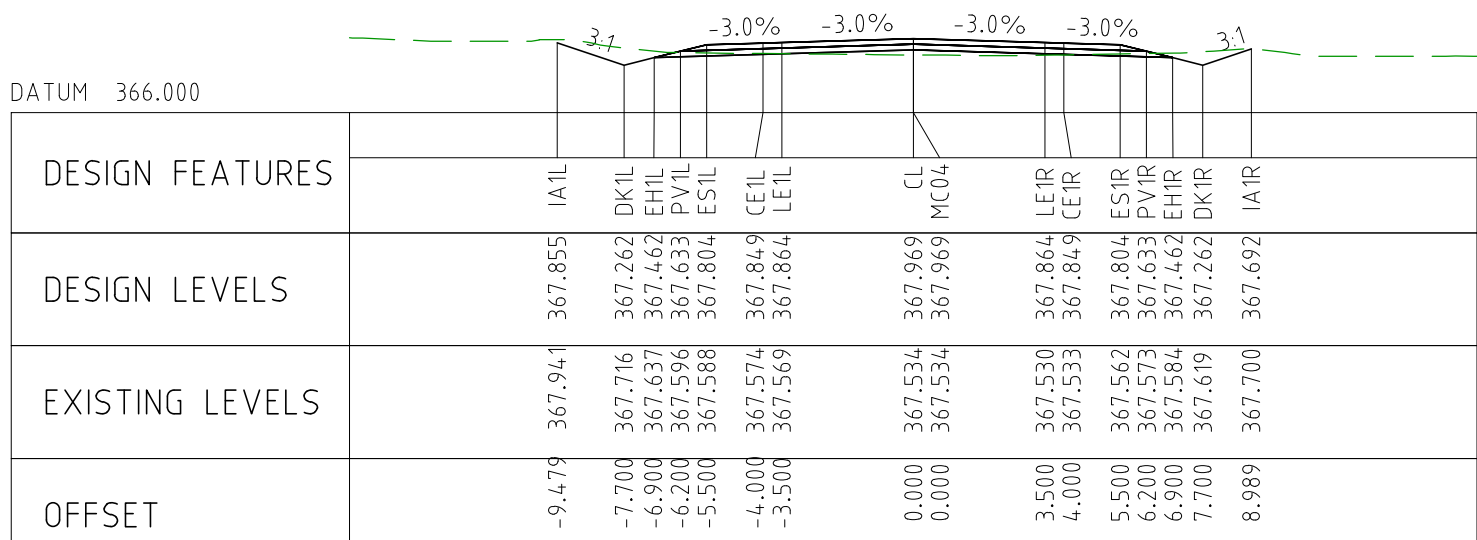
CHAINAGE 70700



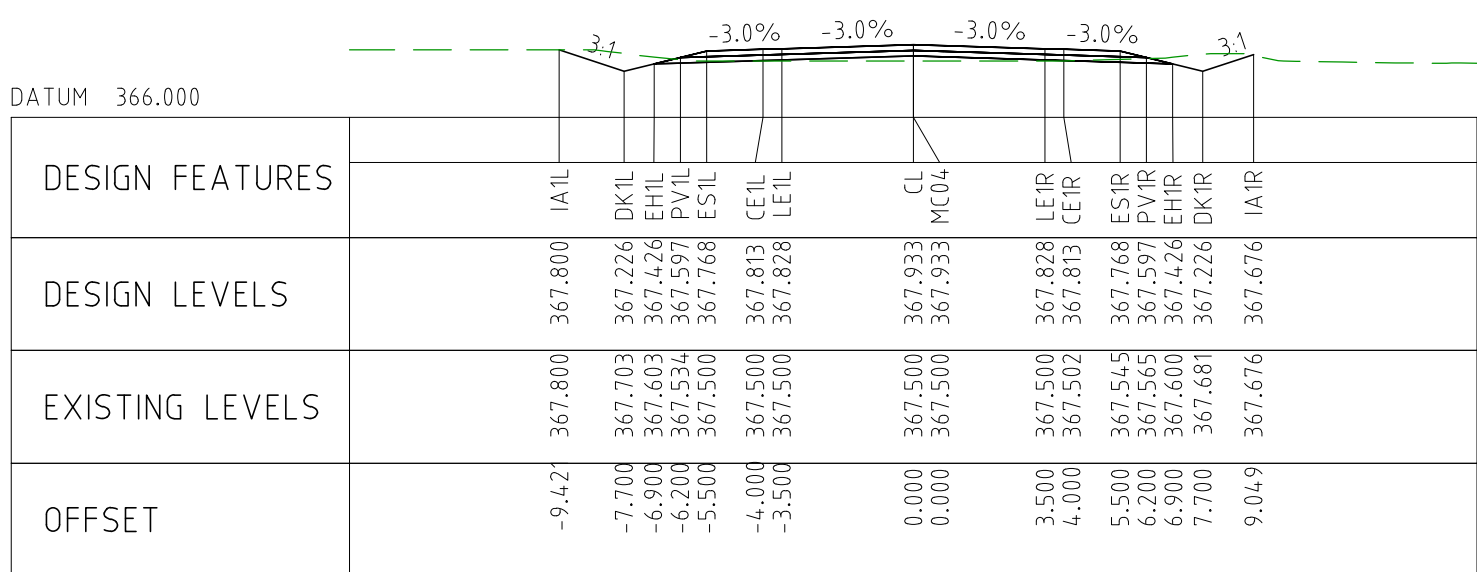
CHAINAGE 70650



CHAINAGE 70600

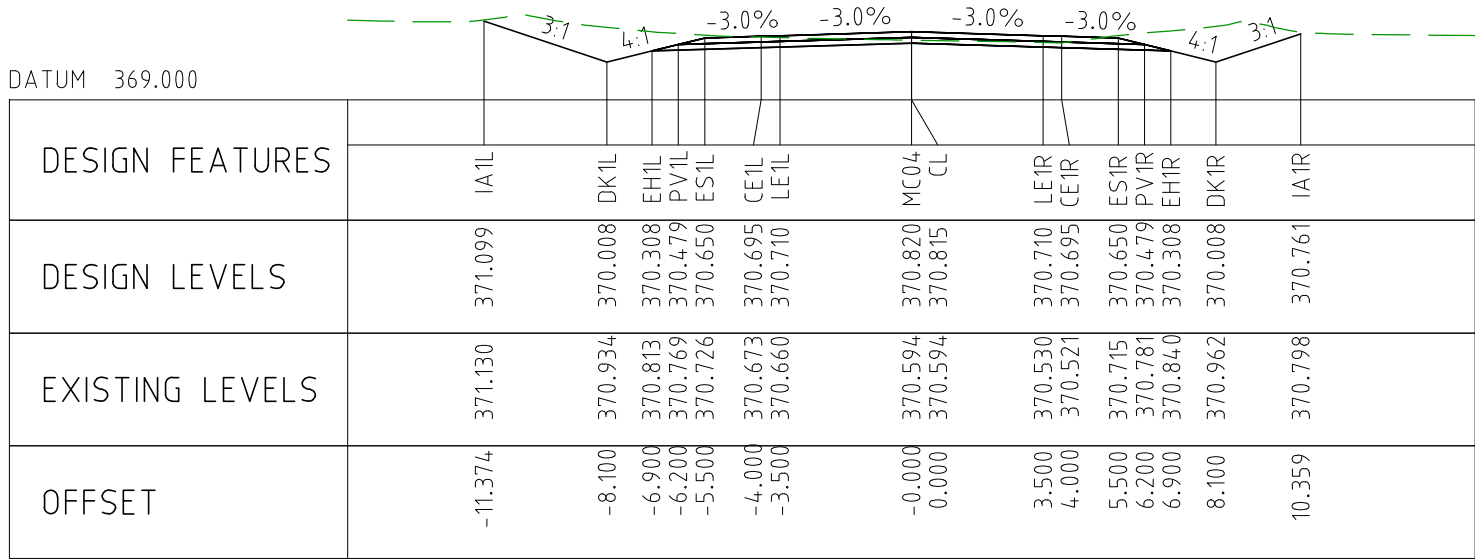


CHAINAGE 70550

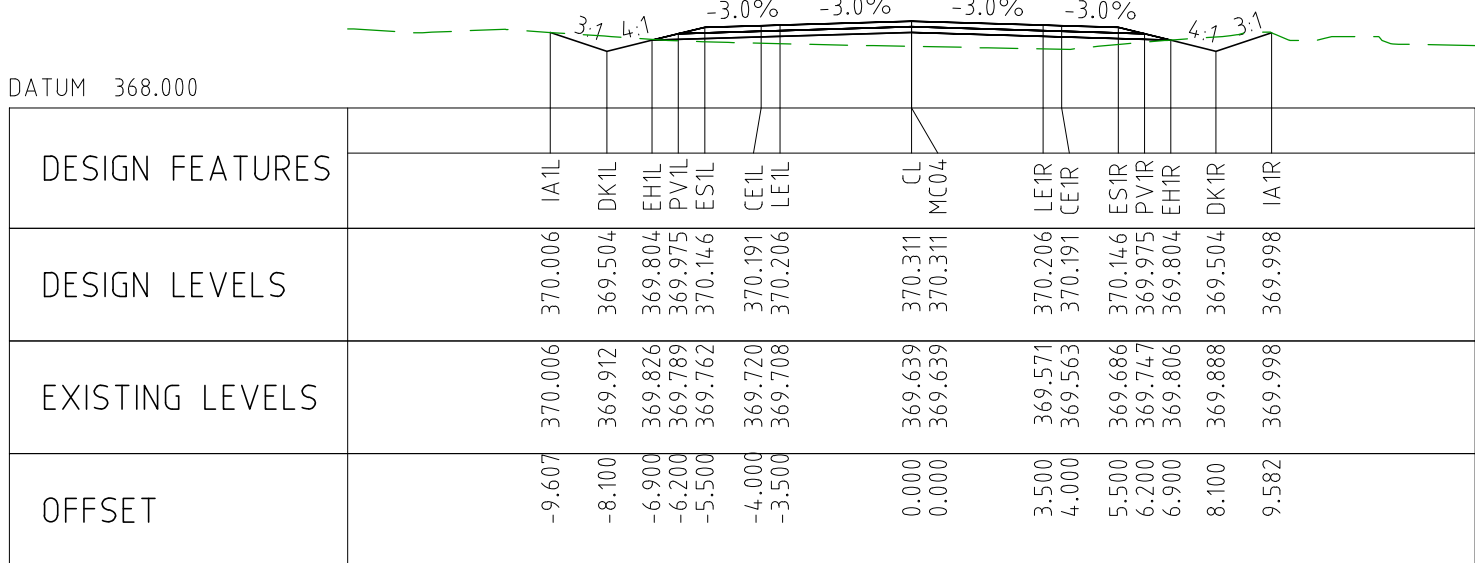


CHAINAGE 70500

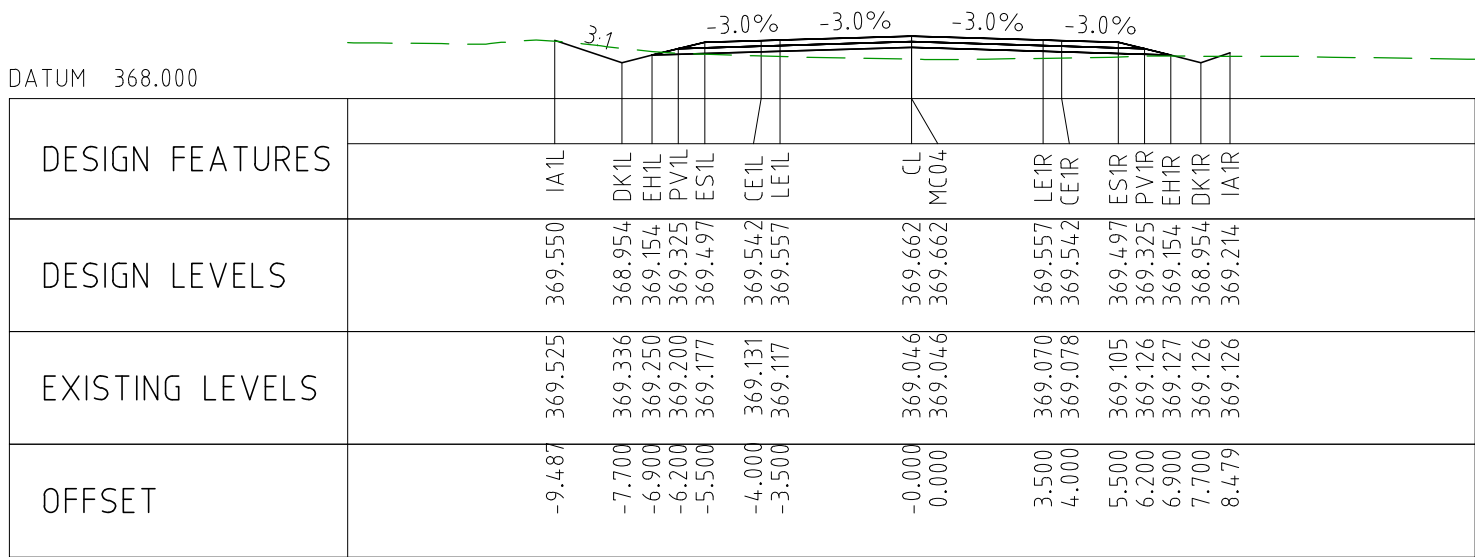
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS106.dwg				PLOT DATE 03 Nov 2022		TIME 16:36:09	
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW
						DRAFTING CHECK	TM
						DESIGNER	DG
						DESIGN CHECK	TM
						PROJECT MANAGER	DM
						PROJECT DIRECTOR	RI
				SCALES AT A1 SIZE DRAWING			
				SCALE 1:200			
				DESIGNER			
				SMC PROJECT No 3006493			
				CLIENT			
				PROJECT TITLE			
				MOUNT HOLLAND LITHIUM MINE			
				MARVEL LOCH FORRESTANIA ROAD			
				CROSS SECTIONS - MC04			
				SHEET 12 OF 72			
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS106		REVISION 0	



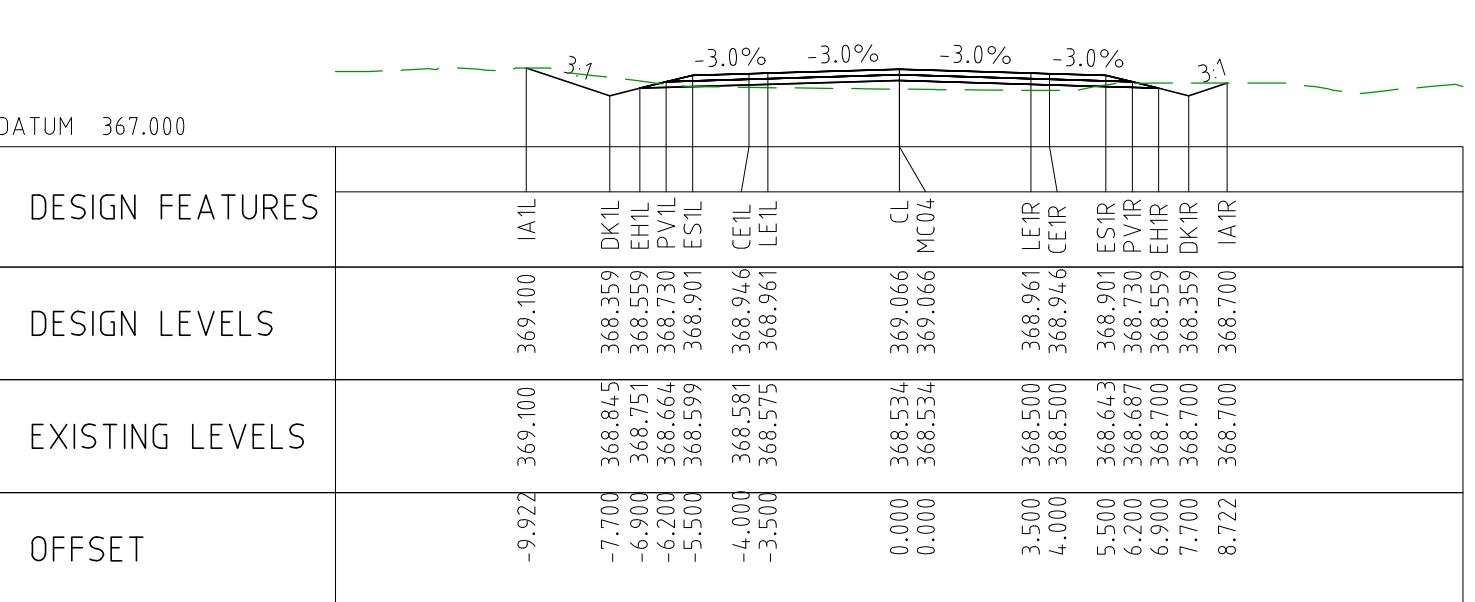
CHAINAGE 70950



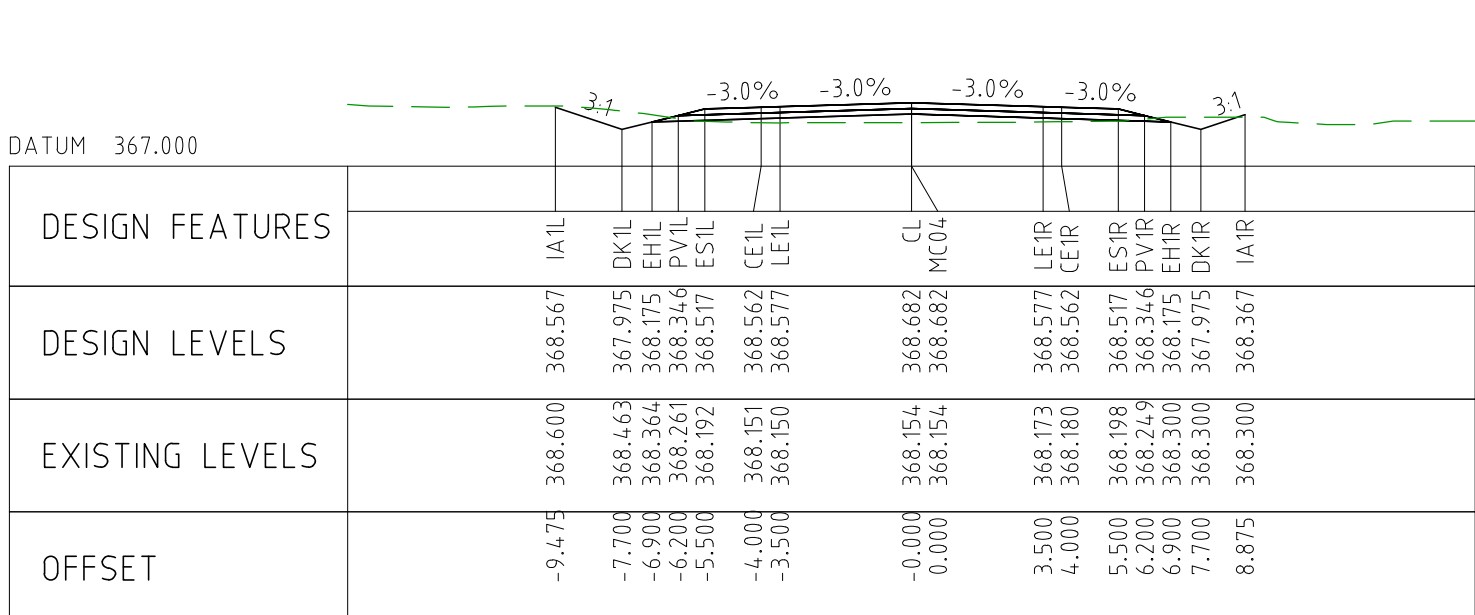
CHAINAGE 70900



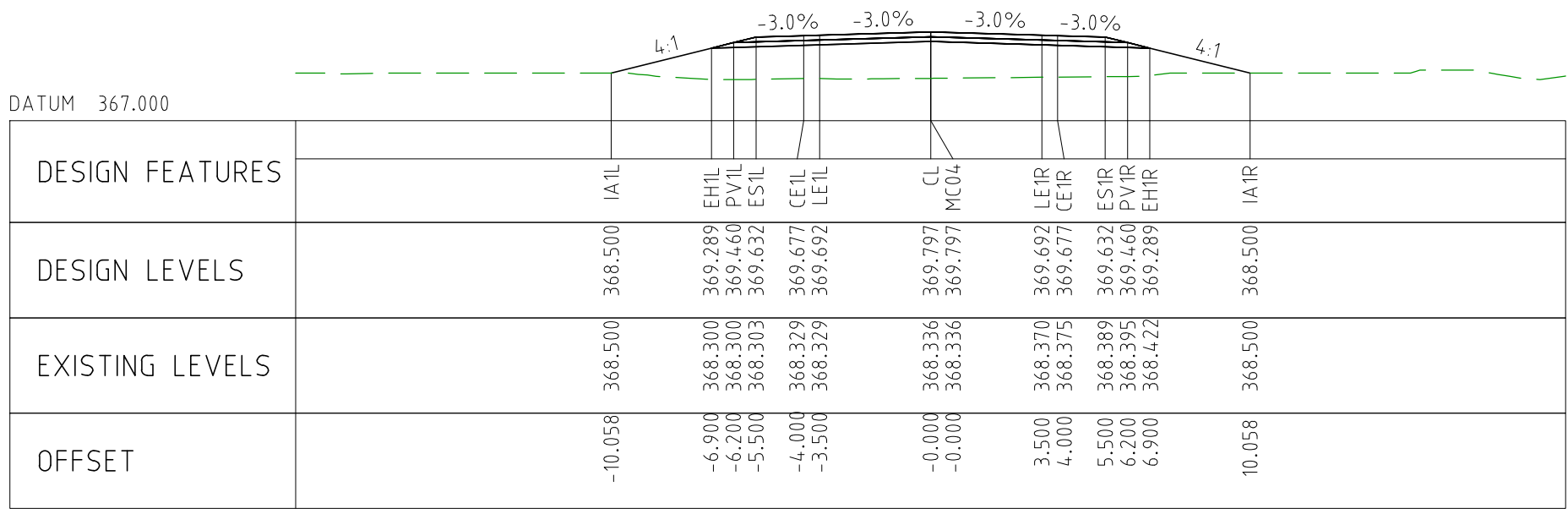
CHAINAGE 70850



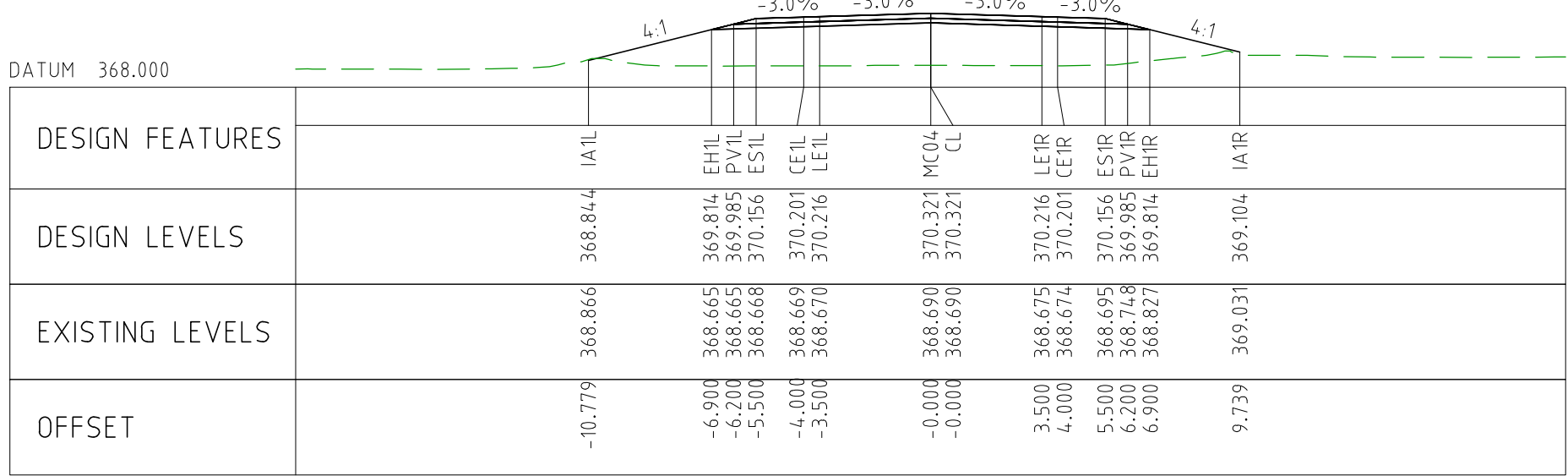
CHAINAGE 70800



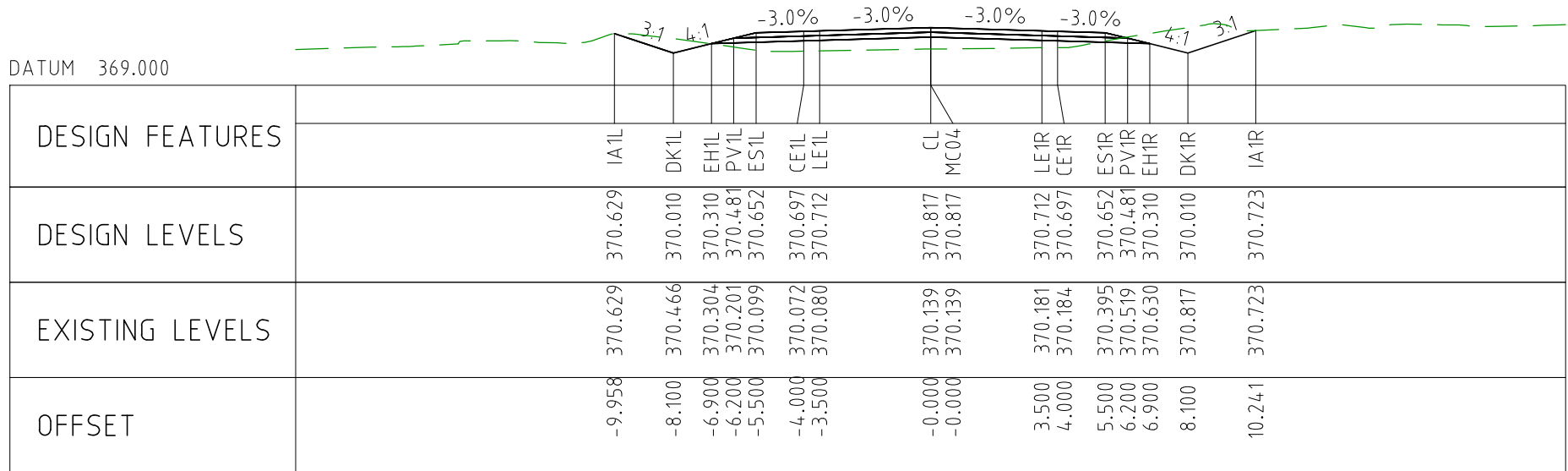
CHAINAGE 70750



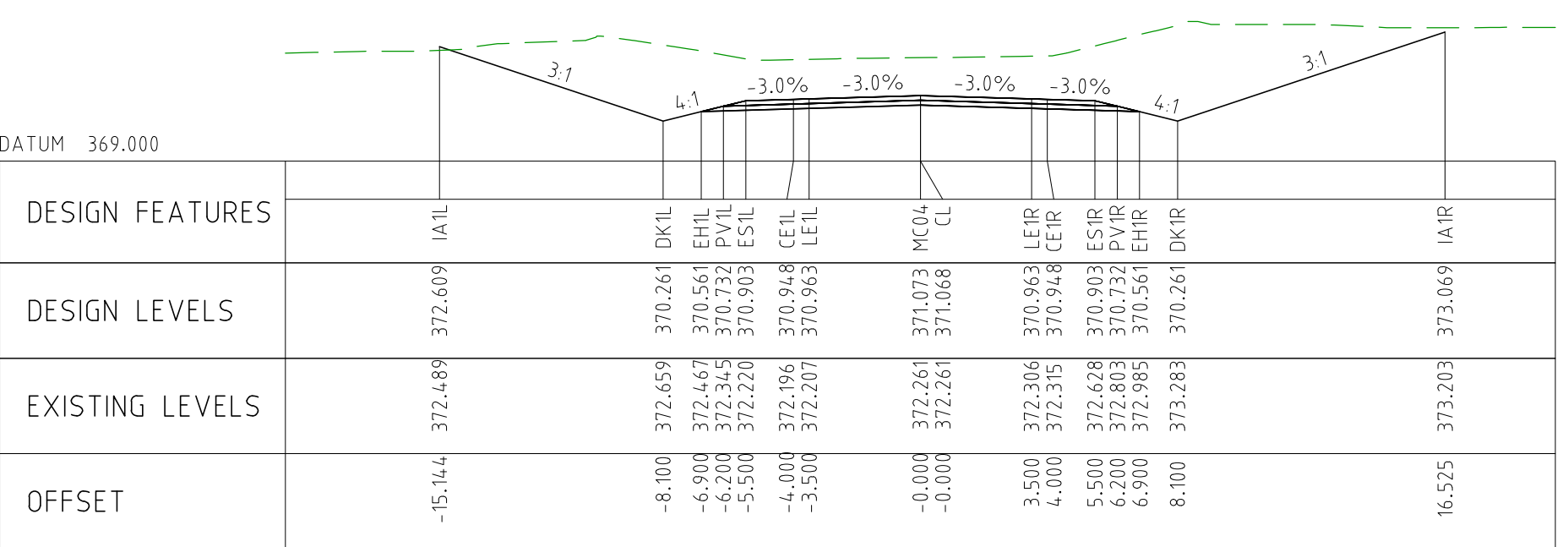
CHAINAGE 71200



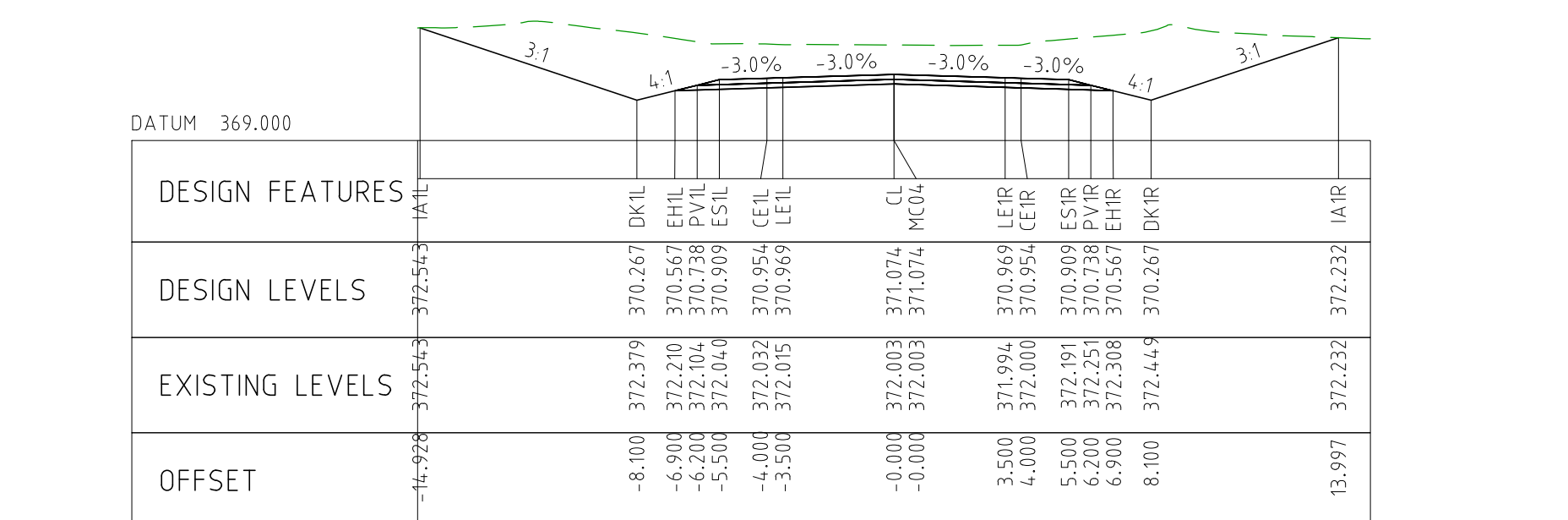
CHAINAGE 71150



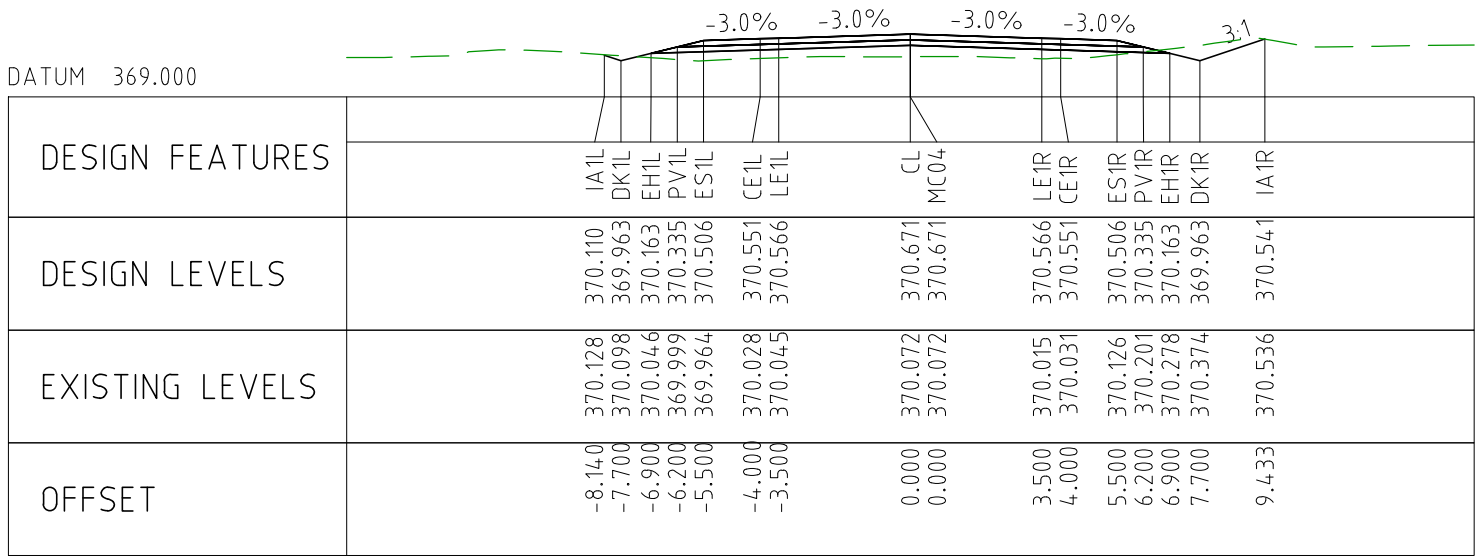
CHAINAGE 71100



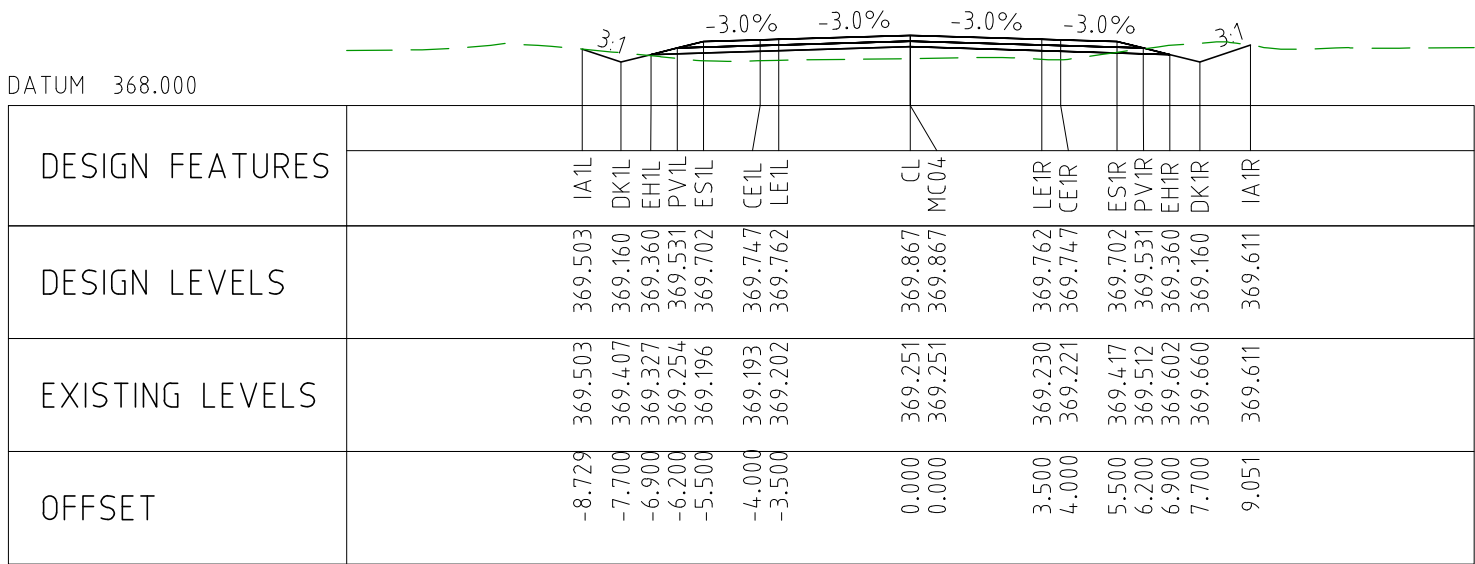
CHAINAGE 71050



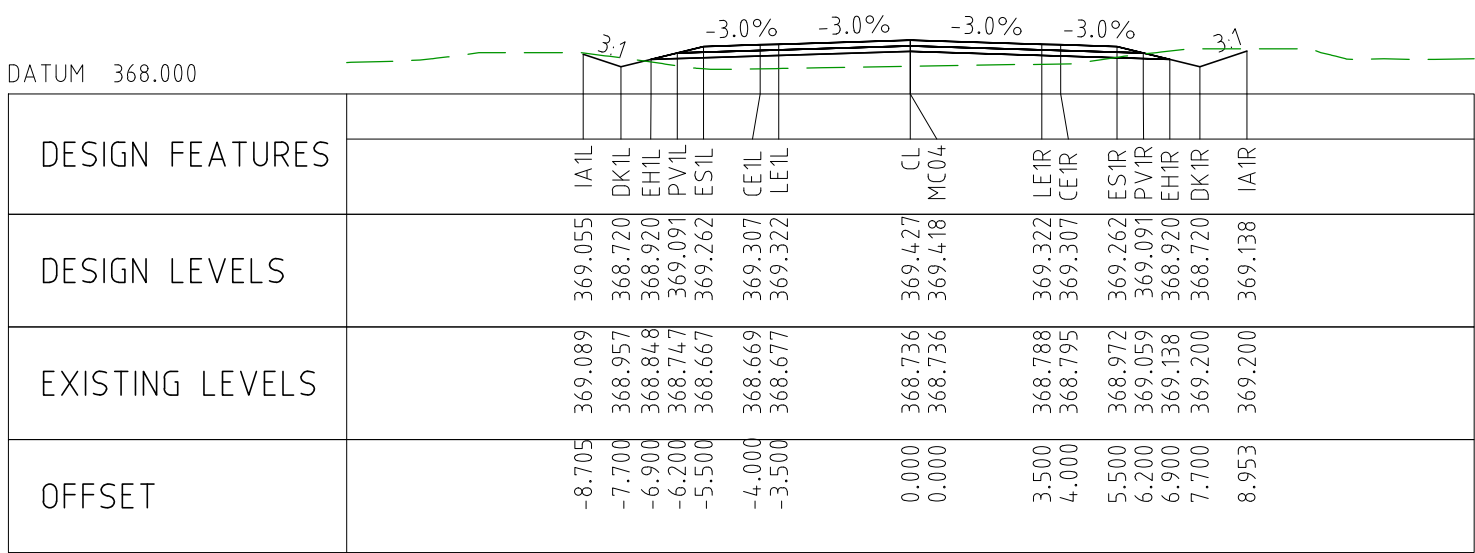
CHAINAGE 71000



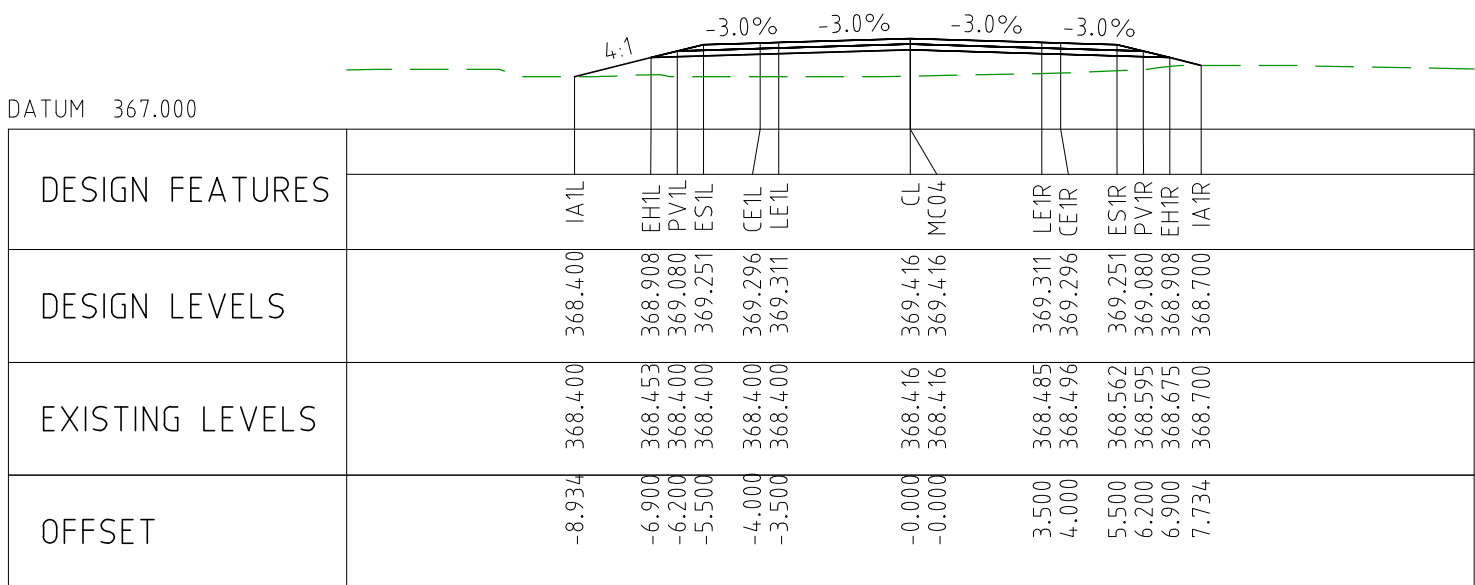
CHAINAGE 71450



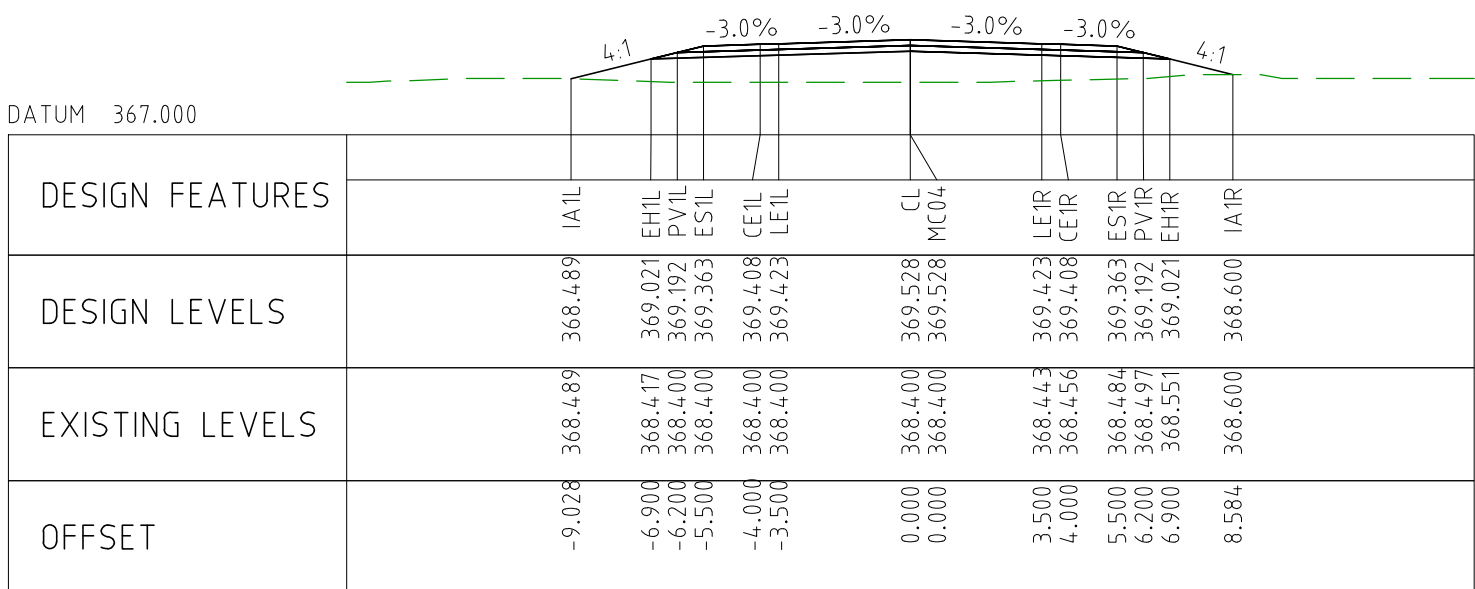
CHAINAGE 71400



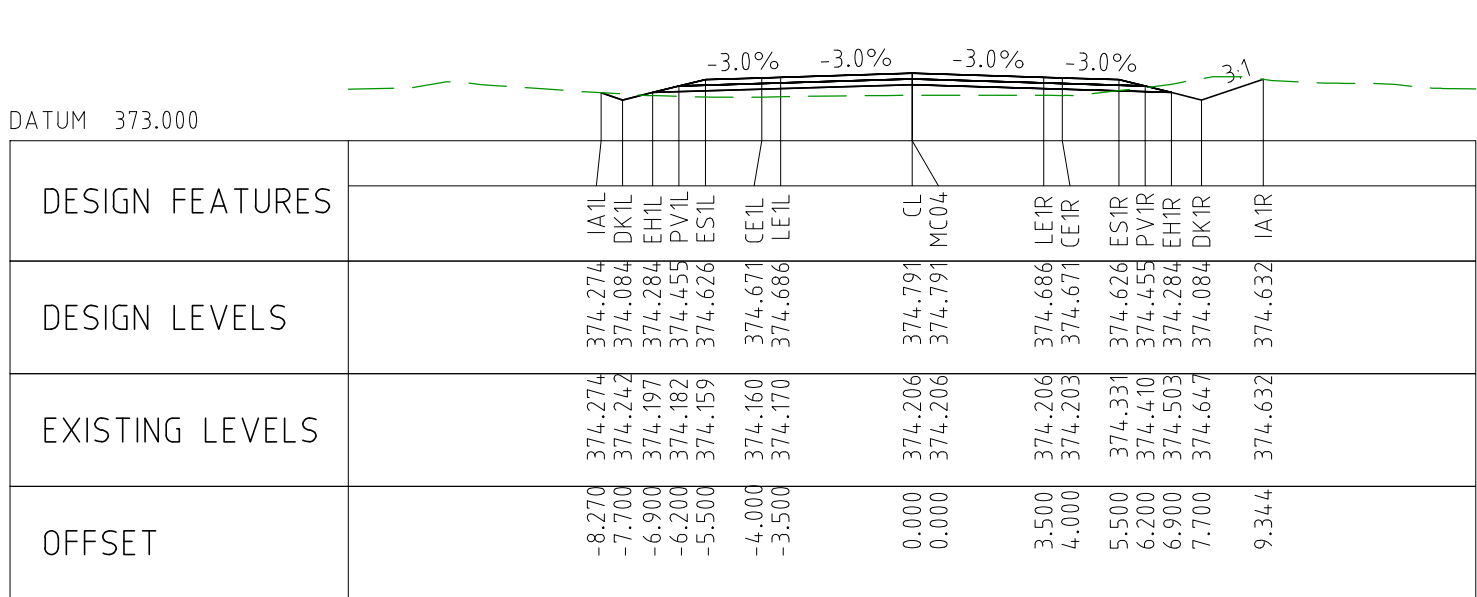
CHAINAGE 71350



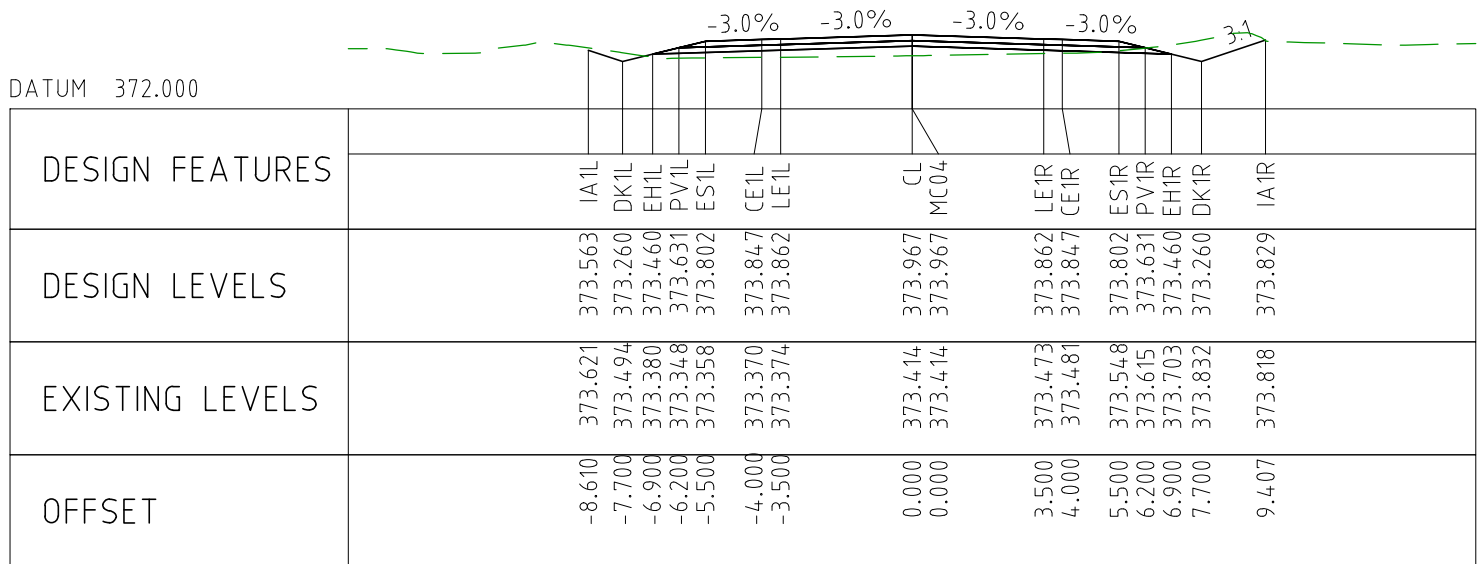
CHAINAGE 71300



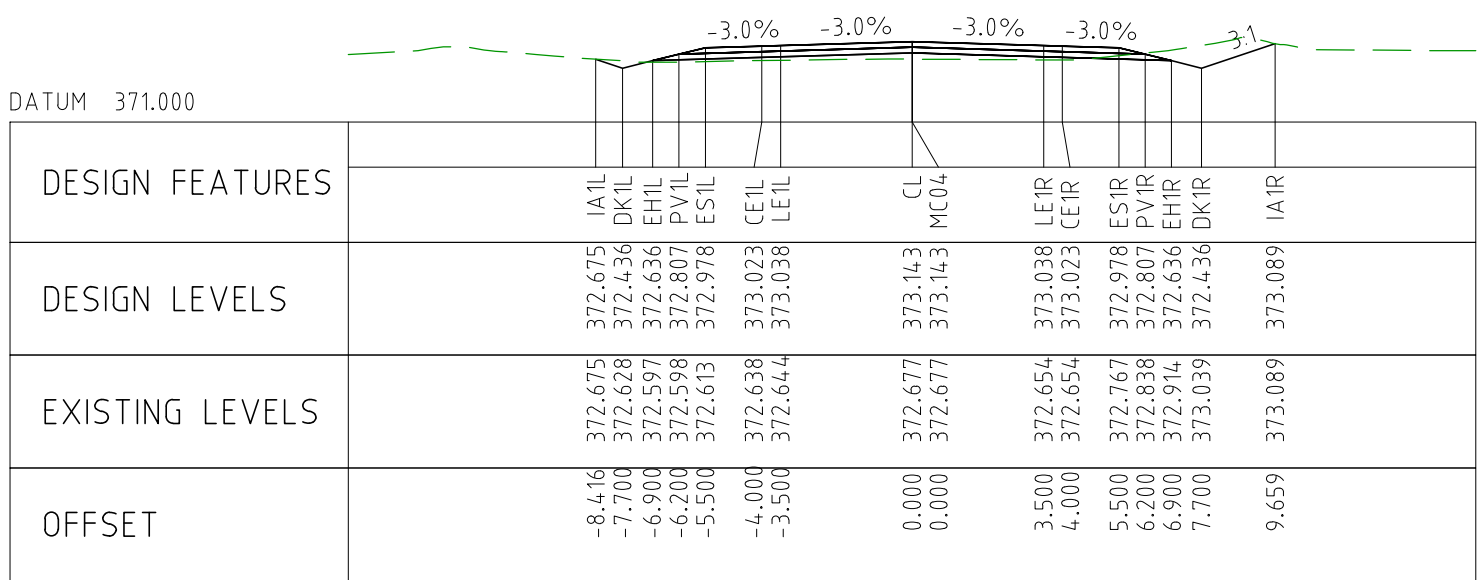
CHAINAGE 71250



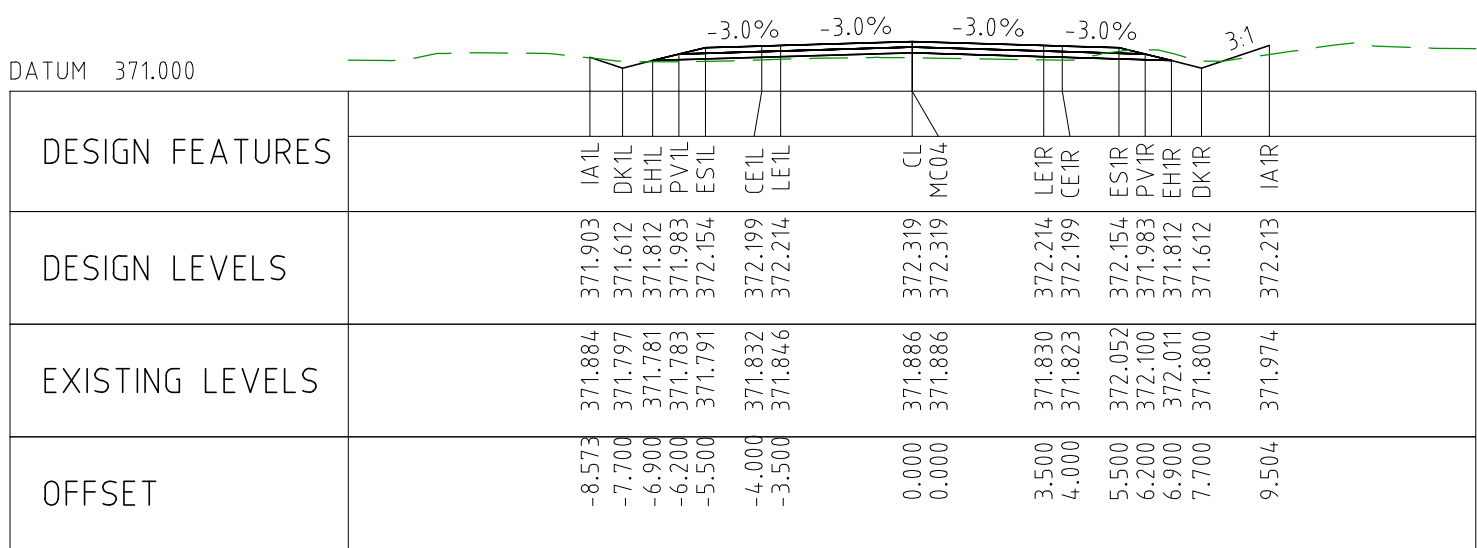
CHAINAGE 71700



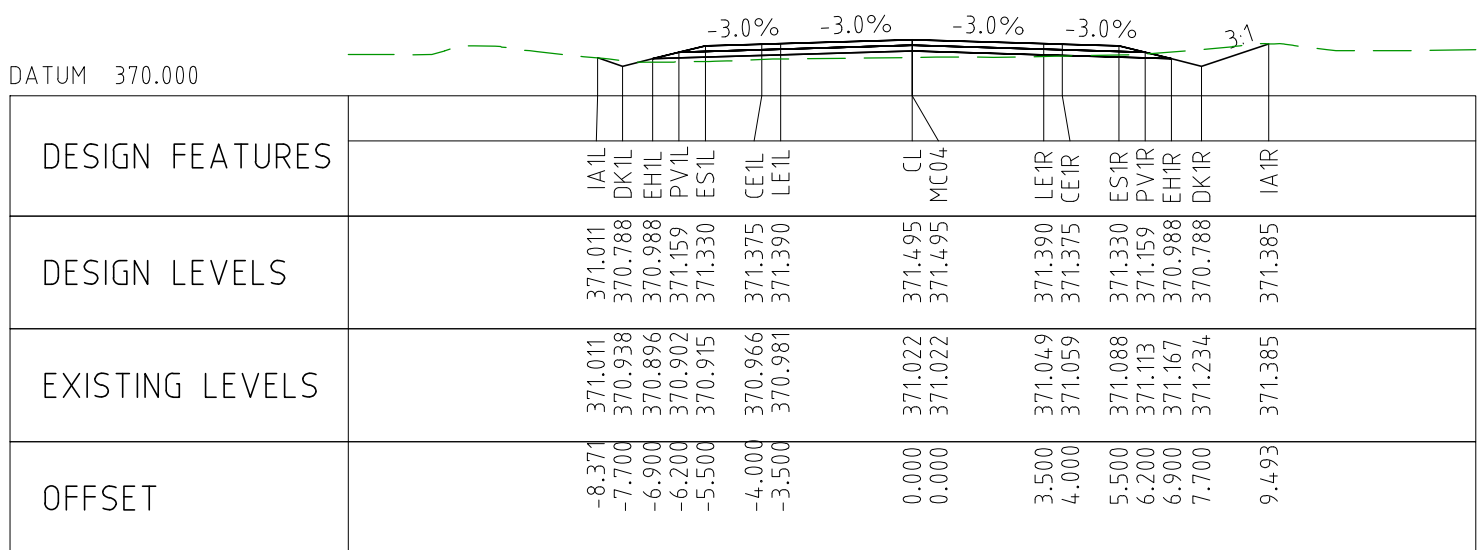
CHAINAGE 71650



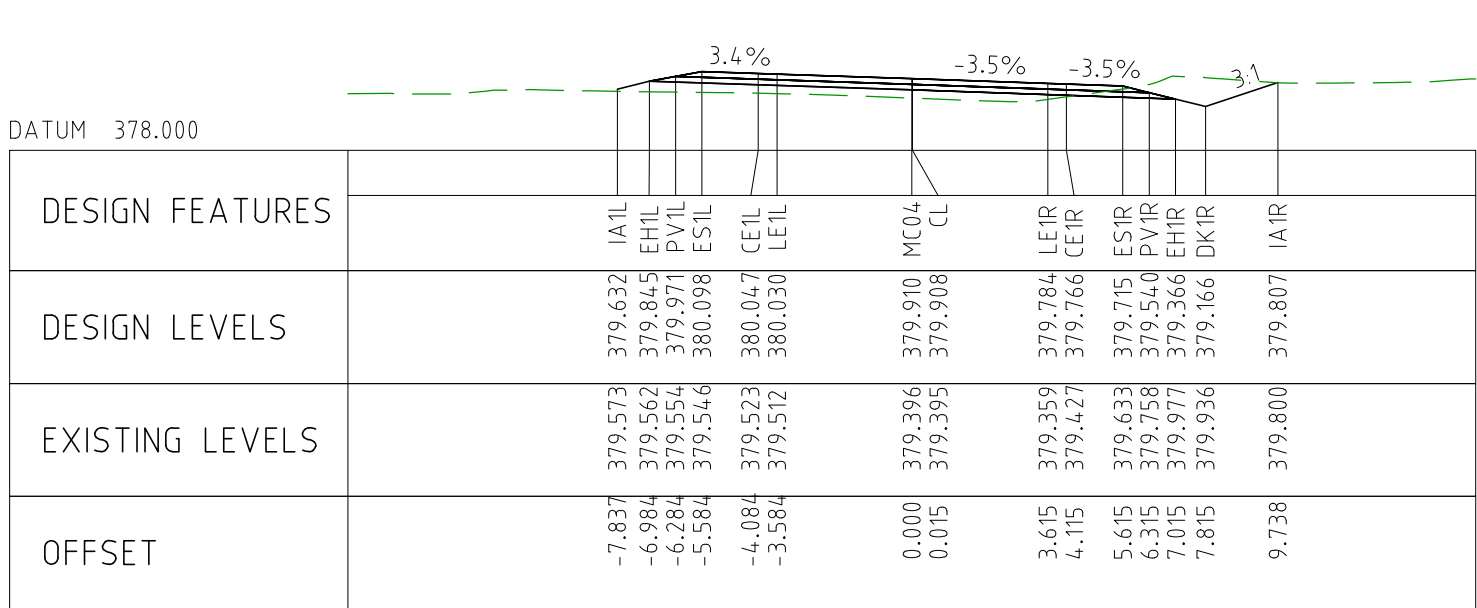
CHAINAGE 71600



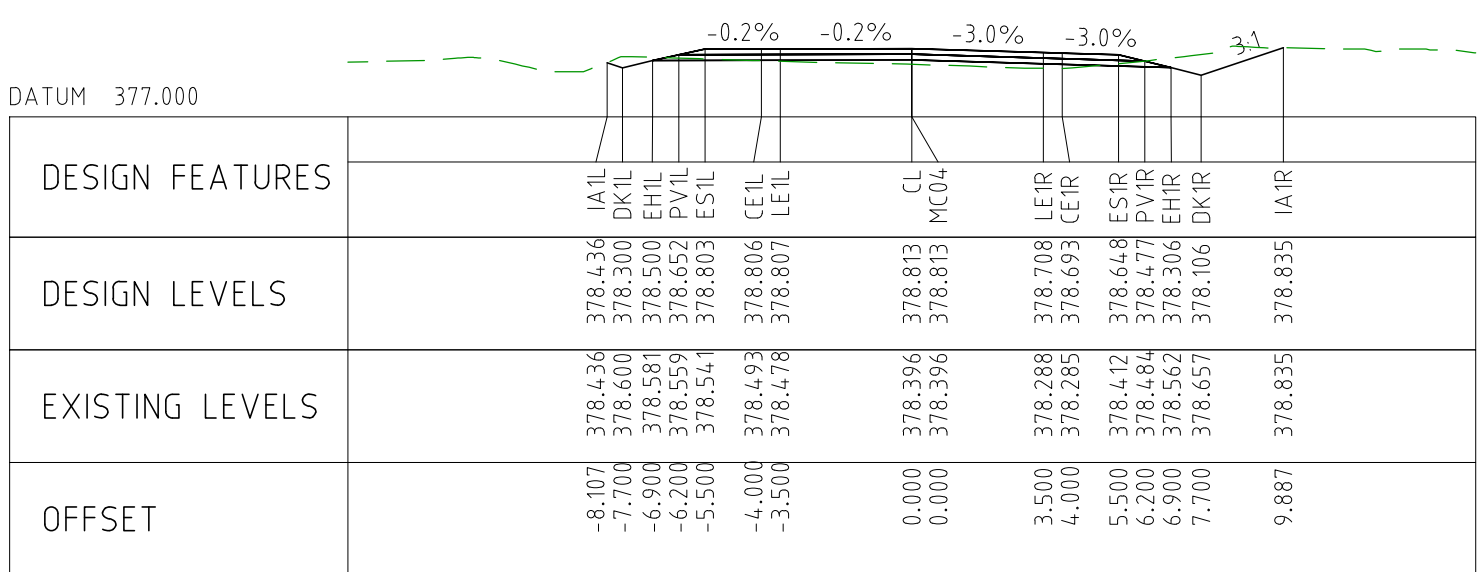
CHAINAGE 71550



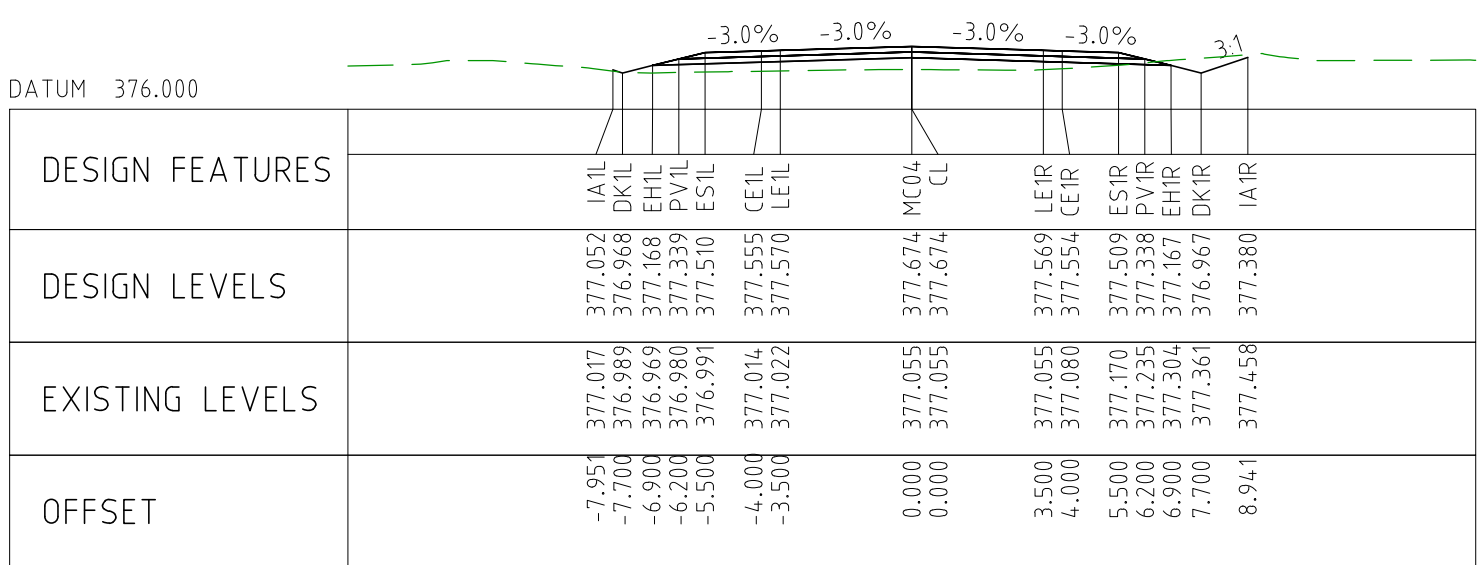
CHAINAGE 71500



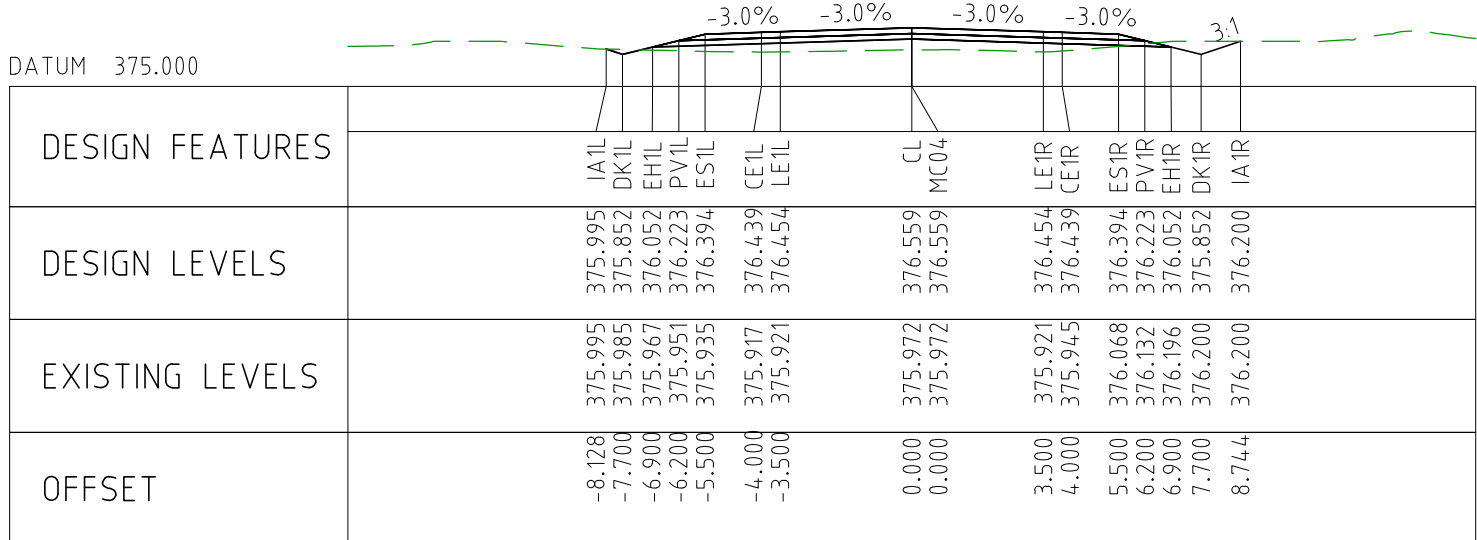
CHAINAGE 71950



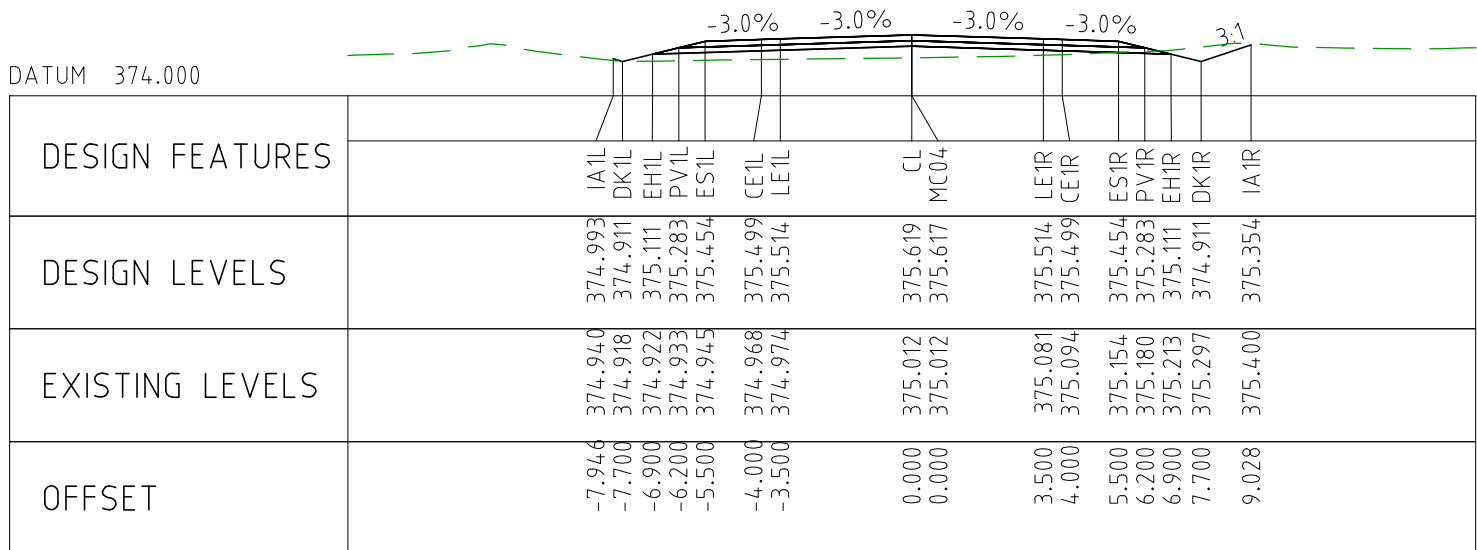
CHAINAGE 71900



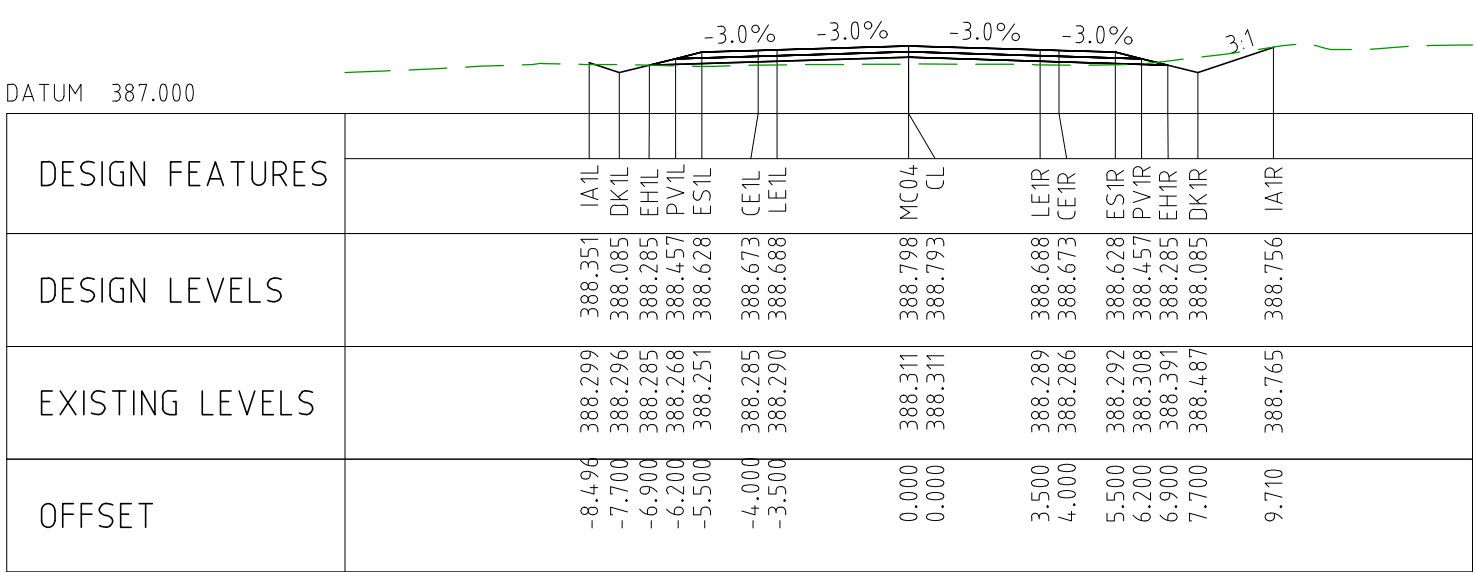
CHAINAGE 71850



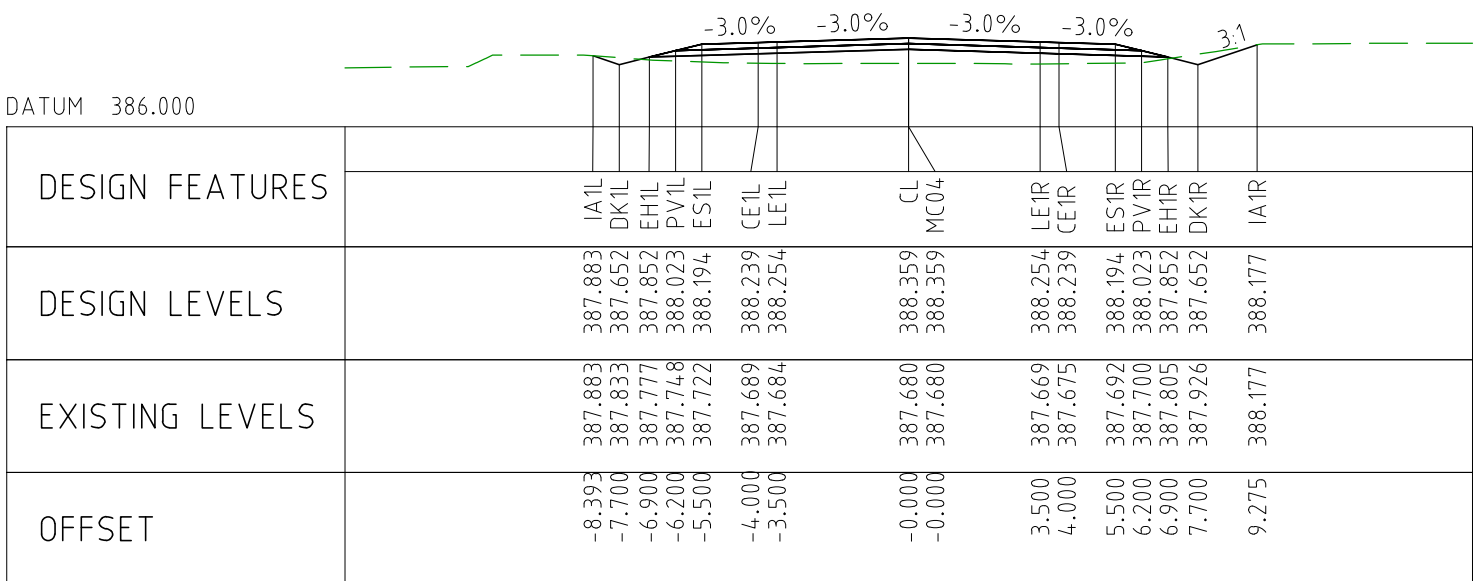
CHAINAGE 71800



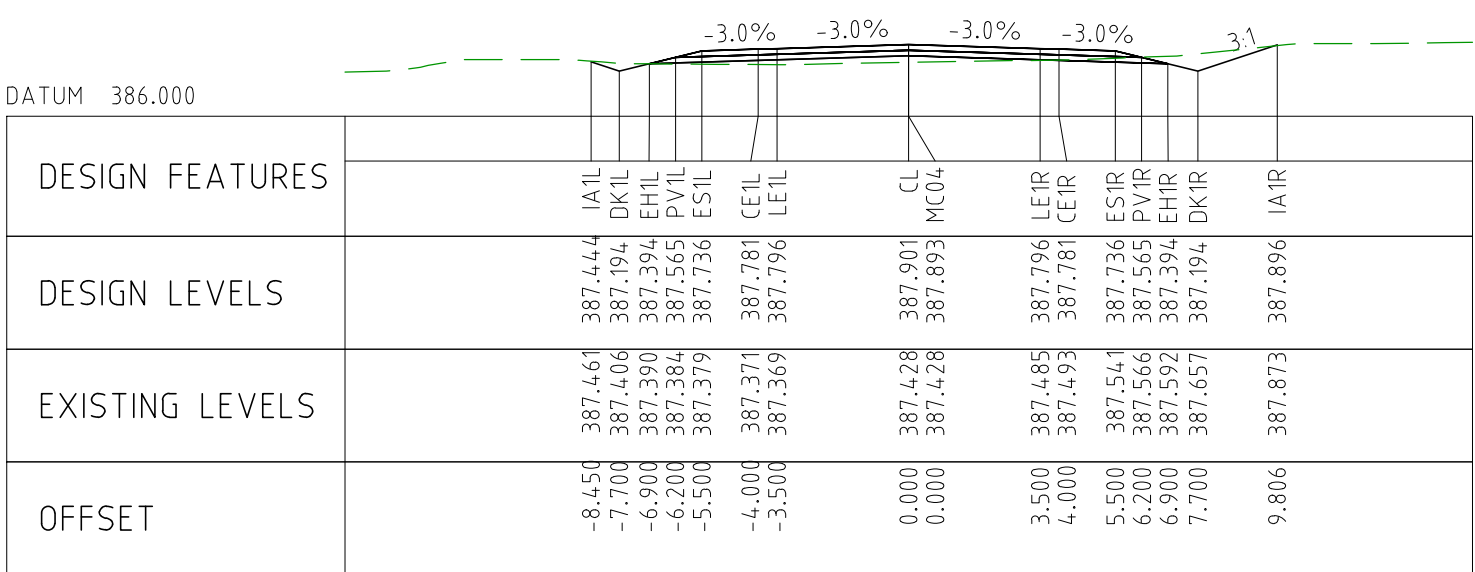
CHAINAGE 71750



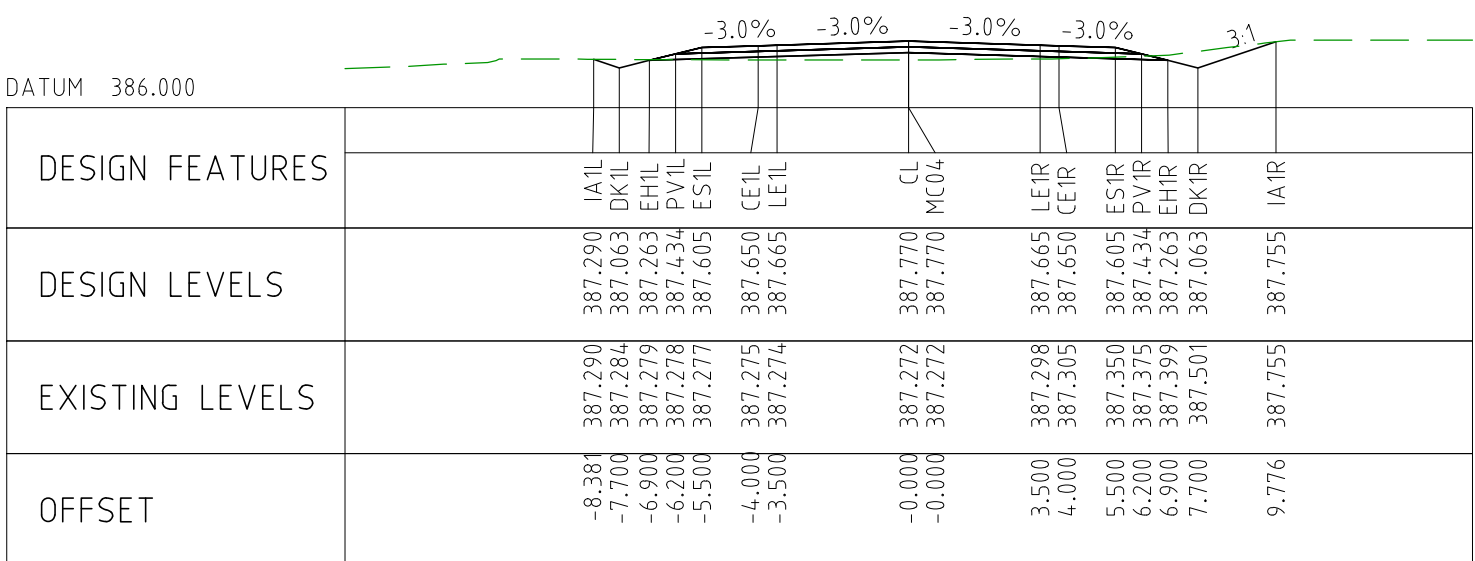
CHAINAGE 72950



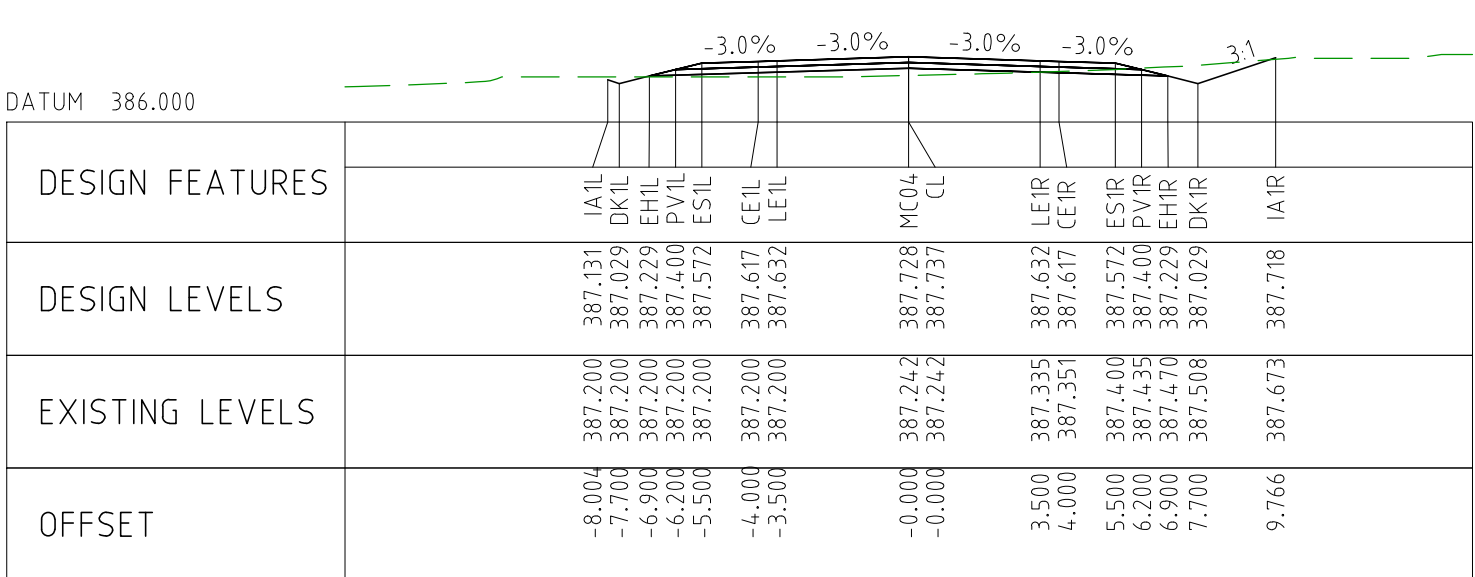
CHAINAGE 72900



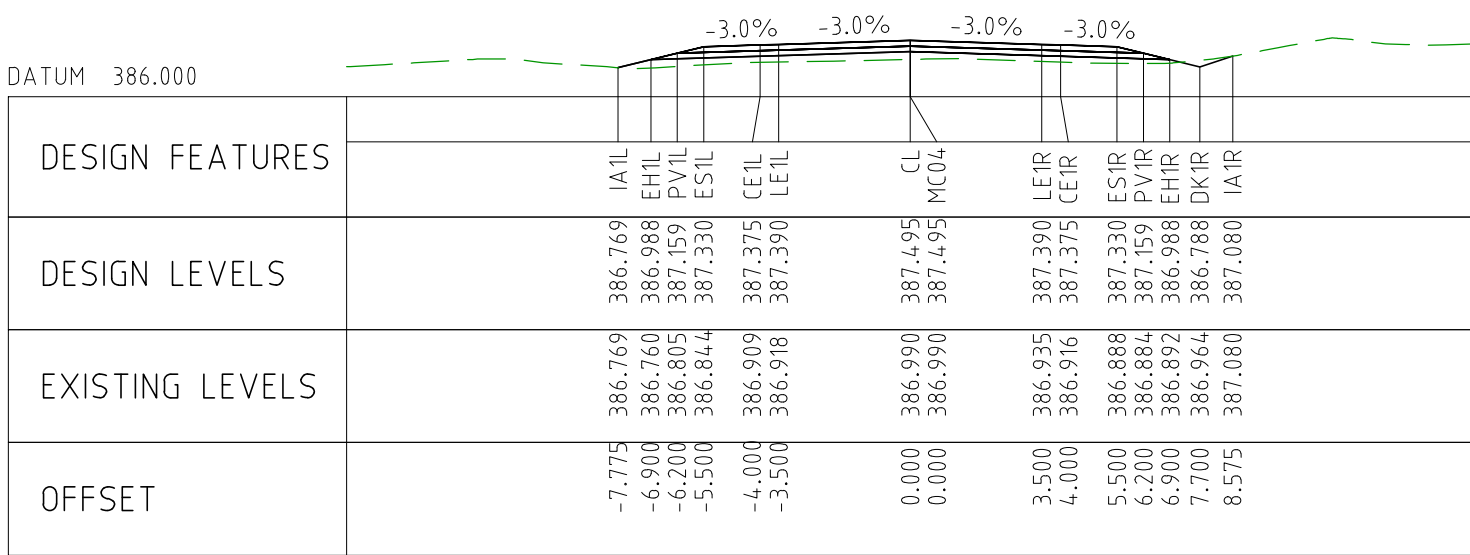
CHAINAGE 72850



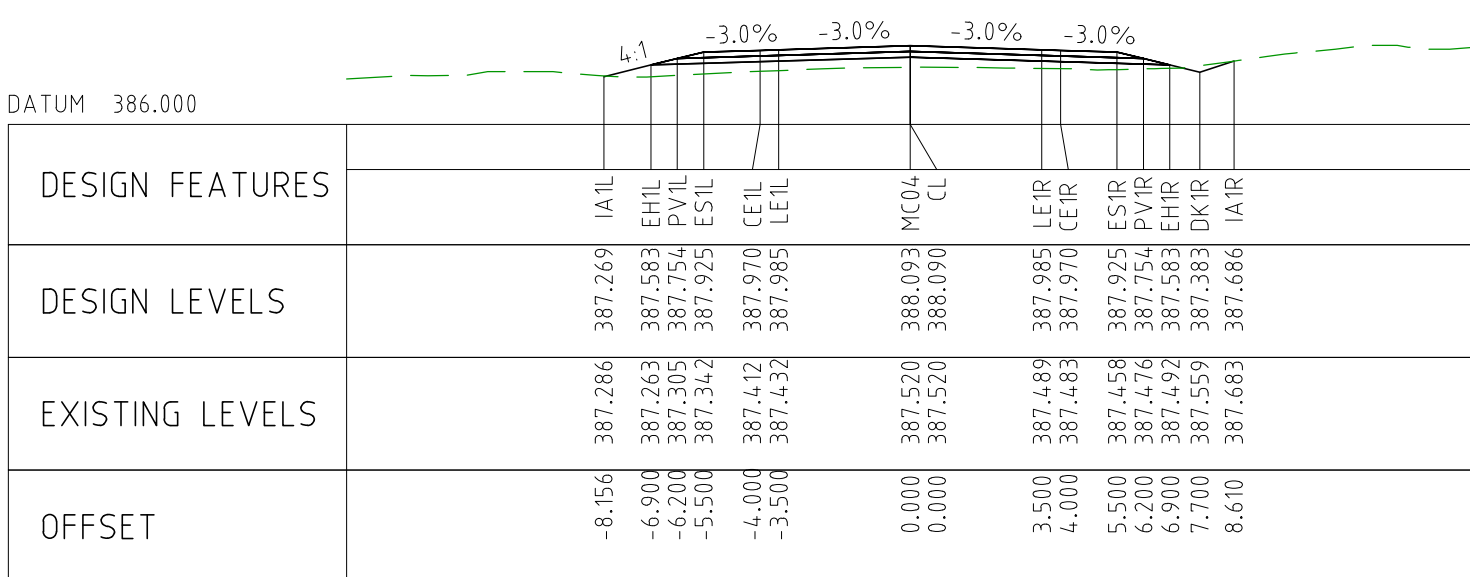
CHAINAGE 72800



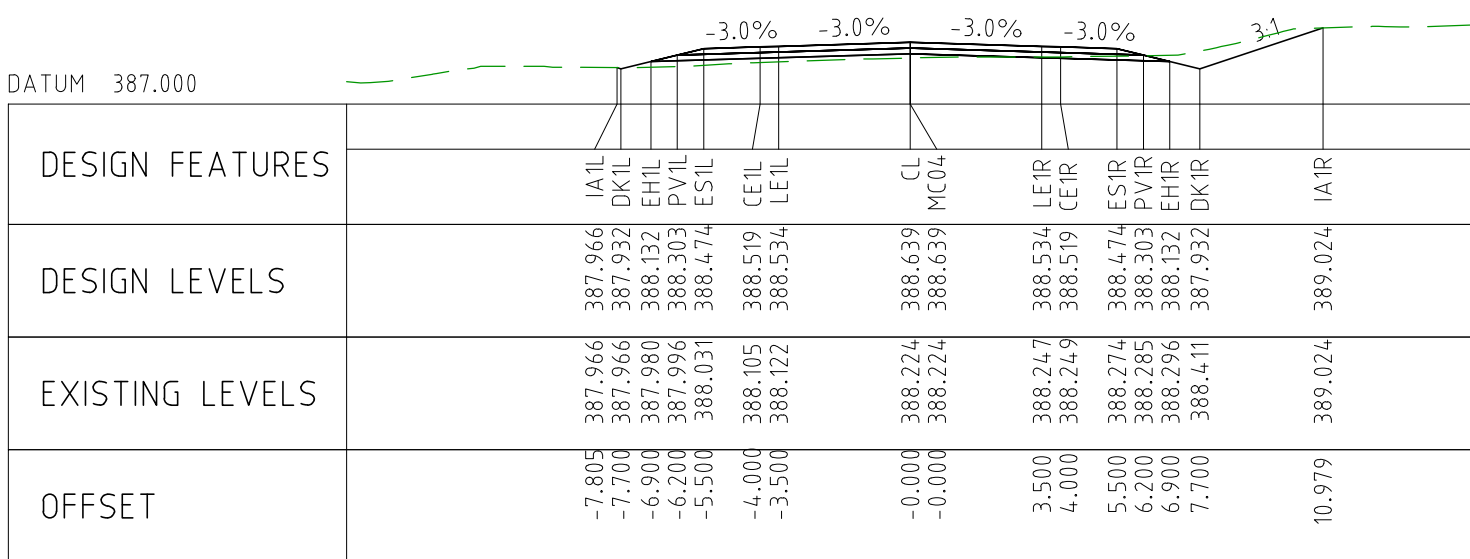
CHAINAGE 72750



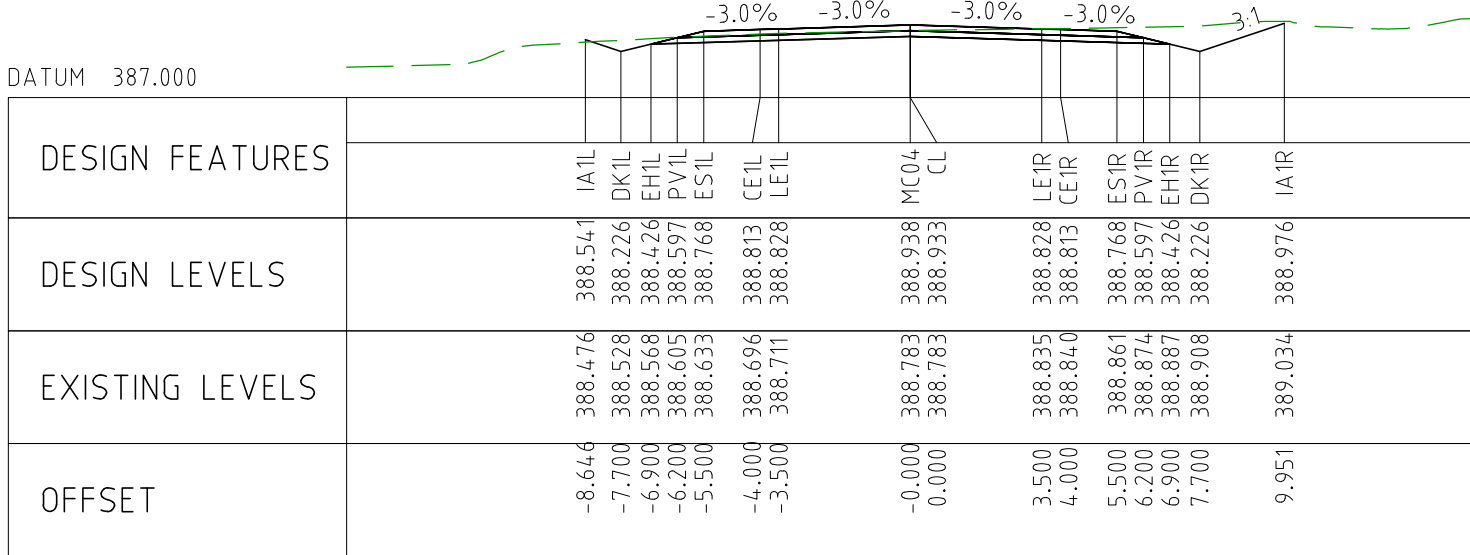
CHAINAGE 73200



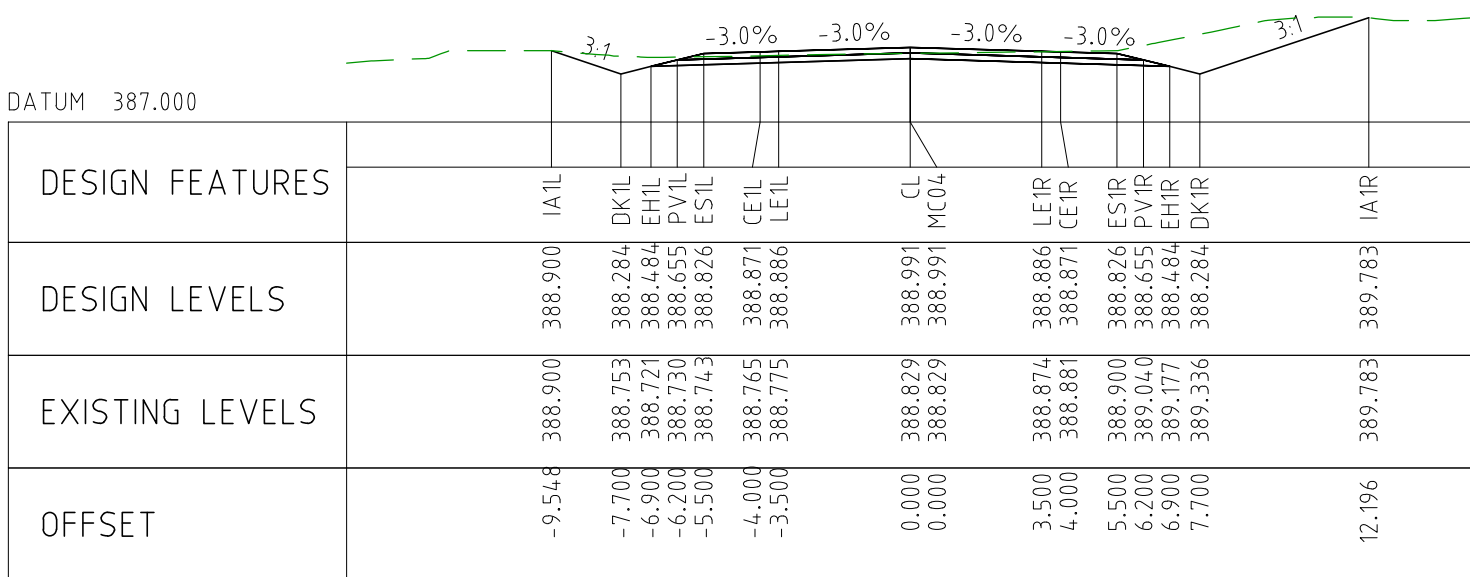
CHAINAGE 73150



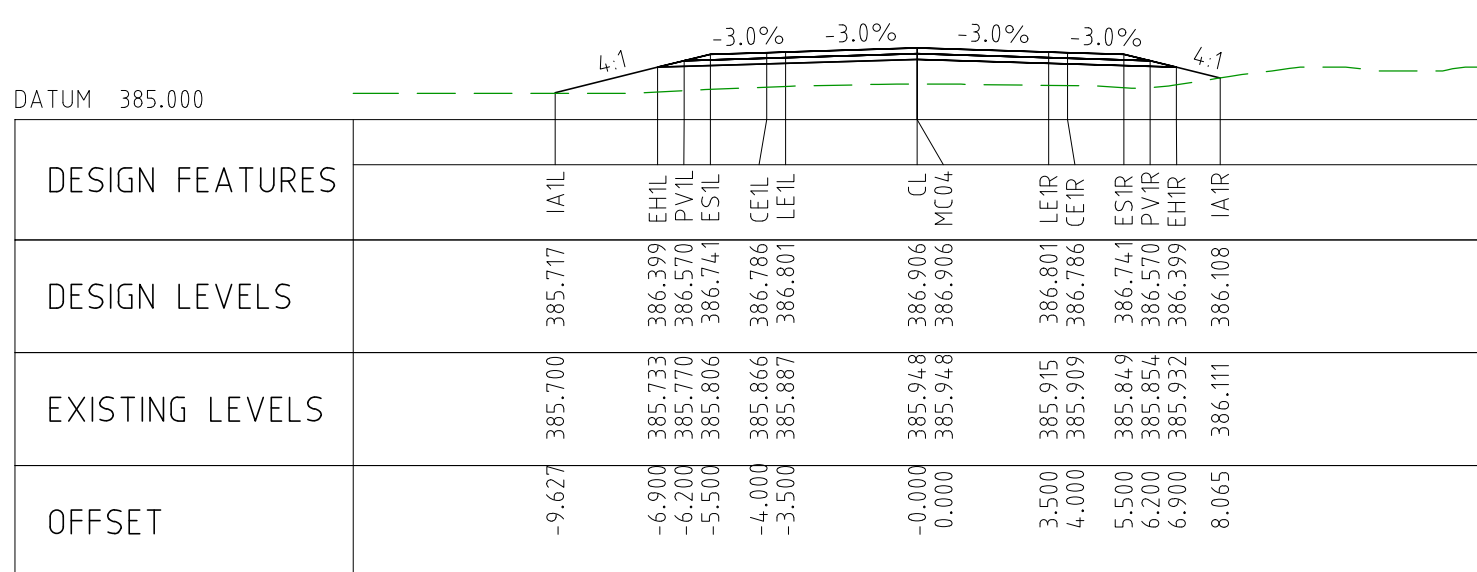
CHAINAGE 73100



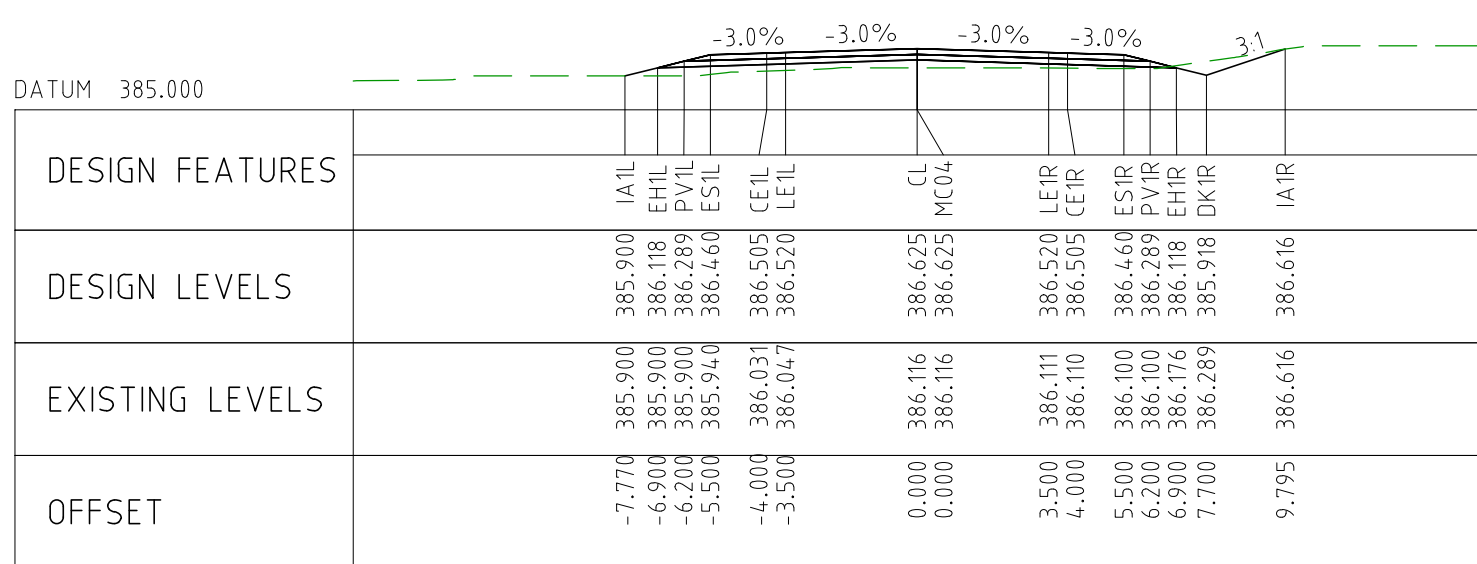
CHAINAGE 73050



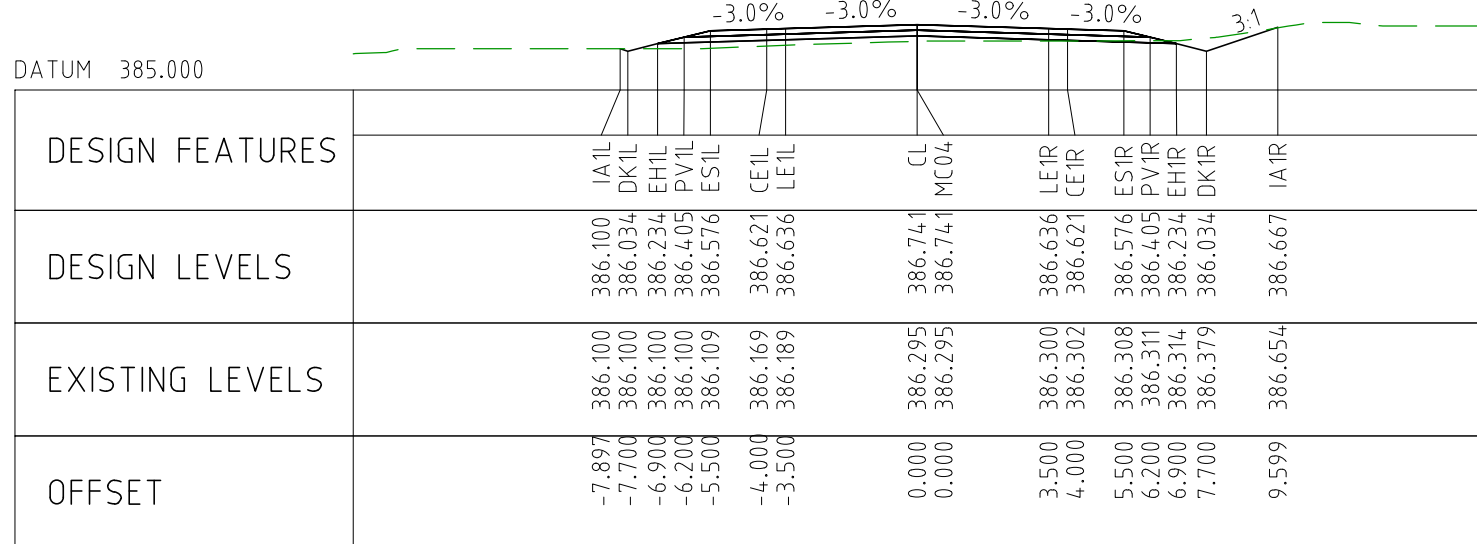
CHAINAGE 73000

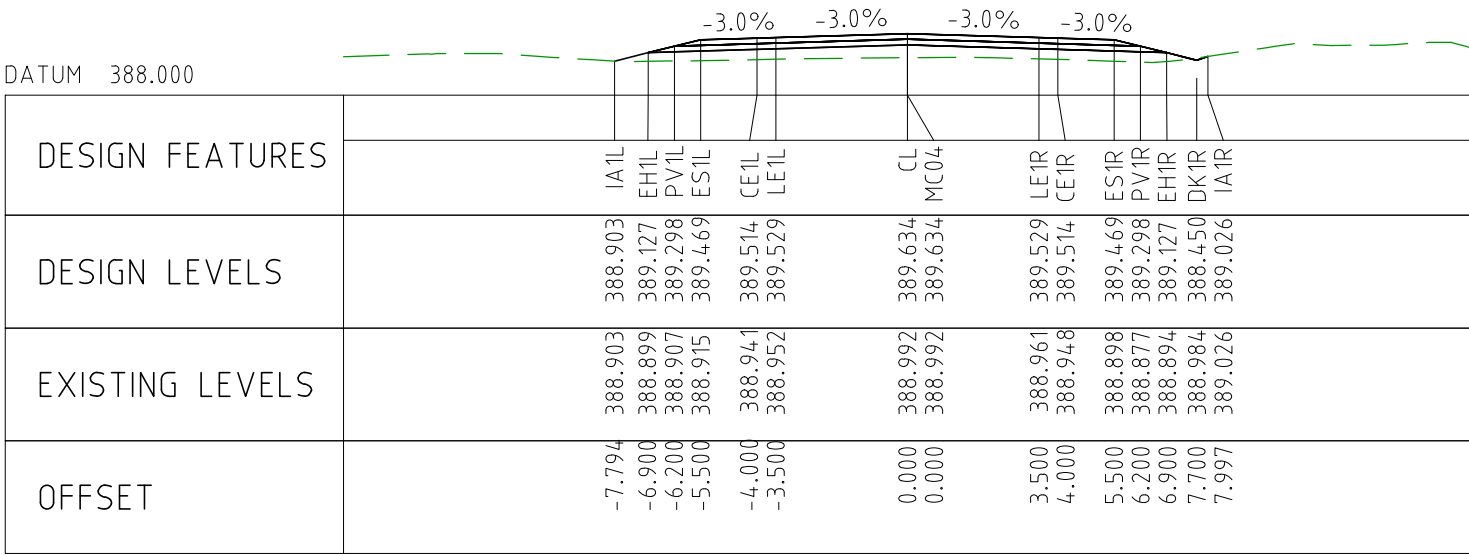


CHAINAGE 73450

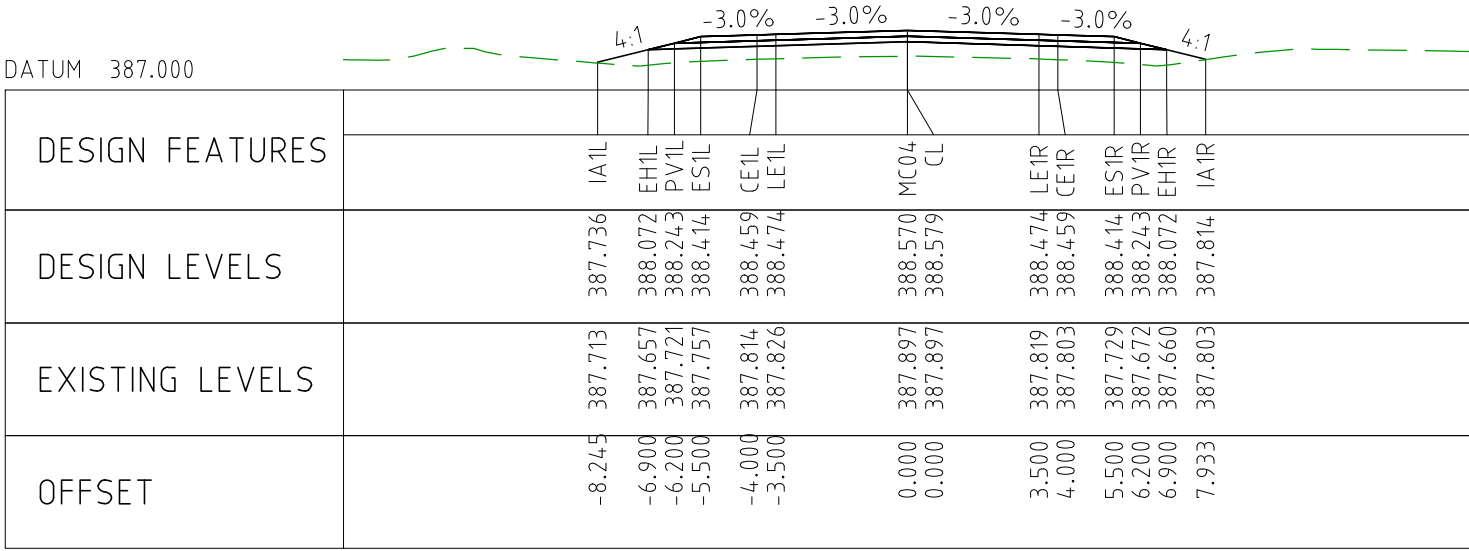


CHAINAGE 73400

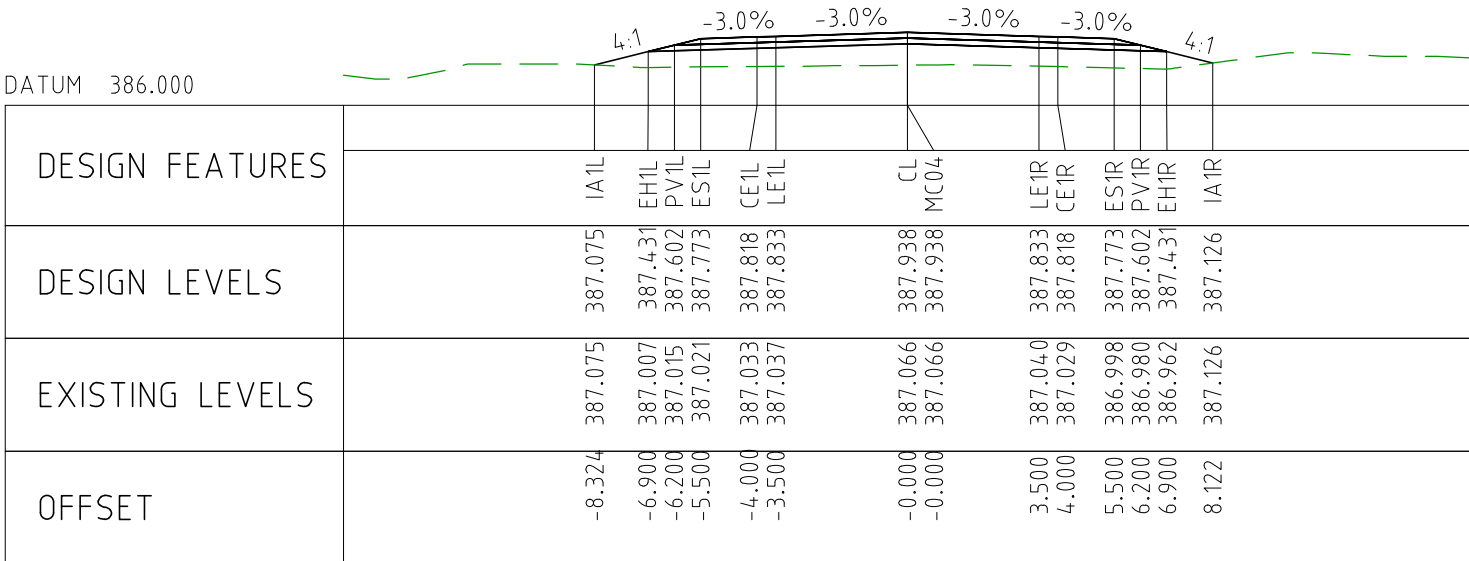




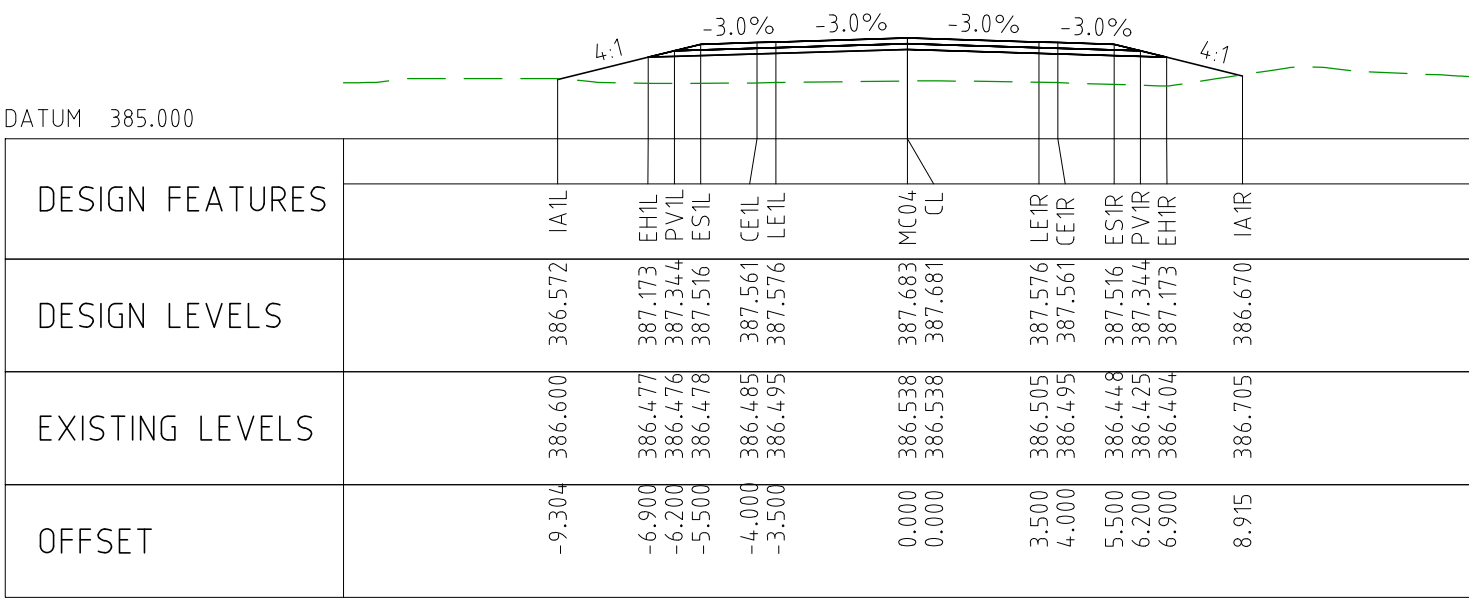
CHAINAGE 73700



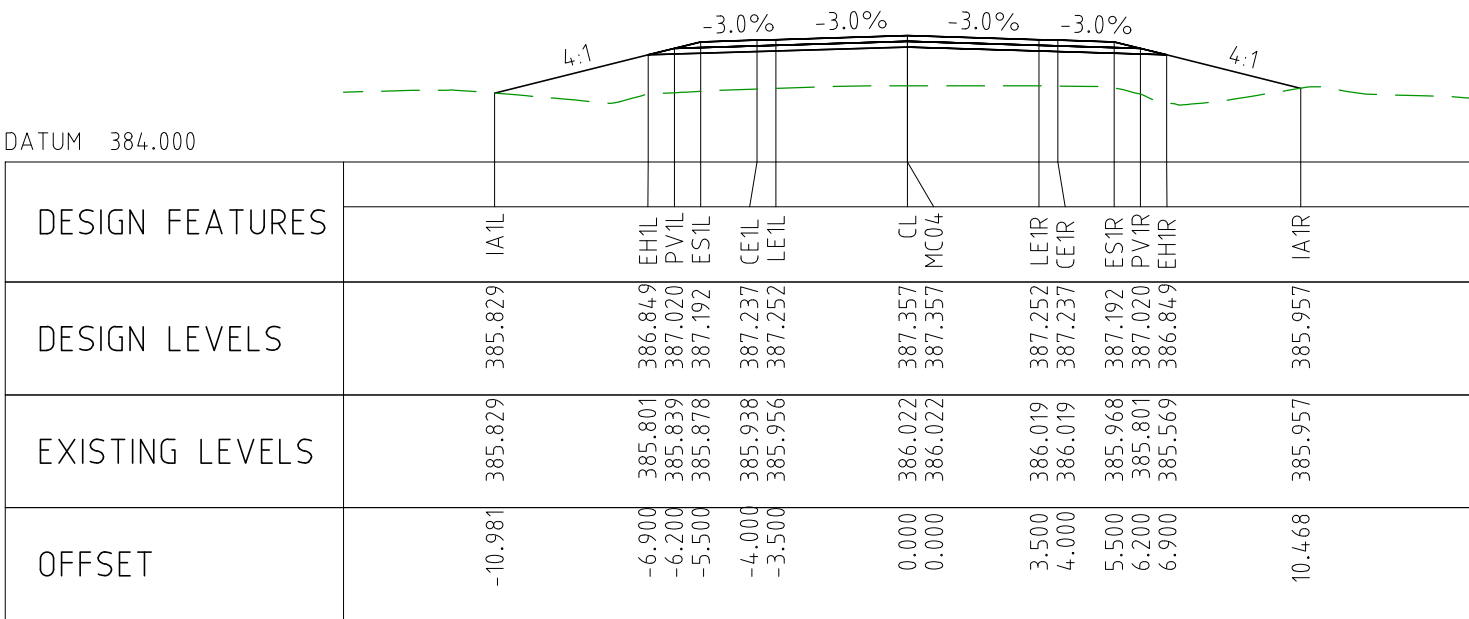
CHAINAGE 73650



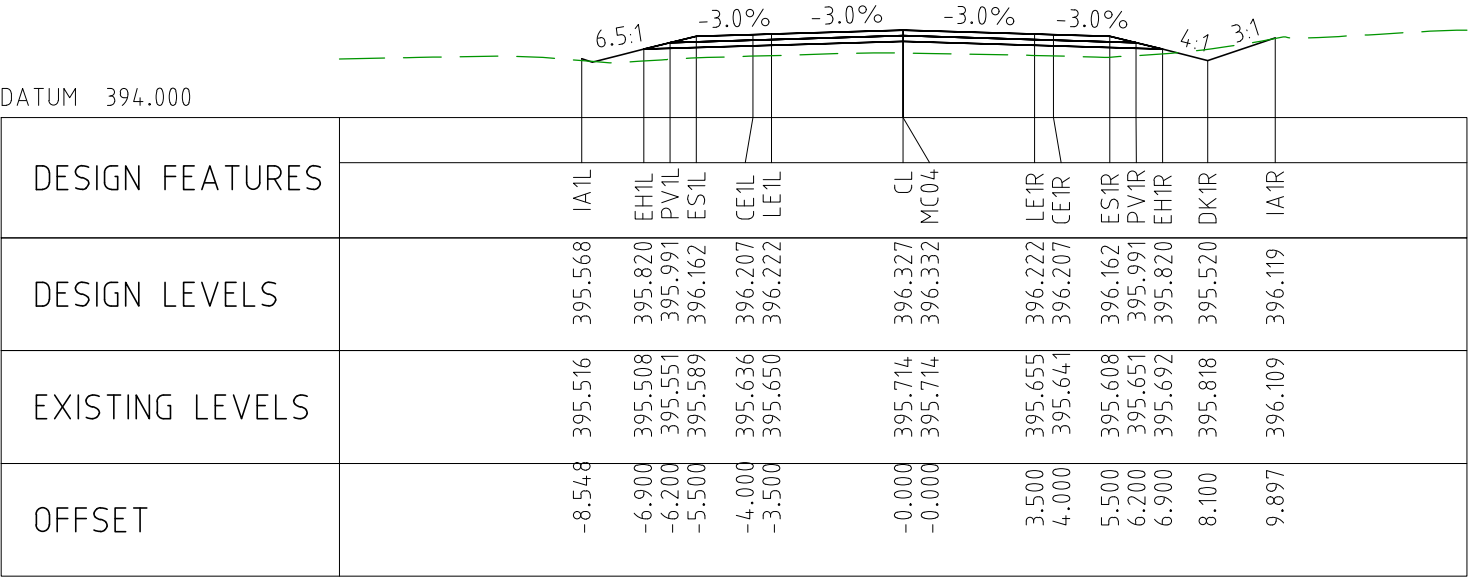
CHAINAGE 73600



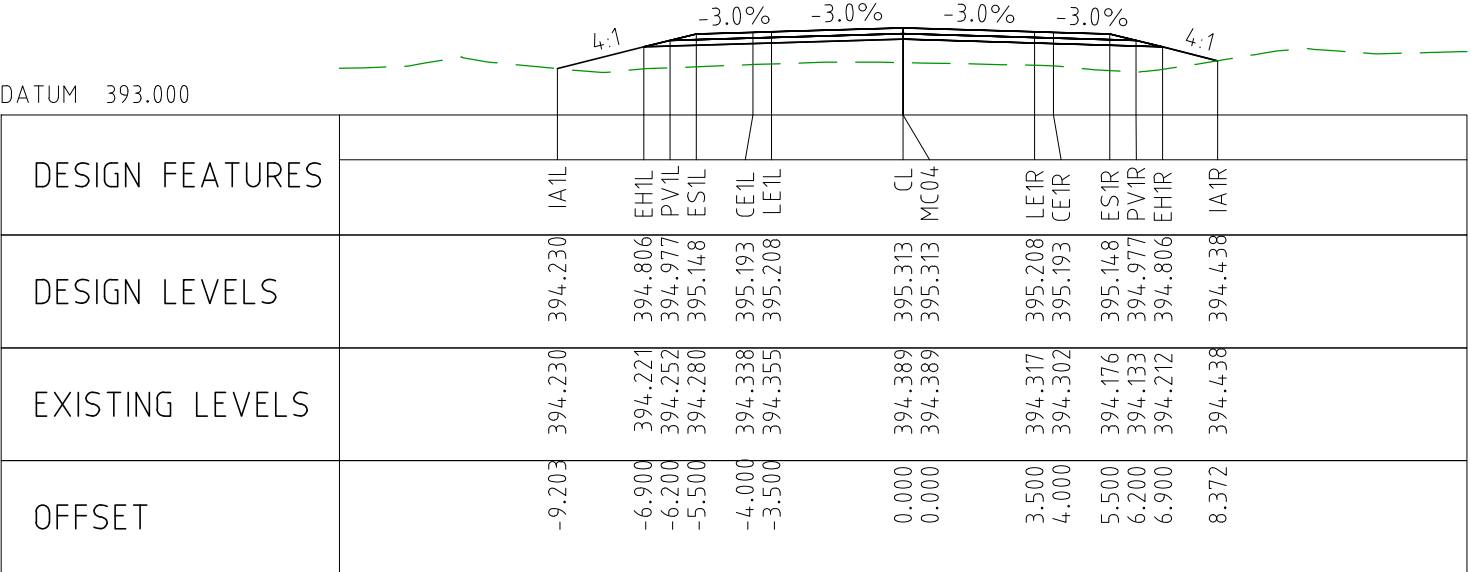
CHAINAGE 73550



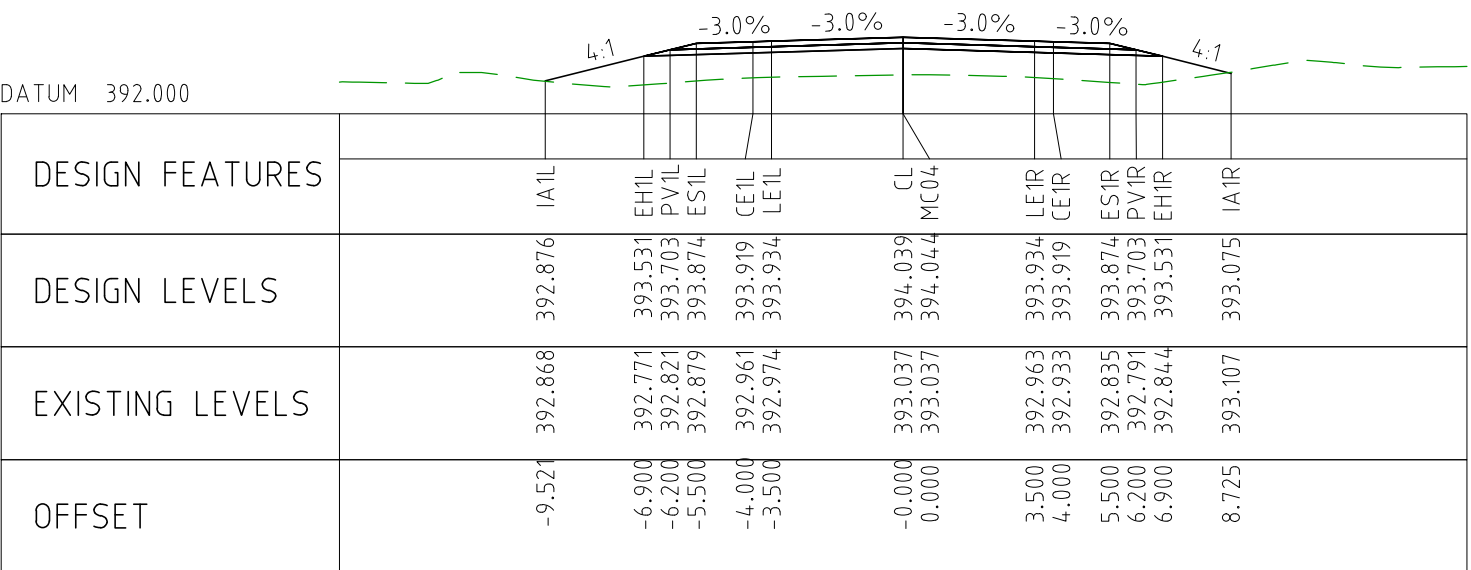
CHAINAGE 73500



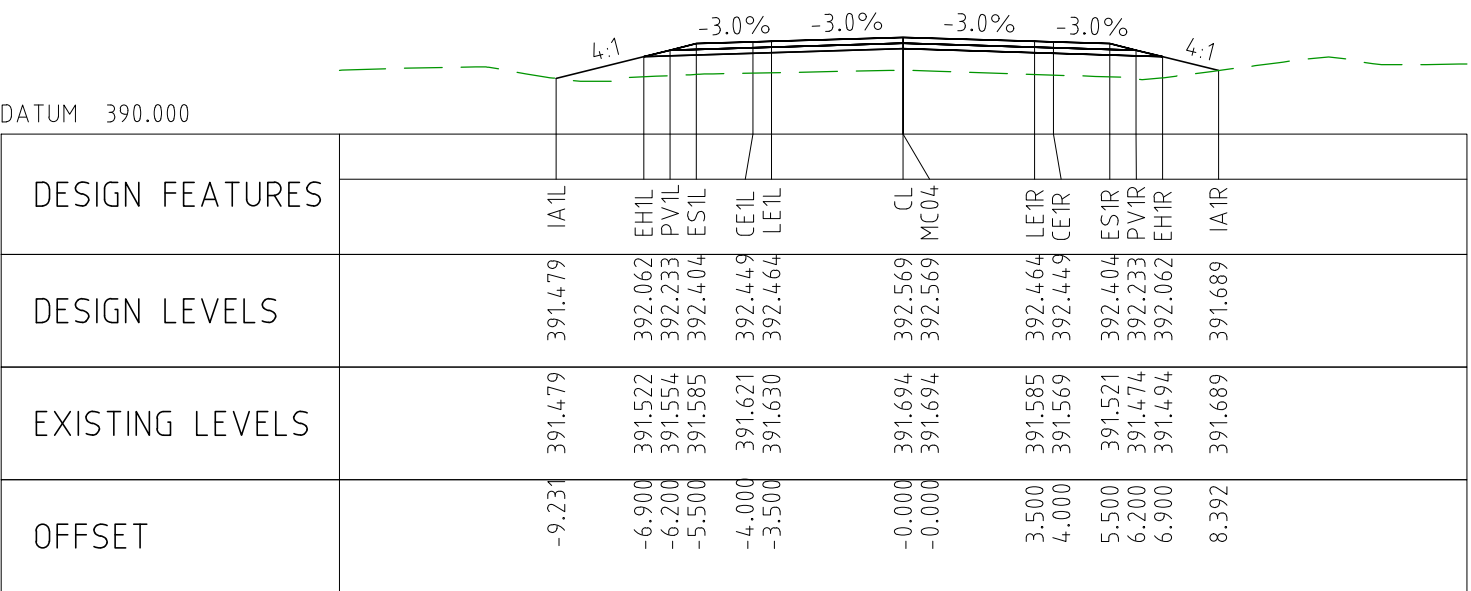
CHAINAGE 73950



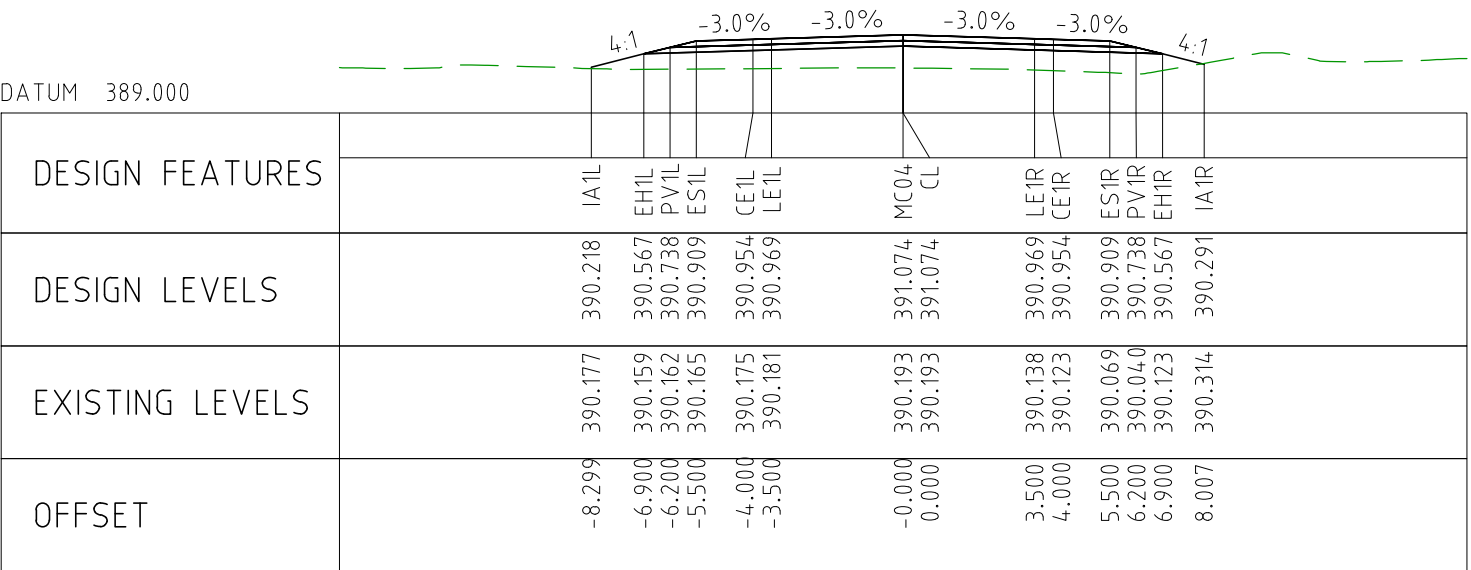
CHAINAGE 73900



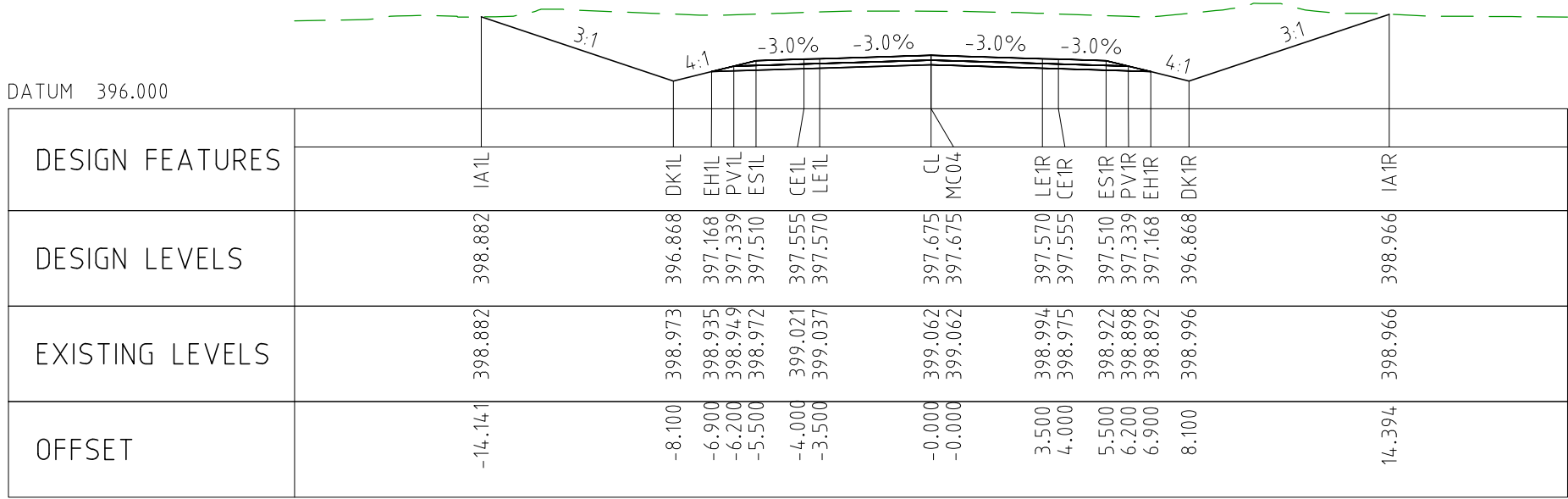
CHAINAGE 73850



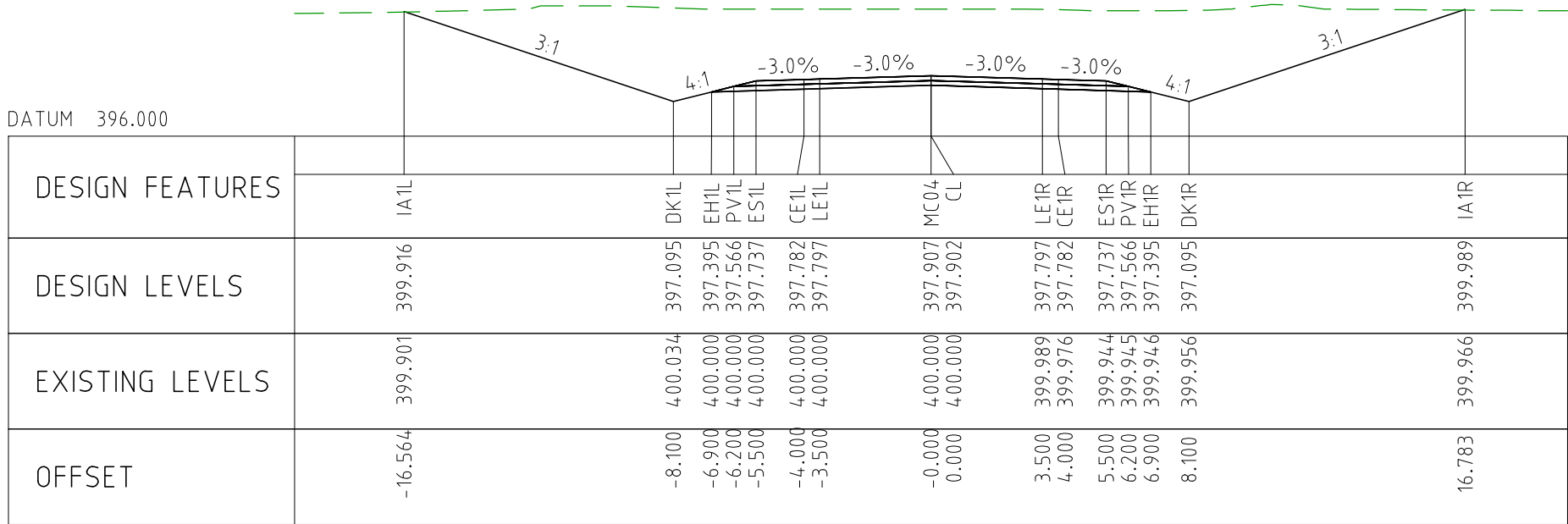
CHAINAGE 73800



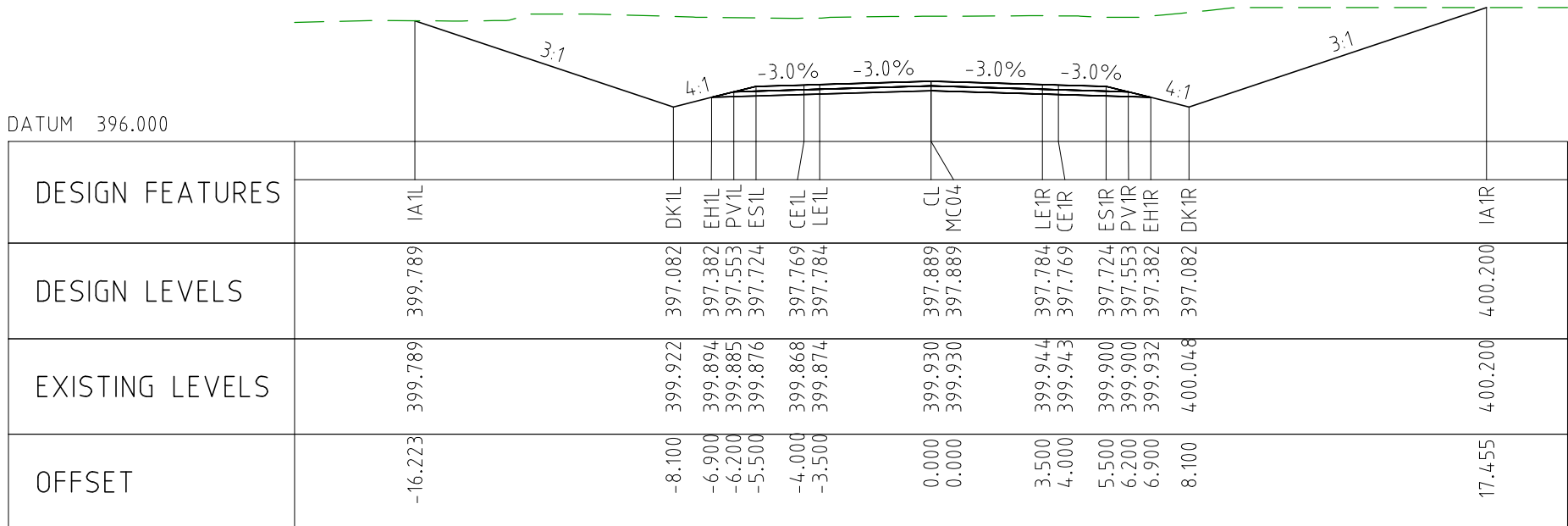
CHAINAGE 73750



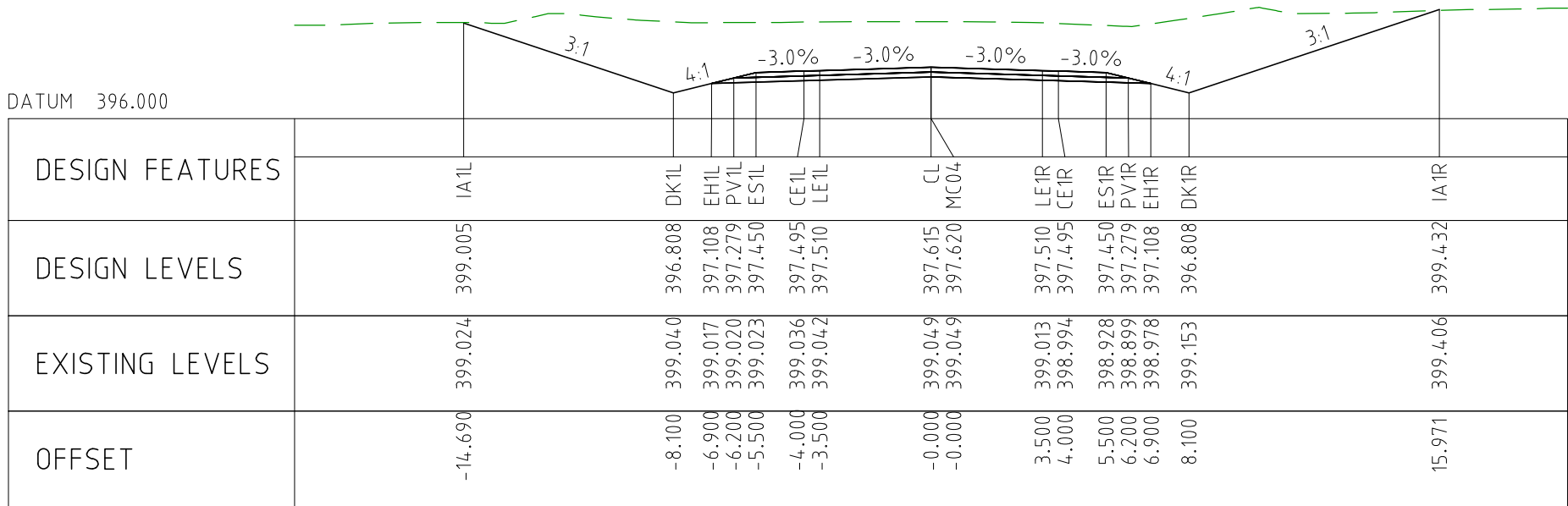
CHAINAGE 74200



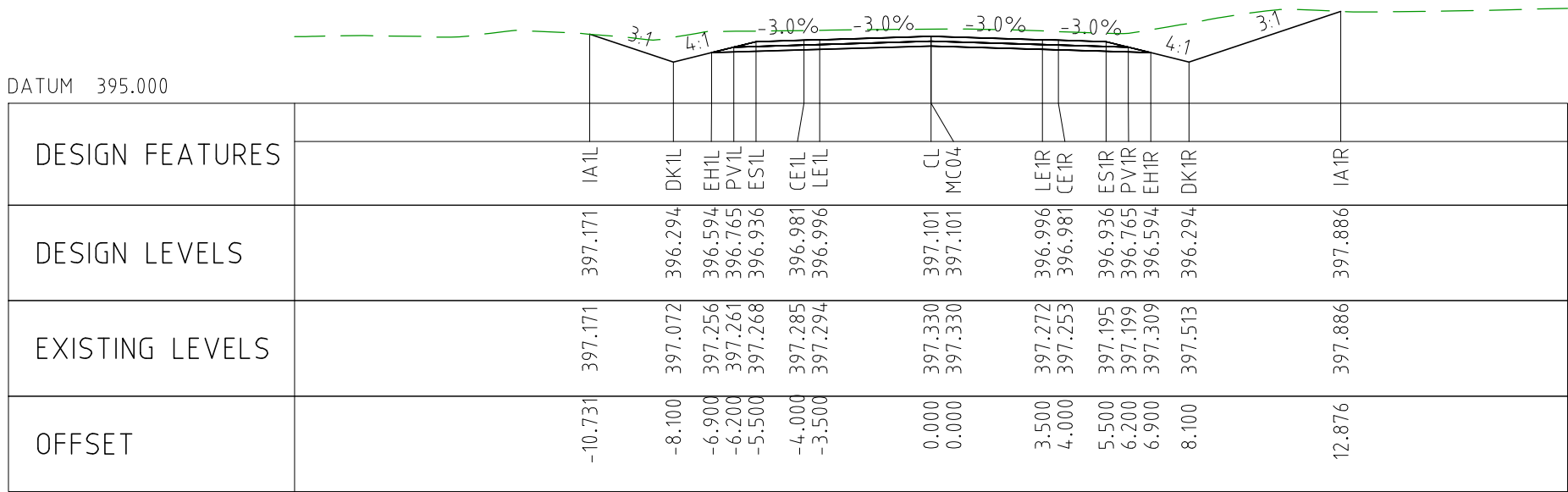
CHAINAGE 74150



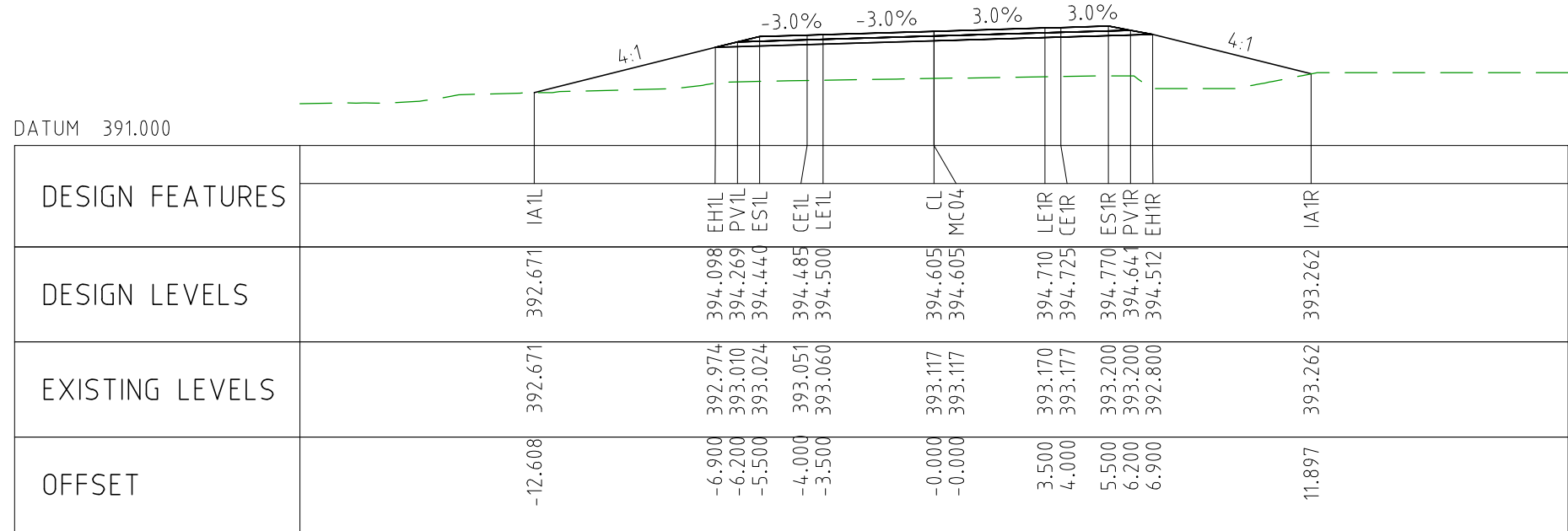
CHAINAGE 74100



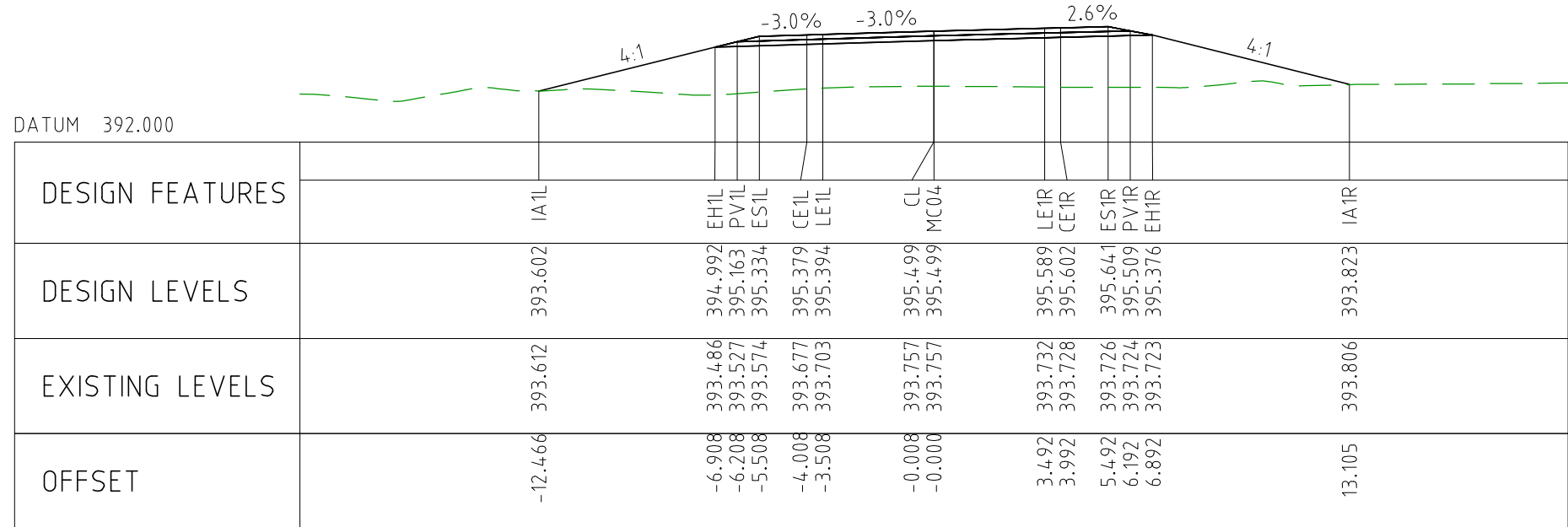
CHAINAGE 74050



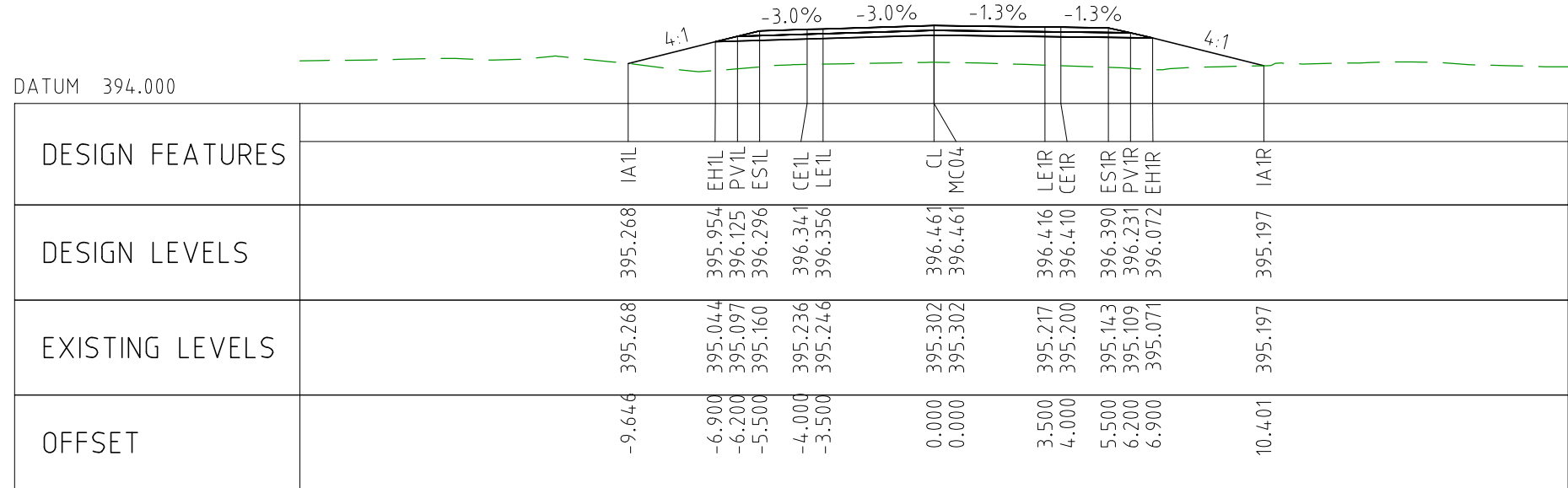
CHAINAGE 74000



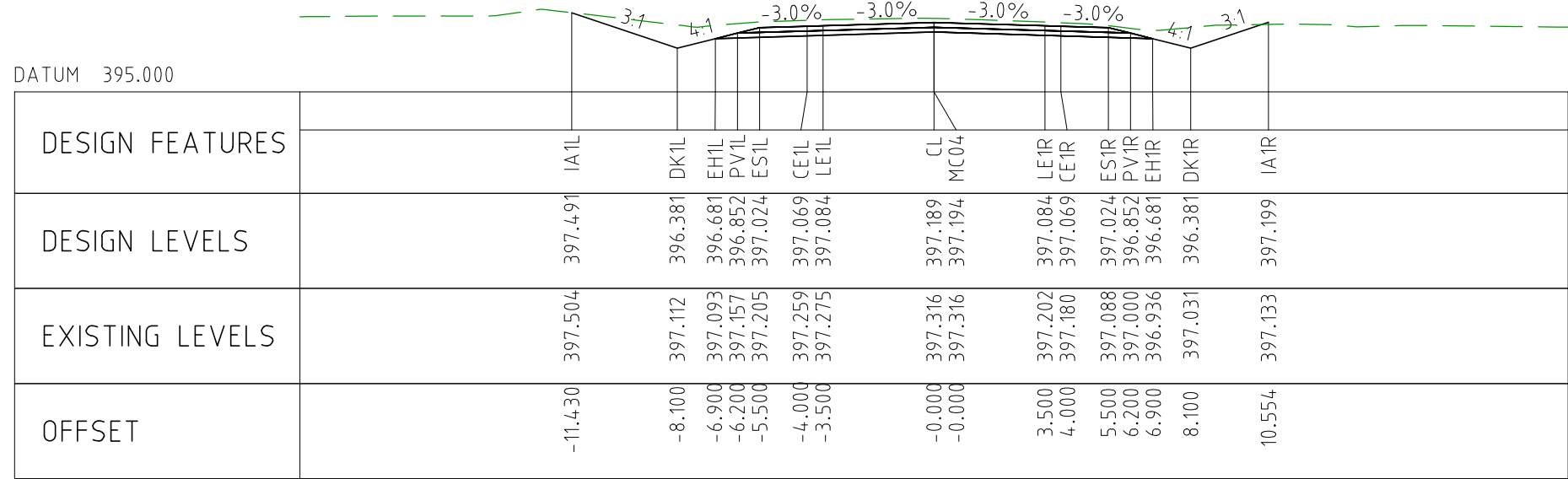
CHAINAGE 74400



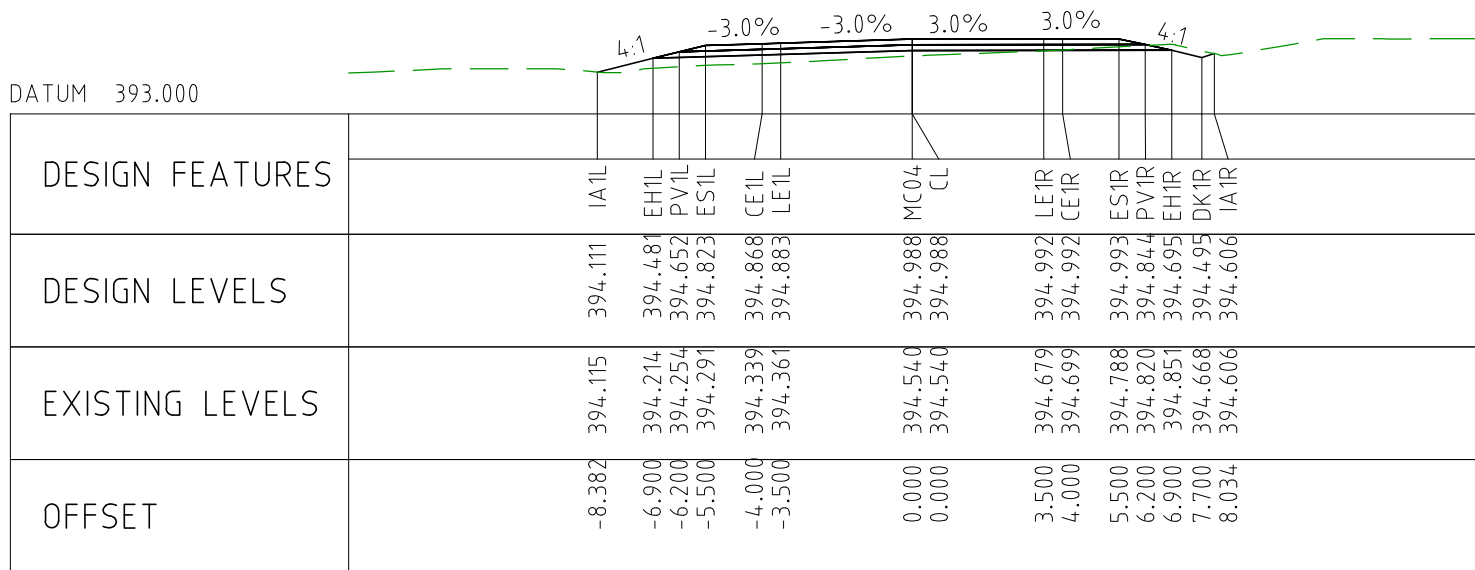
CHAINAGE 74350



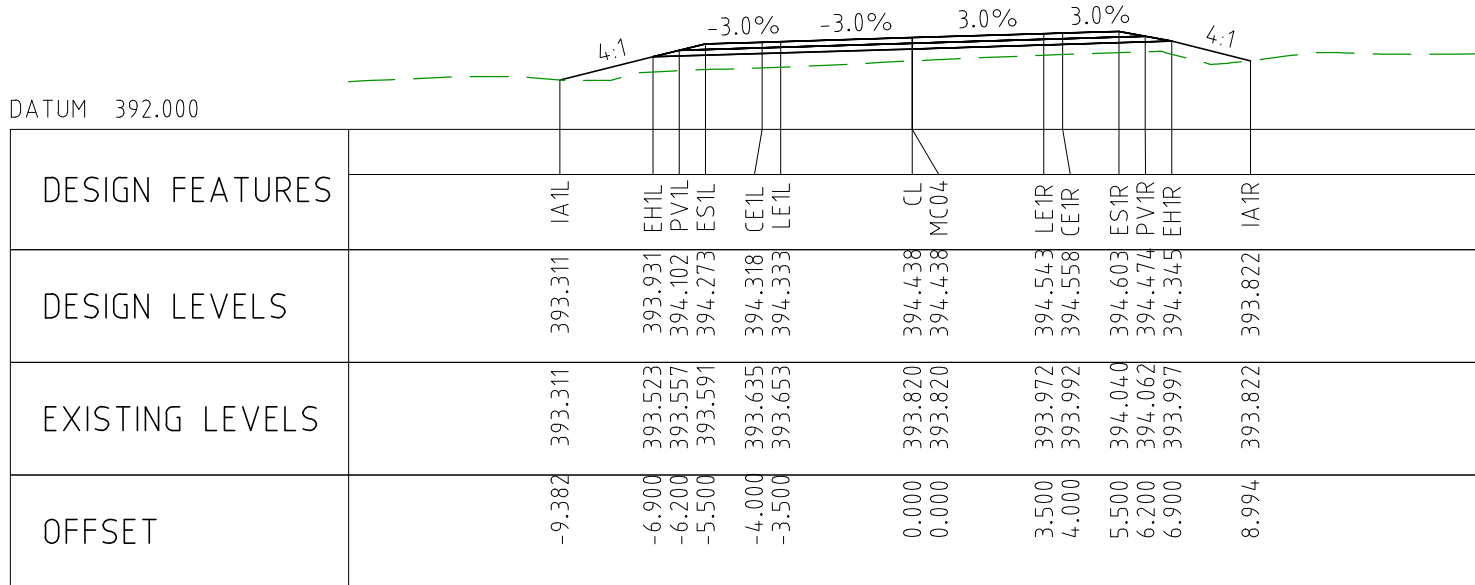
CHAINAGE 74300



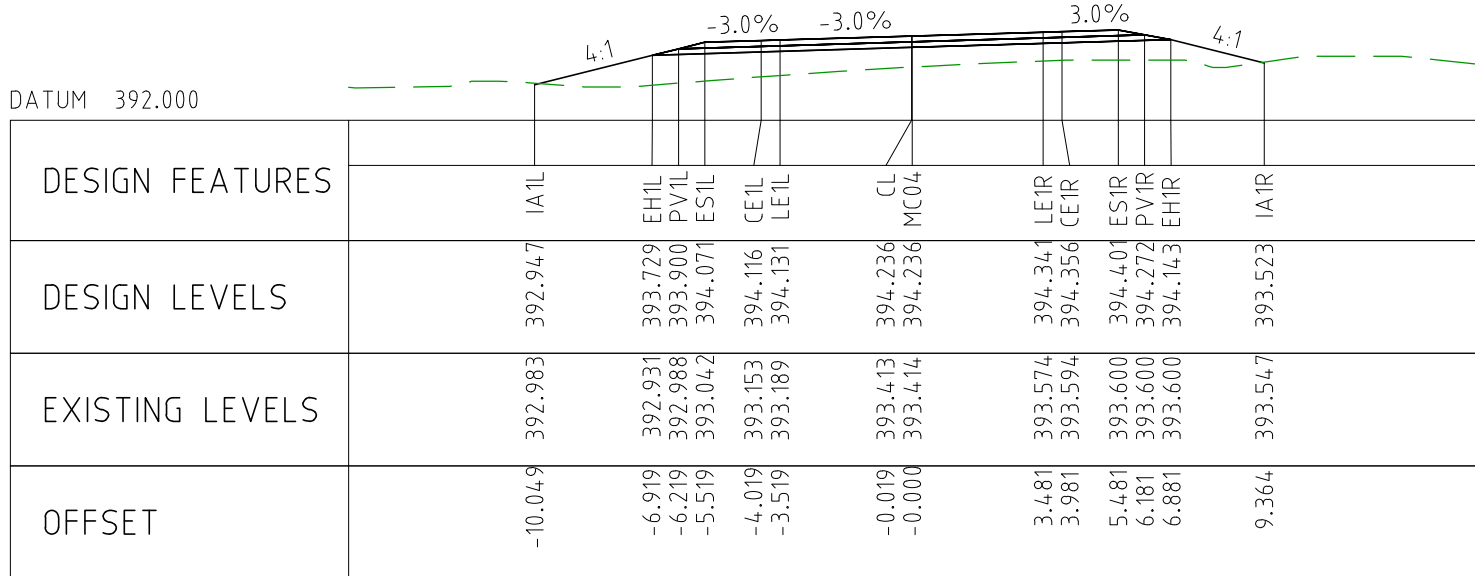
CHAINAGE 74250



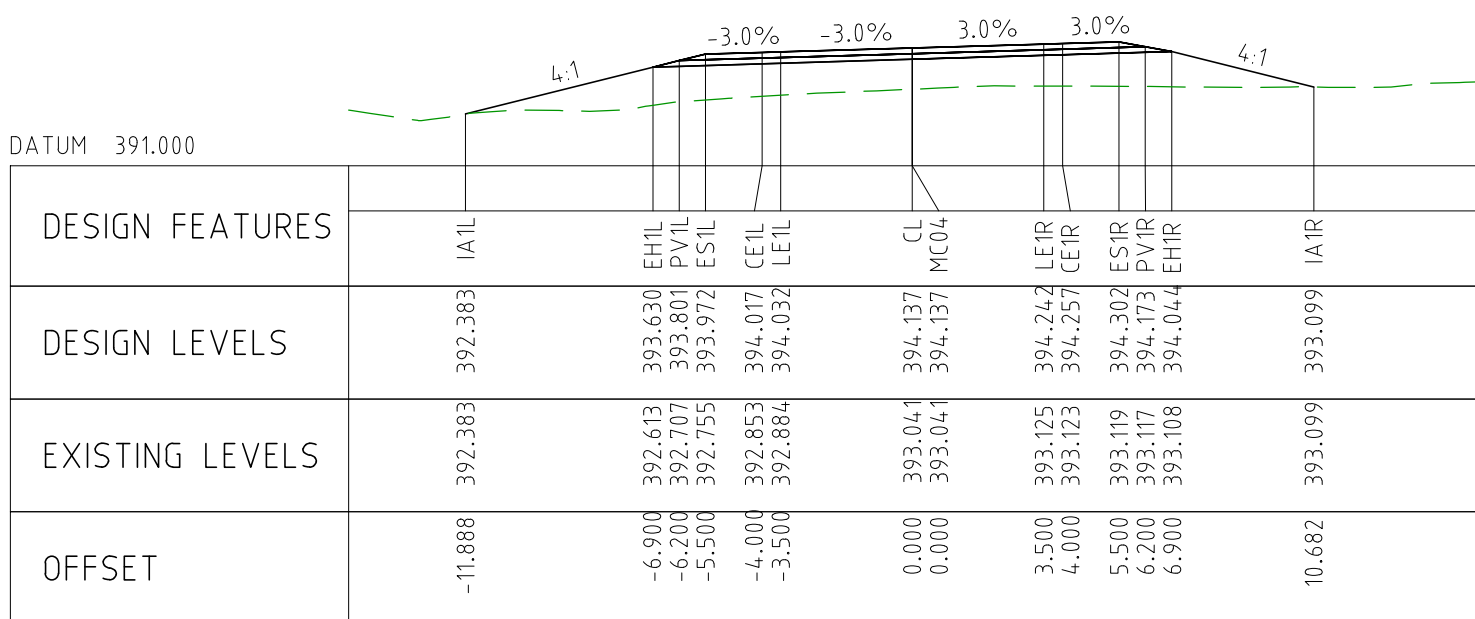
CHAINAGE 74650



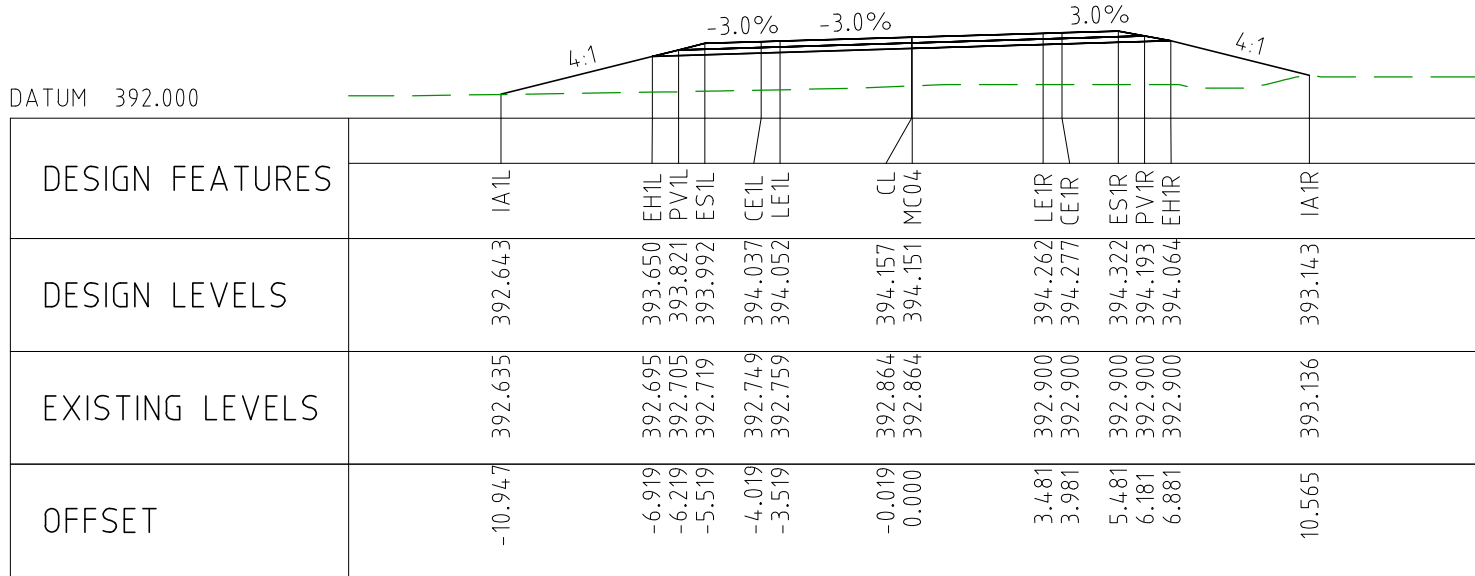
CHAINAGE 74600



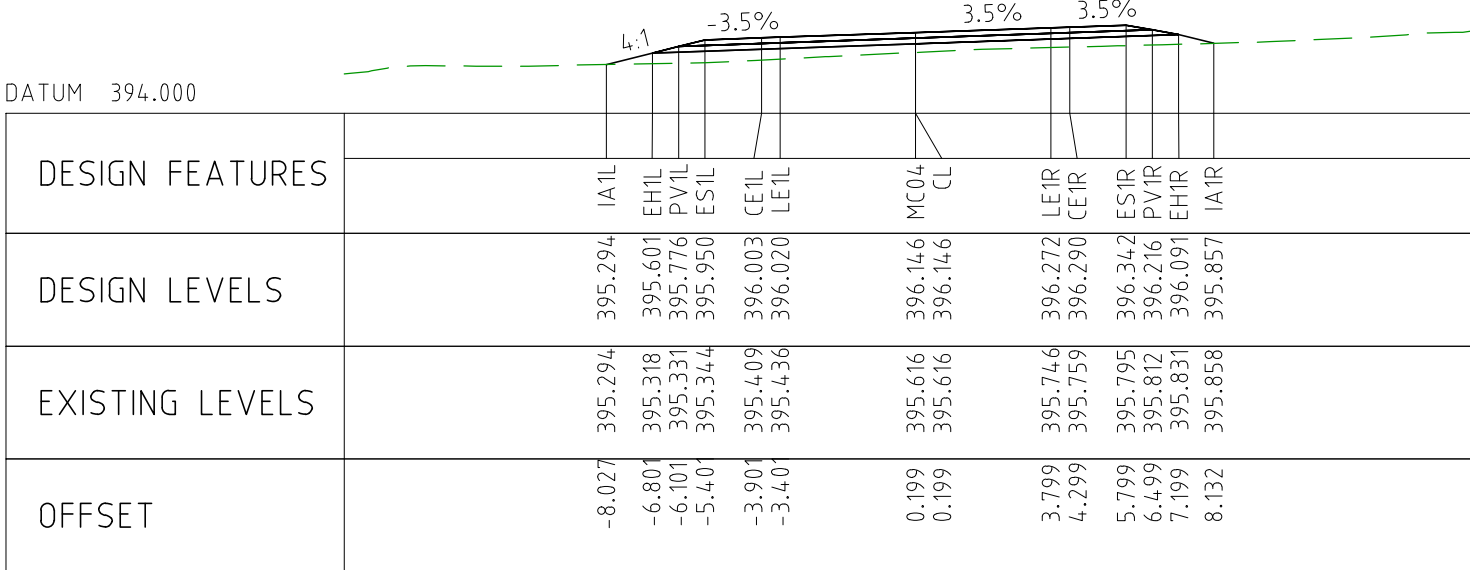
CHAINAGE 74550



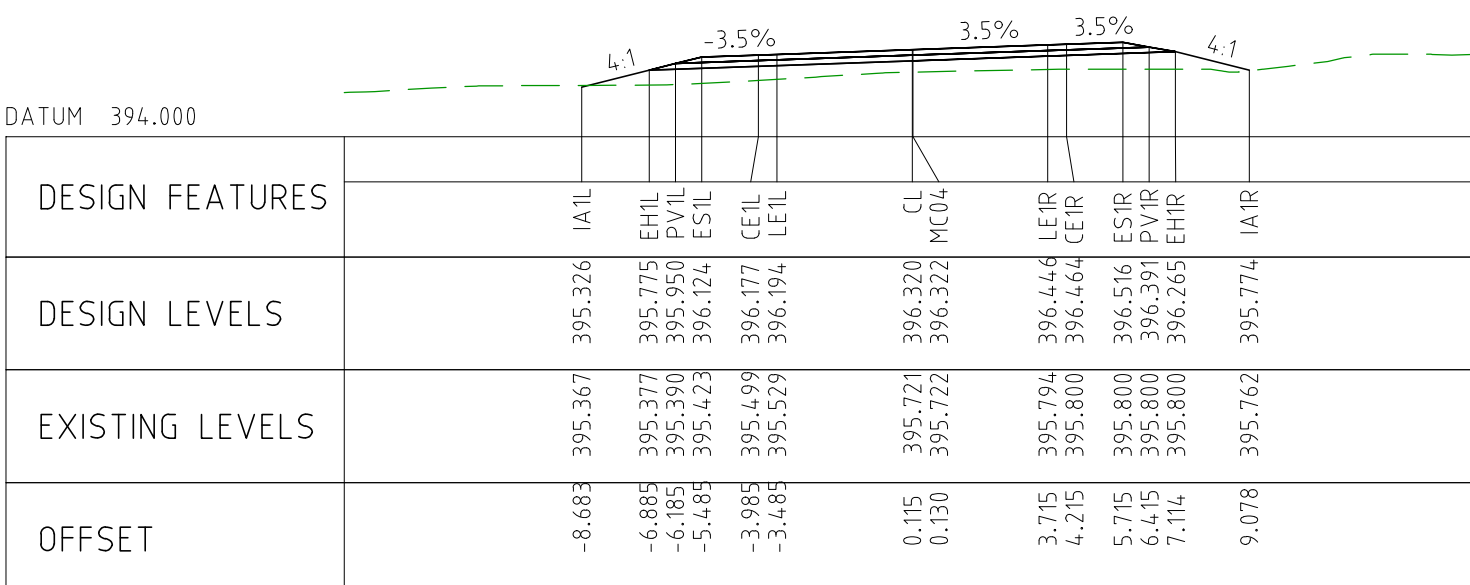
CHAINAGE 74500



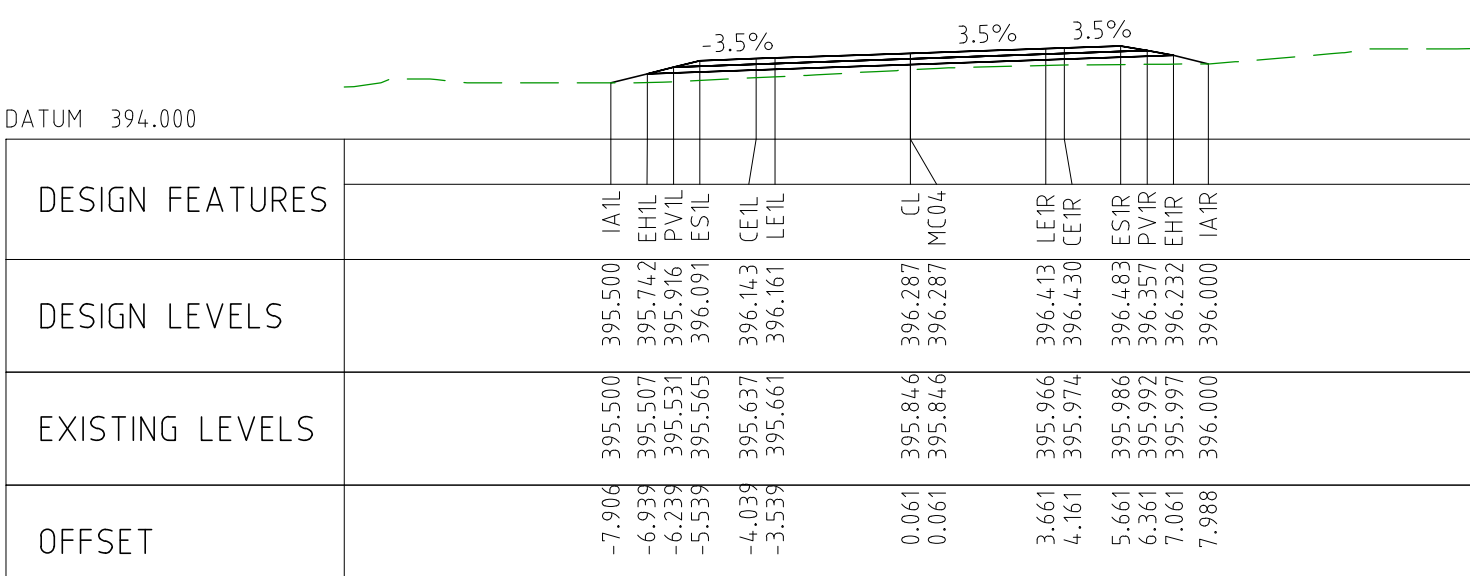
CHAINAGE 74450



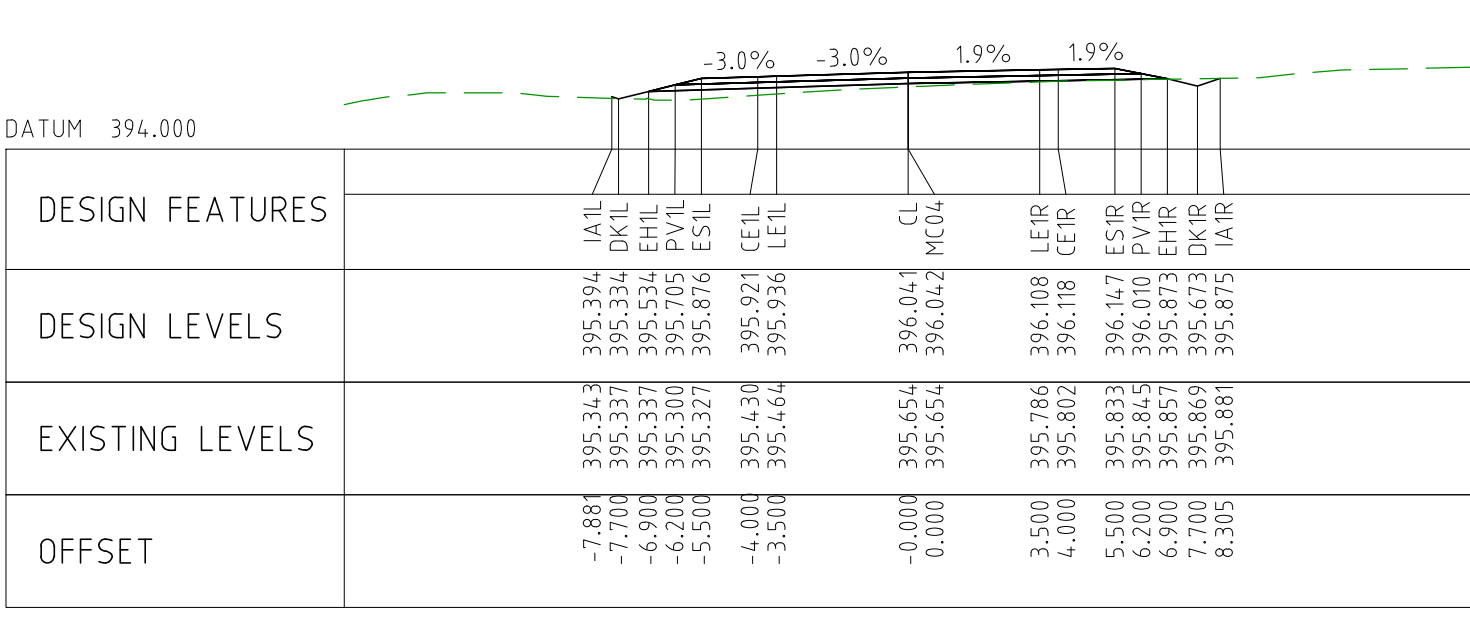
CHAINAGE 74900



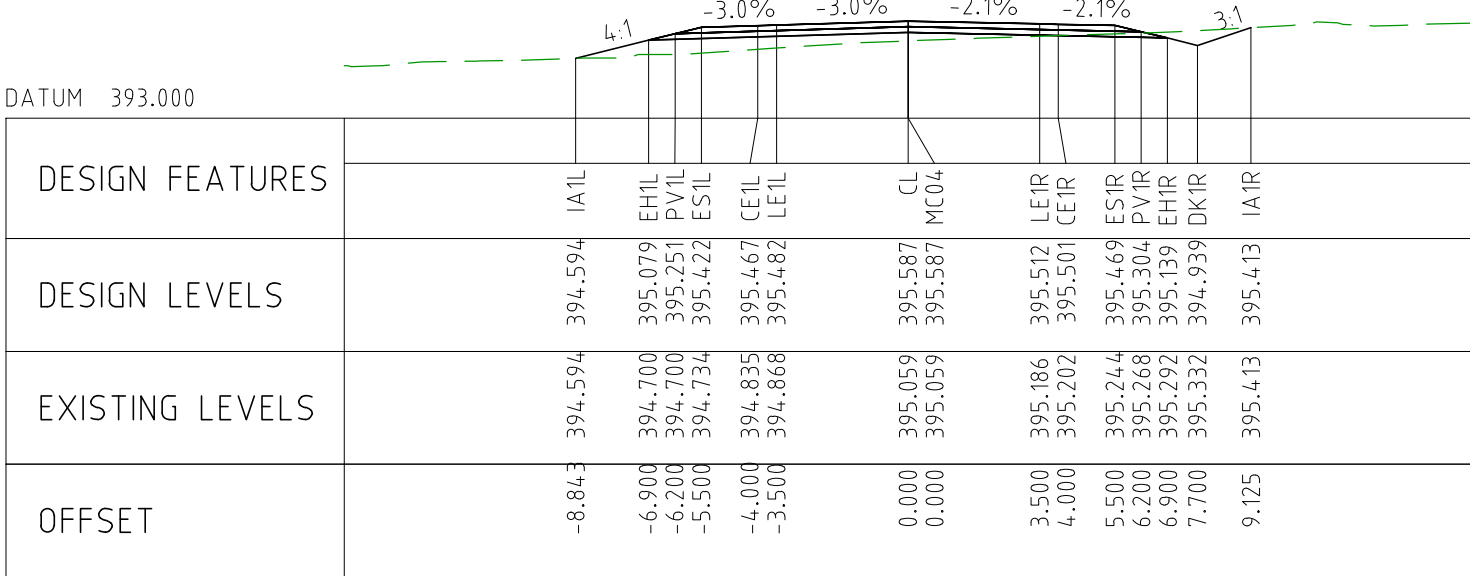
CHAINAGE 74850



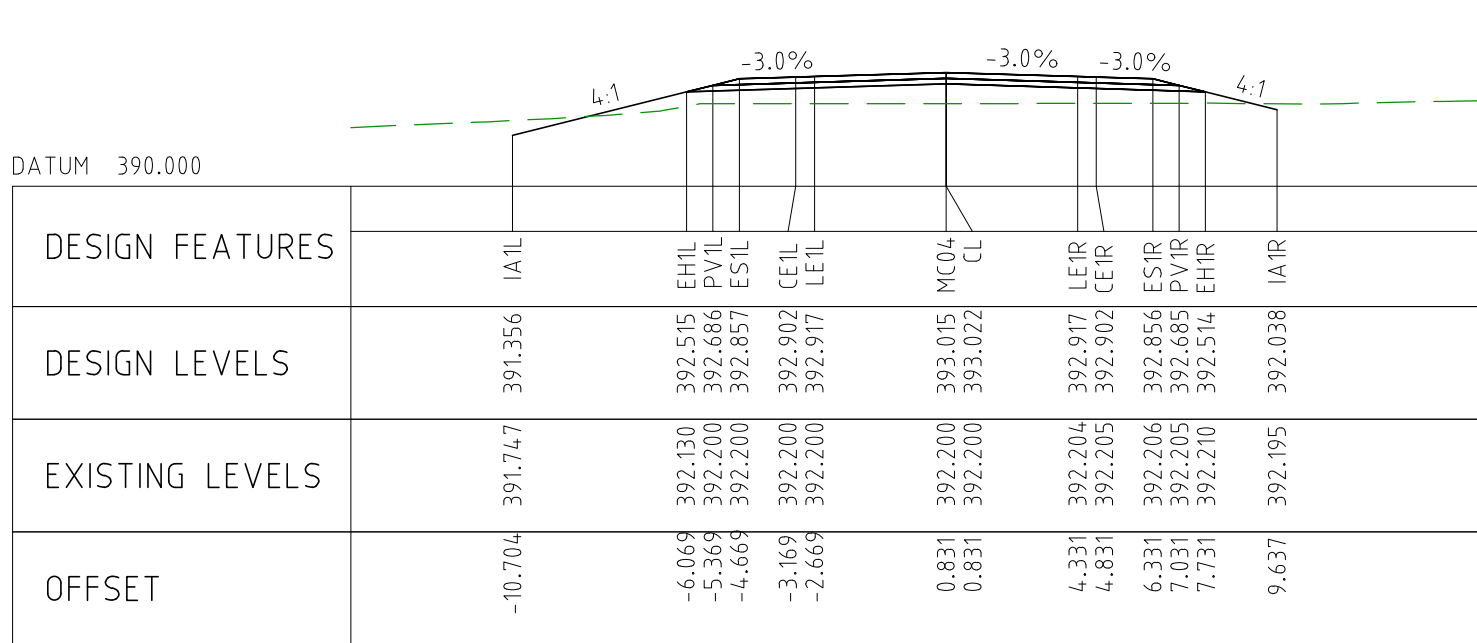
CHAINAGE 74800



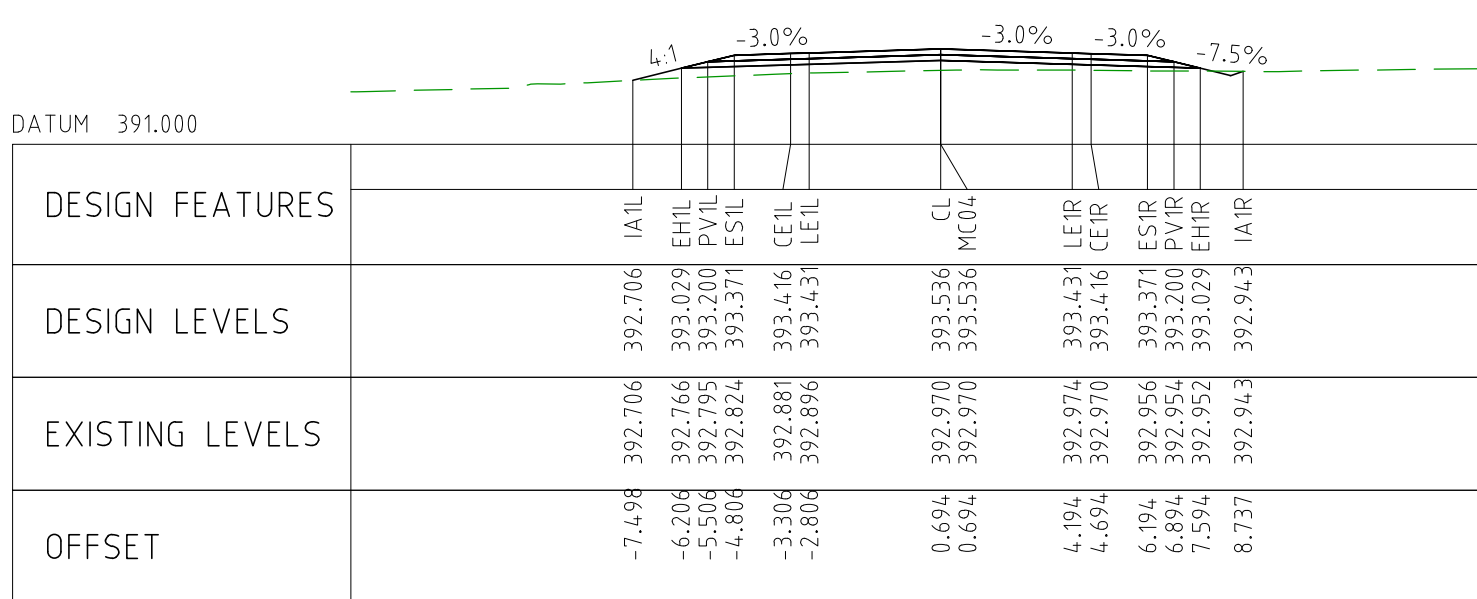
CHAINAGE 74750



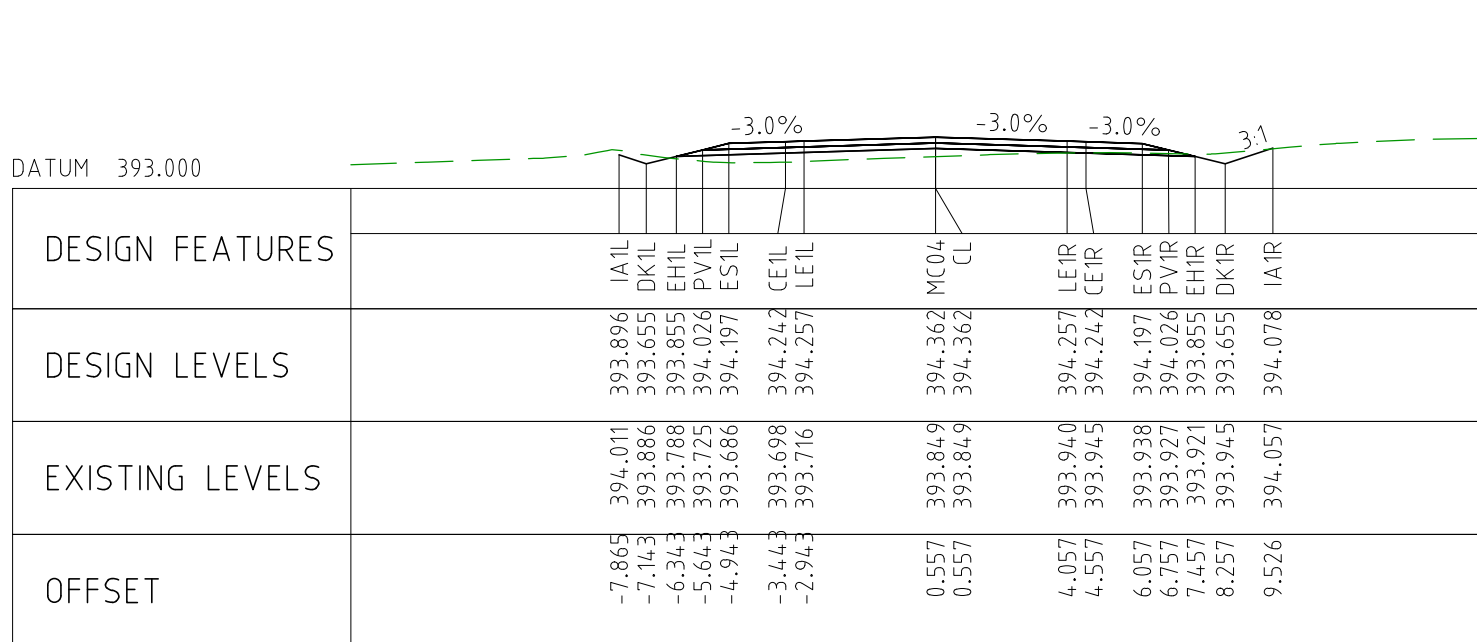
CHAINAGE 74700



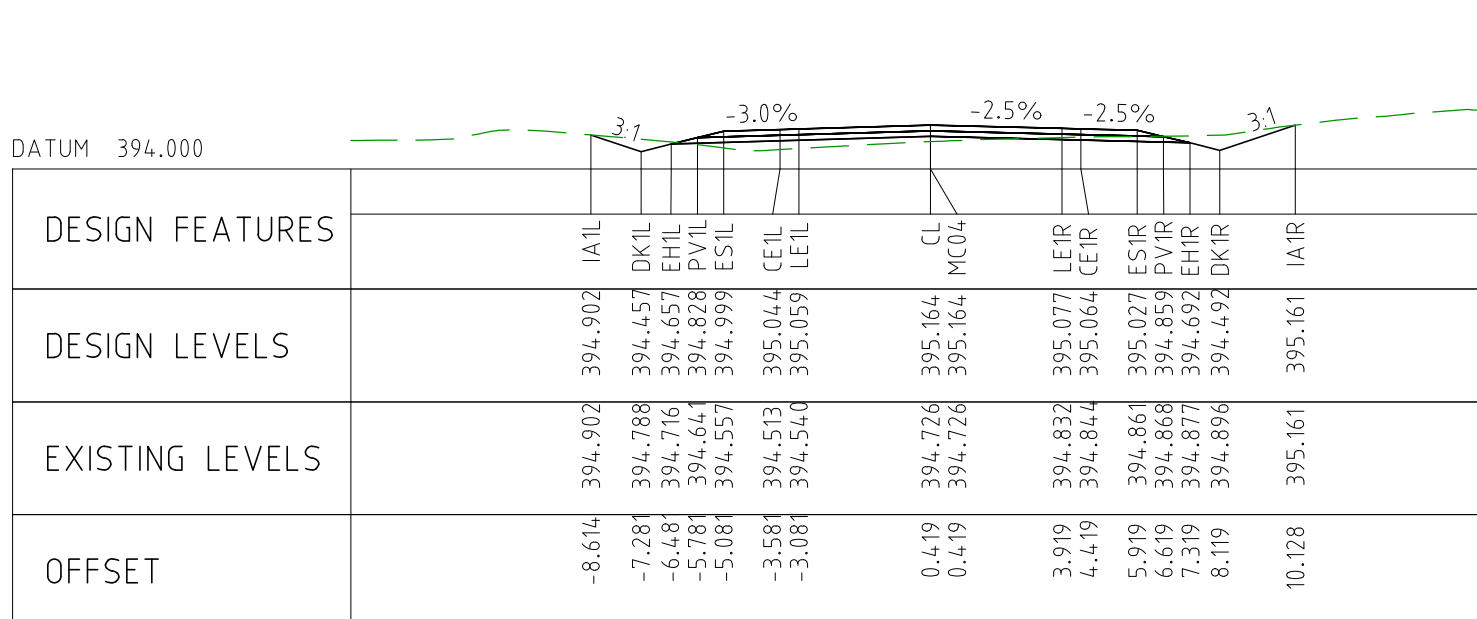
CHAINAGE 75150



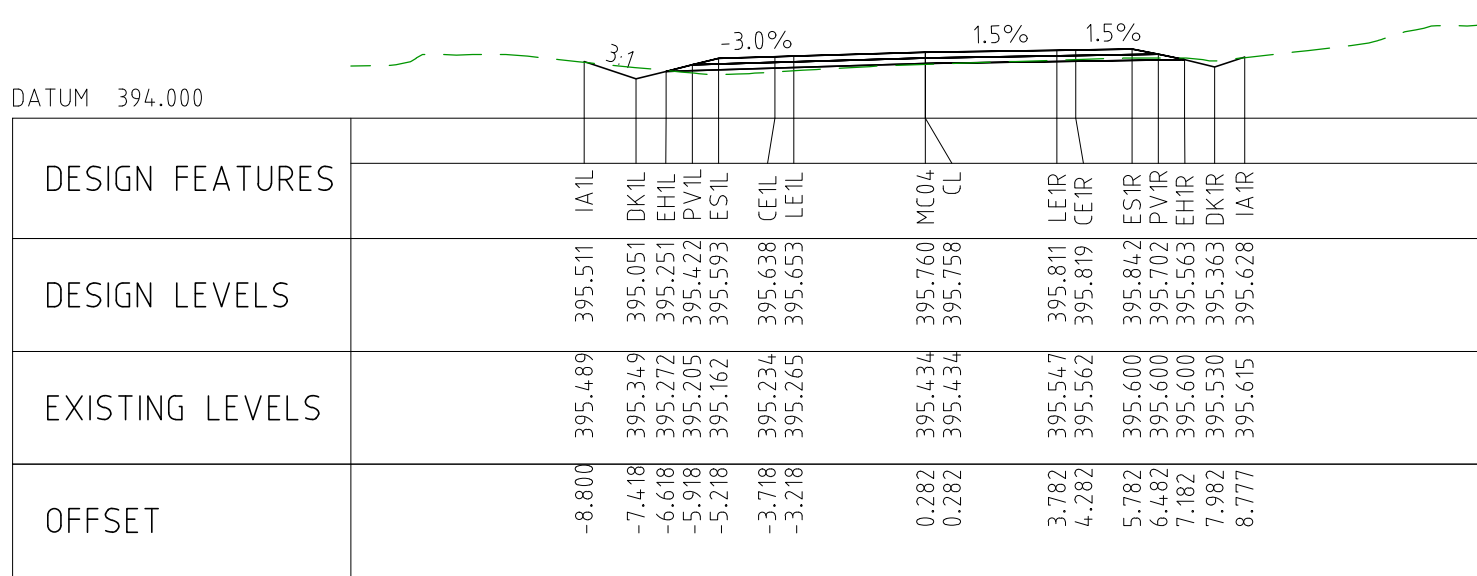
CHAINAGE 75100



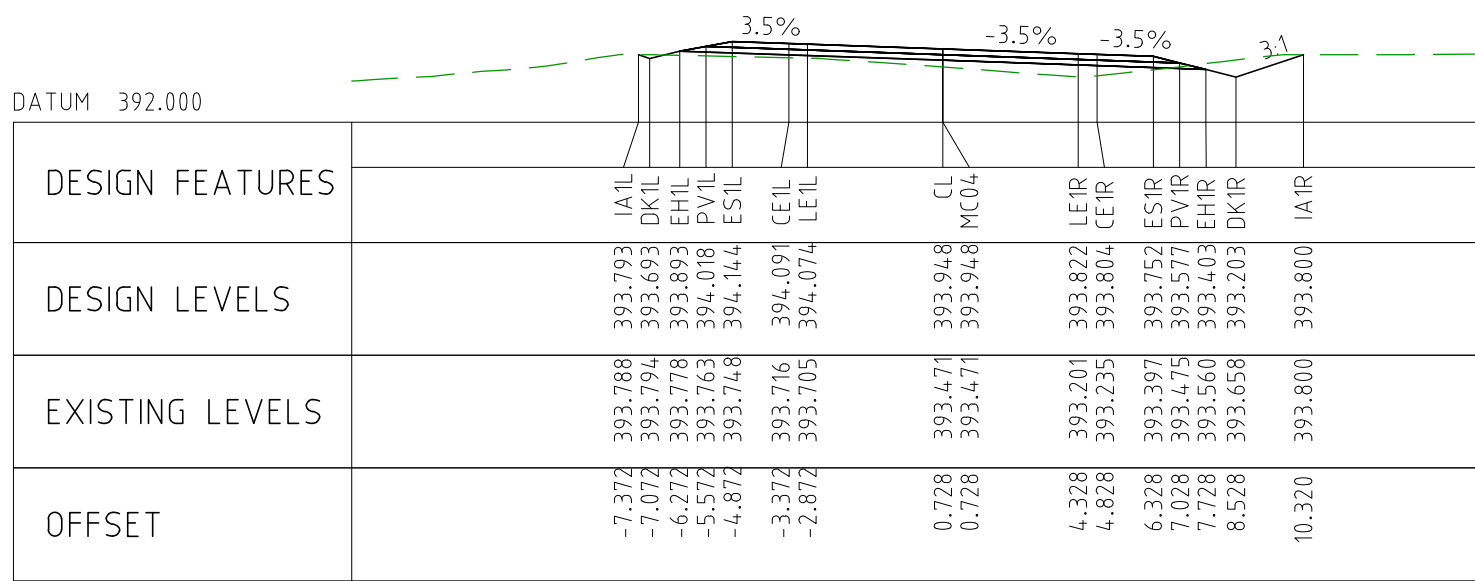
CHAINAGE 75050



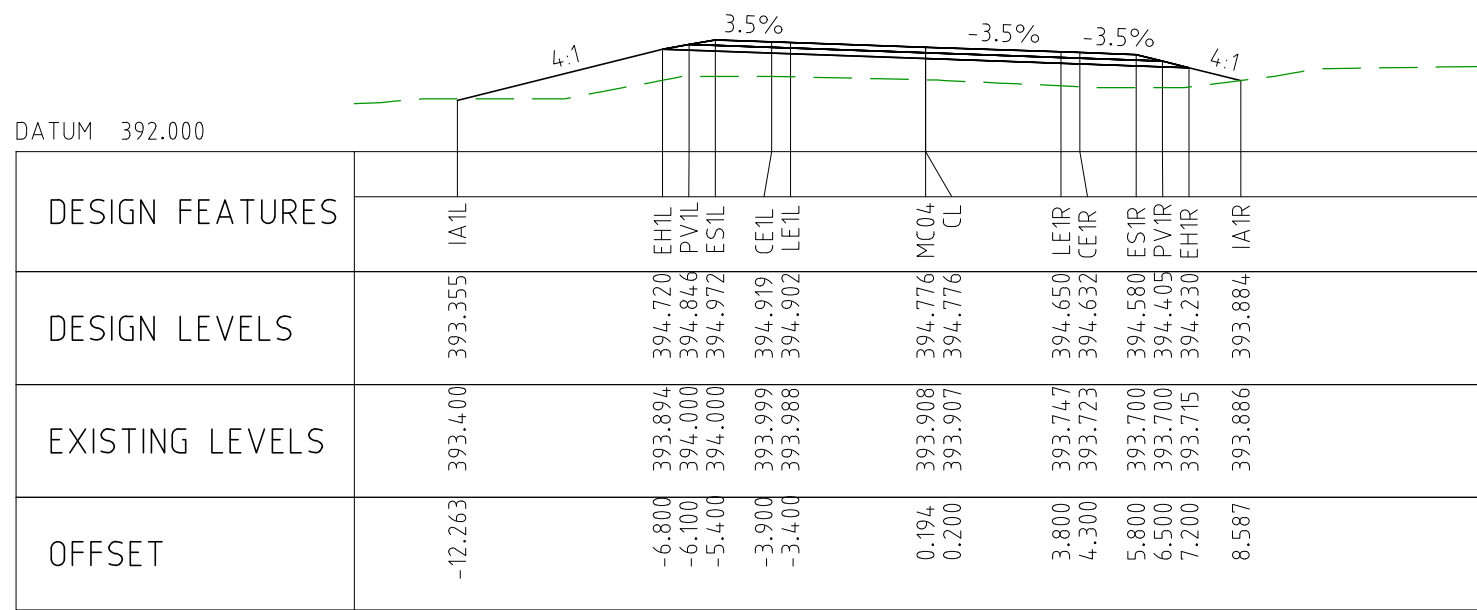
CHAINAGE 75000



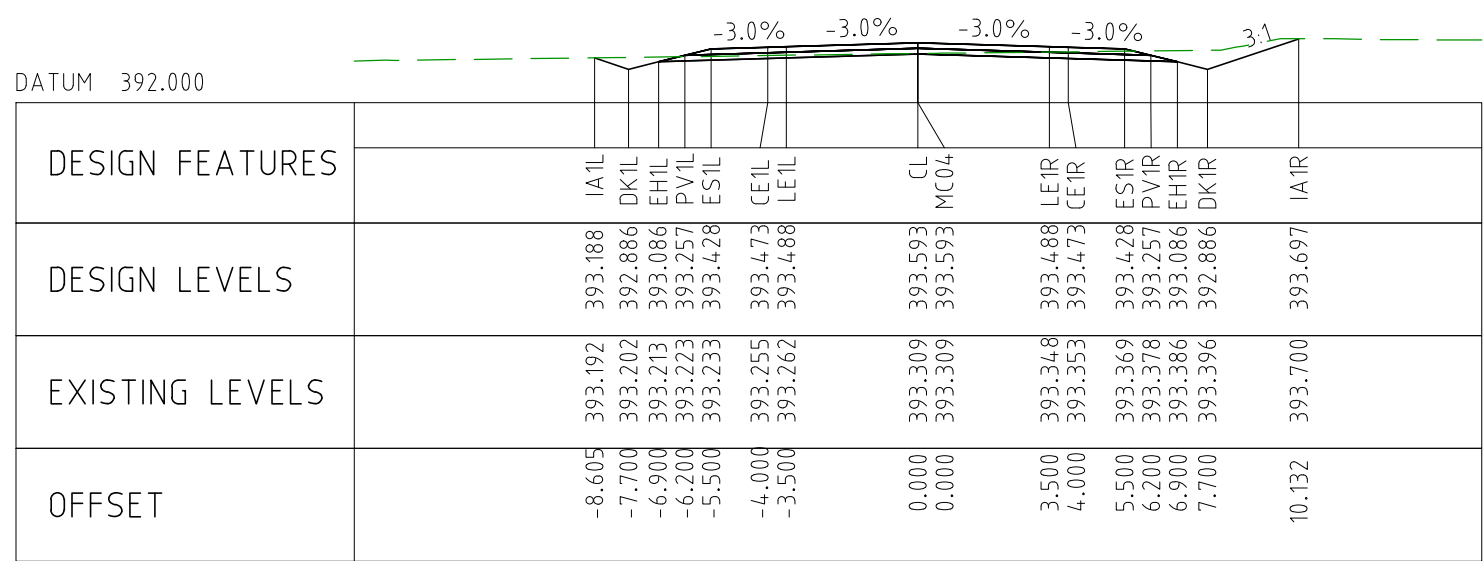
CHAINAGE 74950



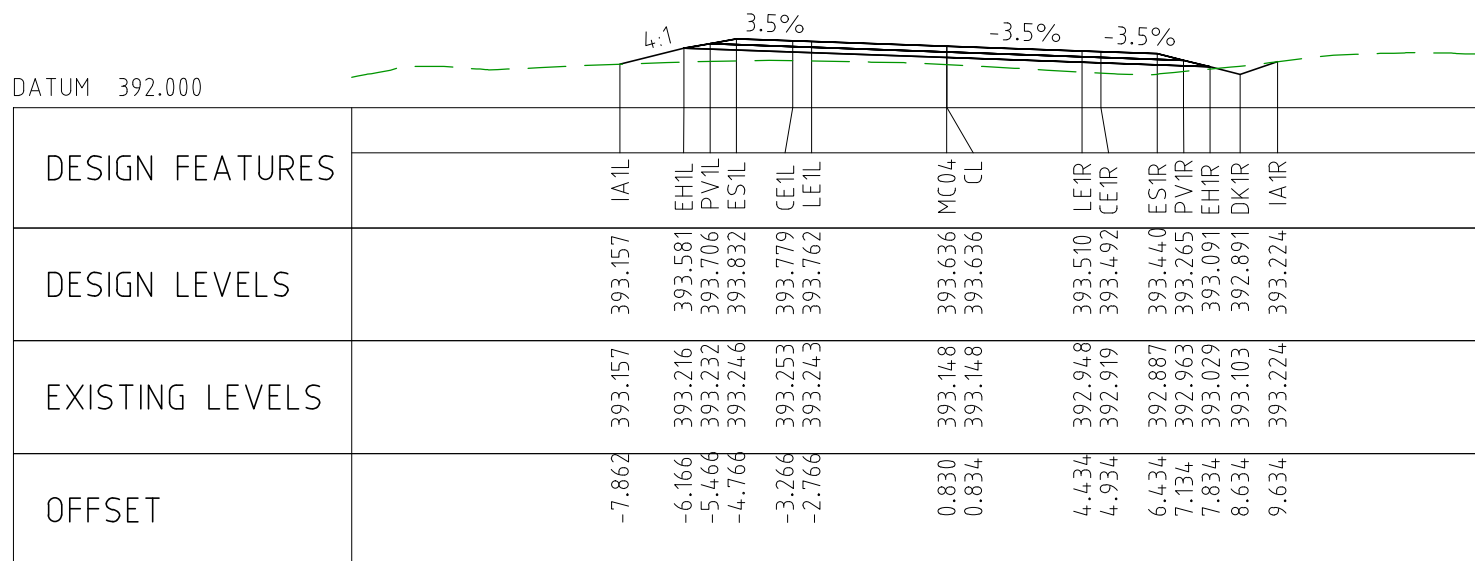
CHAINAGE 75400



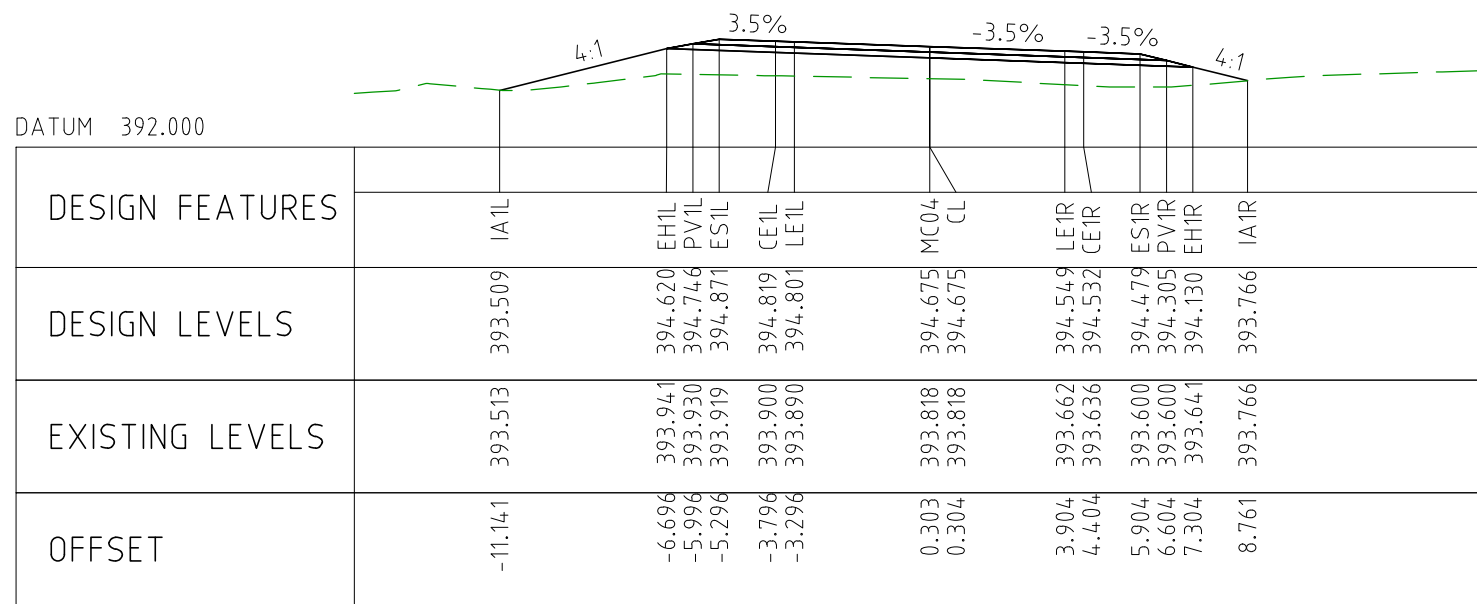
CHAINAGE 75650



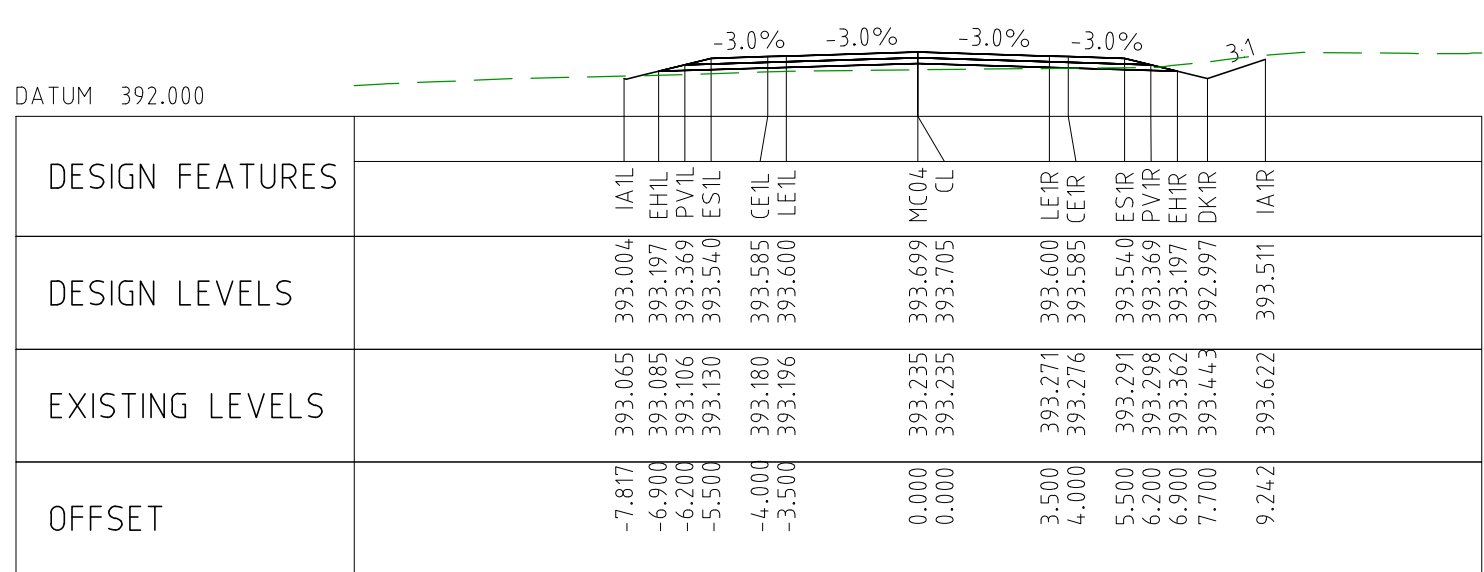
CHAINAGE 75900



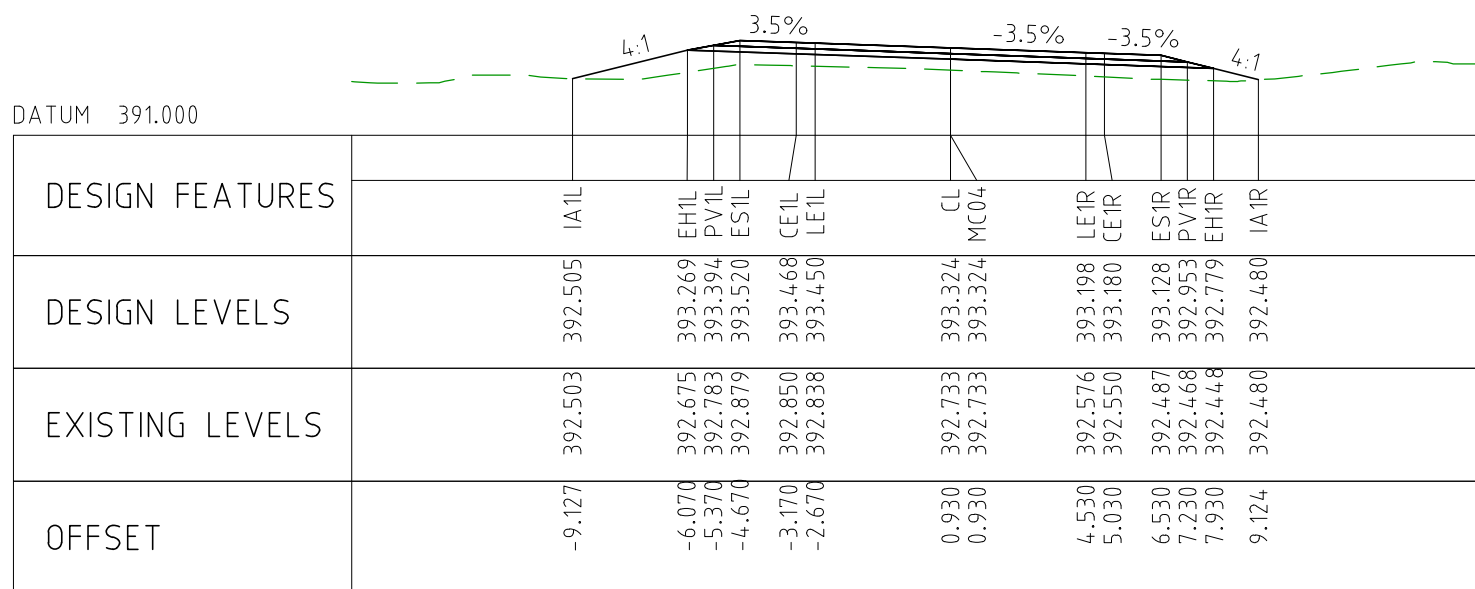
CHAINAGE 75350



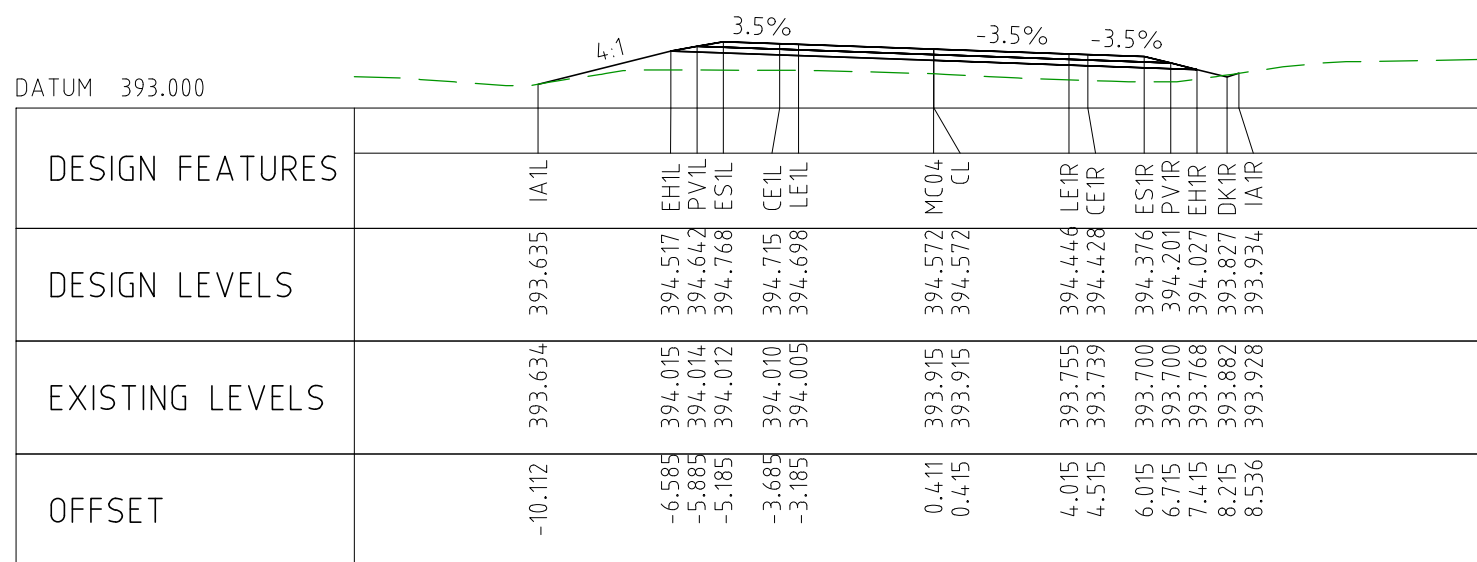
CHAINAGE 75600



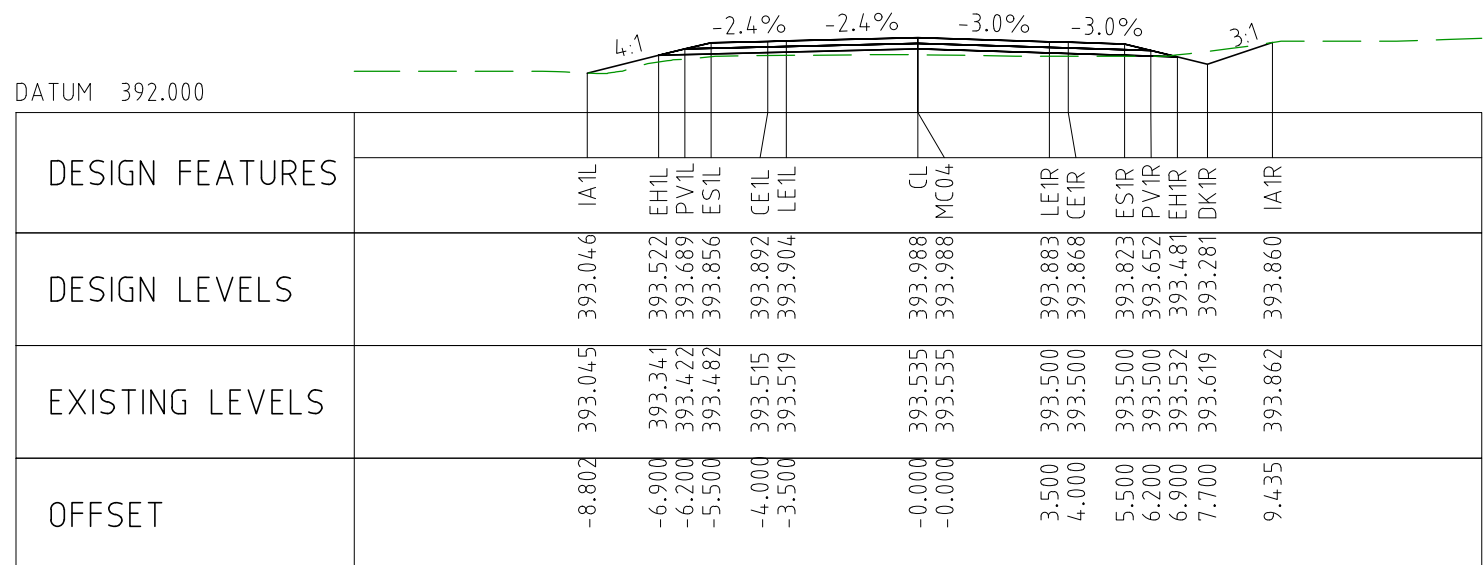
CHAINAGE 75850



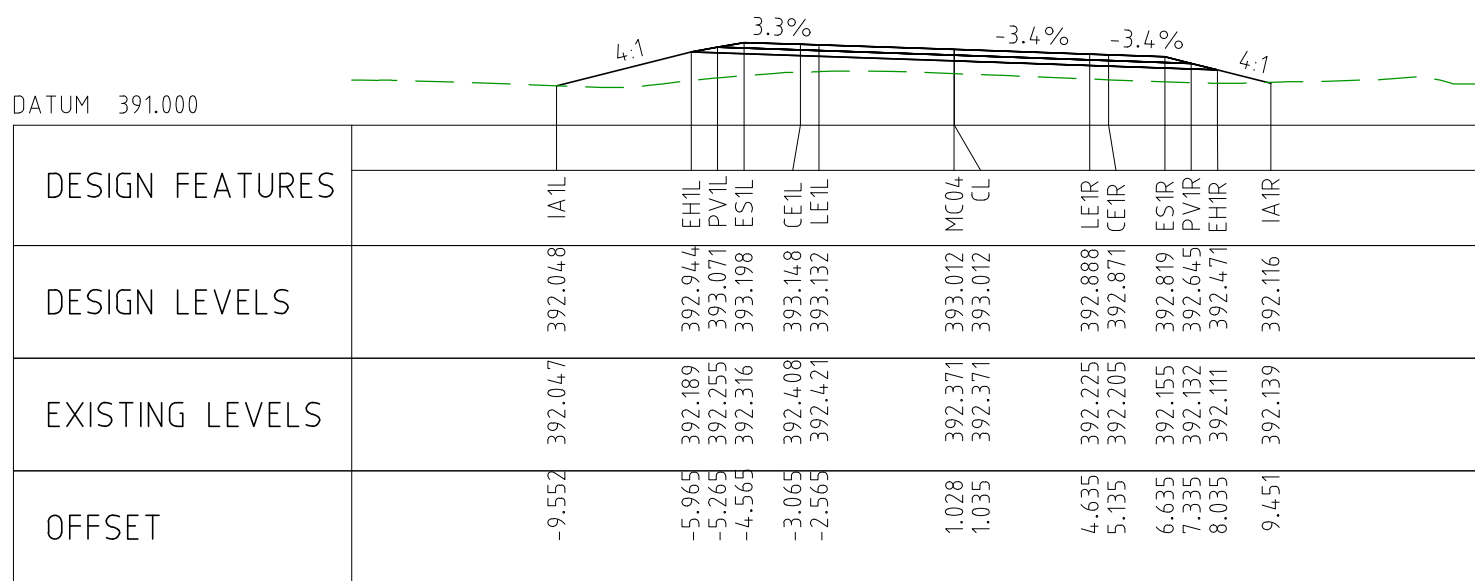
CHAINAGE 75300



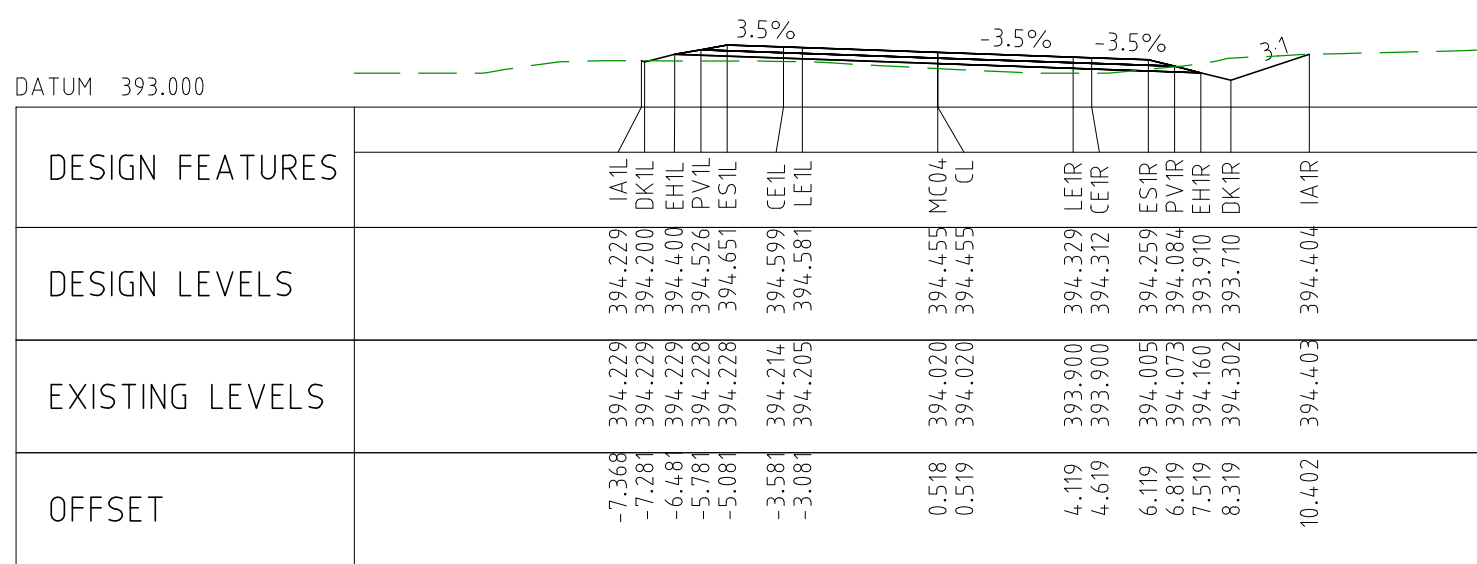
CHAINAGE 75550



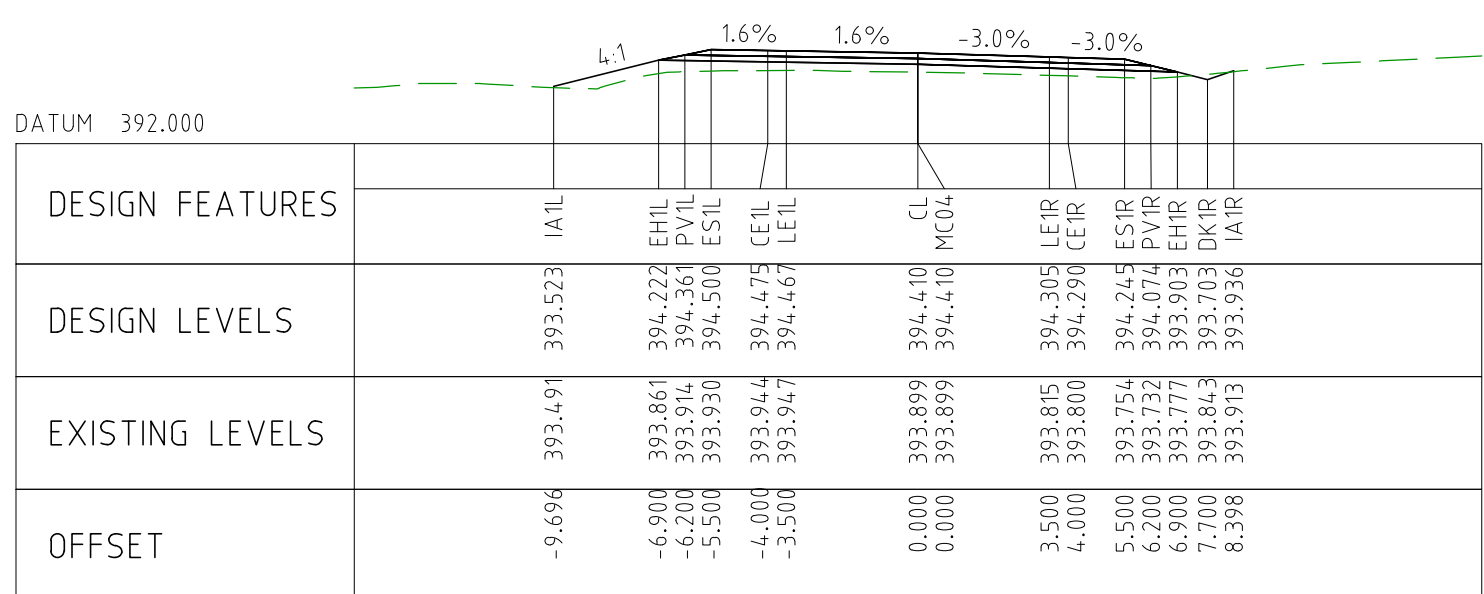
CHAINAGE 75800



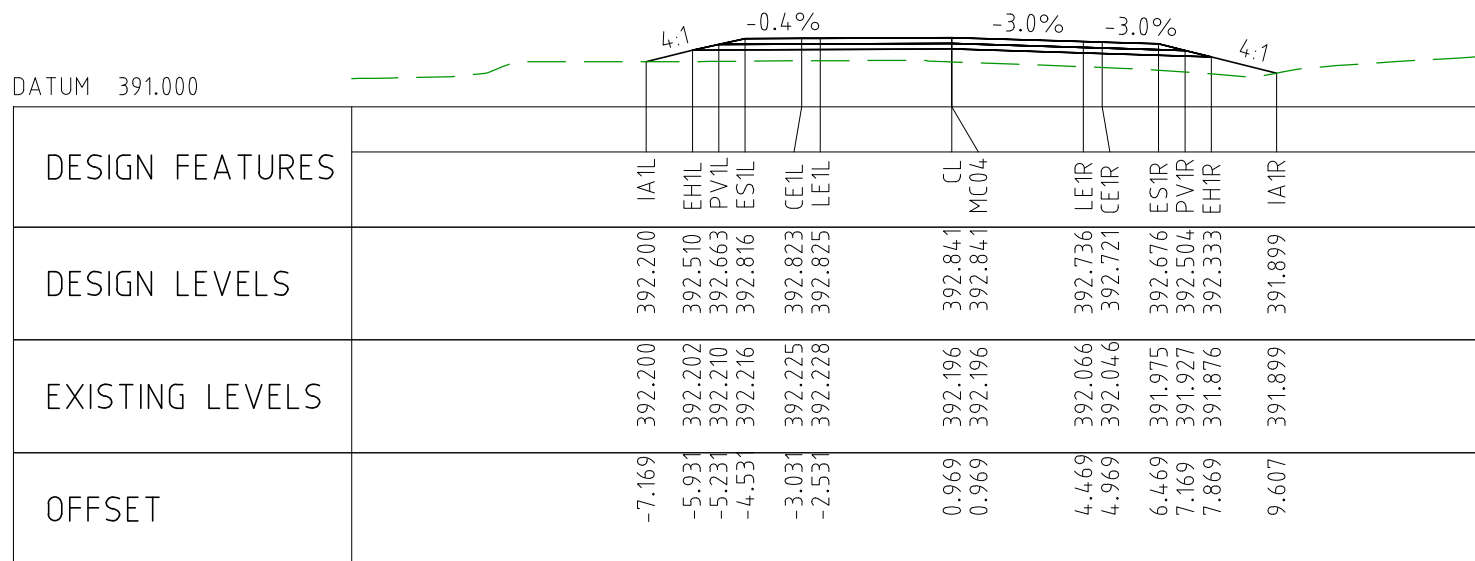
CHAINAGE 75250



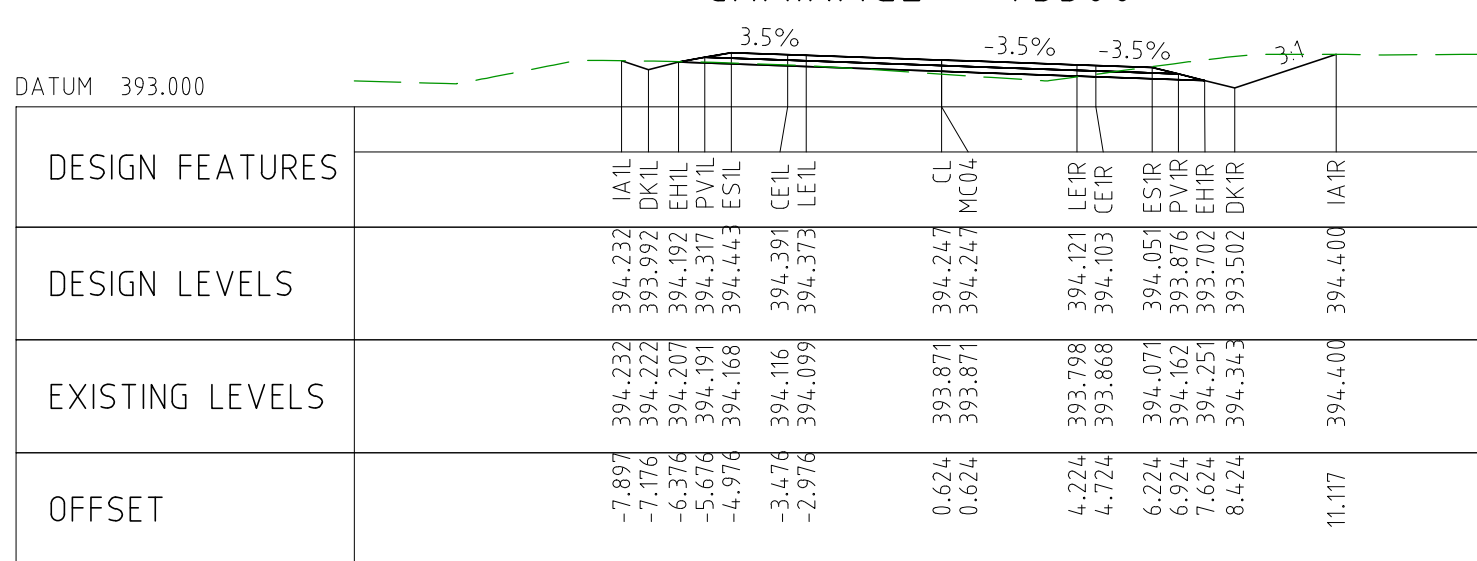
CHAINAGE 75500



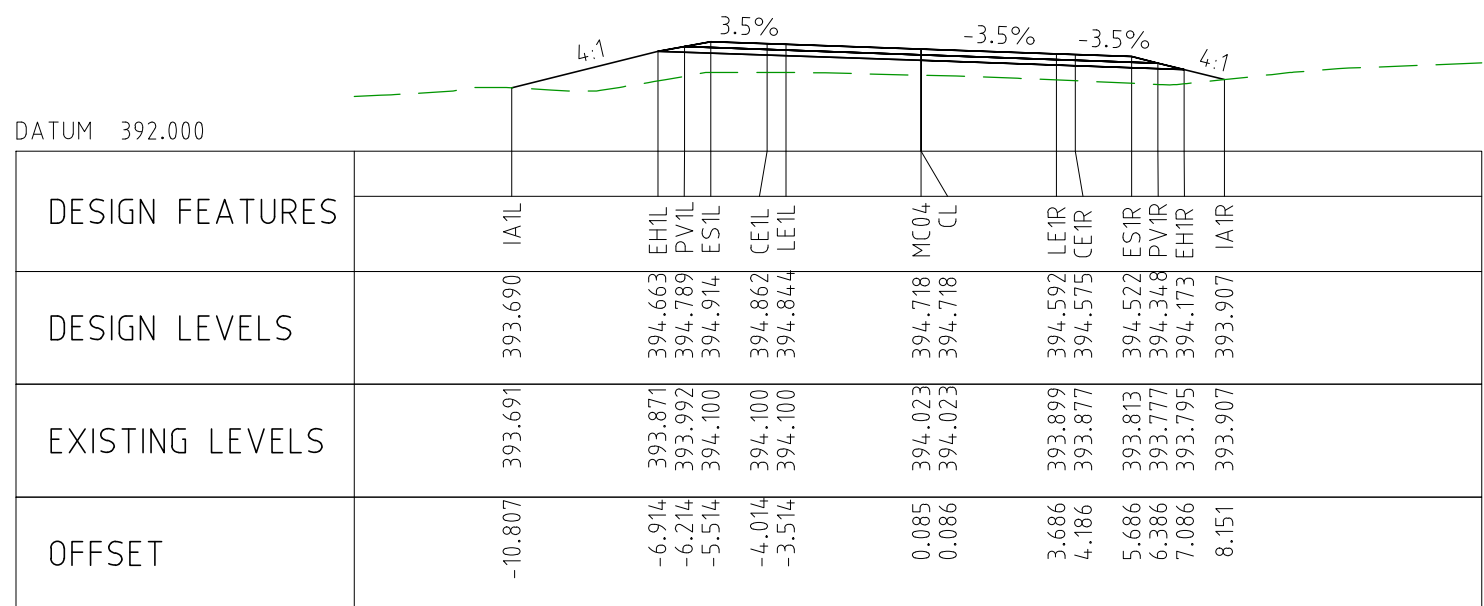
CHAINAGE 75750



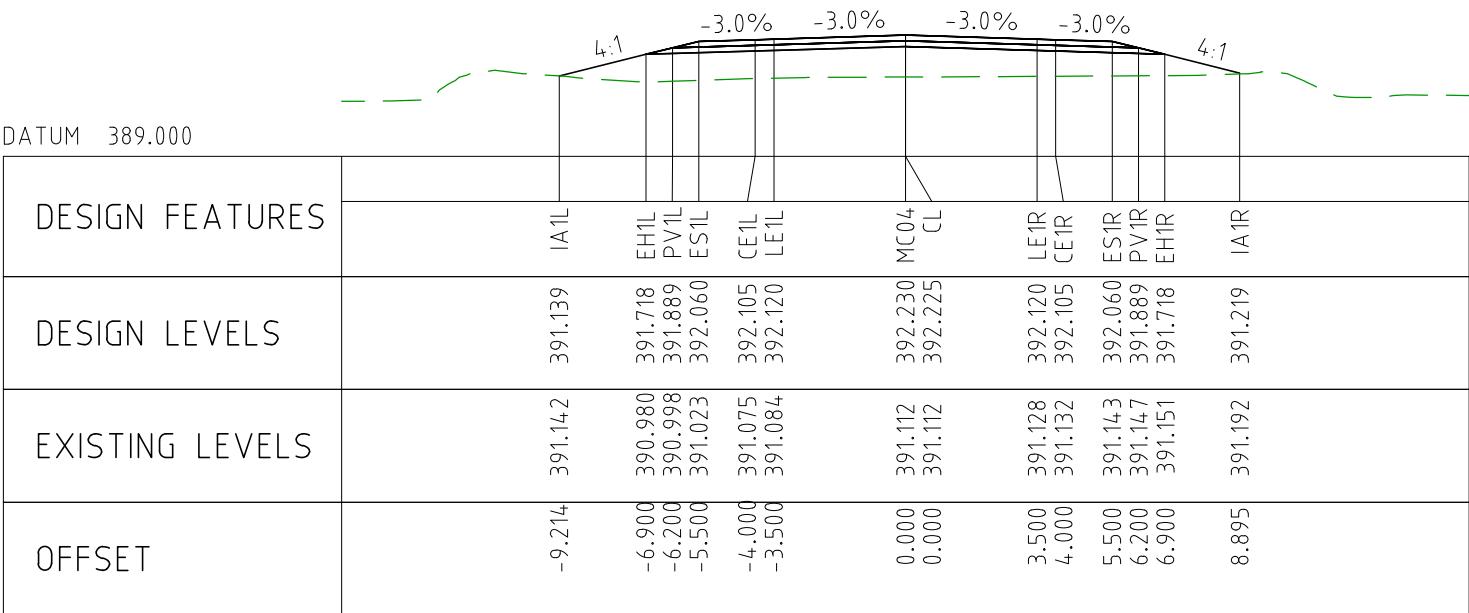
CHAINAGE 75200



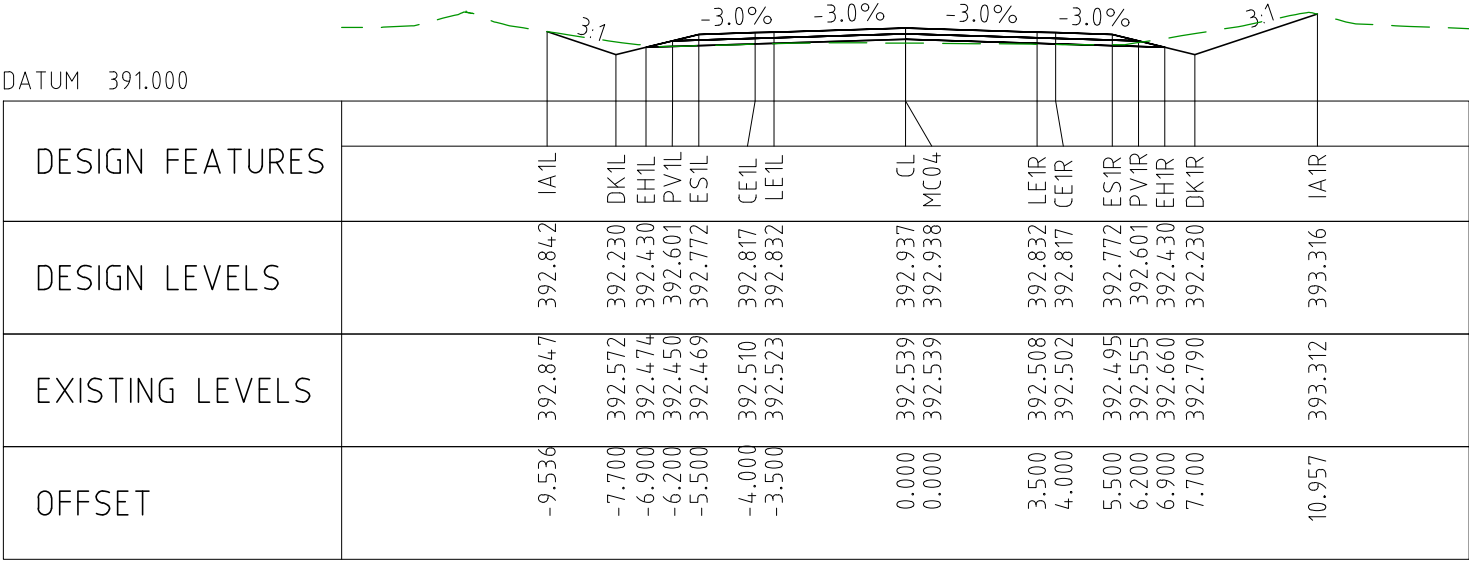
CHAINAGE 75450



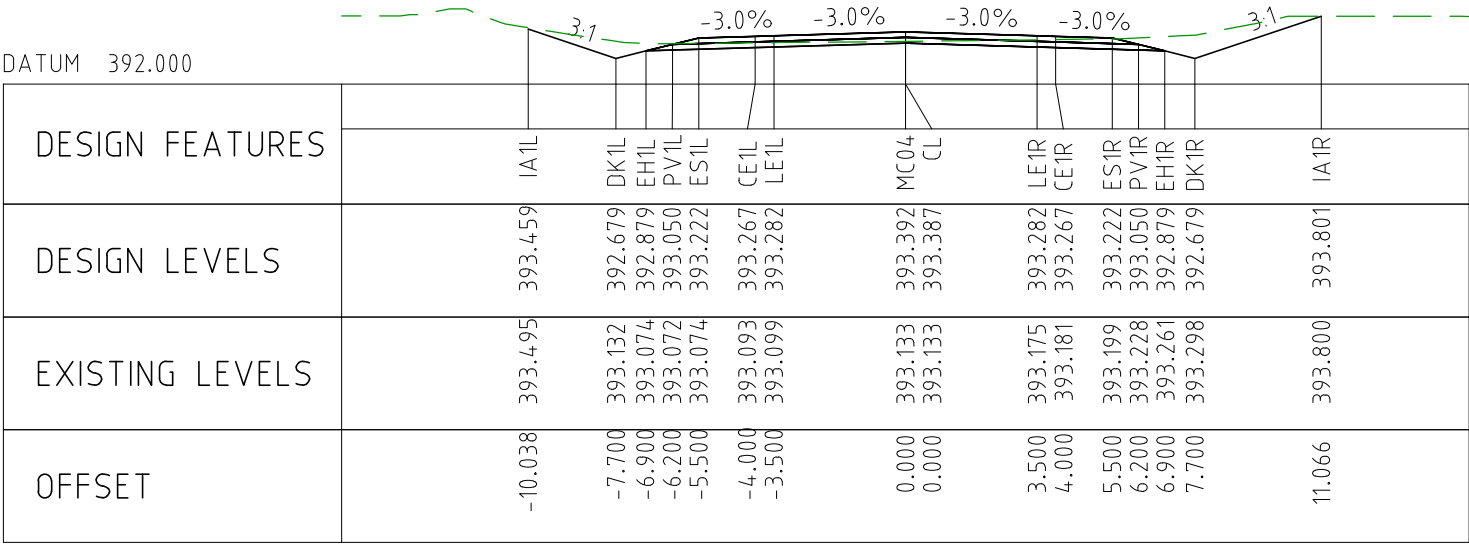
CHAINAGE 75700



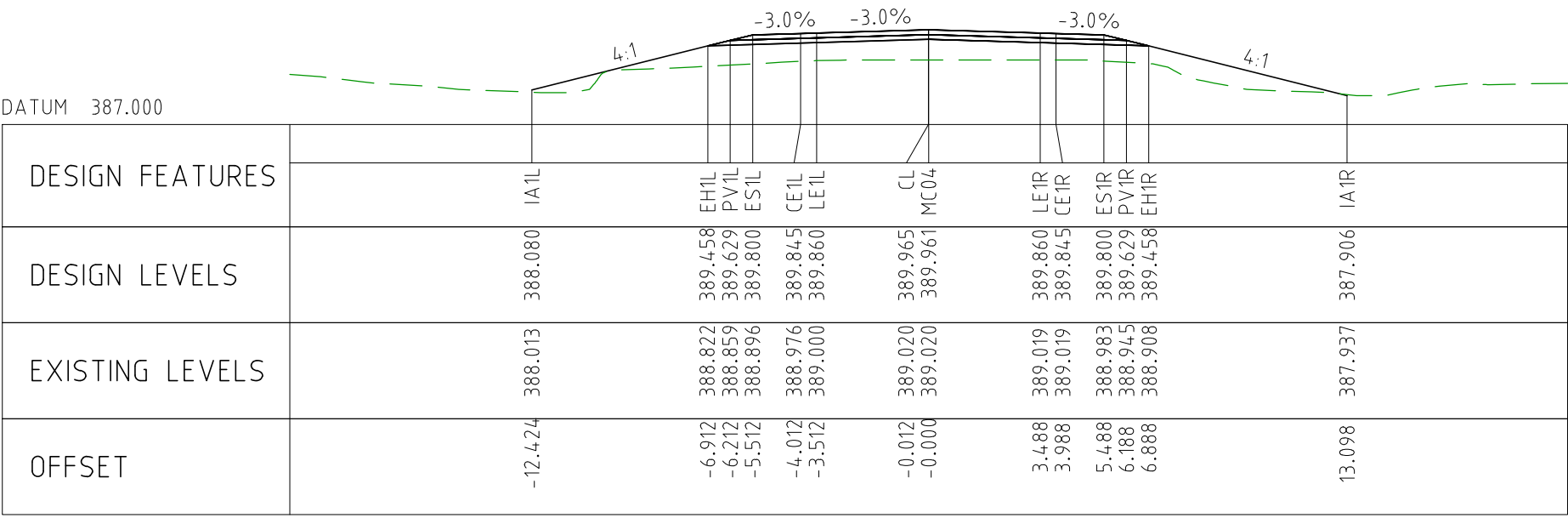
CHAINAGE 76050



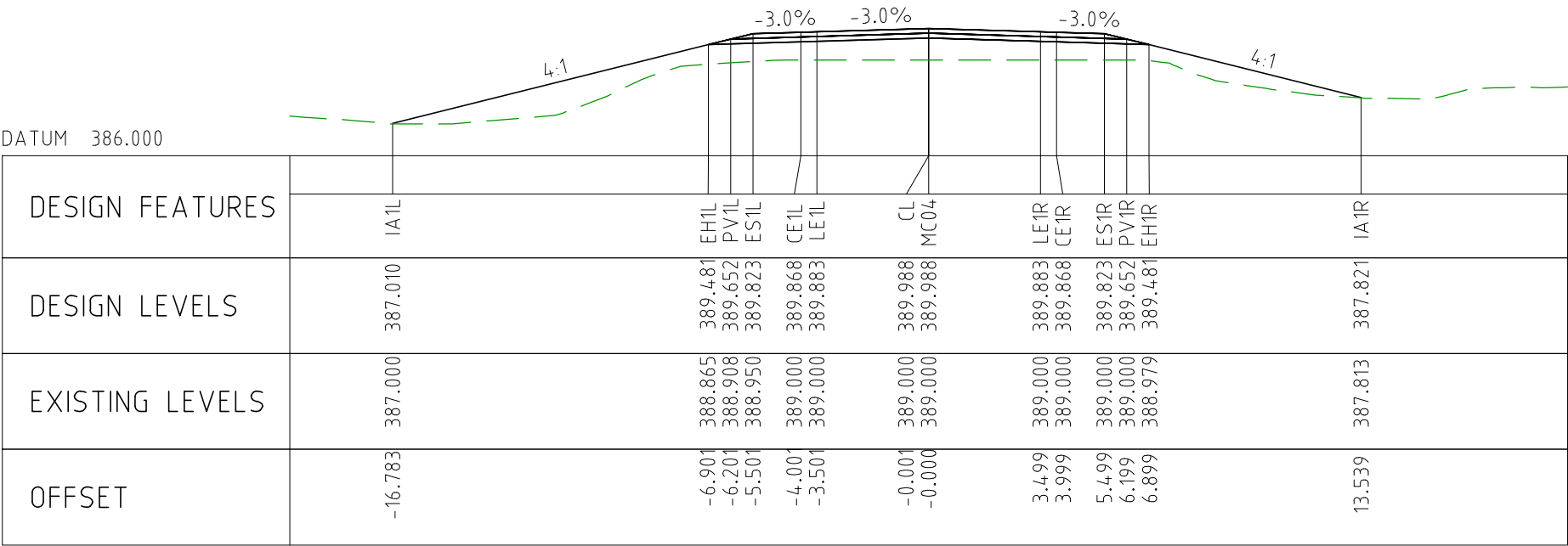
CHAINAGE 76000



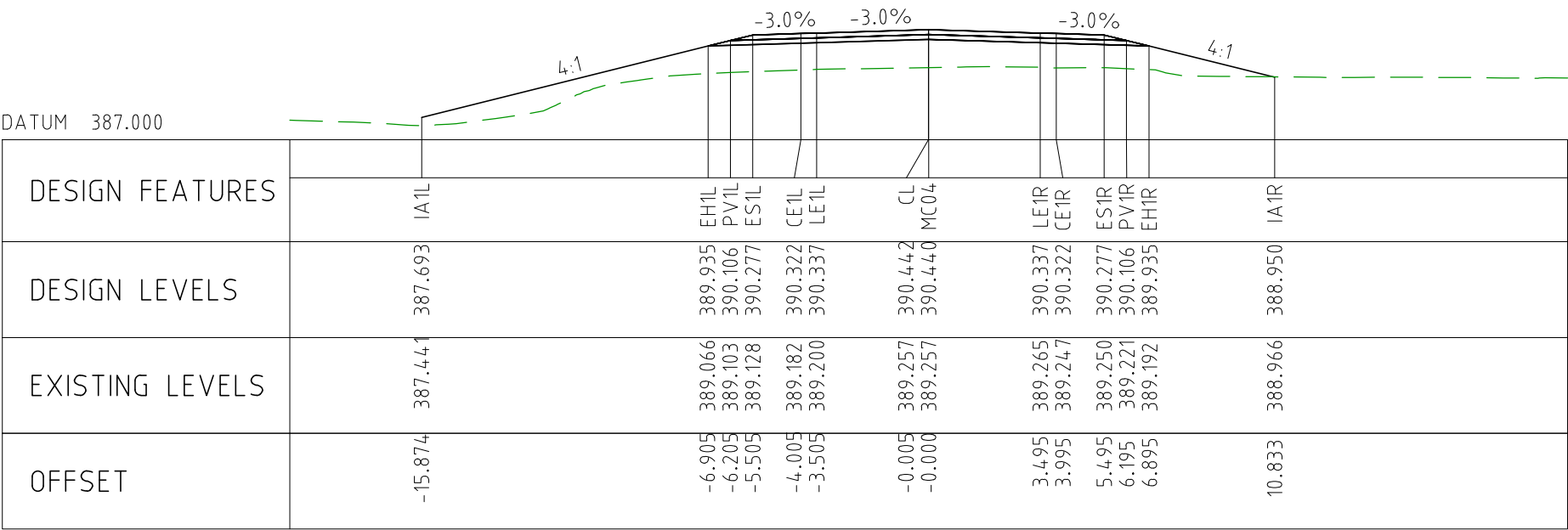
CHAINAGE 75950



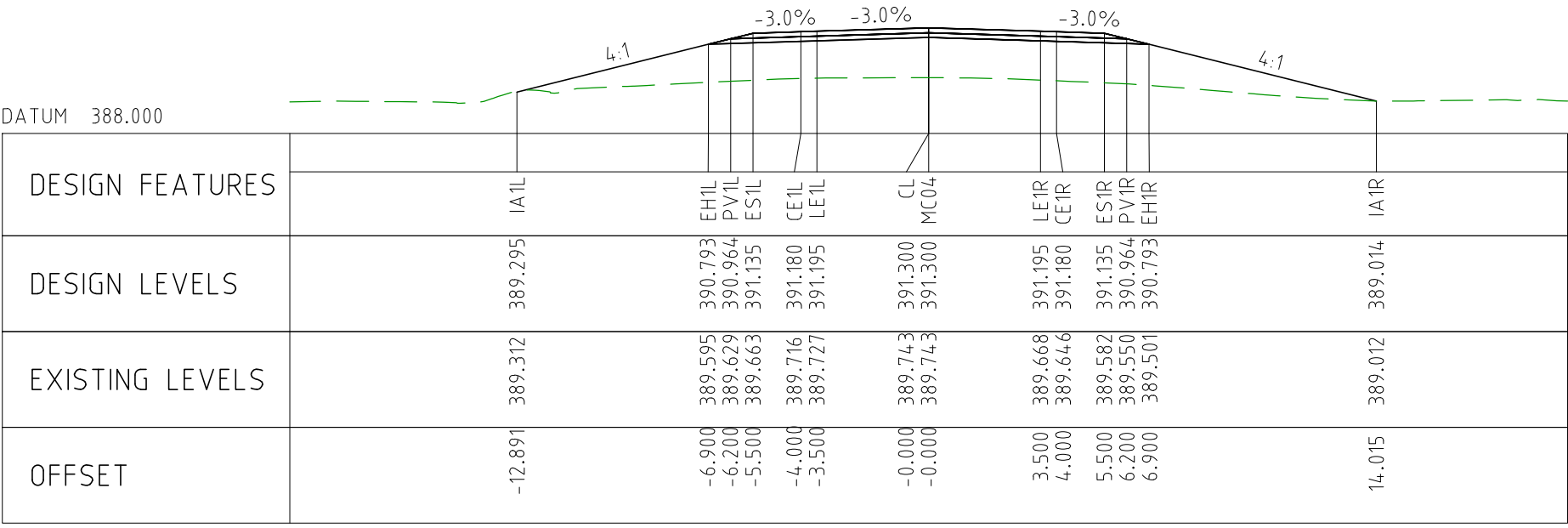
CHAINAGE 76250



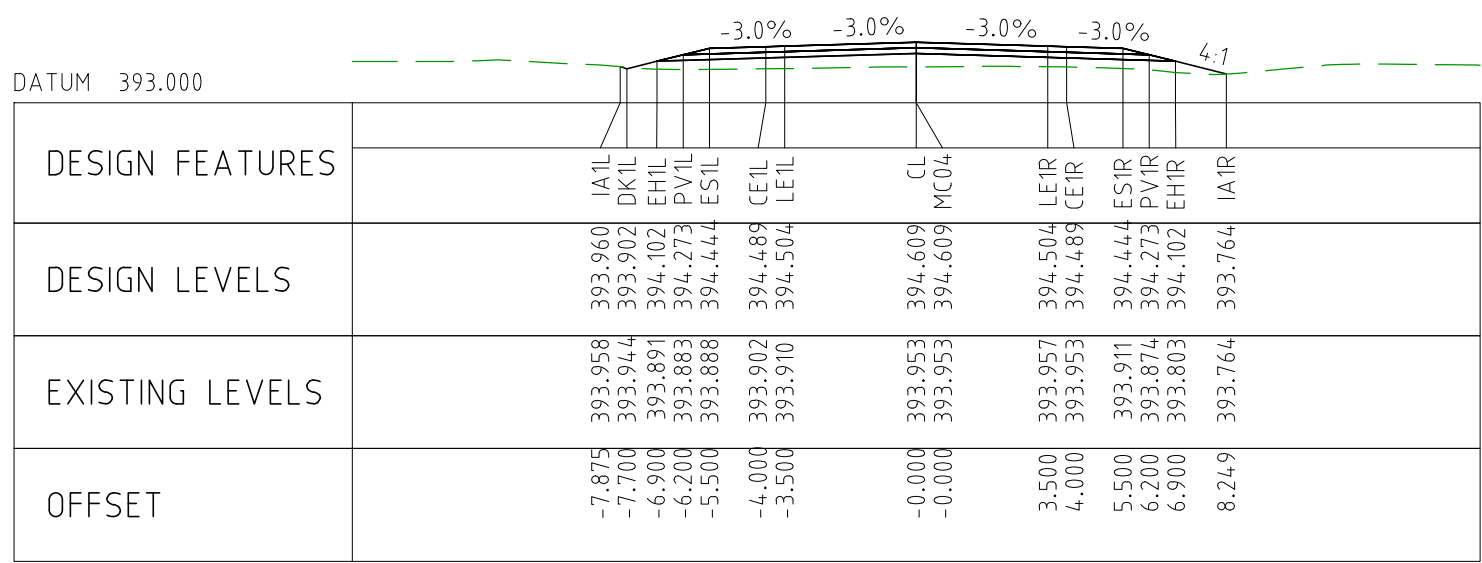
CHAINAGE 76200



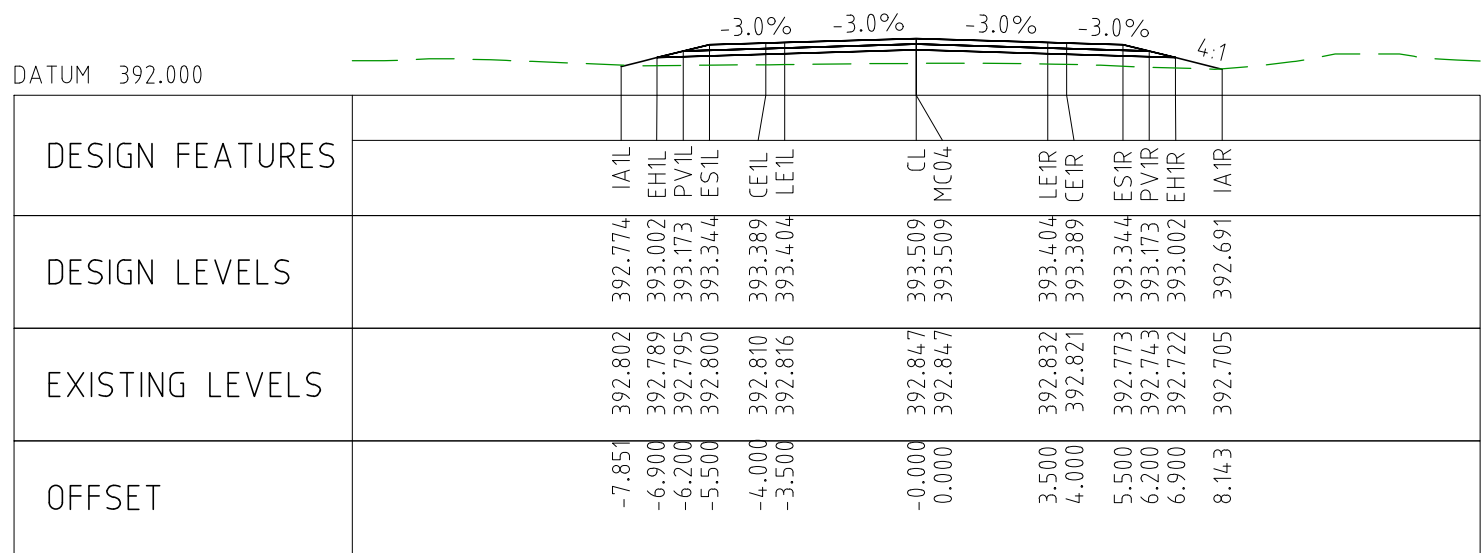
CHAINAGE 76150



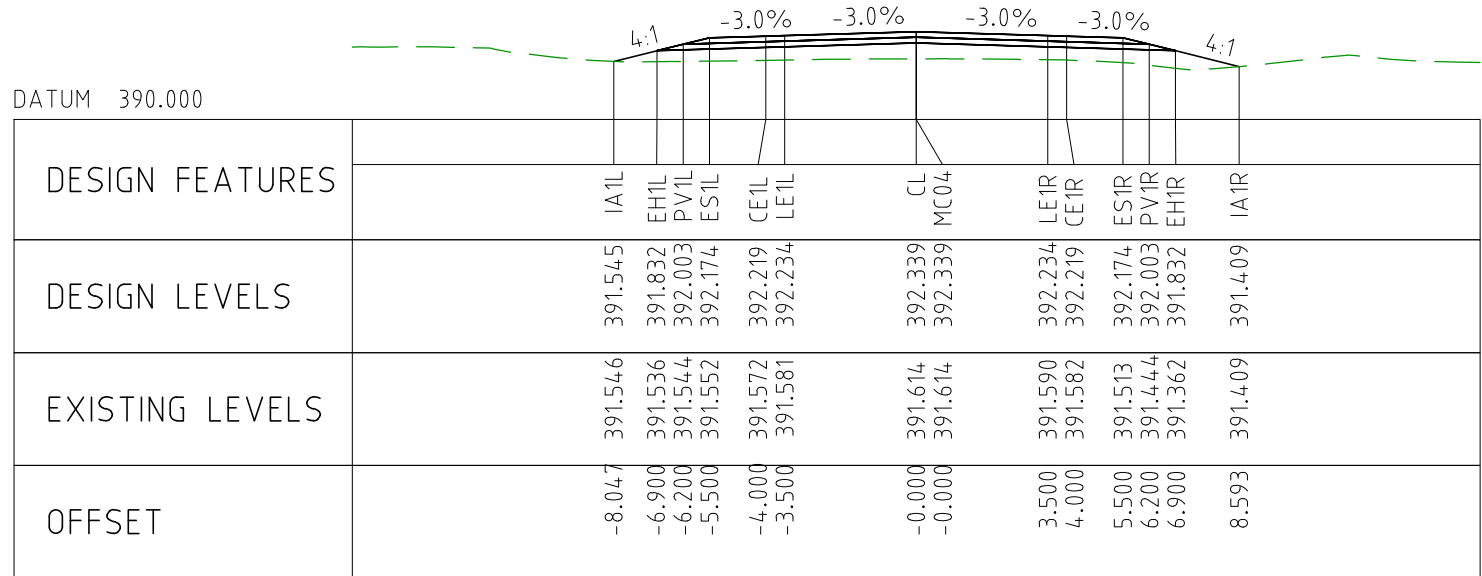
CHAINAGE 76100



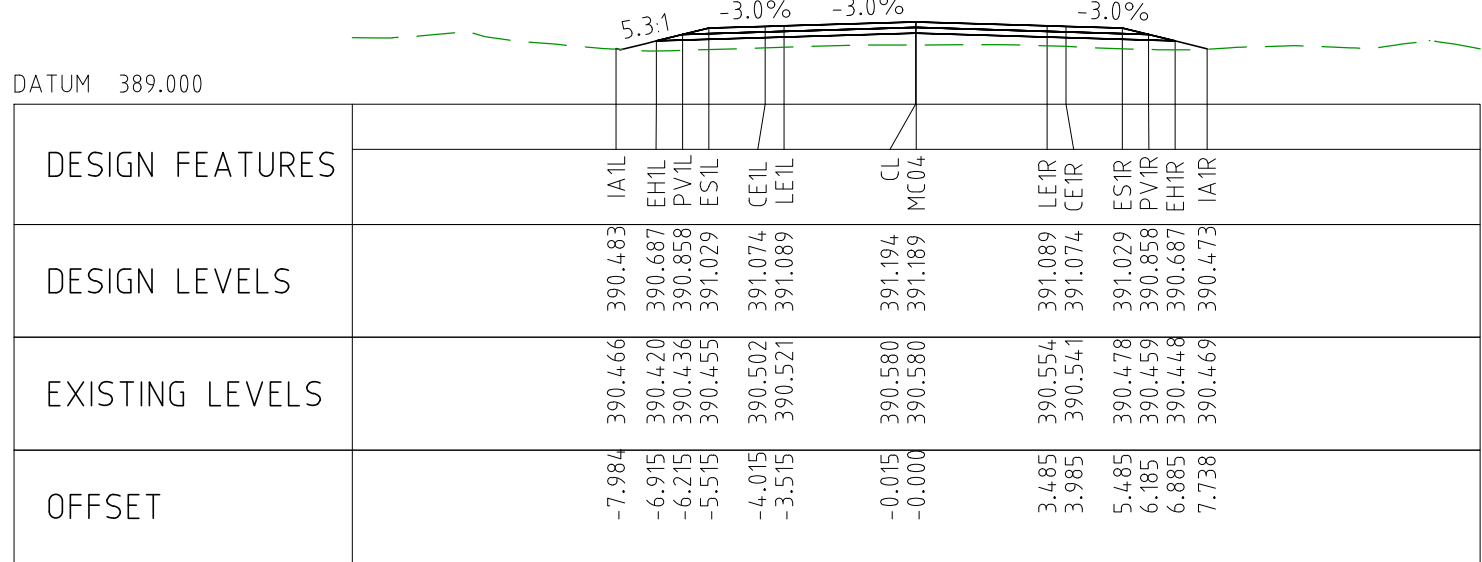
CHAINAGE 76500



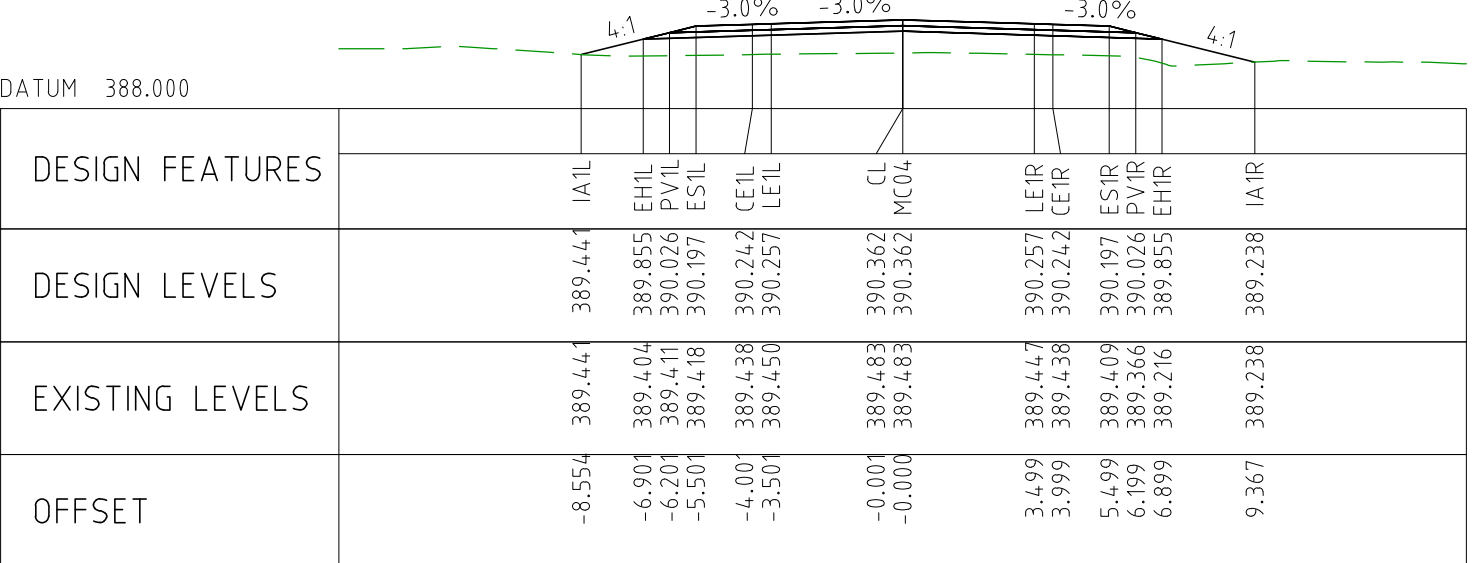
CHAINAGE 76450



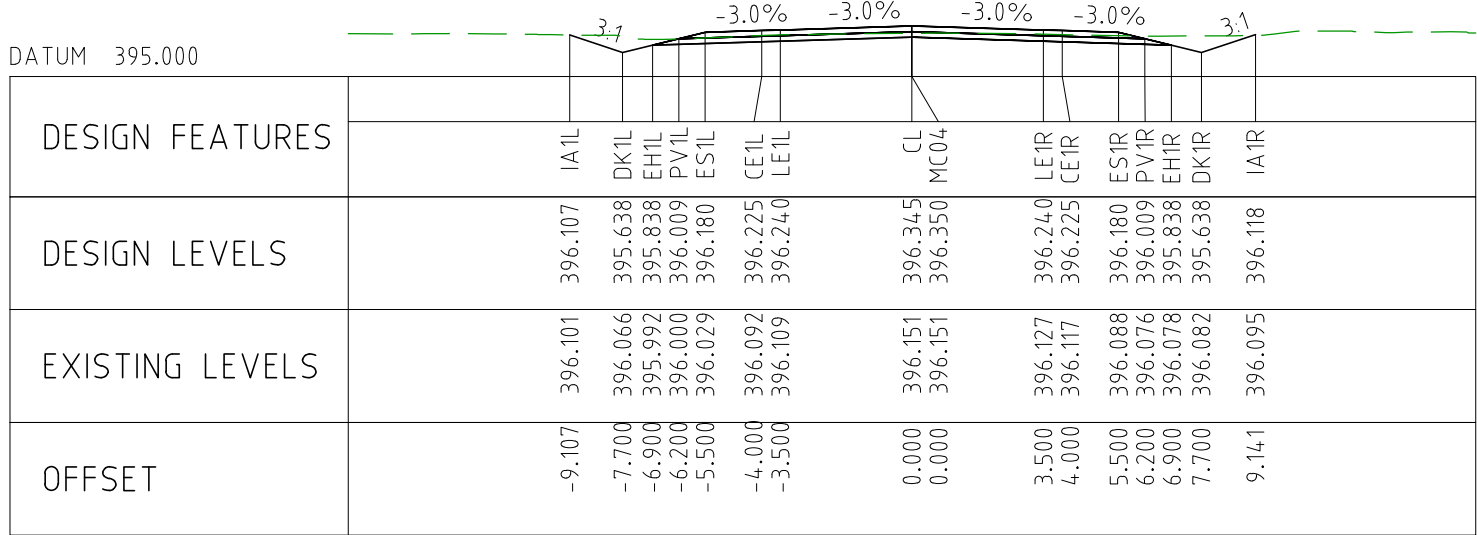
CHAINAGE 76400



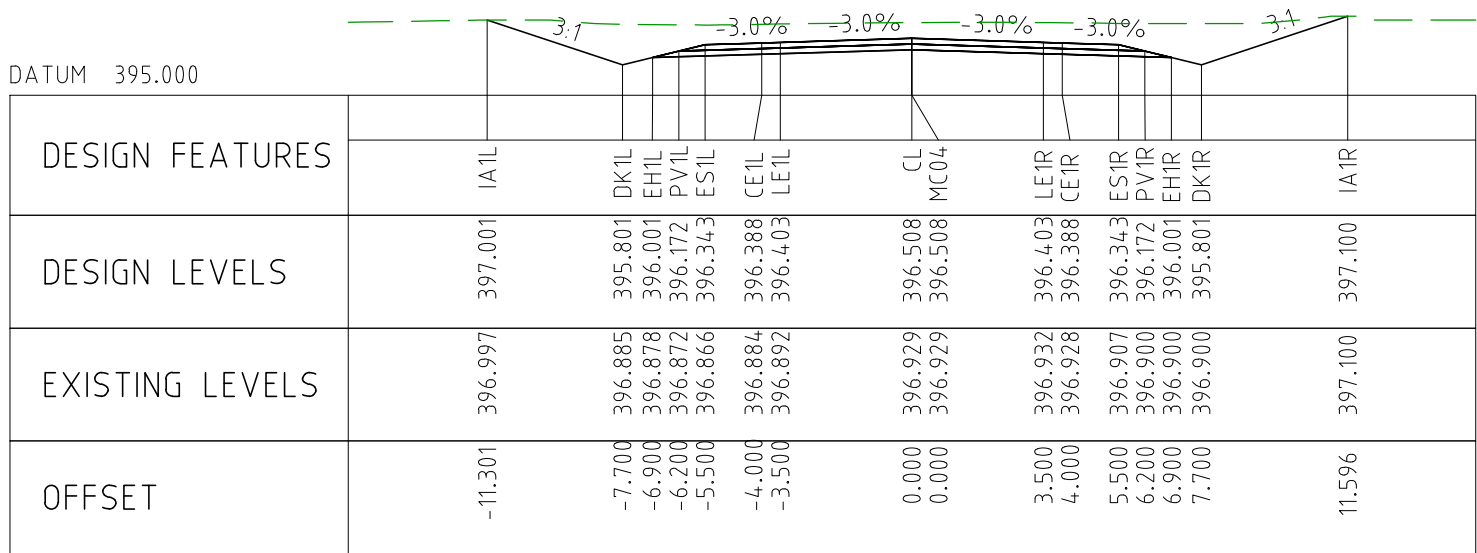
CHAINAGE 76350



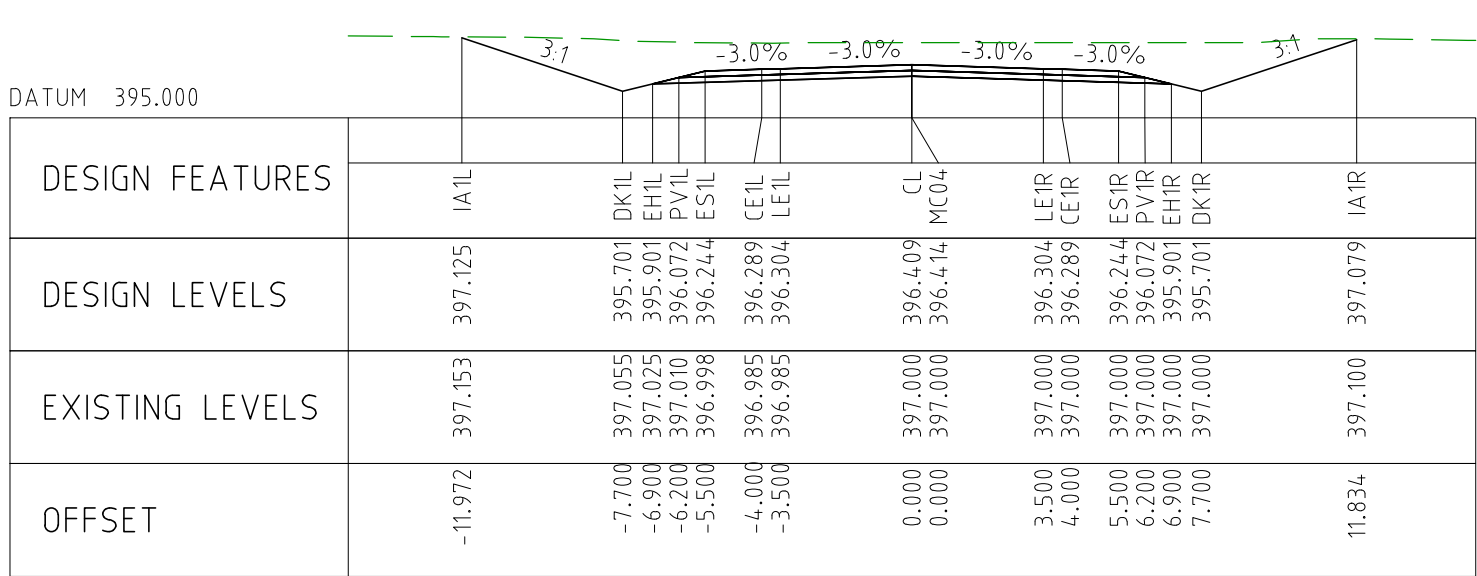
CHAINAGE 76300



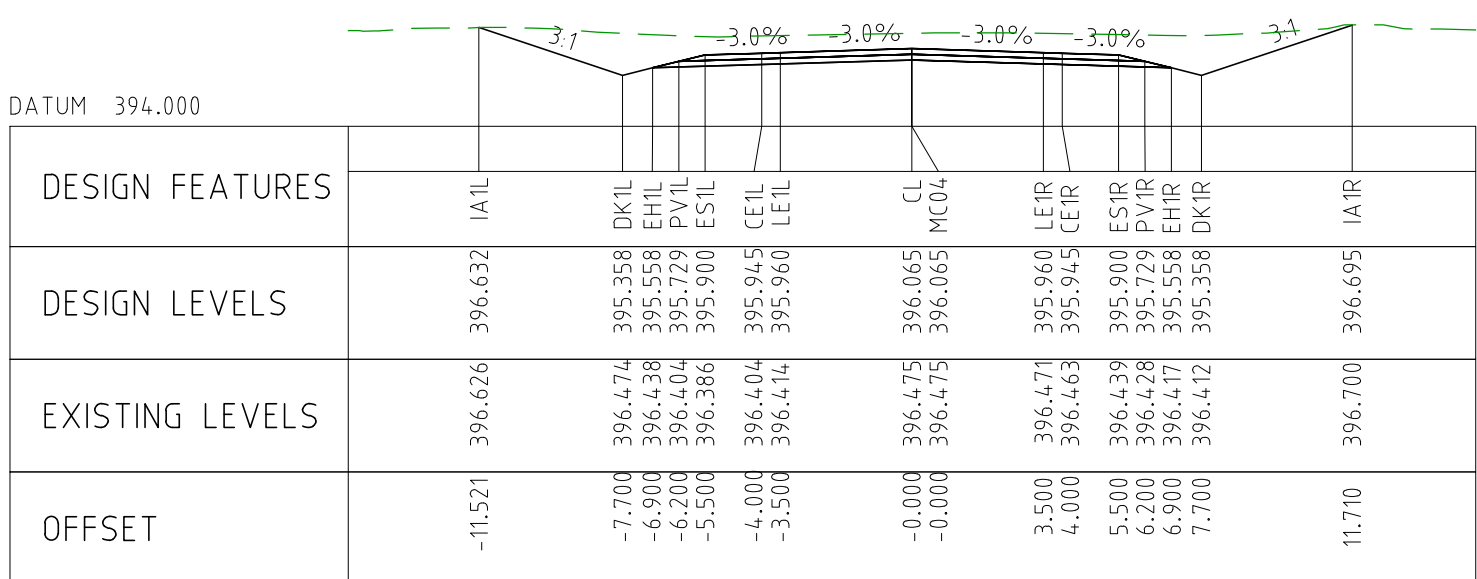
CHAINAGE 76750



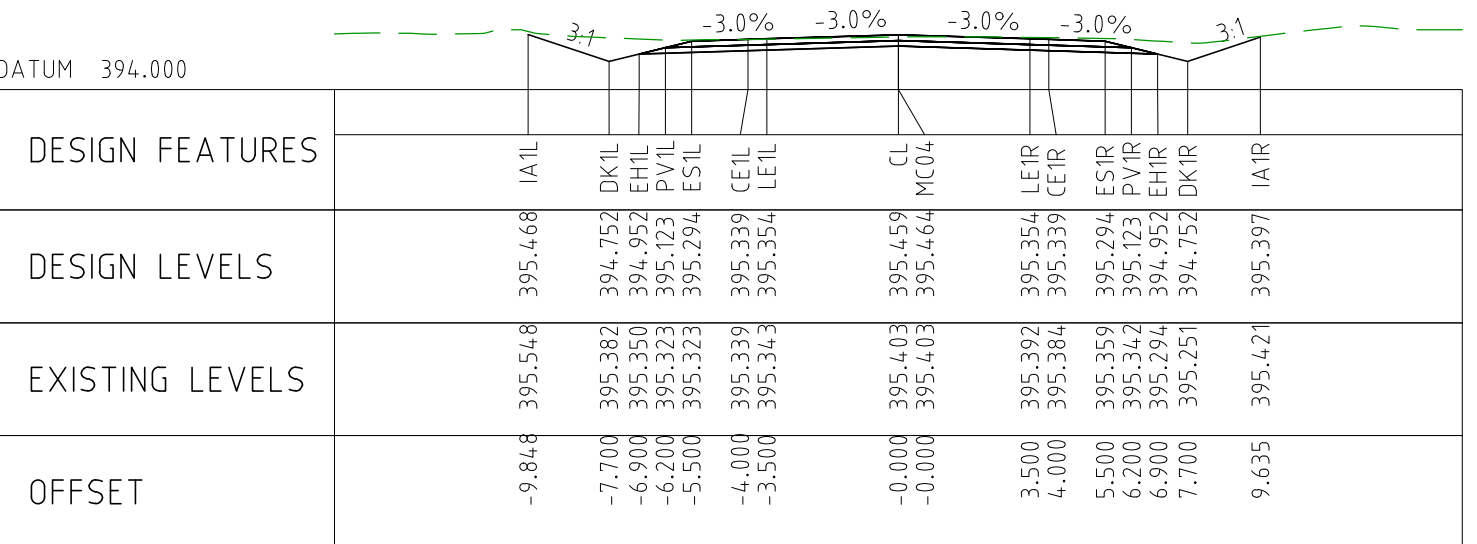
CHAINAGE 76700



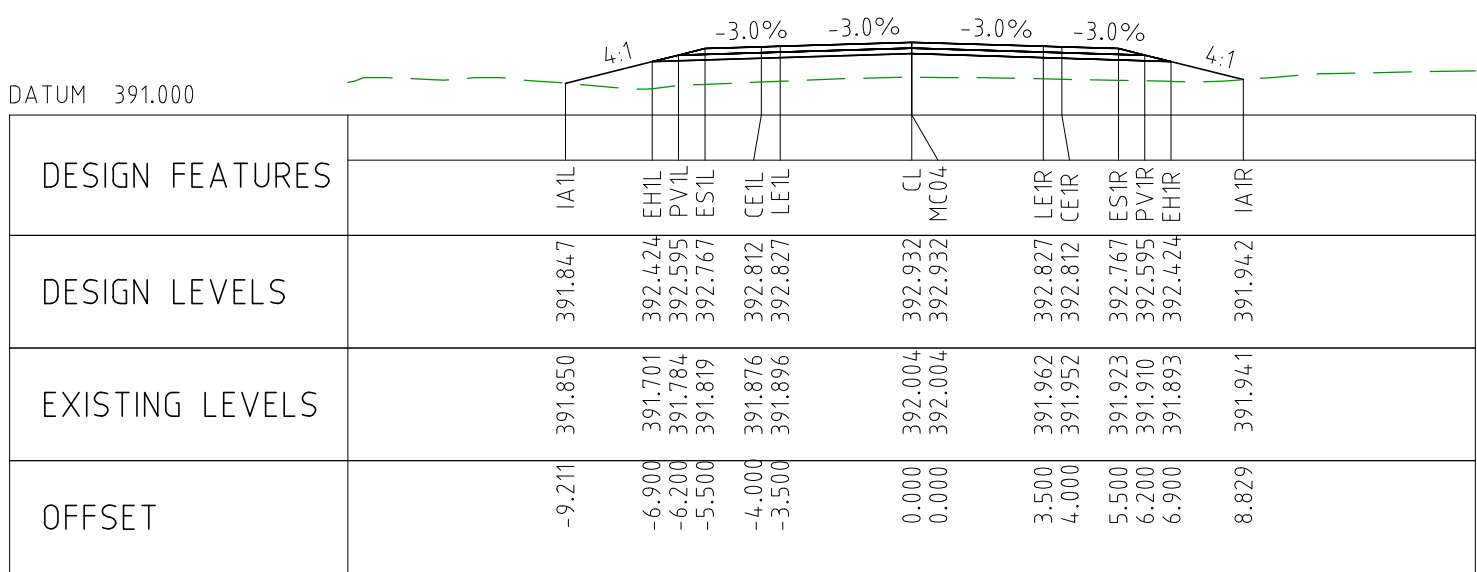
CHAINAGE 76650



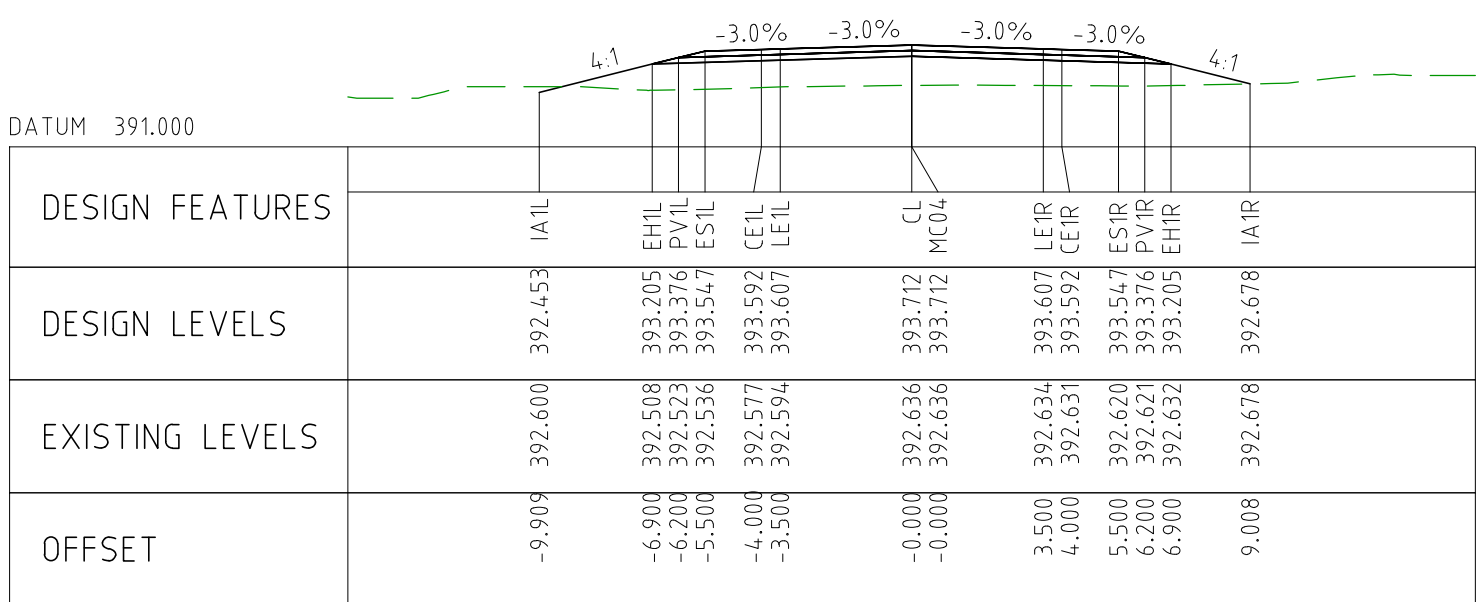
CHAINAGE 76600



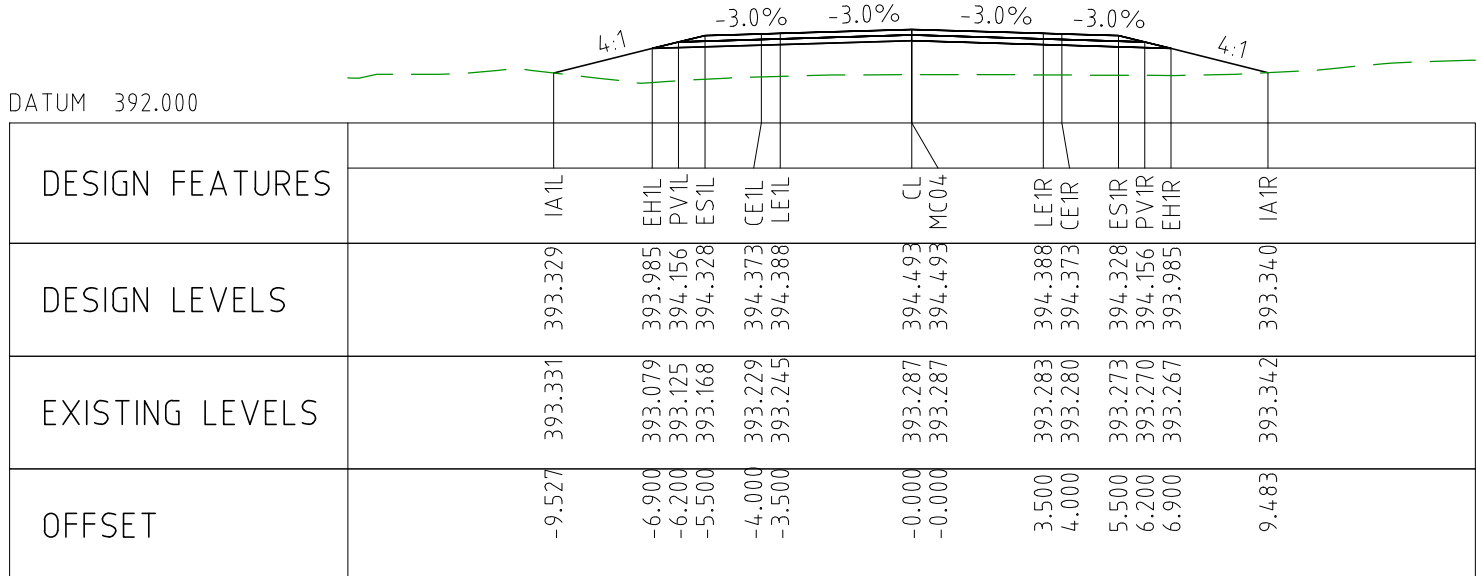
CHAINAGE 76550



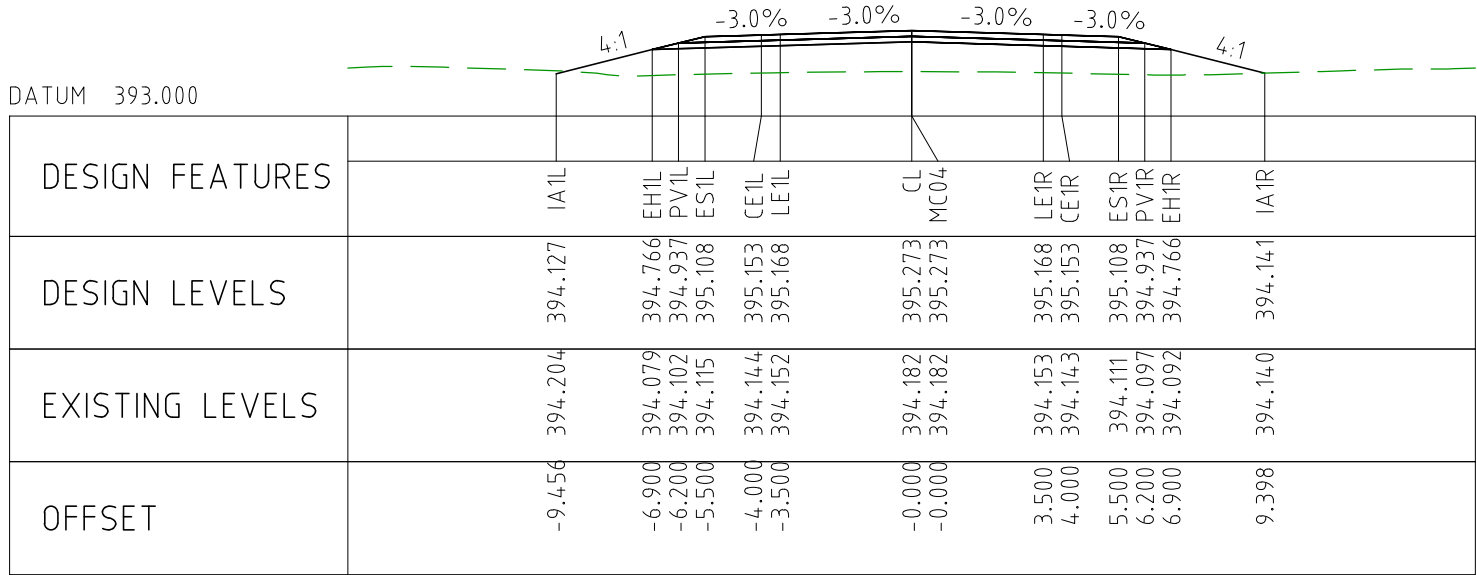
CHAINAGE 77000



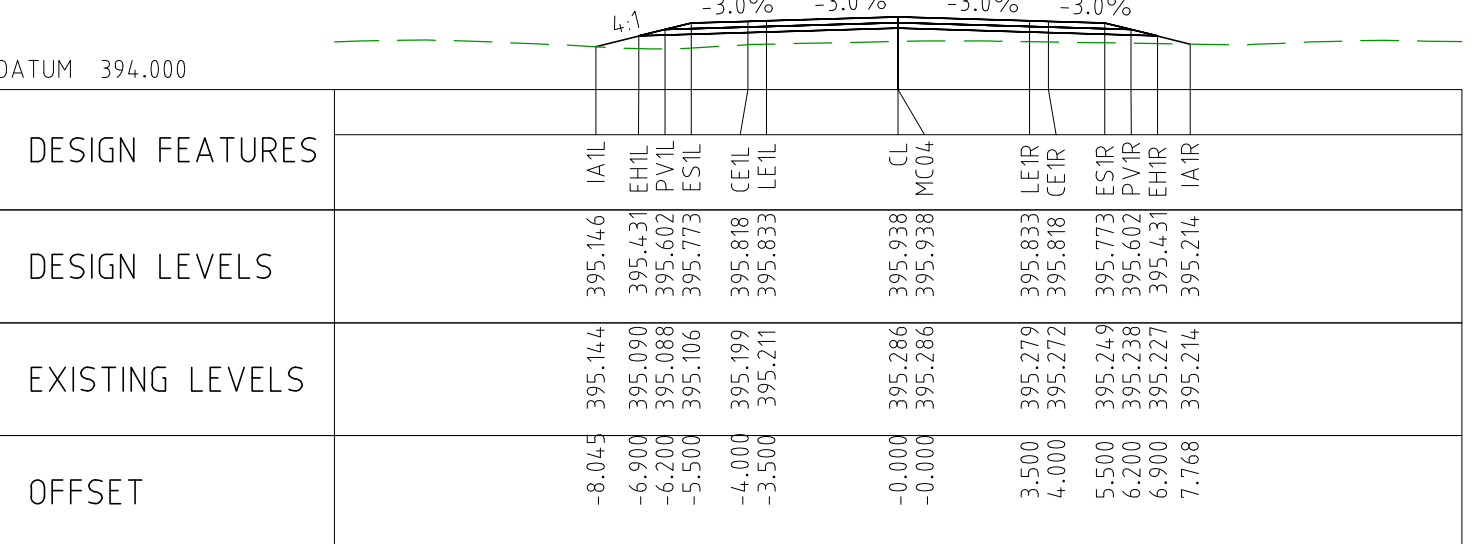
CHAINAGE 76950



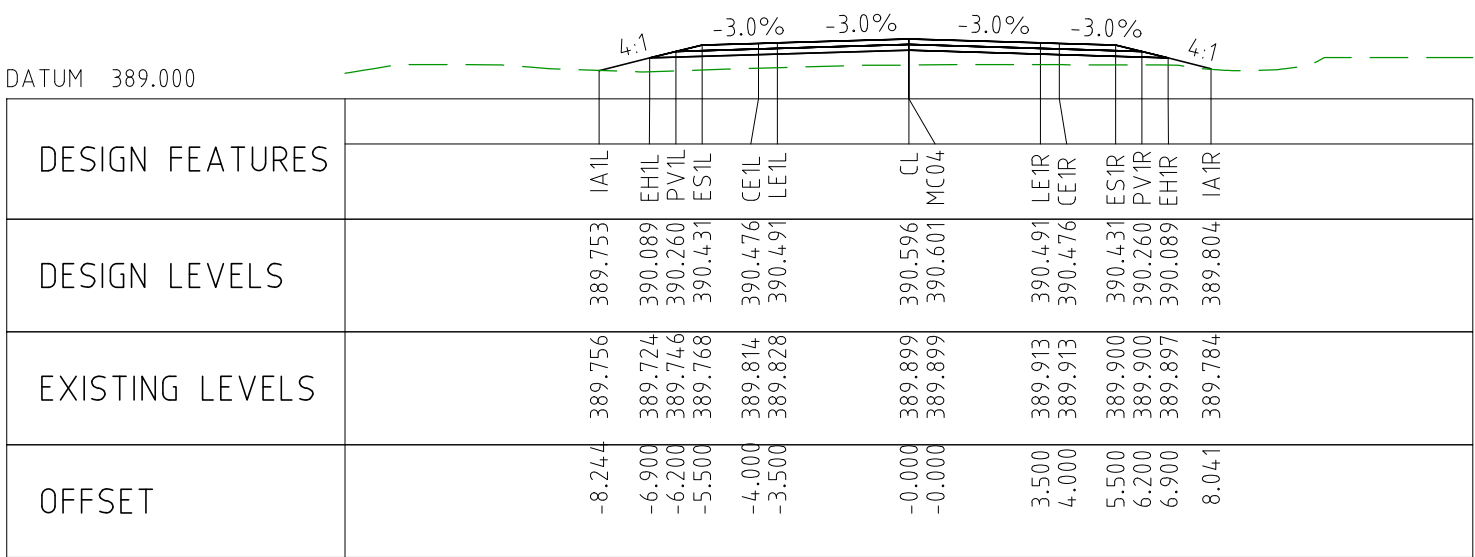
CHAINAGE 76900



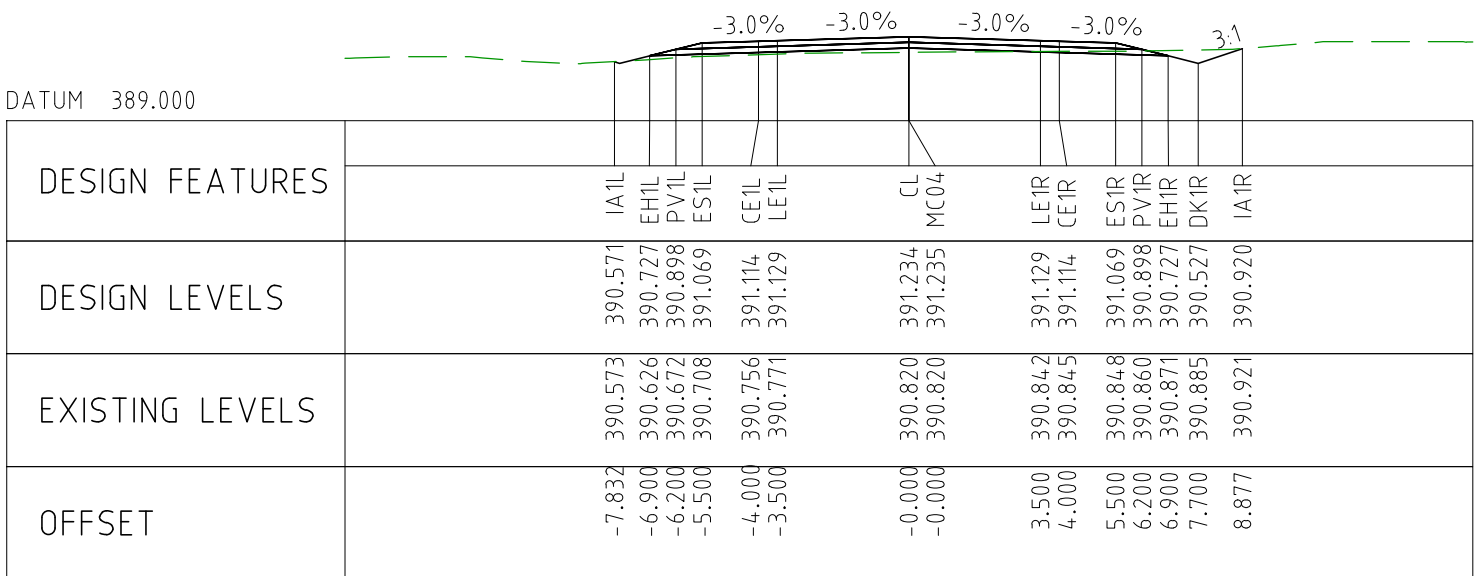
CHAINAGE 76850



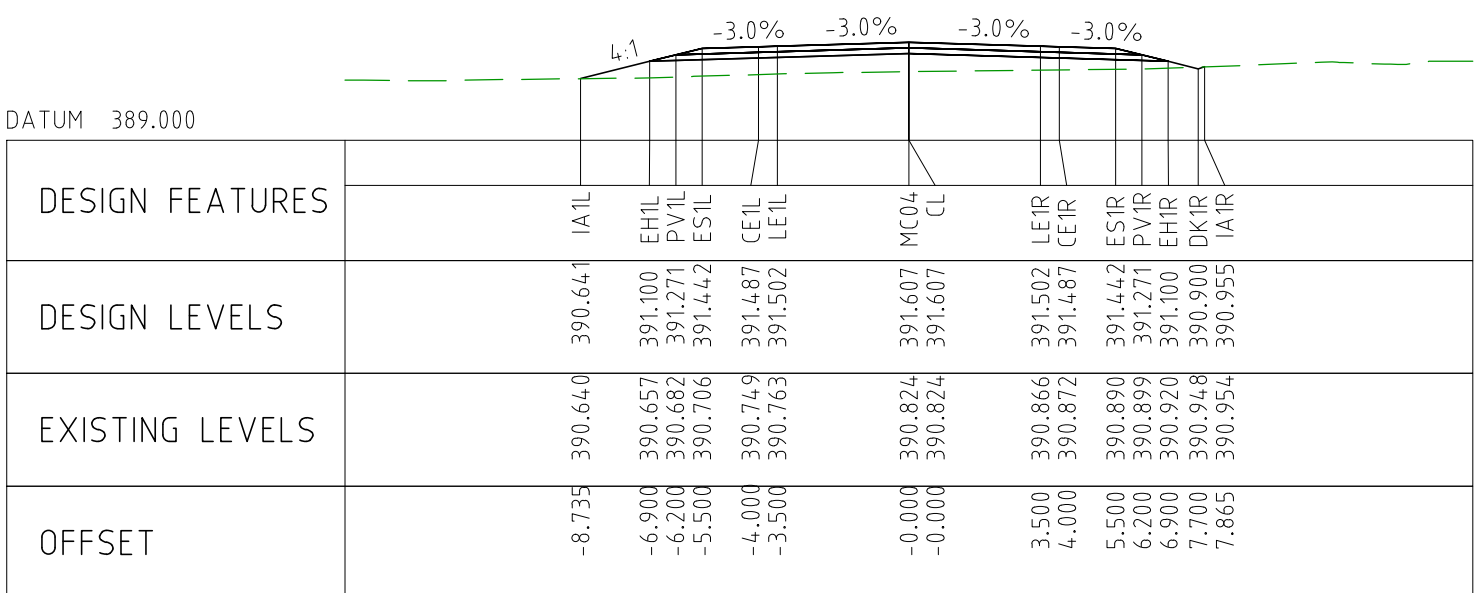
CHAINAGE 76800



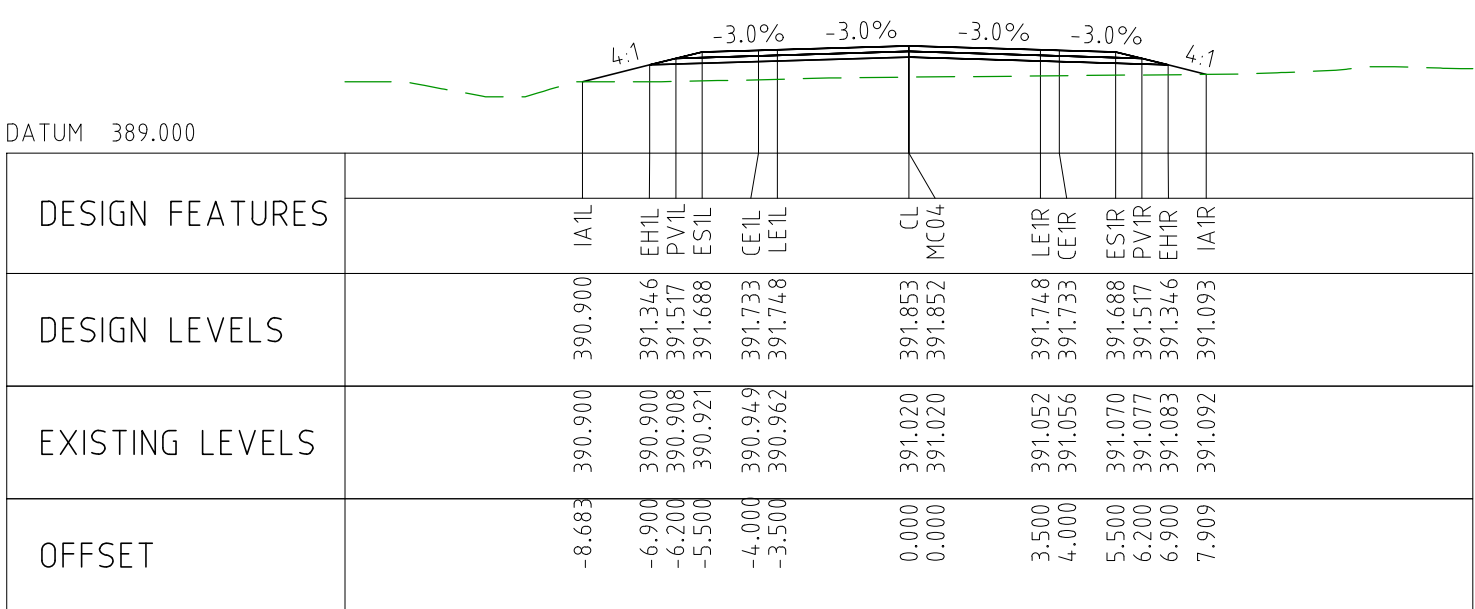
CHAINAGE 77250



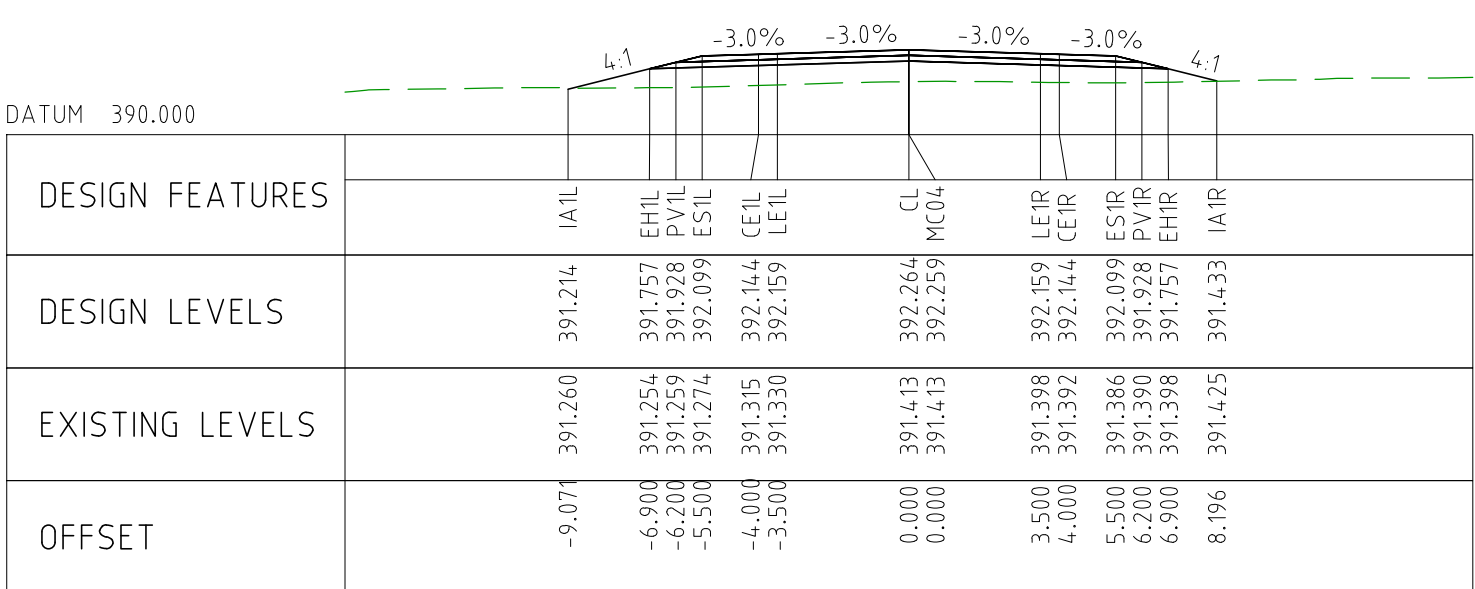
CHAINAGE 77200



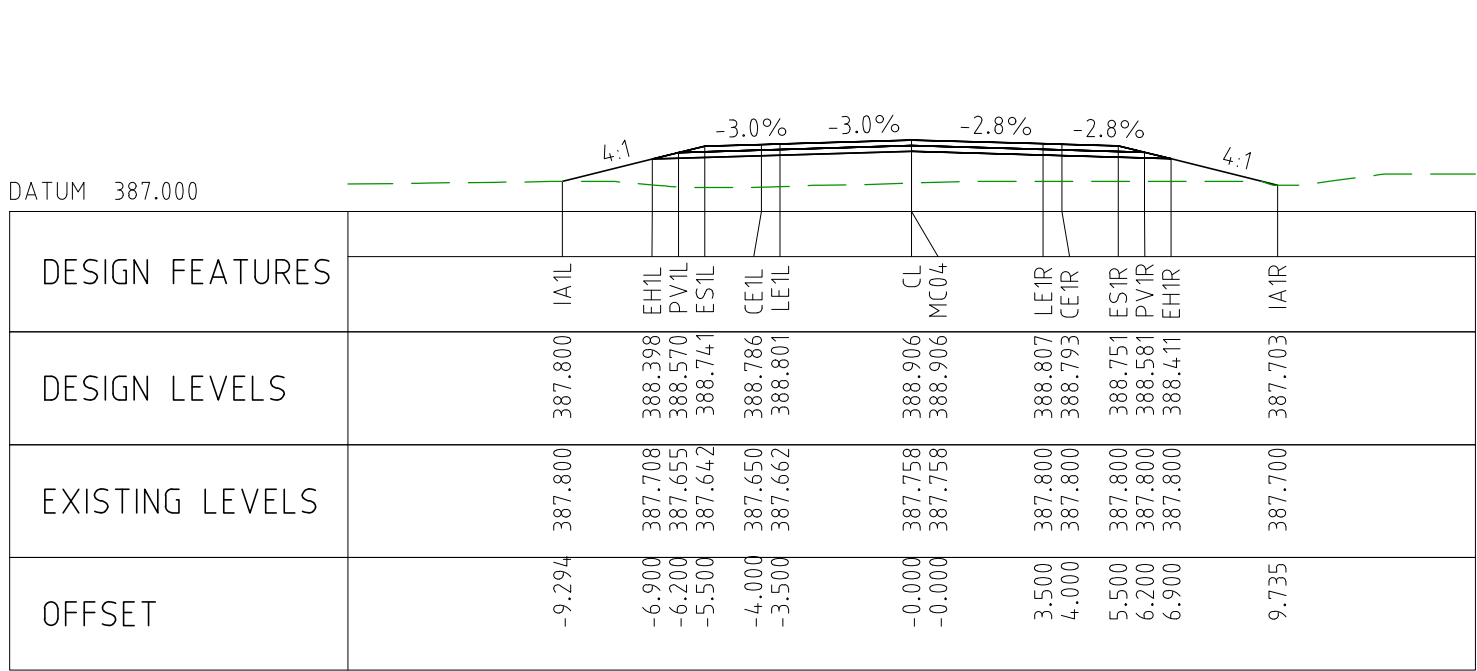
CHAINAGE 77150



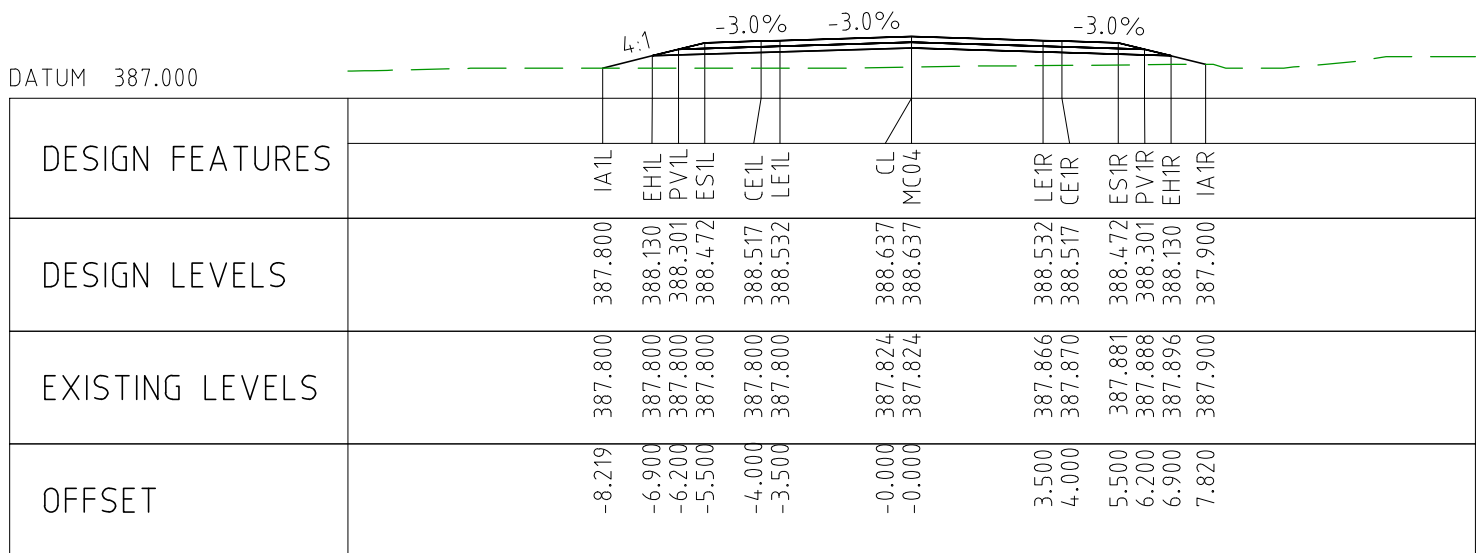
CHAINAGE 77100



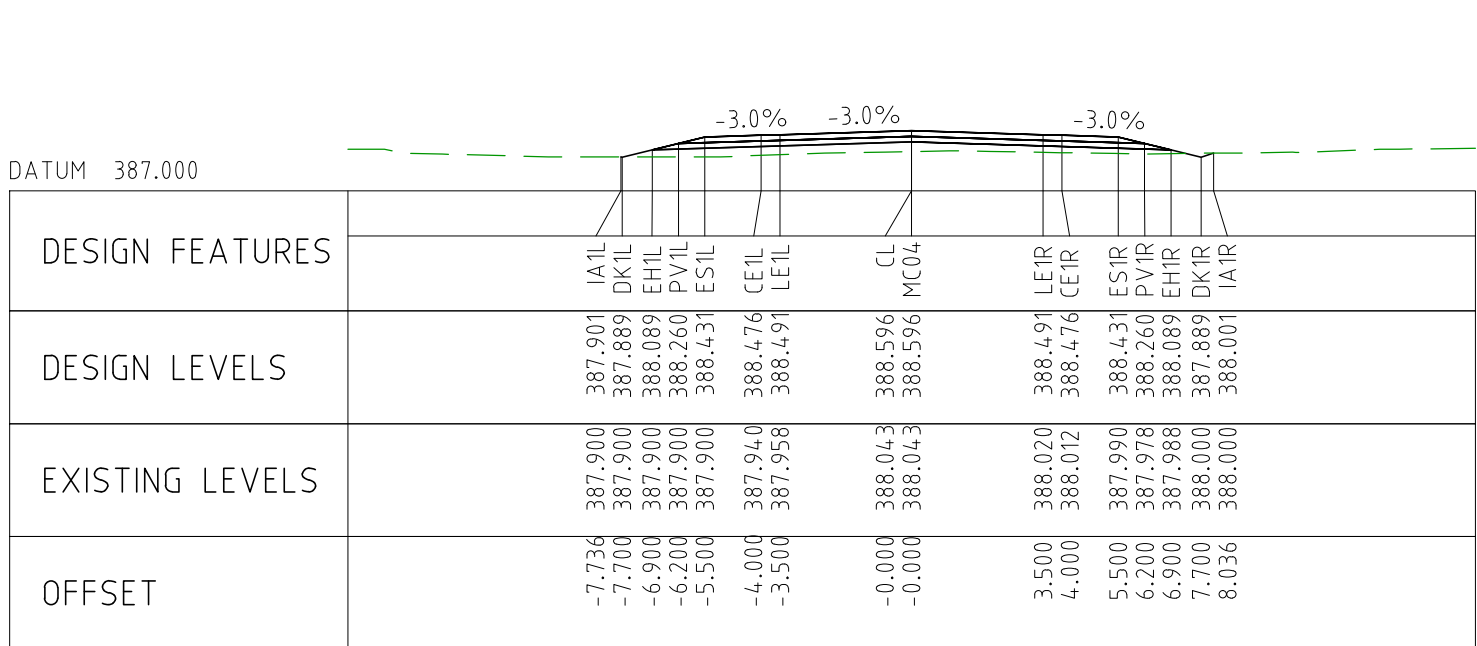
CHAINAGE 77050



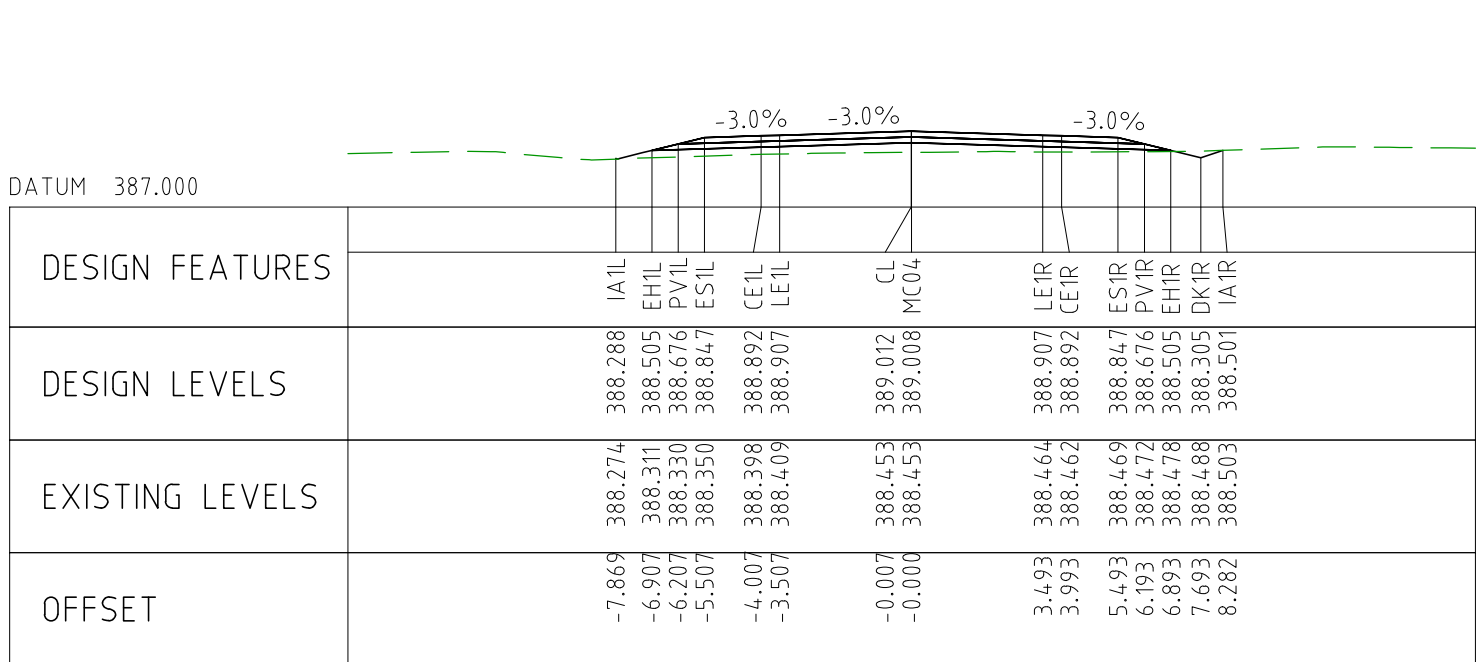
CHAINAGE 77500



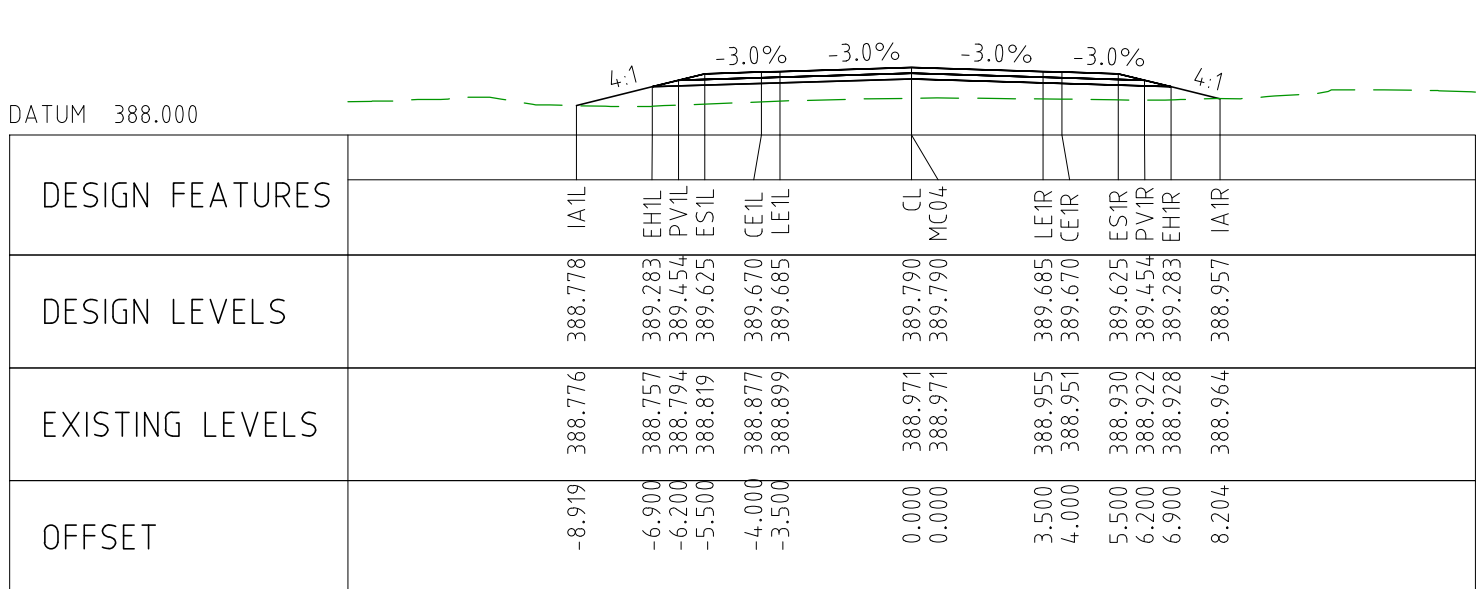
CHAINAGE 77450



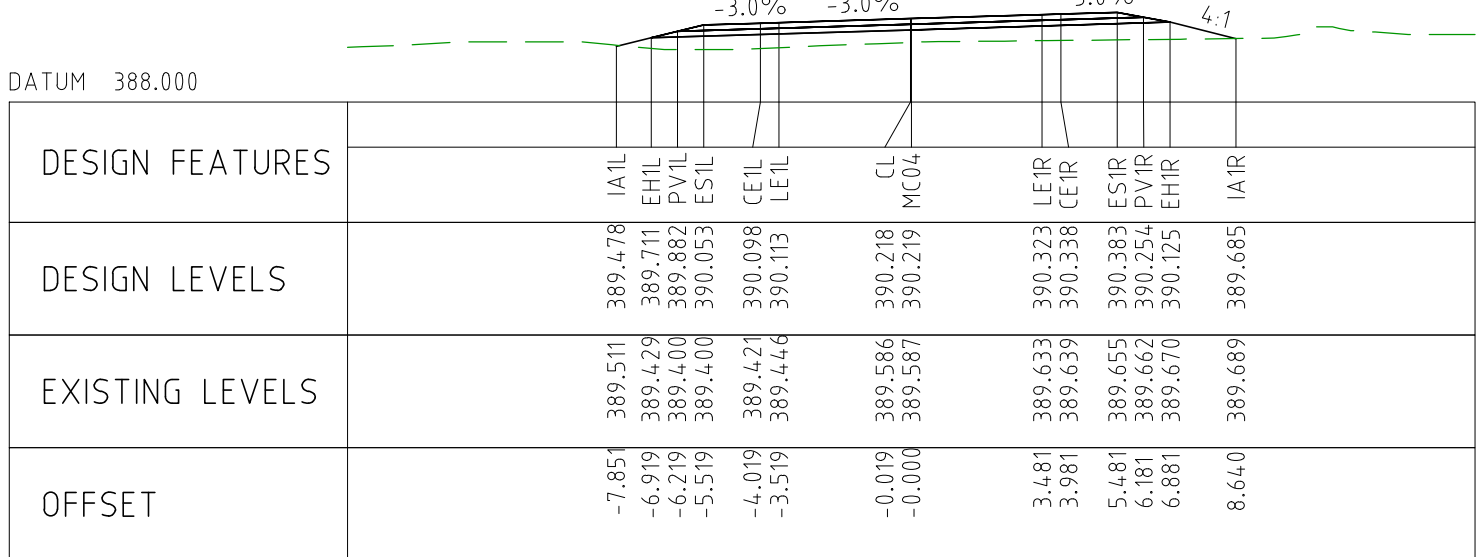
CHAINAGE 77400



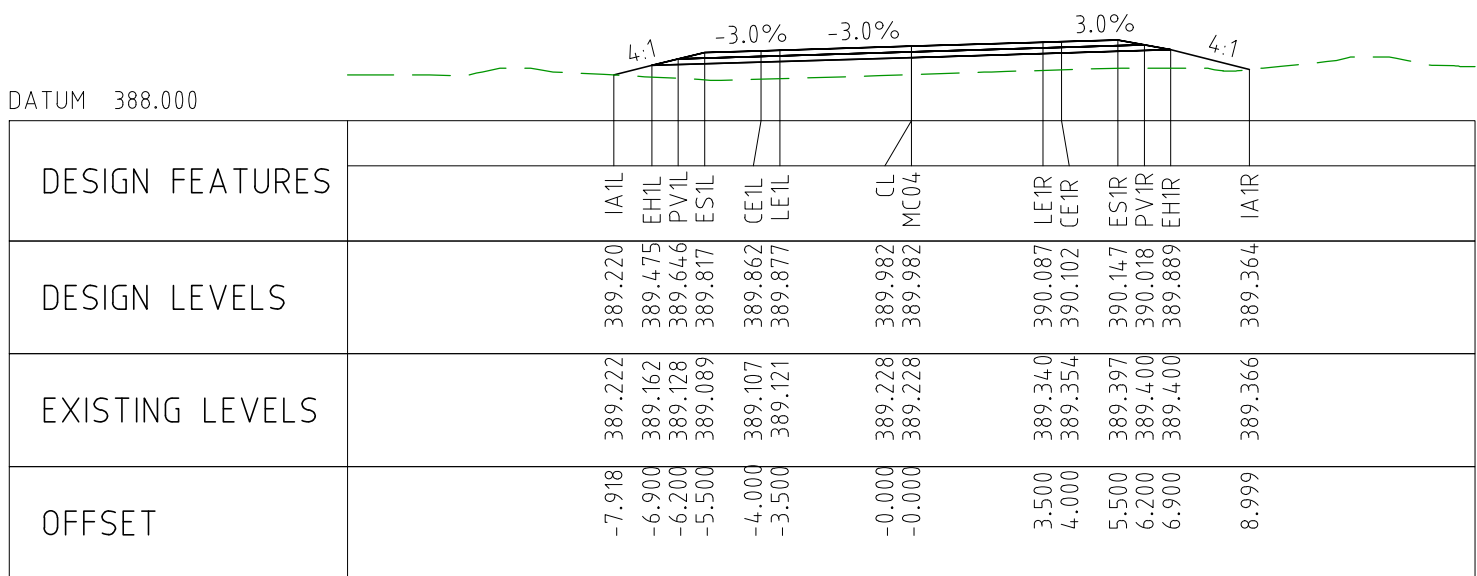
CHAINAGE 77350



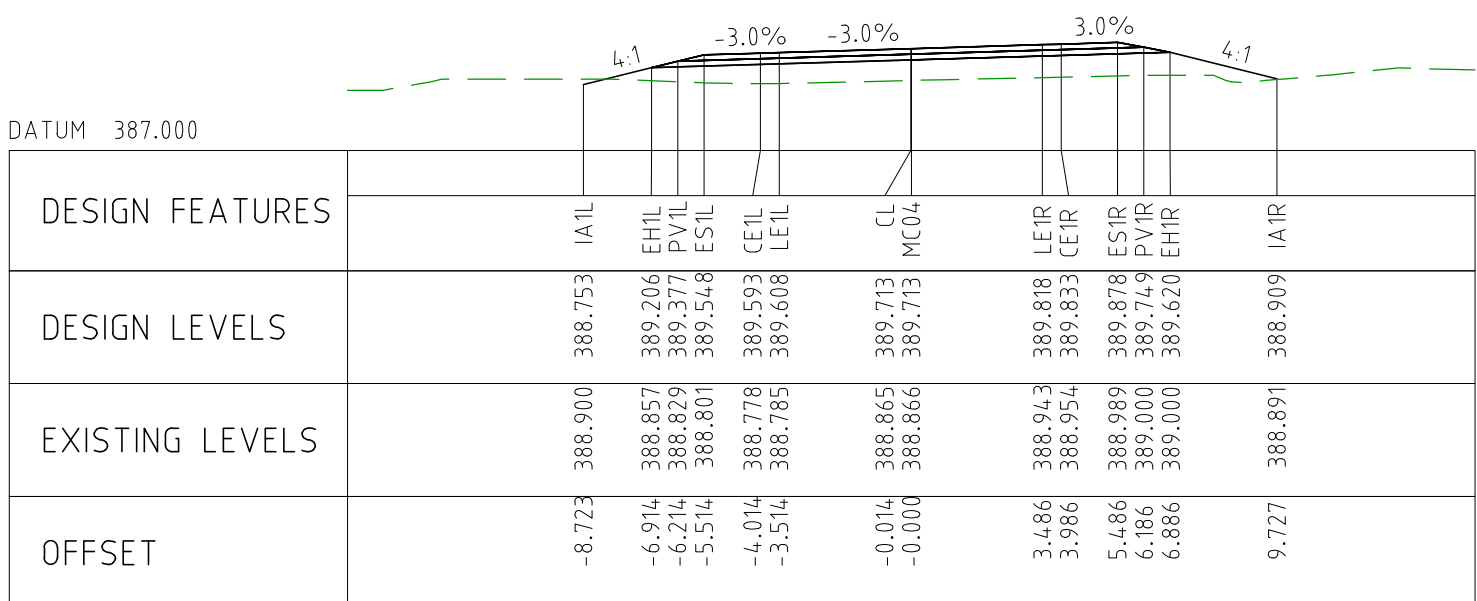
CHAINAGE 77300



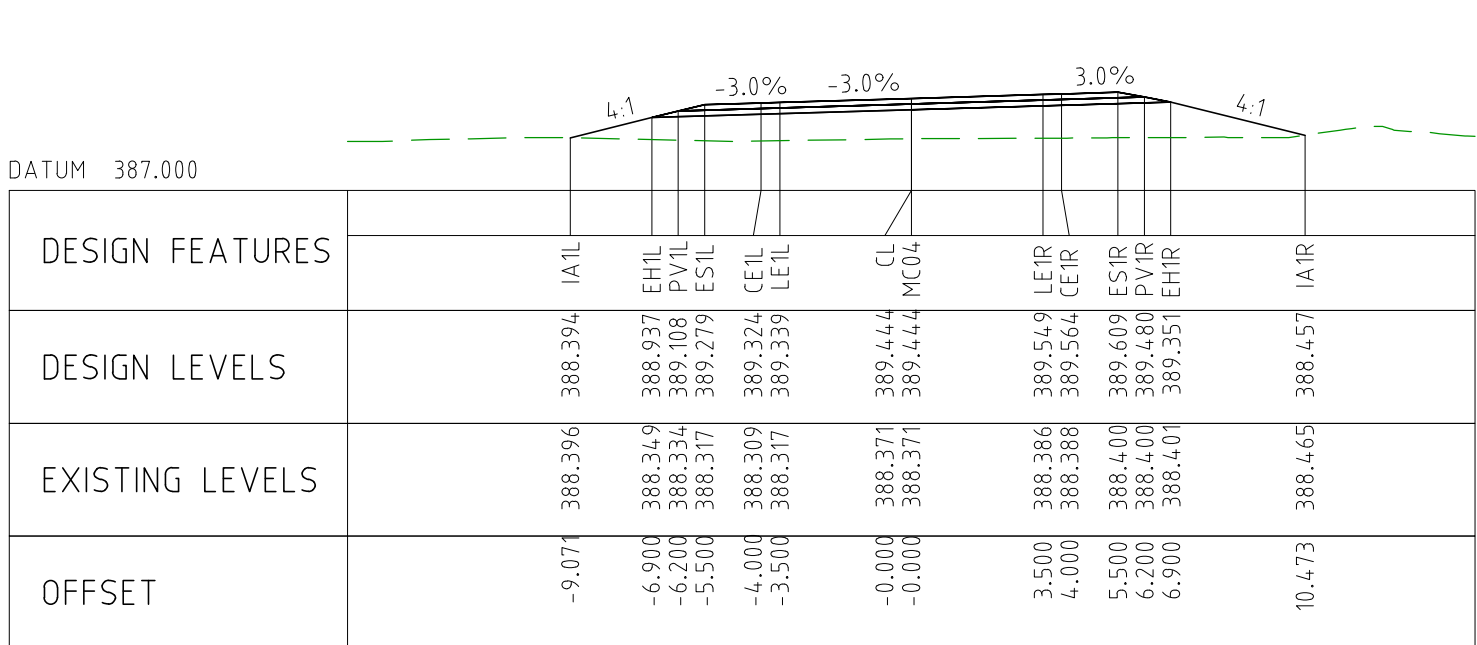
CHAINAGE 77750



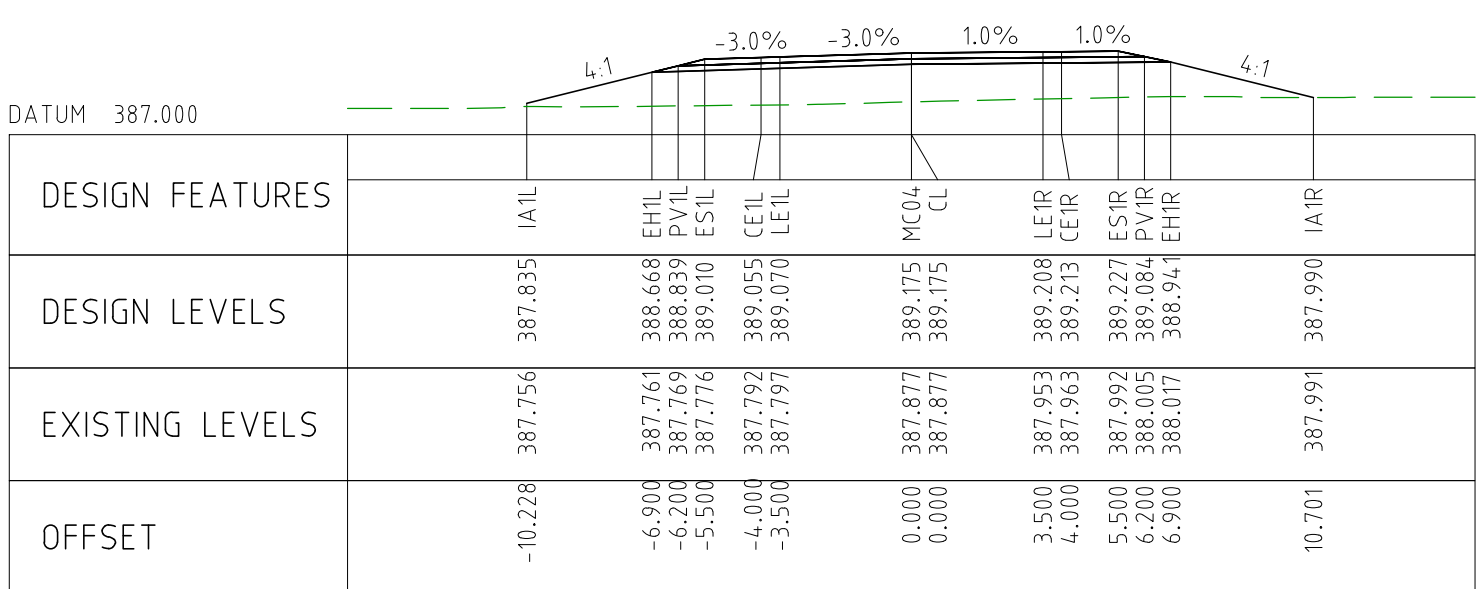
CHAINAGE 77700



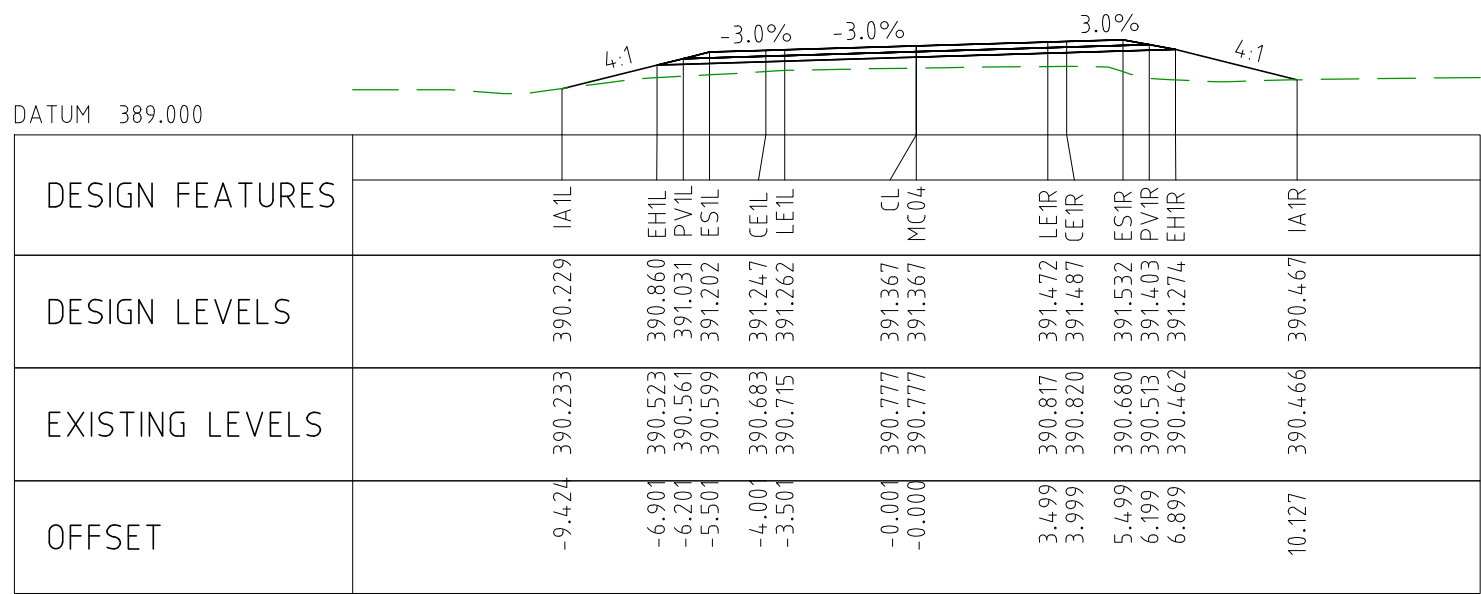
CHAINAGE 77650



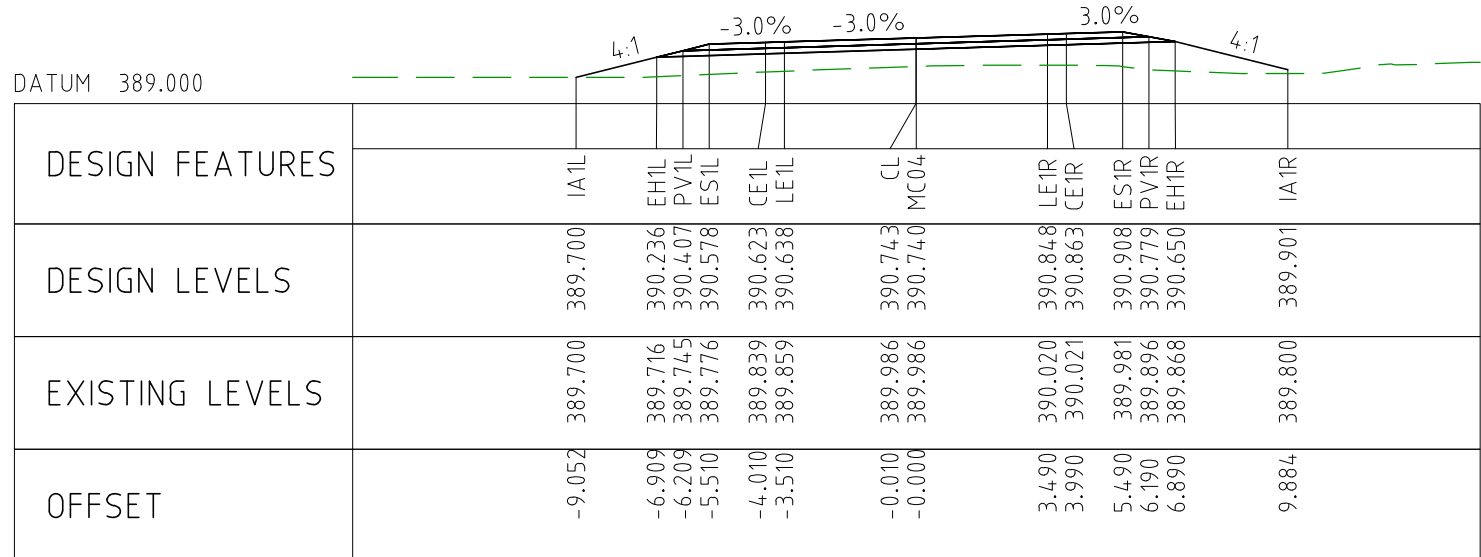
CHAINAGE 77600



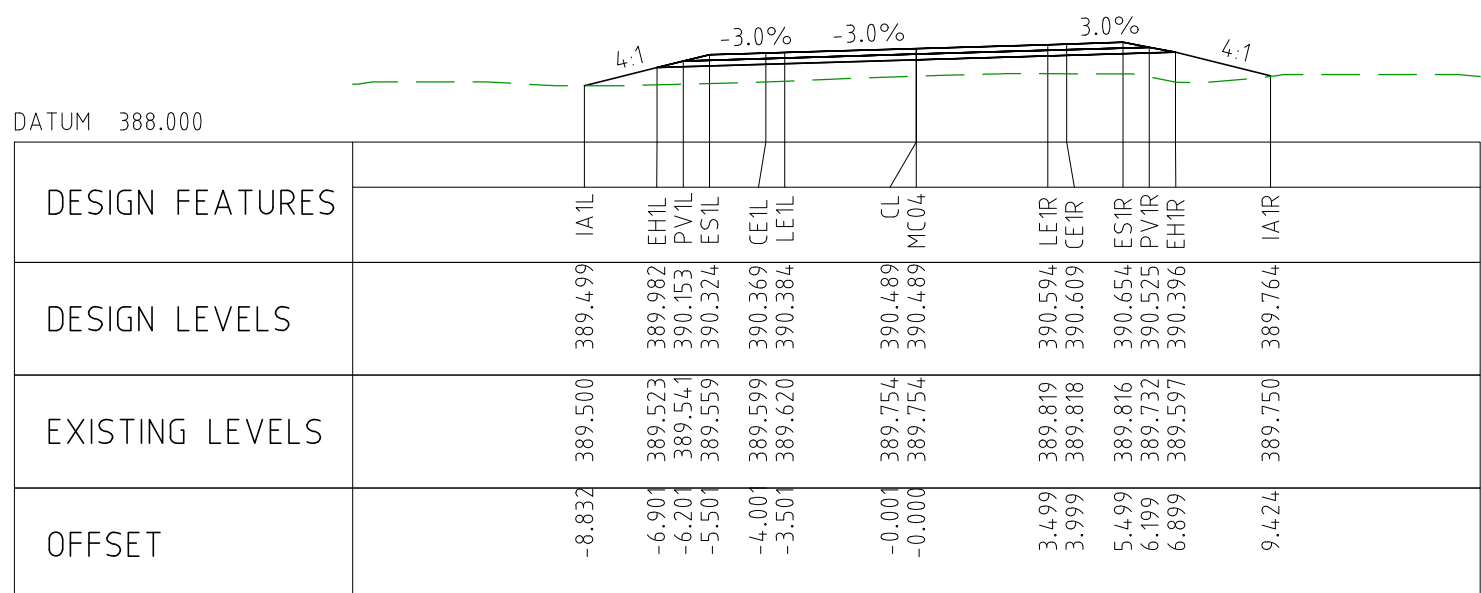
CHAINAGE 77550



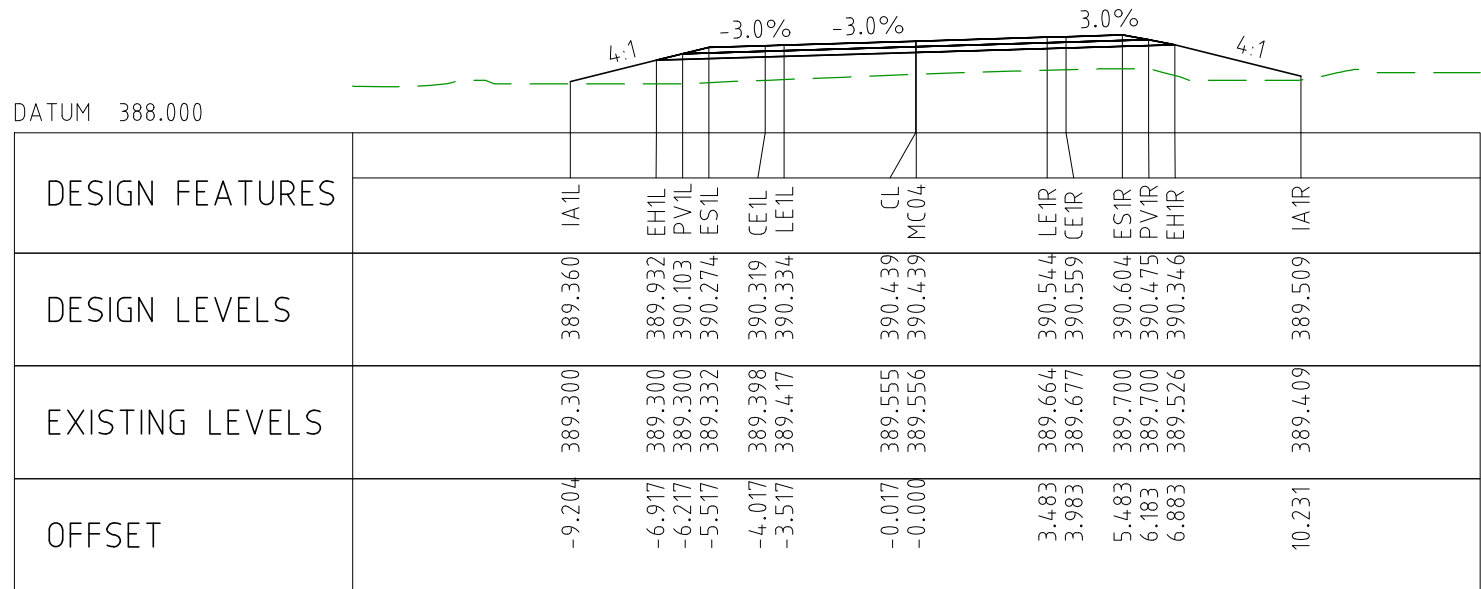
CHAINAGE 78000



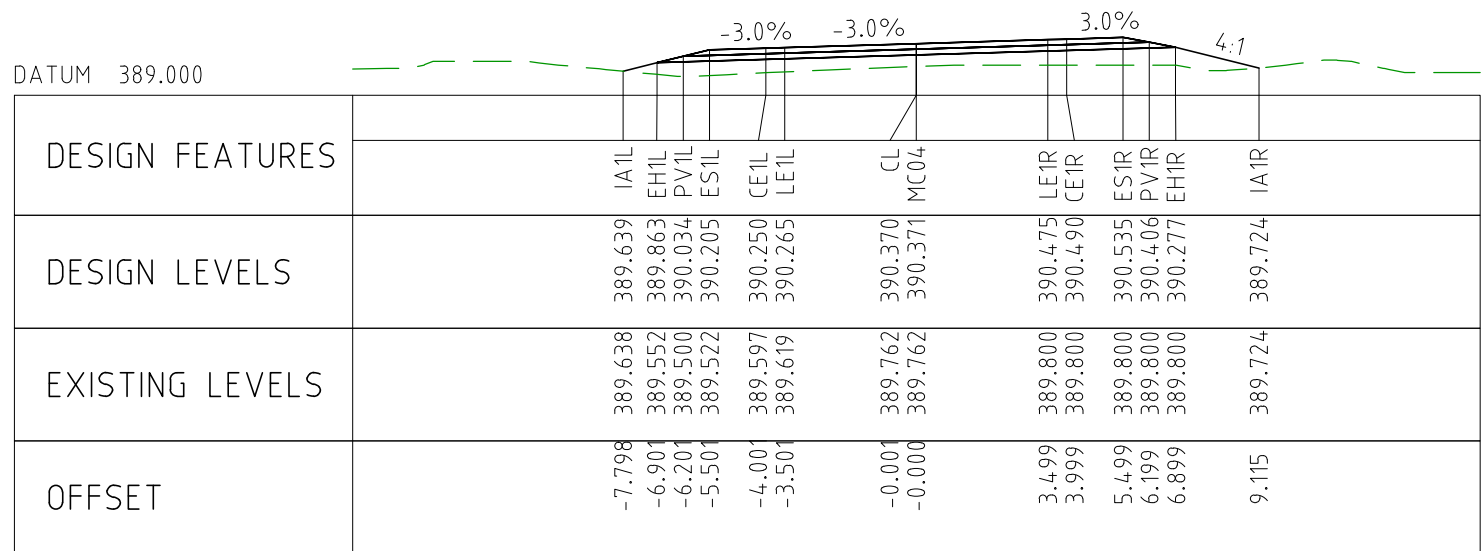
CHAINAGE 77950



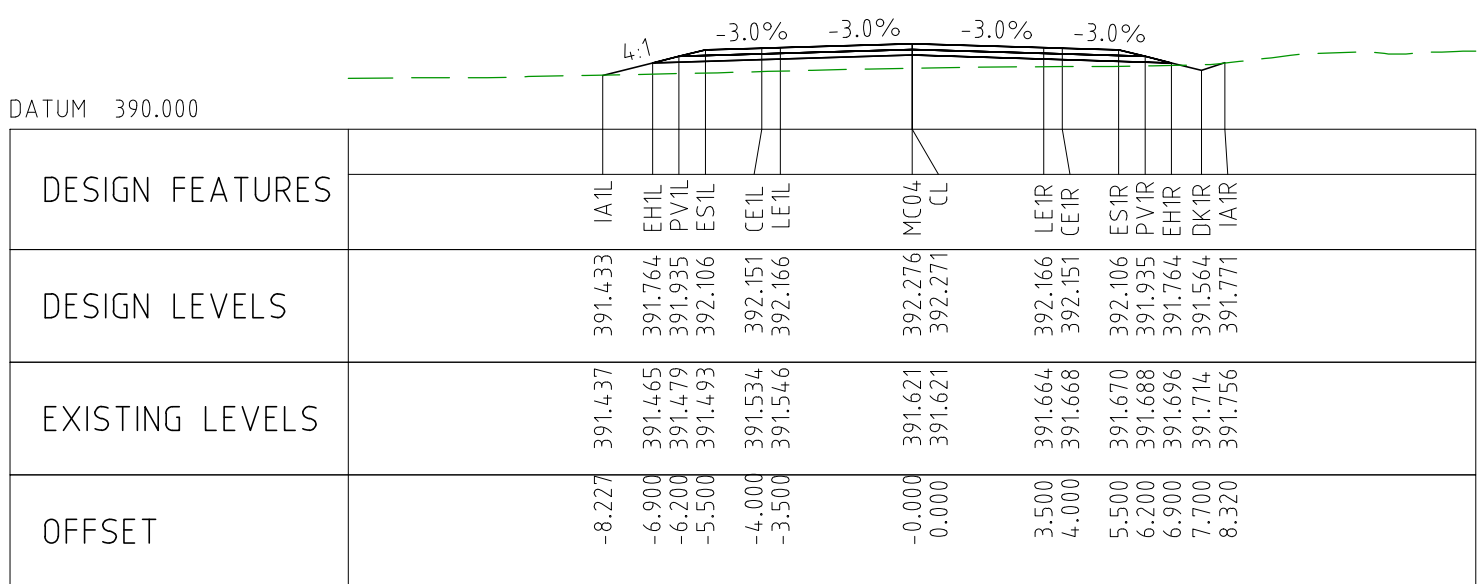
CHAINAGE 77900



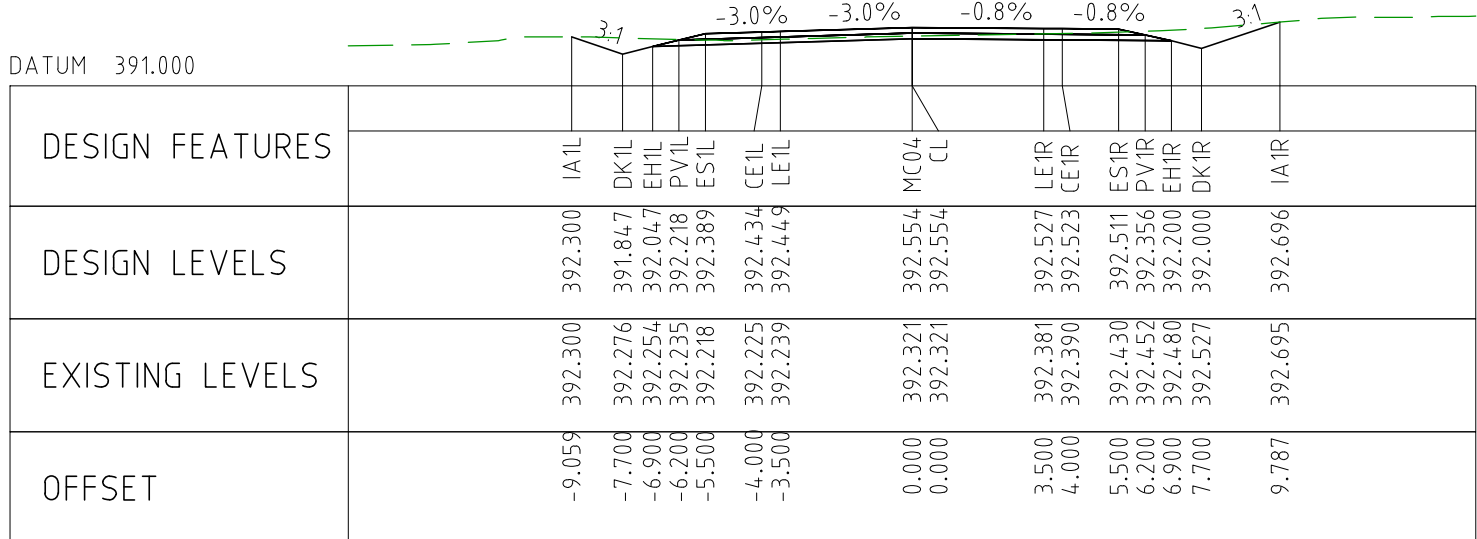
CHAINAGE 77850



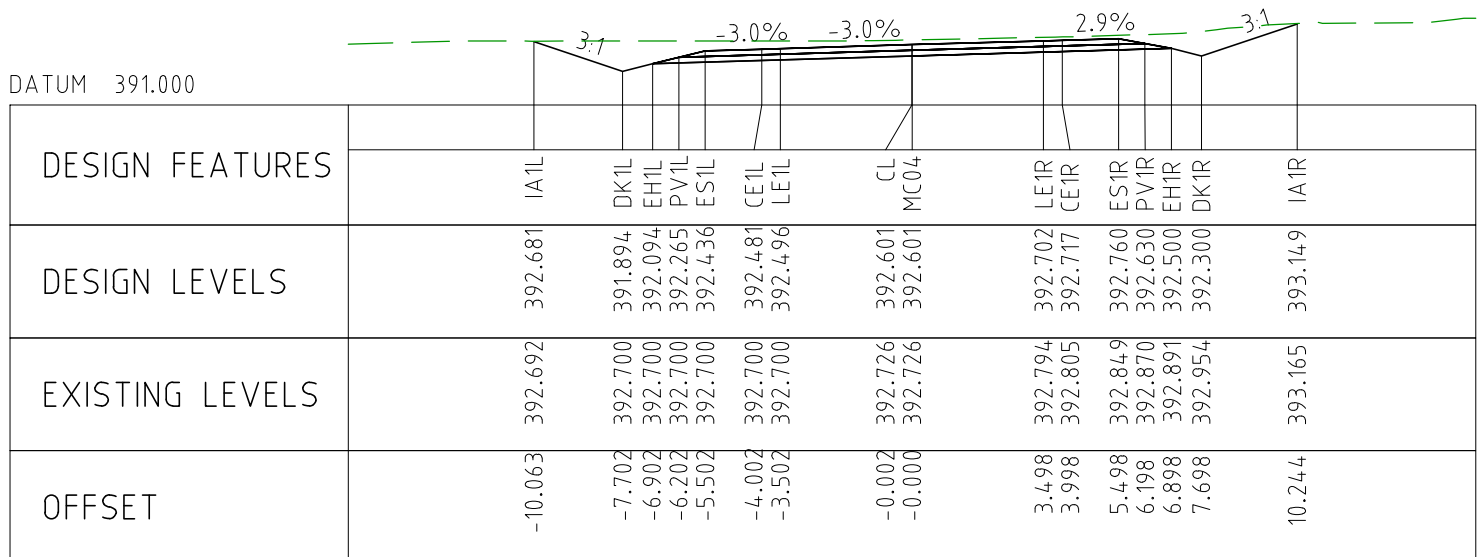
CHAINAGE 77800



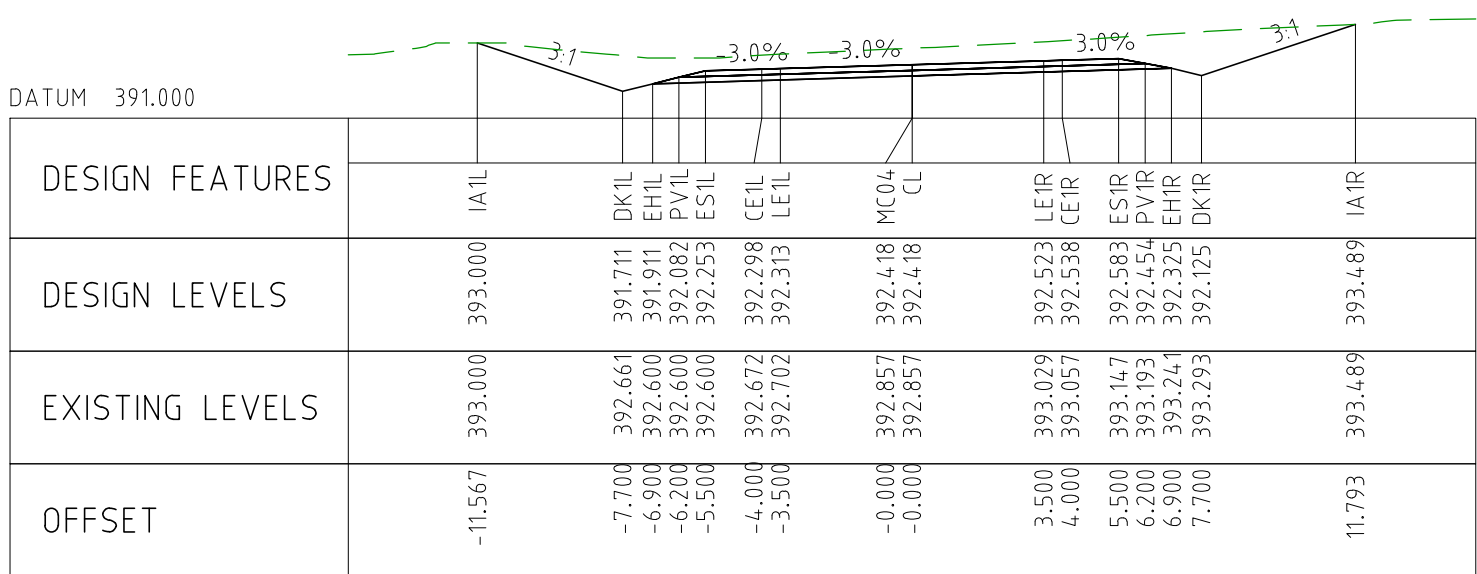
CHAINAGE 78250



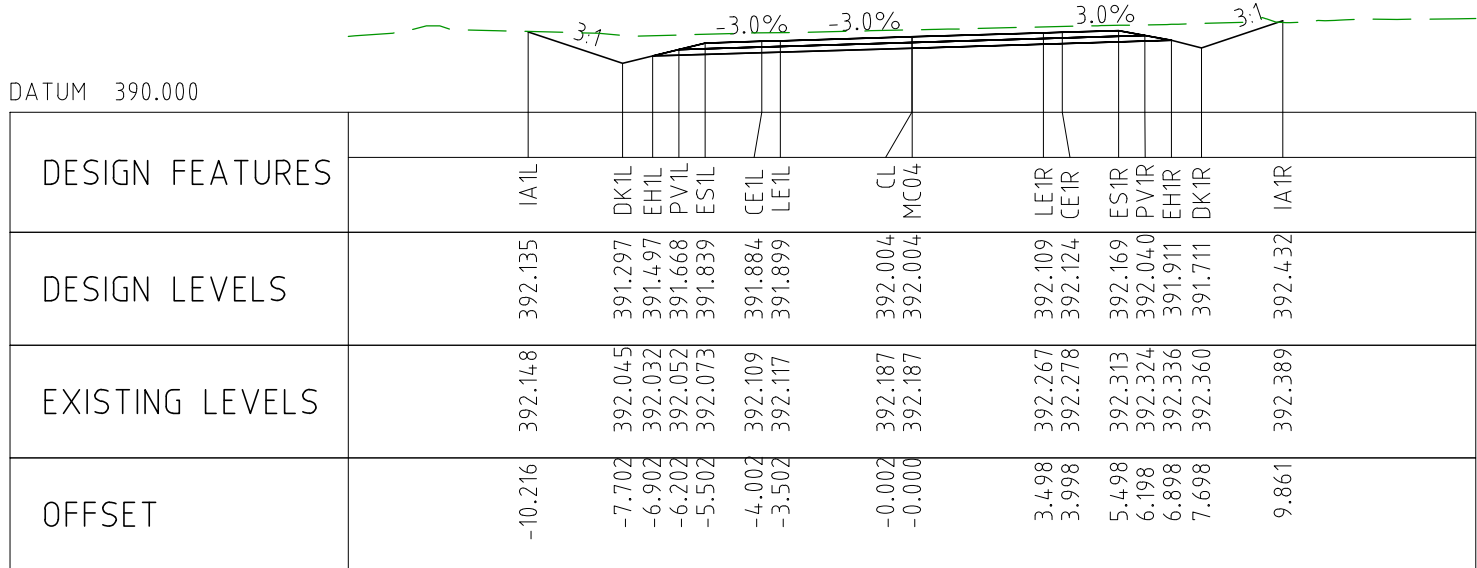
CHAINAGE 78200



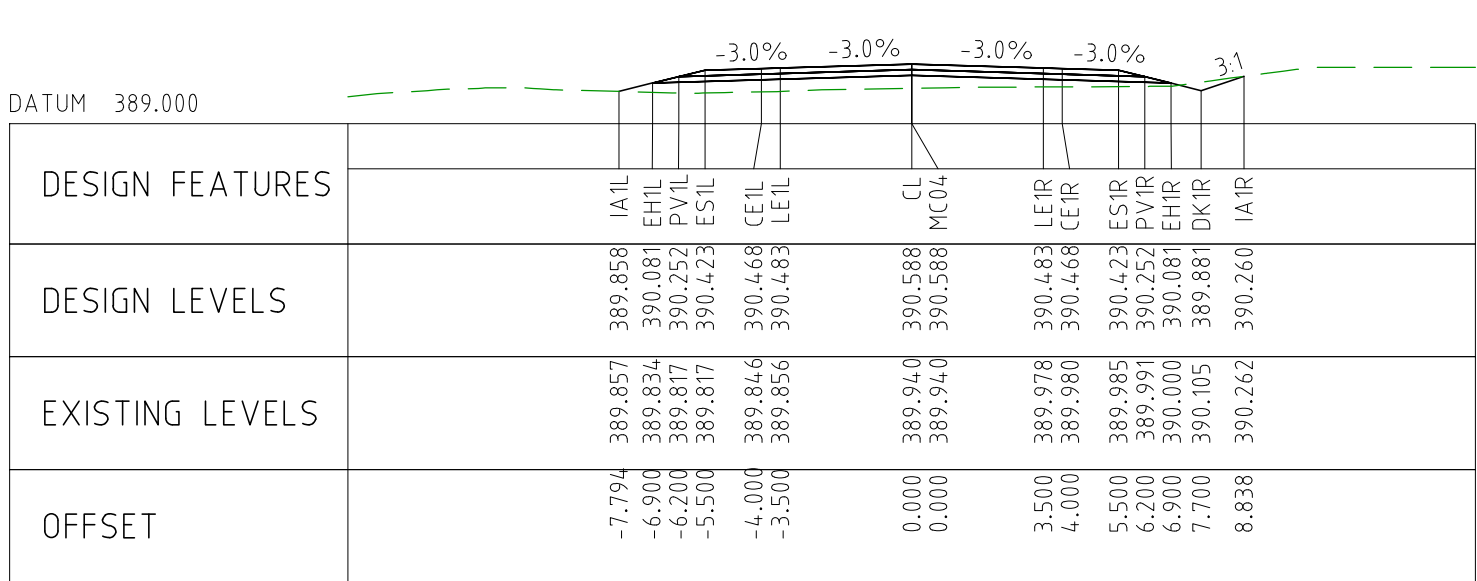
CHAINAGE 78150



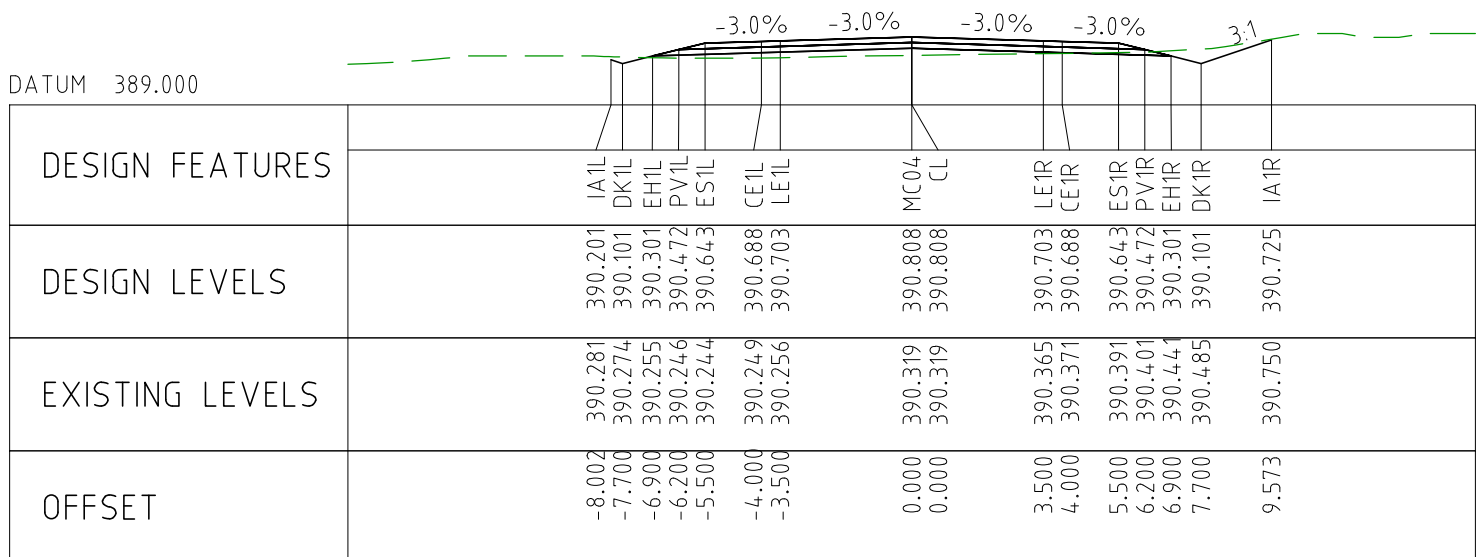
CHAINAGE 78100



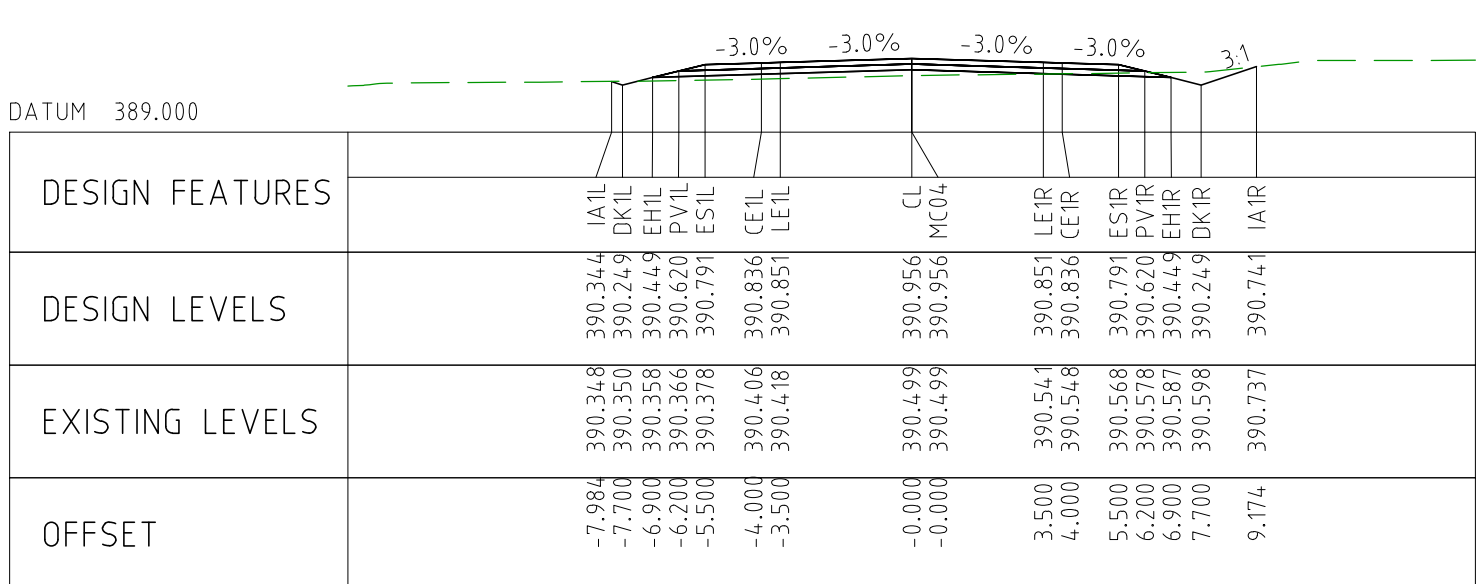
CHAINAGE 78050



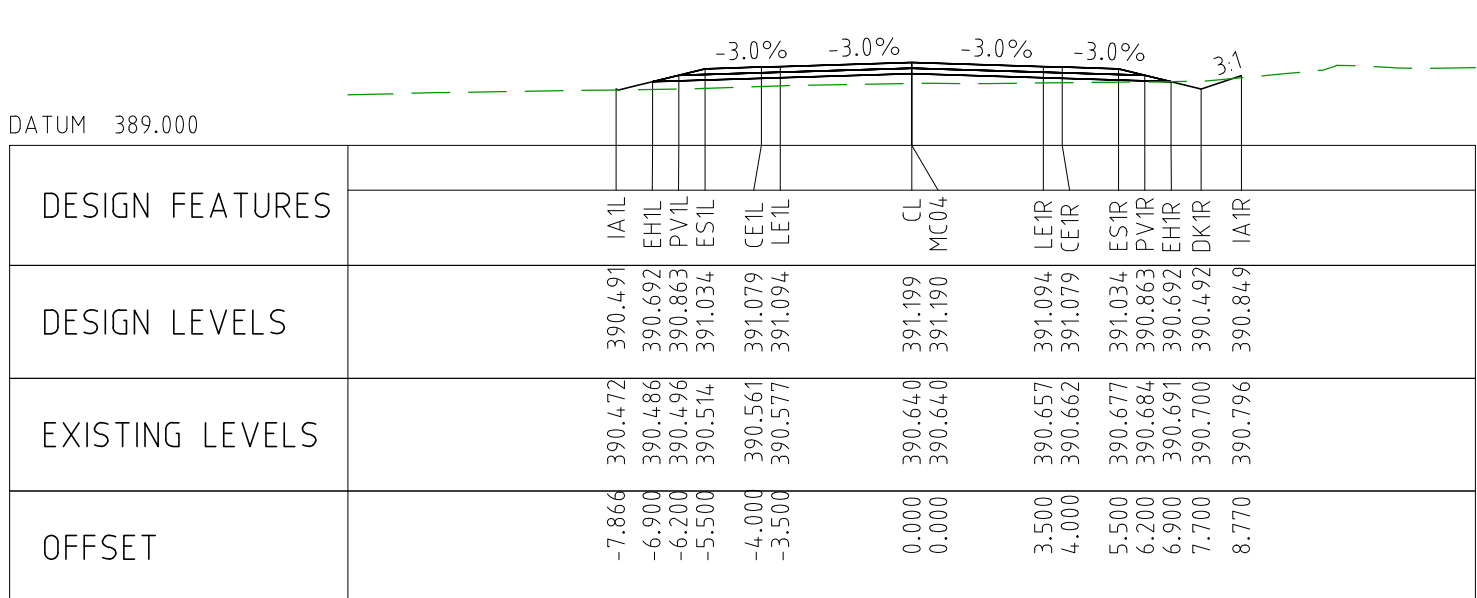
CHAINAGE 78500



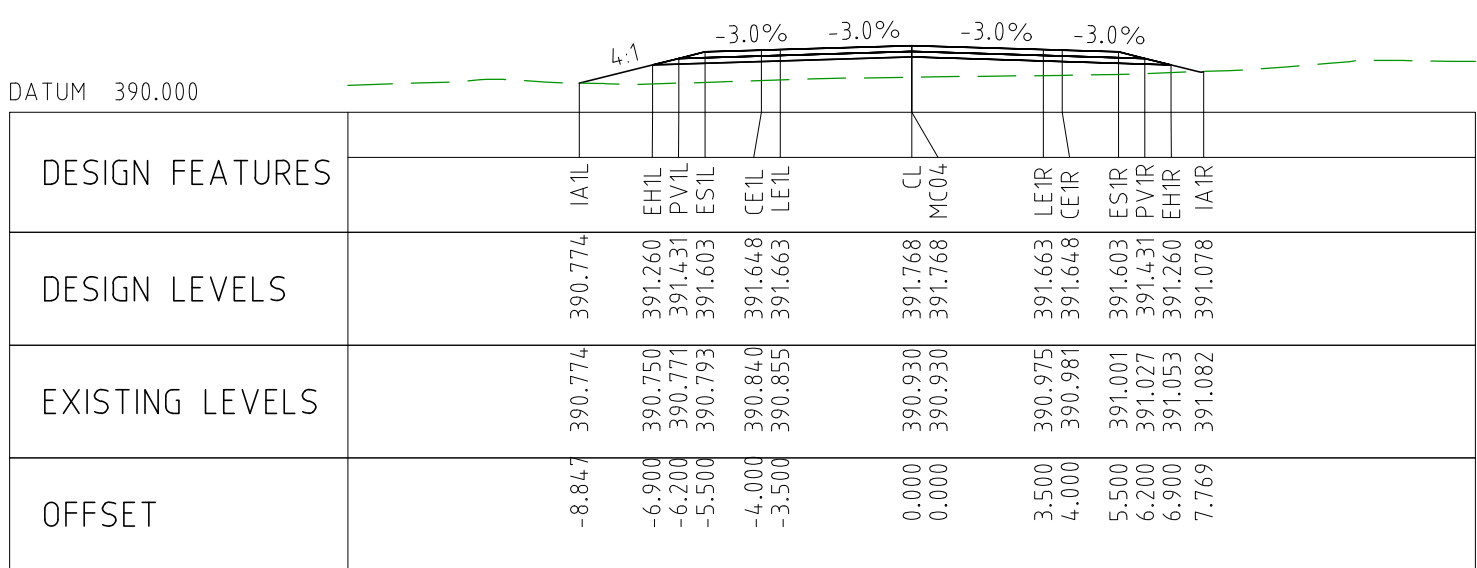
CHAINAGE 78450

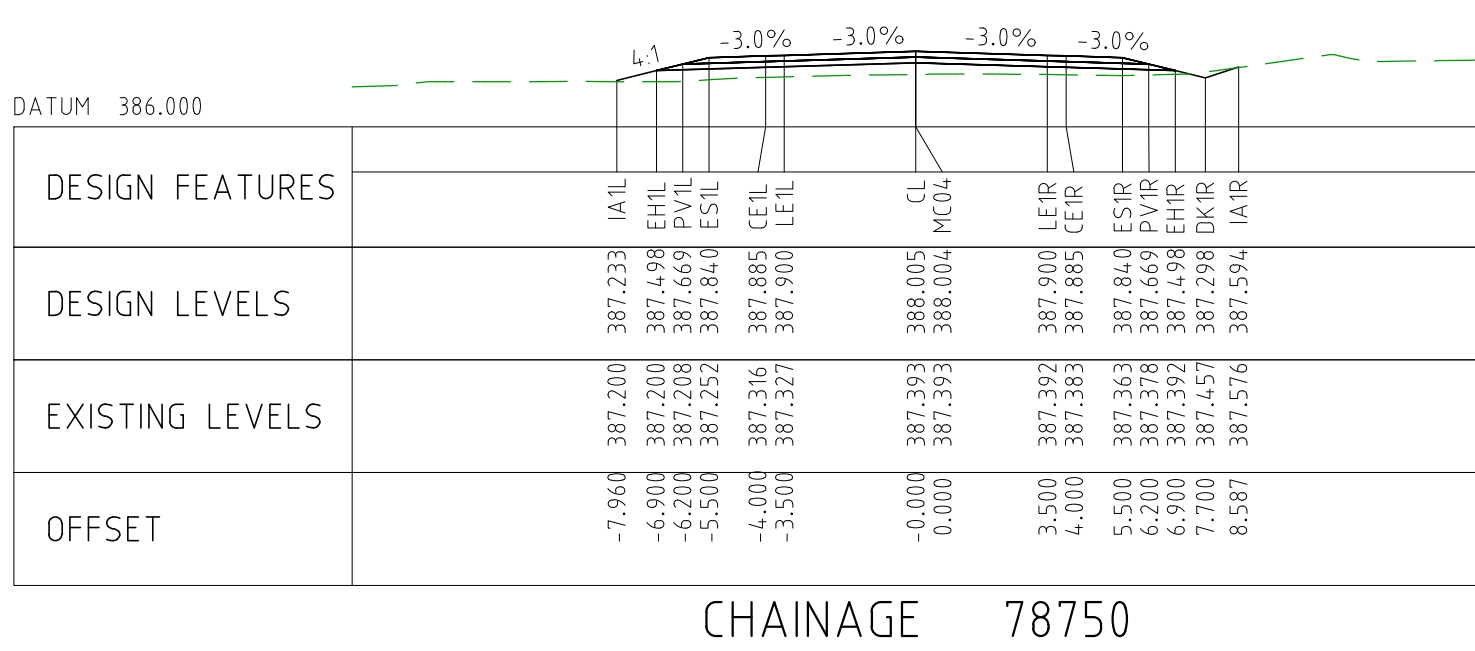


CHAINAGE 78400

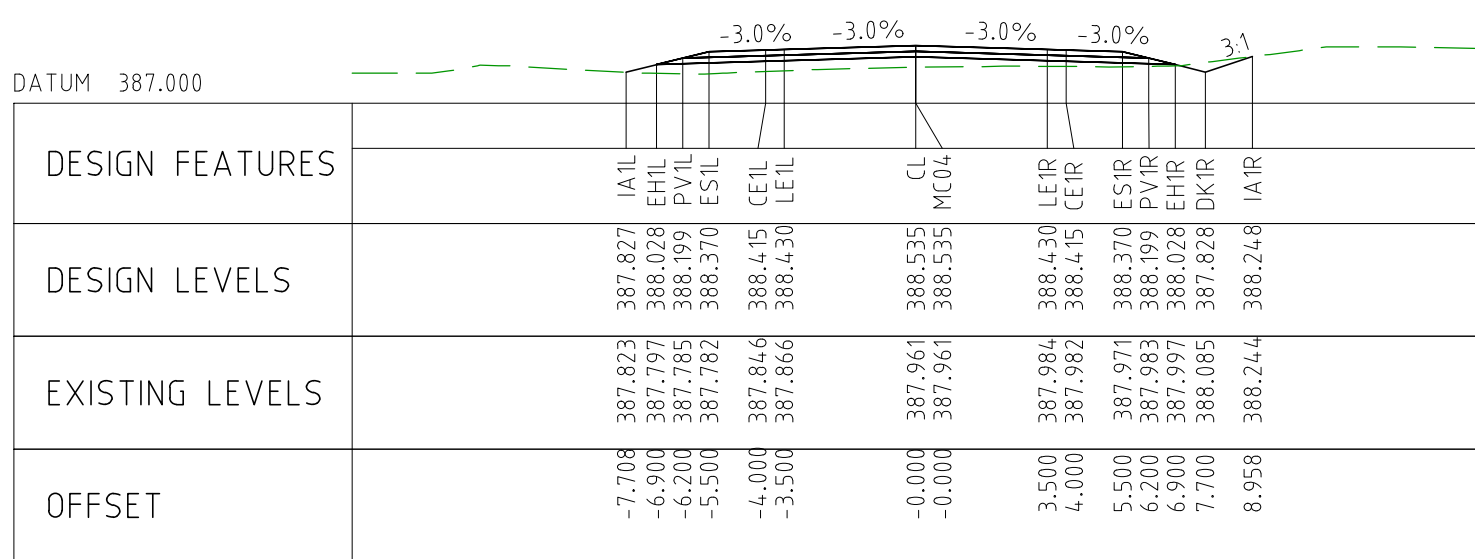


CHAINAGE 78350

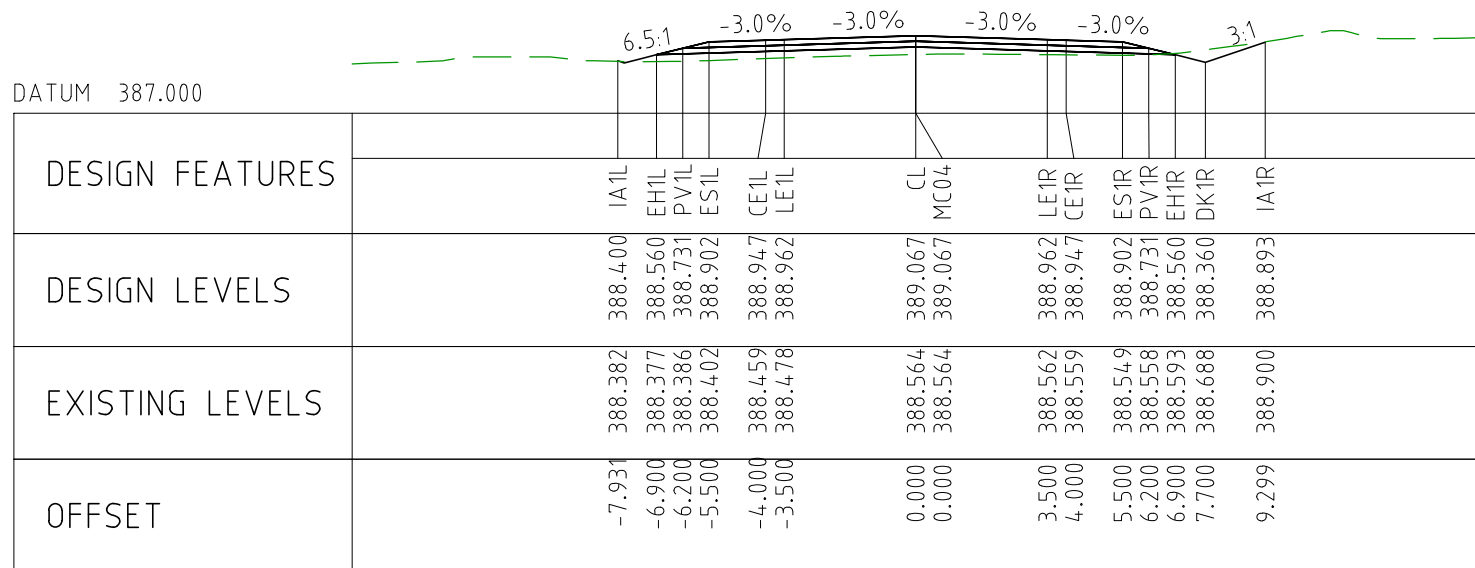




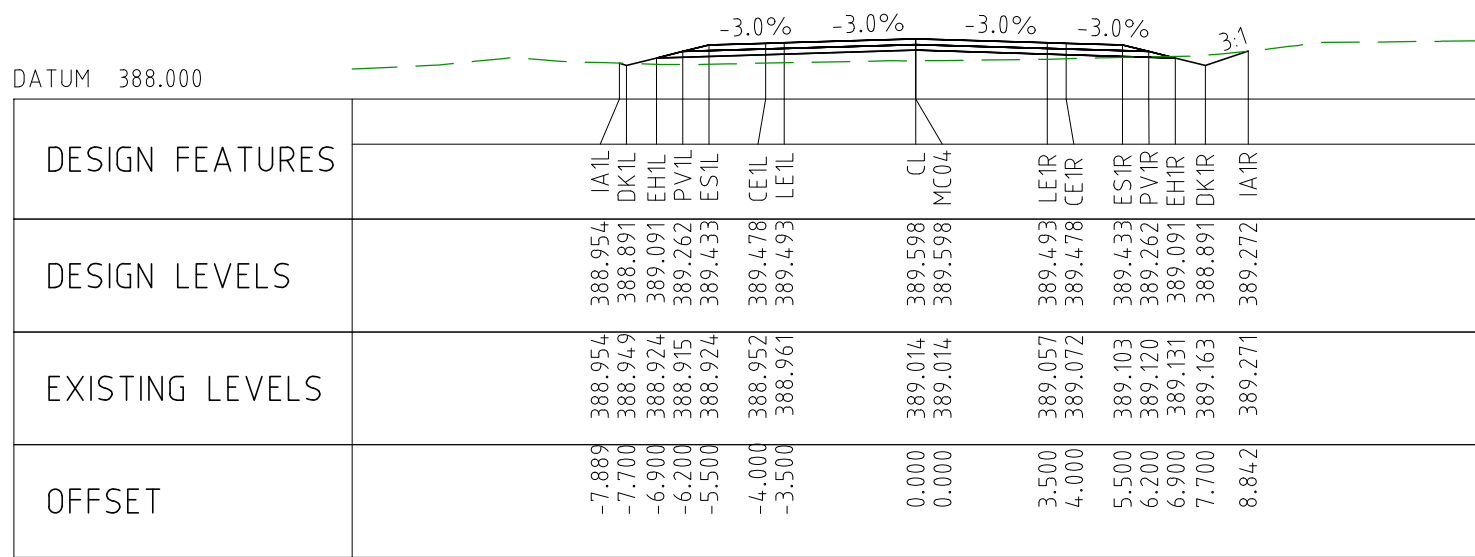
CHAINAGE 78750



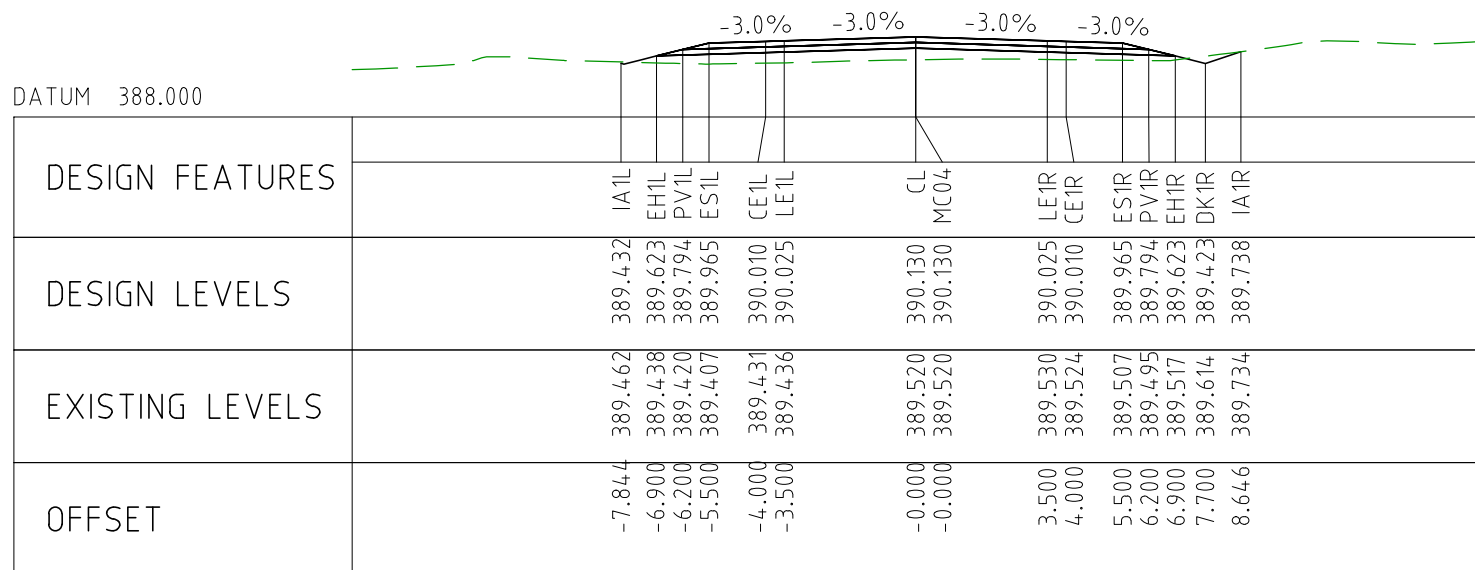
CHAINAGE 78700



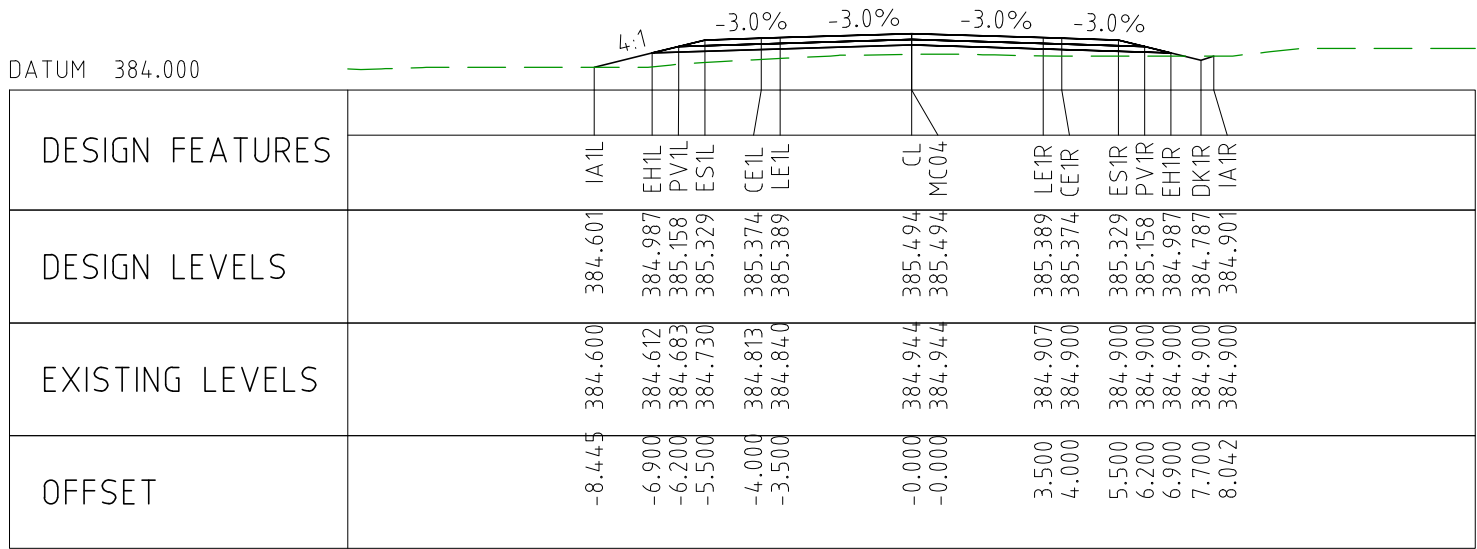
CHAINAGE 78650



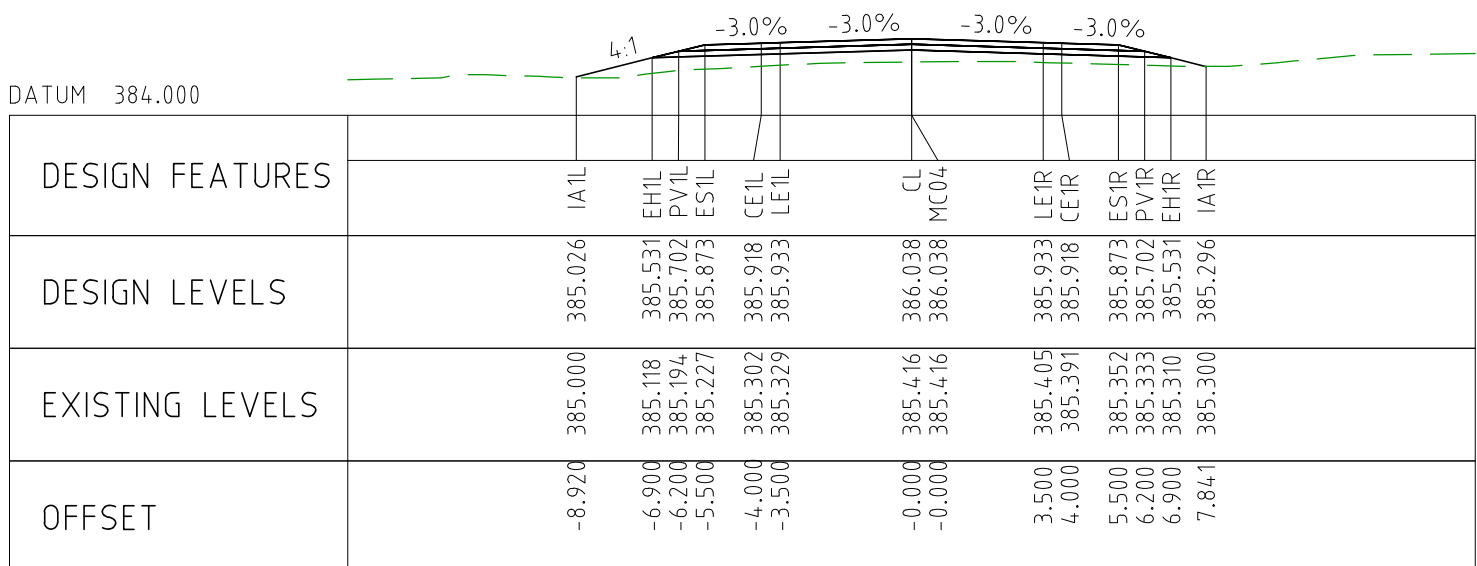
CHAINAGE 78600



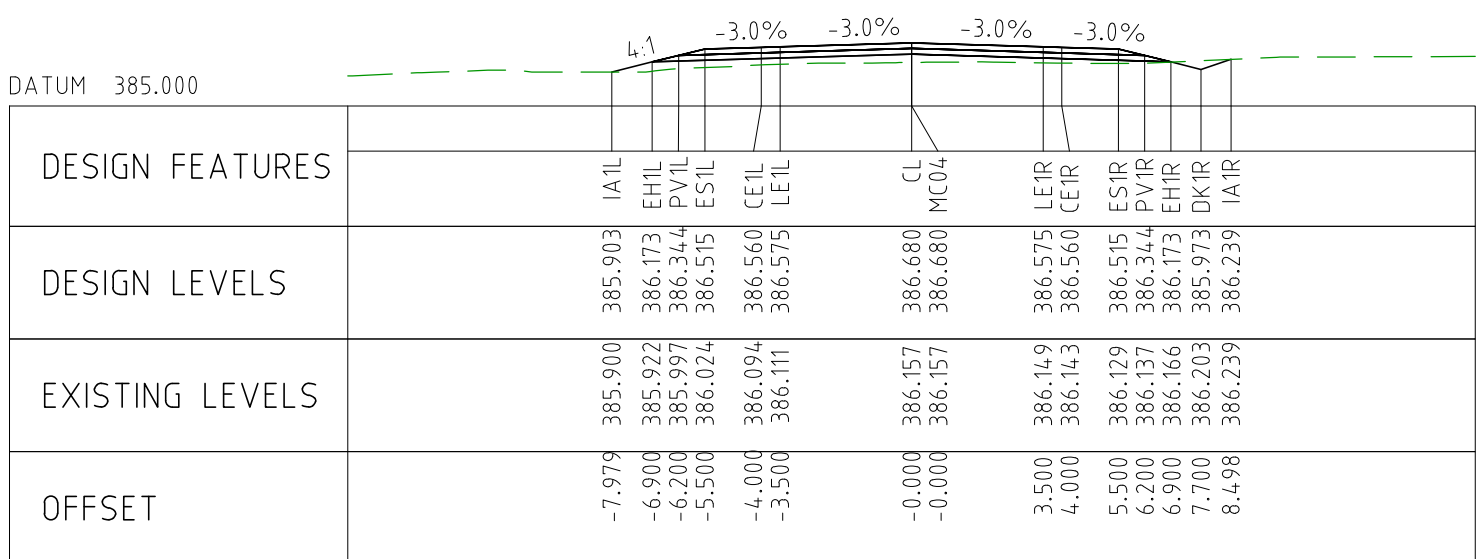
CHAINAGE 78550



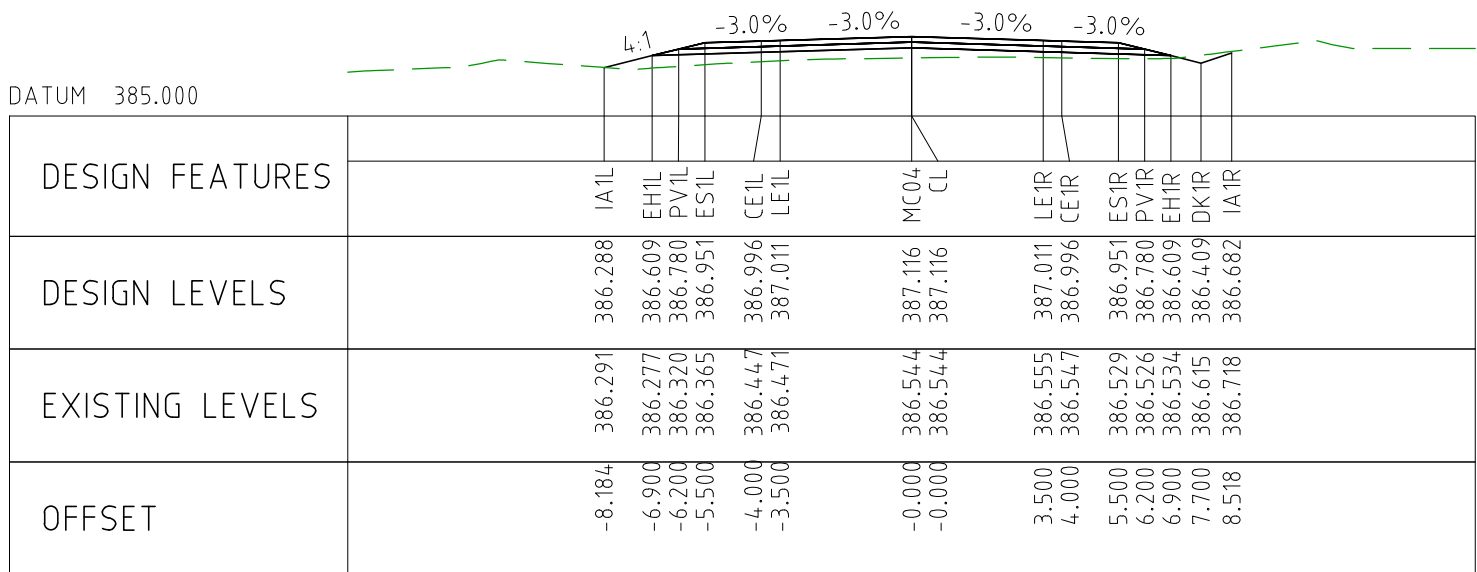
CHAINAGE 79000



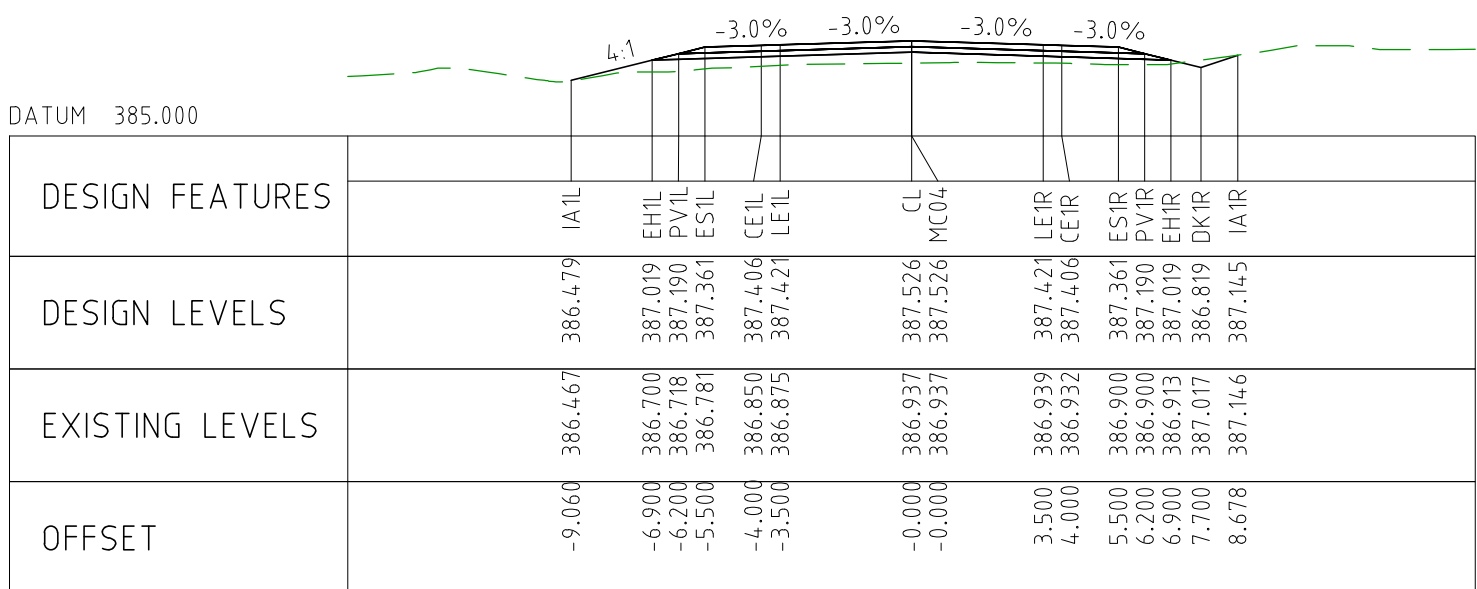
CHAINAGE 78950



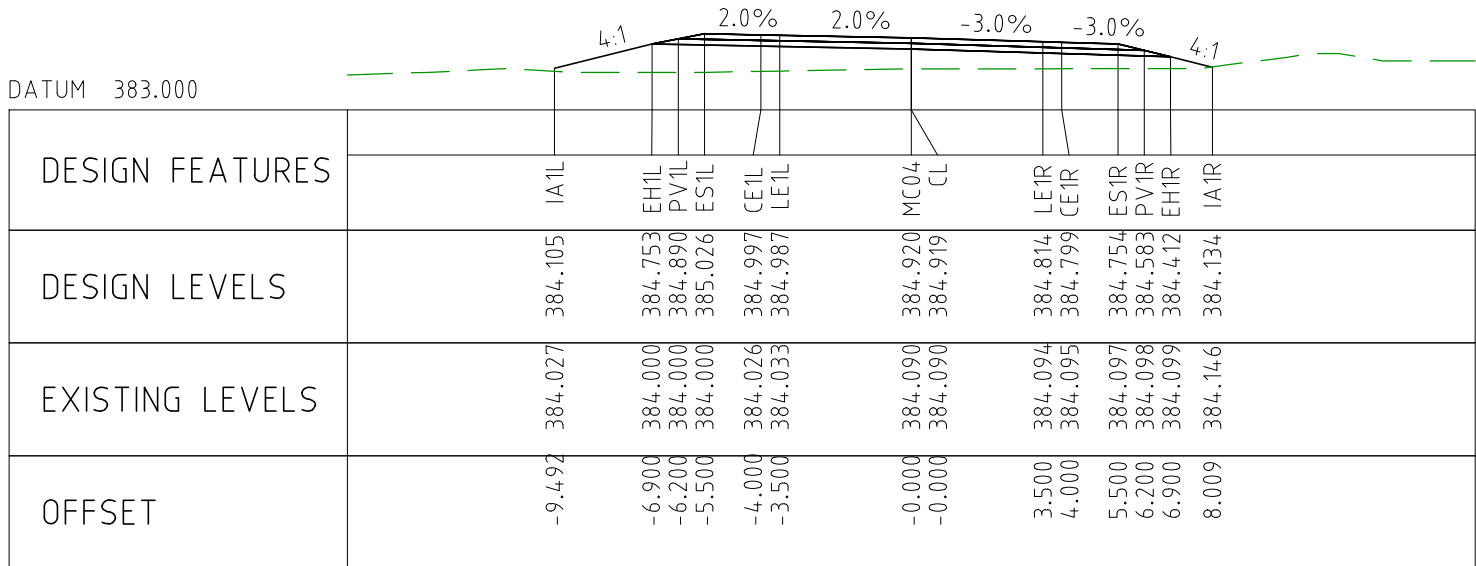
CHAINAGE 78900



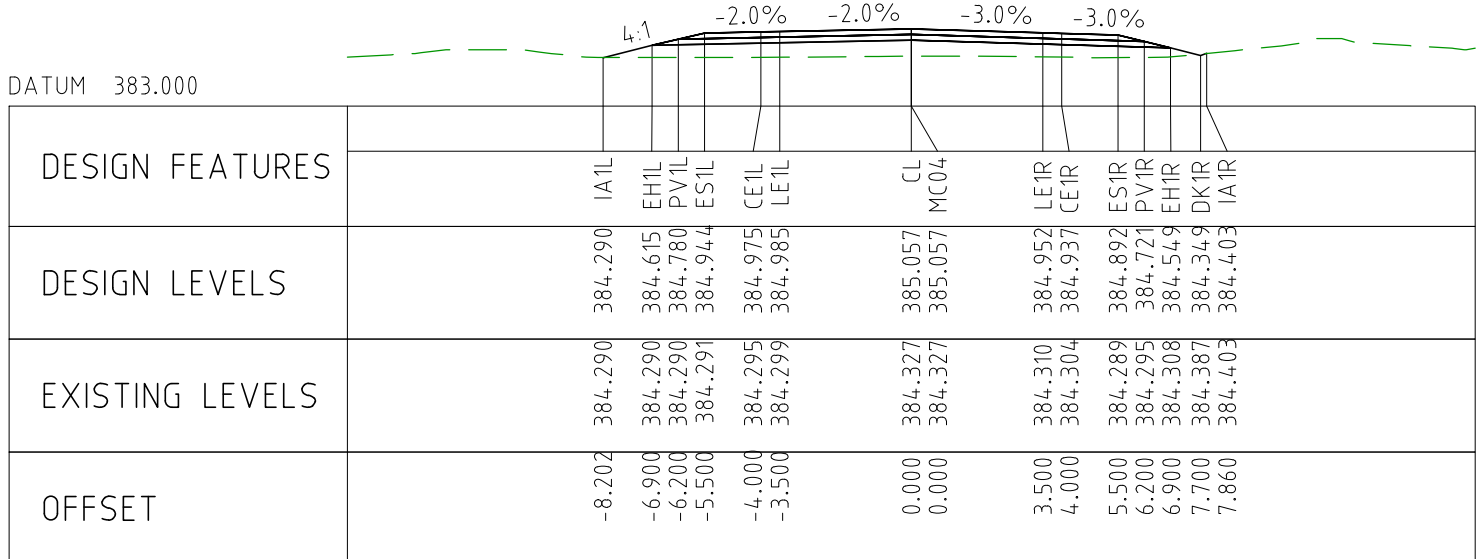
CHAINAGE 78850



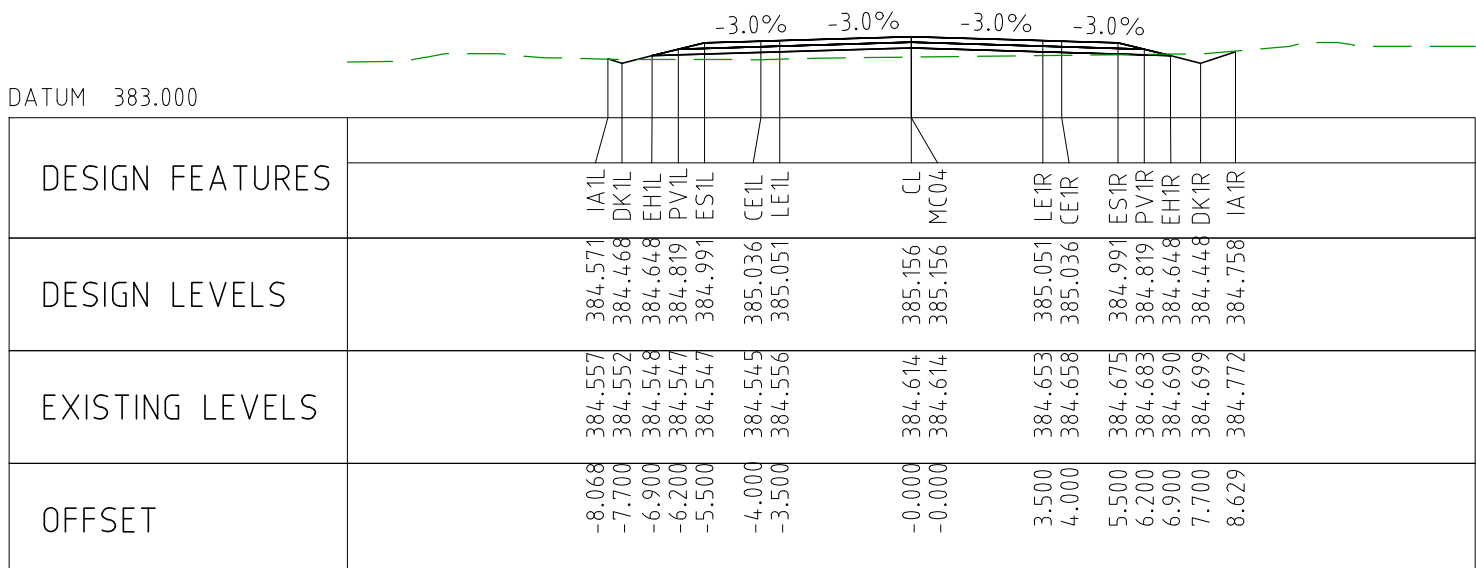
CHAINAGE 78800



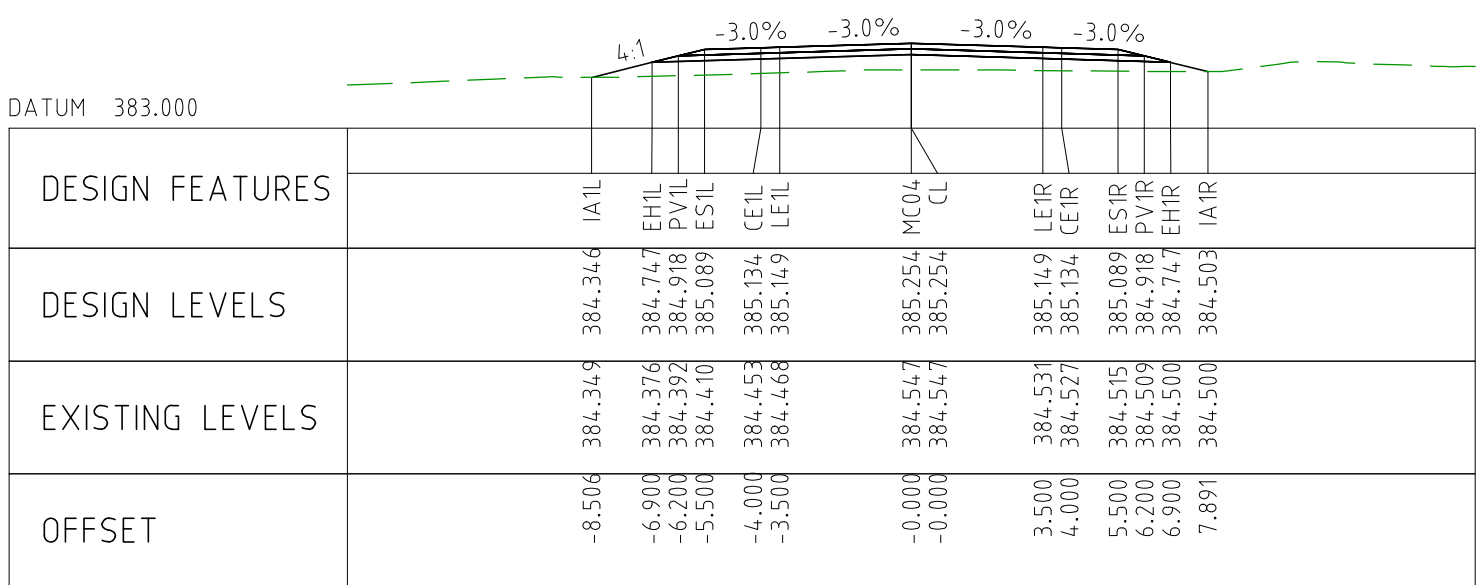
CHAINAGE 79250



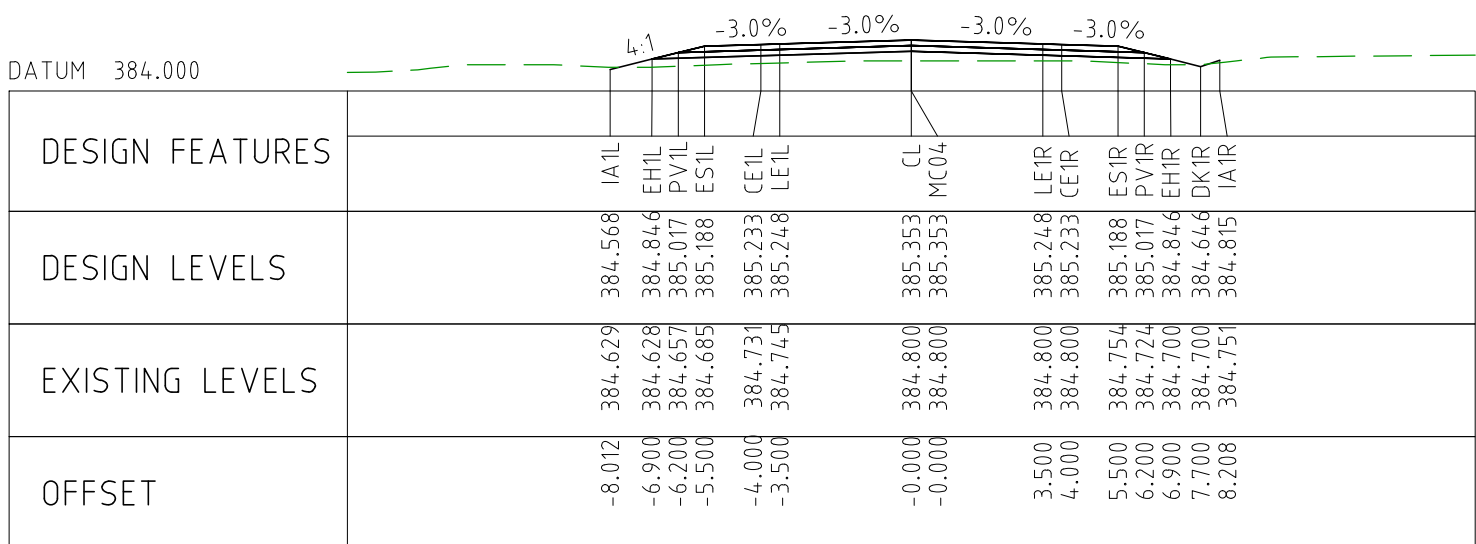
CHAINAGE 79200

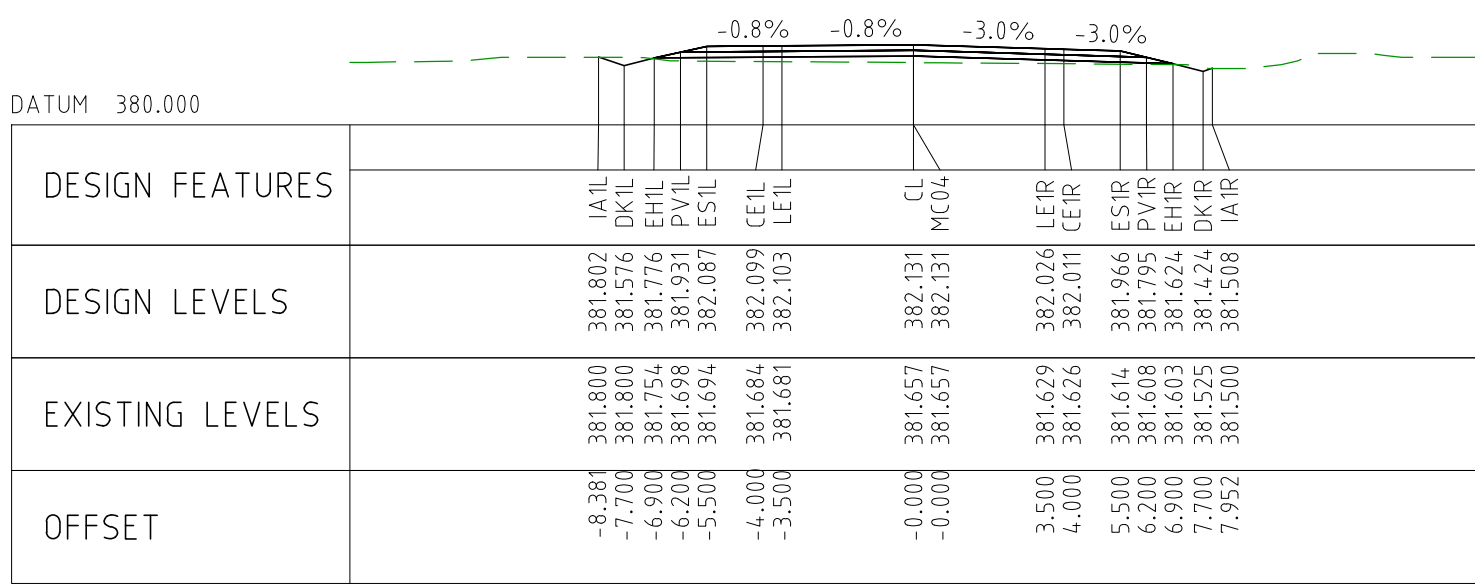


CHAINAGE 79150

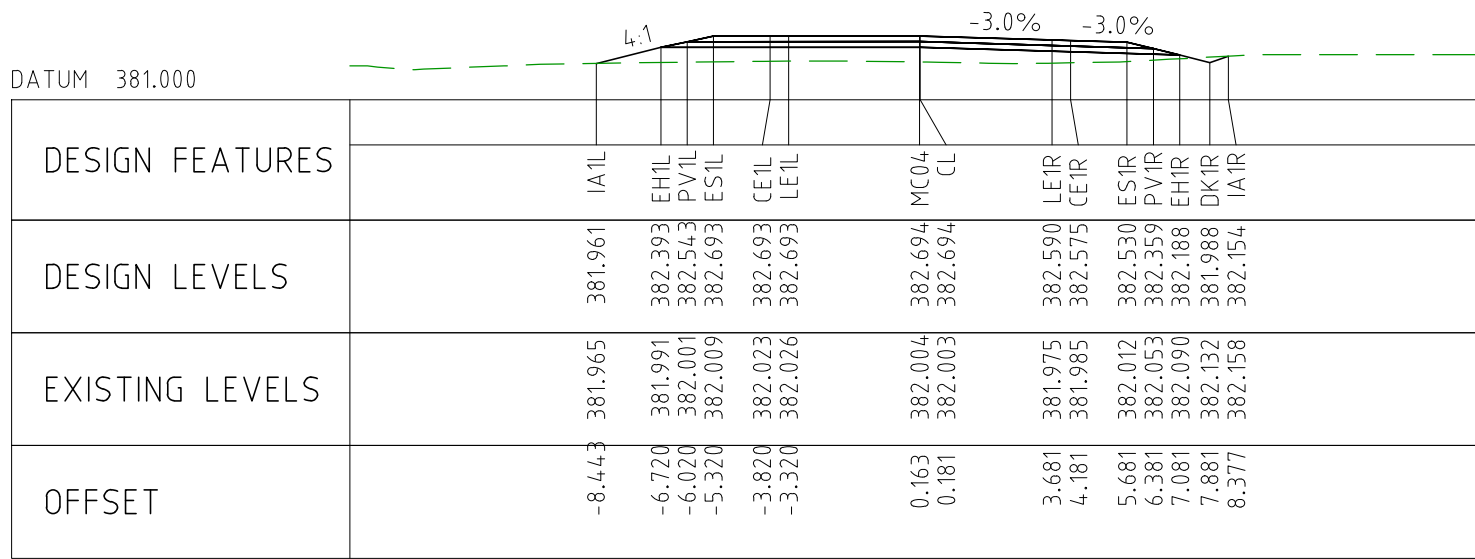


CHAINAGE 79100

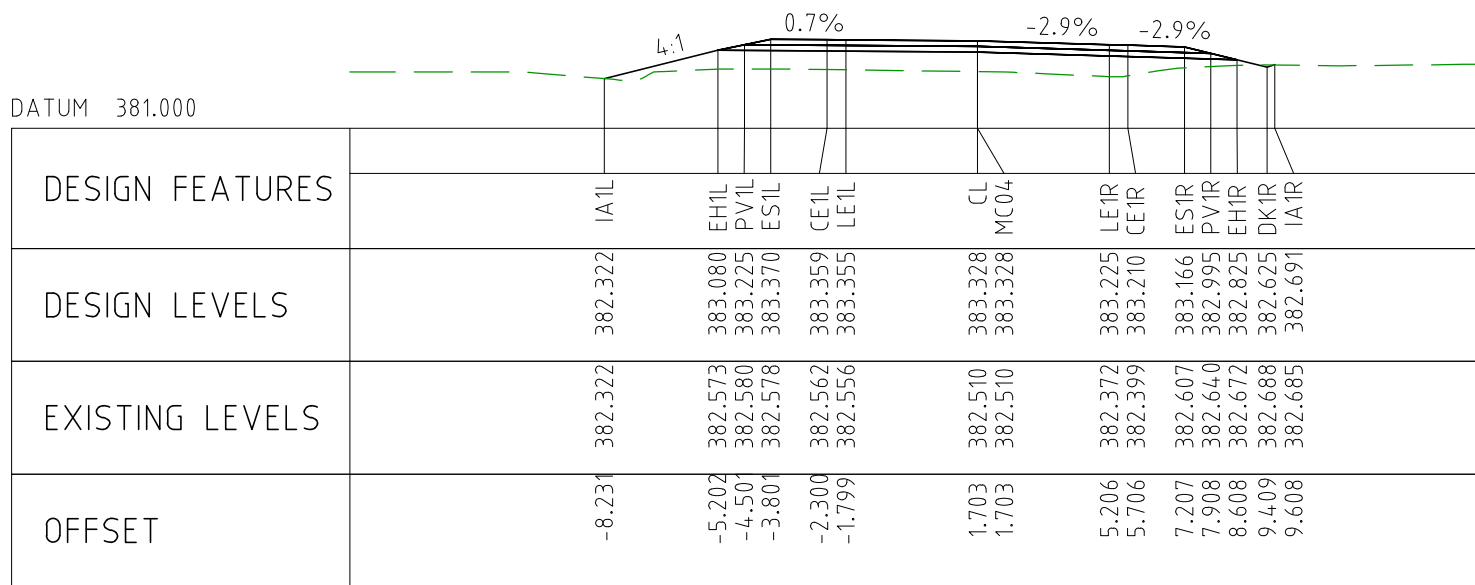




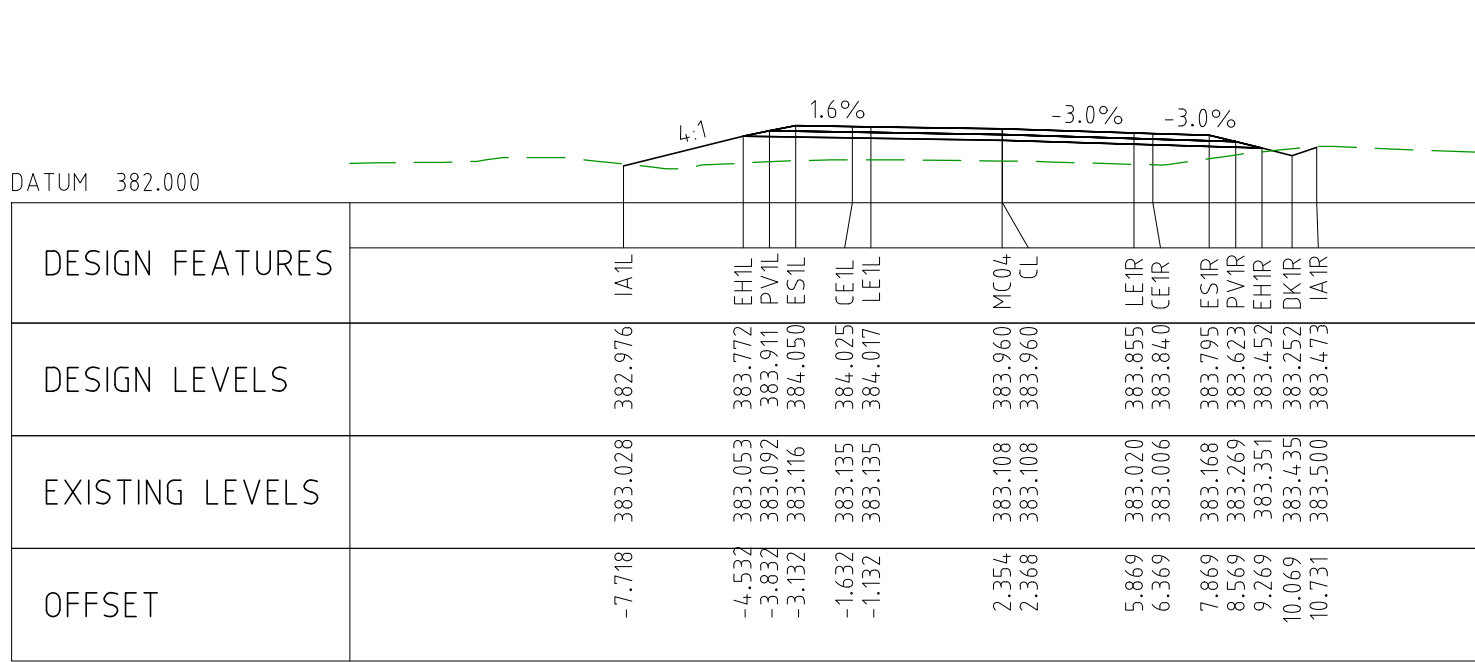
CHAINAGE 79500



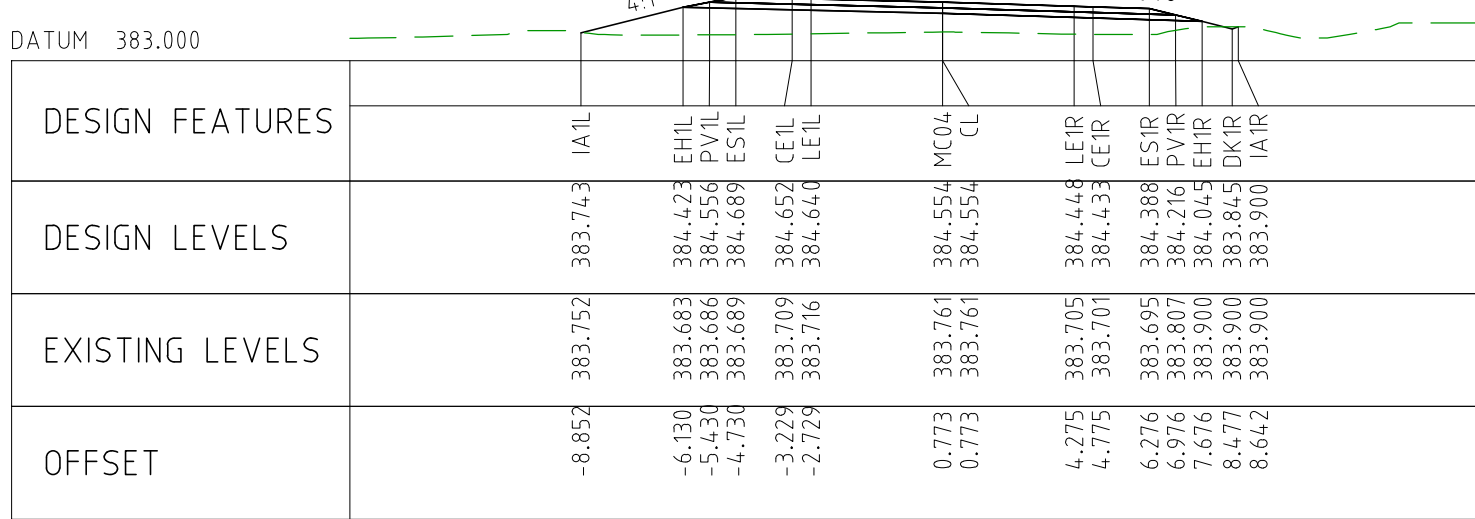
CHAINAGE 79450



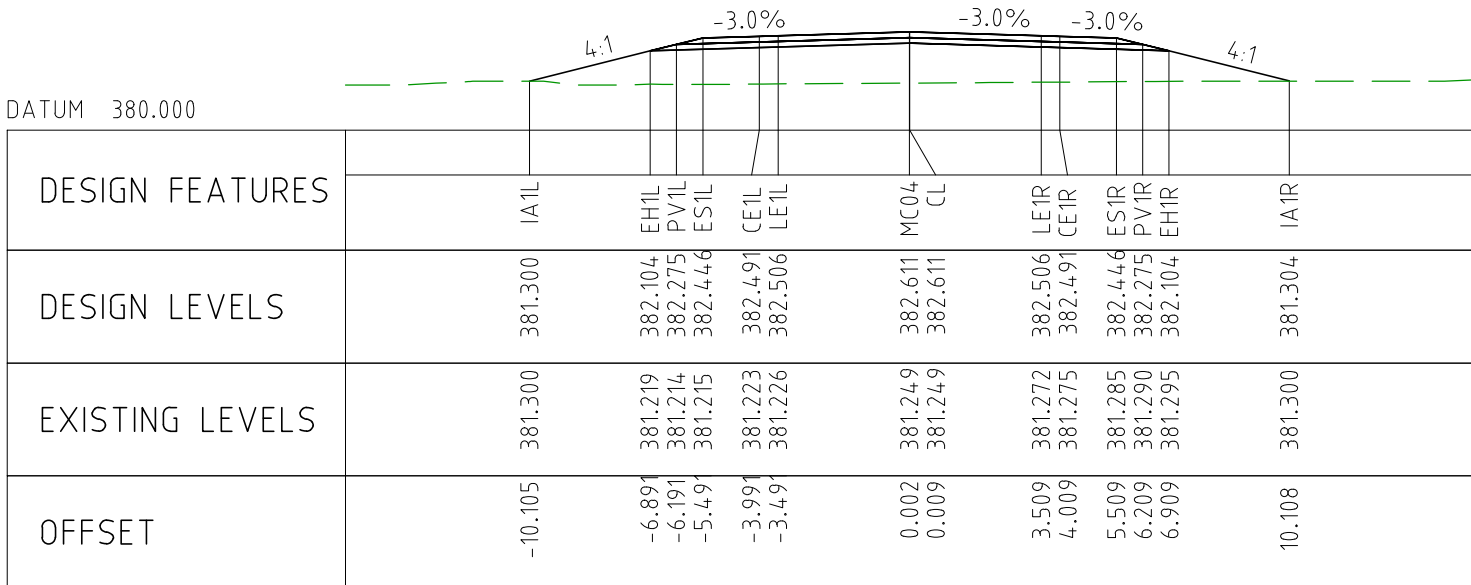
CHAINAGE 79400



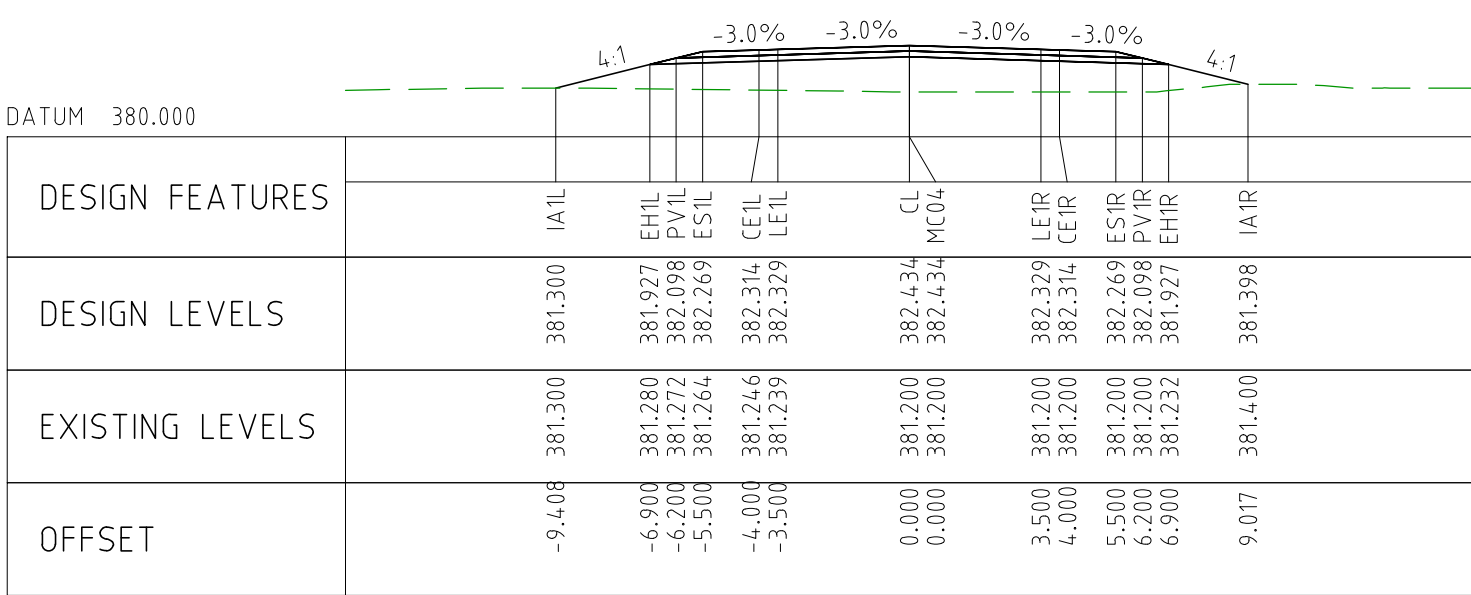
CHAINAGE 79350



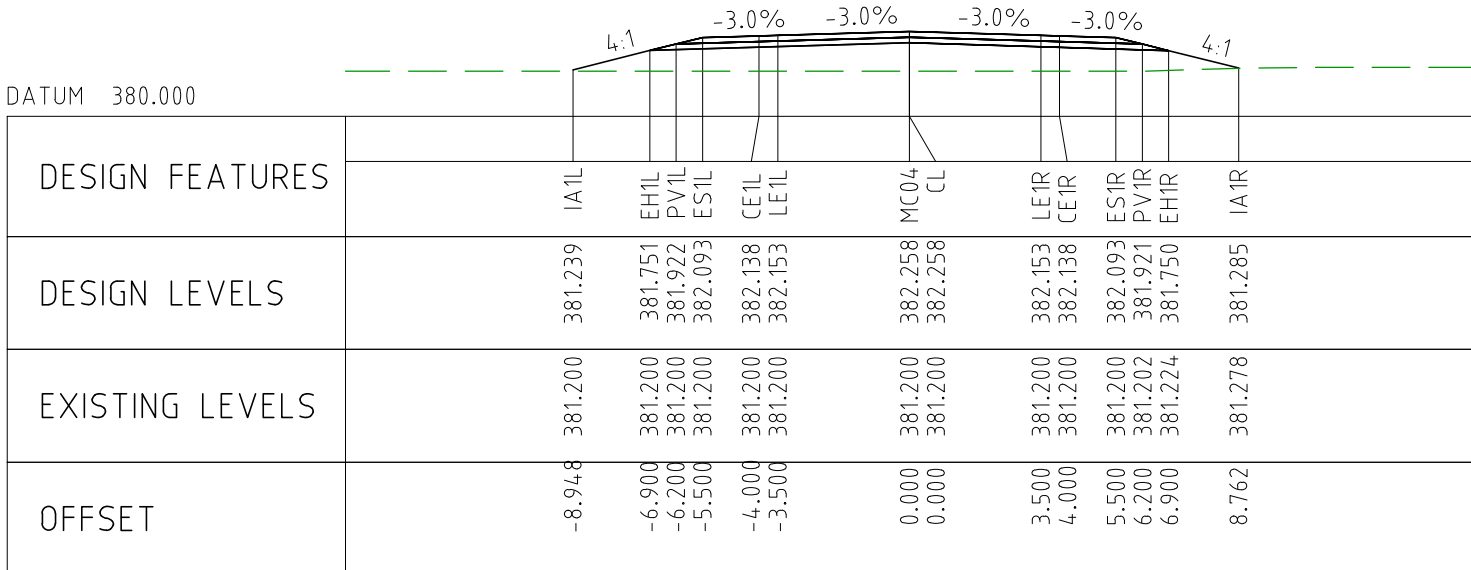
CHAINAGE 79300



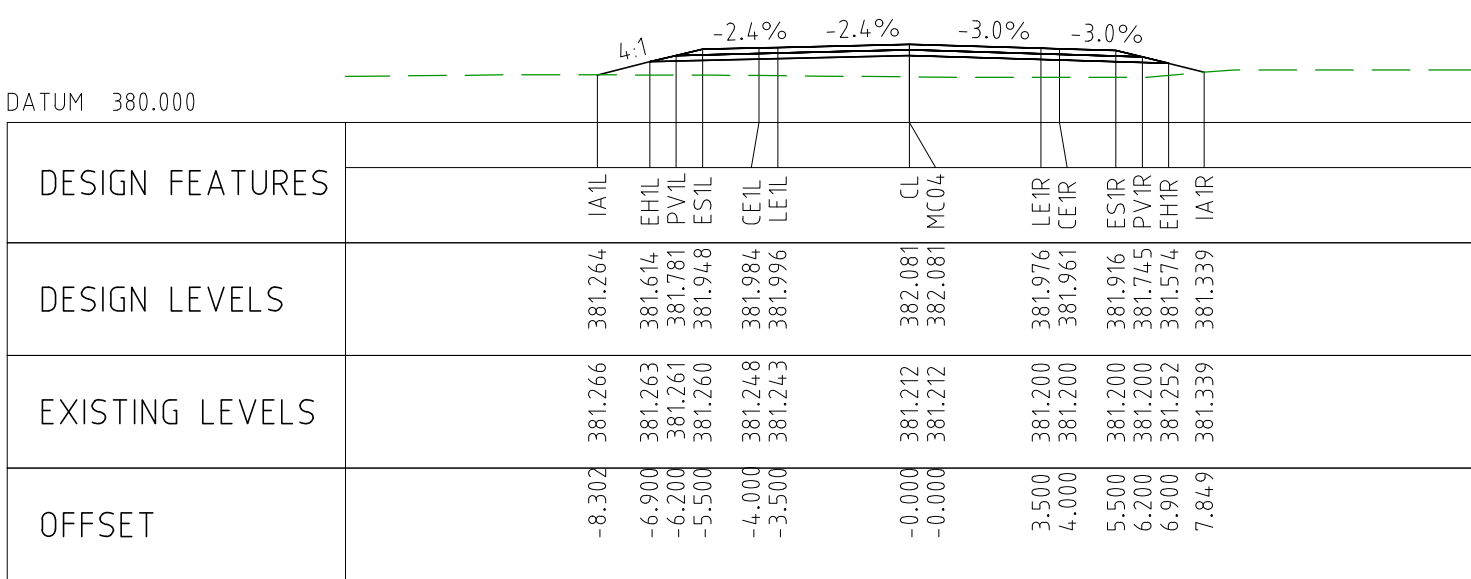
CHAINAGE 79750



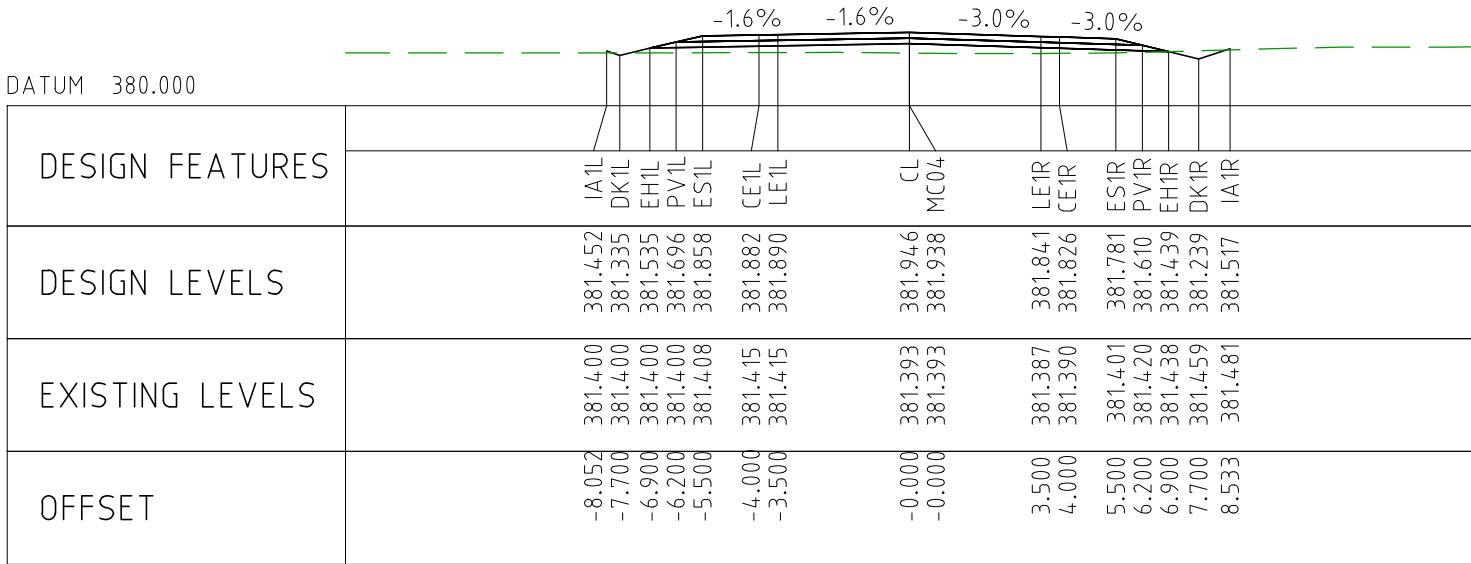
CHAINAGE 79700



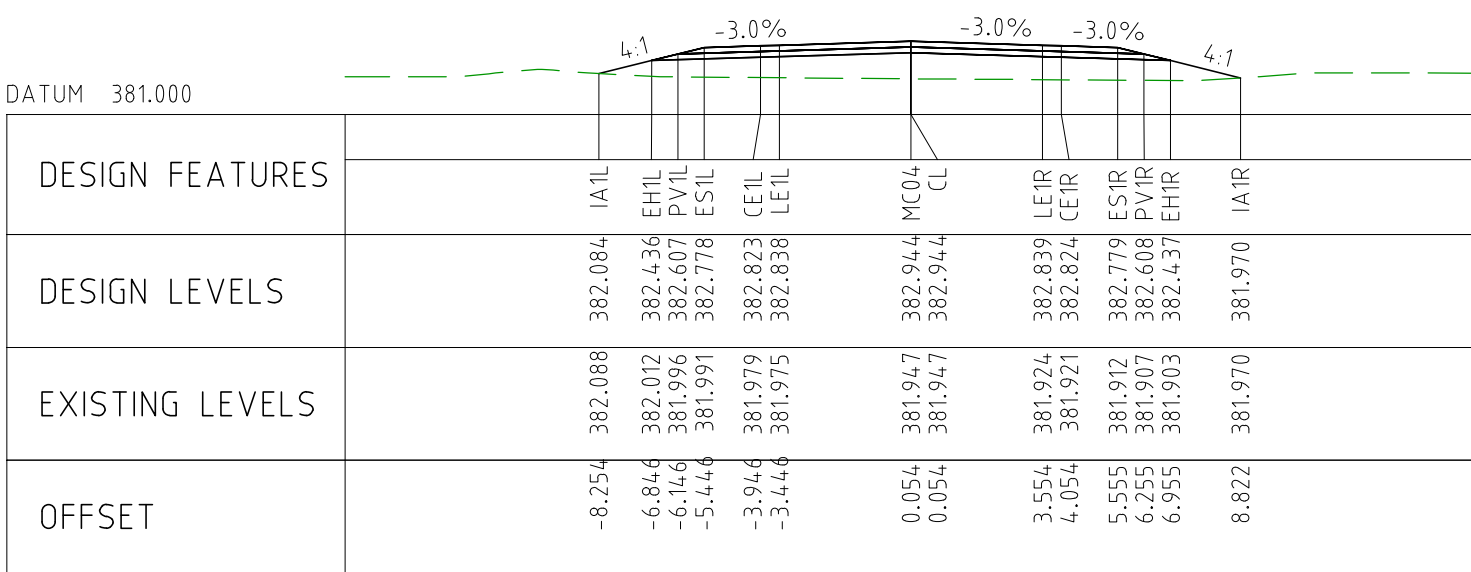
CHAINAGE 79650



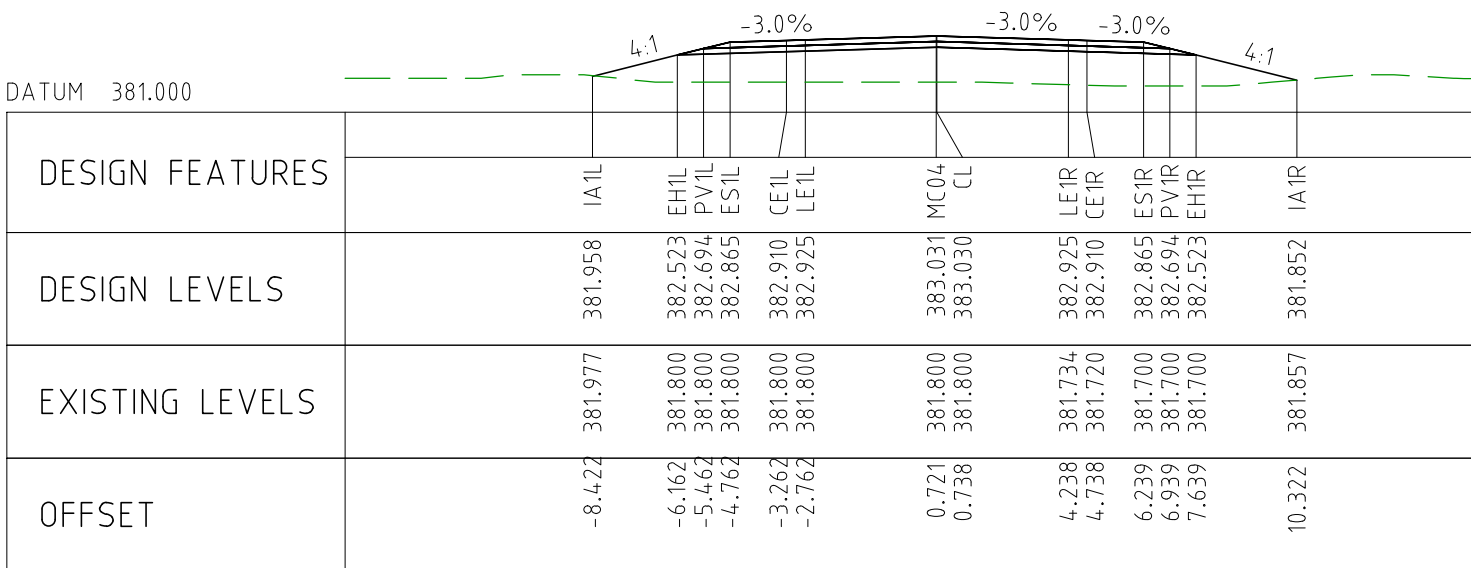
CHAINAGE 79600



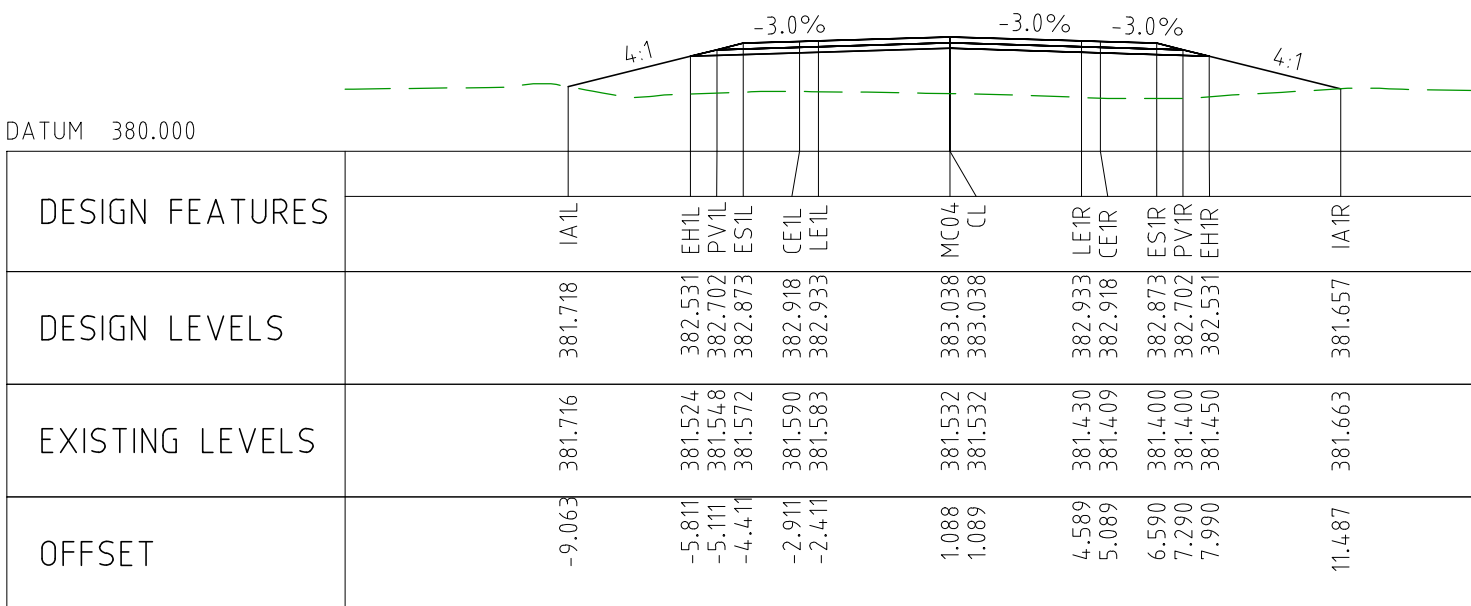
CHAINAGE 79550



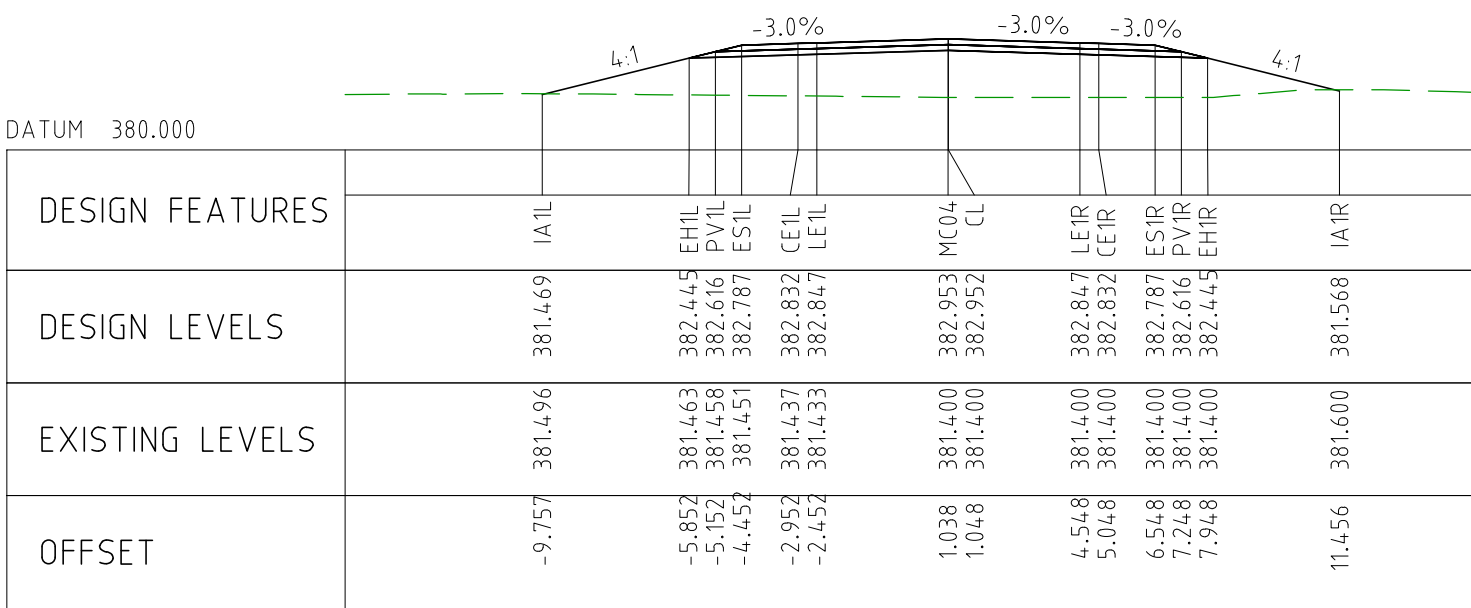
CHAINAGE 80000



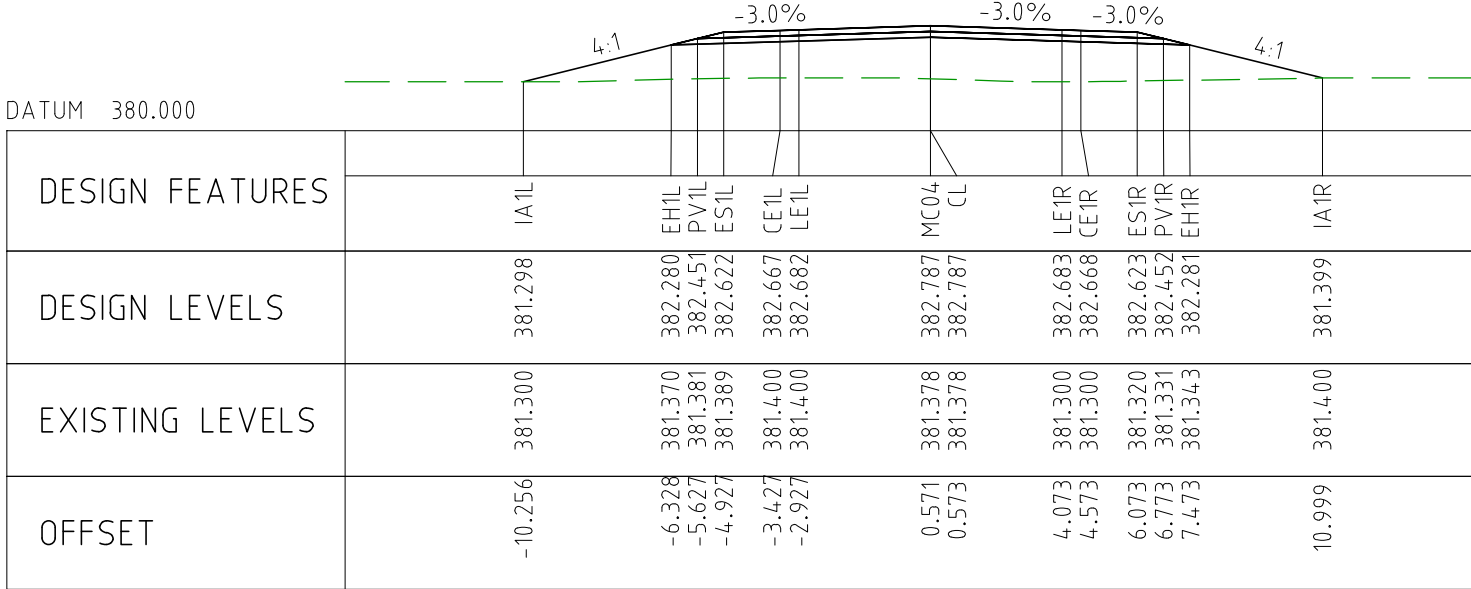
CHAINAGE 79950



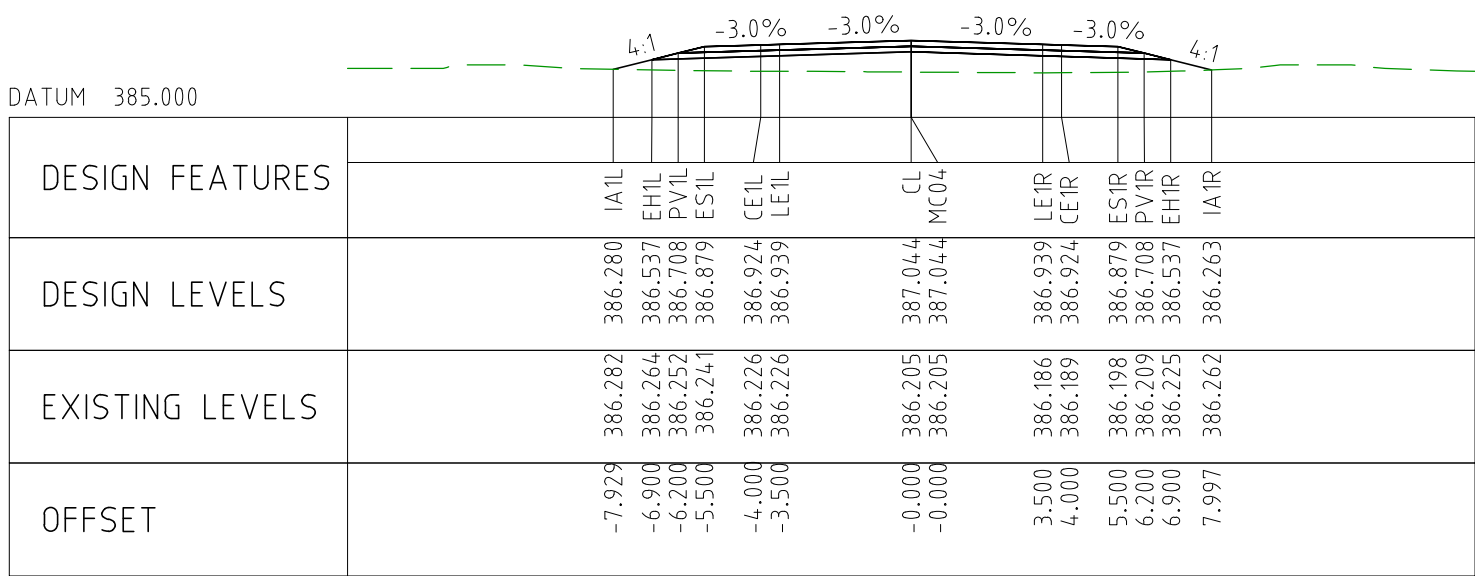
CHAINAGE 79900



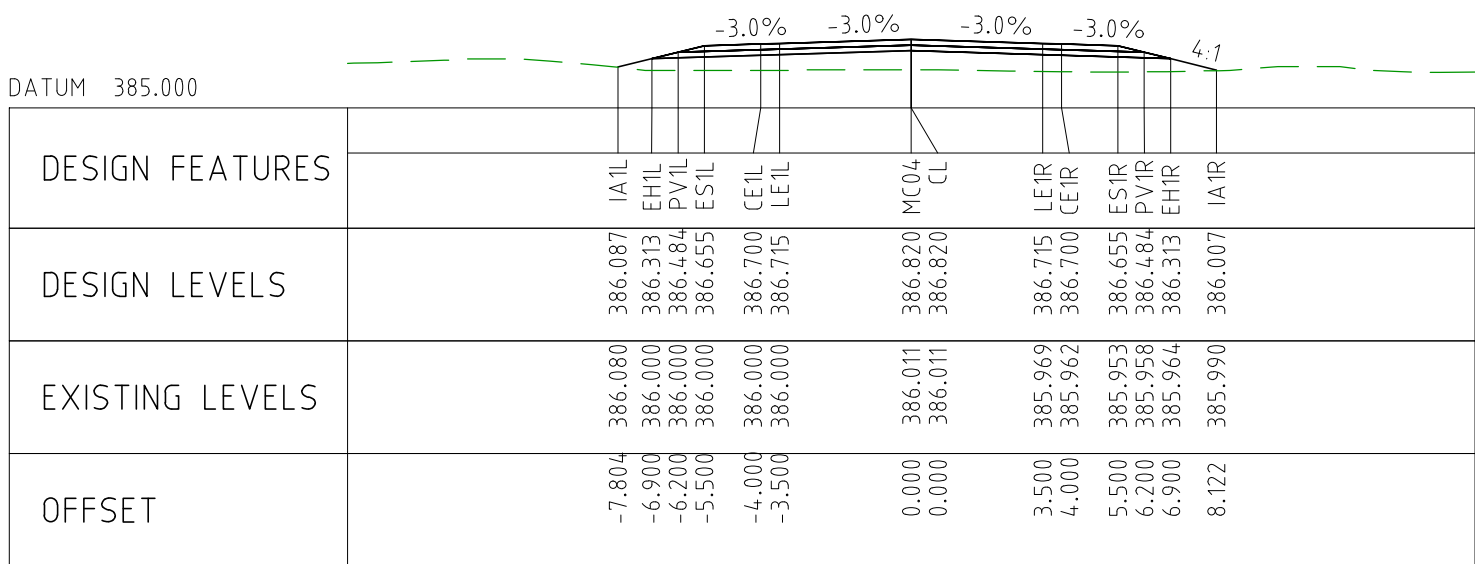
CHAINAGE 79850



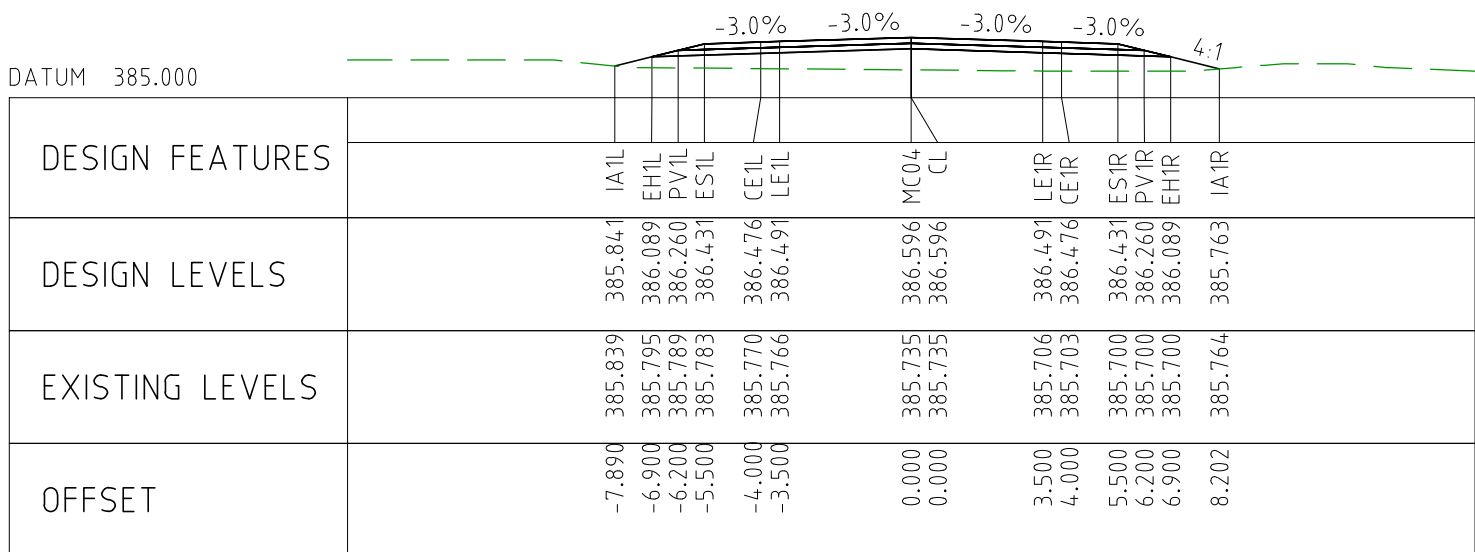
CHAINAGE 79800



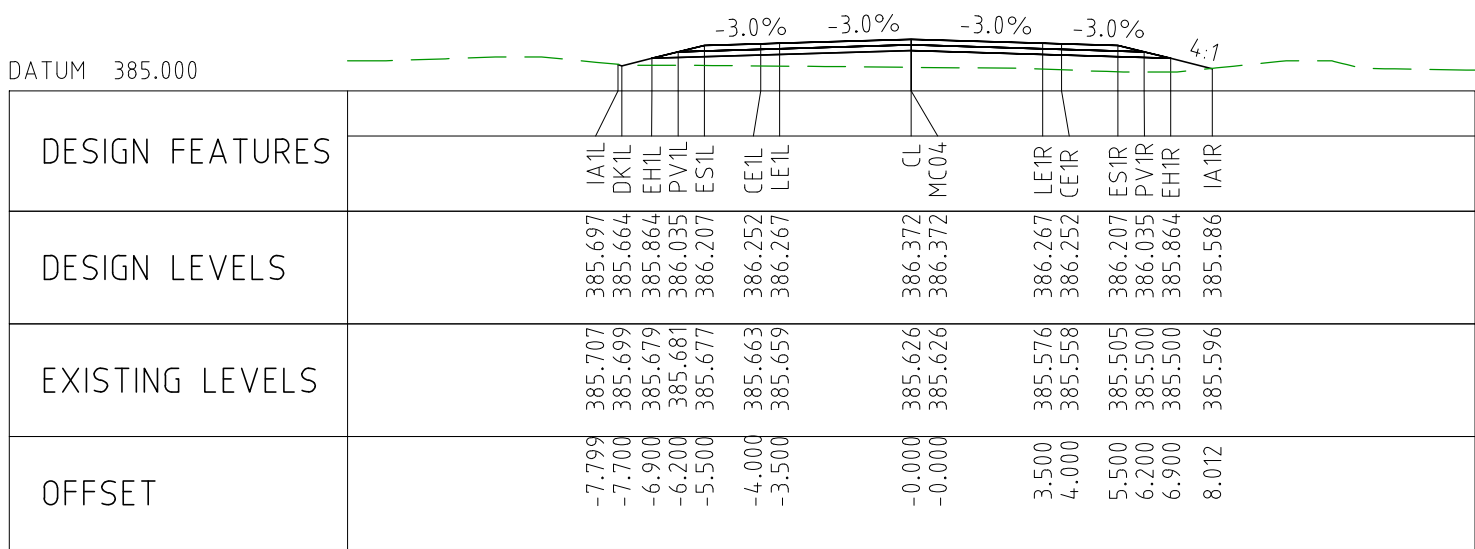
CHAINAGE 81000



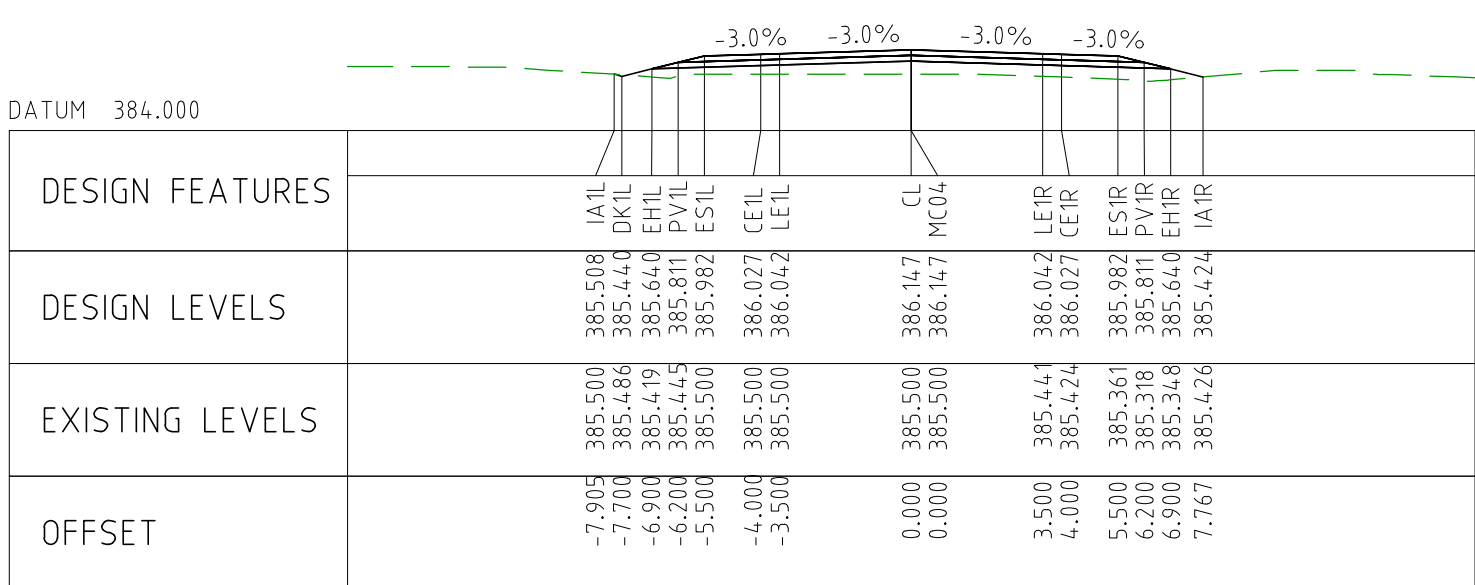
CHAINAGE 80950



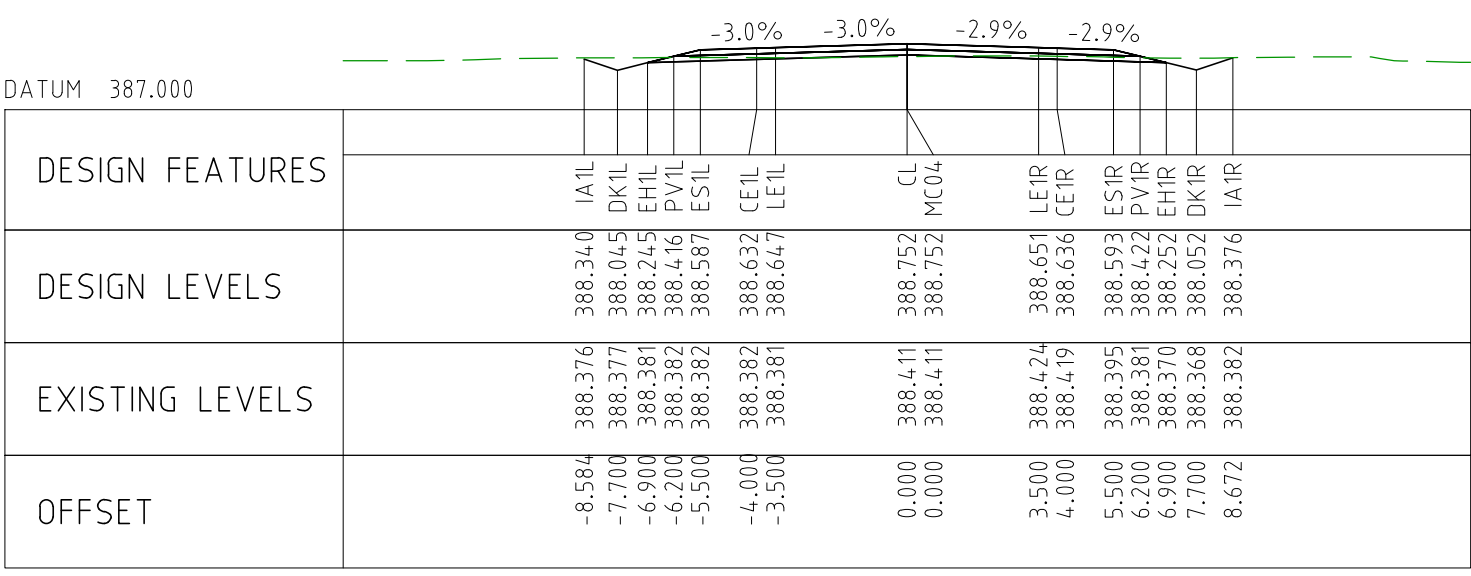
CHAINAGE 80900



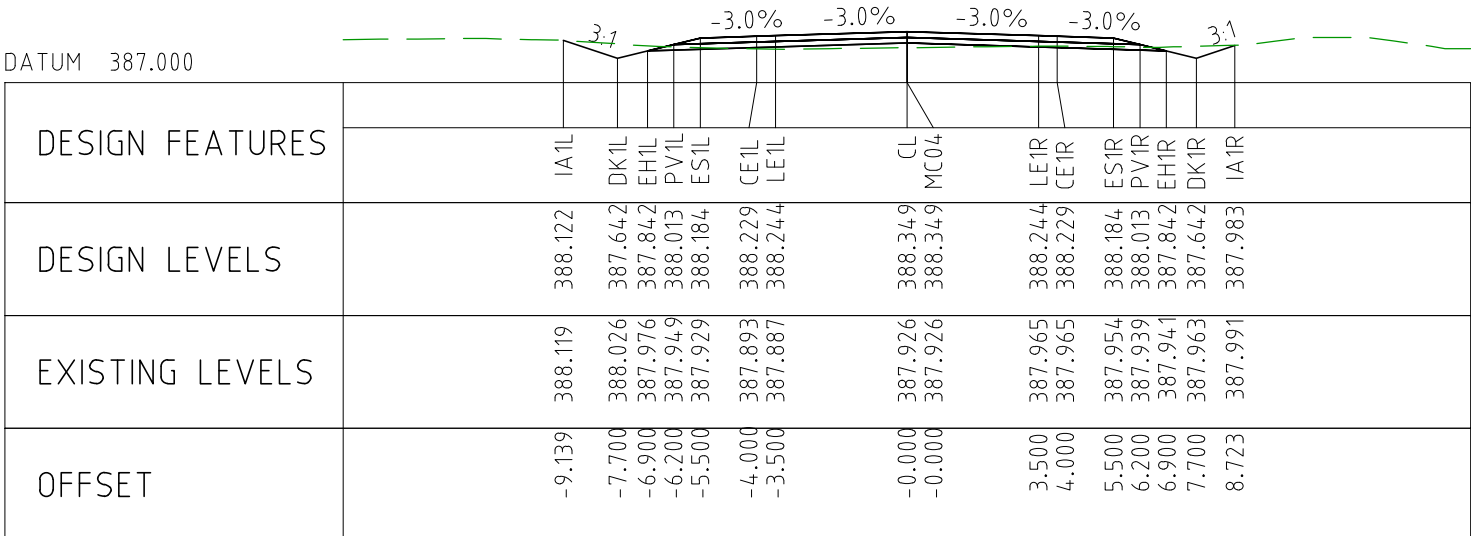
CHAINAGE 80850



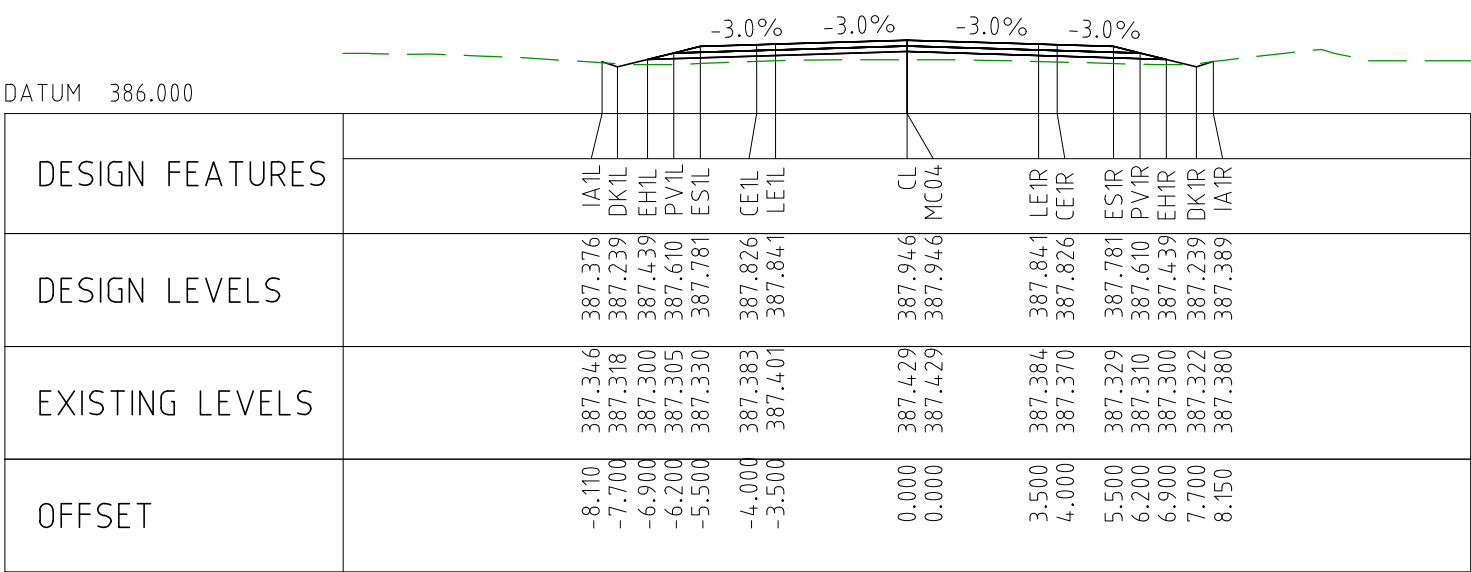
CHAINAGE 80800



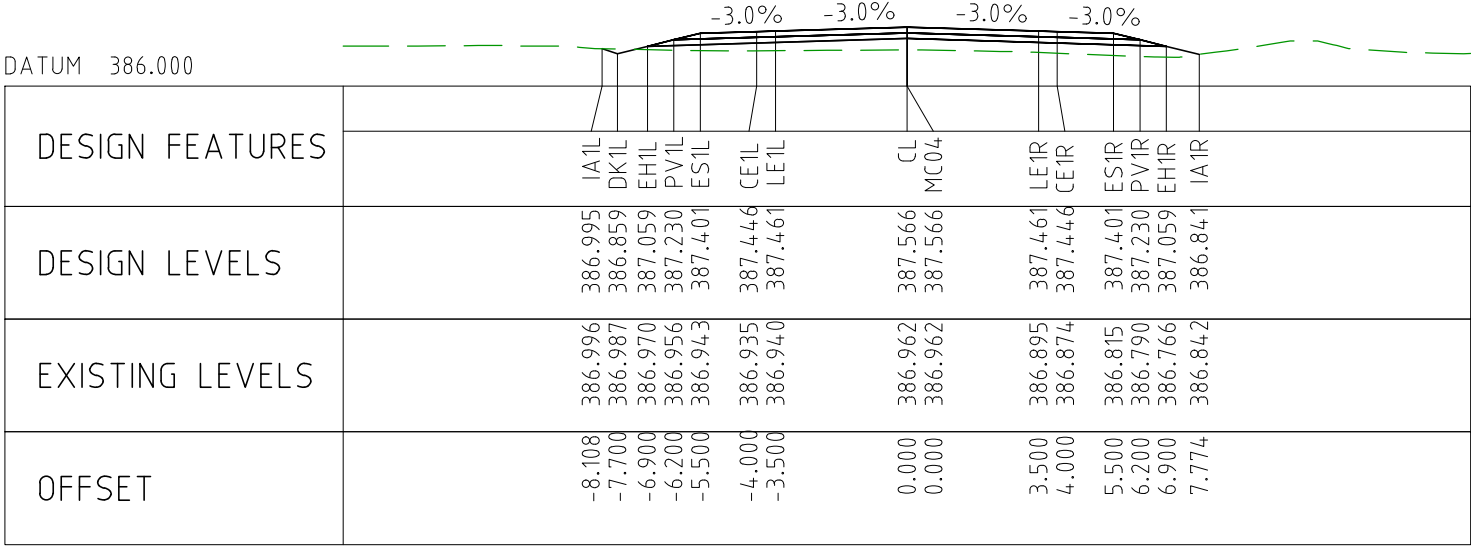
CHAINAGE 81250



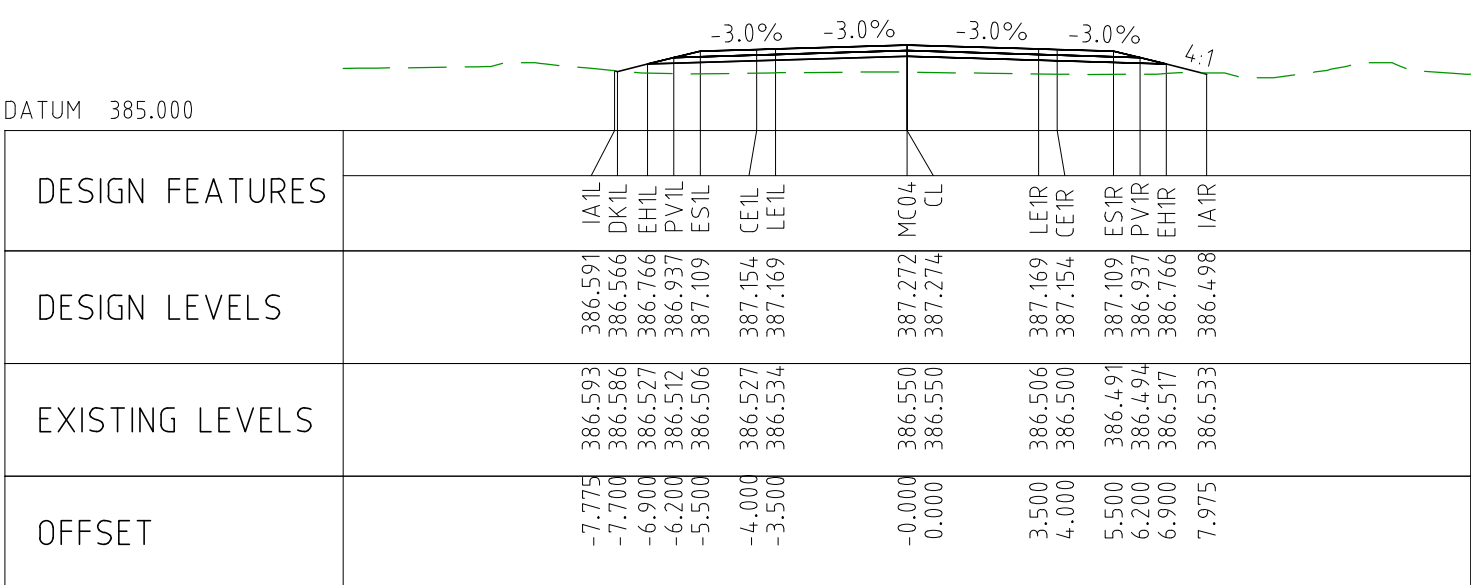
CHAINAGE 81200



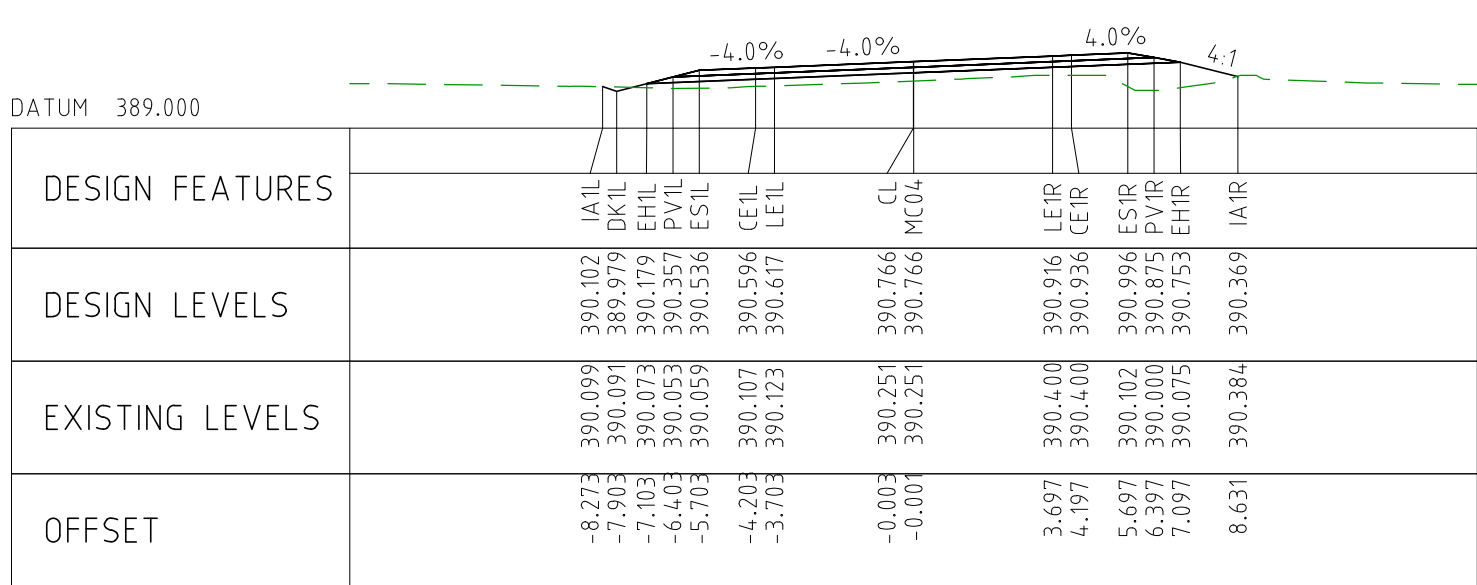
CHAINAGE 81150



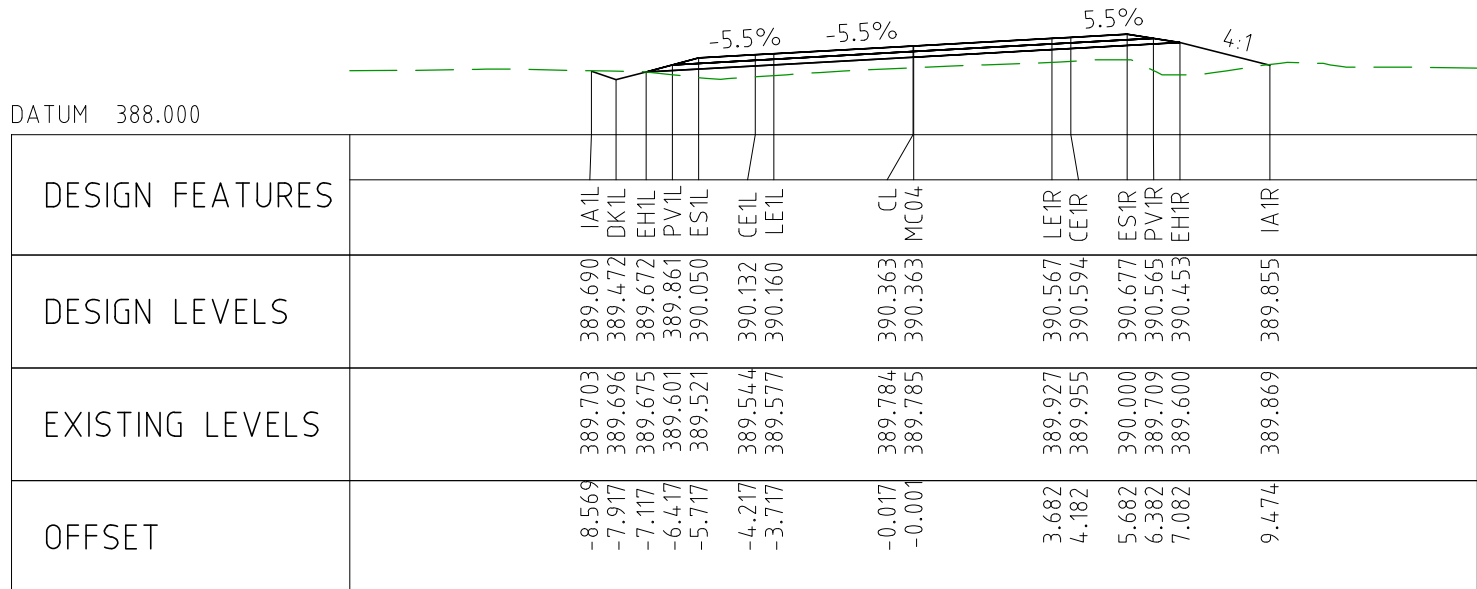
CHAINAGE 81100



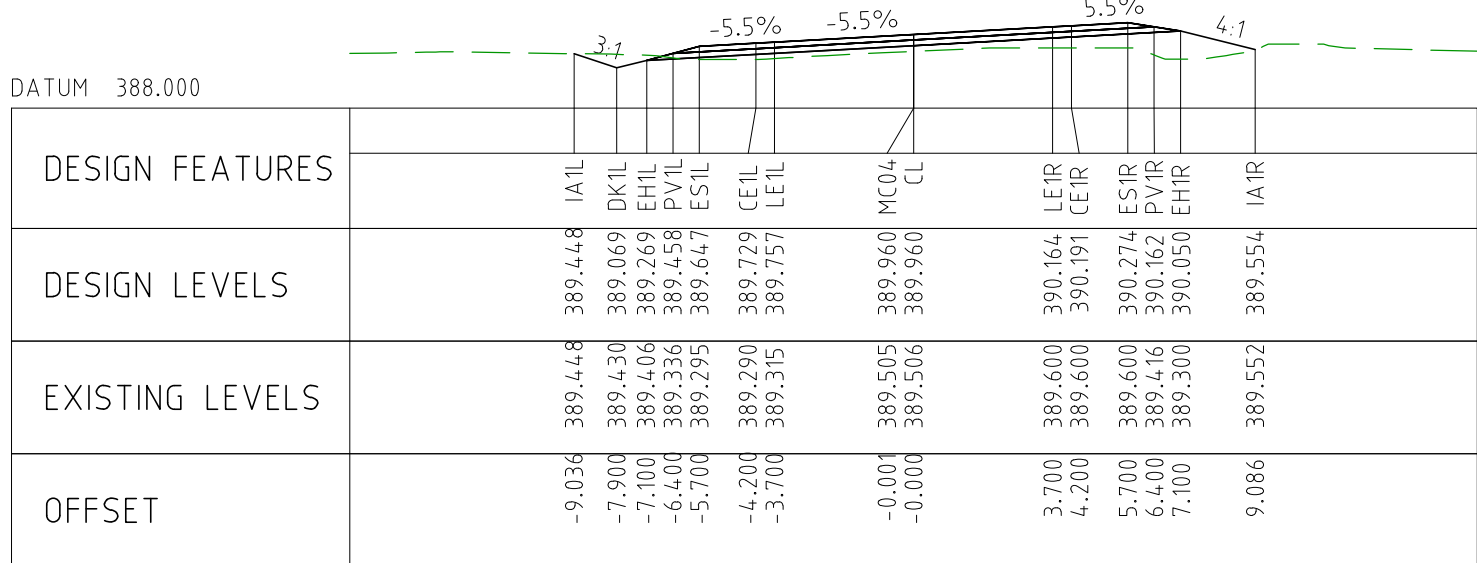
CHAINAGE 81050



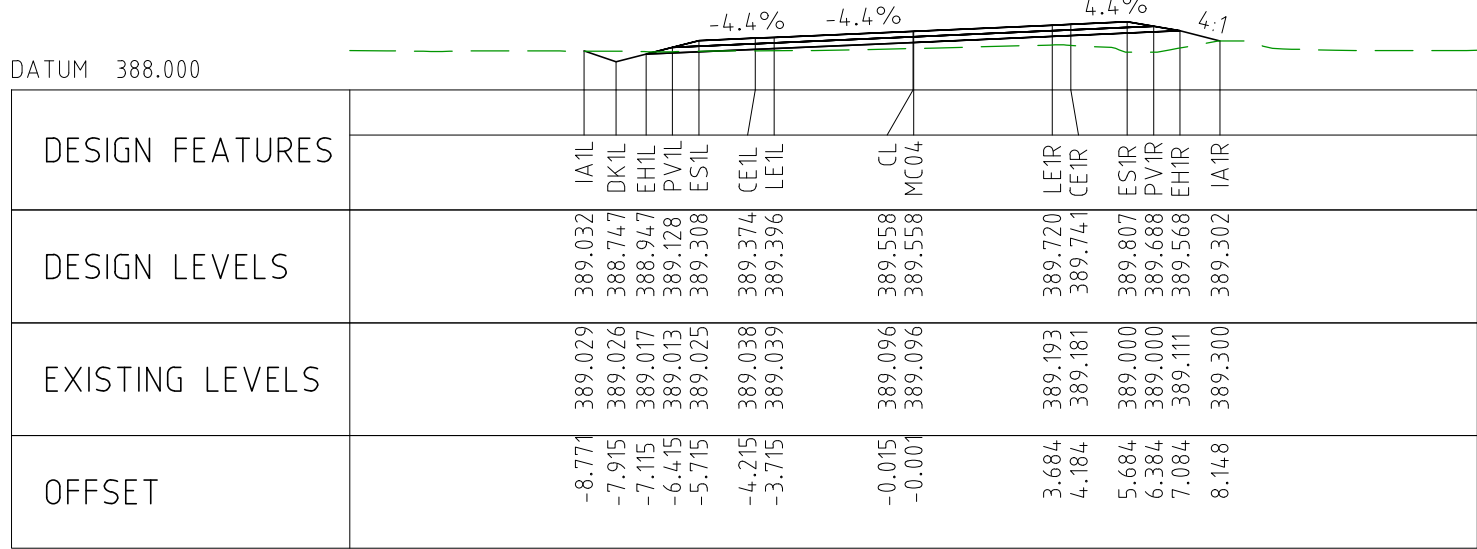
CHAINAGE 81500



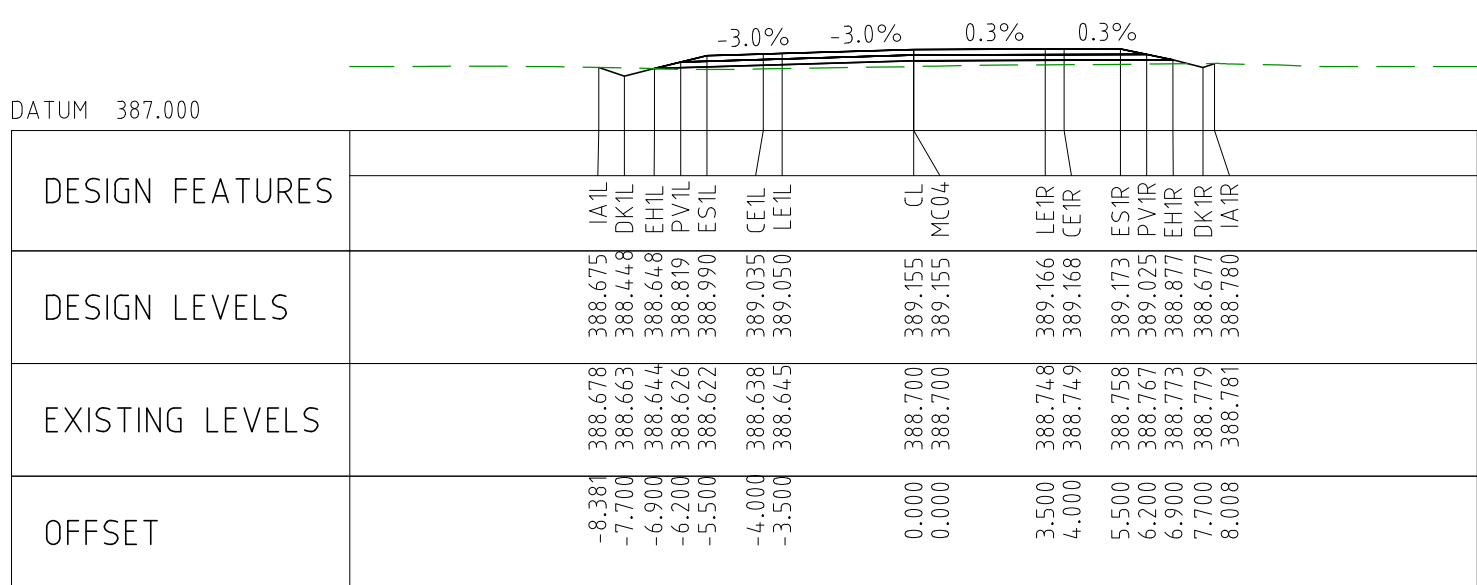
CHAINAGE 81450

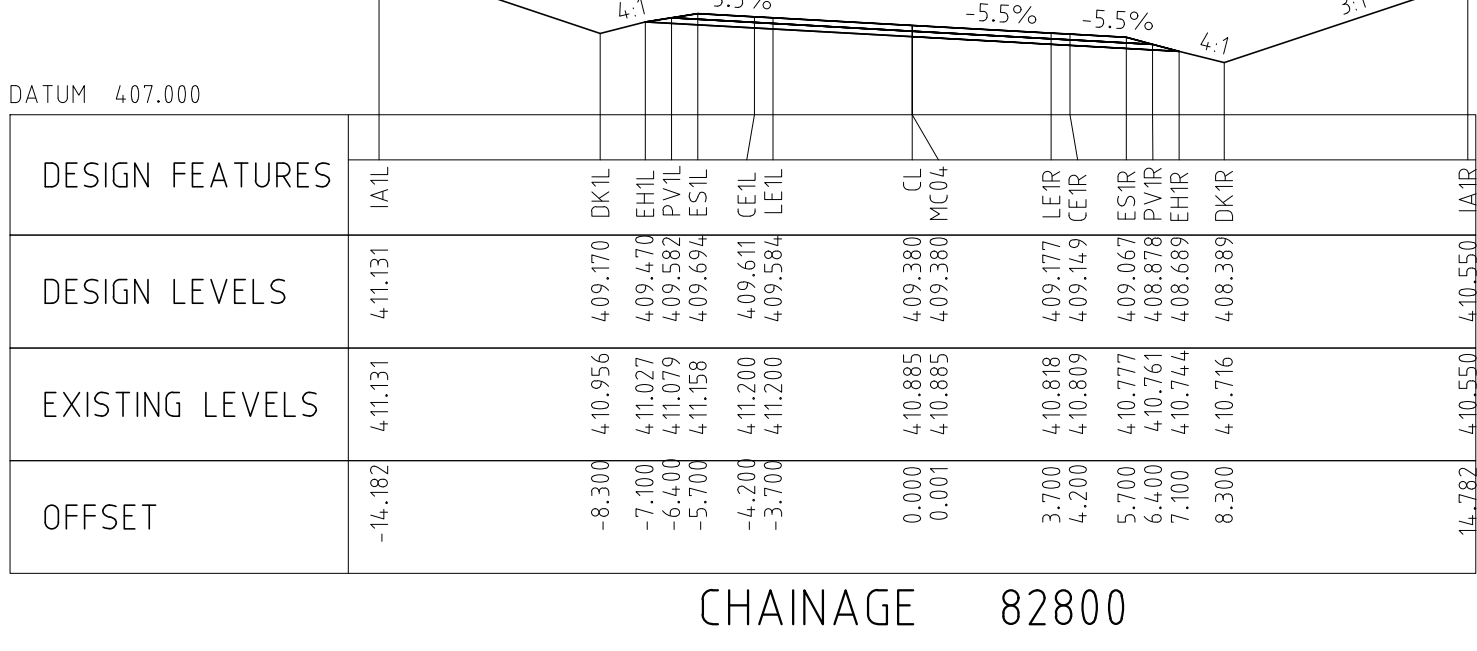
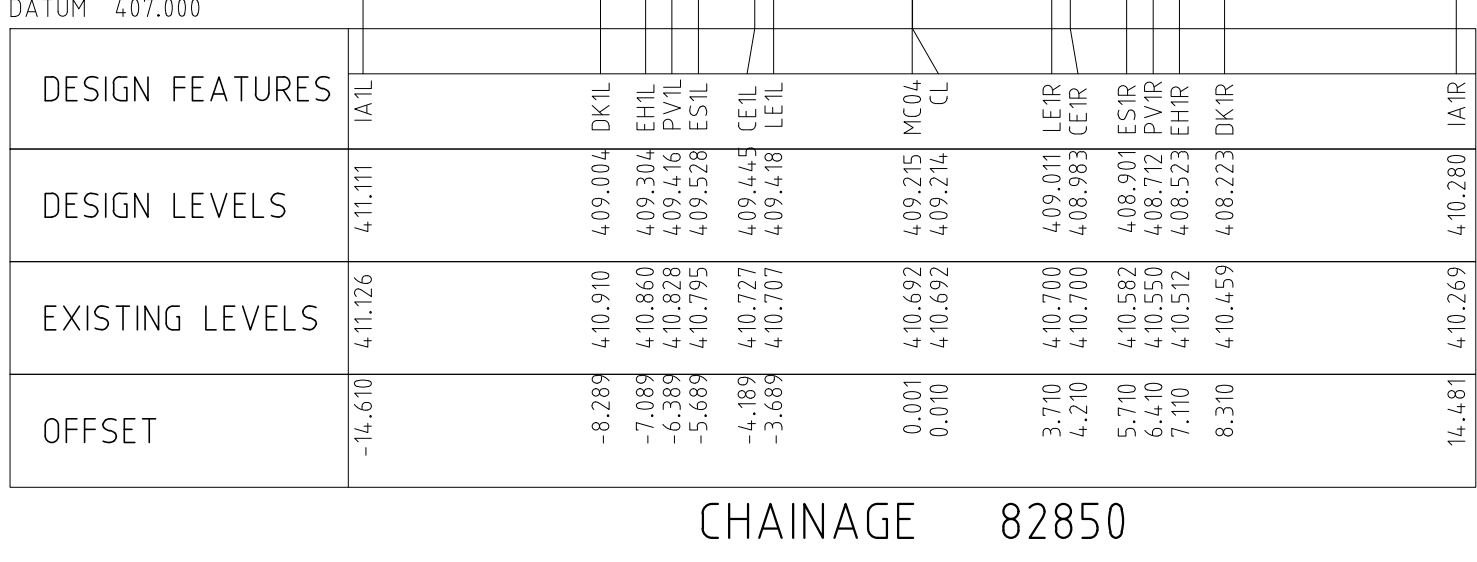
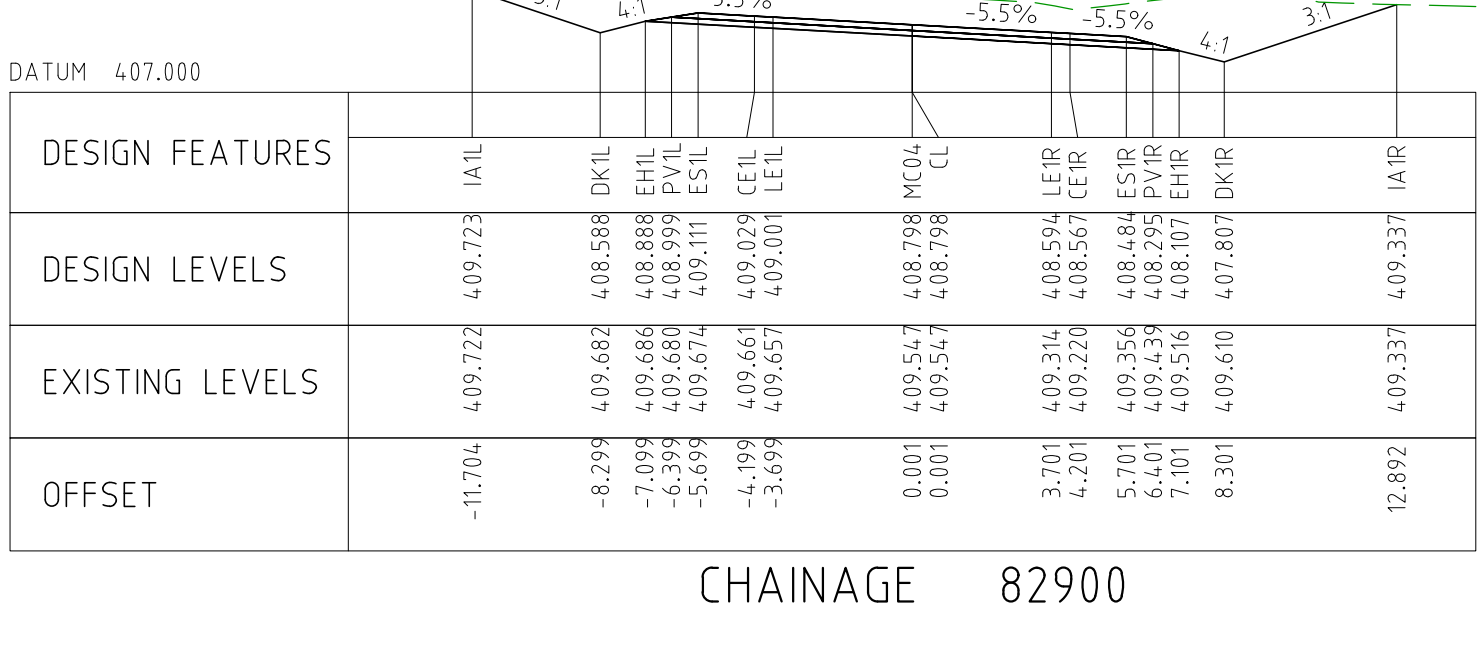
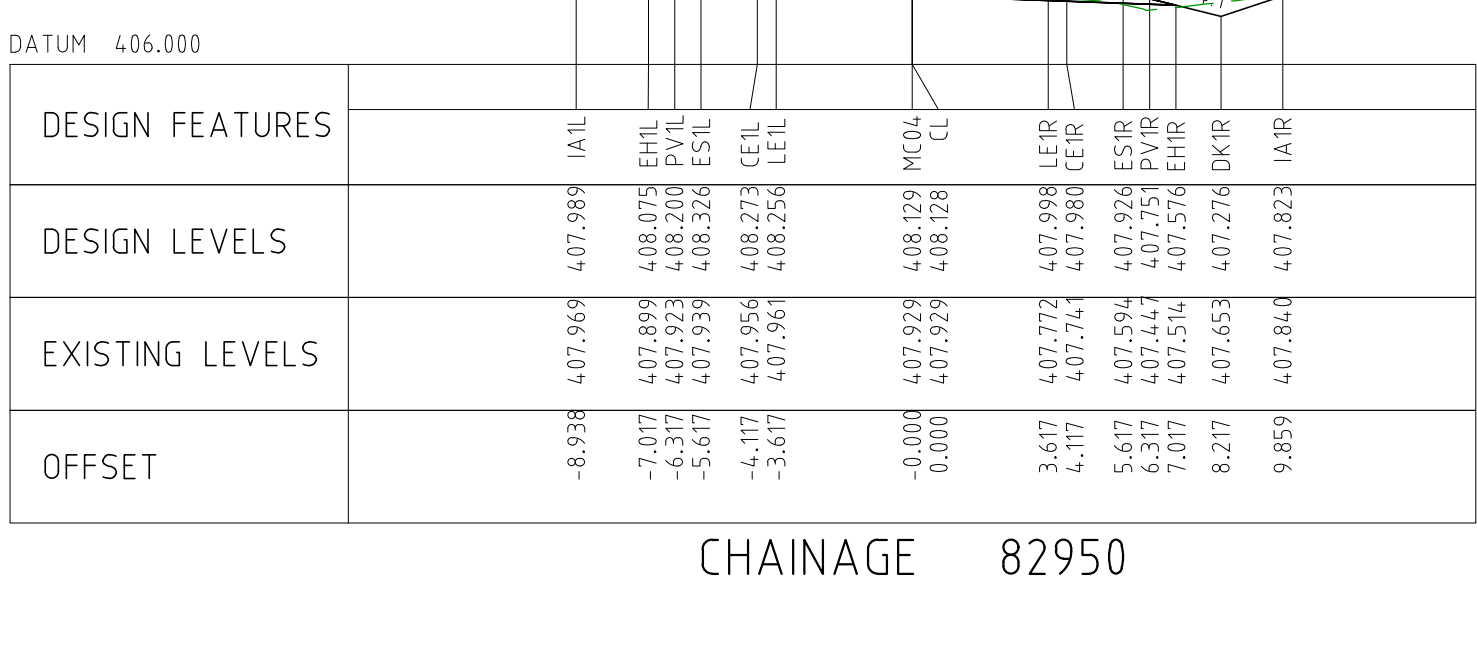
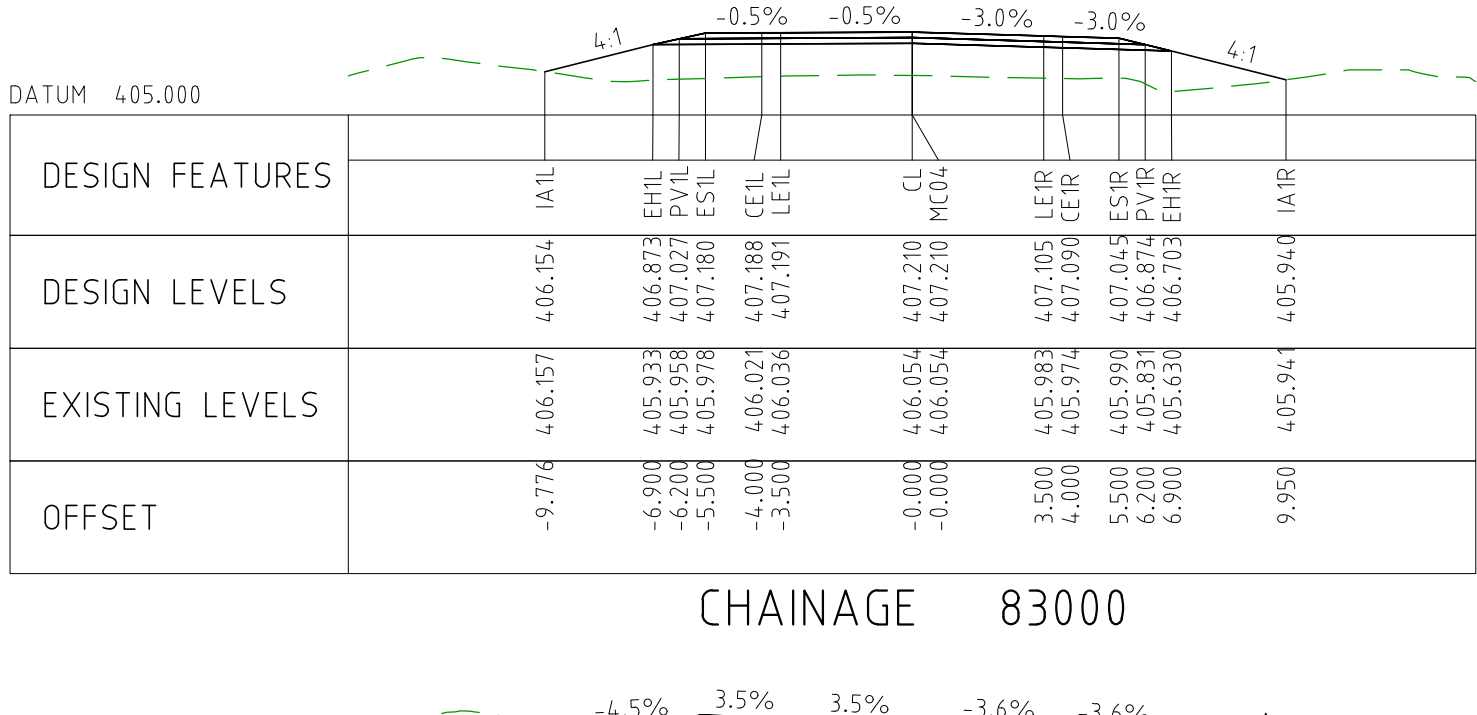
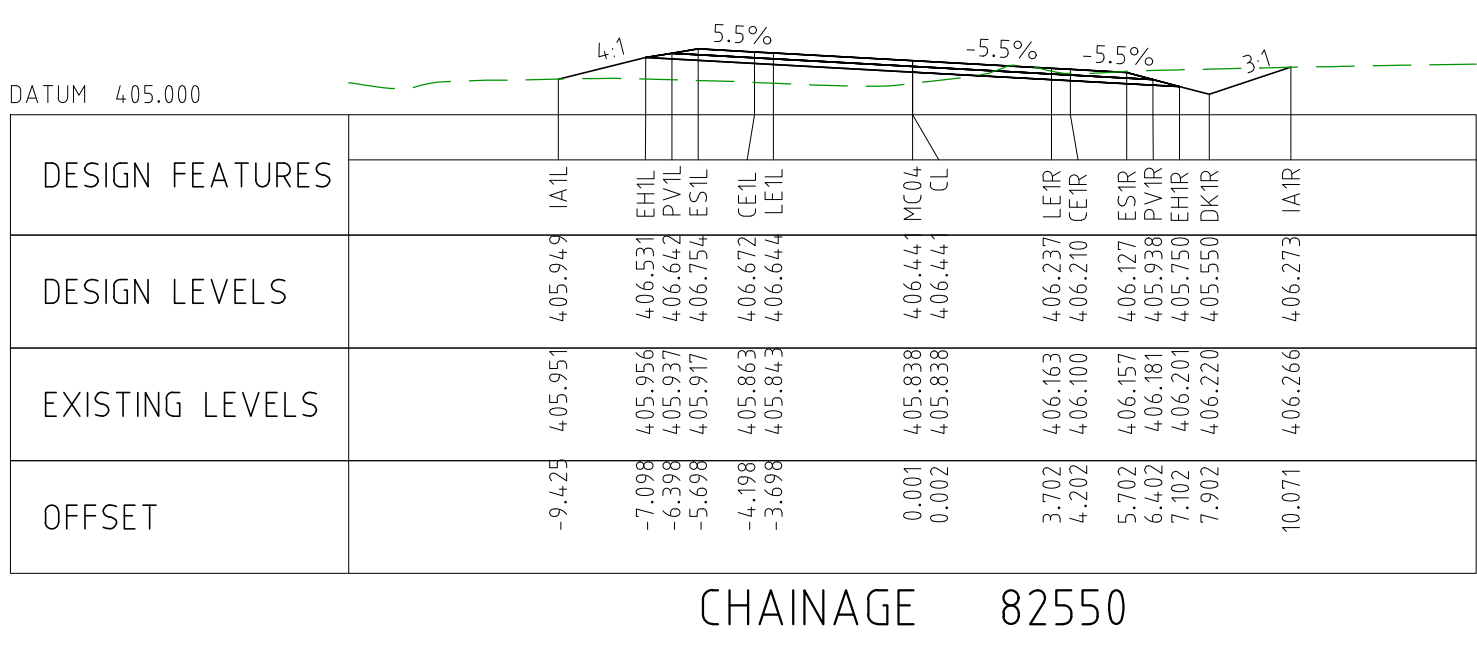
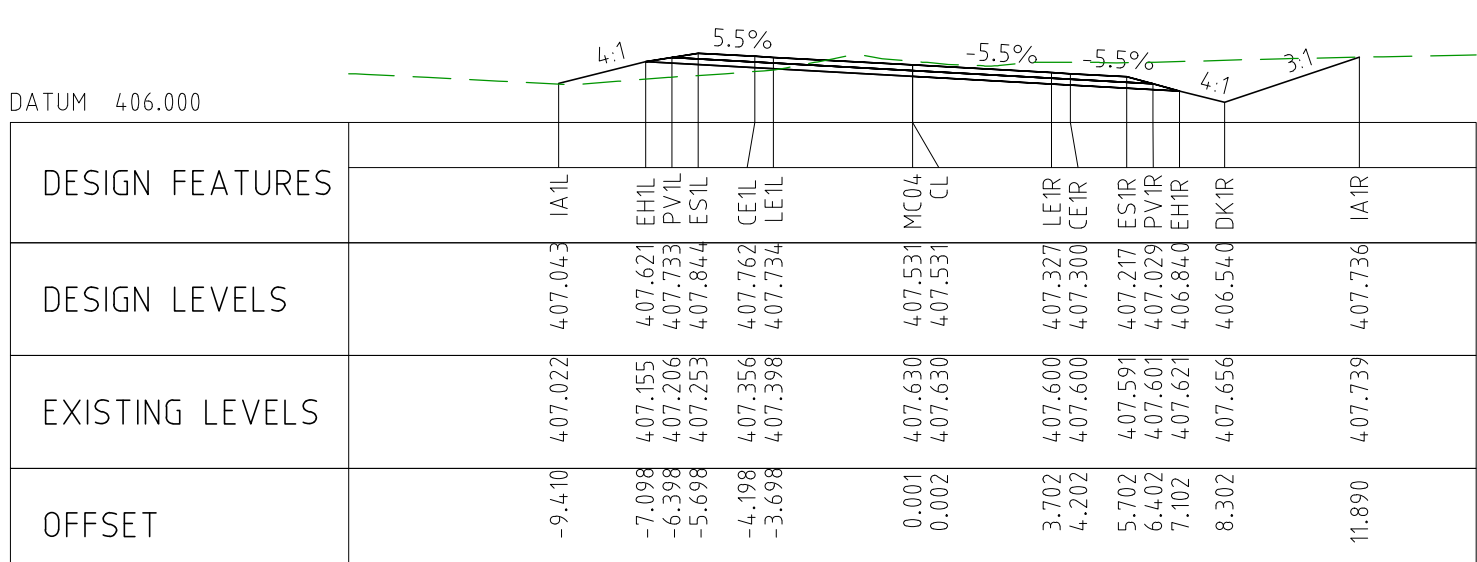
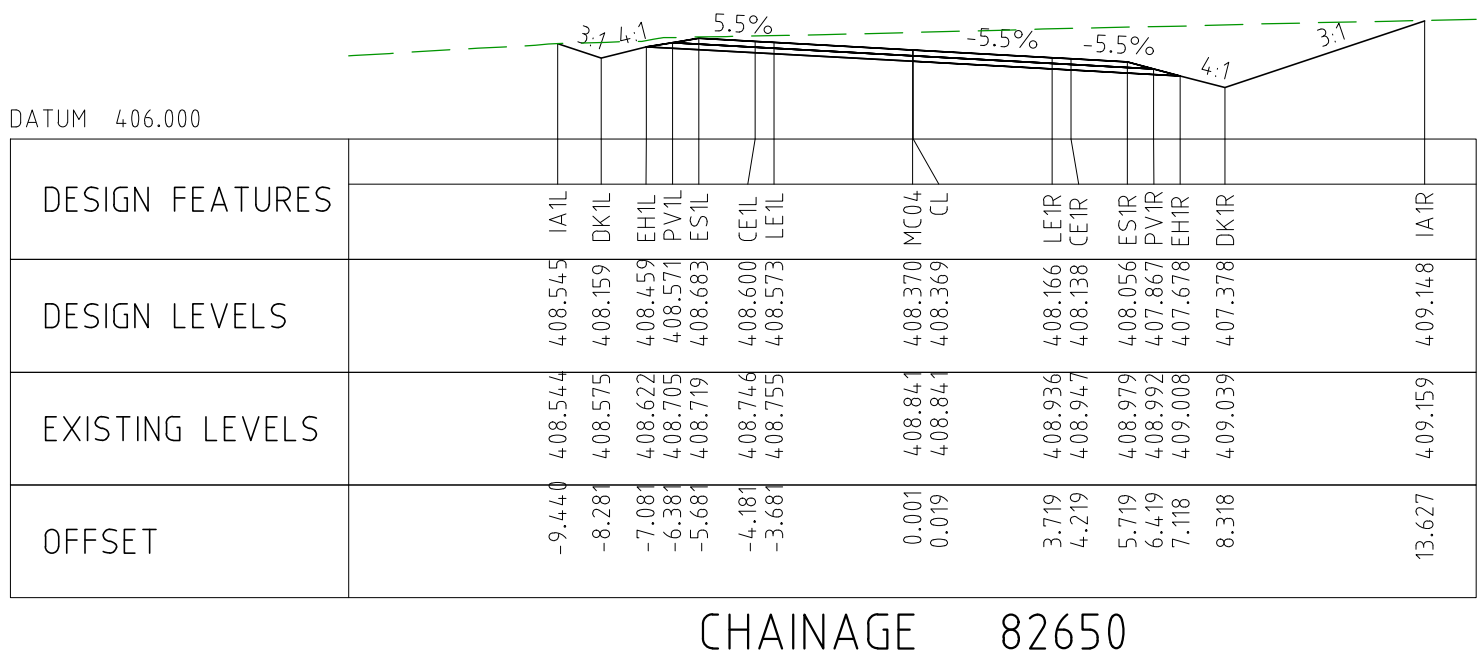
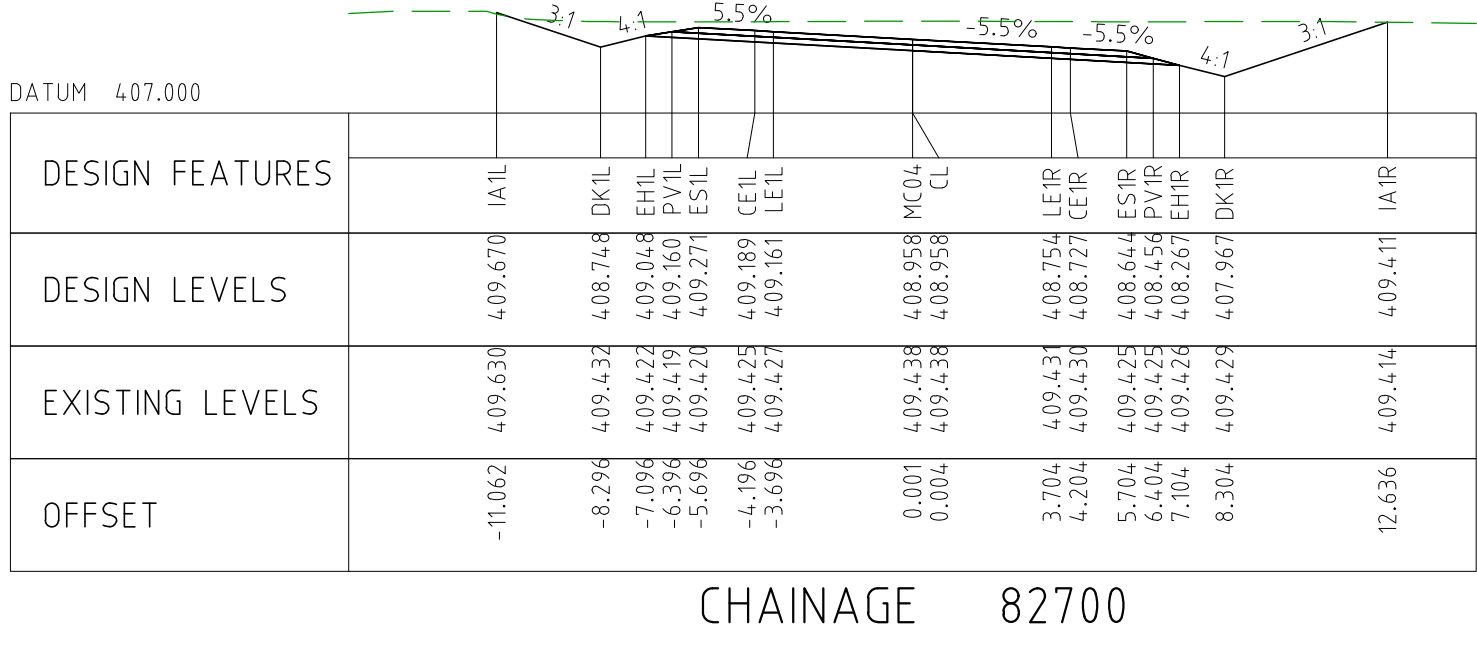
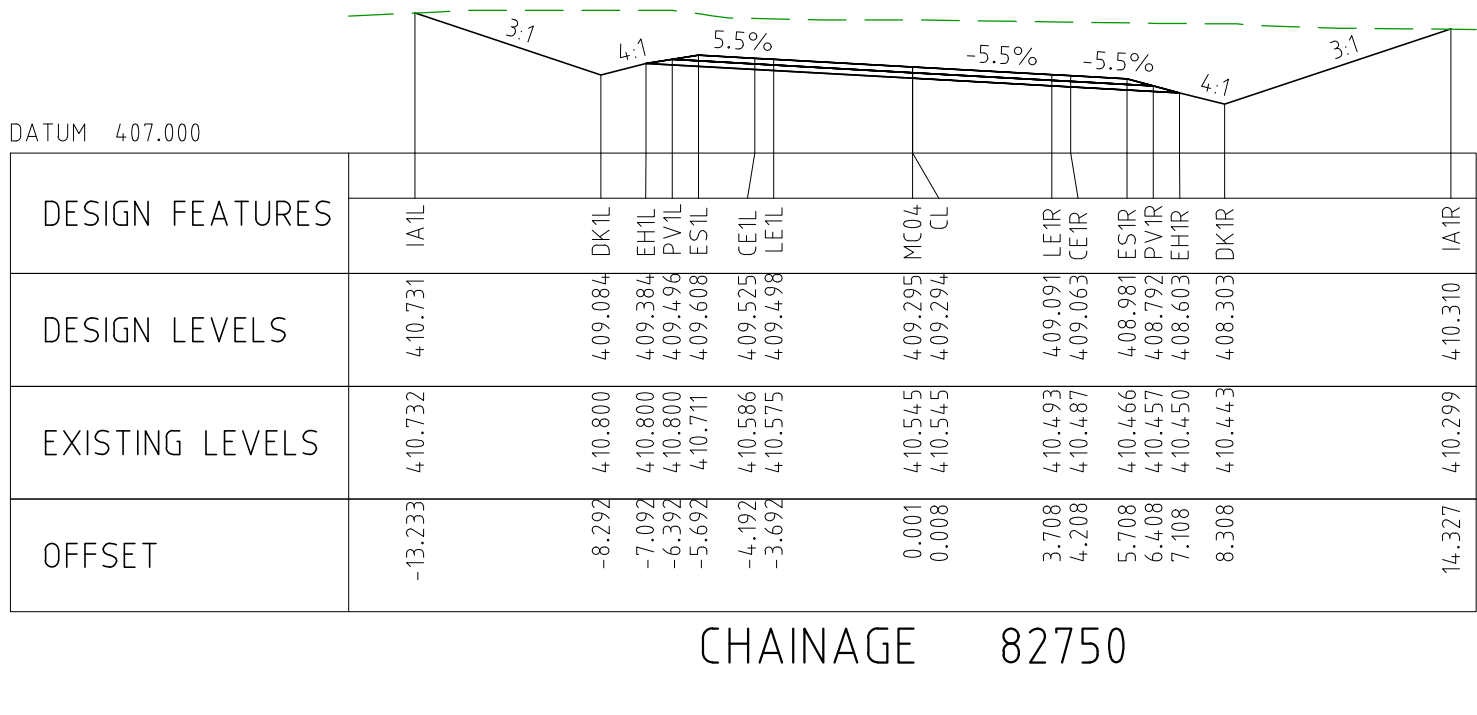
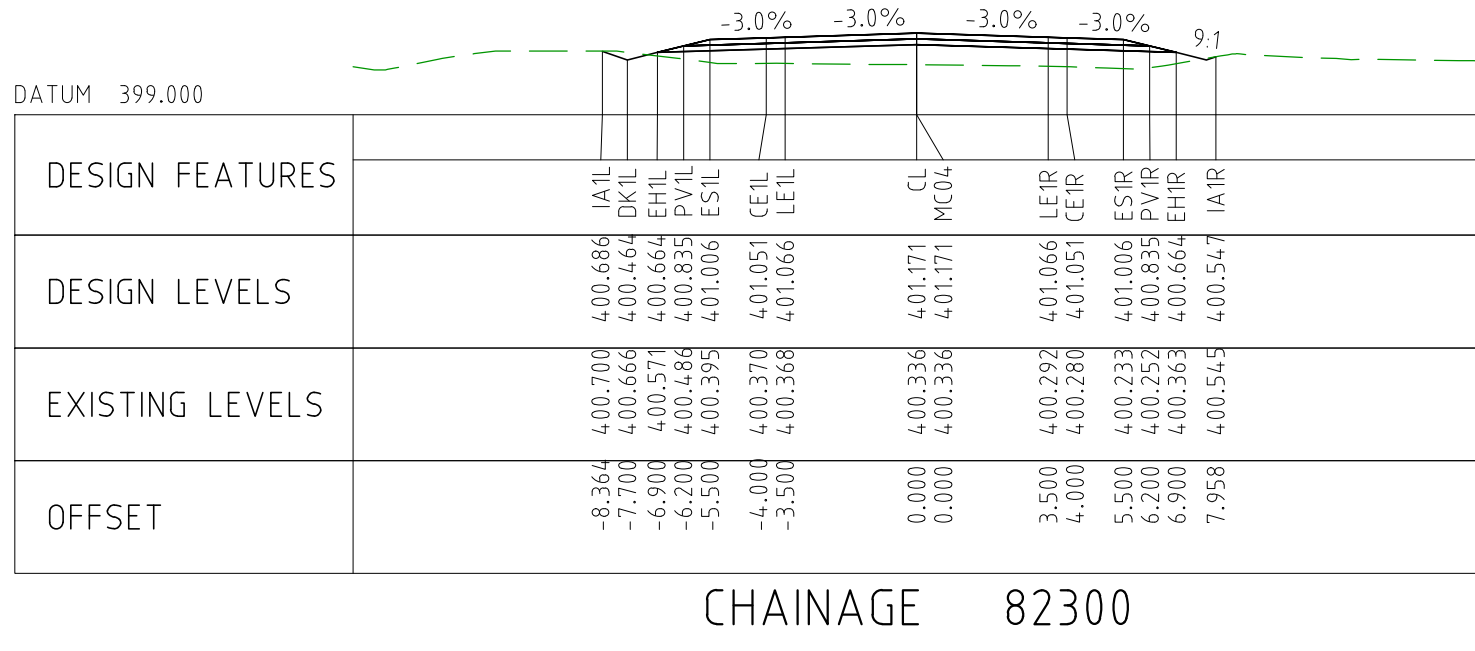
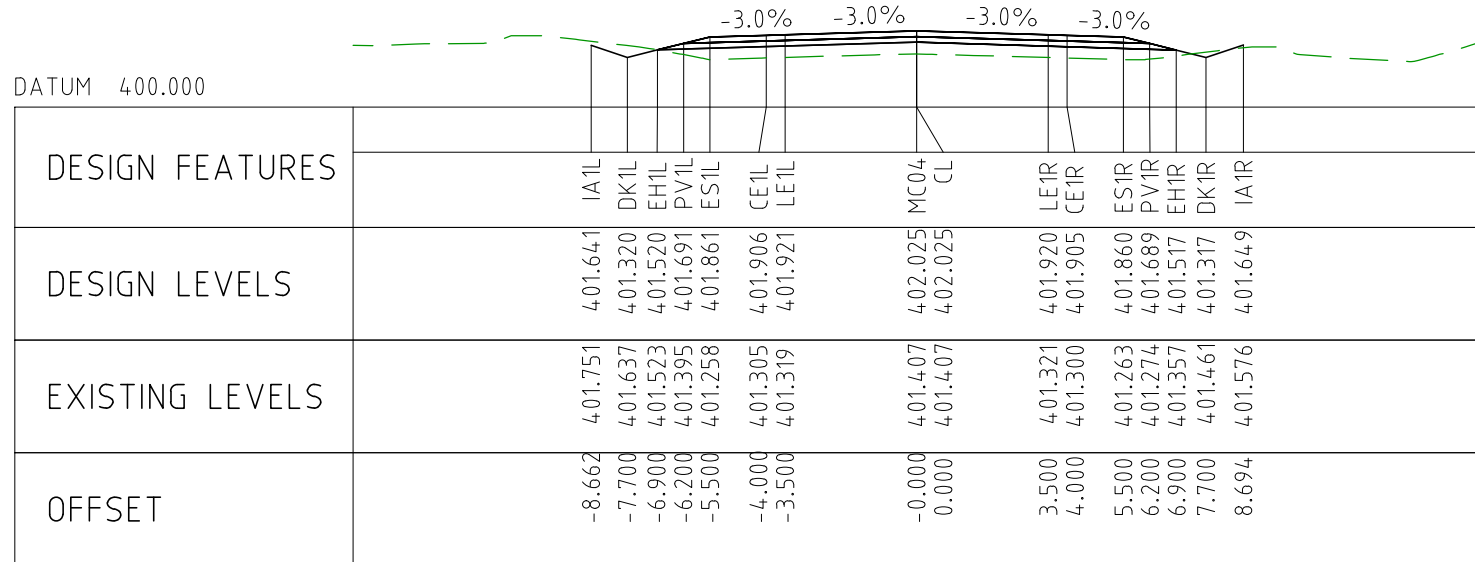
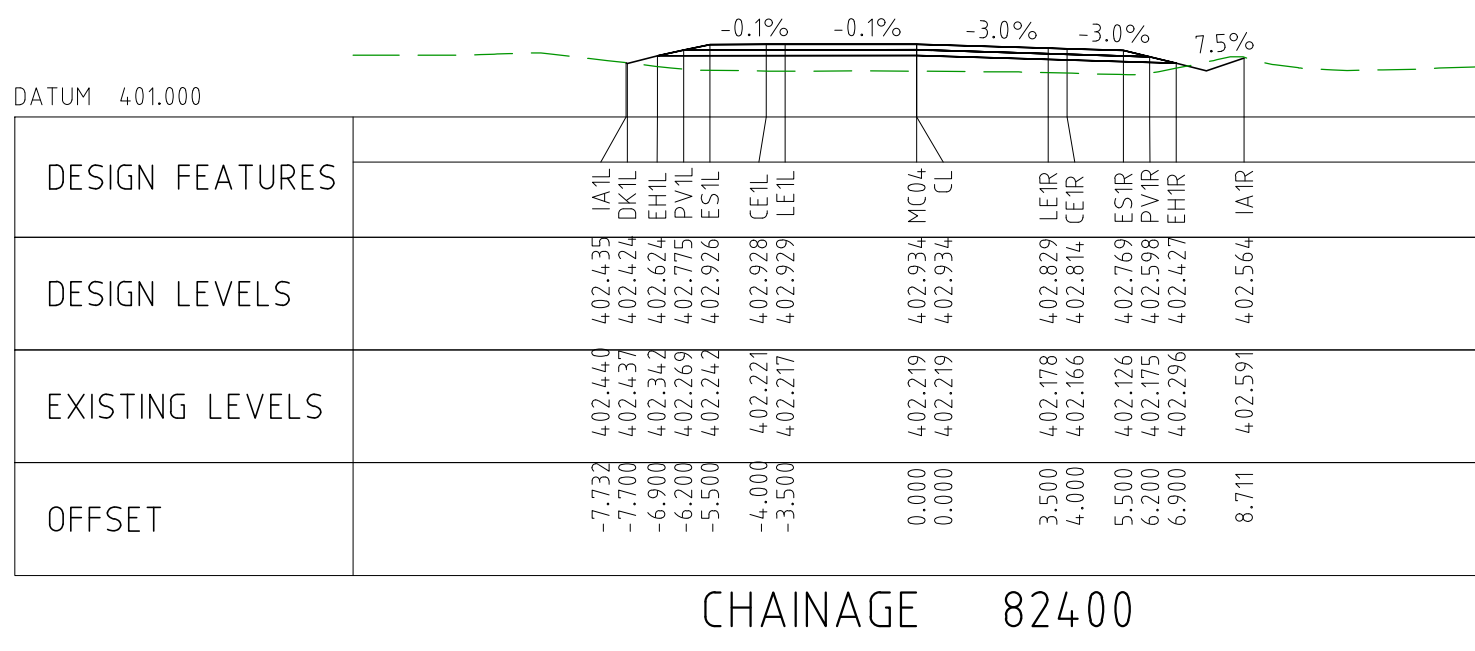
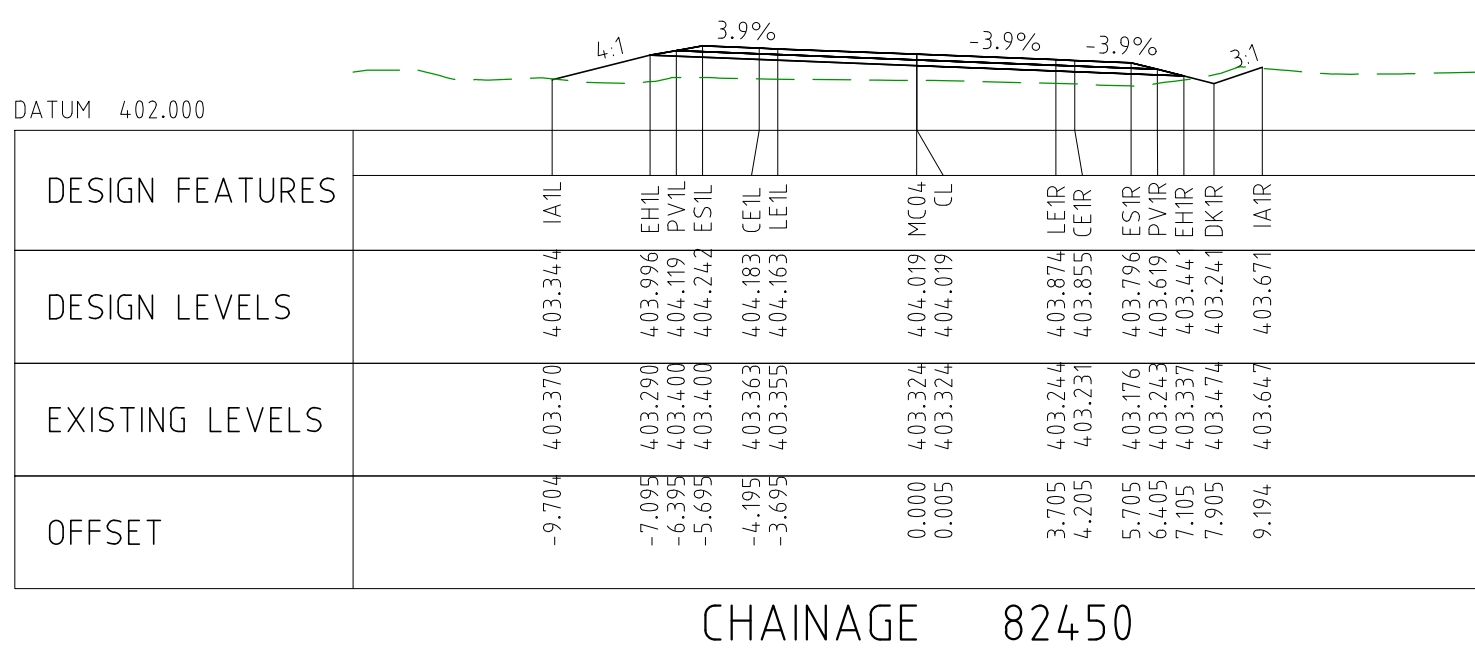
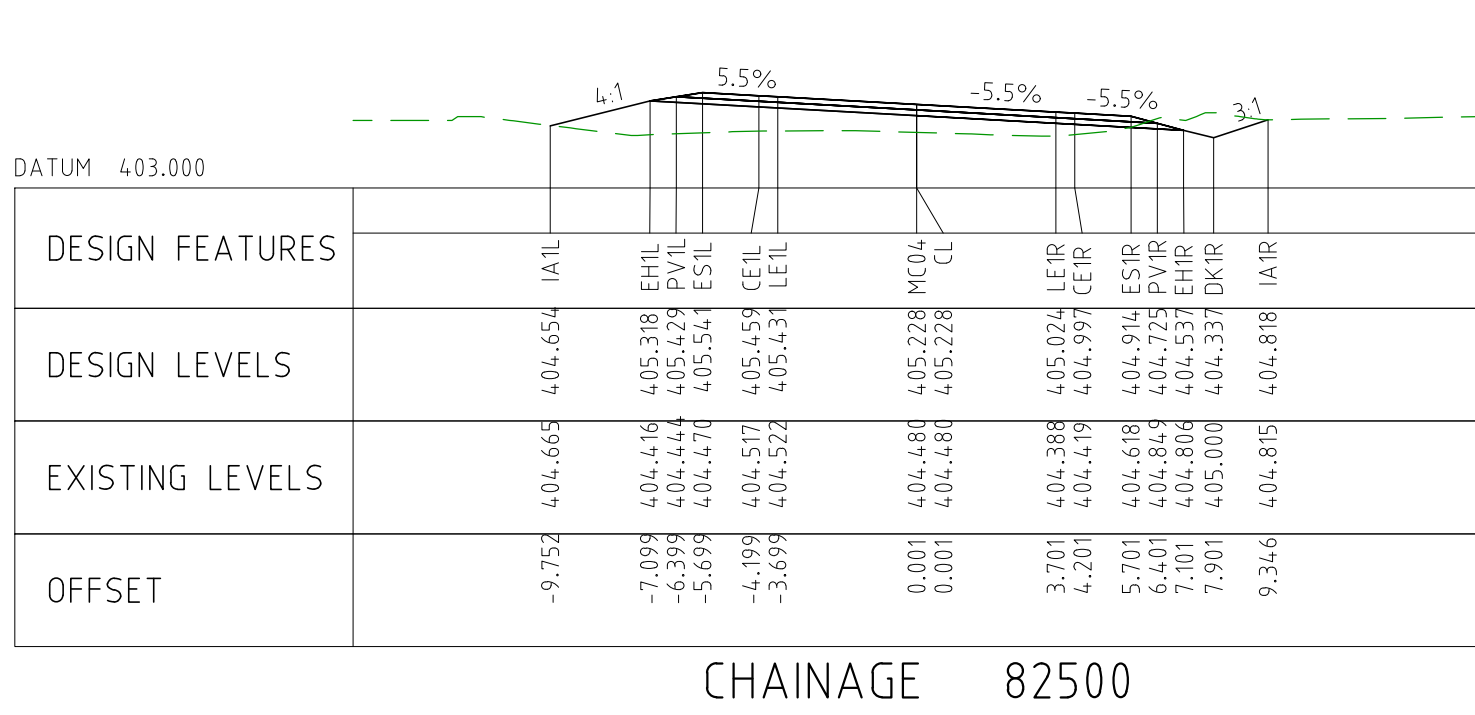


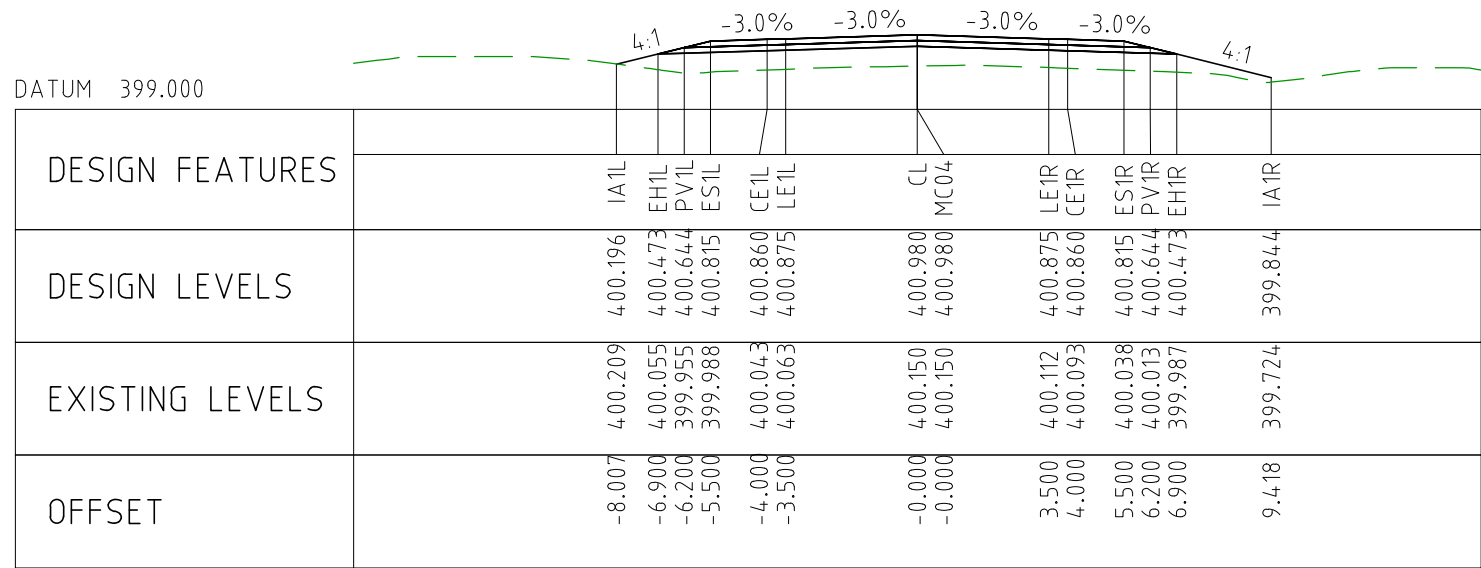
CHAINAGE 81400



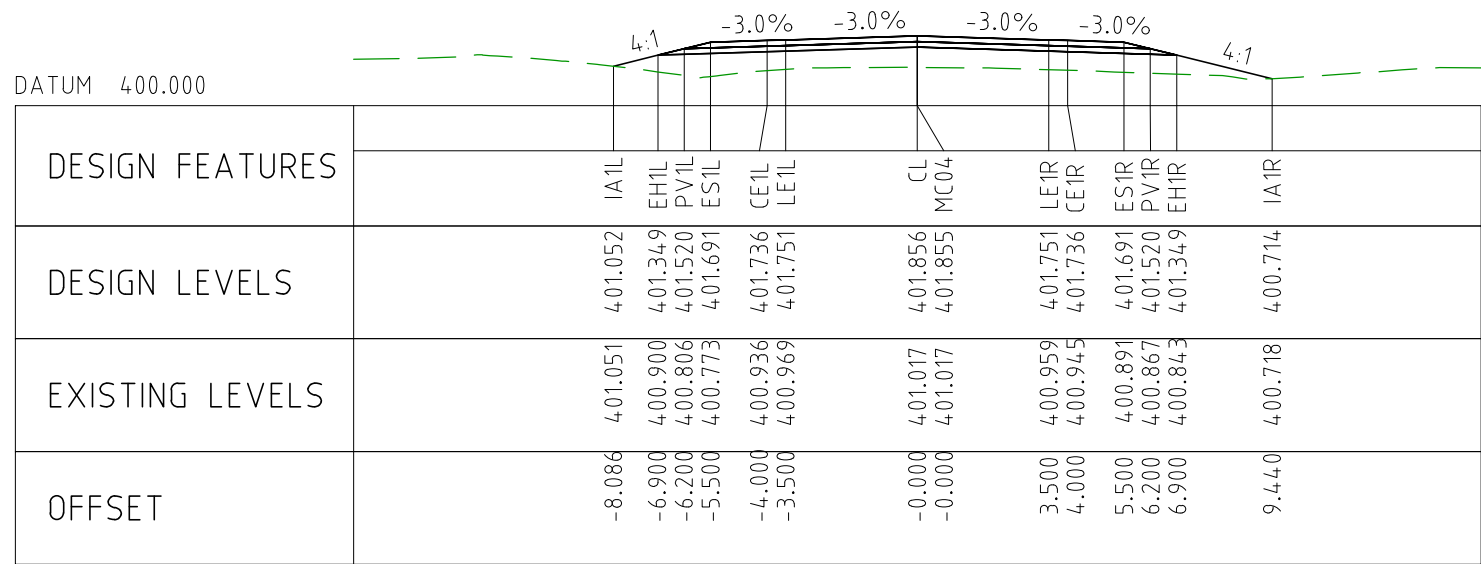
CHAINAGE 81350



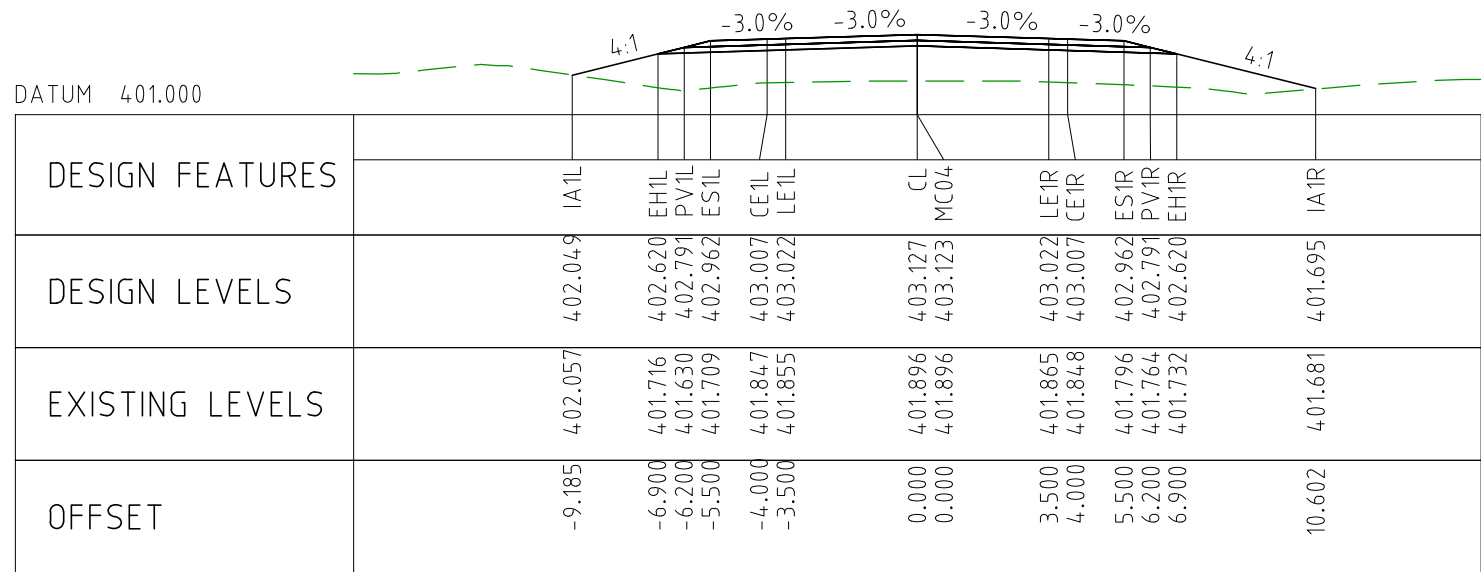




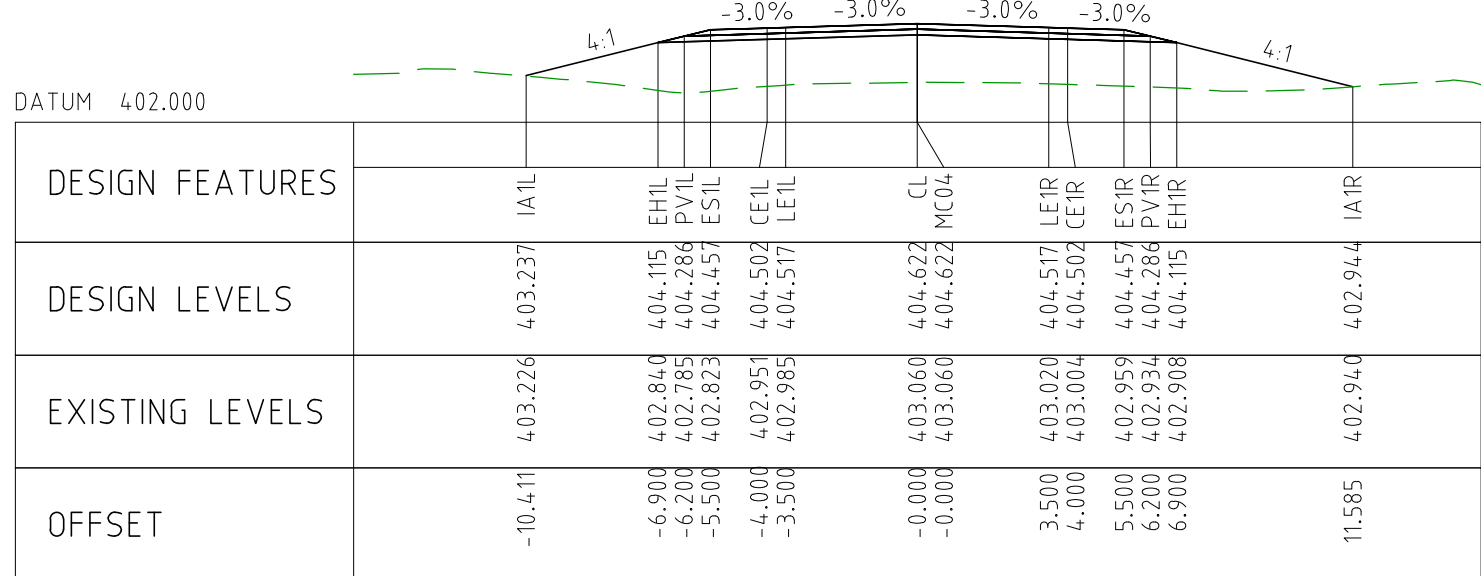
CHAINAGE 83250



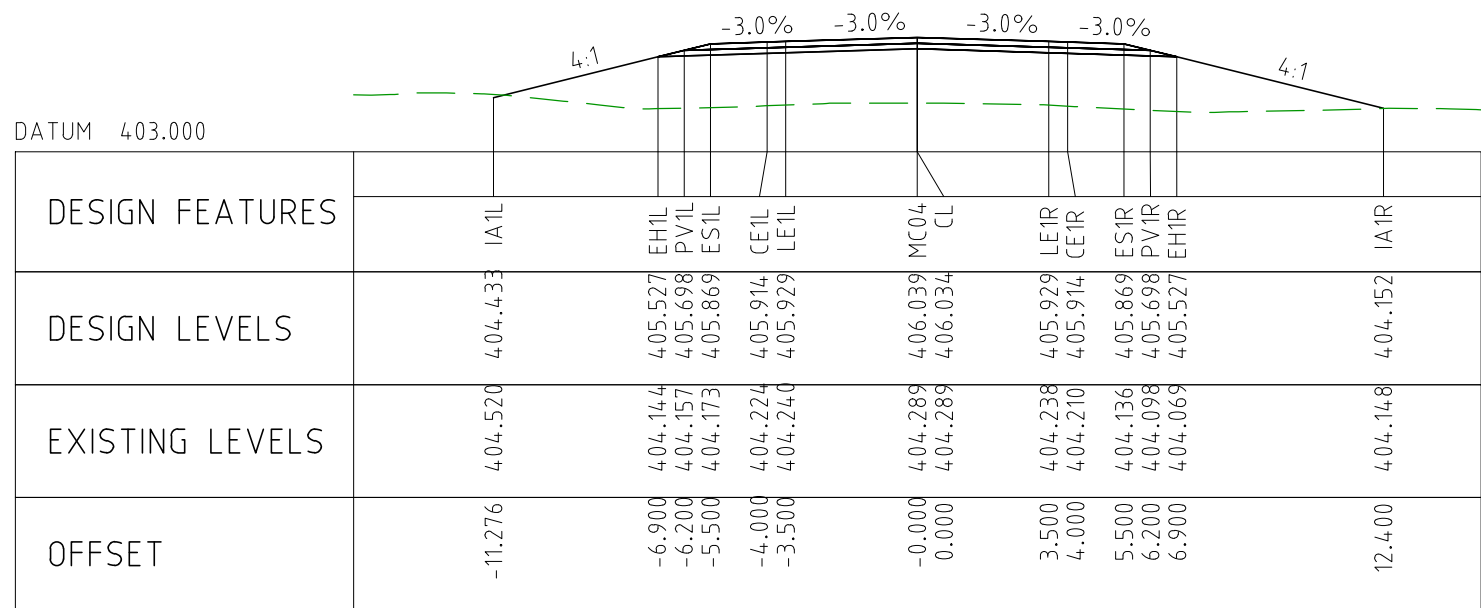
CHAINAGE 83200



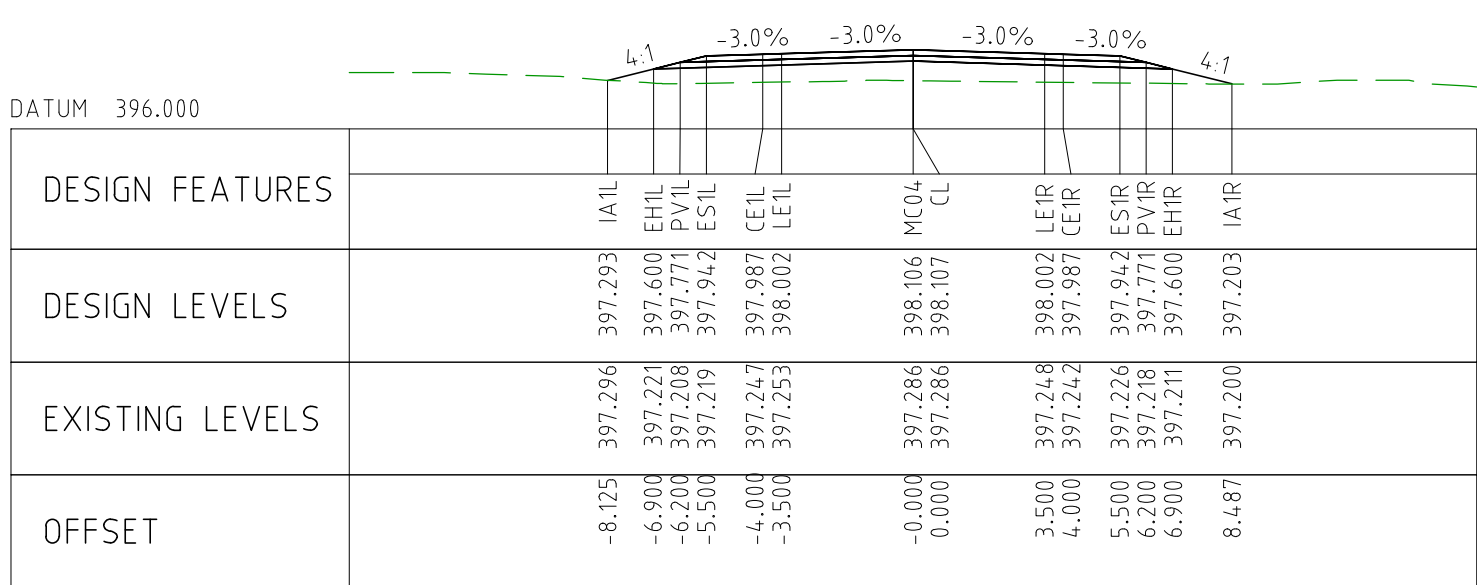
CHAINAGE 83150



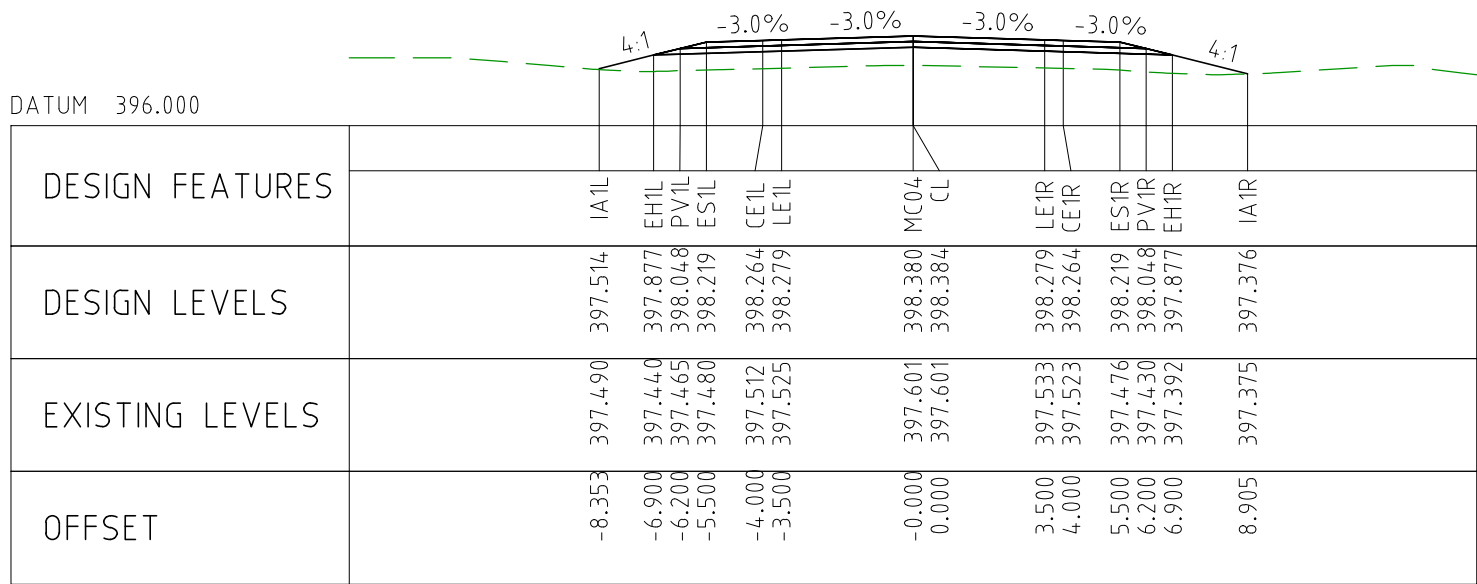
CHAINAGE 83100



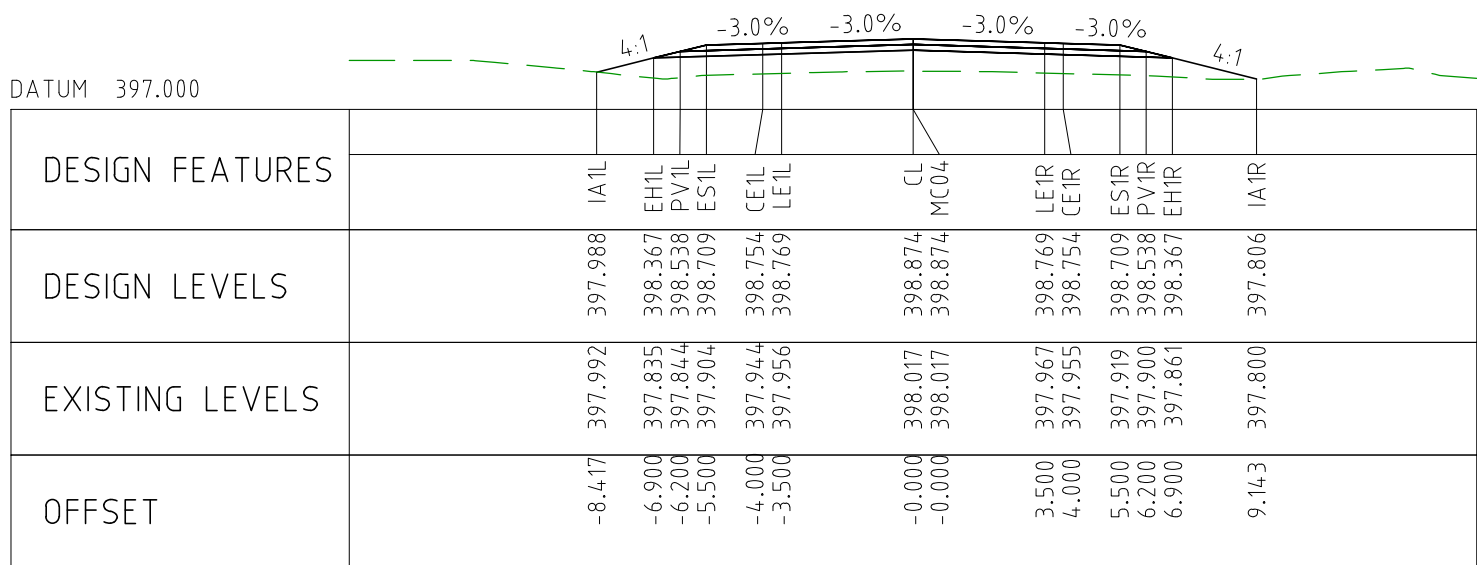
CHAINAGE 83050



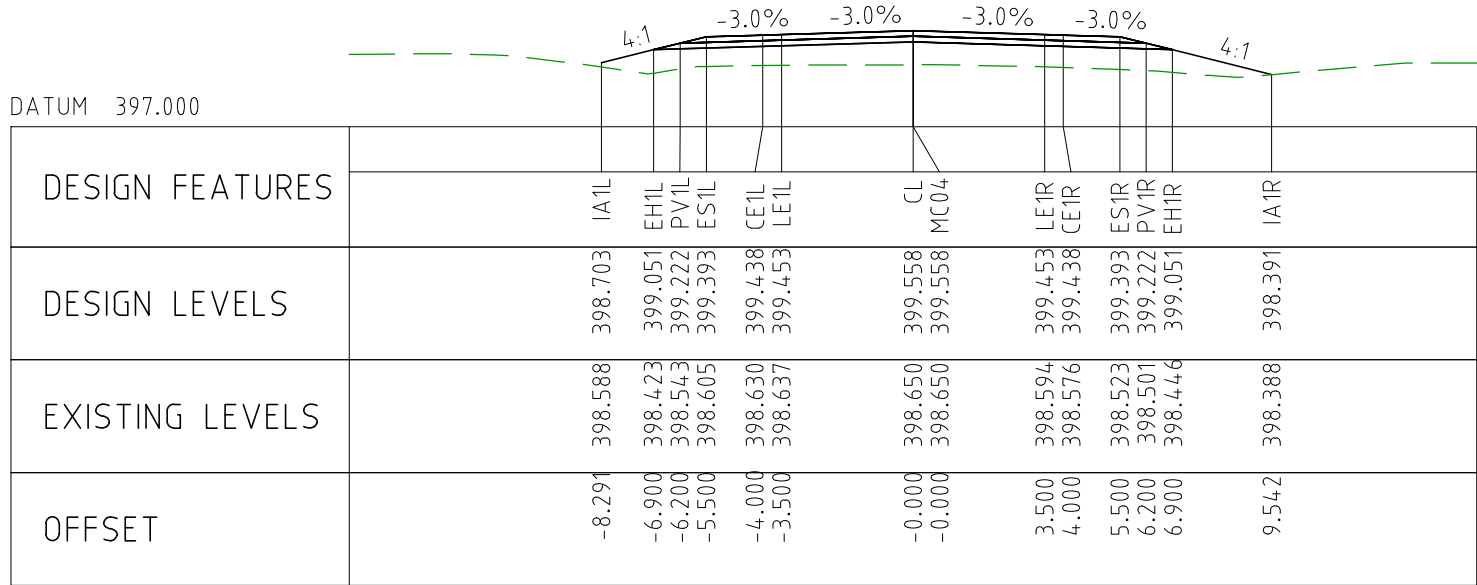
CHAINAGE 83500



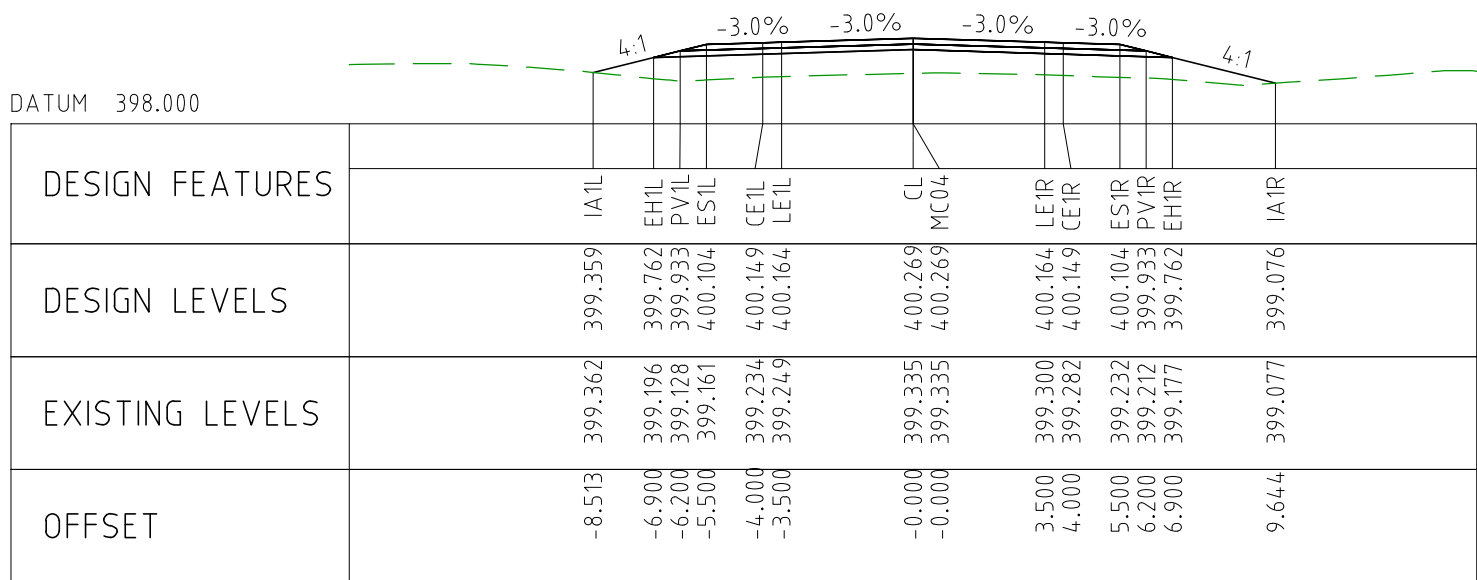
CHAINAGE 83450



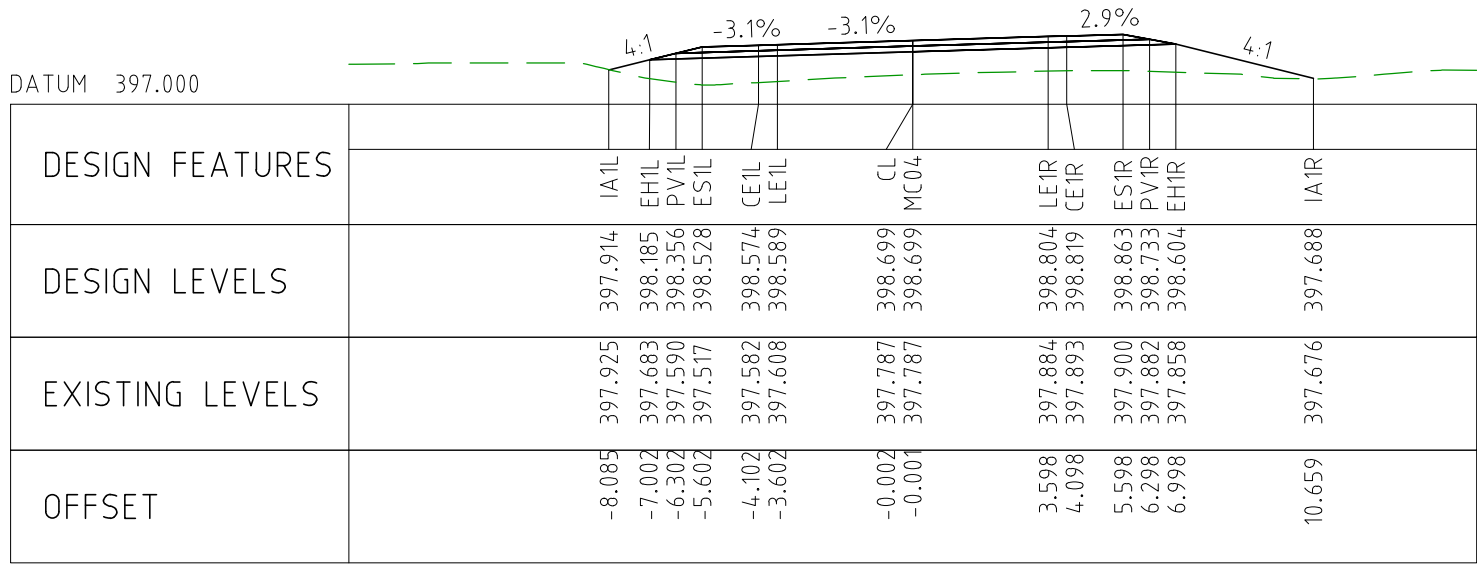
CHAINAGE 83400



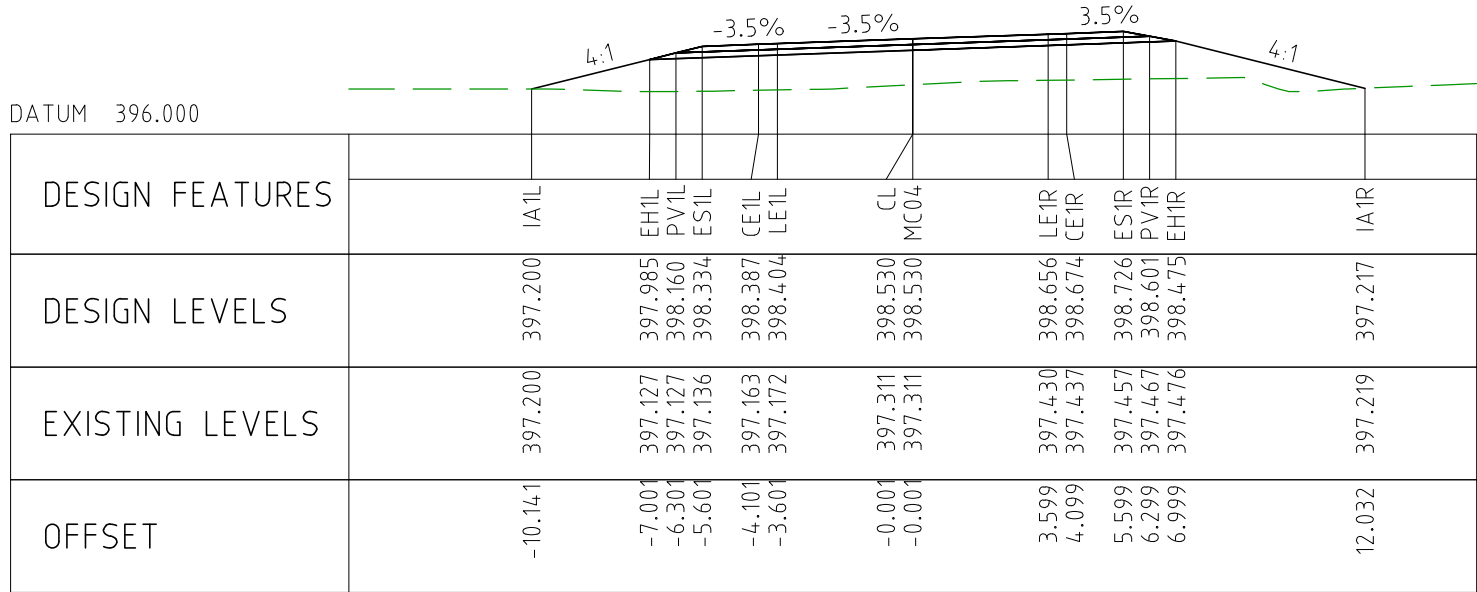
CHAINAGE 83350



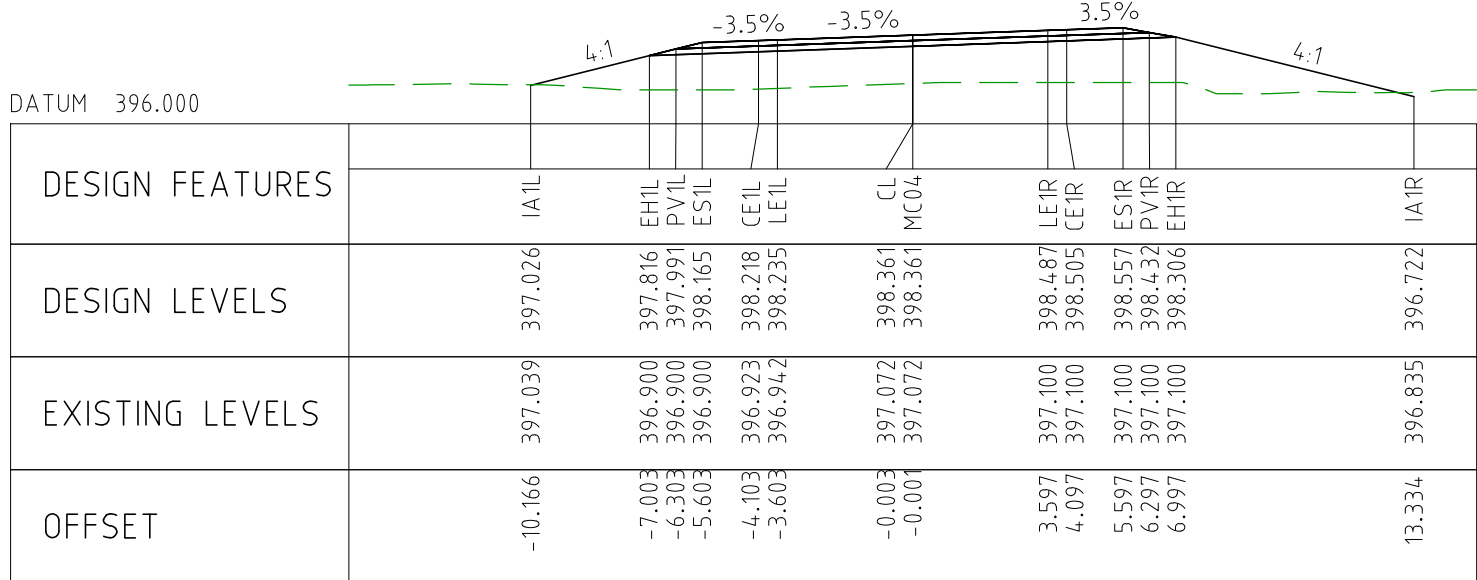
CHAINAGE 83300



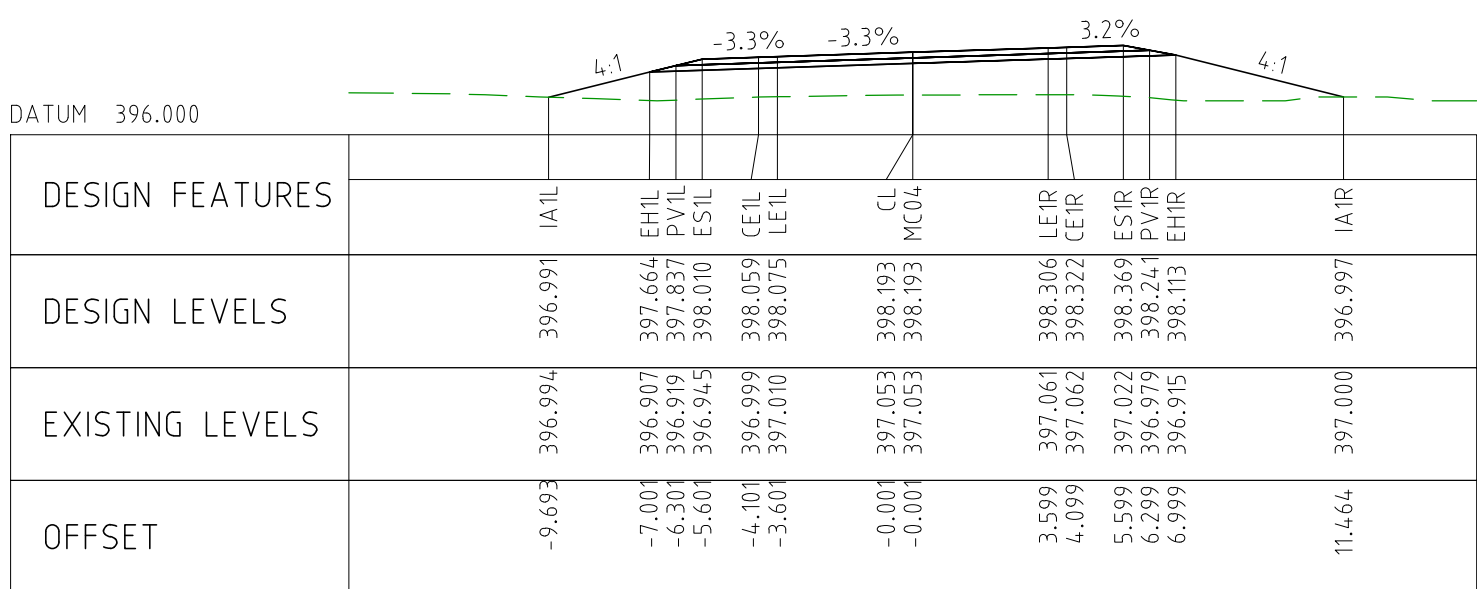
CHAINAGE 83750



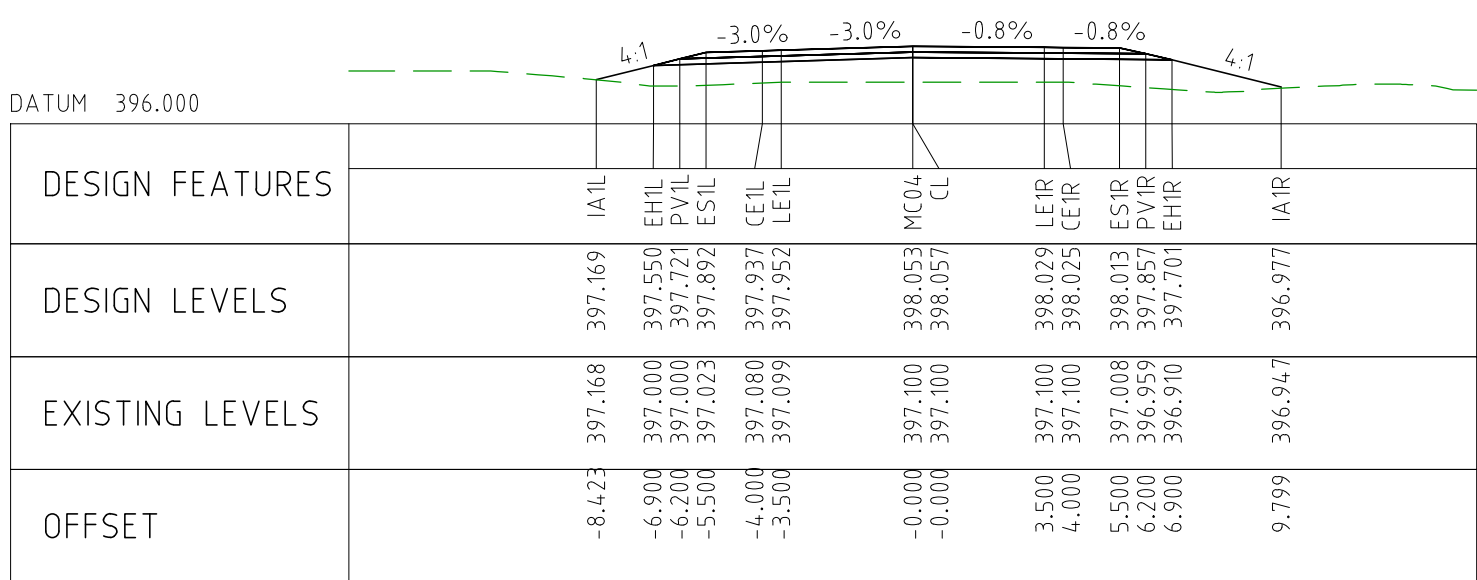
CHAINAGE 83700



CHAINAGE 83650

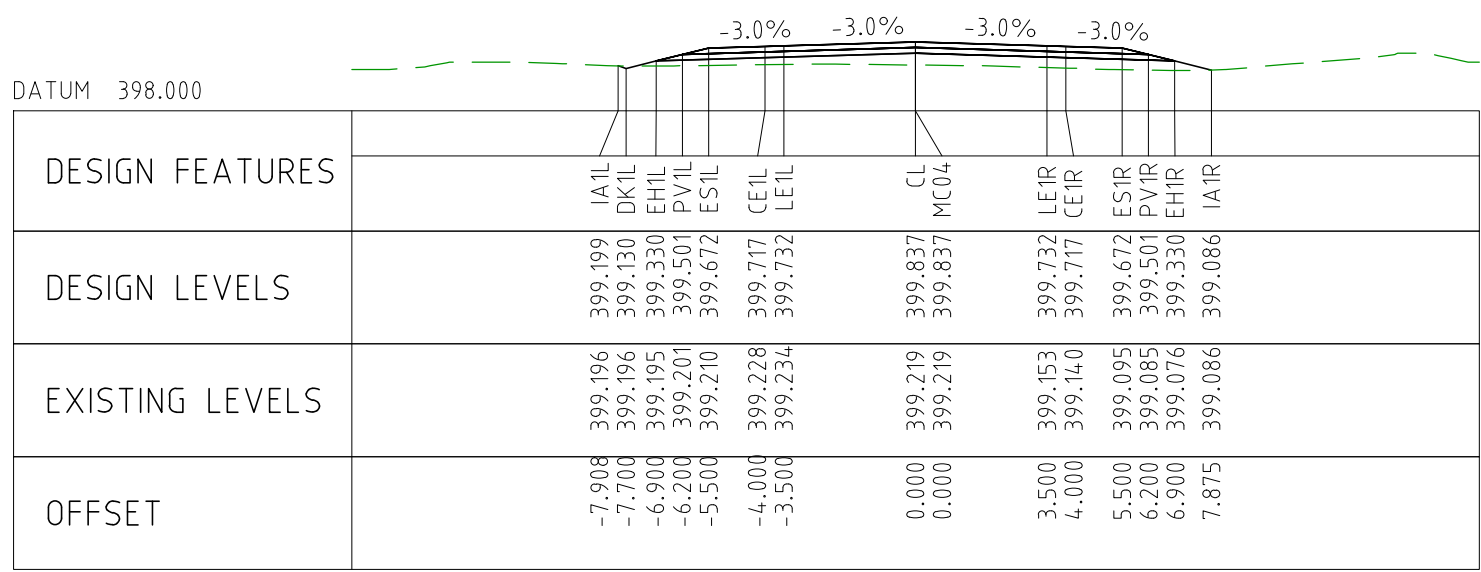


CHAINAGE 83600

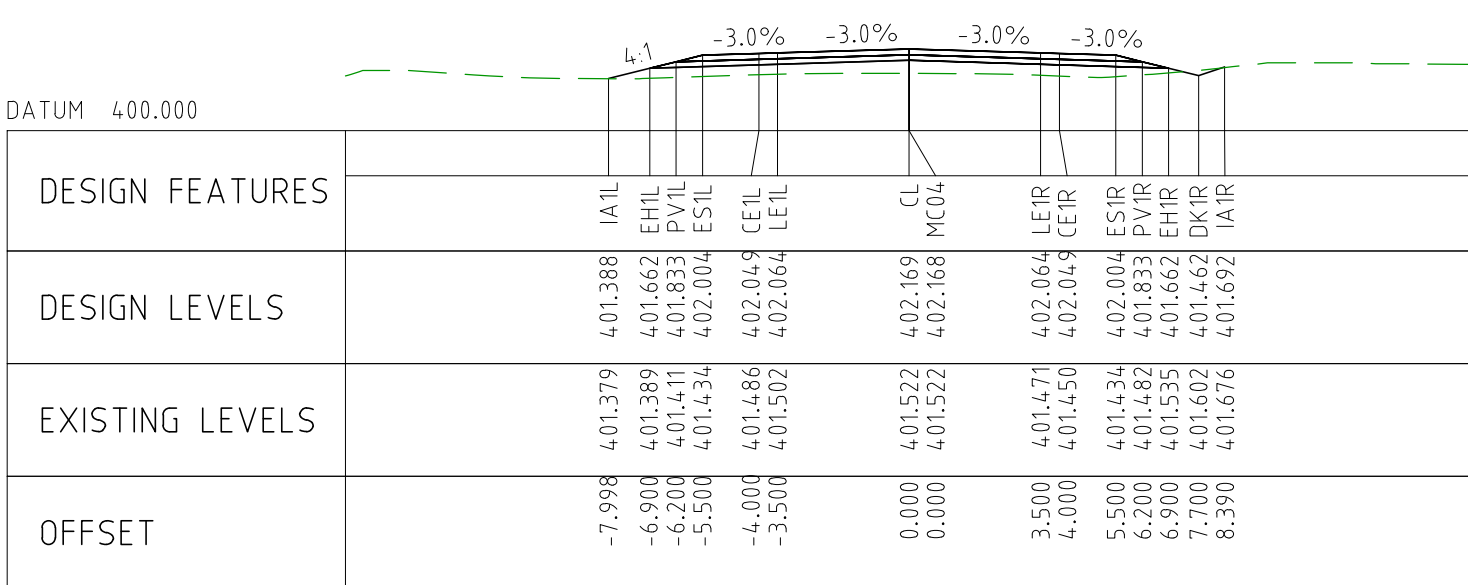


CHAINAGE 83550

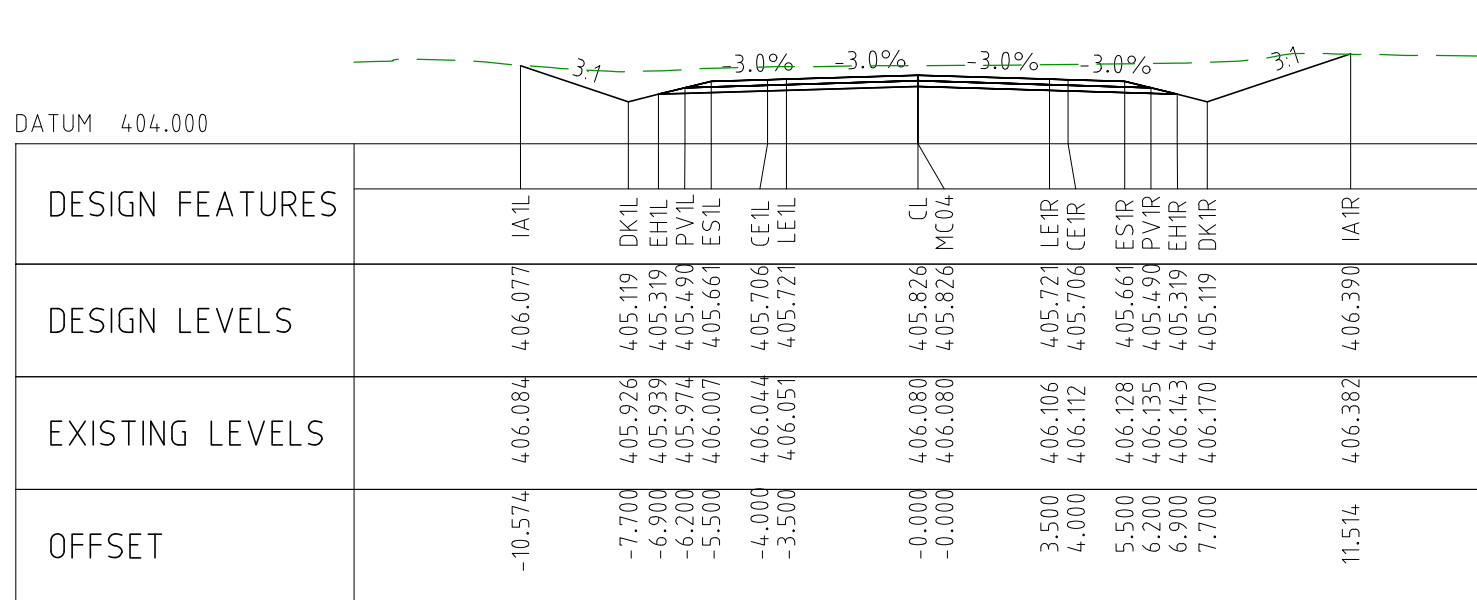
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS125.dwg				PLOT DATE 03 Nov 2022		TIME 16:54:54		CLIENT DOCUMENT No COV-M040-CI-DWG-0237			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SE



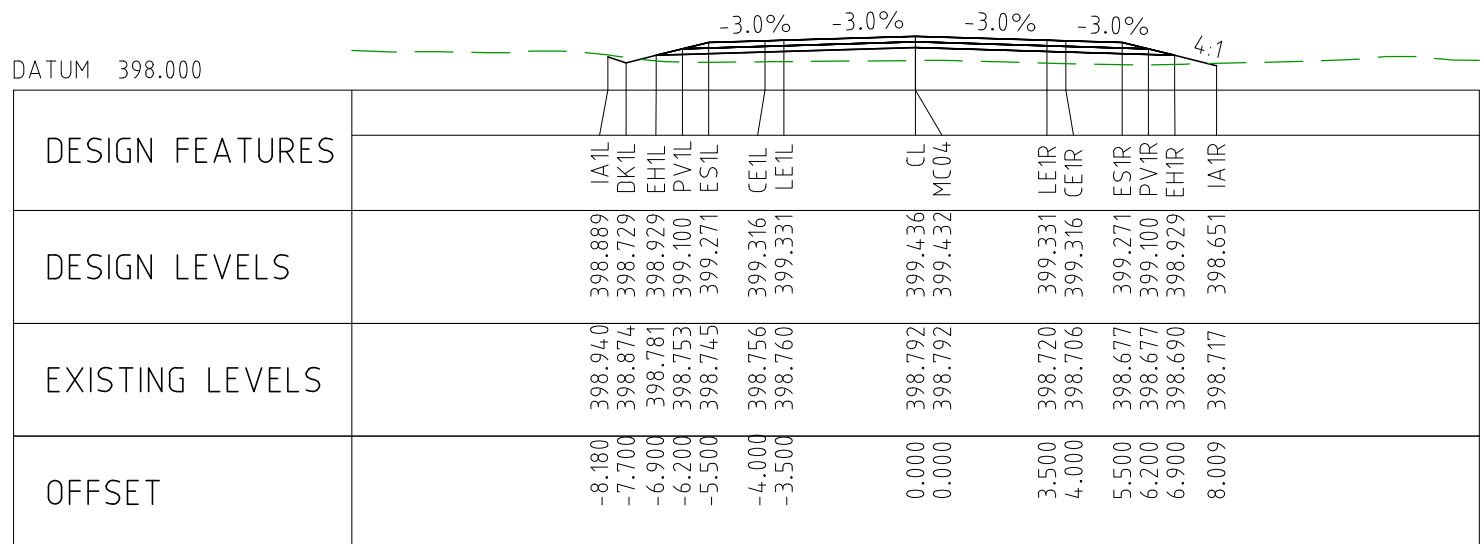
CHAINAGE 84000



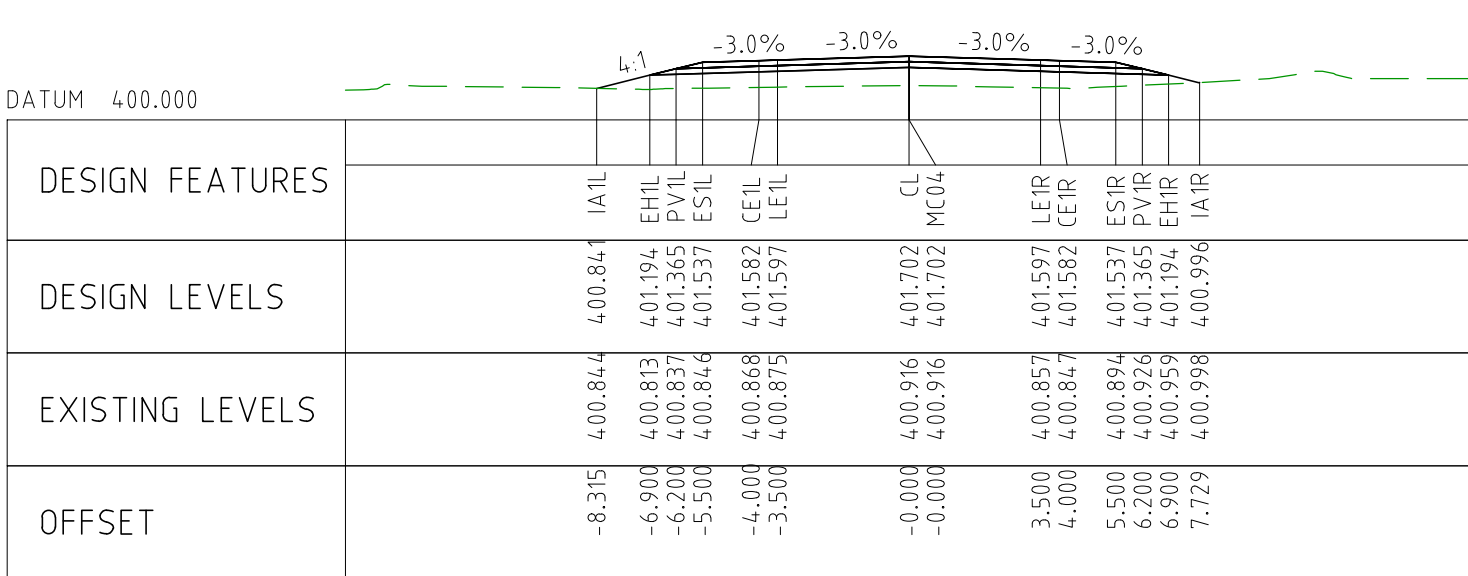
CHAINAGE 84250



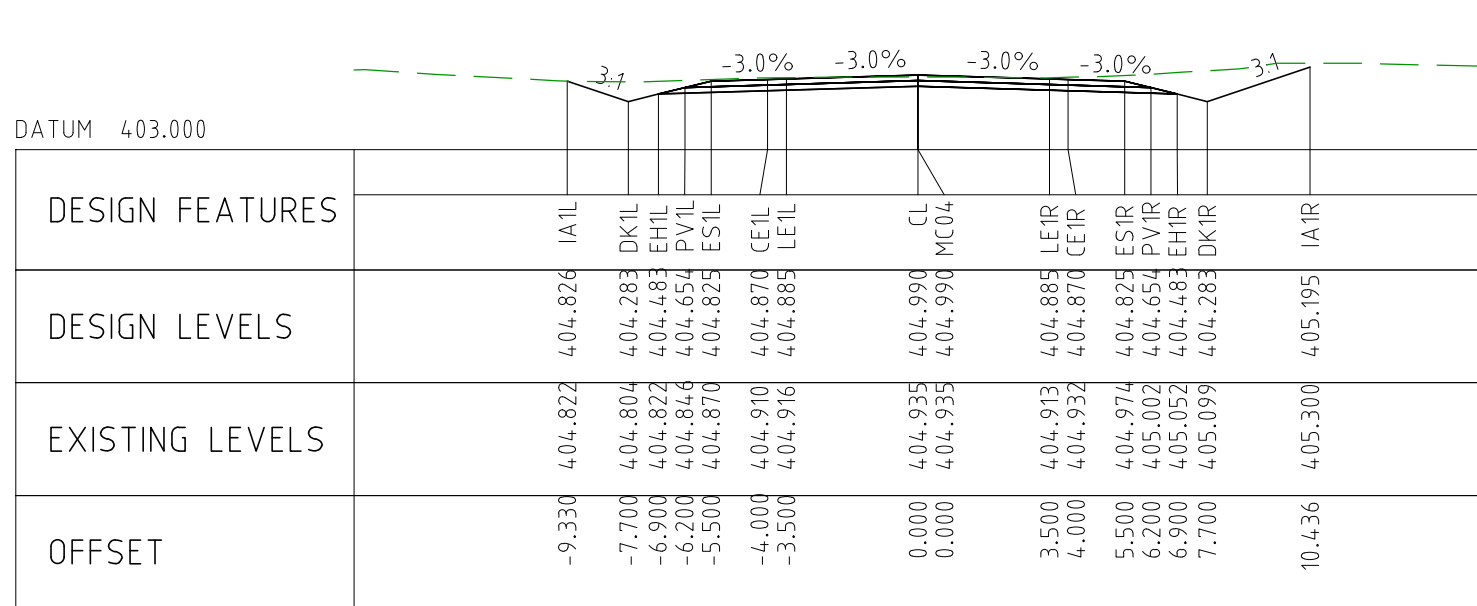
CHAINAGE 84500



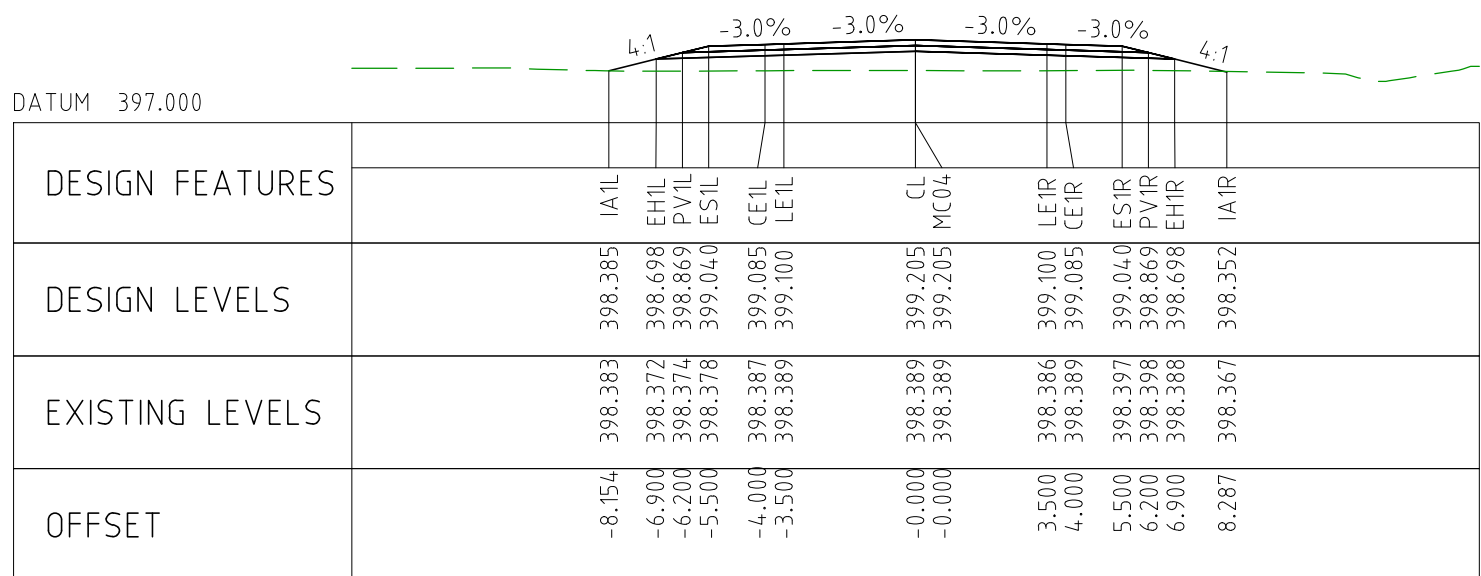
CHAINAGE 83950



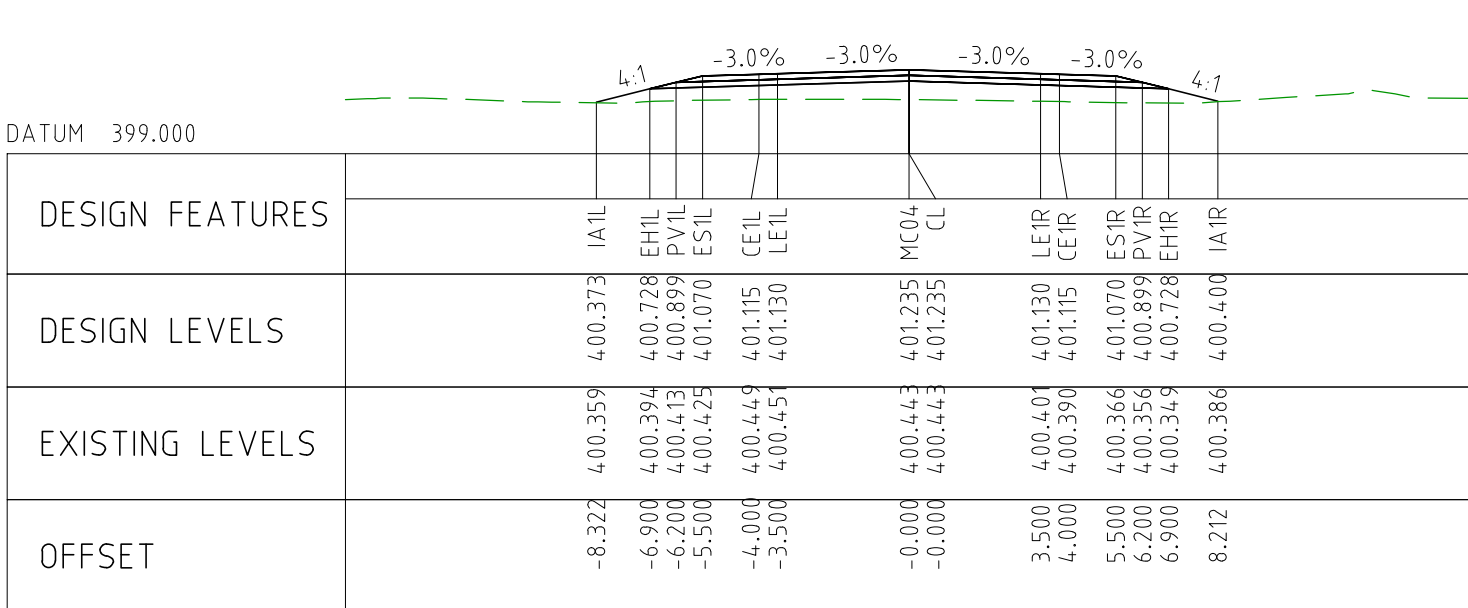
CHAINAGE 84200



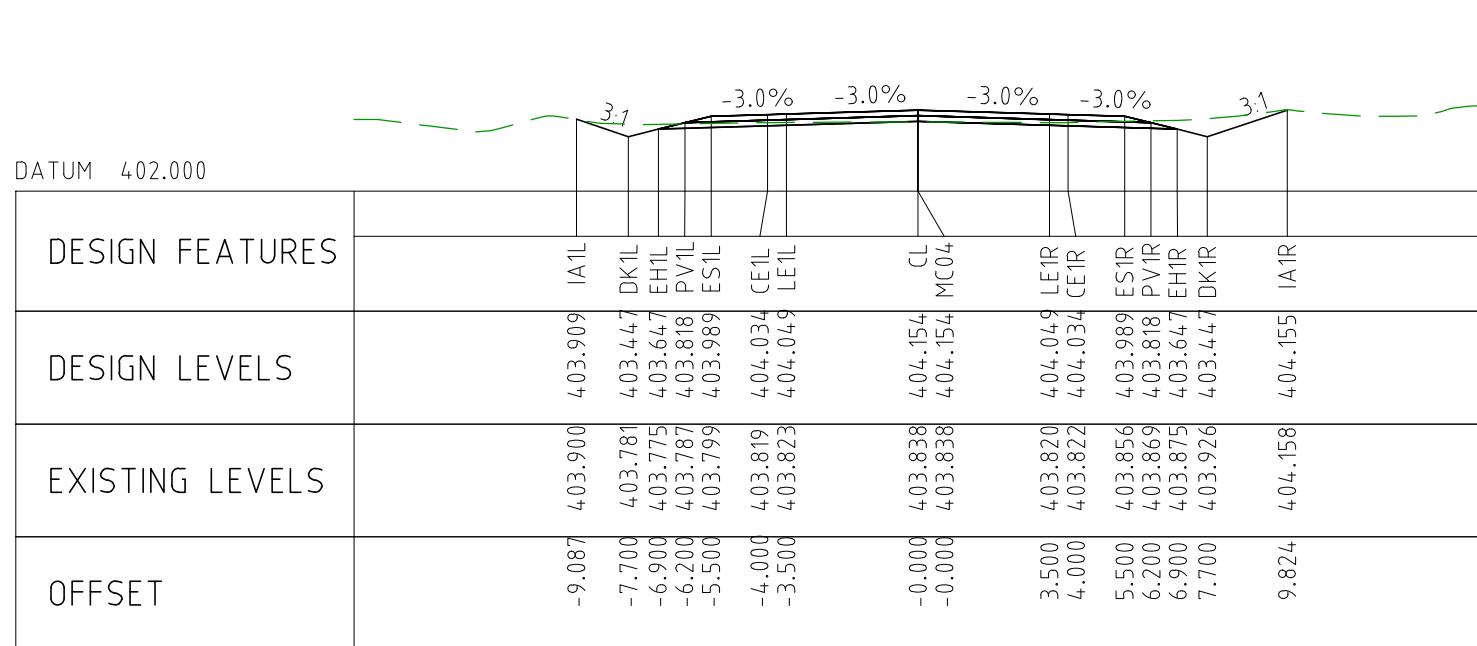
CHAINAGE 84450



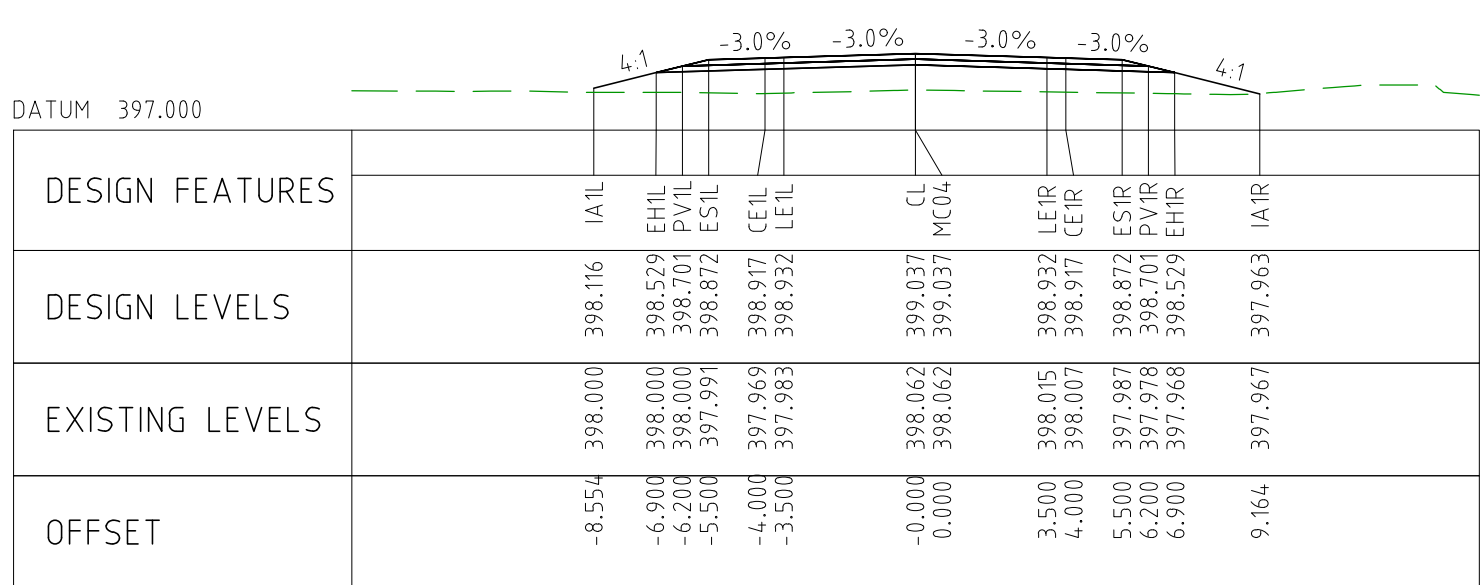
CHAINAGE 83900



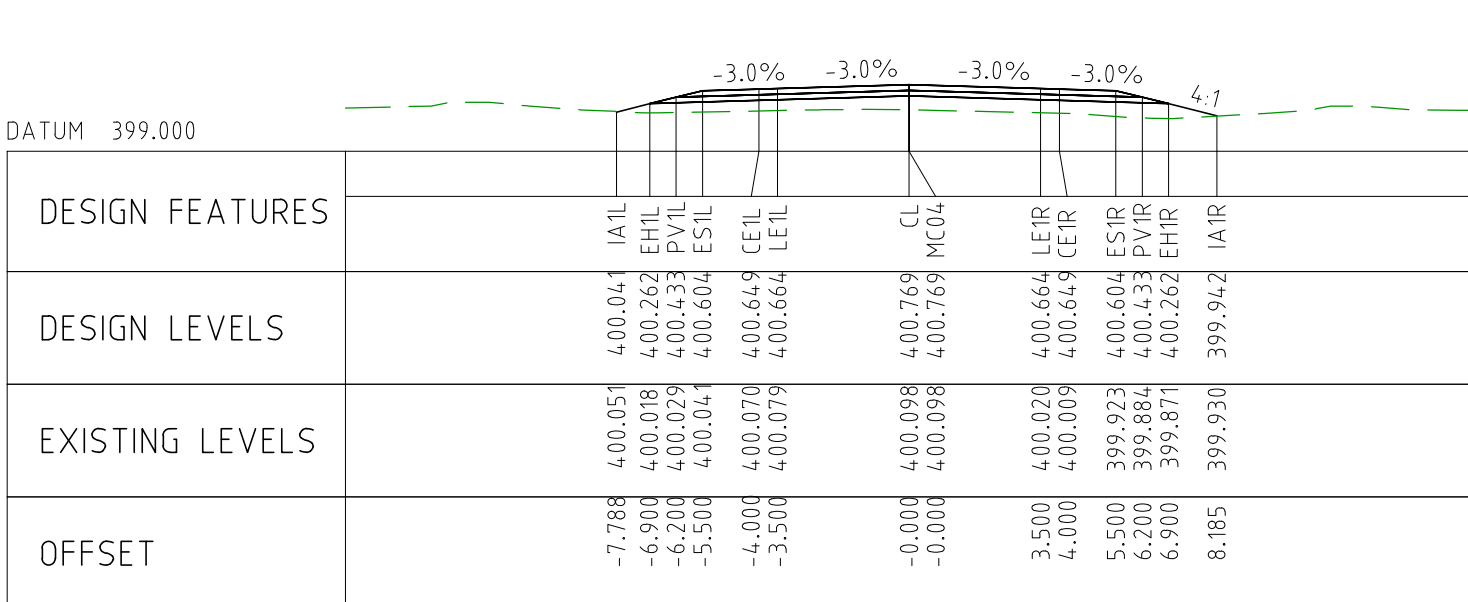
CHAINAGE 84150



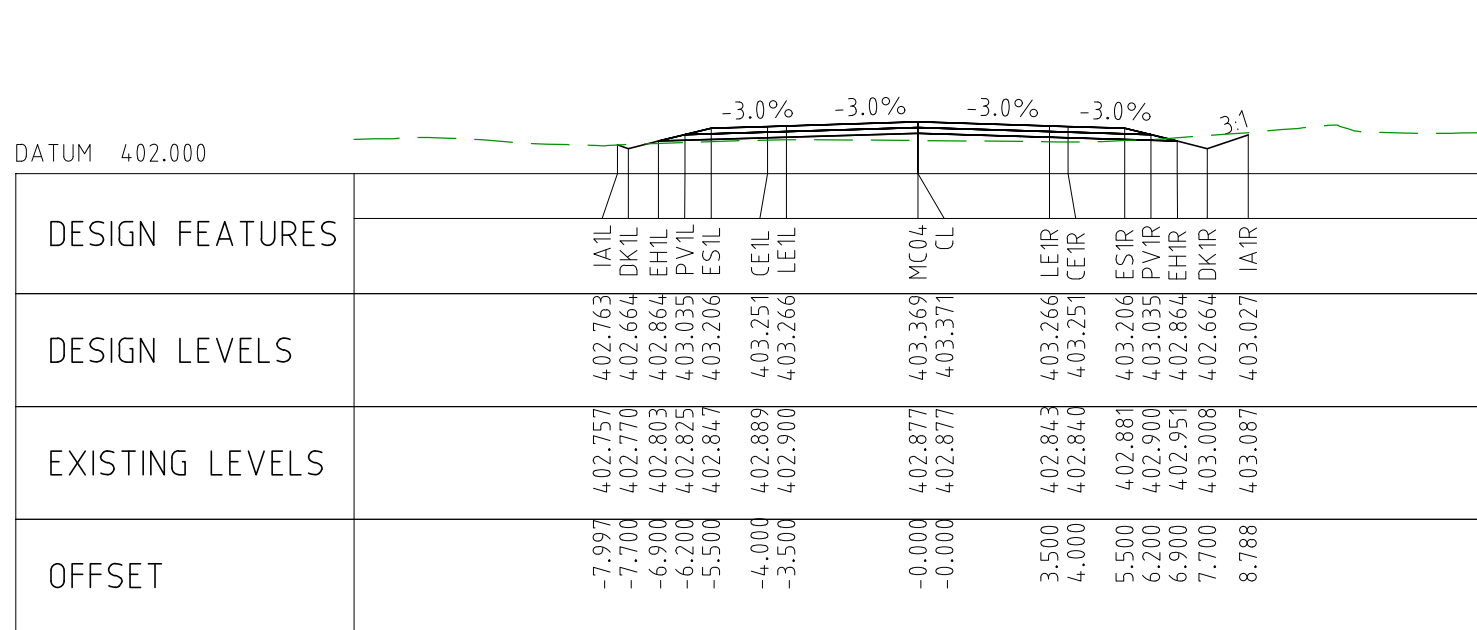
CHAINAGE 84400



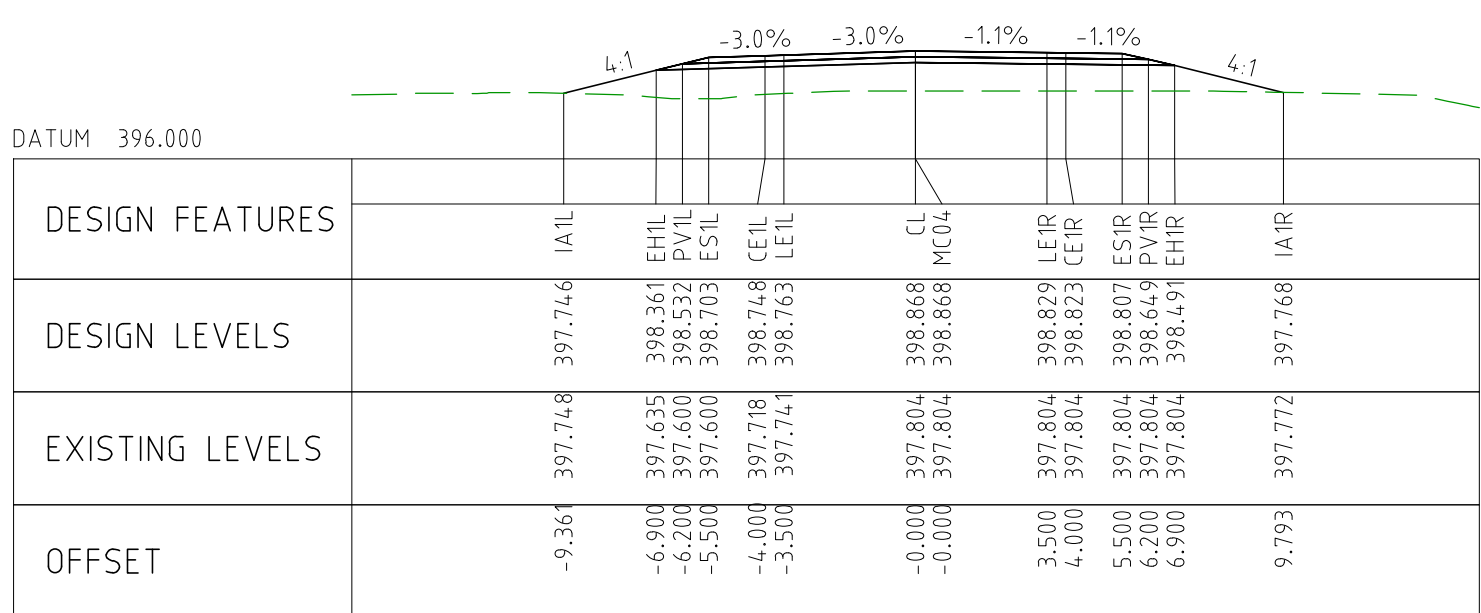
CHAINAGE 83850



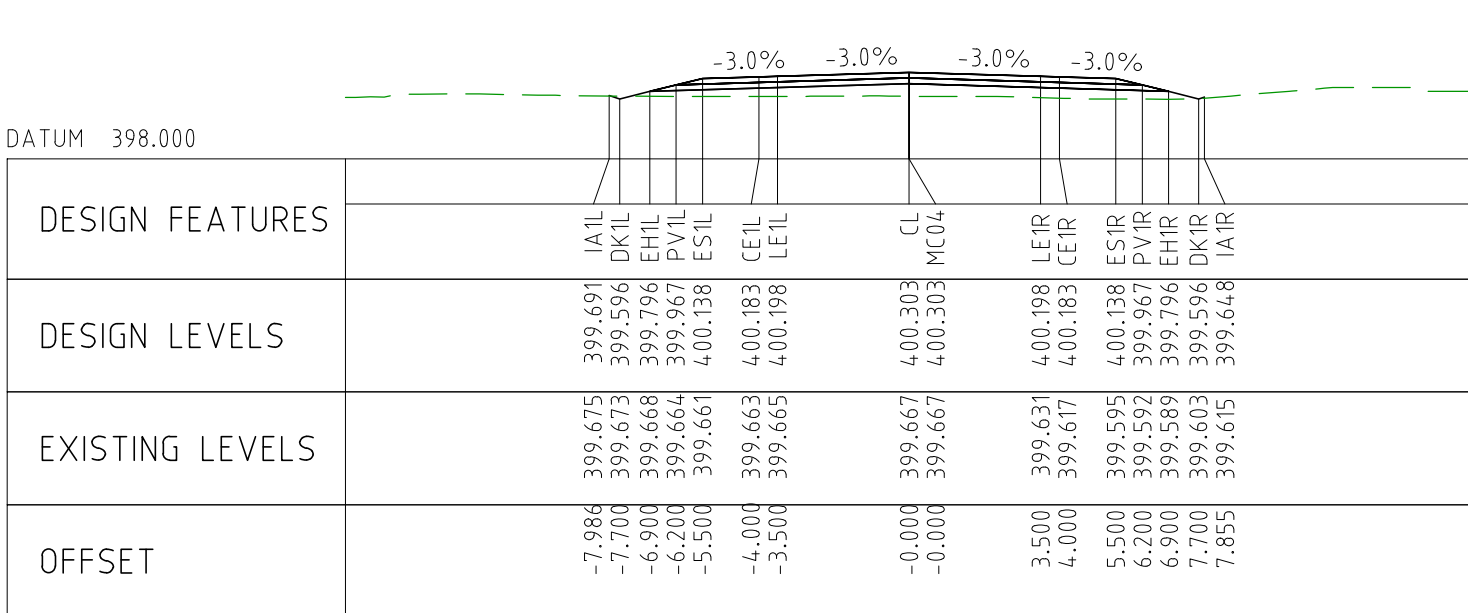
CHAINAGE 84100



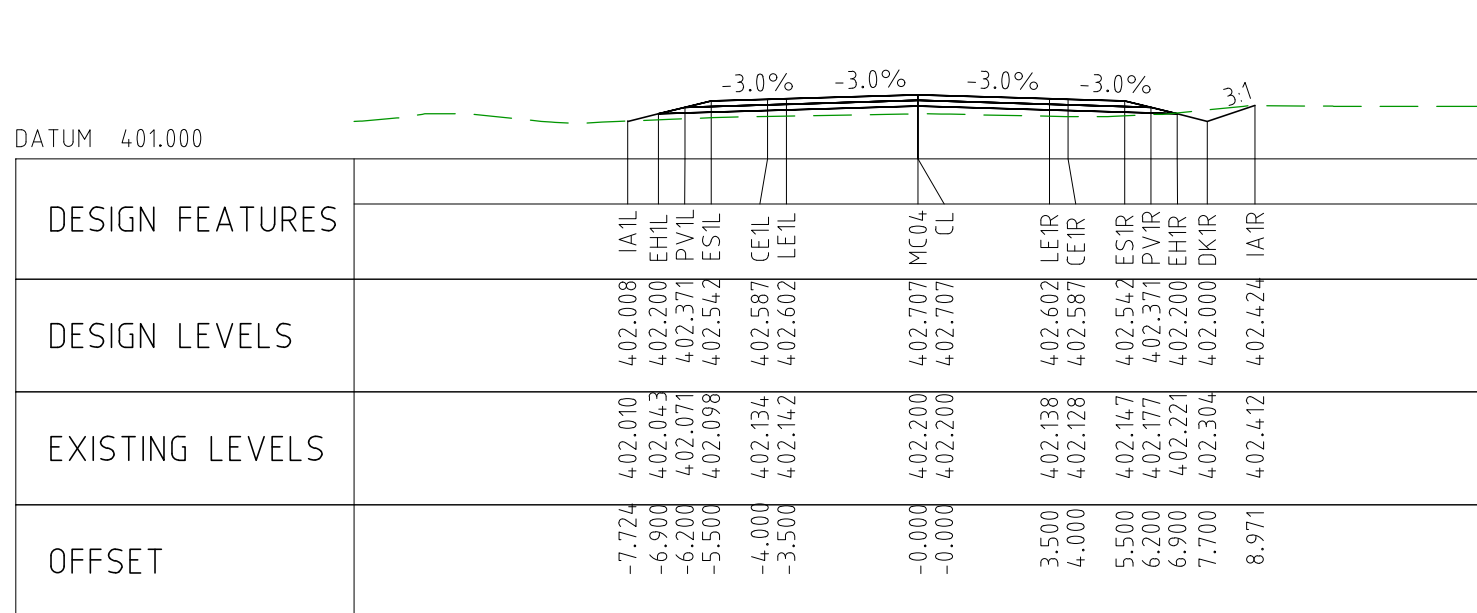
CHAINAGE 84350

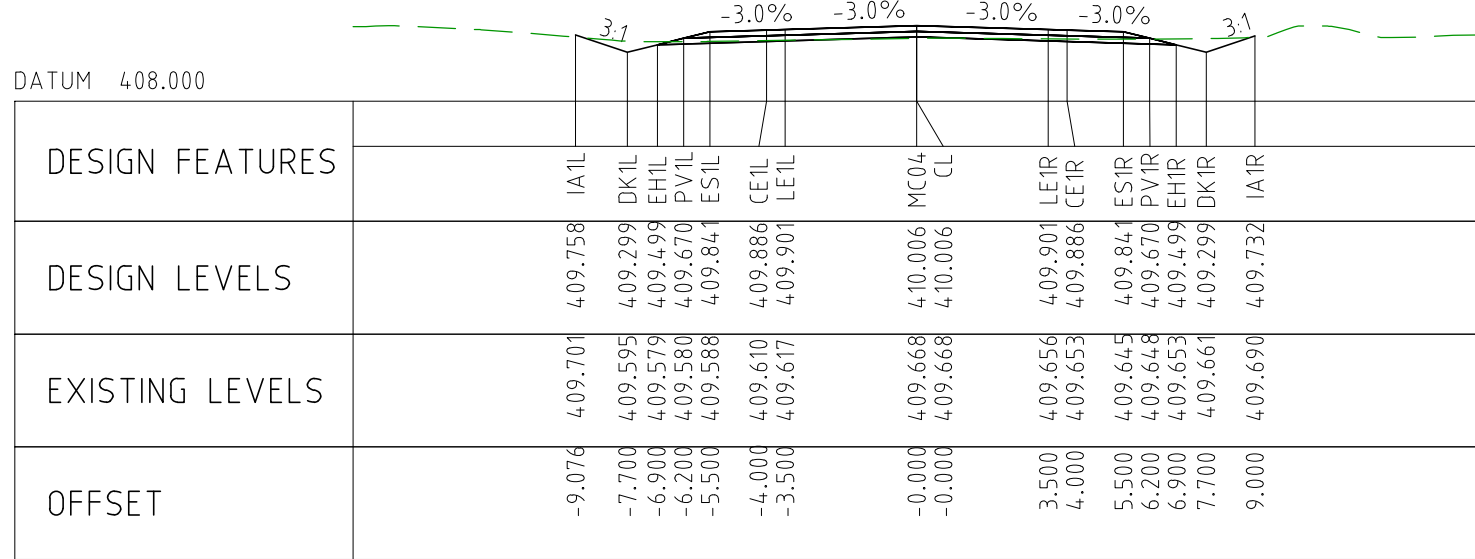


CHAINAGE 83800

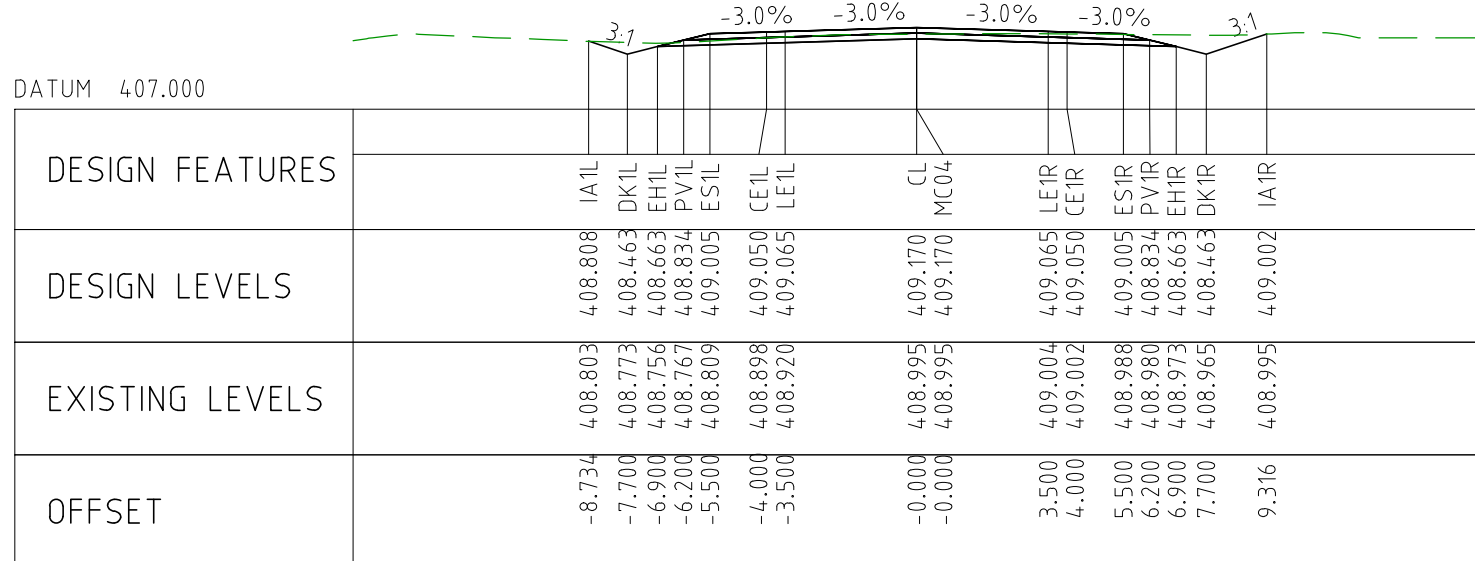


CHAINAGE 84050

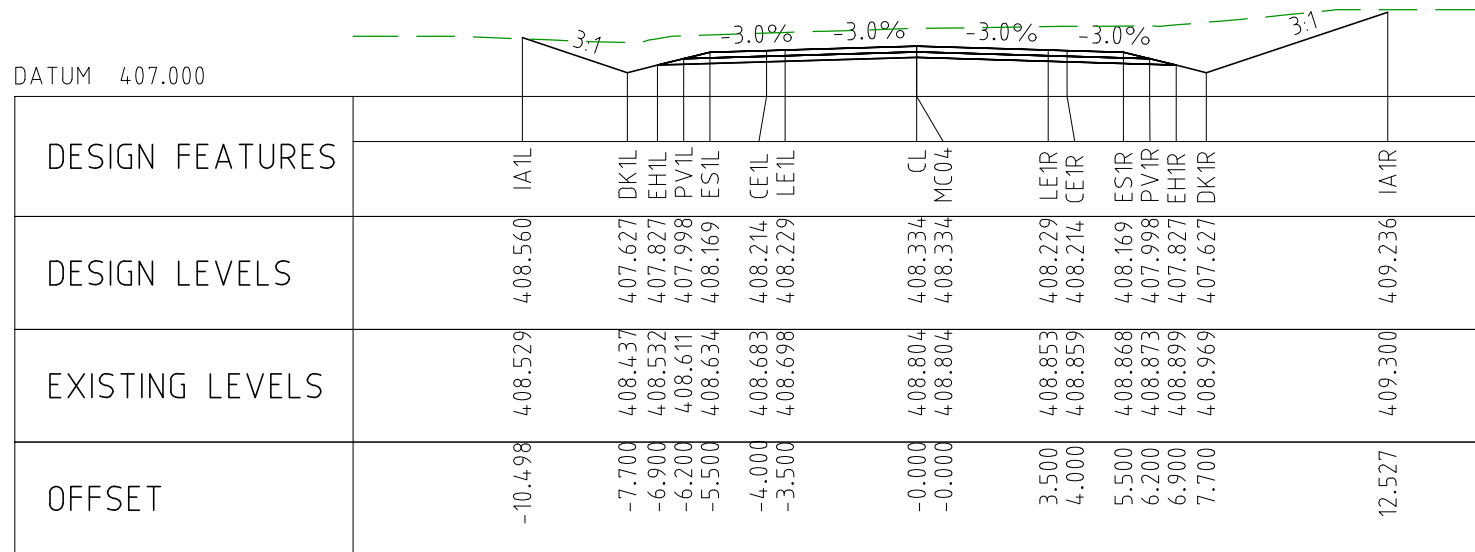




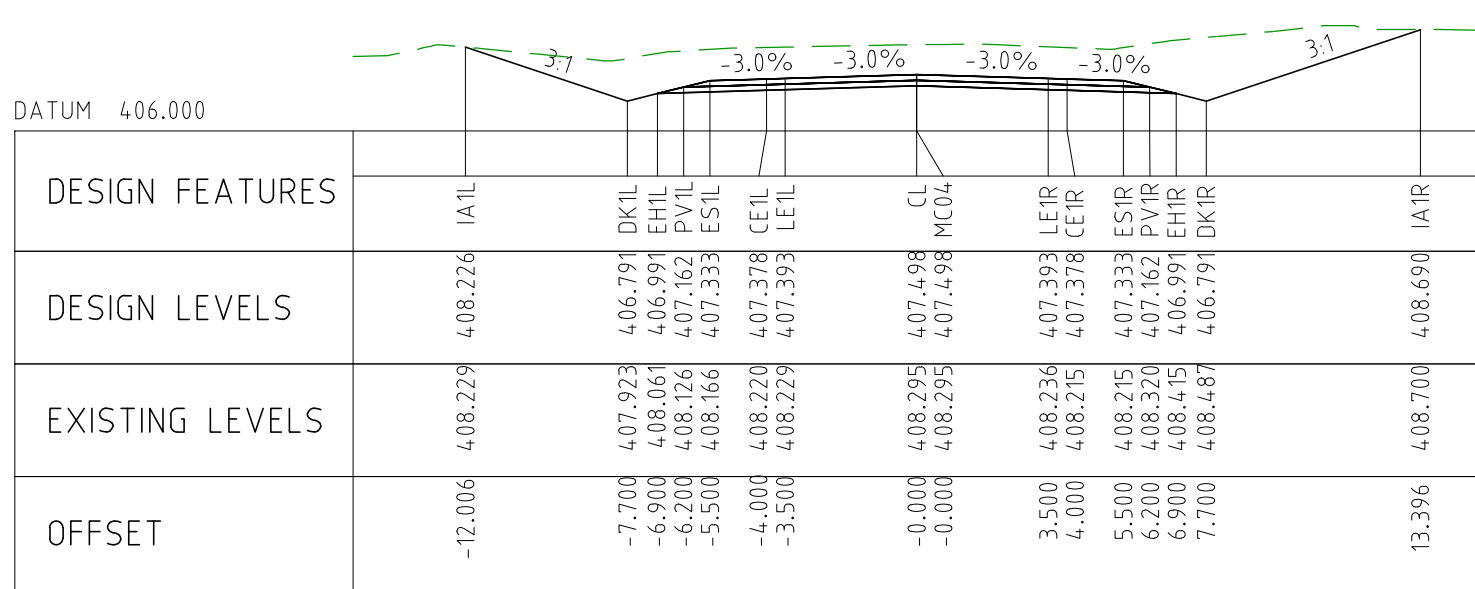
CHAINAGE 84750



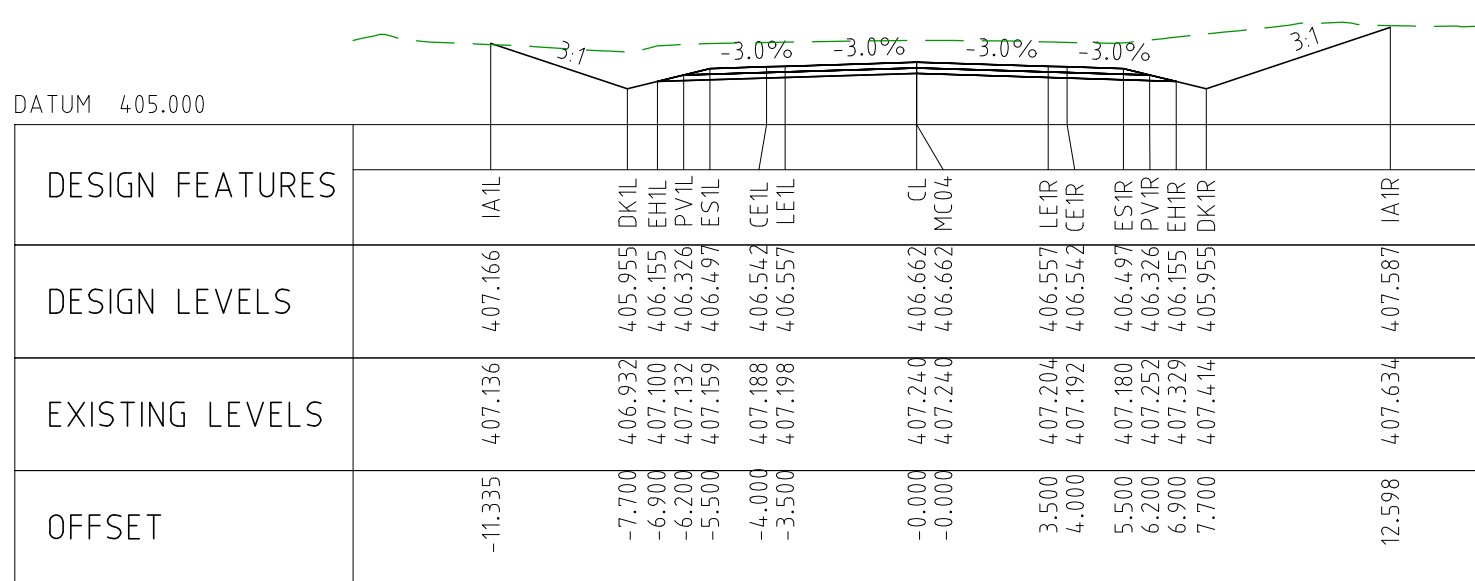
CHAINAGE 84700



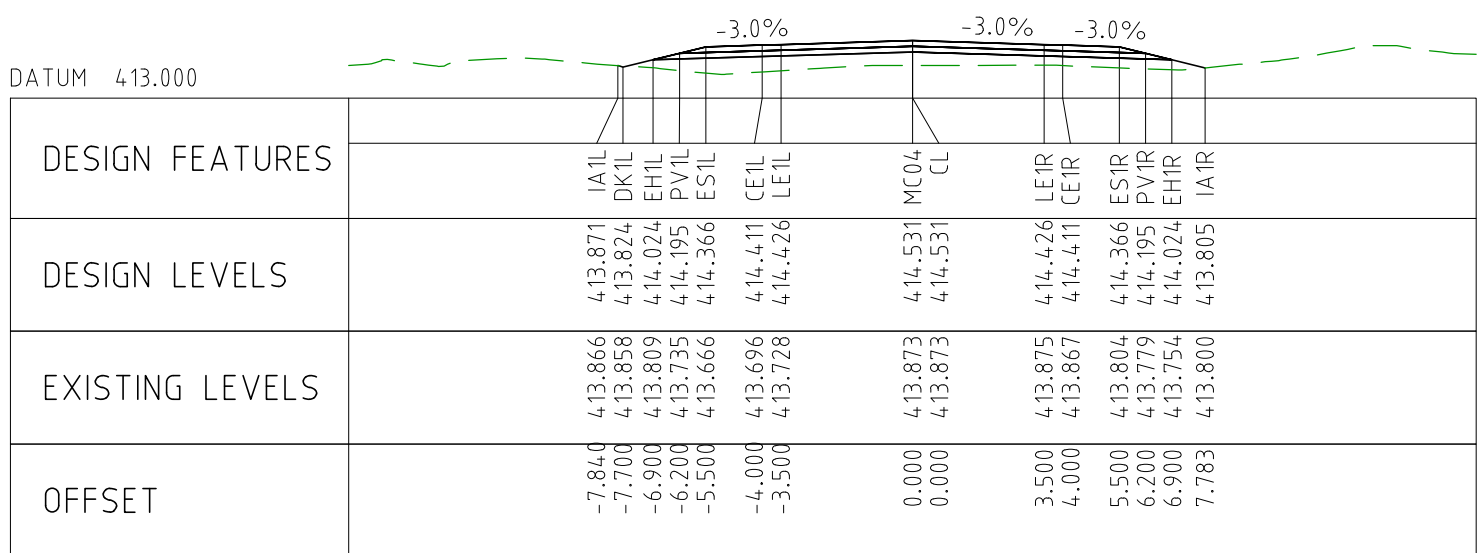
CHAINAGE 84650



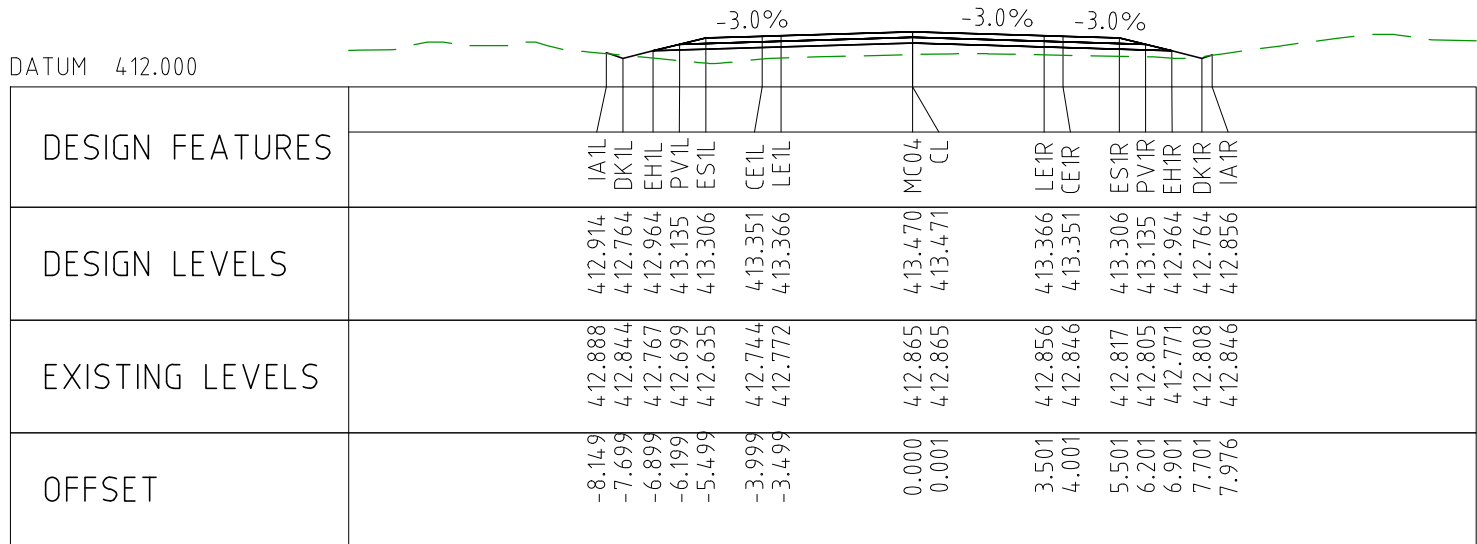
CHAINAGE 84600



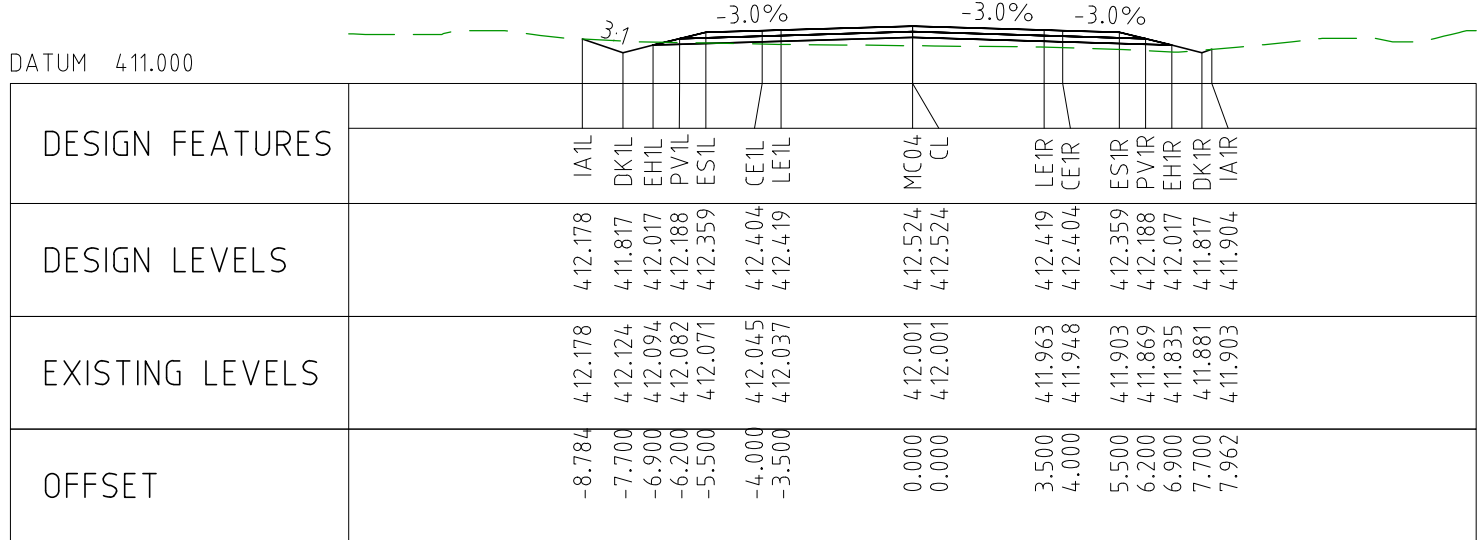
CHAINAGE 84550



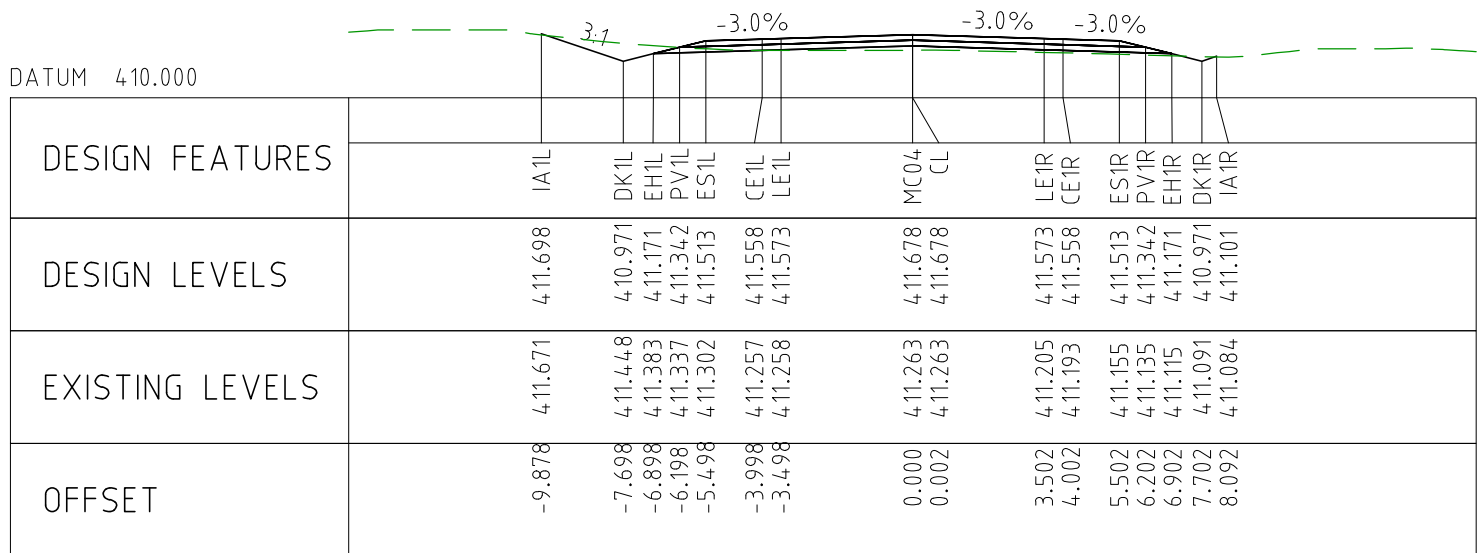
CHAINAGE 85000



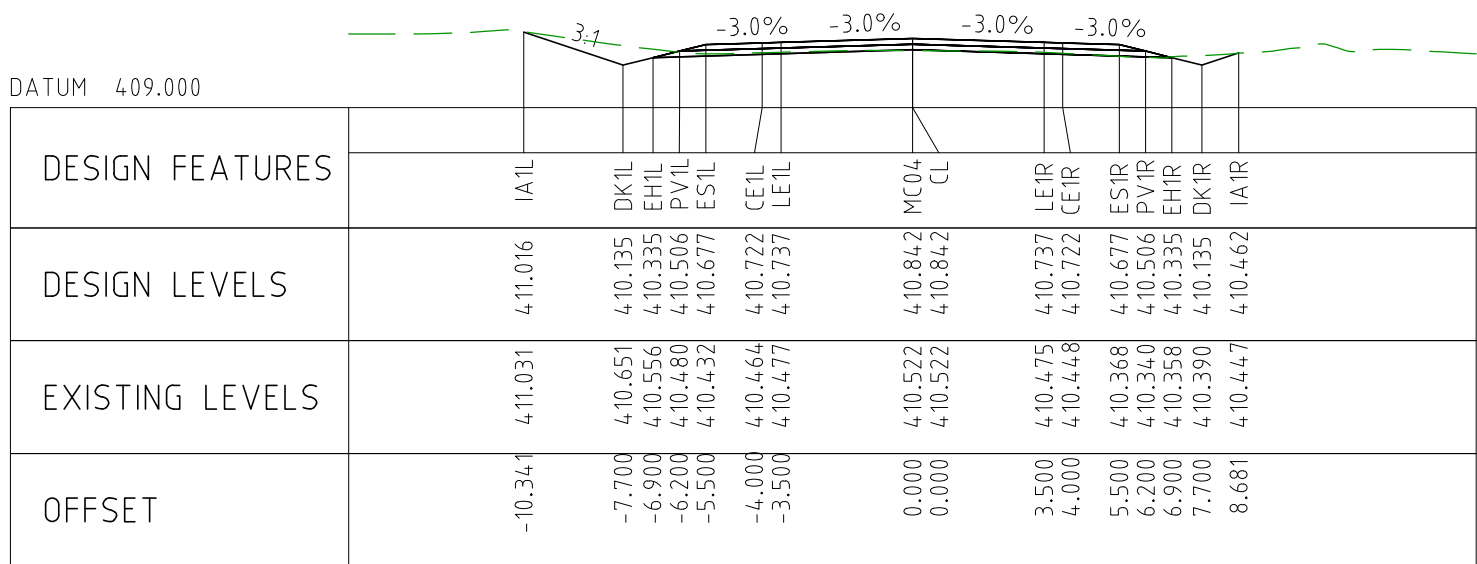
CHAINAGE 84950



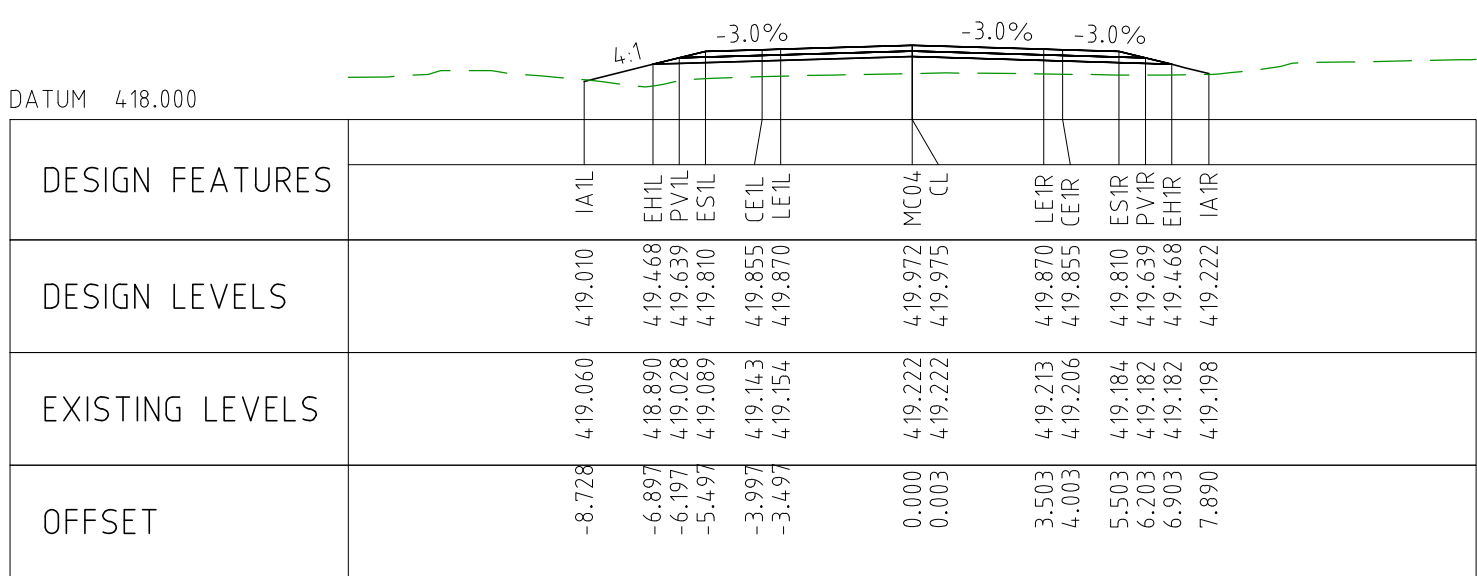
CHAINAGE 84900



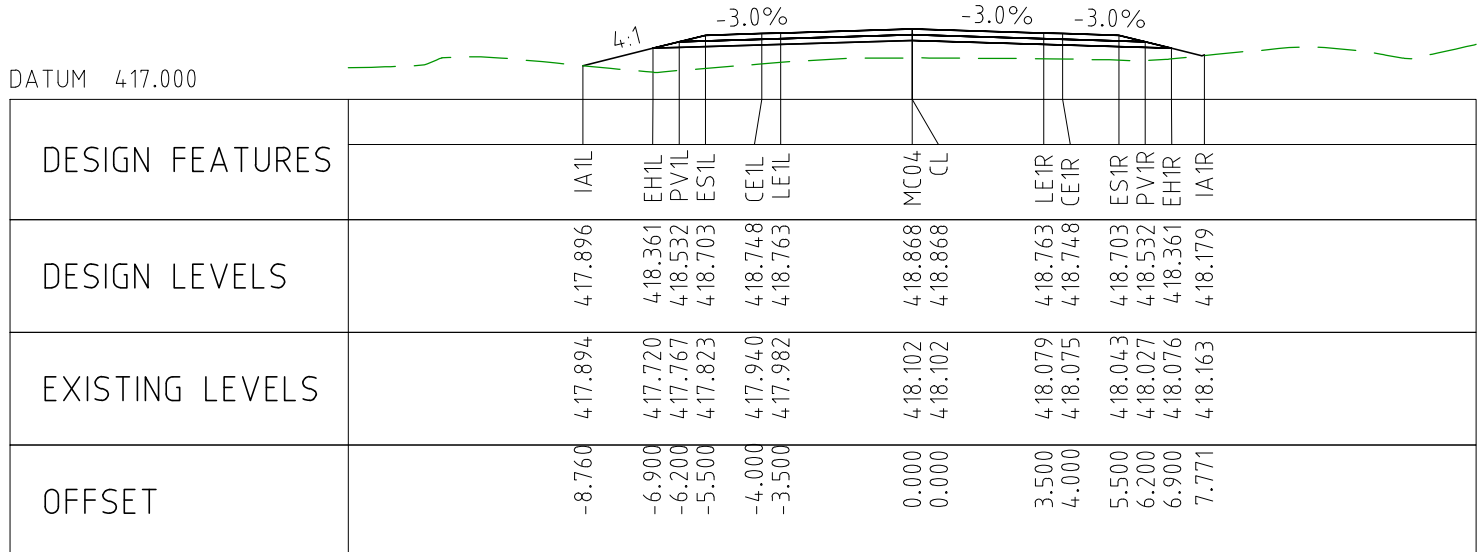
CHAINAGE 84850



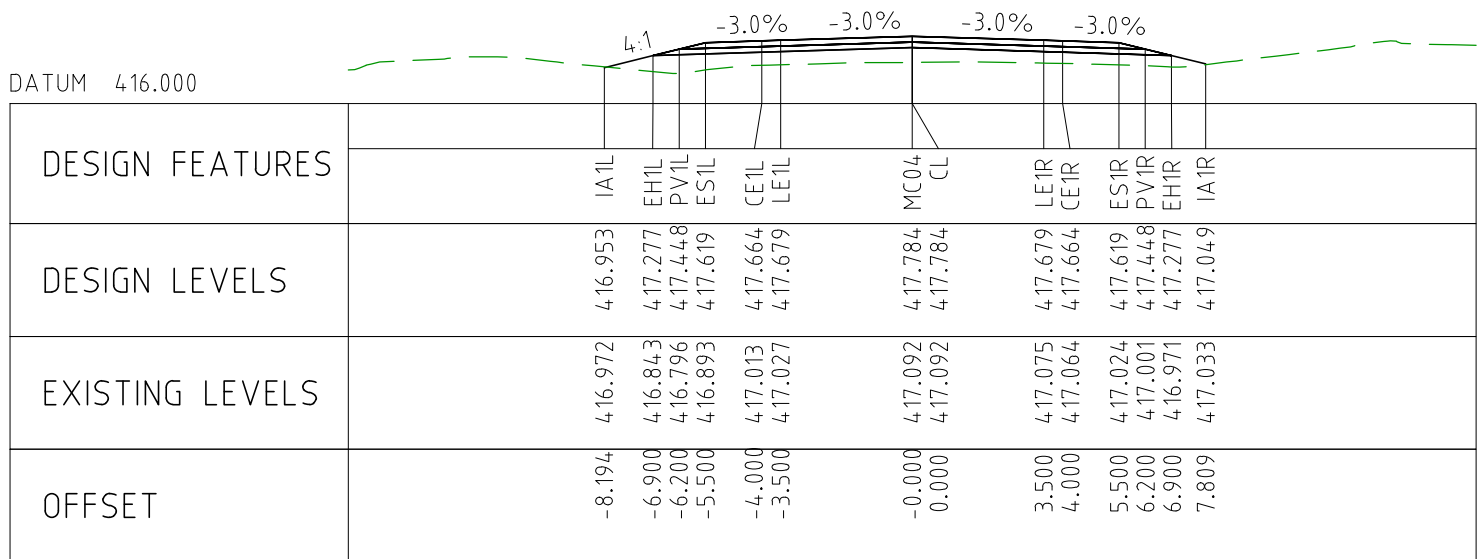
CHAINAGE 84800



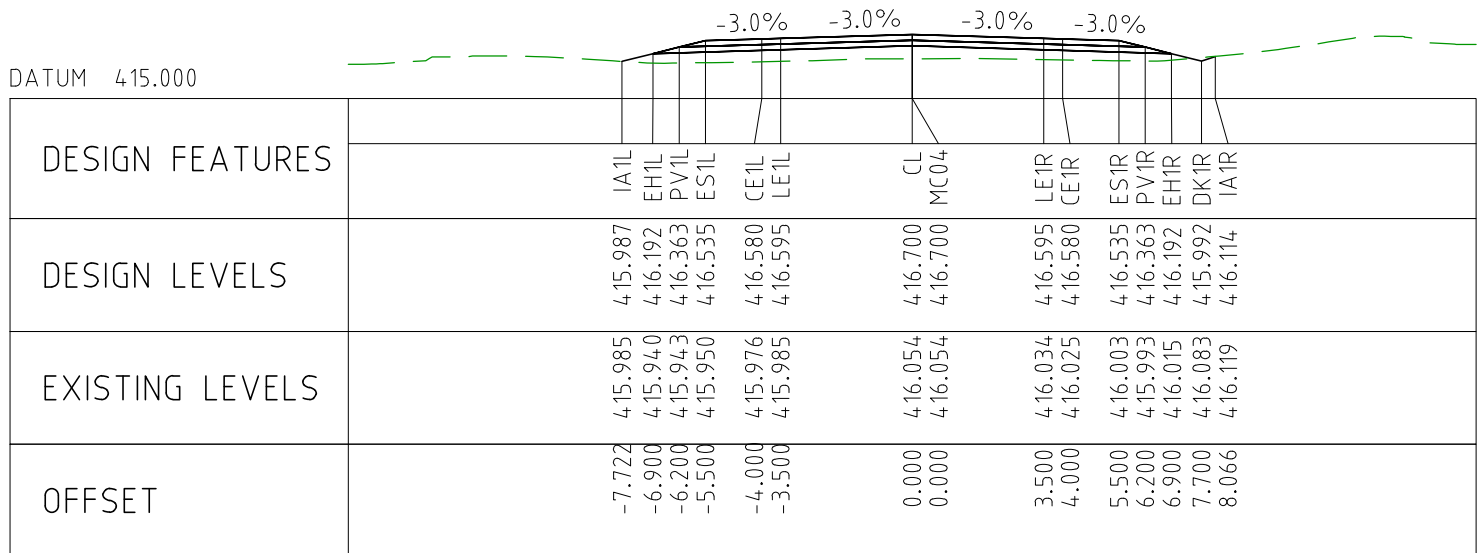
CHAINAGE 85250



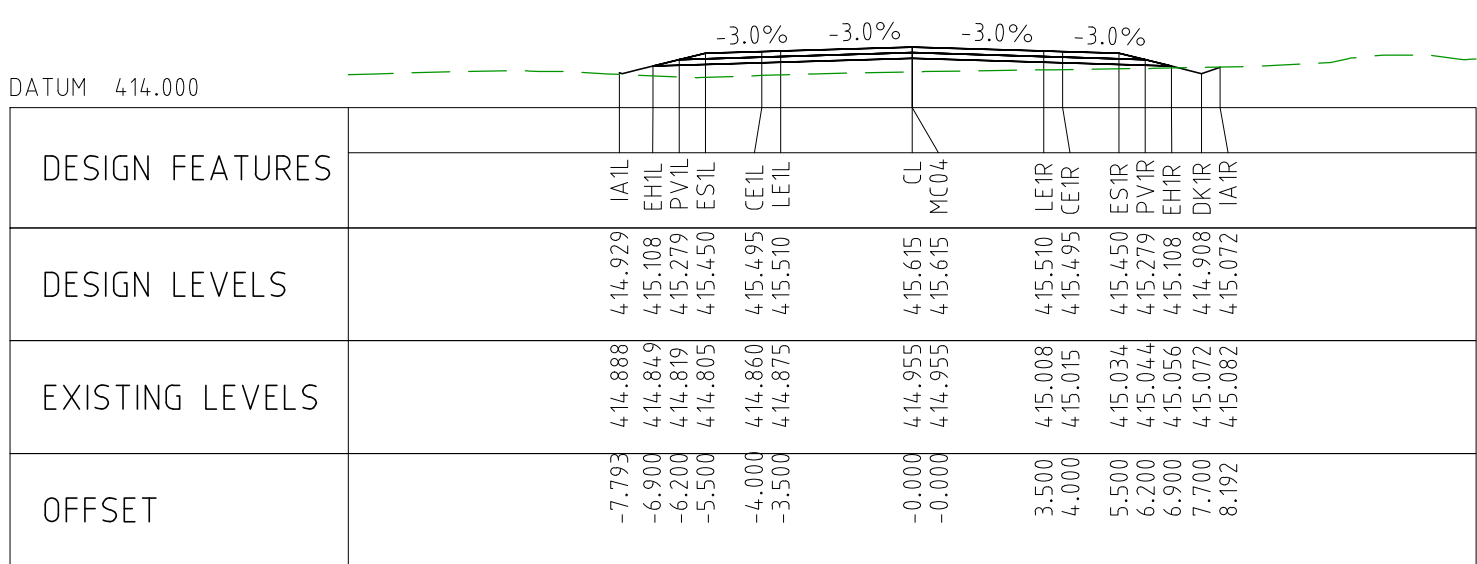
CHAINAGE 85200



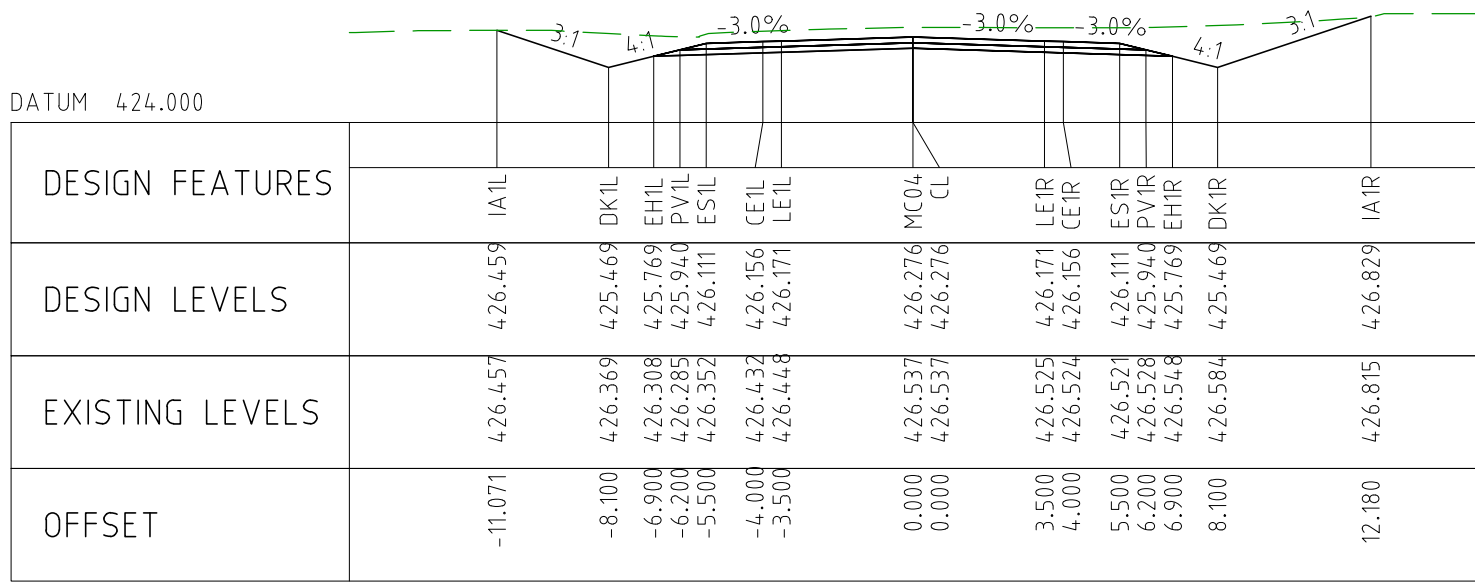
CHAINAGE 85150



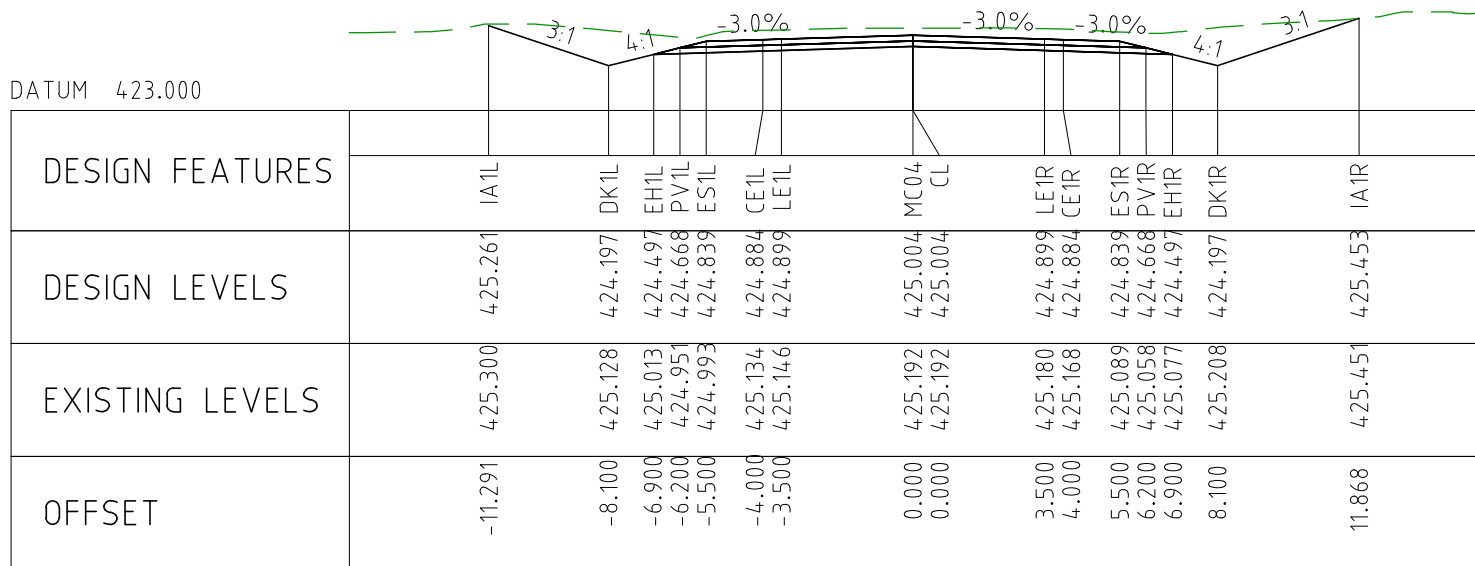
CHAINAGE 85100



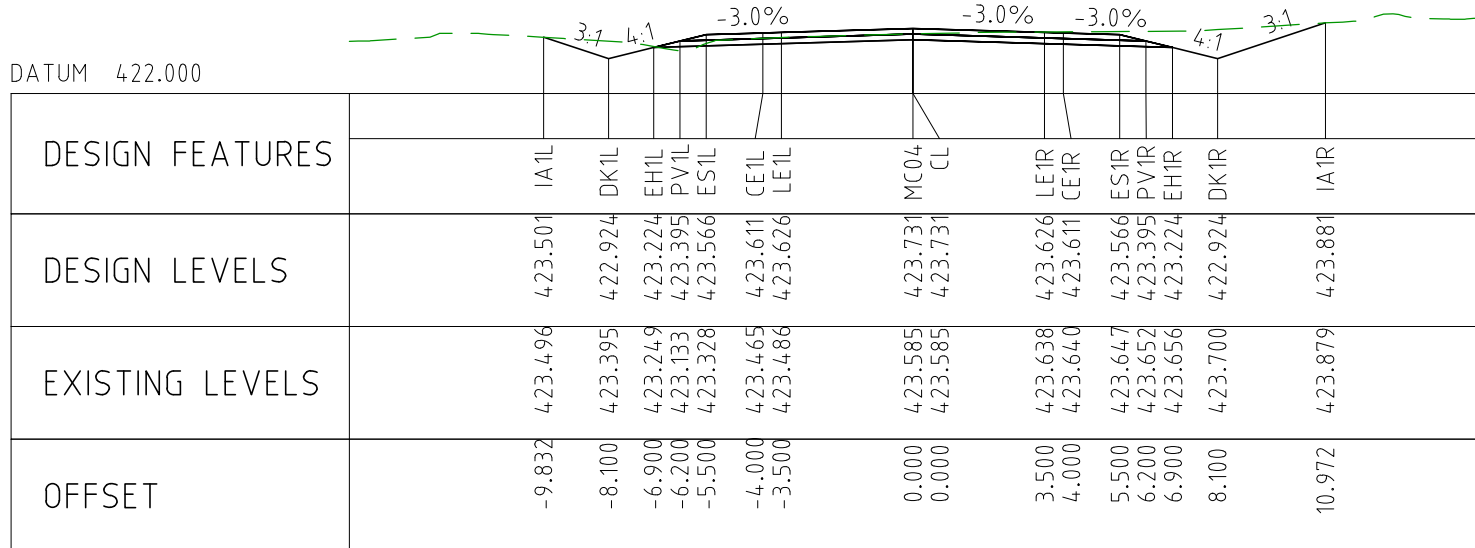
CHAINAGE 85050



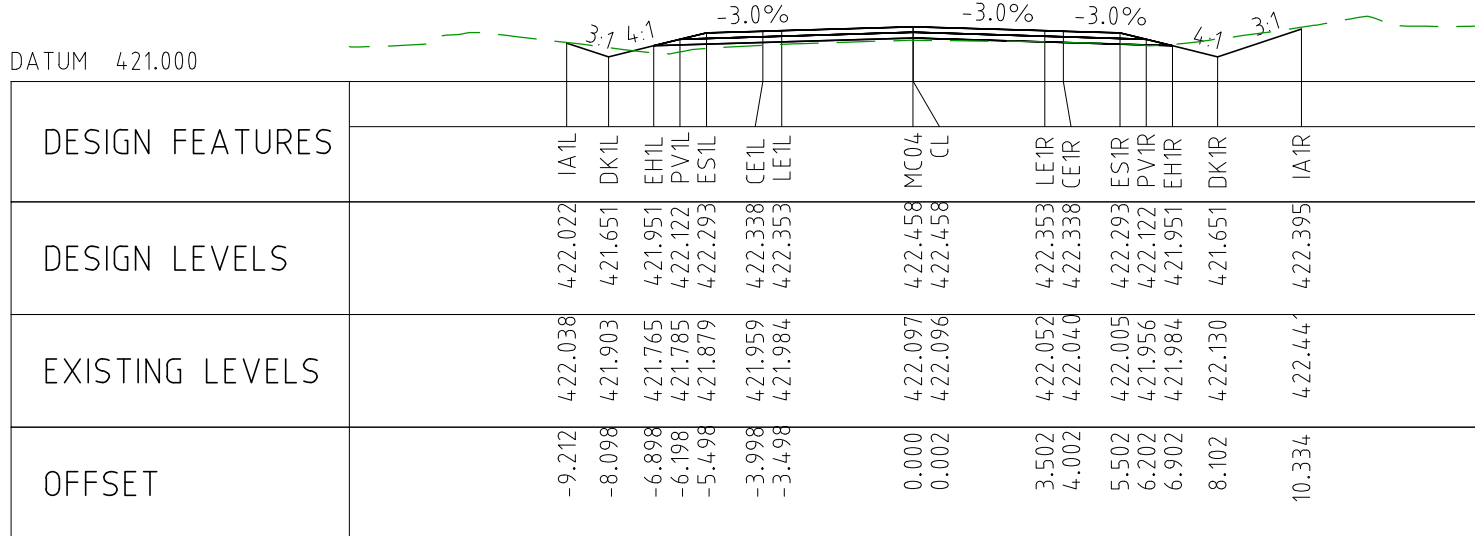
CHAINAGE 85500



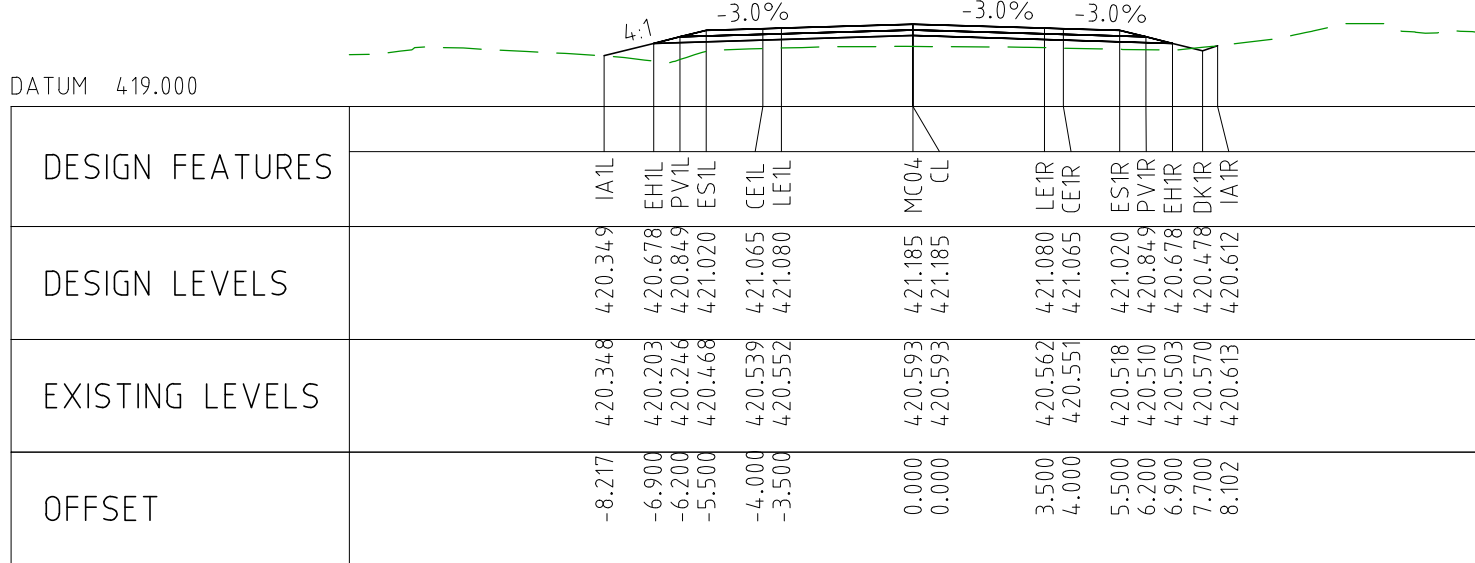
CHAINAGE 85450



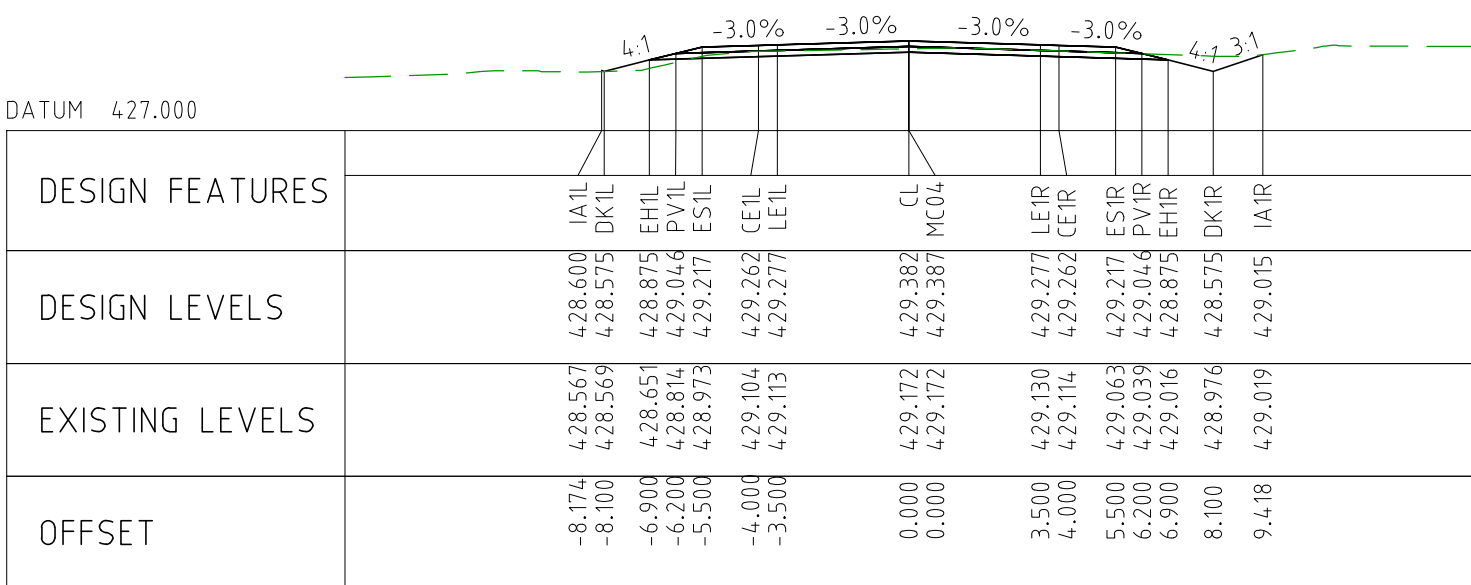
CHAINAGE 85400



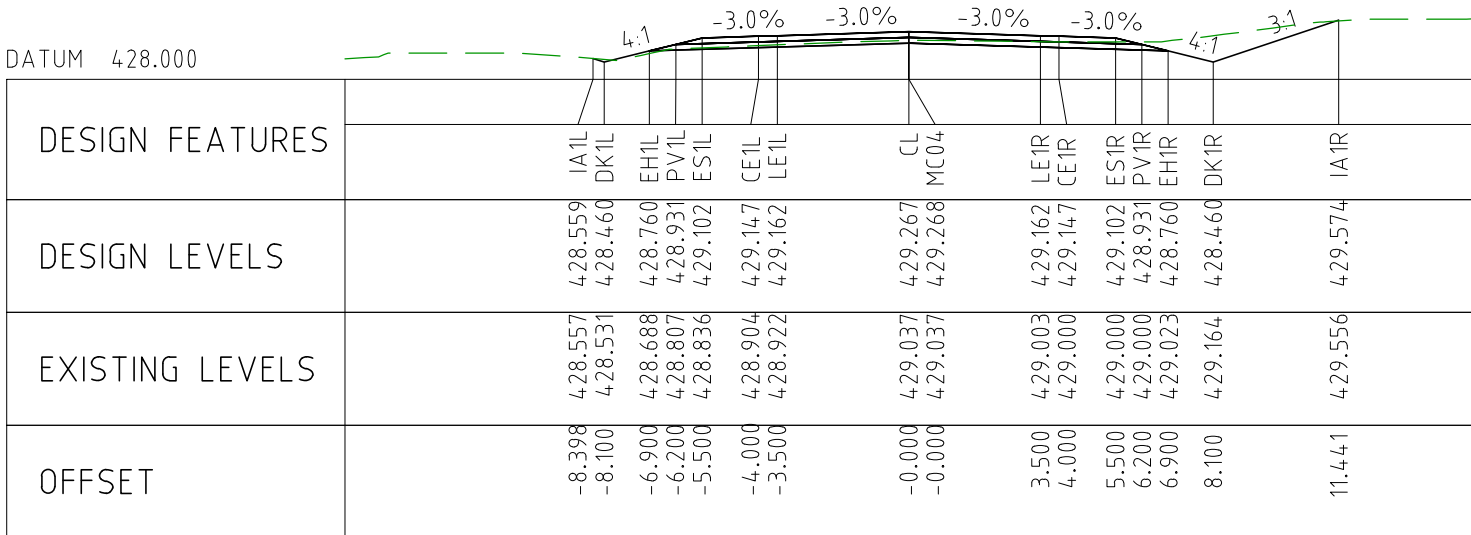
CHAINAGE 85350



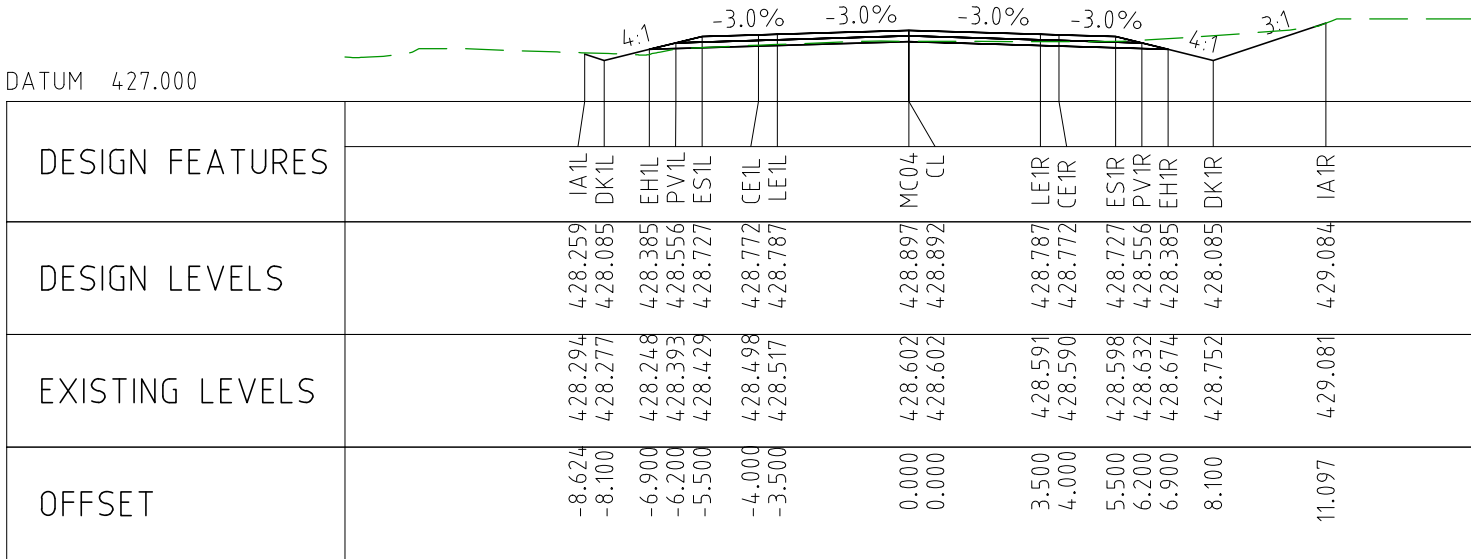
CHAINAGE 85300



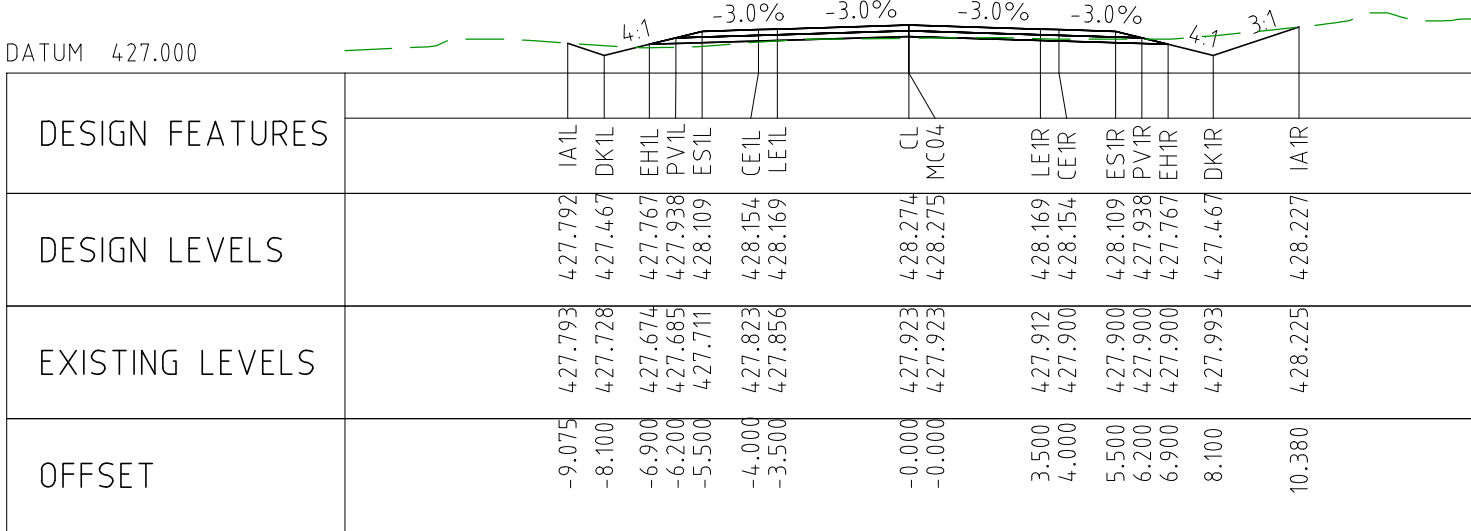
CHAINAGE 85750



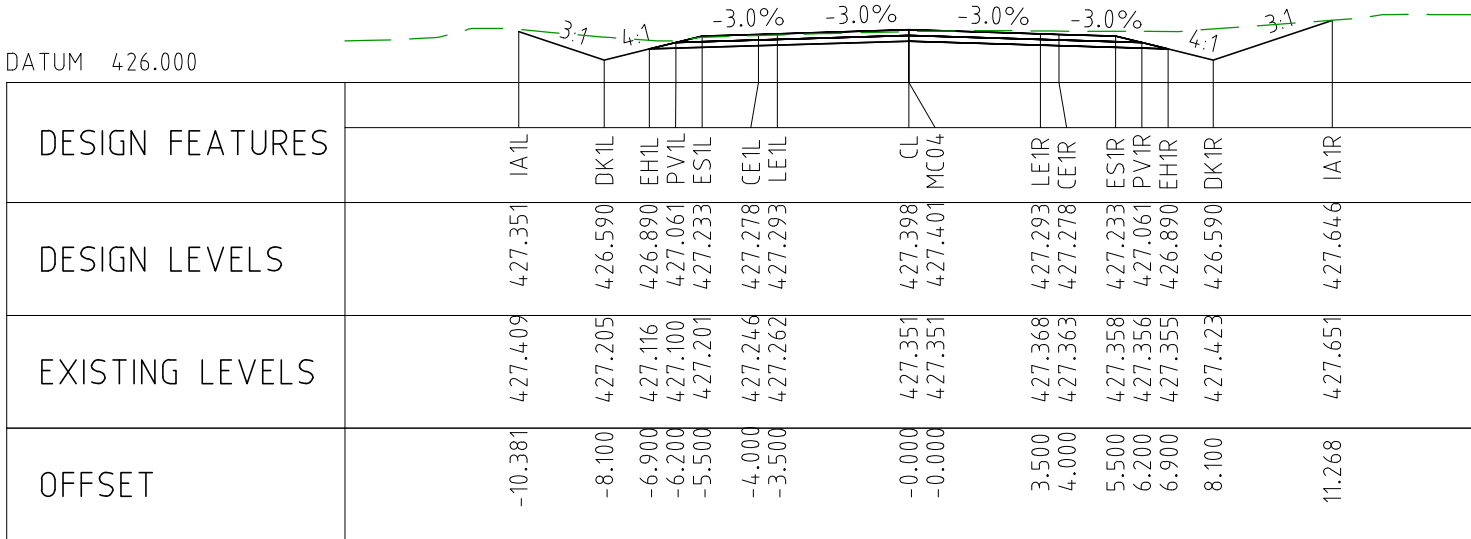
CHAINAGE 85700



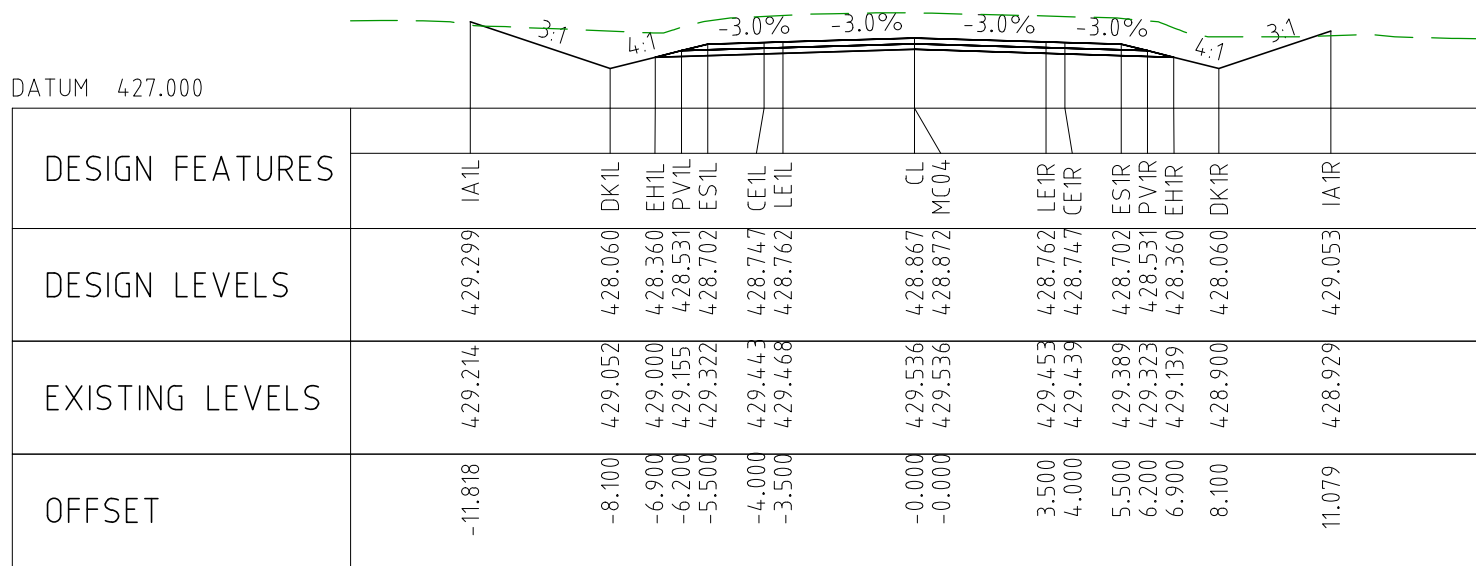
CHAINAGE 85650



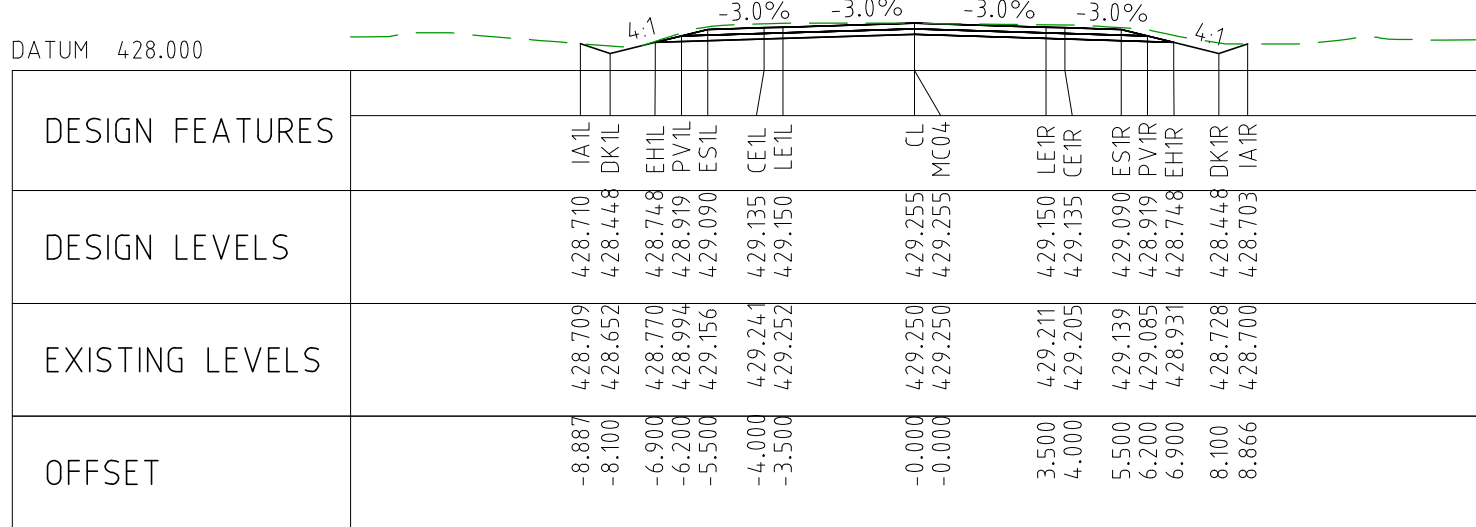
CHAINAGE 85600



CHAINAGE 85550



CHAINAGE 85850



CHAINAGE 85800

CHAINAGE	86050
----------	-------

OFFSET	-8.1	-6.1	-5.5	-4.1	-3.5	-0.0	-0.0	3.5	4.0	5.5	6.2	6.9	8.1	19.1
--------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	------

OFFSET	-22.0	-8.1	-6.5	-6.2	-5.5	-4.0	-3.5	-0.0	-0.0	3.5	4.0	5.5	6.2	6.9	8.1	17.8
--------	-------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	------

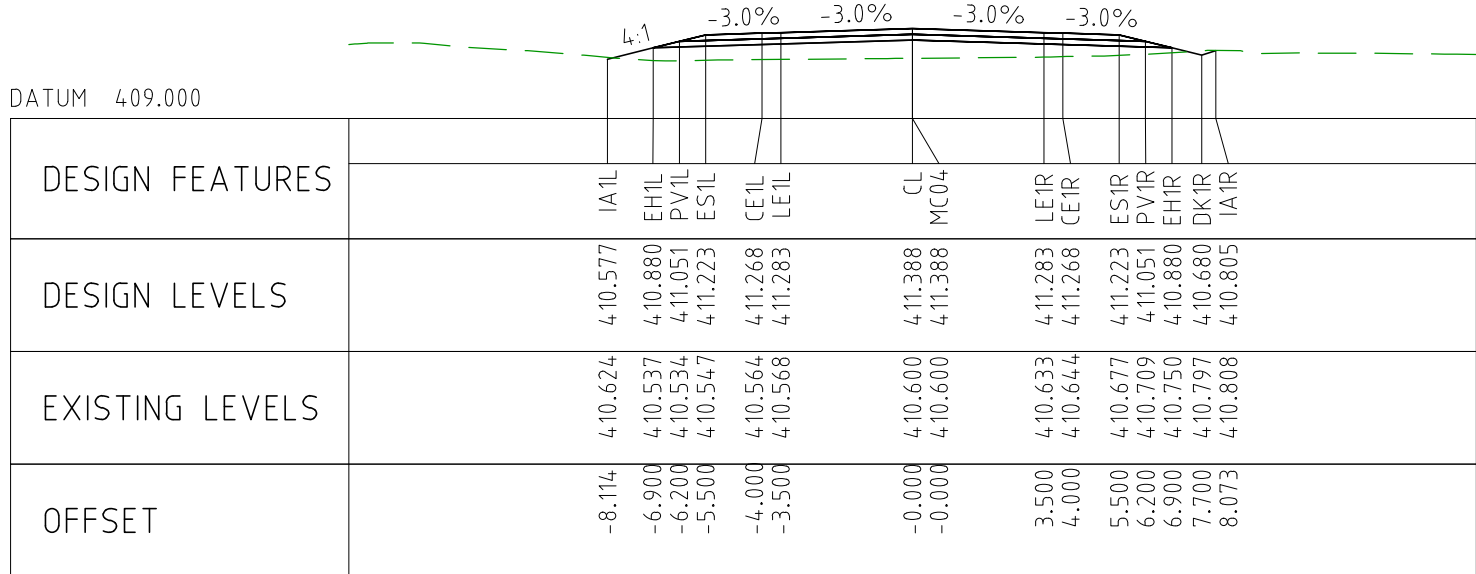
CHAINAGE	86300
----------	-------

CHAINAGE	86250
----------	-------

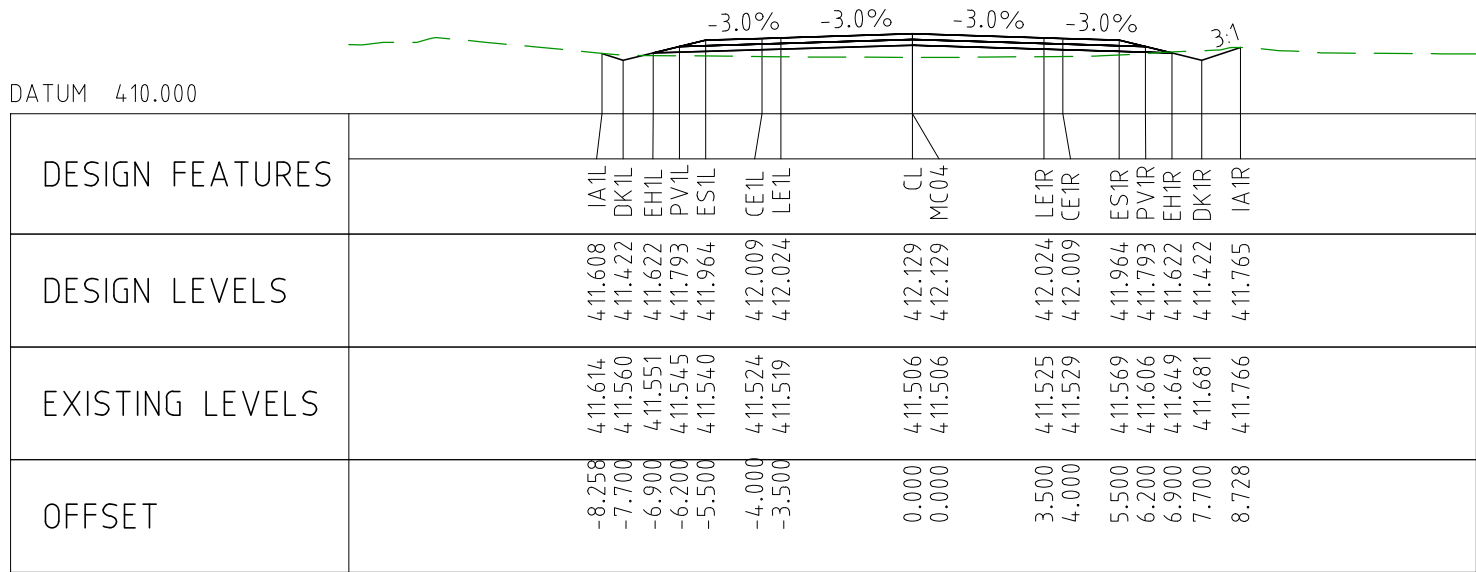
CHAINAGE	86200
----------	-------

CHAINAGE	86150
----------	-------

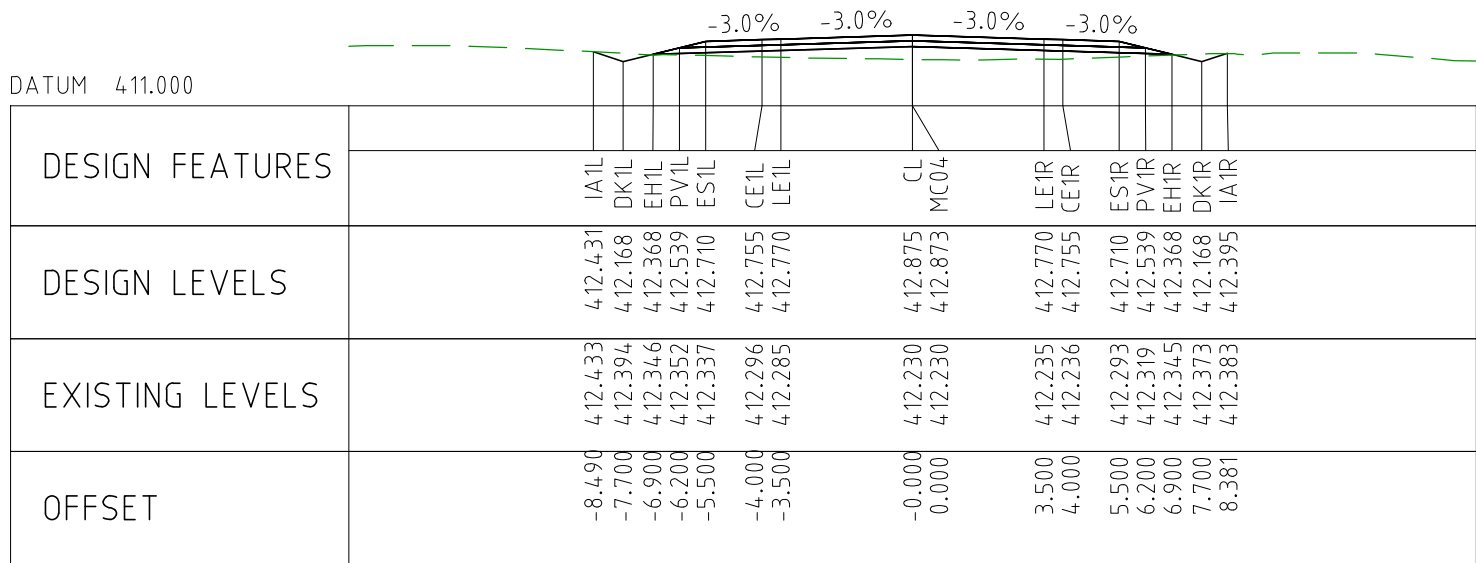
CHAINAGE	86100
----------	-------



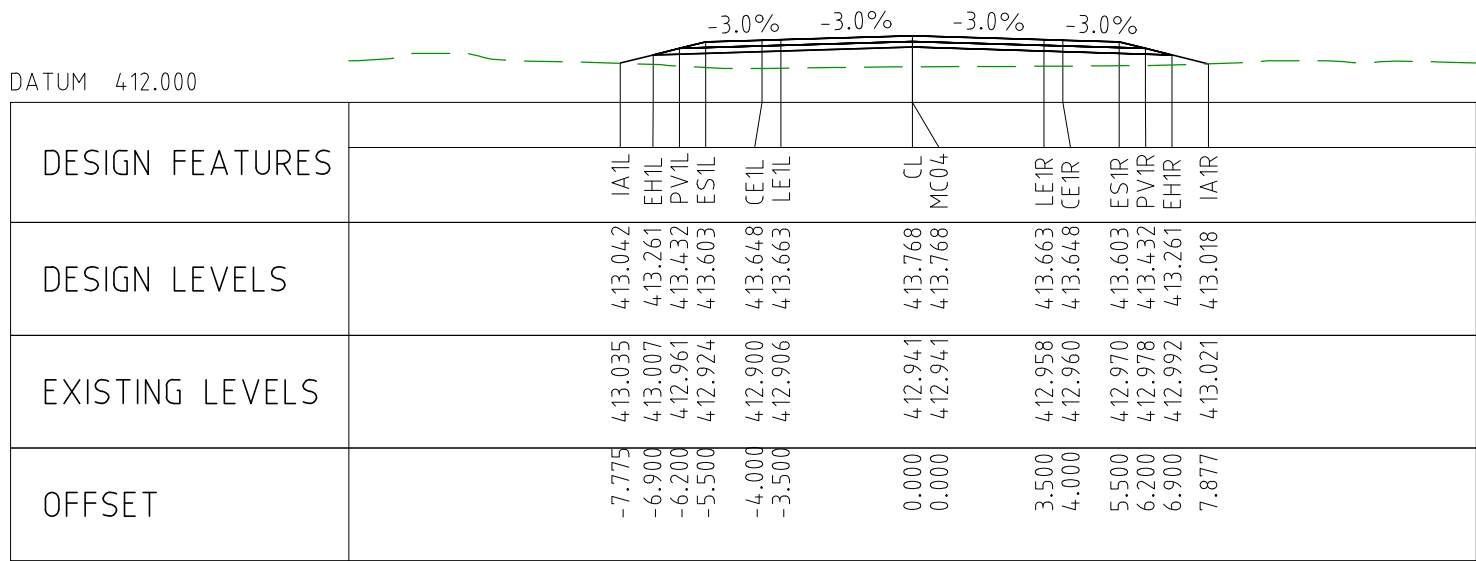
CHAINAGE 86550



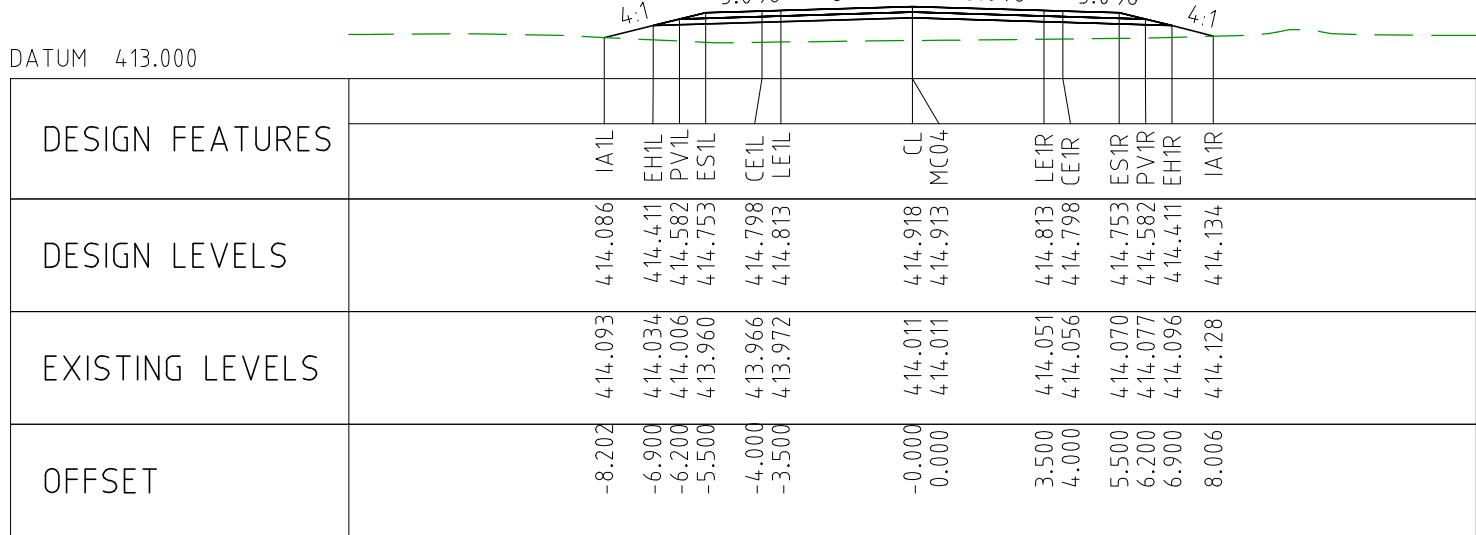
CHAINAGE 86500



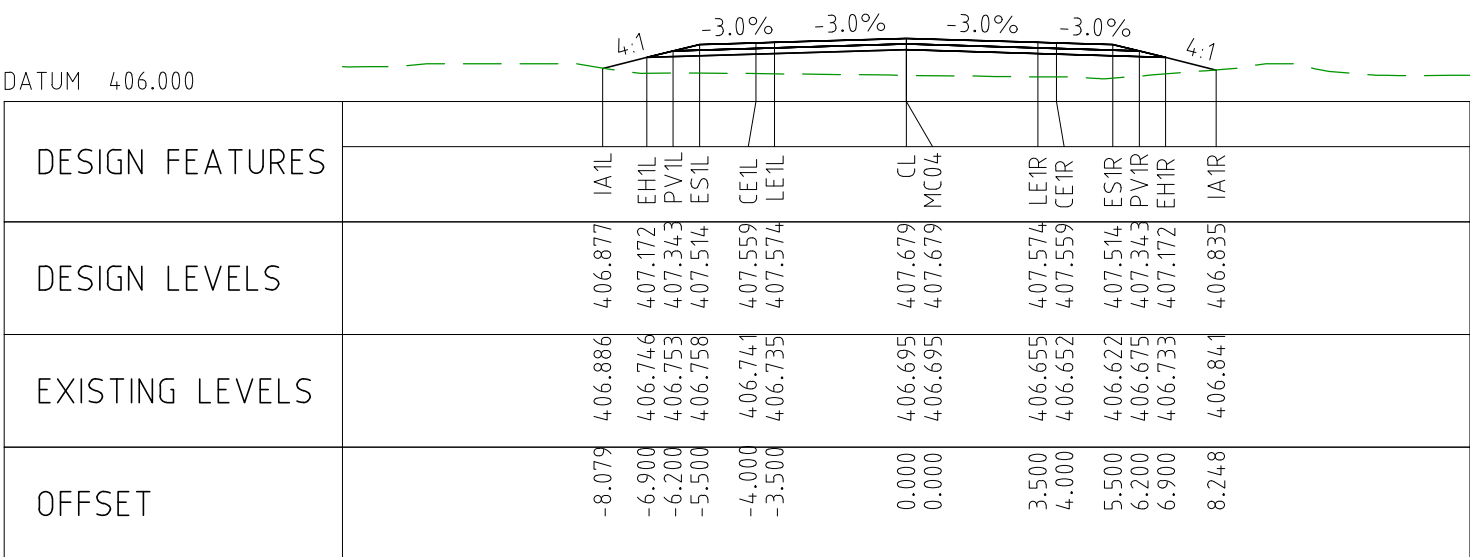
CHAINAGE 86450



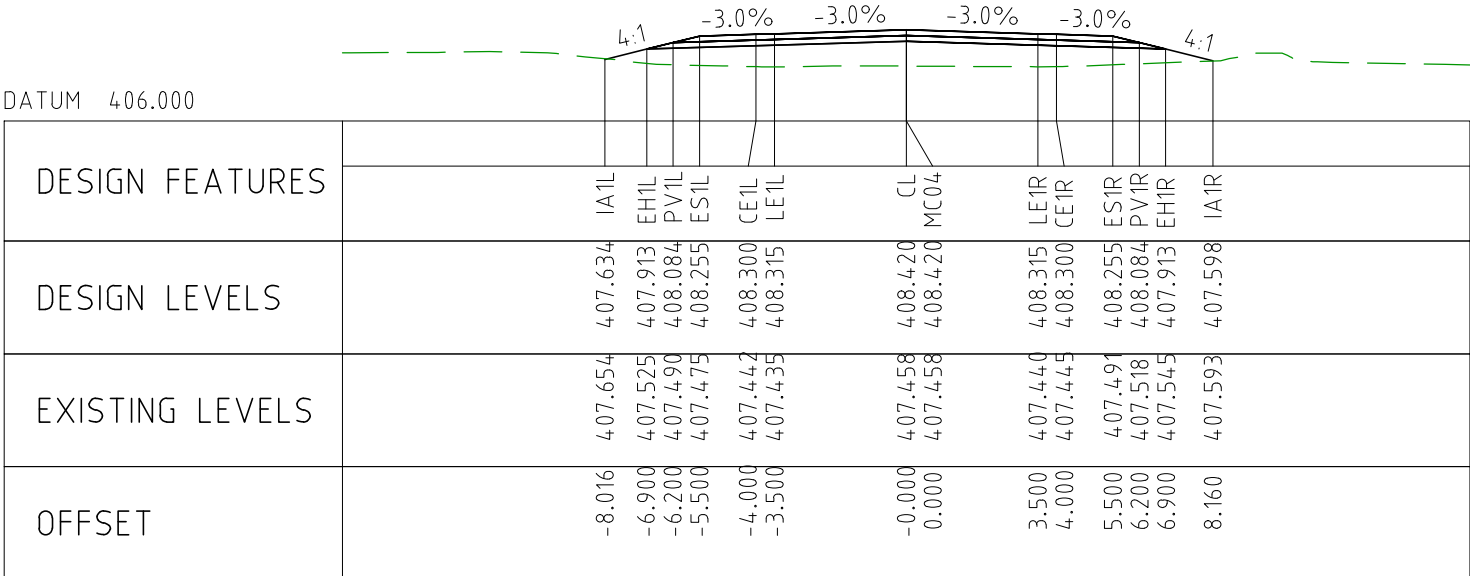
CHAINAGE 86400



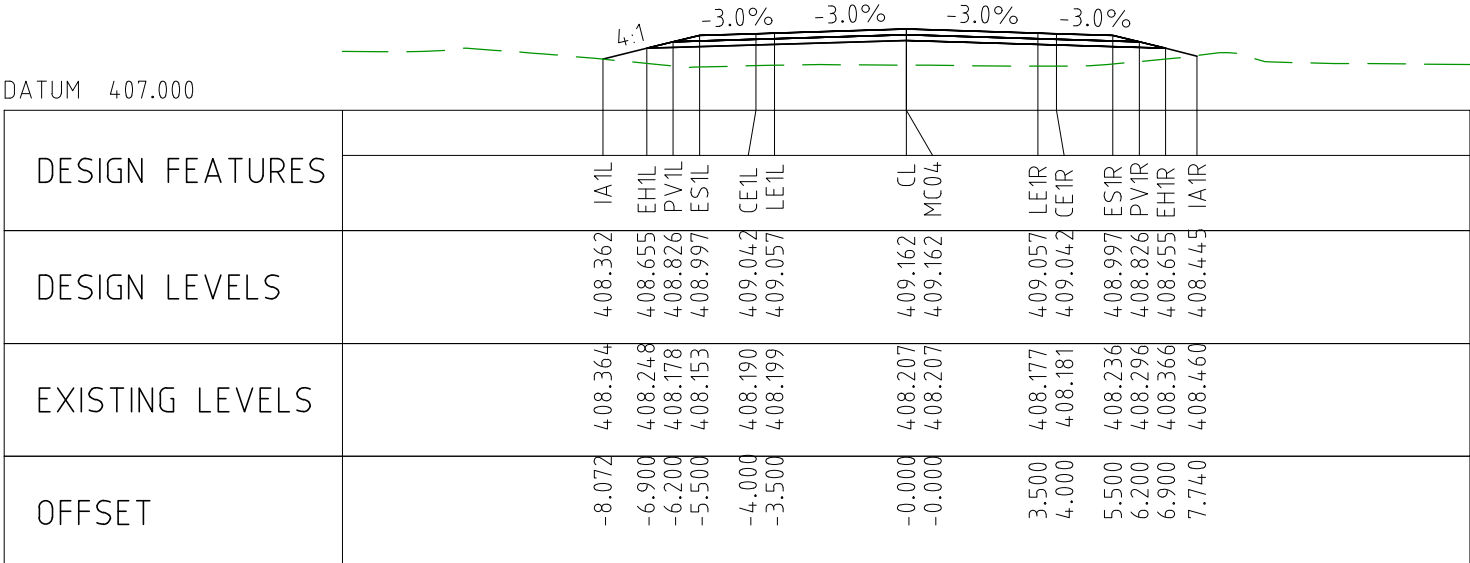
CHAINAGE 86350



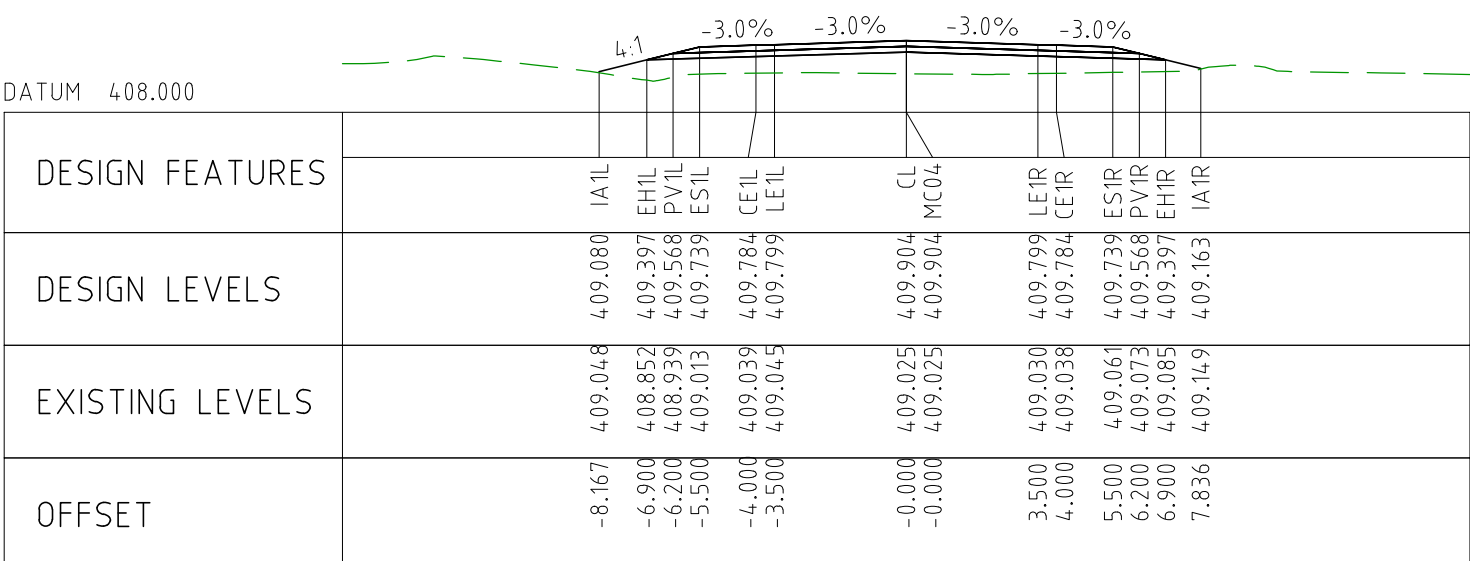
CHAINAGE 86800



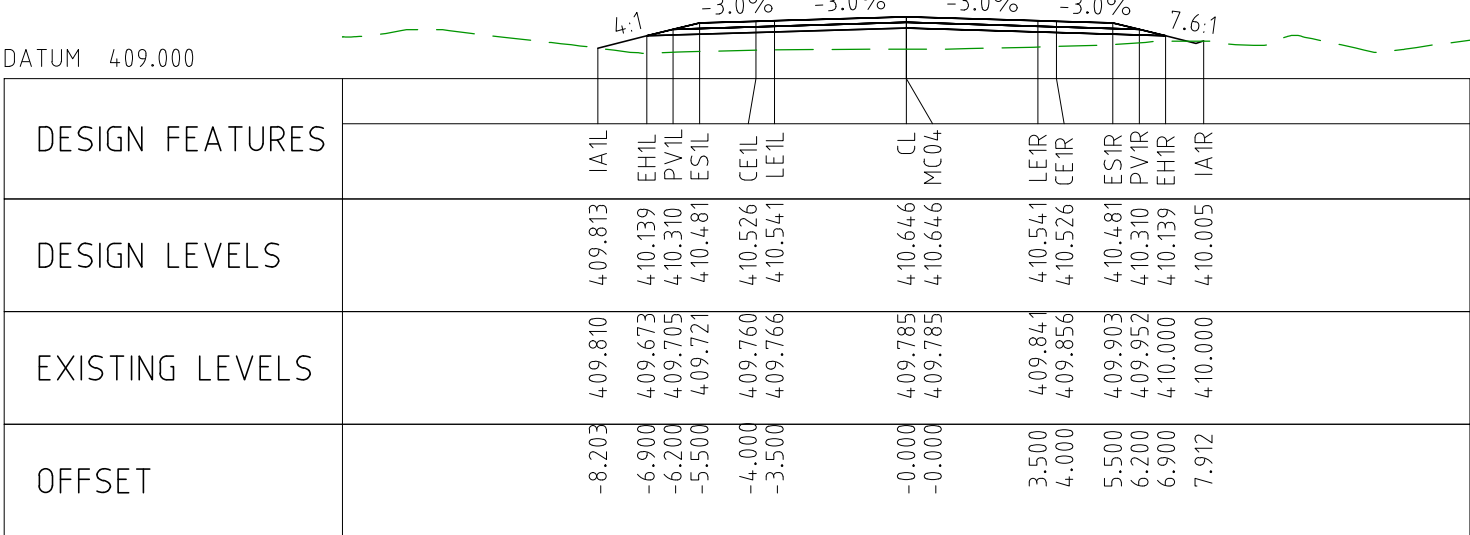
CHAINAGE 86750



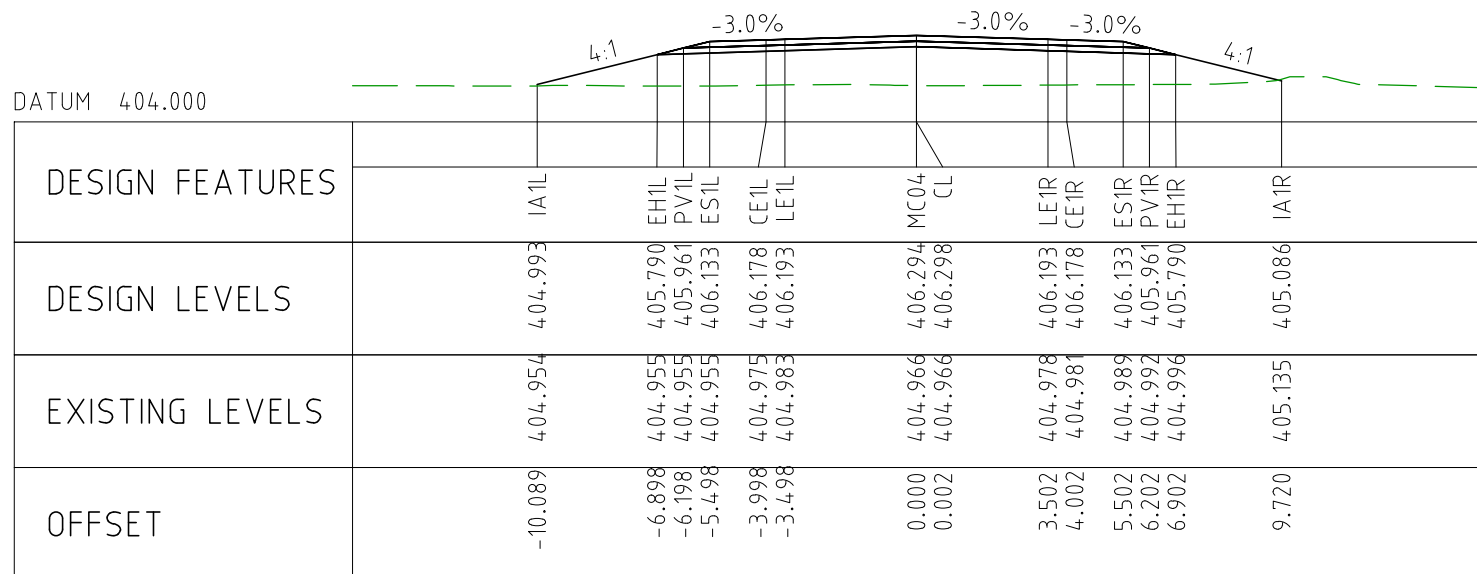
CHAINAGE 86700



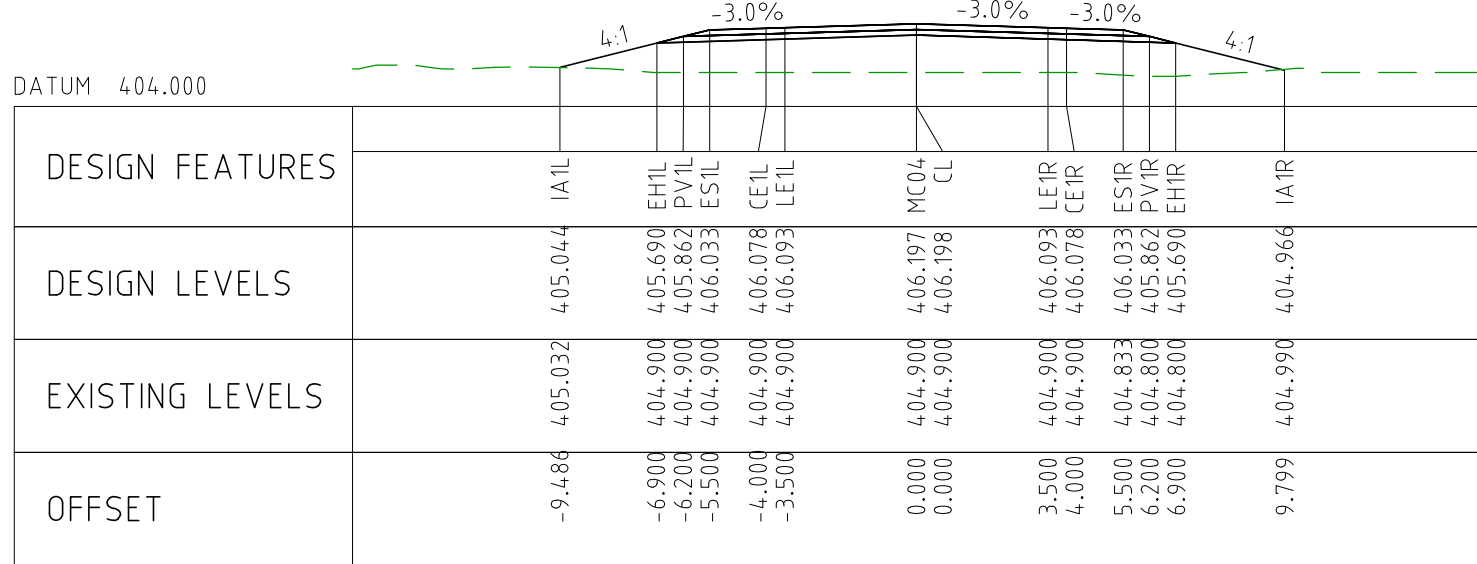
CHAINAGE 86650



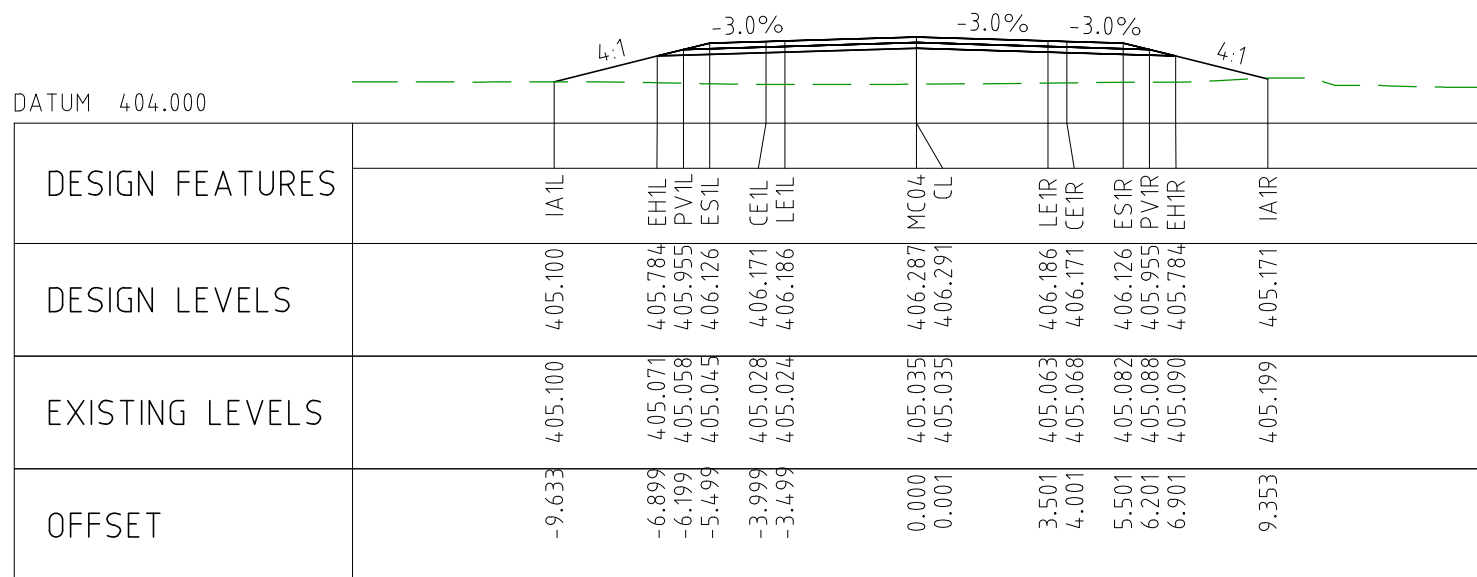
CHAINAGE 86600



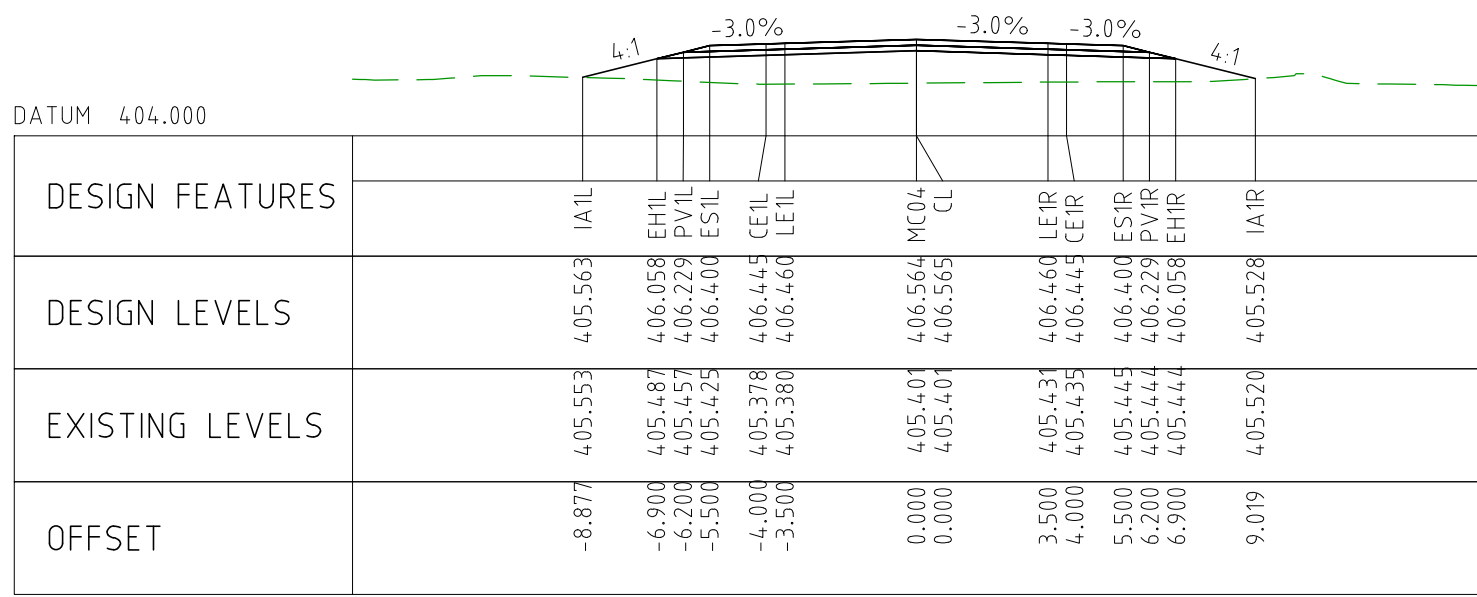
CHAINAGE 87050



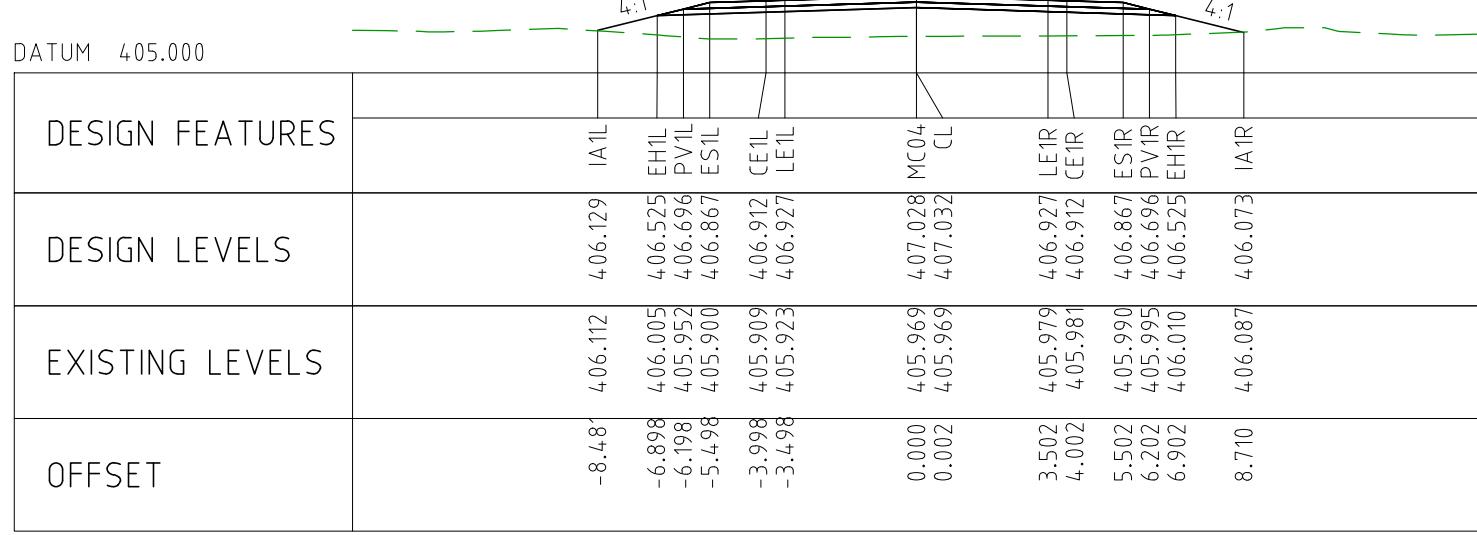
CHAINAGE 87000



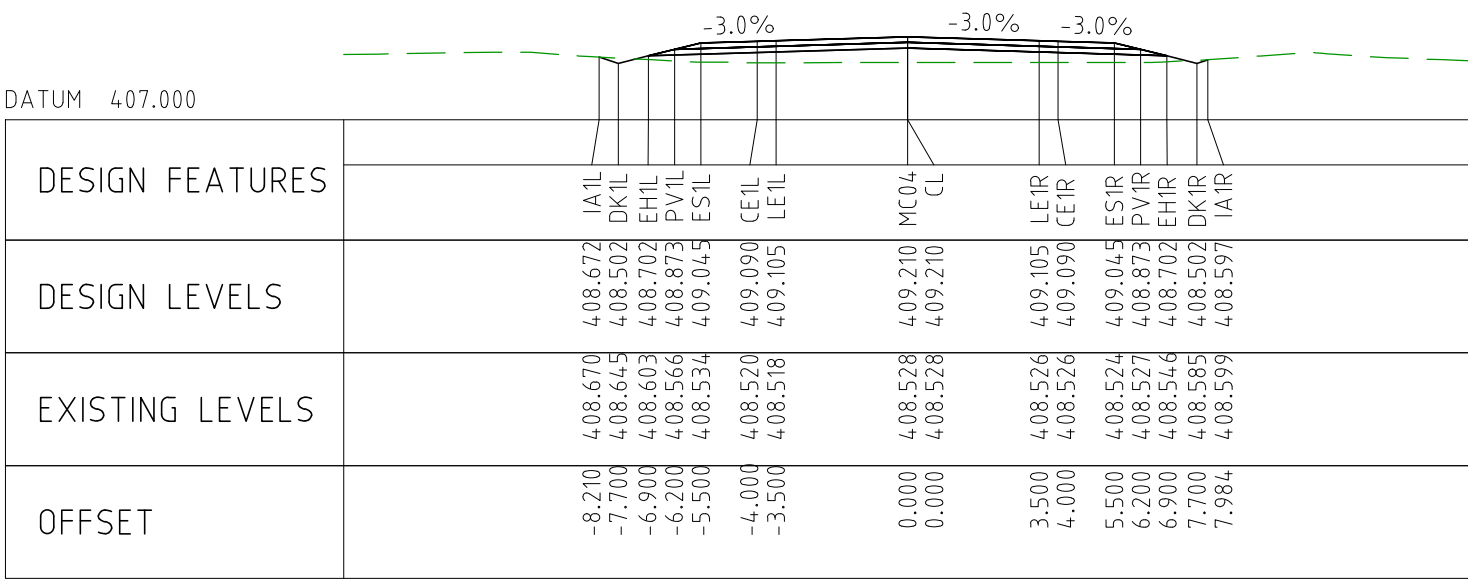
CHAINAGE 86950

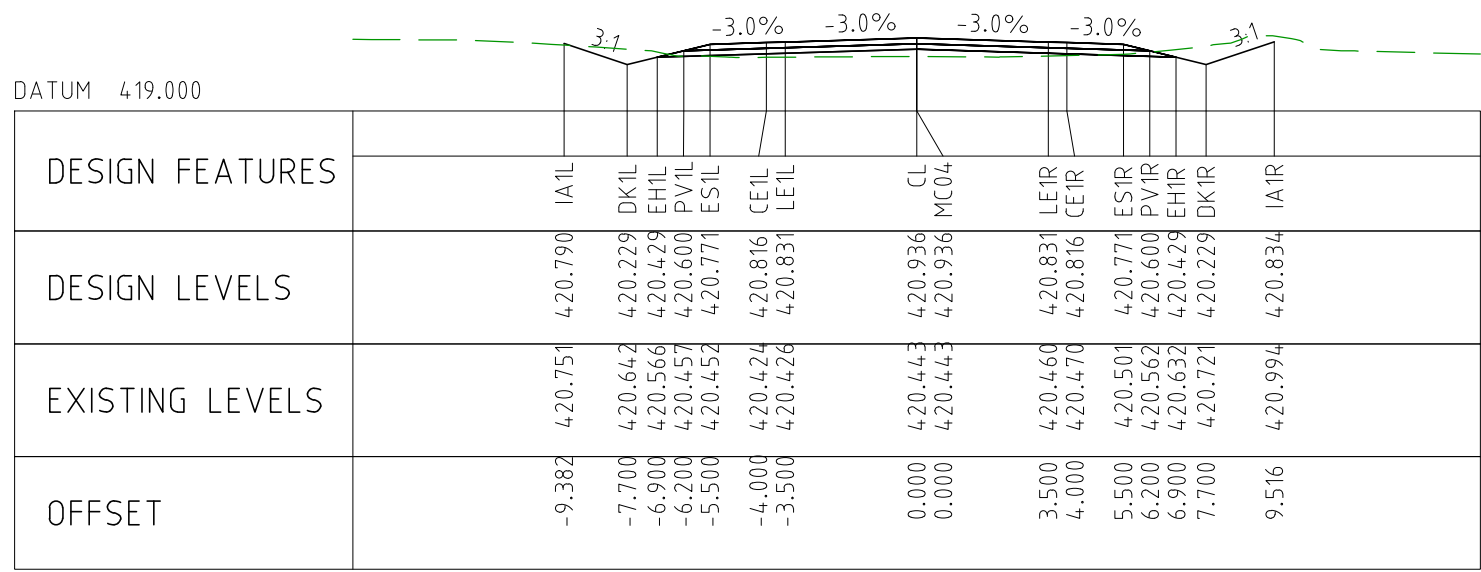


CHAINAGE 86900

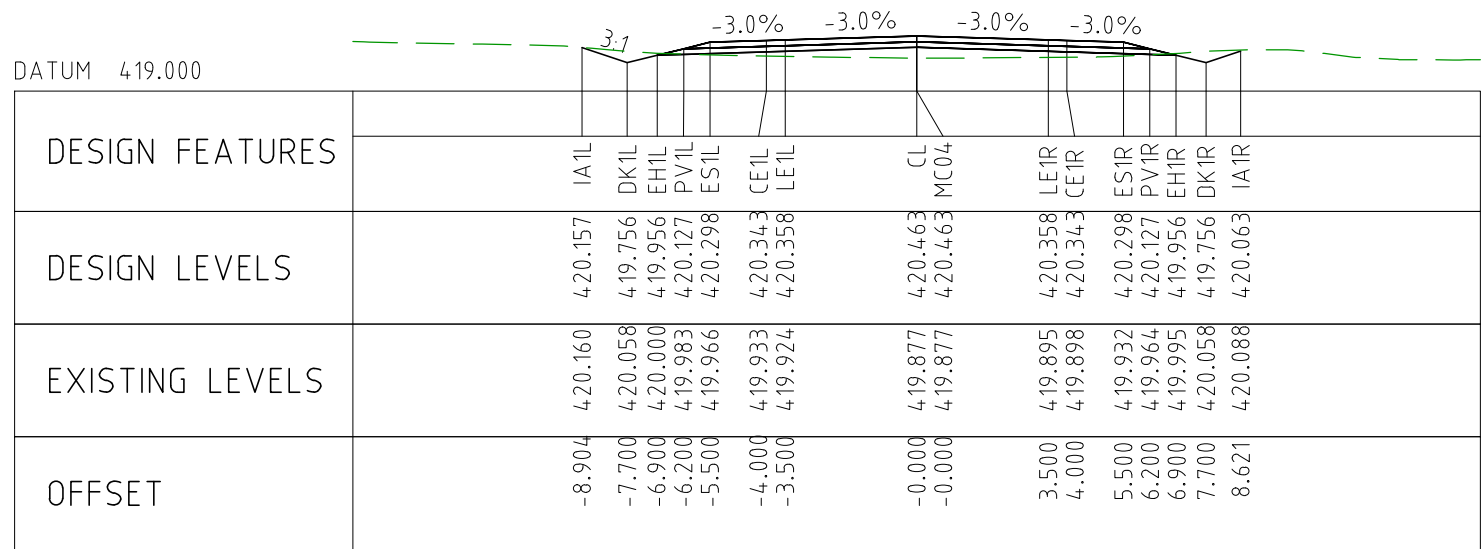


CHAINAGE 86850

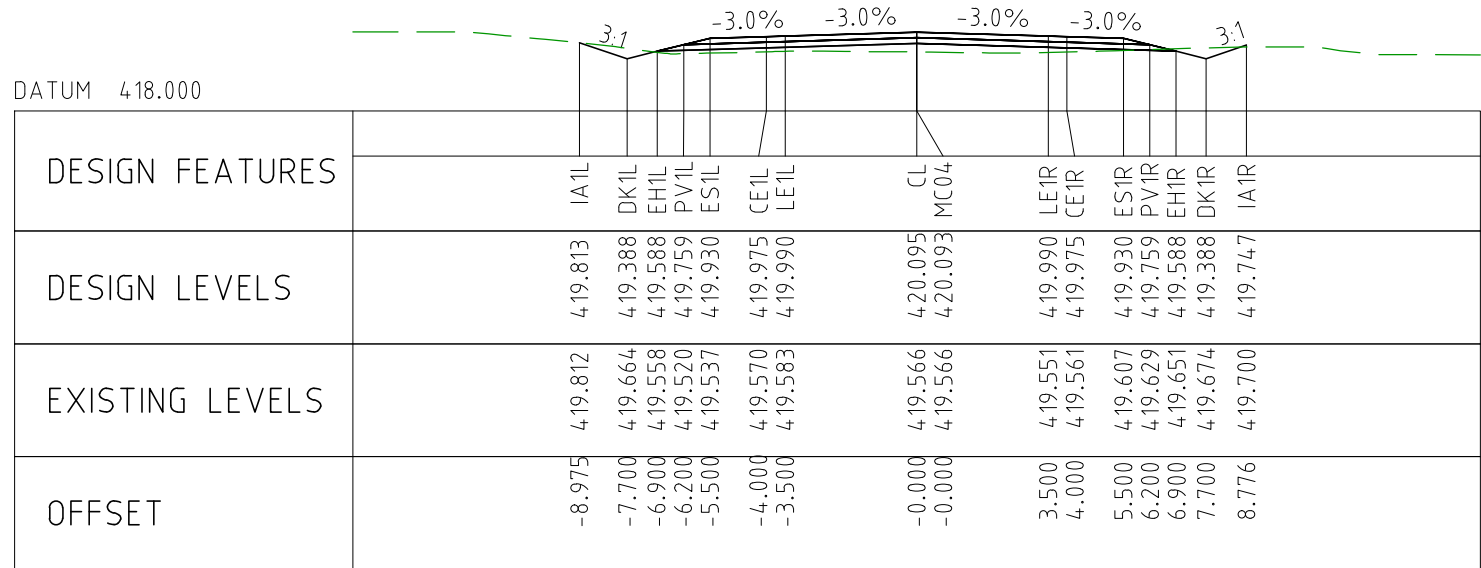




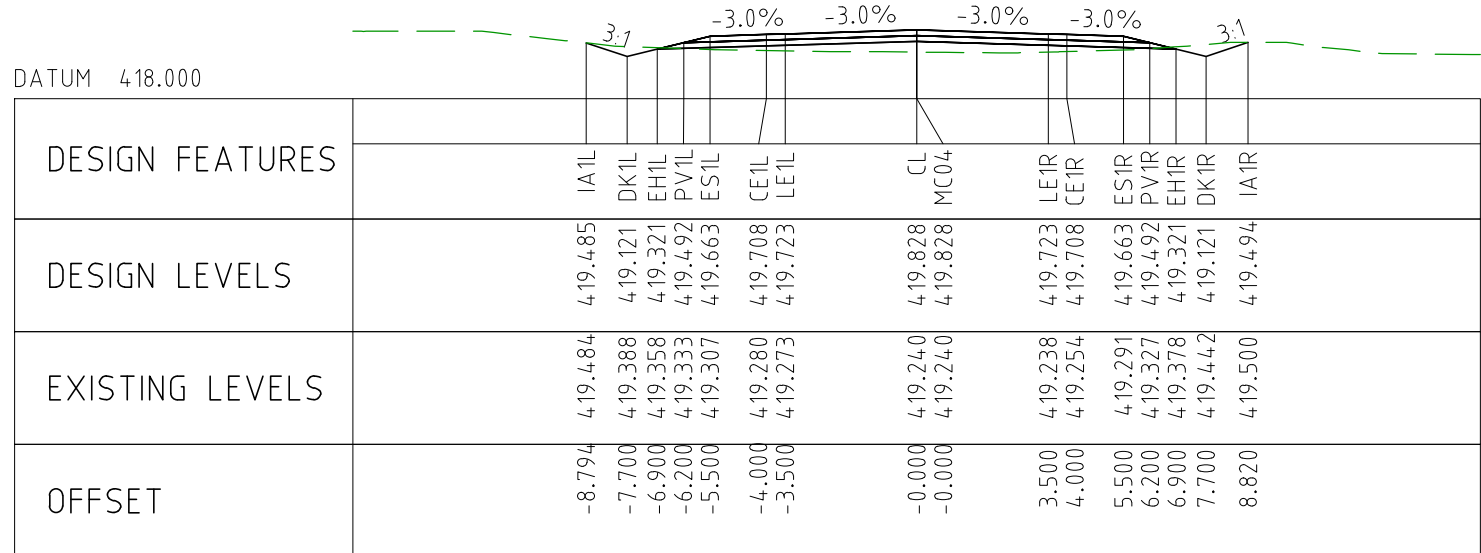
CHAINAGE 89550



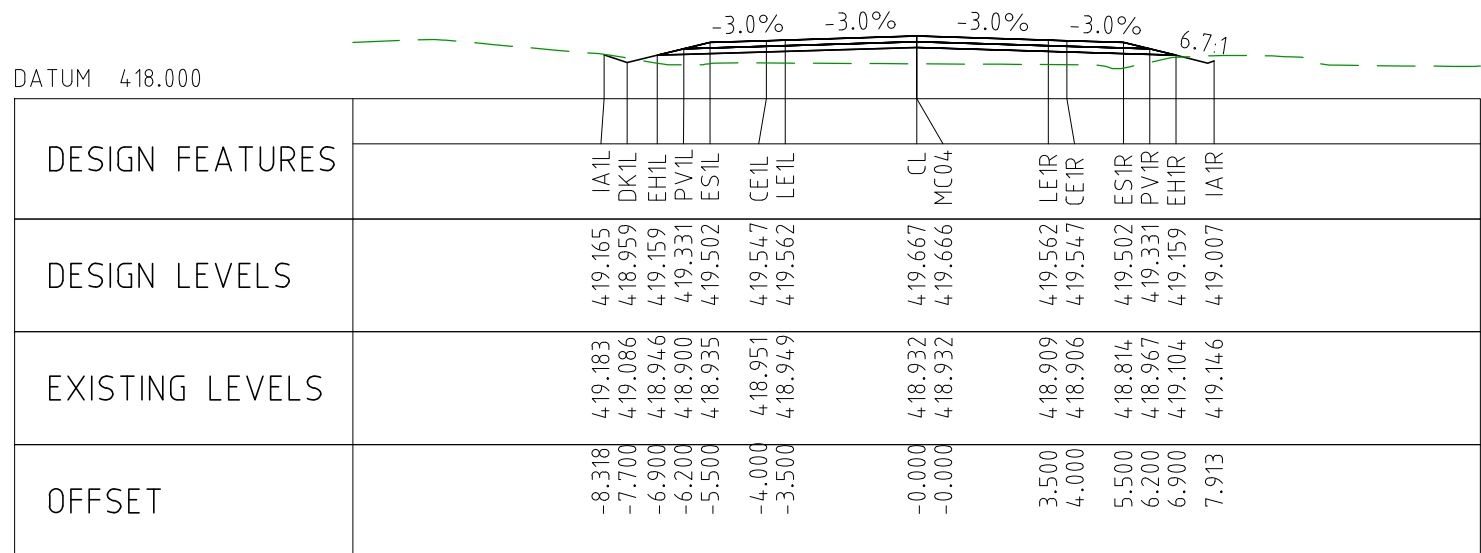
CHAINAGE 89500



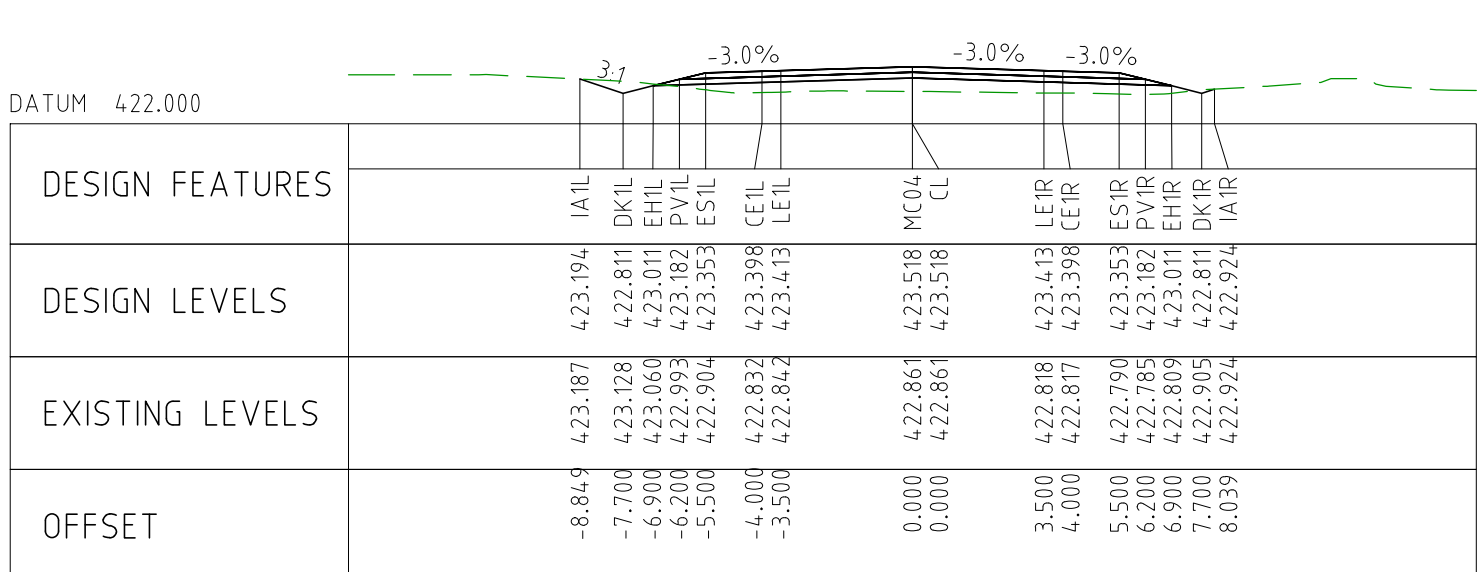
CHAINAGE 89450



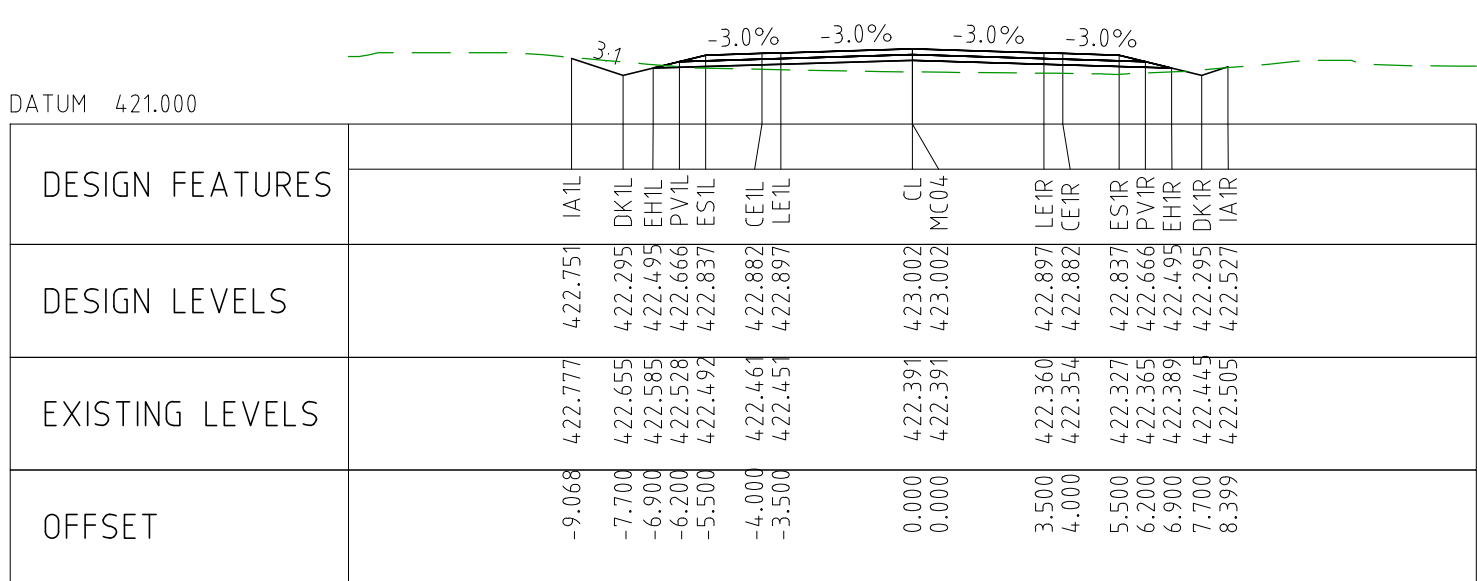
CHAINAGE 89400



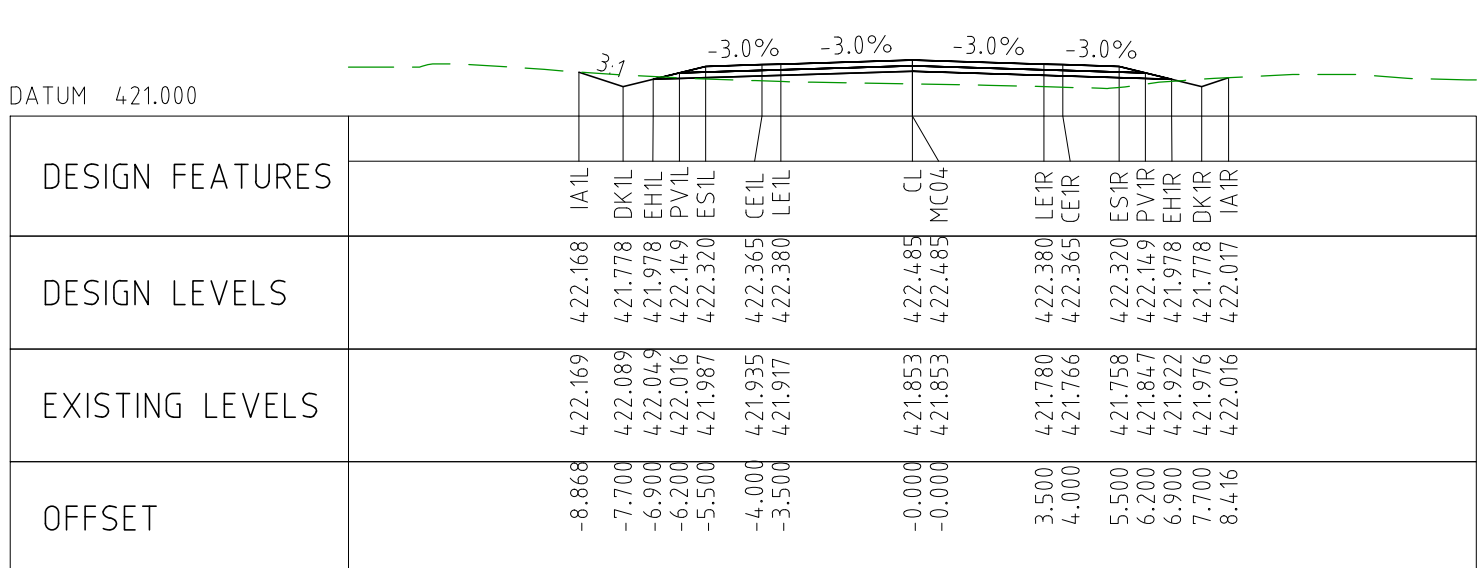
CHAINAGE 89350



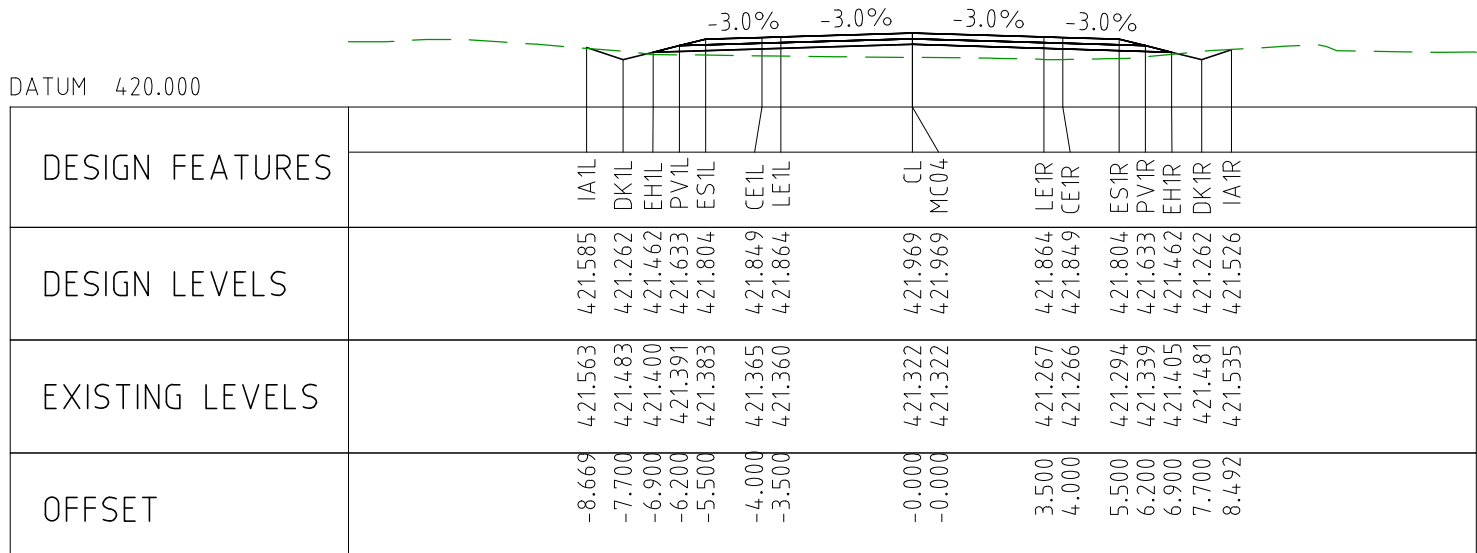
CHAINAGE 89800



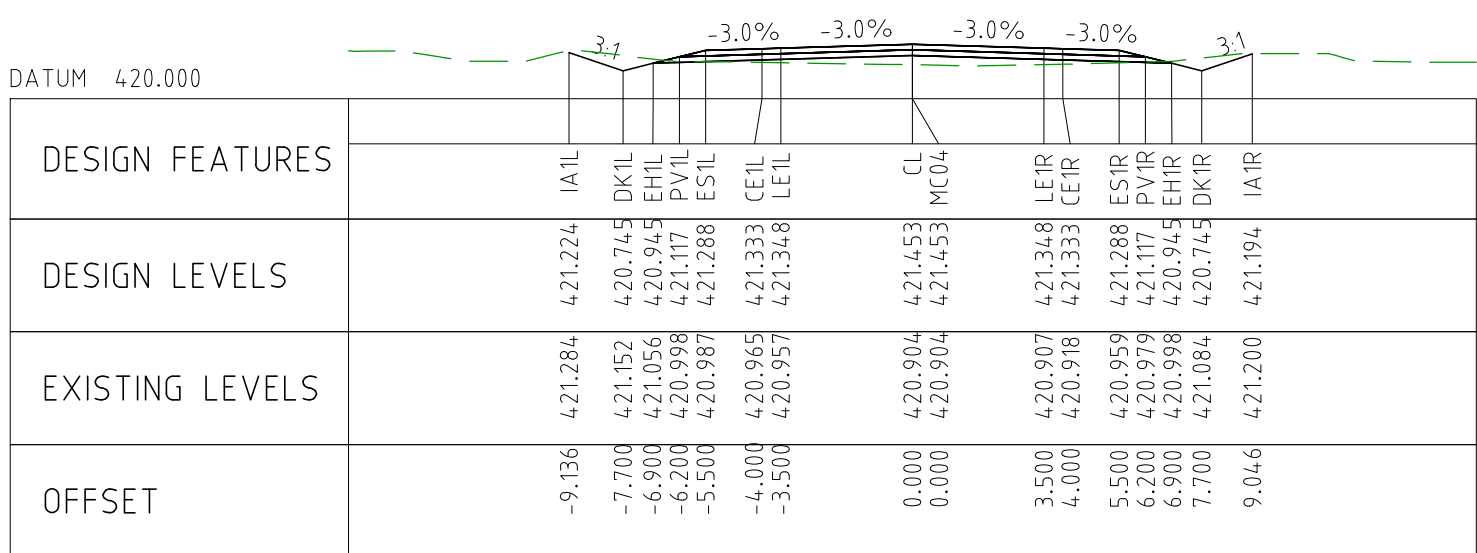
CHAINAGE 89750



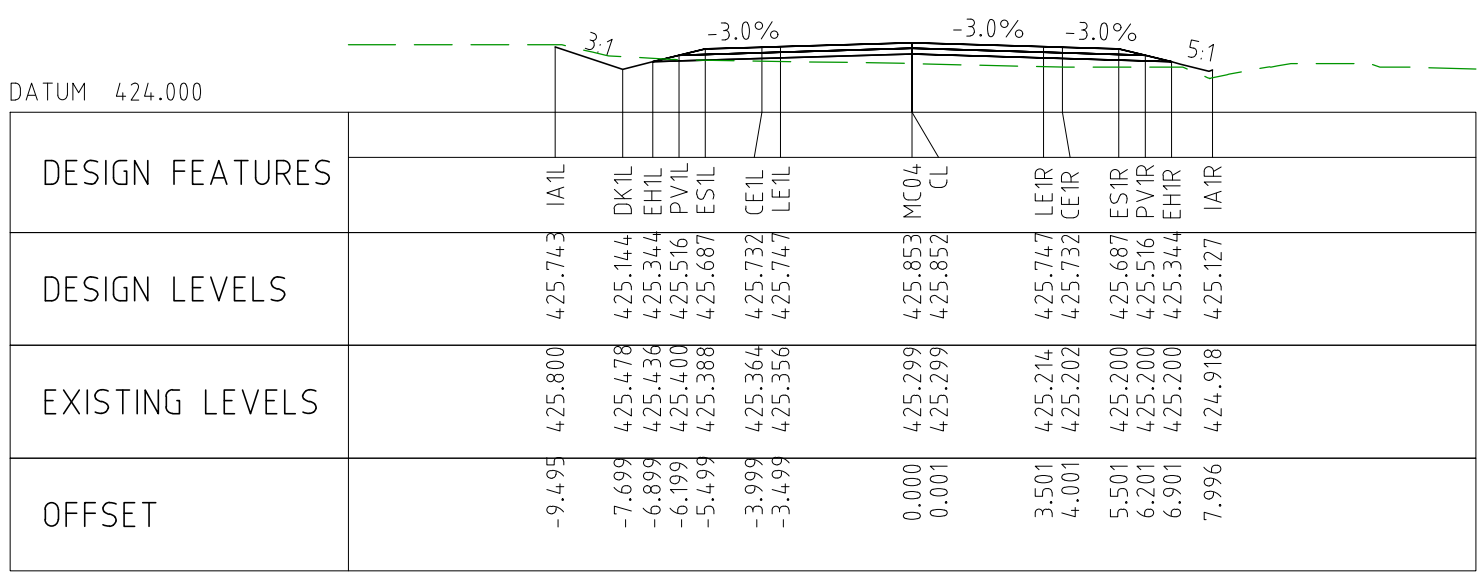
CHAINAGE 89700



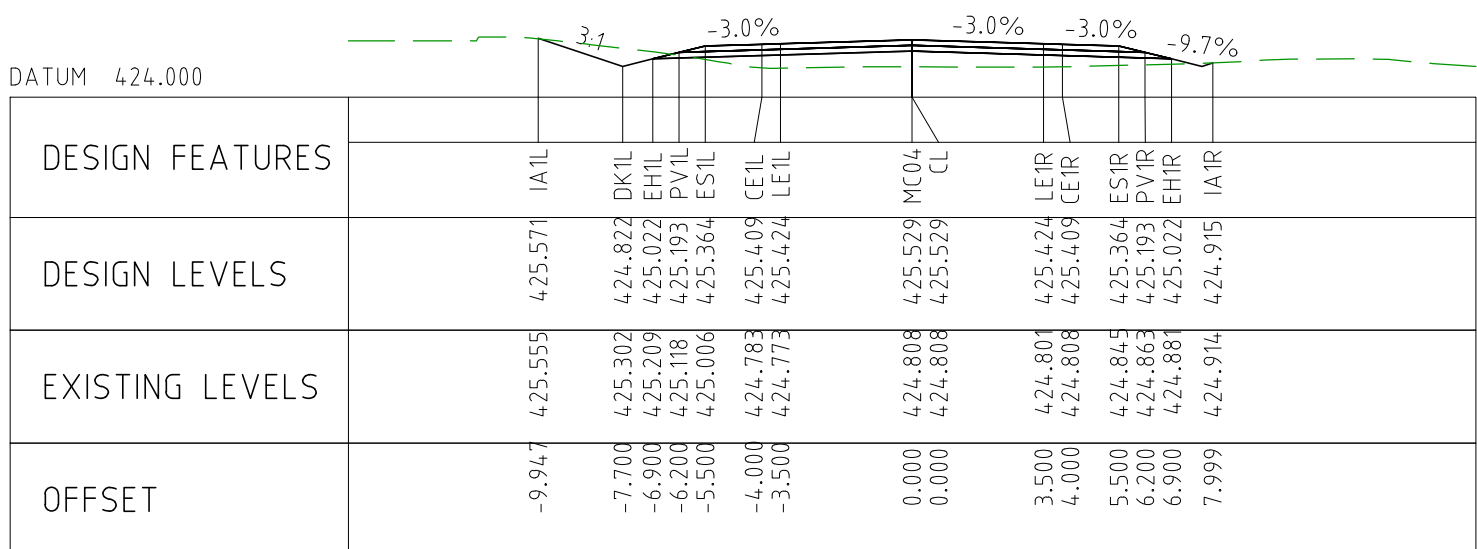
CHAINAGE 89650



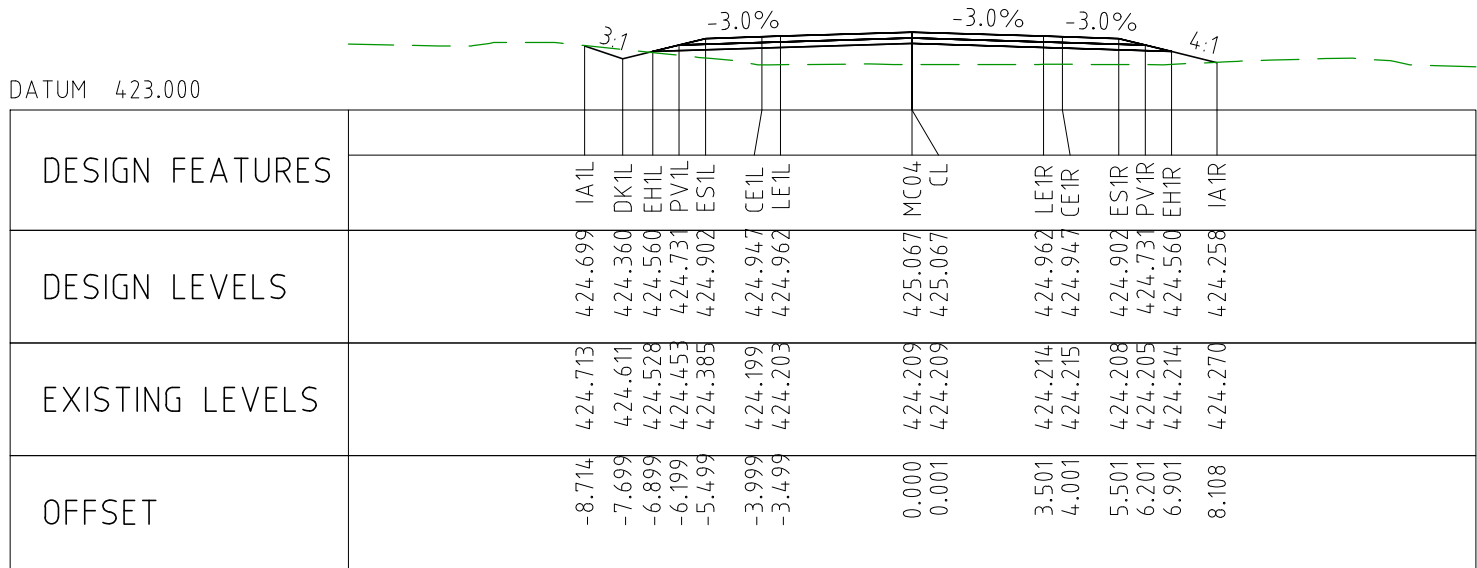
CHAINAGE 89600



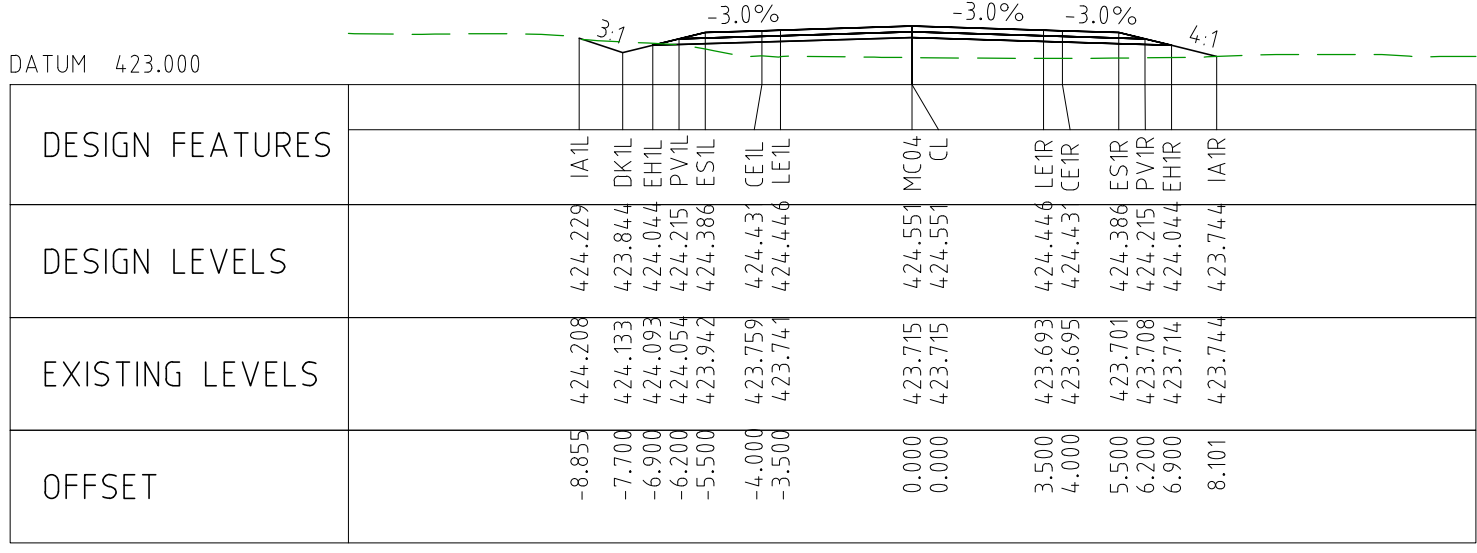
CHAINAGE 90050



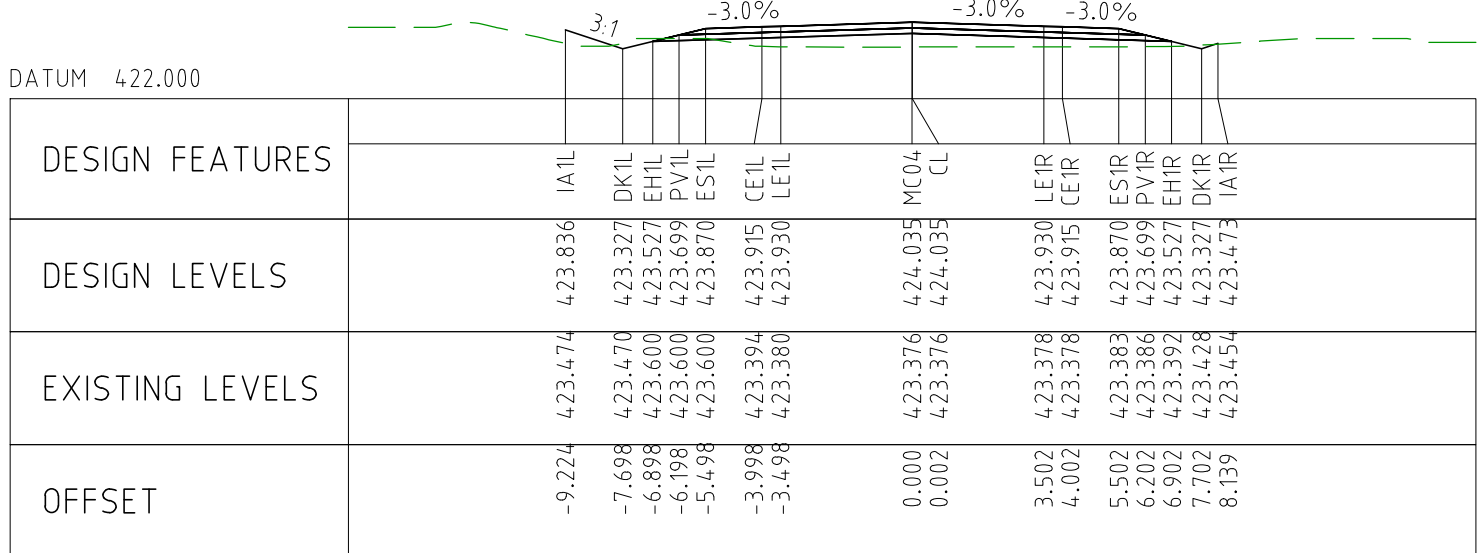
CHAINAGE 90000



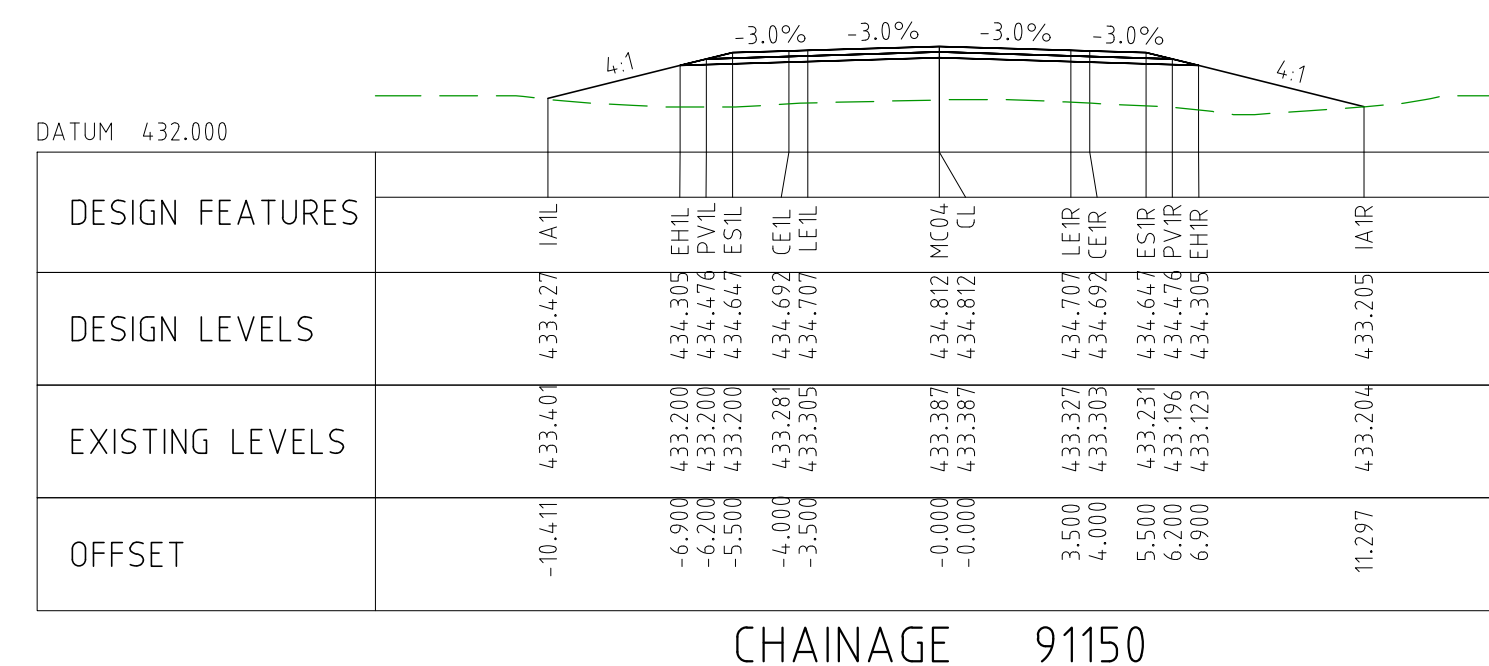
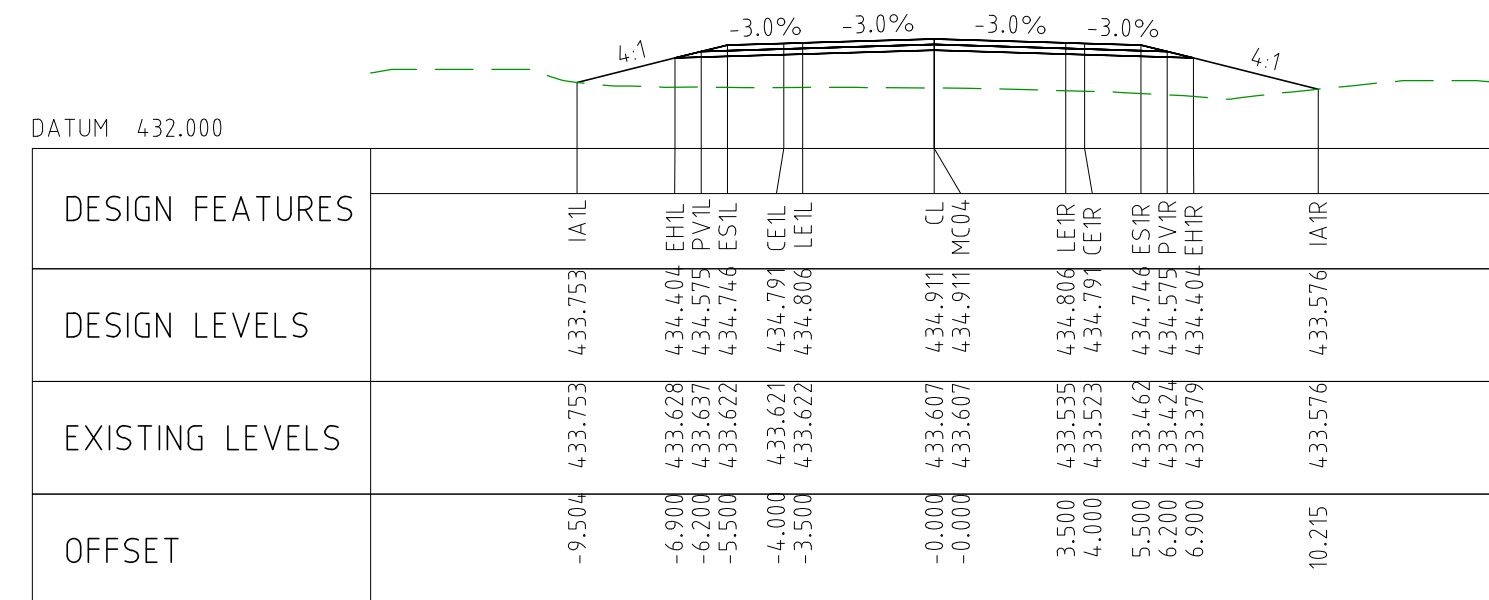
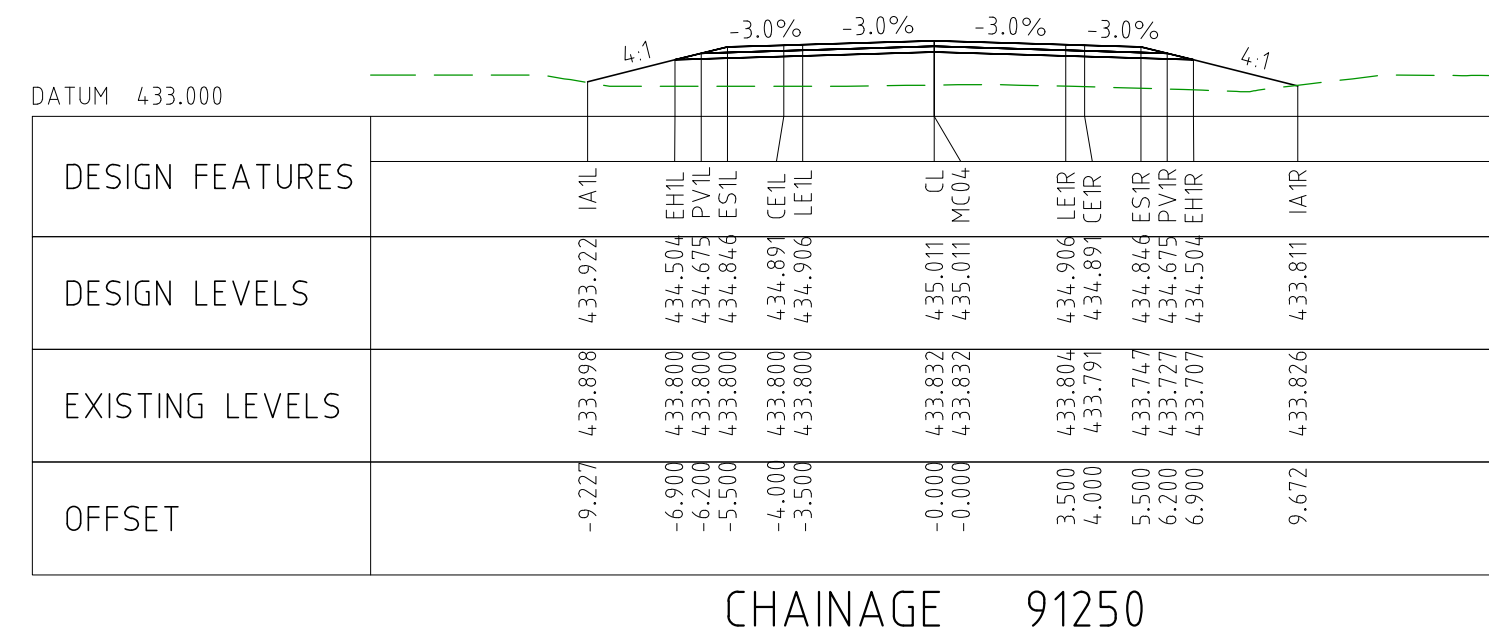
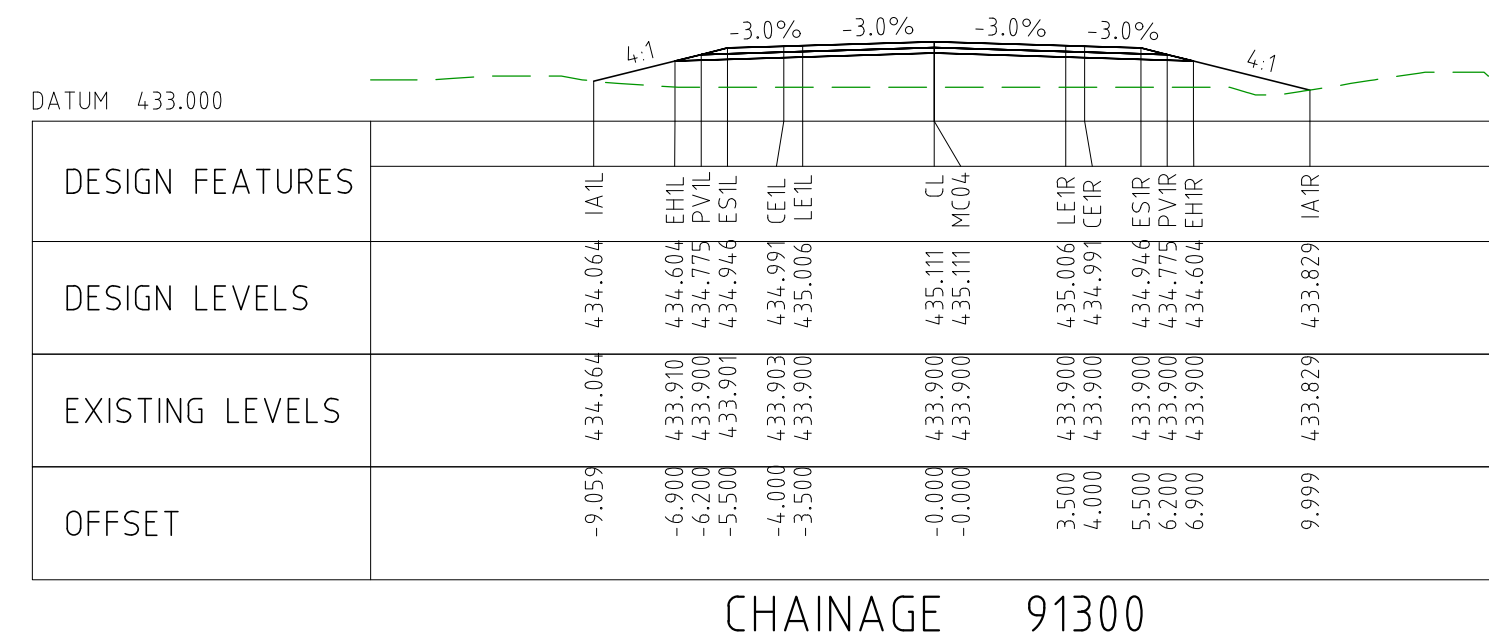
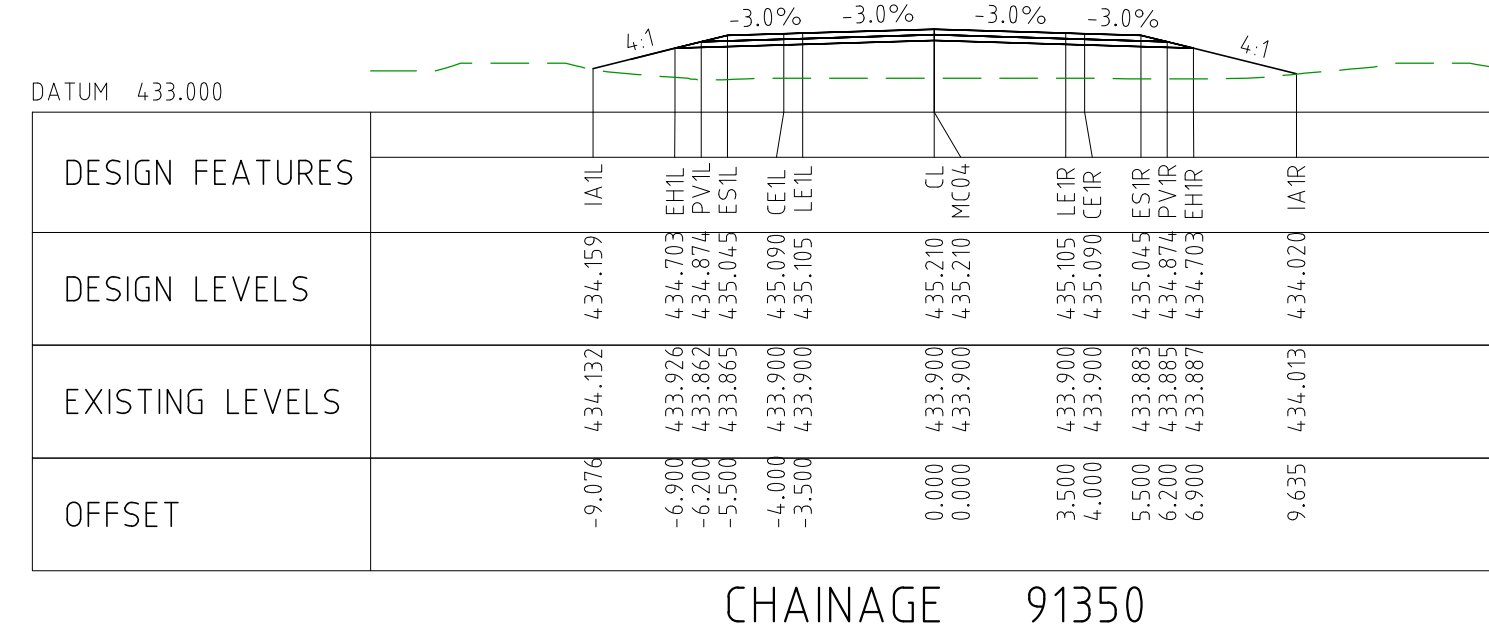
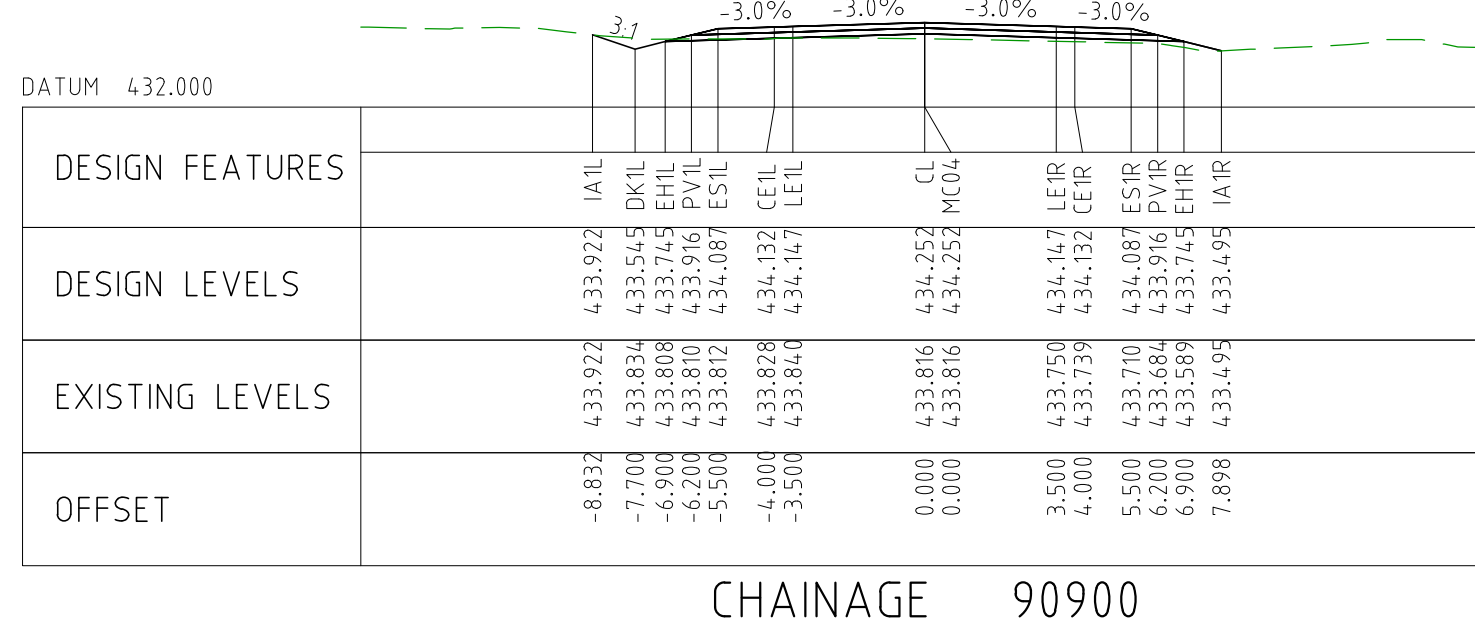
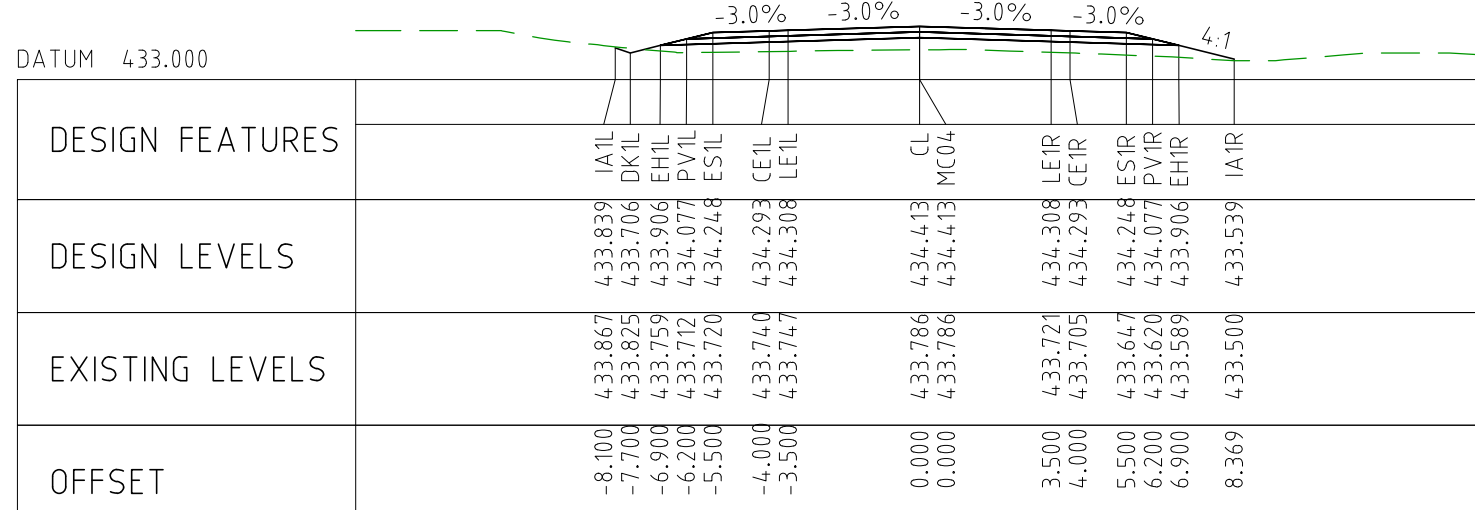
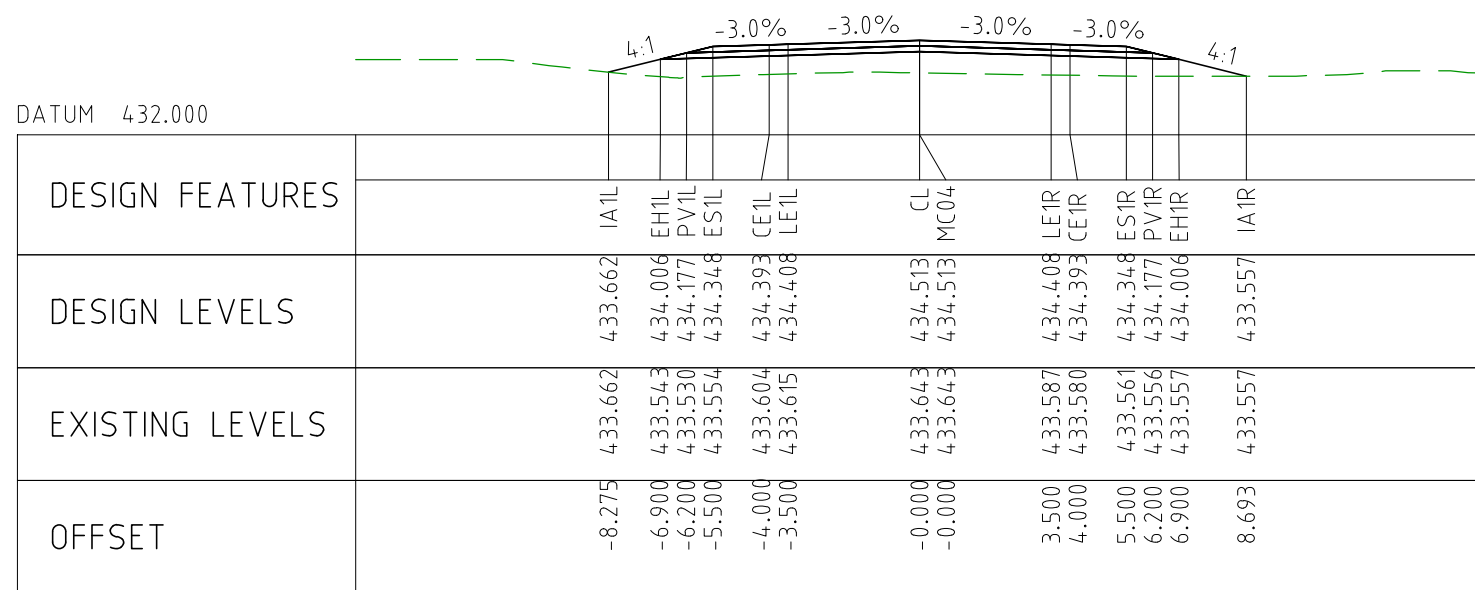
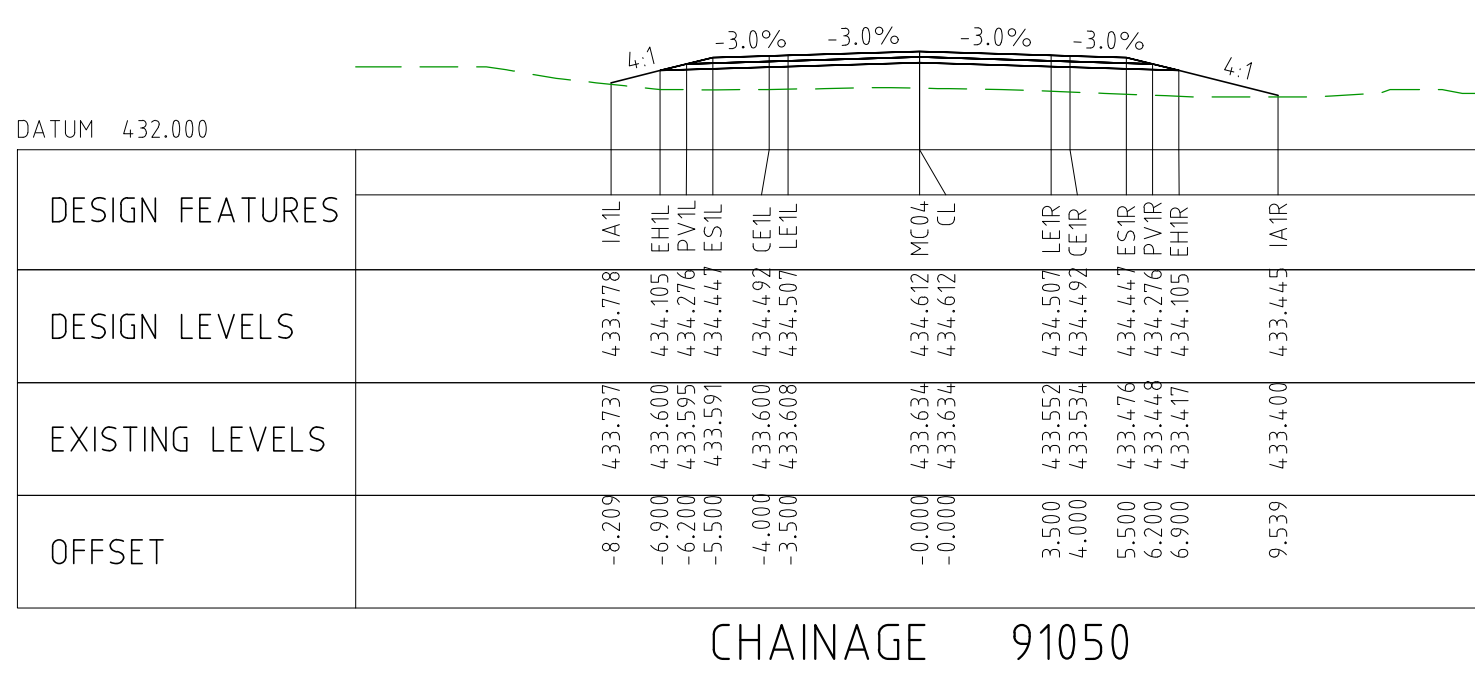
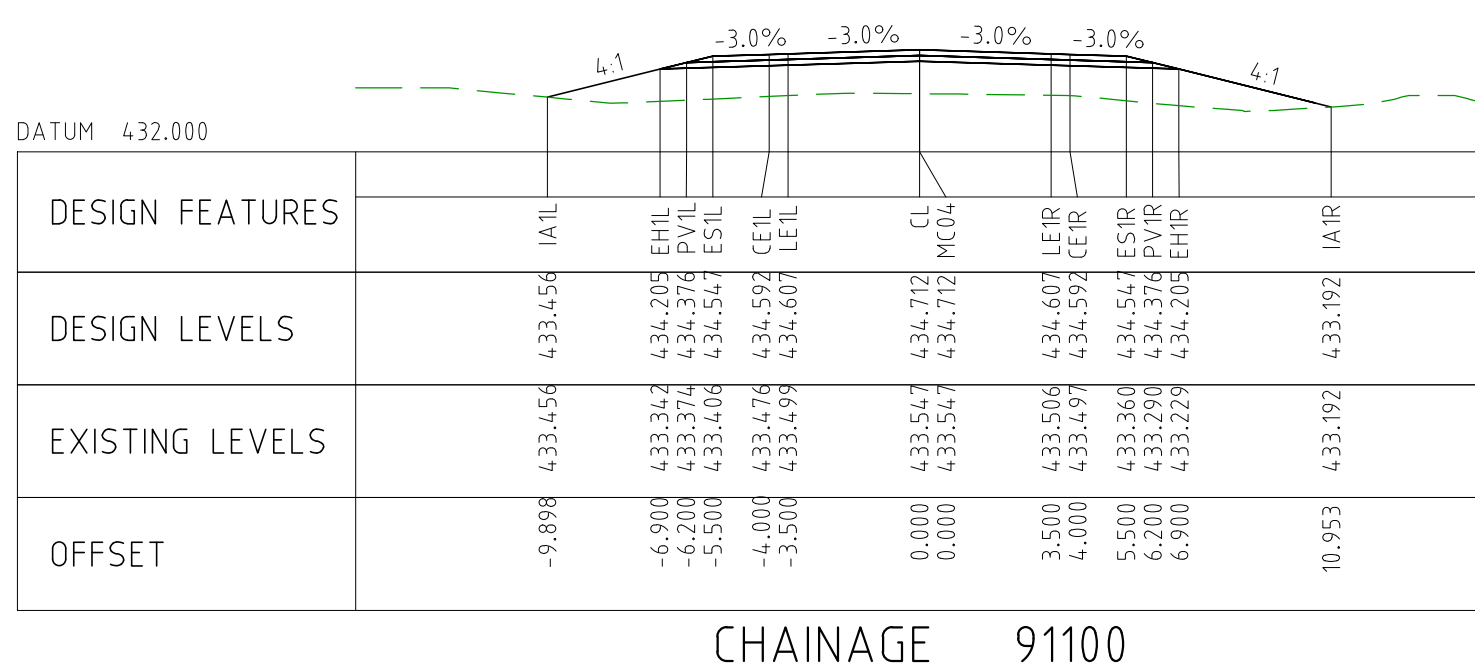
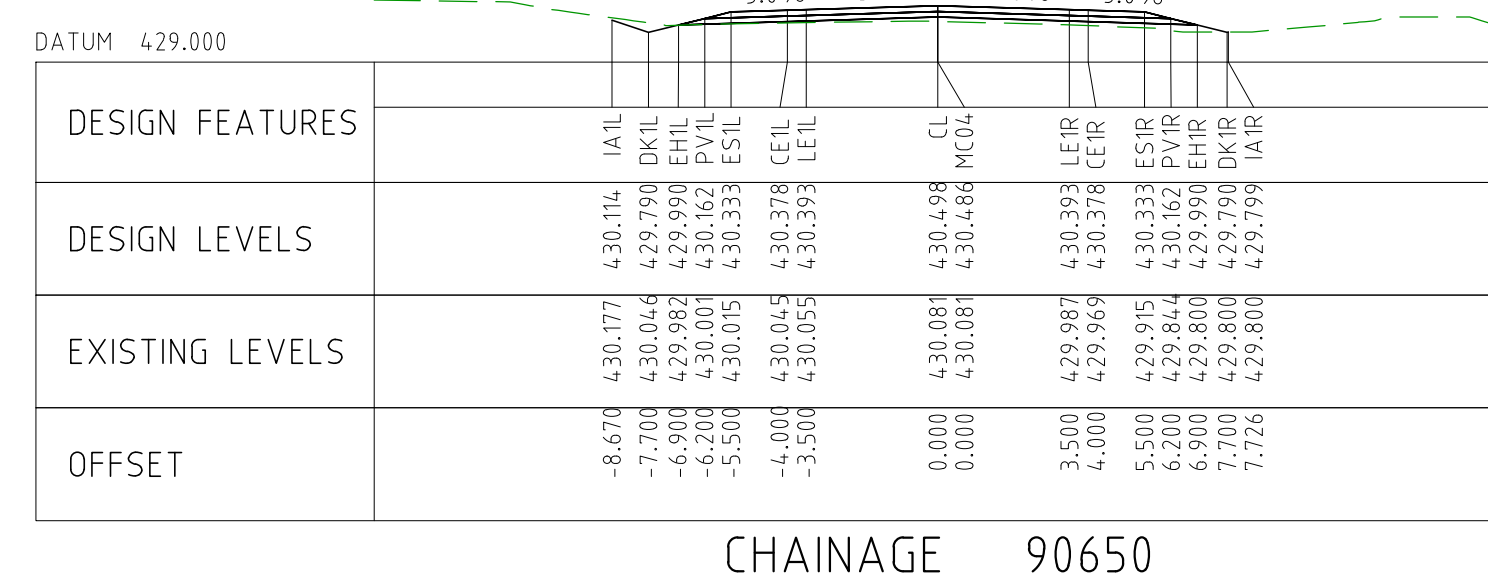
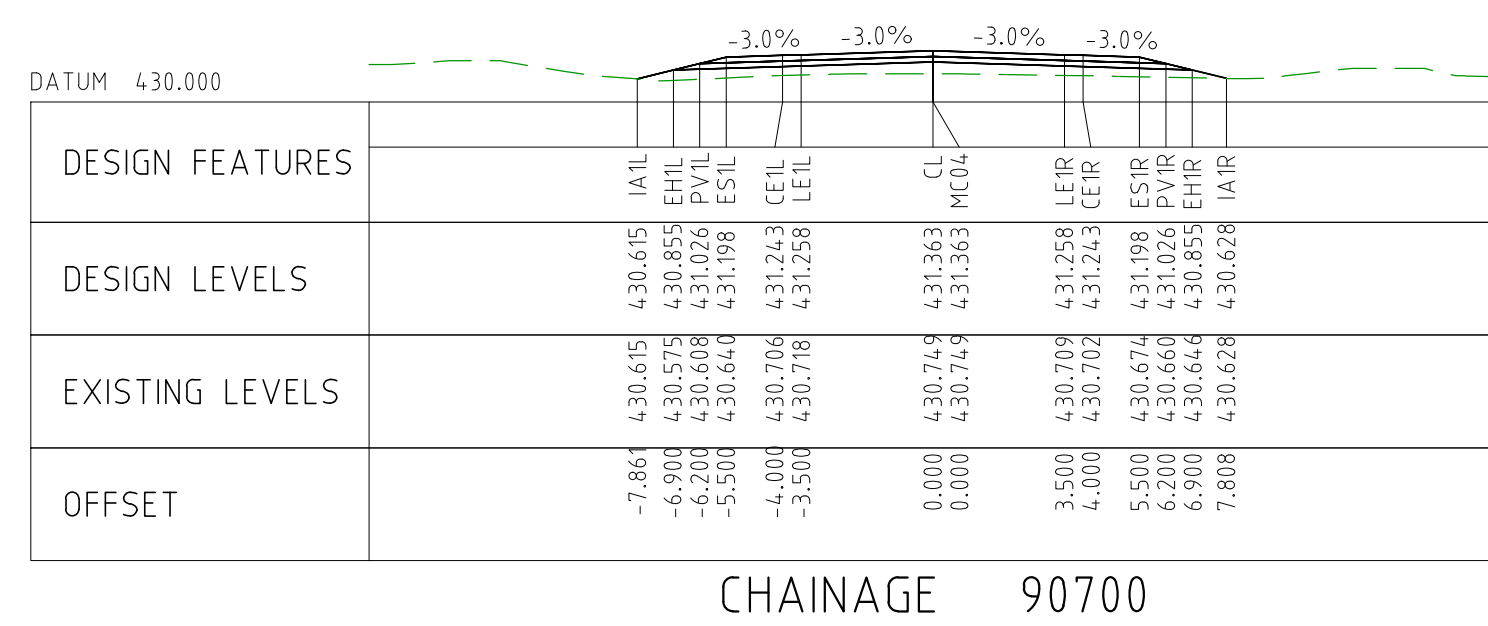
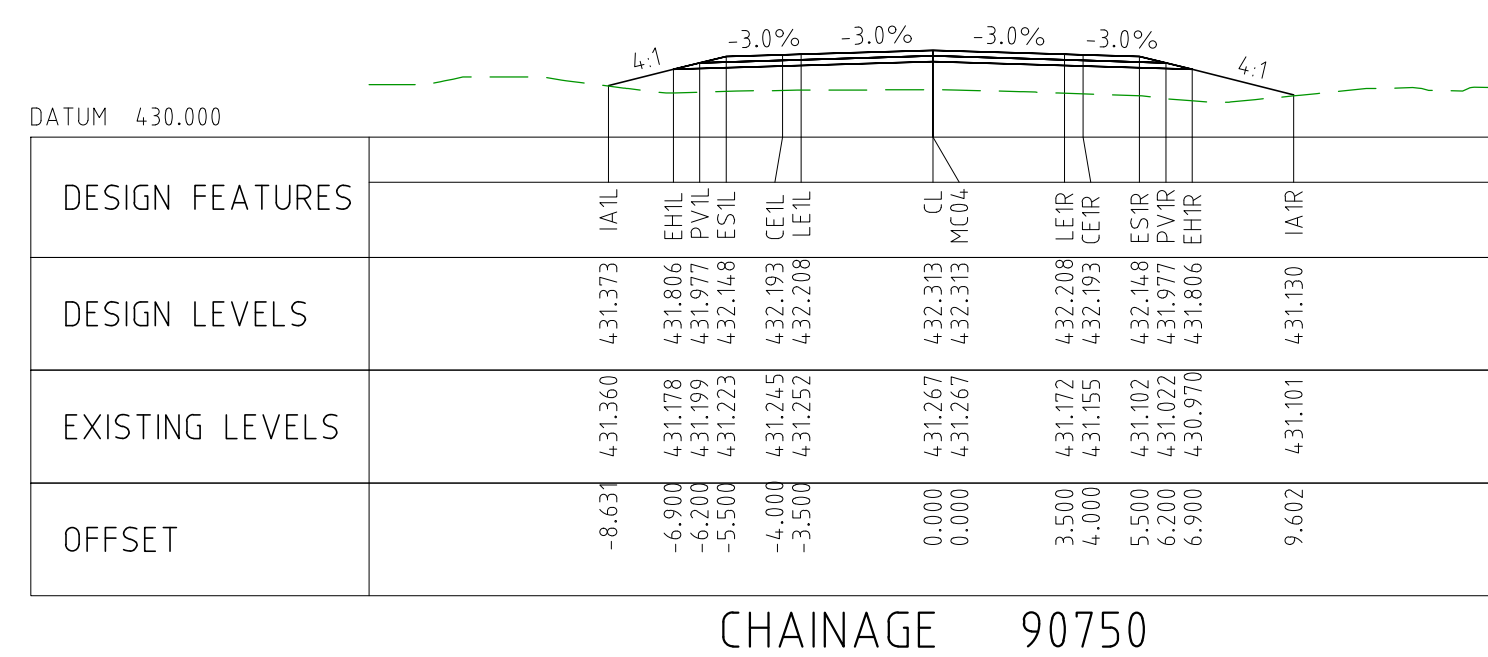
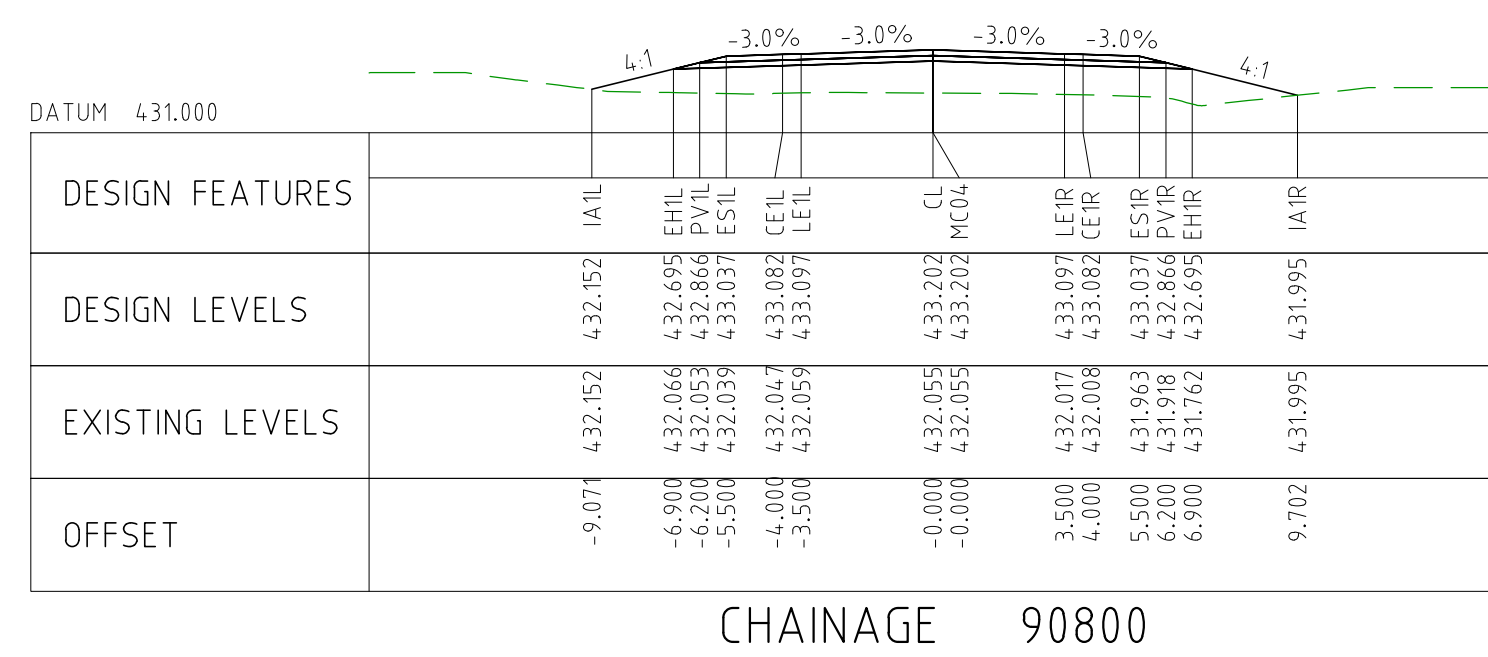
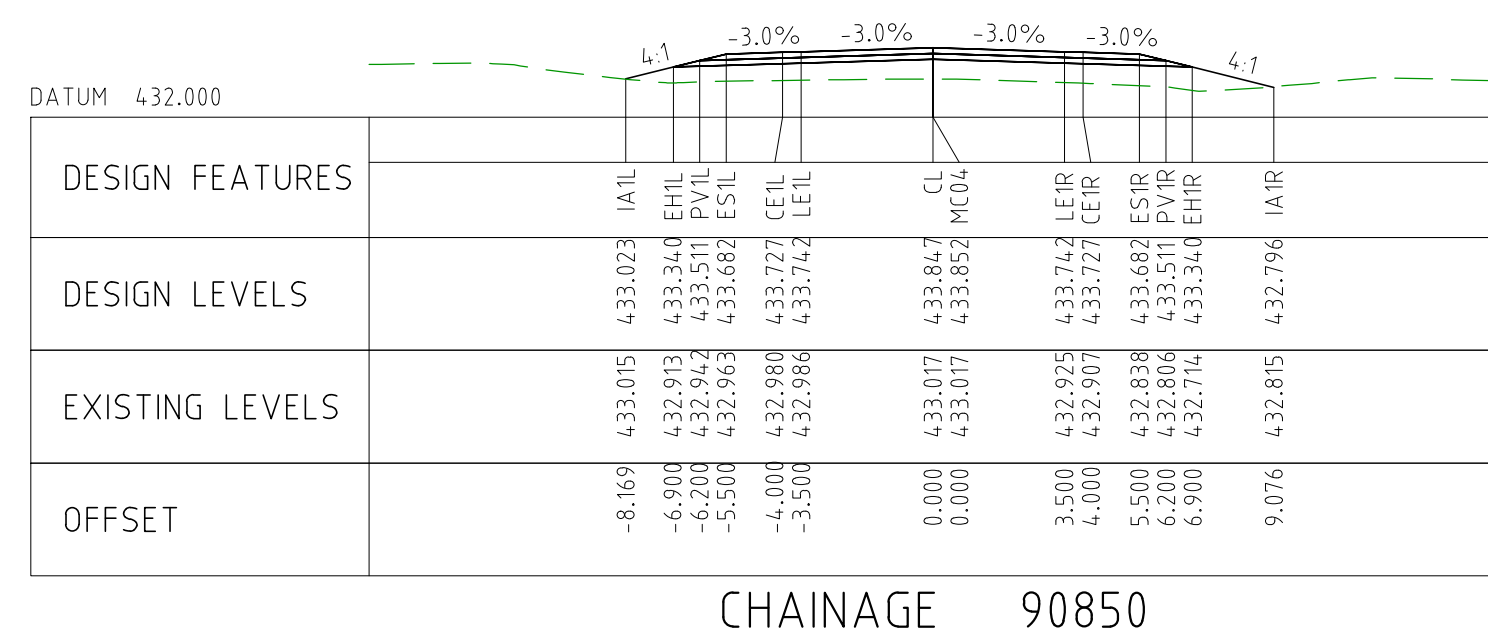
CHAINAGE 89950

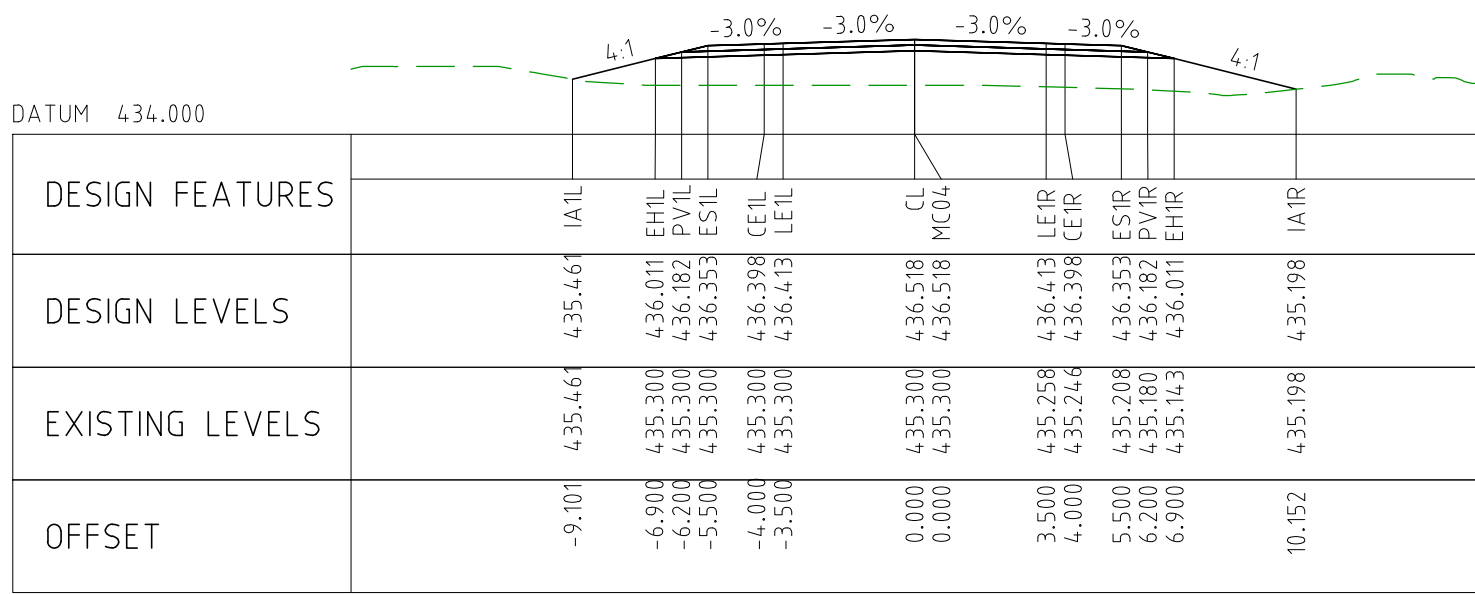


CHAINAGE 89900

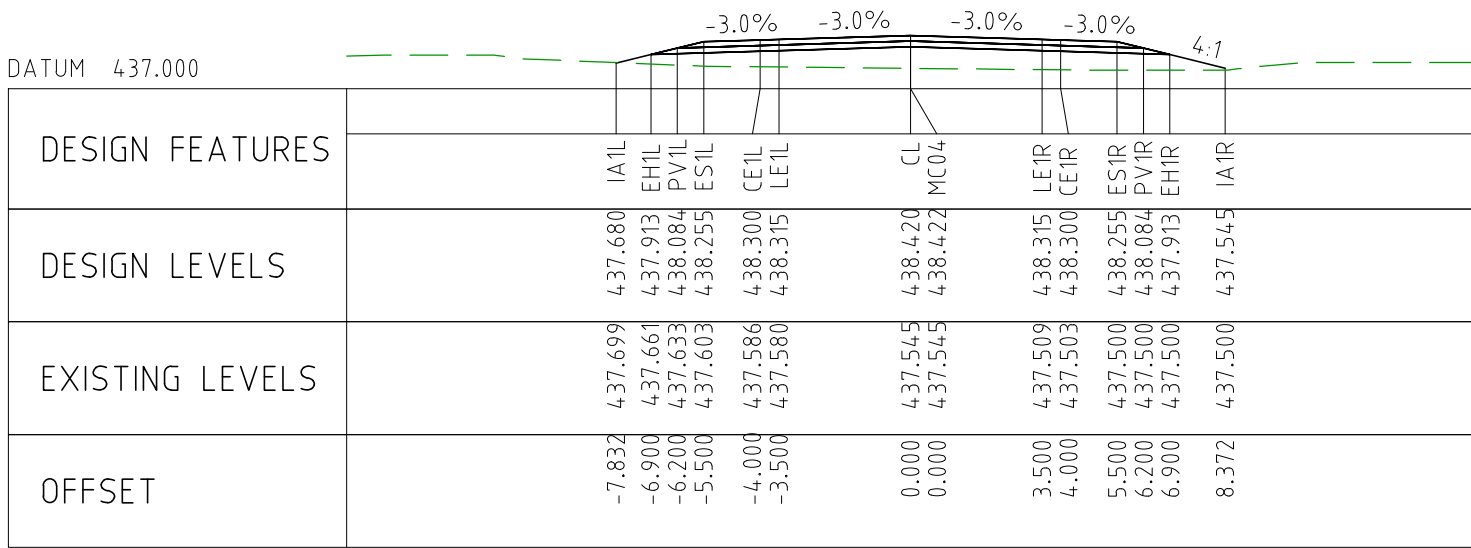


CHAINAGE 89850

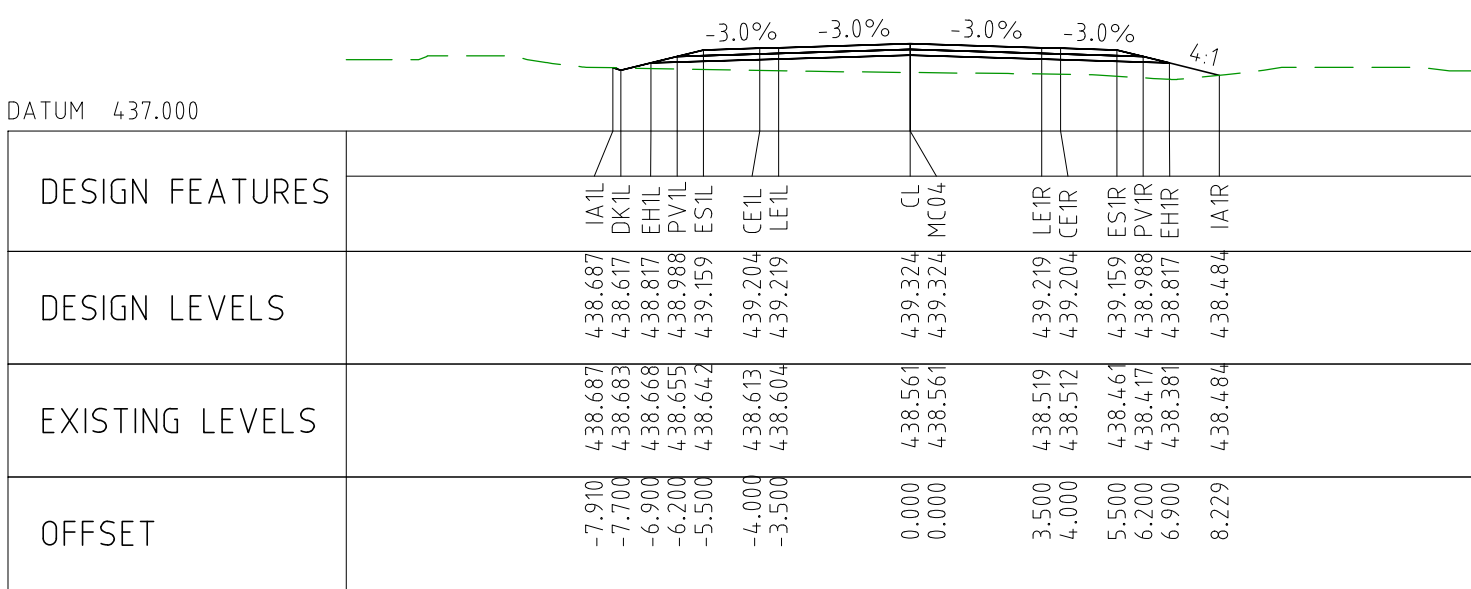




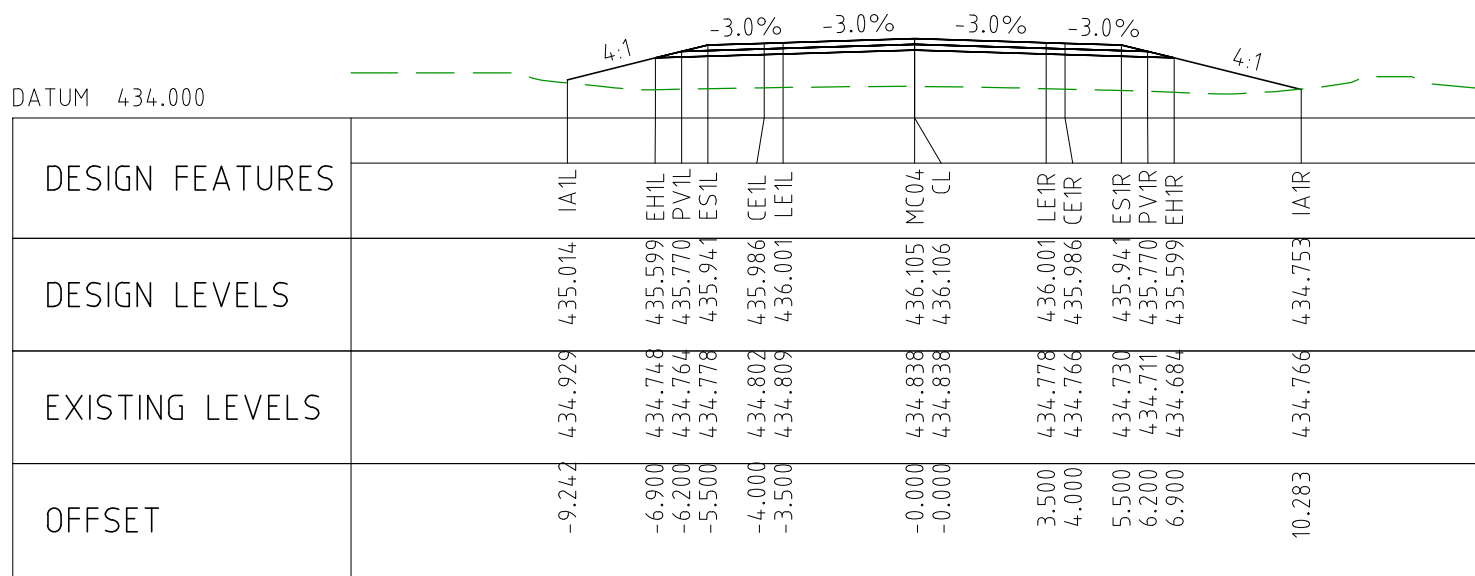
CHAINAGE 91600



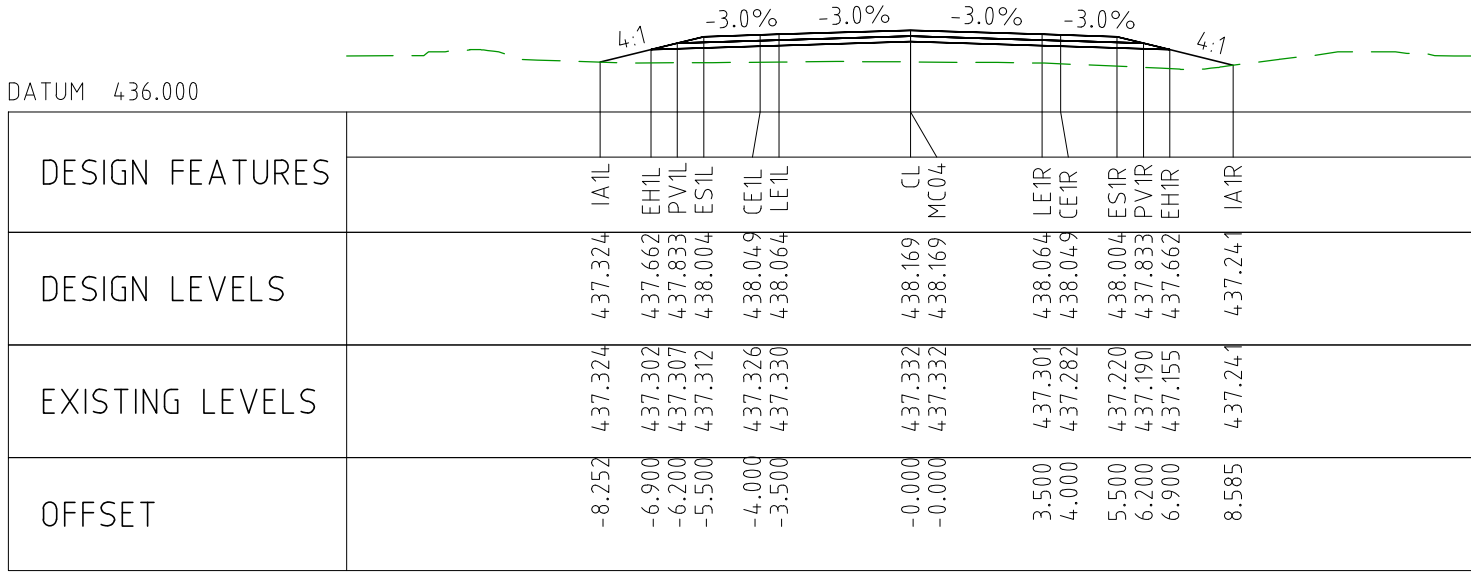
CHAINAGE 91850



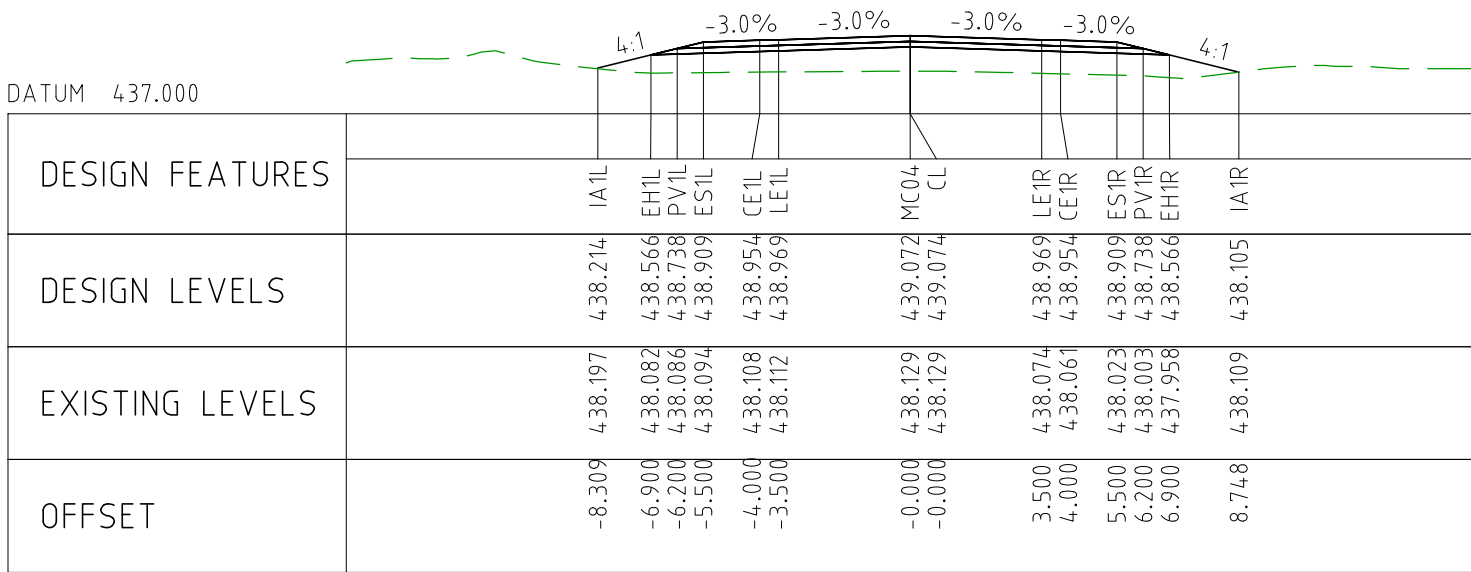
CHAINAGE 92100



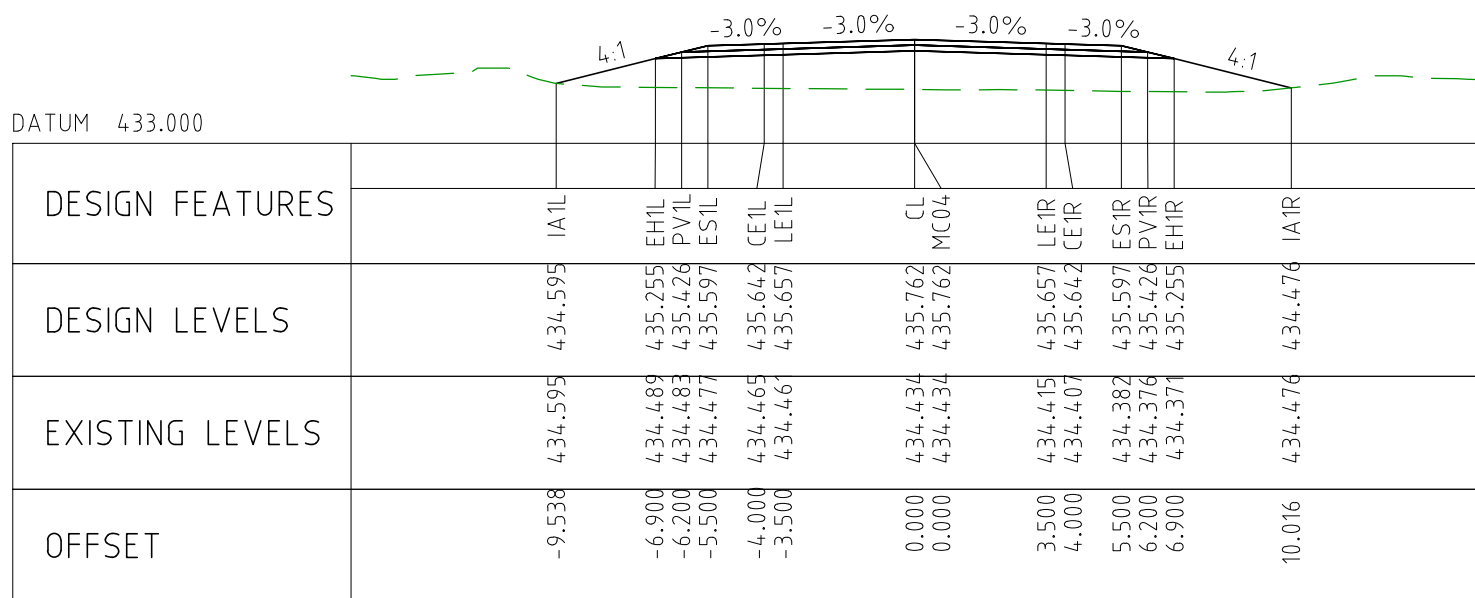
CHAINAGE 91550



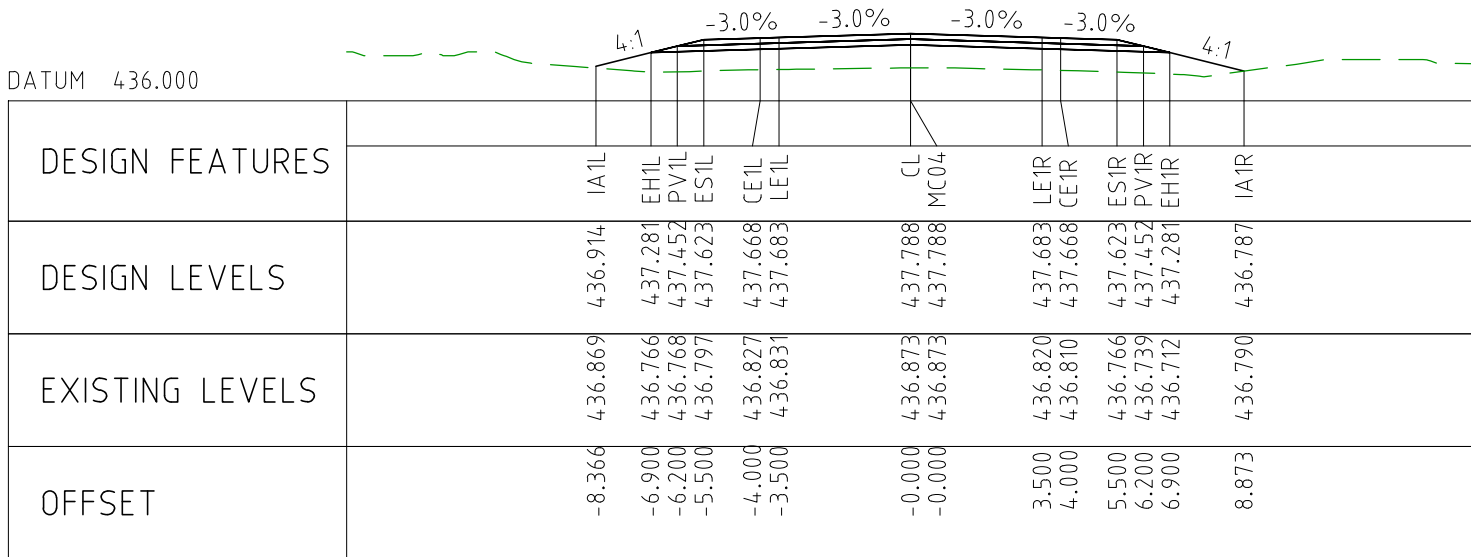
CHAINAGE 91800



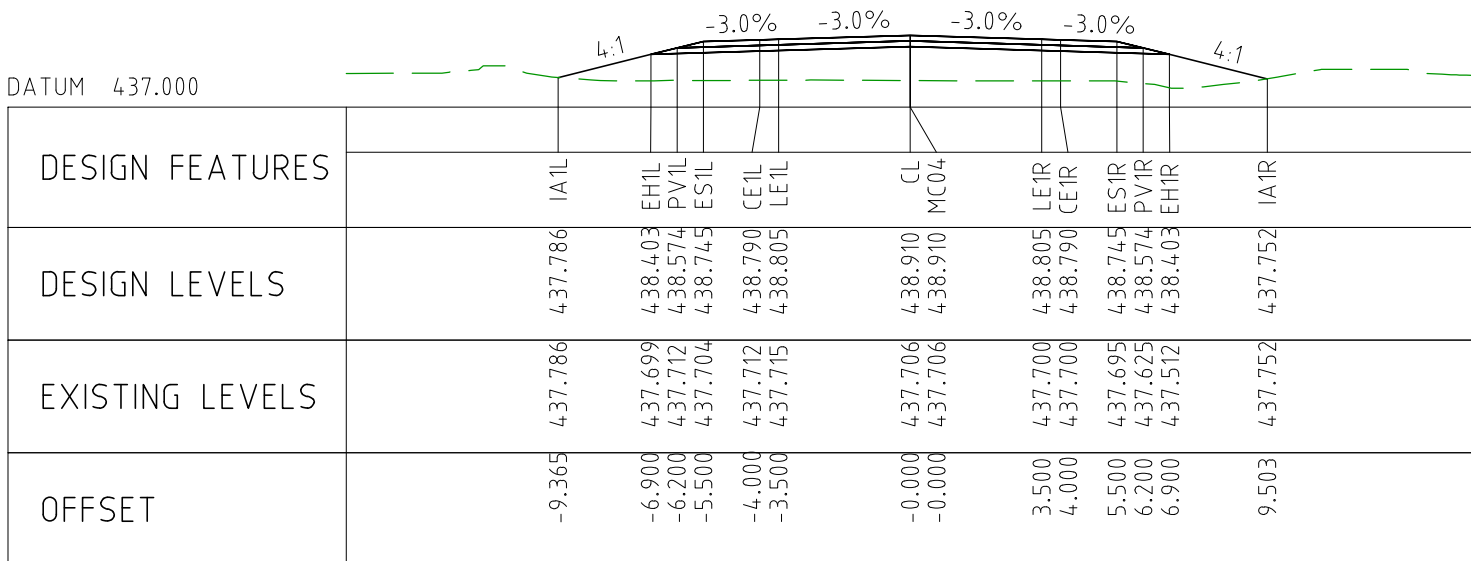
CHAINAGE 92050



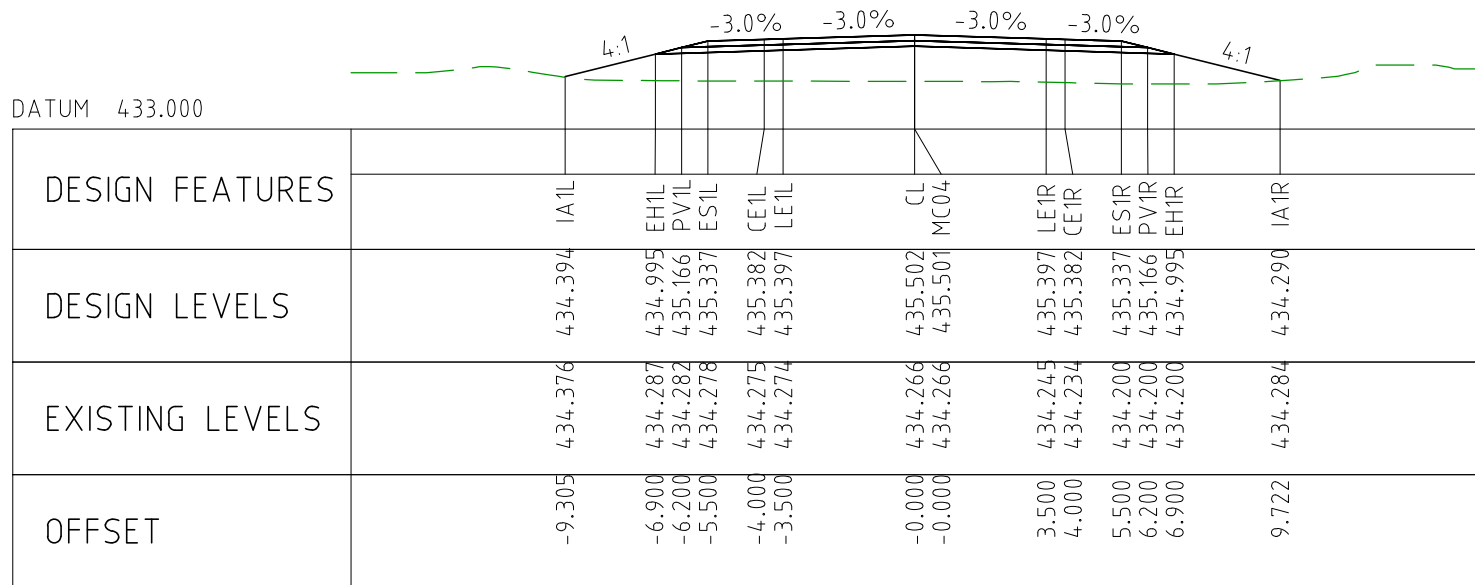
CHAINAGE 91500



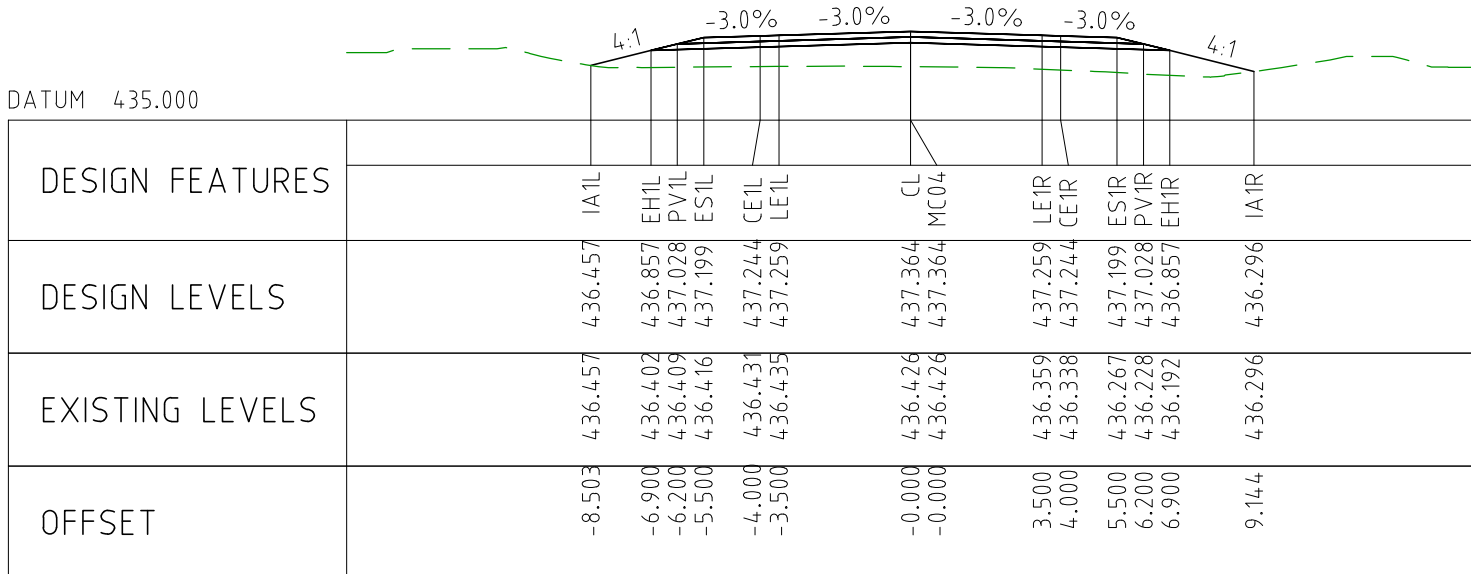
CHAINAGE 91750



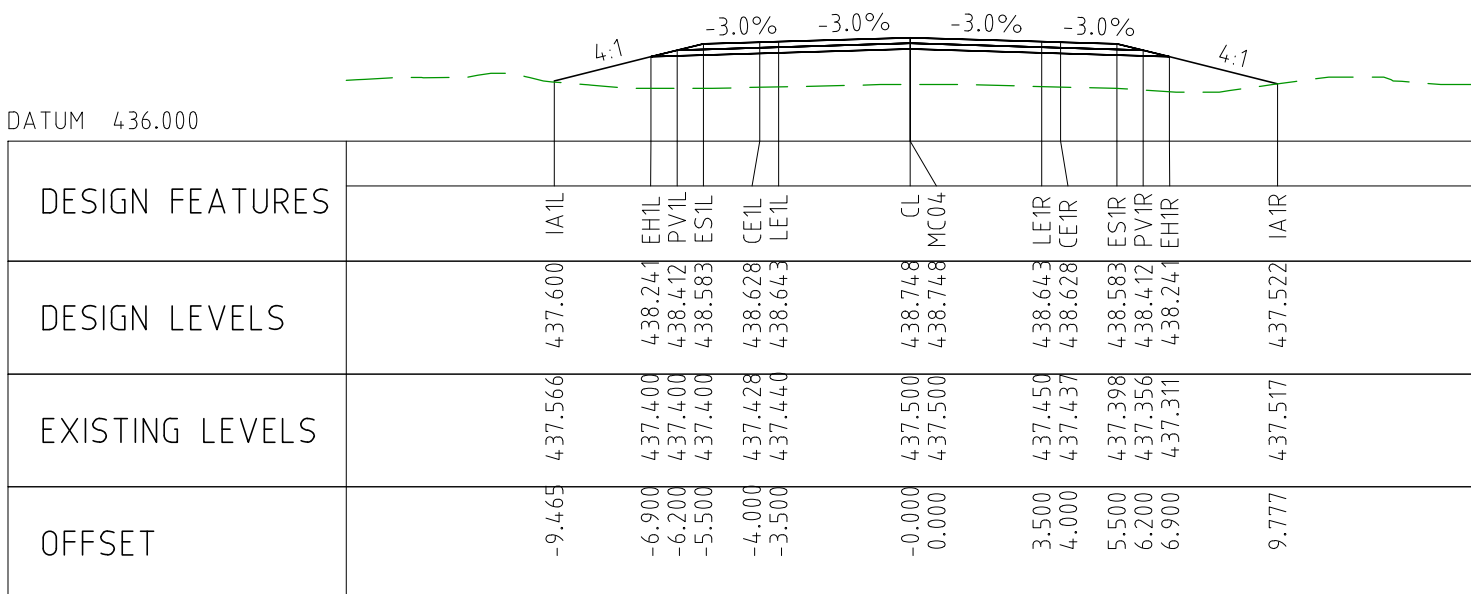
CHAINAGE 92000



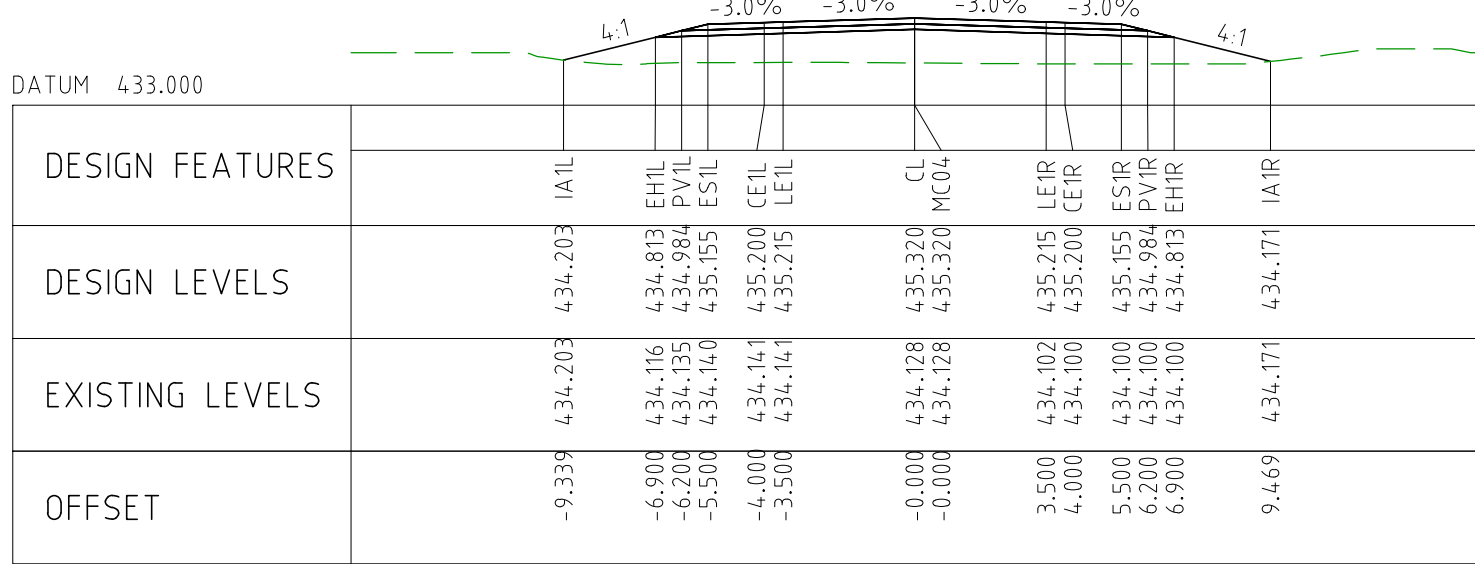
CHAINAGE 91450



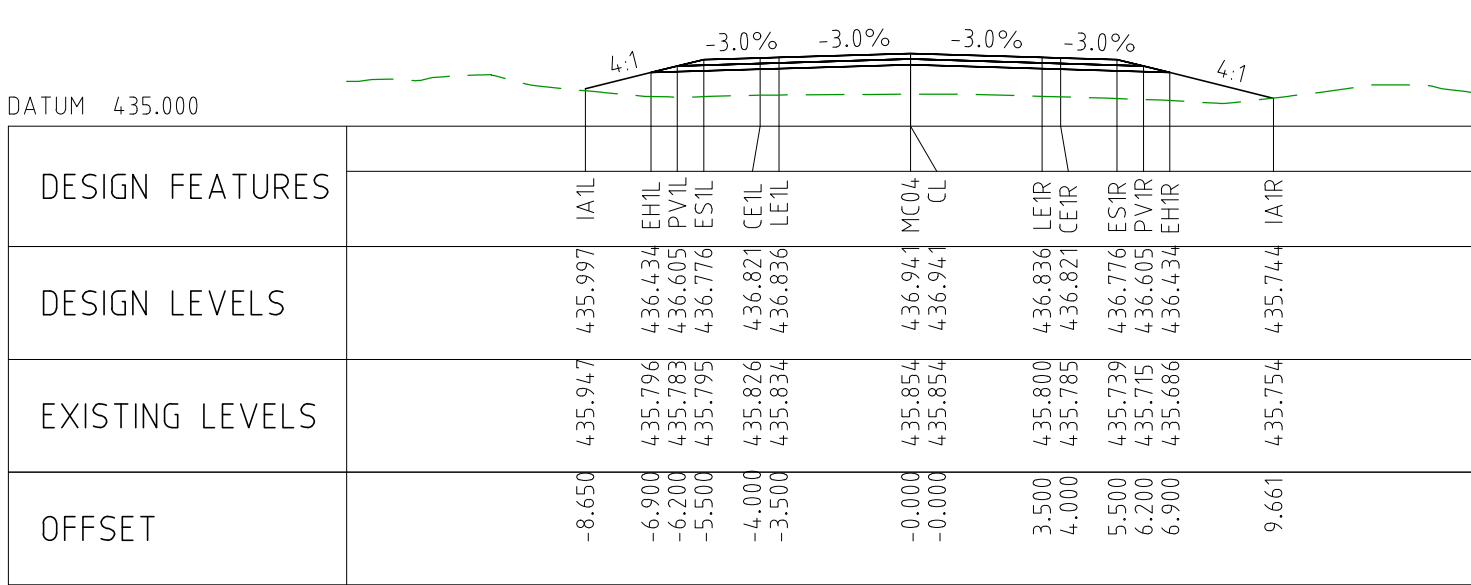
CHAINAGE 91700



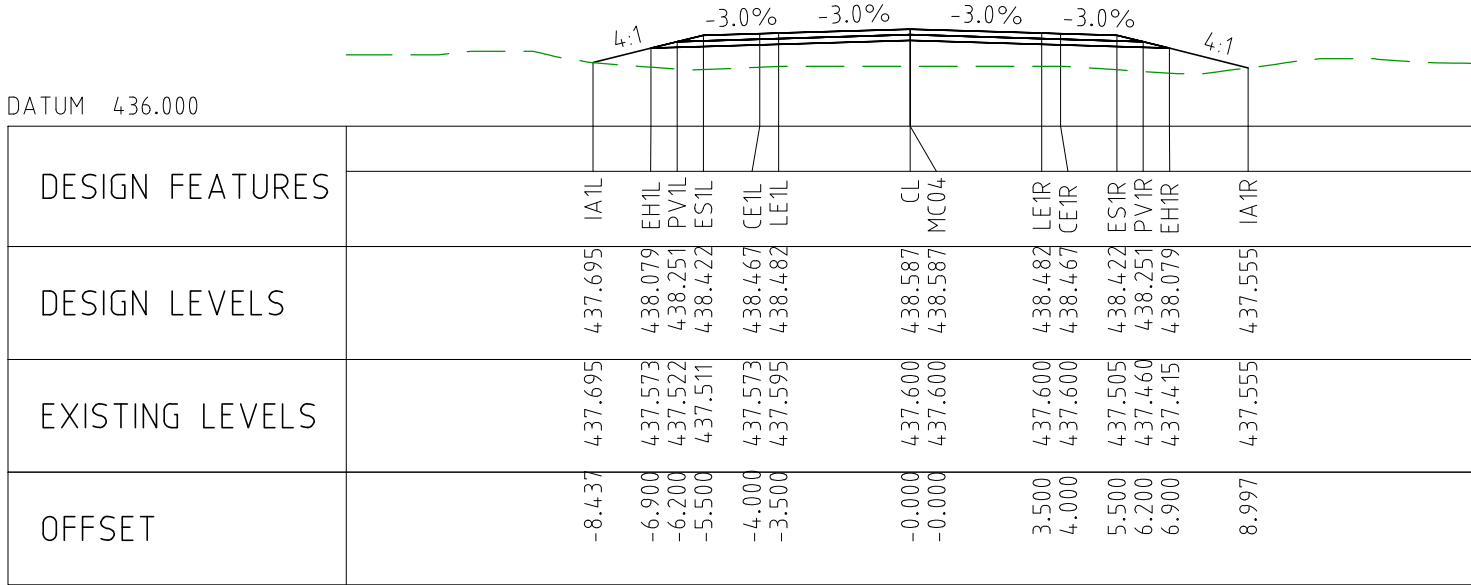
CHAINAGE 91950



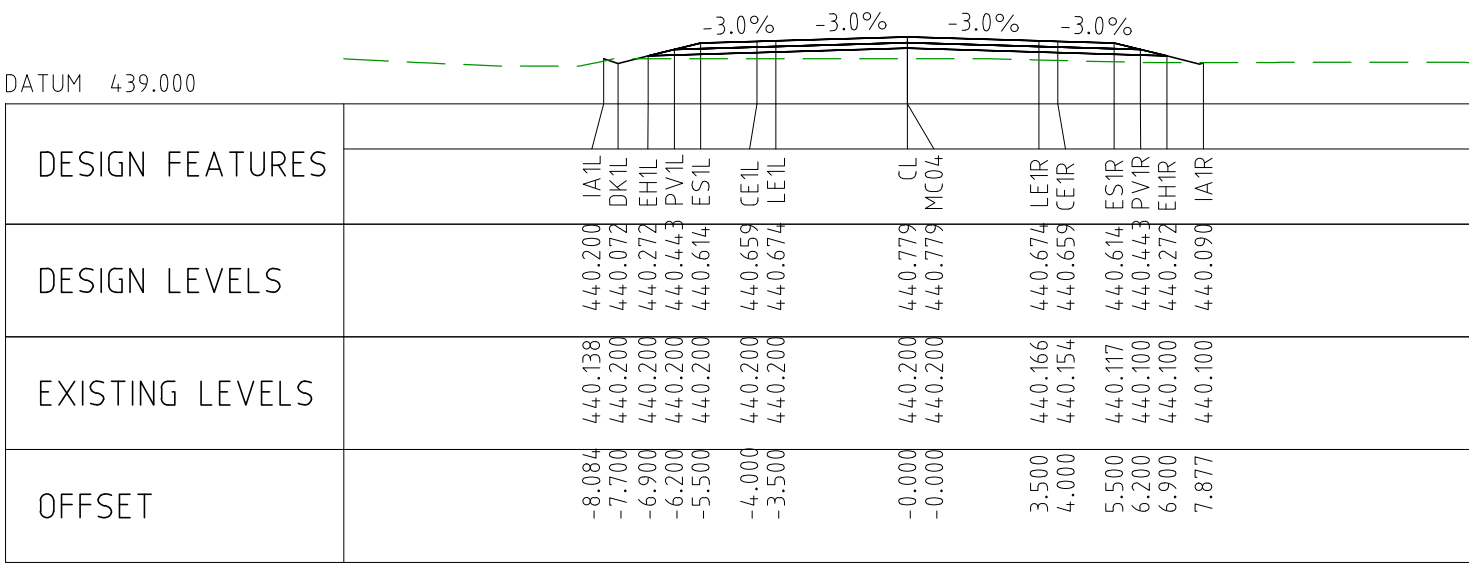
CHAINAGE 91400



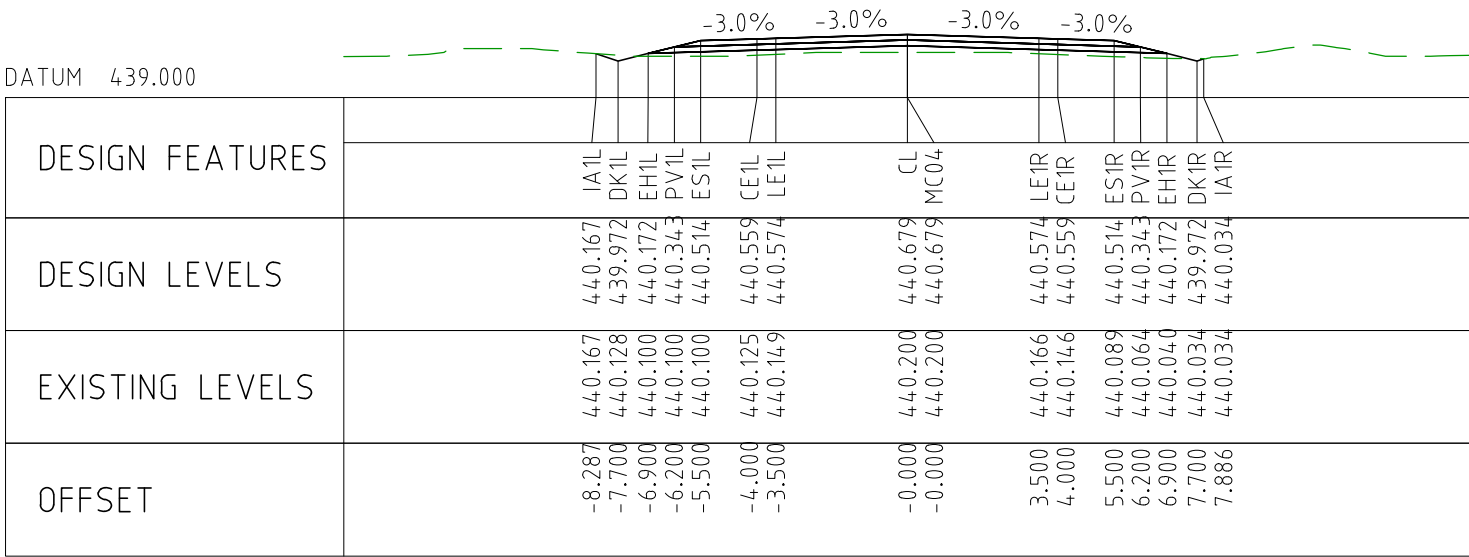
CHAINAGE 91650



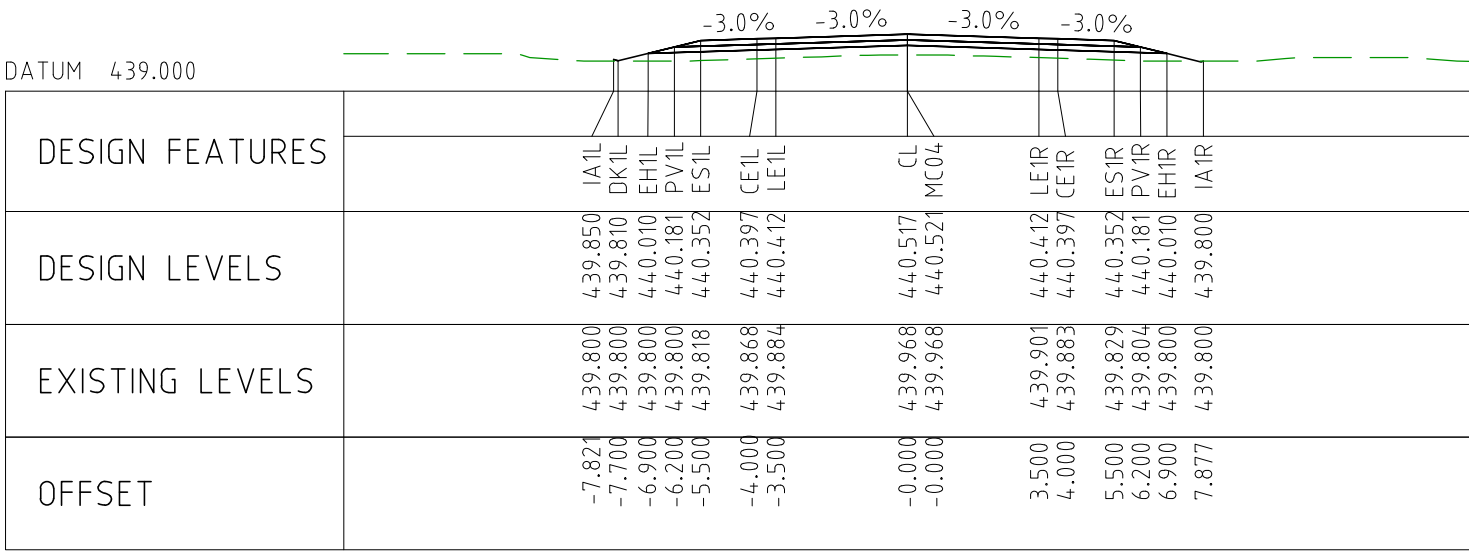
CHAINAGE 91900



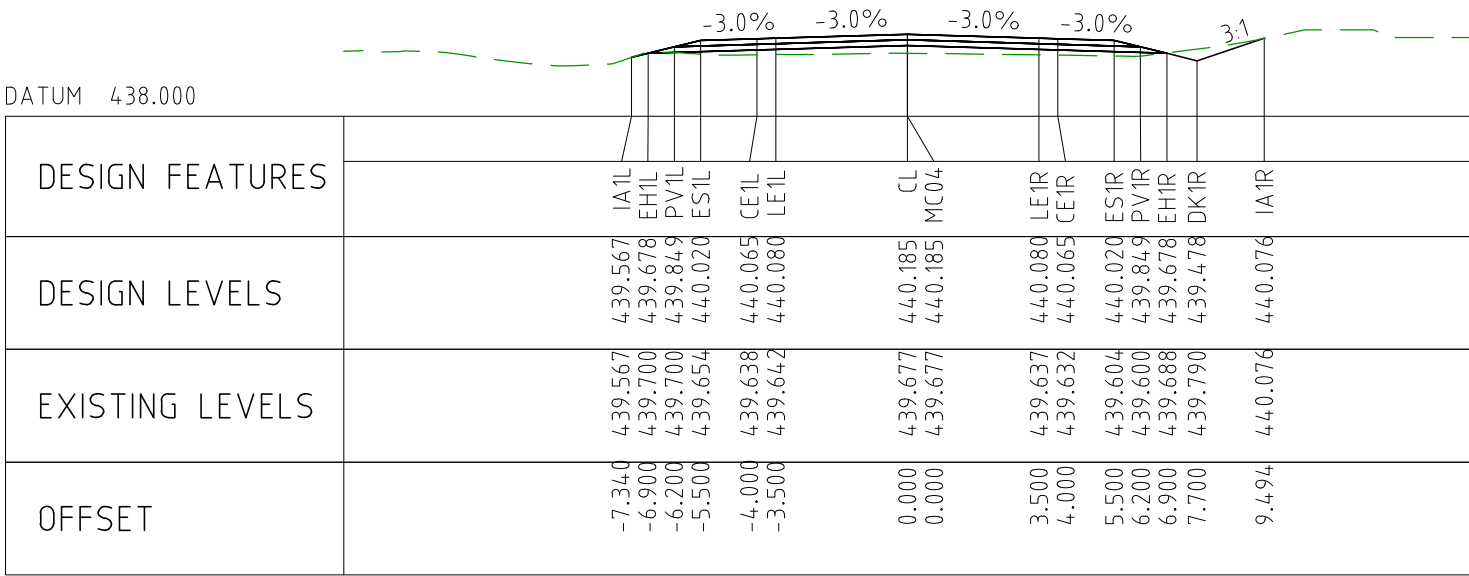
CHAINAGE 92350



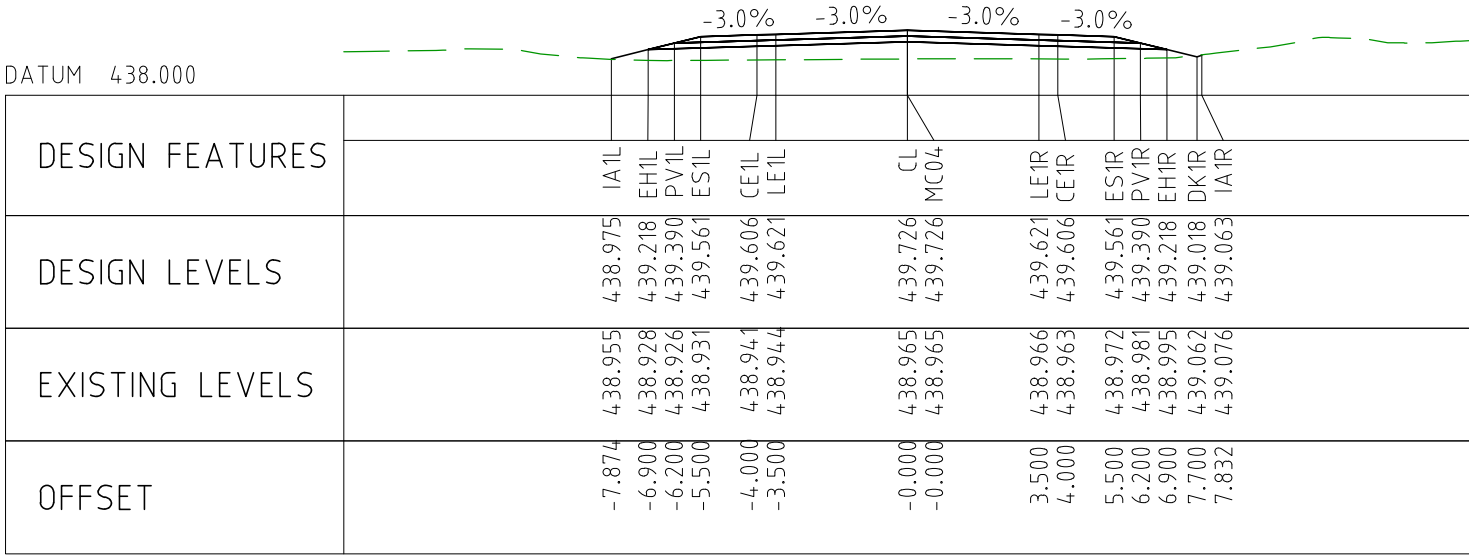
CHAINAGE 92300



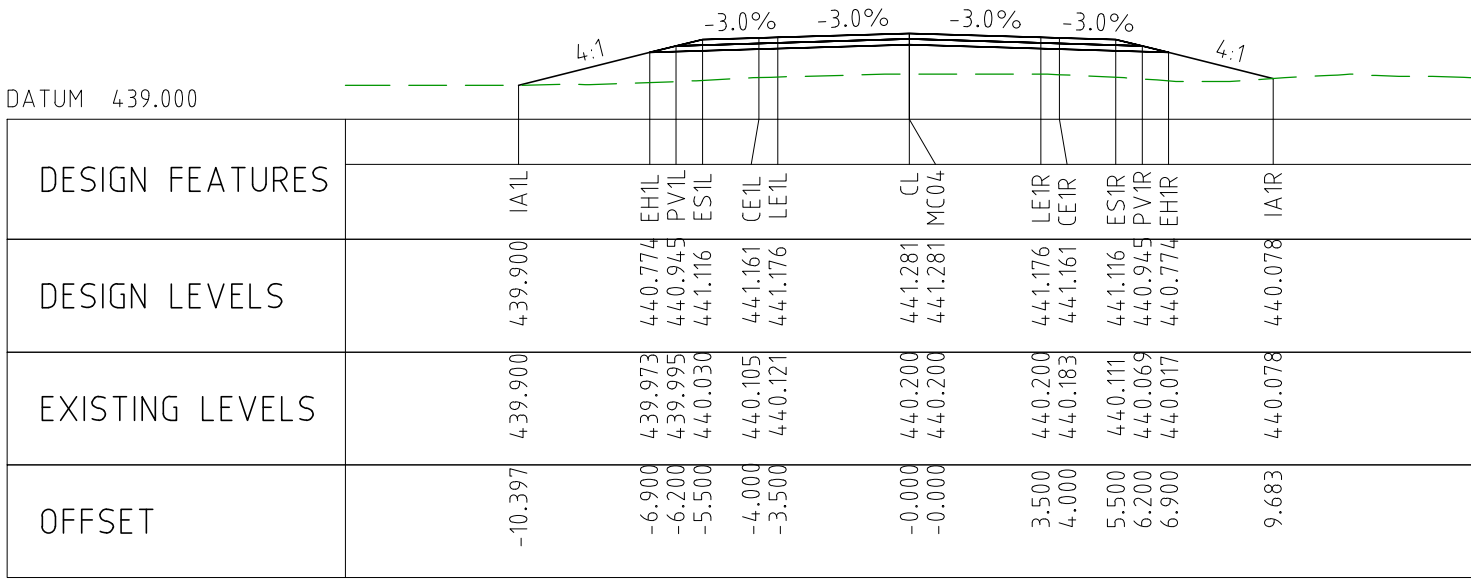
CHAINAGE 92250



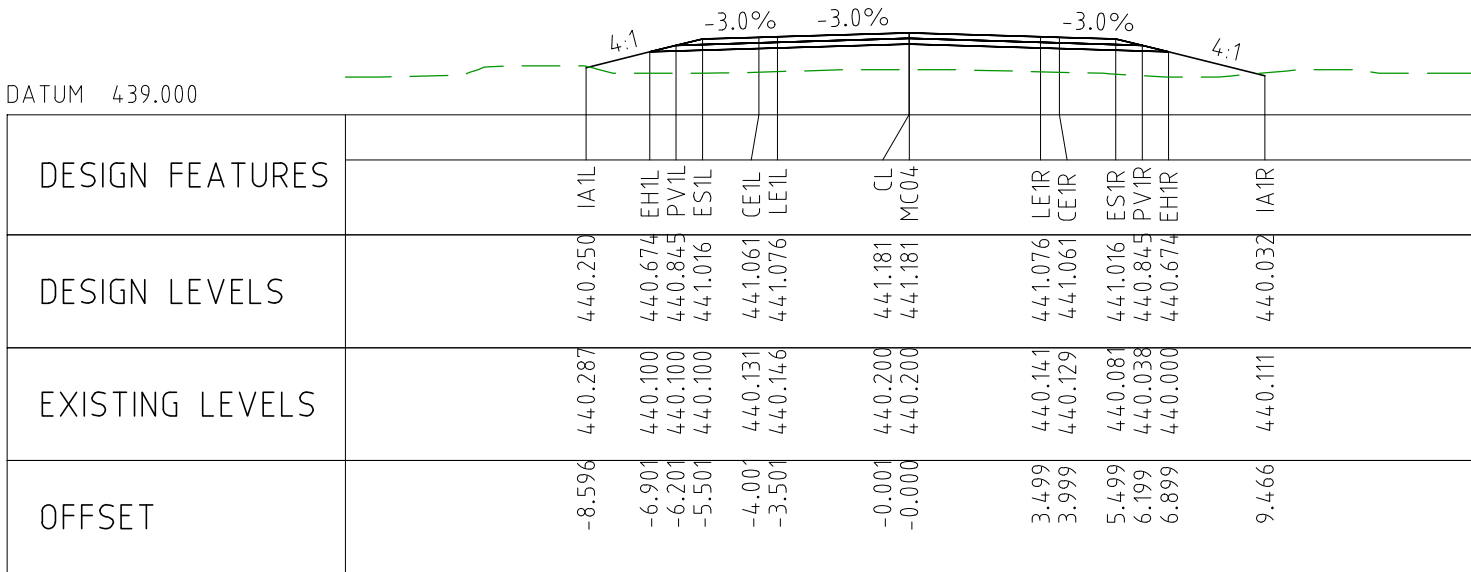
CHAINAGE 92200



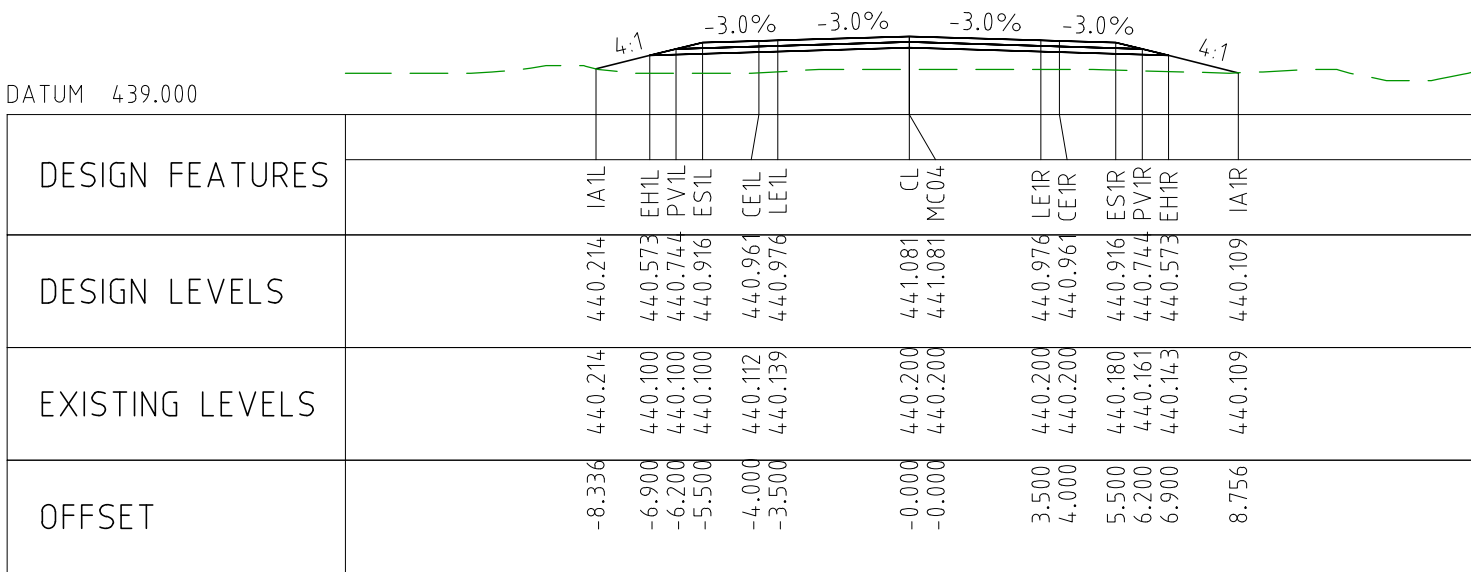
CHAINAGE 92150



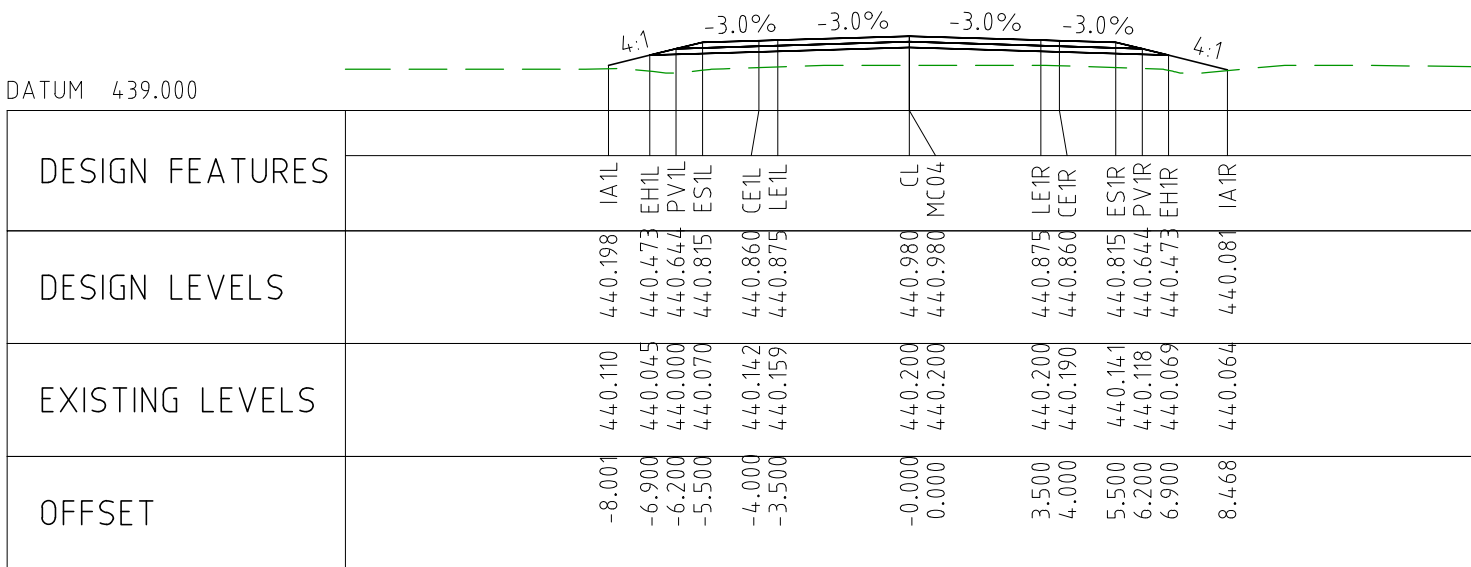
CHAINAGE 92600



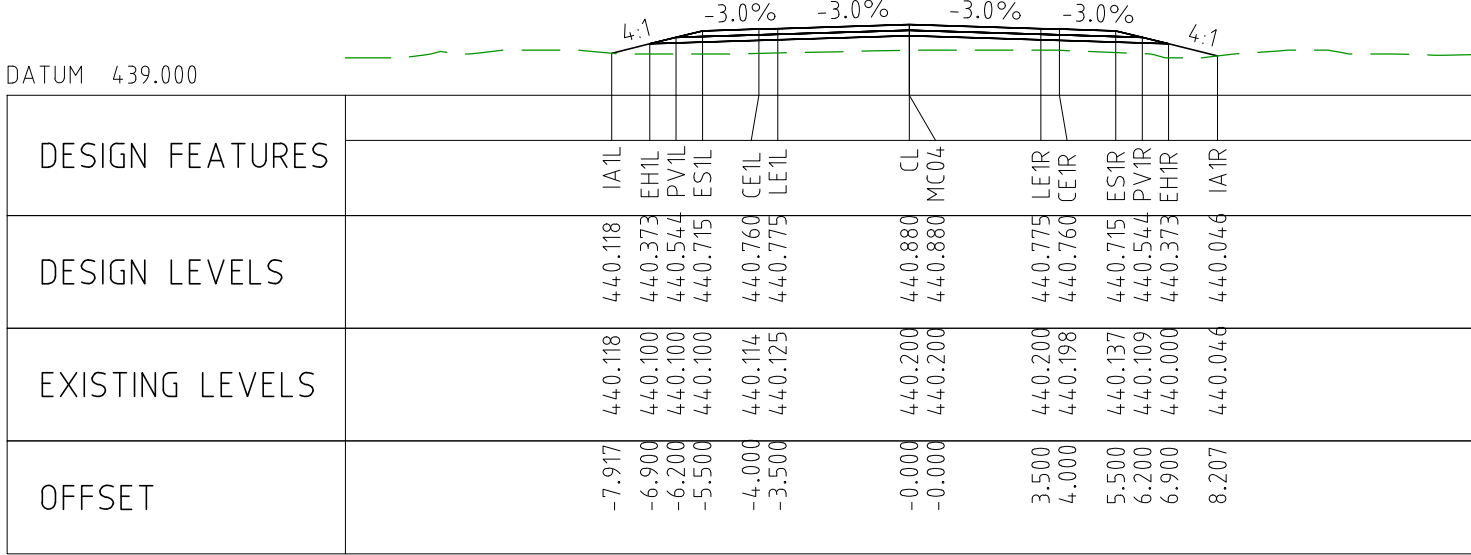
CHAINAGE 92550



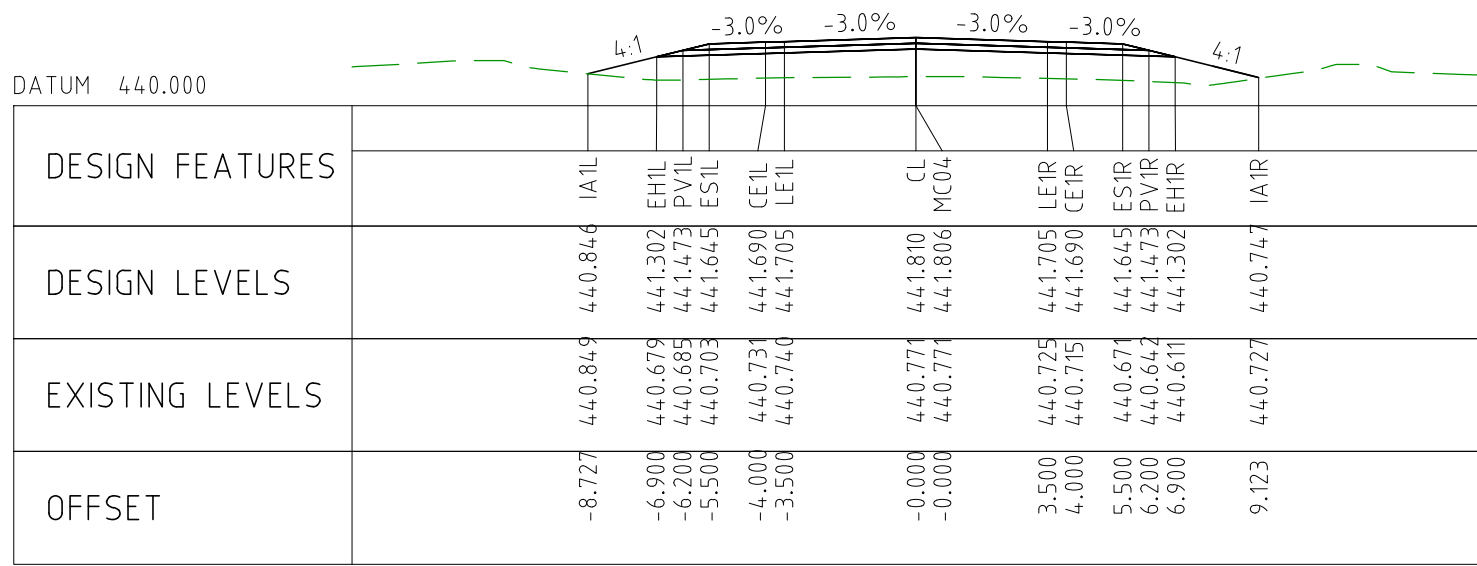
CHAINAGE 92500



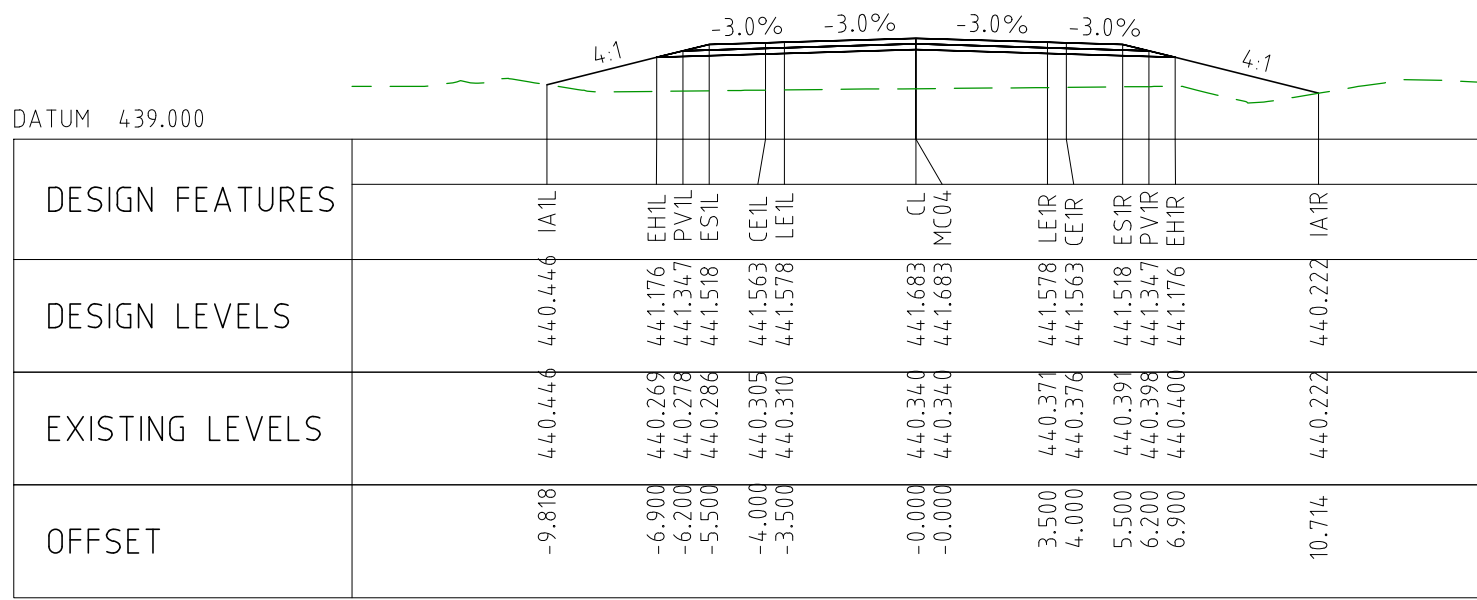
CHAINAGE 92450



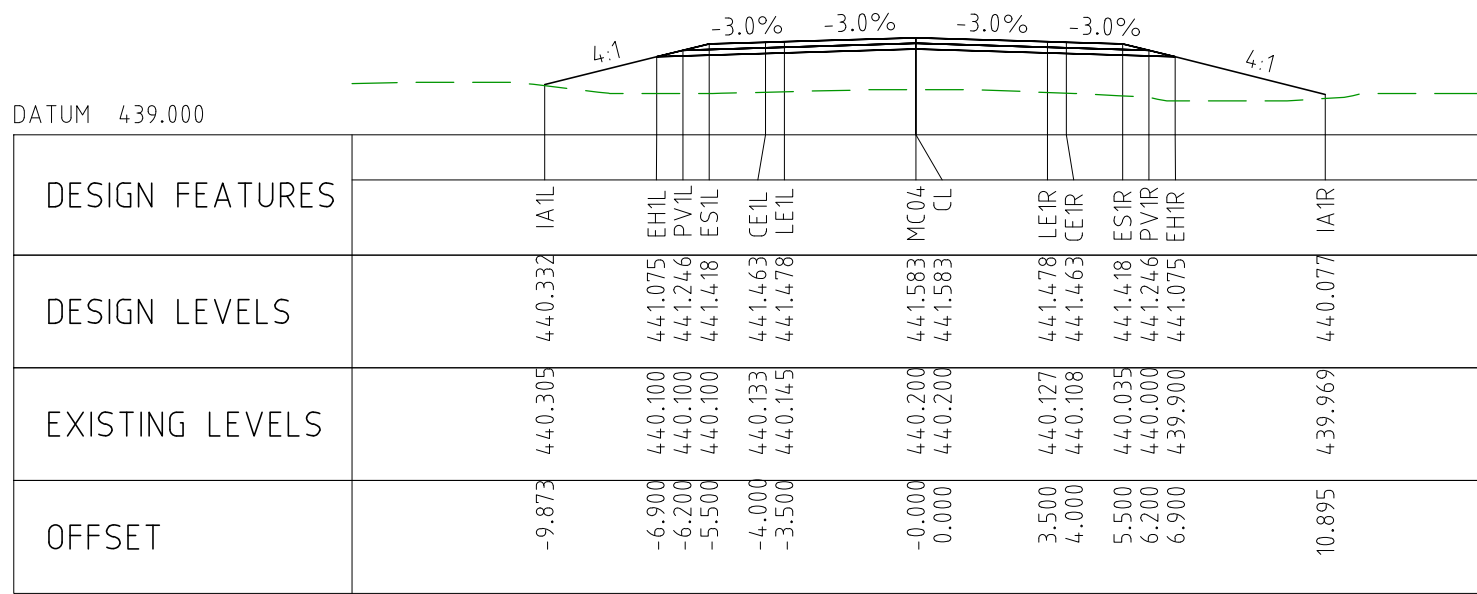
CHAINAGE 92400



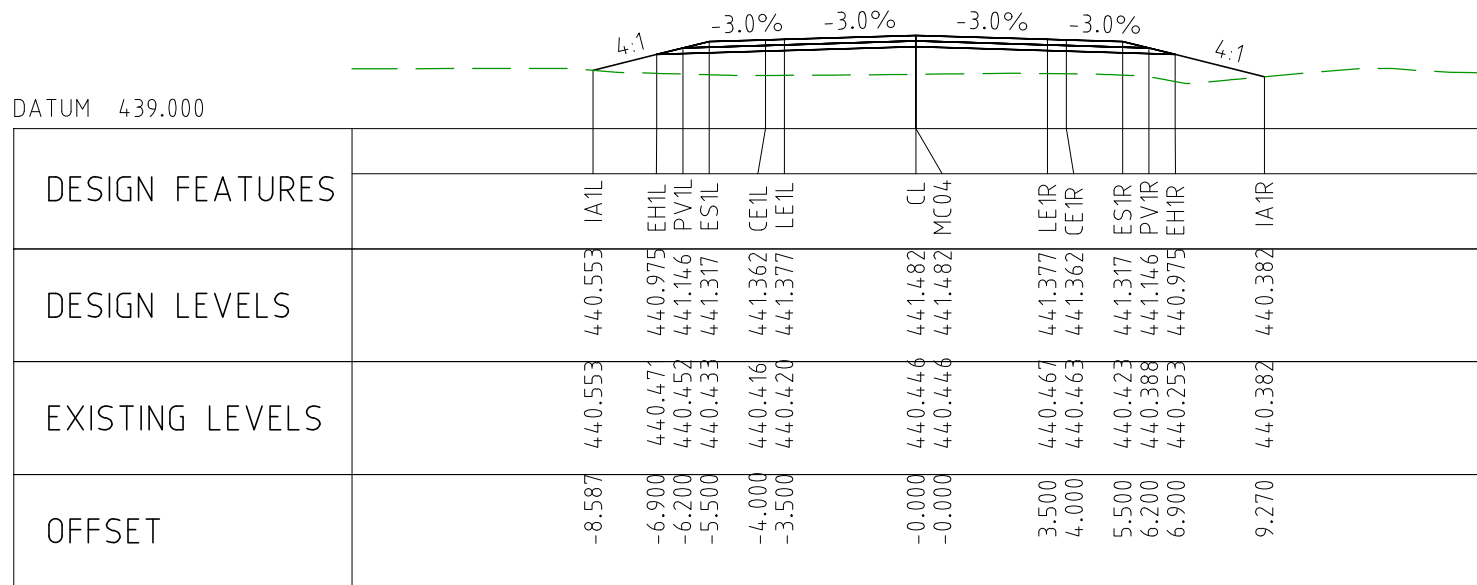
CHAINAGE 92850



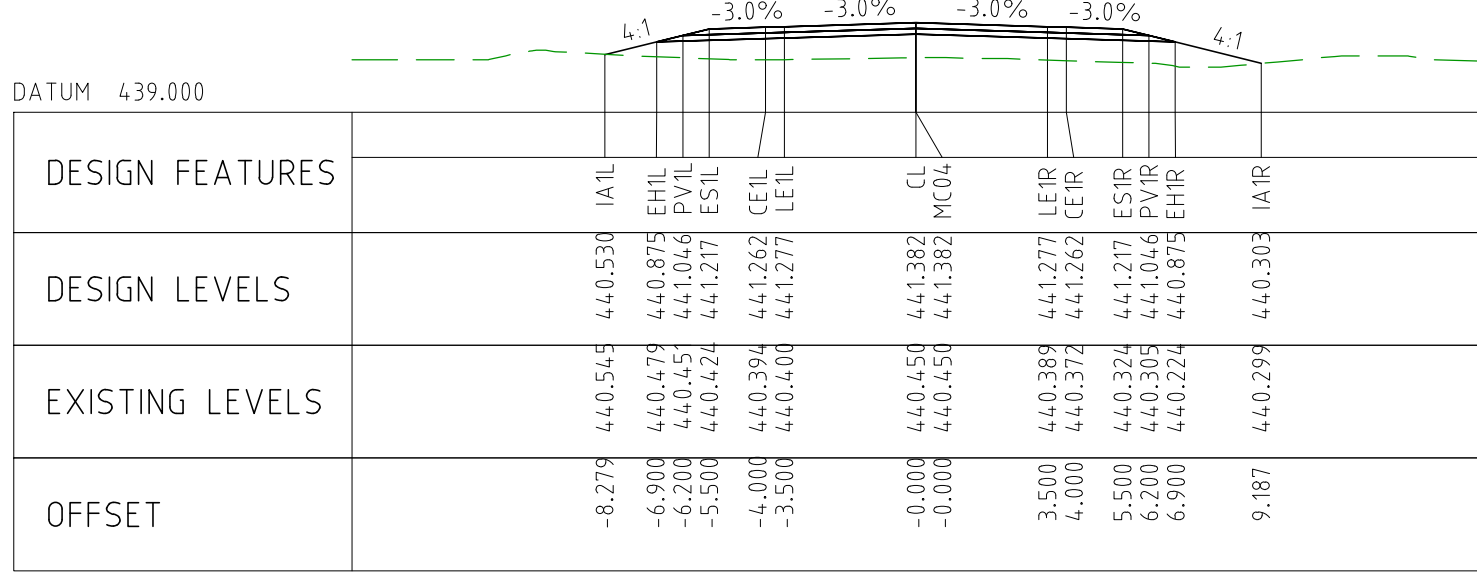
CHAINAGE 92800



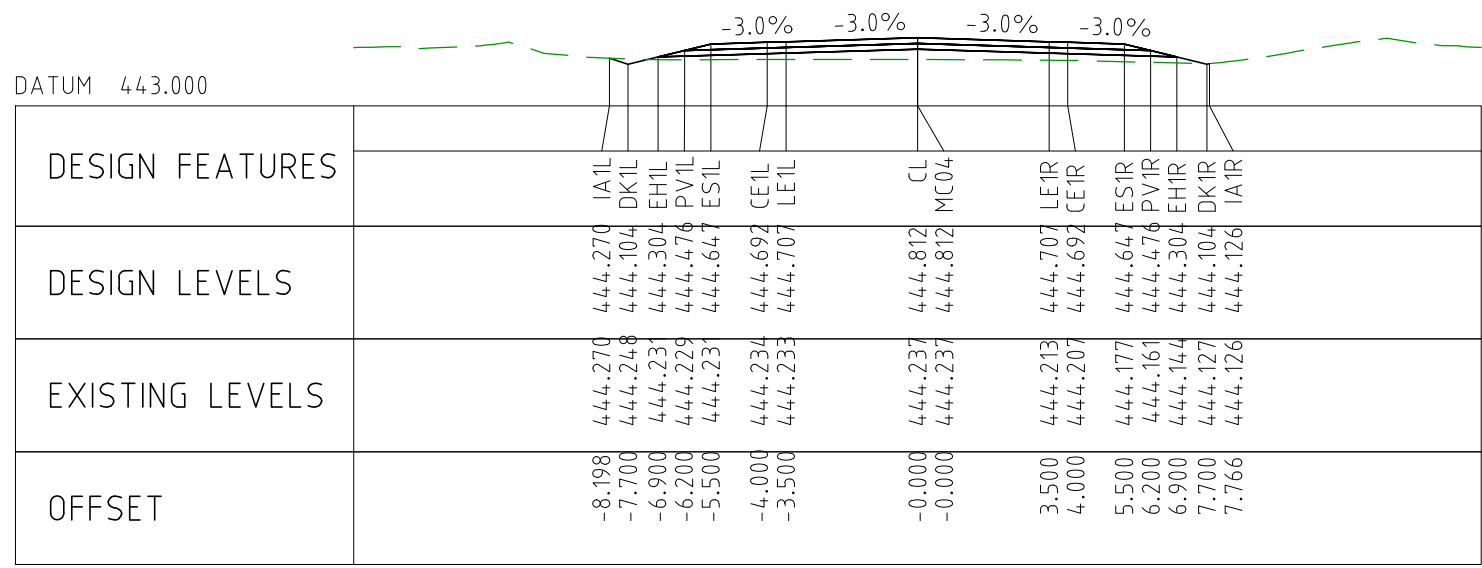
CHAINAGE 92750



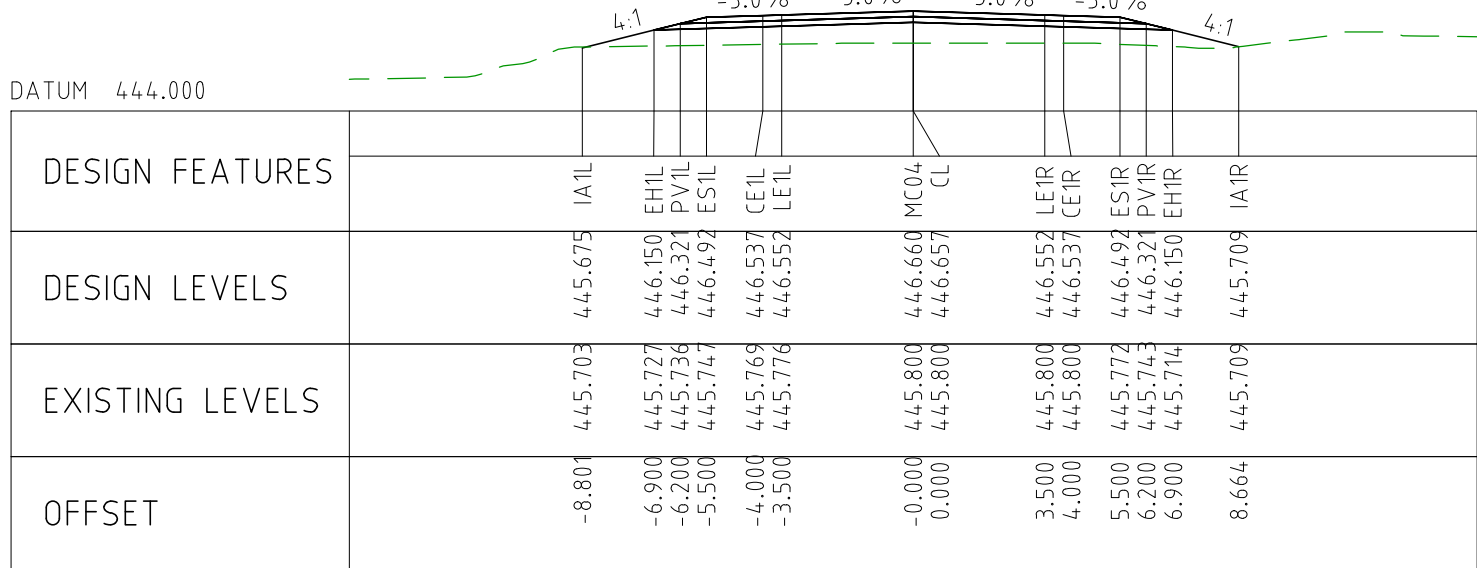
CHAINAGE 92700



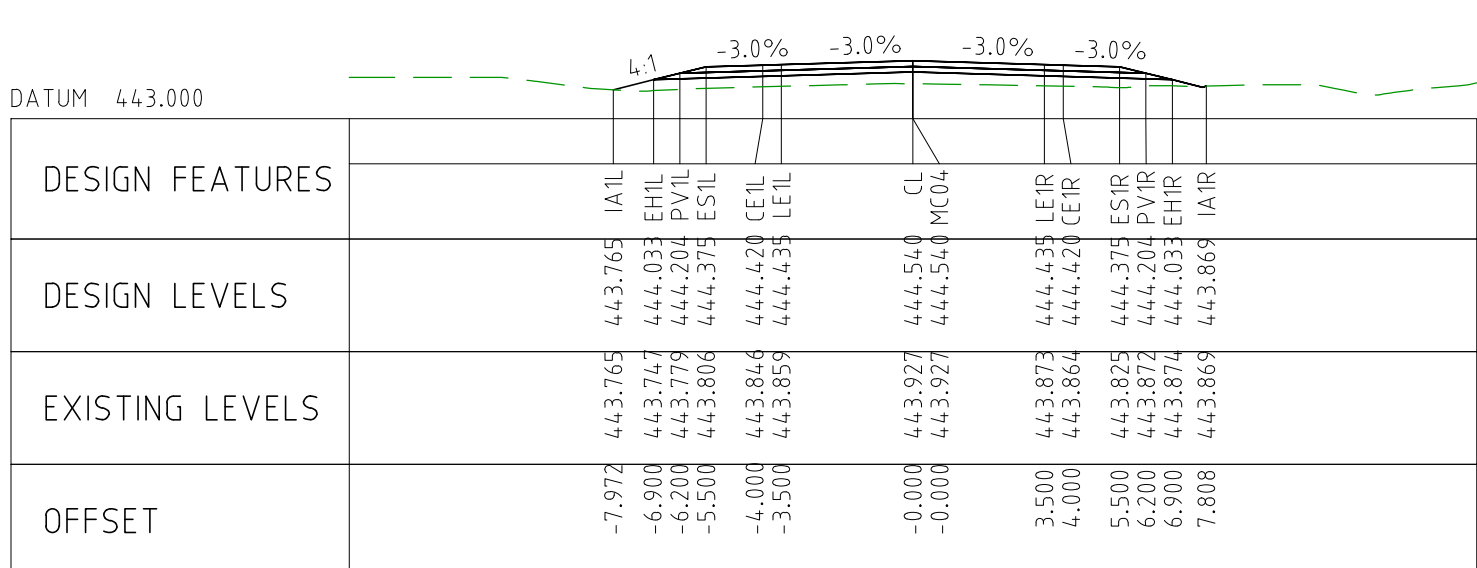
CHAINAGE 92650



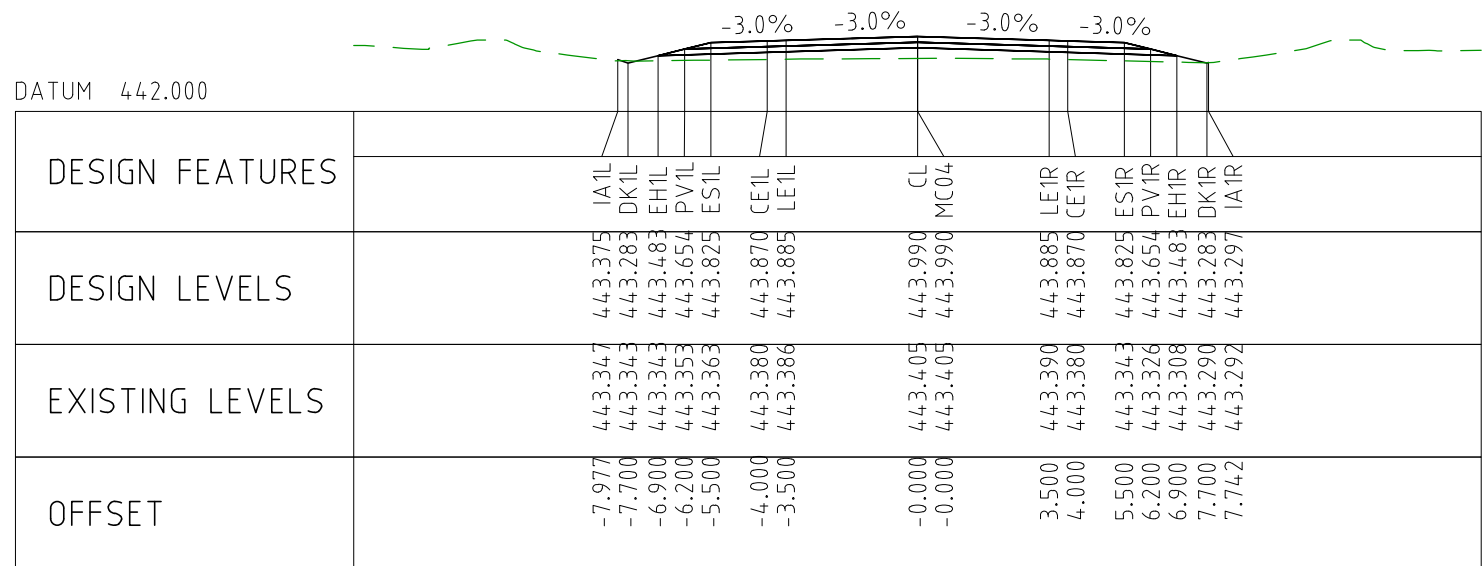
CHAINAGE 93100



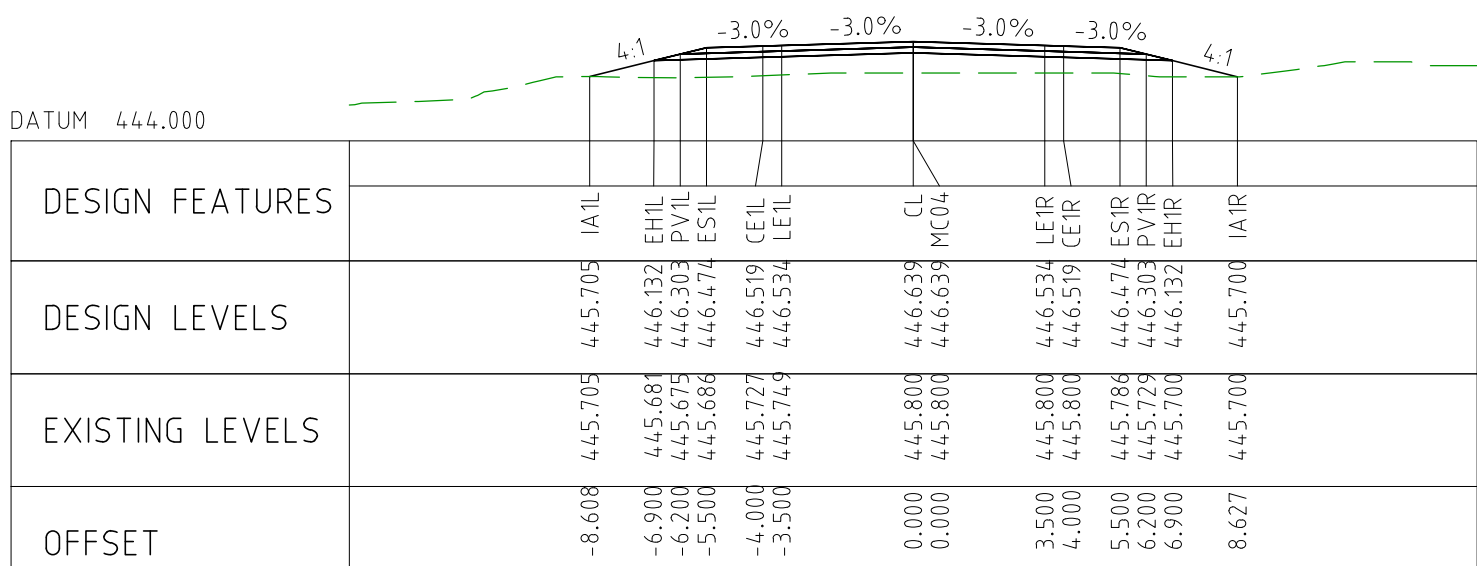
CHAINAGE 93350



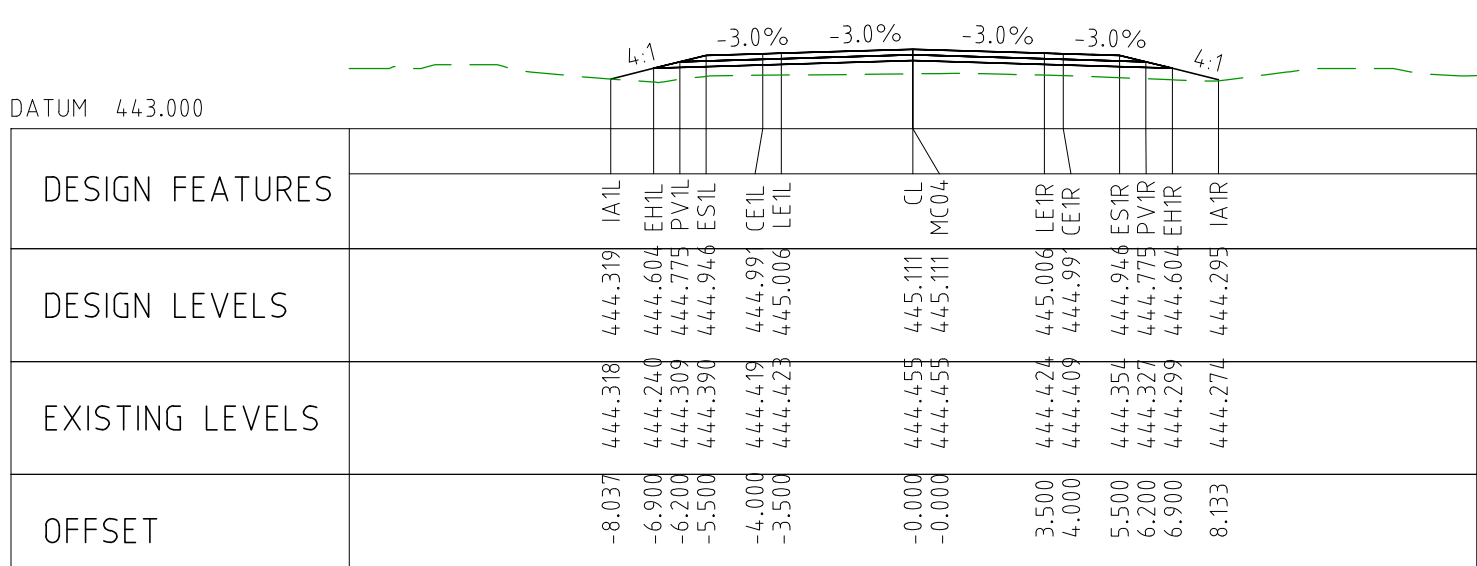
CHAINAGE 93600



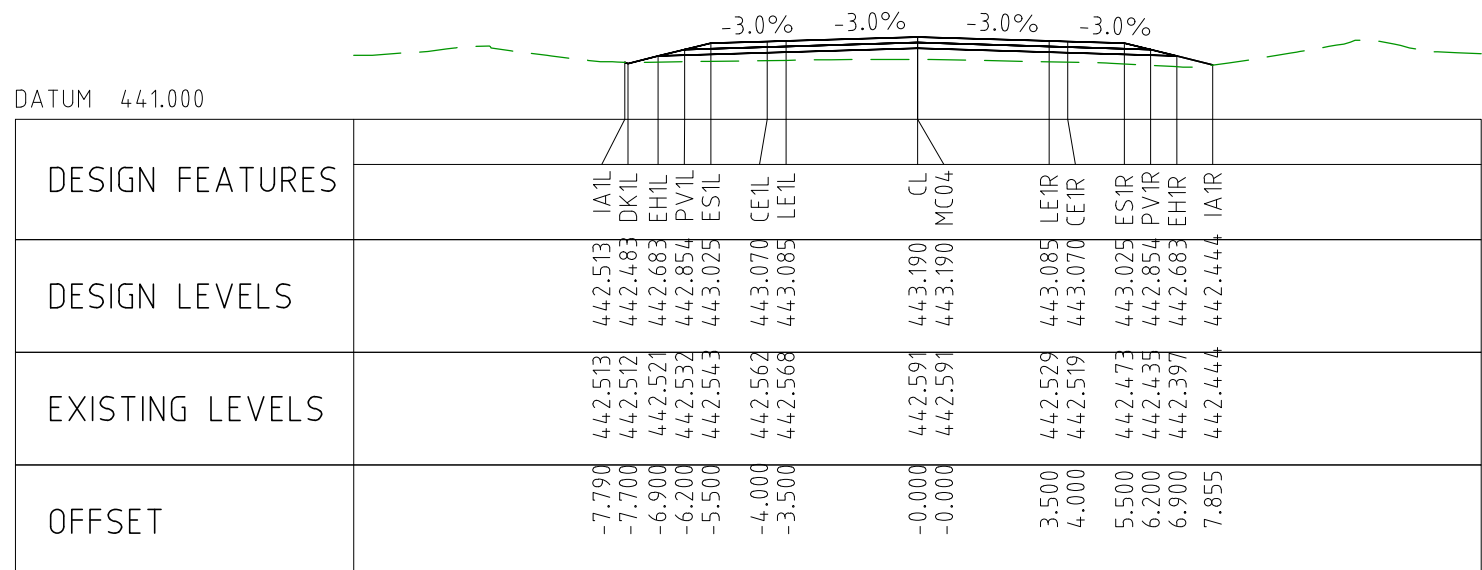
CHAINAGE 93050



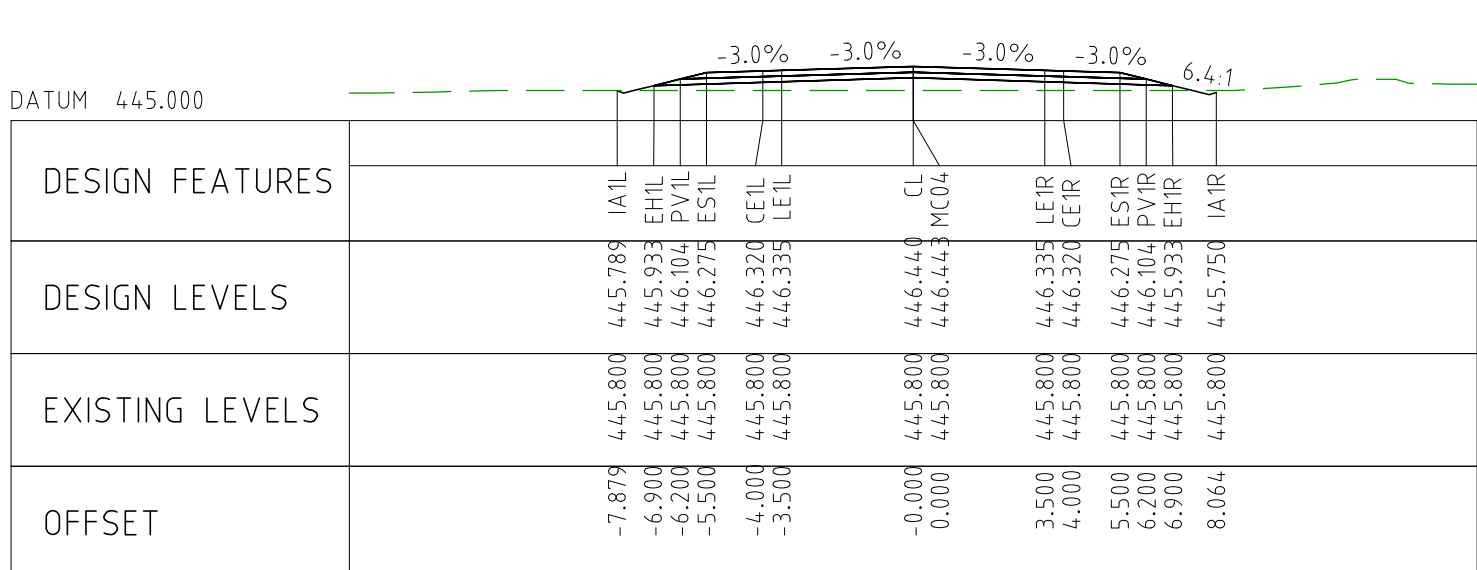
CHAINAGE 93300



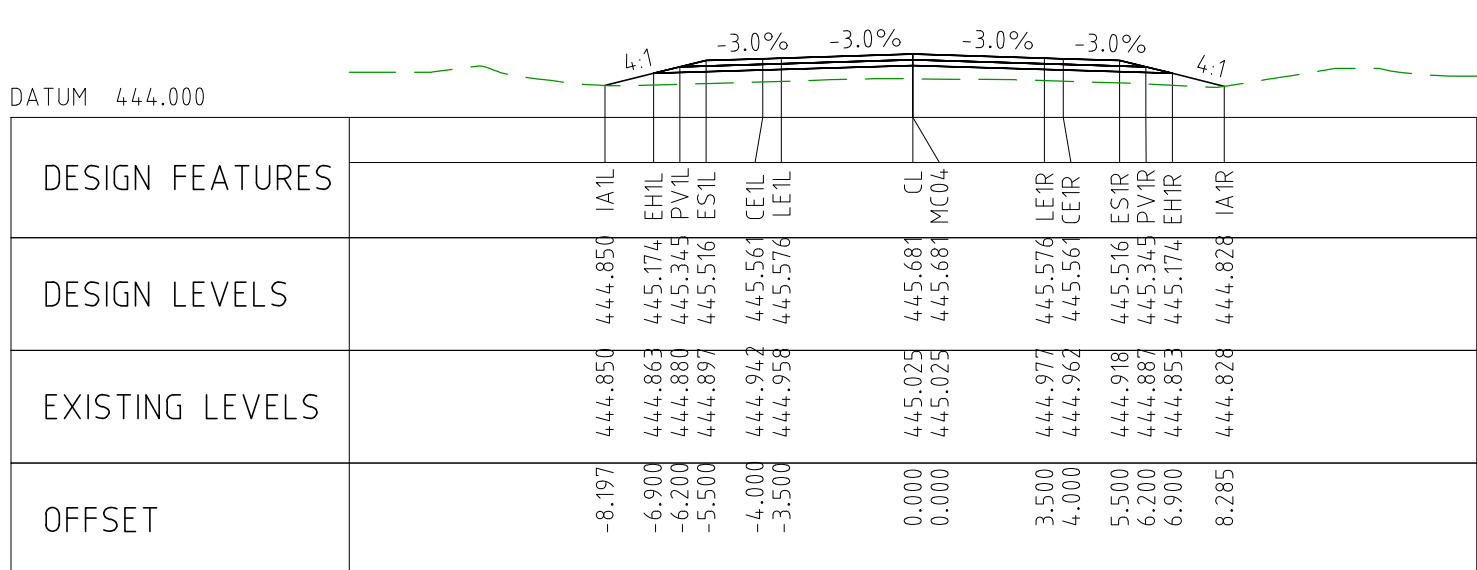
CHAINAGE 93550



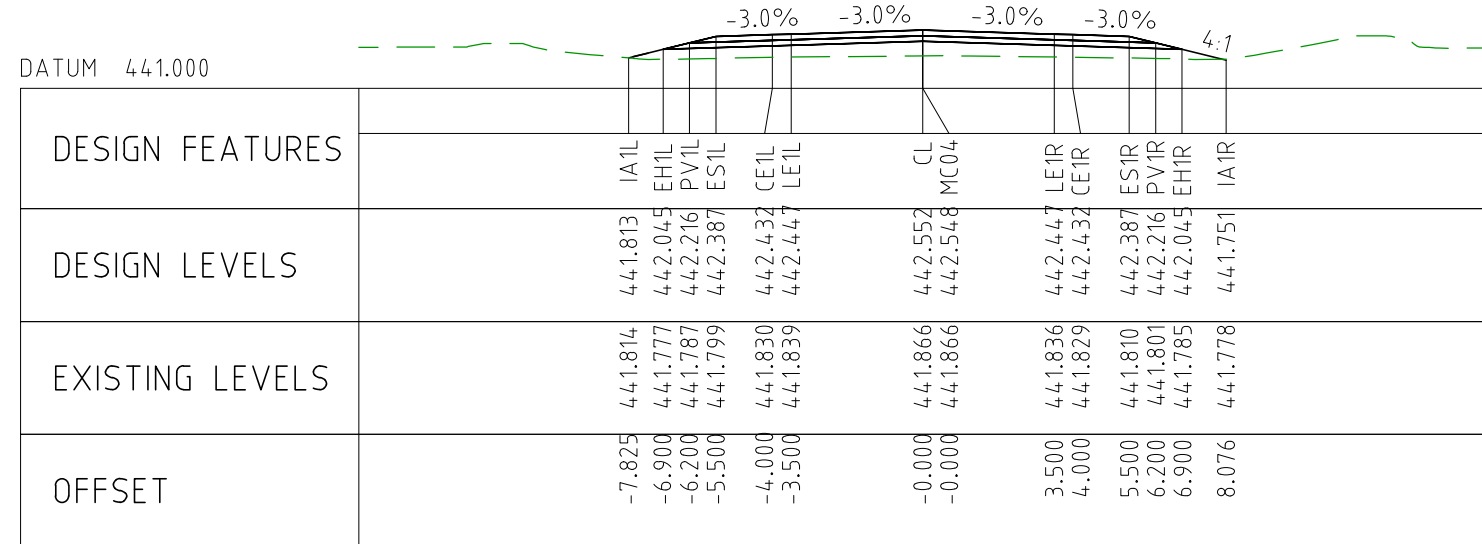
CHAINAGE 93000



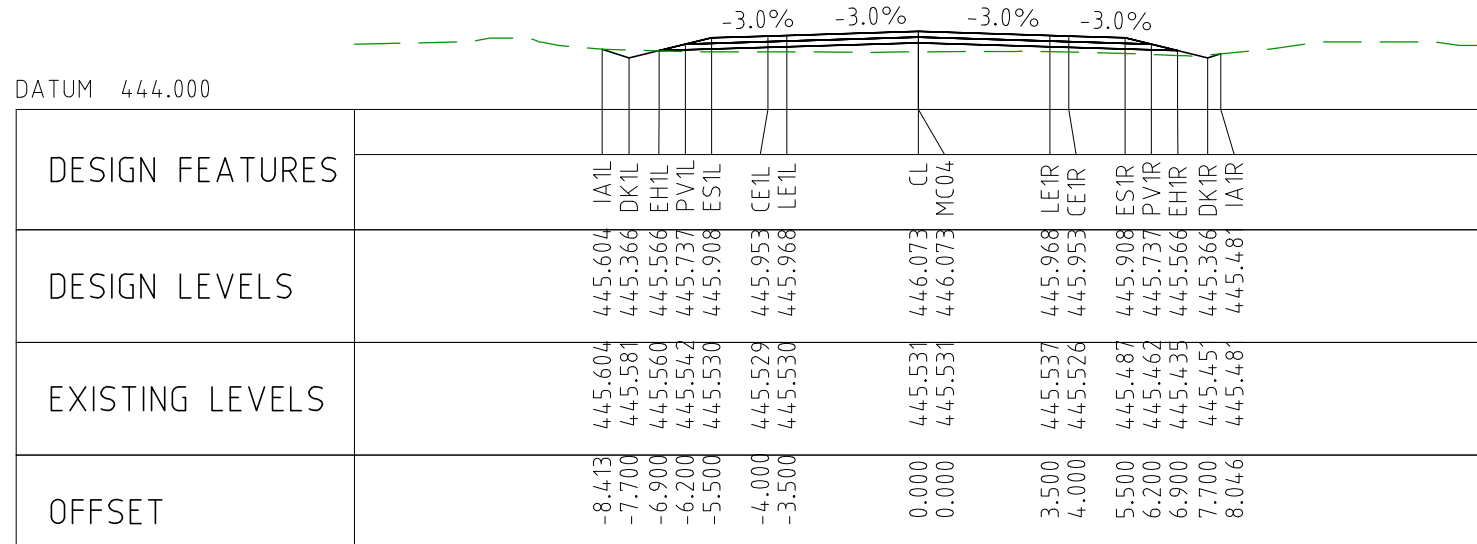
CHAINAGE 93250



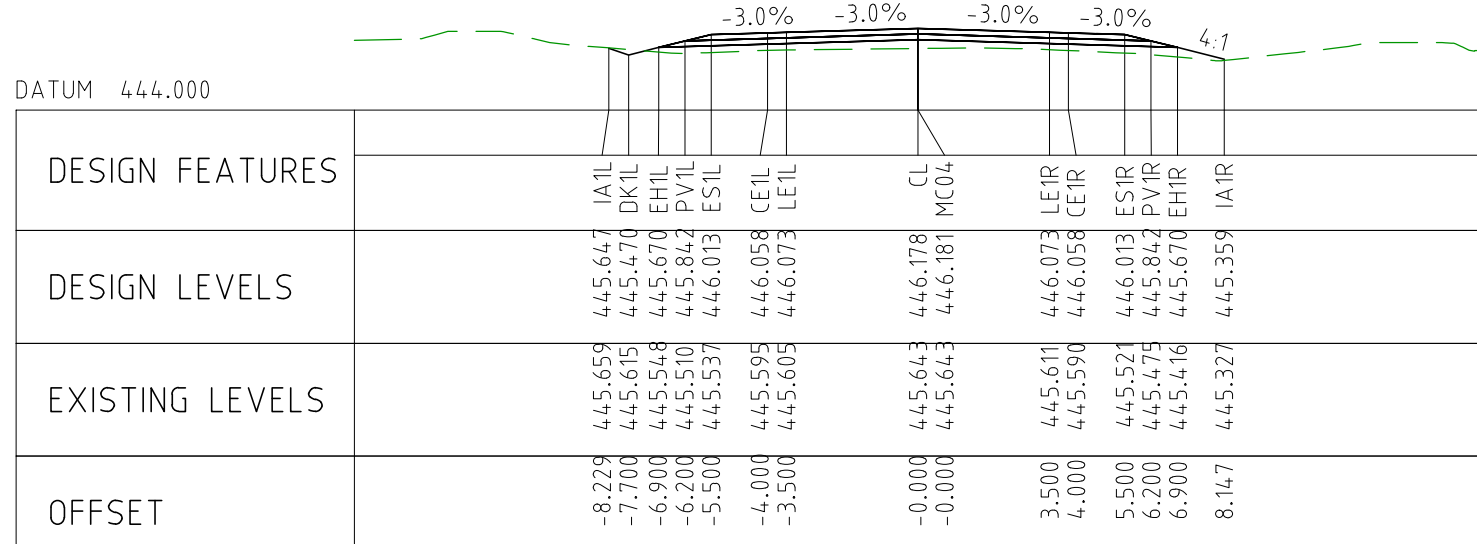
CHAINAGE 93500



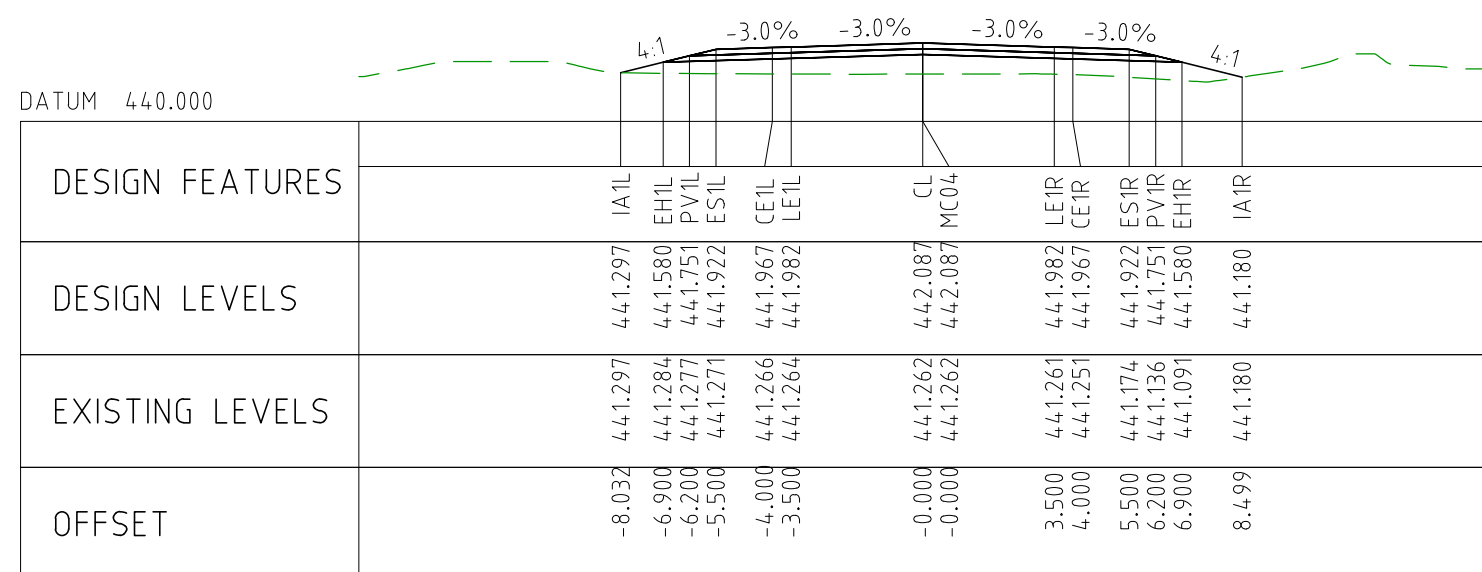
CHAINAGE 92950



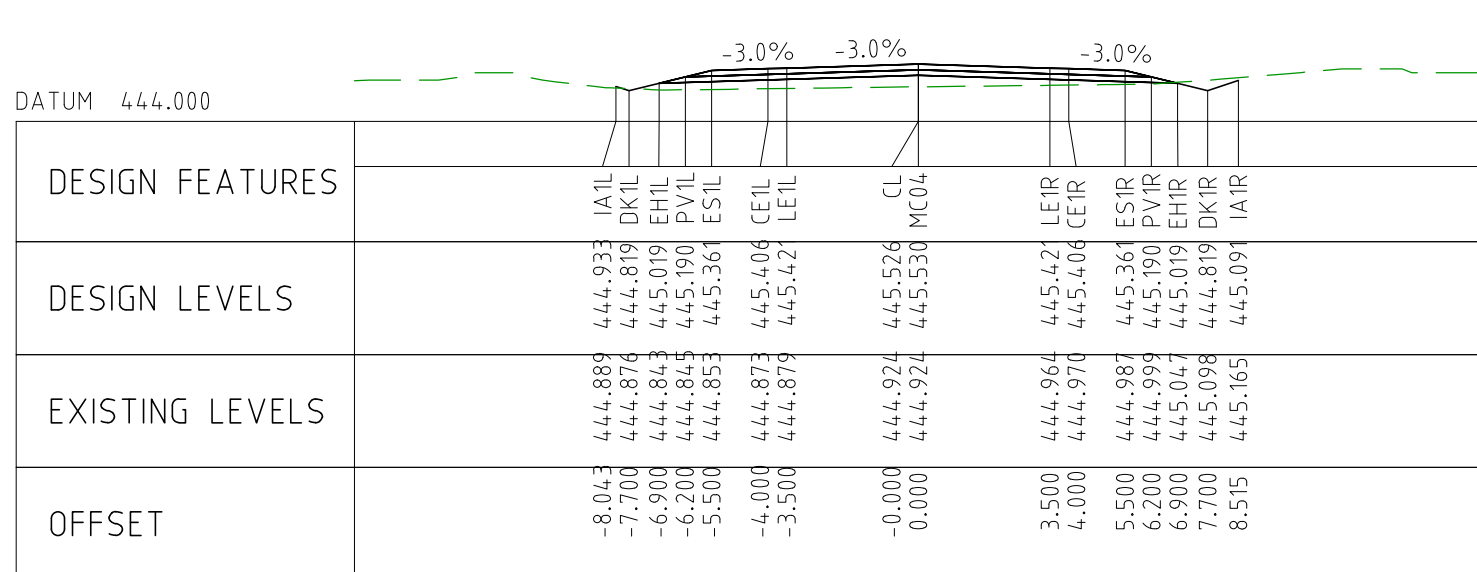
CHAINAGE 93200



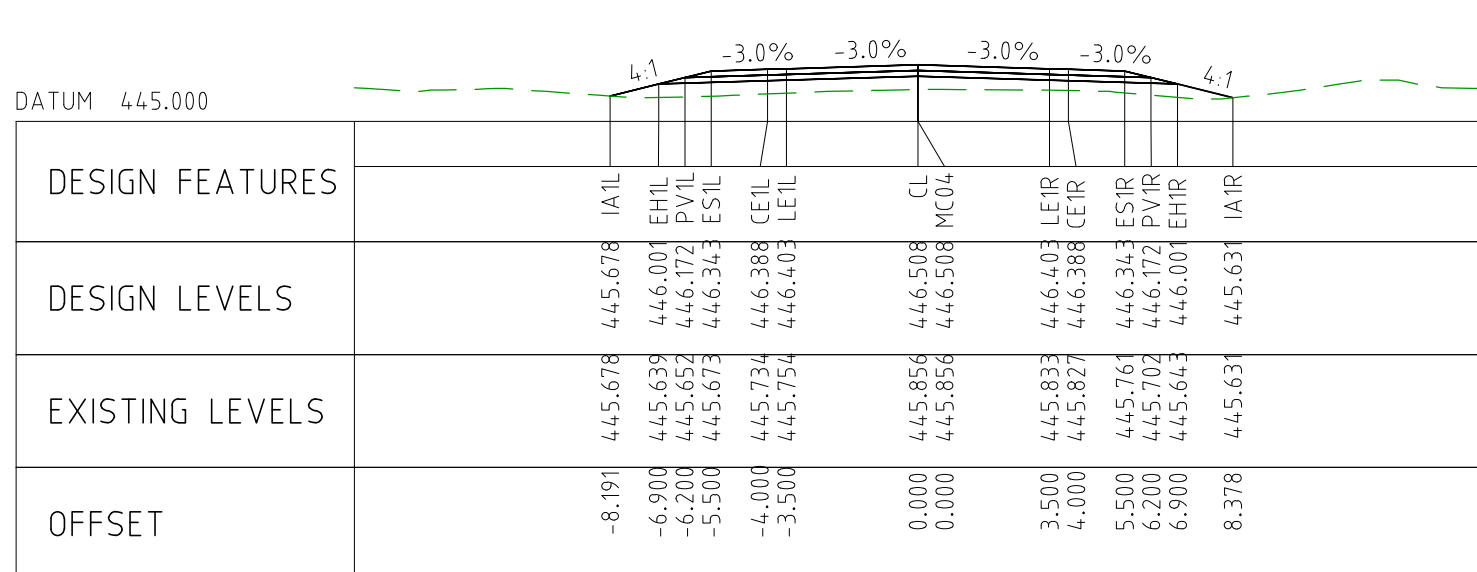
CHAINAGE 93450



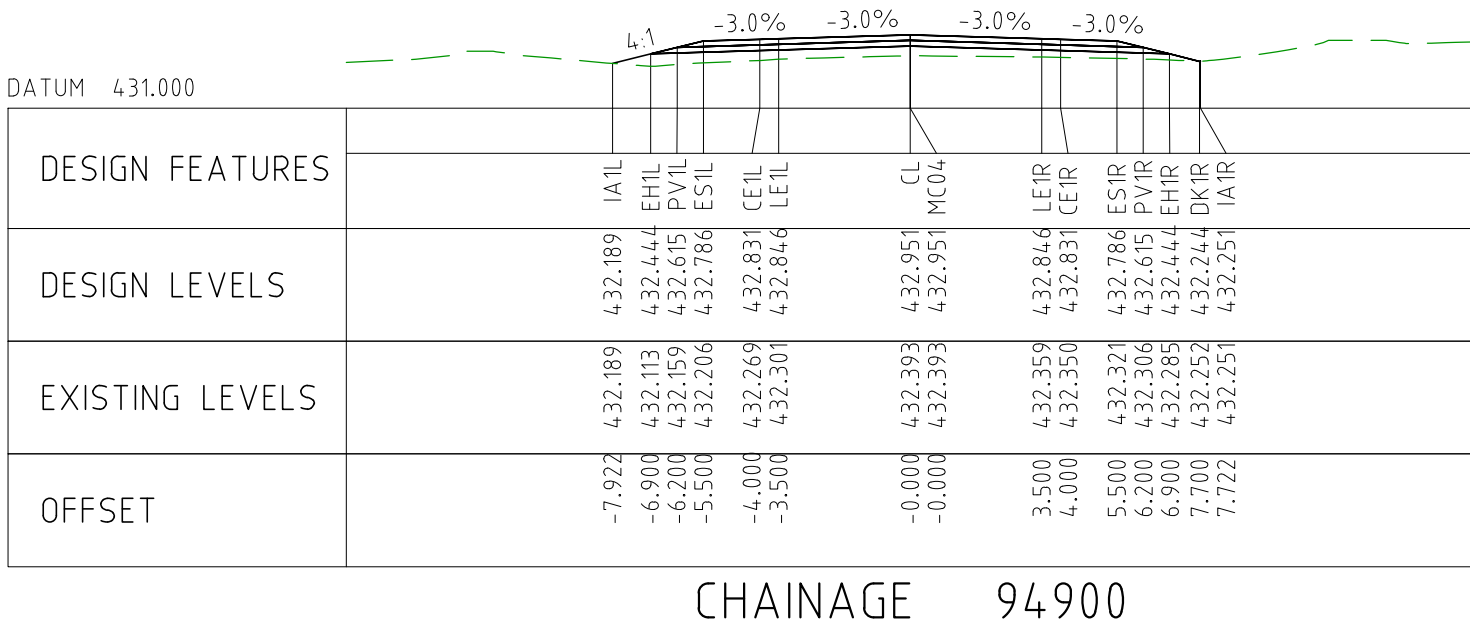
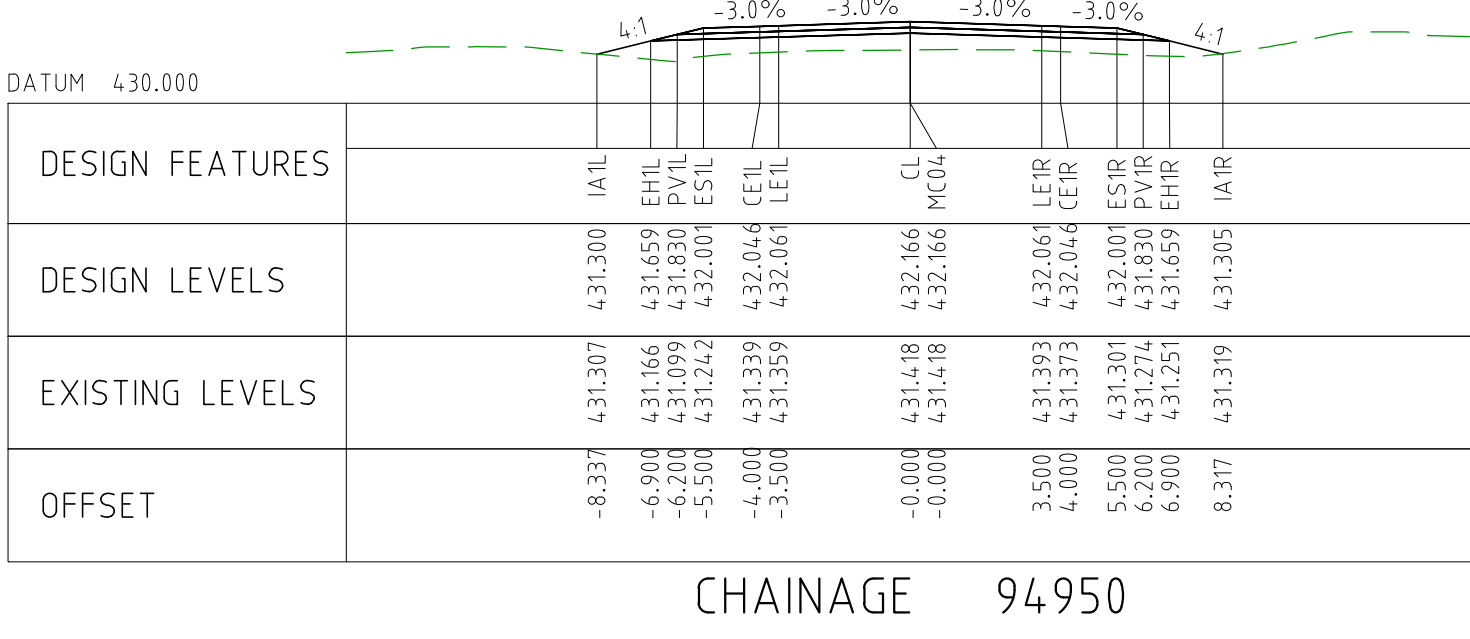
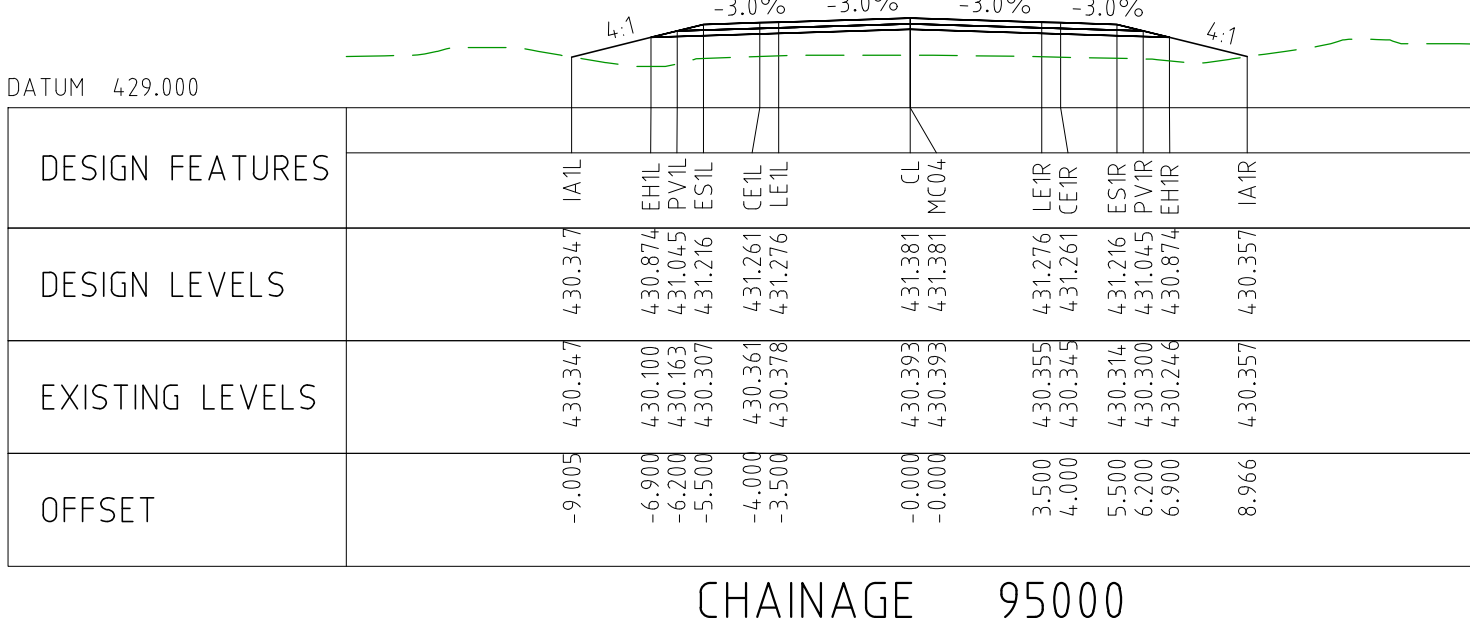
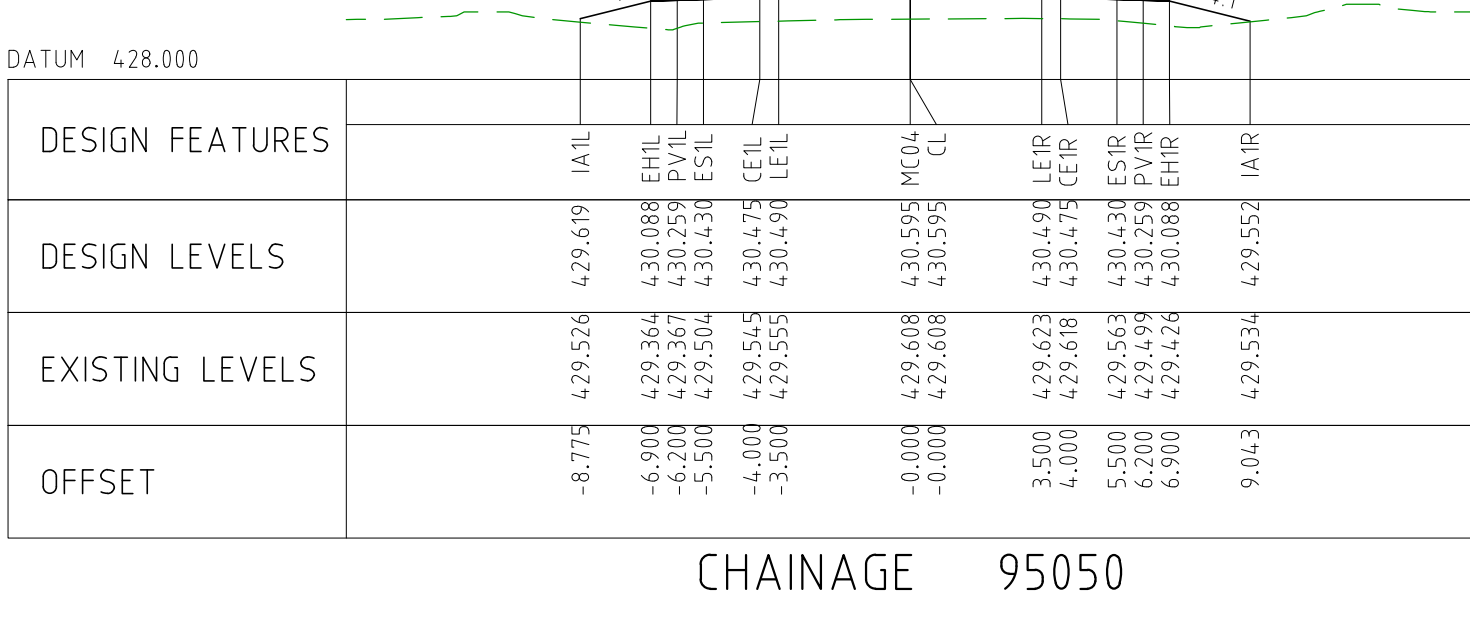
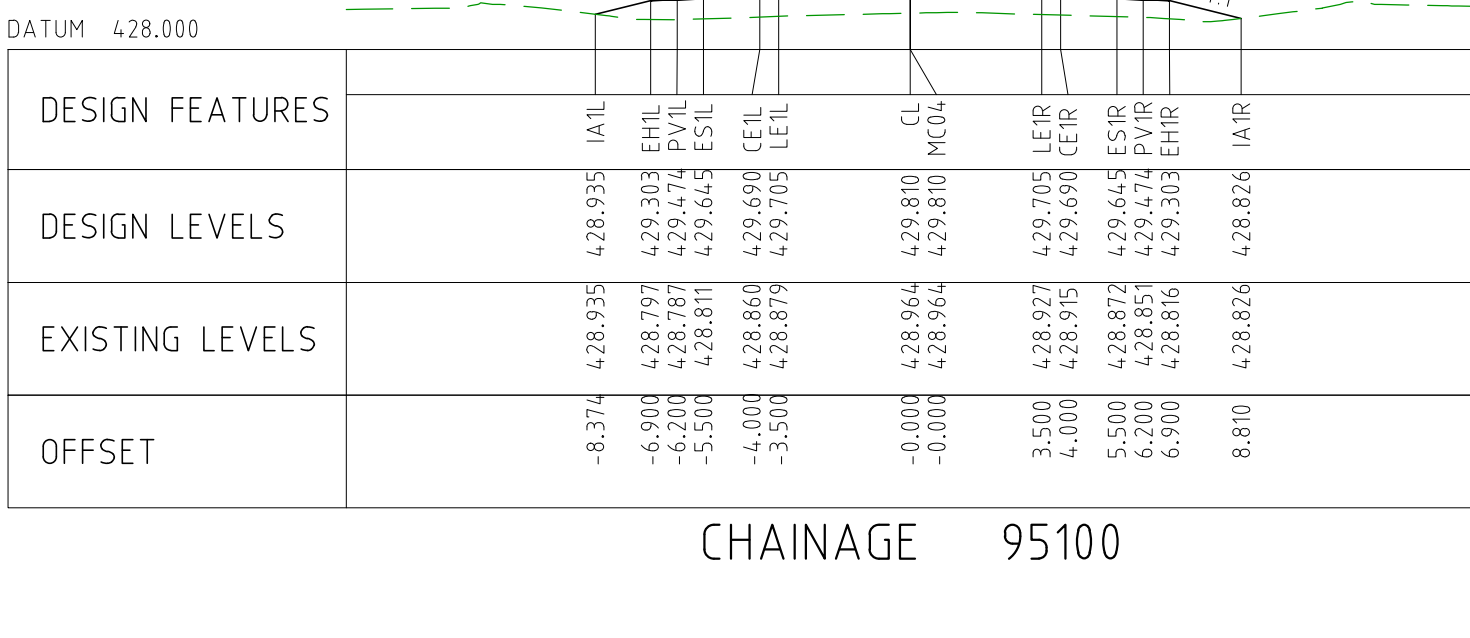
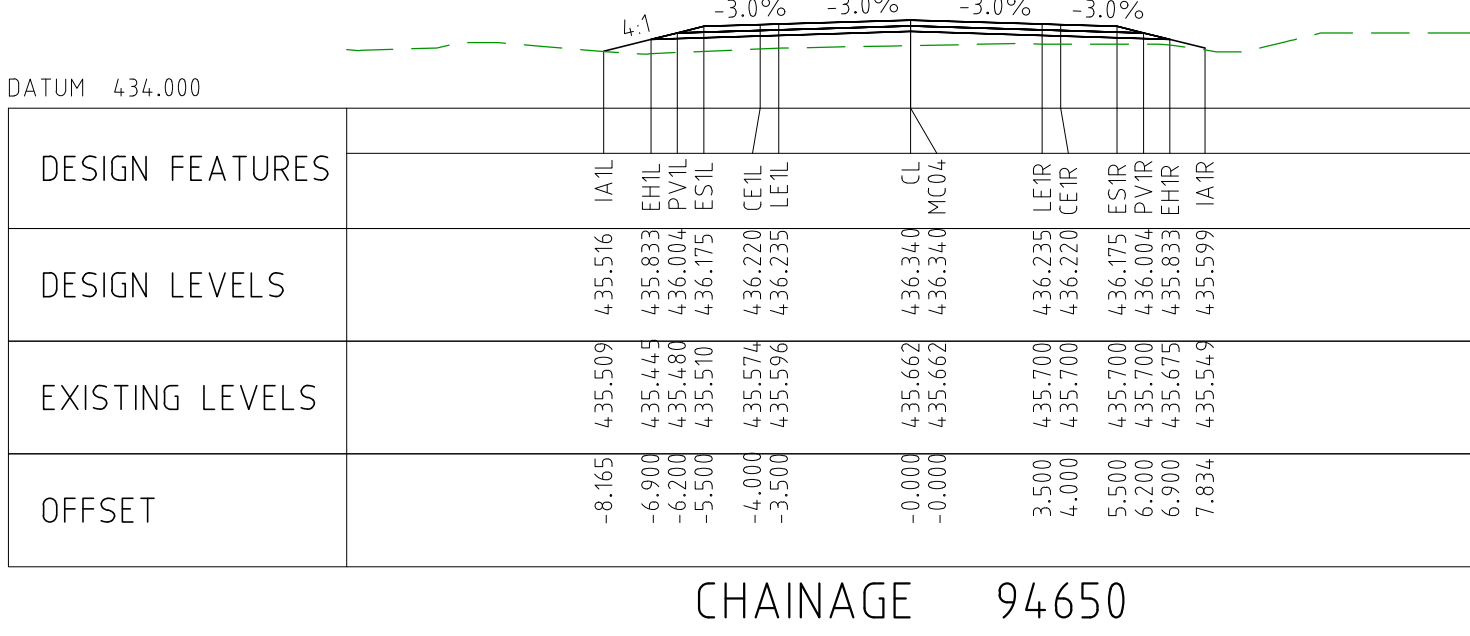
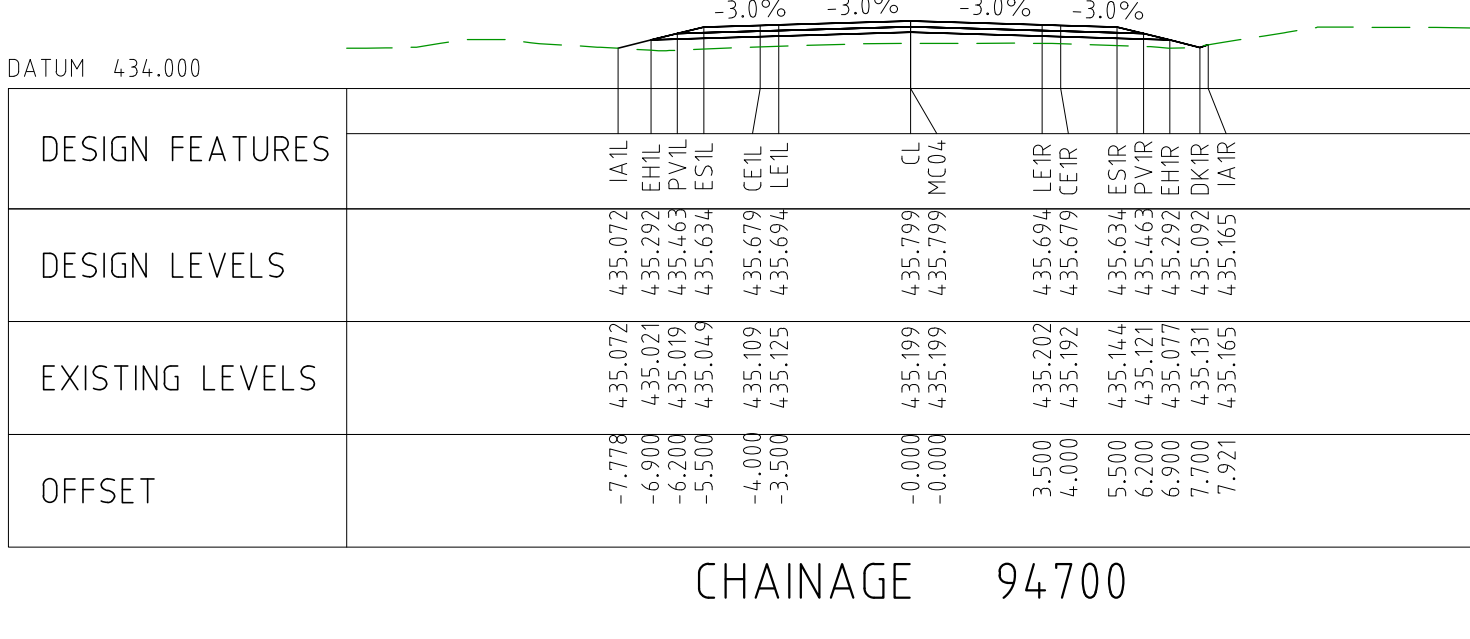
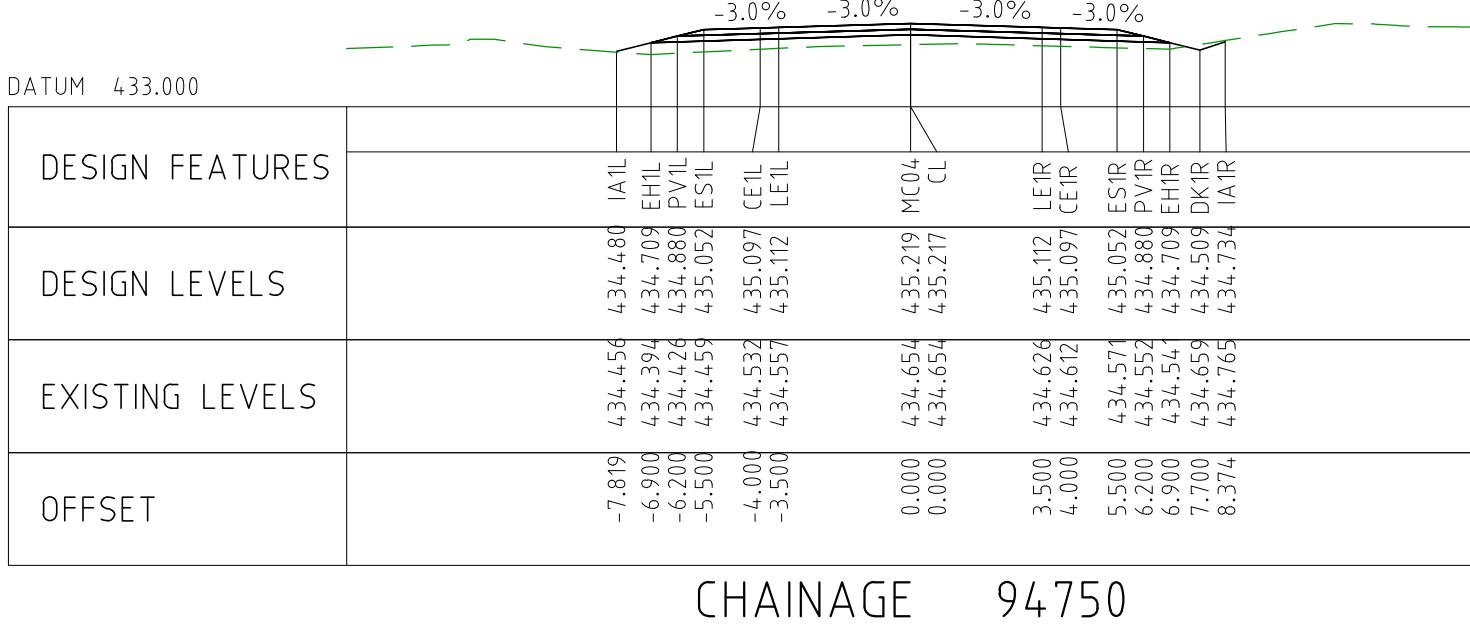
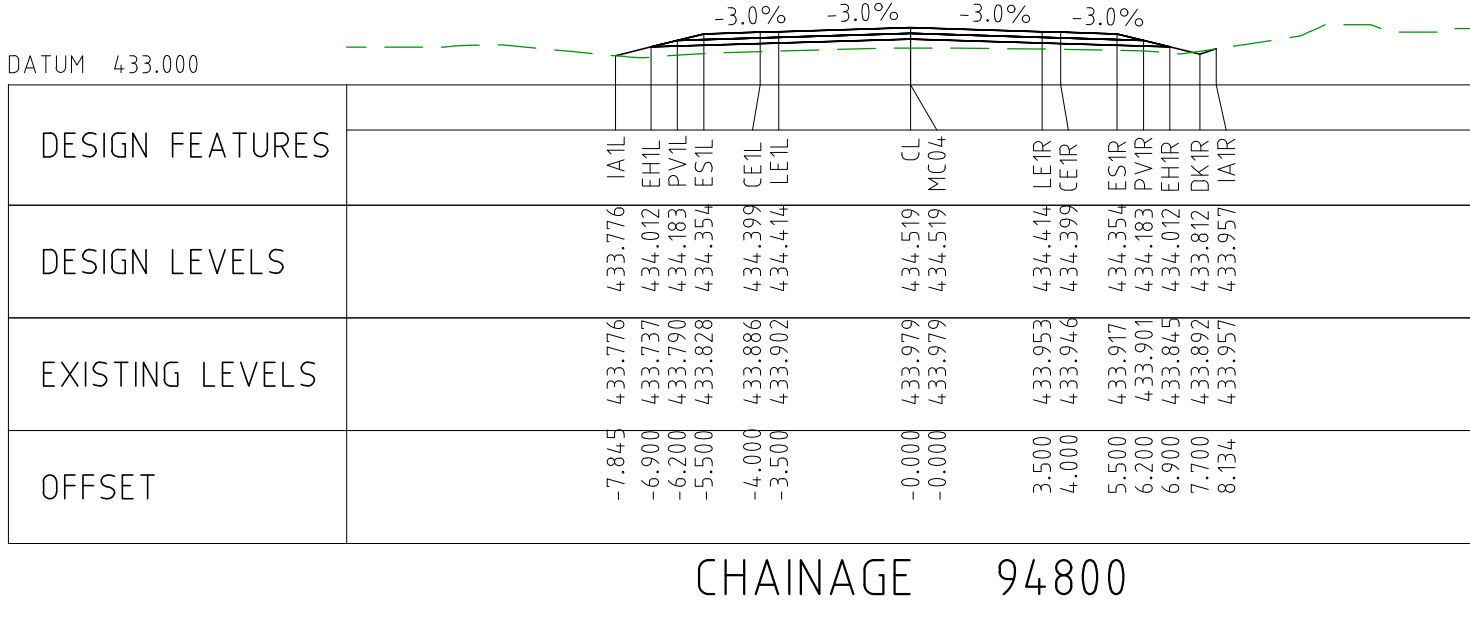
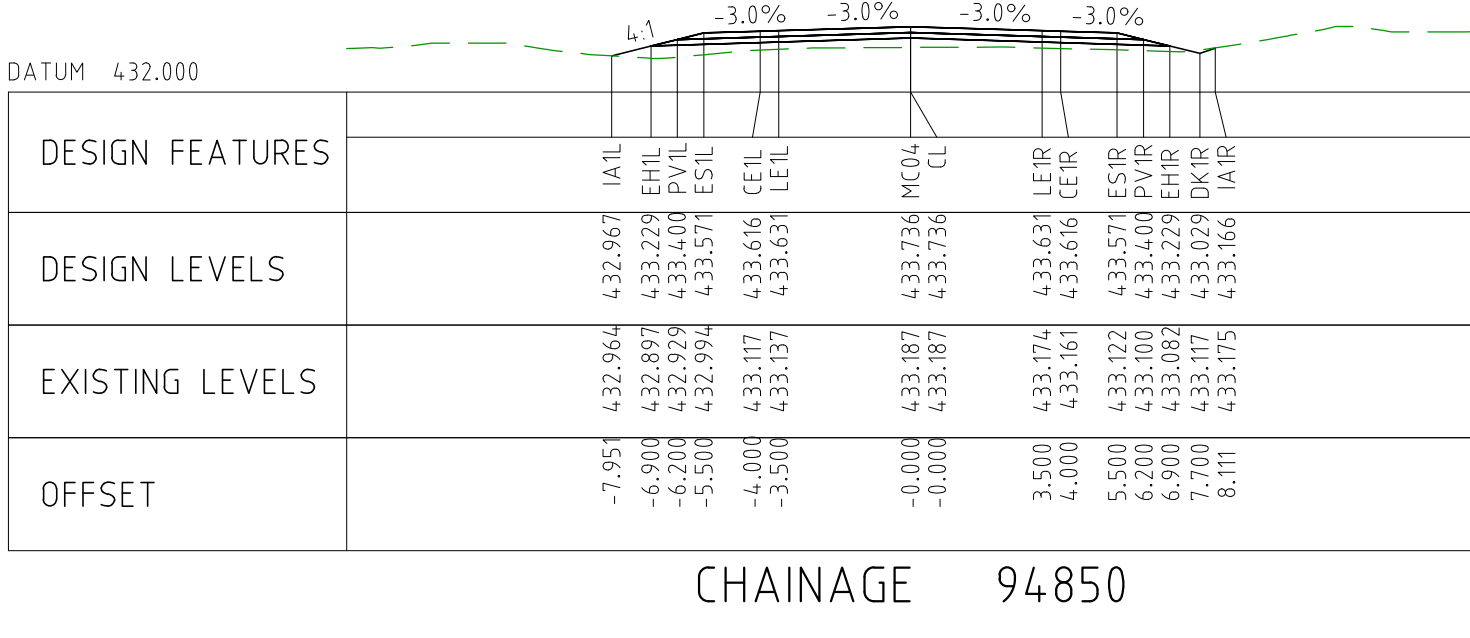
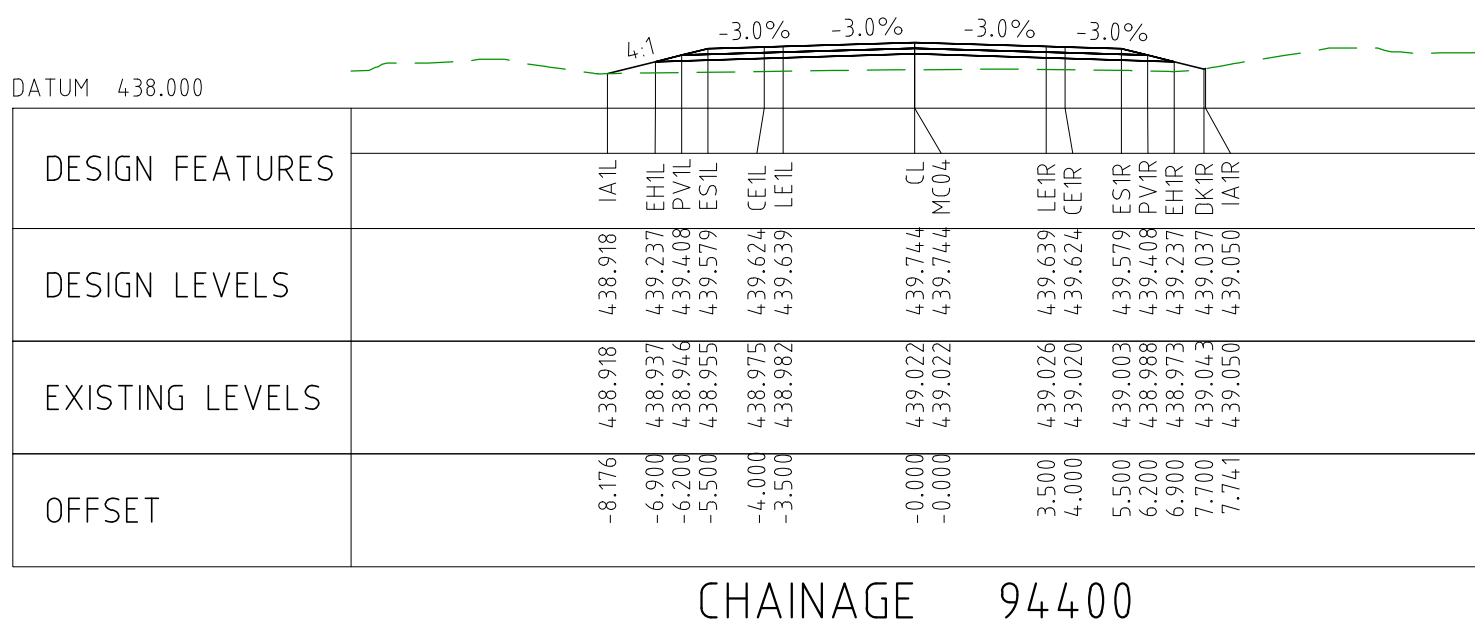
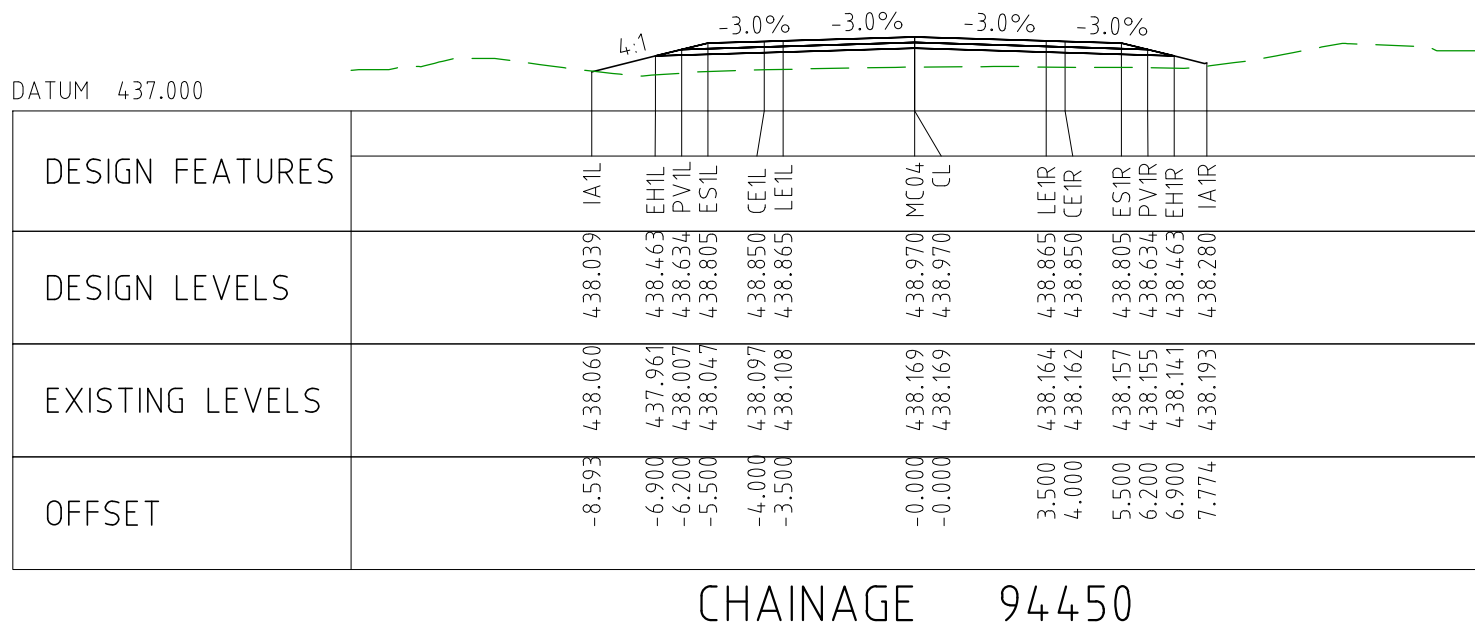
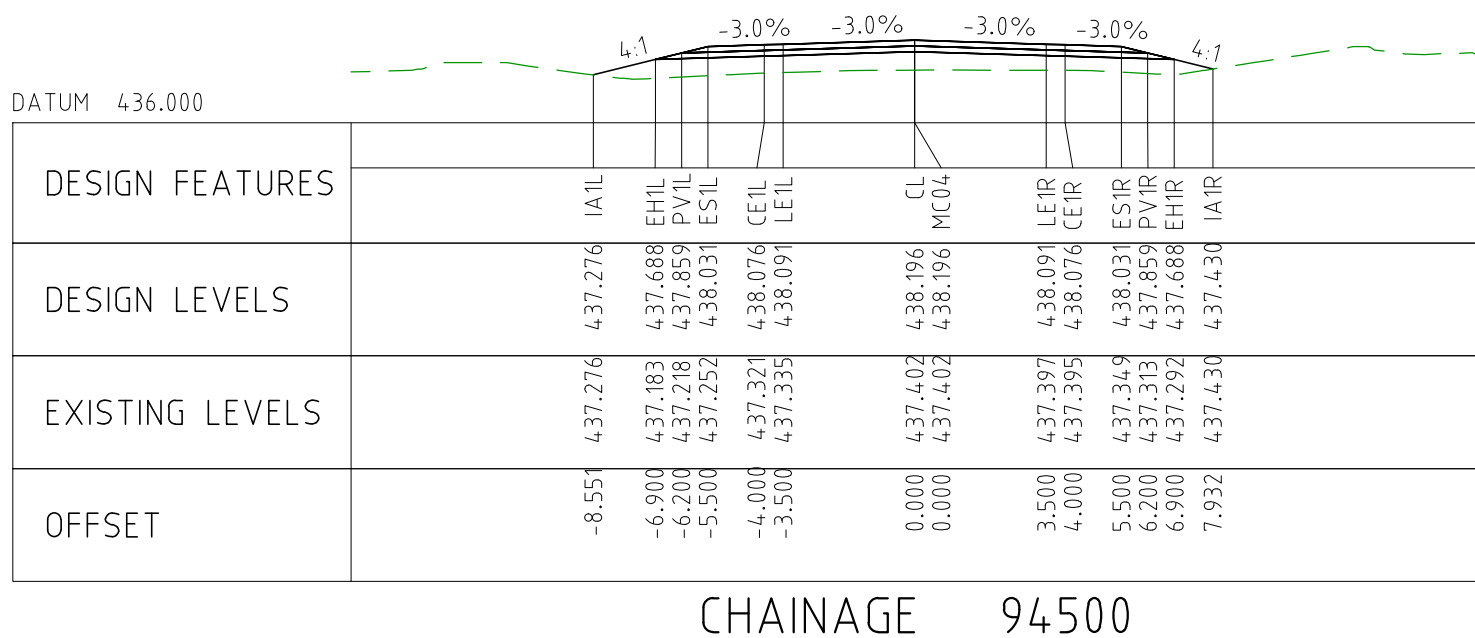
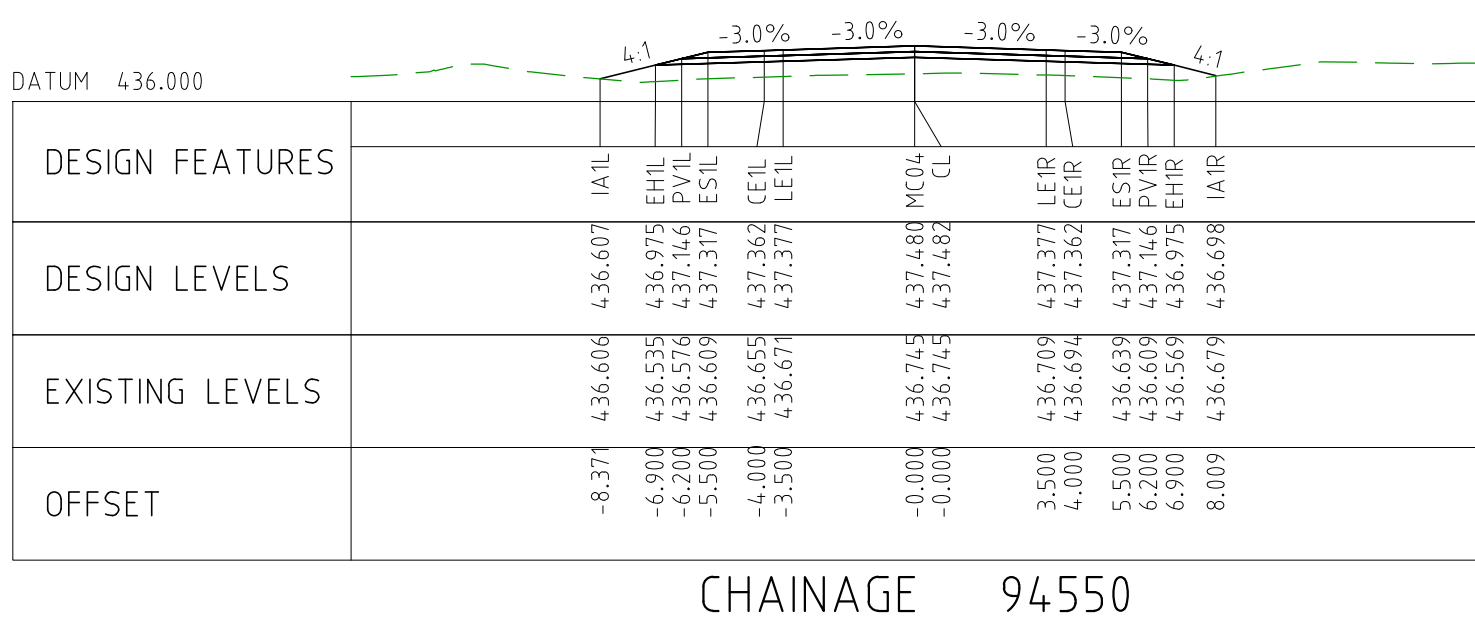
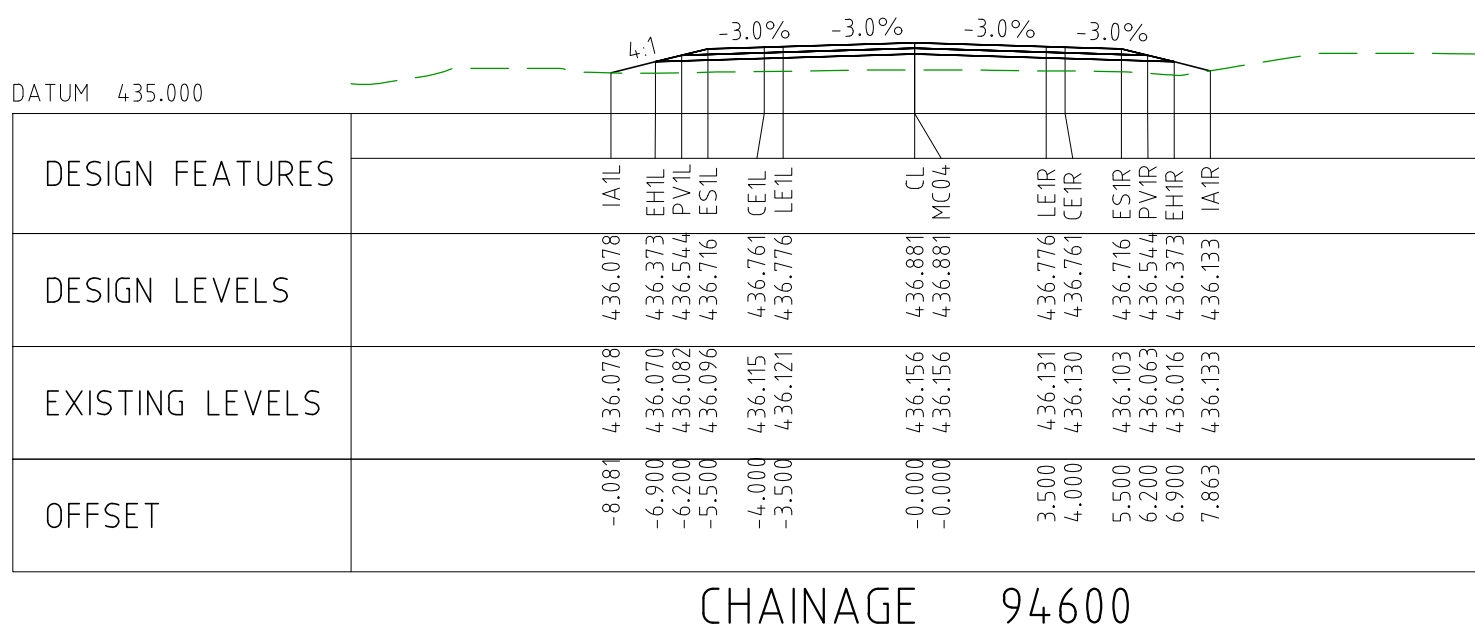
CHAINAGE 92900

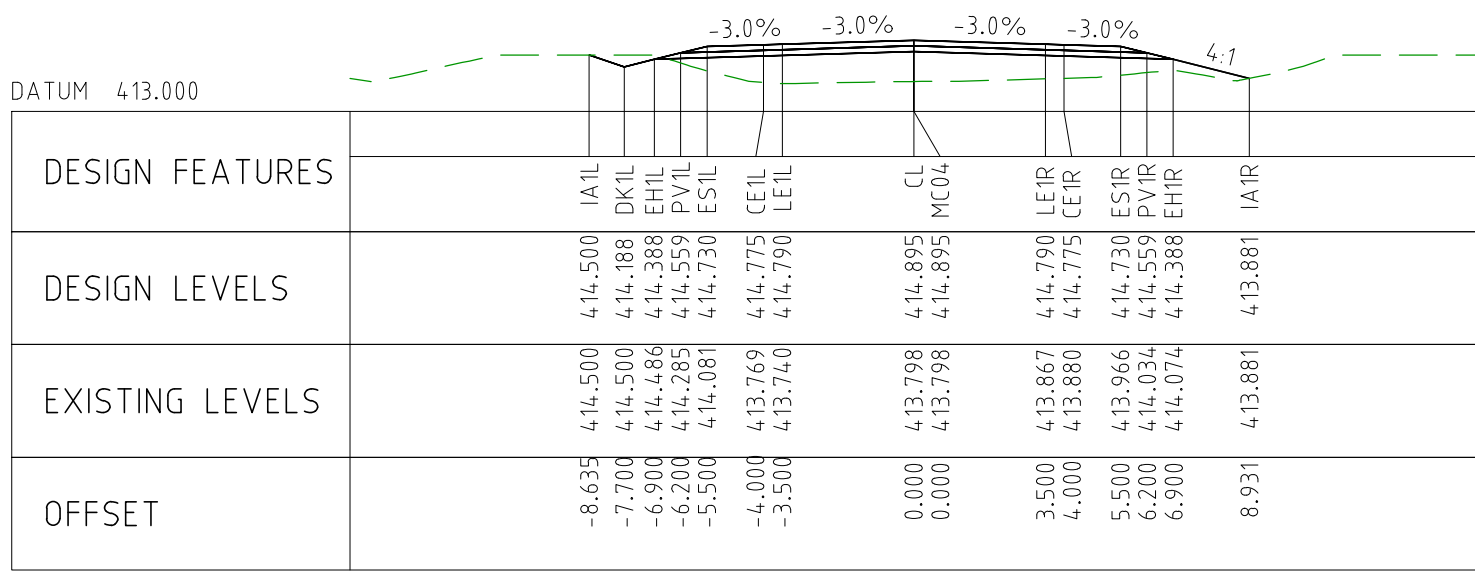


CHAINAGE 93150

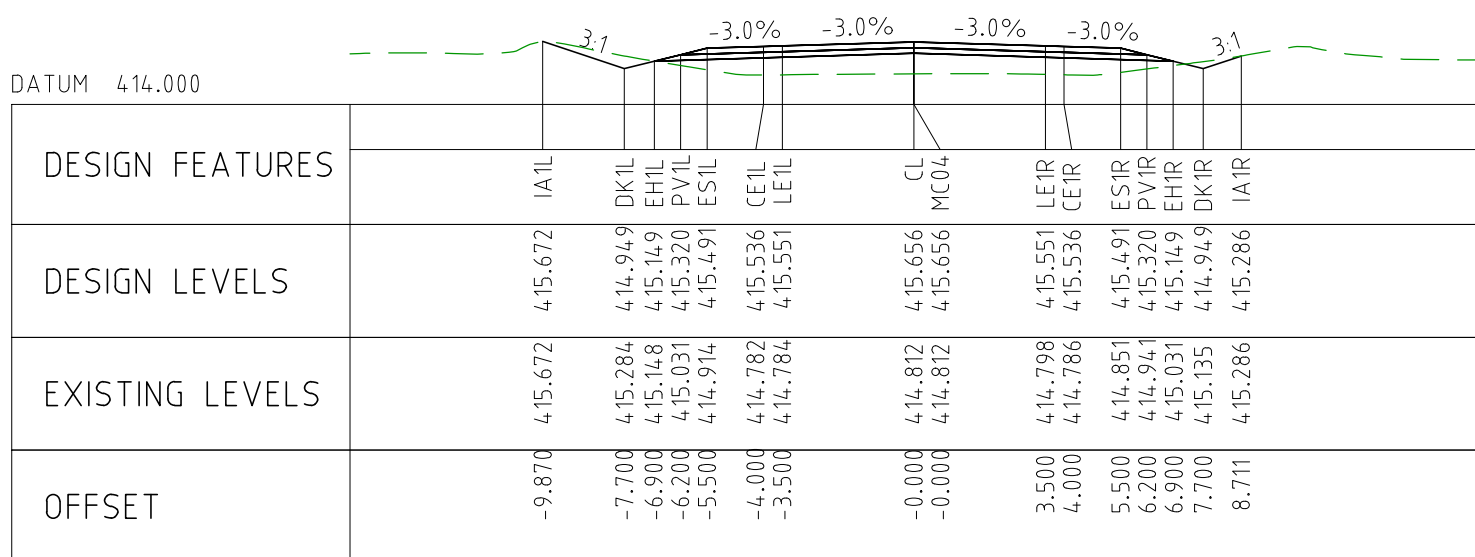


CHAINAGE 93400

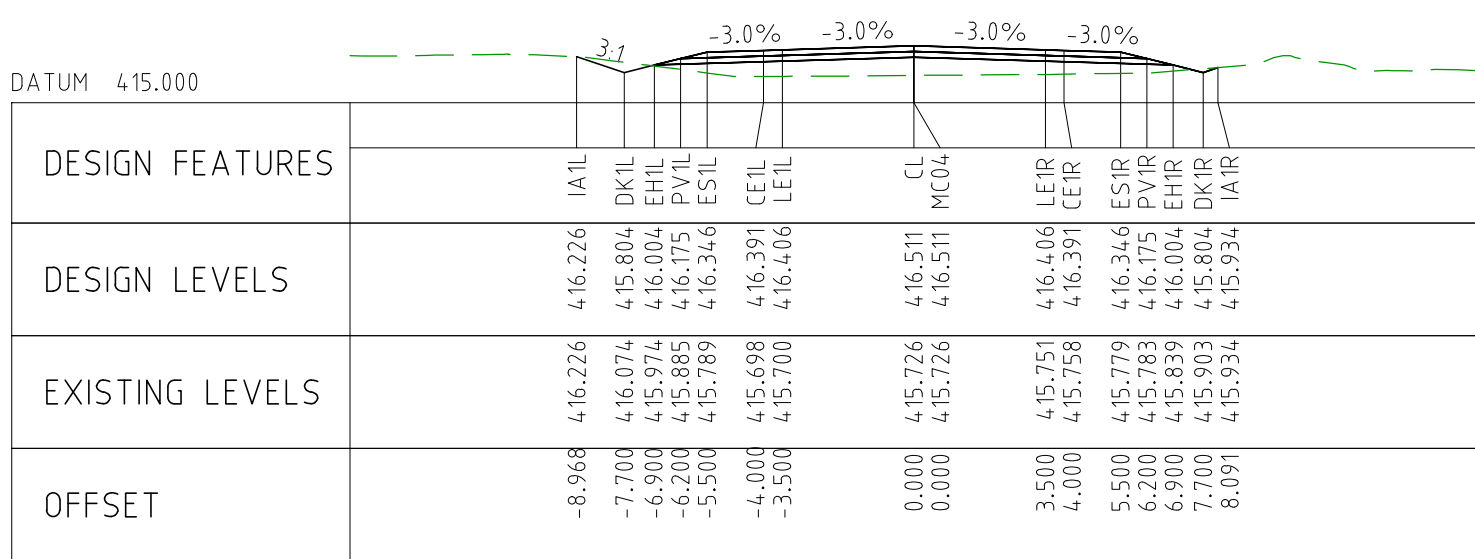




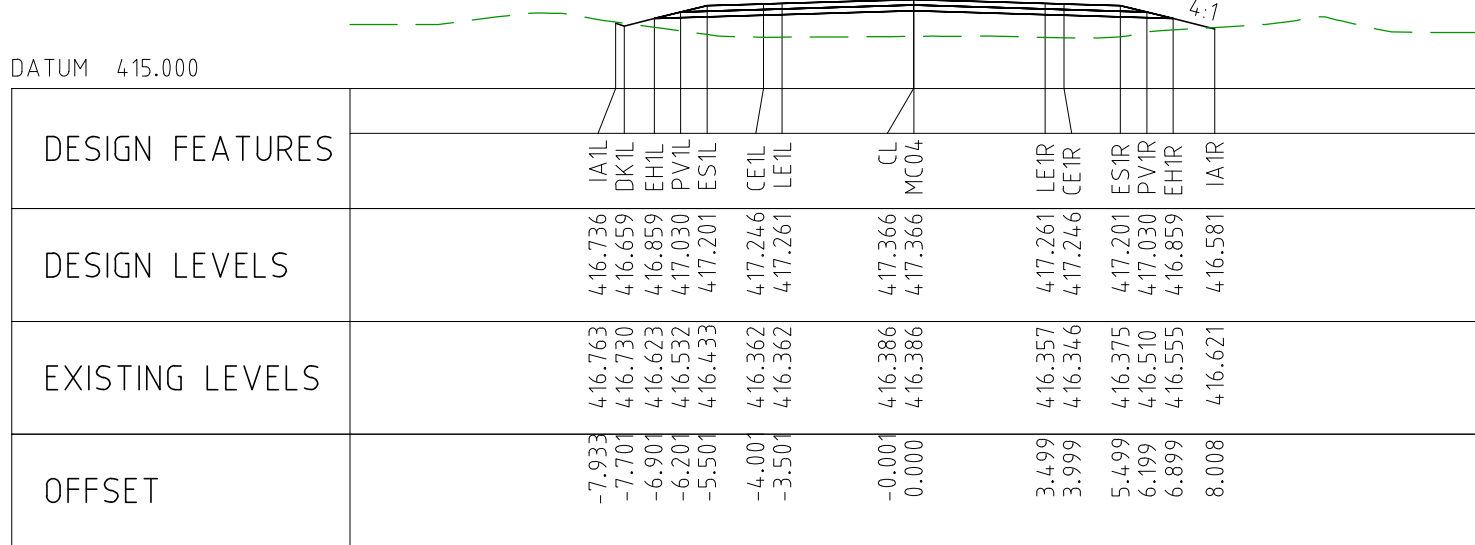
CHAINAGE 96100



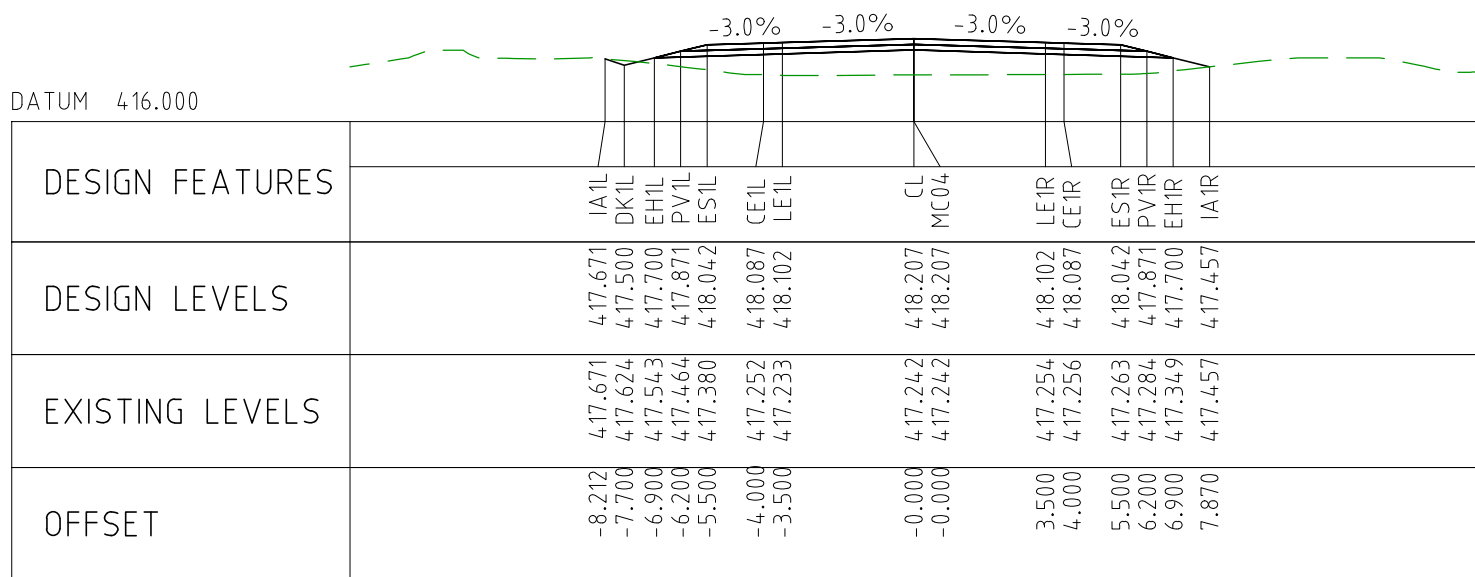
CHAINAGE 96050



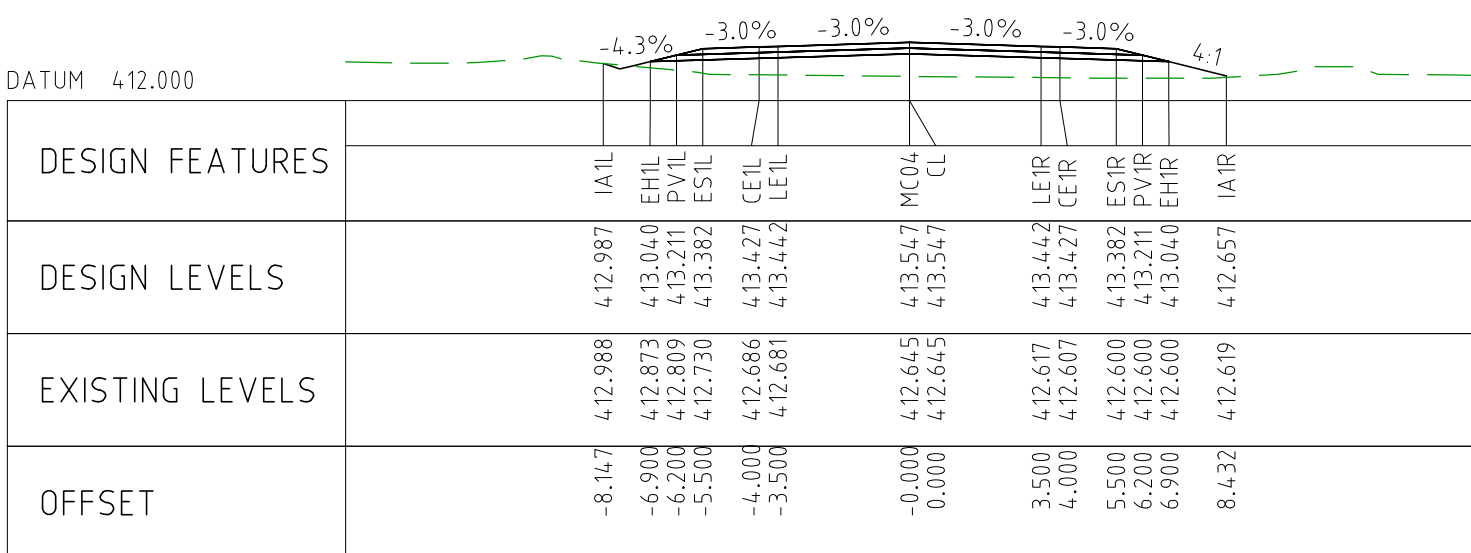
CHAINAGE 96000



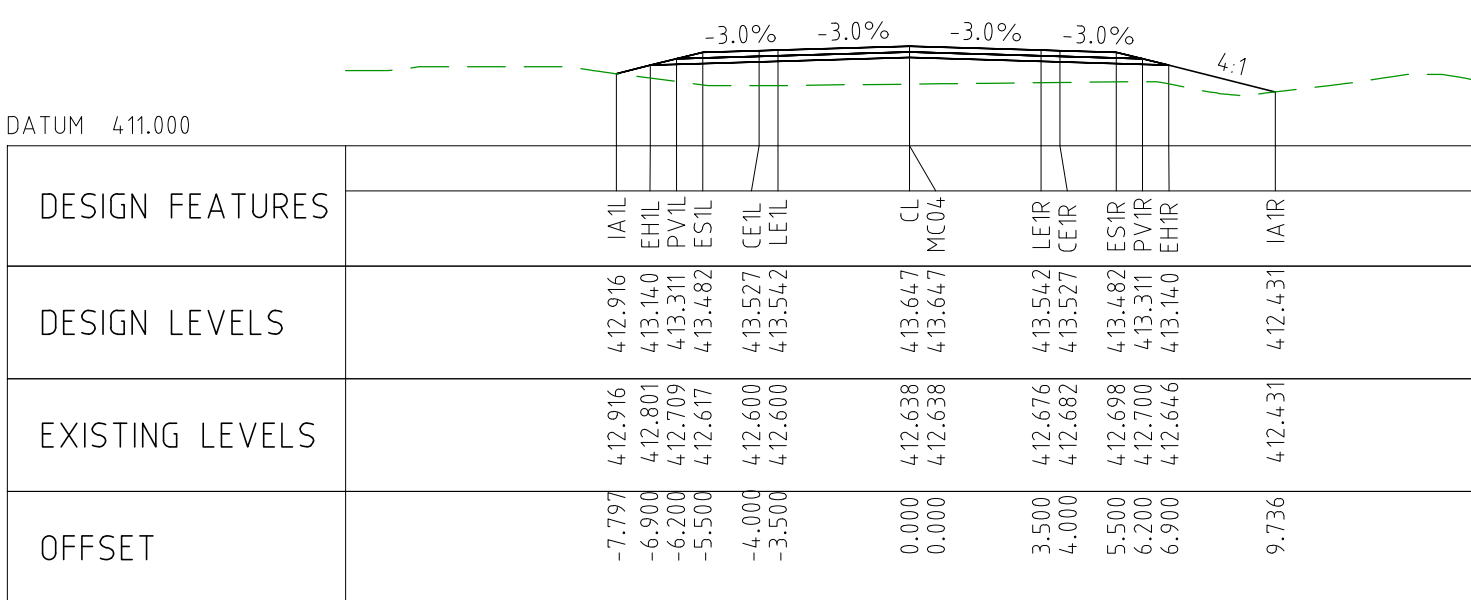
CHAINAGE 95950



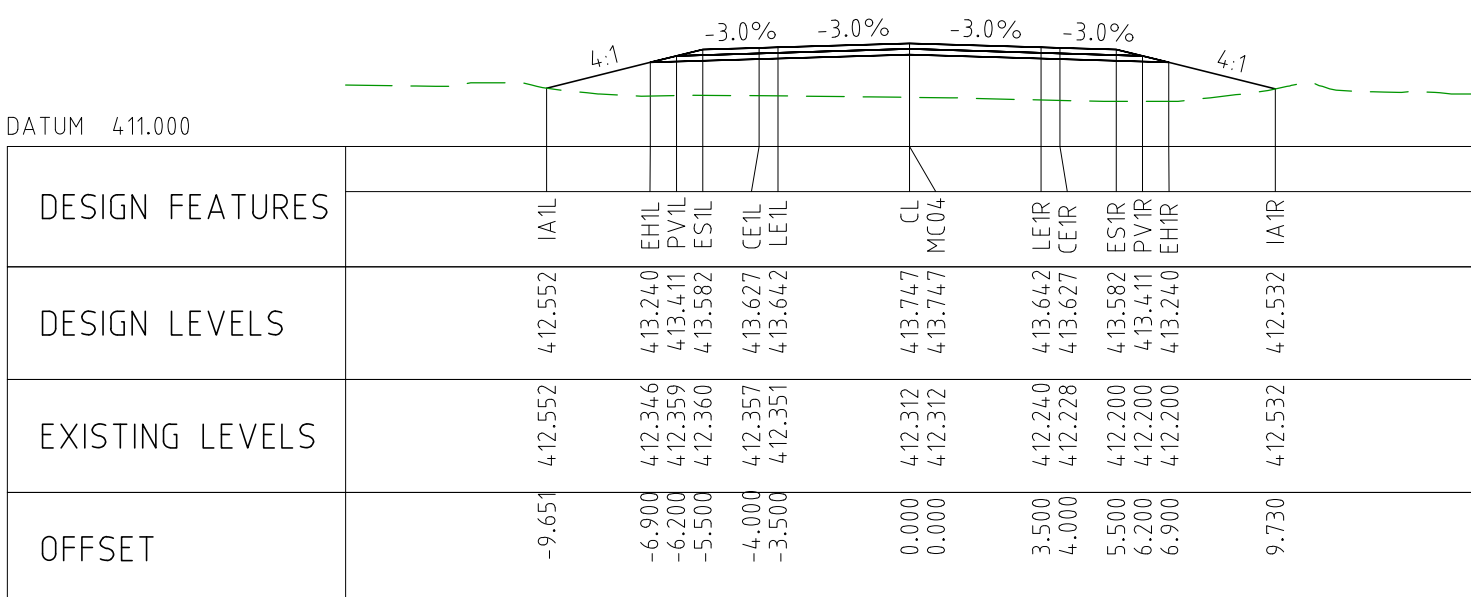
CHAINAGE 95900



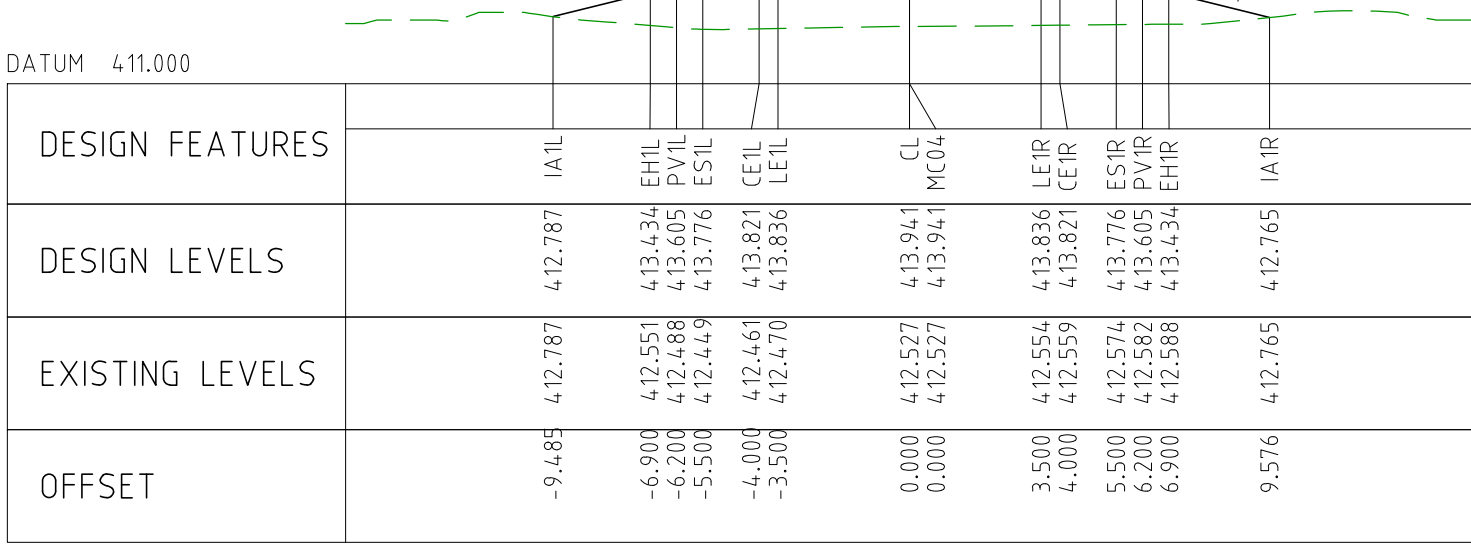
CHAINAGE 96350



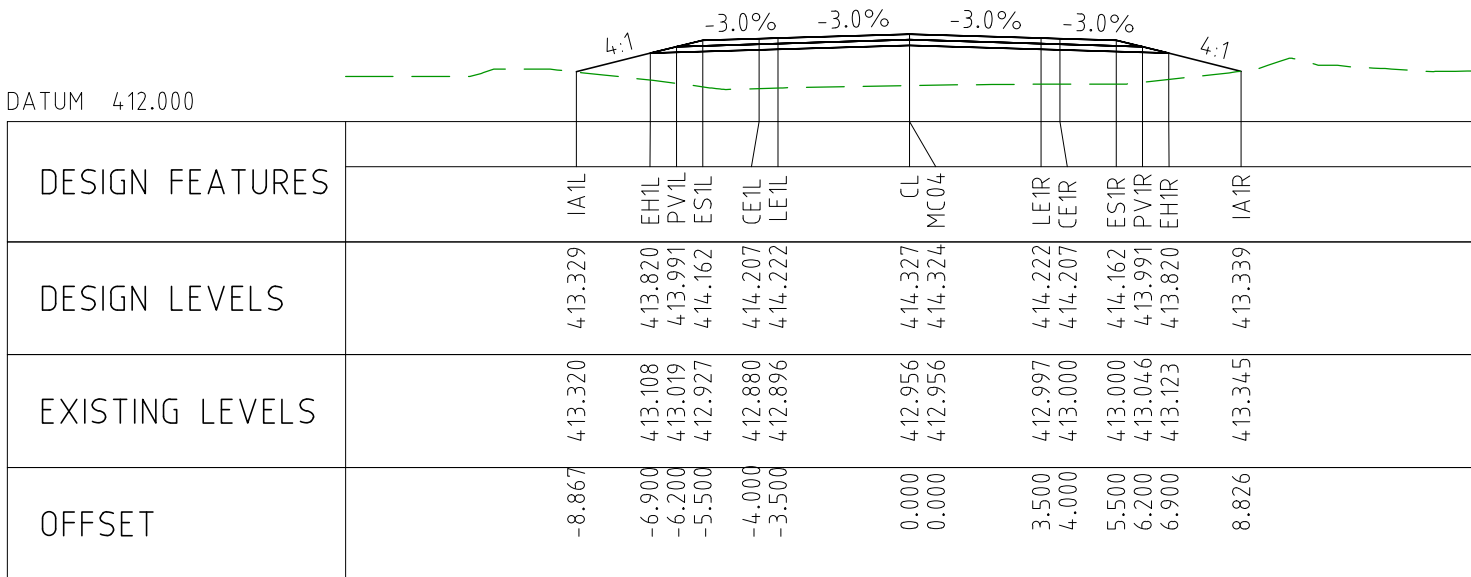
CHAINAGE 96300



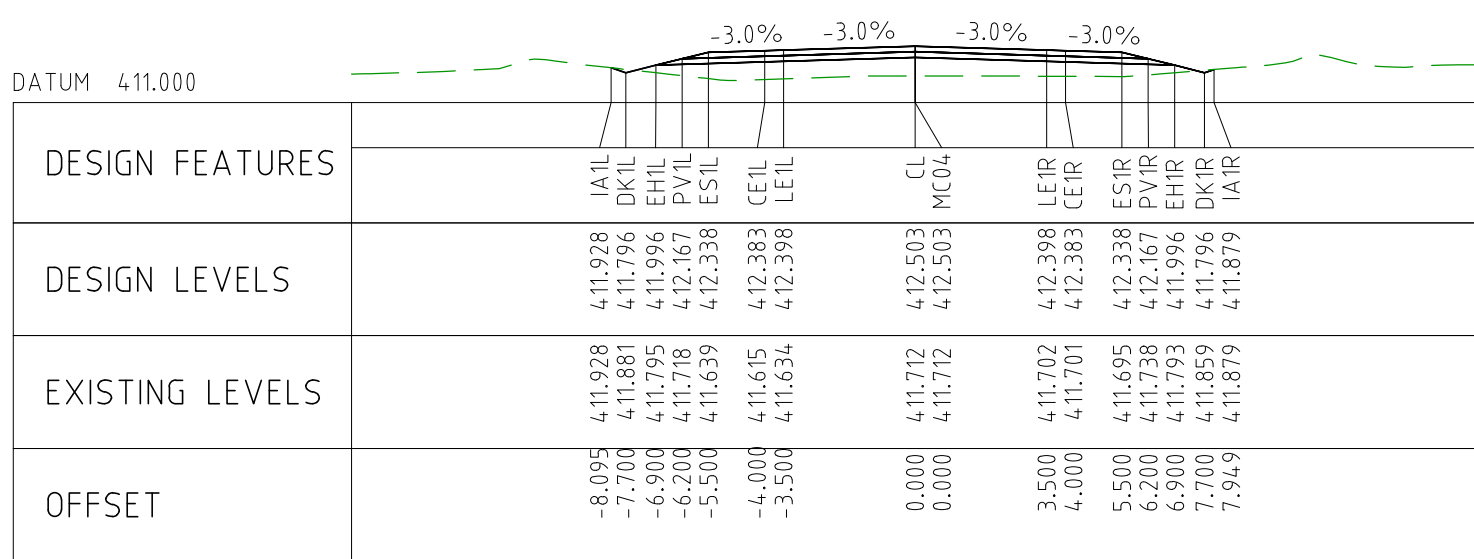
CHAINAGE 96250



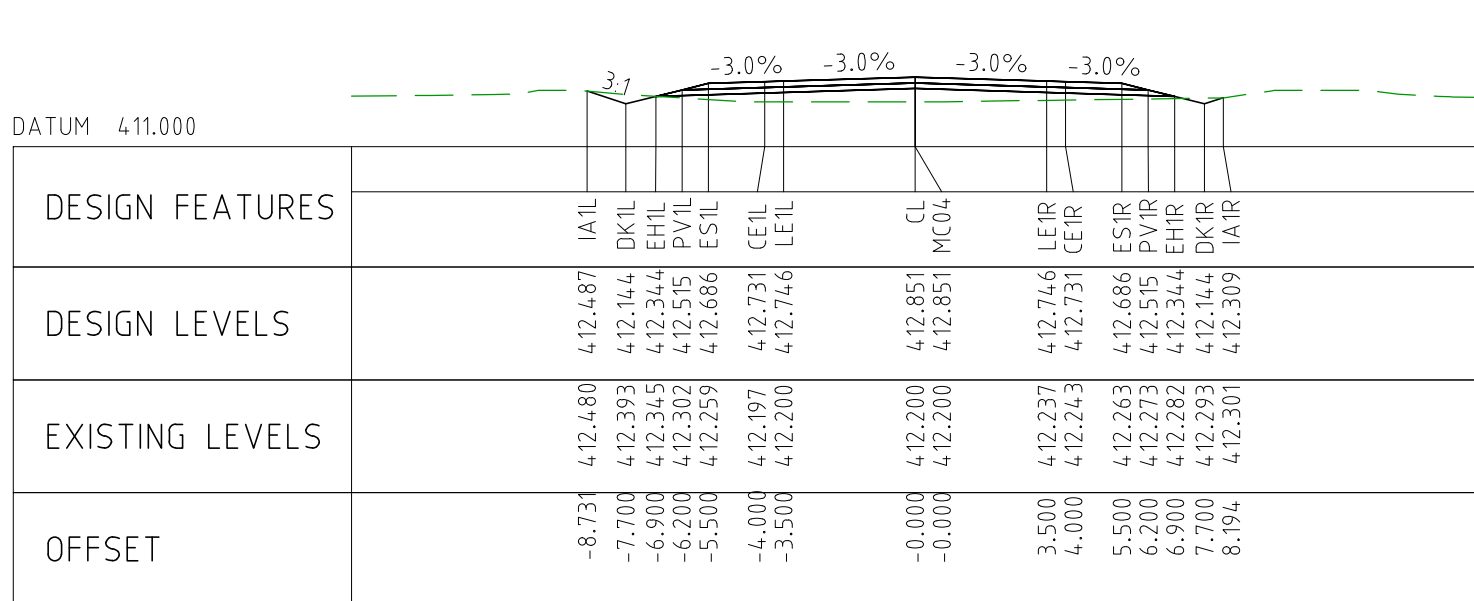
CHAINAGE 96200



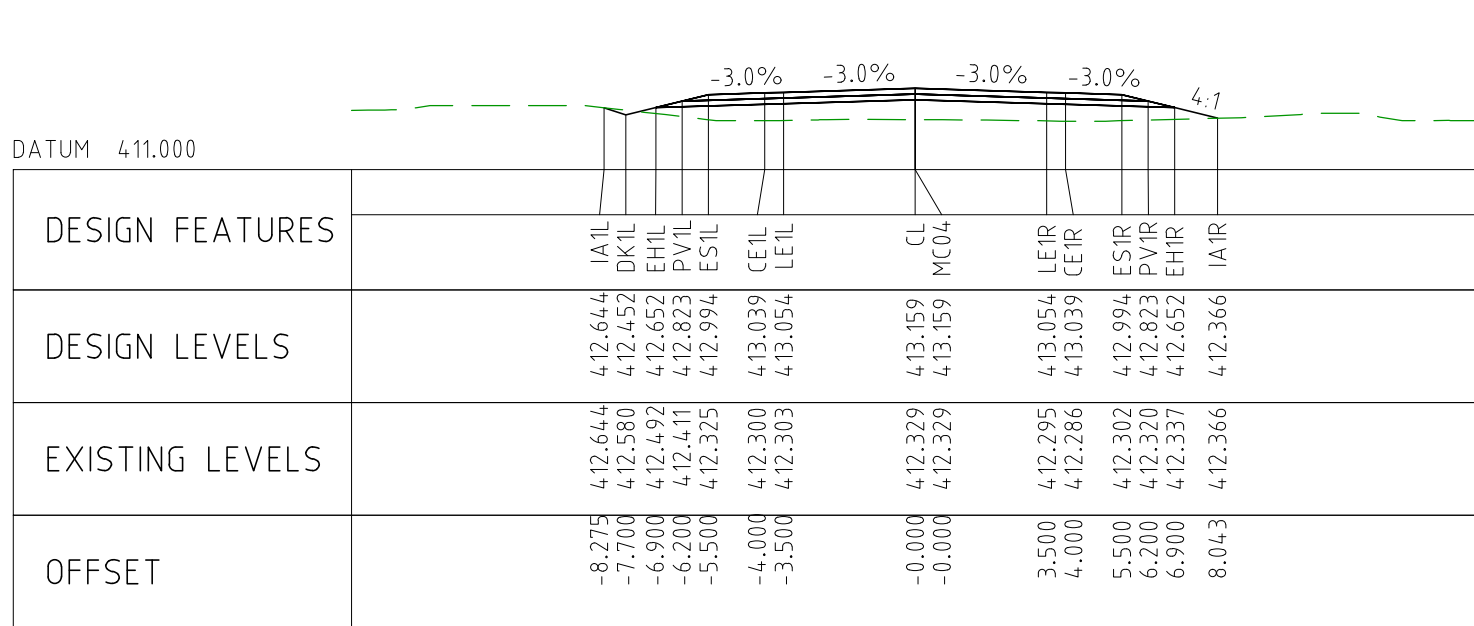
CHAINAGE 96150



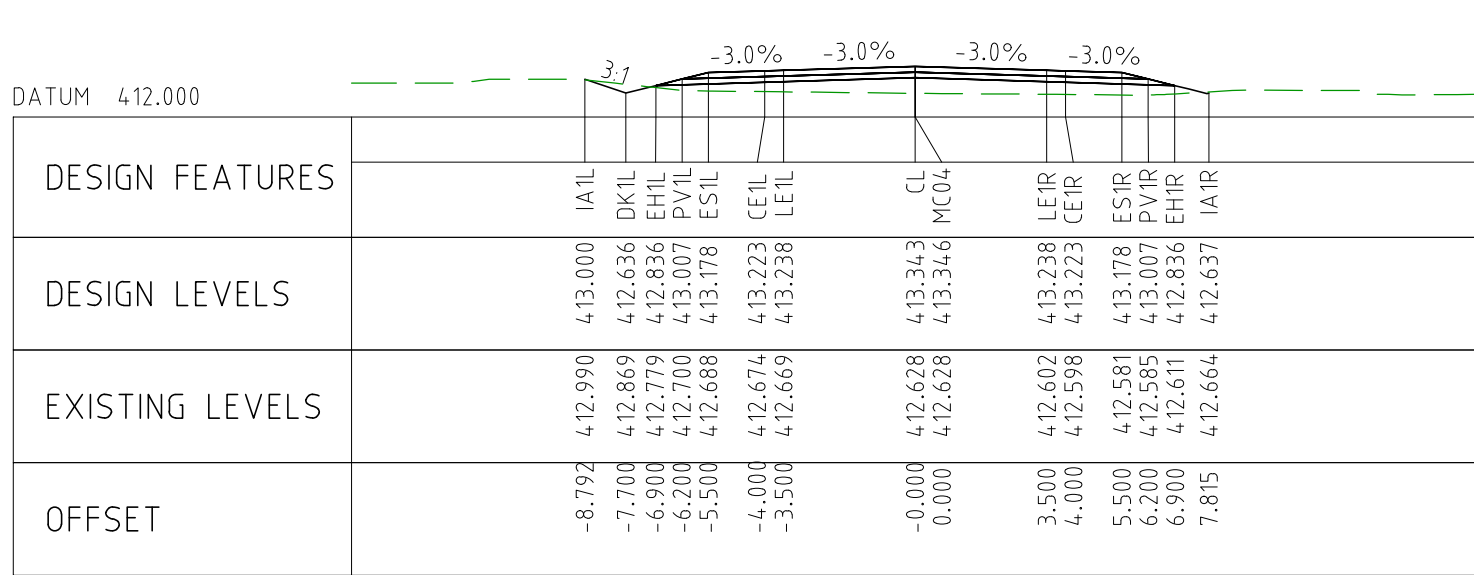
CHAINAGE 96600



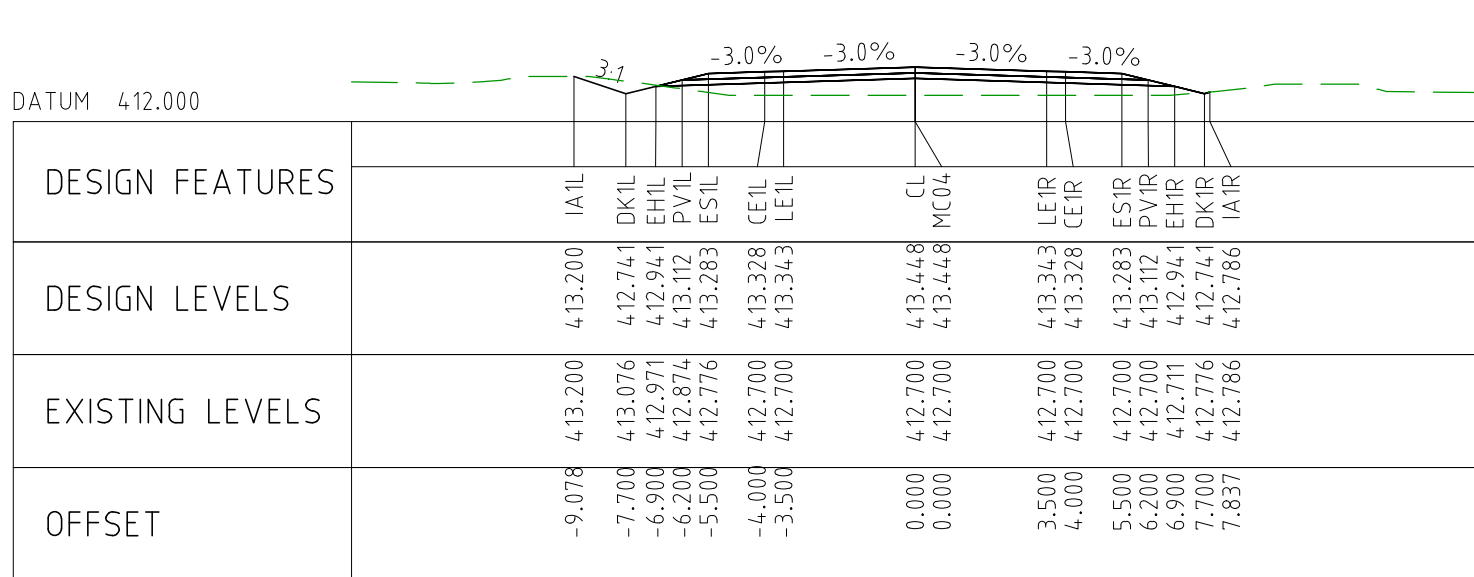
CHAINAGE 96550



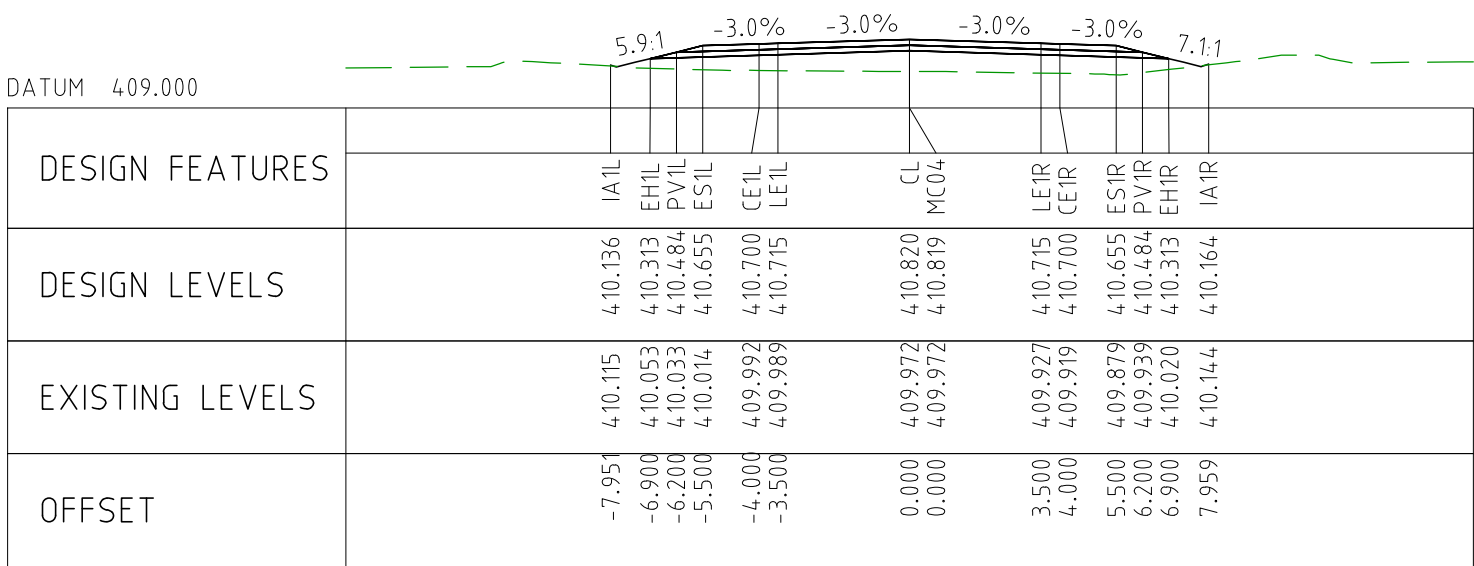
CHAINAGE 96500



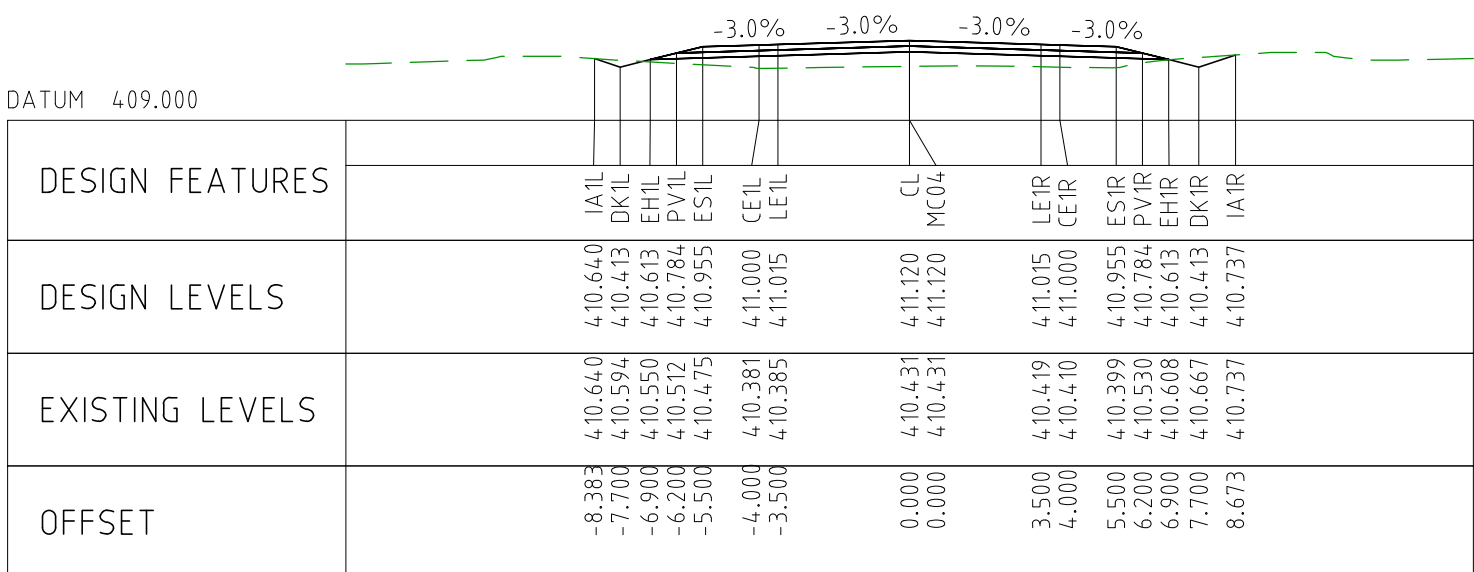
CHAINAGE 96450



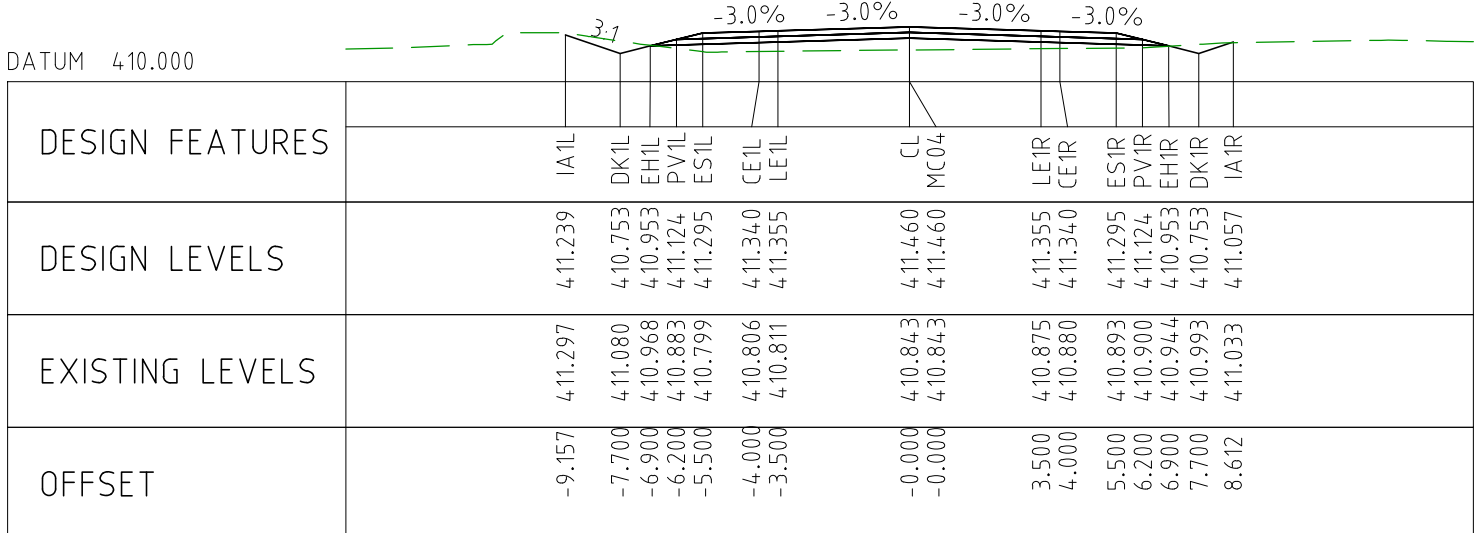
CHAINAGE 96400



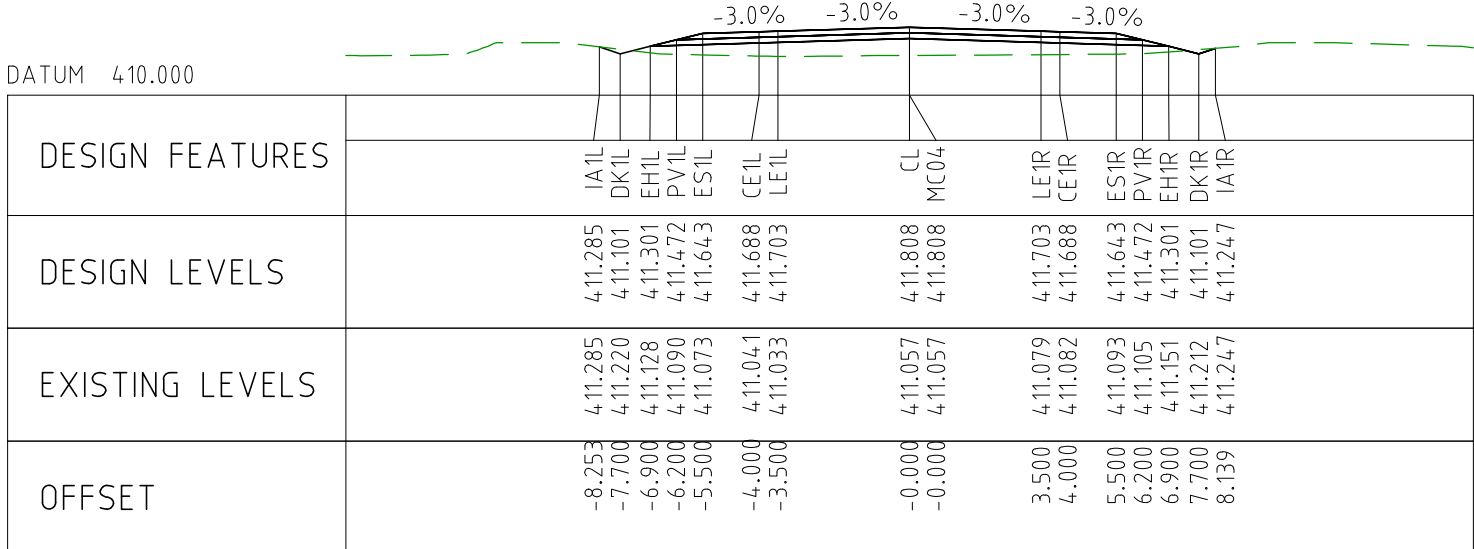
CHAINAGE 96850



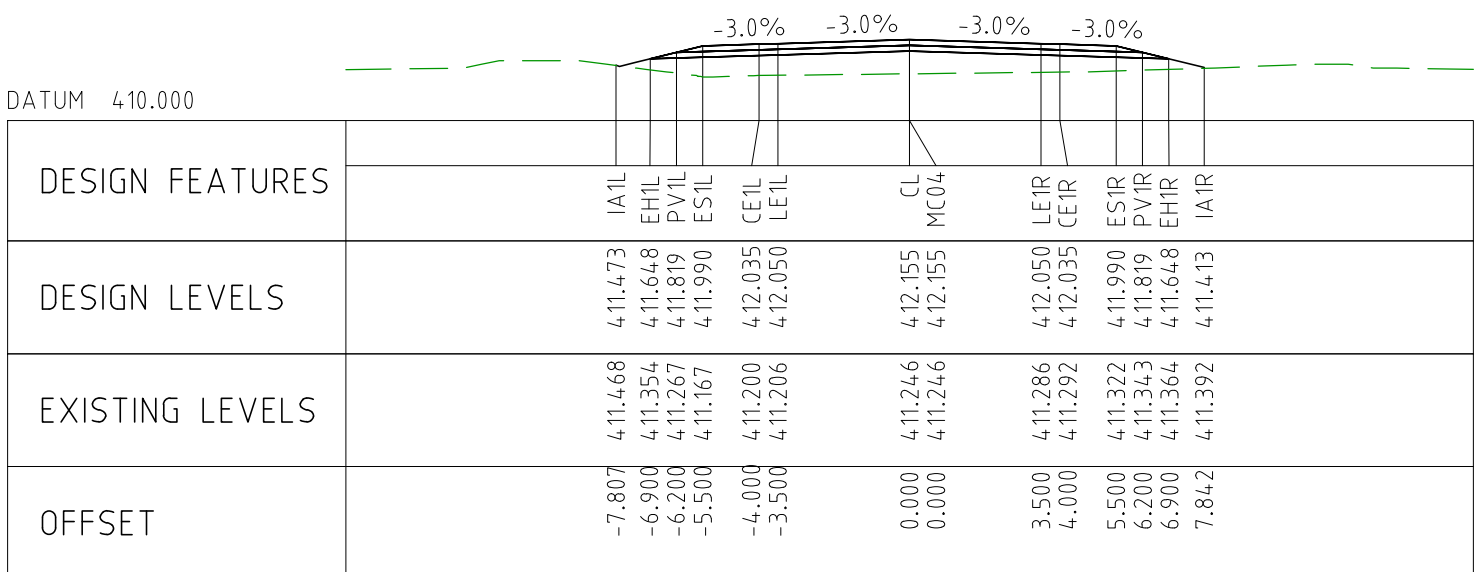
CHAINAGE 96800



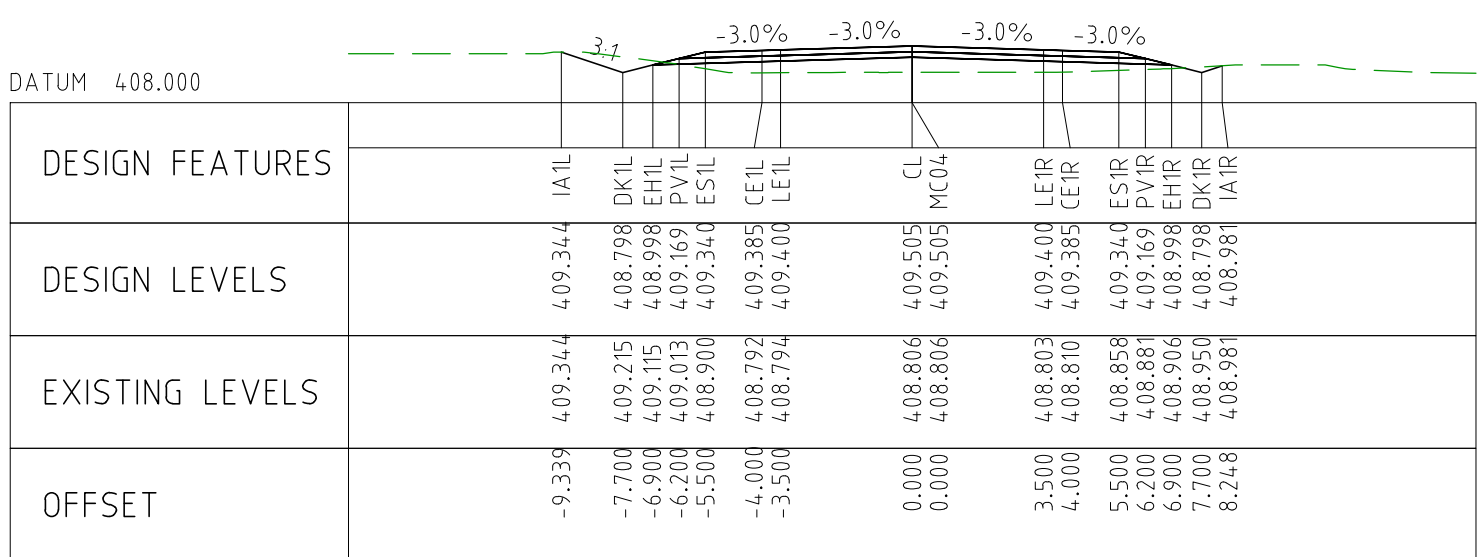
CHAINAGE 96750



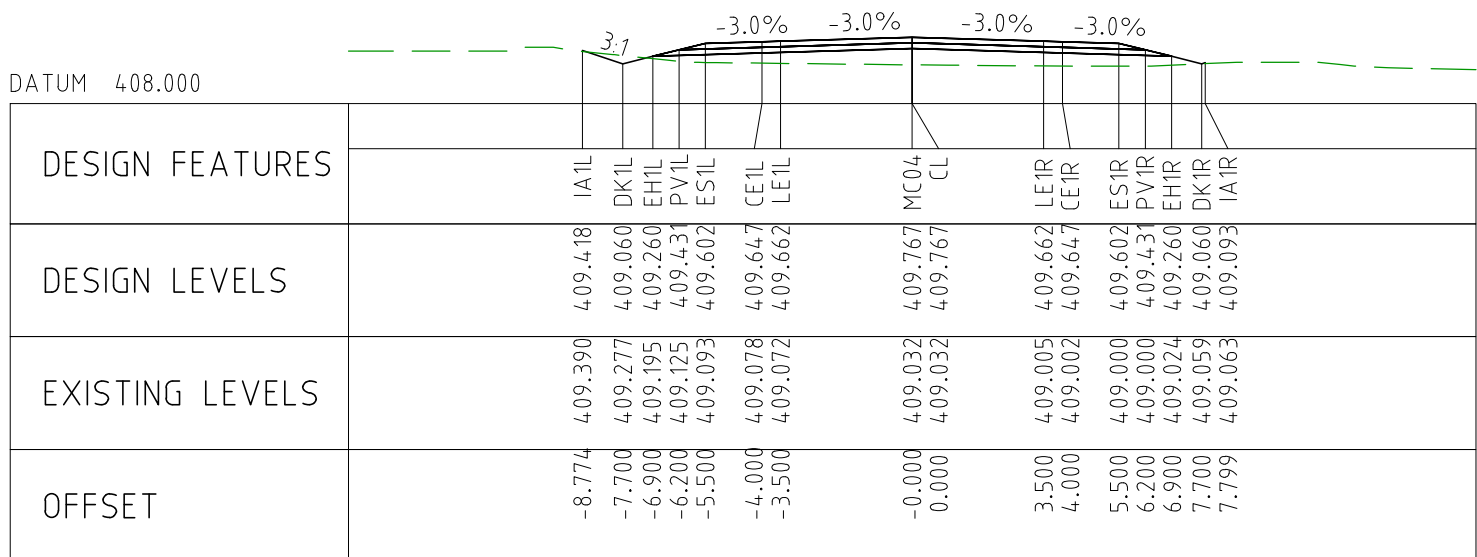
CHAINAGE 96700



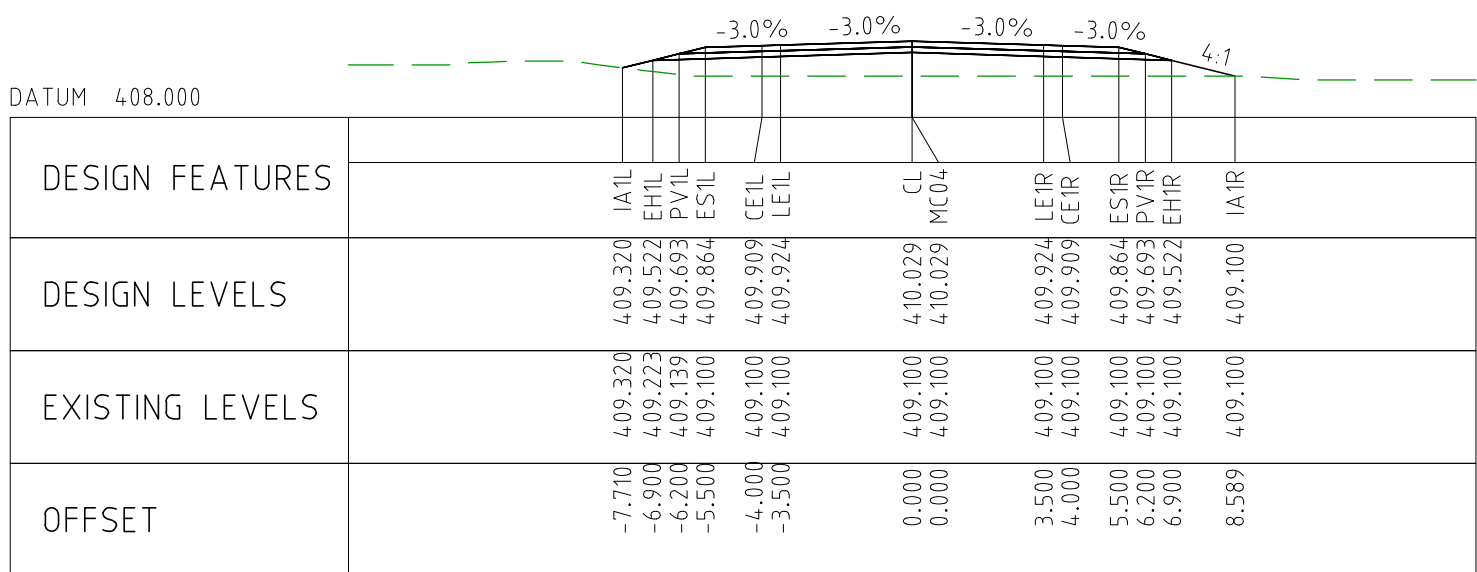
CHAINAGE 96650



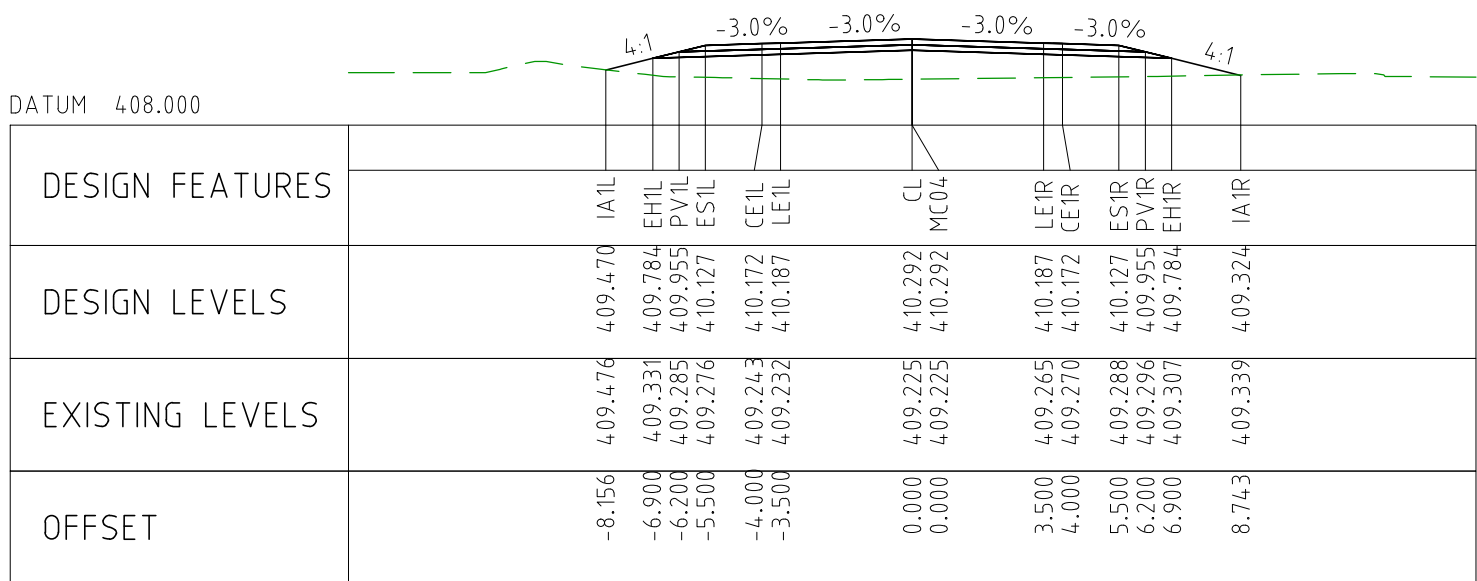
CHAINAGE 97100



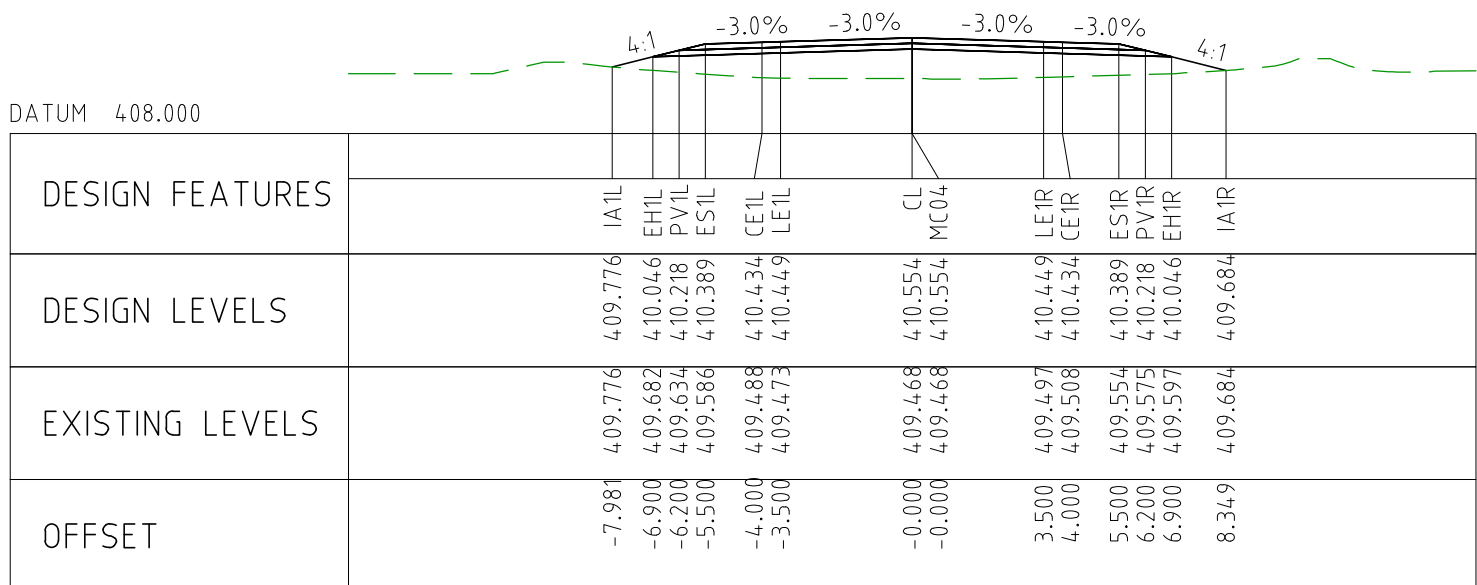
CHAINAGE 97050



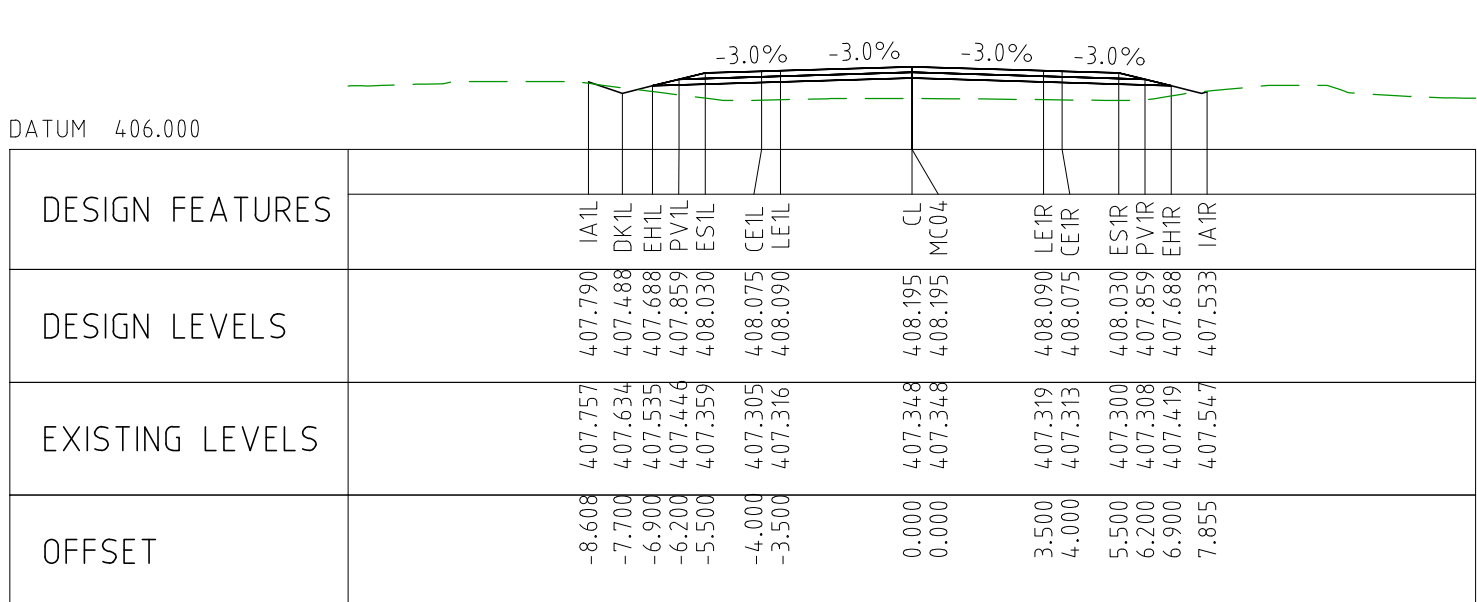
CHAINAGE 97000



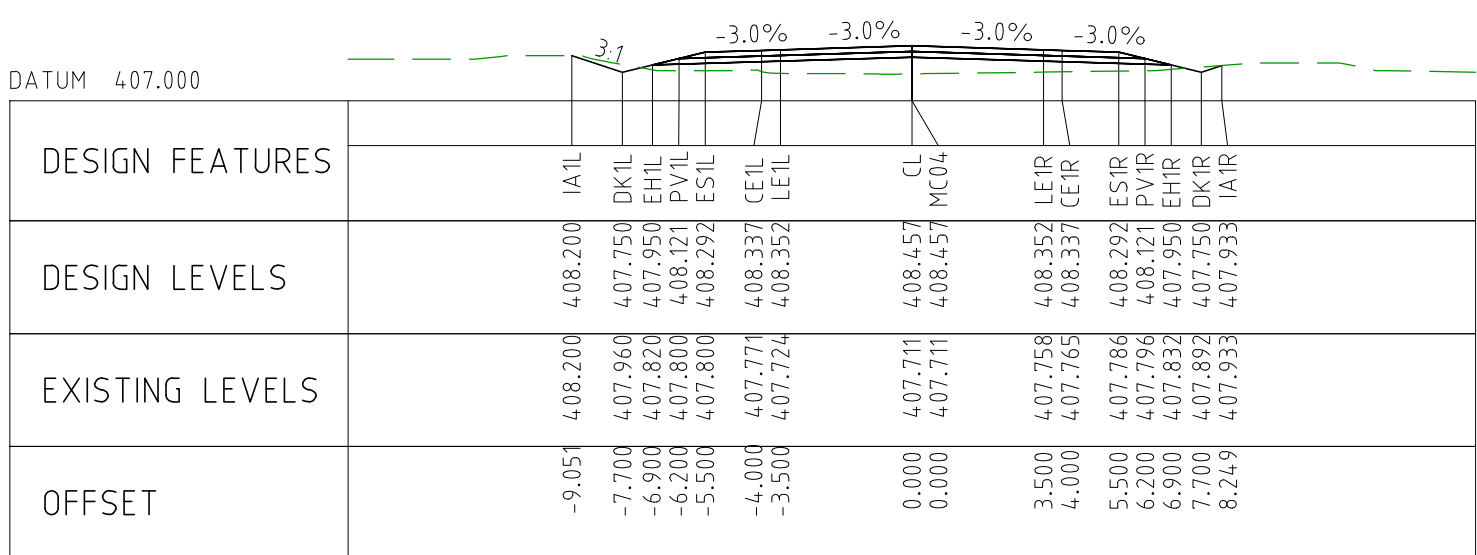
CHAINAGE 96950



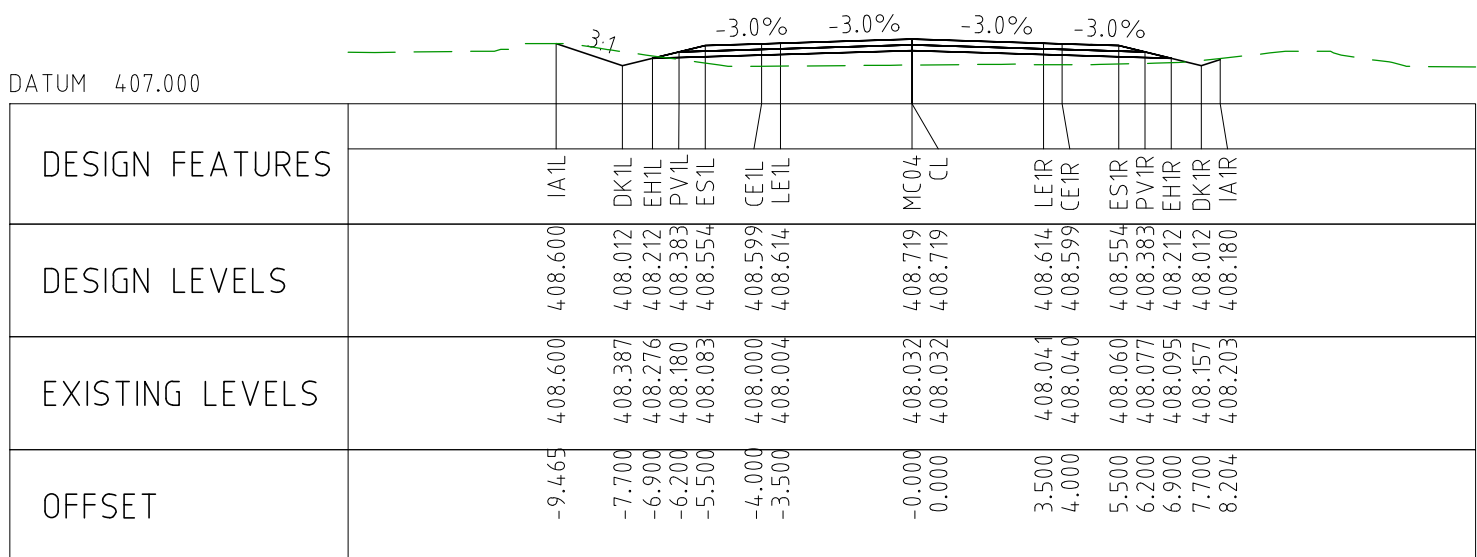
CHAINAGE 96900



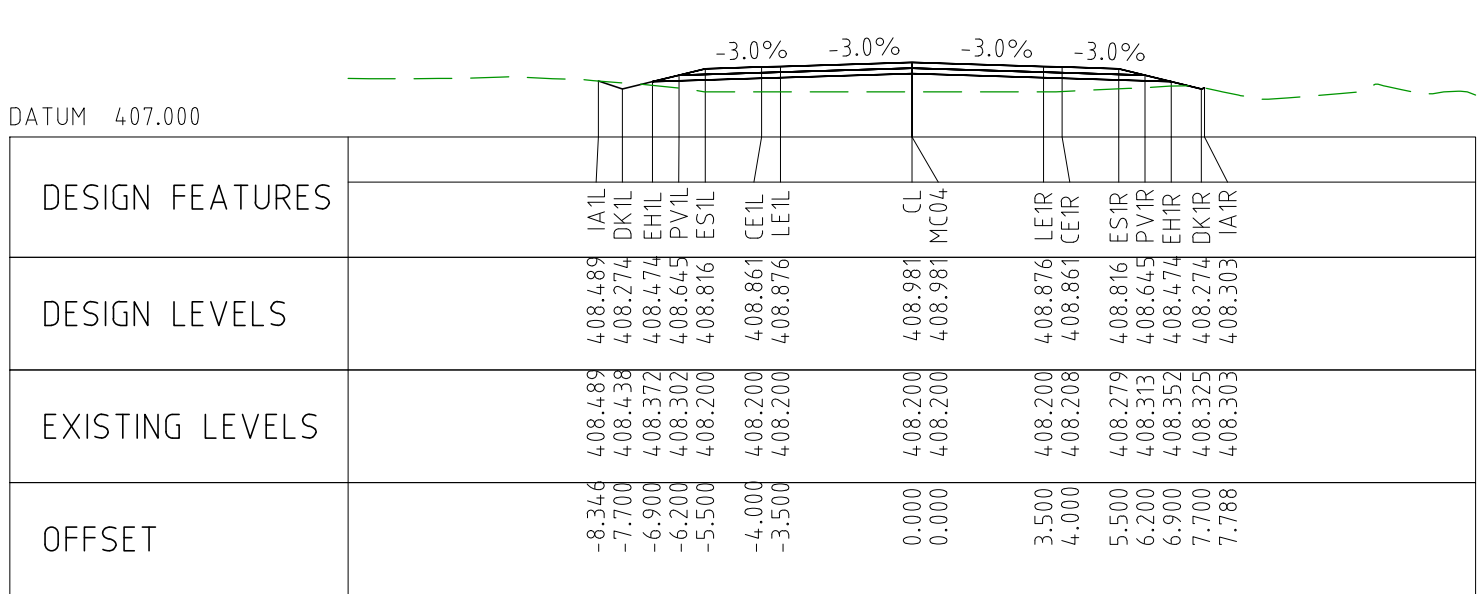
CHAINAGE 97350



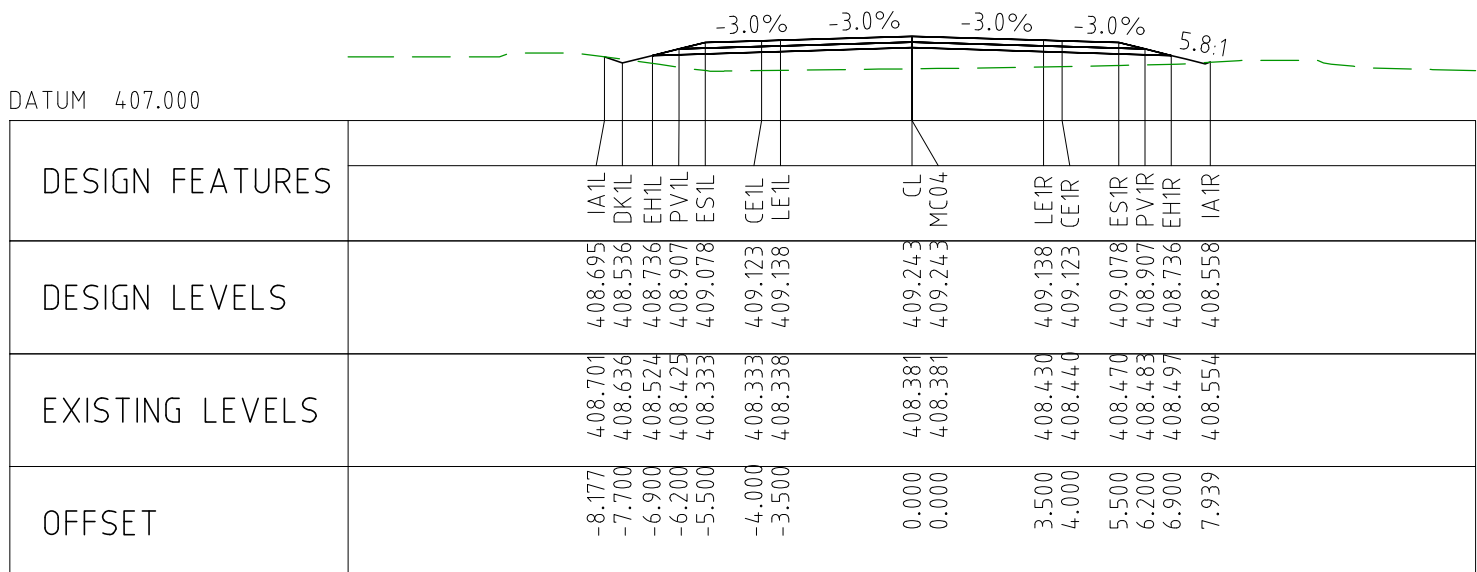
CHAINAGE 97300

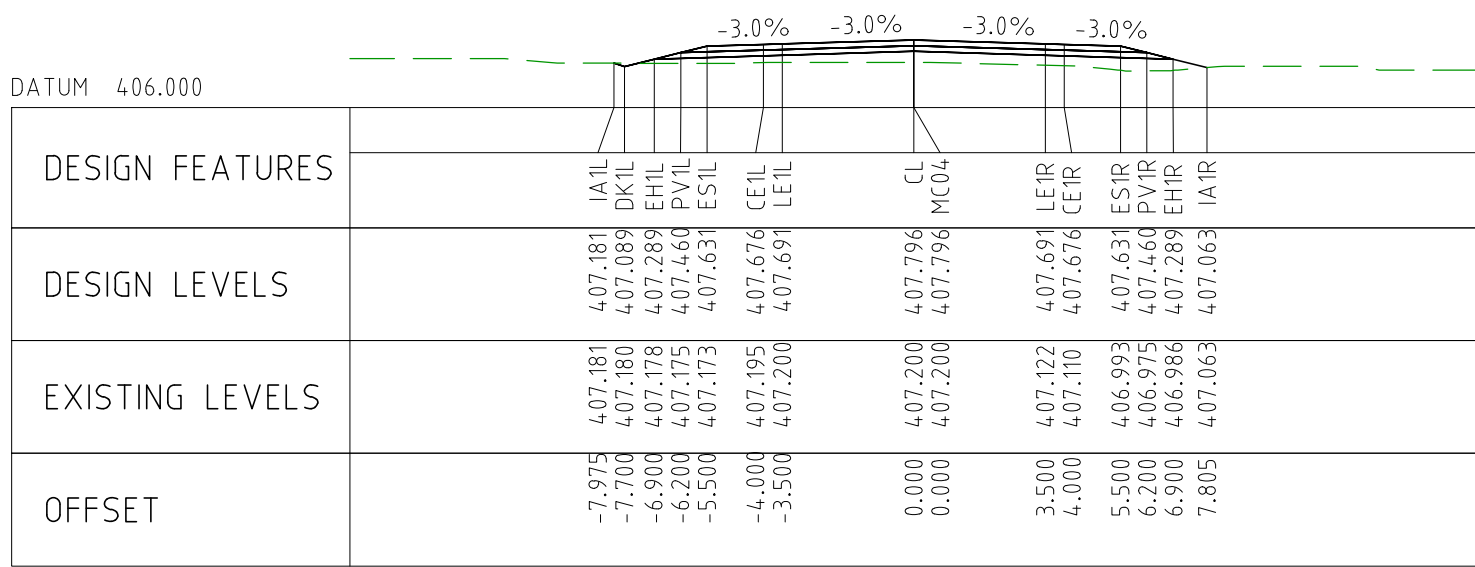


CHAINAGE 97250

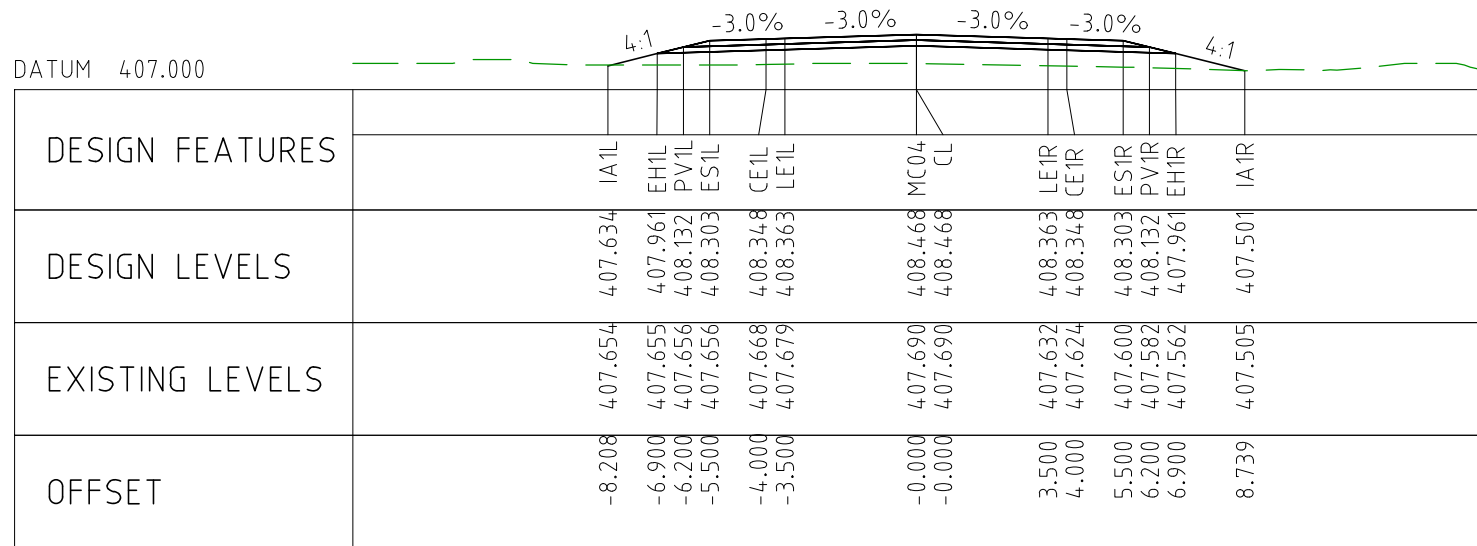


CHAINAGE 97200

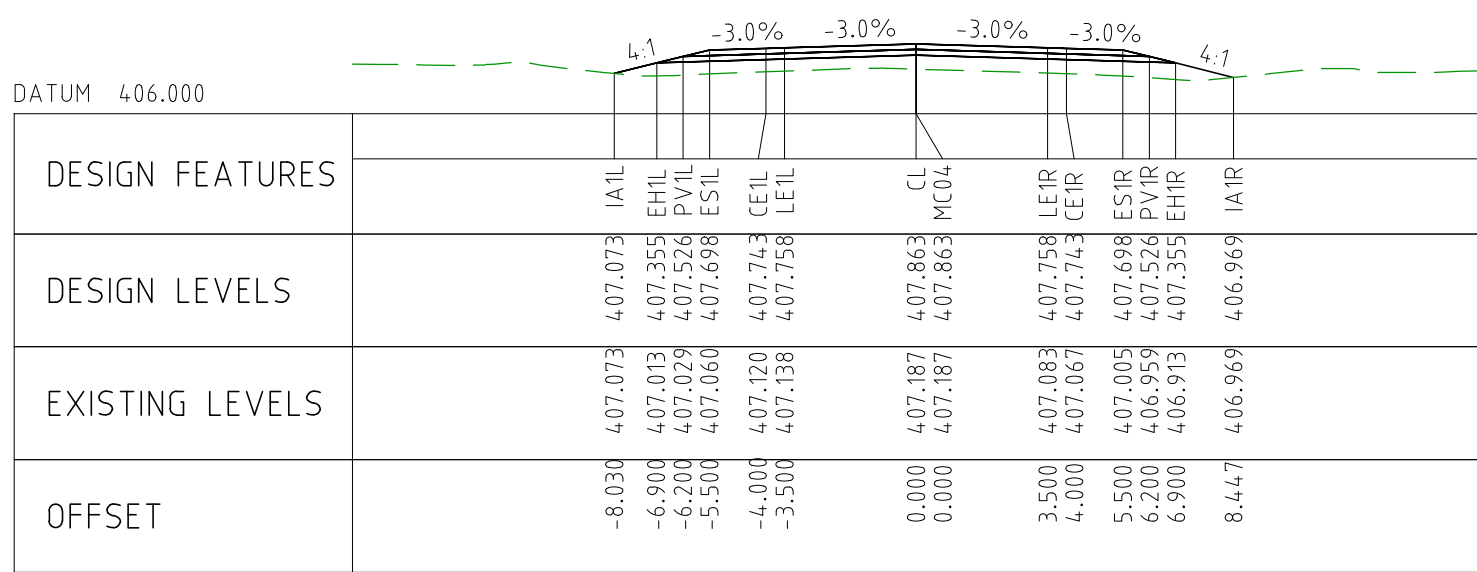




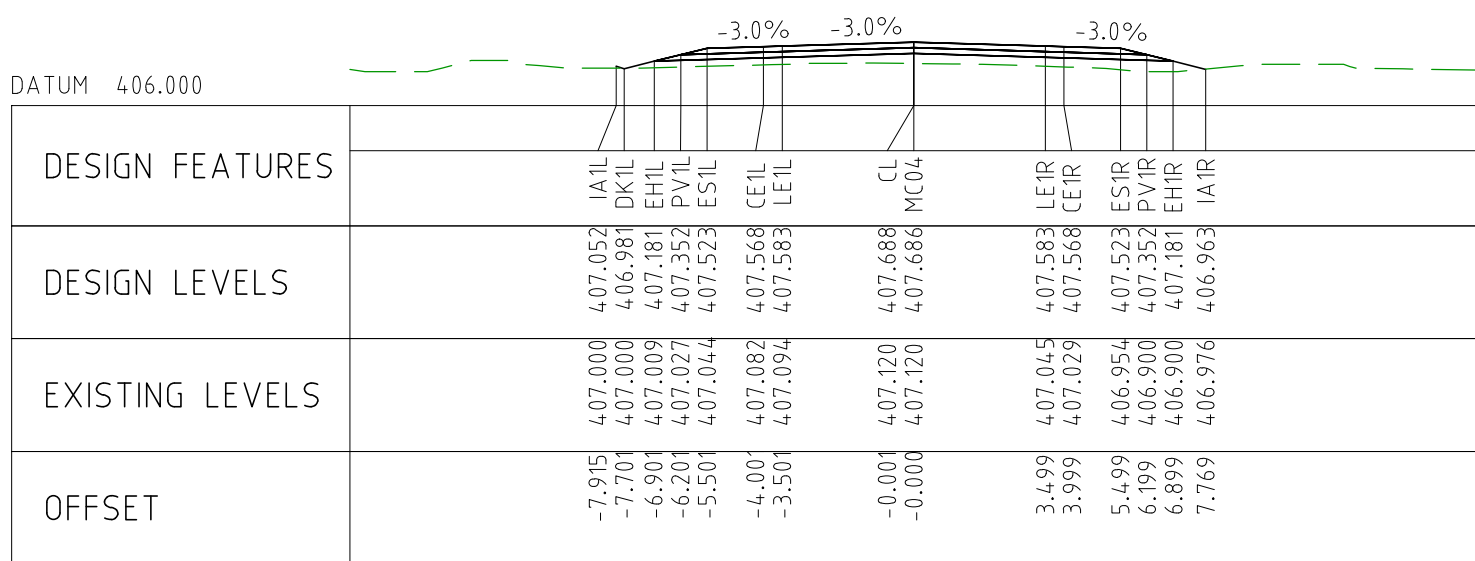
CHAINAGE 97600



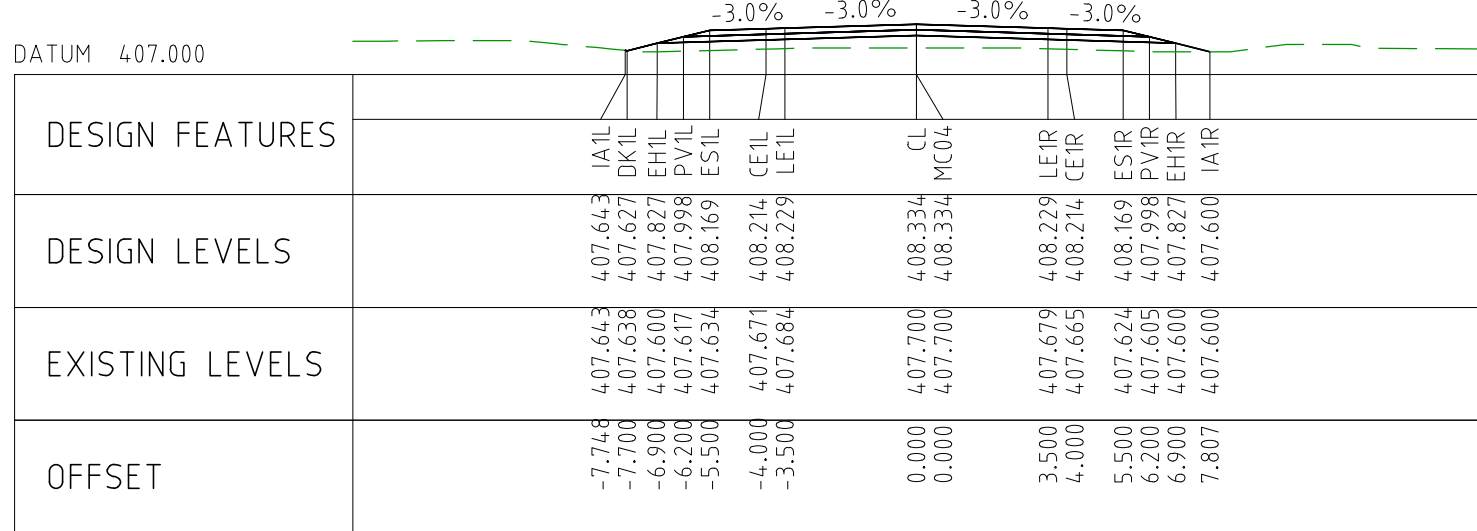
CHAINAGE 97850



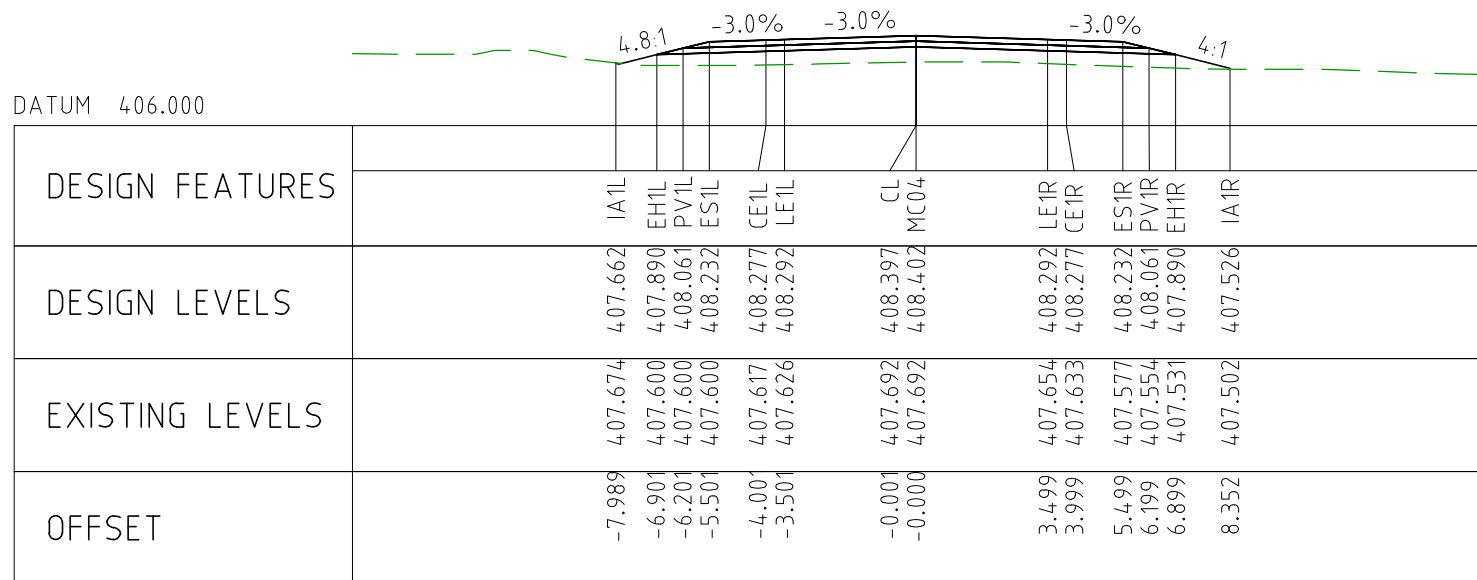
CHAINAGE 98100



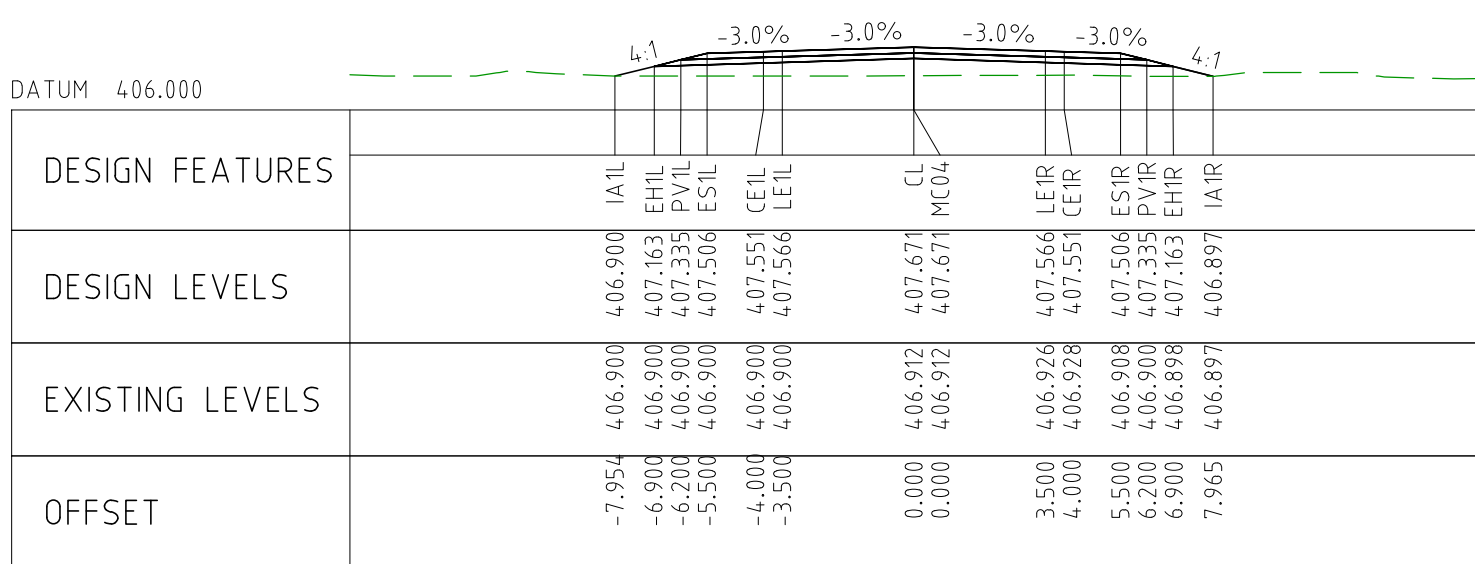
CHAINAGE 97550



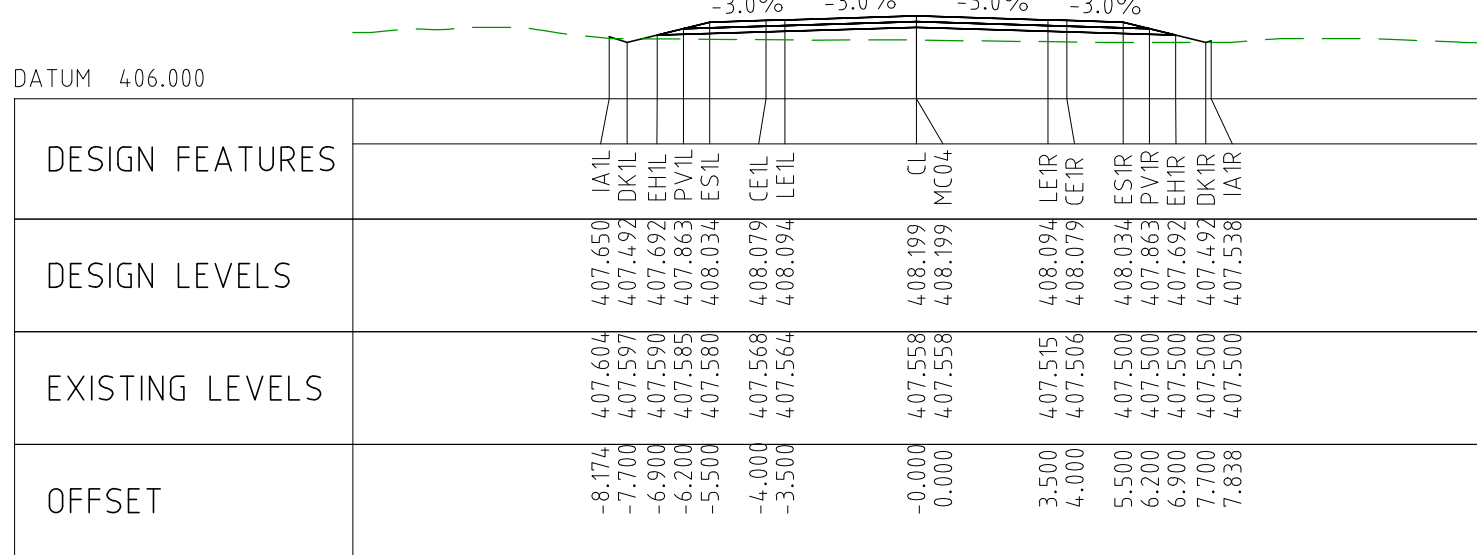
CHAINAGE 97800



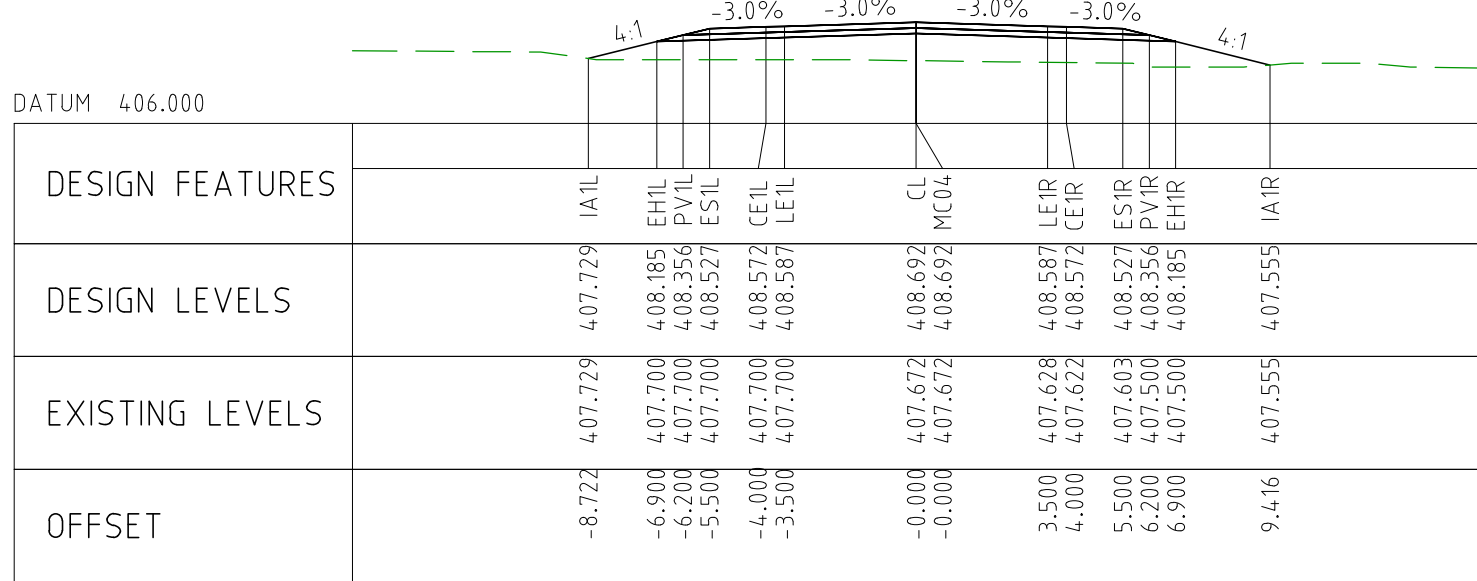
CHAINAGE 98050



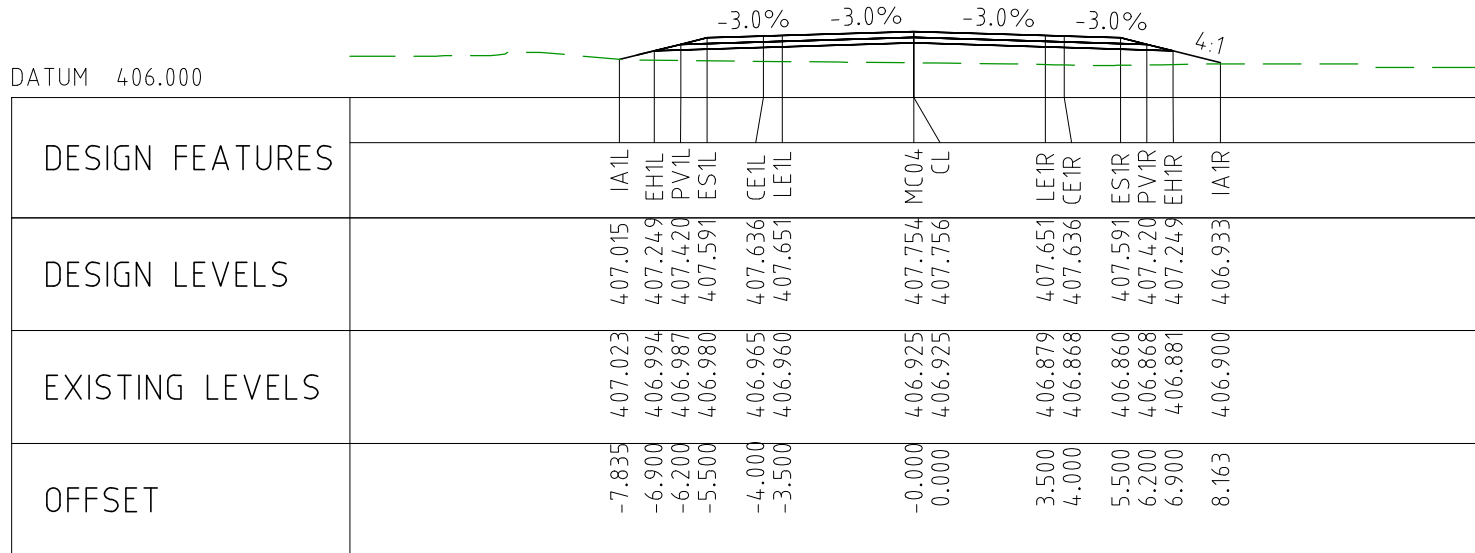
CHAINAGE 97500



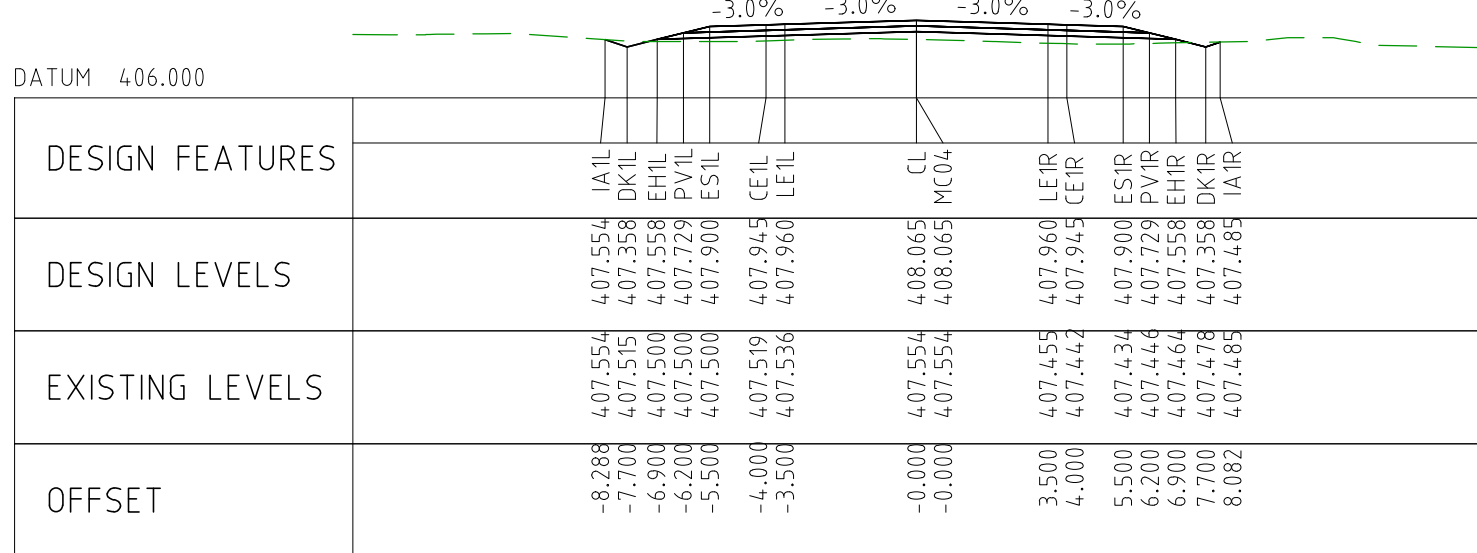
CHAINAGE 97750



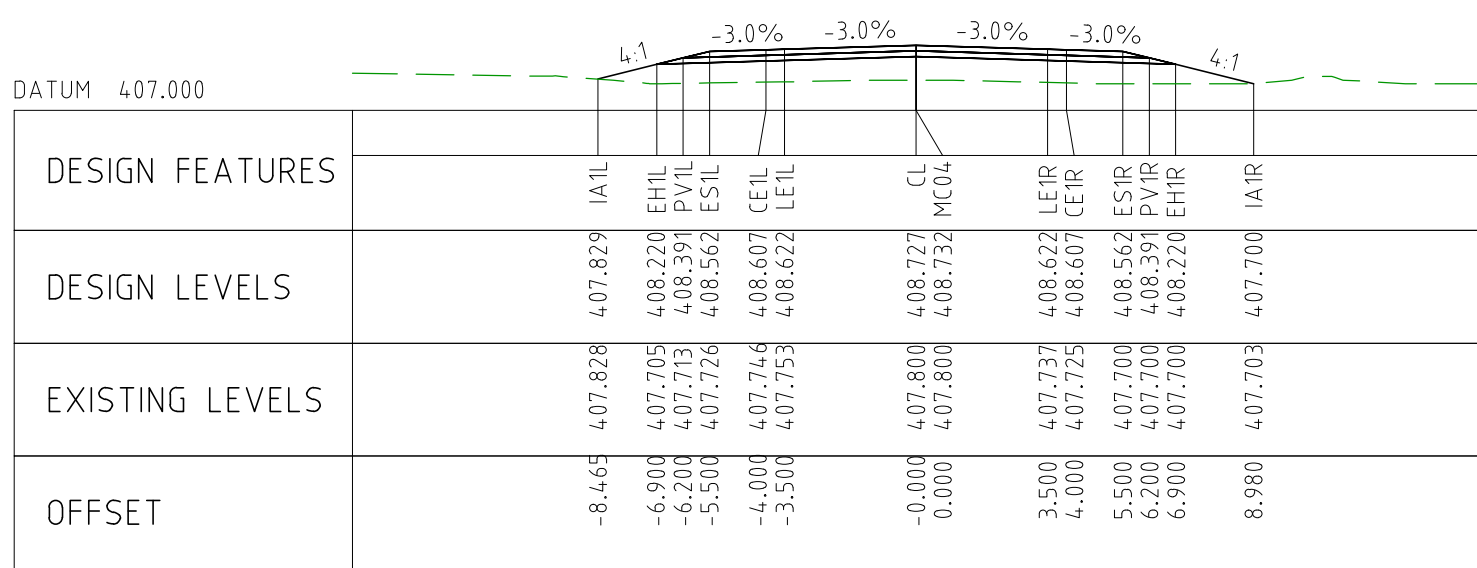
CHAINAGE 98000



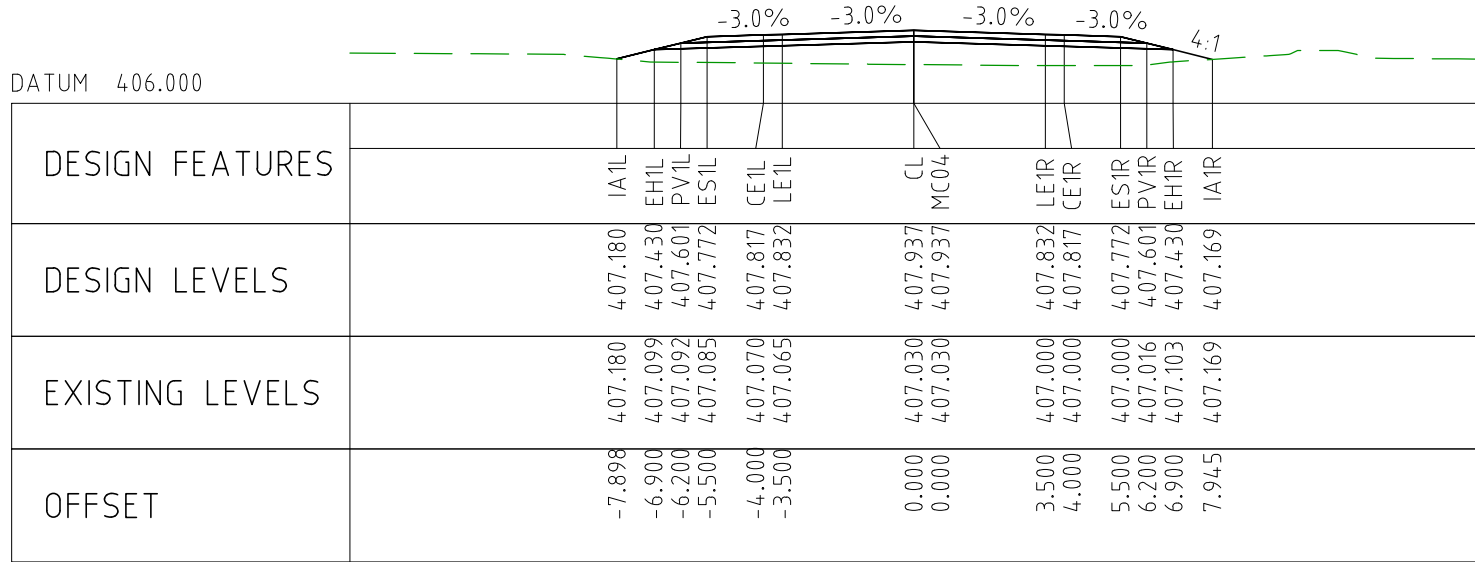
CHAINAGE 97450



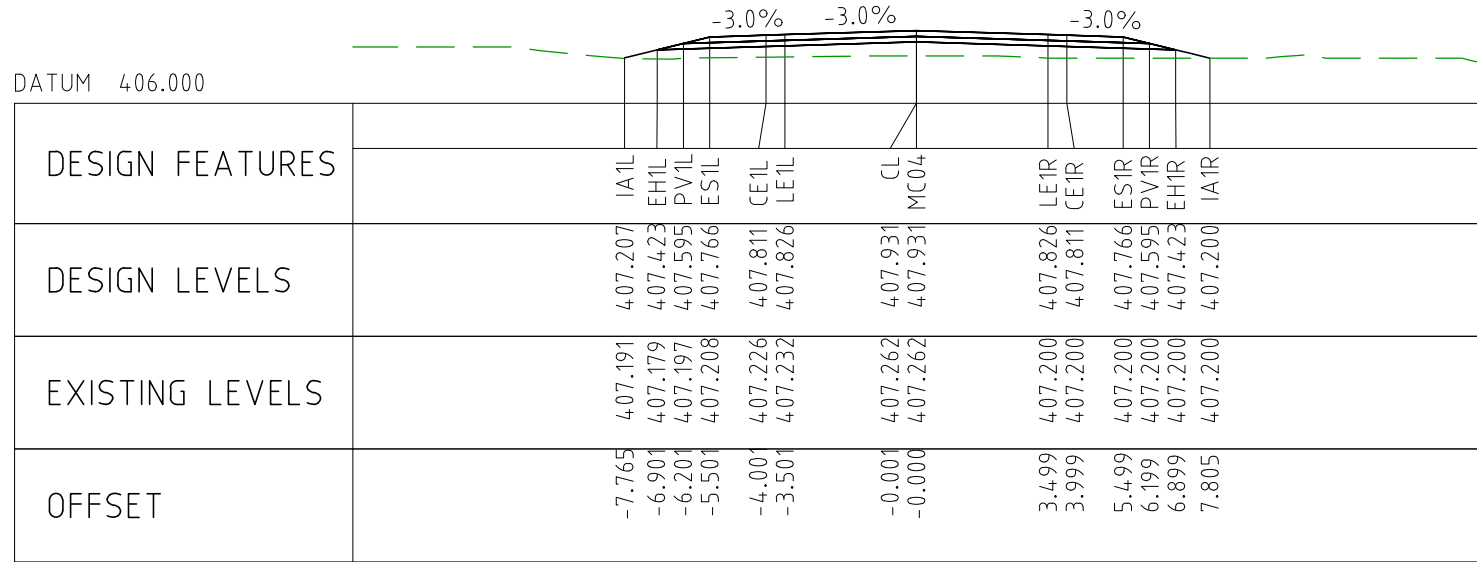
CHAINAGE 97700



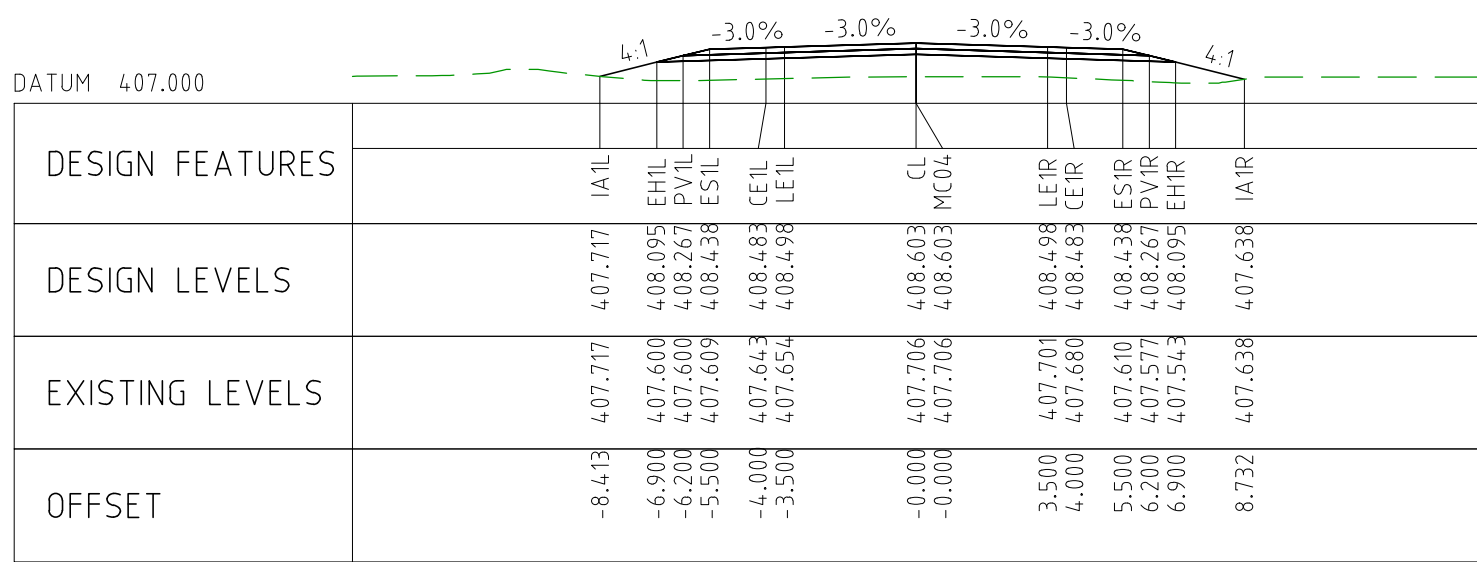
CHAINAGE 97950



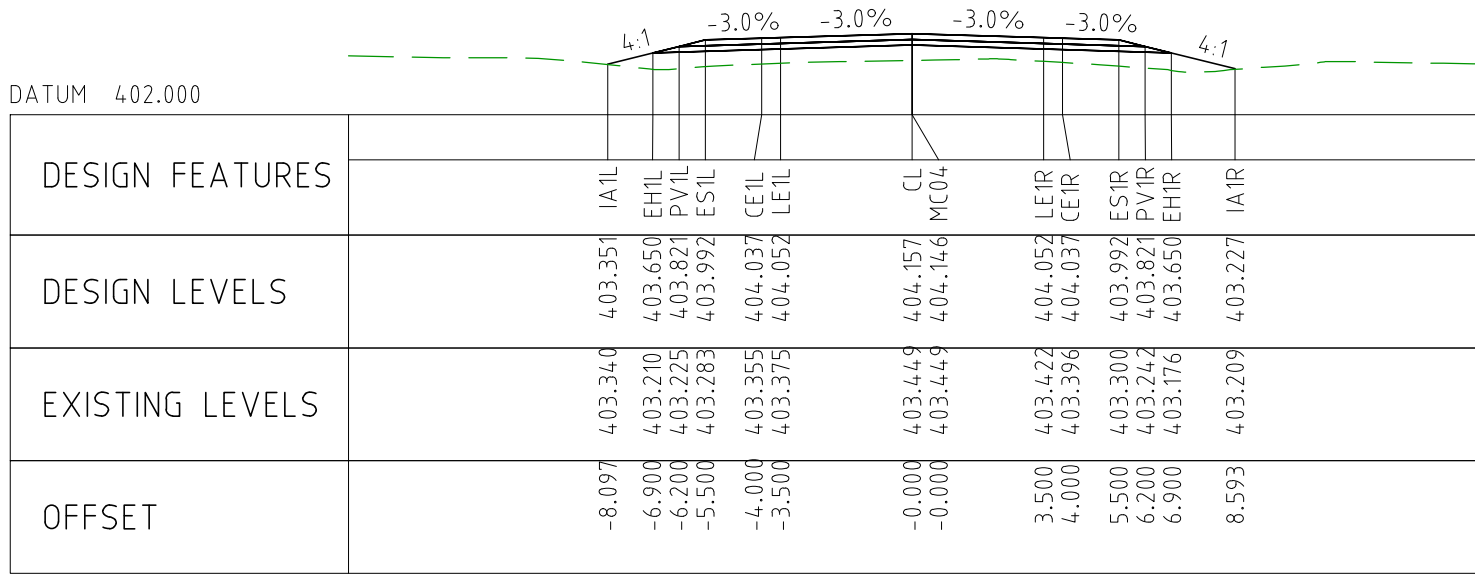
CHAINAGE 97400



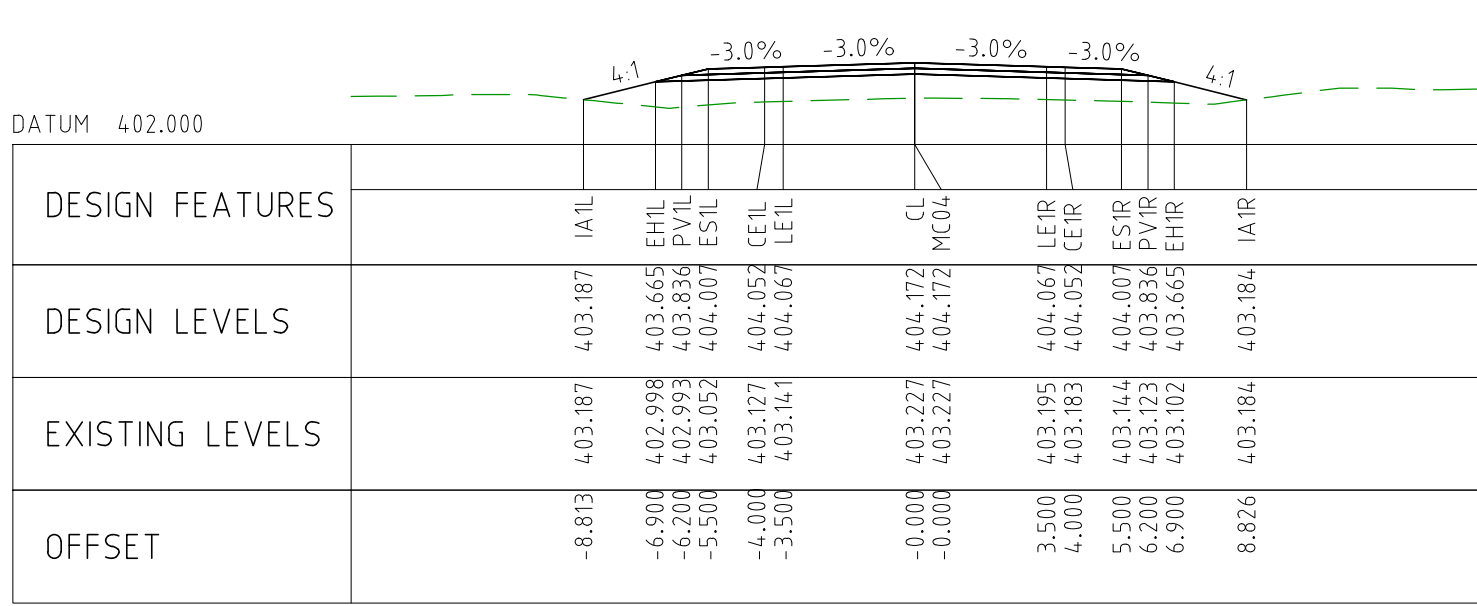
CHAINAGE 97650



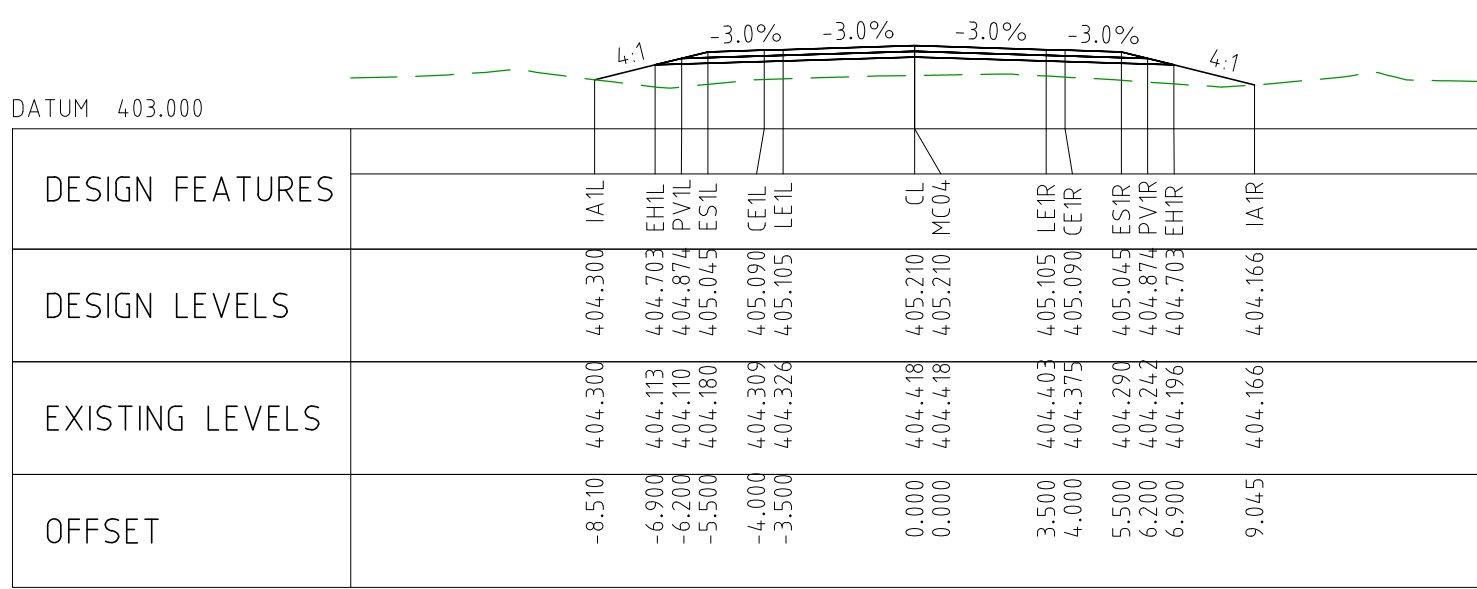
CHAINAGE 97900



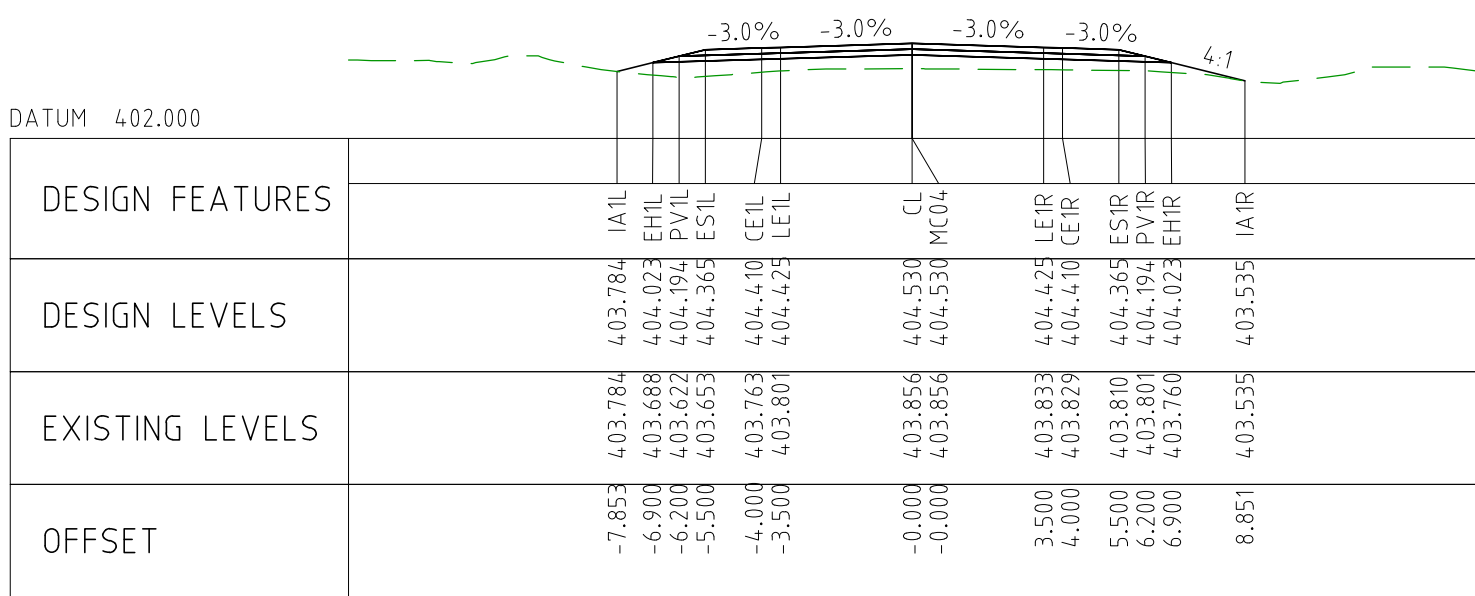
CHAINAGE 98350



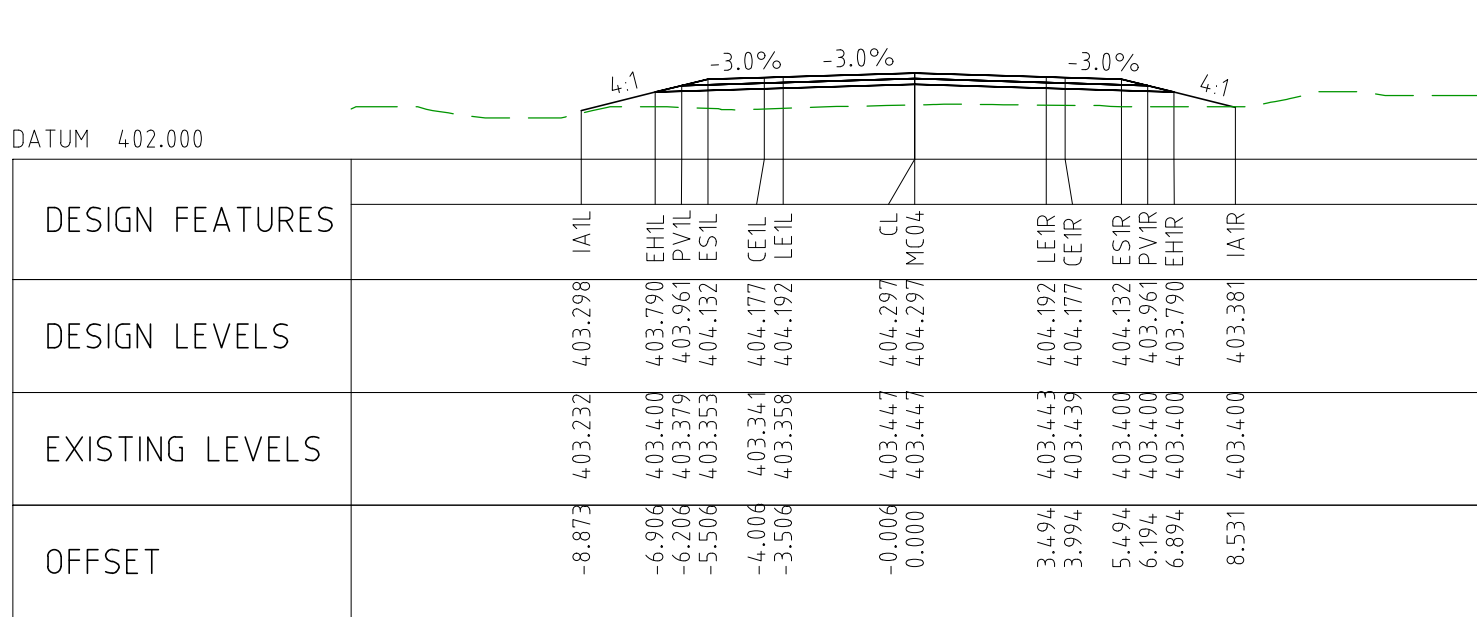
CHAINAGE 98600



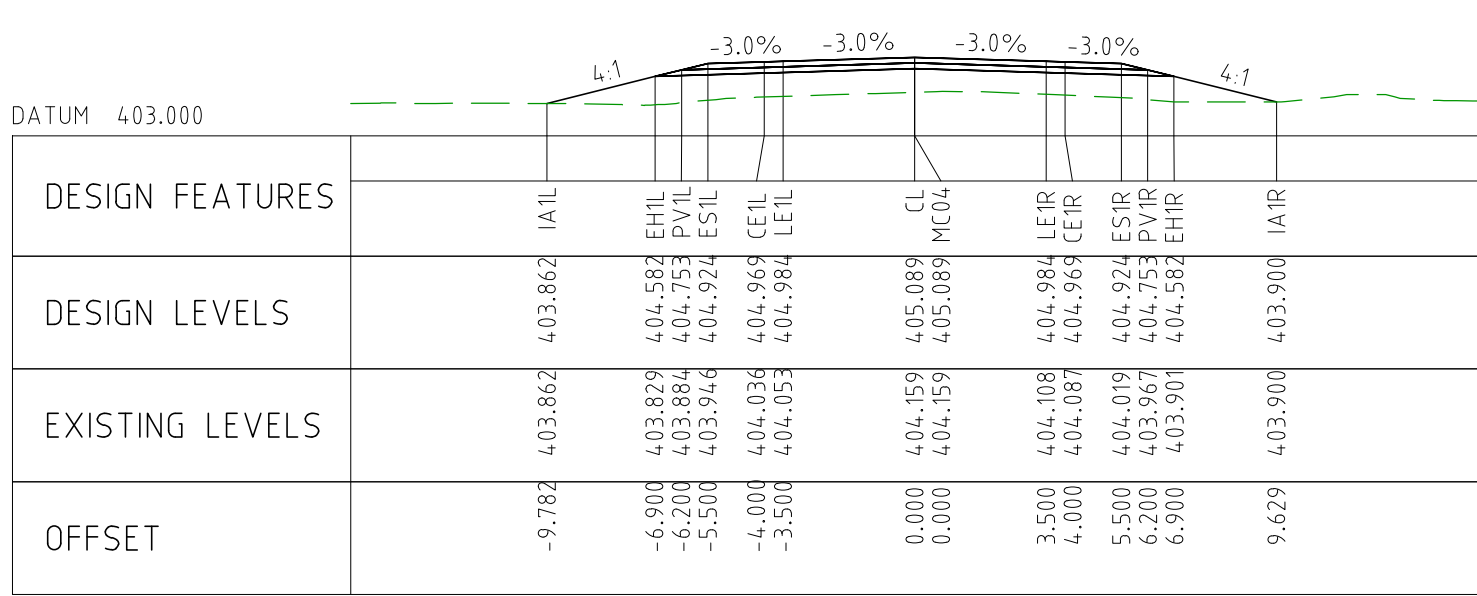
CHAINAGE 98850



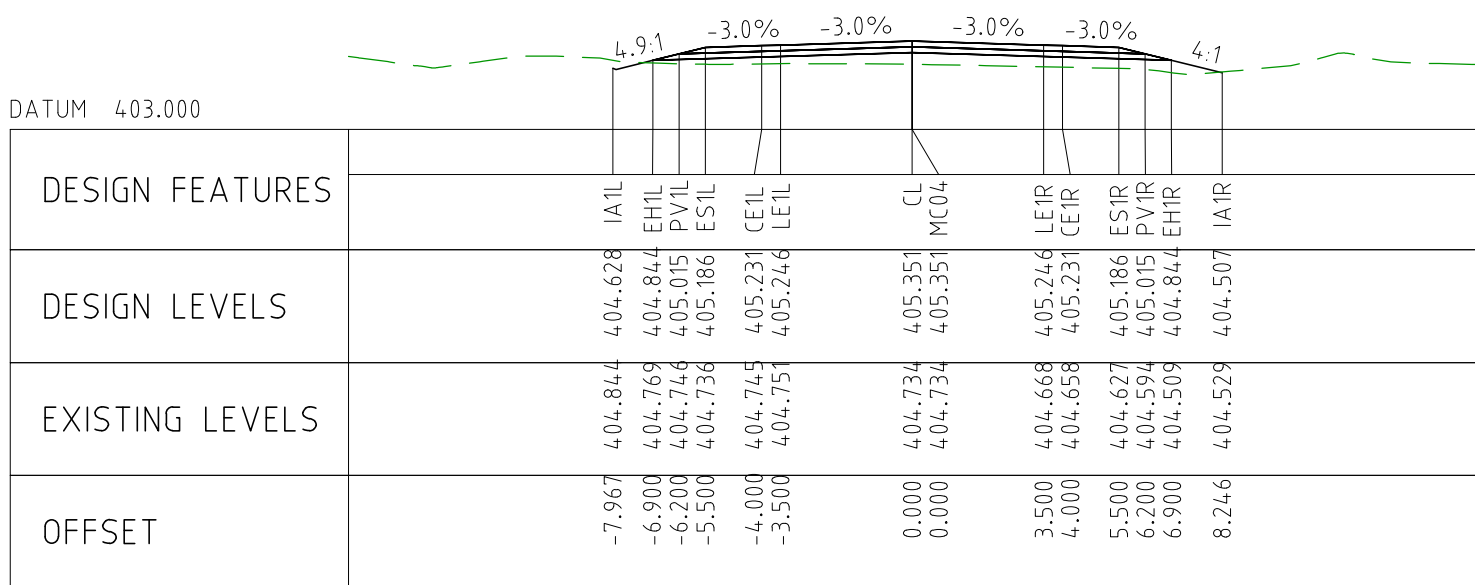
CHAINAGE 98300



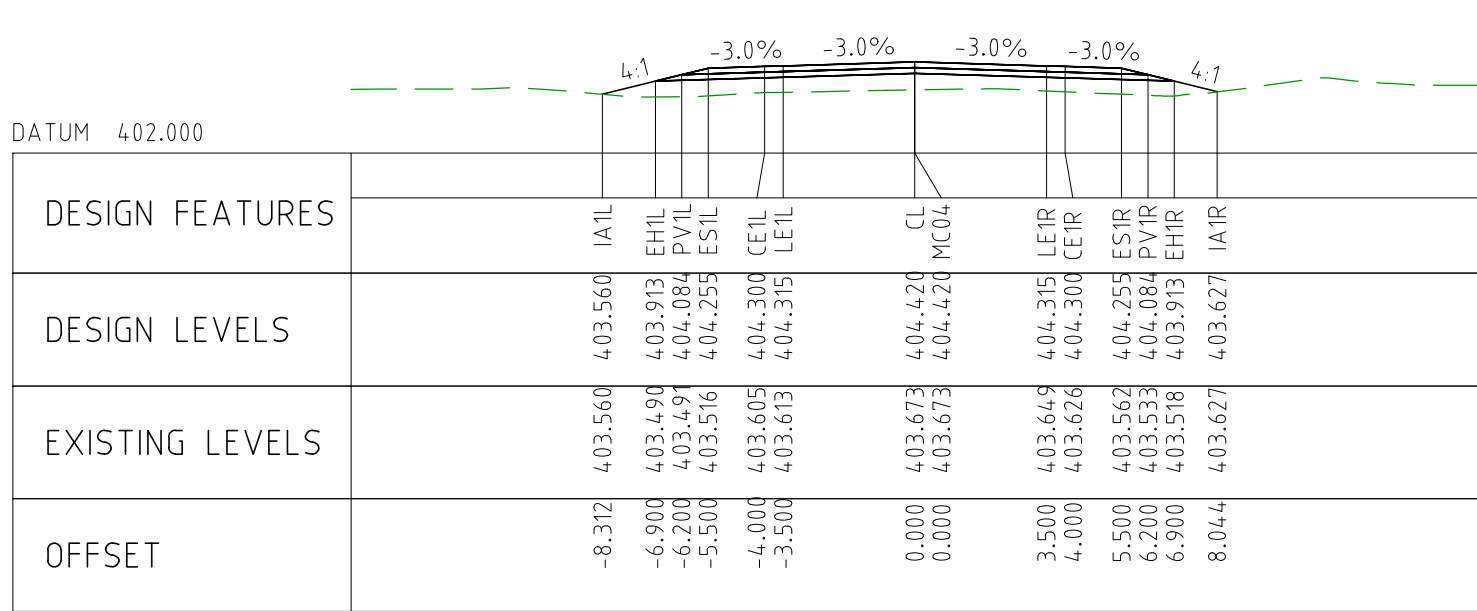
CHAINAGE 98550



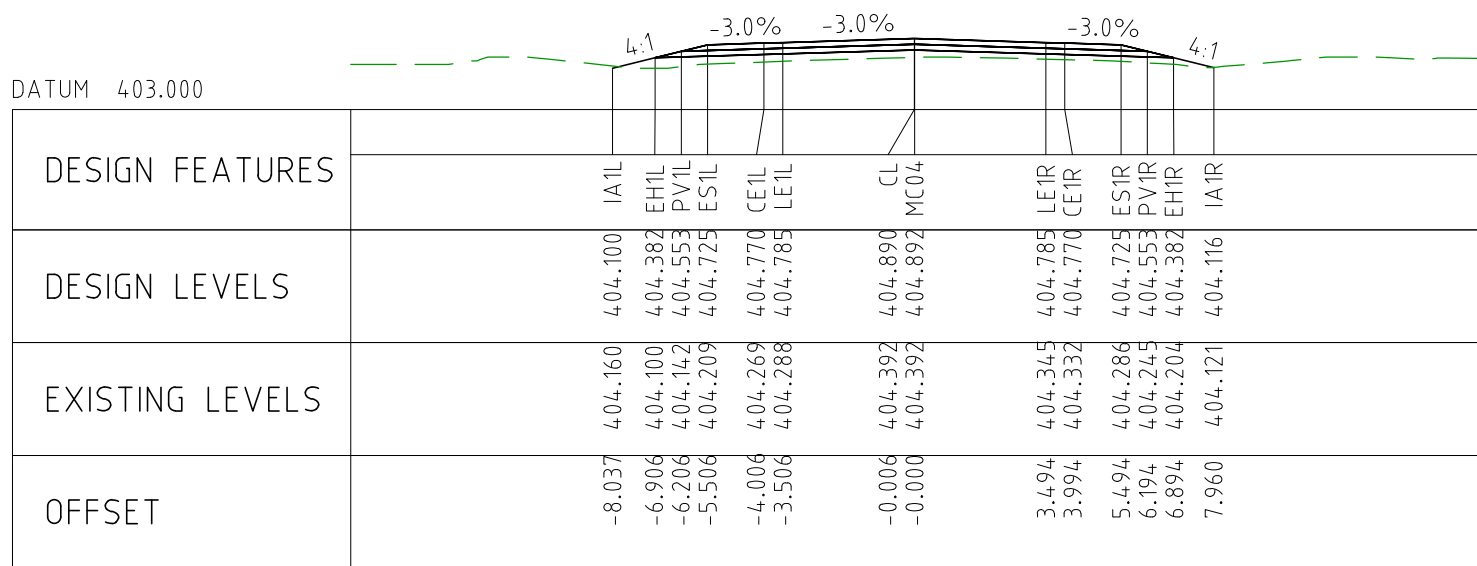
CHAINAGE 98800



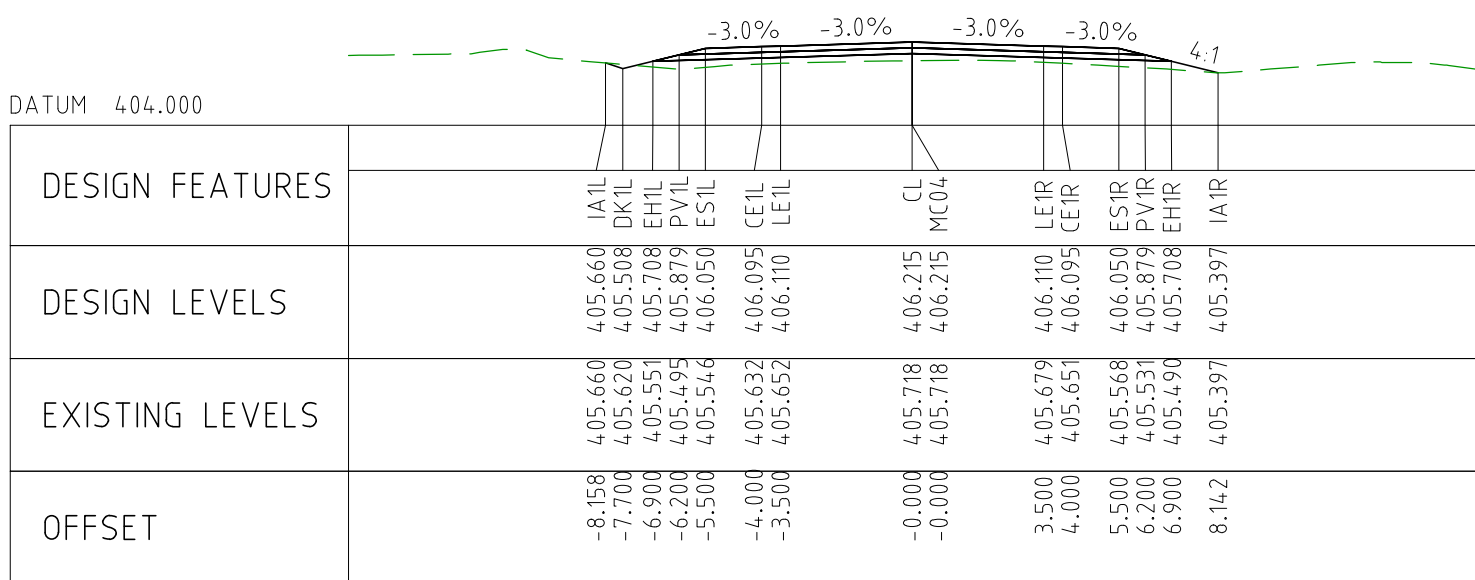
CHAINAGE 98250



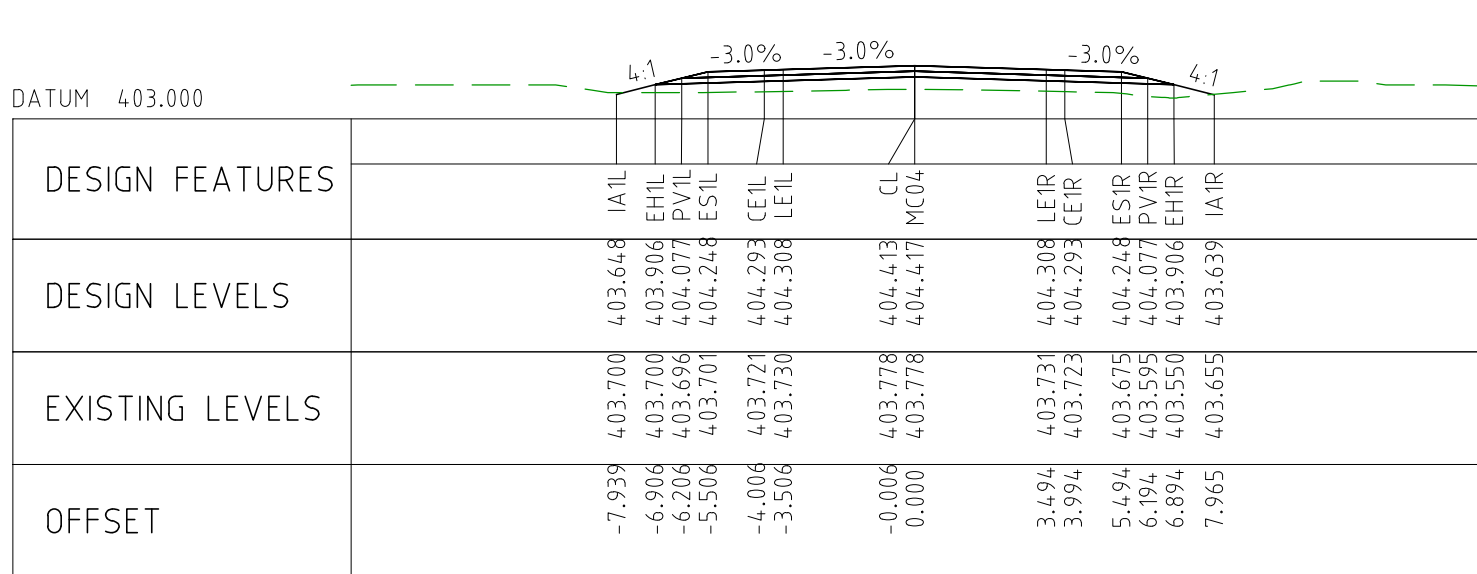
CHAINAGE 98500



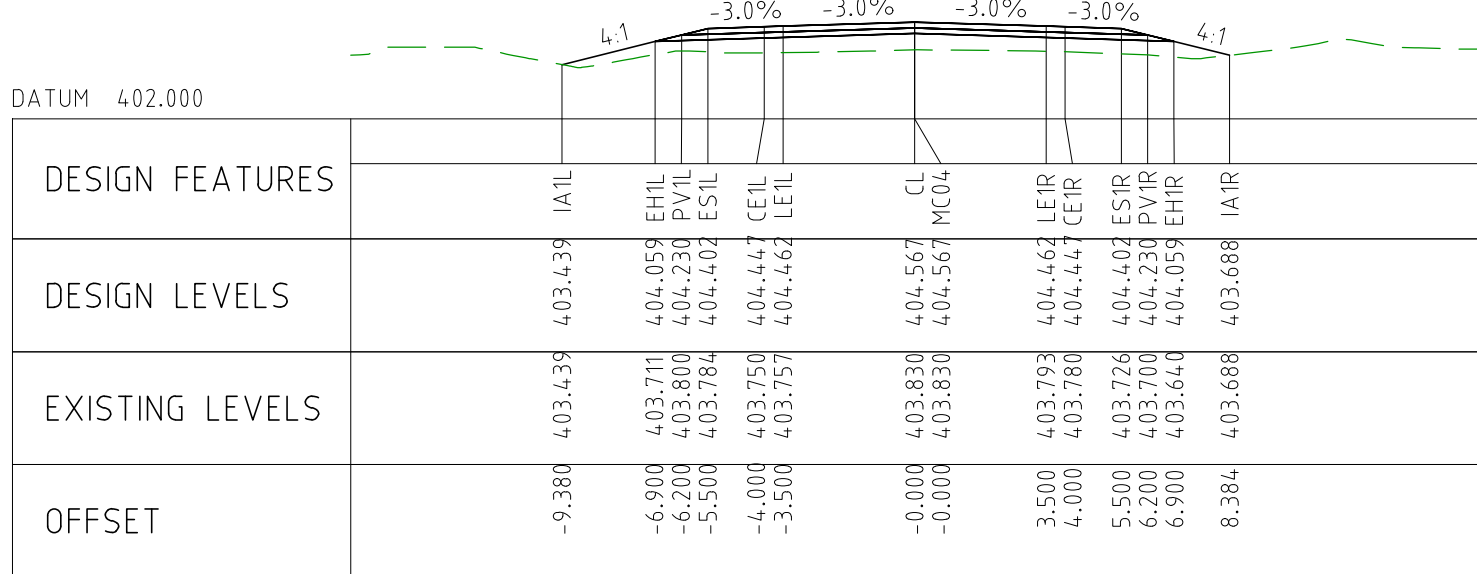
CHAINAGE 98750



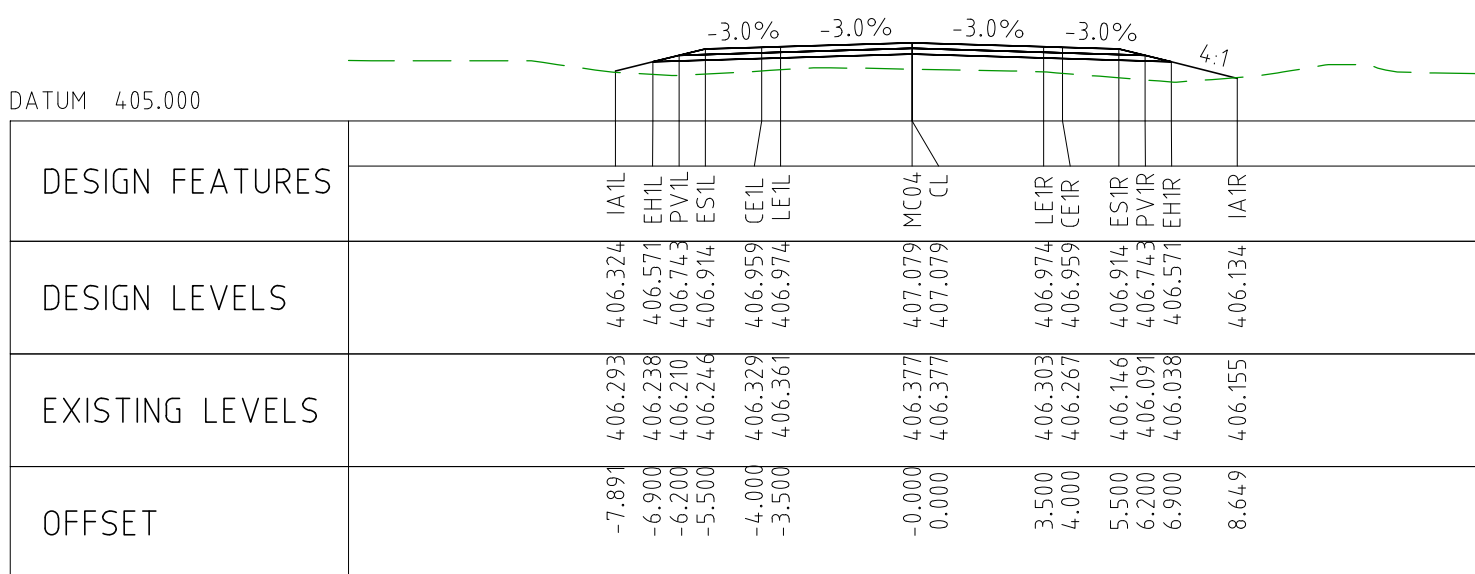
CHAINAGE 98200



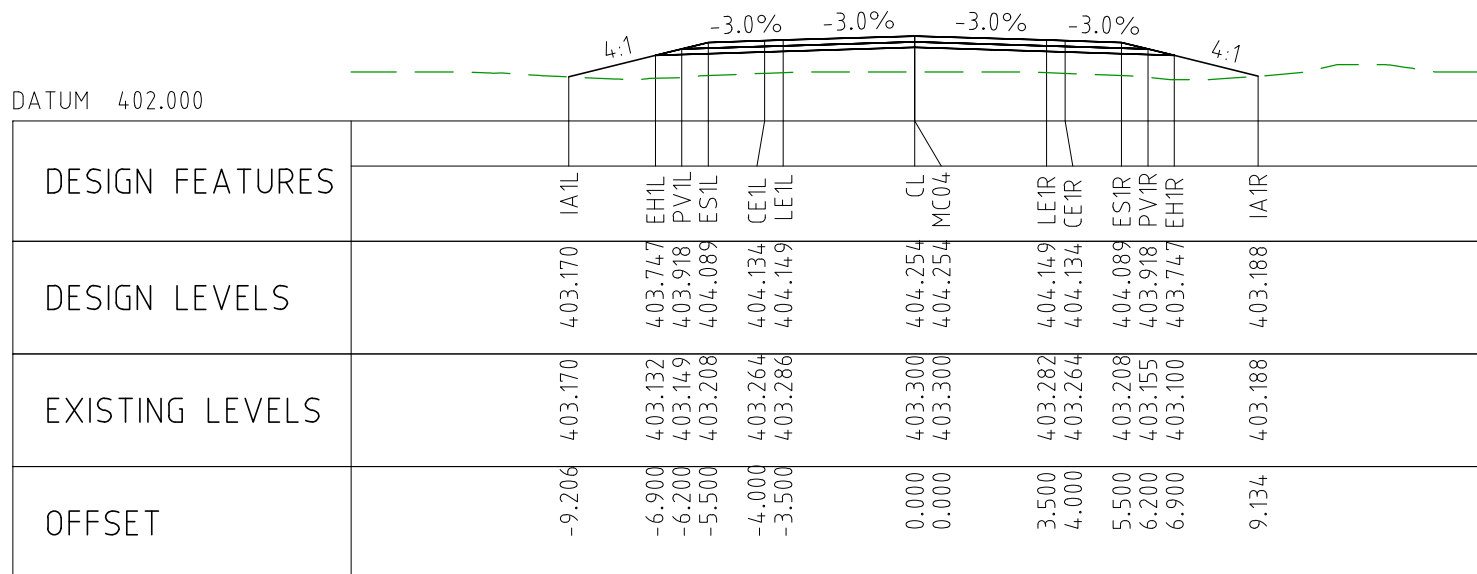
CHAINAGE 98450



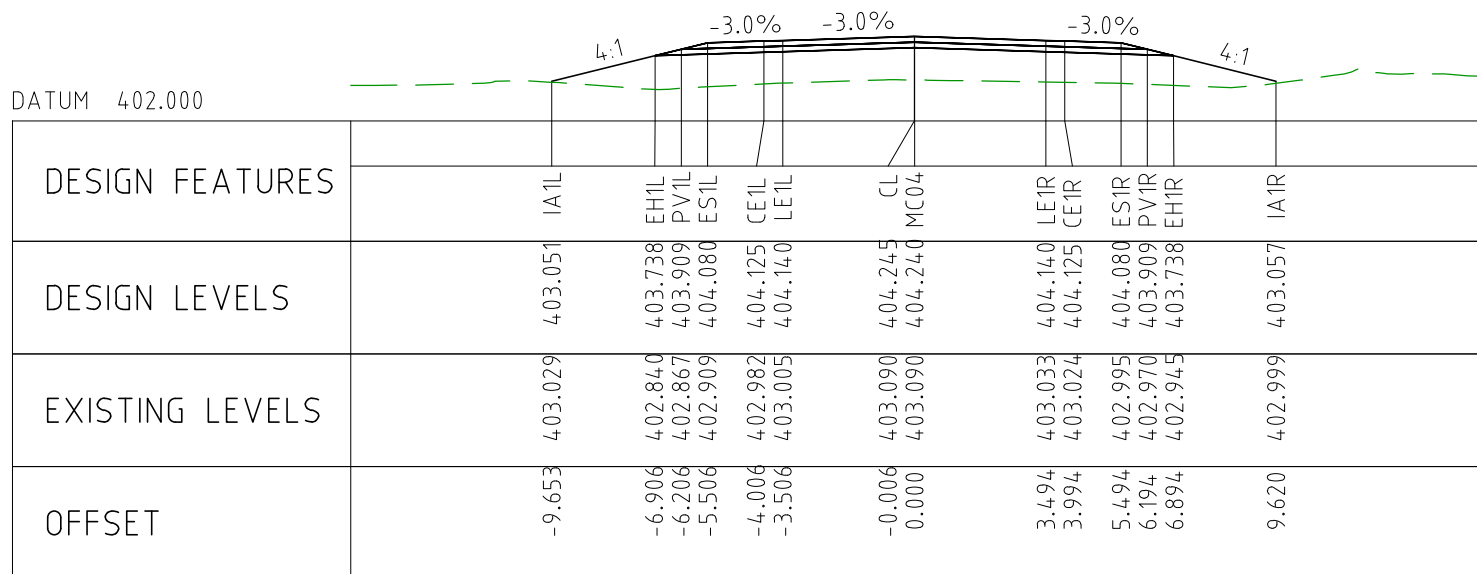
CHAINAGE 98700

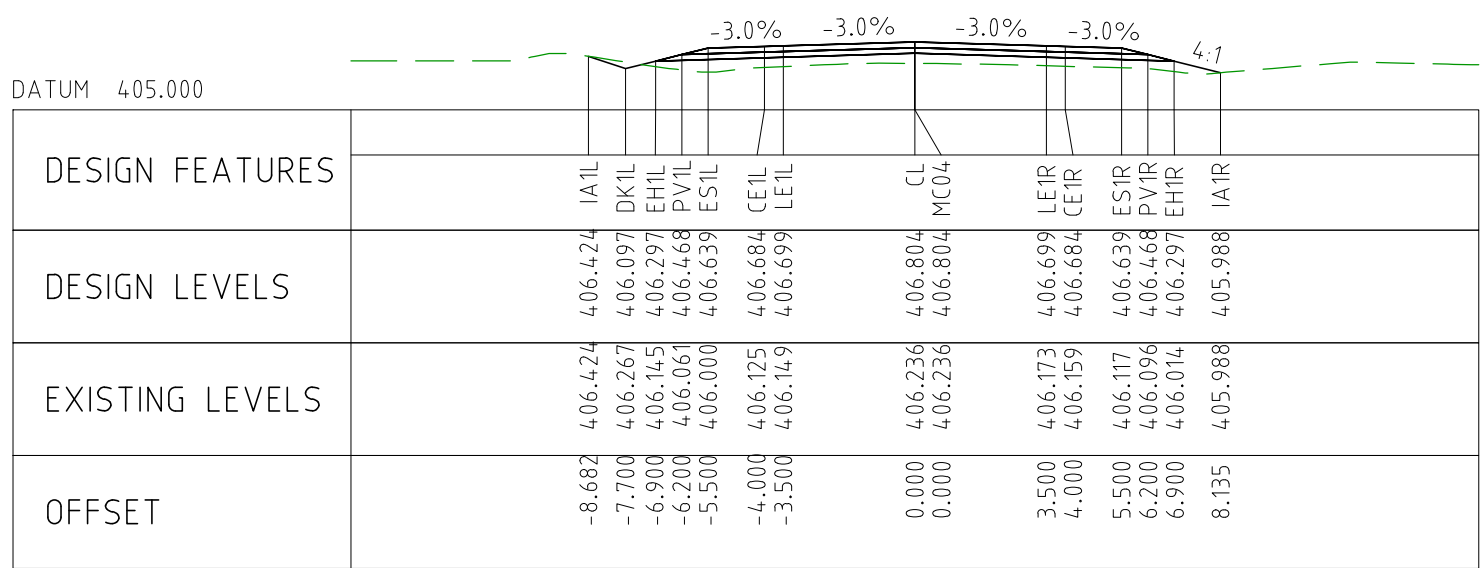


CHAINAGE 98150

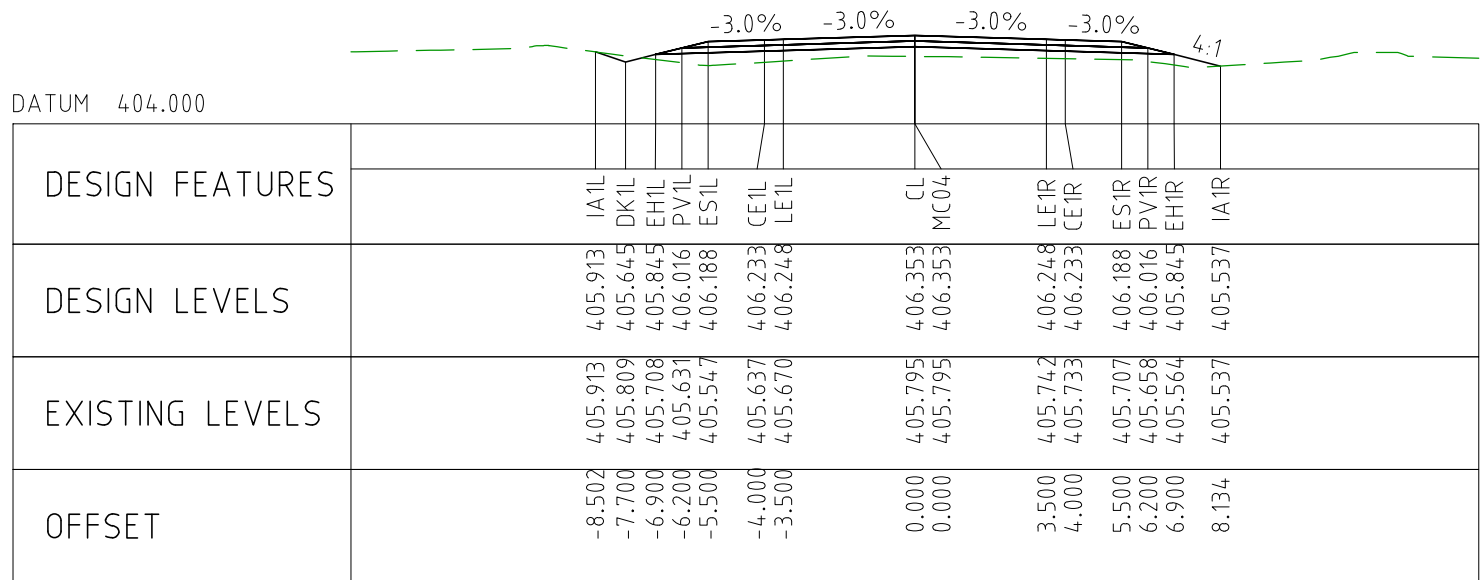


CHAINAGE 98400

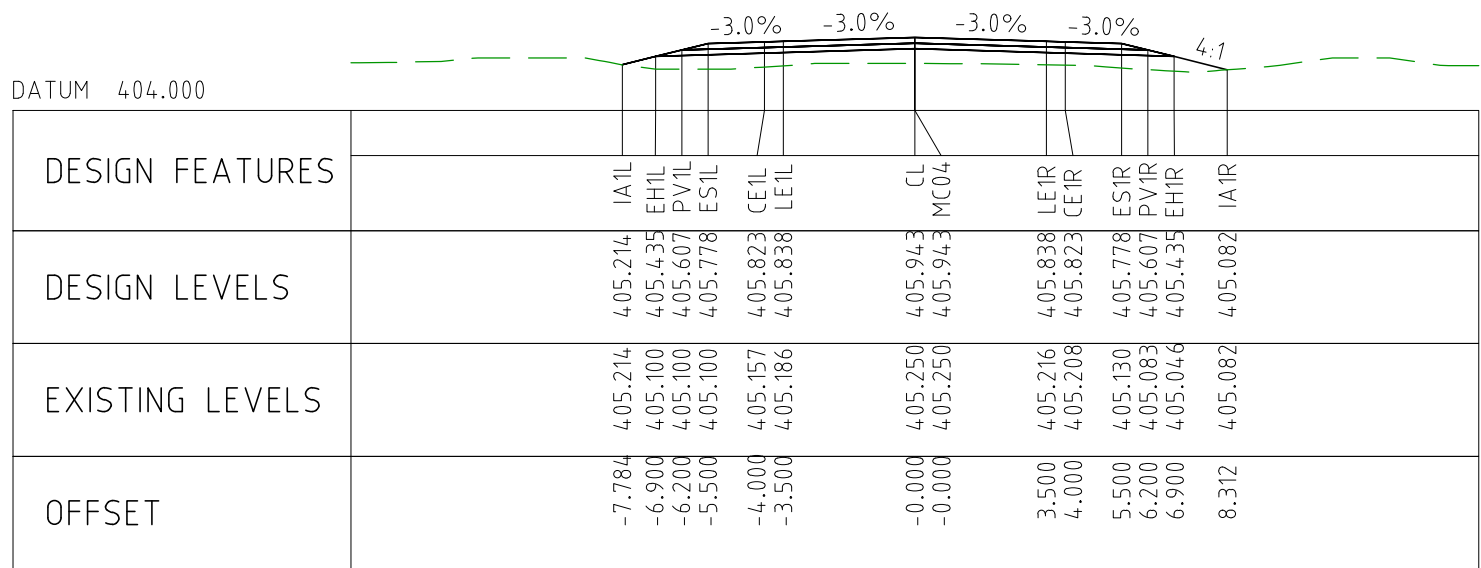




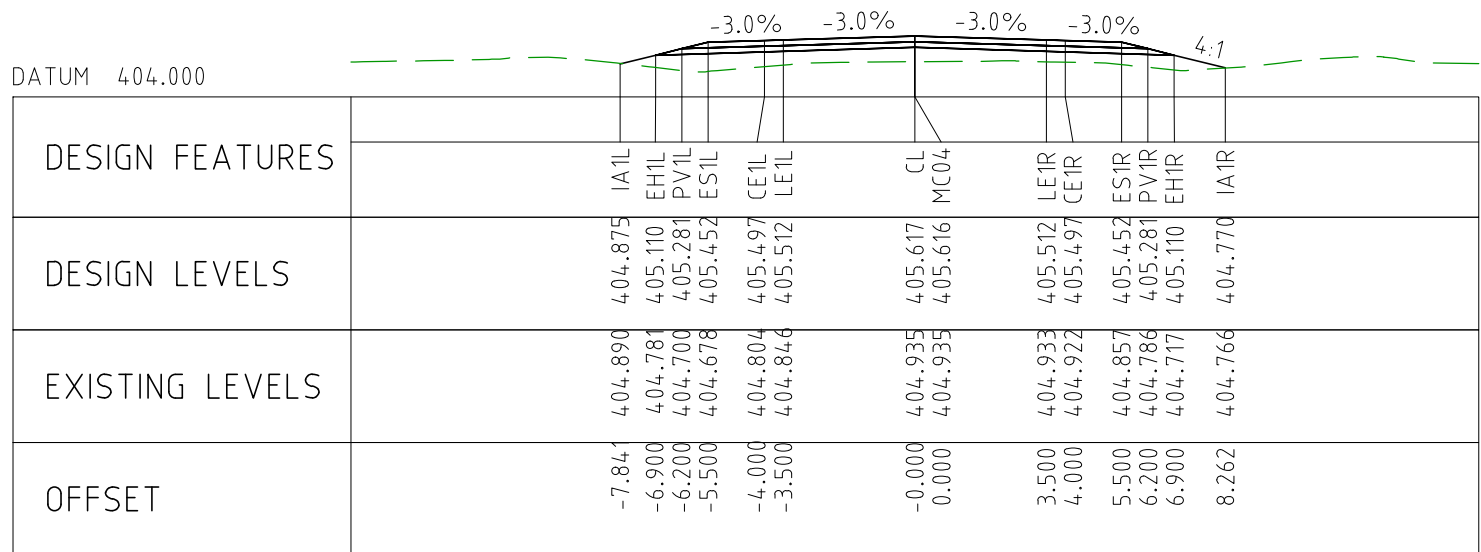
CHAINAGE 99100



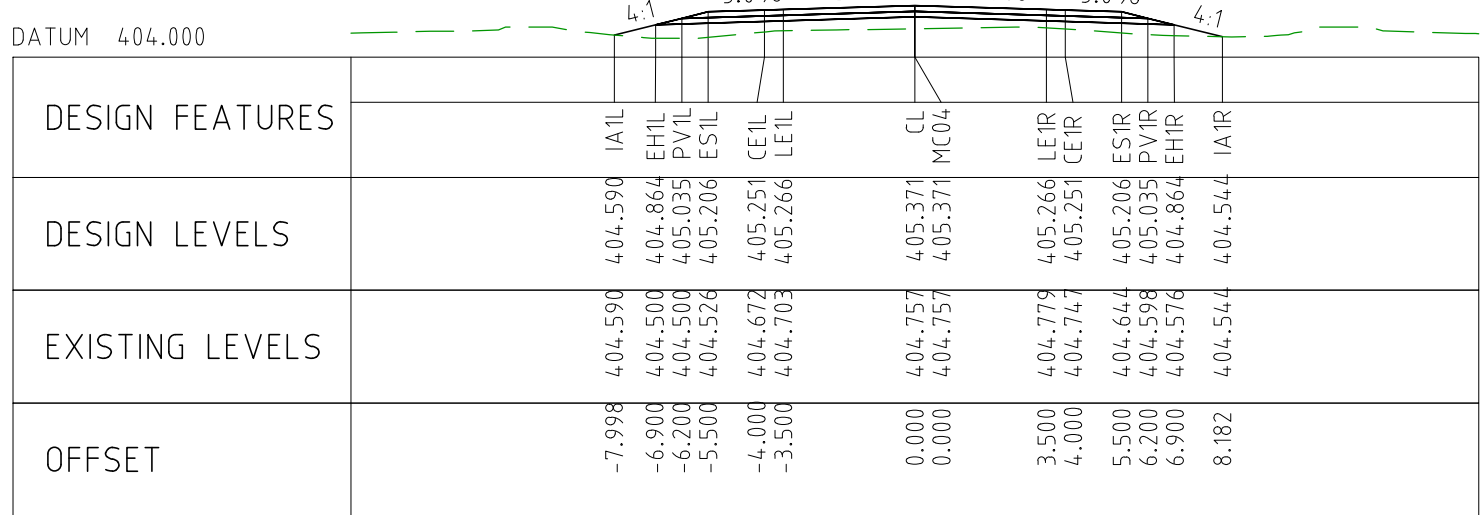
CHAINAGE 99050



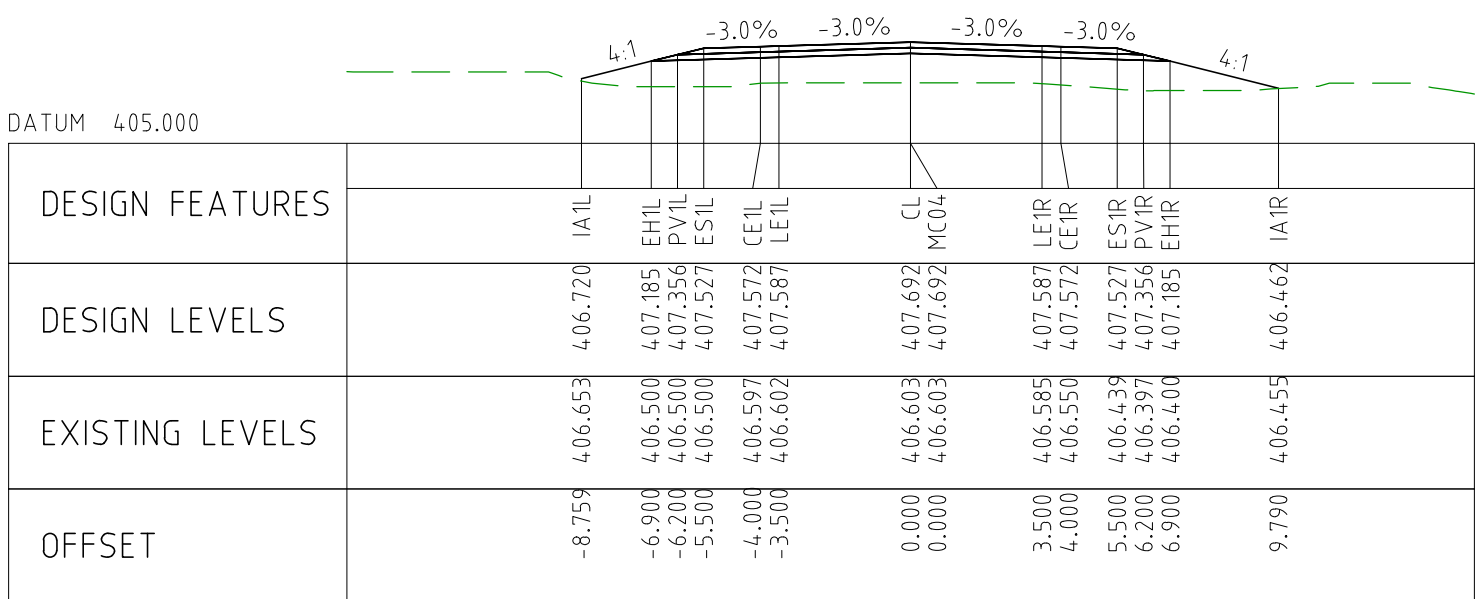
CHAINAGE 99000



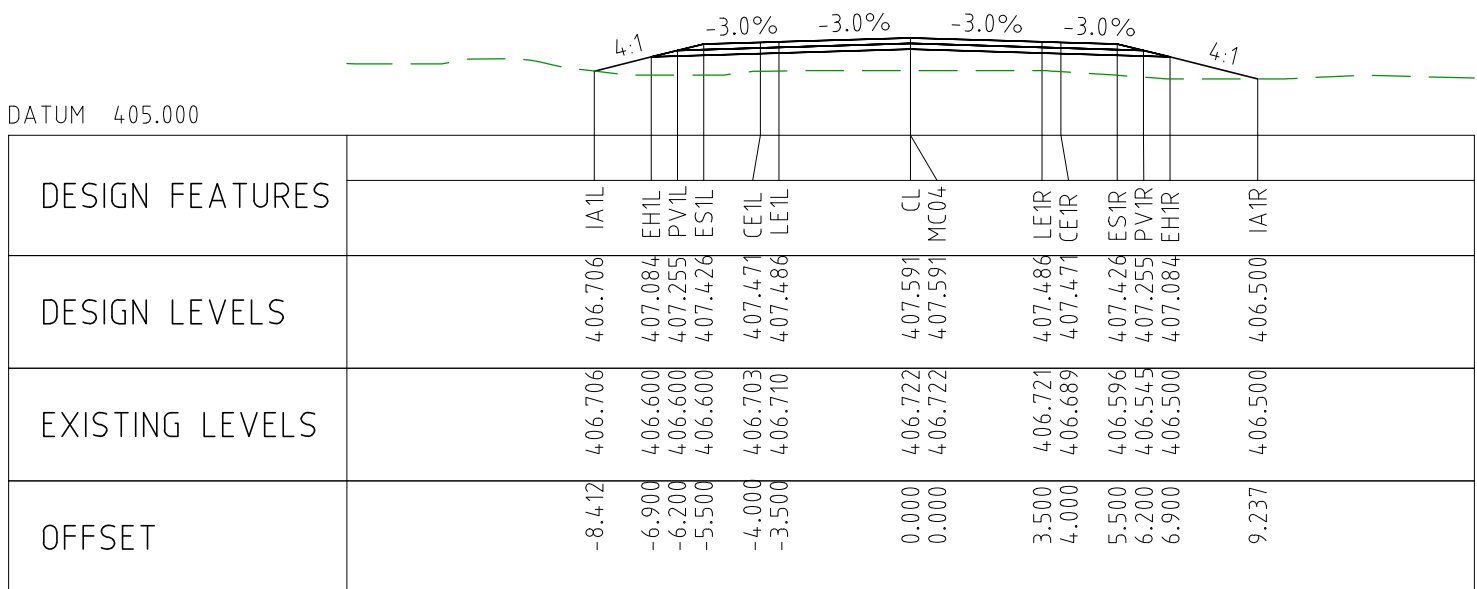
CHAINAGE 98950



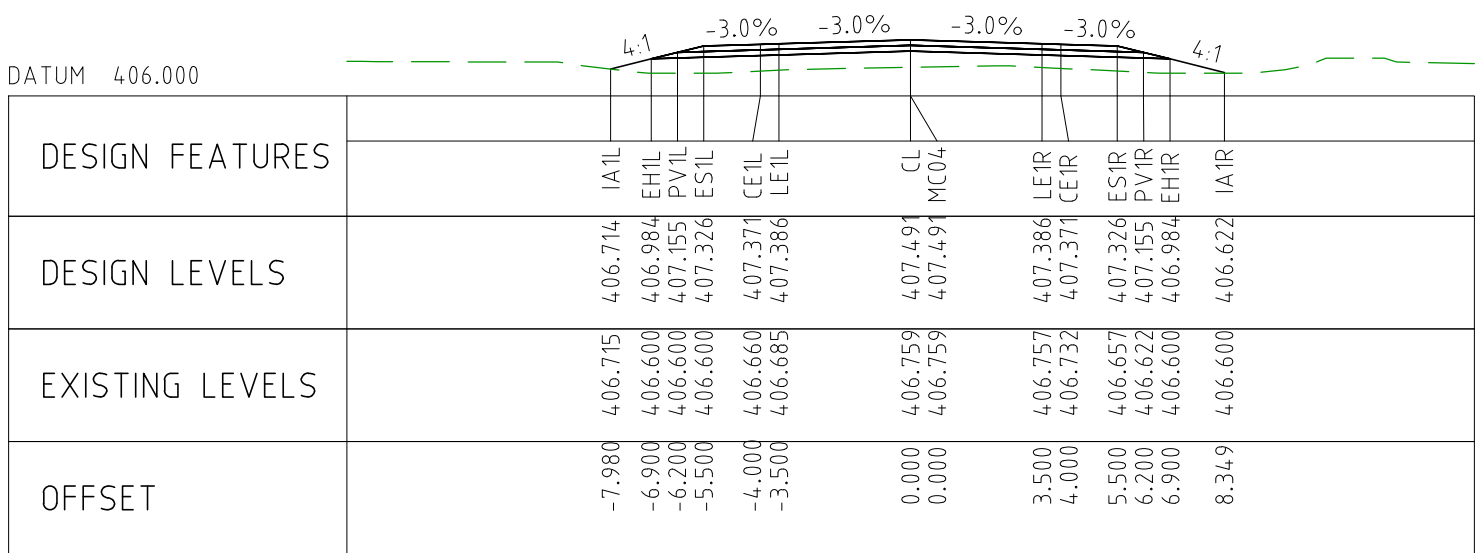
CHAINAGE 98900



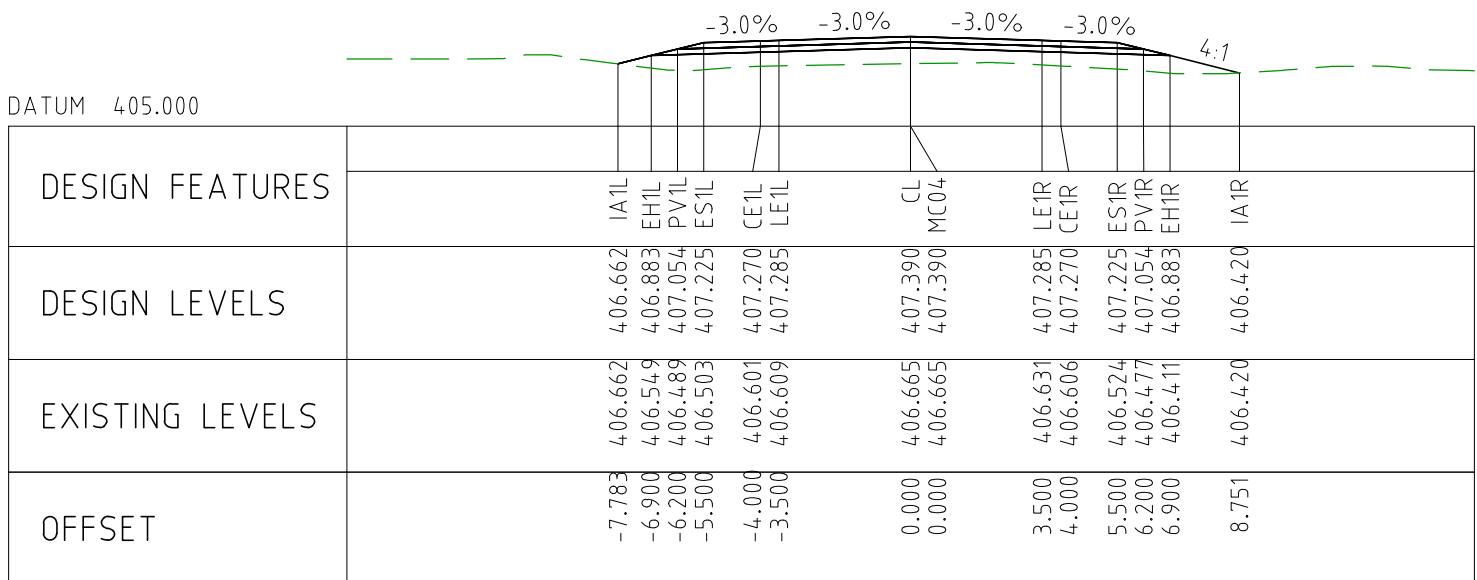
CHAINAGE 99350



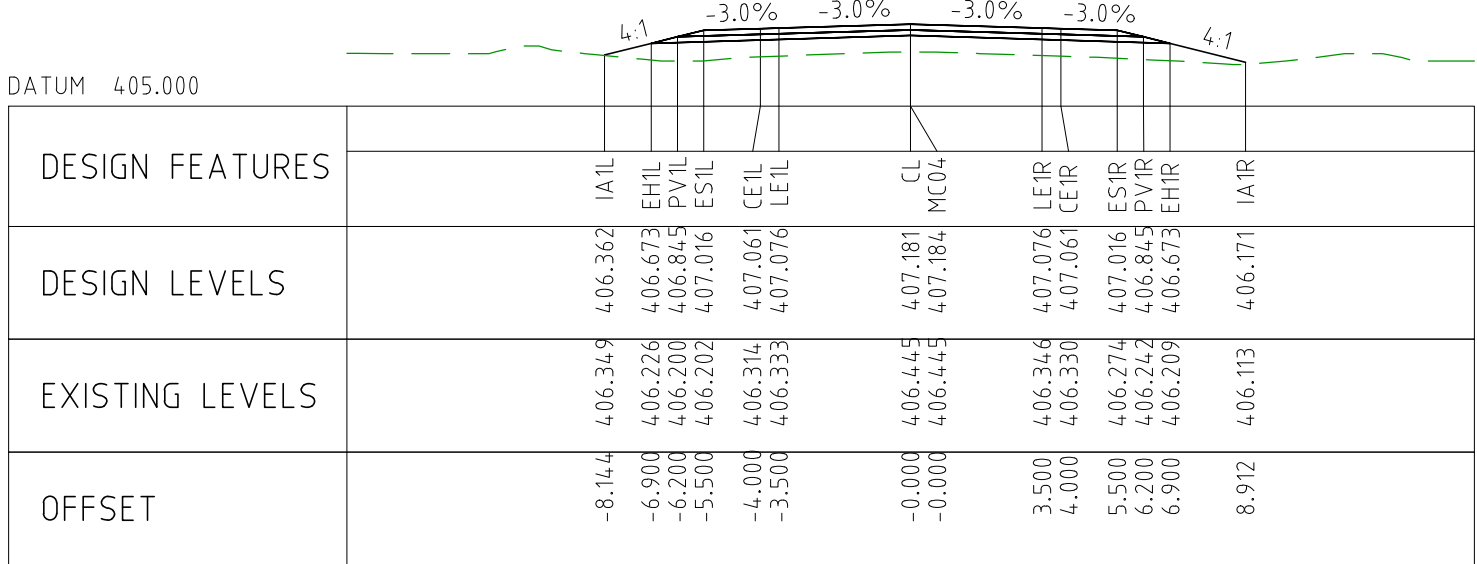
CHAINAGE 99300



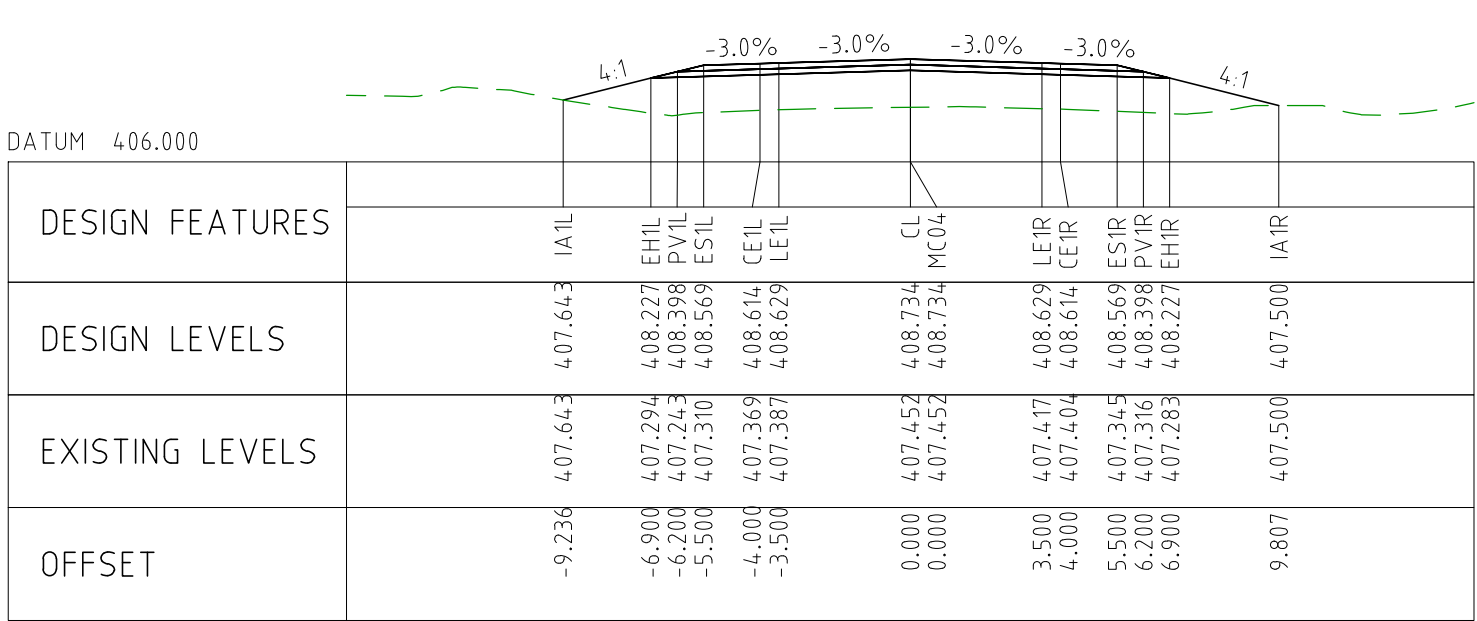
CHAINAGE 99250



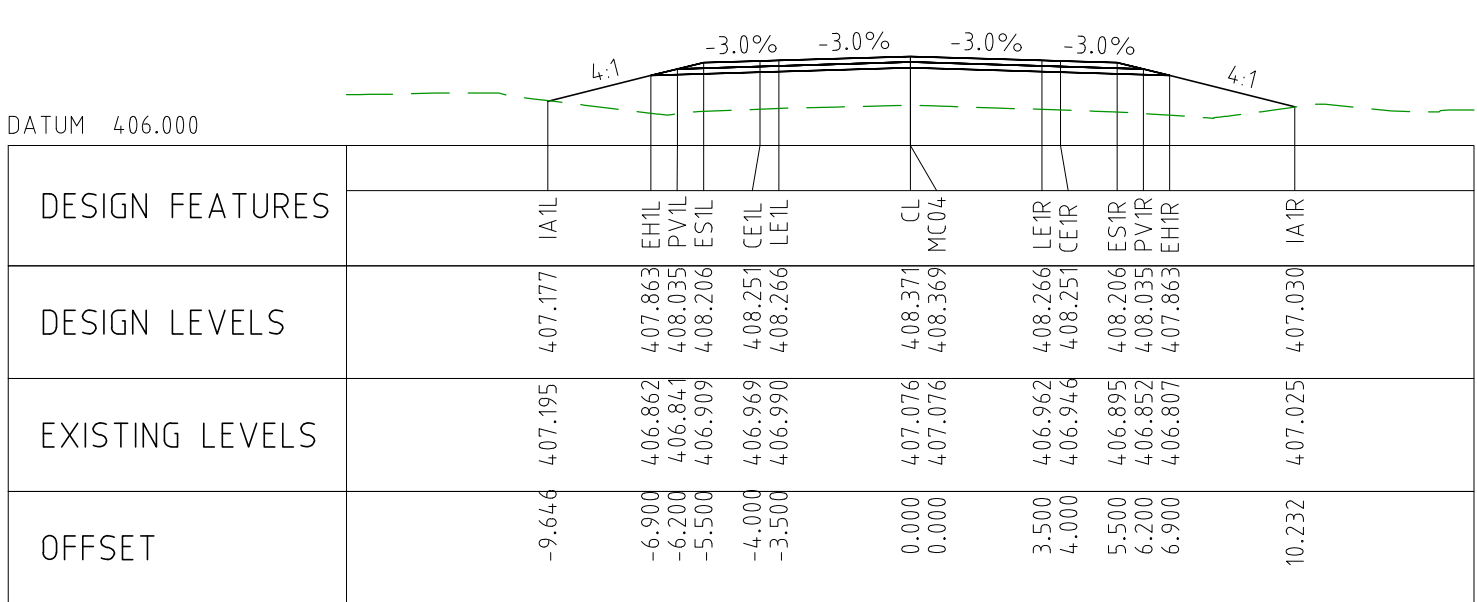
CHAINAGE 99200



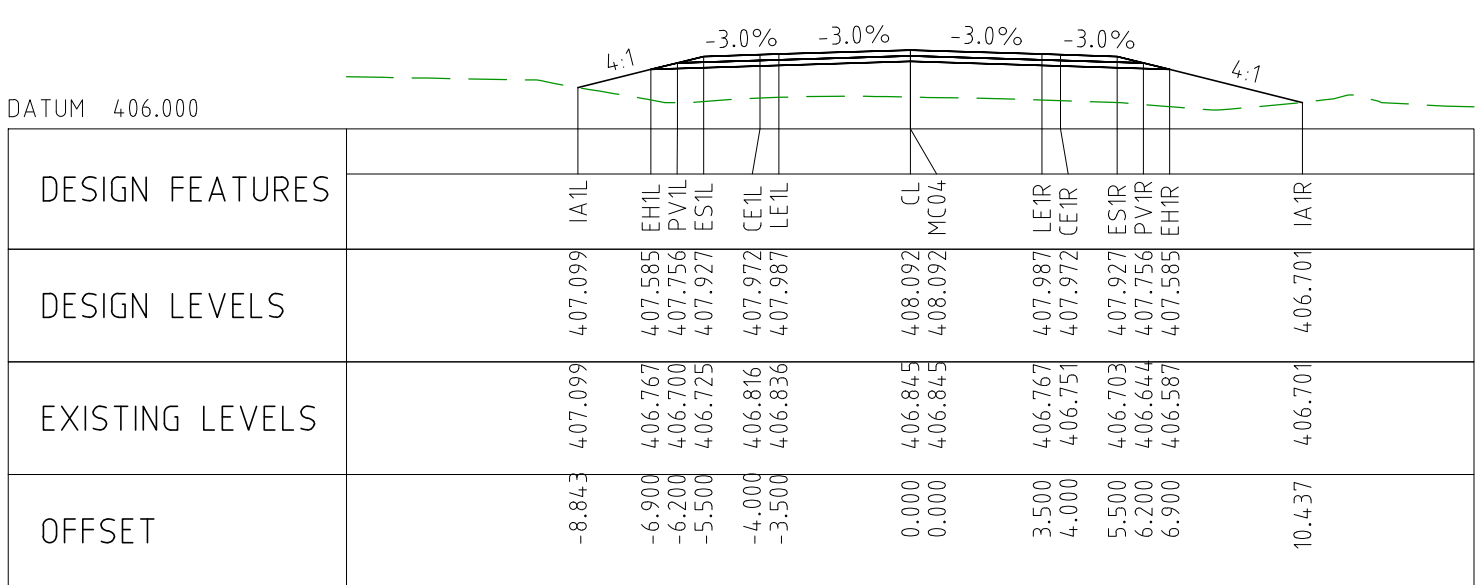
CHAINAGE 99150



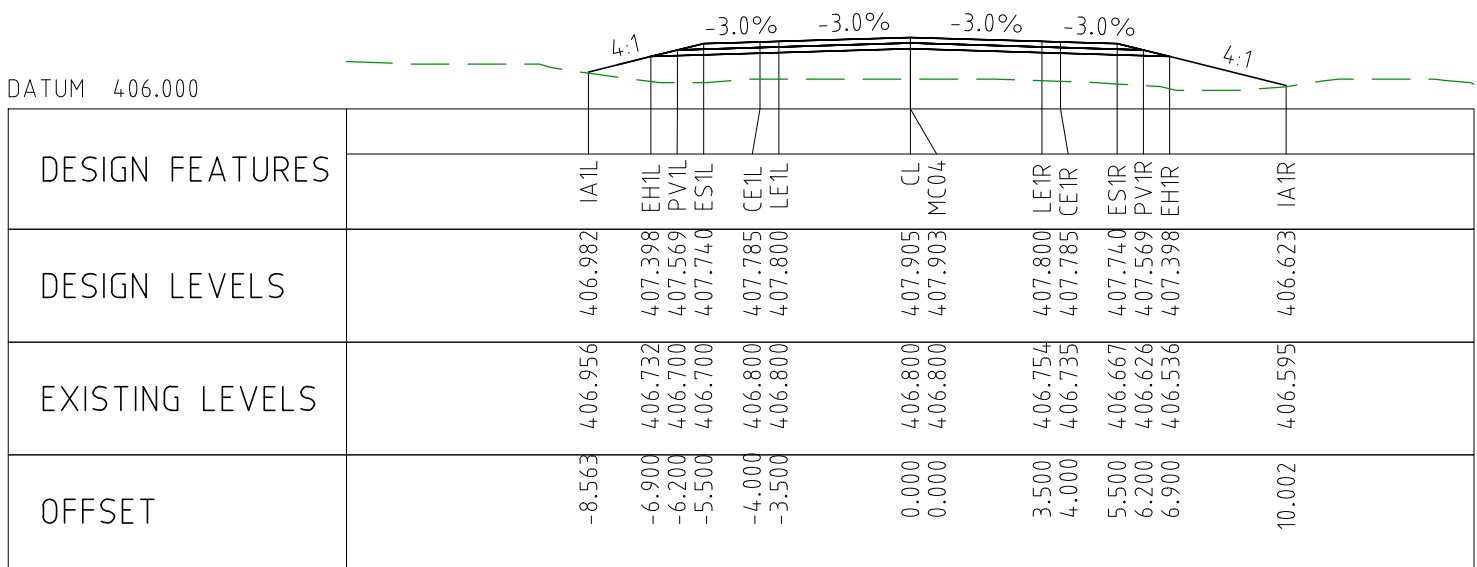
CHAINAGE 99600



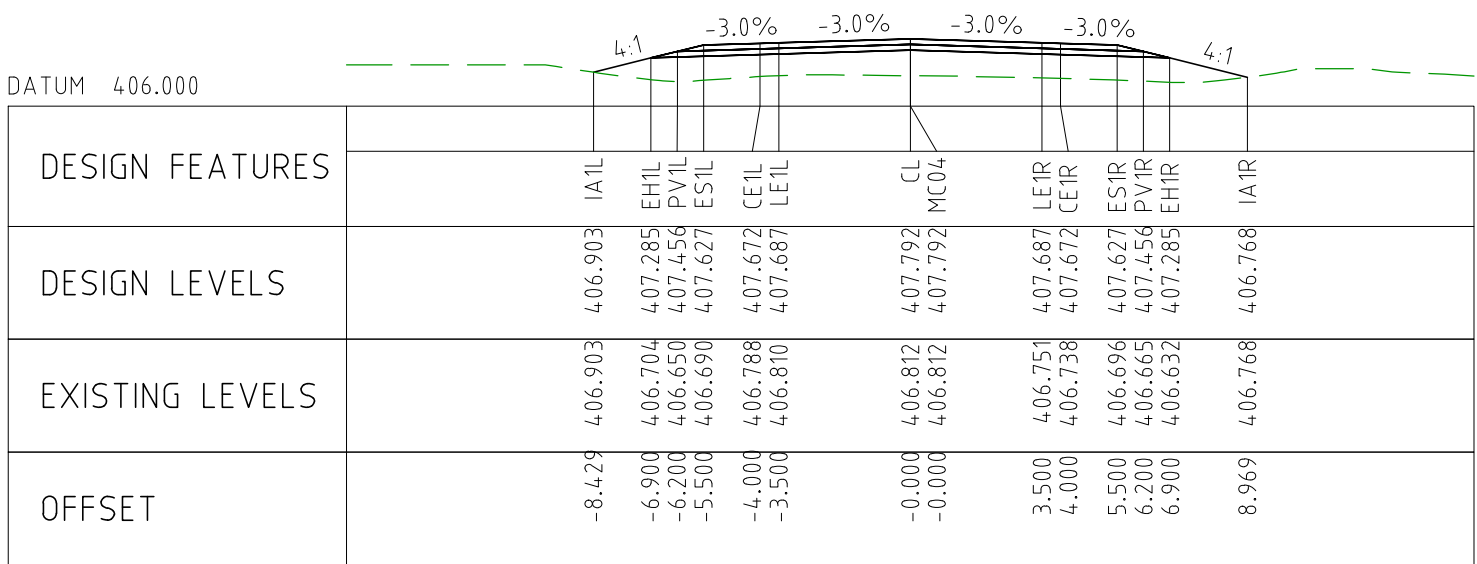
CHAINAGE 99550



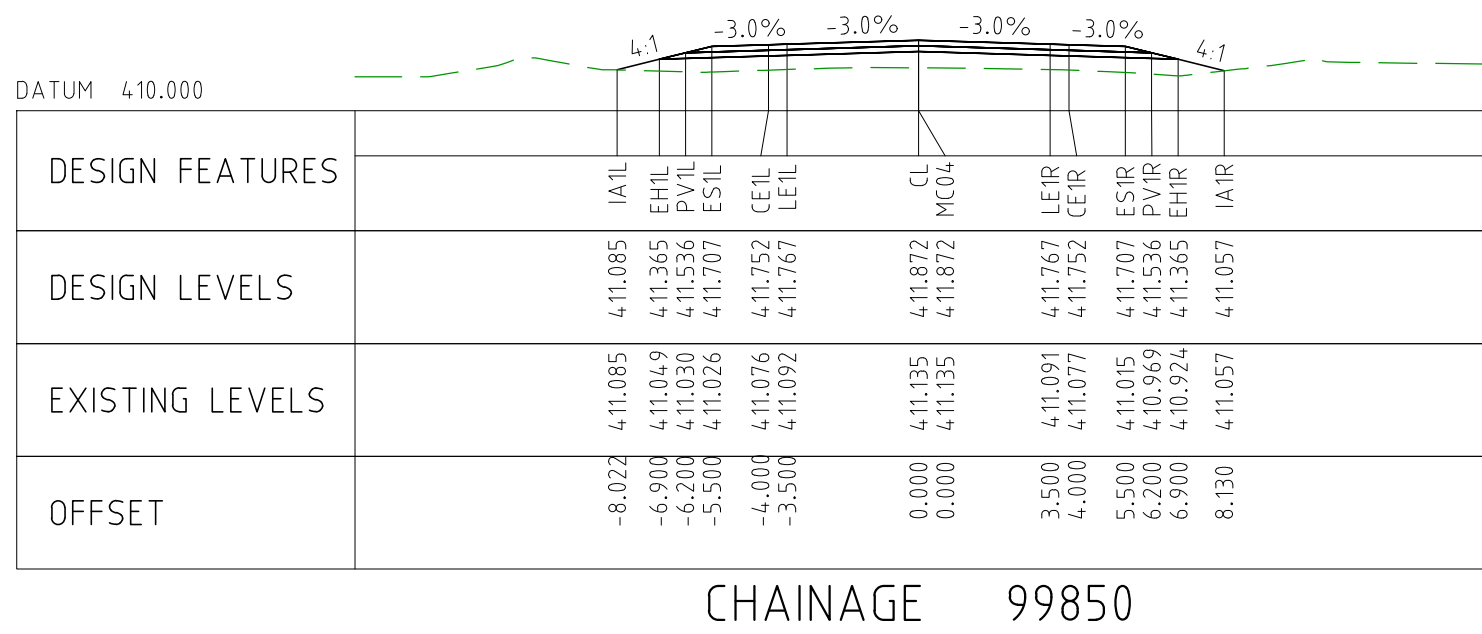
CHAINAGE 99500



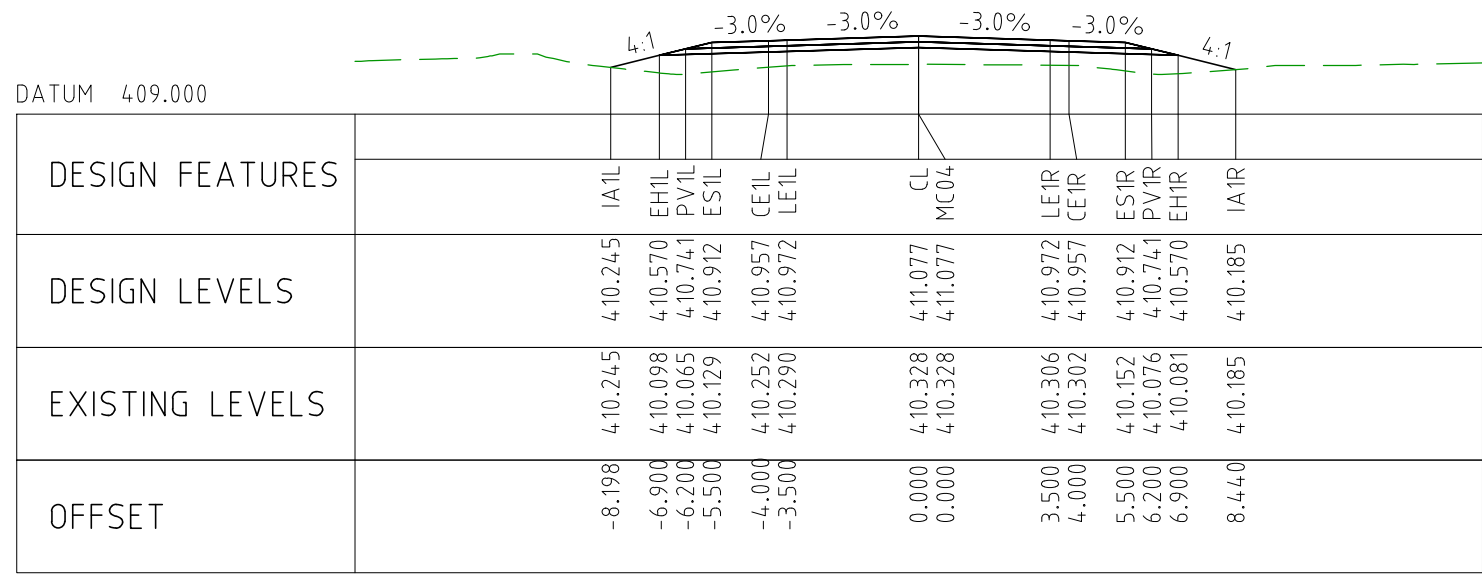
CHAINAGE 99450



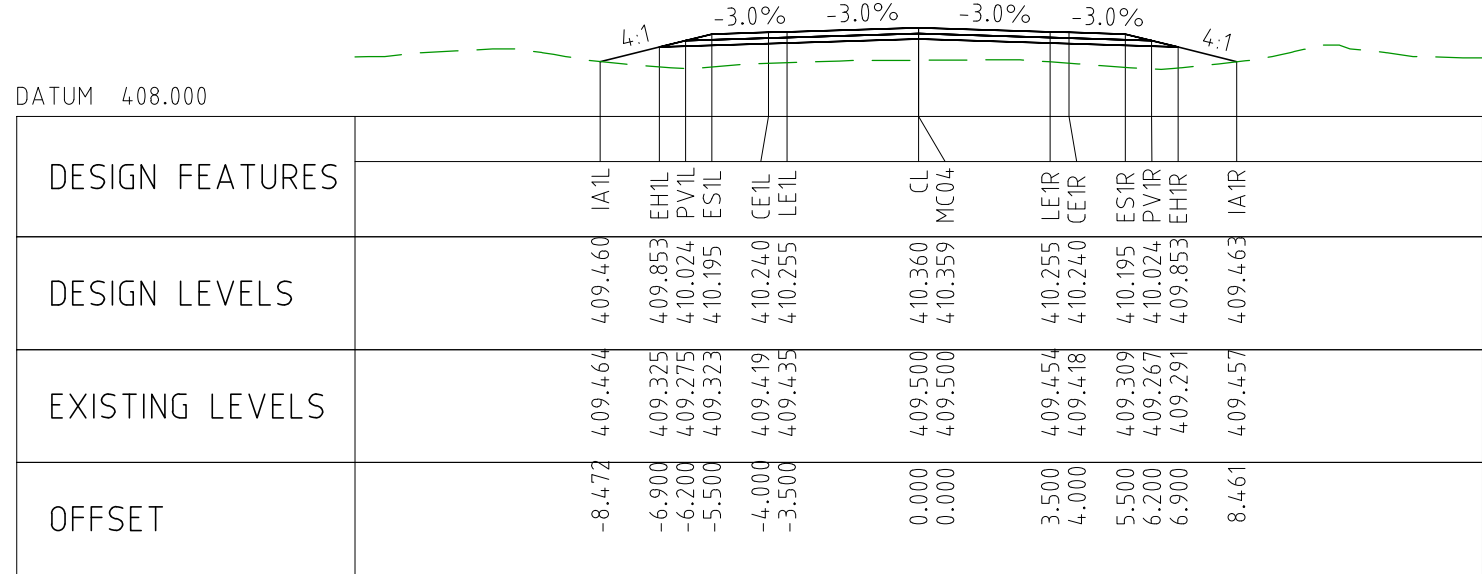
CHAINAGE 99400



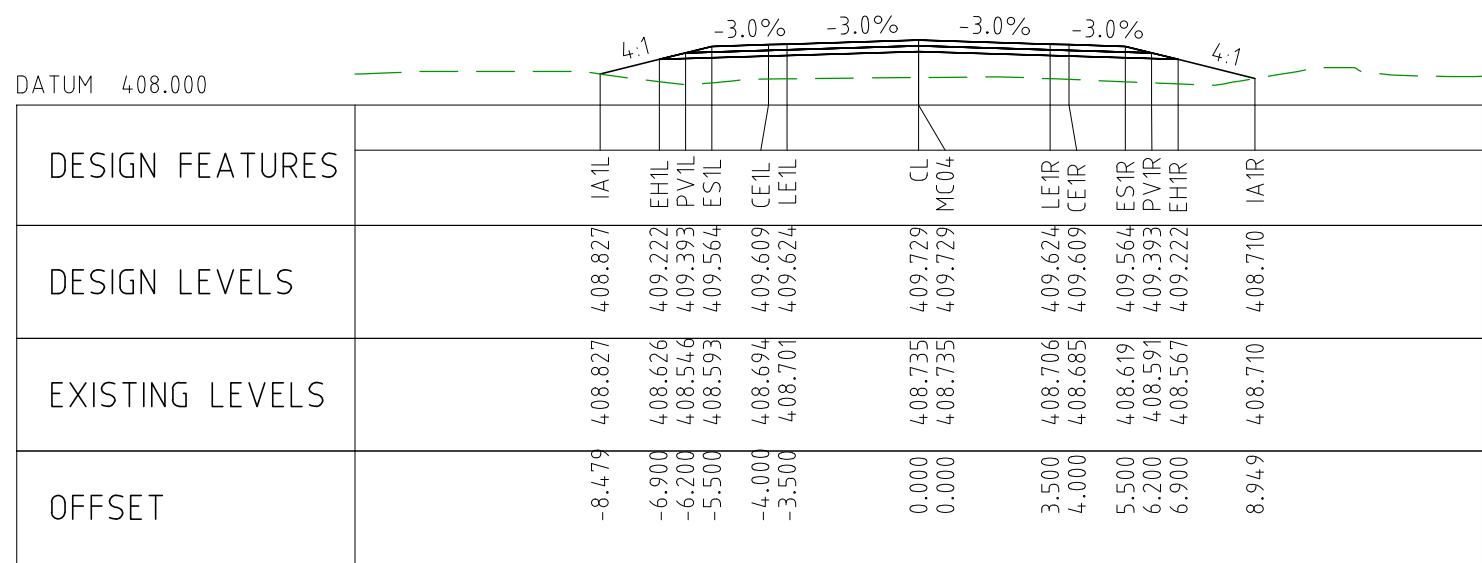
CHAINAGE 99850



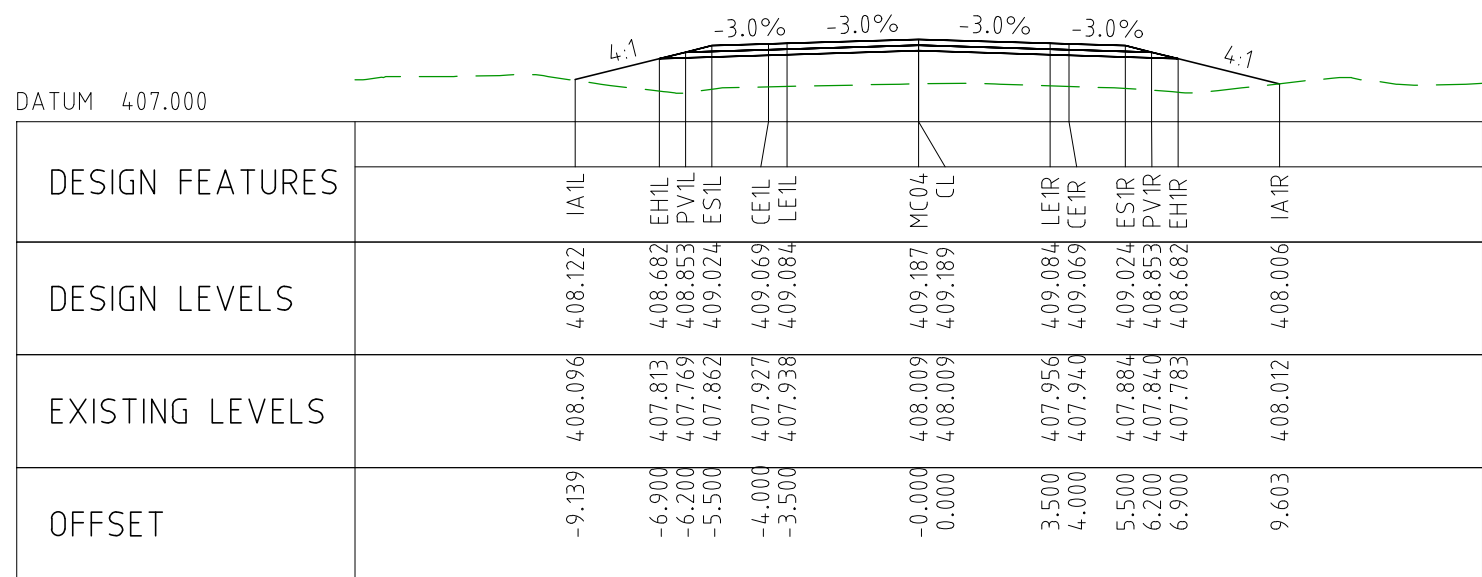
CHAINAGE 99800



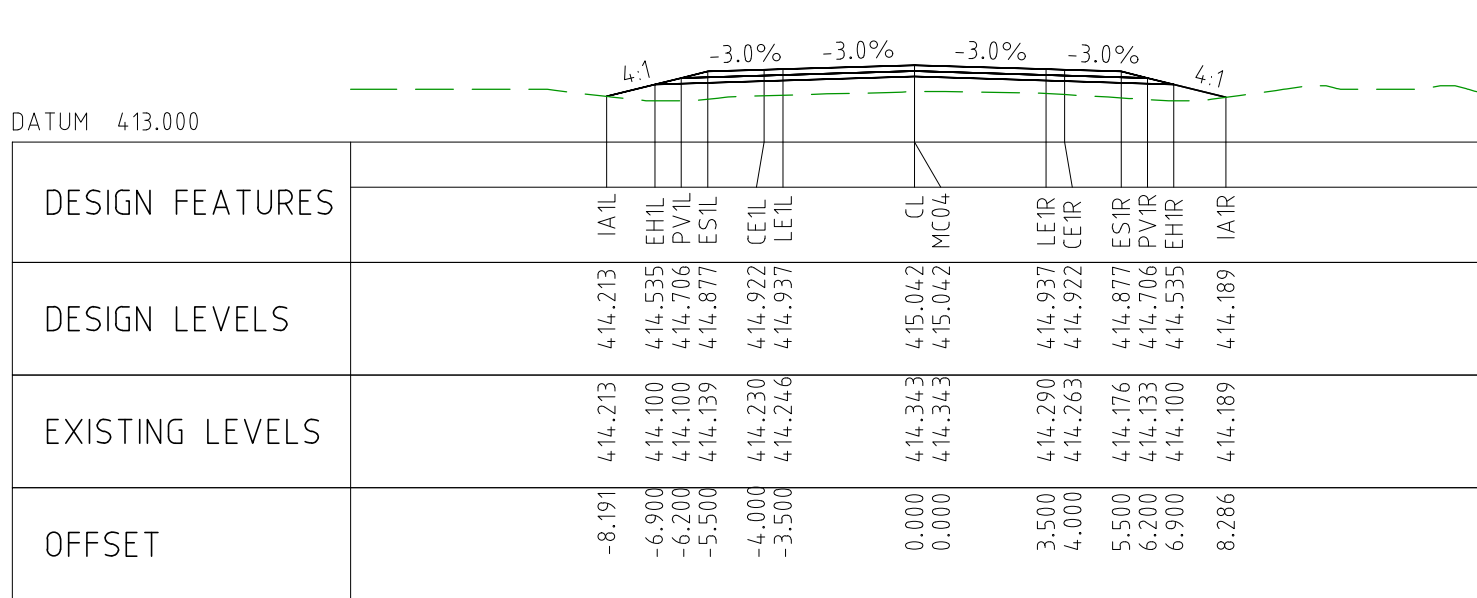
CHAINAGE 99750



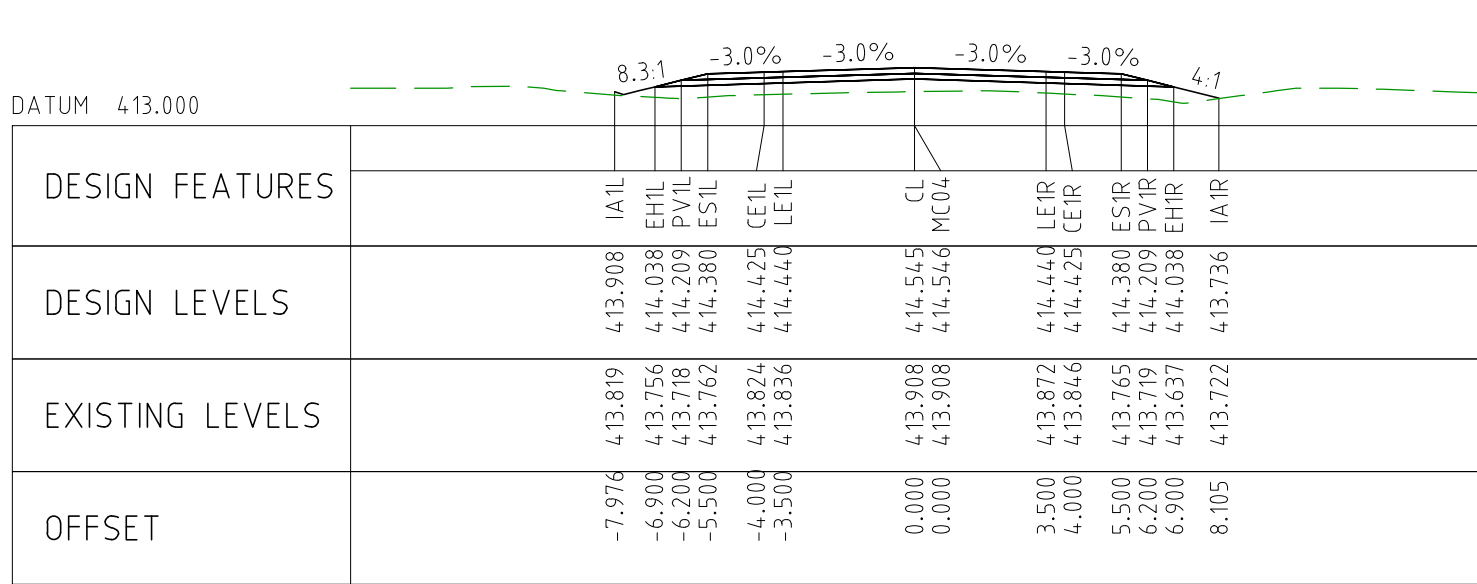
CHAINAGE 99700



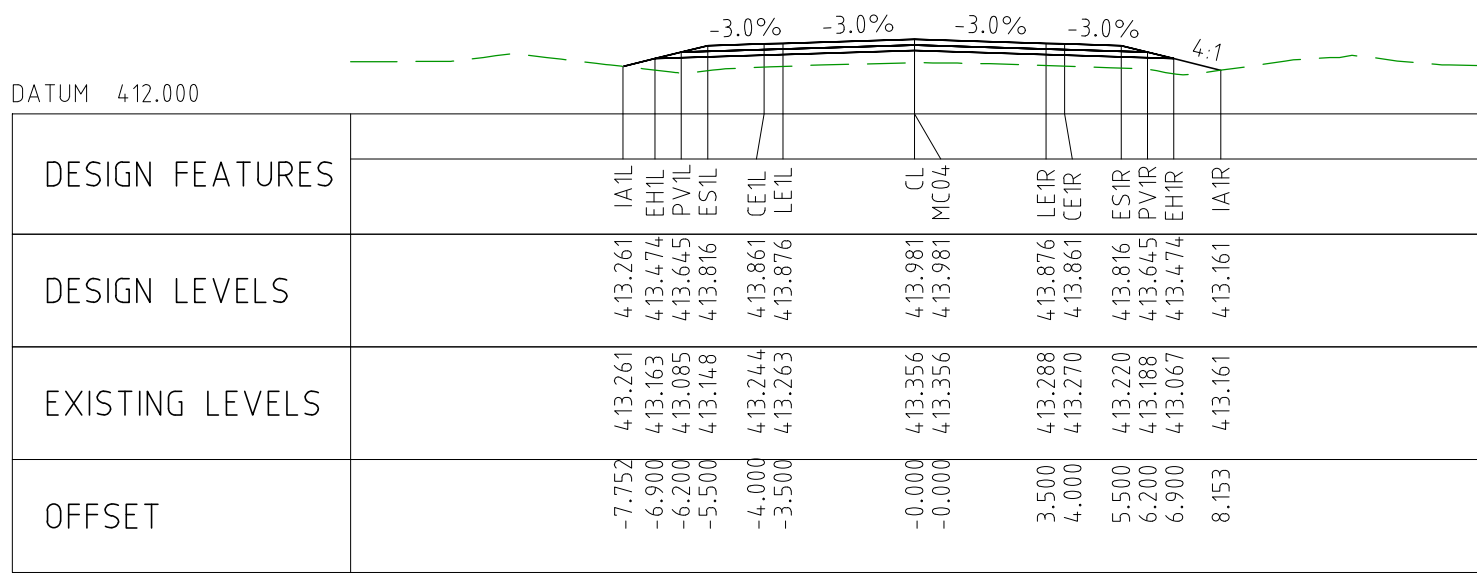
CHAINAGE 99650



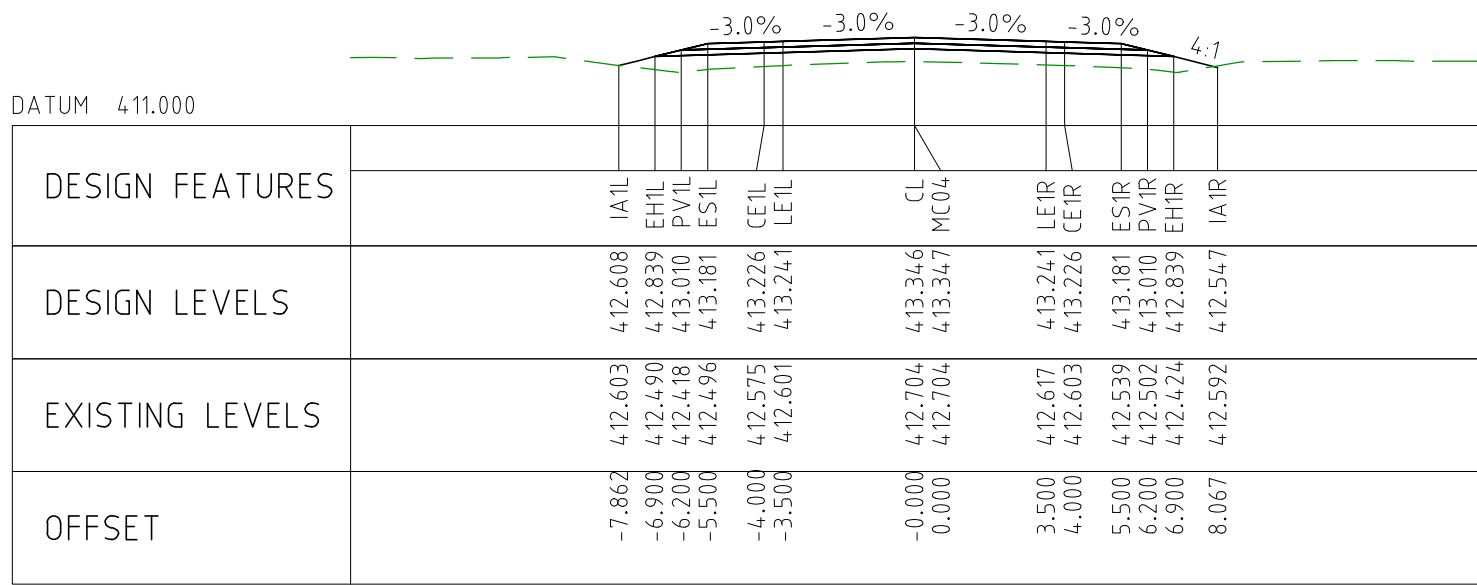
CHAINAGE 100100



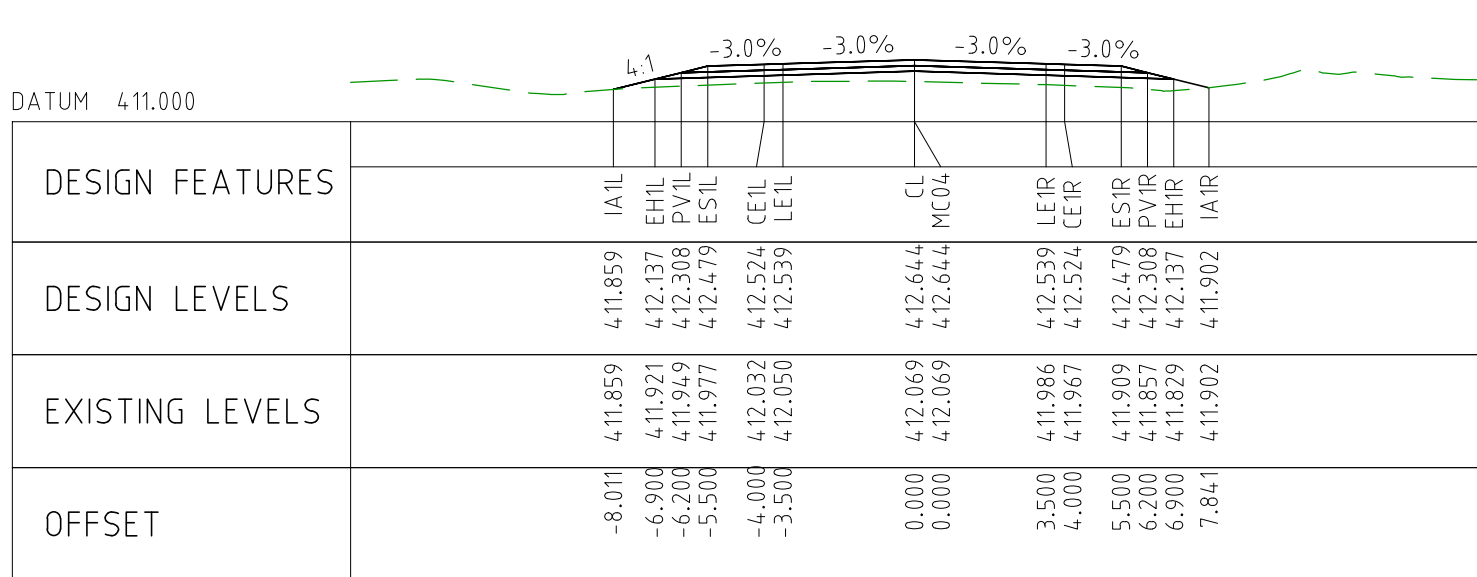
CHAINAGE 100050



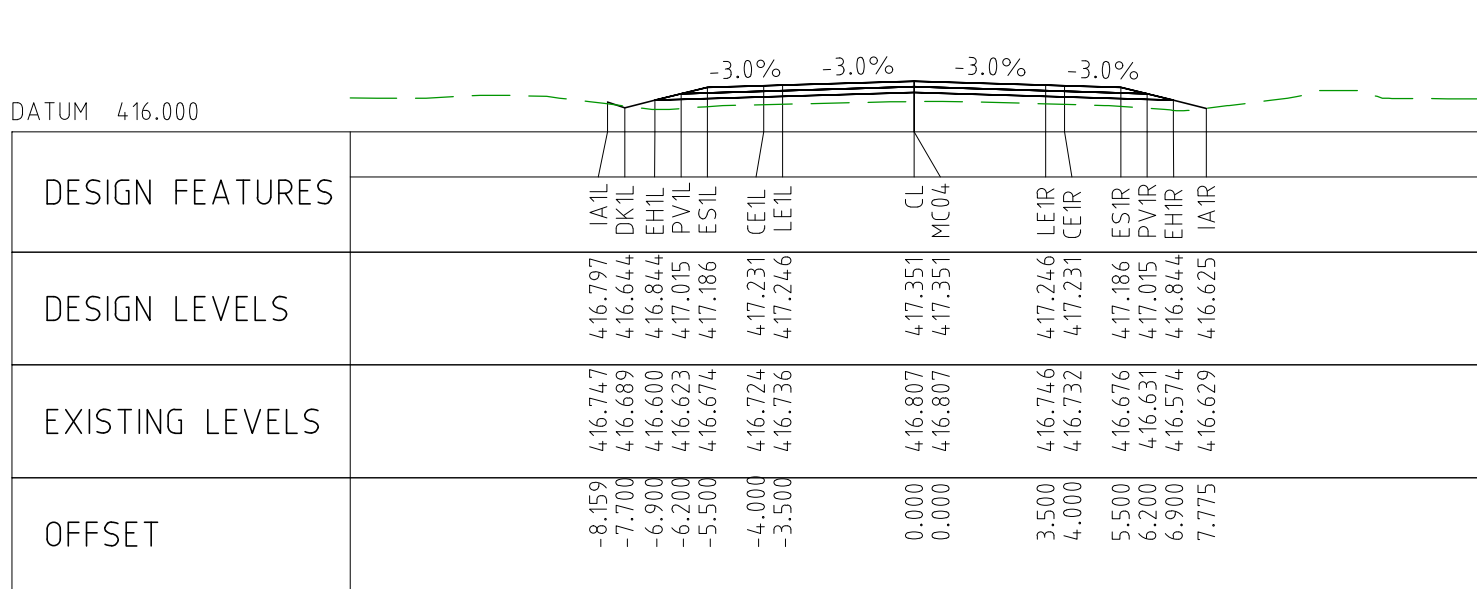
CHAINAGE 100000



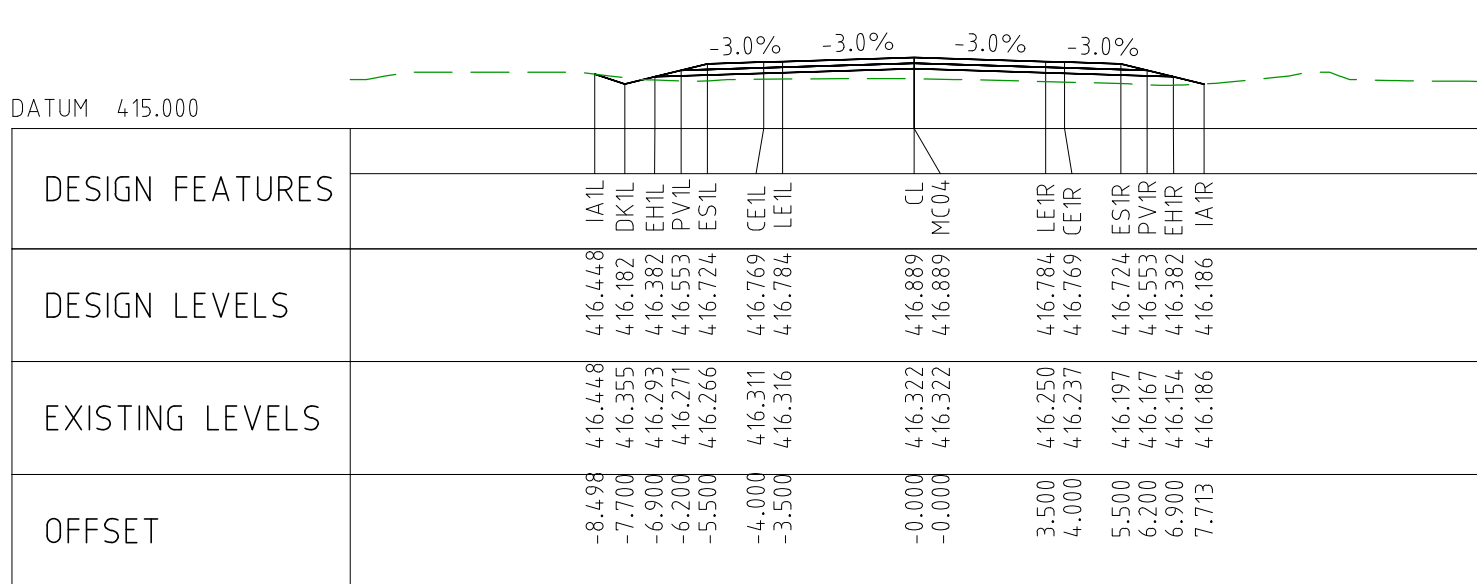
CHAINAGE 99950



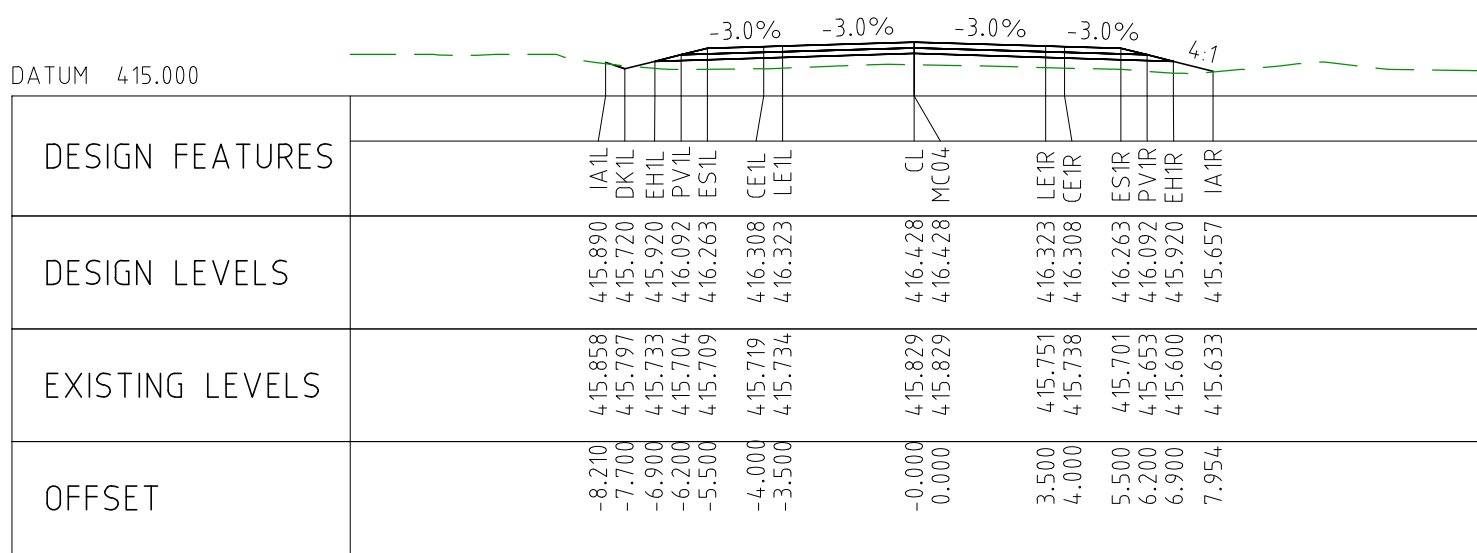
CHAINAGE 99900



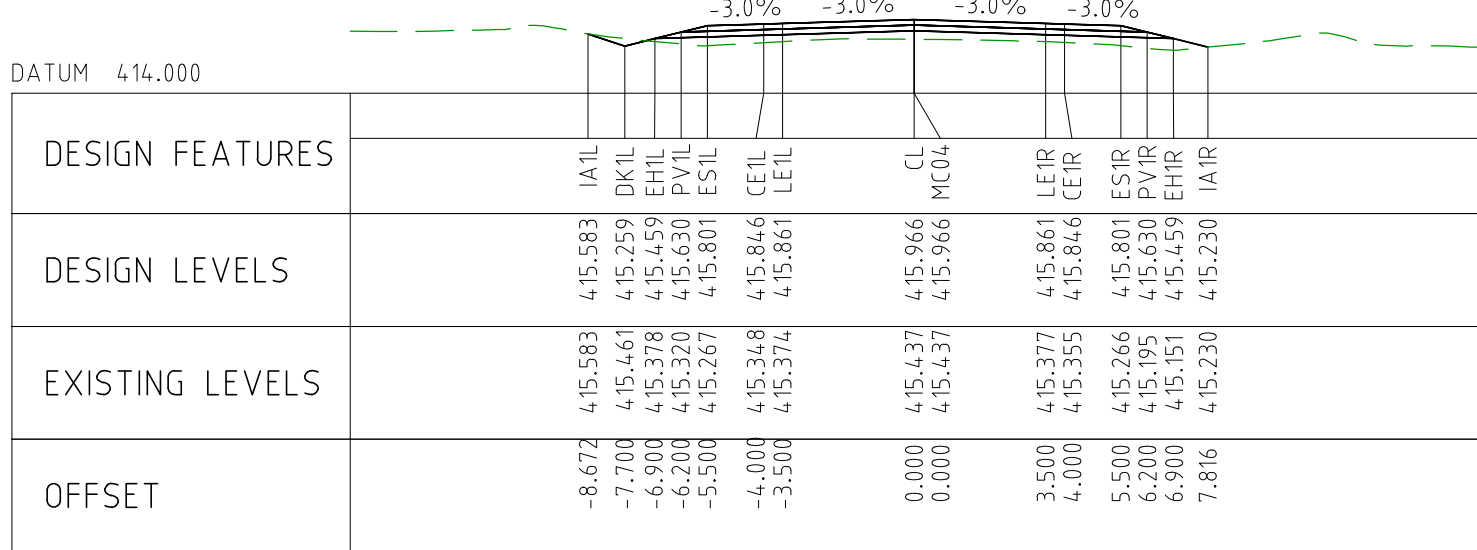
CHAINAGE 100350



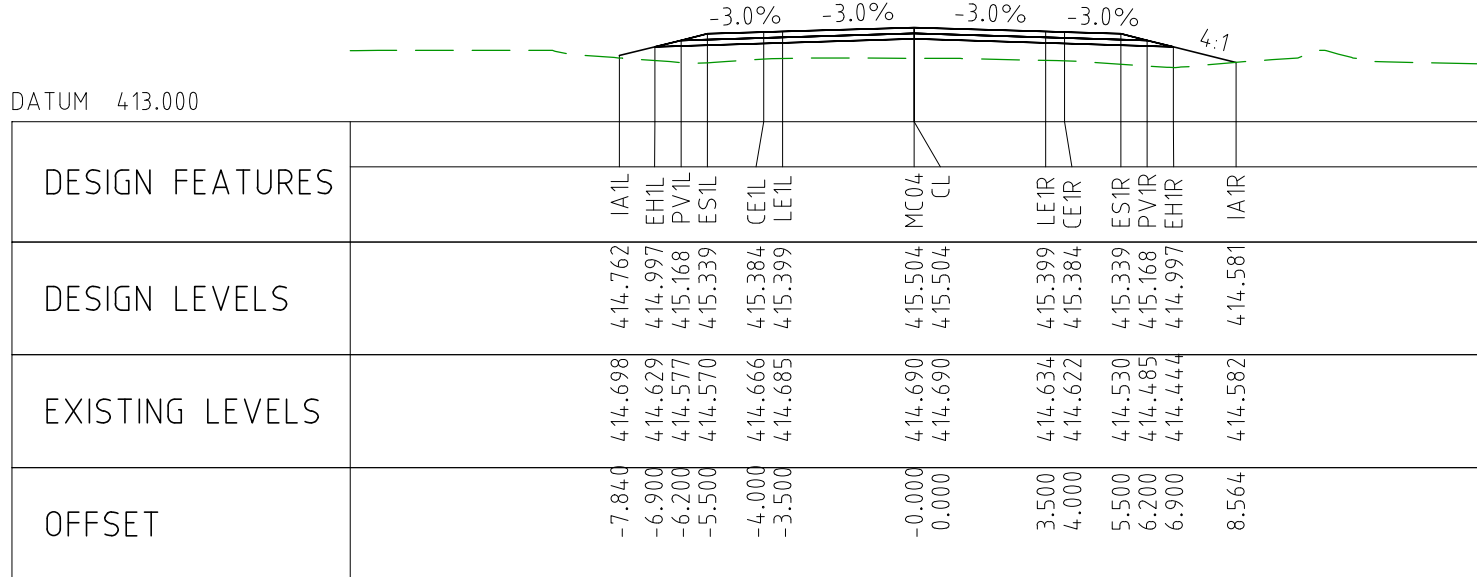
CHAINAGE 100300



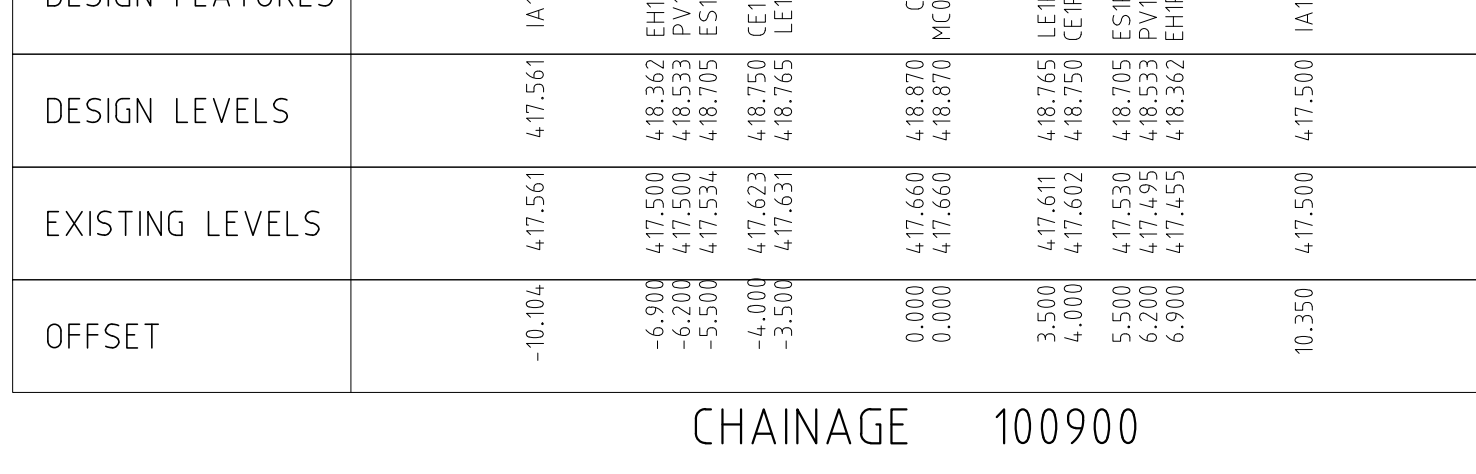
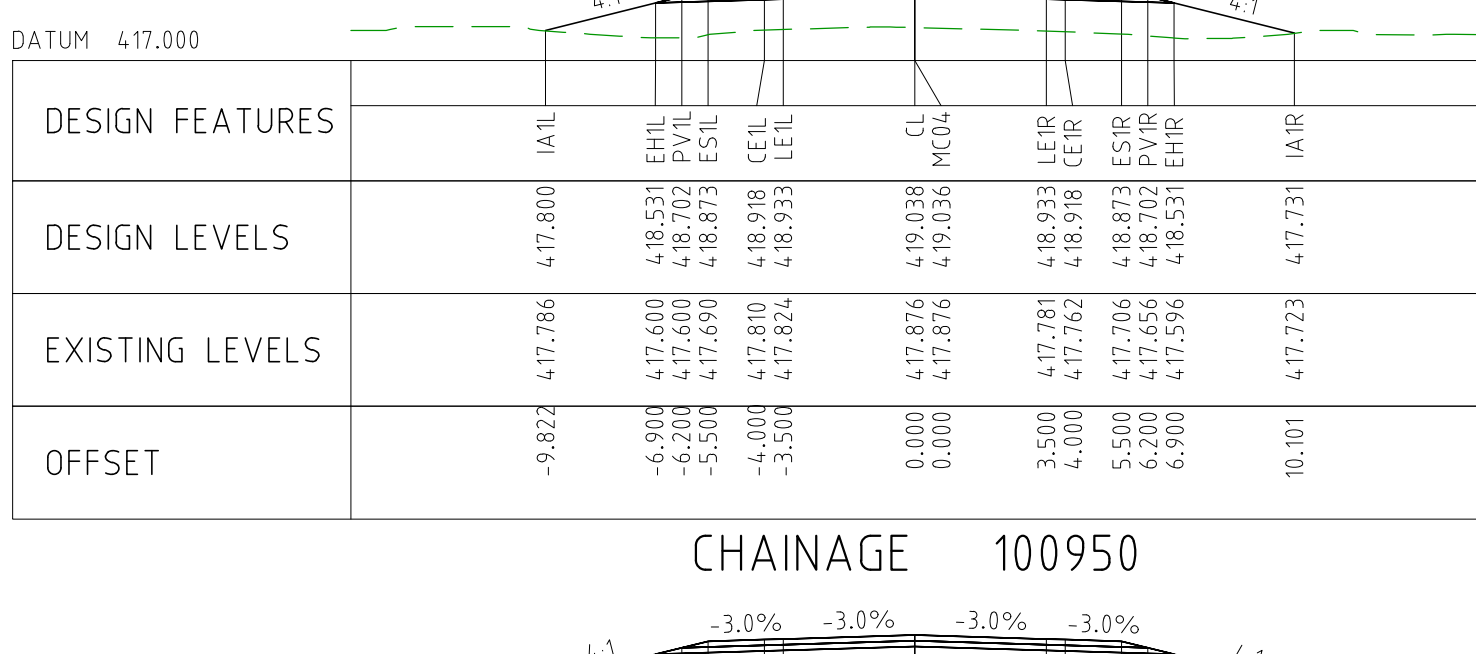
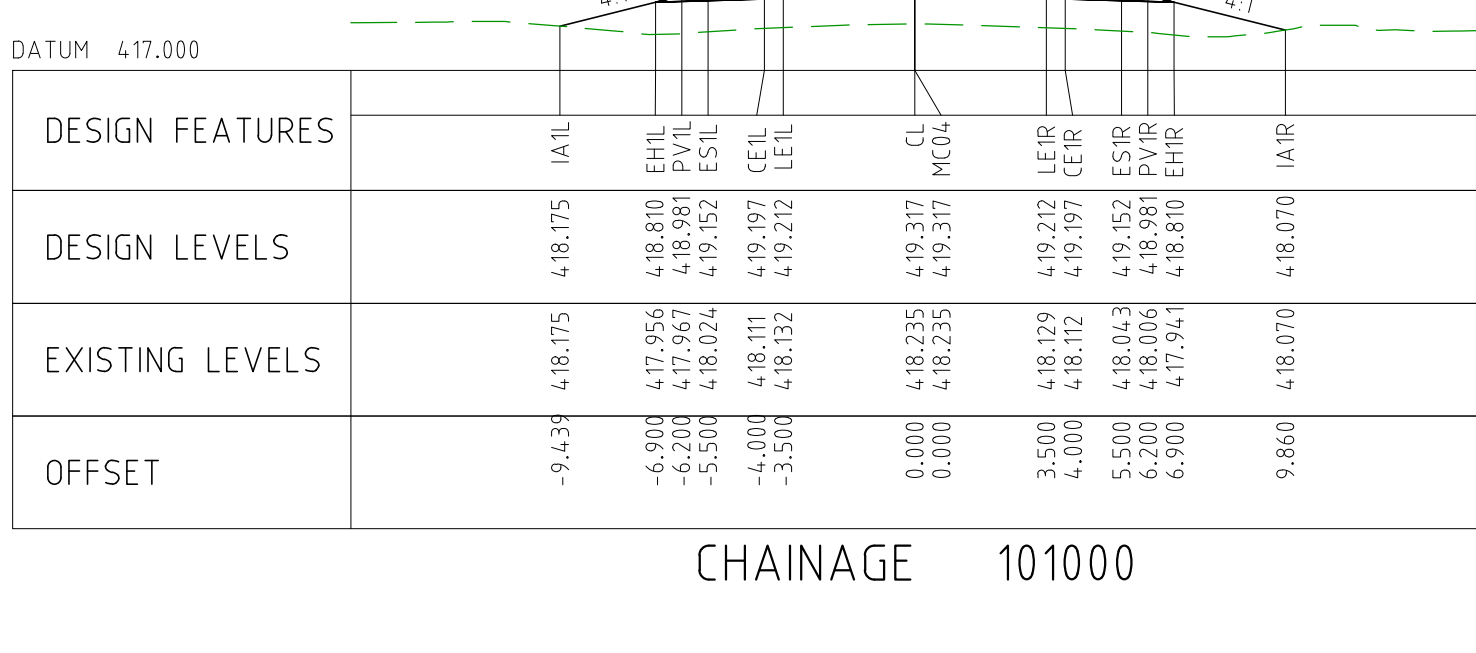
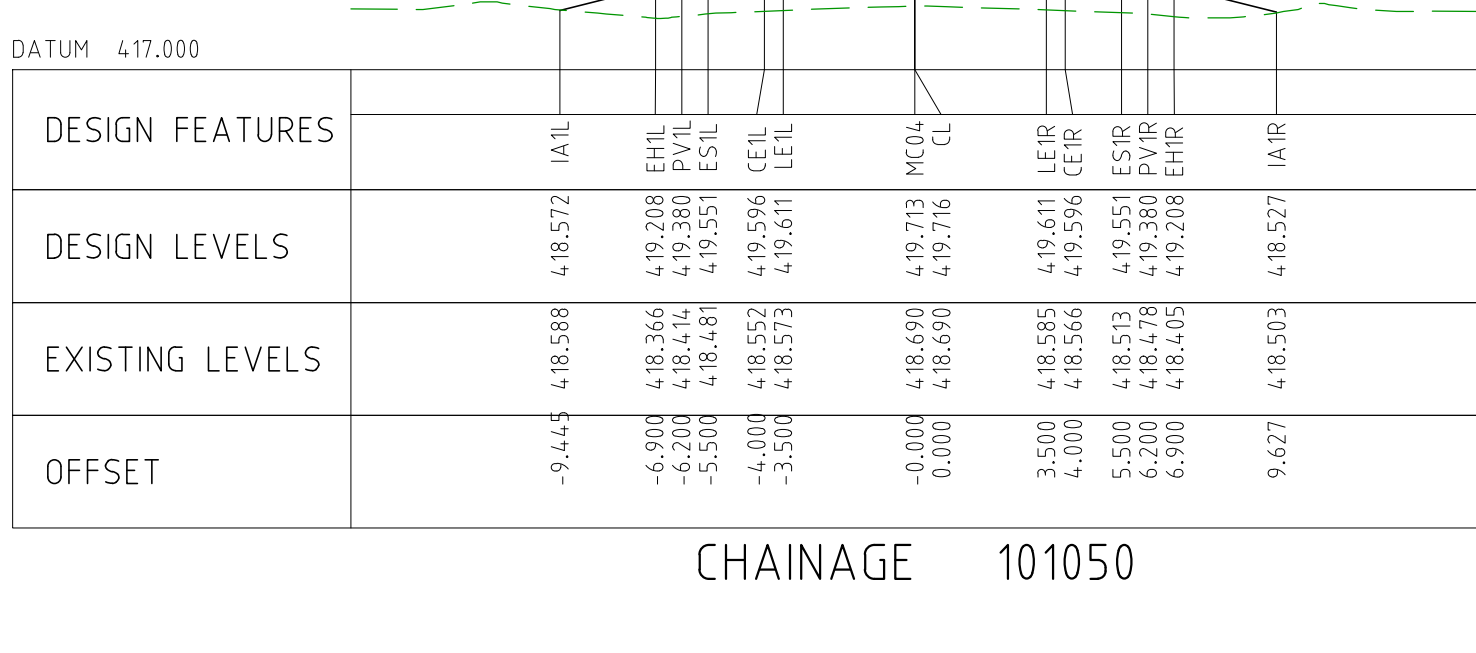
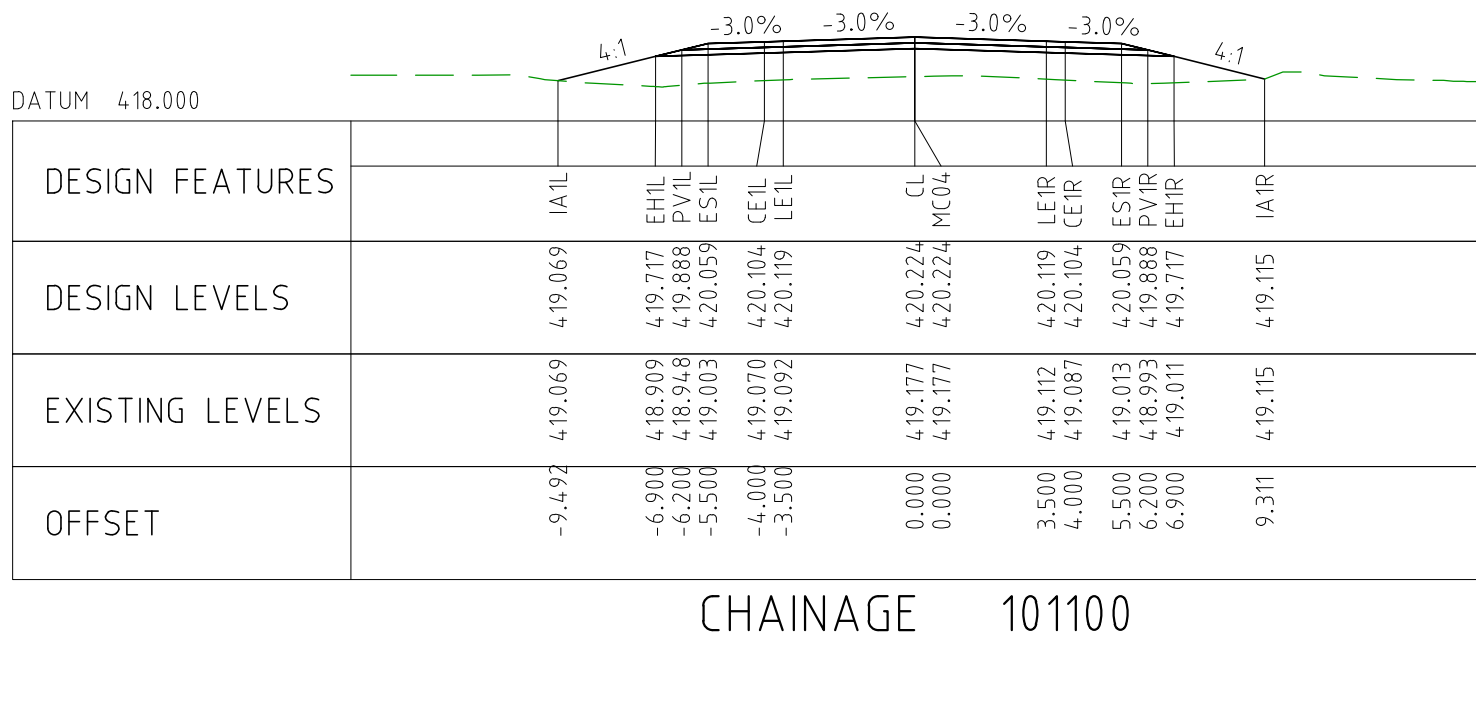
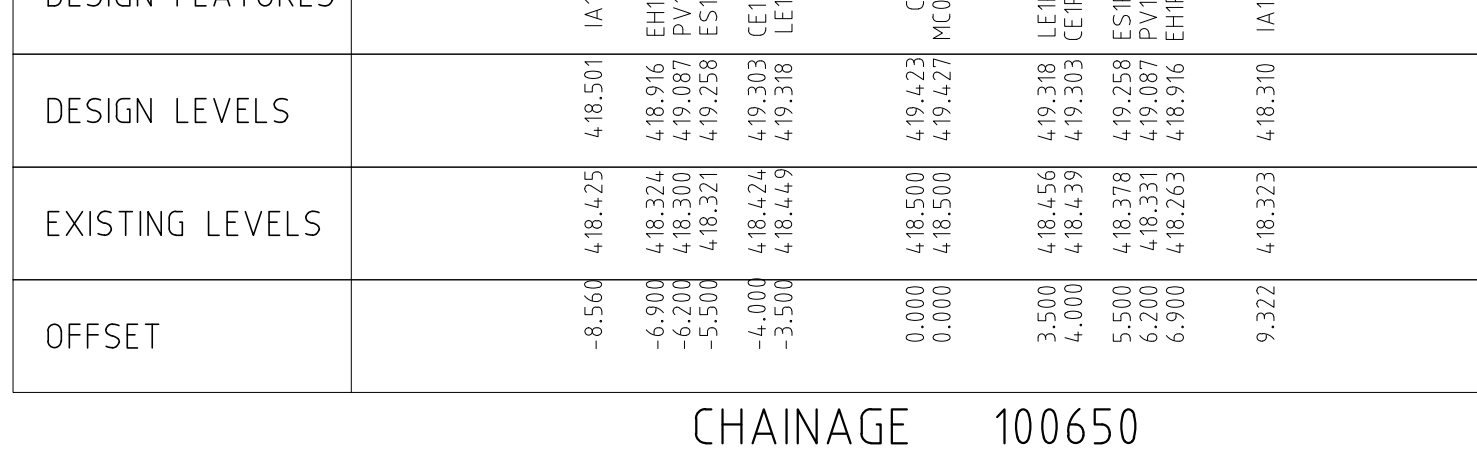
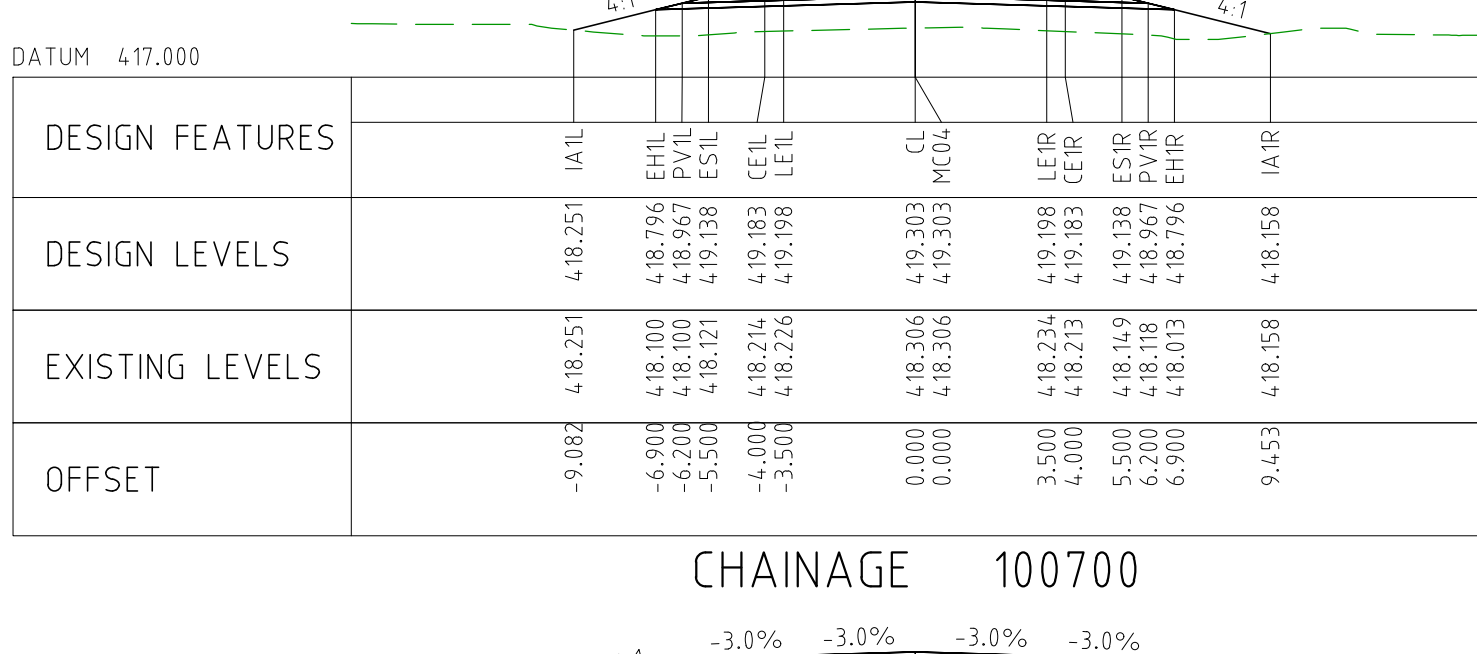
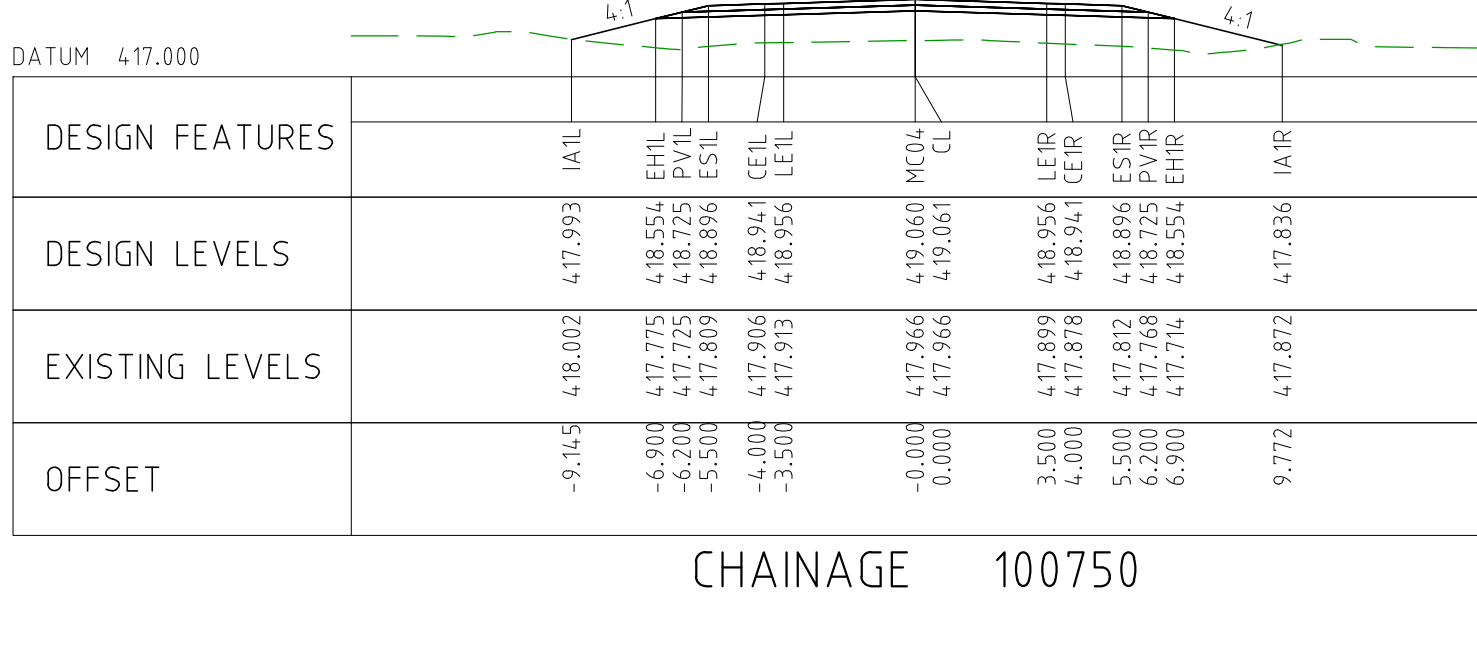
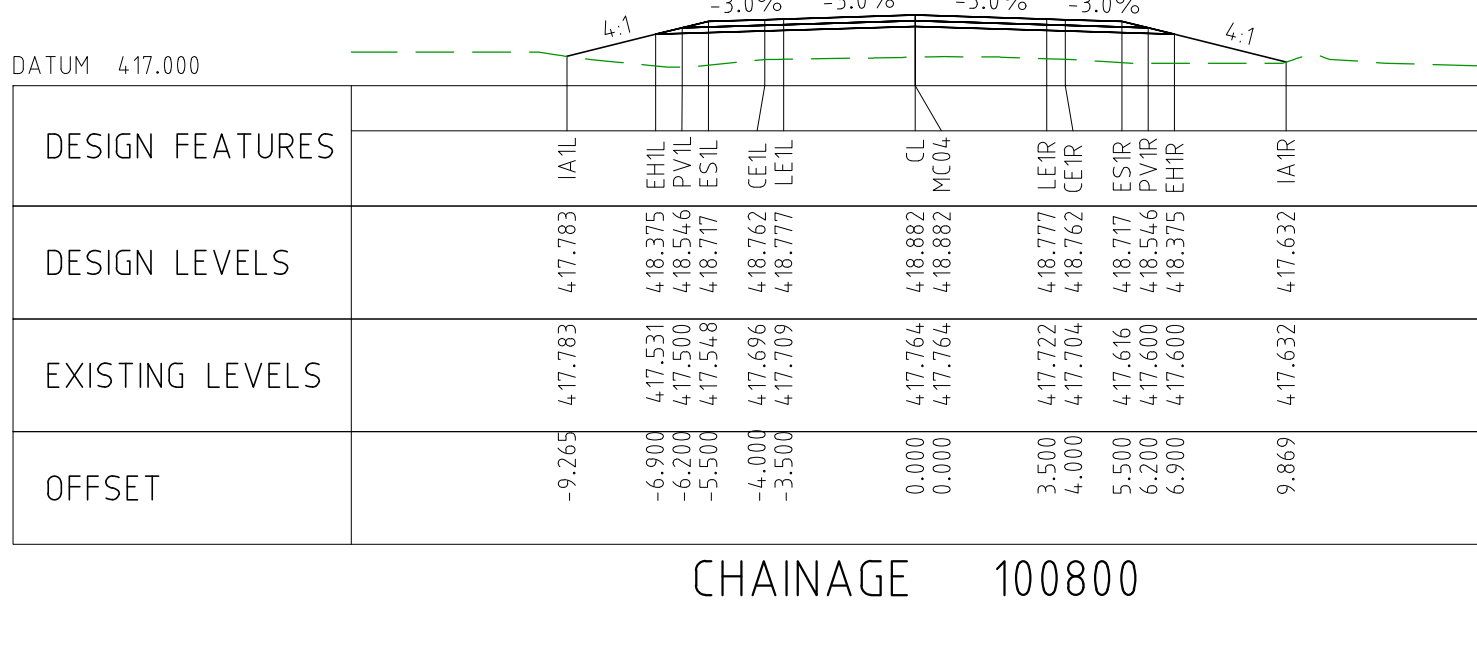
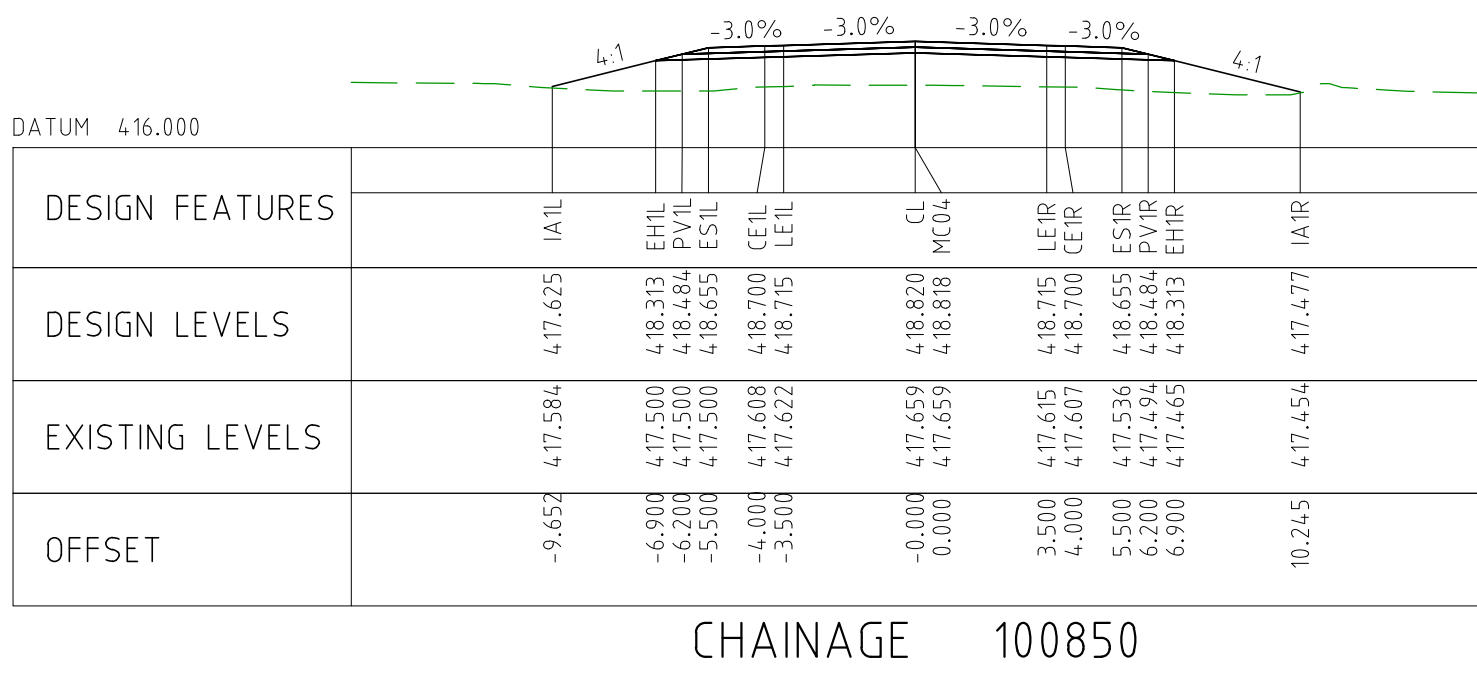
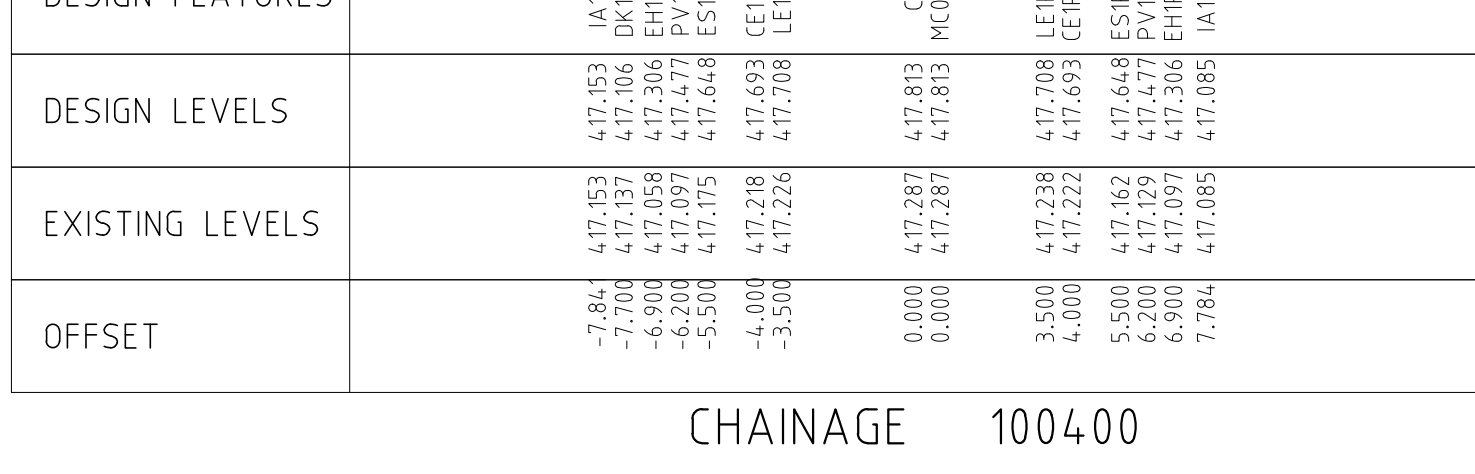
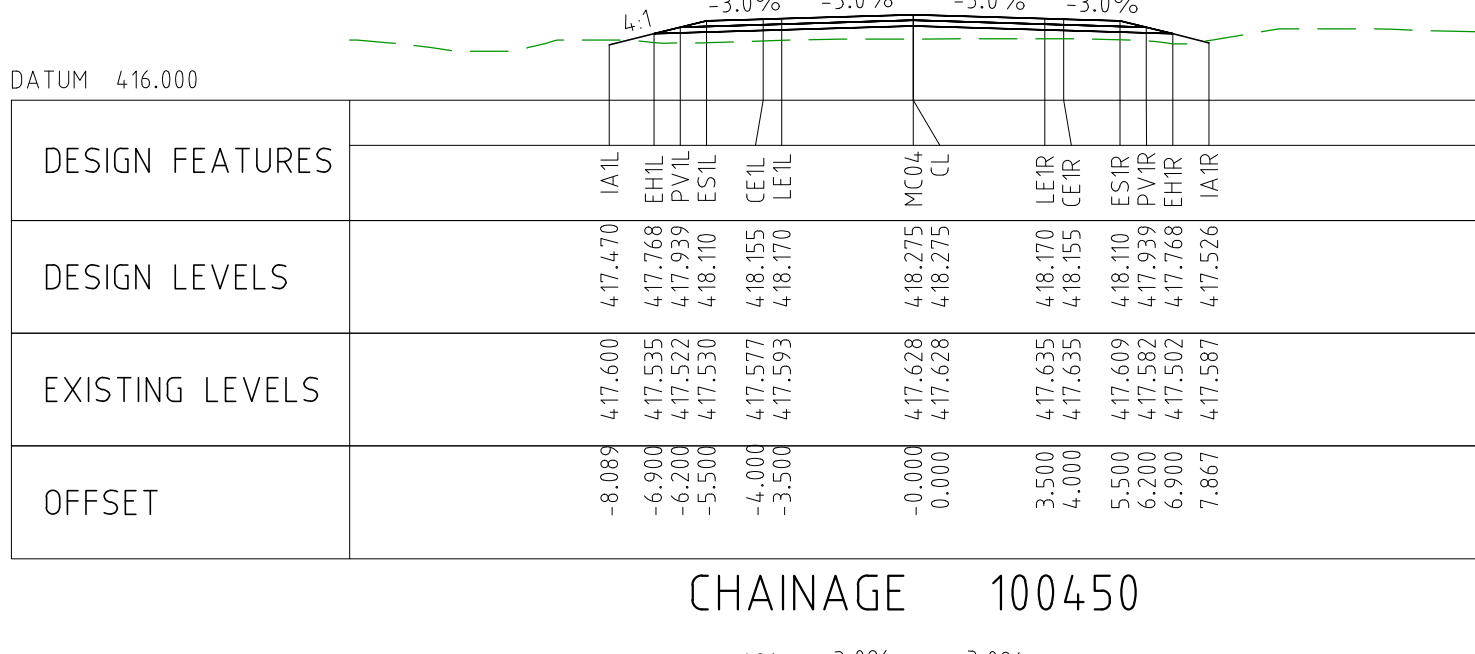
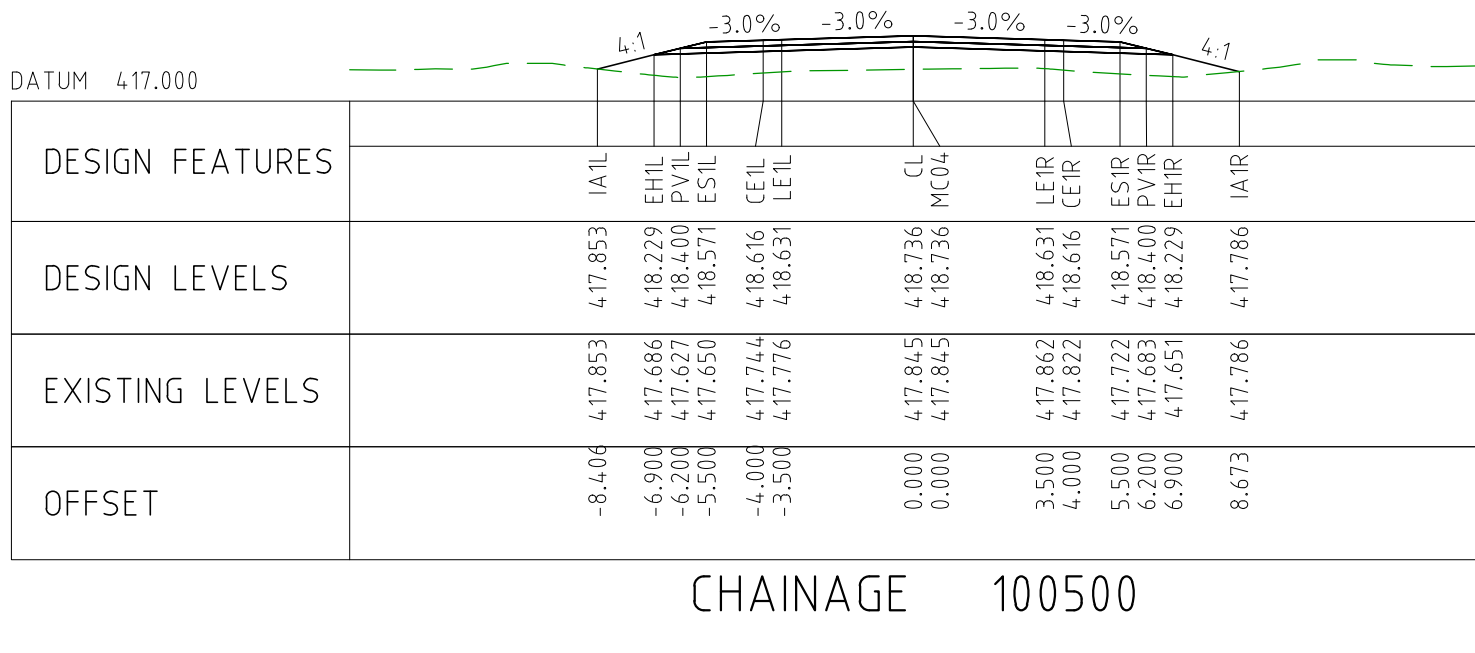
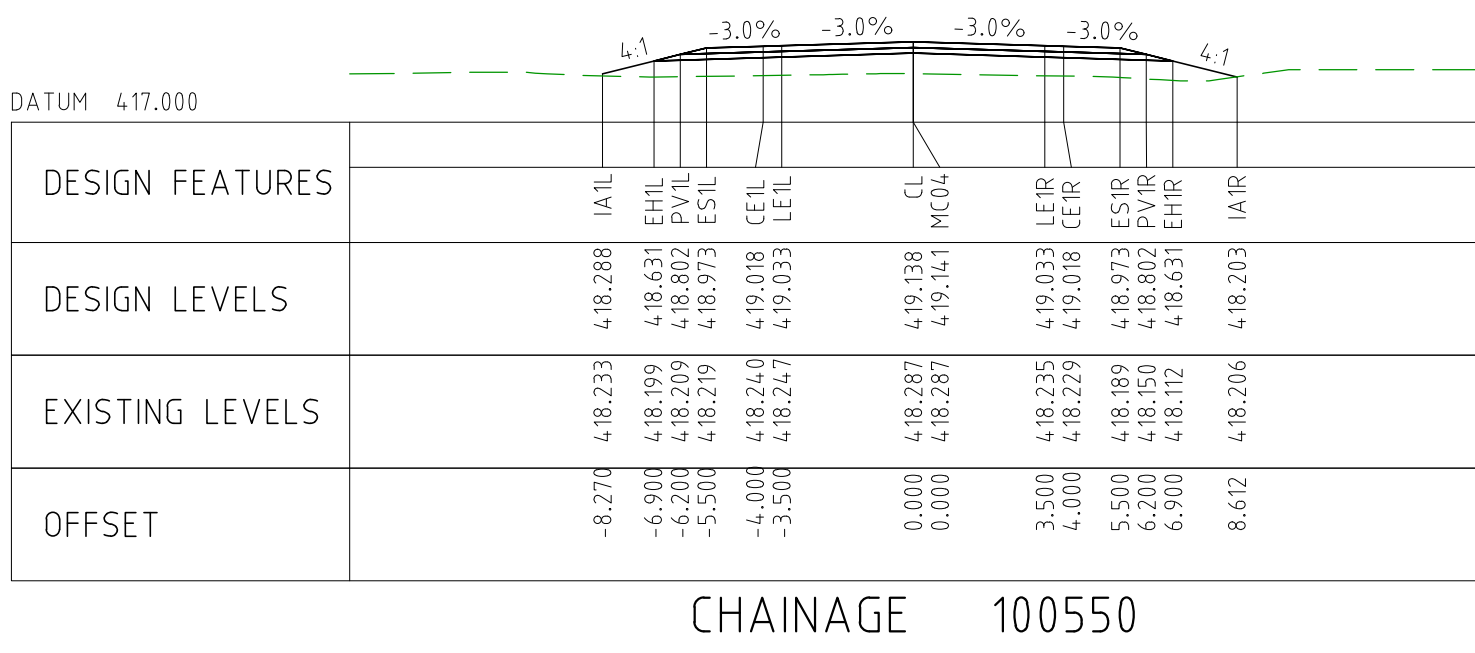
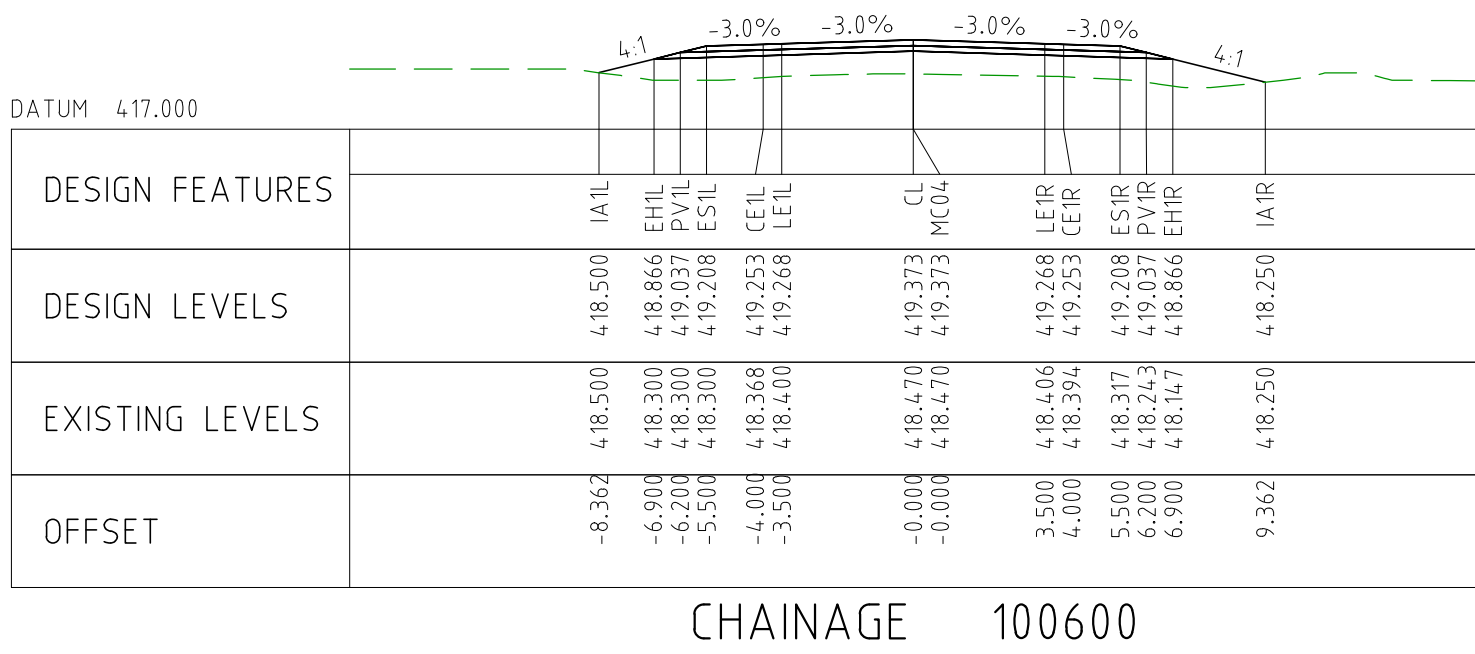
CHAINAGE 100250

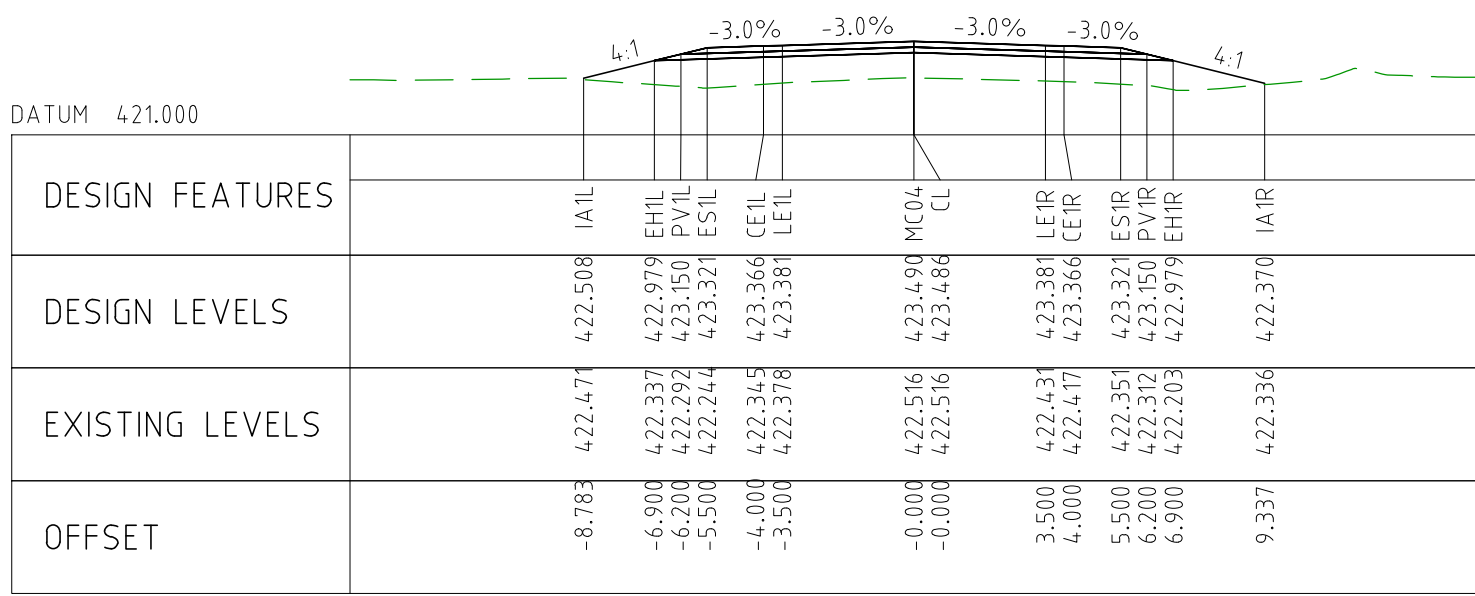


CHAINAGE 100200

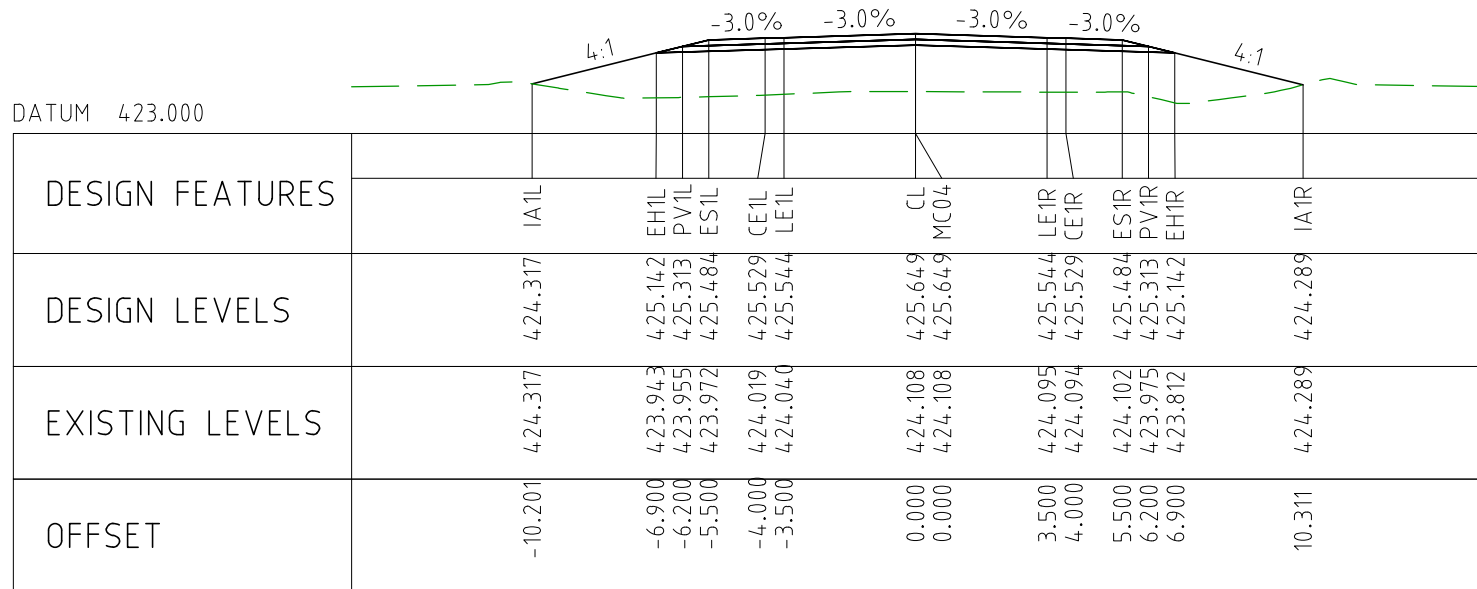


CHAINAGE 100150

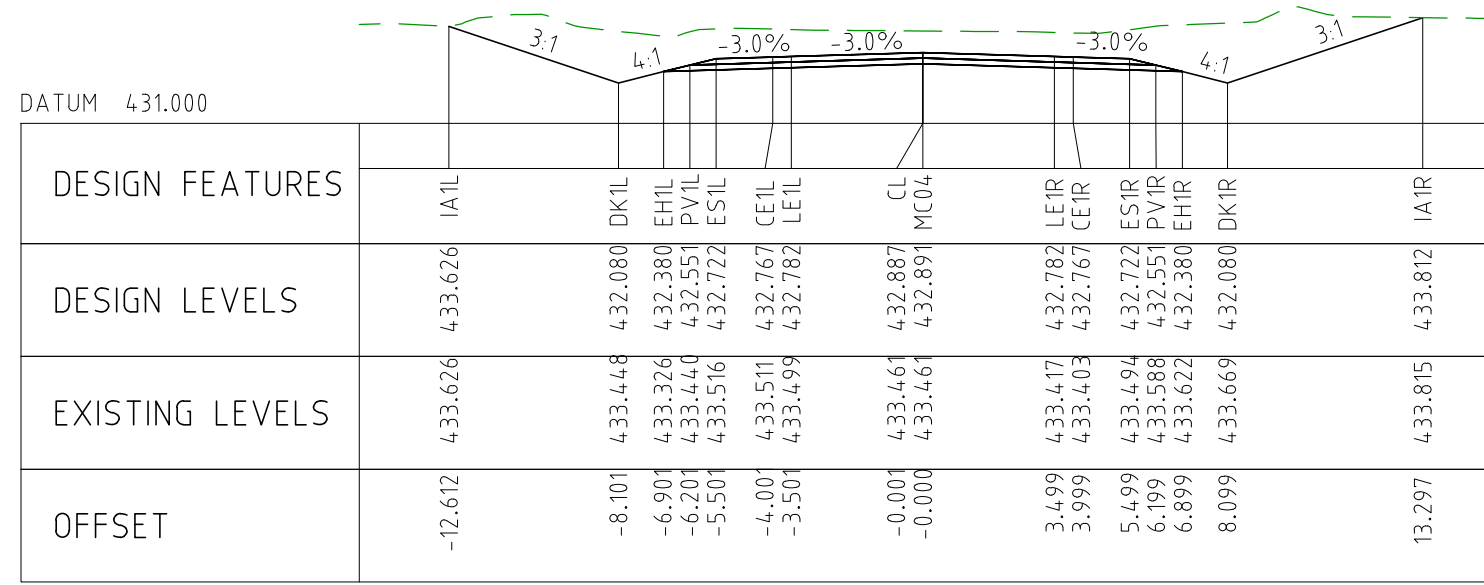




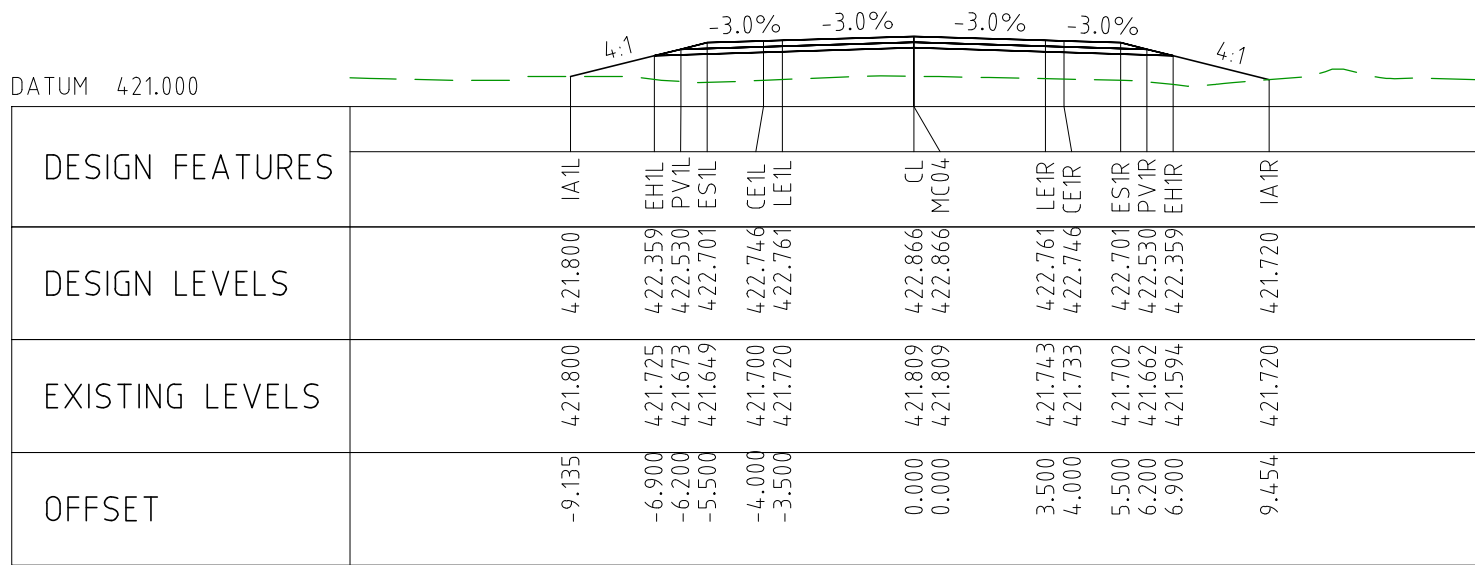
CHAINAGE 101350



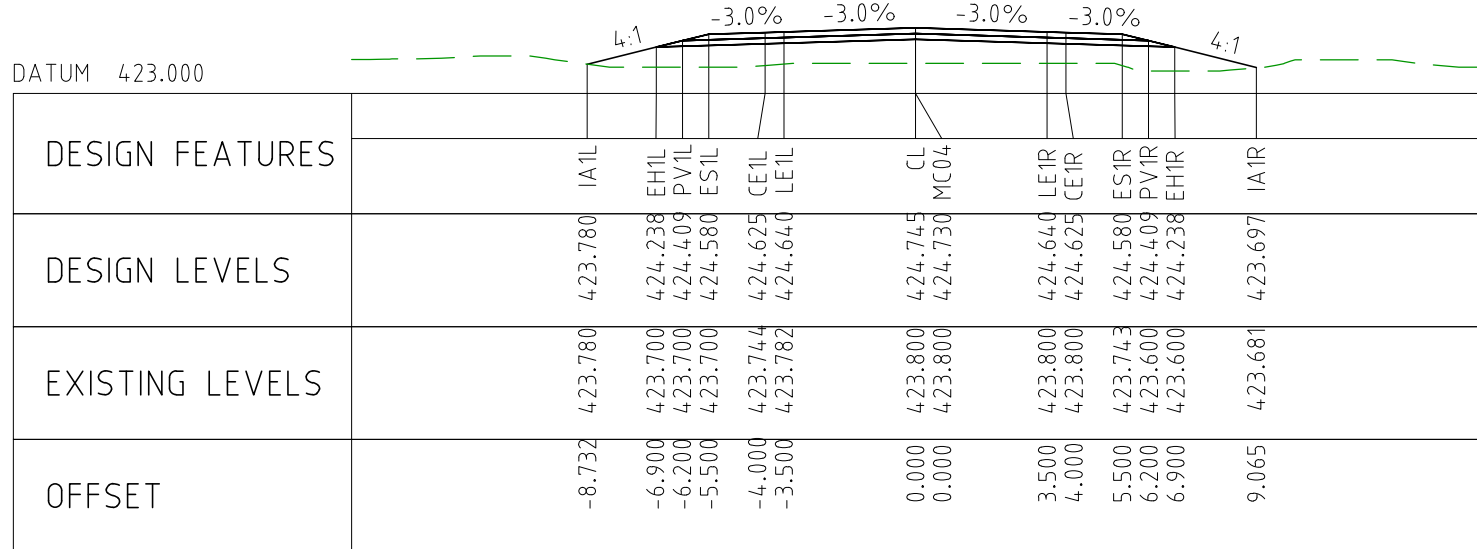
CHAINAGE 101600



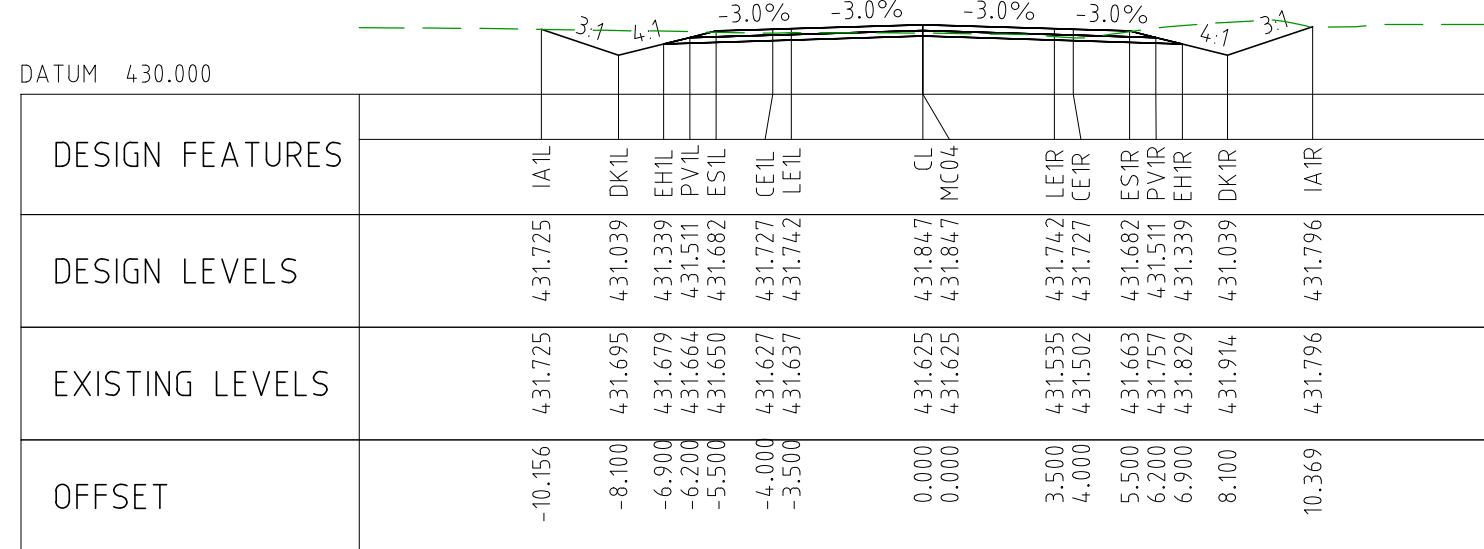
CHAINAGE 101850



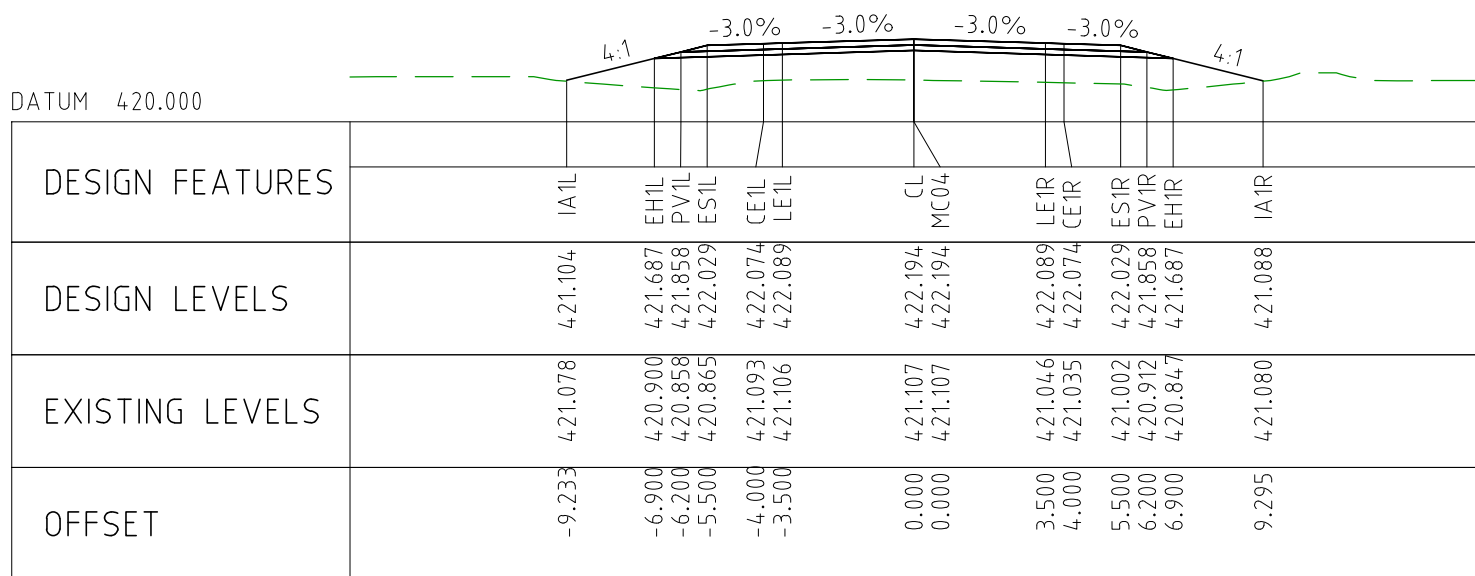
CHAINAGE 101300



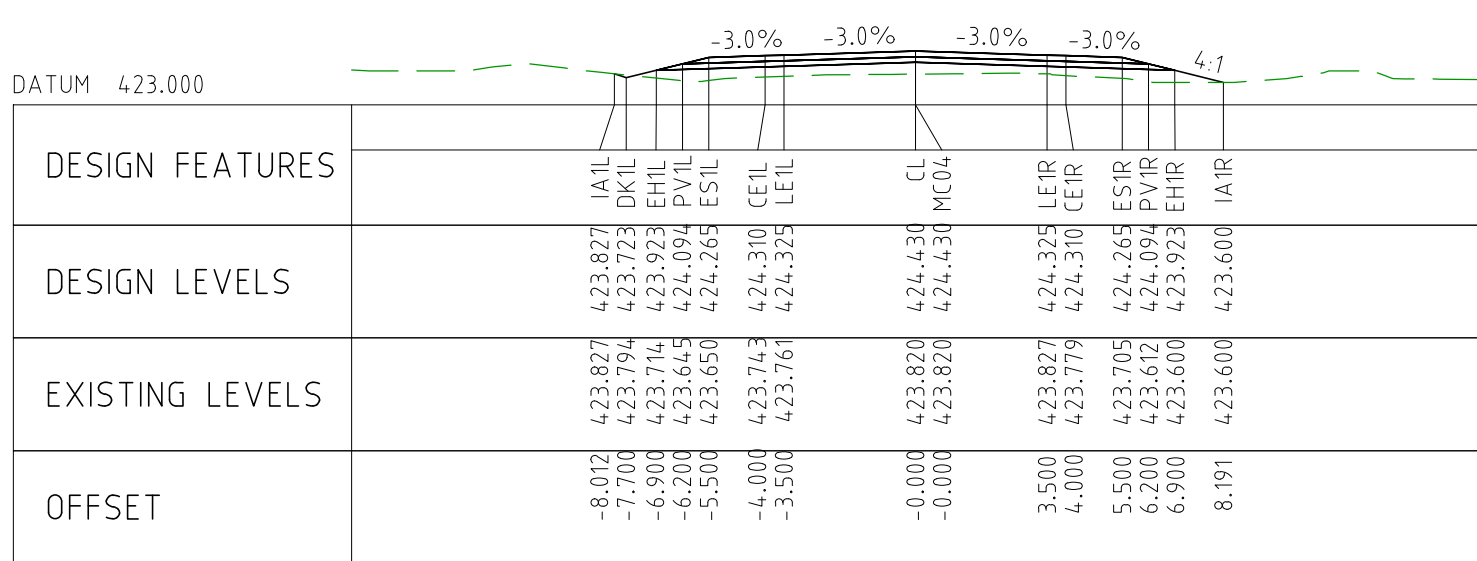
CHAINAGE 101550



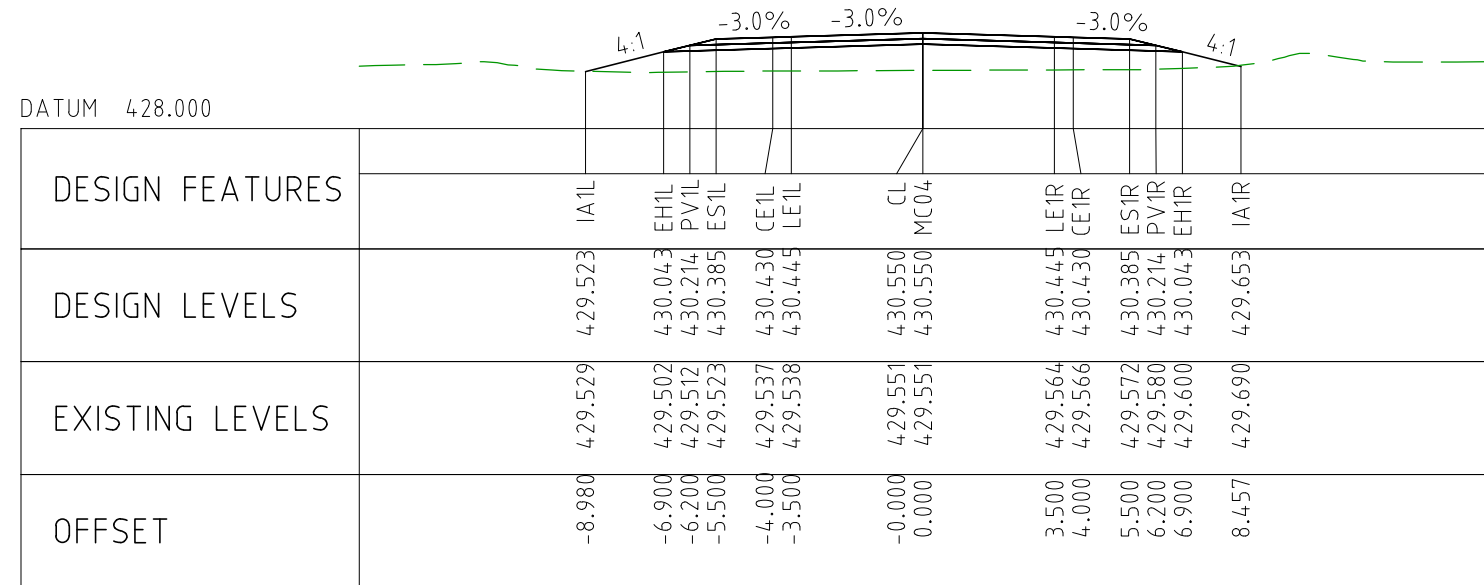
CHAINAGE 101800



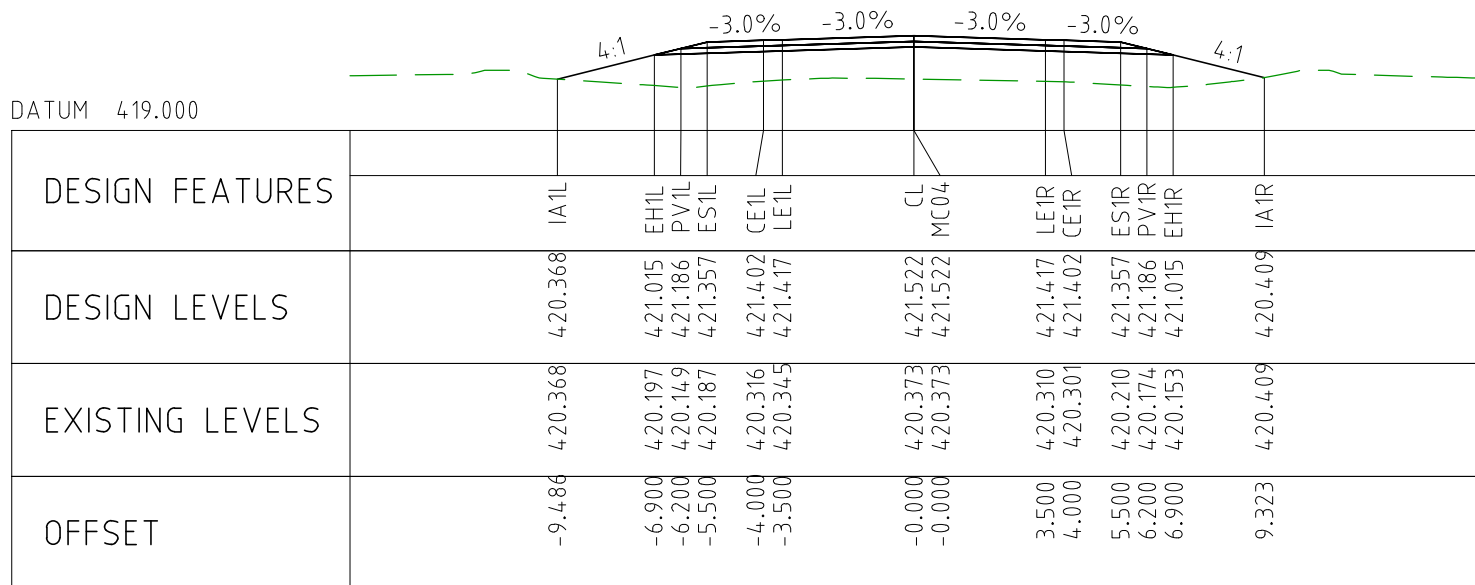
CHAINAGE 101250



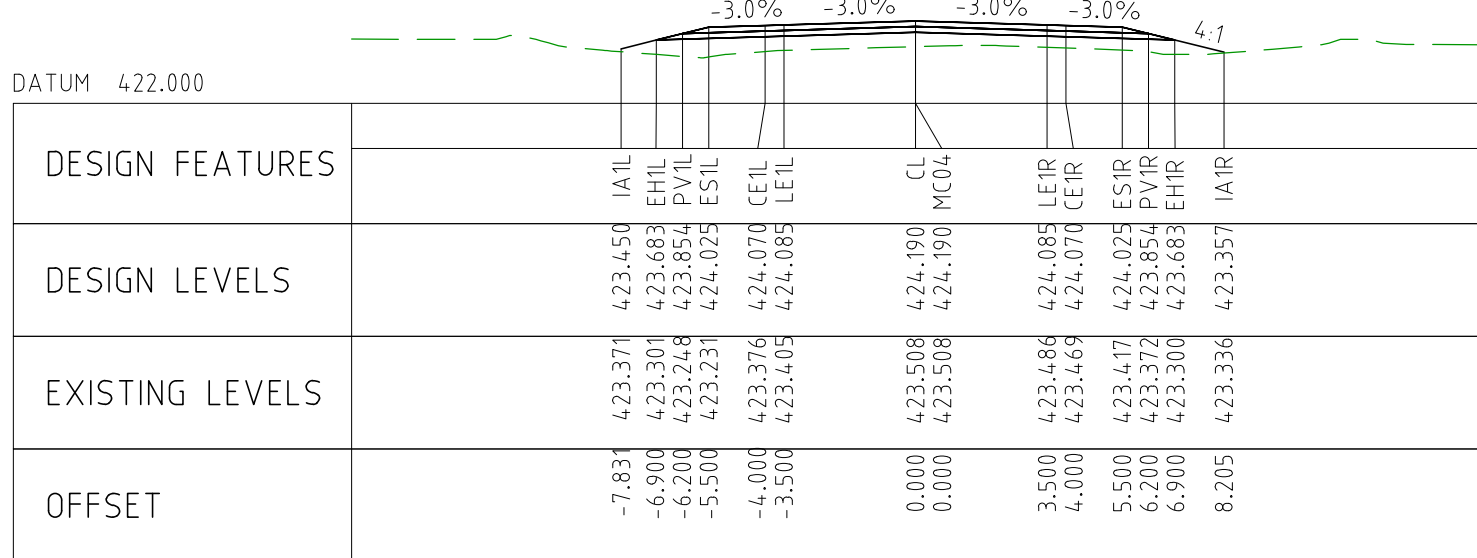
CHAINAGE 101500



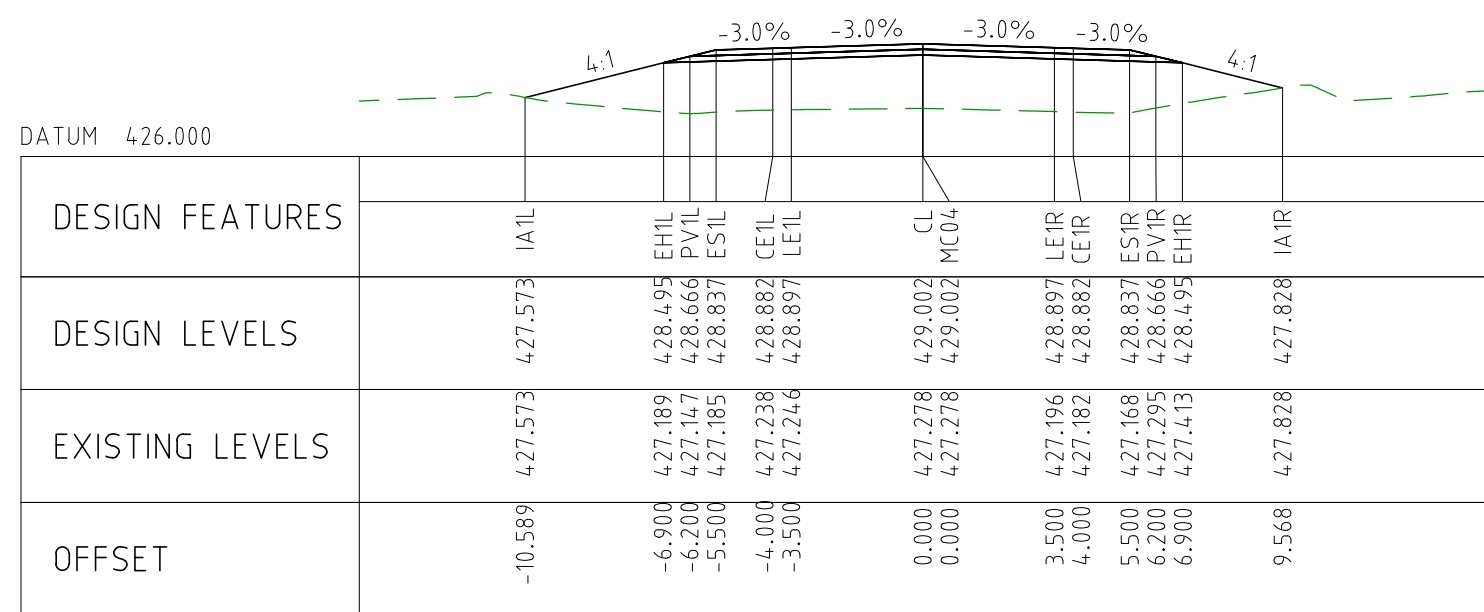
CHAINAGE 101750



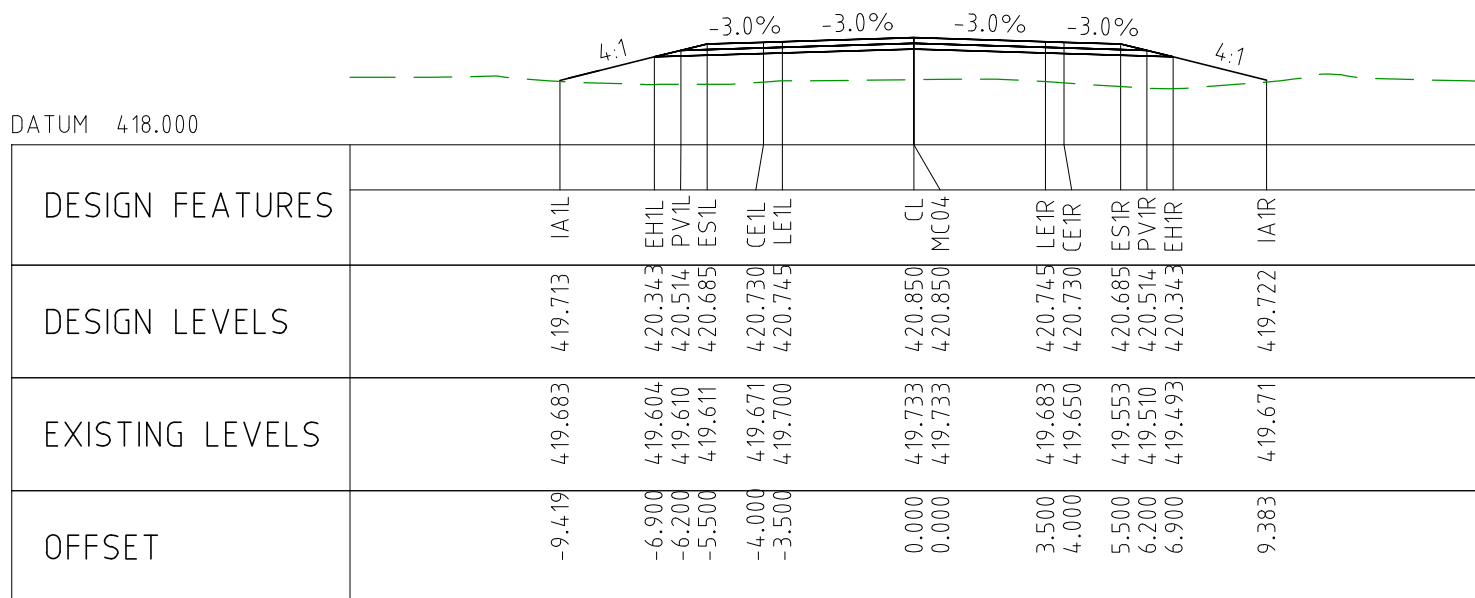
CHAINAGE 101200



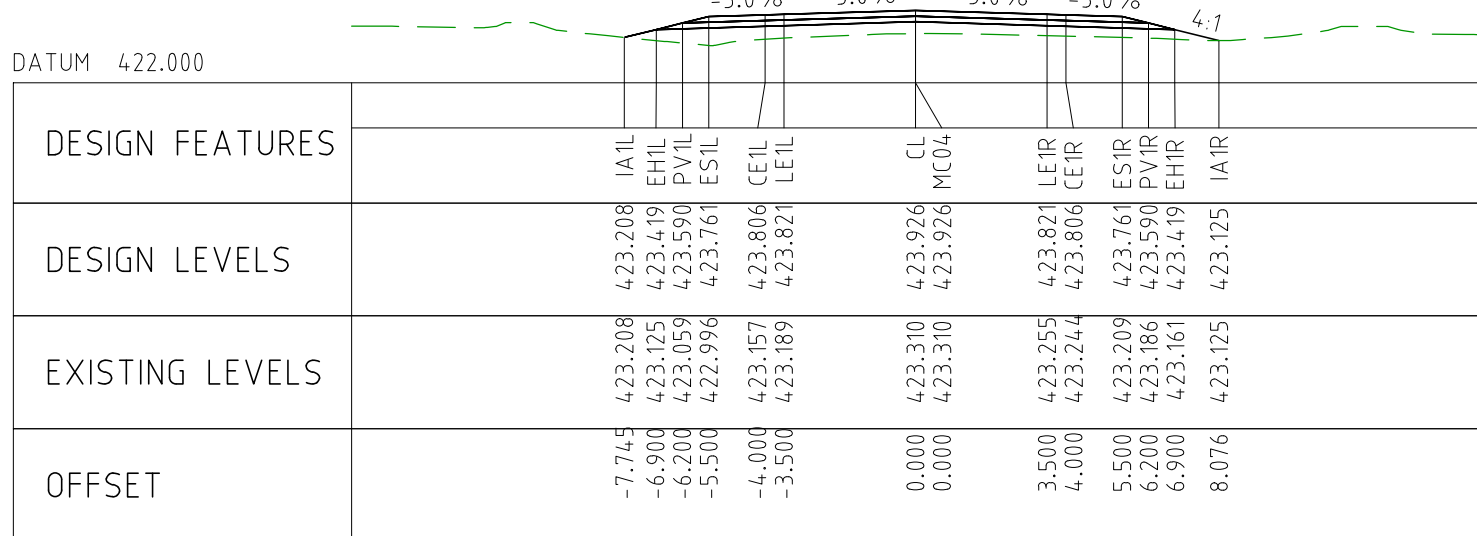
CHAINAGE 101450



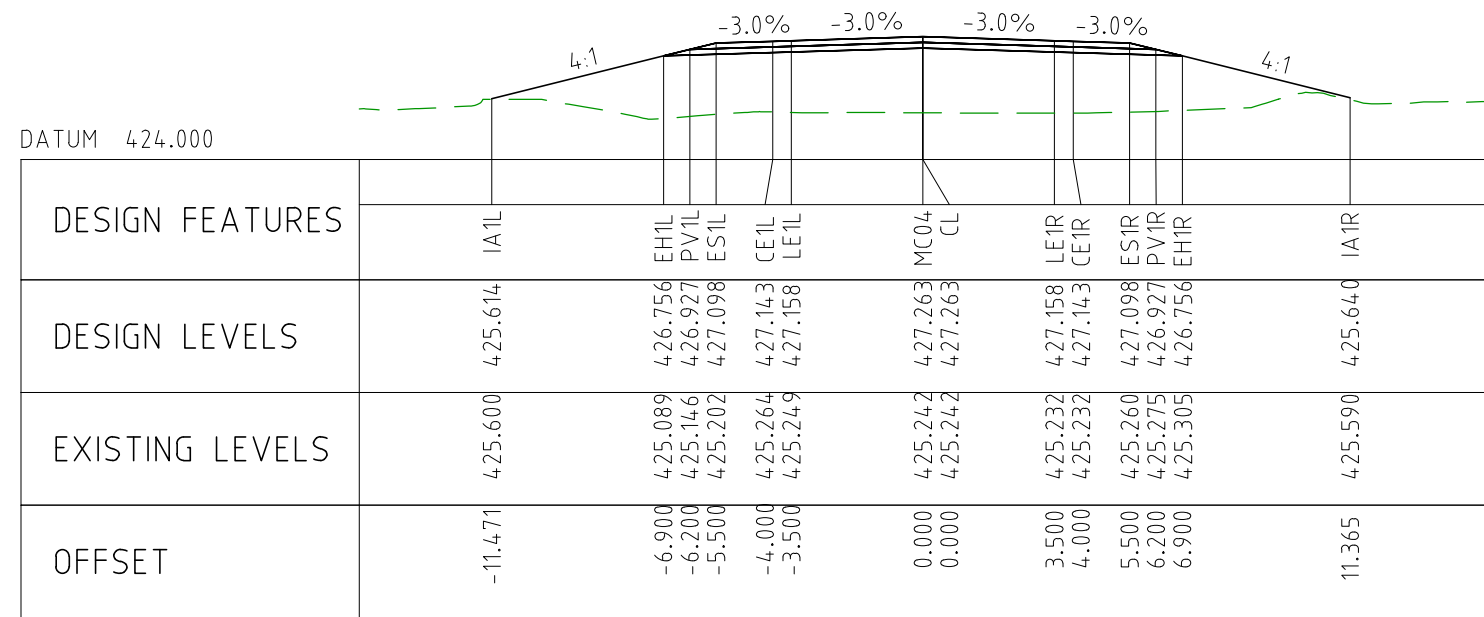
CHAINAGE 101700



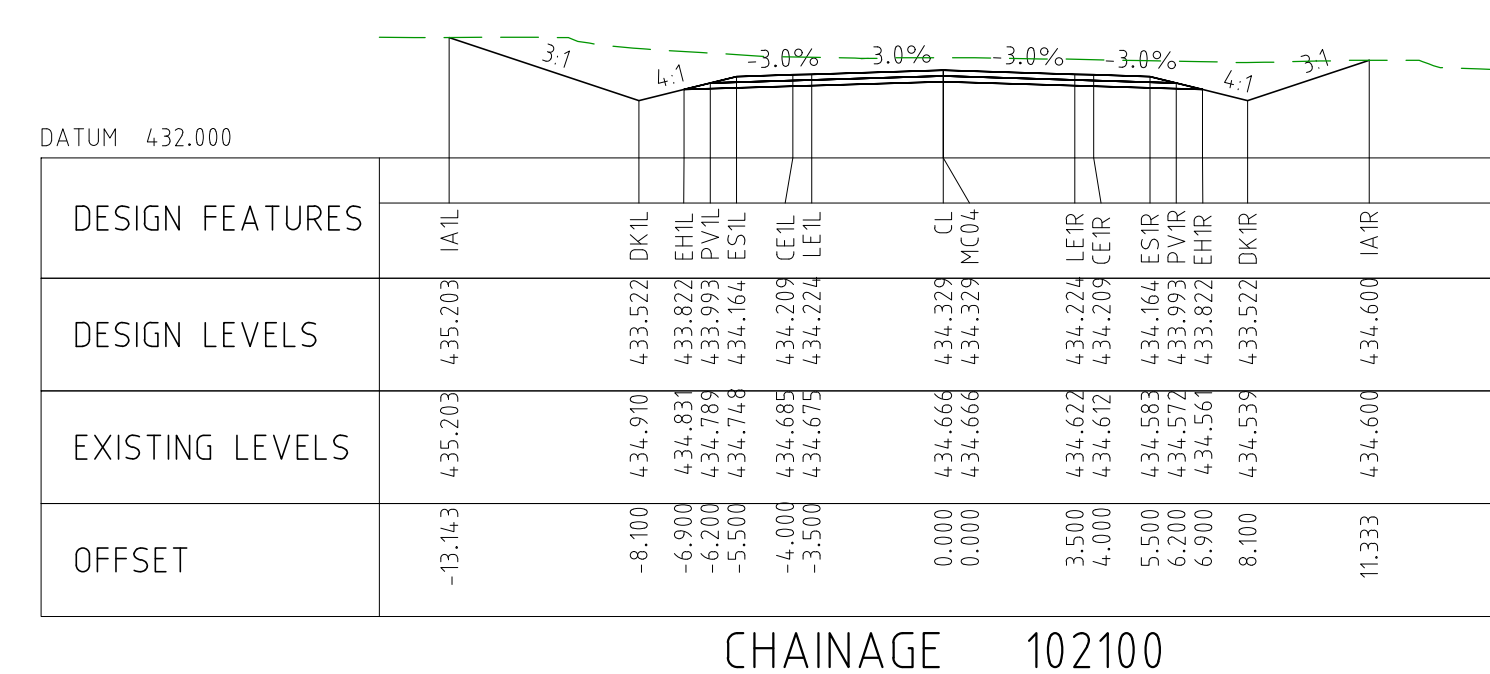
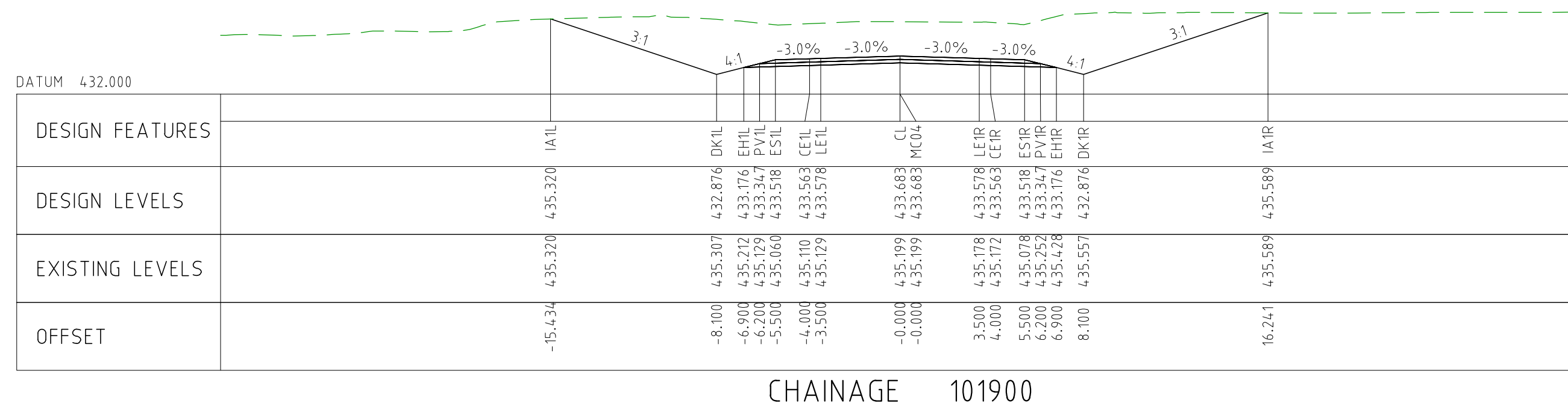
CHAINAGE 101150



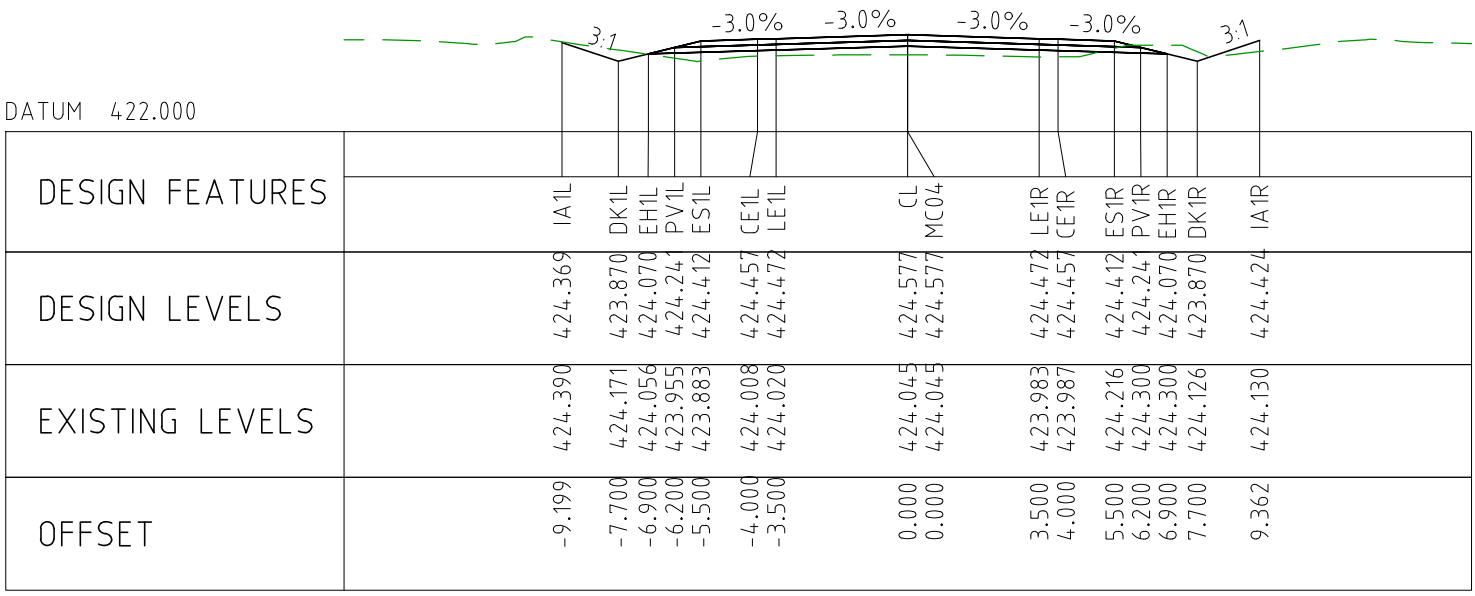
CHAINAGE 101400



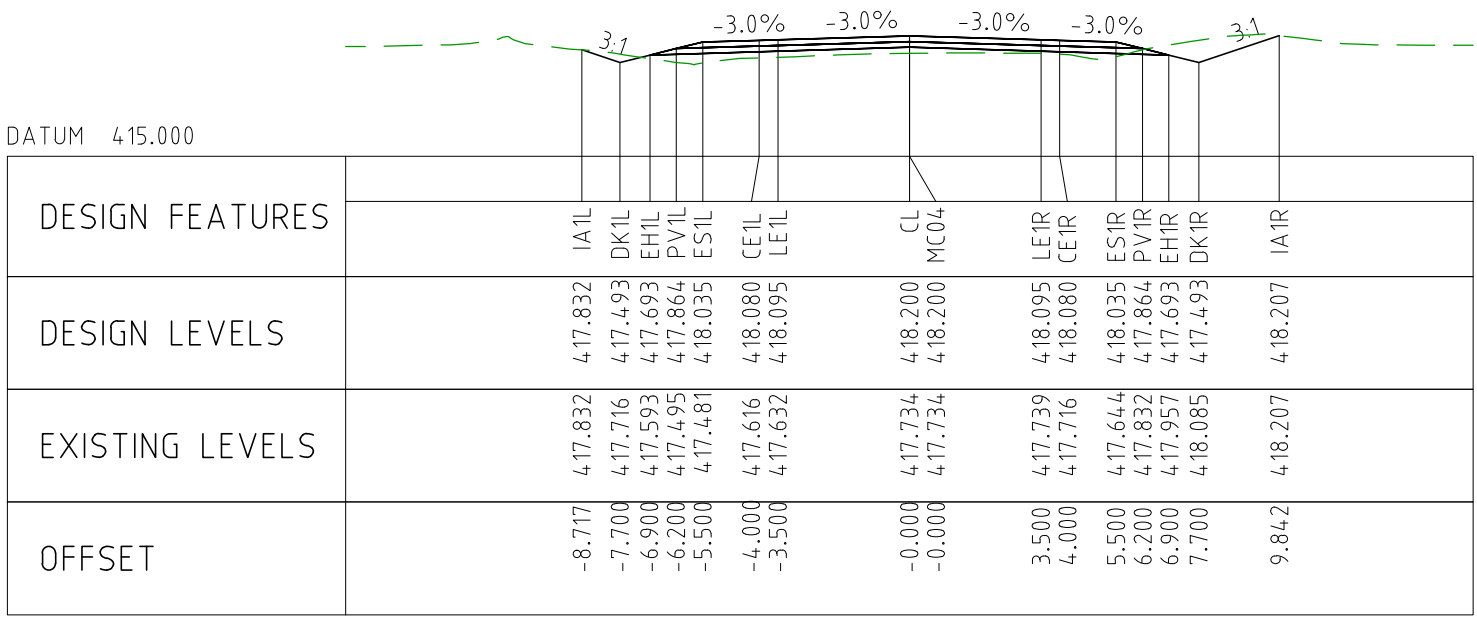
CHAINAGE 101650



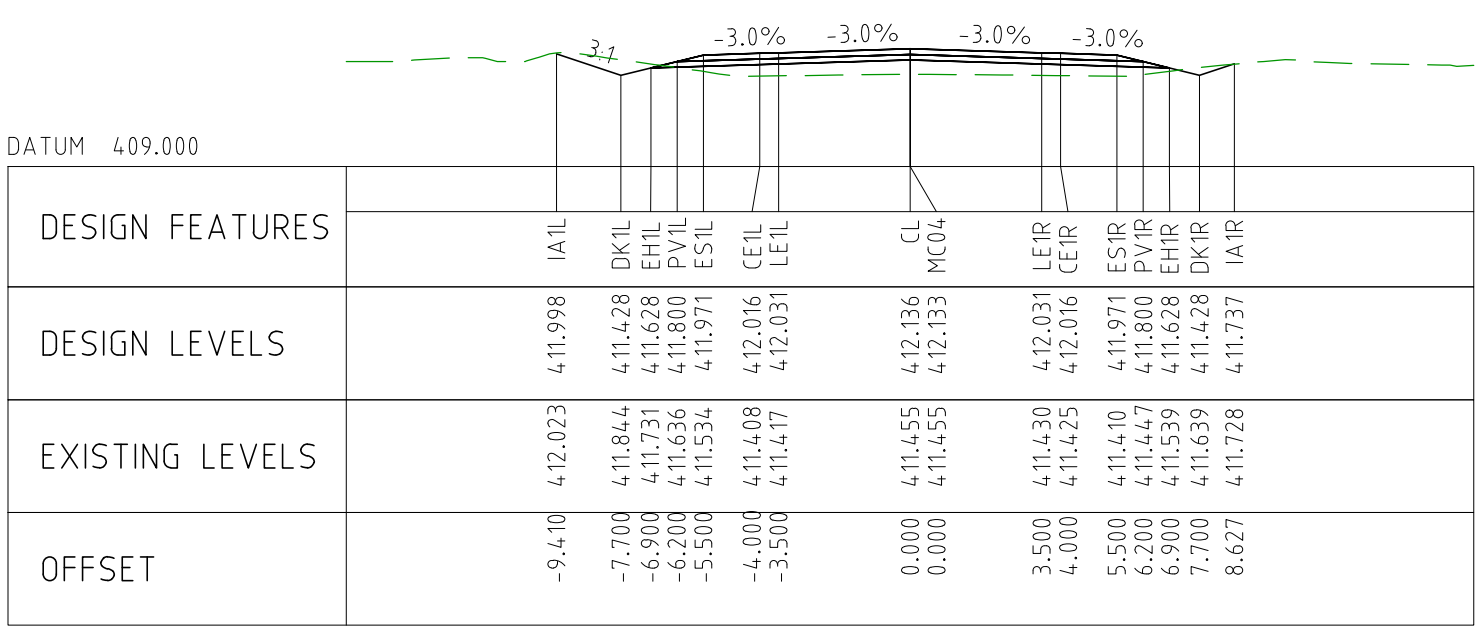
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS151.dwg					PLOT DATE 03 Nov 2022		TIME 17:20:42		CLIENT DOCUMENT No COV-M040-CI-DWG-0263																					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No. 003	APPROVAL NM	<table><tr><td>TITLE</td><td>NAME</td></tr><tr><td>DRAFTER</td><td>JW</td></tr><tr><td>DRAFTING CHECK</td><td>TM</td></tr><tr><td>DESIGNER</td><td>DC</td></tr><tr><td>DESIGN CHECK</td><td>TM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>	TITLE	NAME	DRAFTER	JW	DRAFTING CHECK	TM	DESIGNER	DC	DESIGN CHECK	TM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	SCALES AT A1 SIZE DRAWING SCALE 1:200		DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC04 SHEET 57 OF 72		
TITLE	NAME																													
DRAFTER	JW																													
DRAFTING CHECK	TM																													
DESIGNER	DC																													
DESIGN CHECK	TM																													
PROJECT MANAGER	DM																													
PROJECT DIRECTOR	RI																													
		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS151		REVISION 0																								



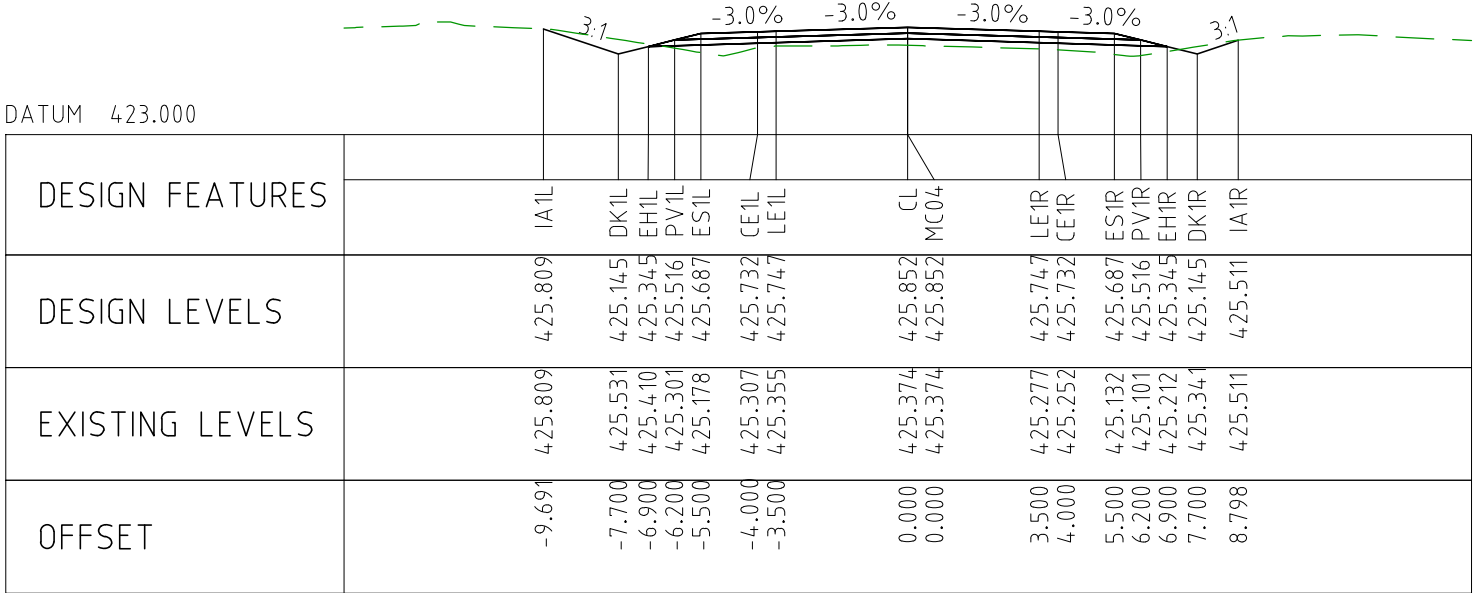
CHAINAGE 102550



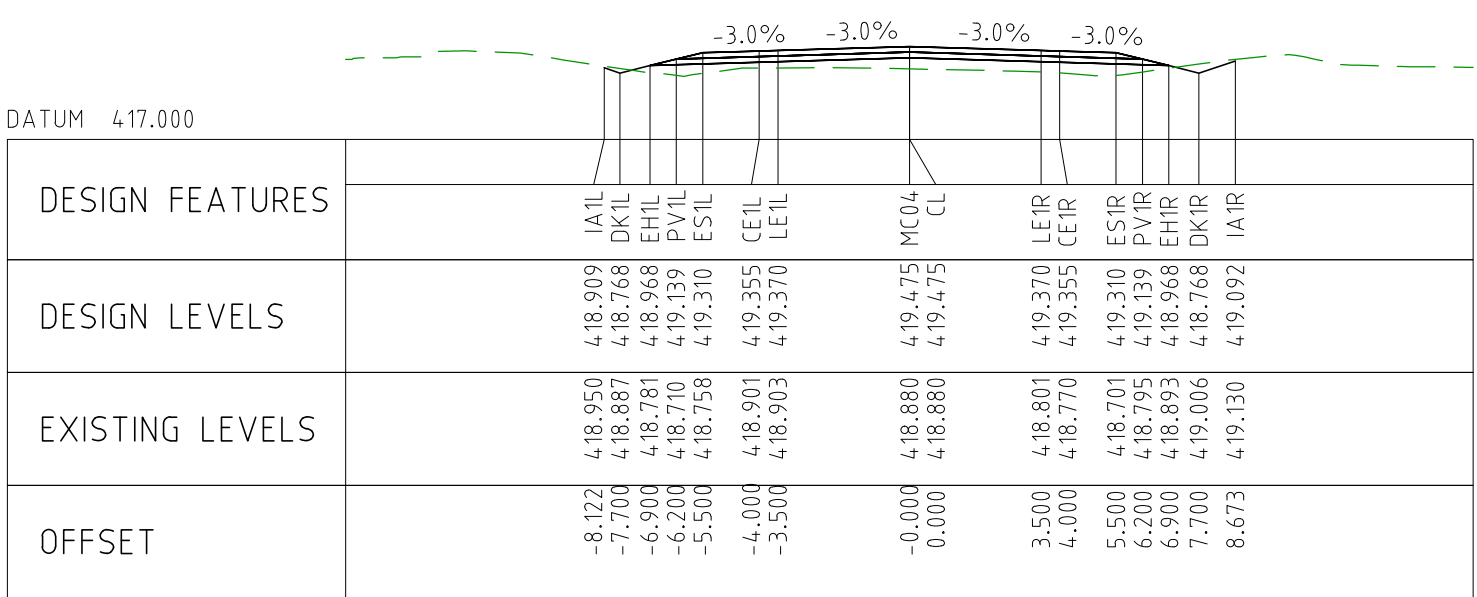
CHAINAGE 102800



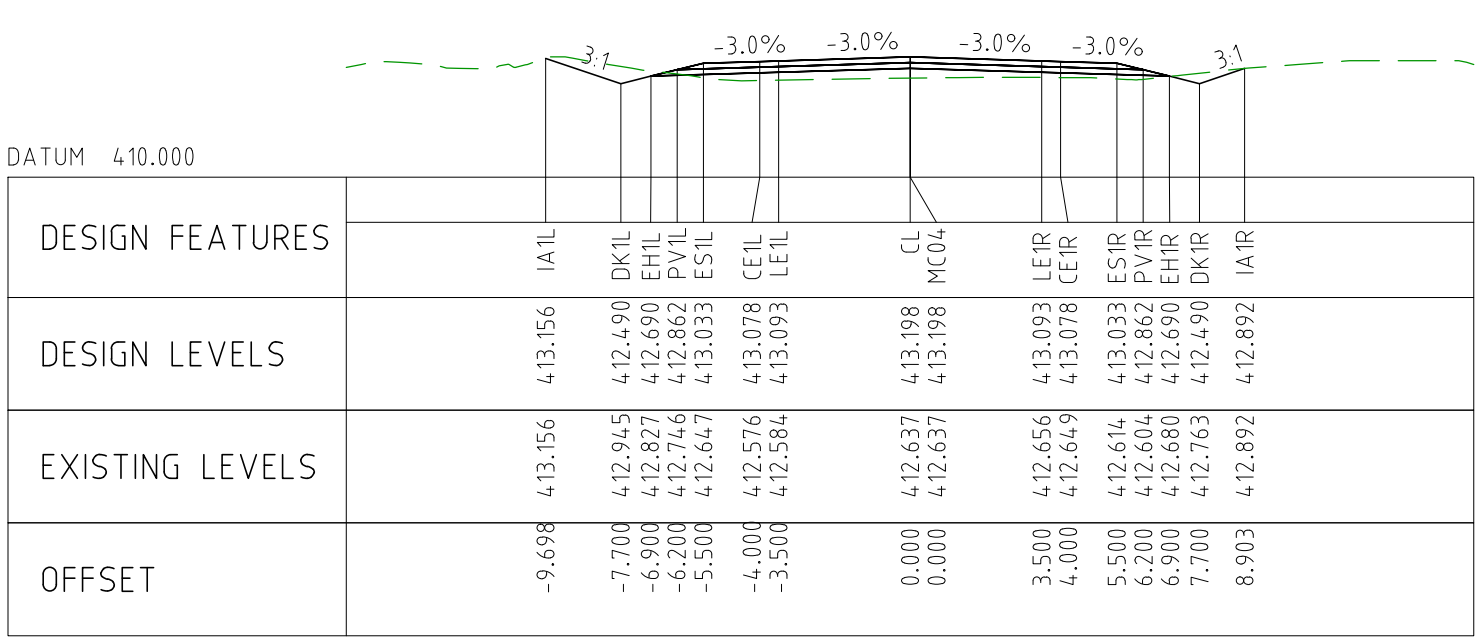
CHAINAGE 103050



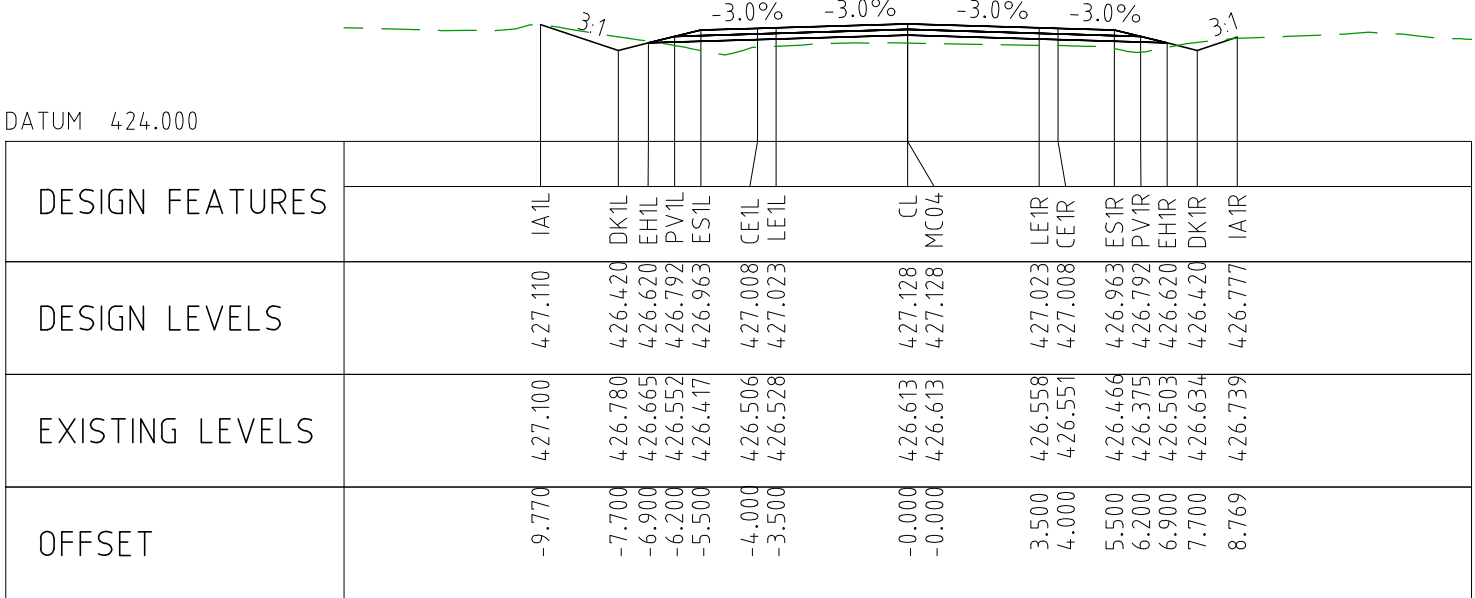
CHAINAGE 102500



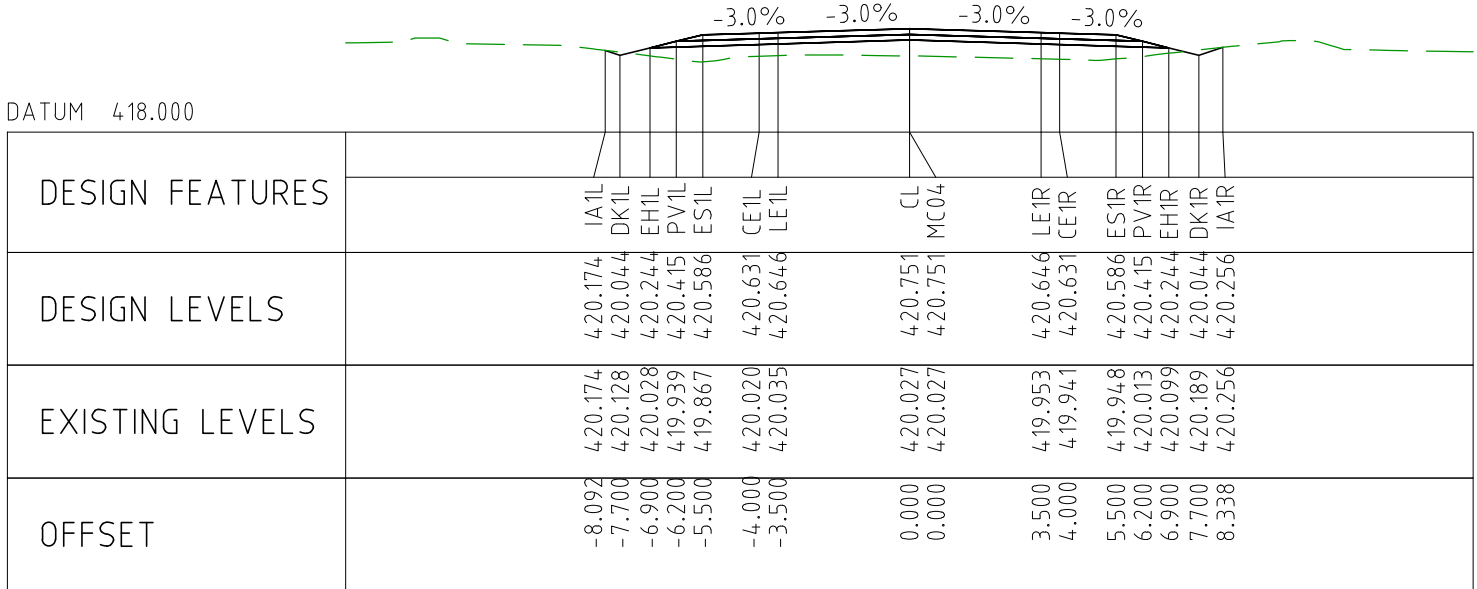
CHAINAGE 102750



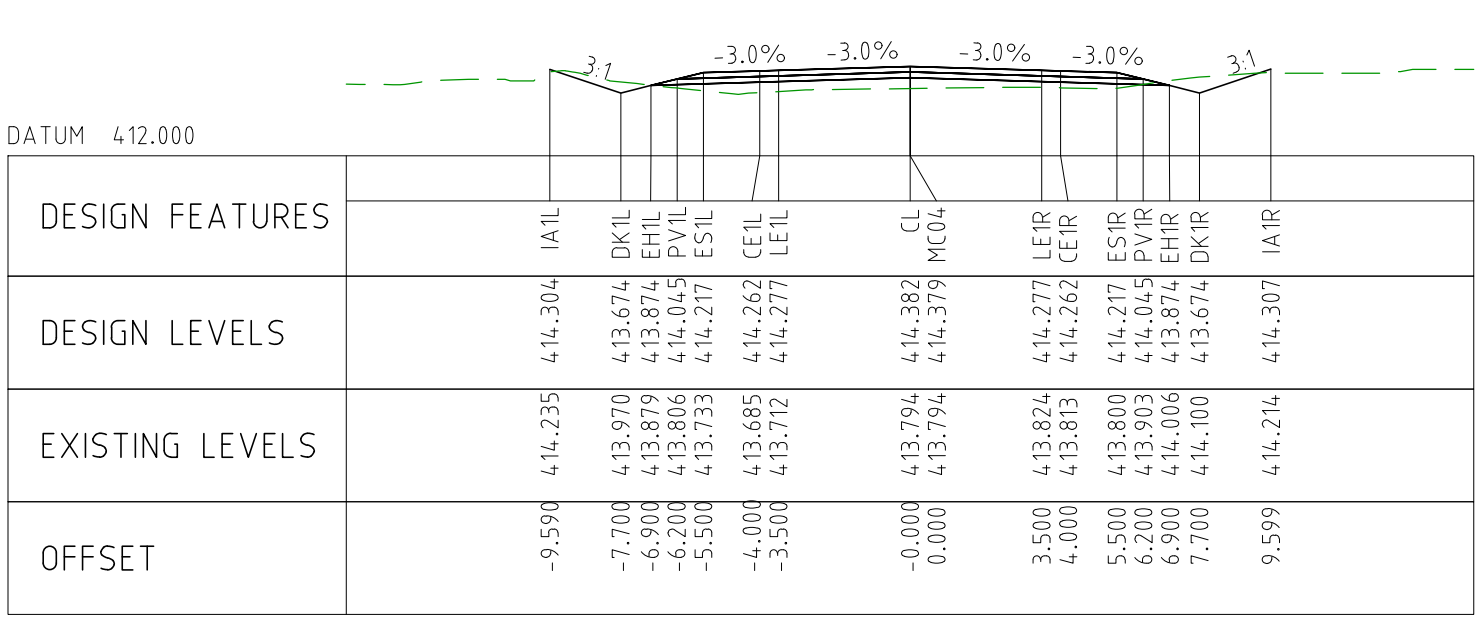
CHAINAGE 103000



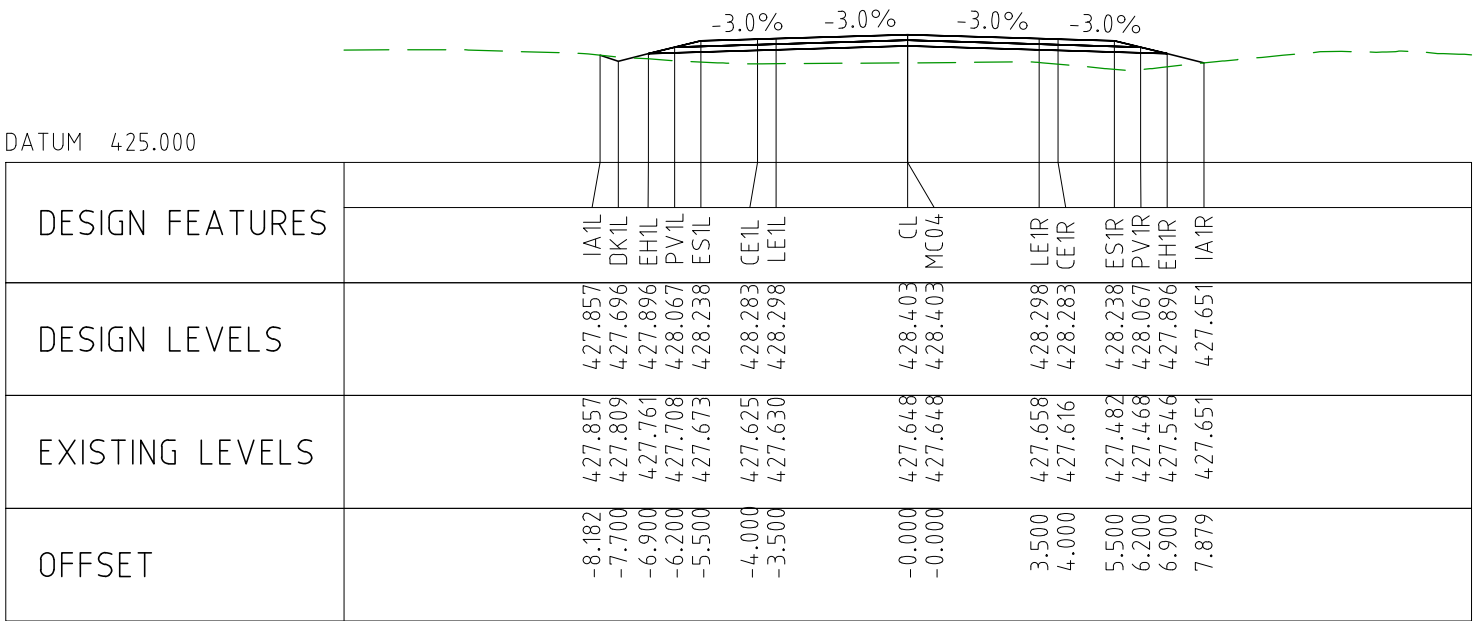
CHAINAGE 102450



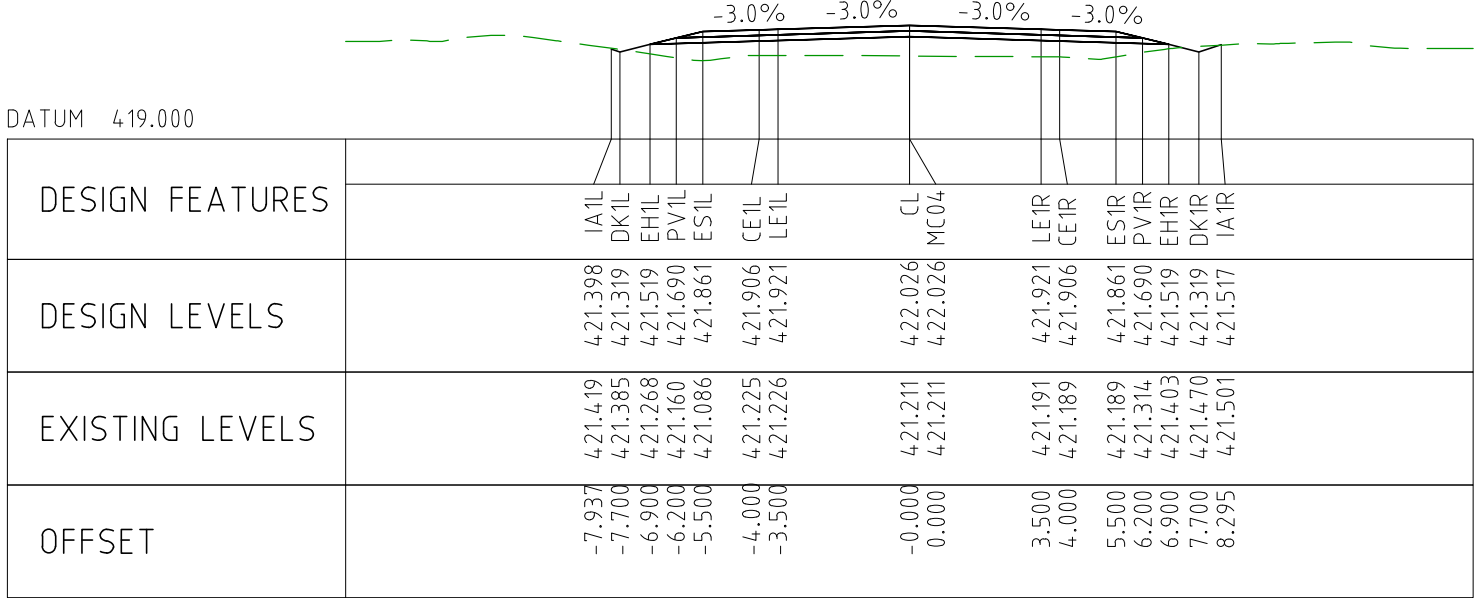
CHAINAGE 102700



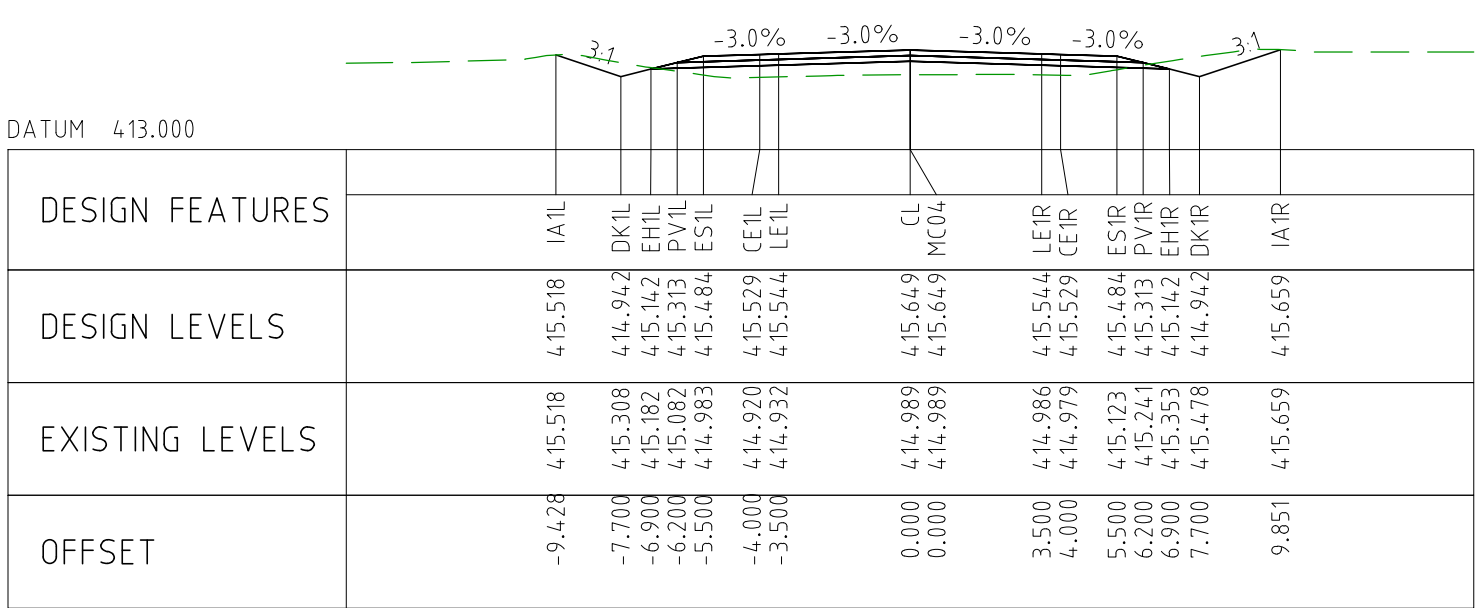
CHAINAGE 102950



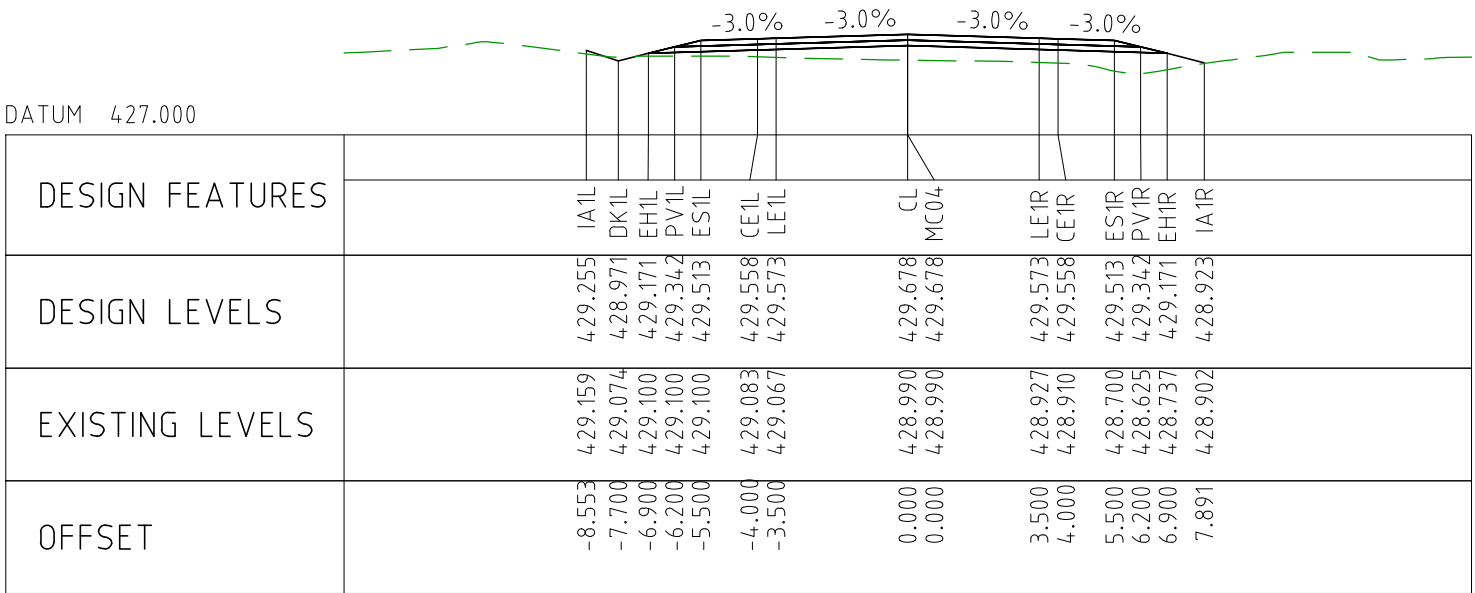
CHAINAGE 102400



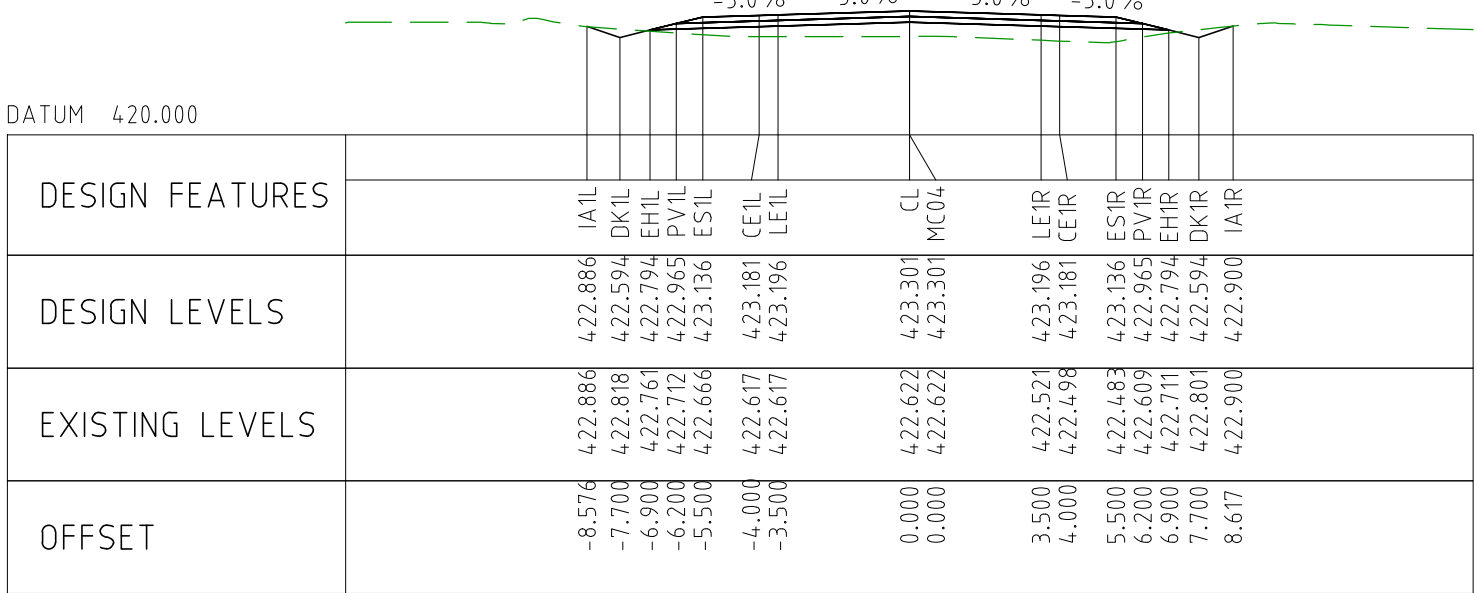
CHAINAGE 102650



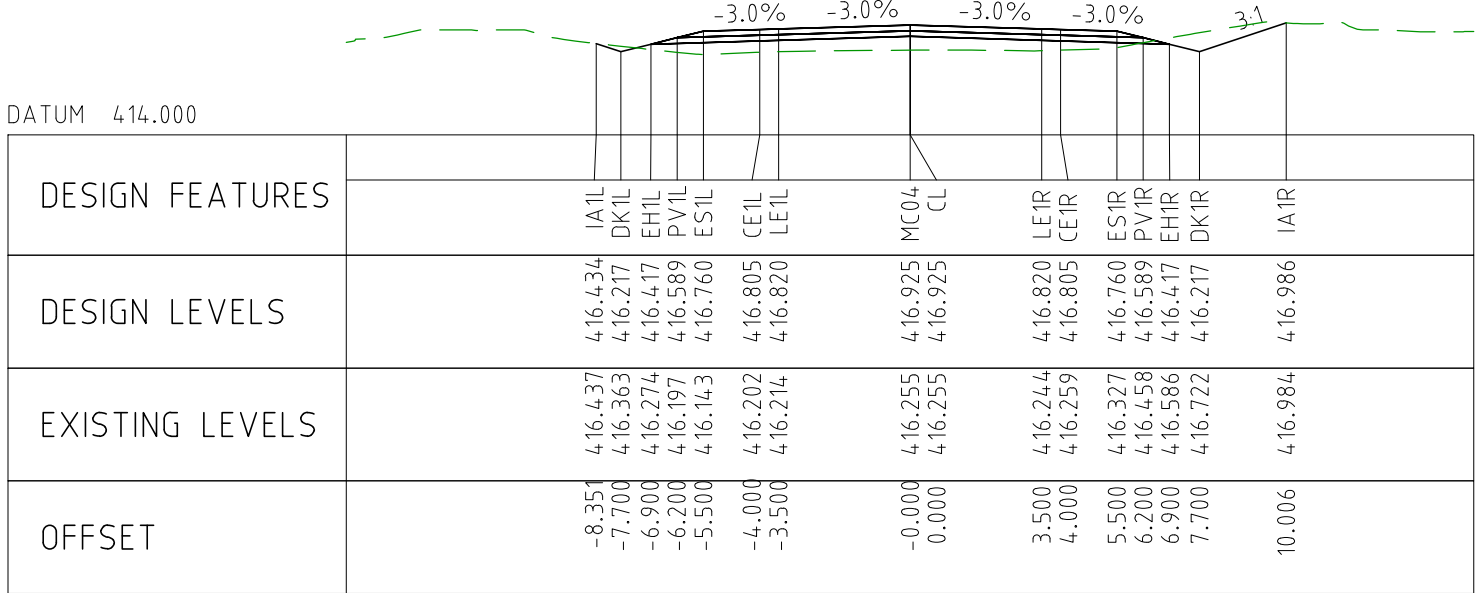
CHAINAGE 102900



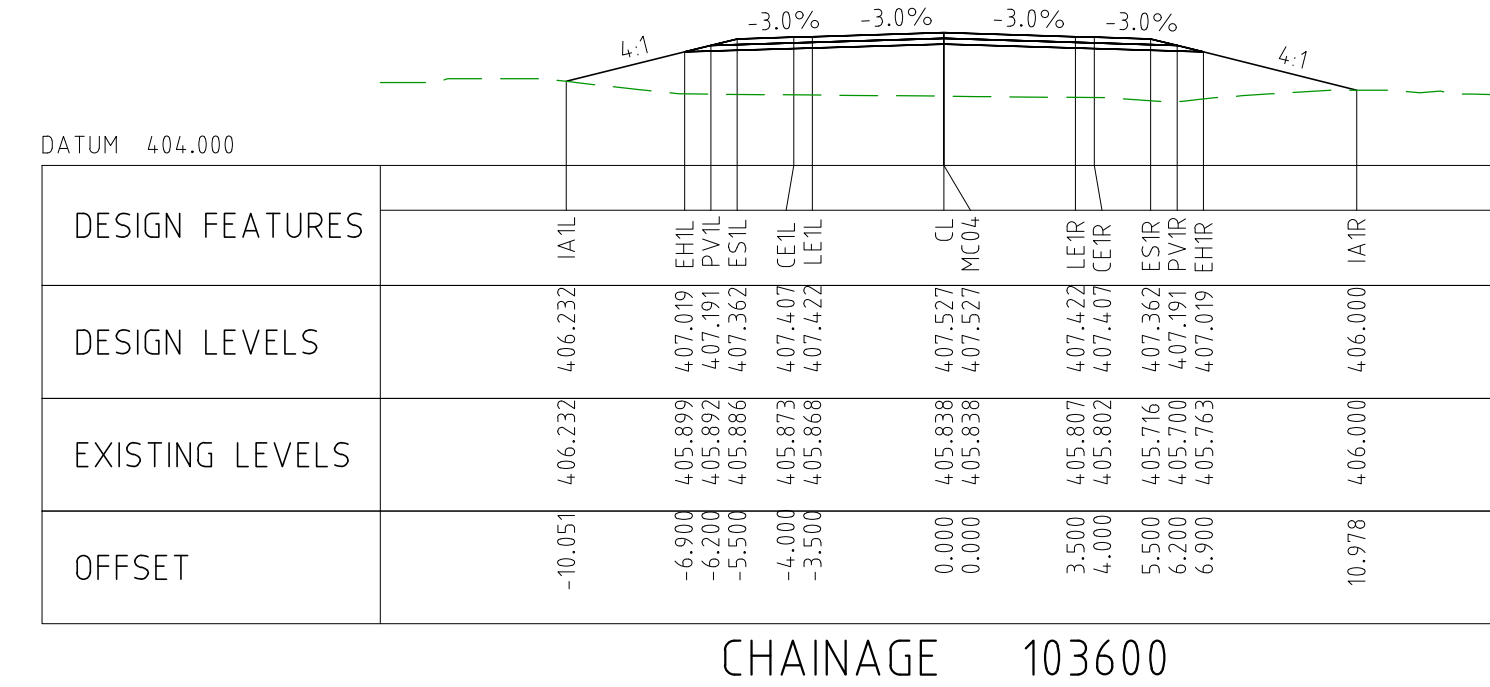
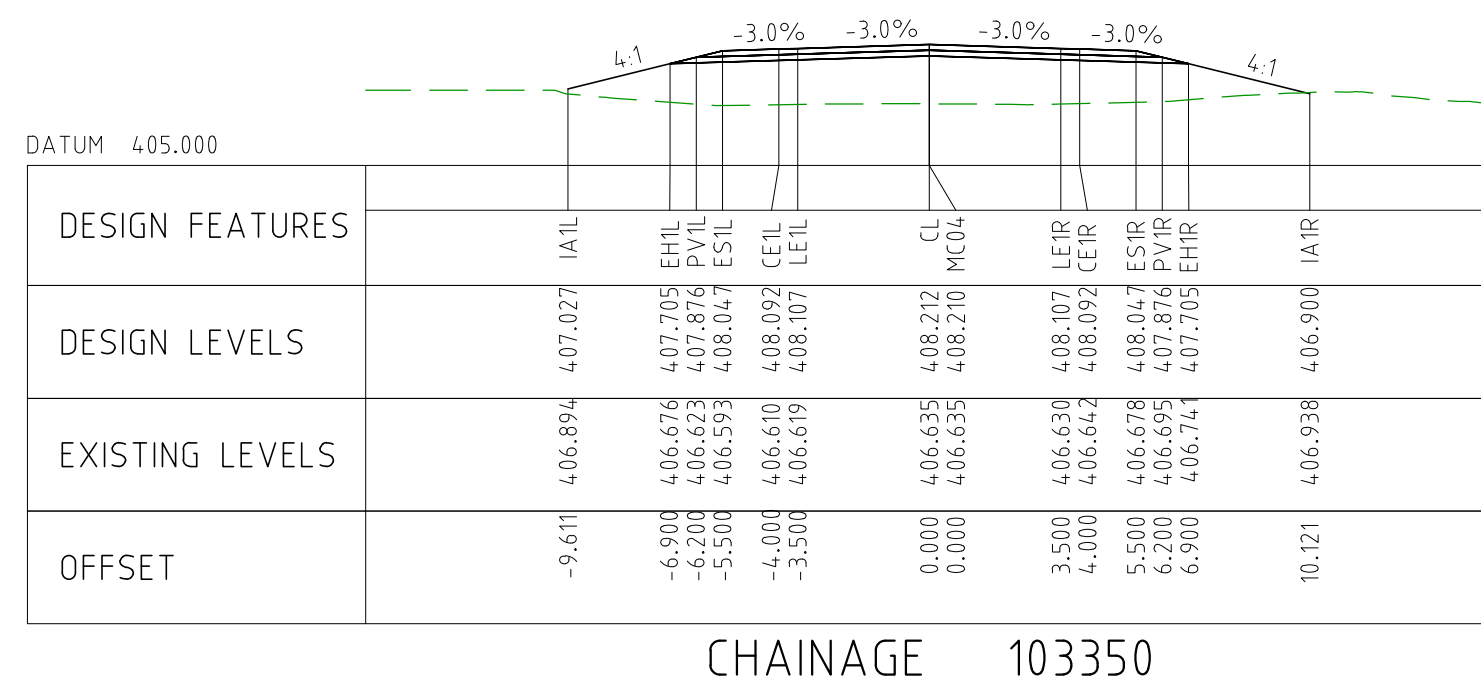
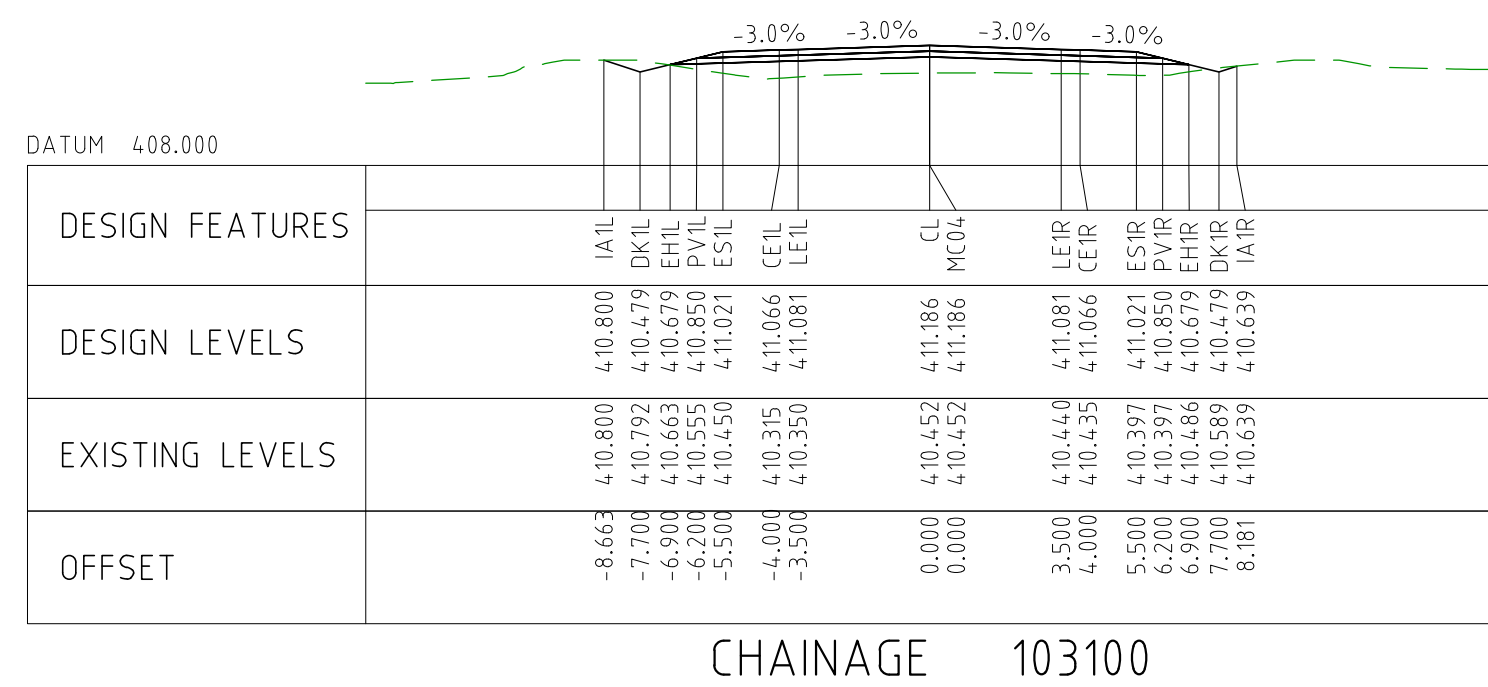
CHAINAGE 102350






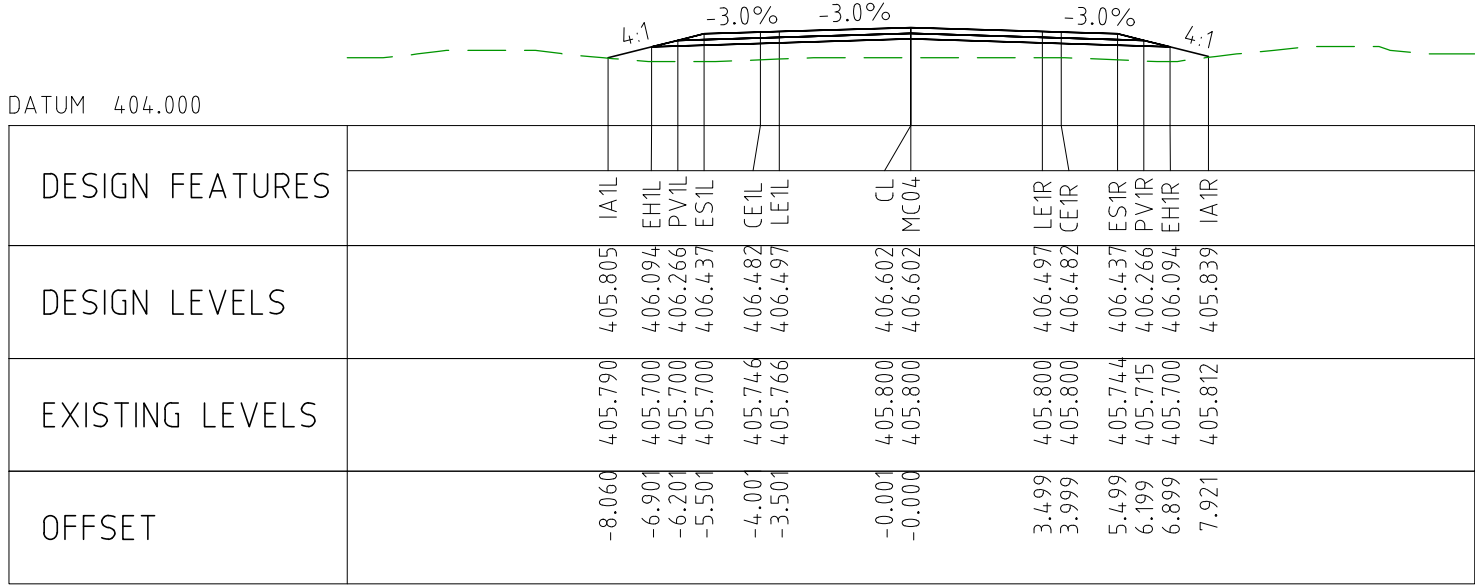
CHAINAGE 102600



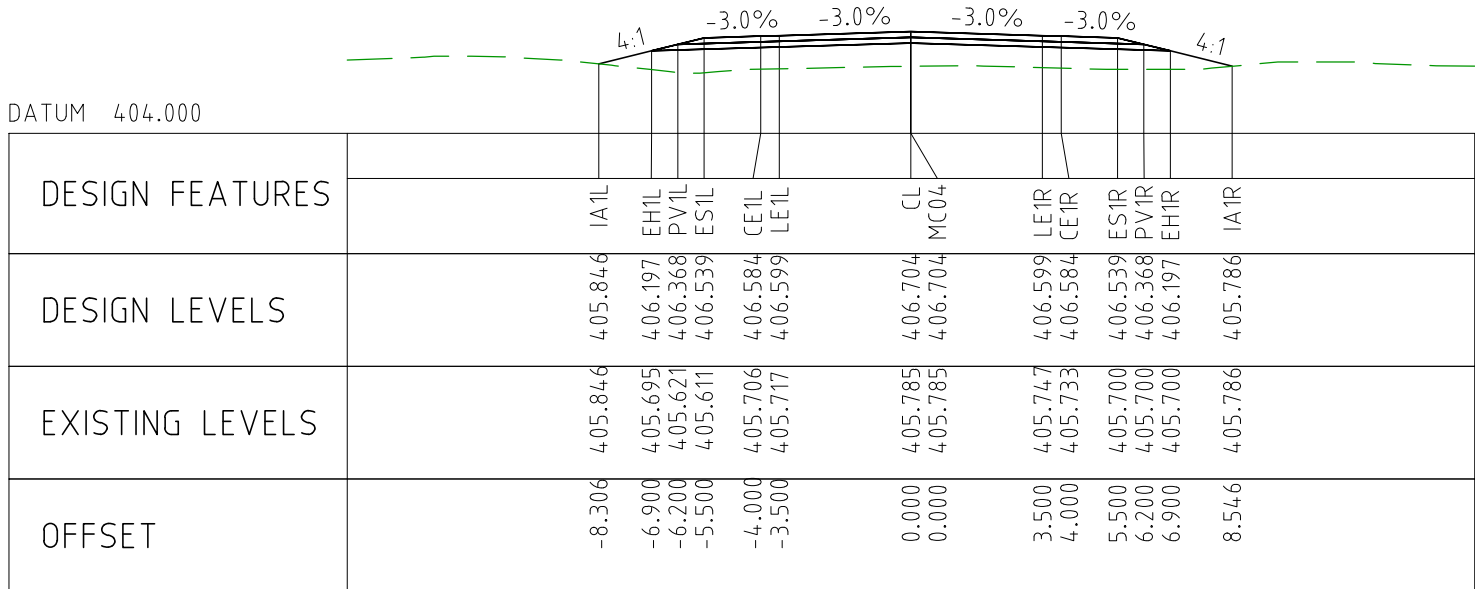
CHAINAGE 102850



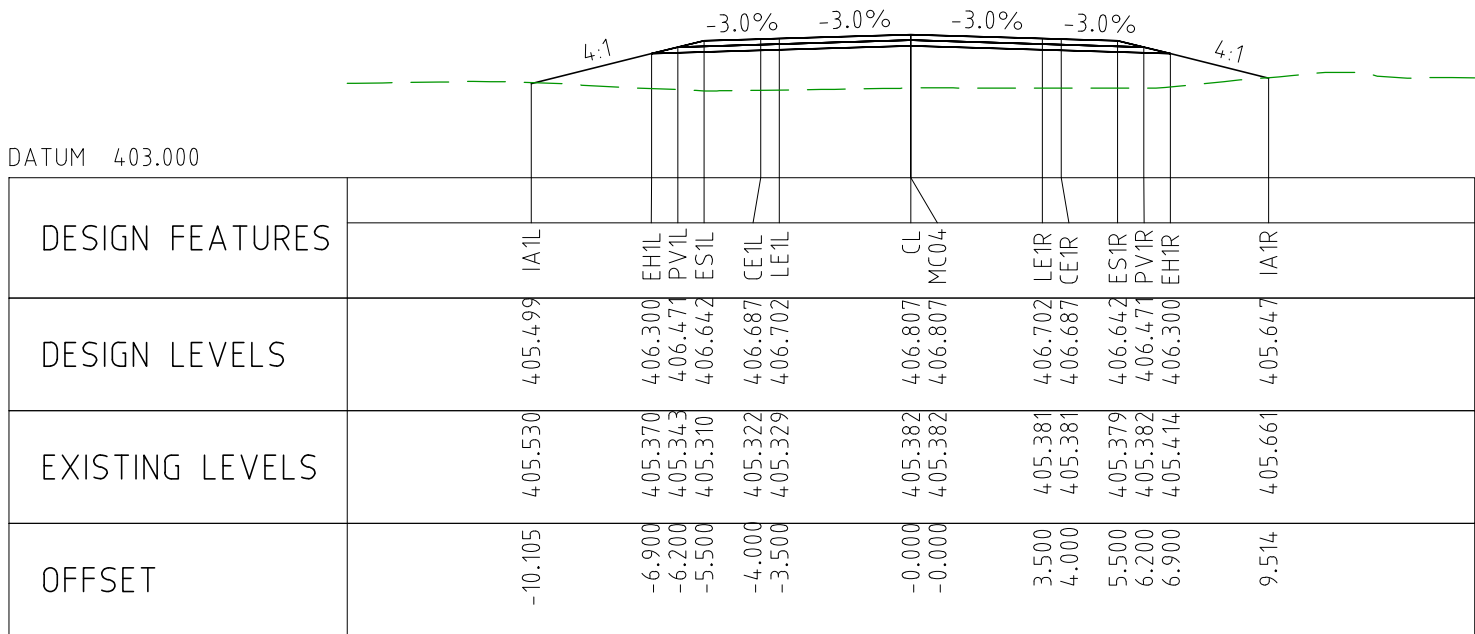
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-XS153.dwg					PLOT DATE 03 Nov 2022		TIME 17:22:40		CLIENT DOCUMENT NO COV-M040-CI-DWG-0265					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC04 SHEET 59 OF 72	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW	SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		SCALE 1:200 PHASE DETAILED PROJECT / DRAWING No 3006493-XS153 REVISION 0	
						DRAFTING CHECK	TM							
						DESIGNER	DC							
						DESIGN CHECK	TM							
						PROJECT MANAGER	DM							
							PROJECT DIRECTOR	RI						



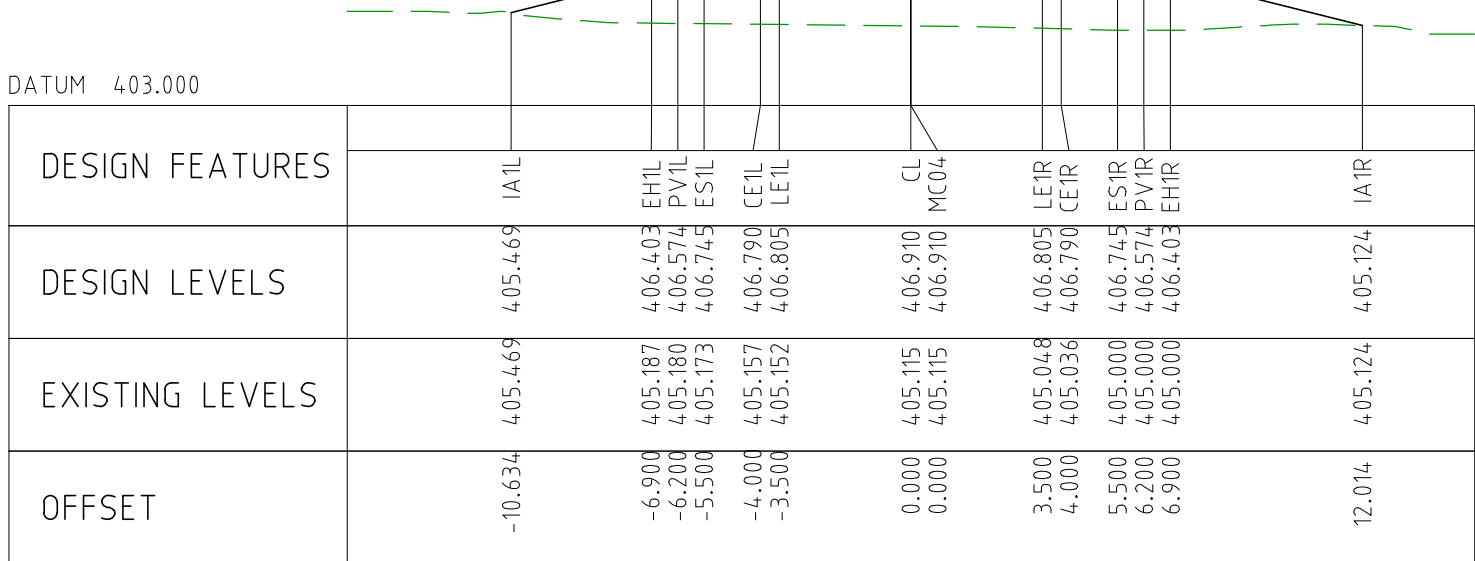
CHAINAGE 104050



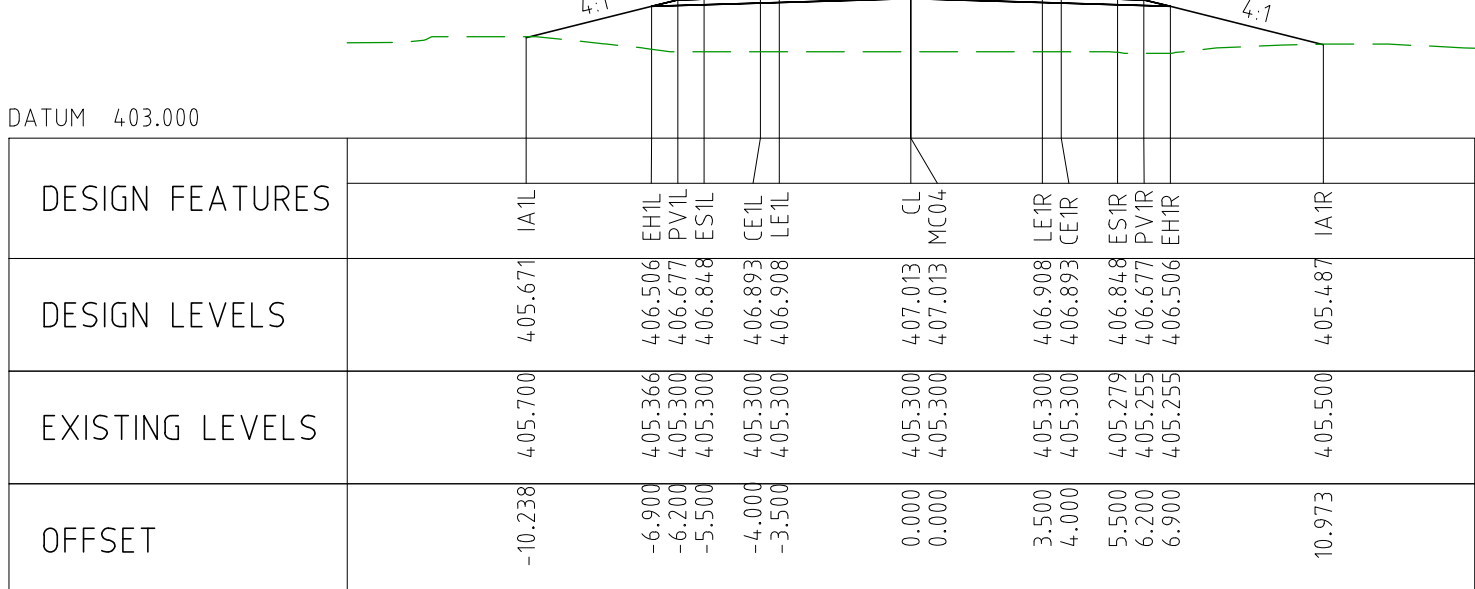
CHAINAGE 104000



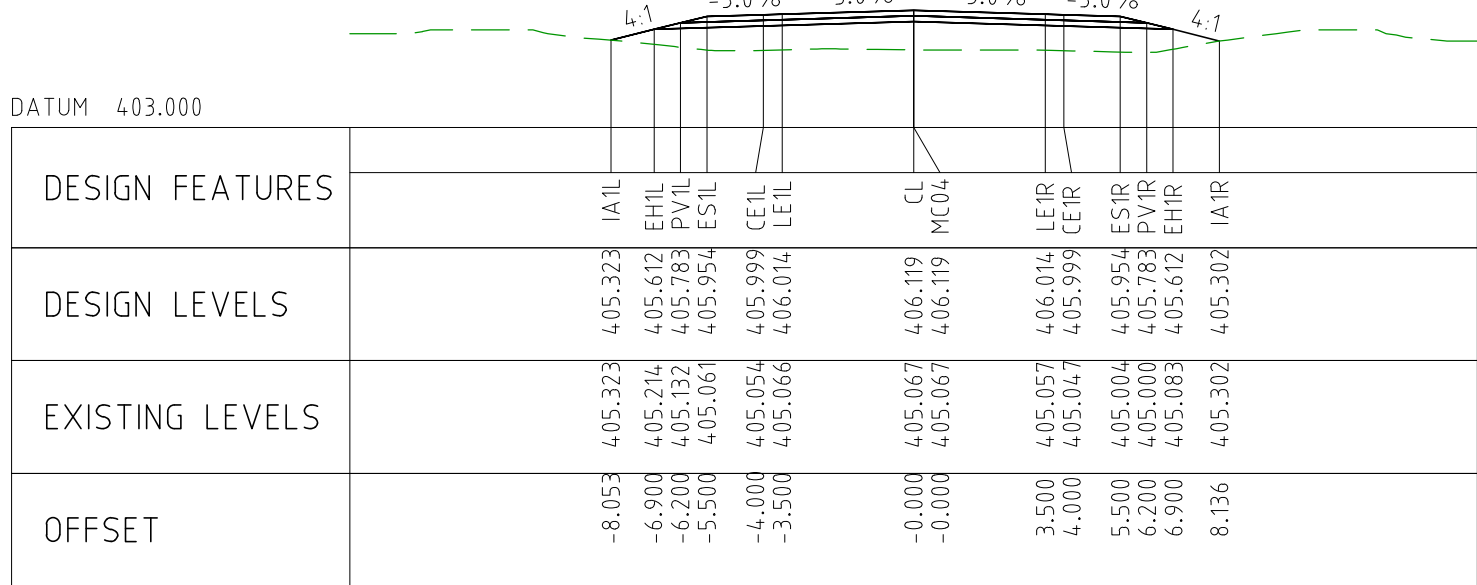
CHAINAGE 103950



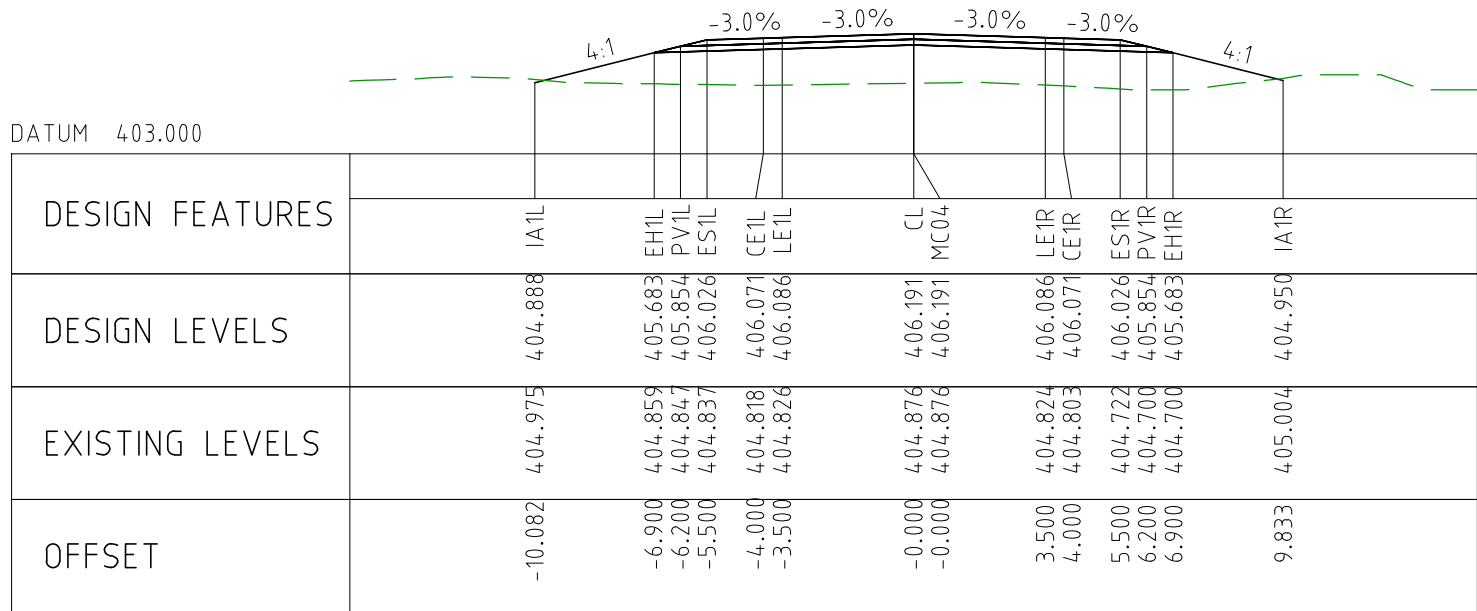
CHAINAGE 103900



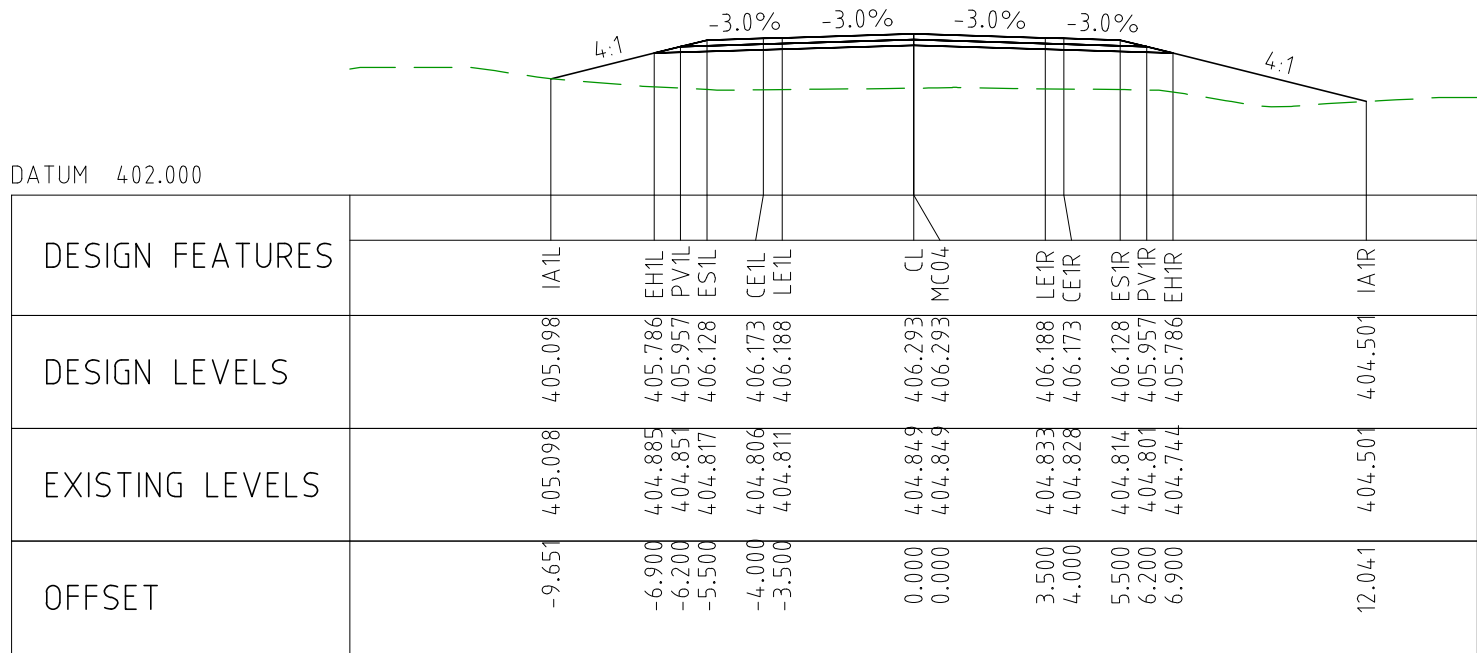
CHAINAGE 103850



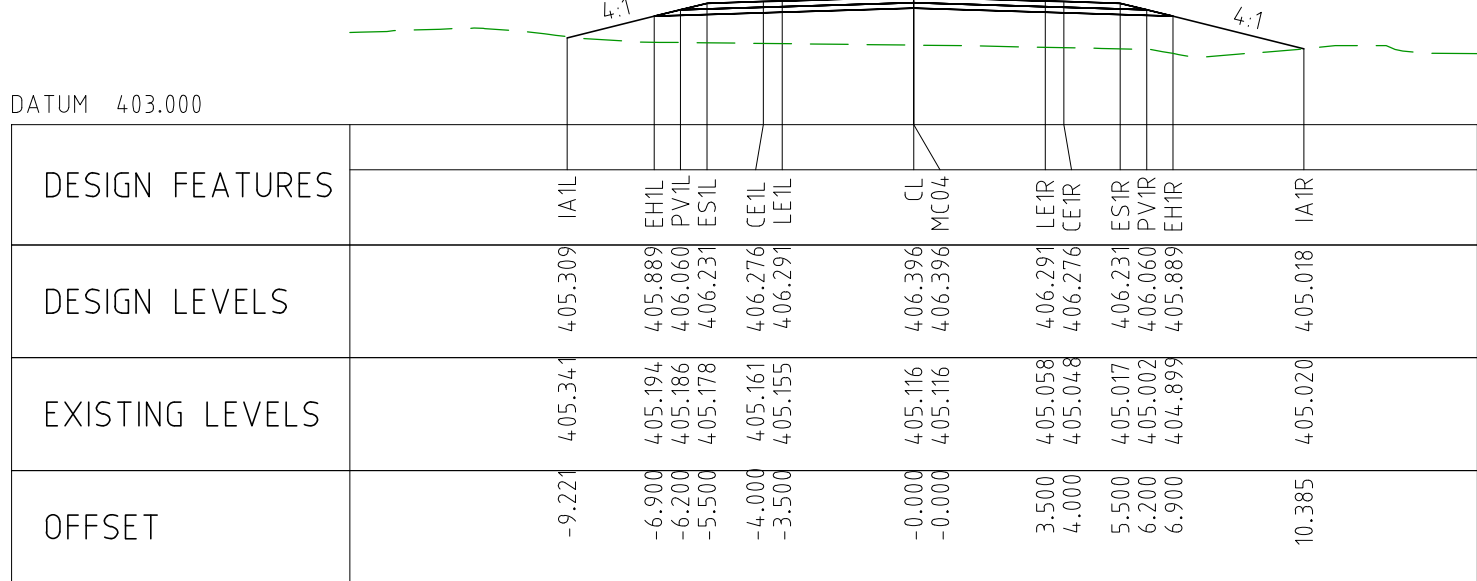
CHAINAGE 104300



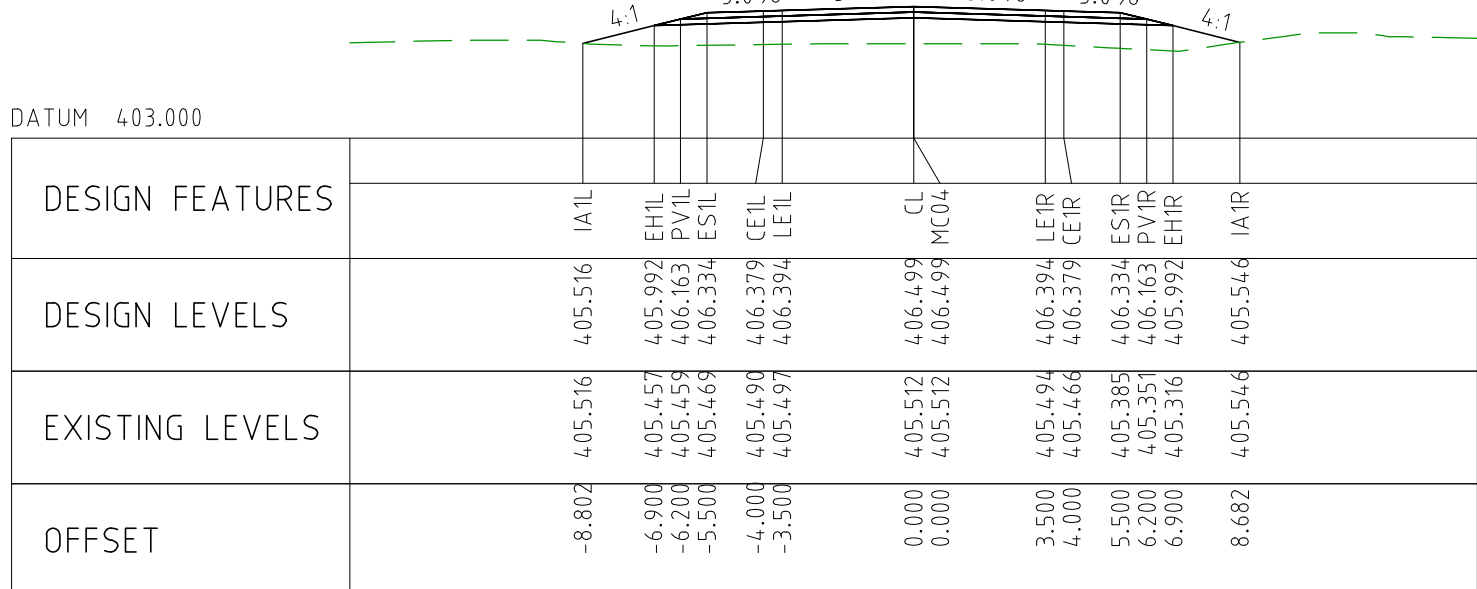
CHAINAGE 104250



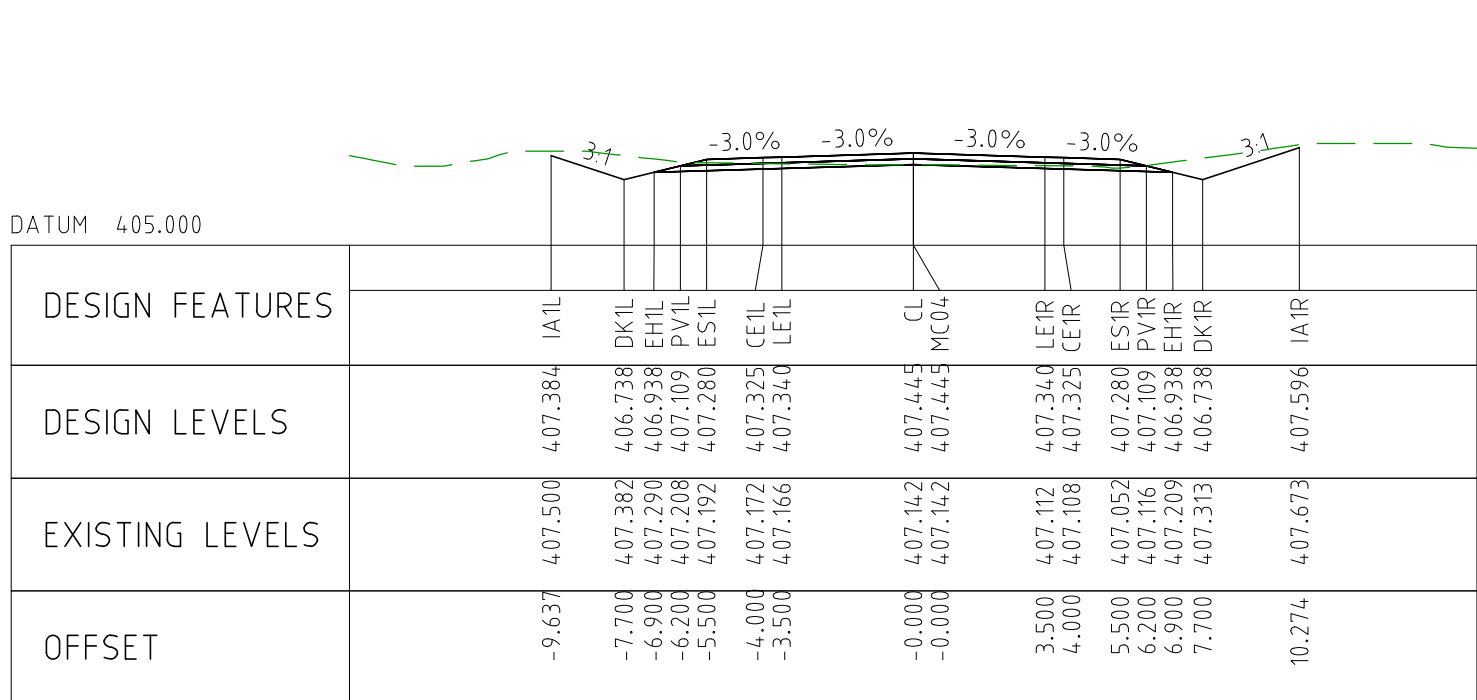
CHAINAGE 104200



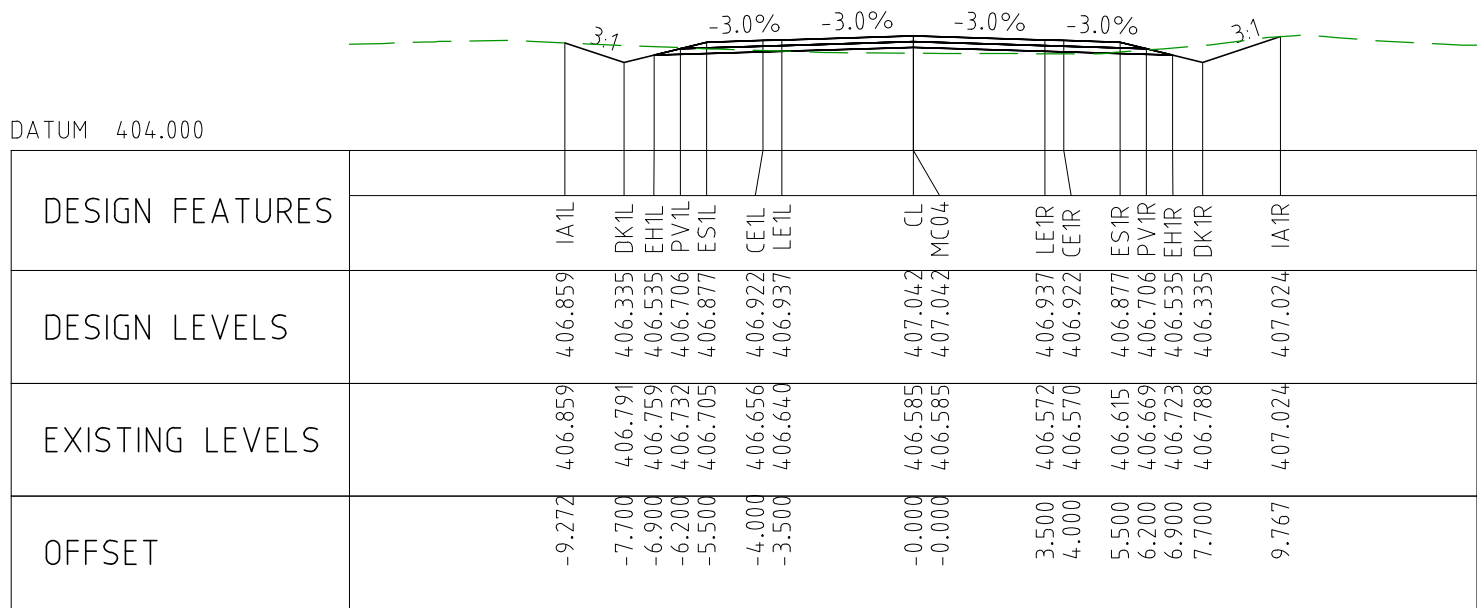
CHAINAGE 104150



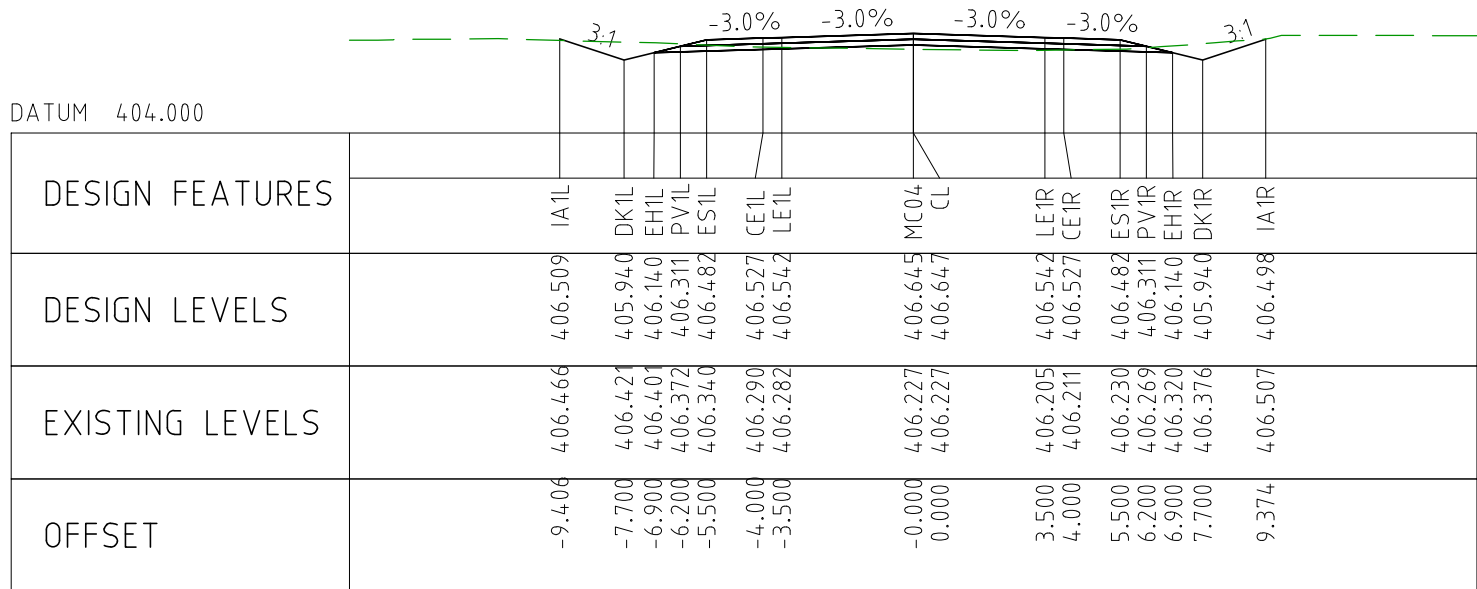
CHAINAGE 104100



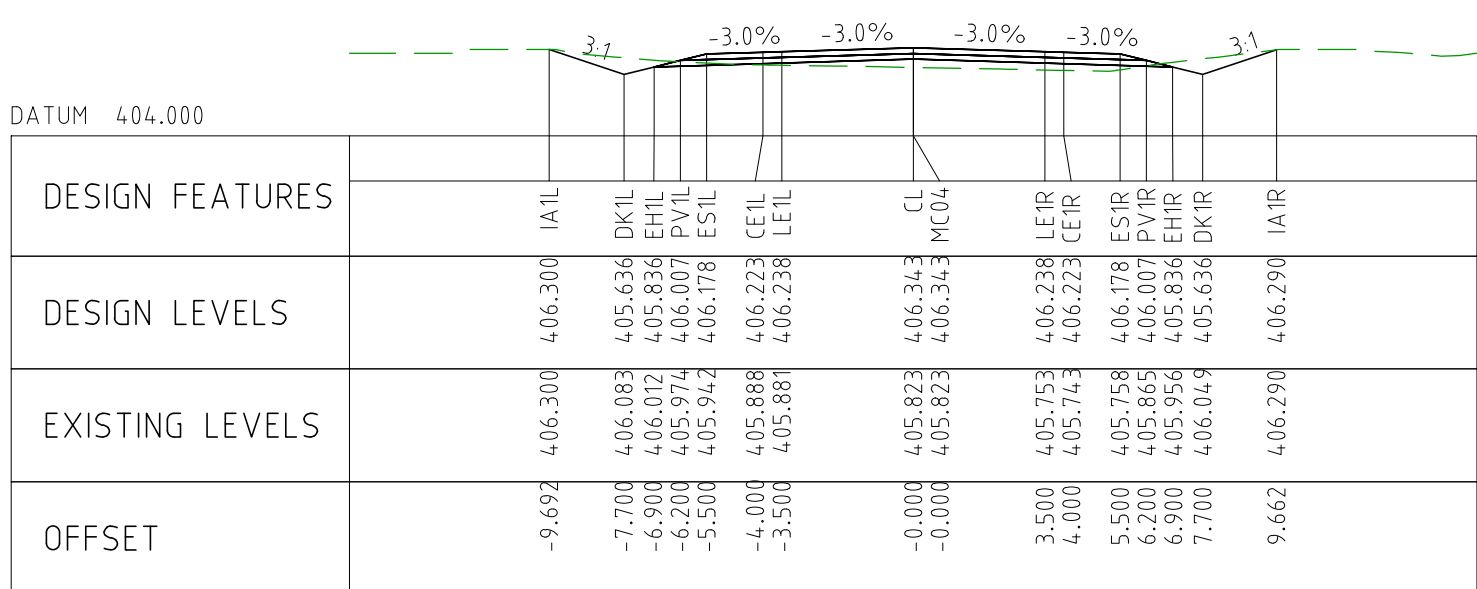
CHAINAGE 104550



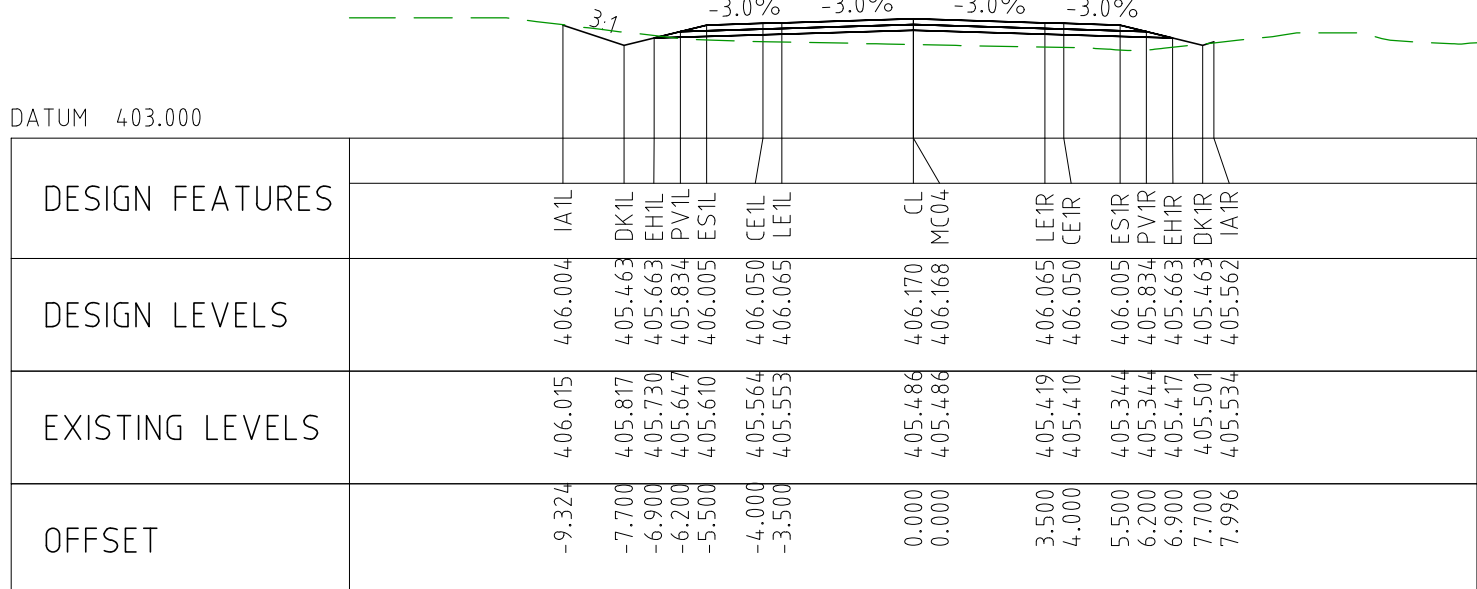
CHAINAGE 104500



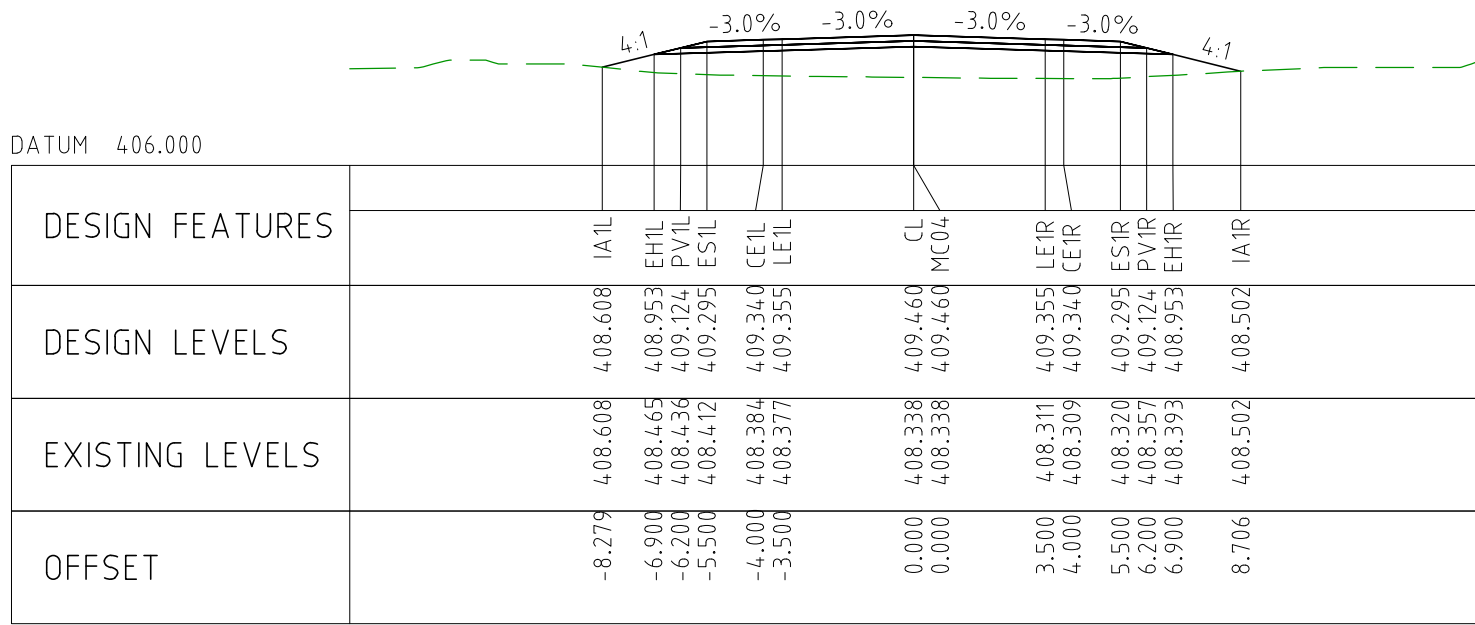
CHAINAGE 104450



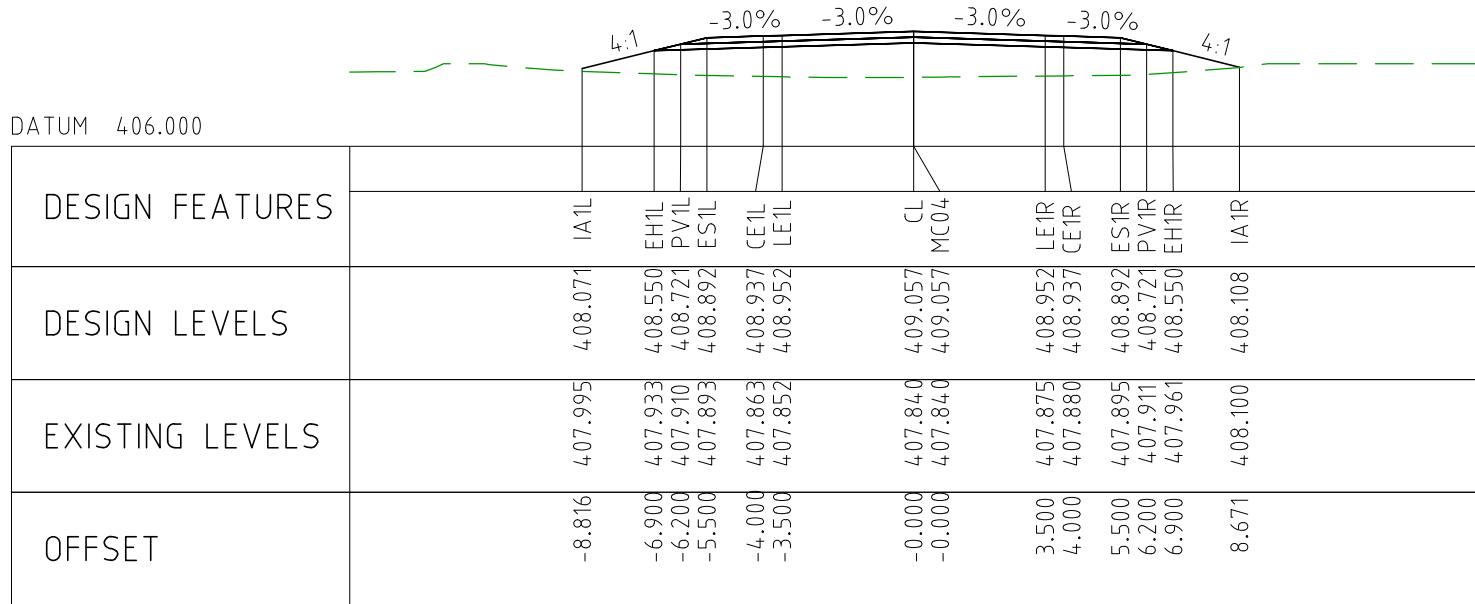
CHAINAGE 104400



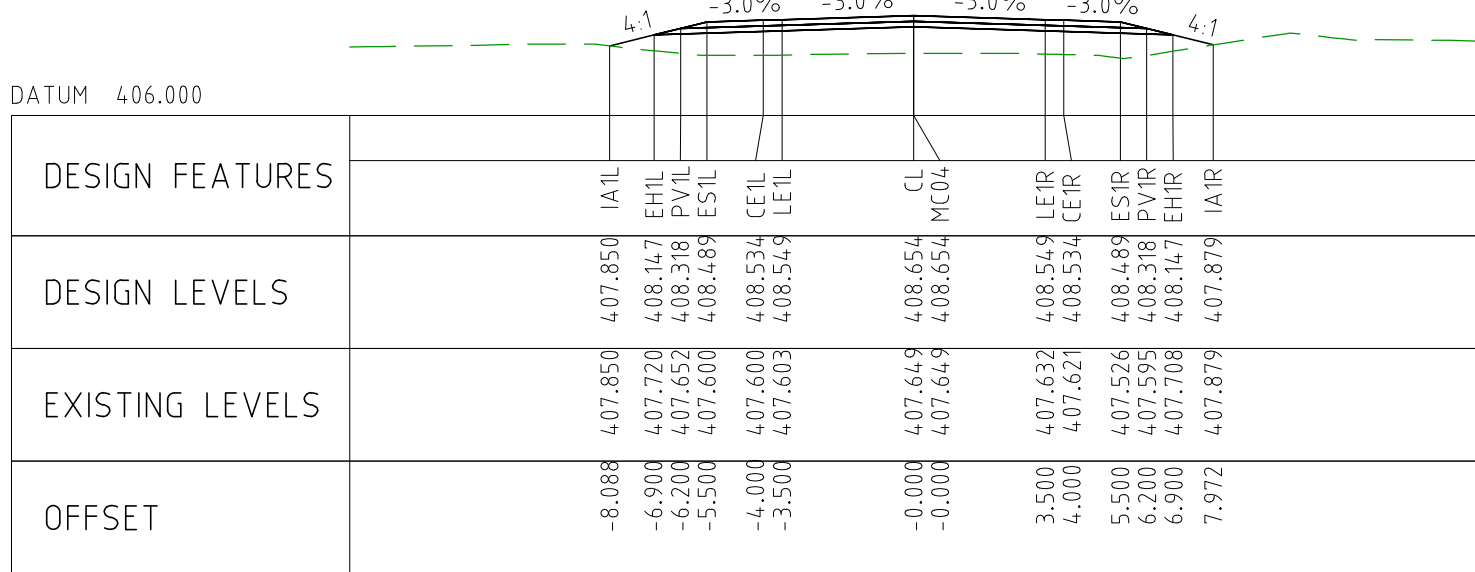
CHAINAGE 104350



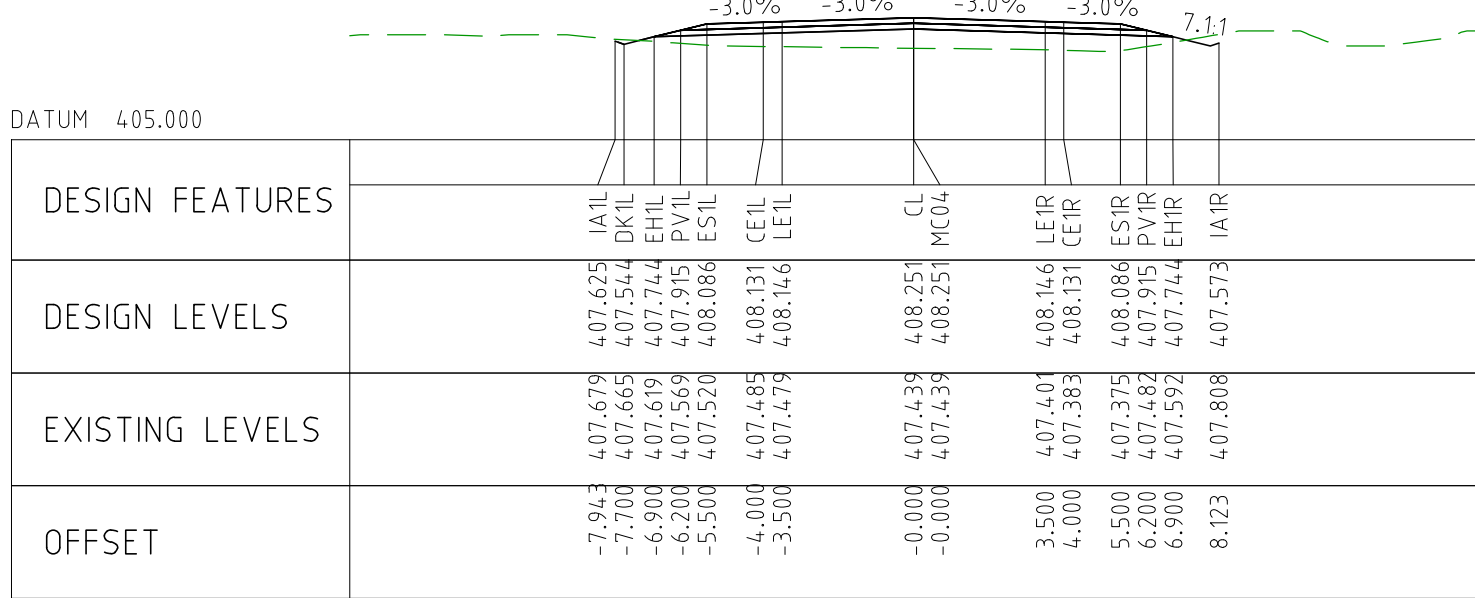
CHAINAGE 104800



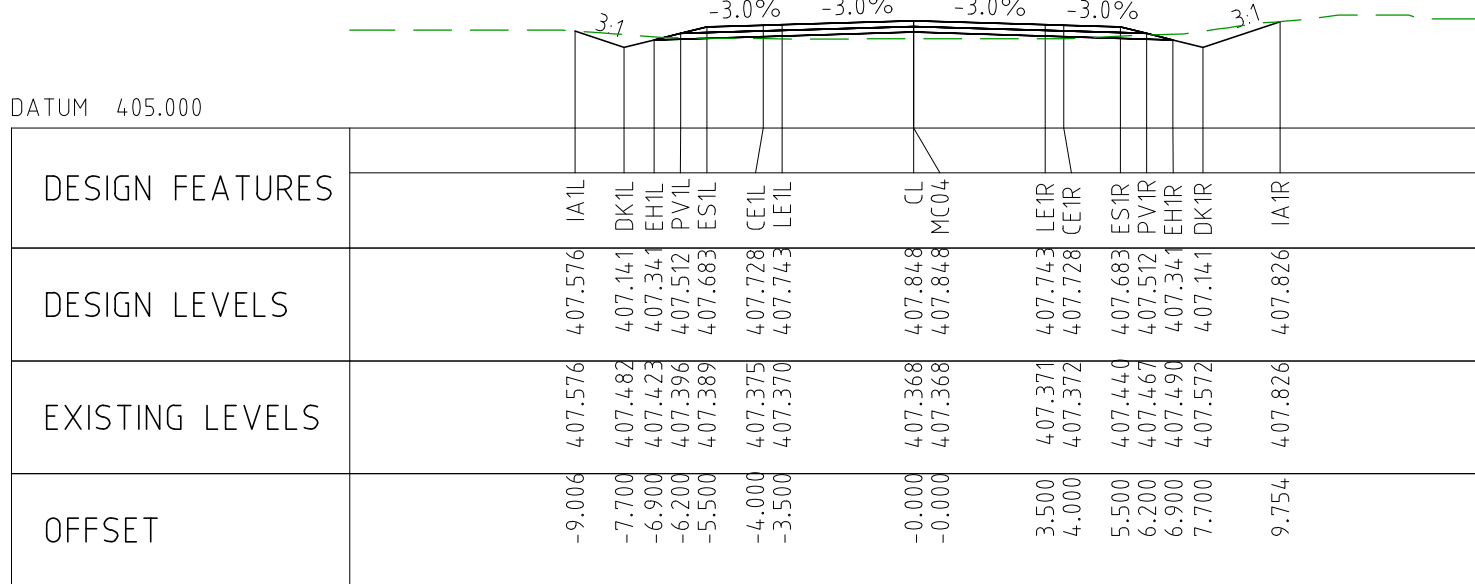
CHAINAGE 104750



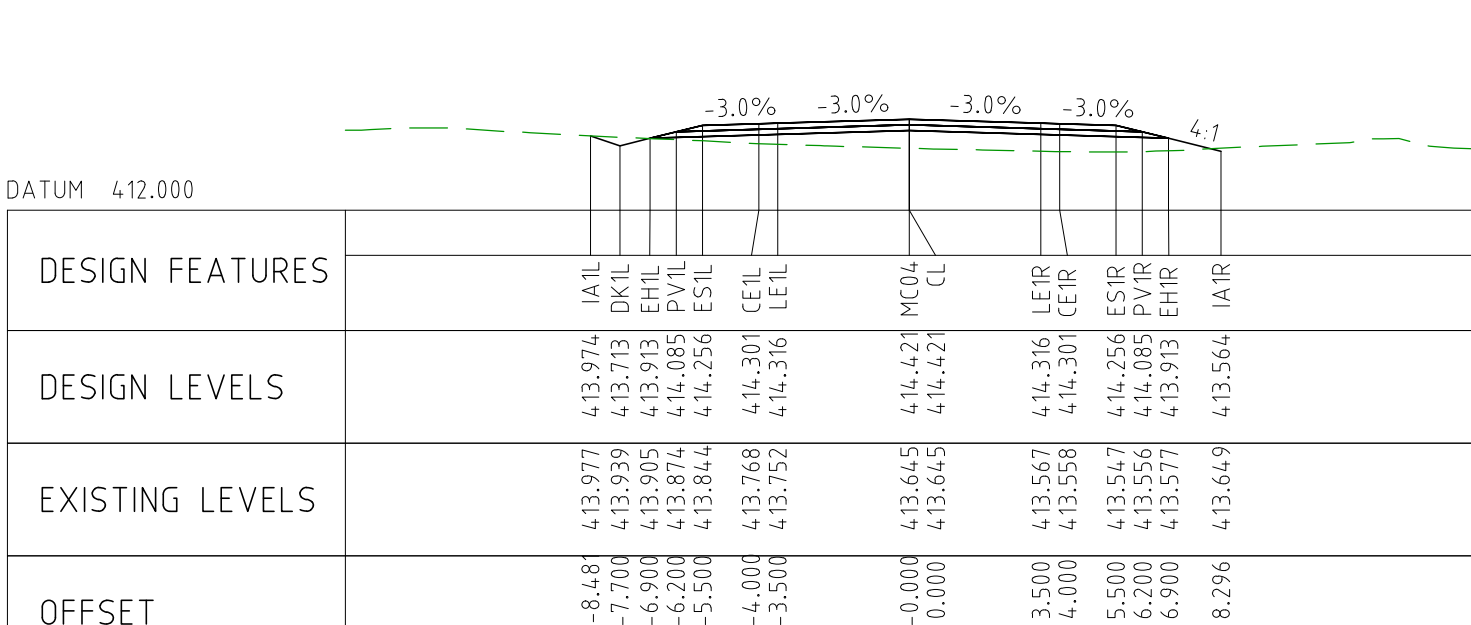
CHAINAGE 104700



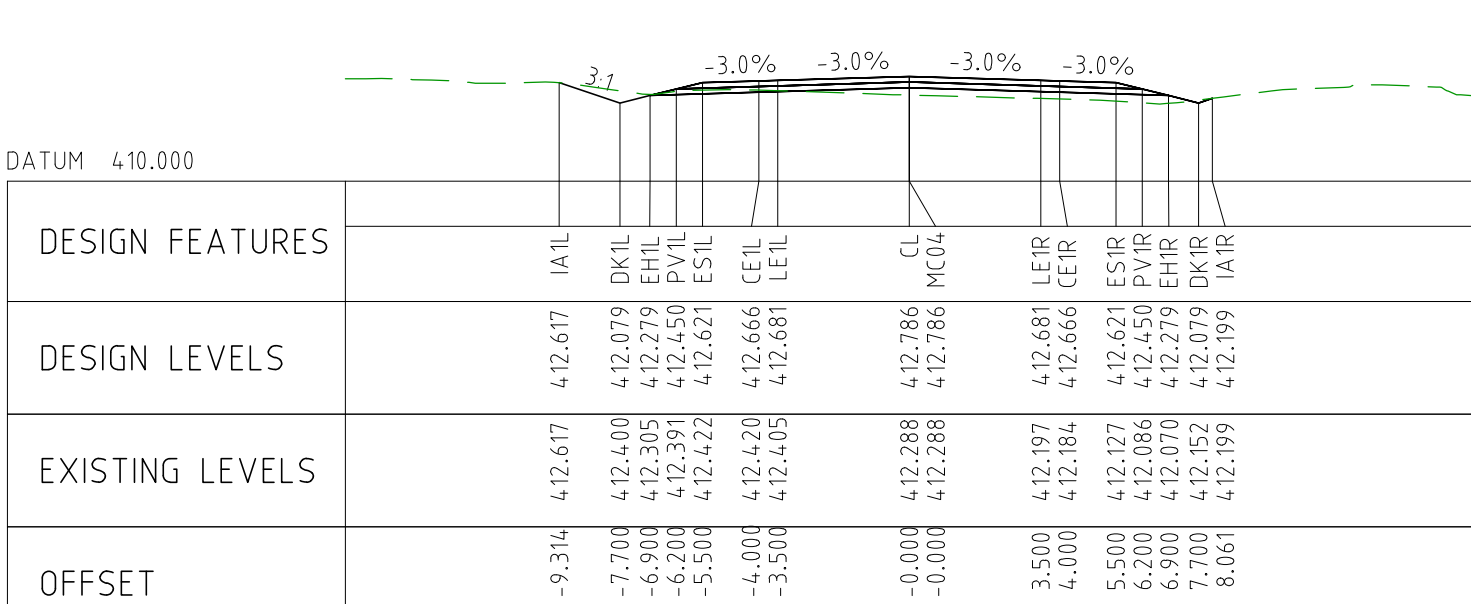
CHAINAGE 104650



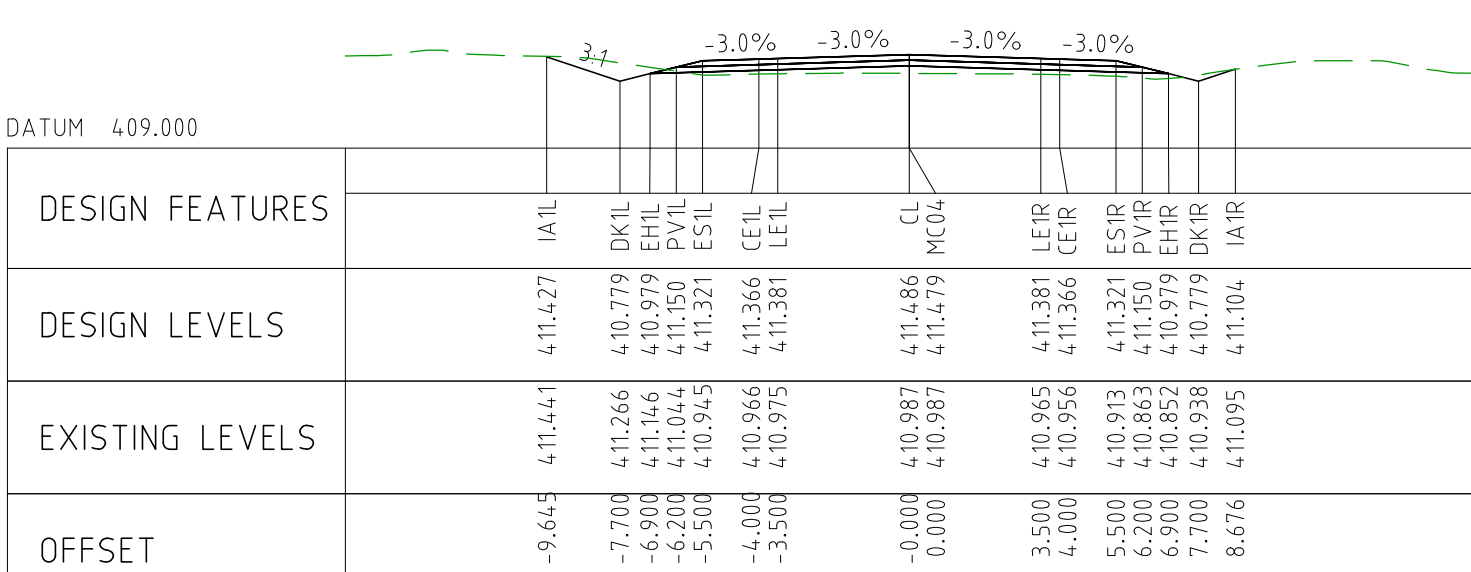
CHAINAGE 104600



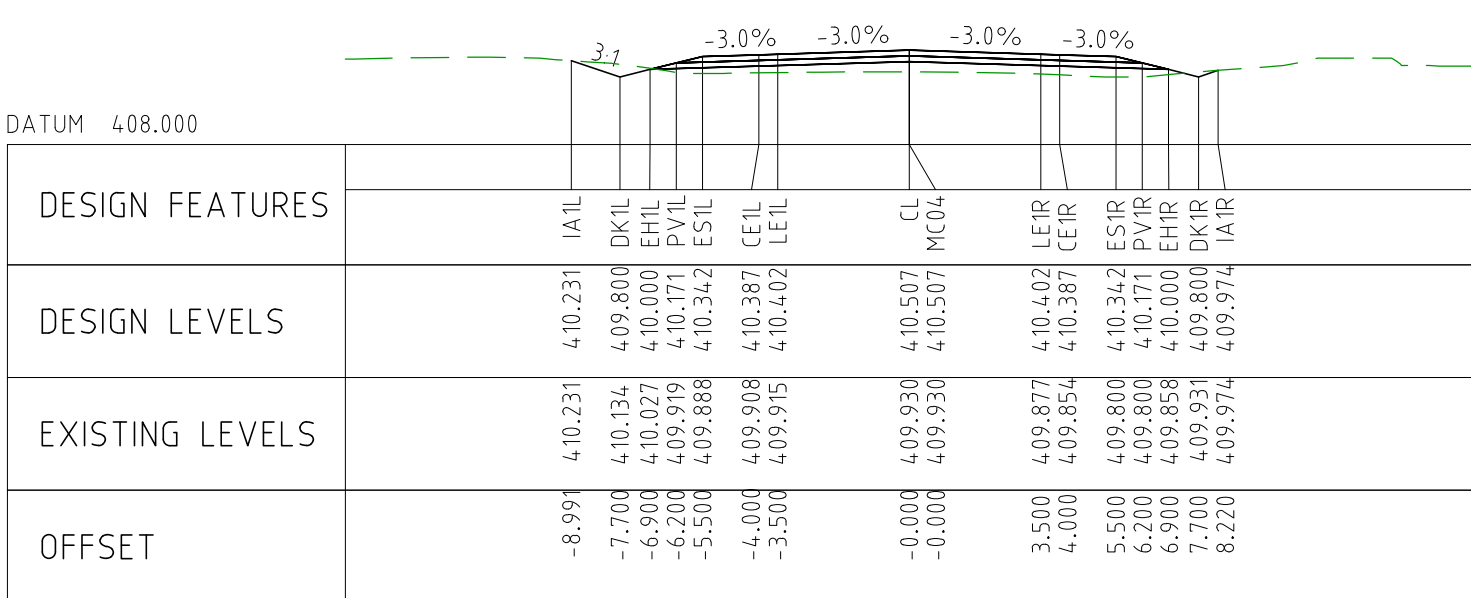
CHAINAGE 105050



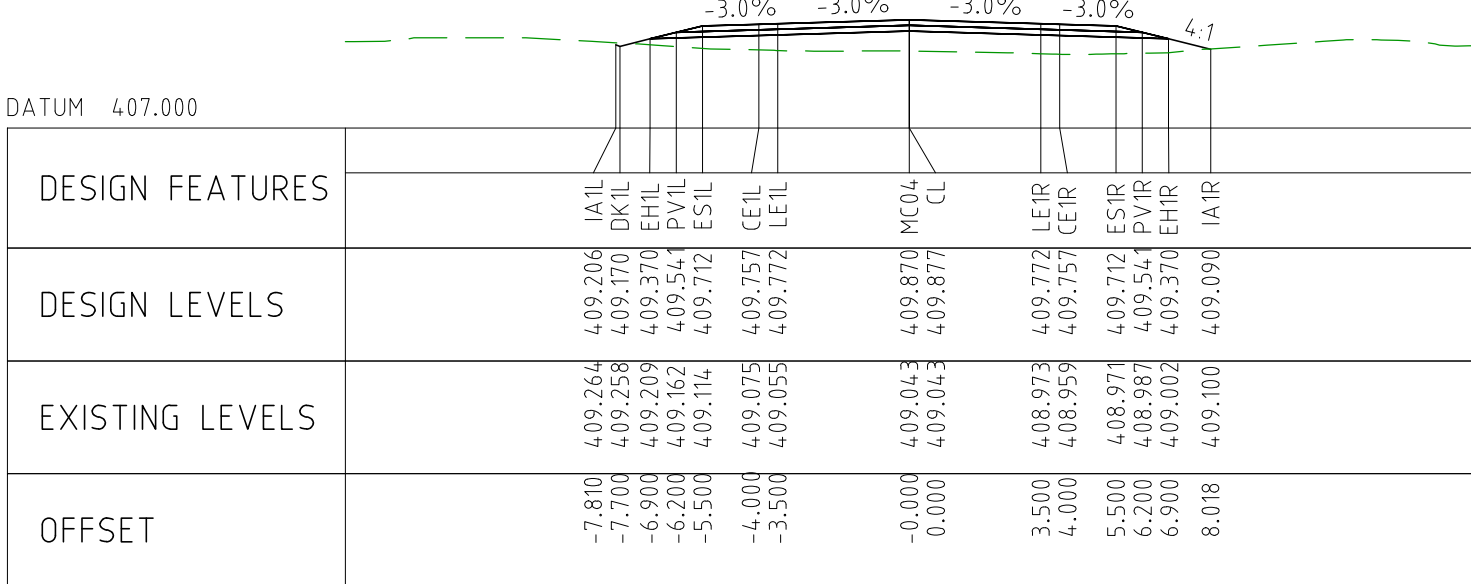
CHAINAGE 105000



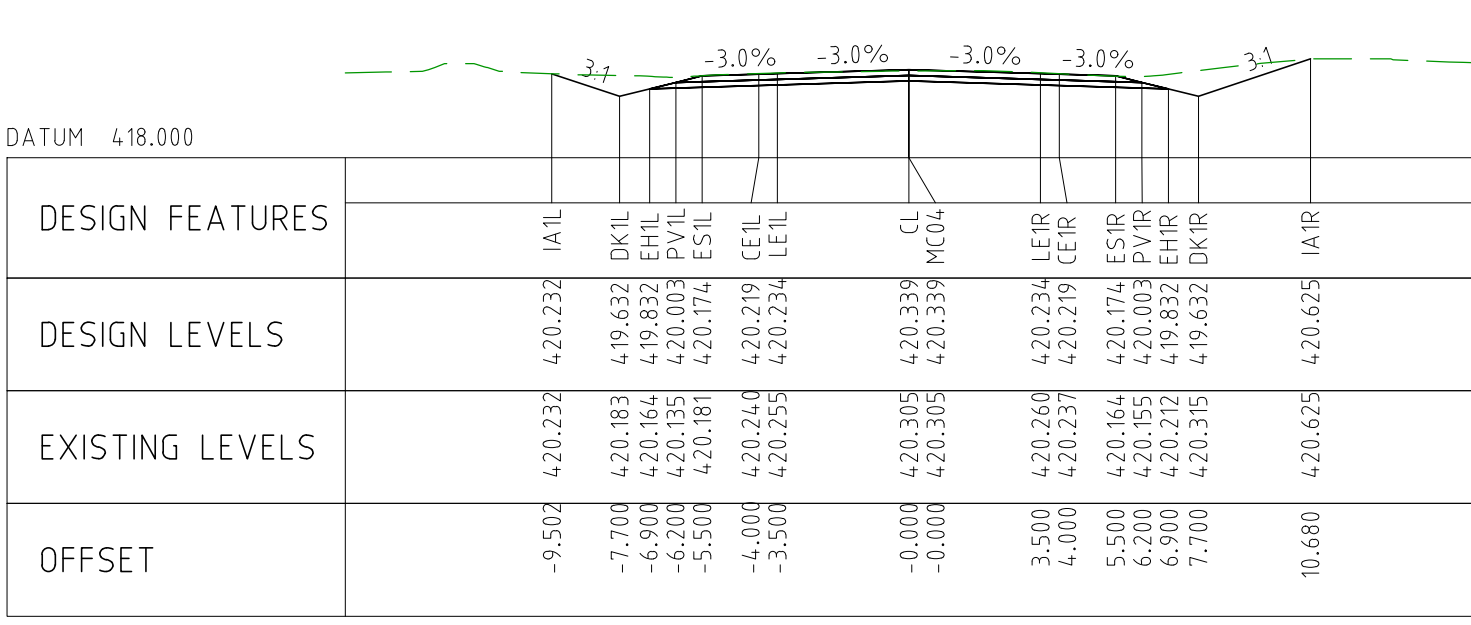
CHAINAGE 104950



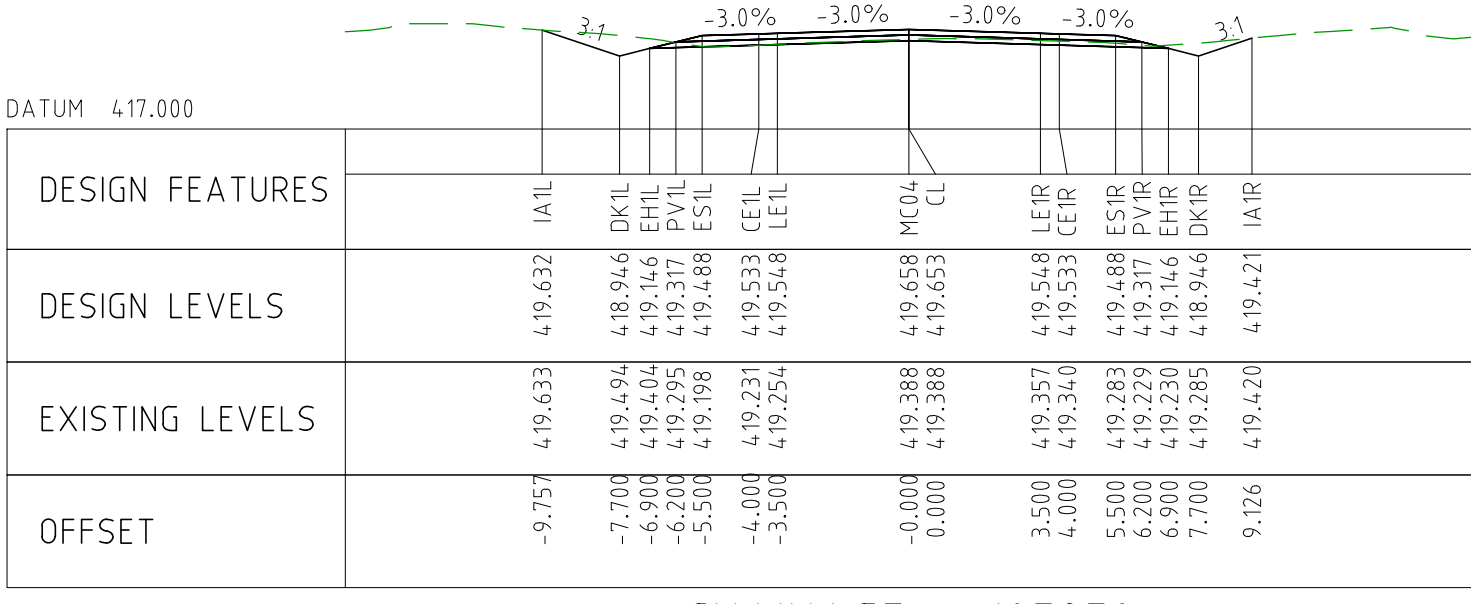
CHAINAGE 104900



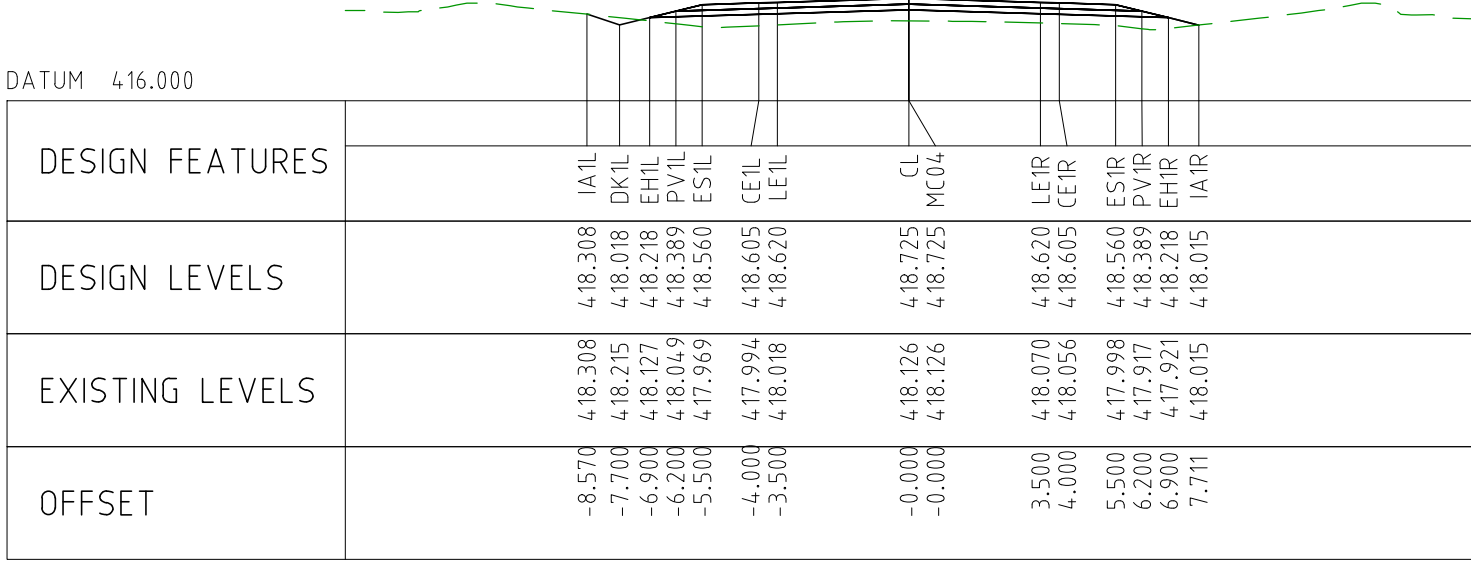
CHAINAGE 104850



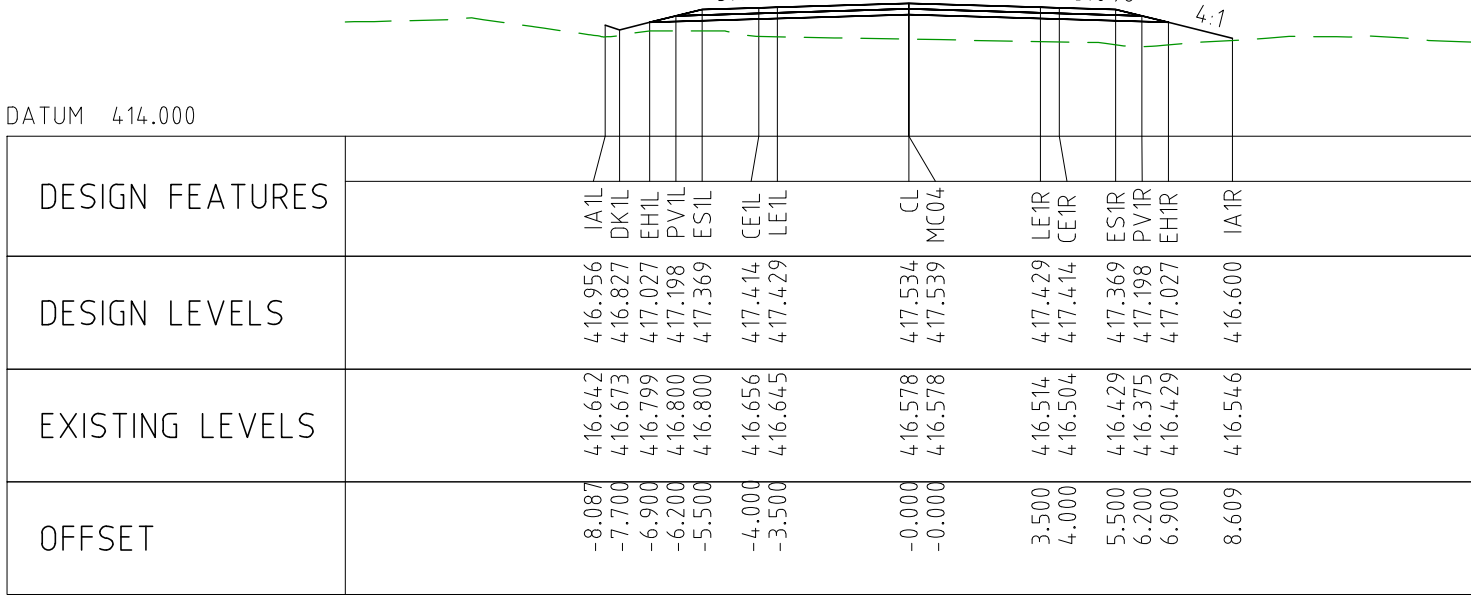
CHAINAGE 105300



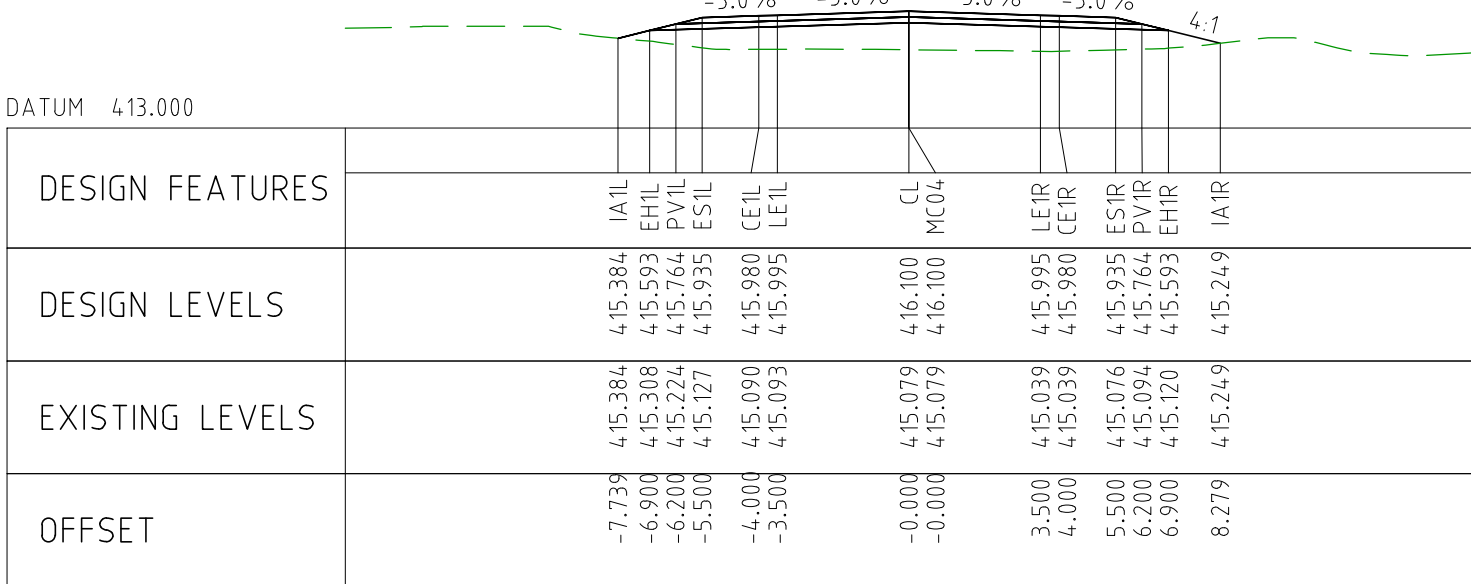
CHAINAGE 105250



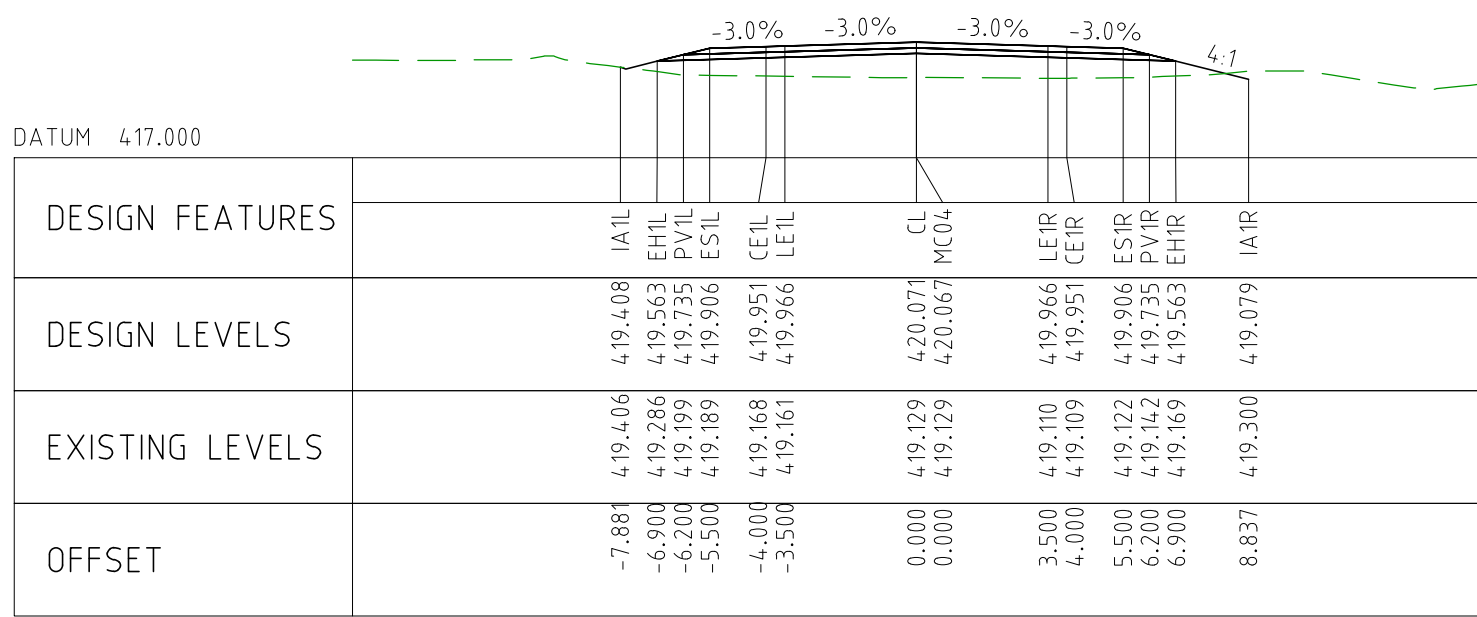
CHAINAGE 105200



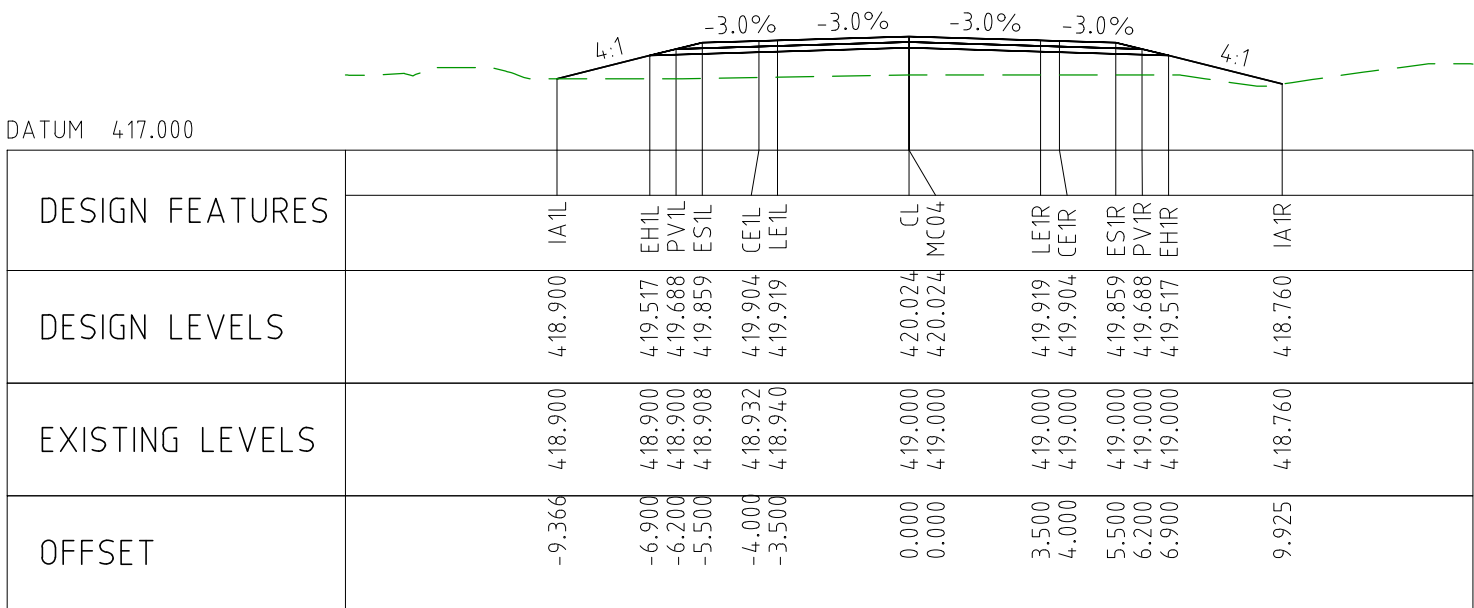
CHAINAGE 105150



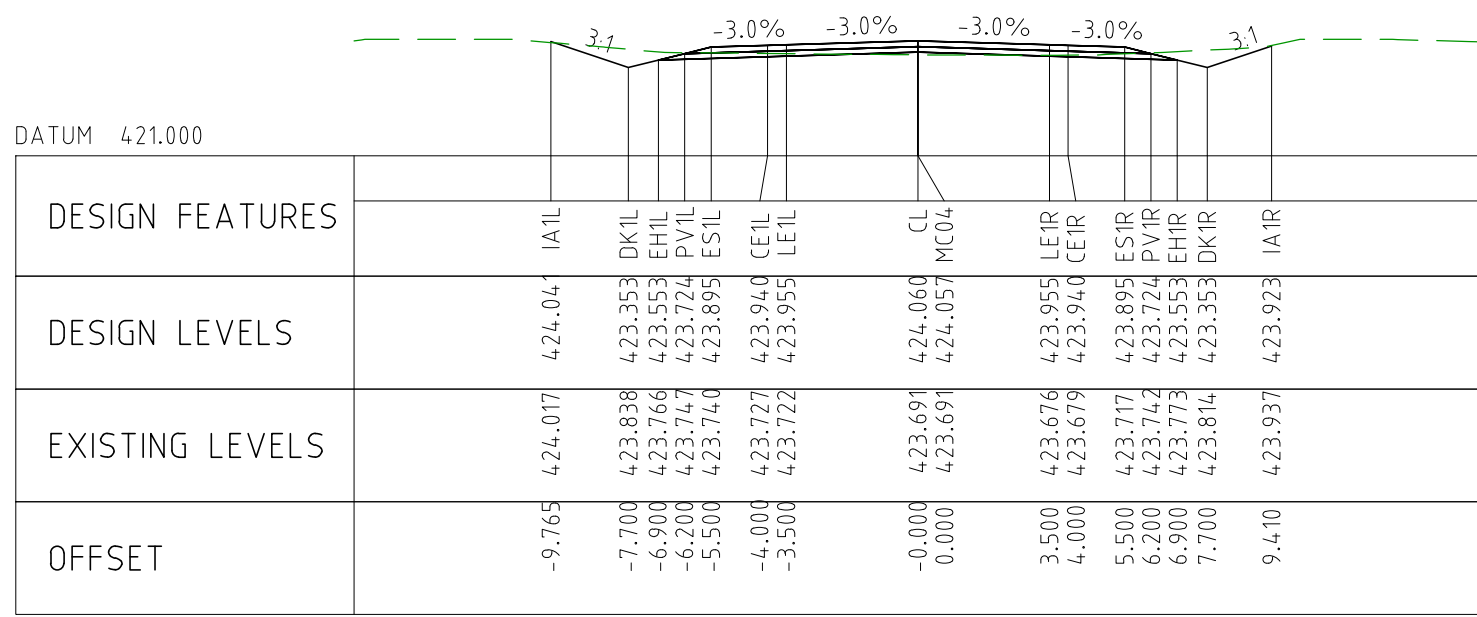
CHAINAGE 105100



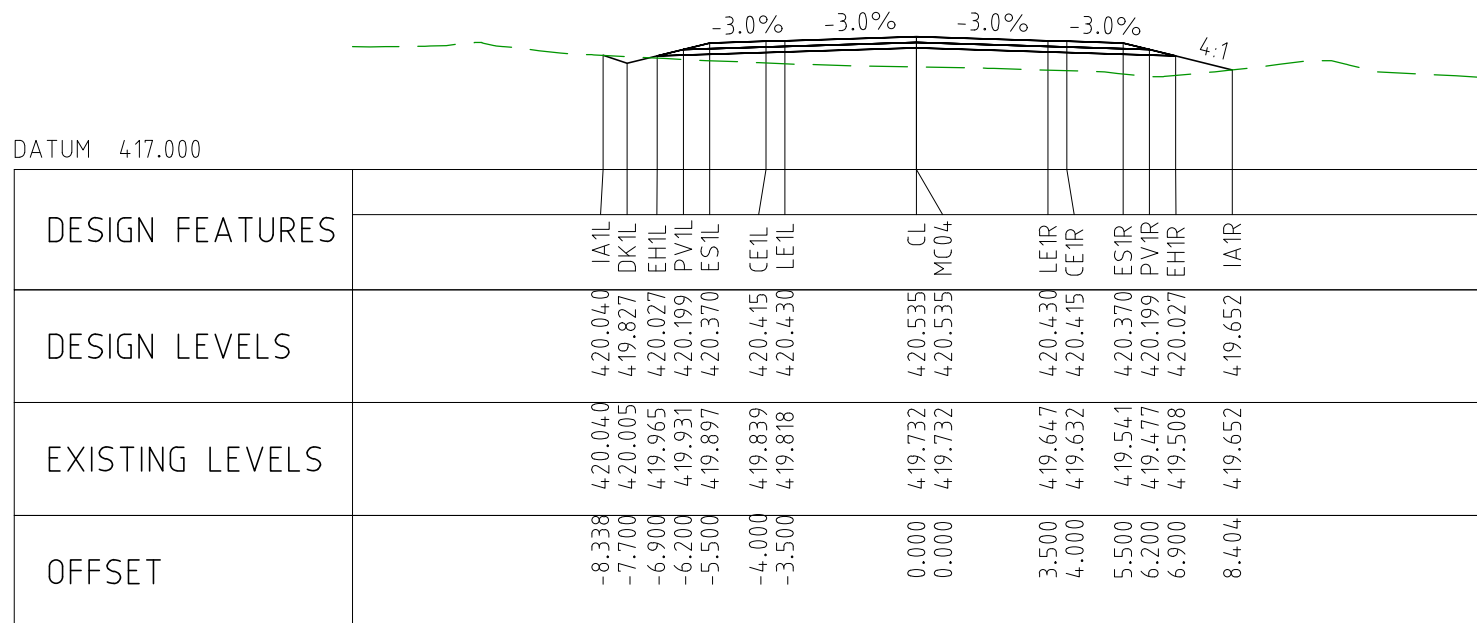
CHAINAGE 105550



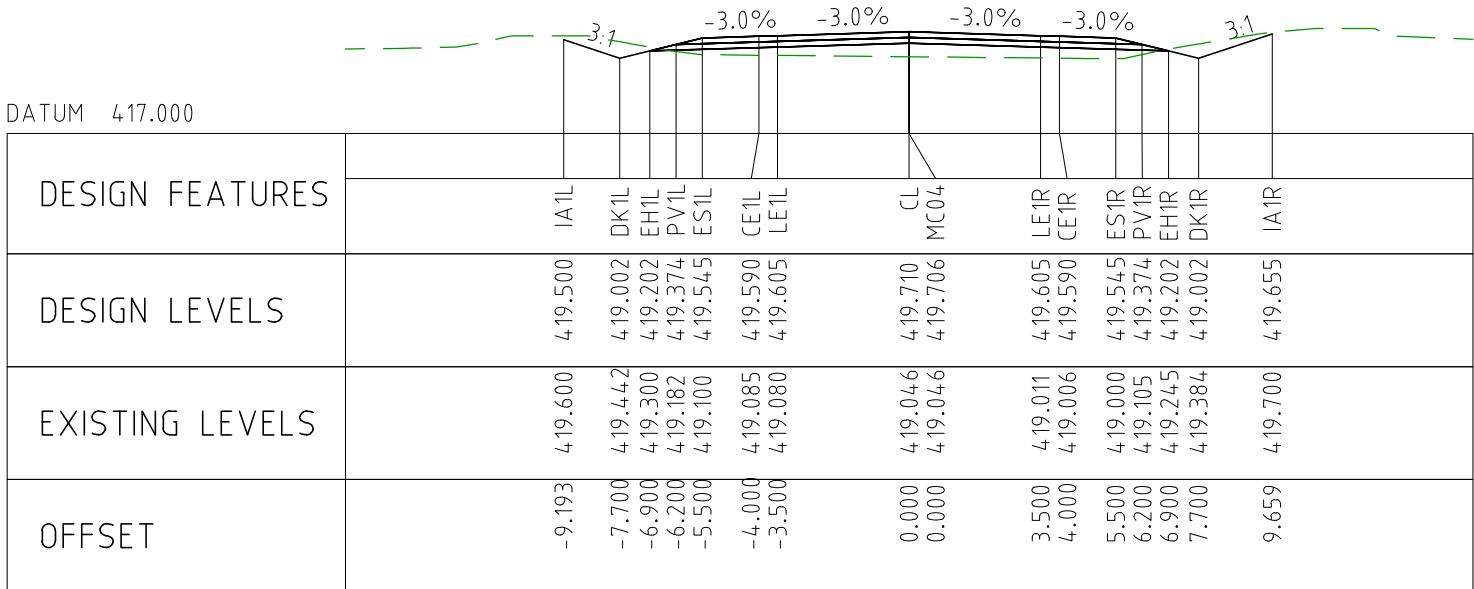
CHAINAGE 105800



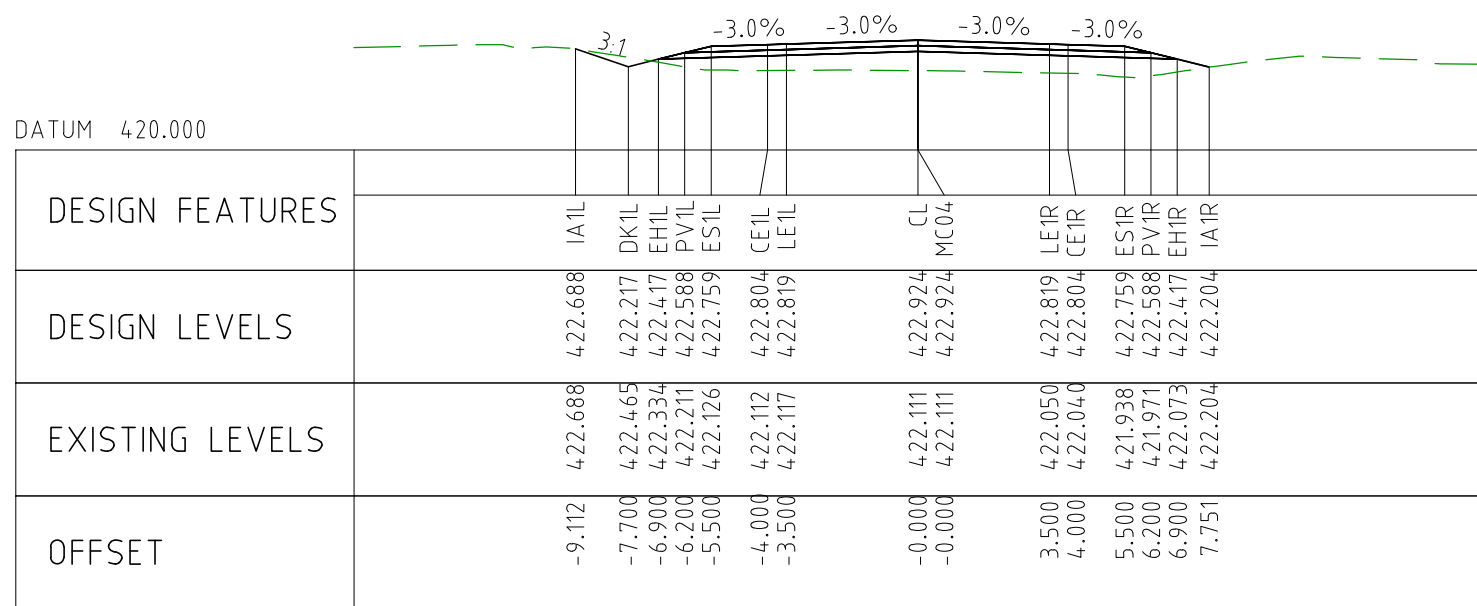
CHAINAGE 106050



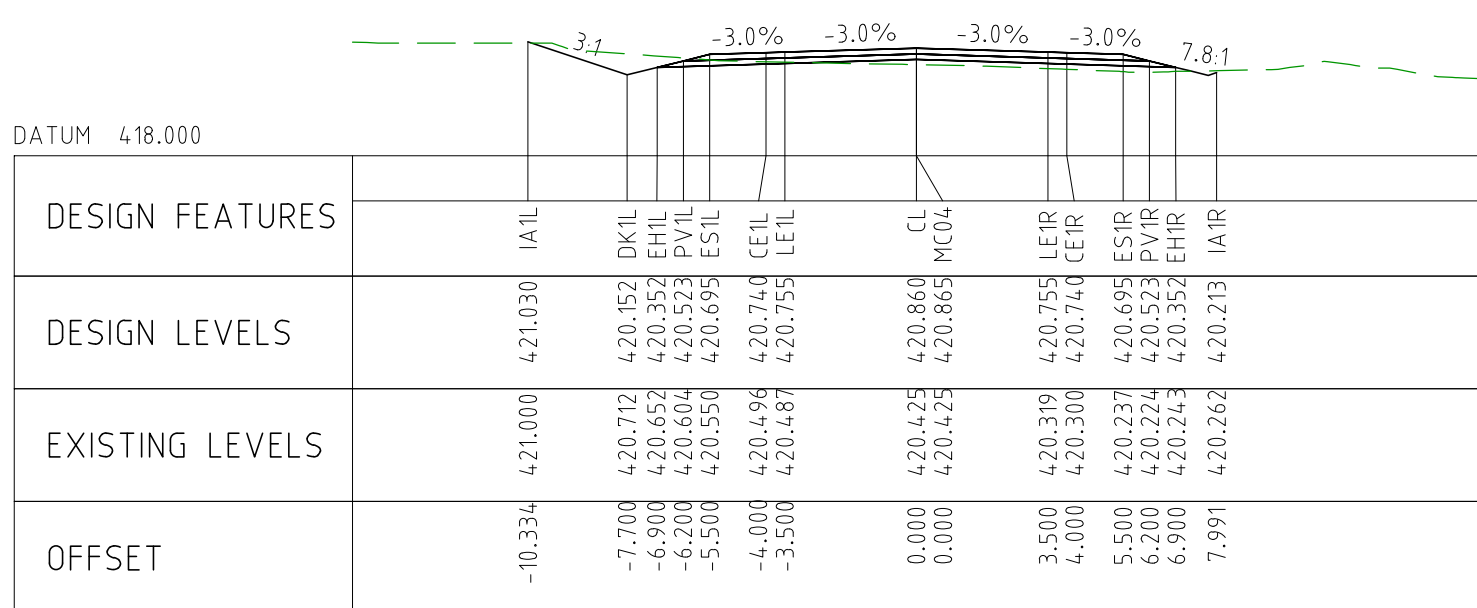
CHAINAGE 105500



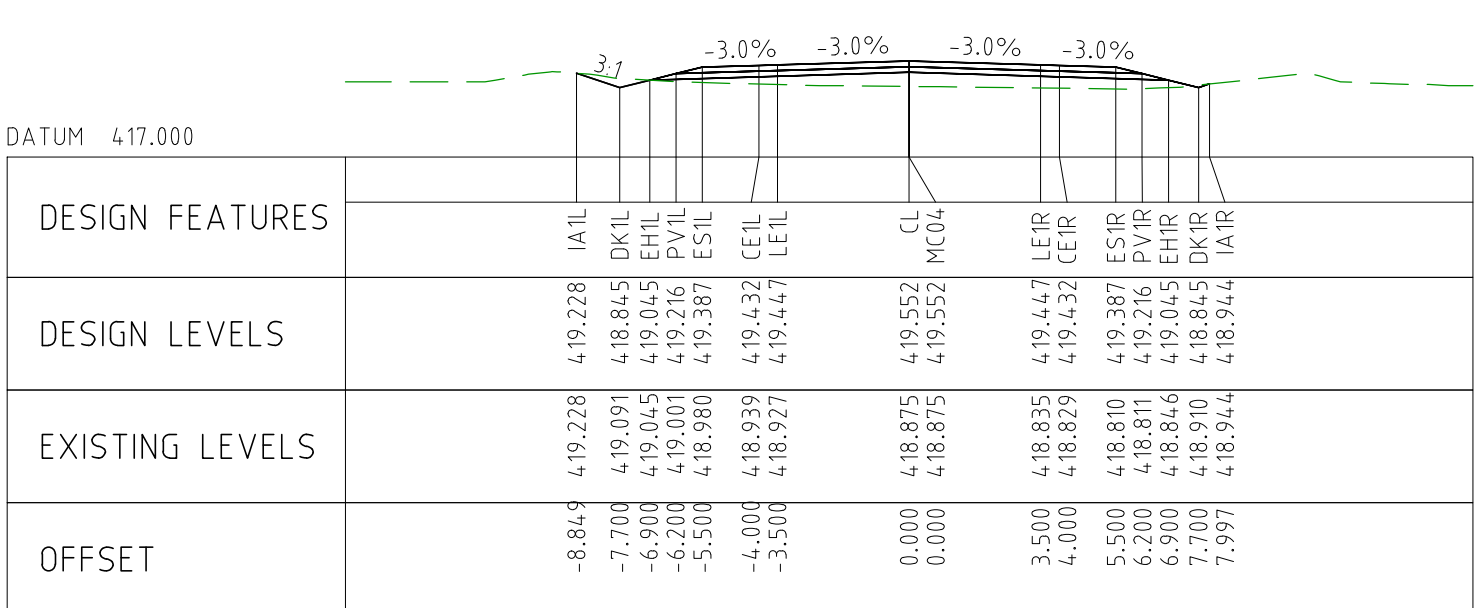
CHAINAGE 105750



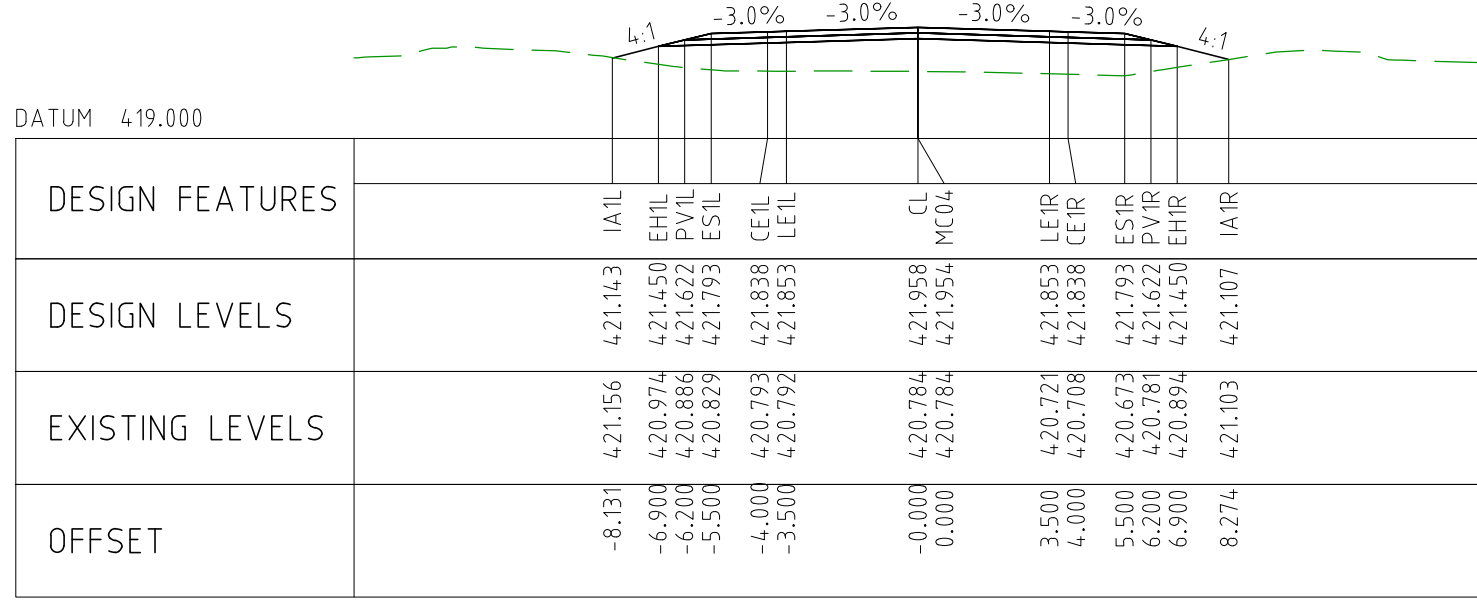
CHAINAGE 106000



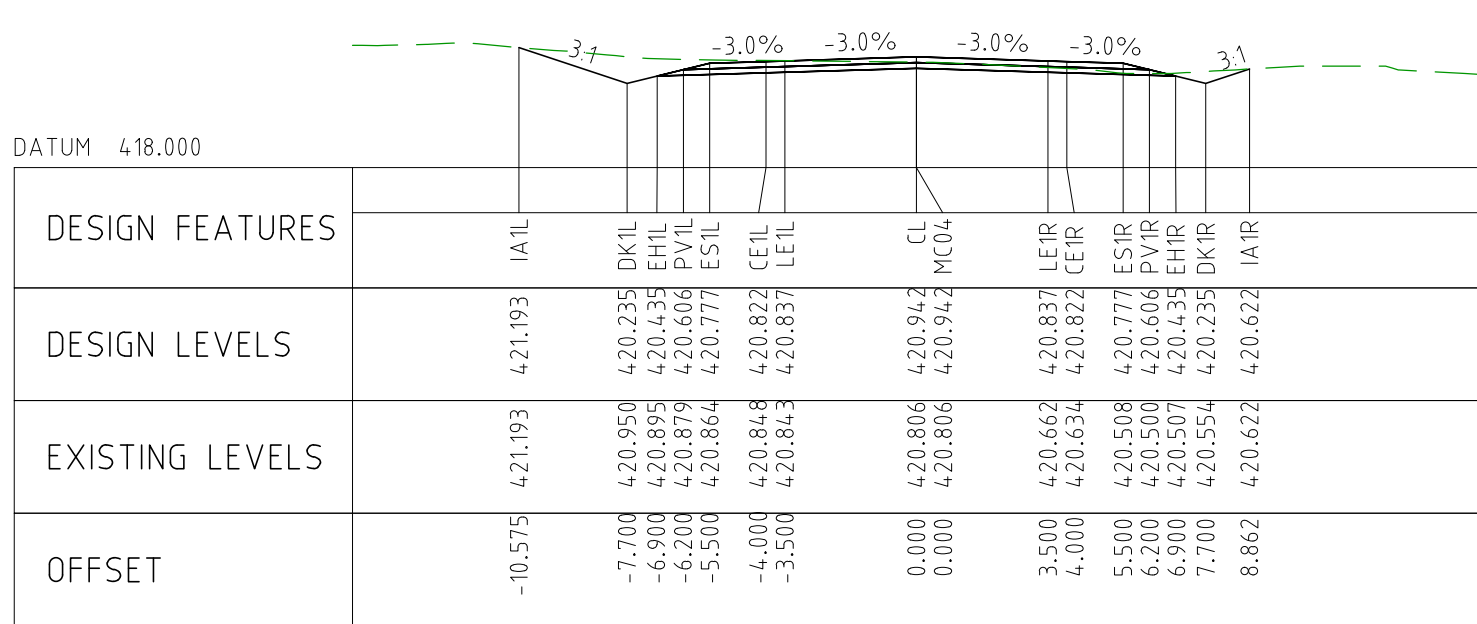
CHAINAGE 105450



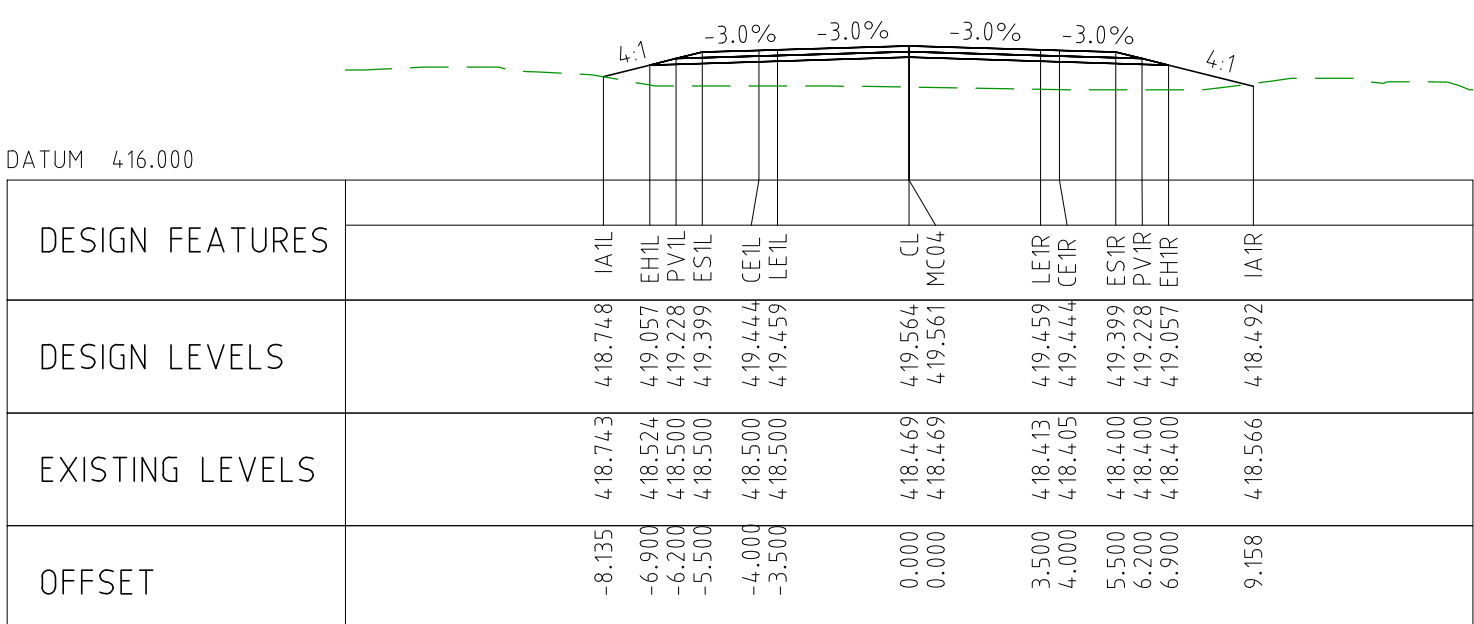
CHAINAGE 105700



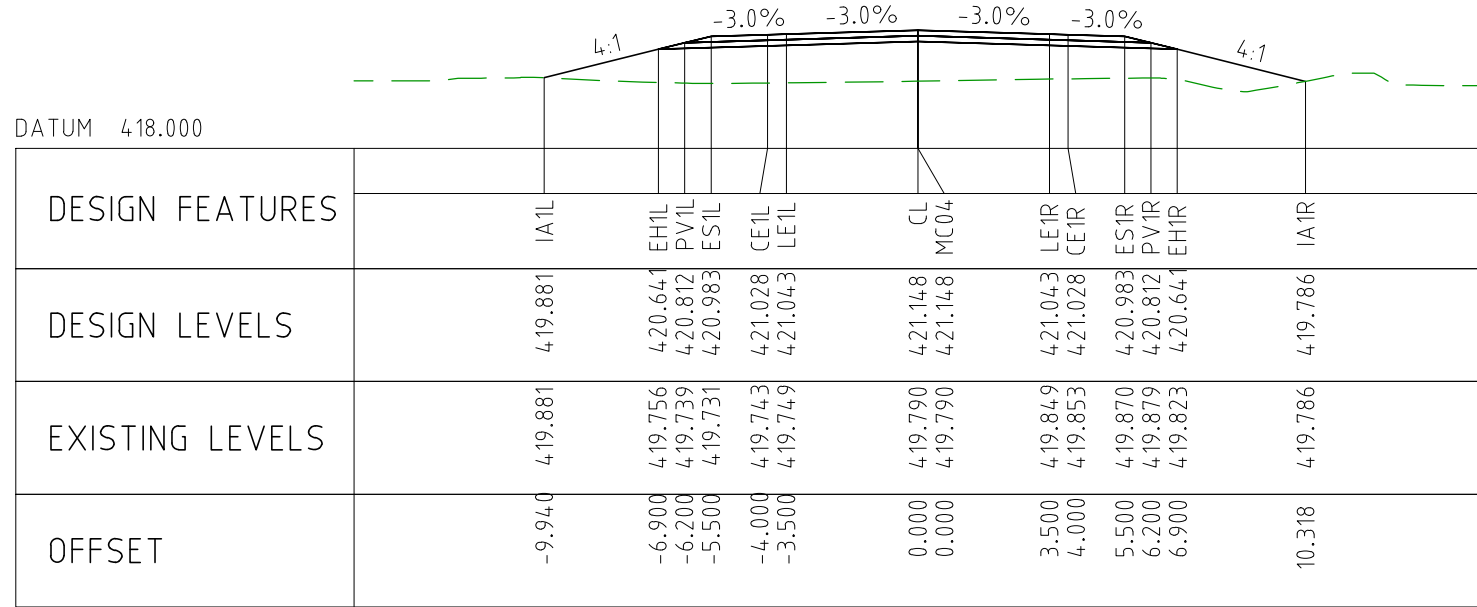
CHAINAGE 105950



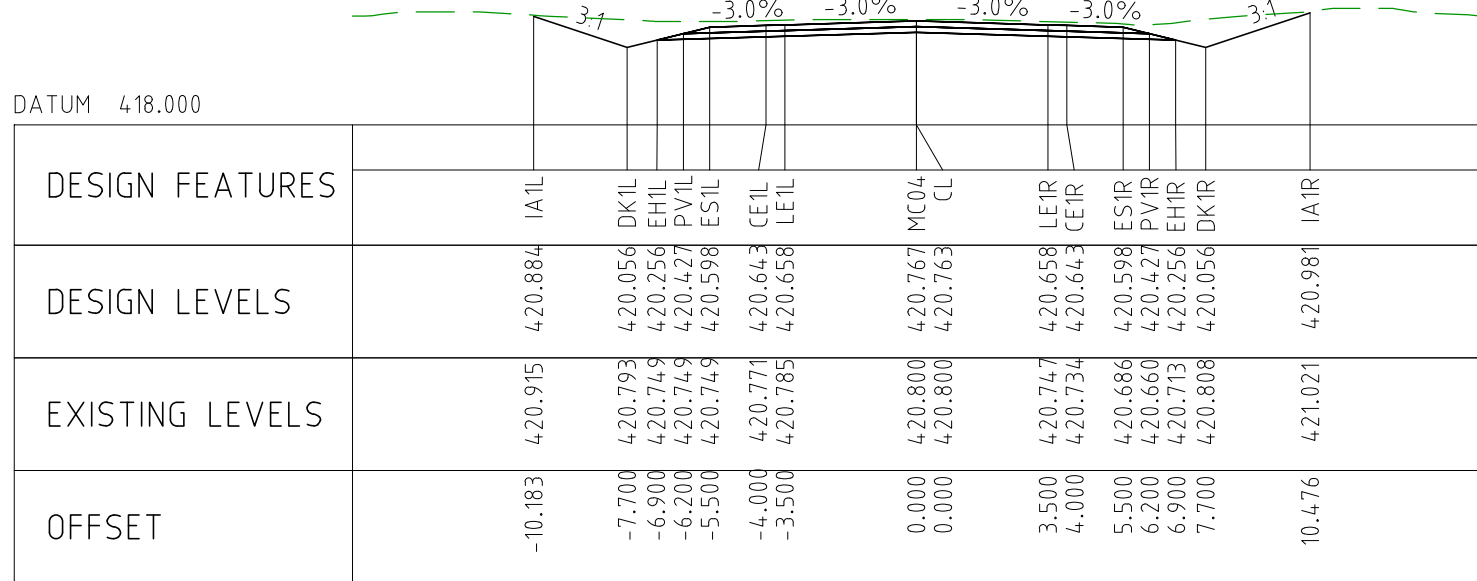
CHAINAGE 105400



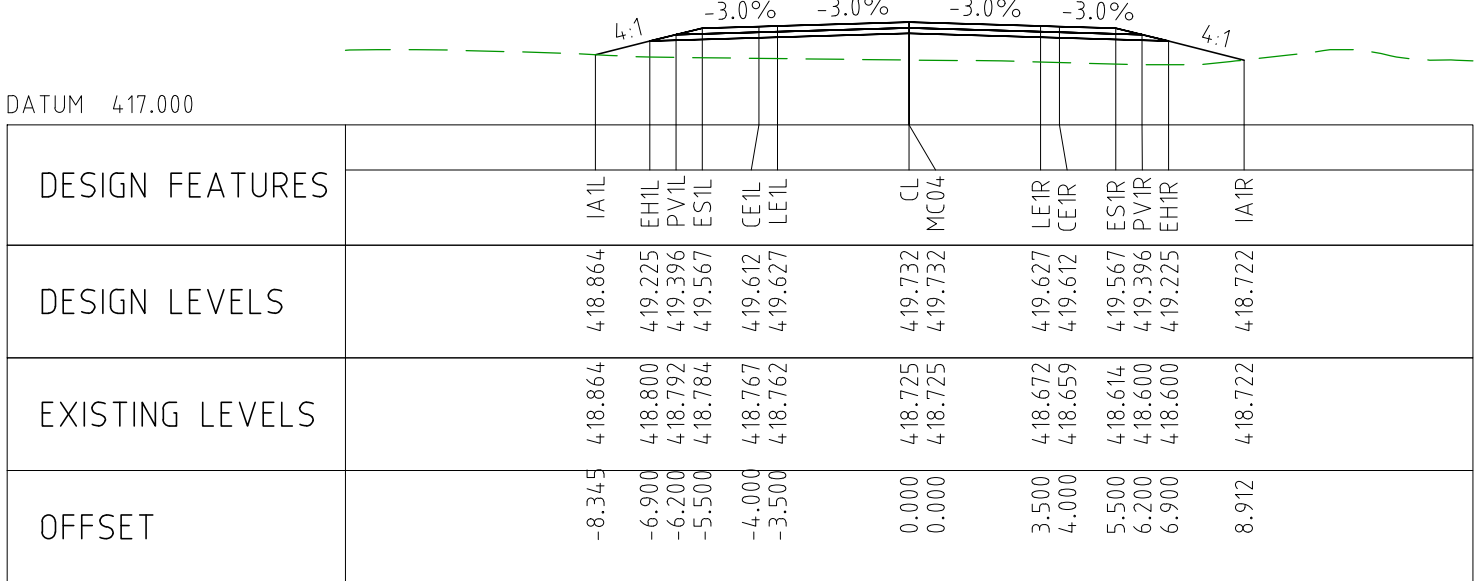
CHAINAGE 105650



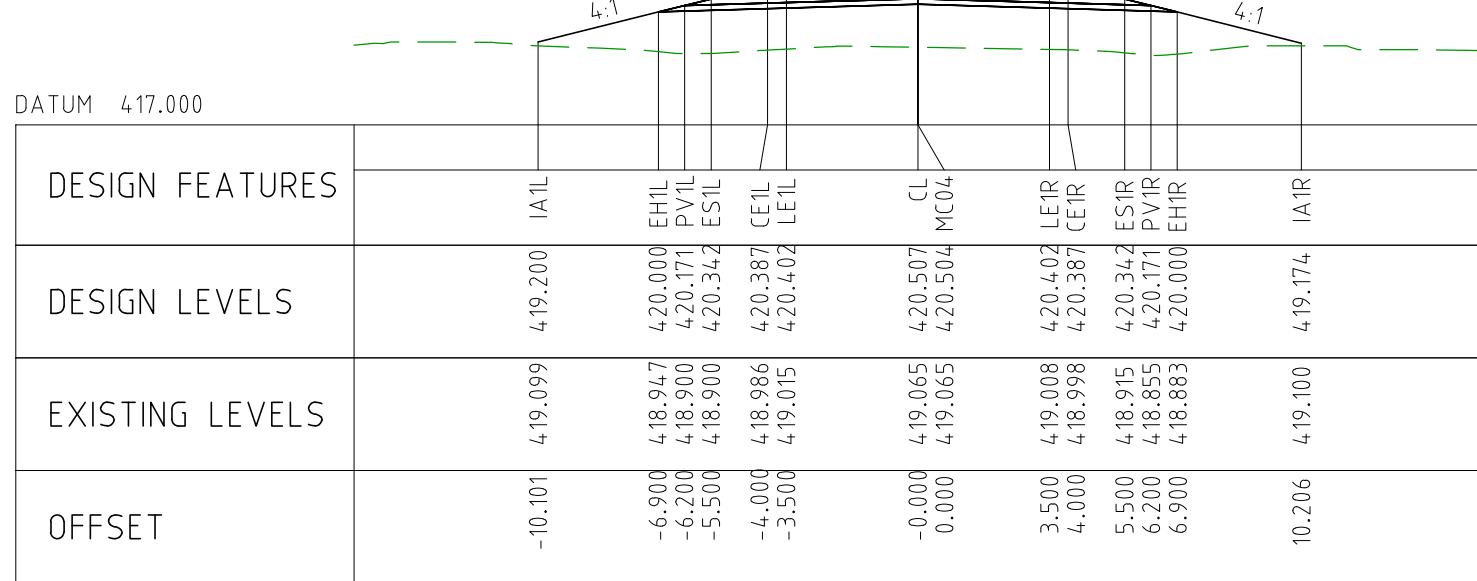
CHAINAGE 105900



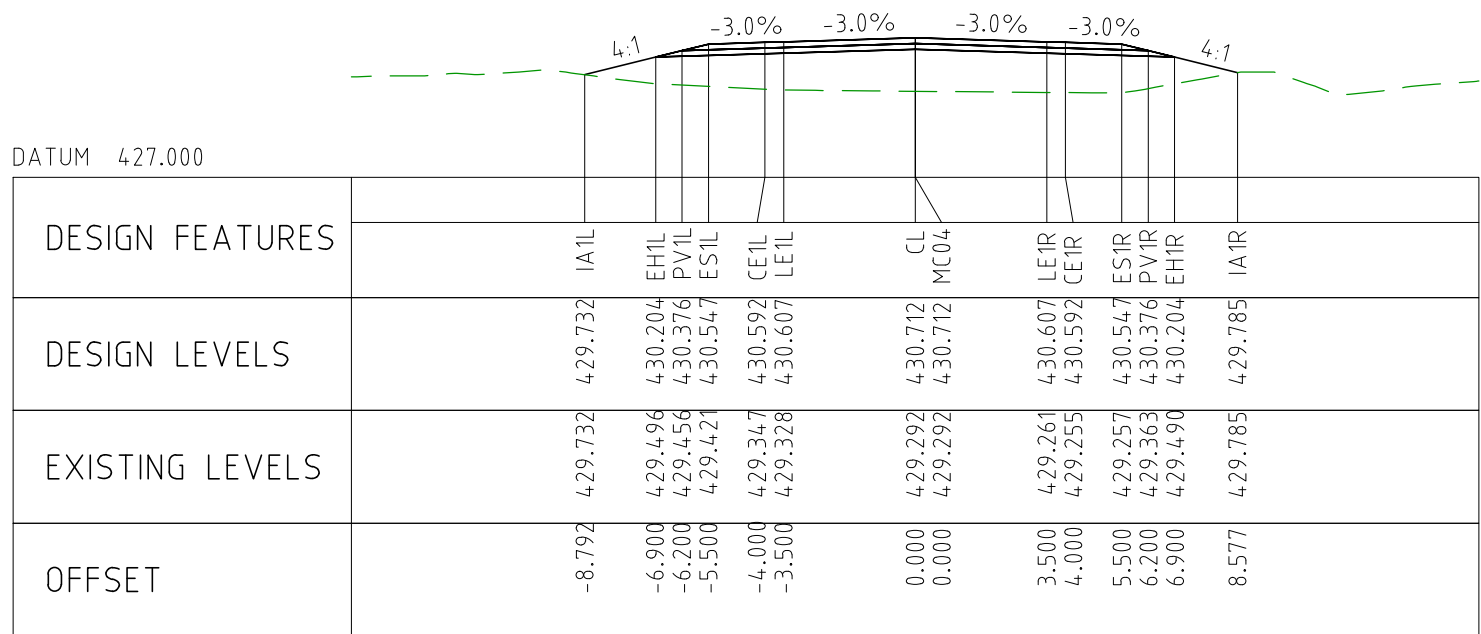
CHAINAGE 105350



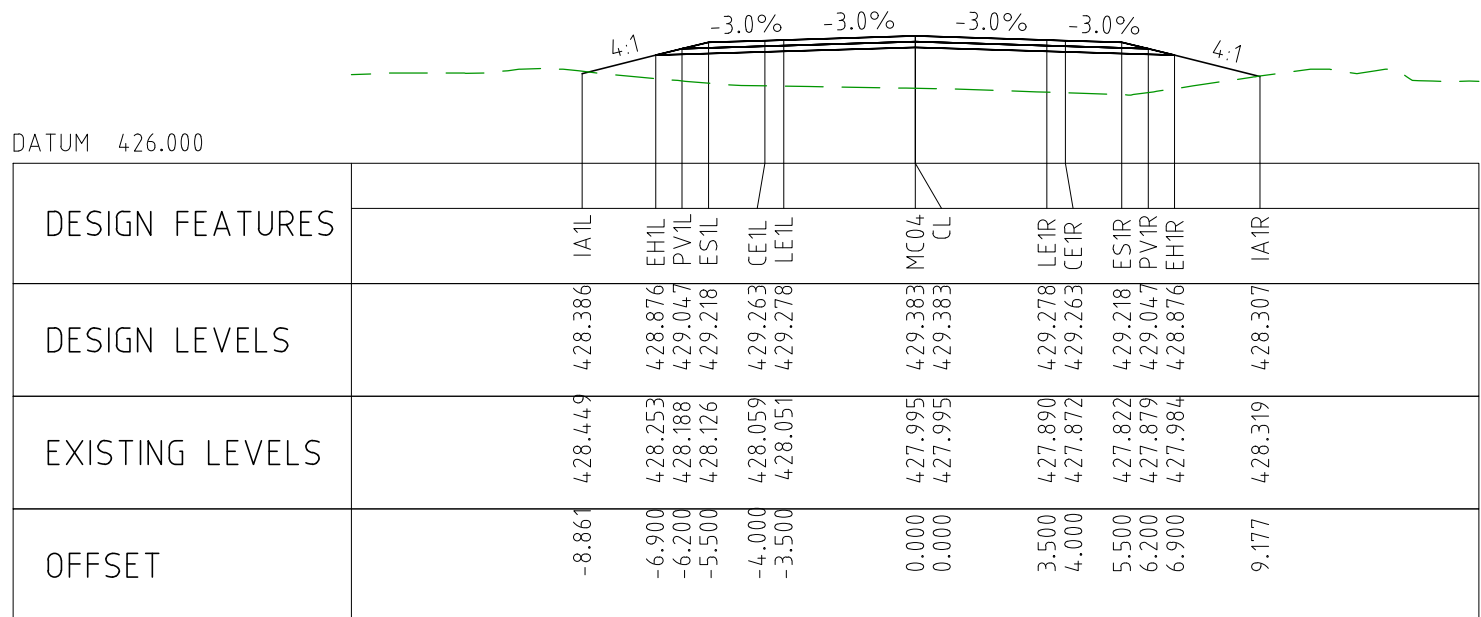
CHAINAGE 105600



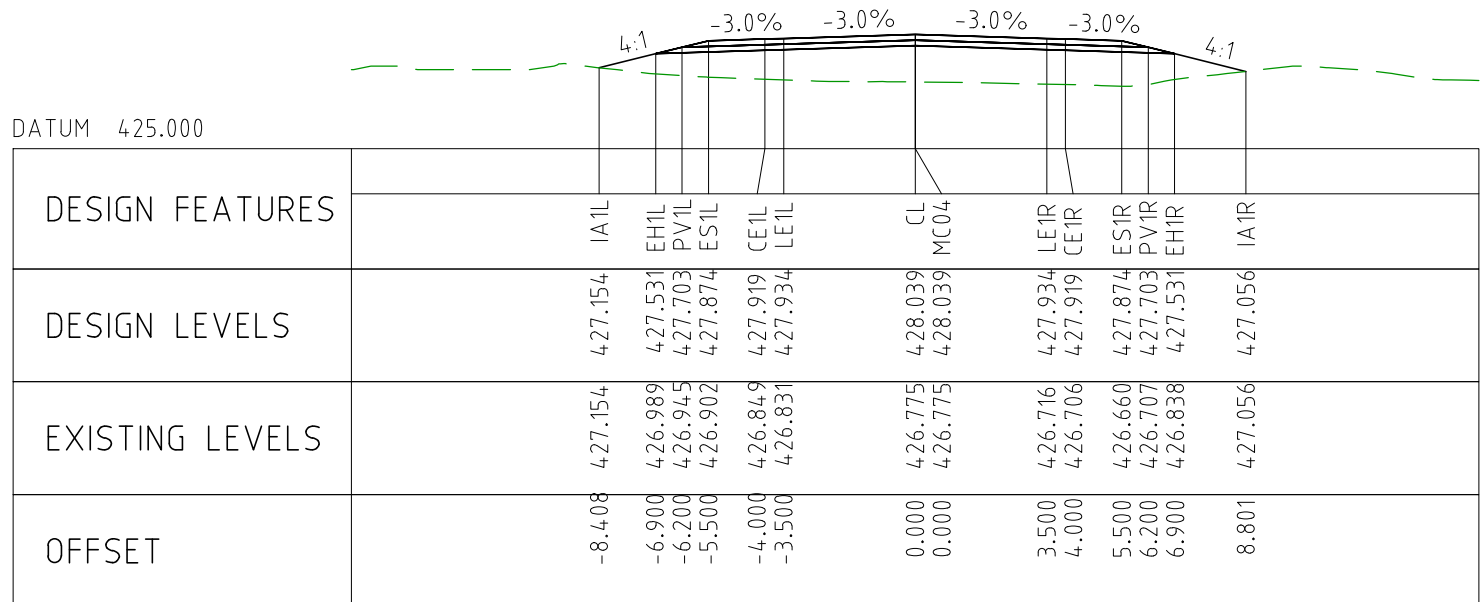
CHAINAGE 105850



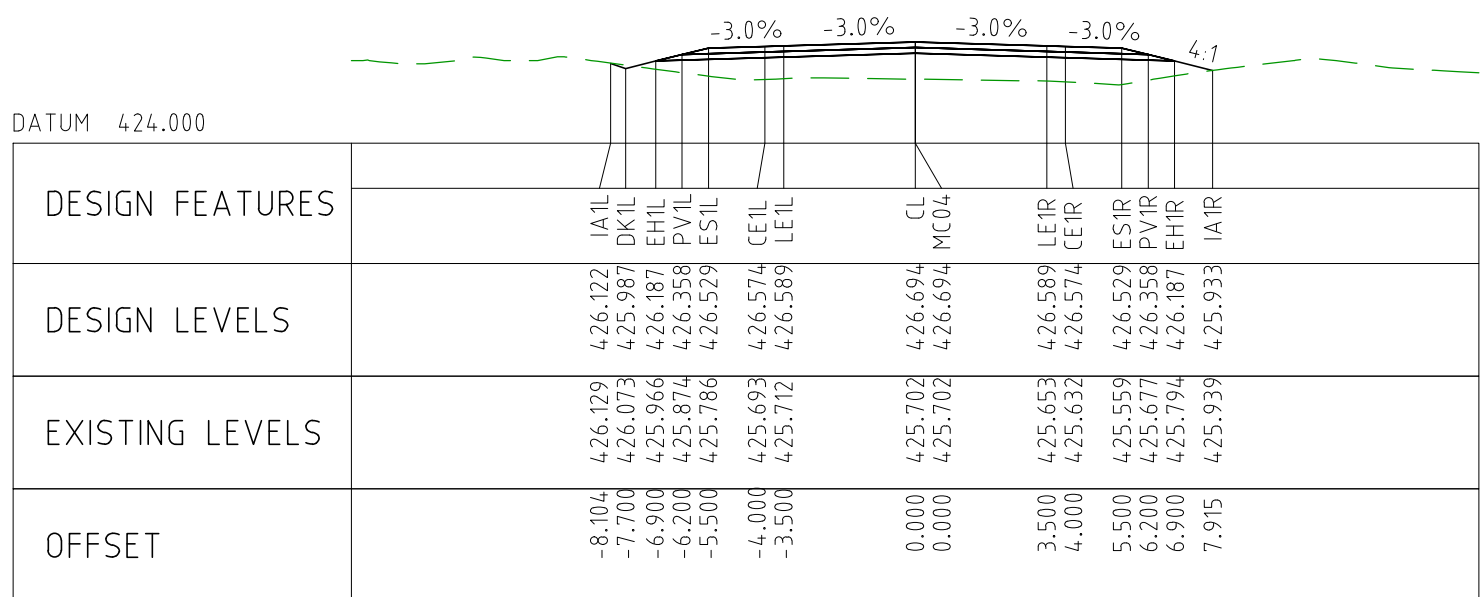
CHAINAGE 106300



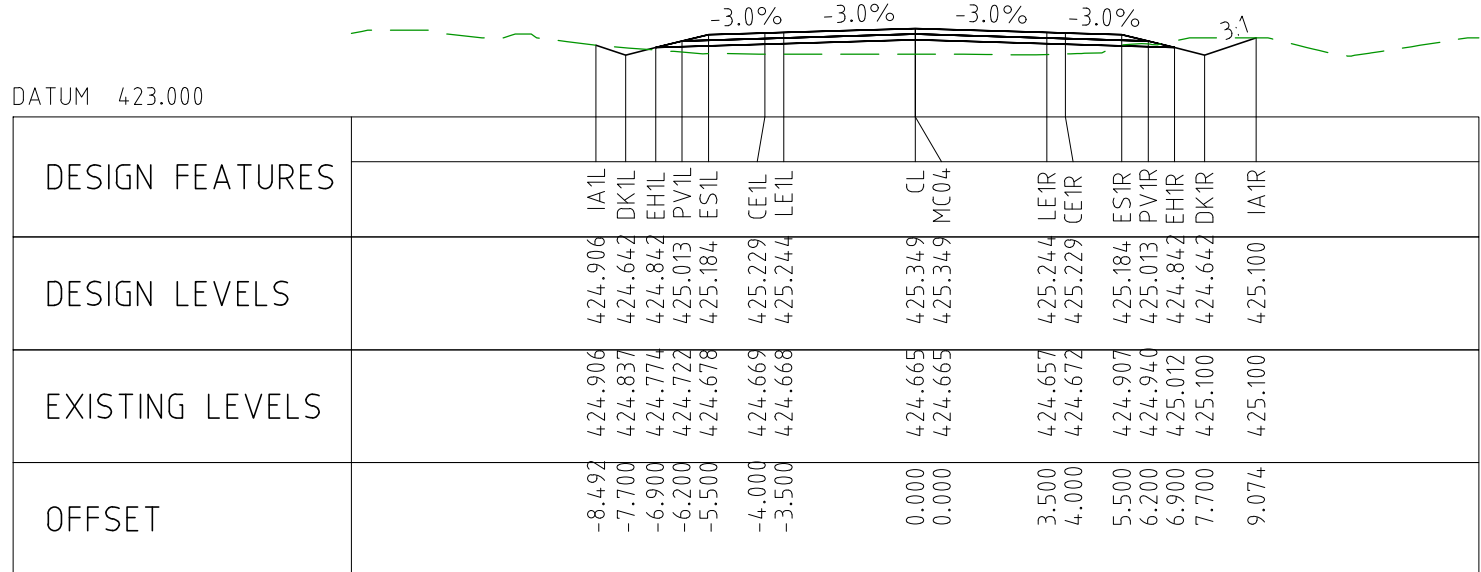
CHAINAGE 106250



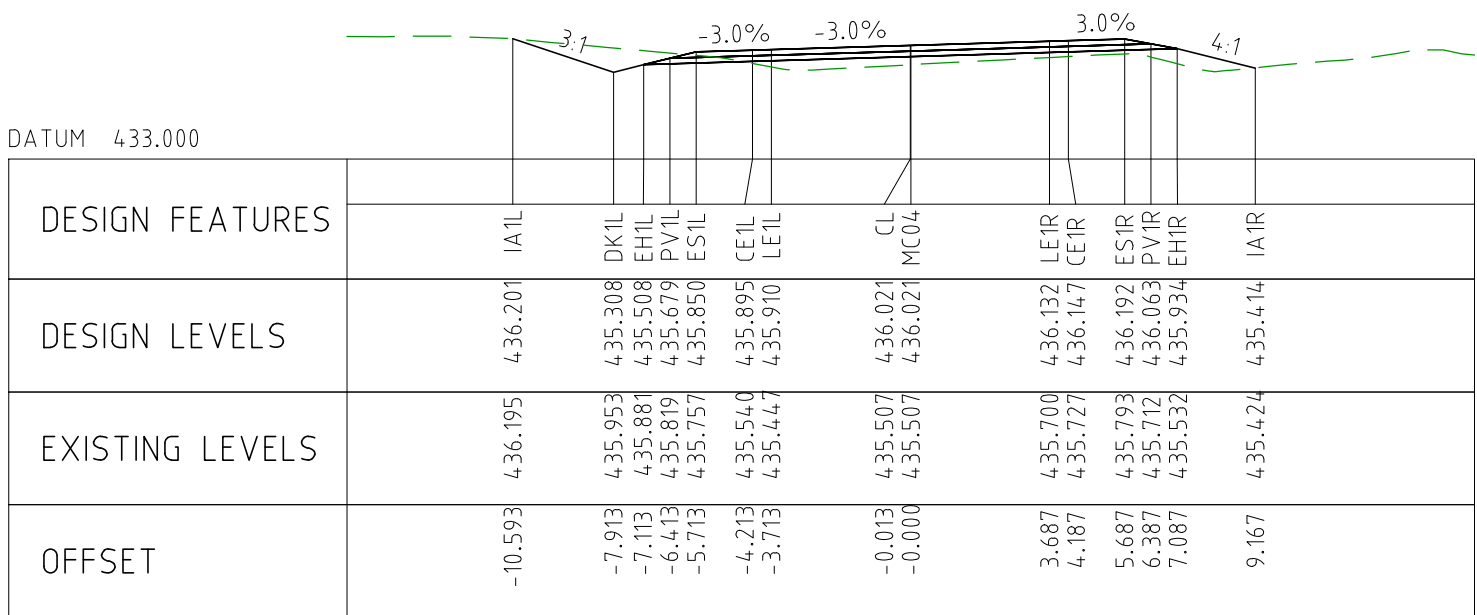
CHAINAGE 106200



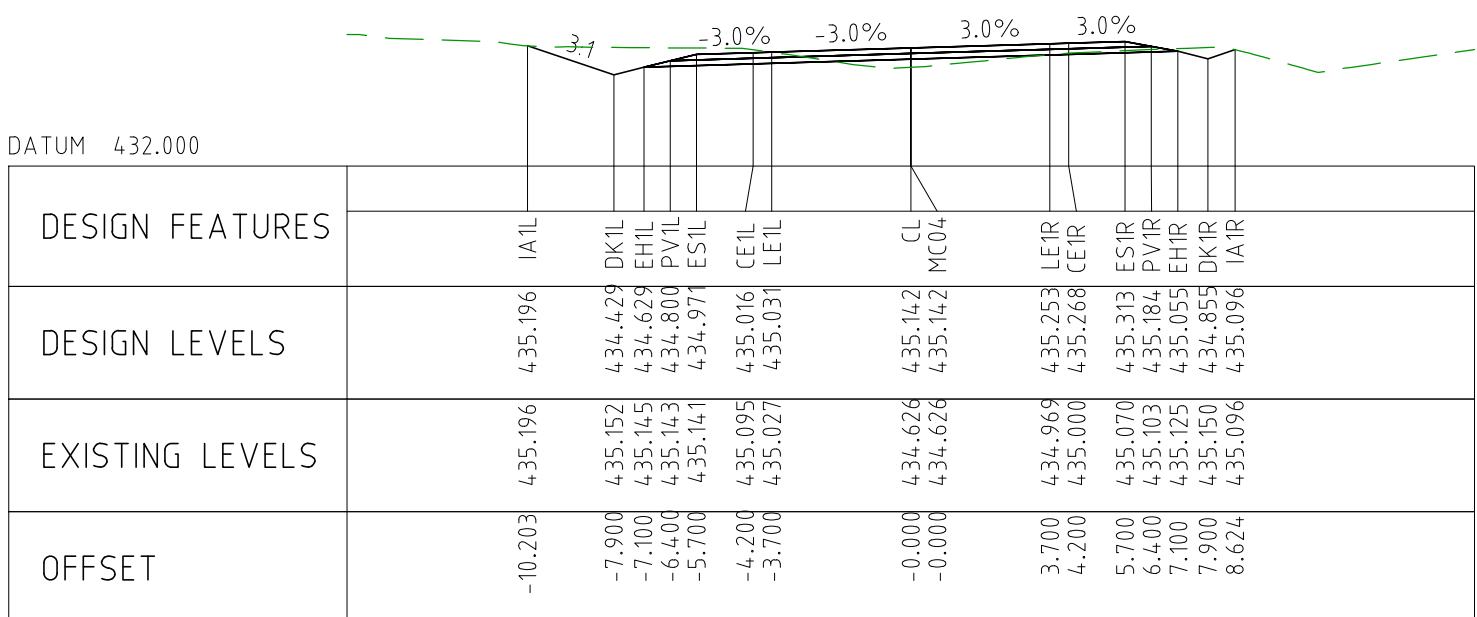
CHAINAGE 106150



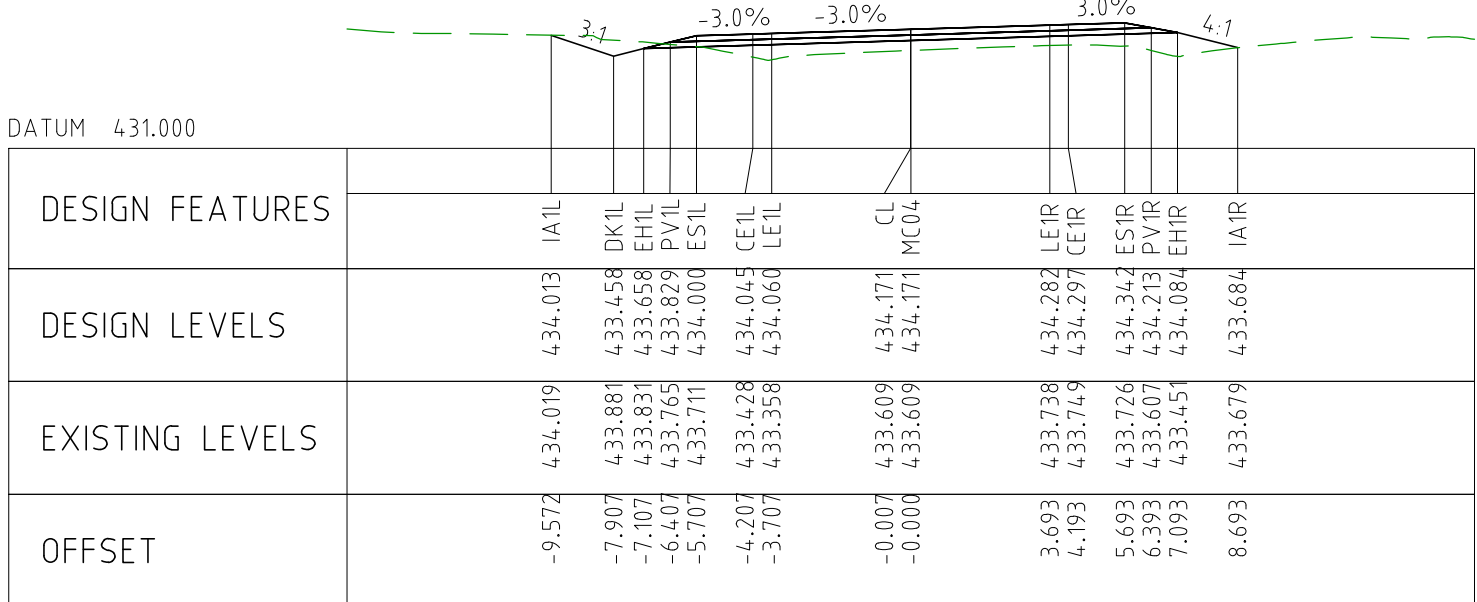
CHAINAGE 106100



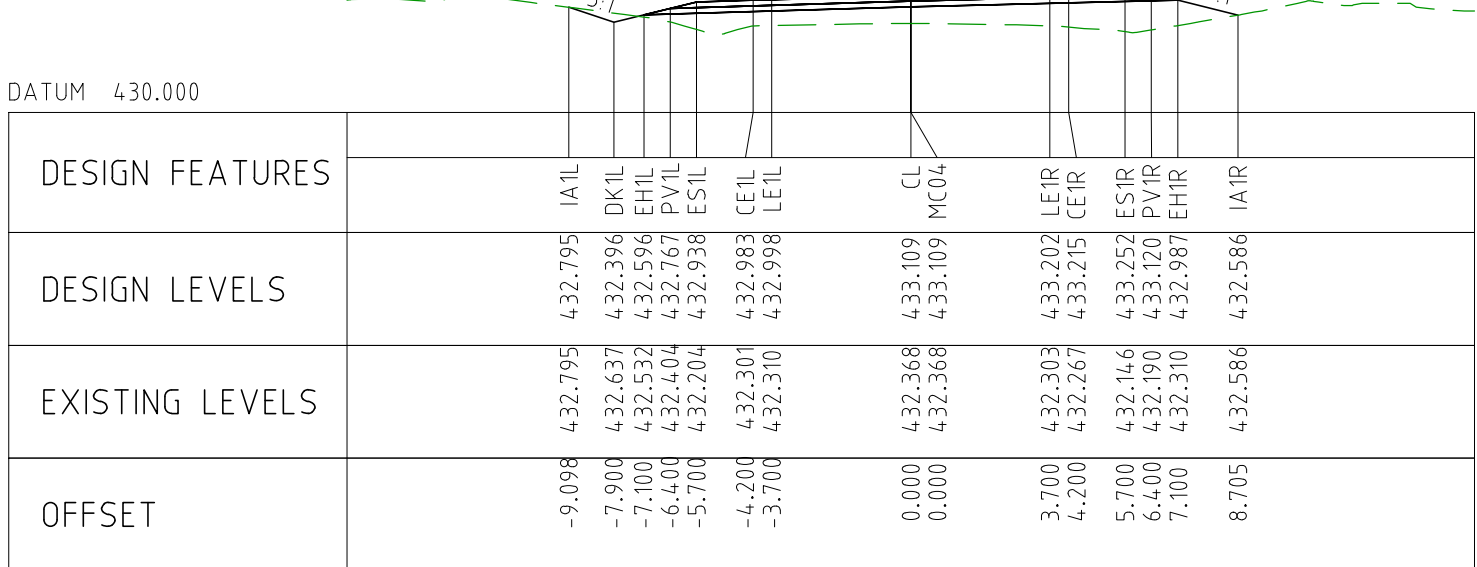
CHAINAGE 106550



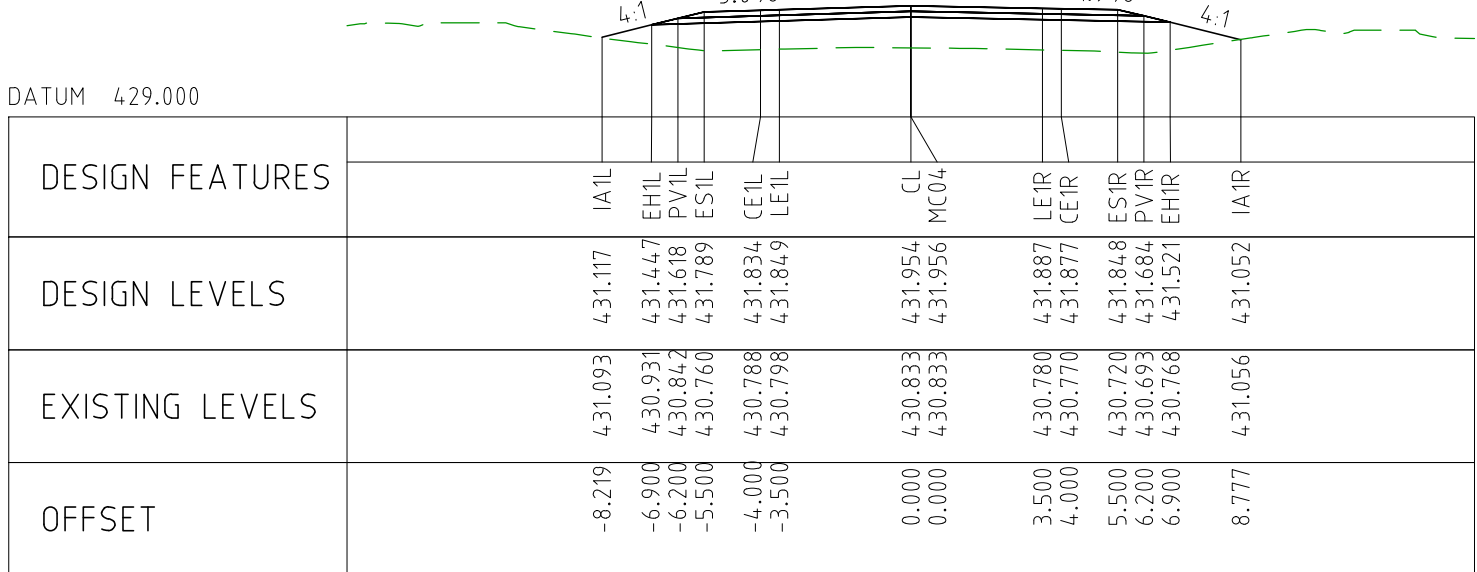
CHAINAGE 106500



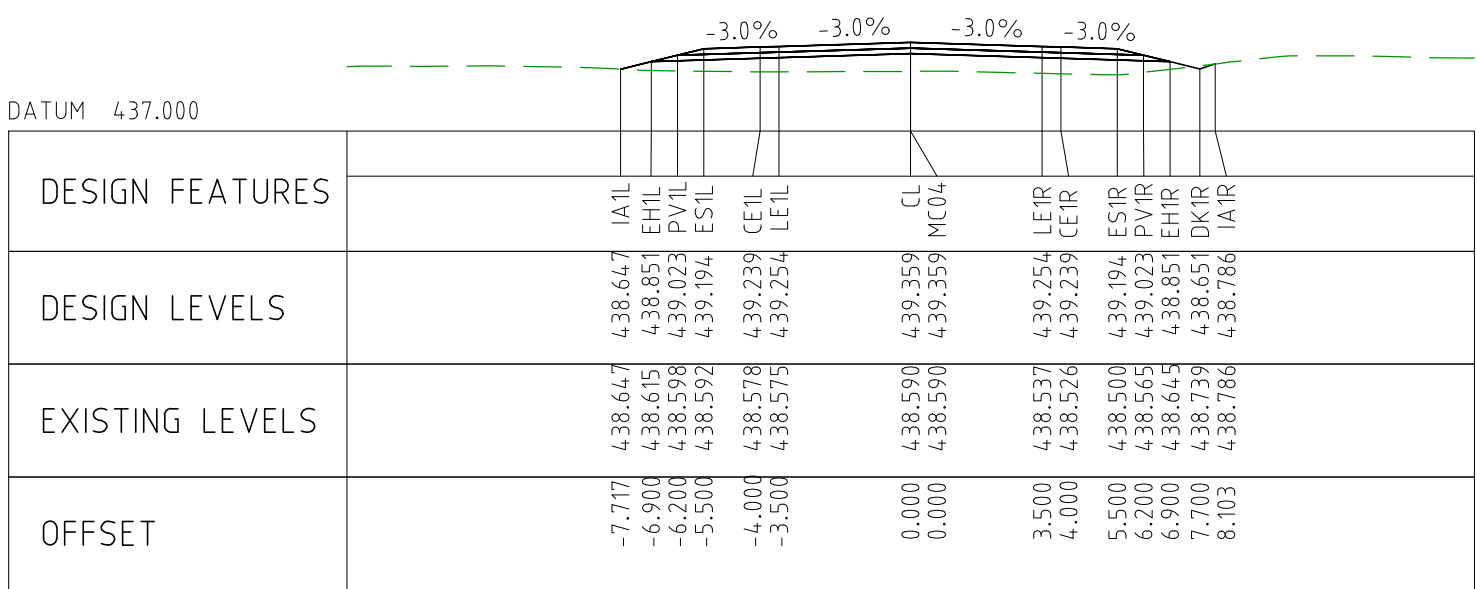
CHAINAGE 106450



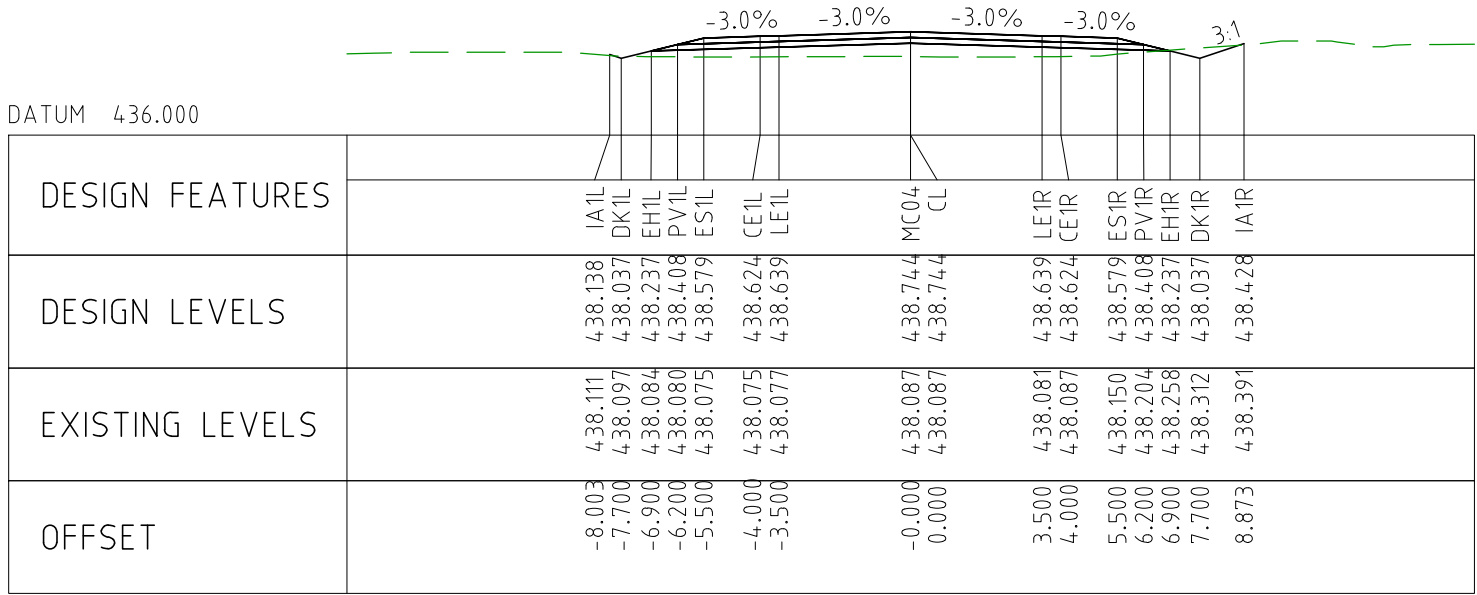
CHAINAGE 106400



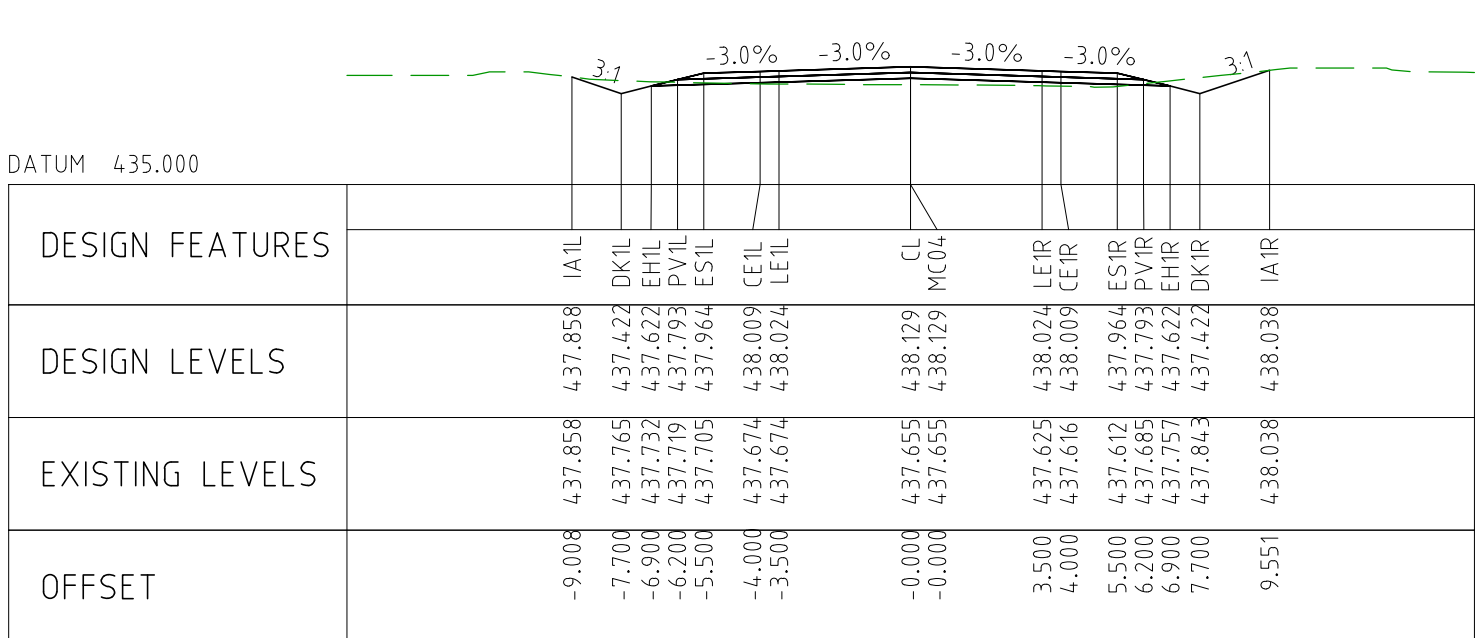
CHAINAGE 106350



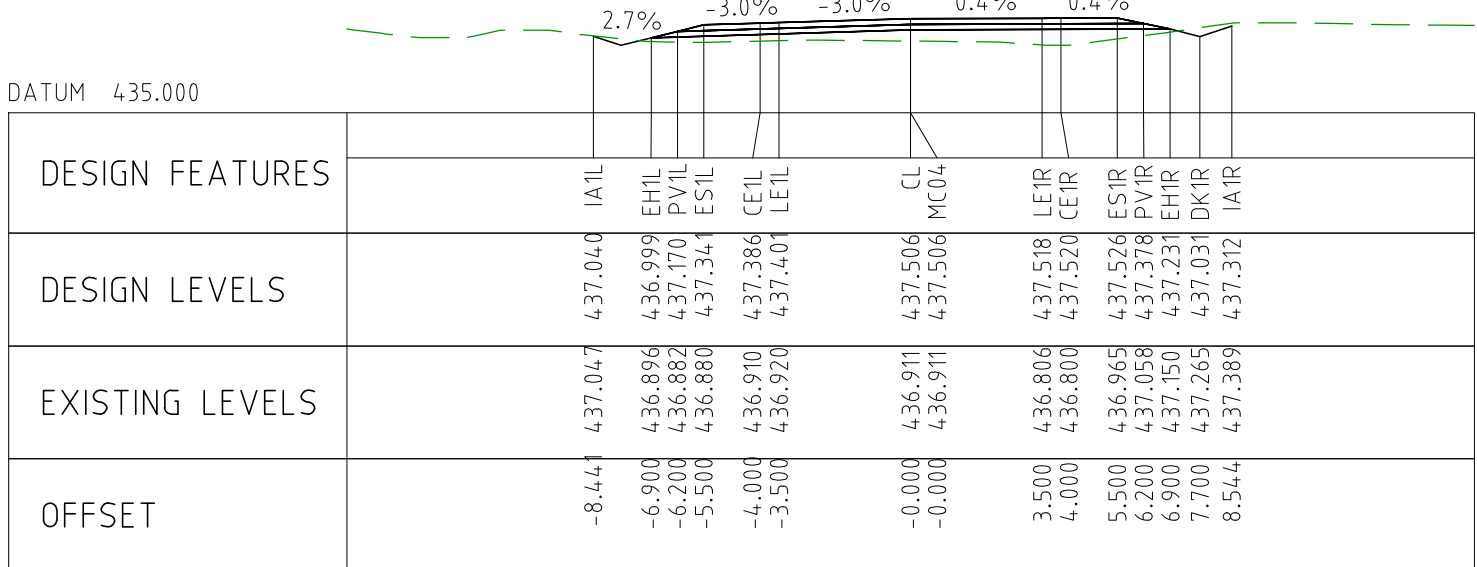
CHAINAGE 106800



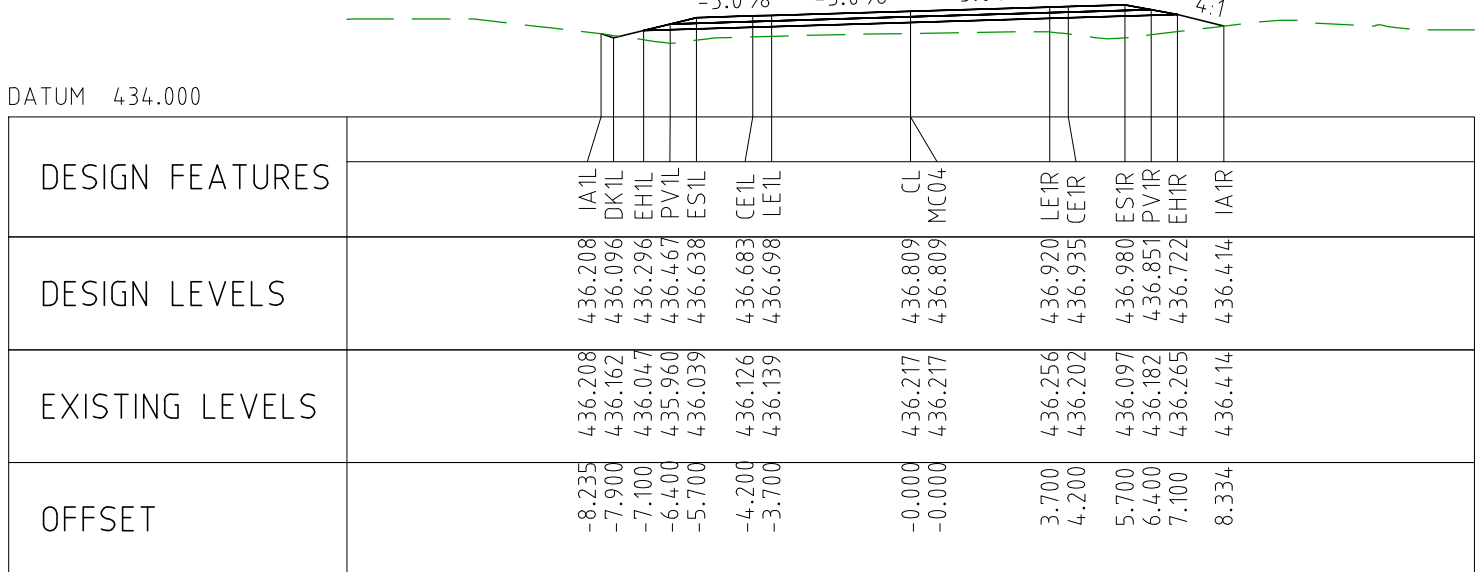
CHAINAGE 106750



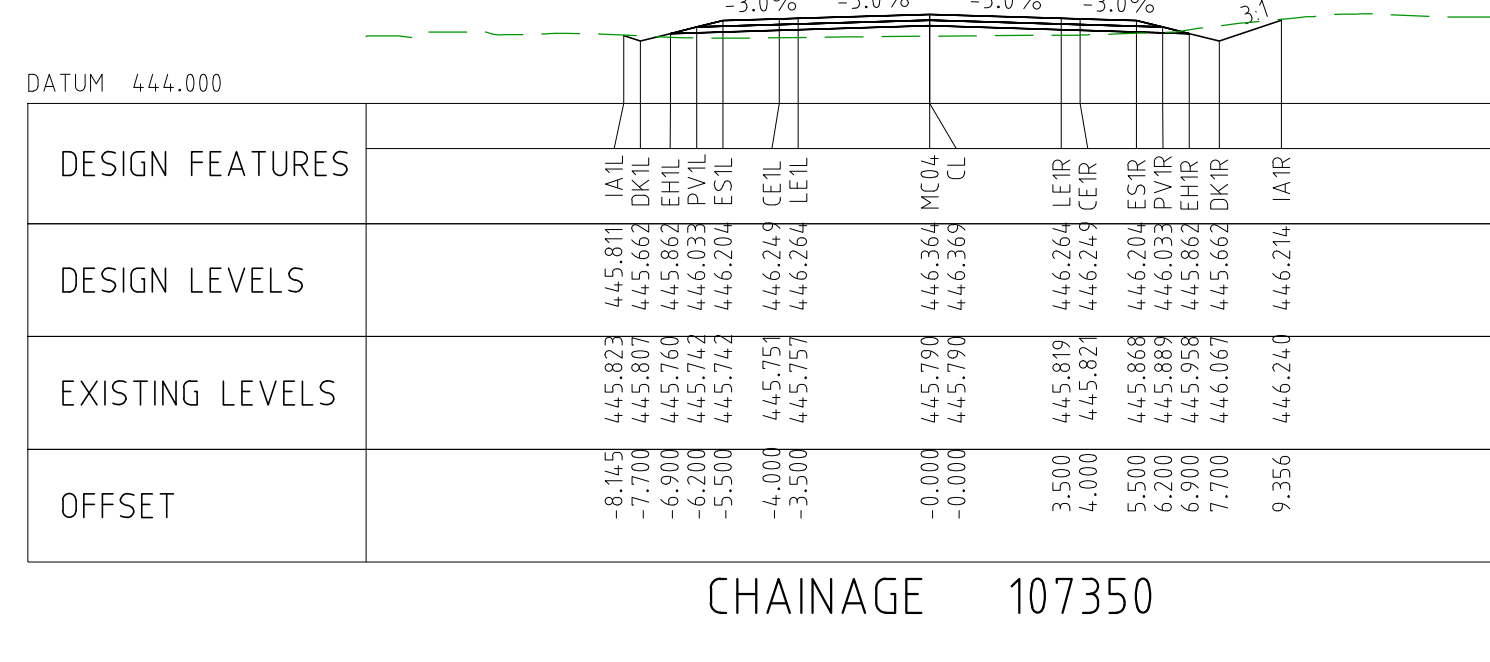
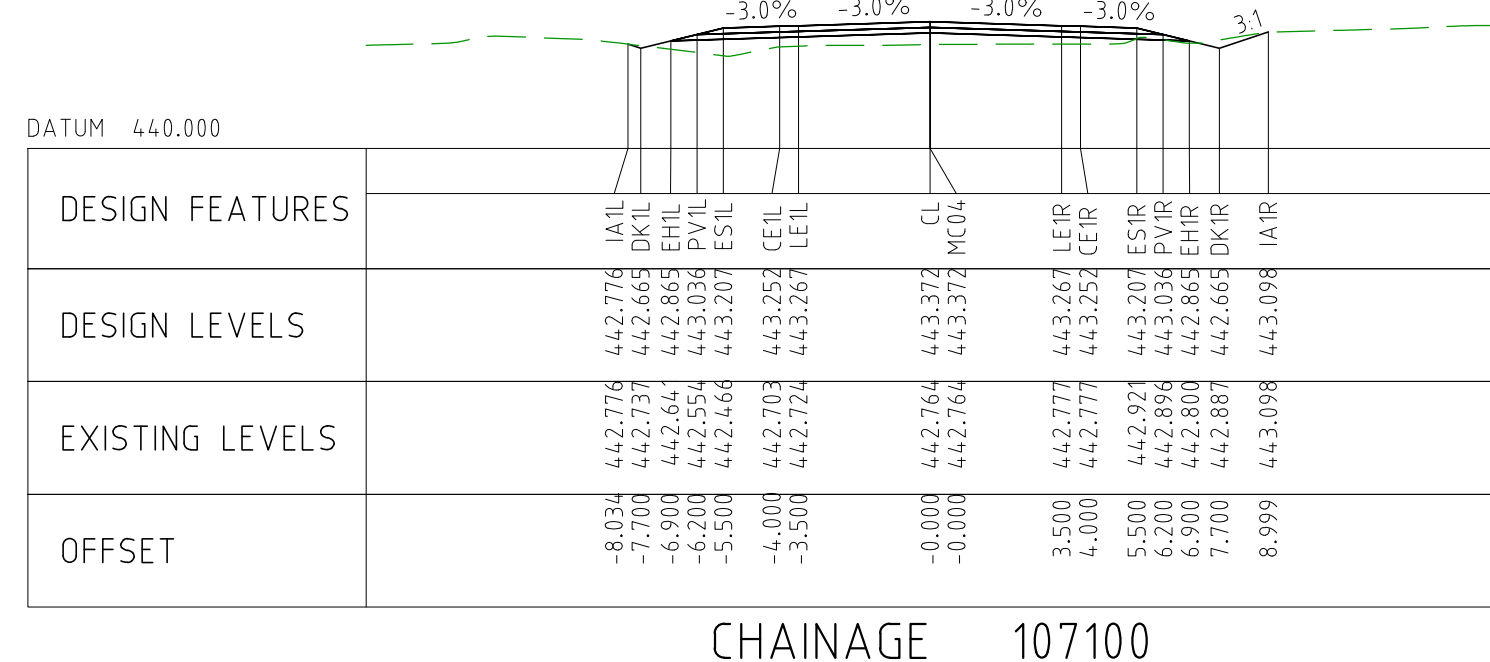
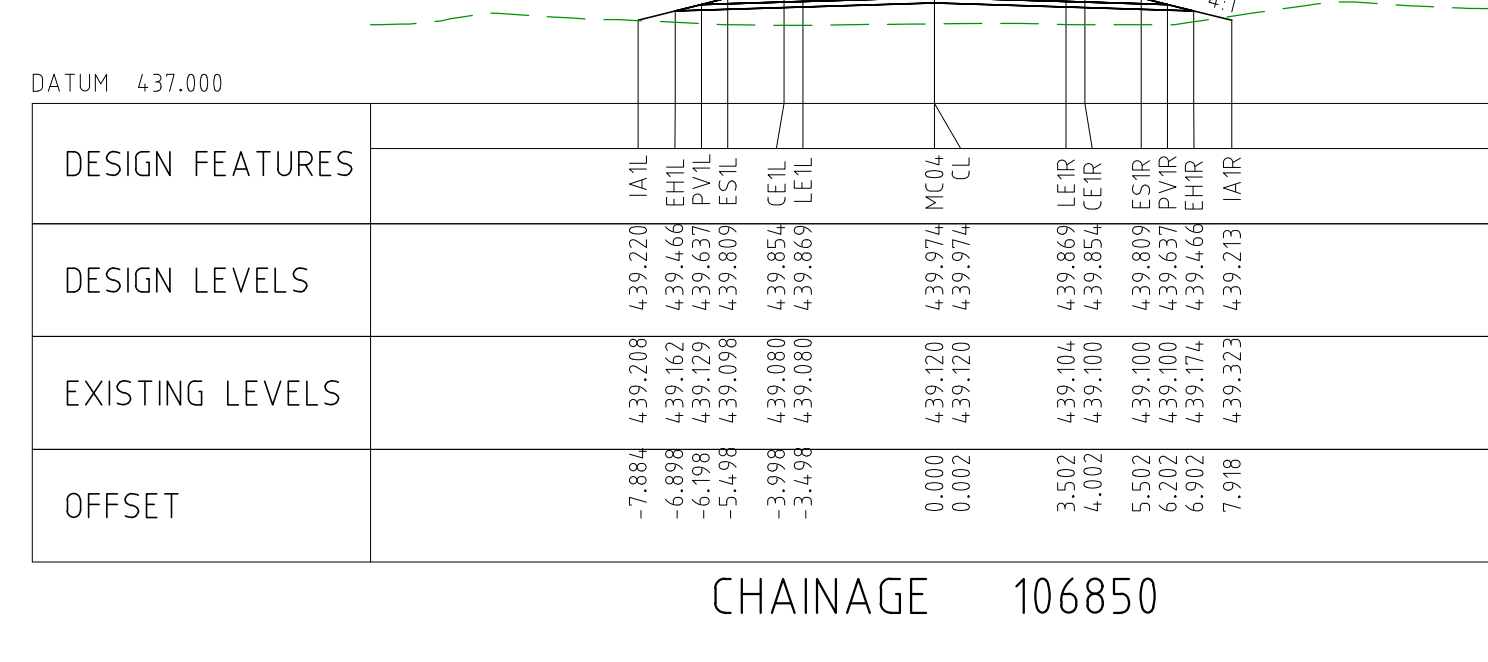
CHAINAGE 106700






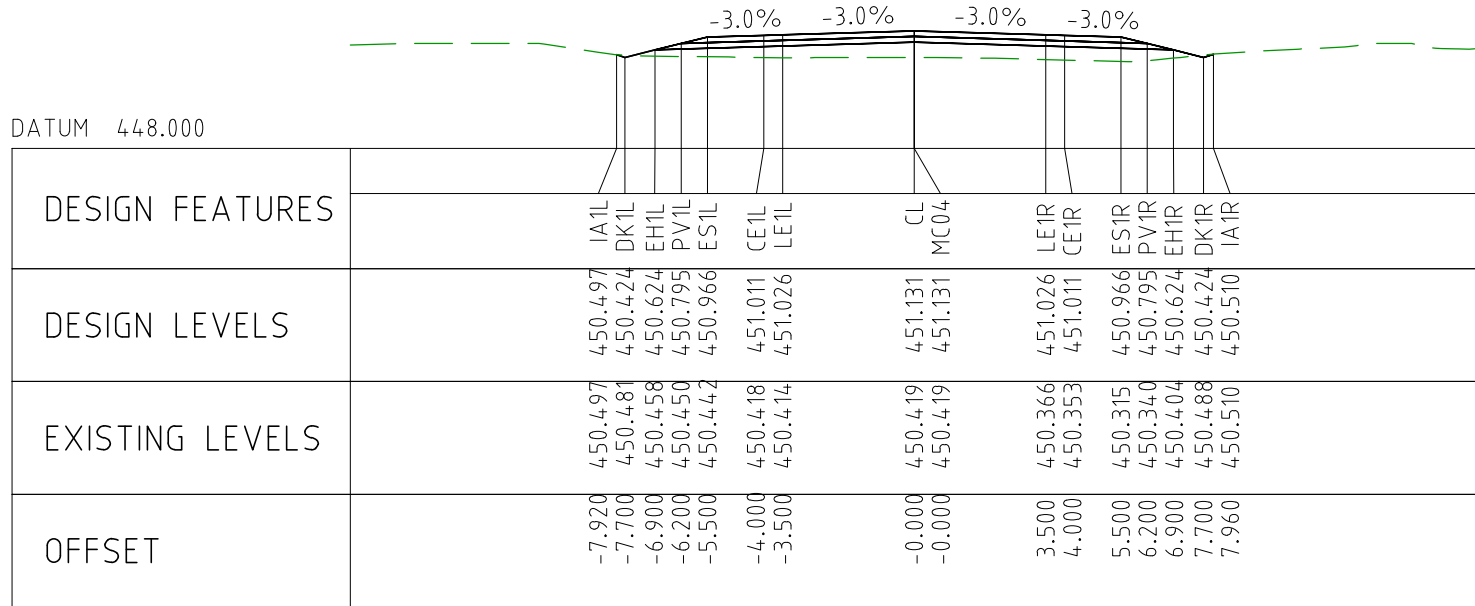
CHAINAGE 106650



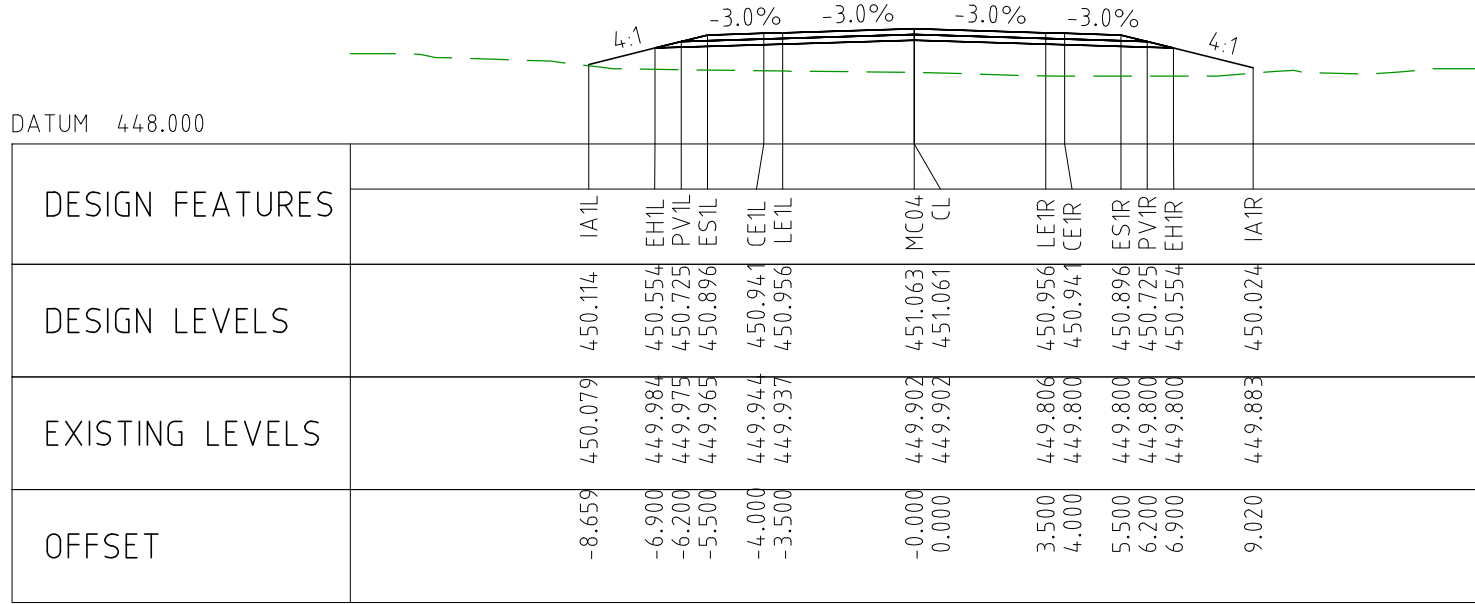
CHAINAGE 106600



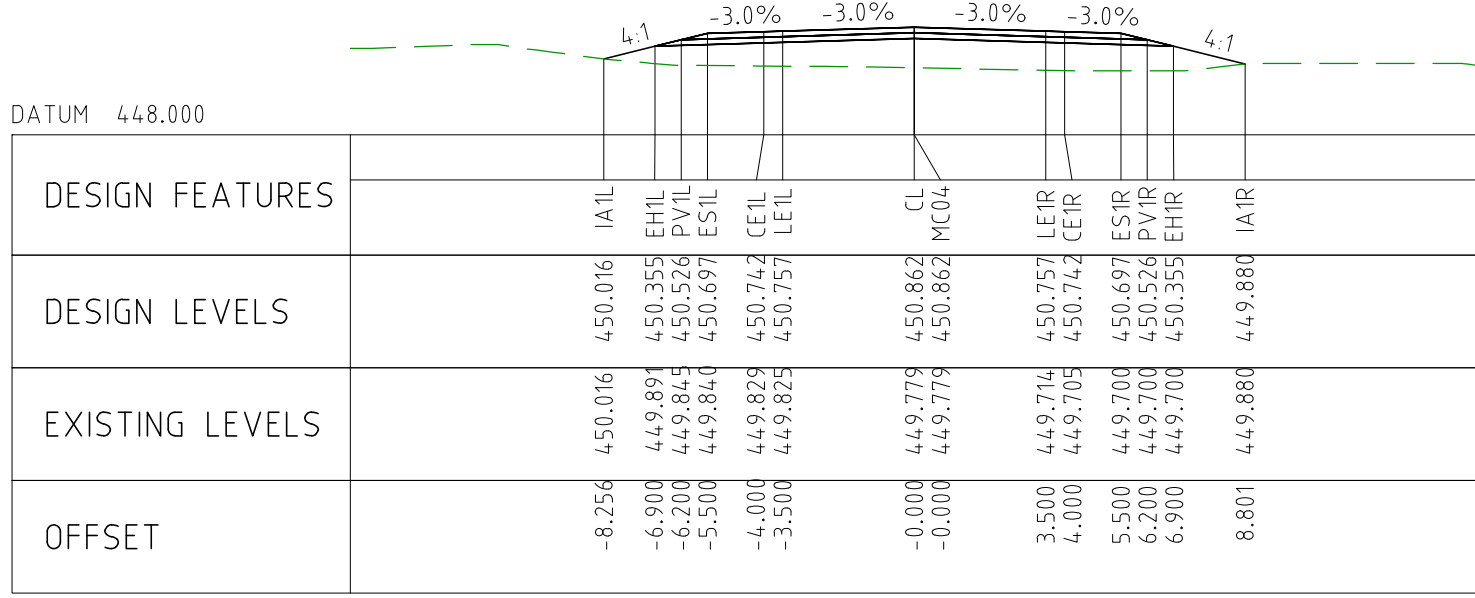
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS158.dwg					PLOT DATE 03 Nov 2022		TIME 17:27:39		CLIENT DOCUMENT NO COV-M040-CI-DWG-0270					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC04 SHEET 64 OF 72	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	NM	DRAFTER	JW	SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		SCALE 1:200 PHASE DETAILED PROJECT / DRAWING No 3006493-XS158 REVISION 0	
					DRAFTING CHECK	TM								
					DESIGNER	DG								
					DESIGN CHECK	TM								
					PROJECT MANAGER	DM								
						PROJECT DIRECTOR	RI							



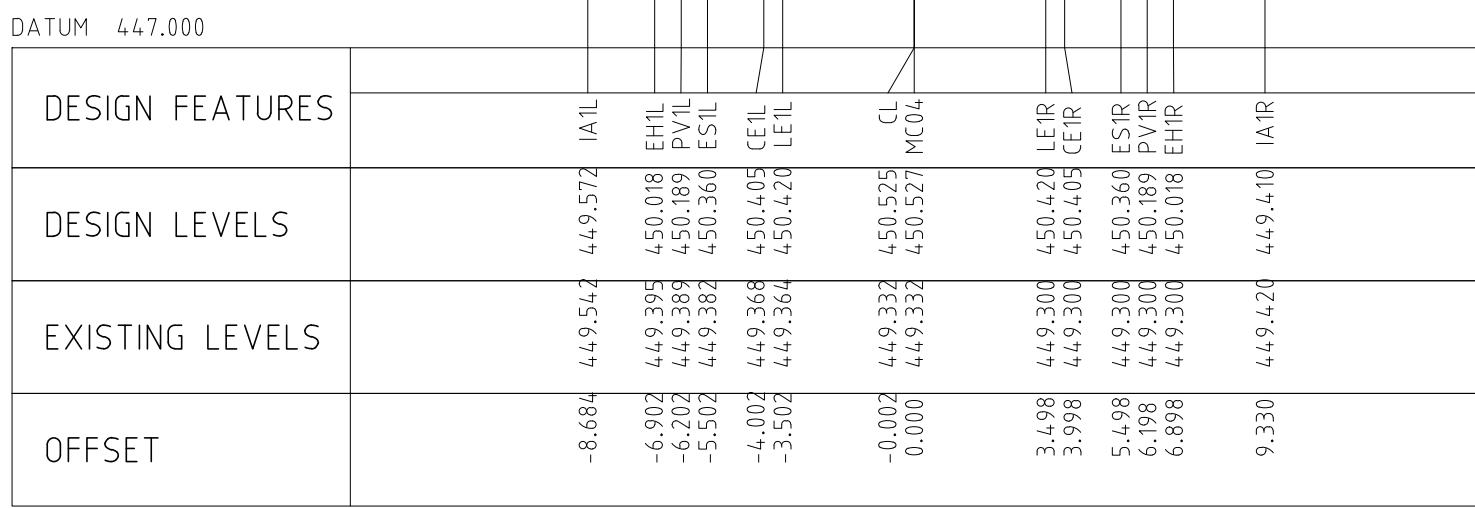
CHAINAGE 107800



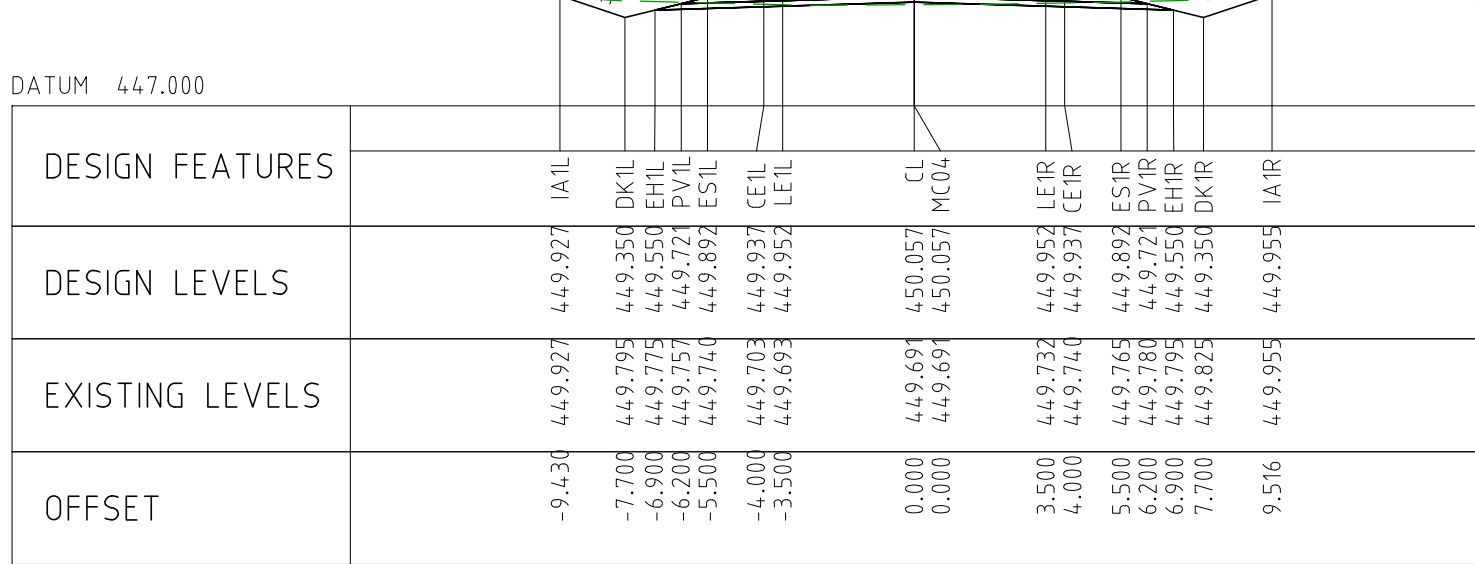
CHAINAGE 107750



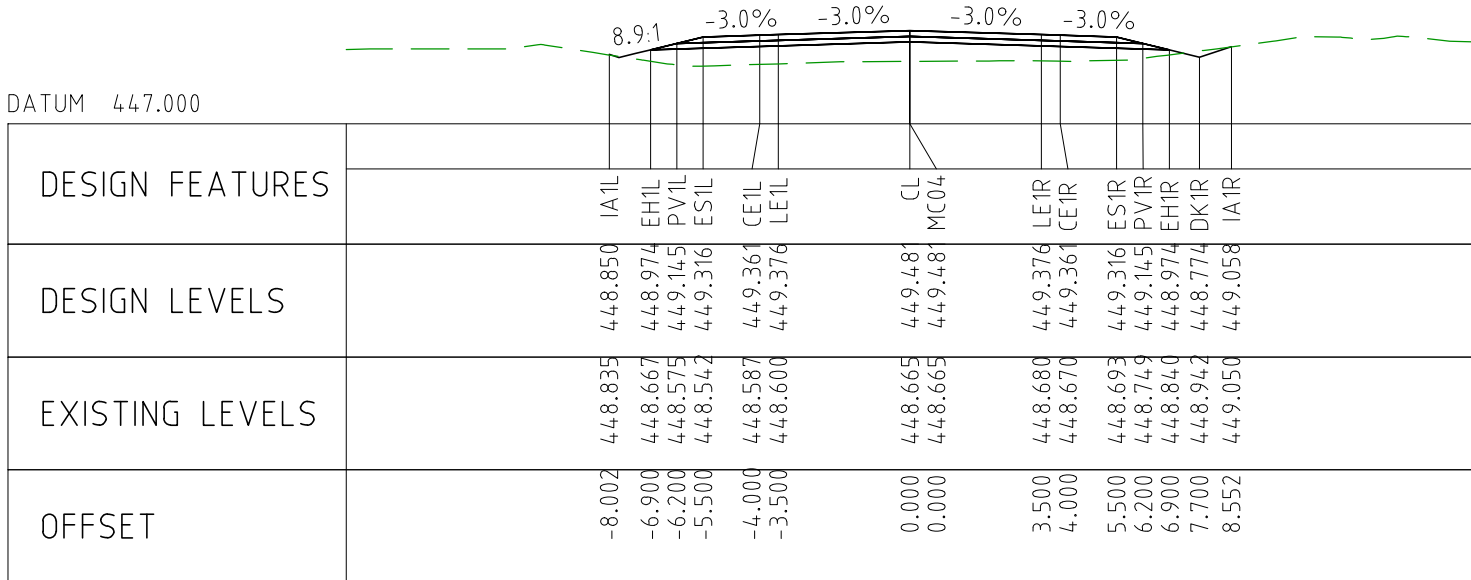
CHAINAGE 107700



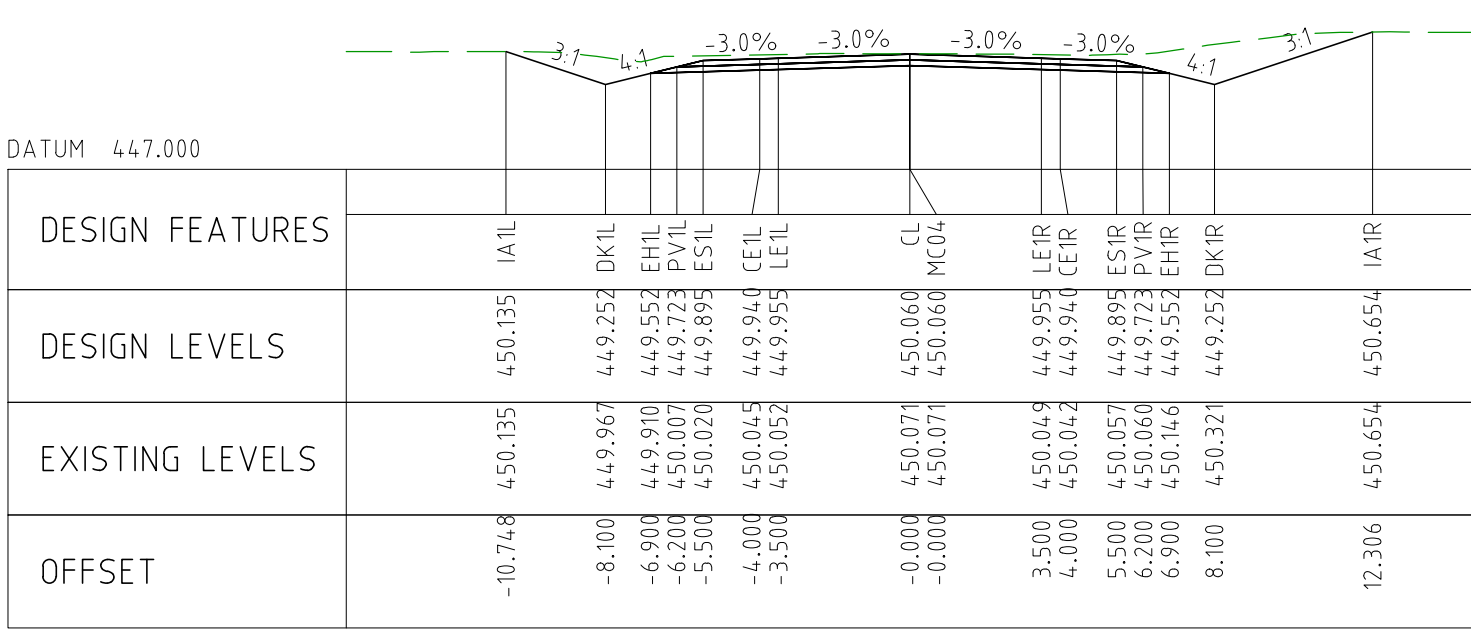
CHAINAGE 107650



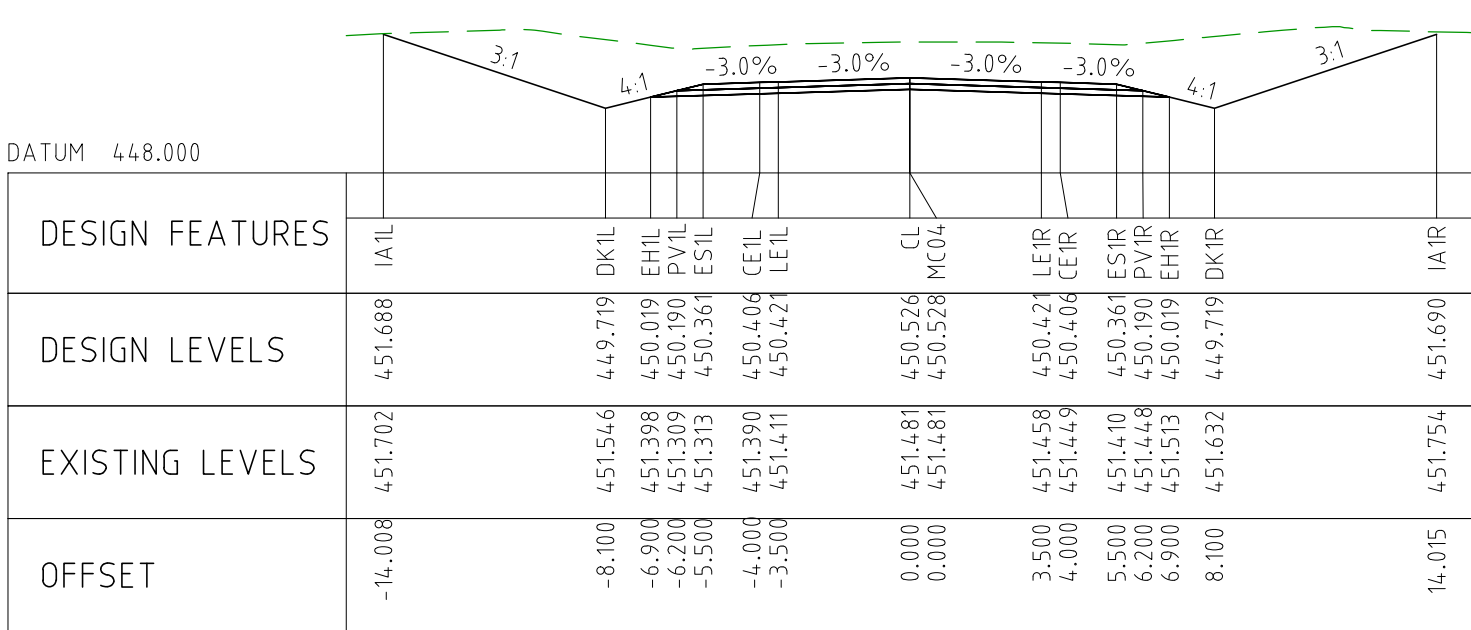
CHAINAGE 107600



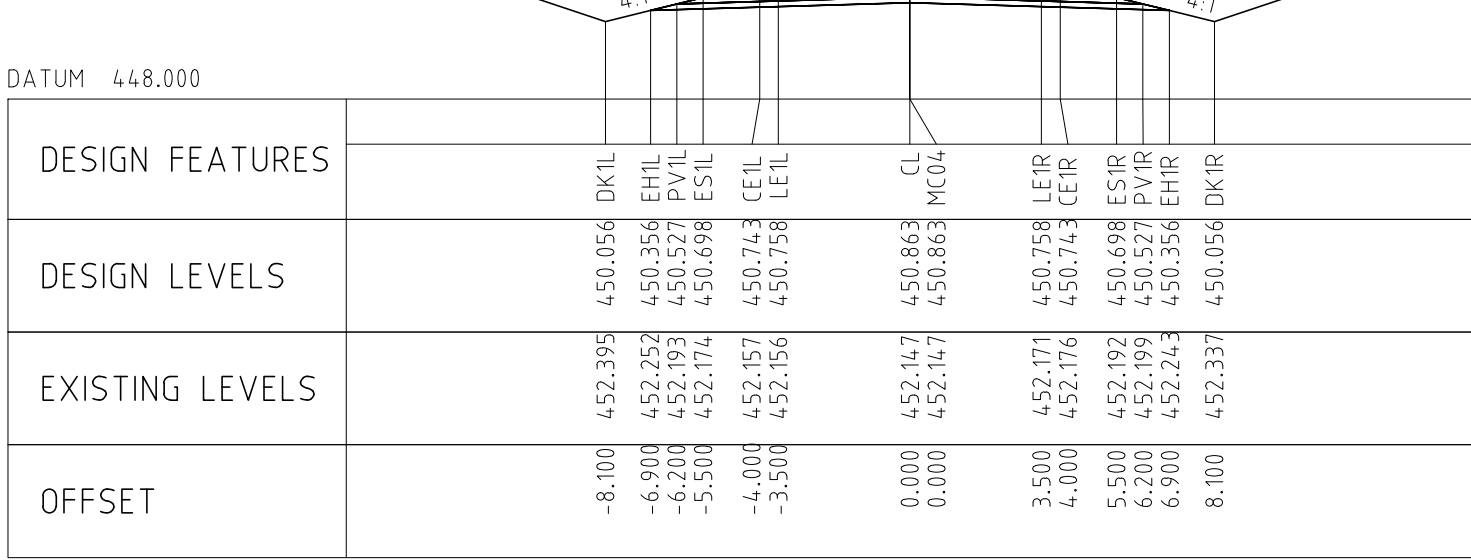
CHAINAGE 108050



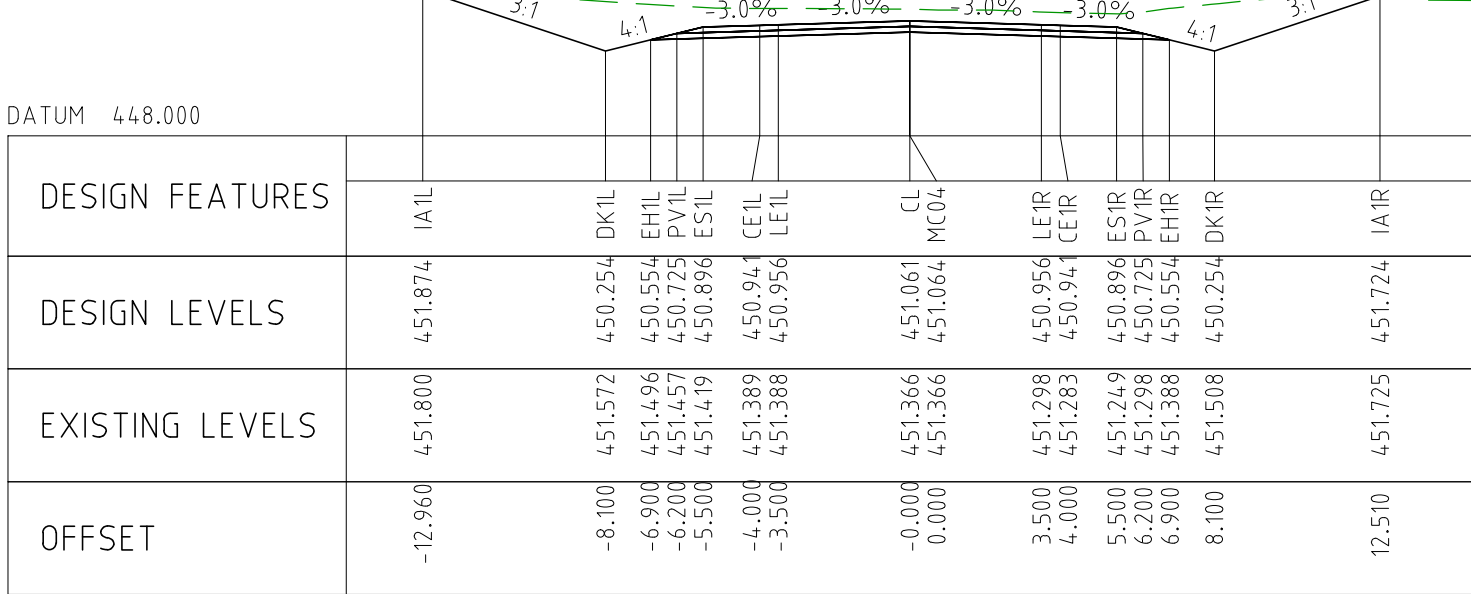
CHAINAGE 108000



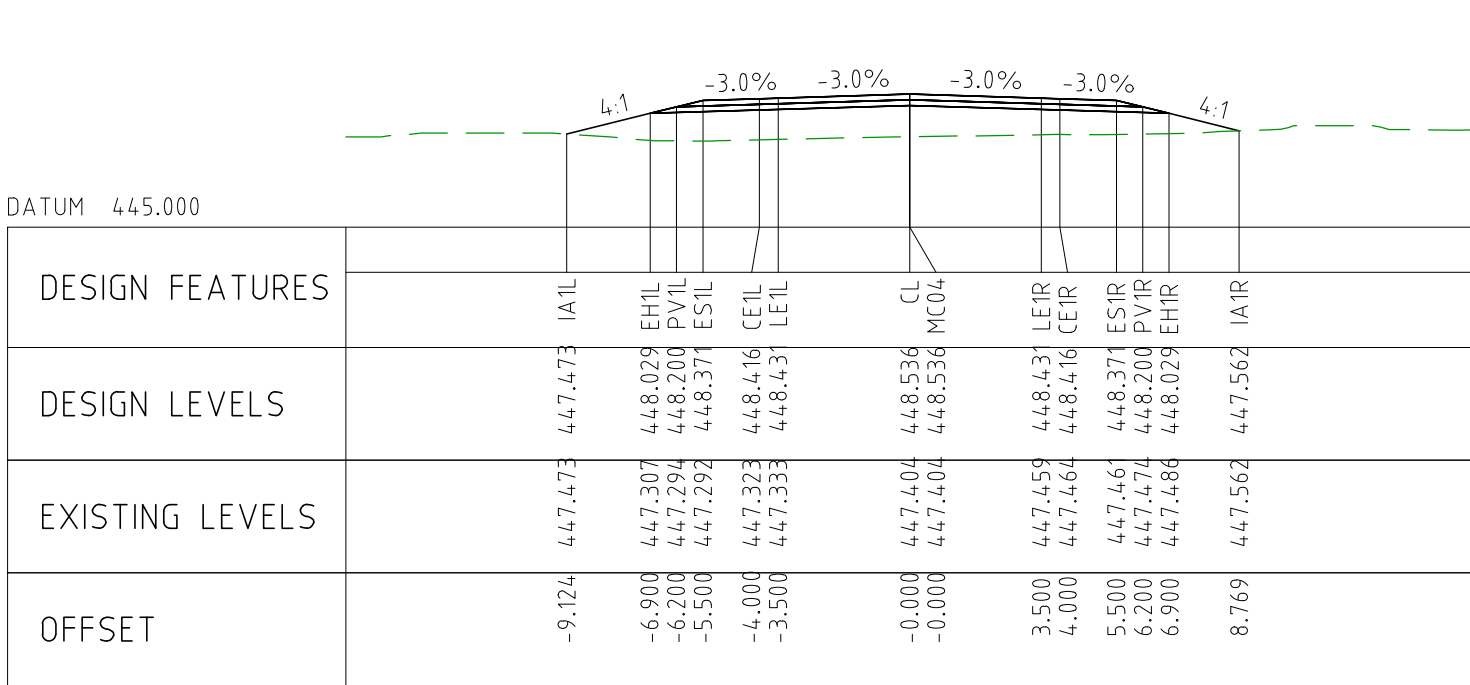
CHAINAGE 107950



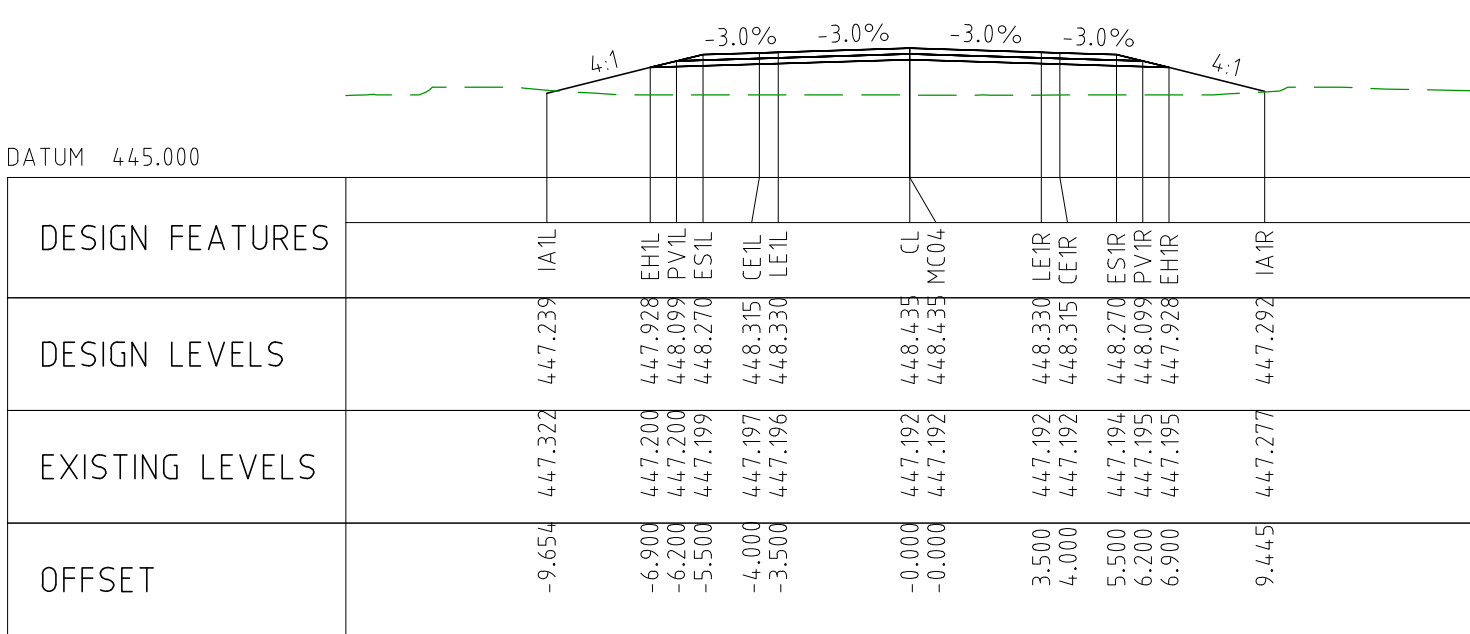
CHAINAGE 107900



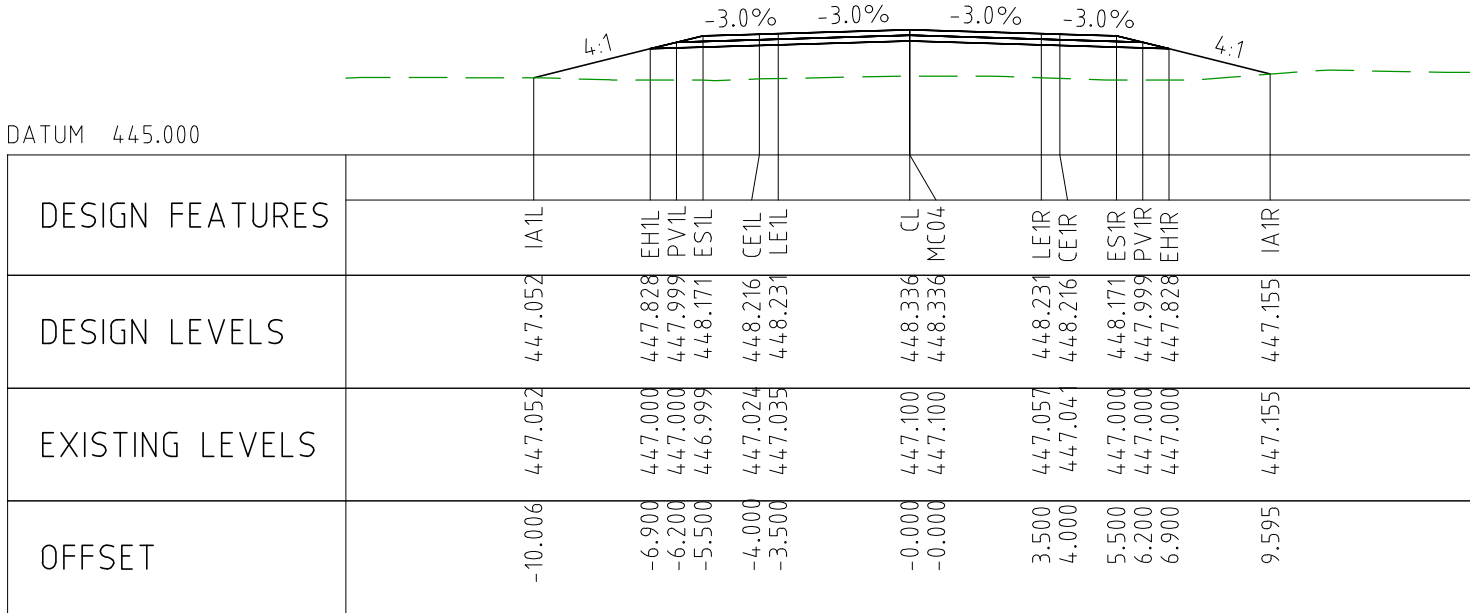
CHAINAGE 107850



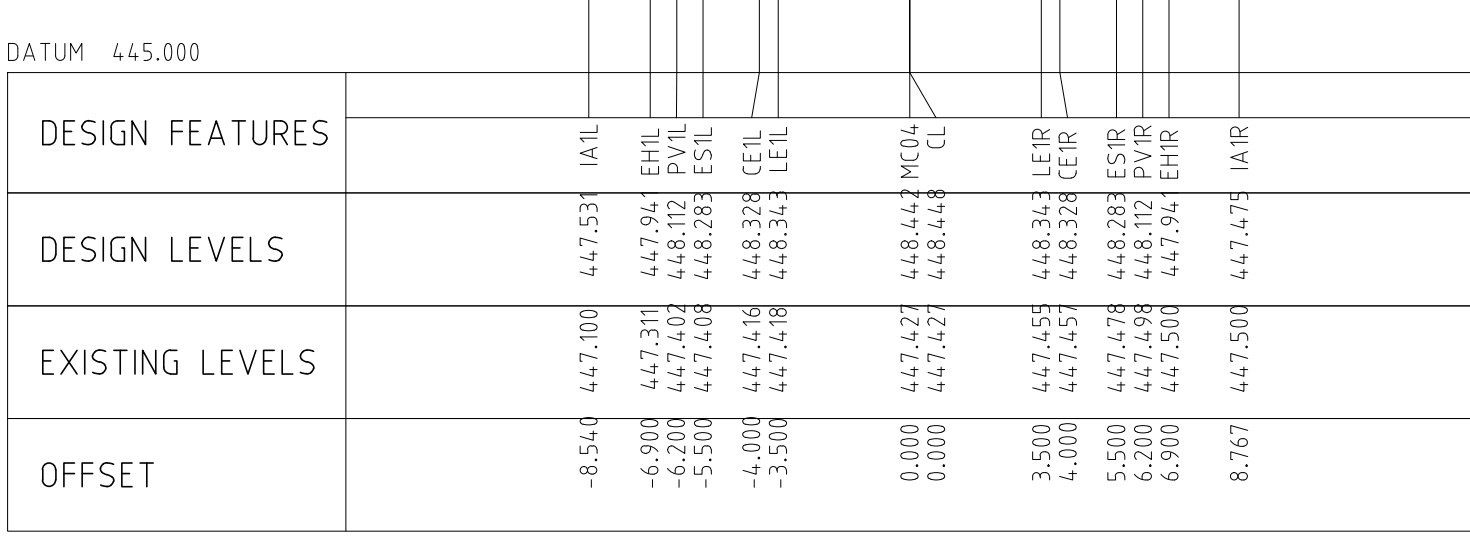
CHAINAGE 108300



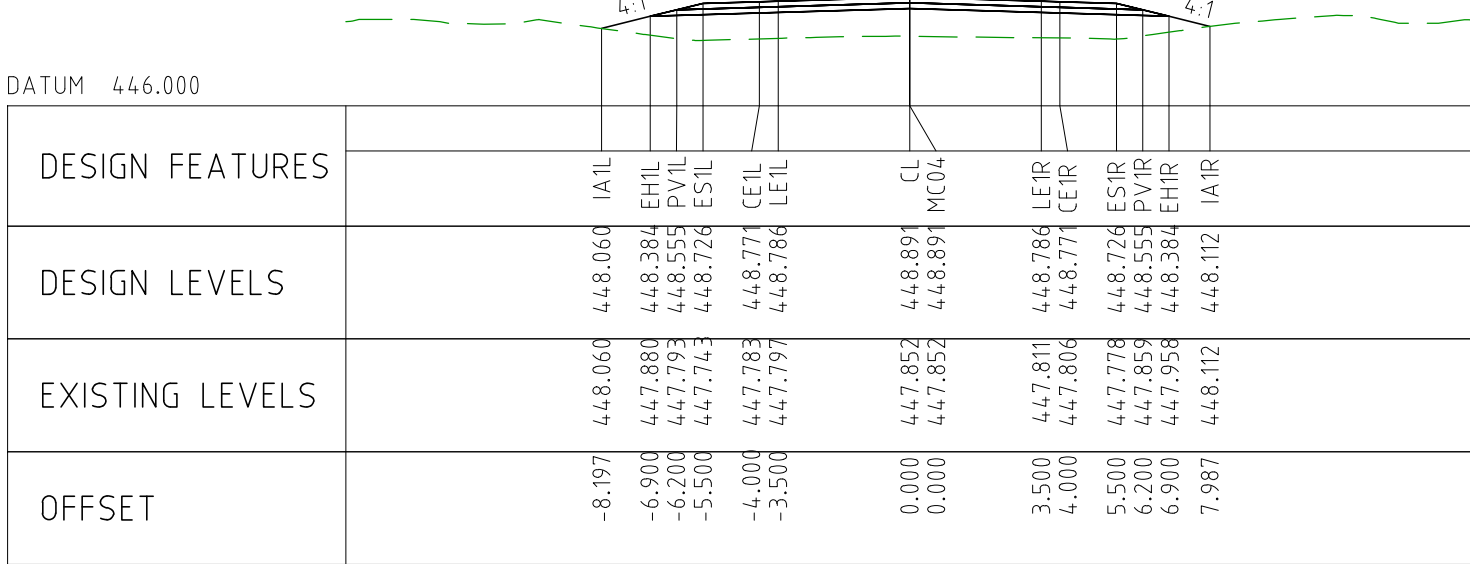
CHAINAGE 108250



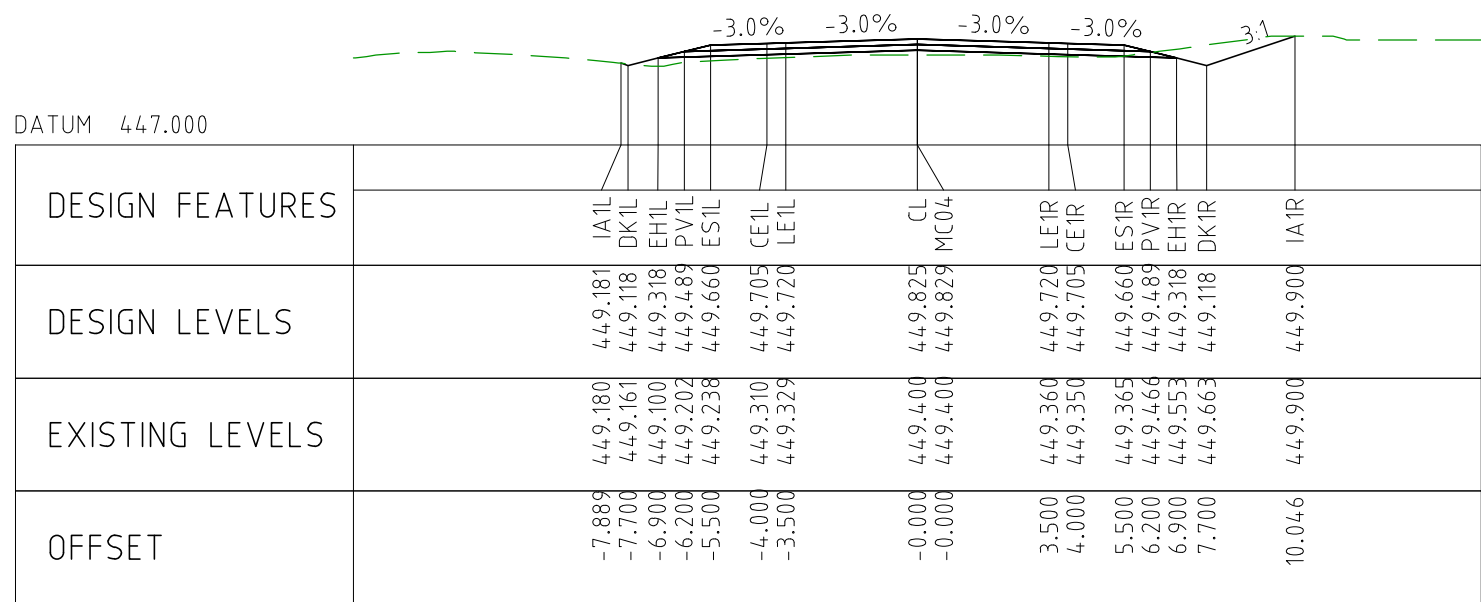
CHAINAGE 108200



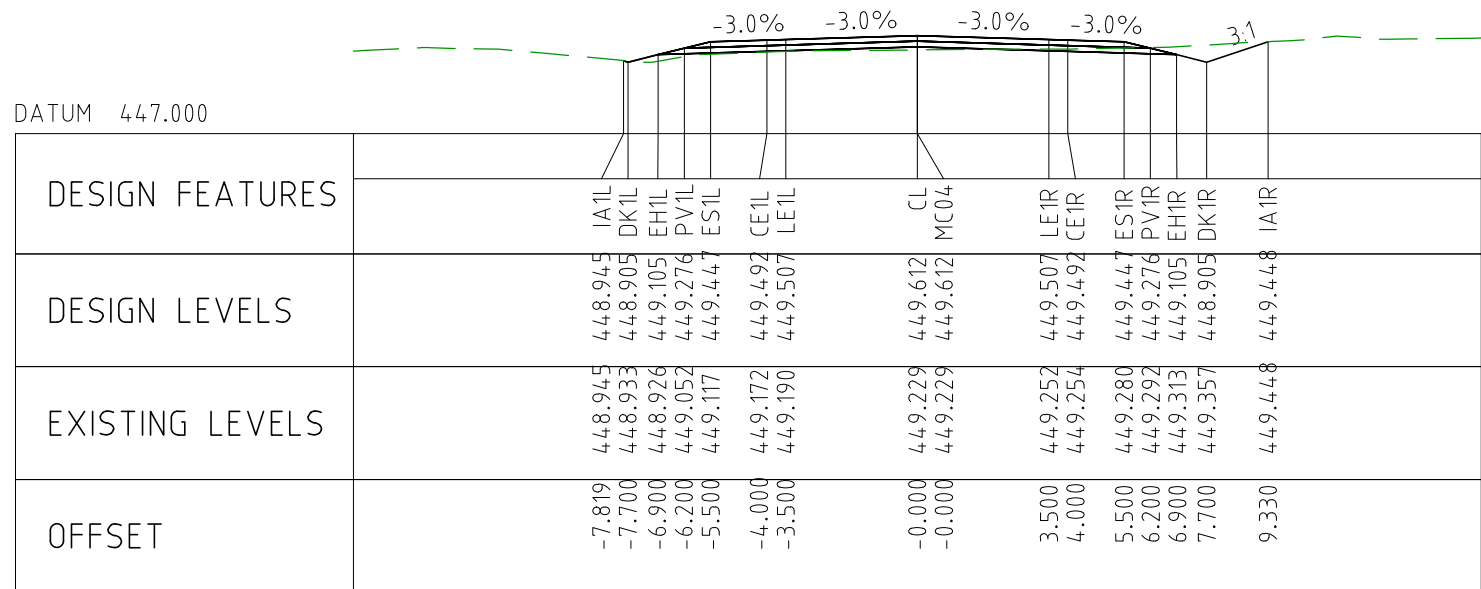
CHAINAGE 108150



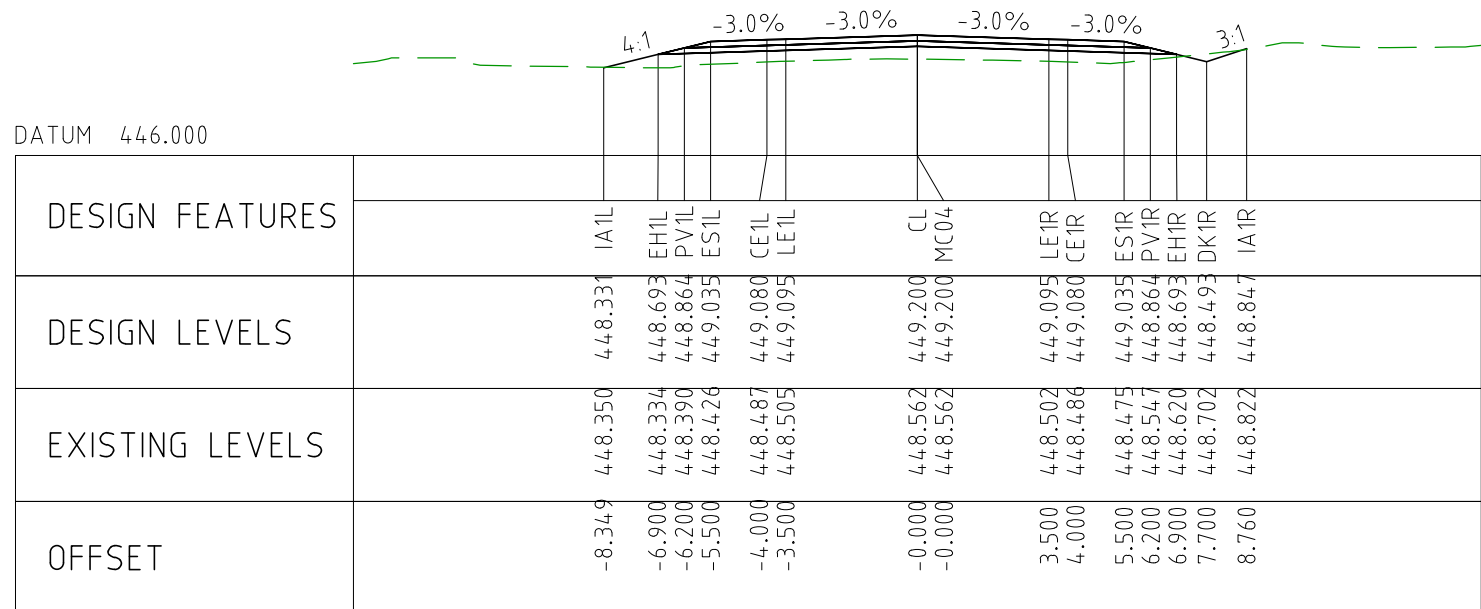
CHAINAGE 108100



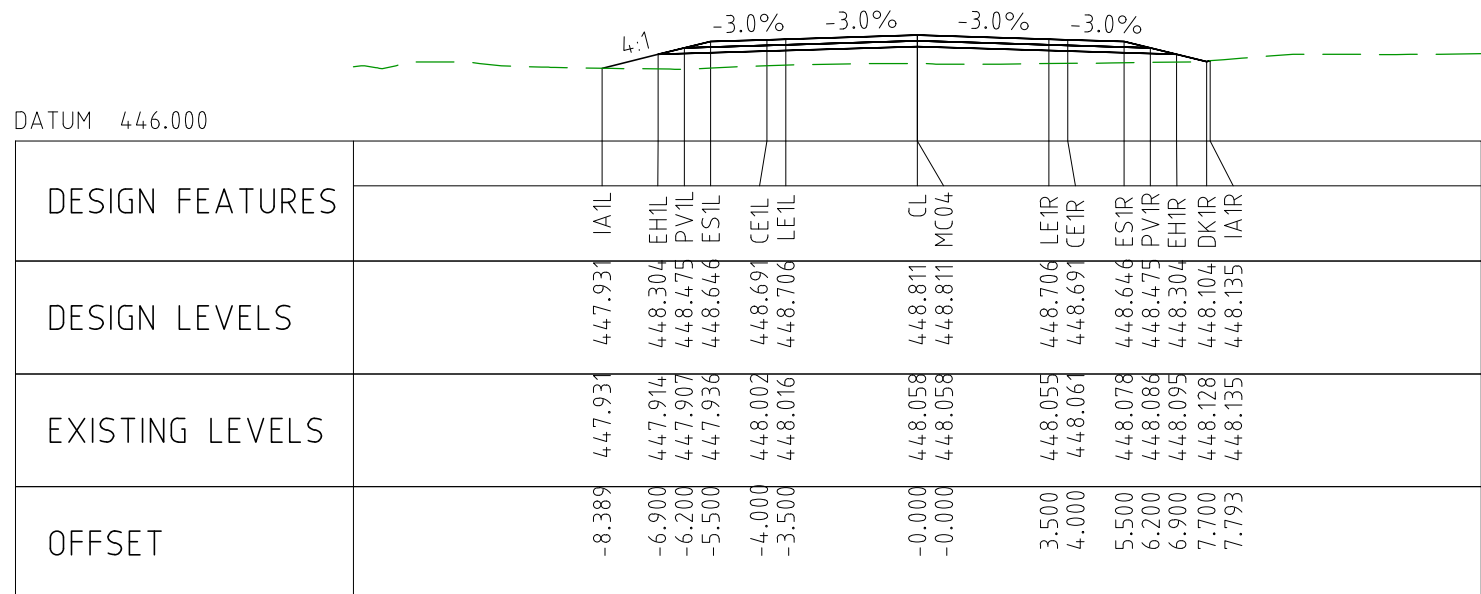
CHAINAGE 108550



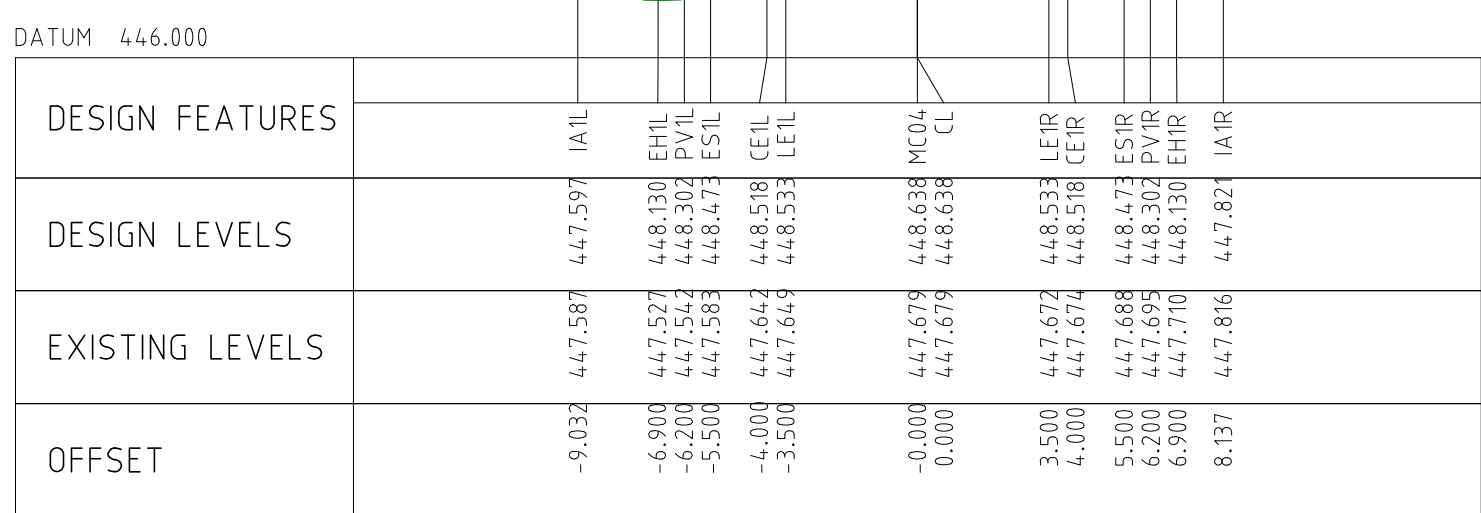
CHAINAGE 108500



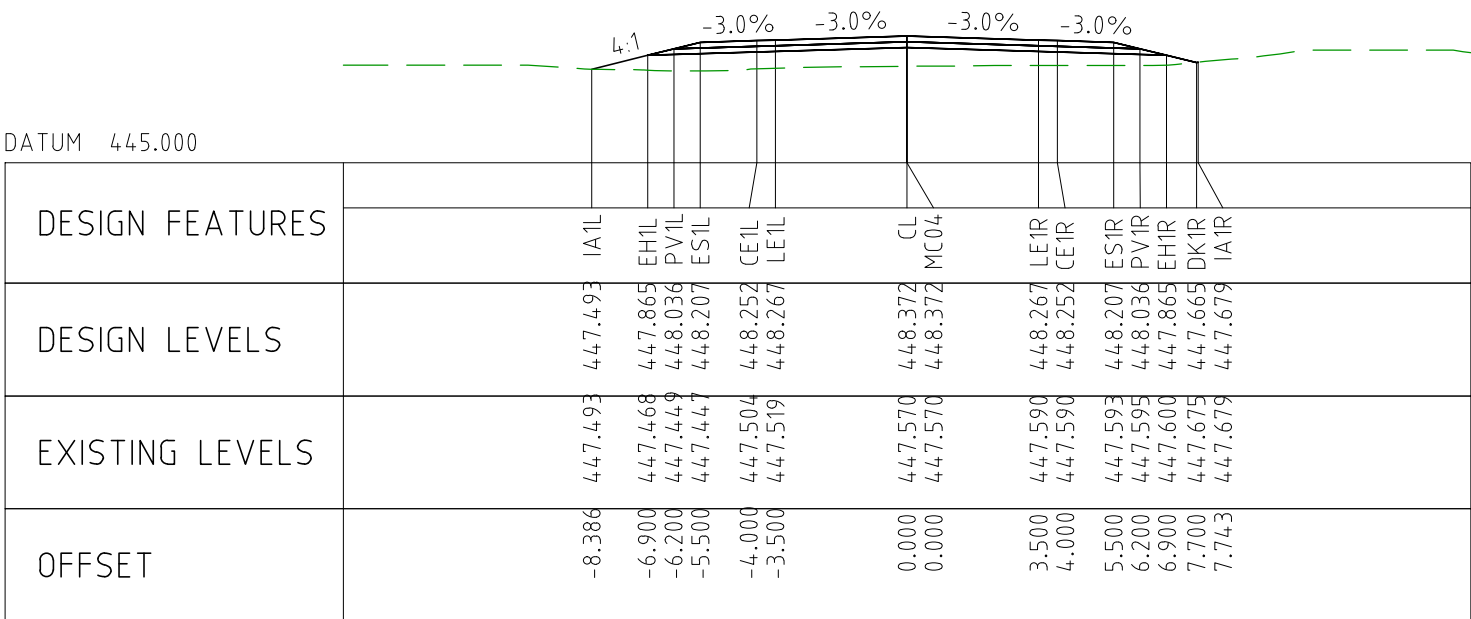
CHAINAGE 108450



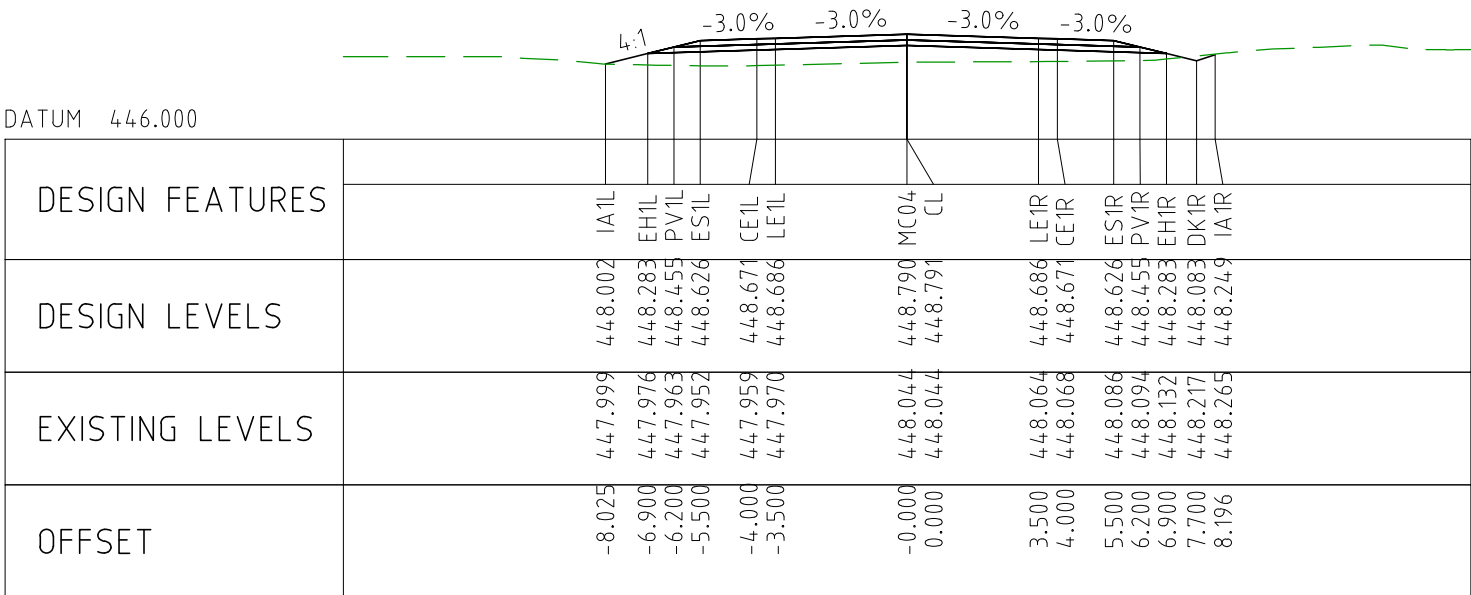
CHAINAGE 108400



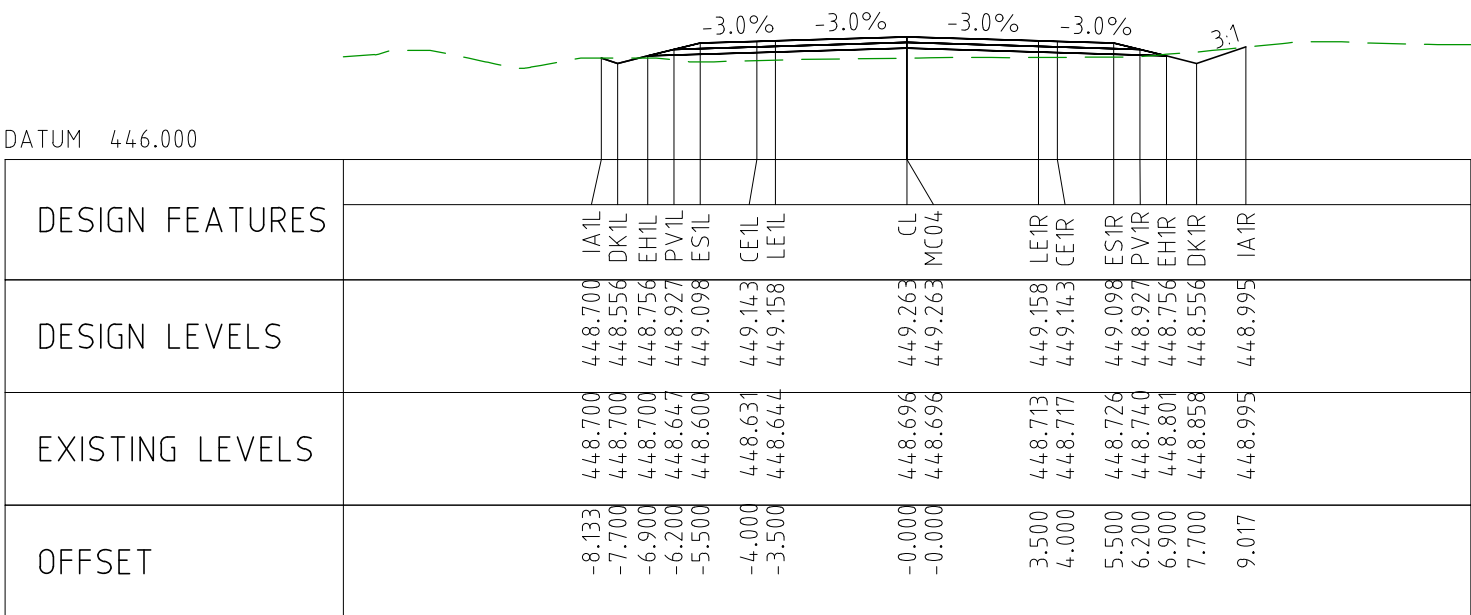
CHAINAGE 108350



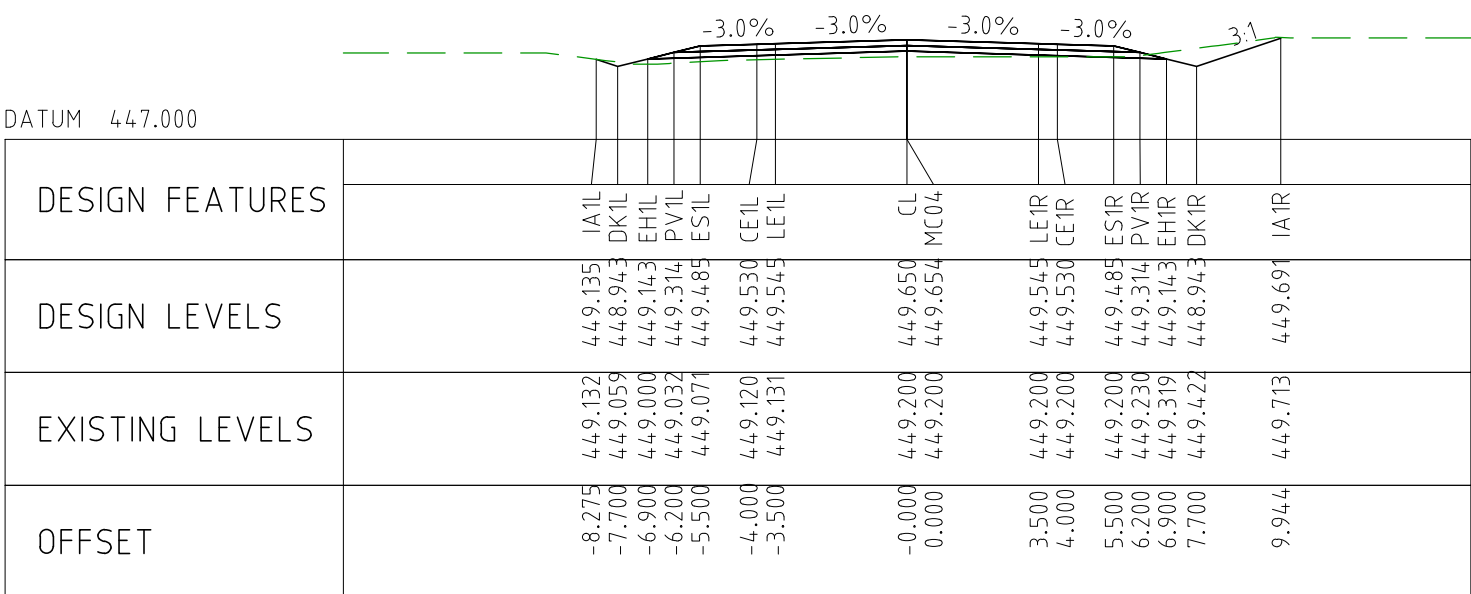
CHAINAGE 108800



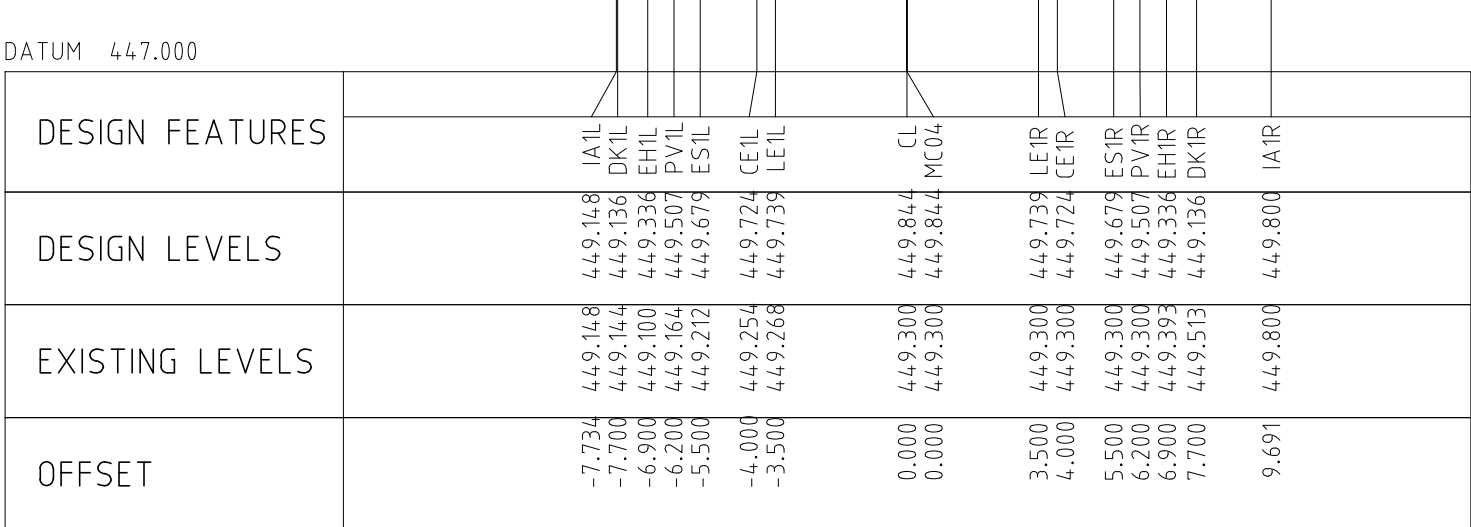
CHAINAGE 108750



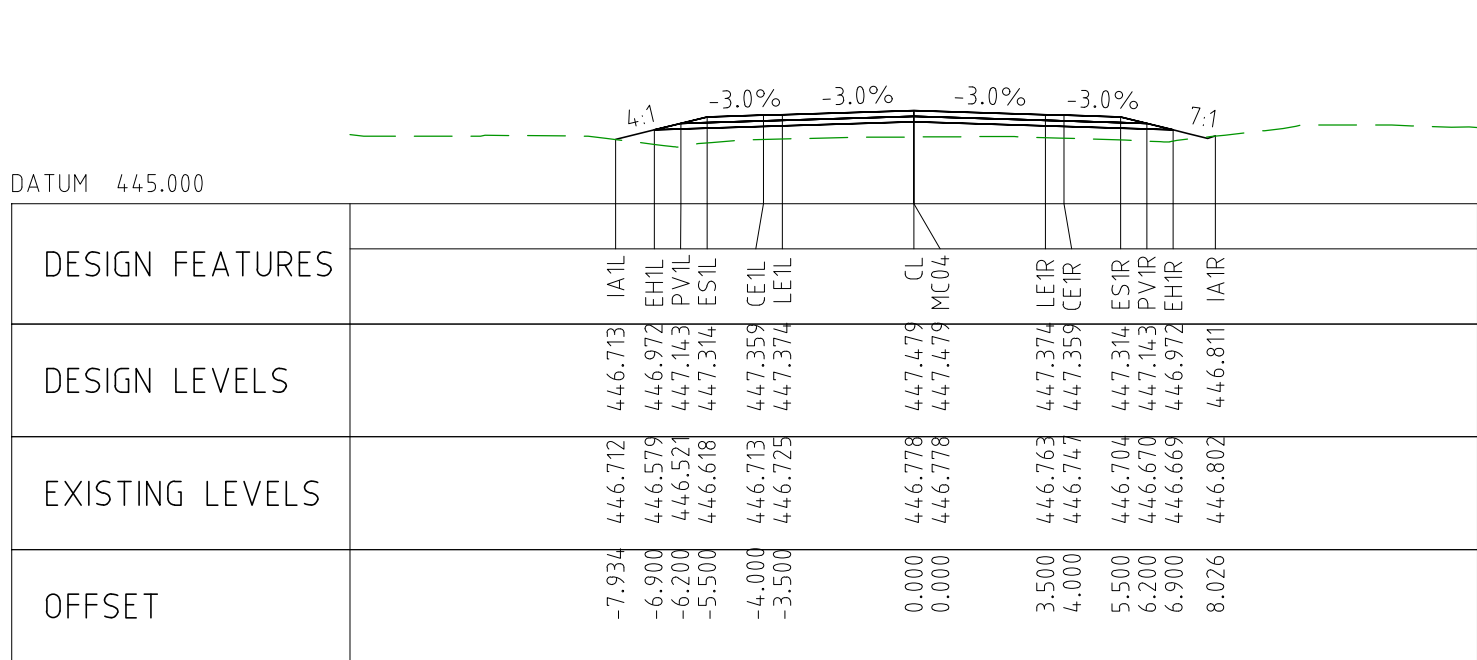
CHAINAGE 108700



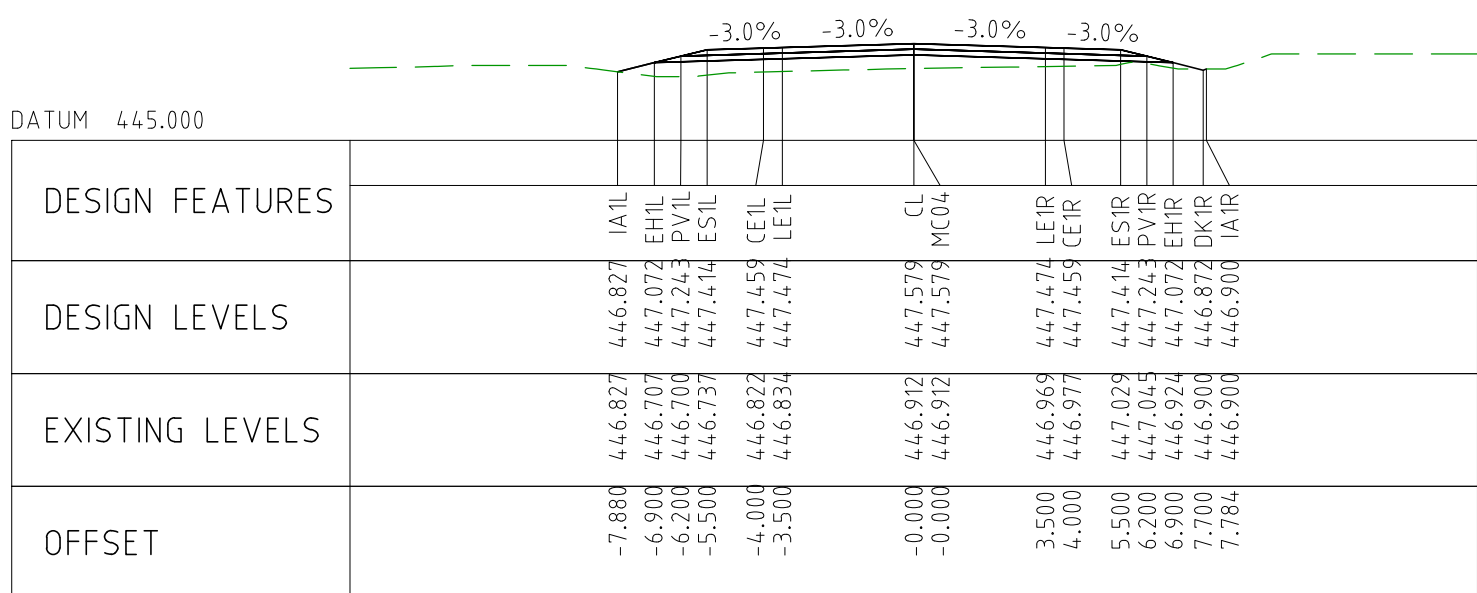
CHAINAGE 108650



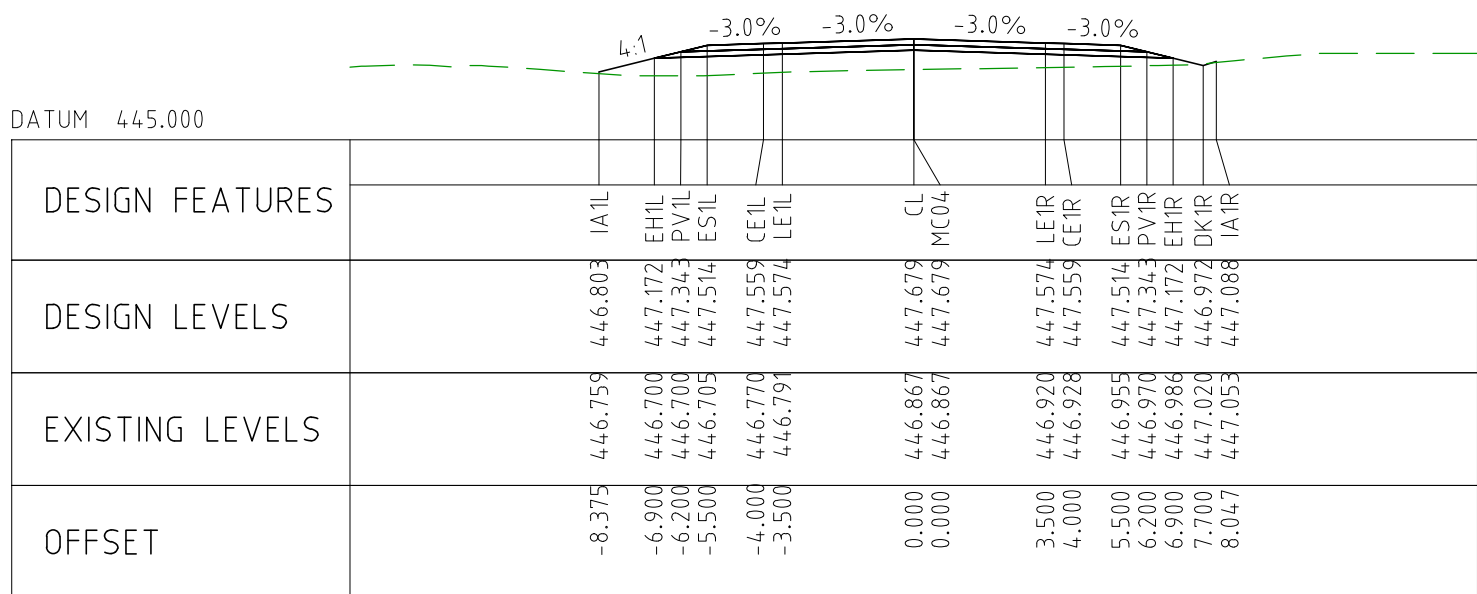
CHAINAGE 108600



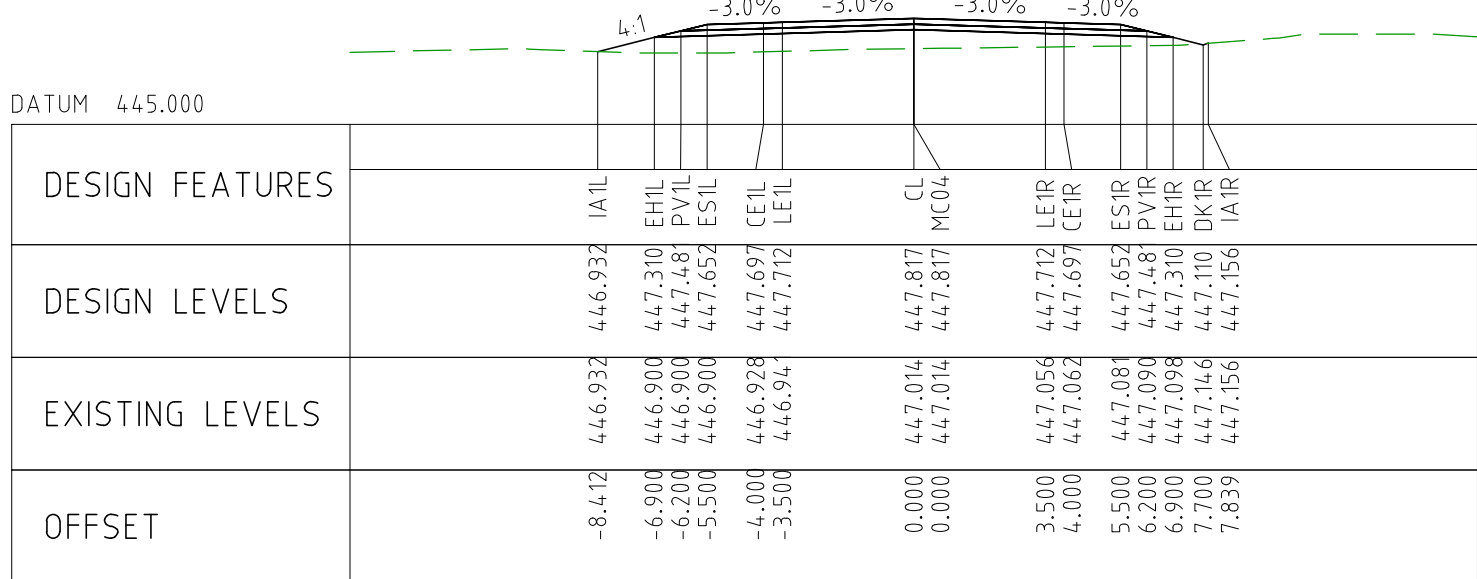
CHAINAGE 109050



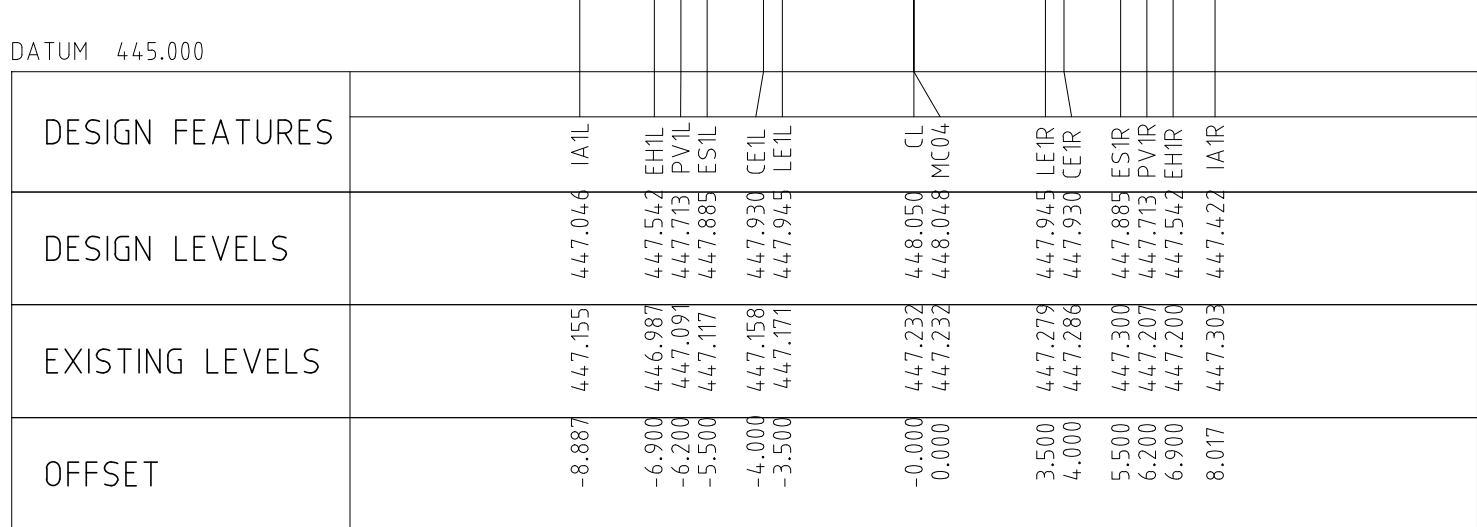
CHAINAGE 109000

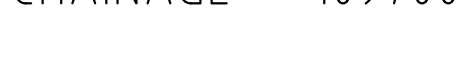
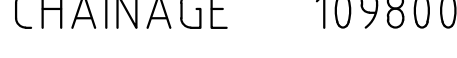
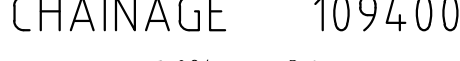
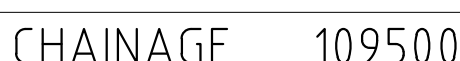
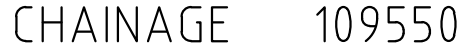
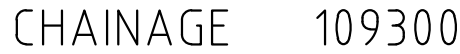


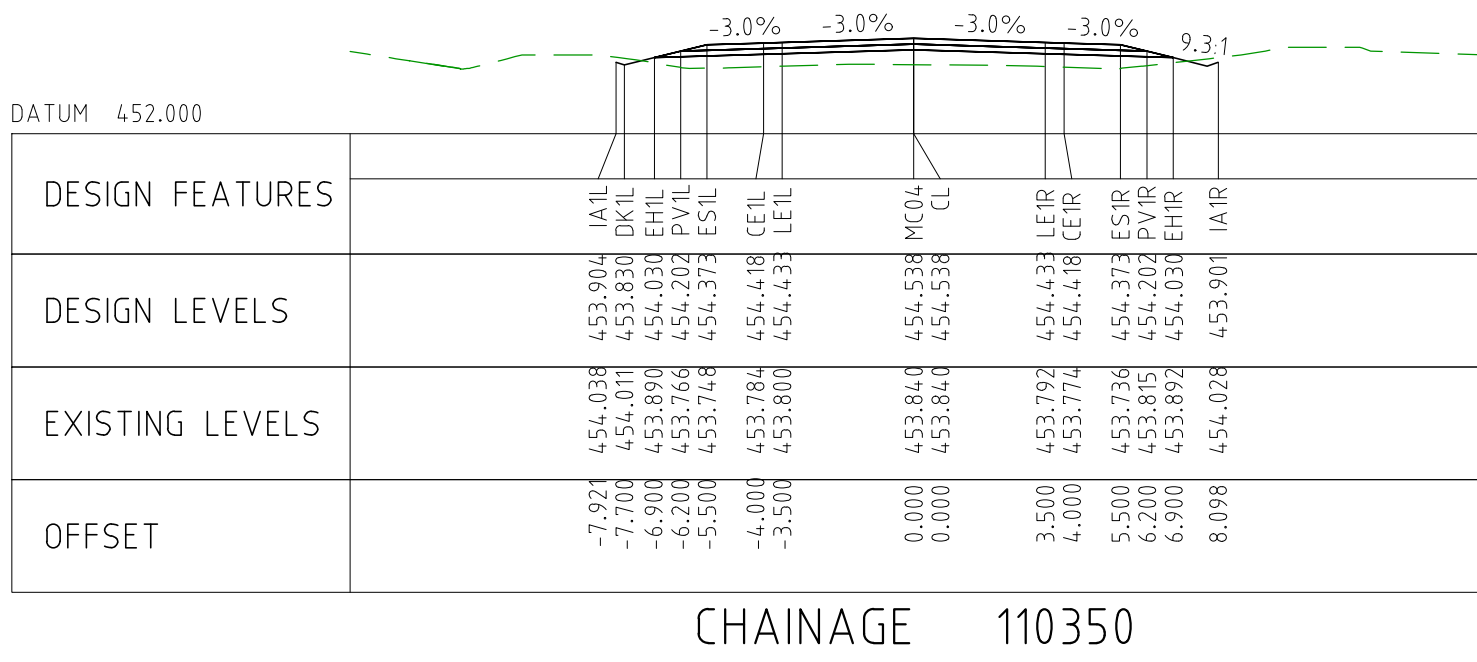
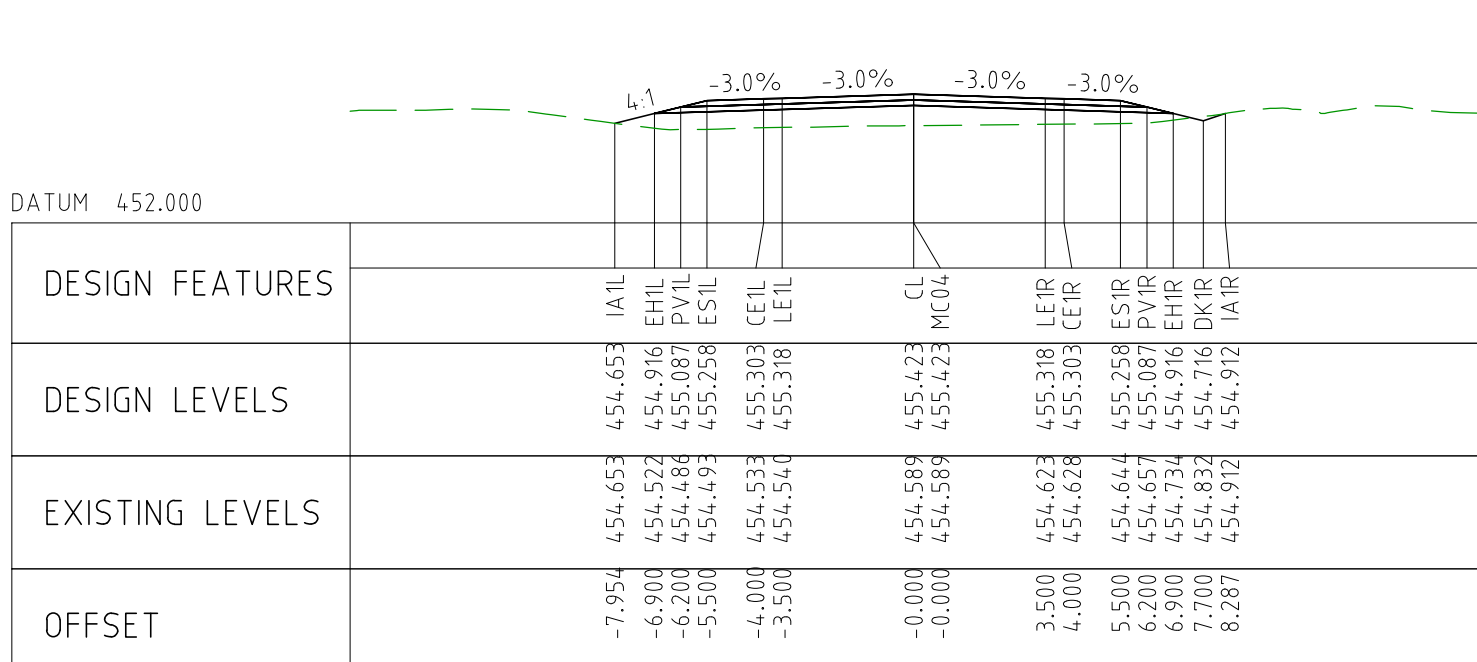
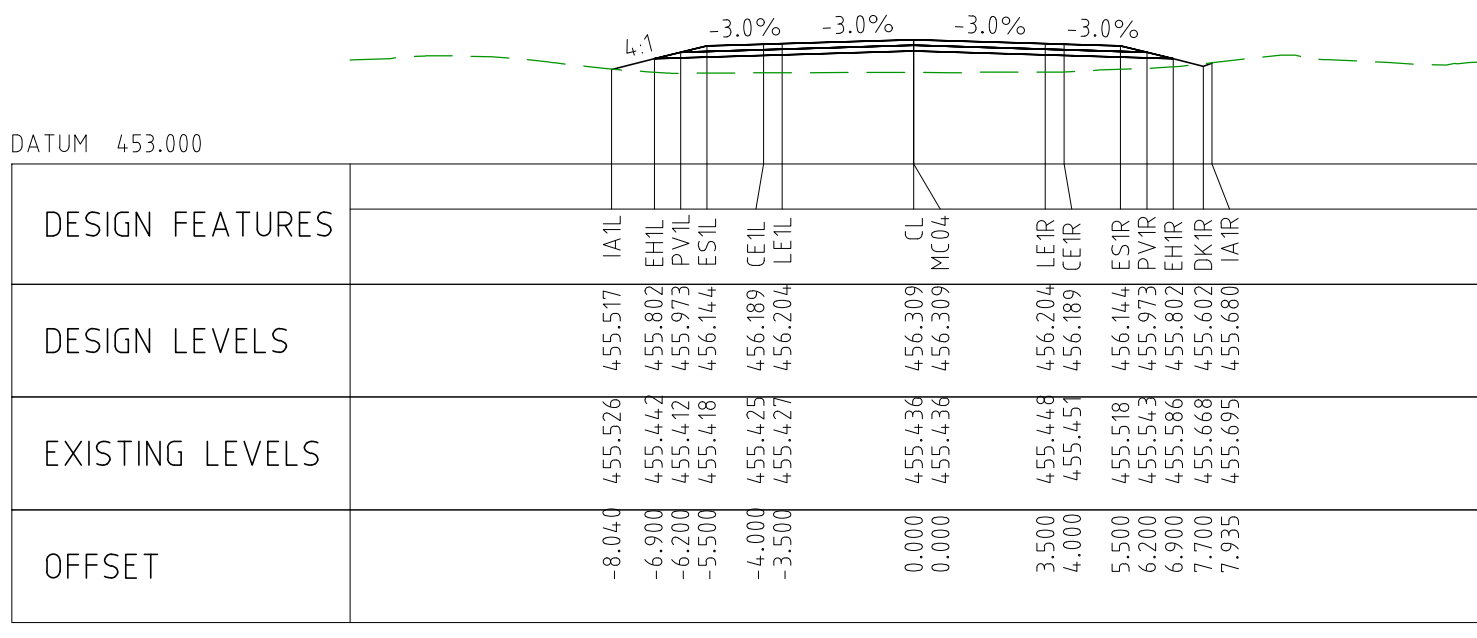
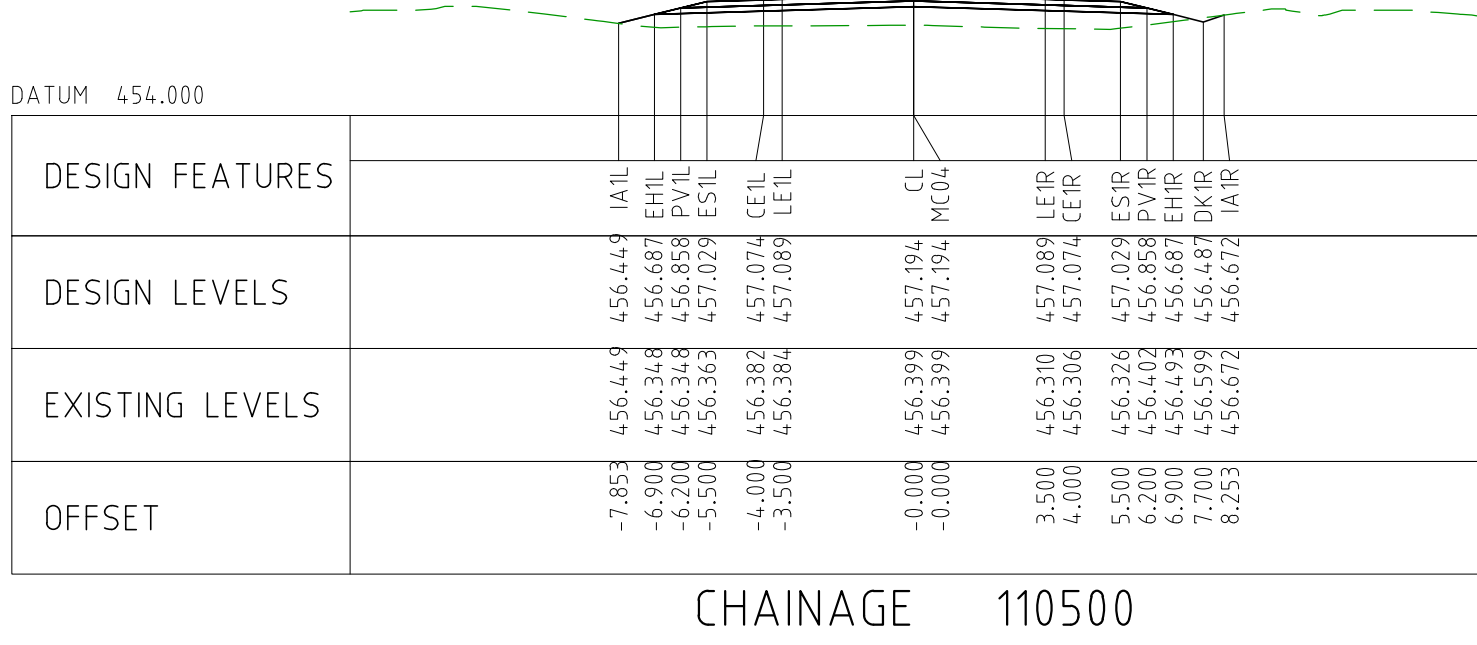
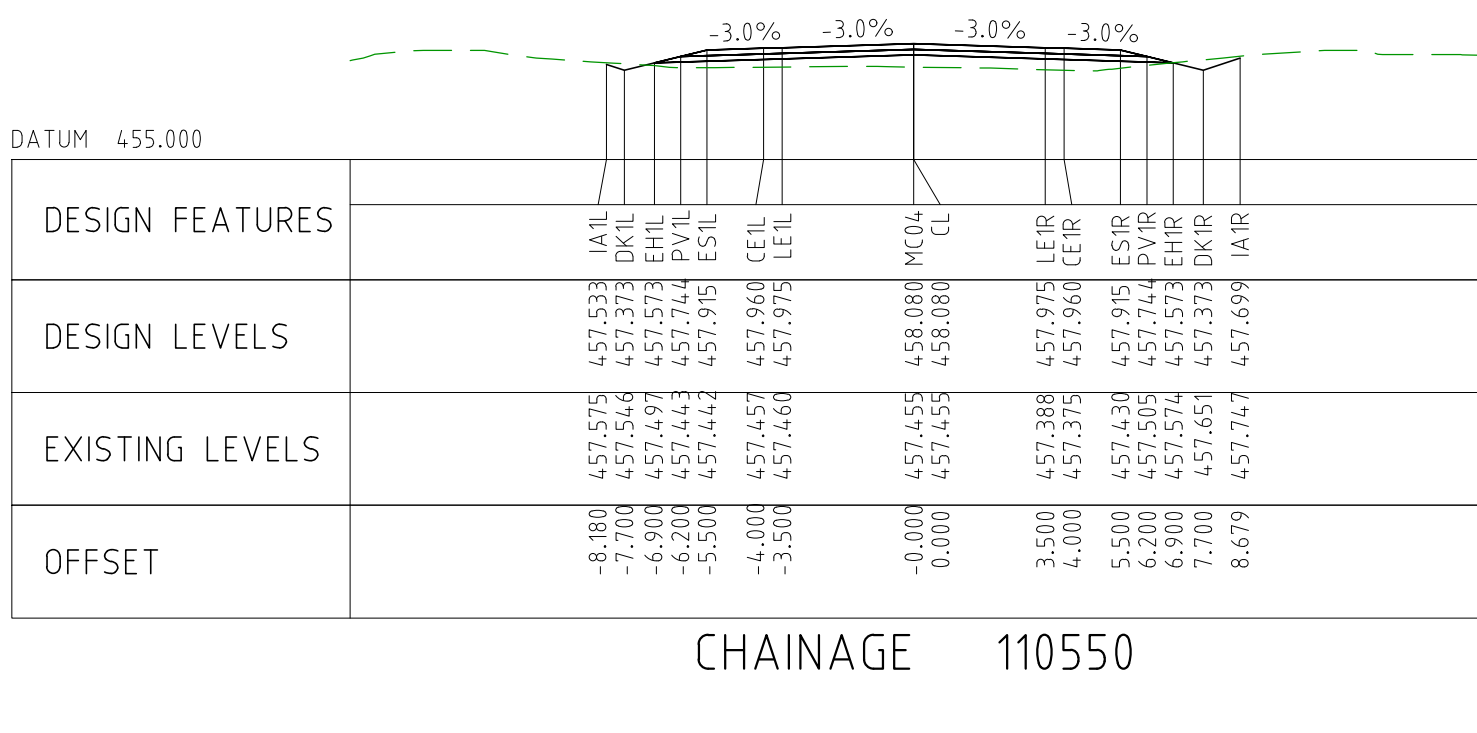
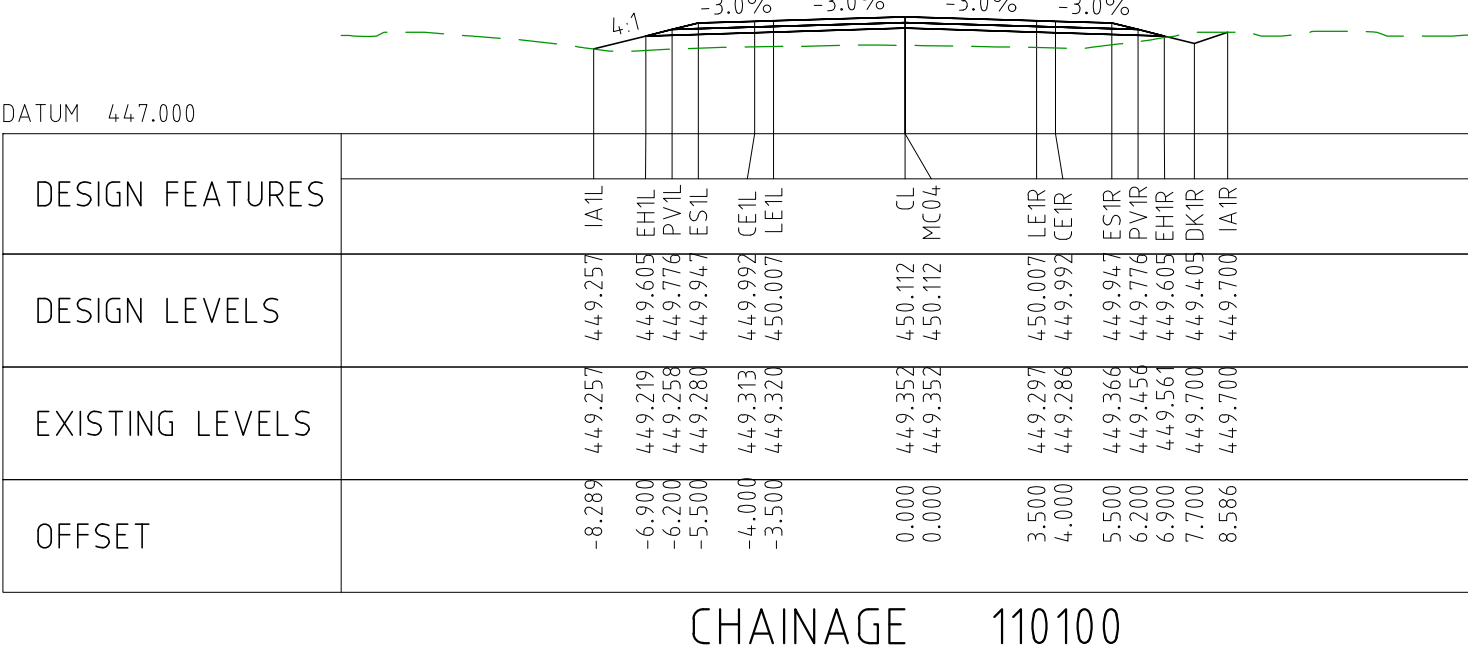
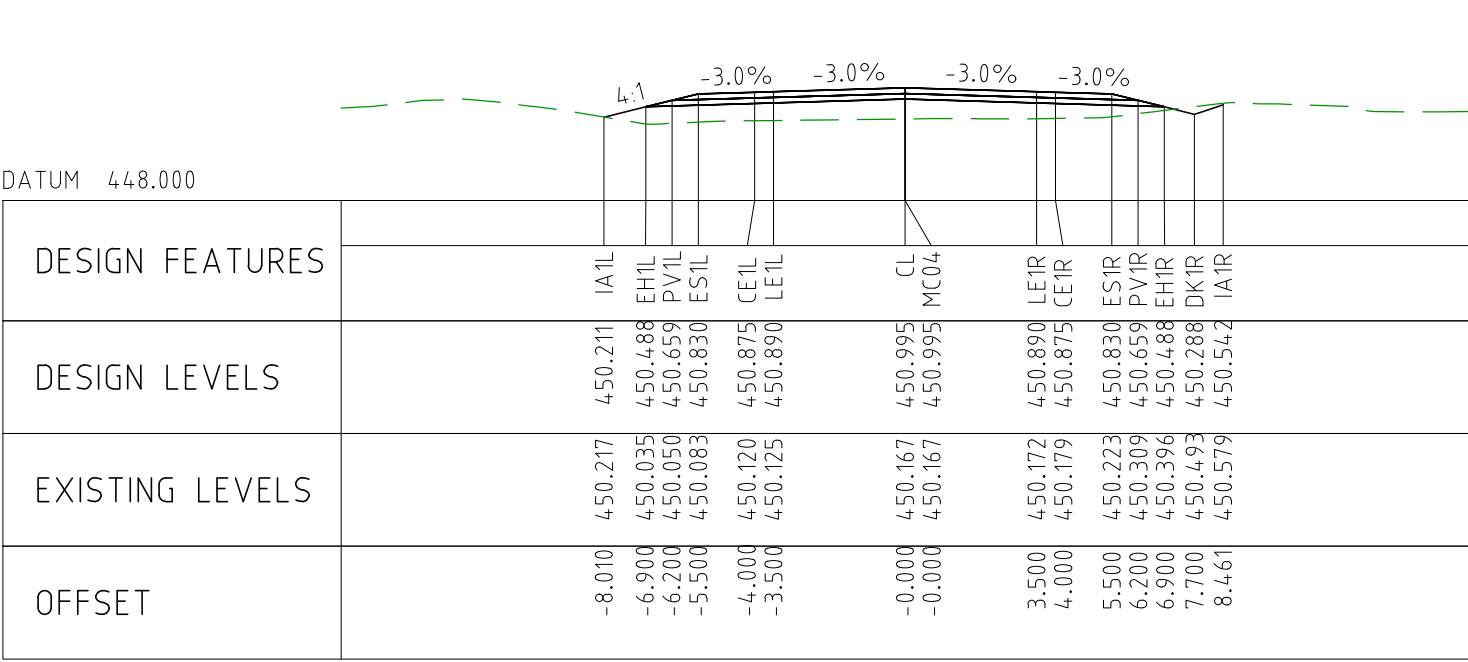
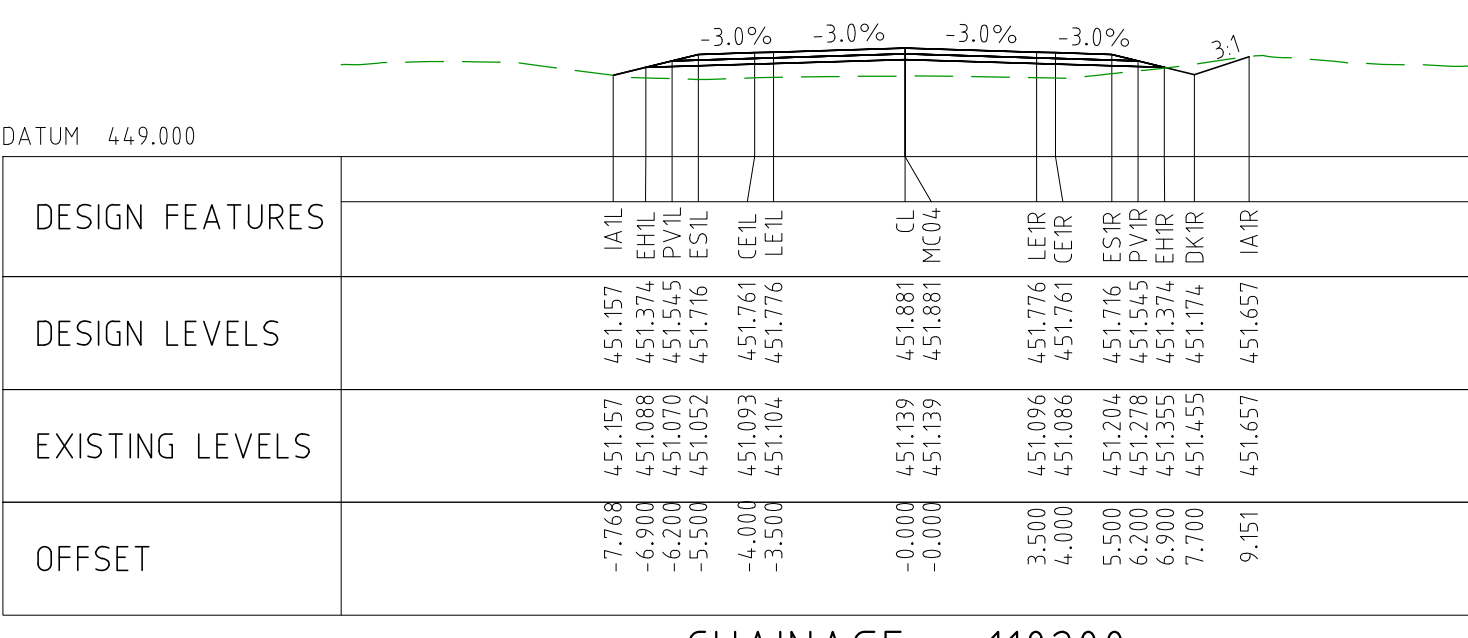
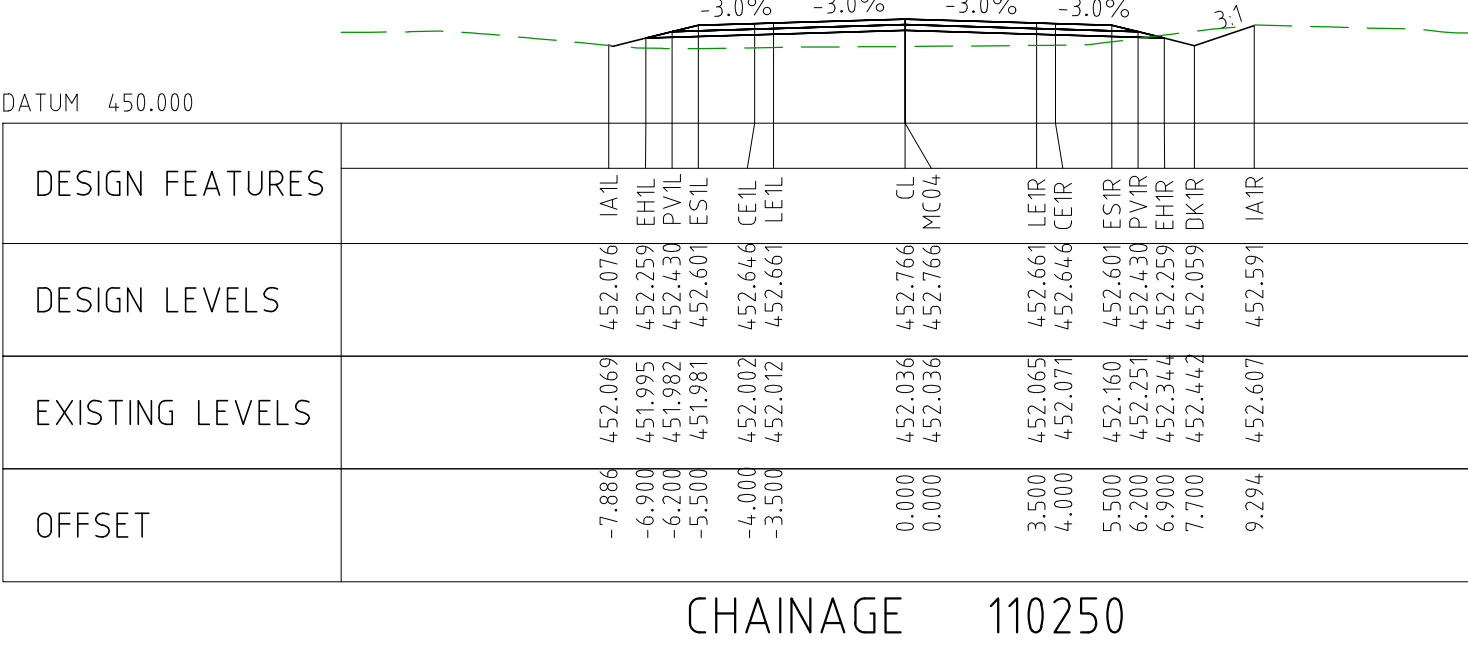
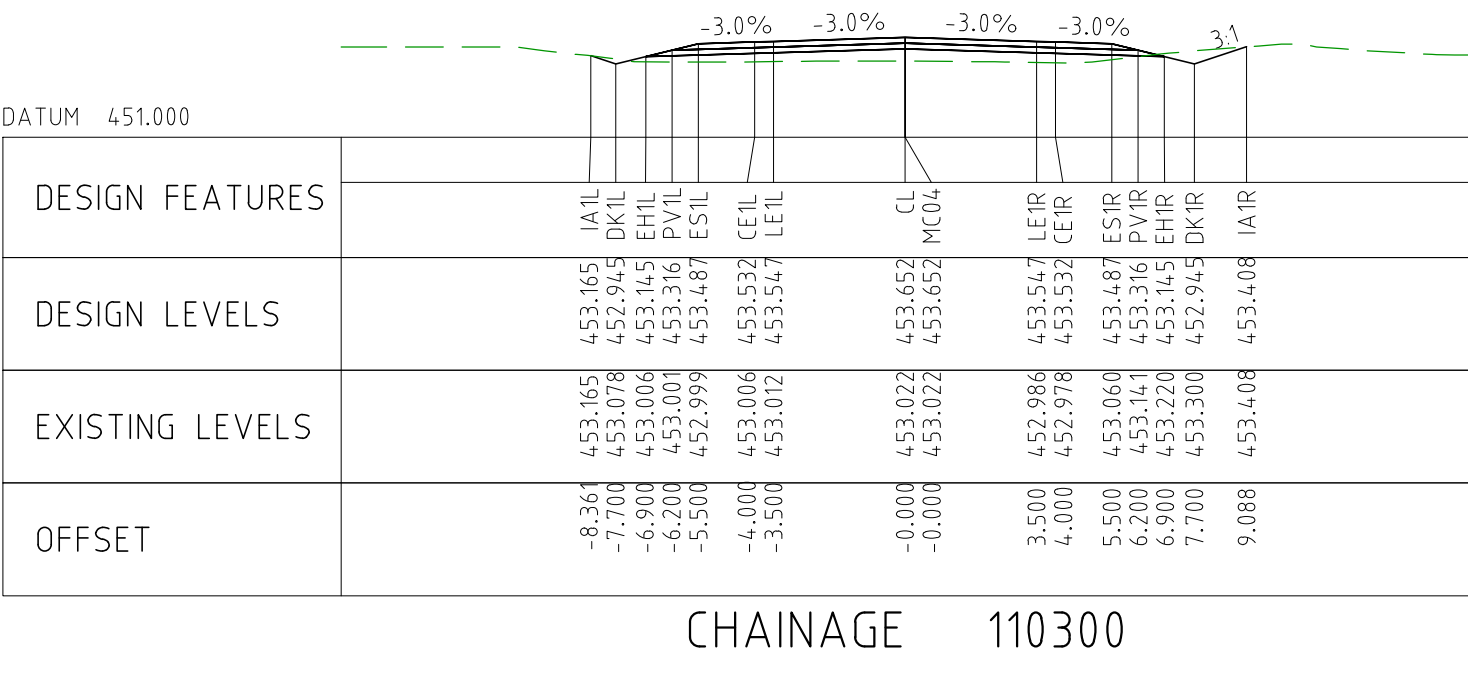
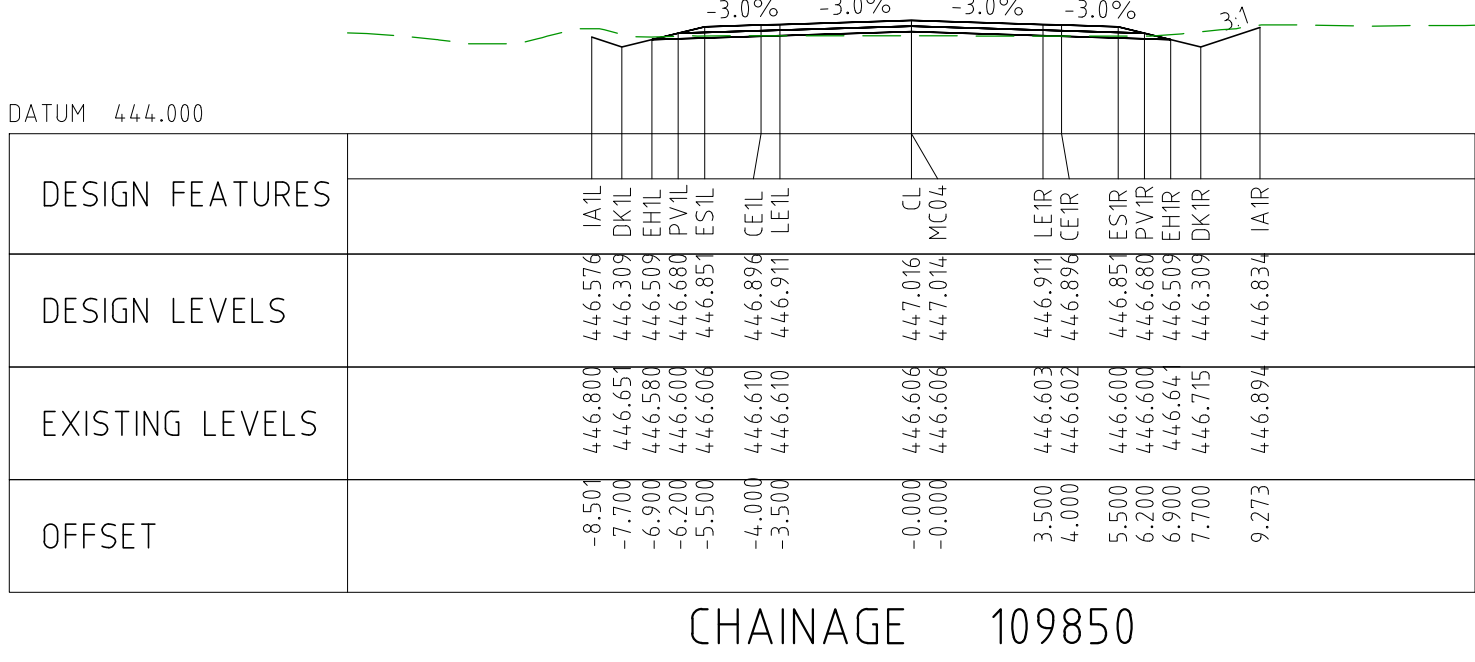
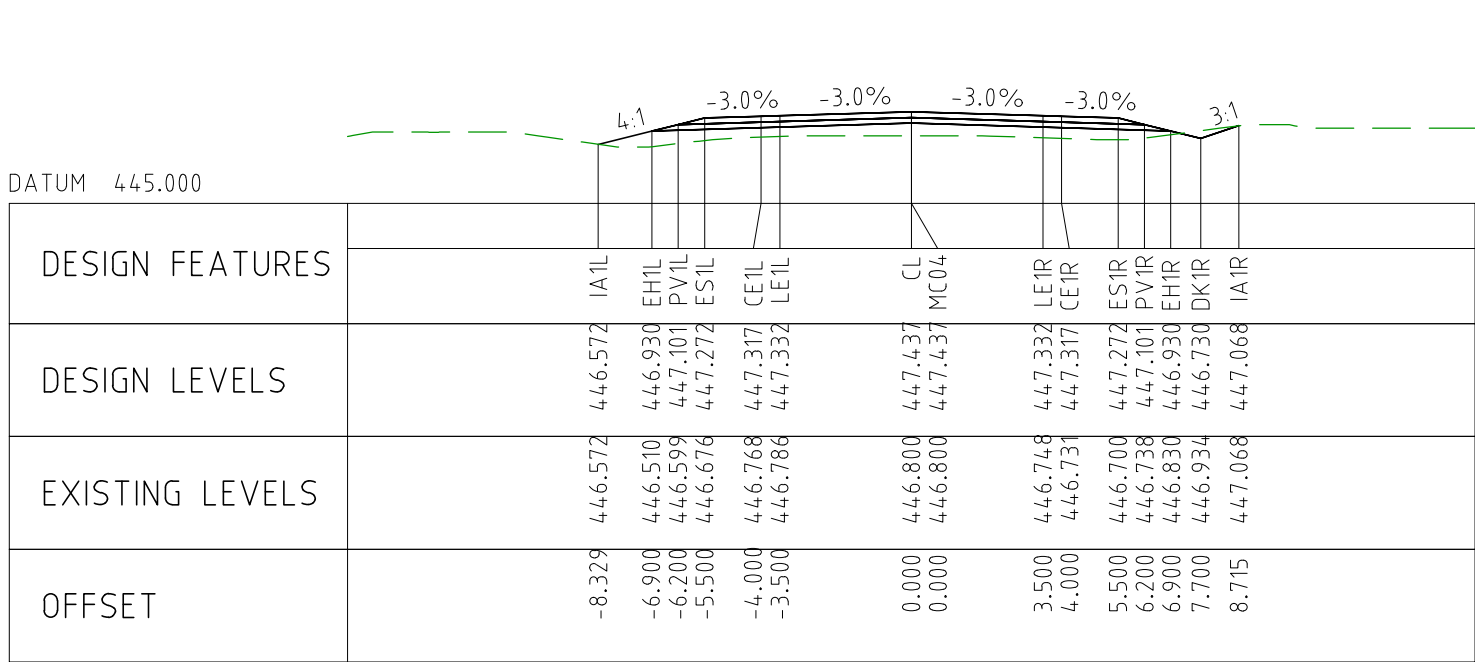
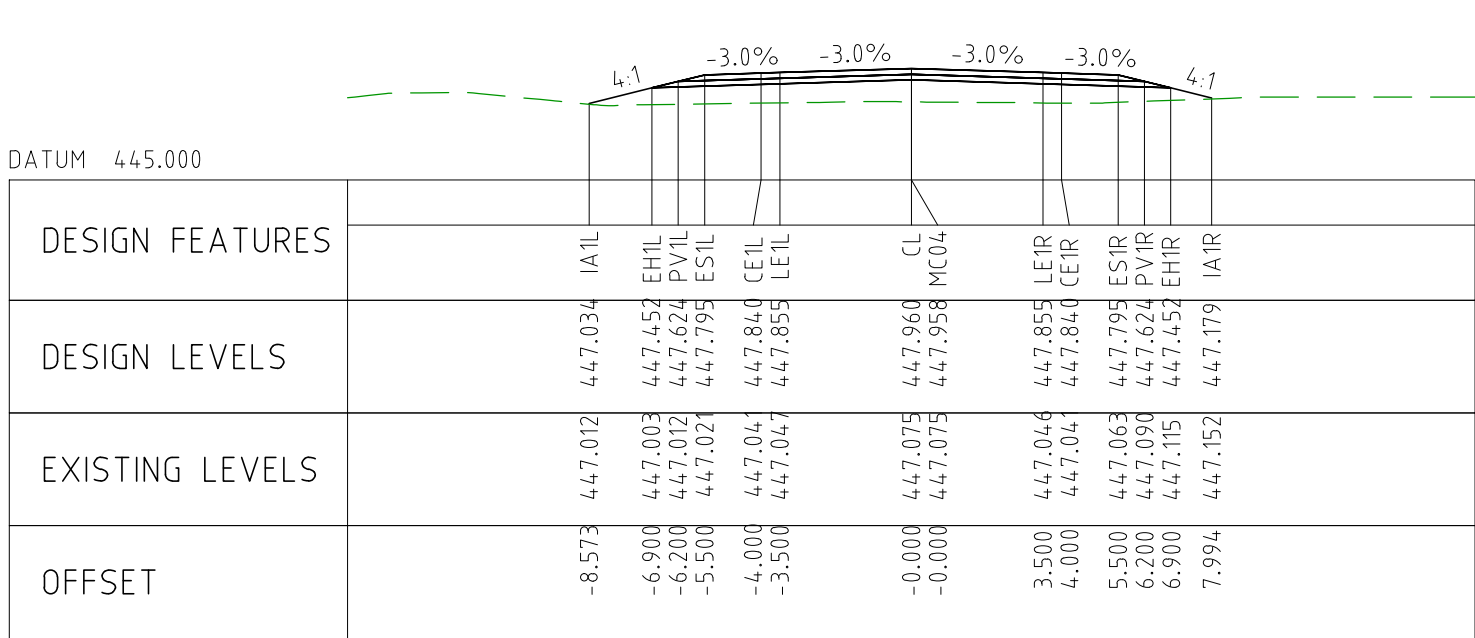
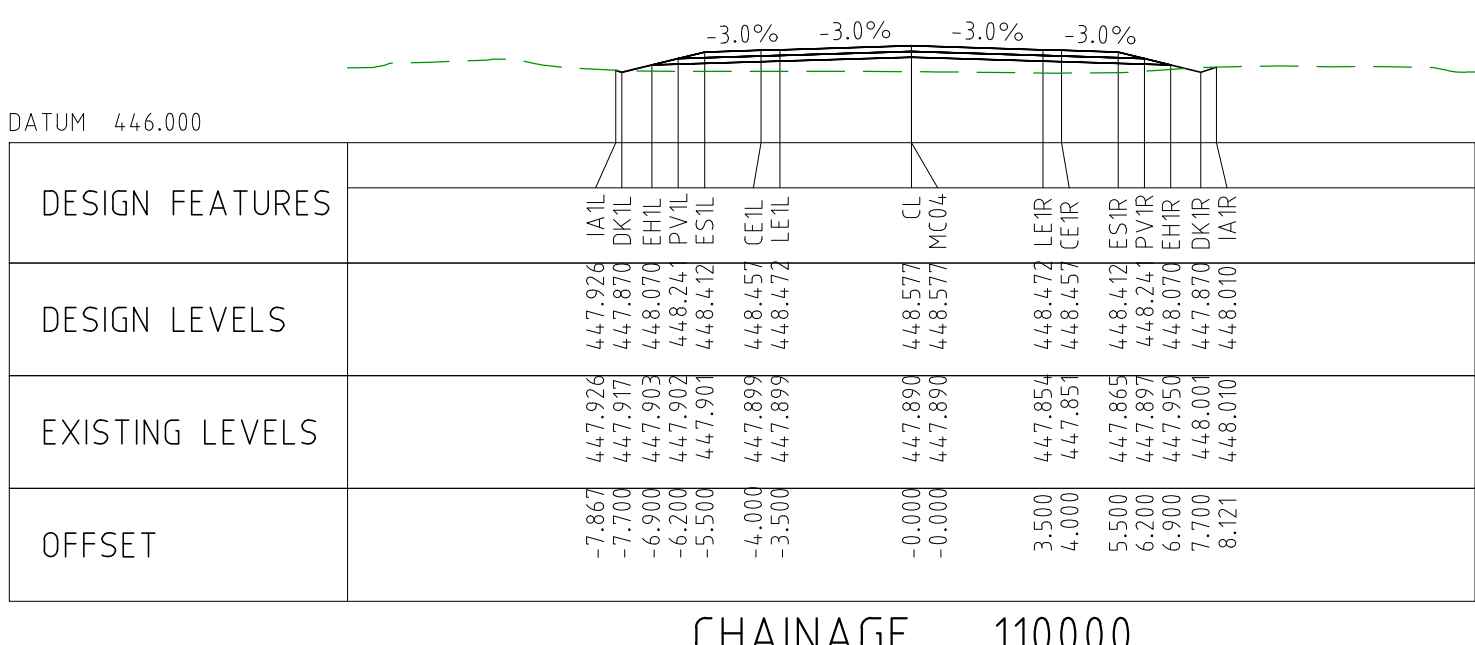
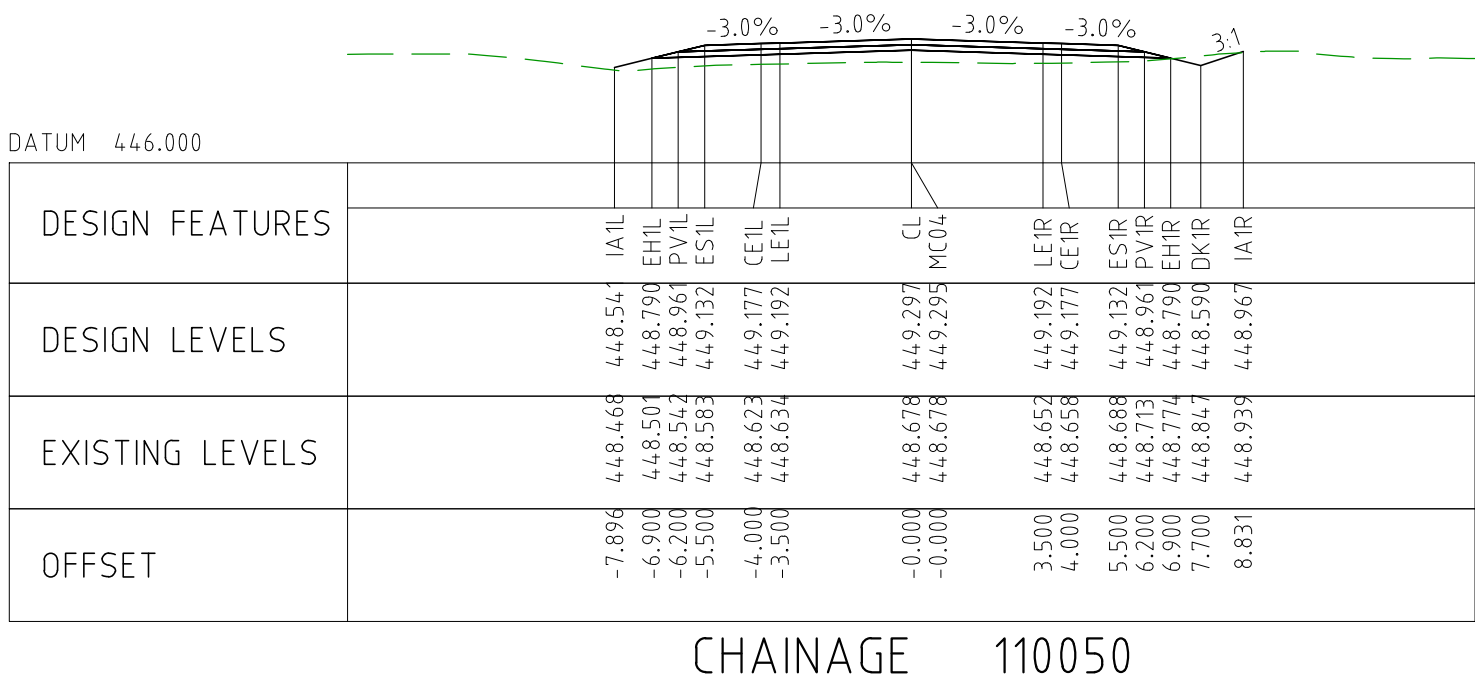
CHAINAGE 108950

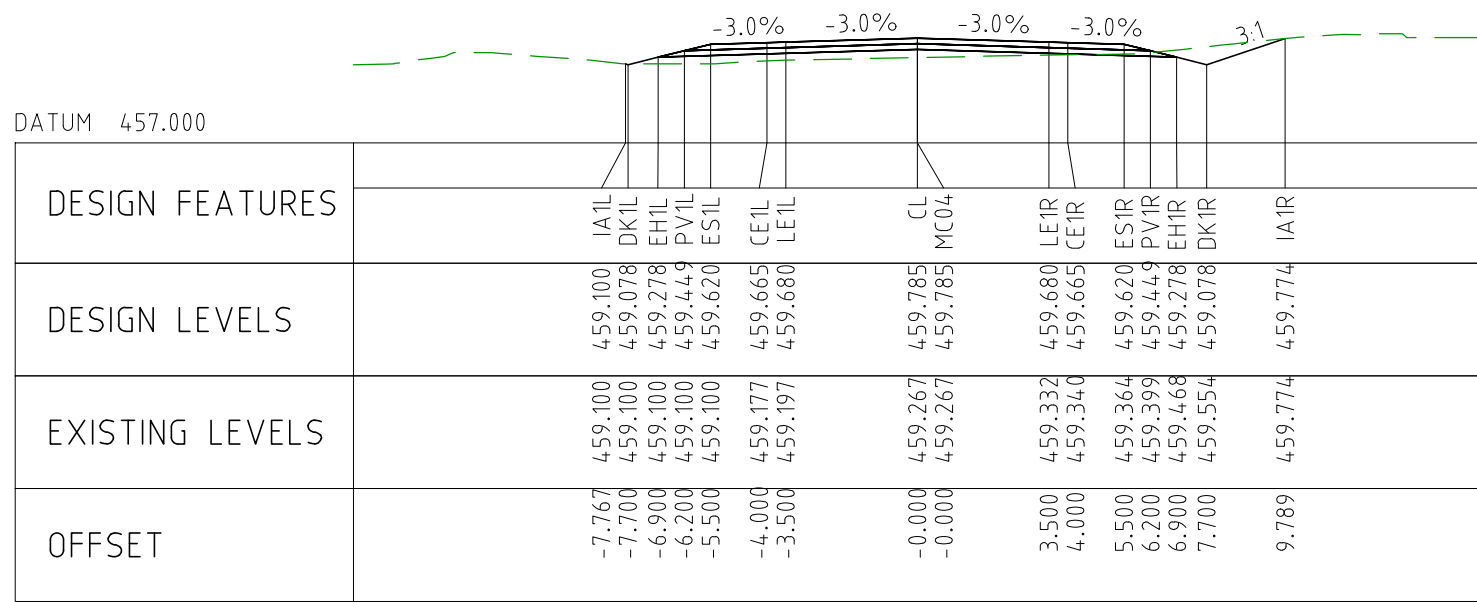


CHAINAGE 108900

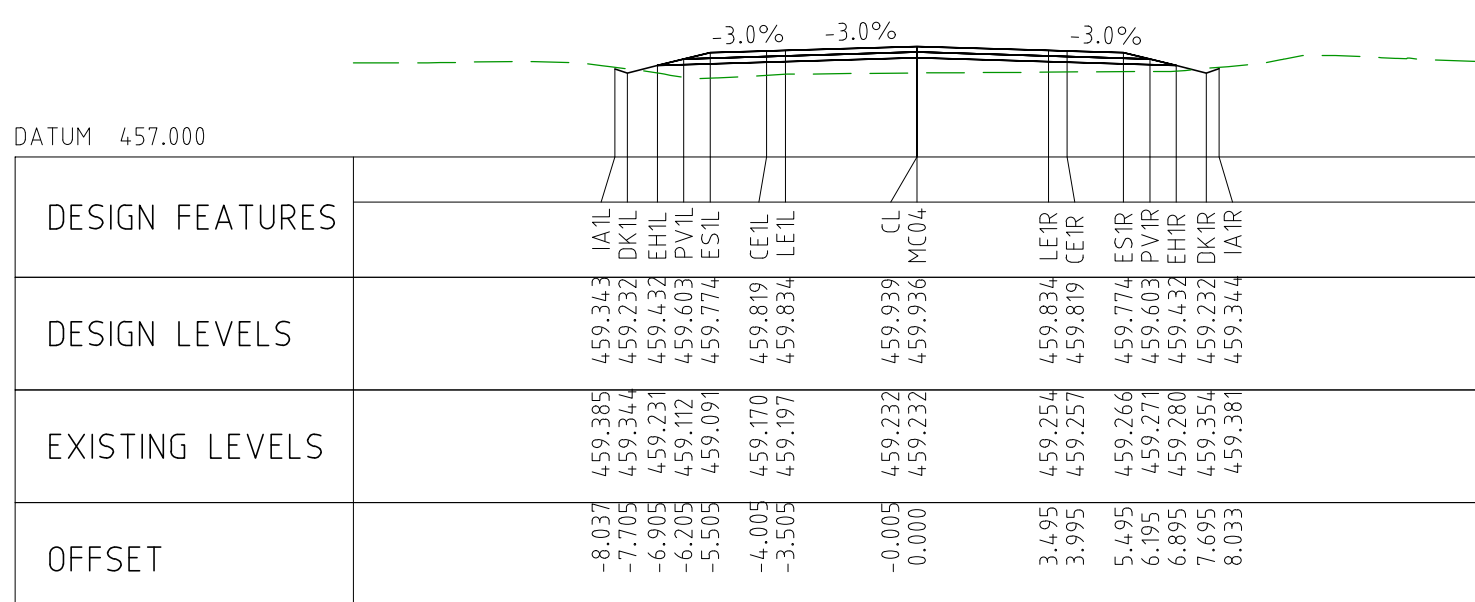




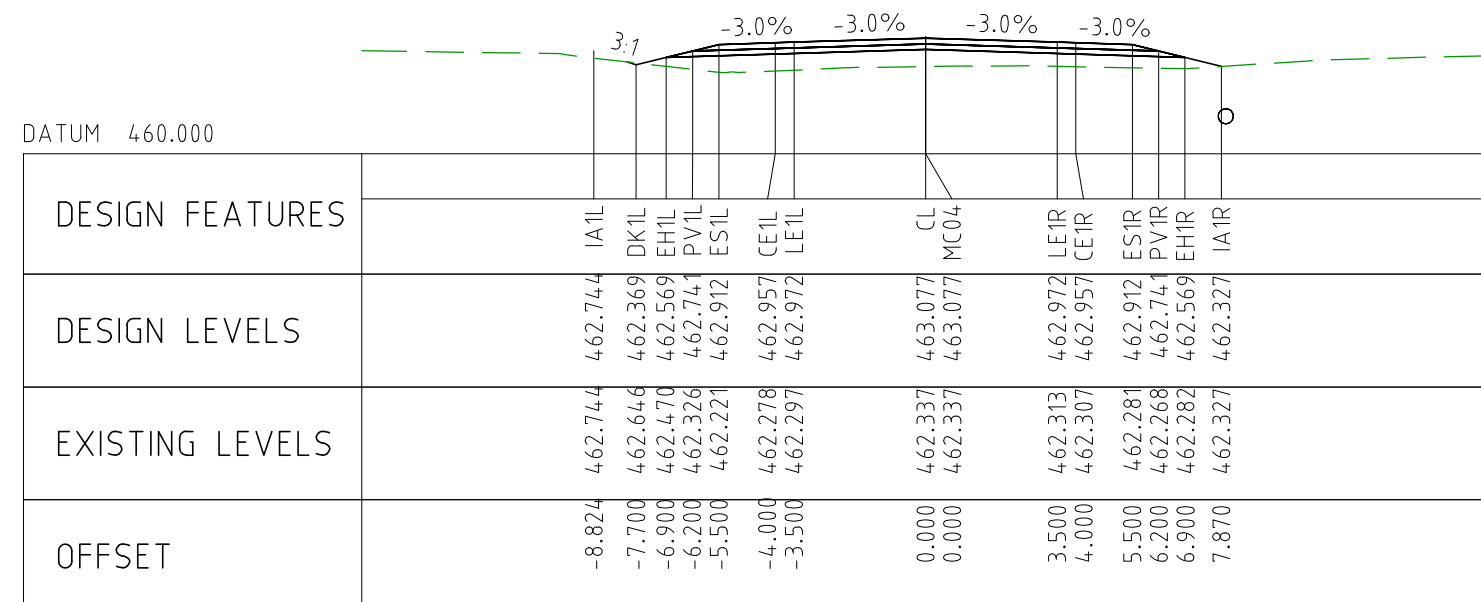




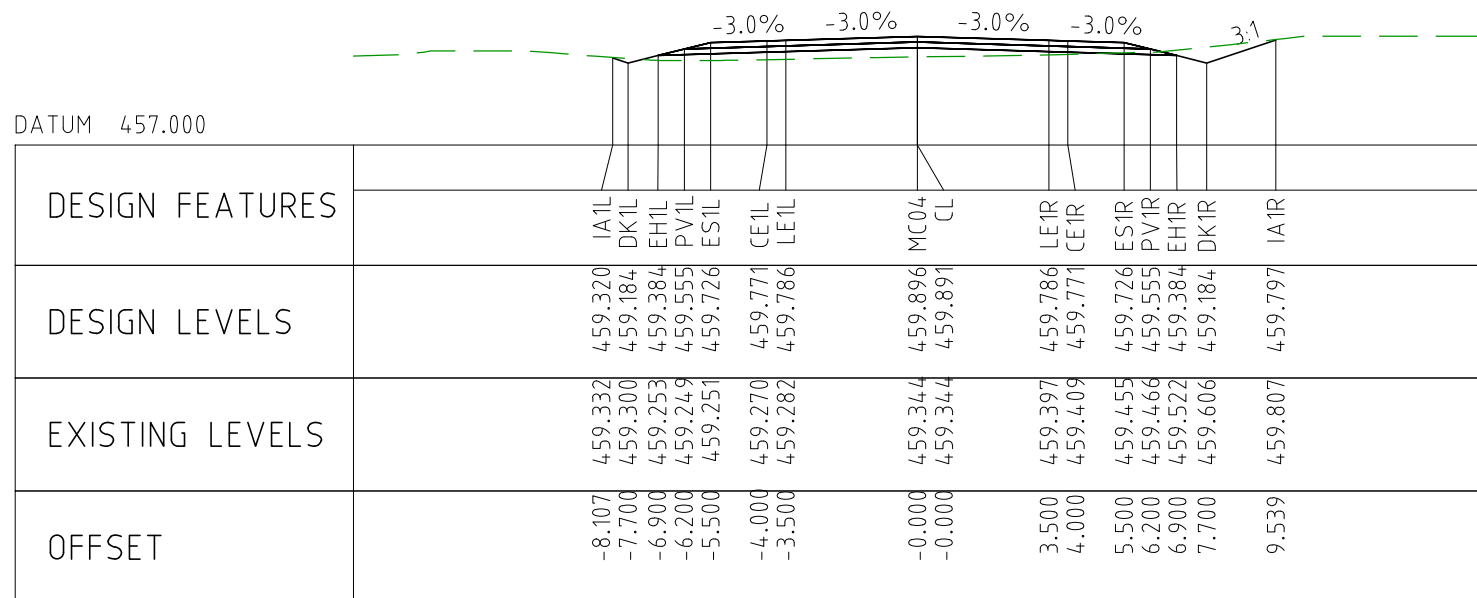
CHAINAGE 110800



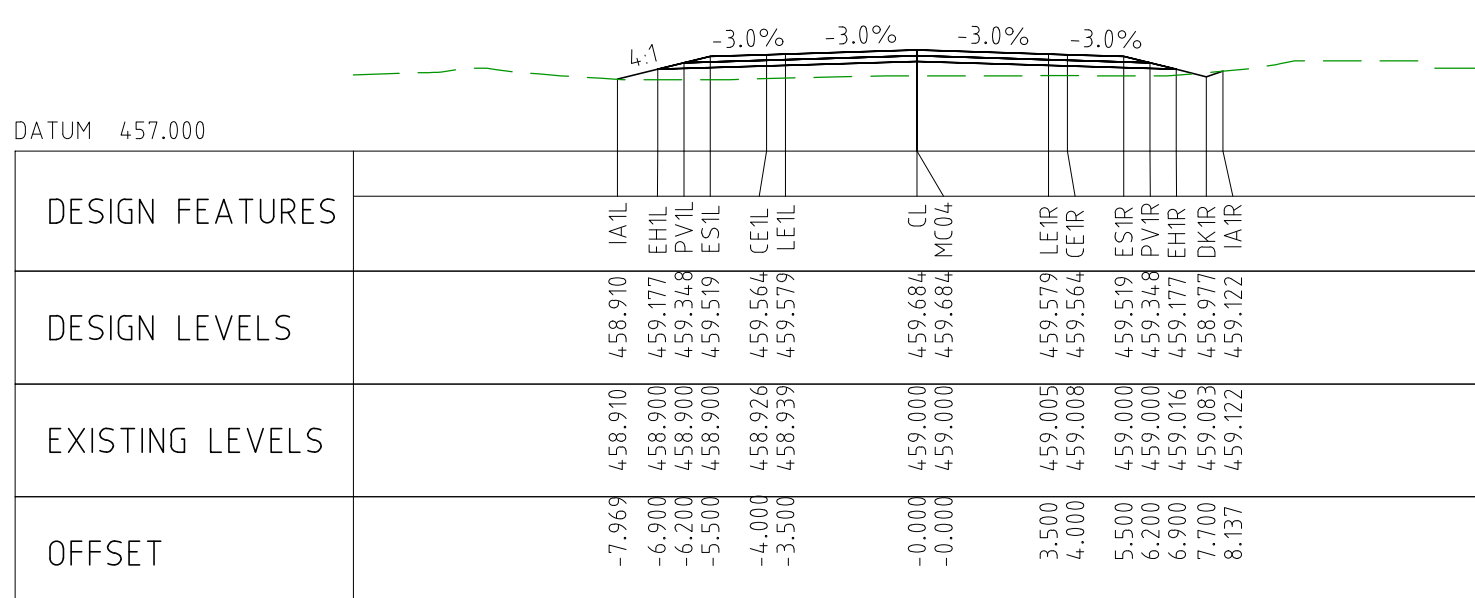
CHAINAGE 111050



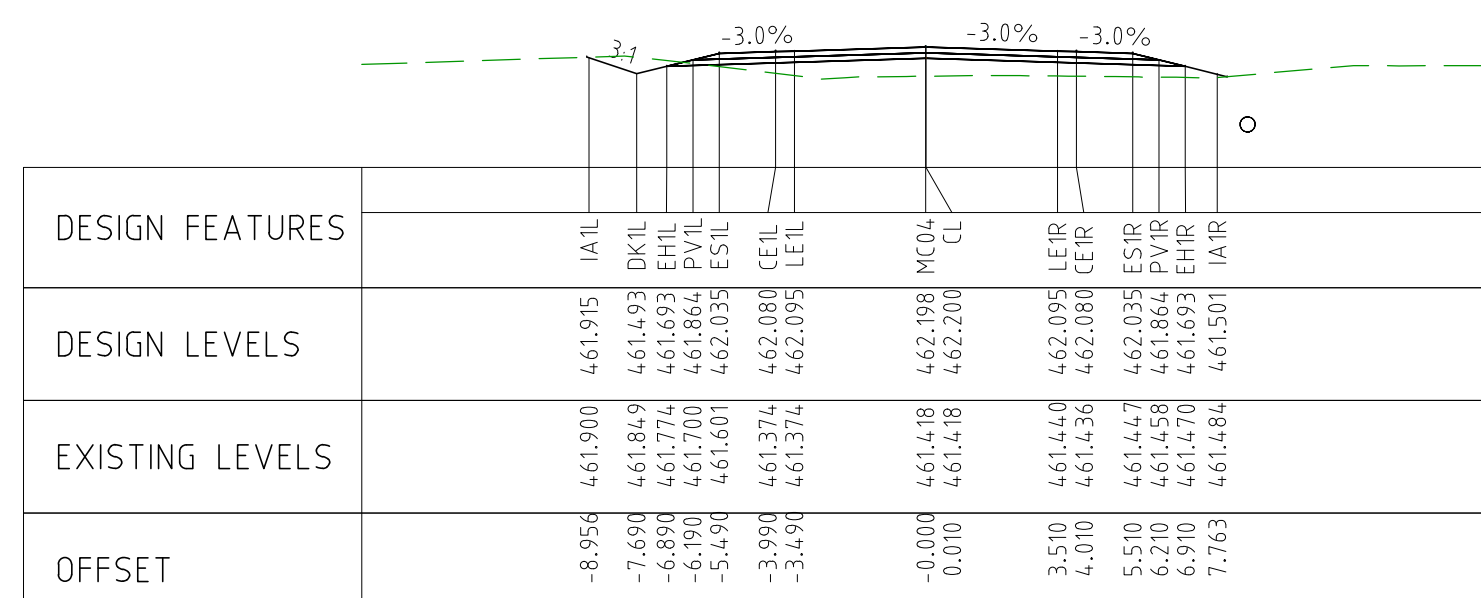
CHAINAGE 111300



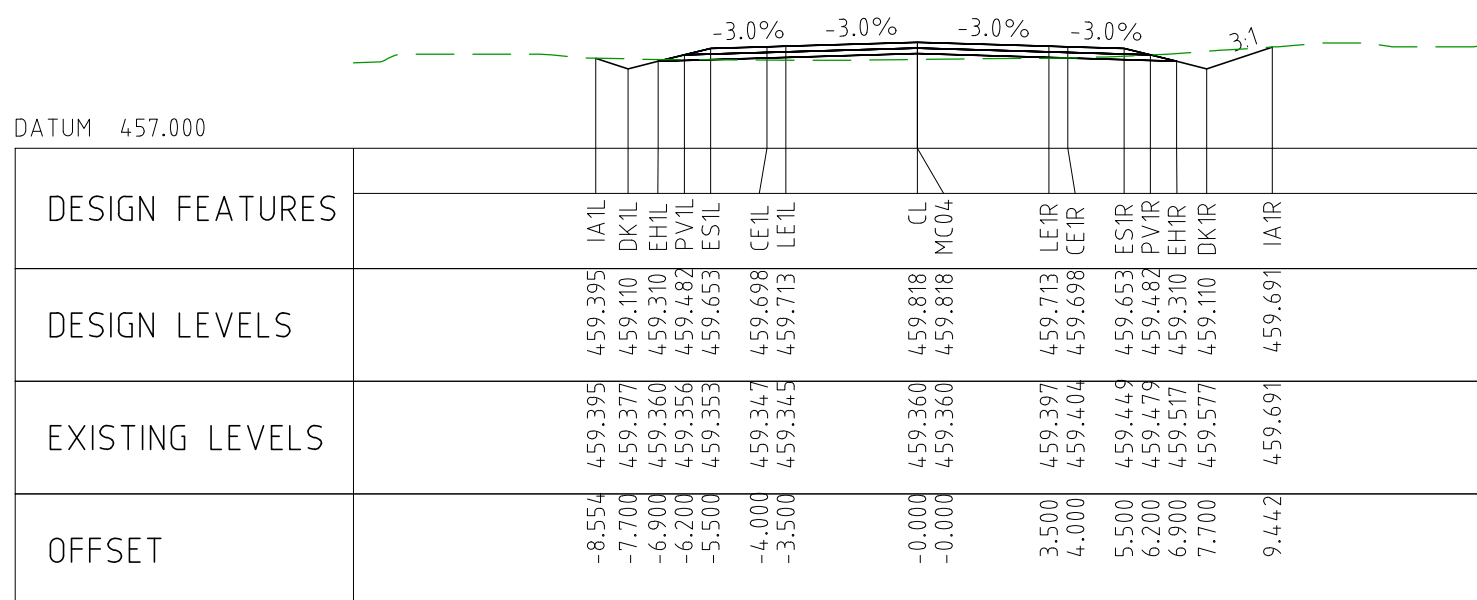
CHAINAGE 110750



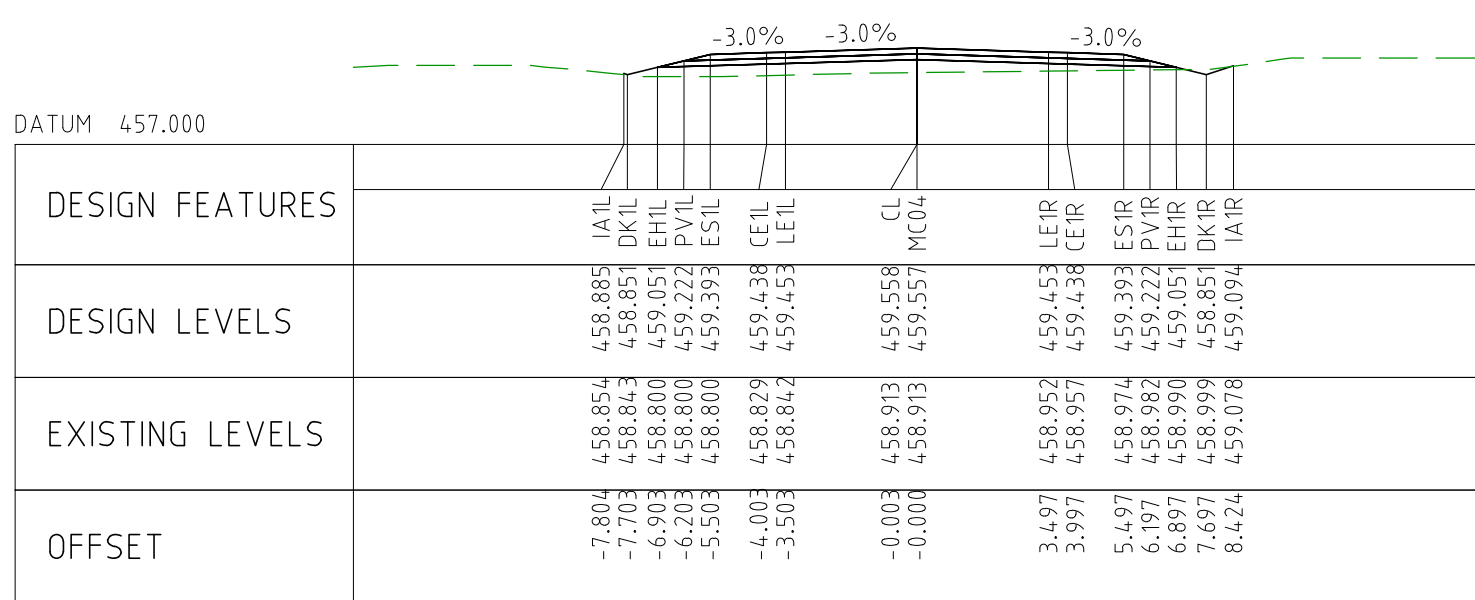
CHAINAGE 111000



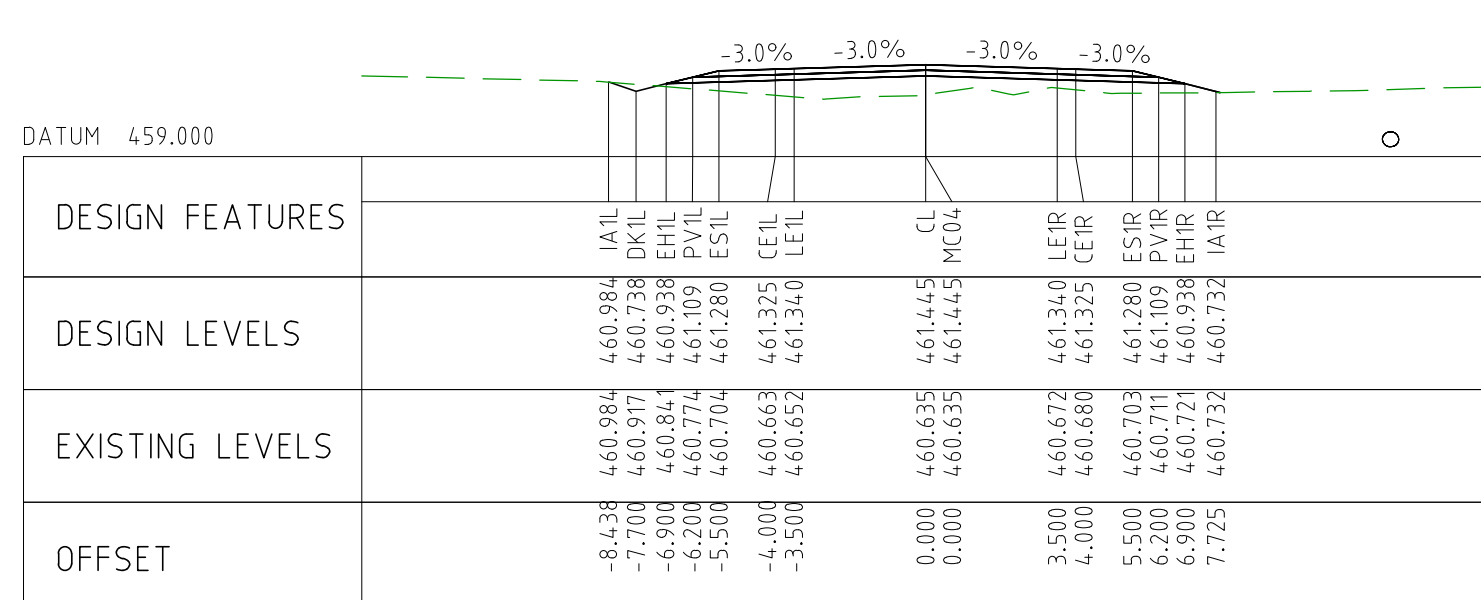
CHAINAGE 111250



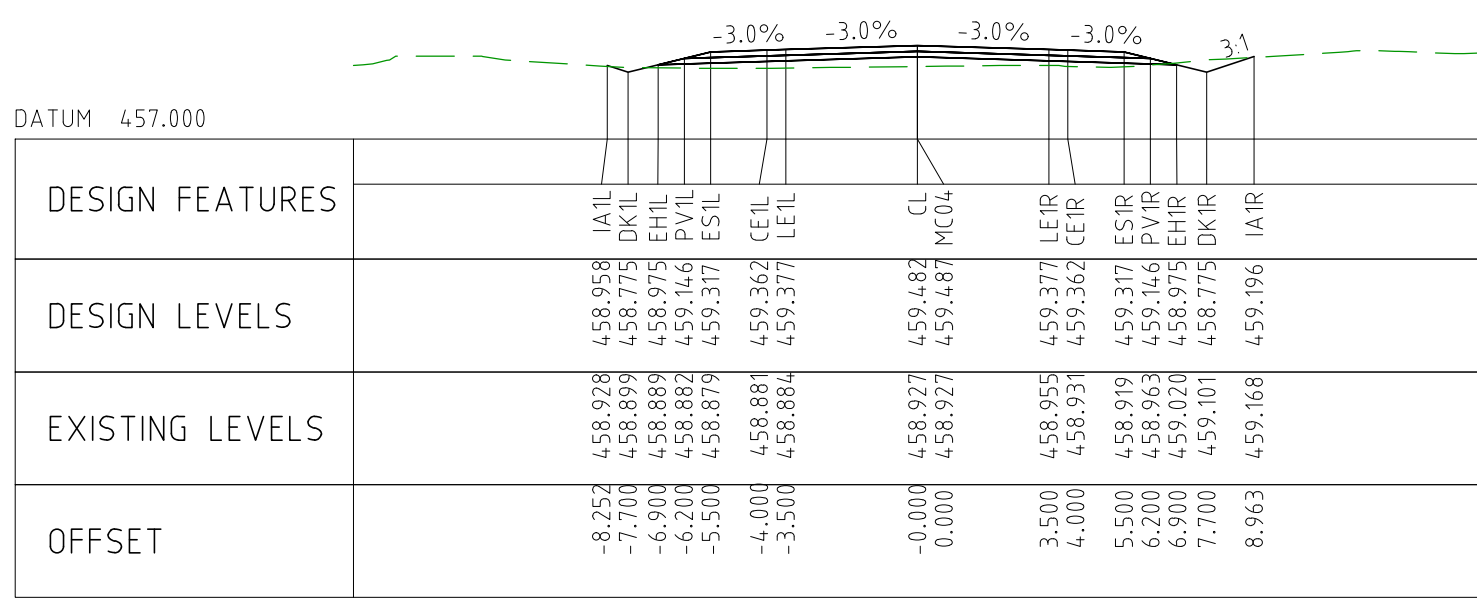
CHAINAGE 110700



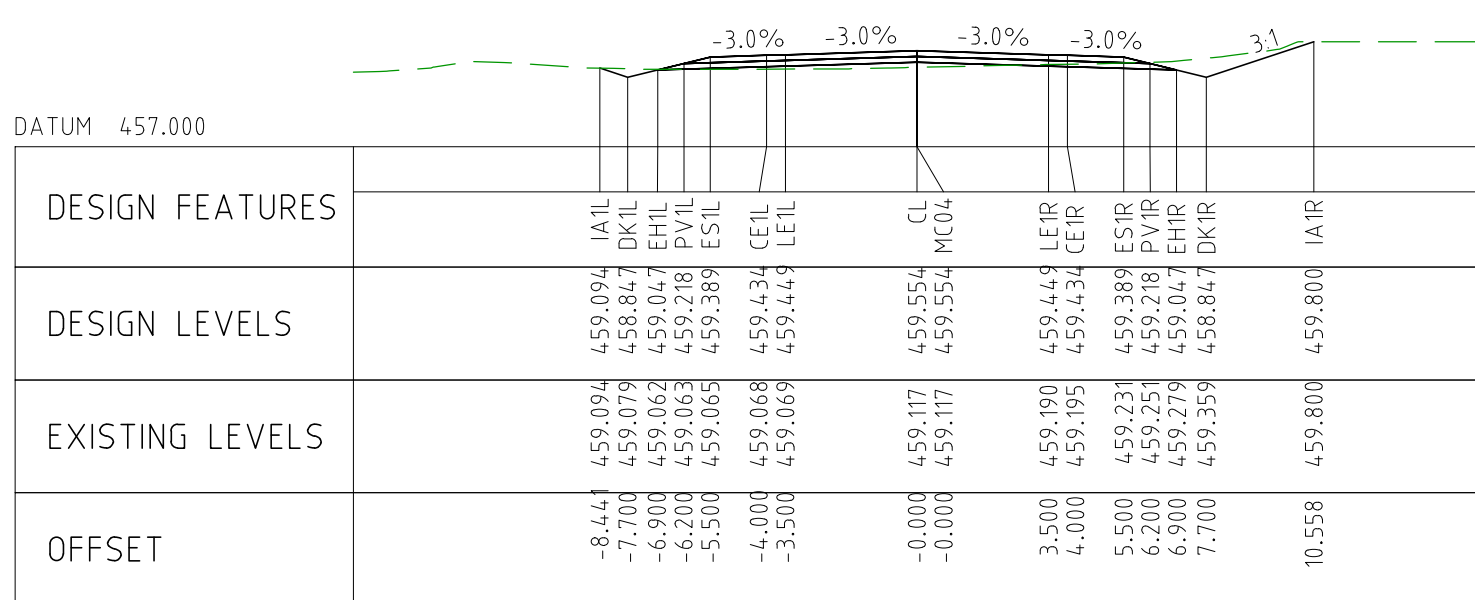
CHAINAGE 110950



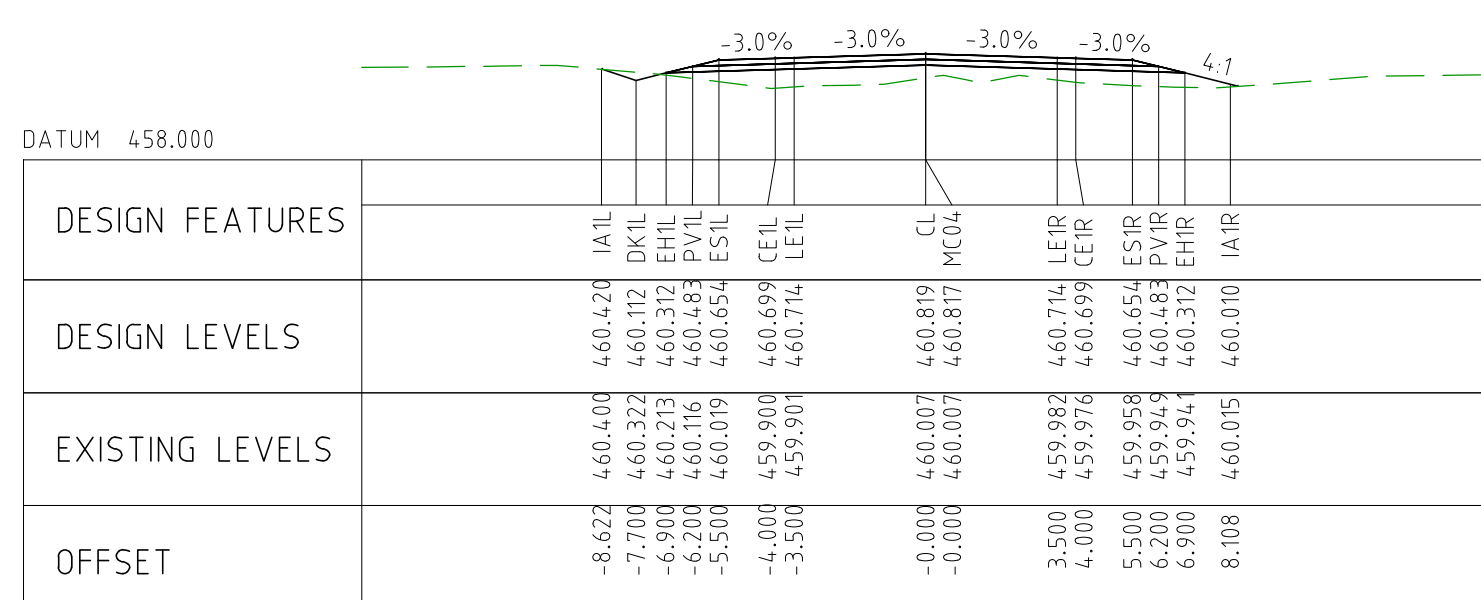
CHAINAGE 111200



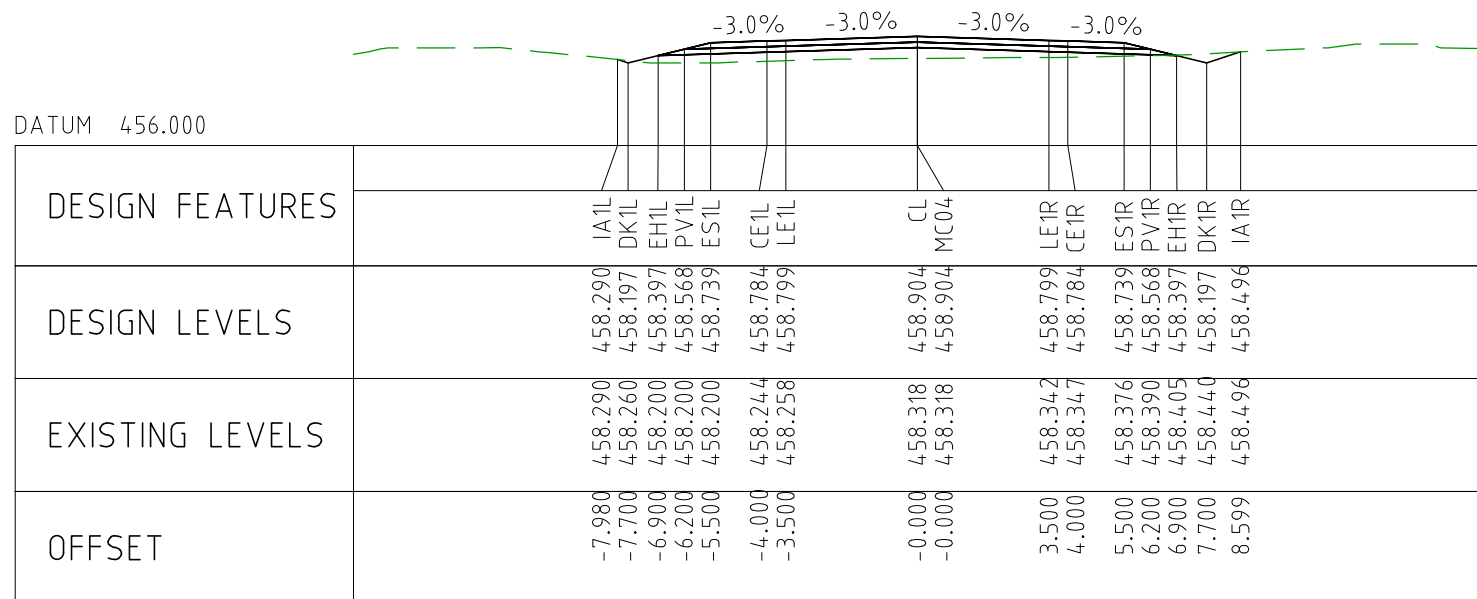
CHAINAGE 110650



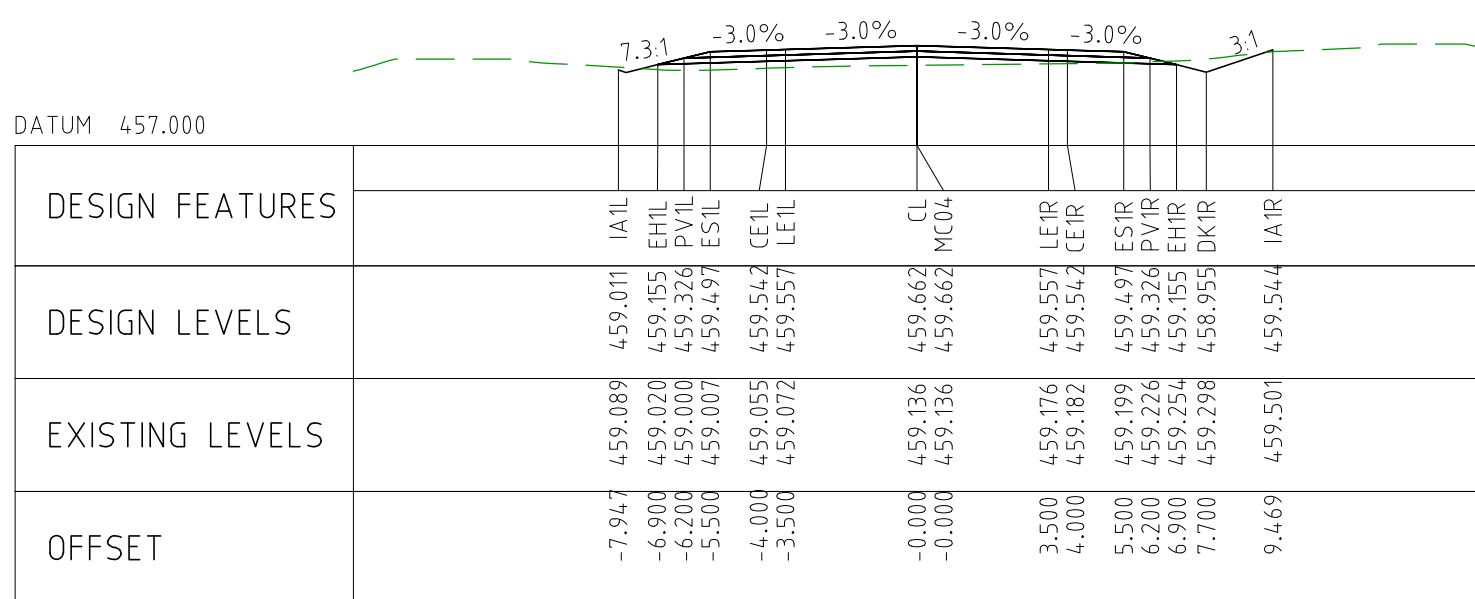
CHAINAGE 110900



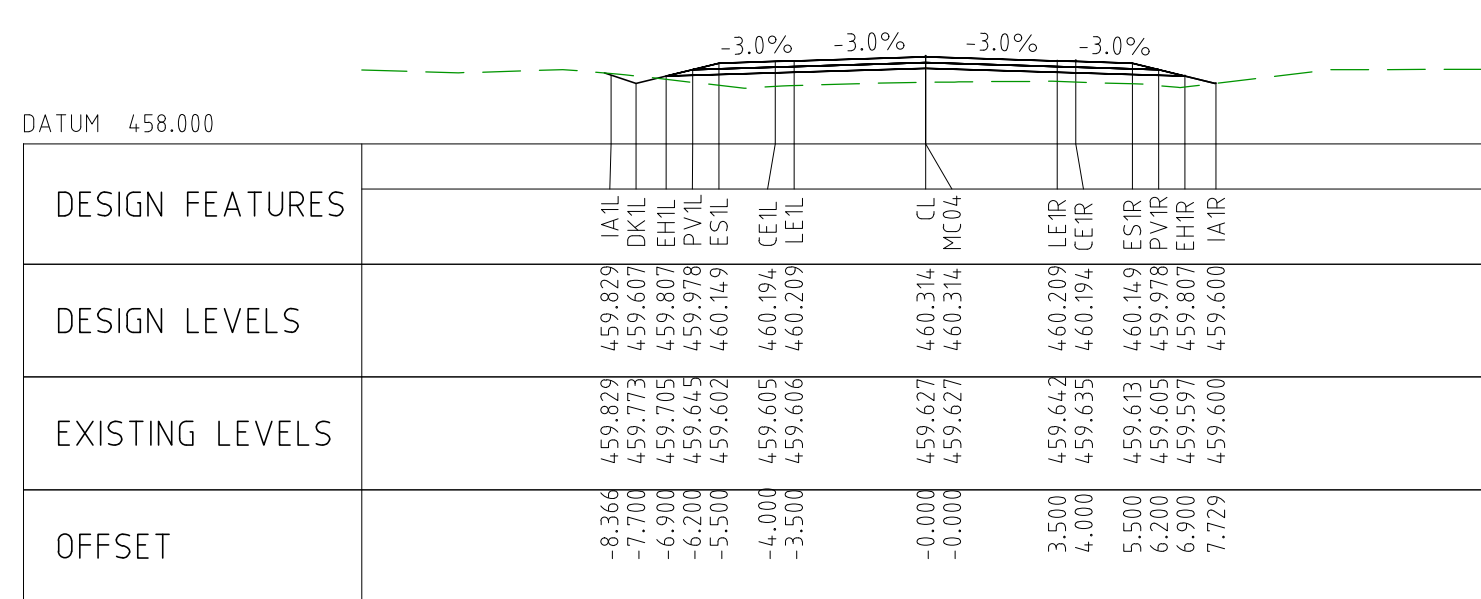
CHAINAGE 111150

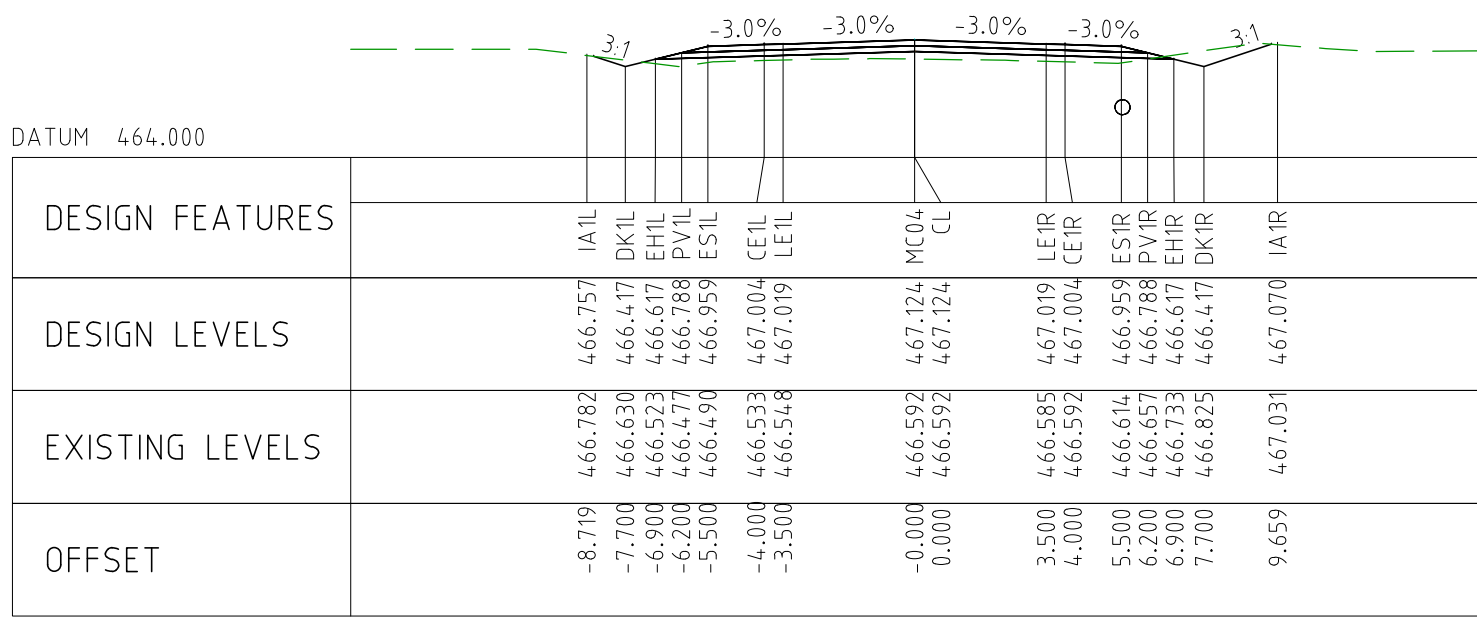


CHAINAGE 110600

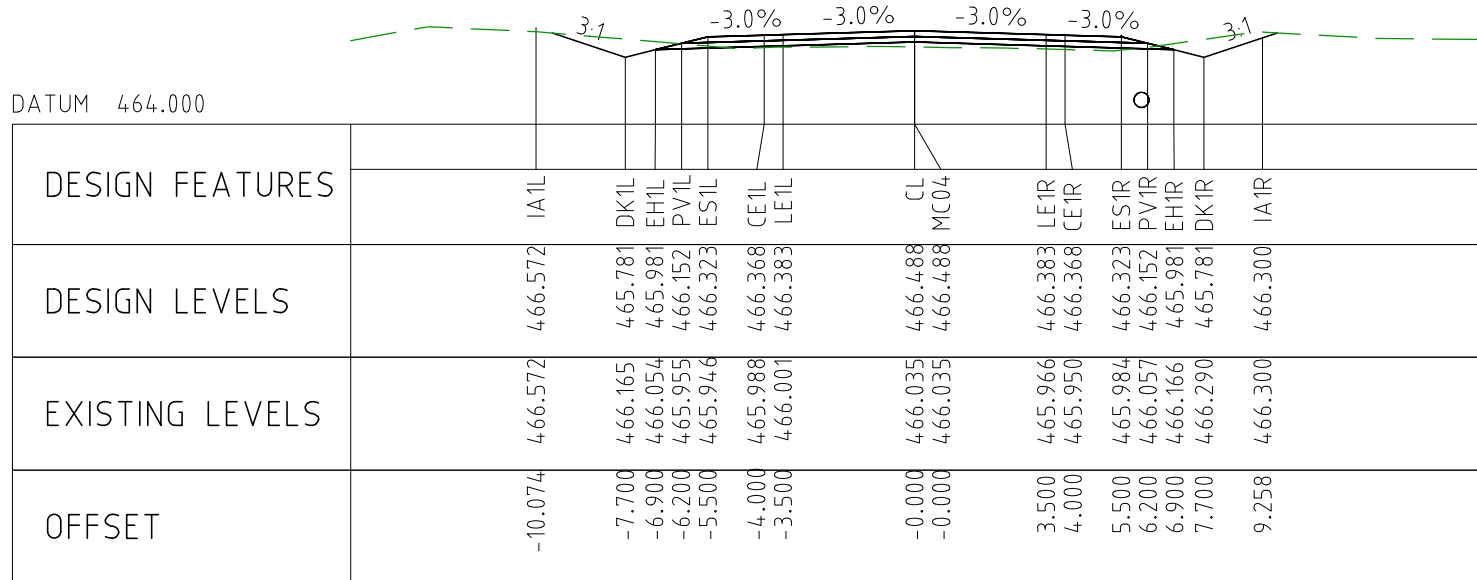


CHAINAGE 110850

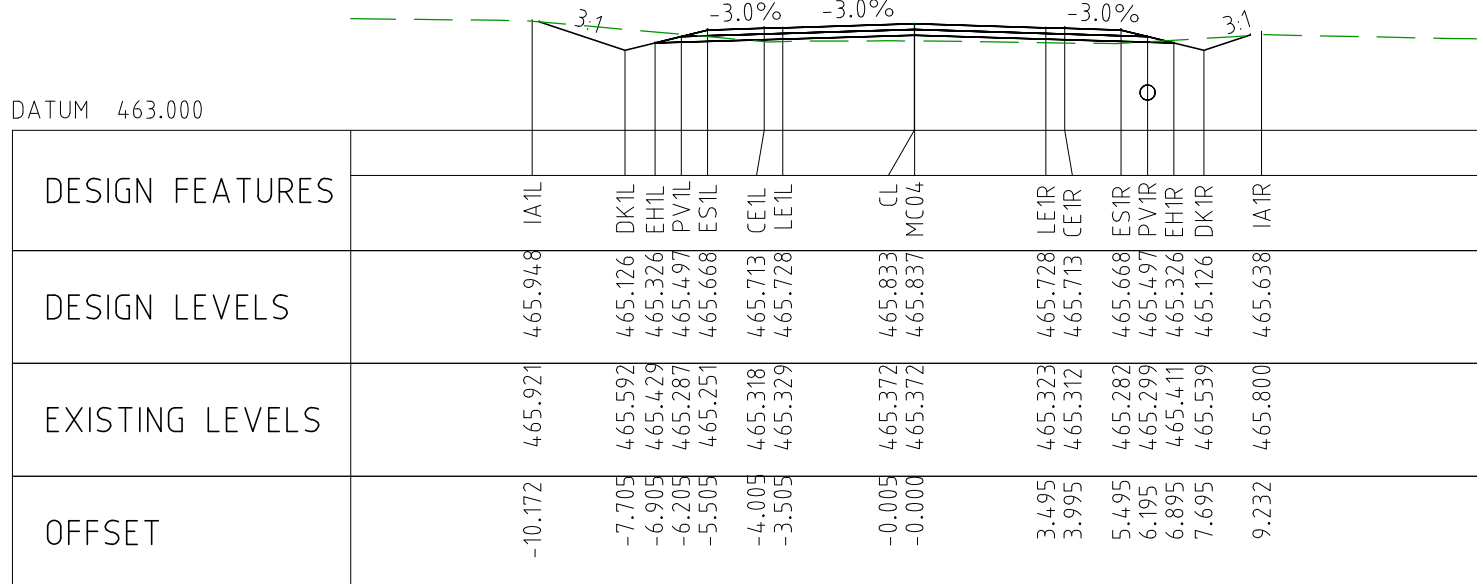




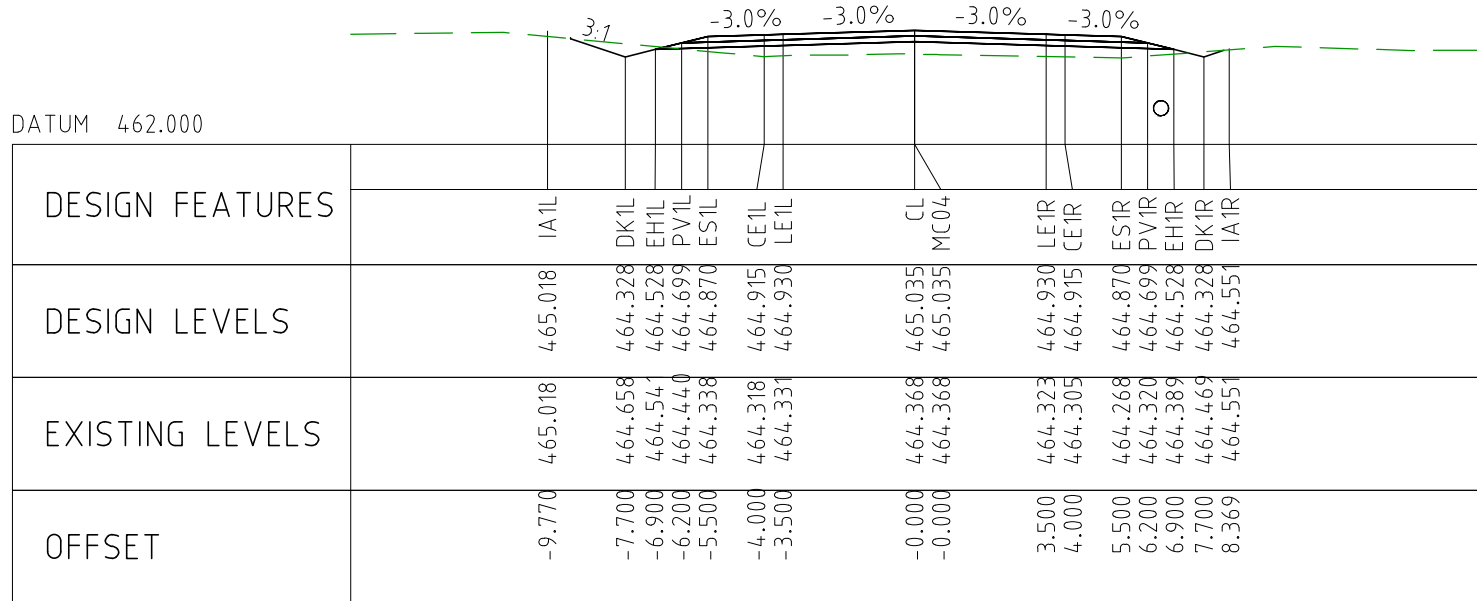
CHAINAGE 111550



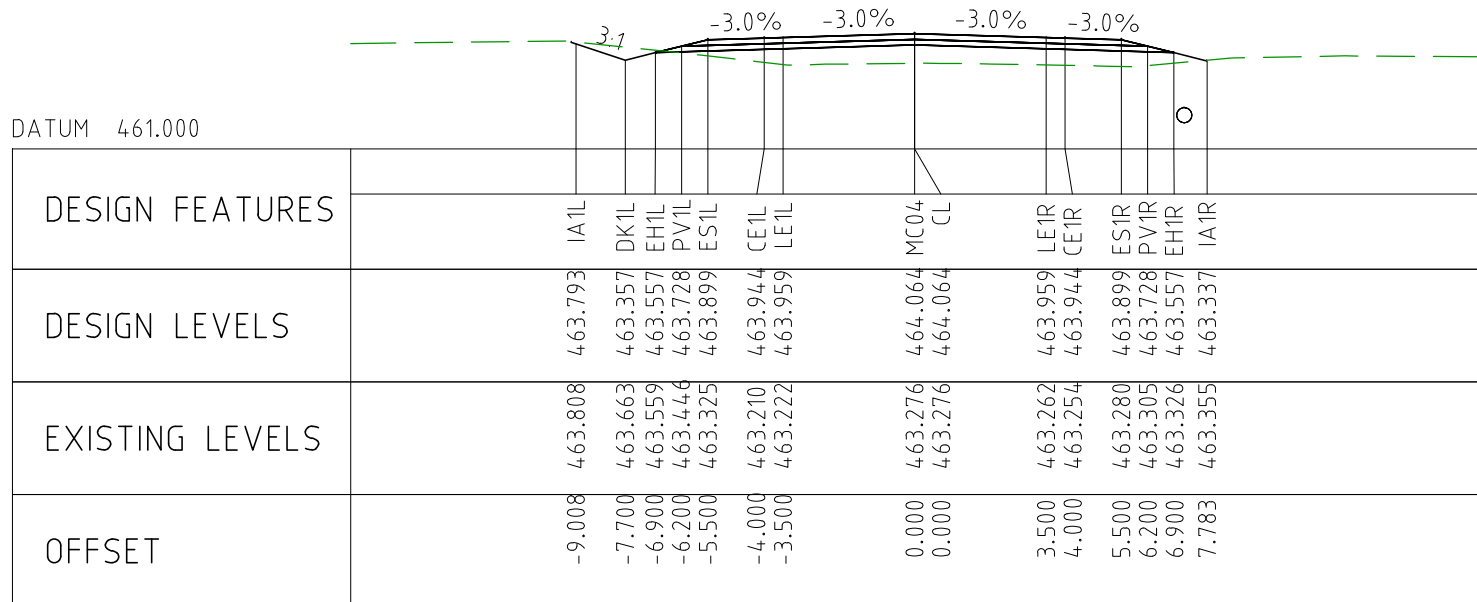
CHAINAGE 111500



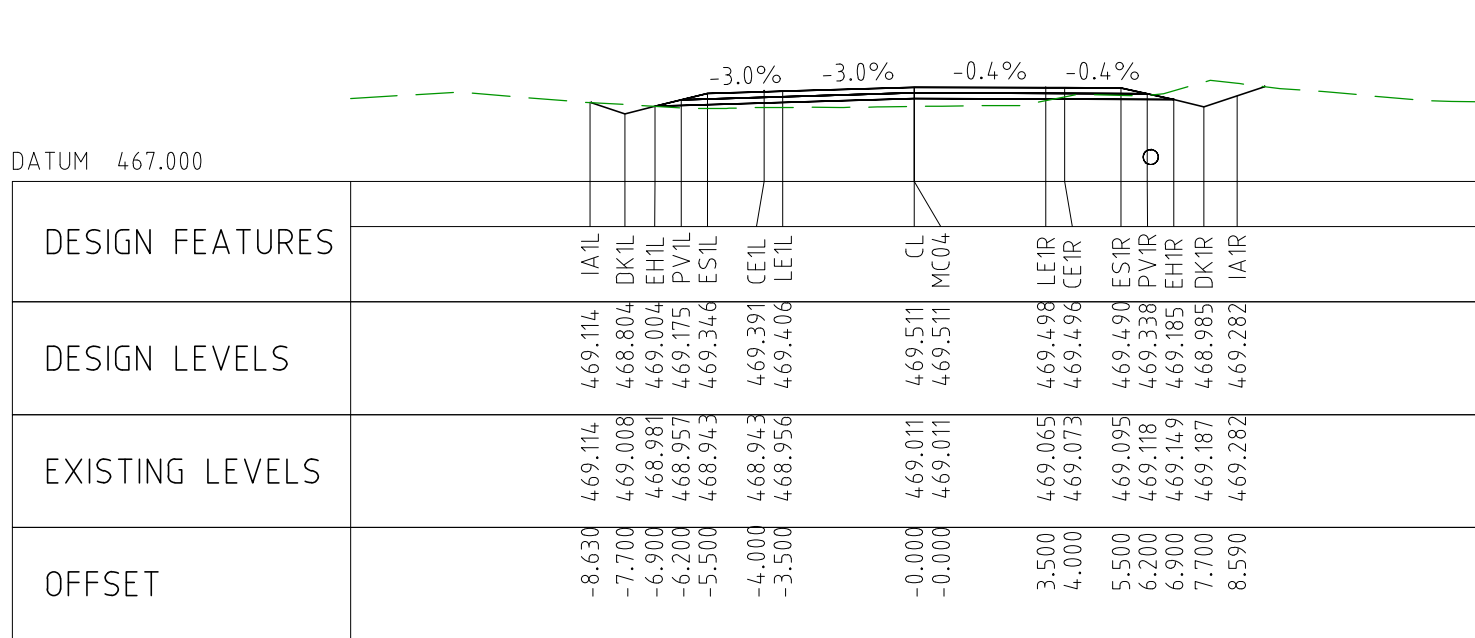
CHAINAGE 111450



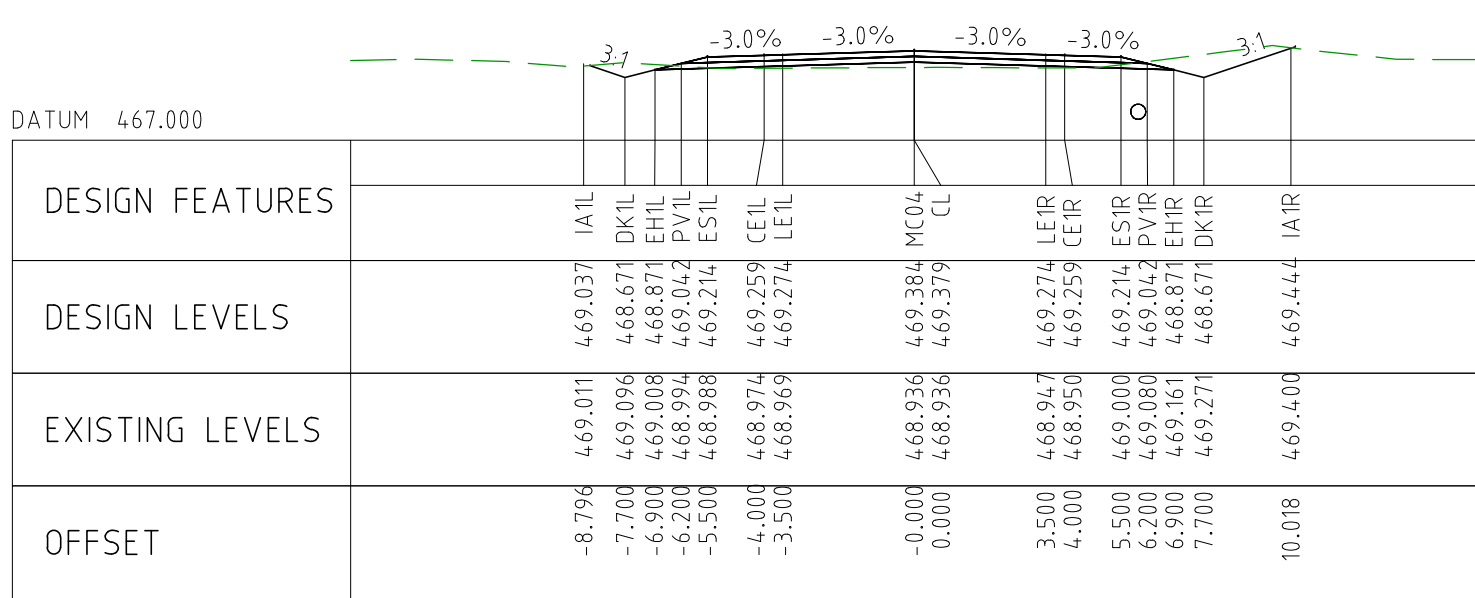
CHAINAGE 111400



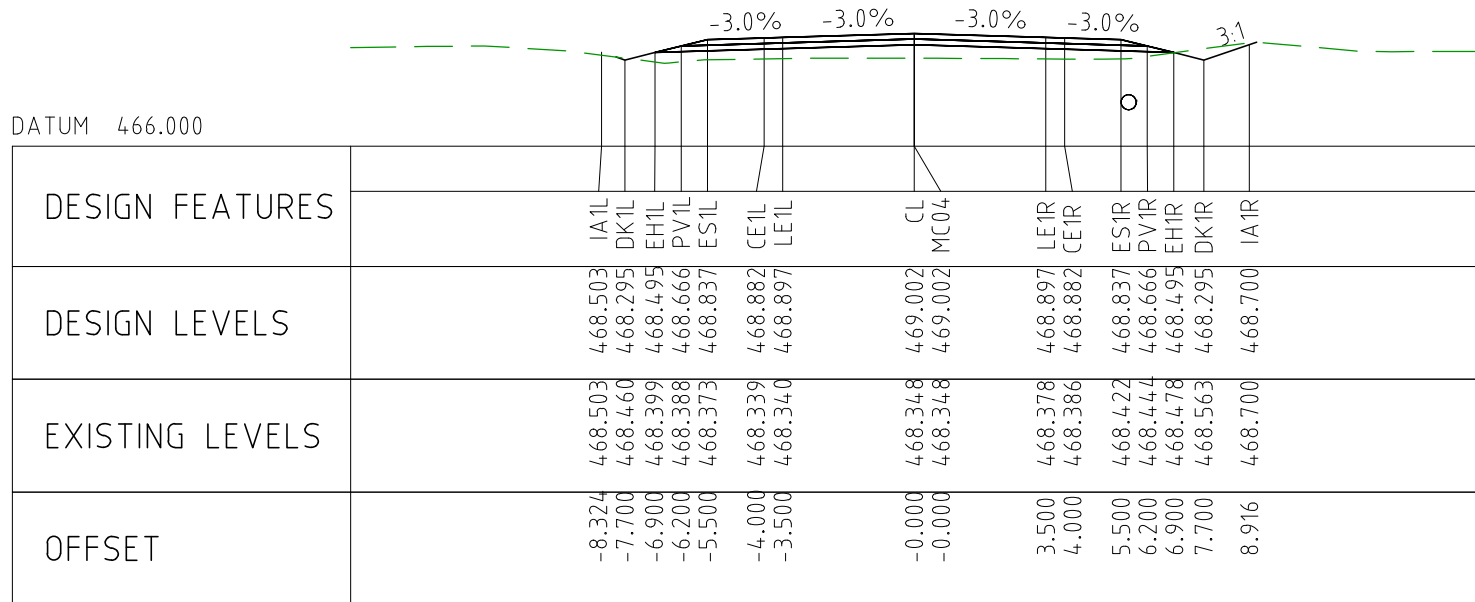
CHAINAGE 111350



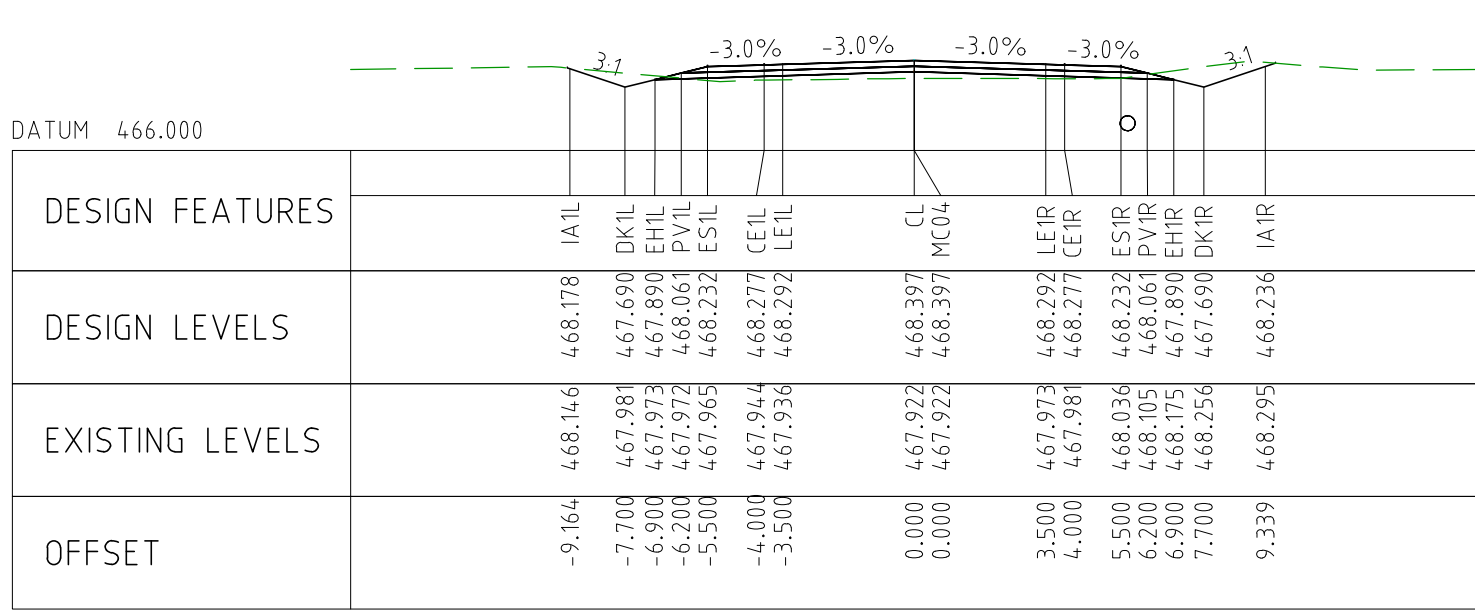
CHAINAGE 111800



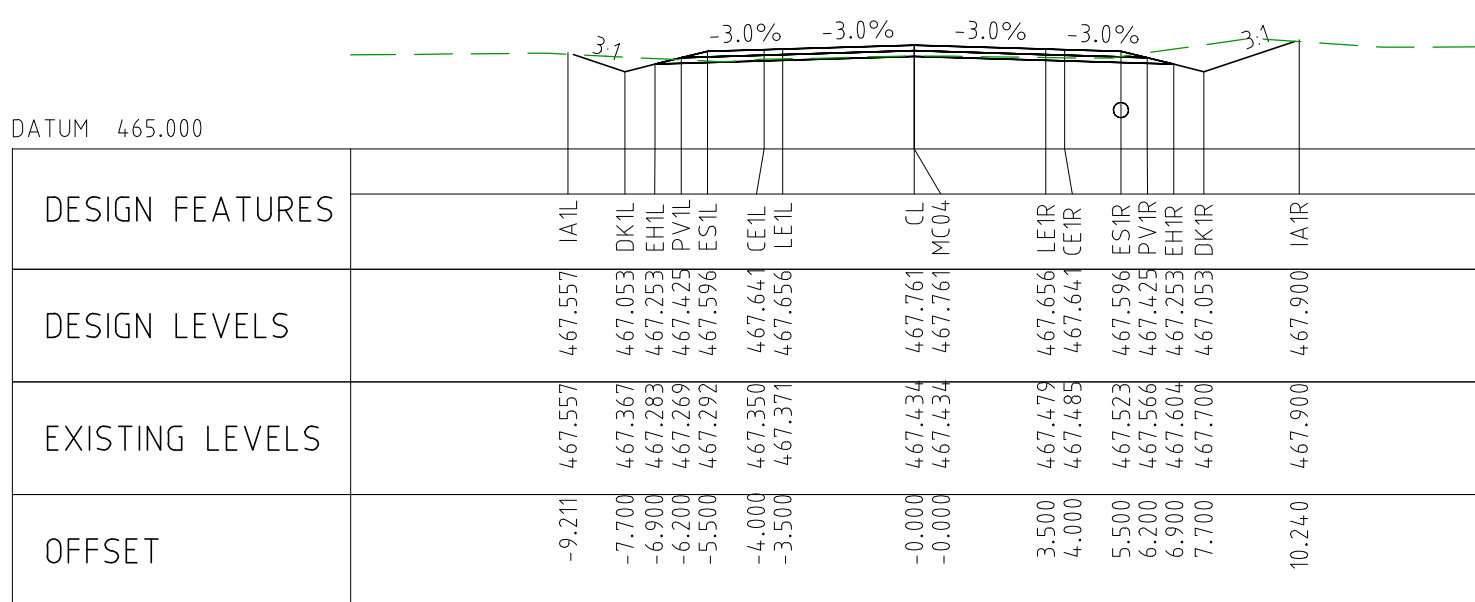
CHAINAGE 111750



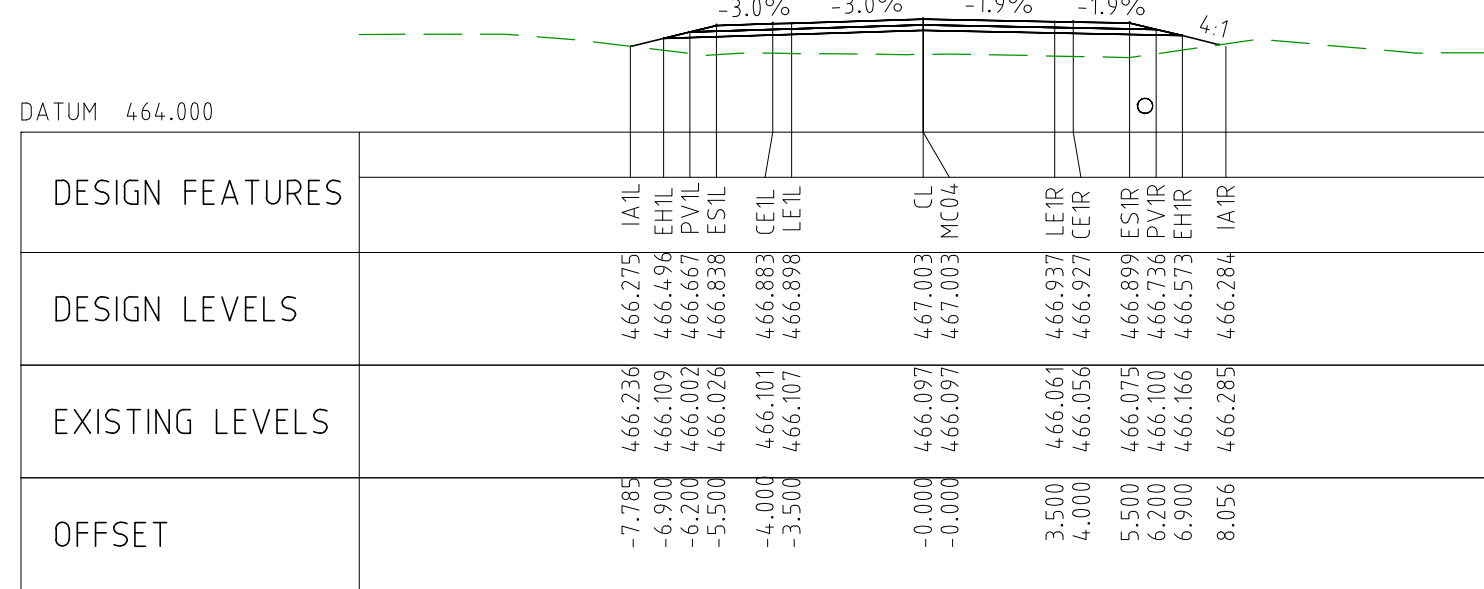
CHAINAGE 111700



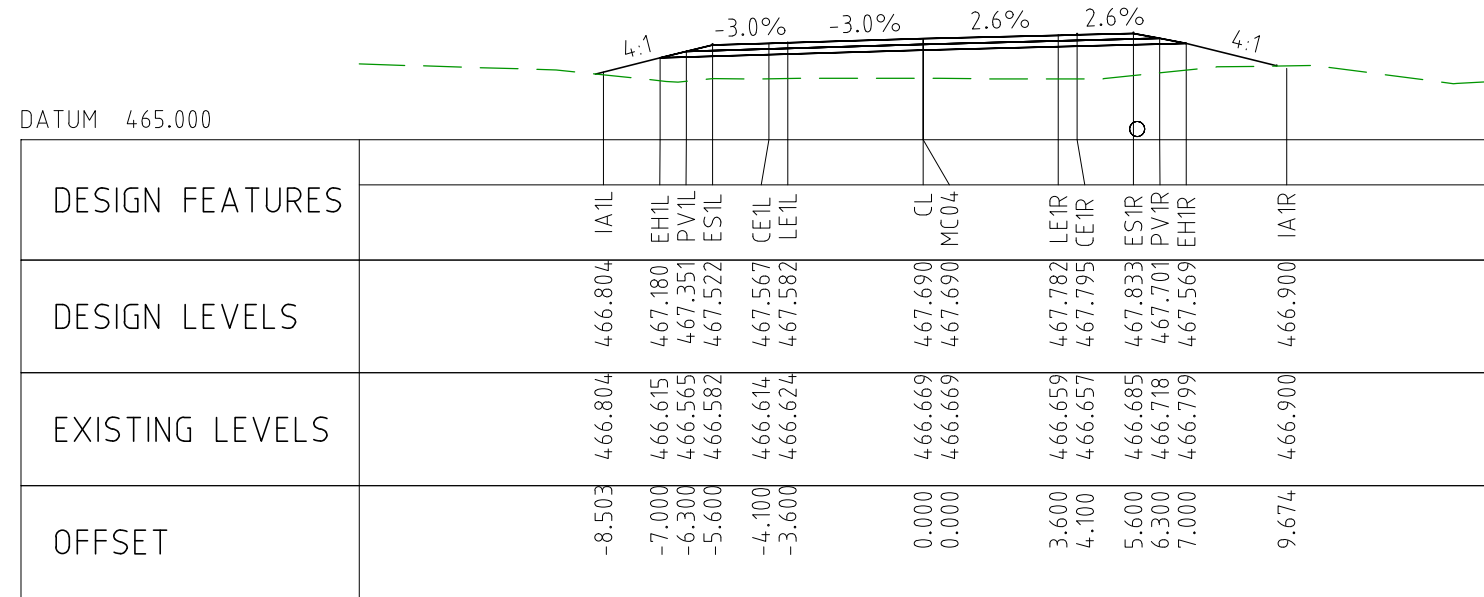
CHAINAGE 111650



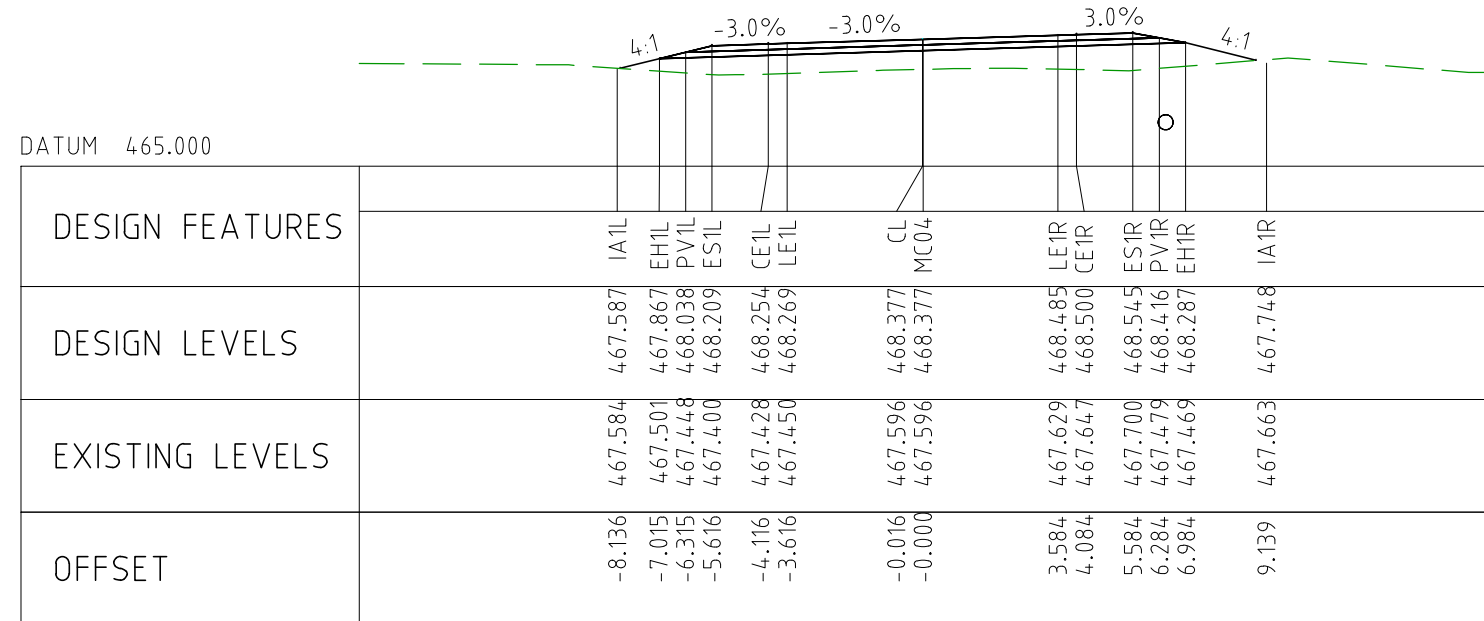
CHAINAGE 111600



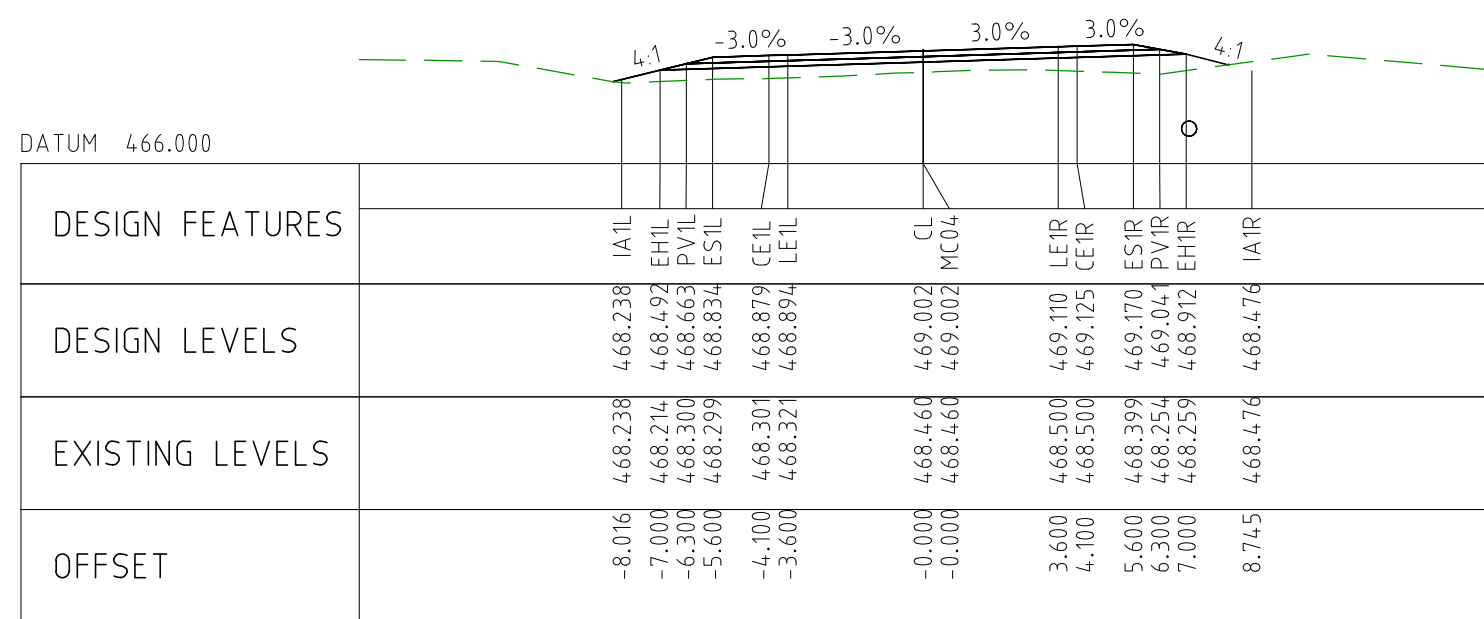
CHAINAGE 112050



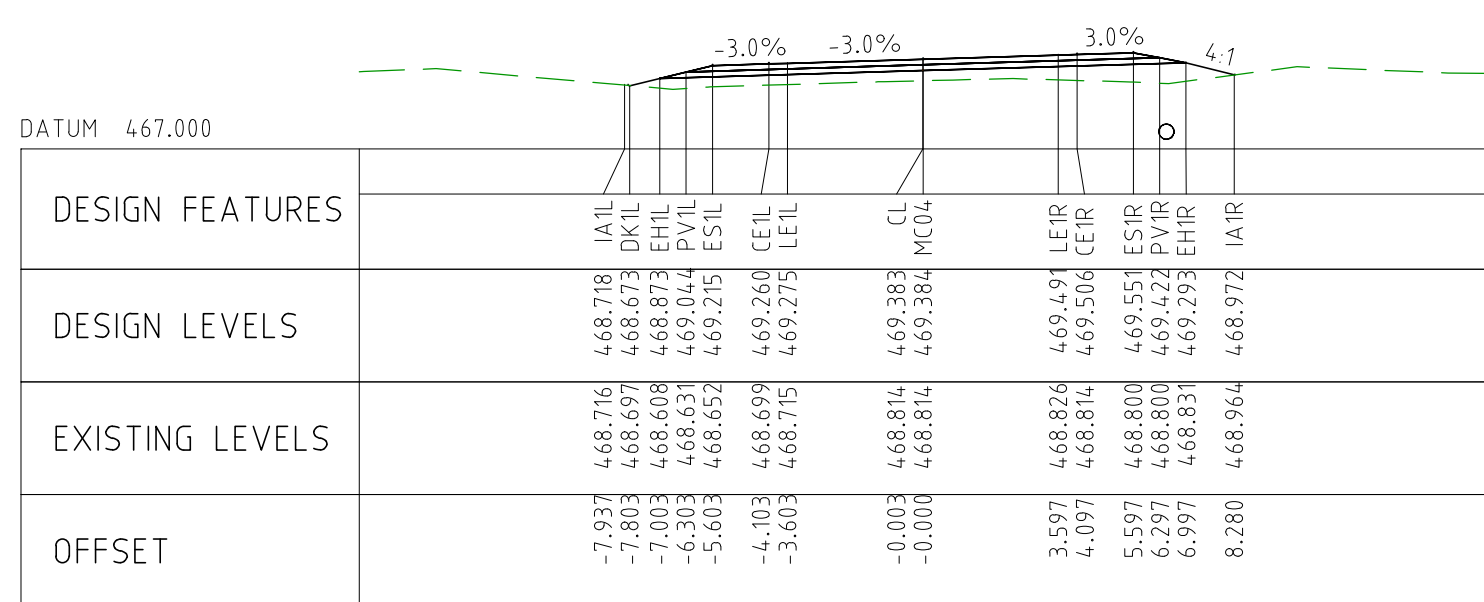
CHAINAGE 112000



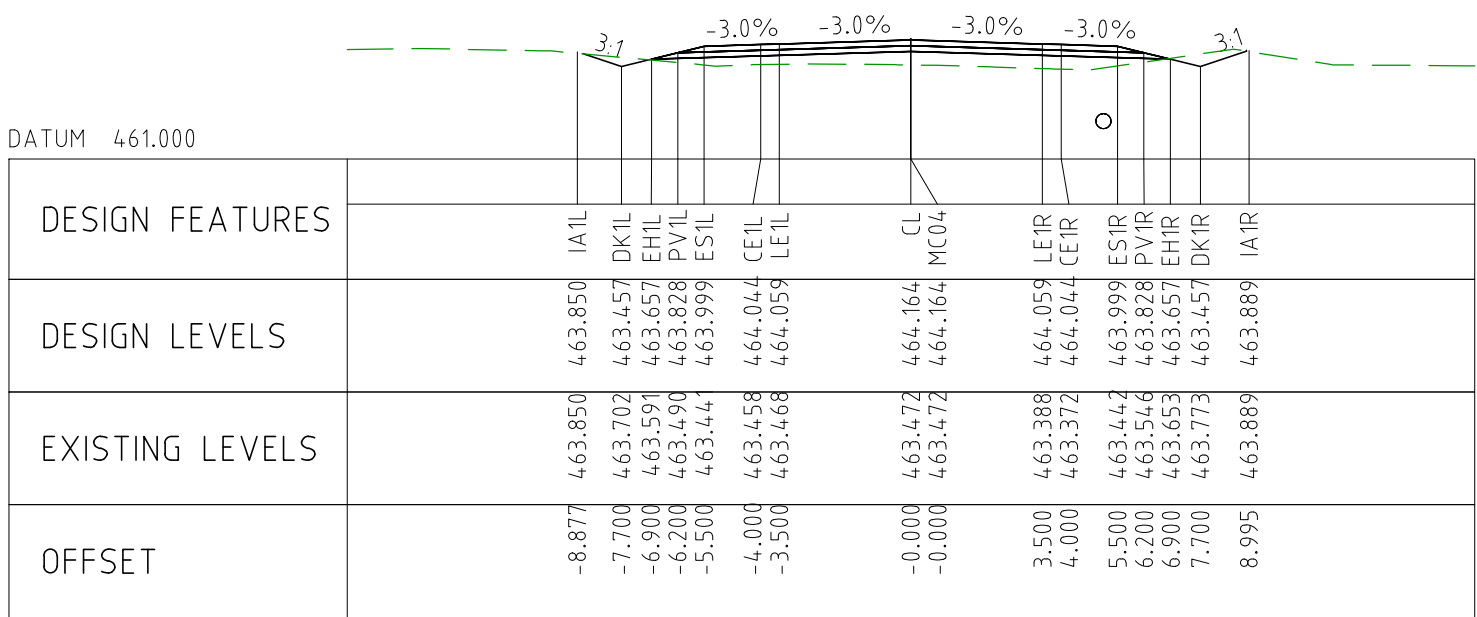
CHAINAGE 111950



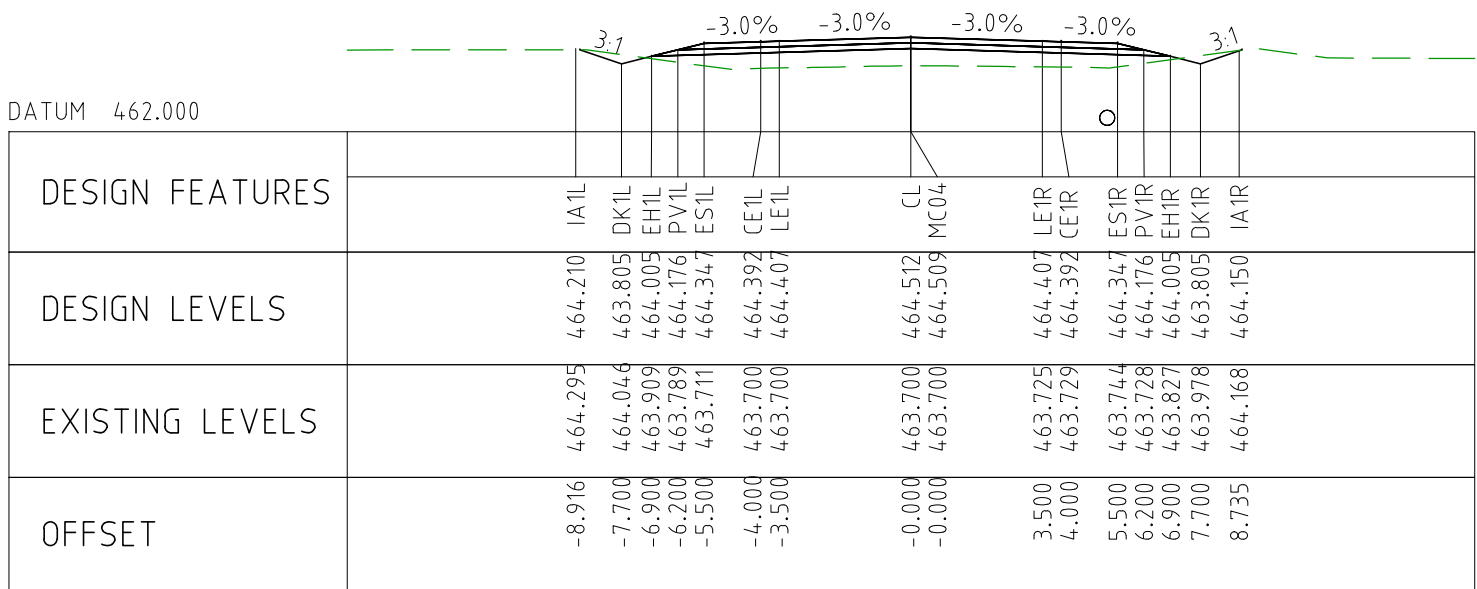
CHAINAGE 111900



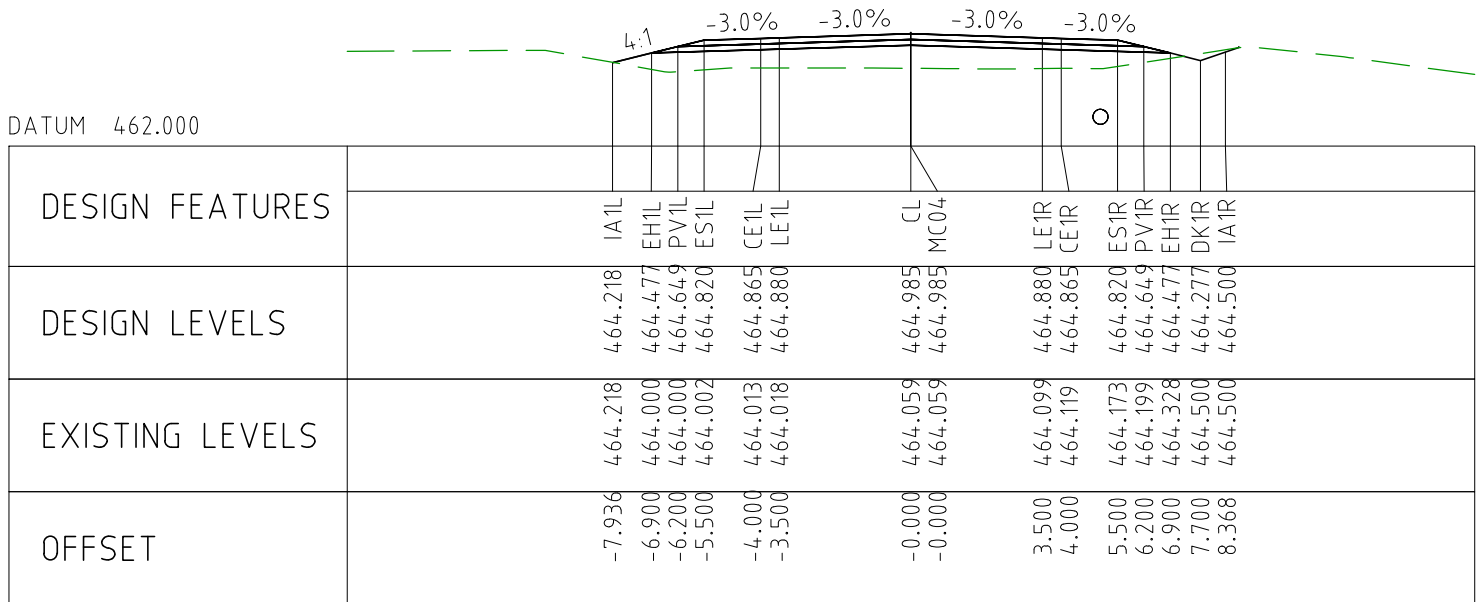
CHAINAGE 111850



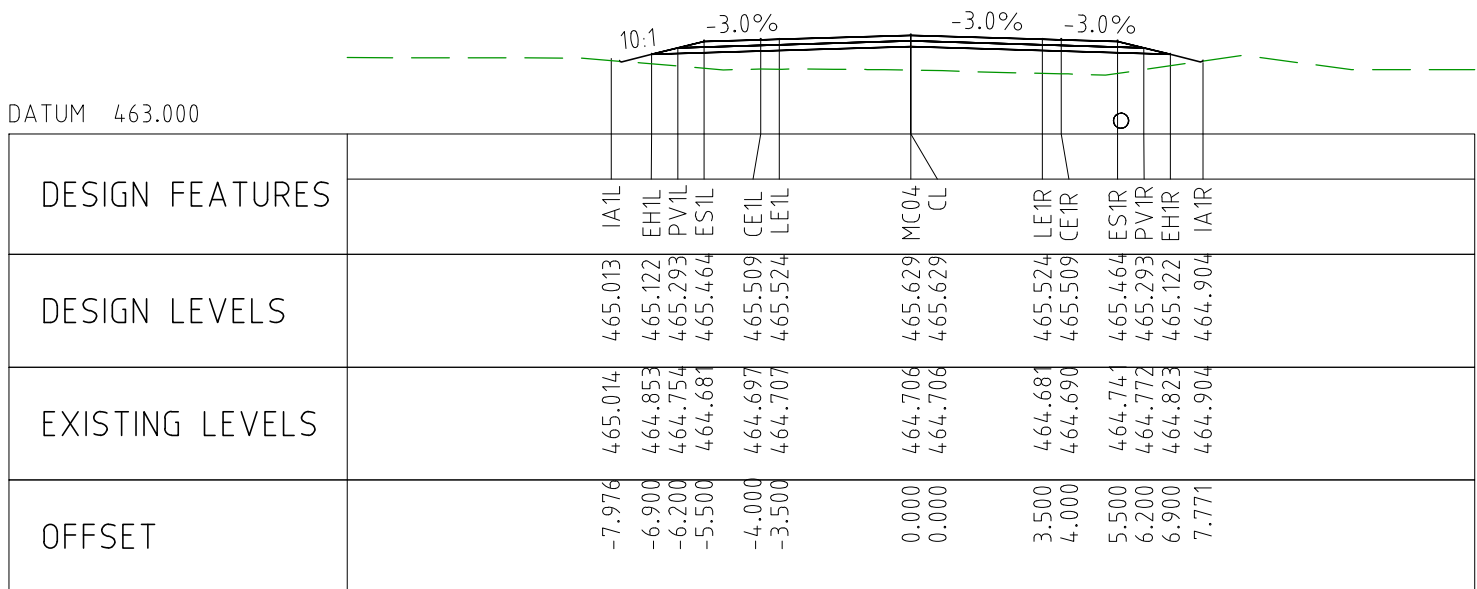
CHAINAGE 112300



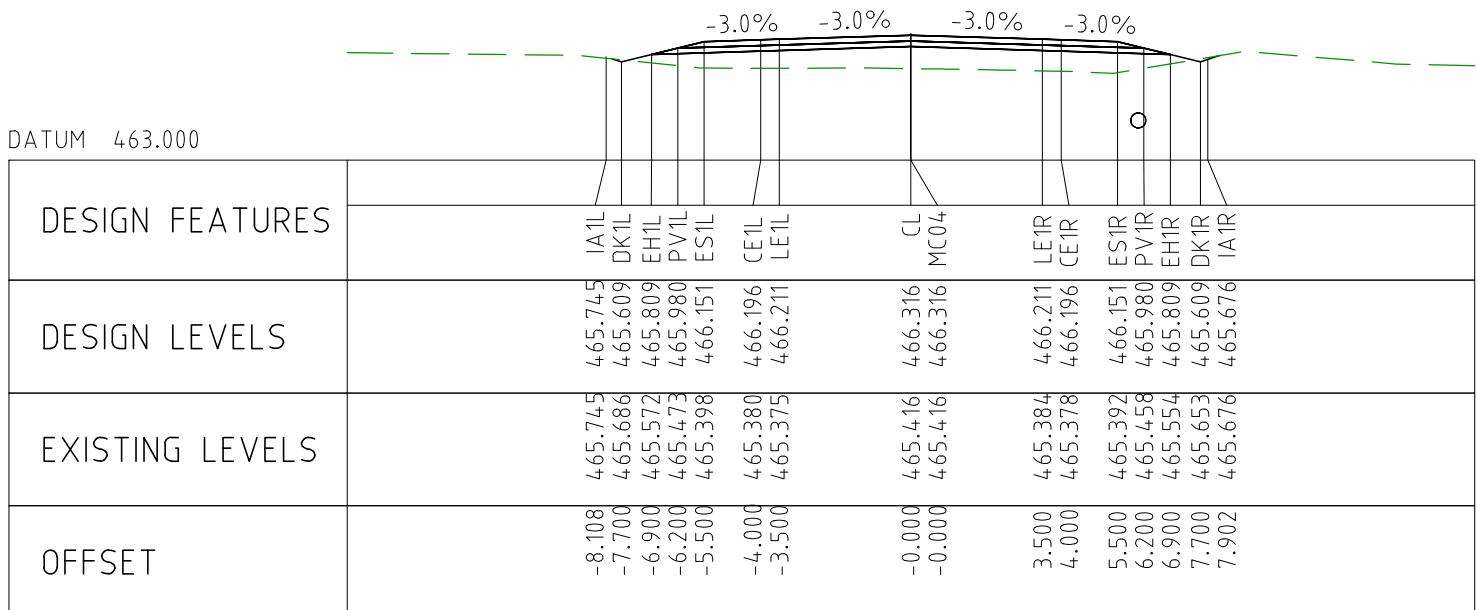
CHAINAGE 112250



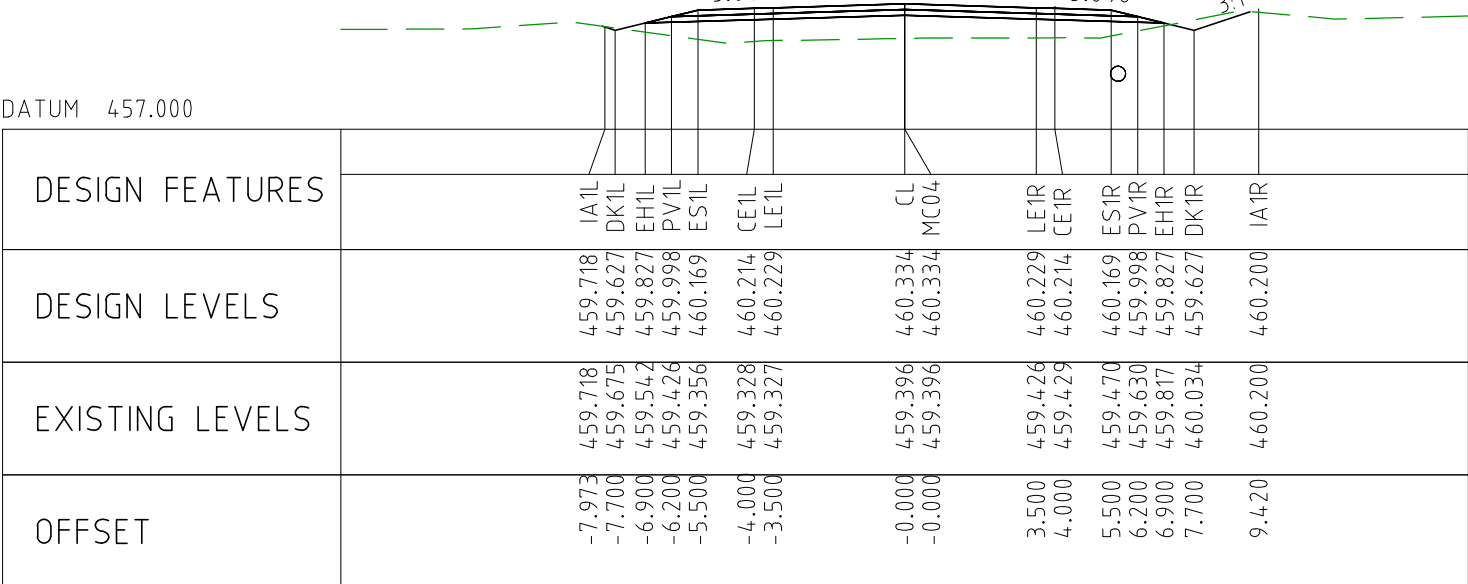
CHAINAGE 112200



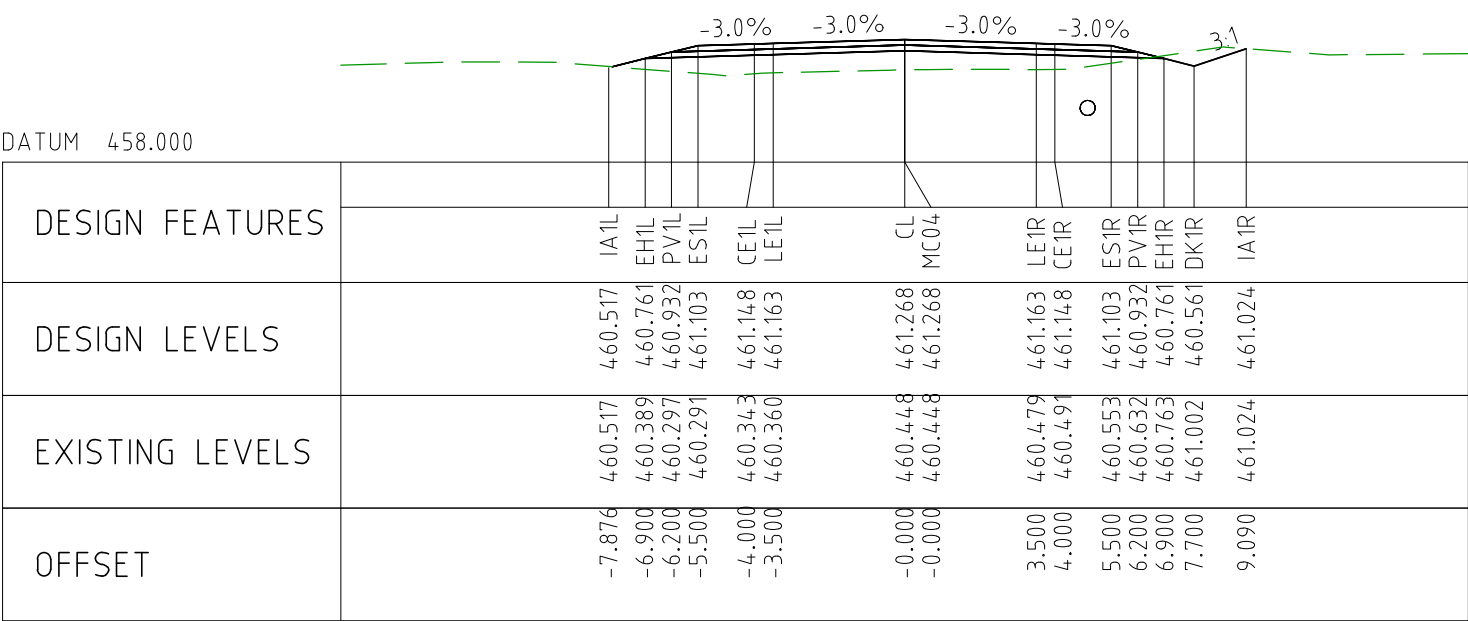
CHAINAGE 112150



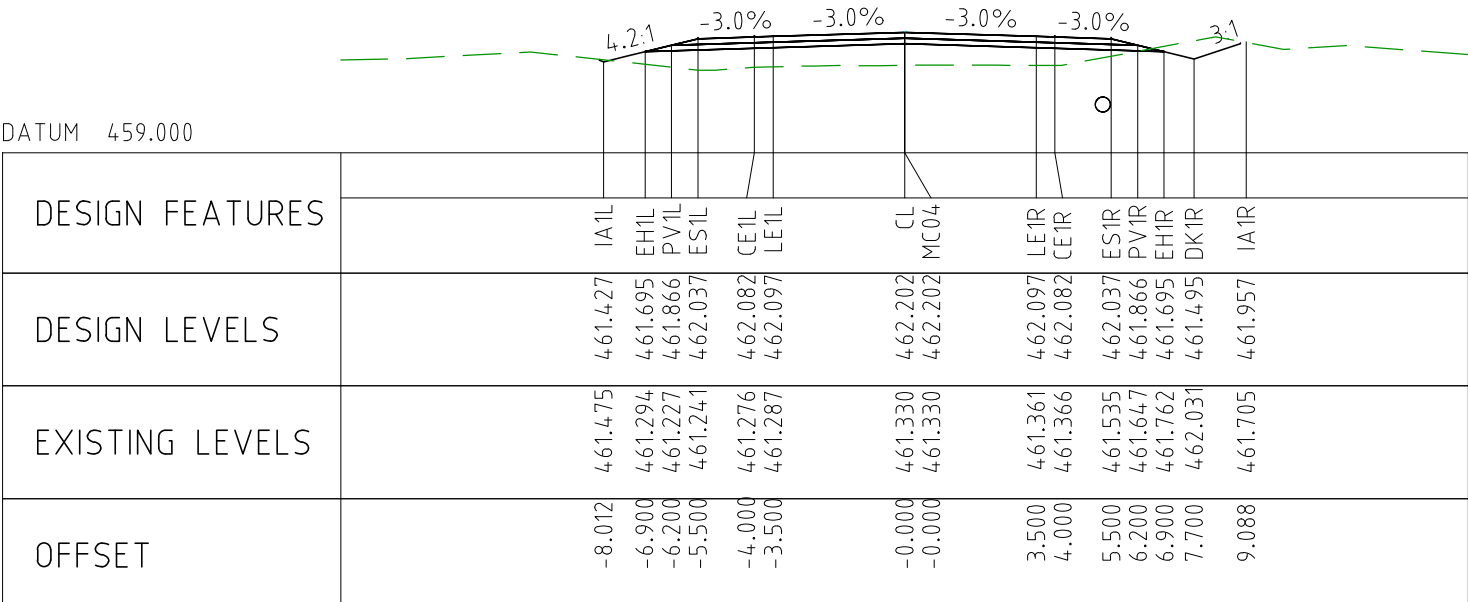
CHAINAGE 112100



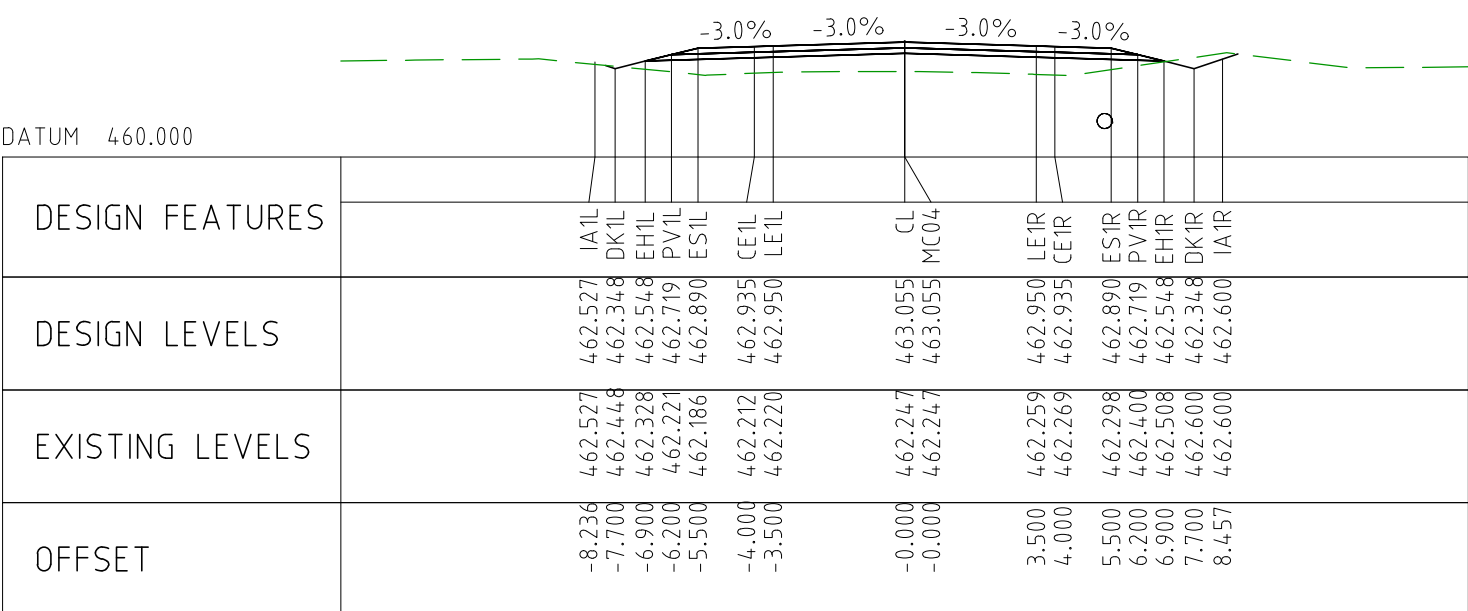
CHAINAGE 112550



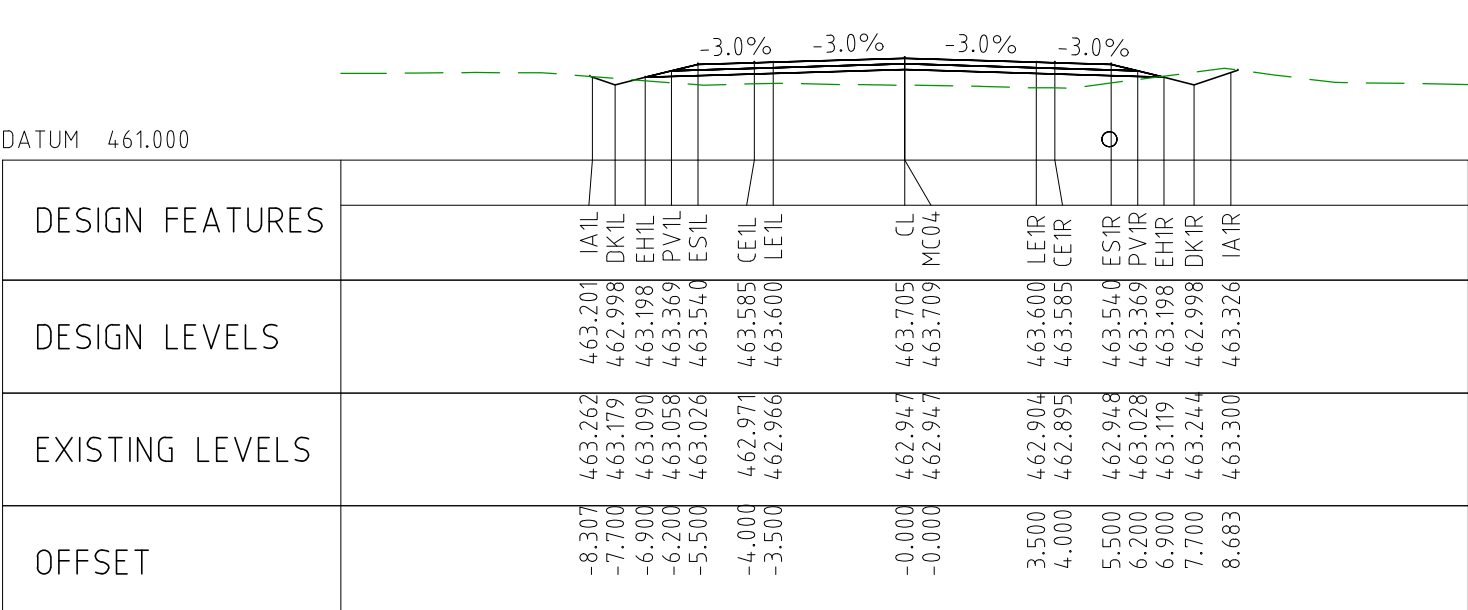
CHAINAGE 112500



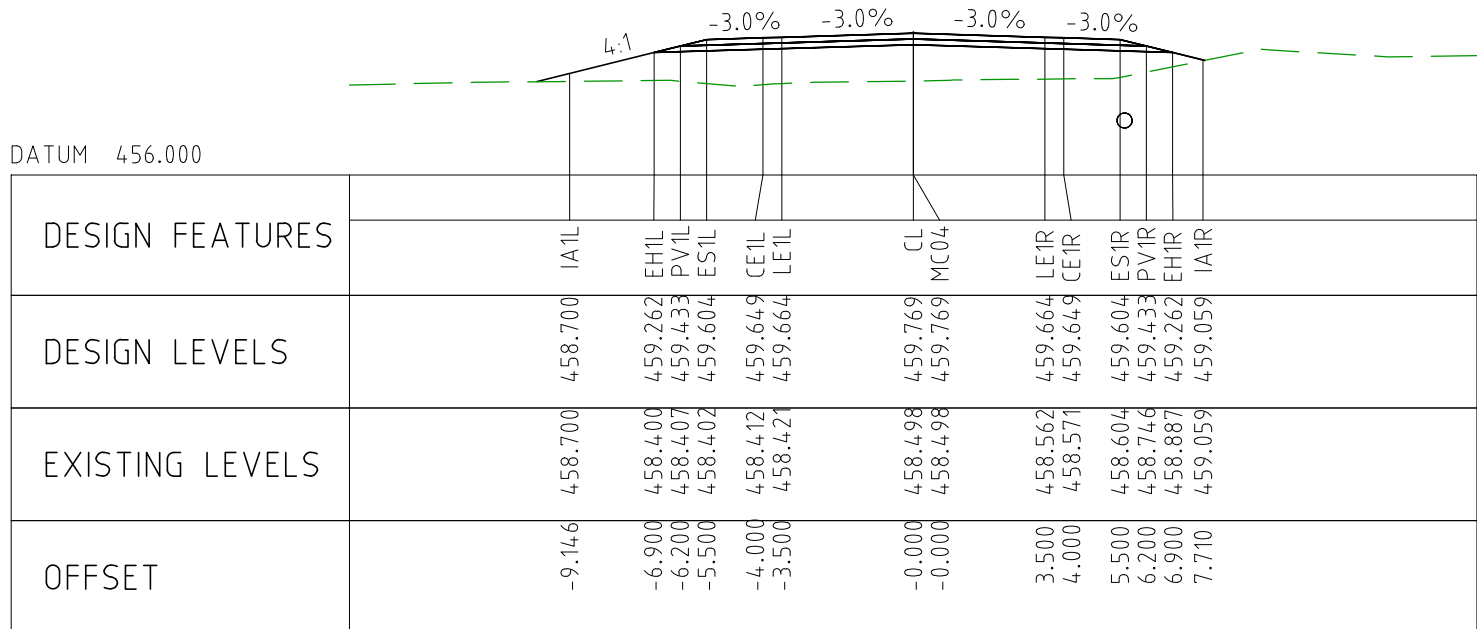
CHAINAGE 112450



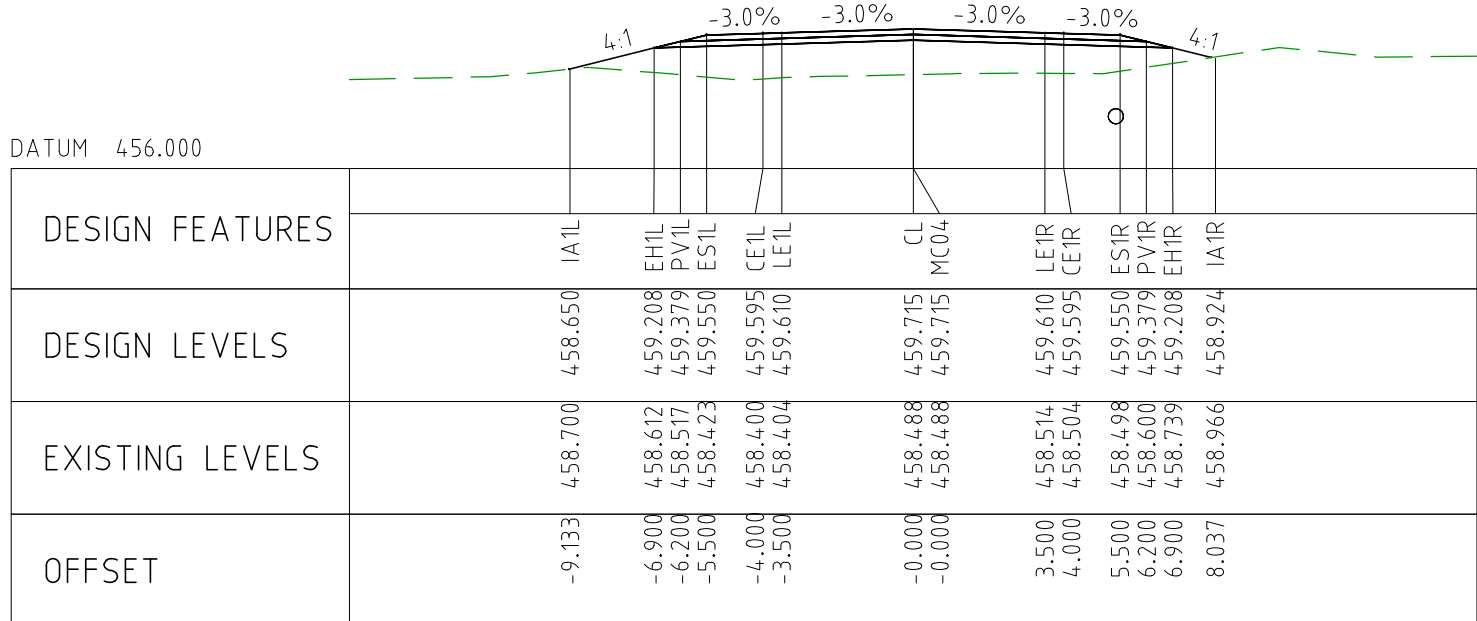
CHAINAGE 112400



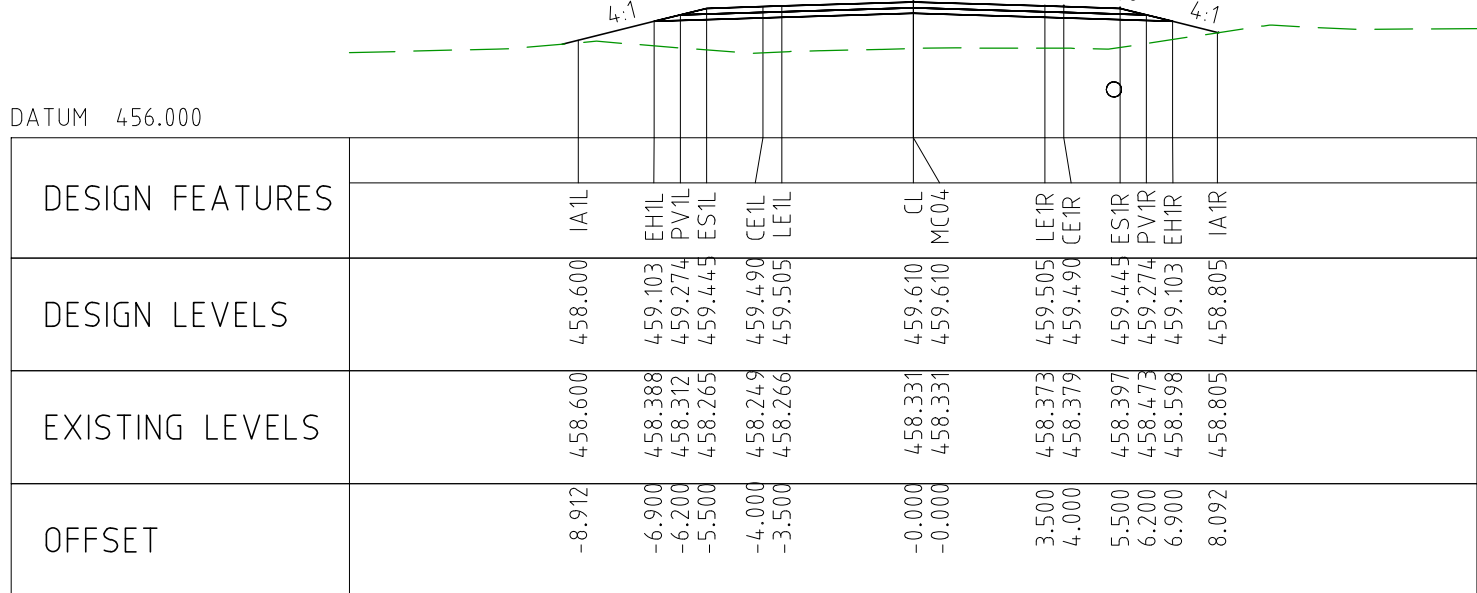
CHAINAGE 112350



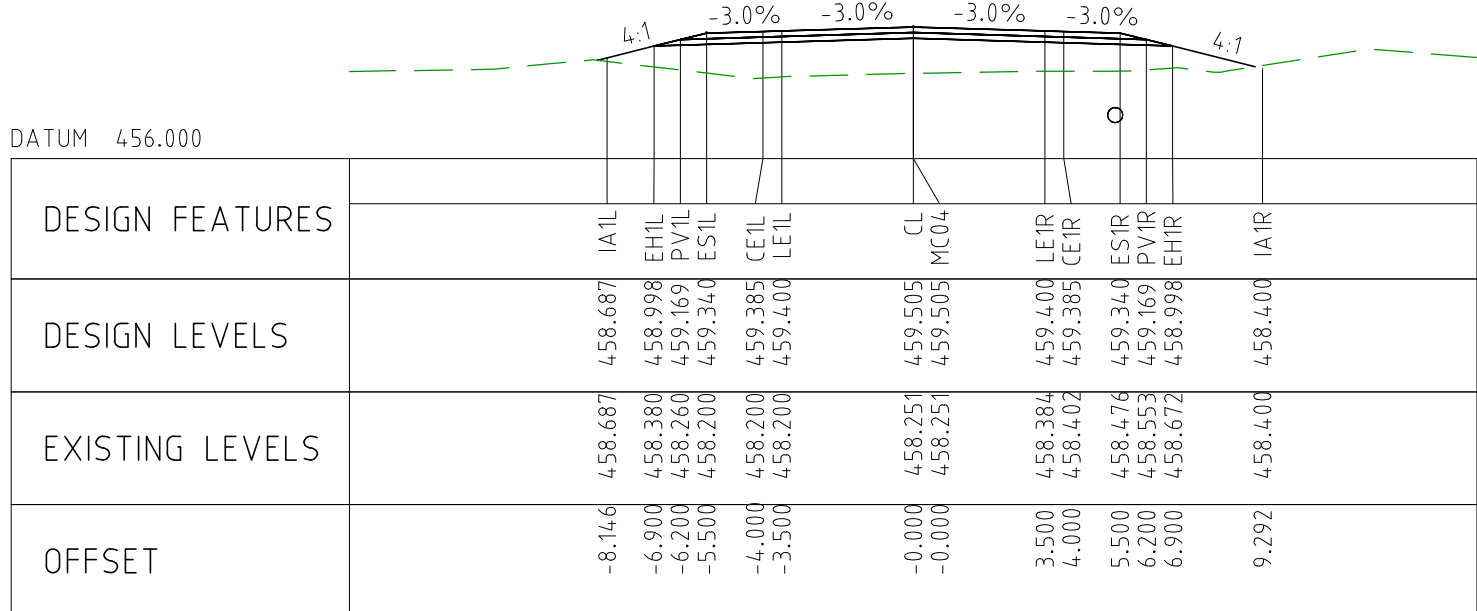
CHAINAGE 112800



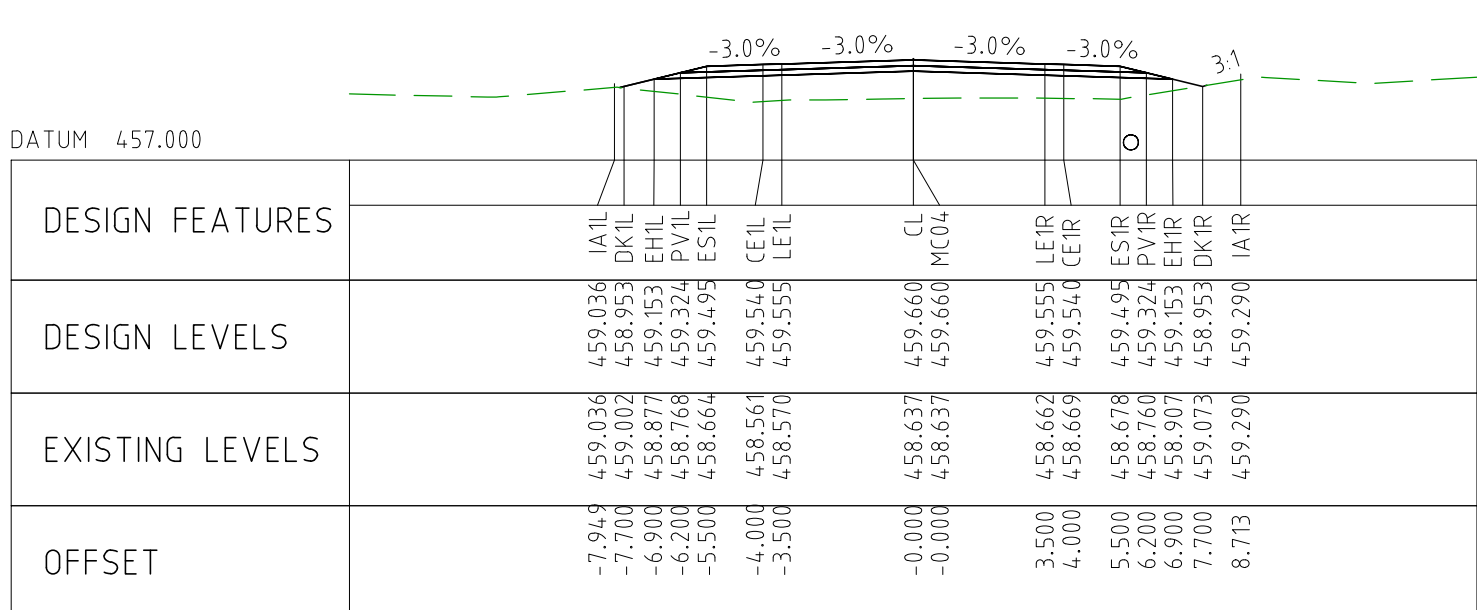
CHAINAGE 112750

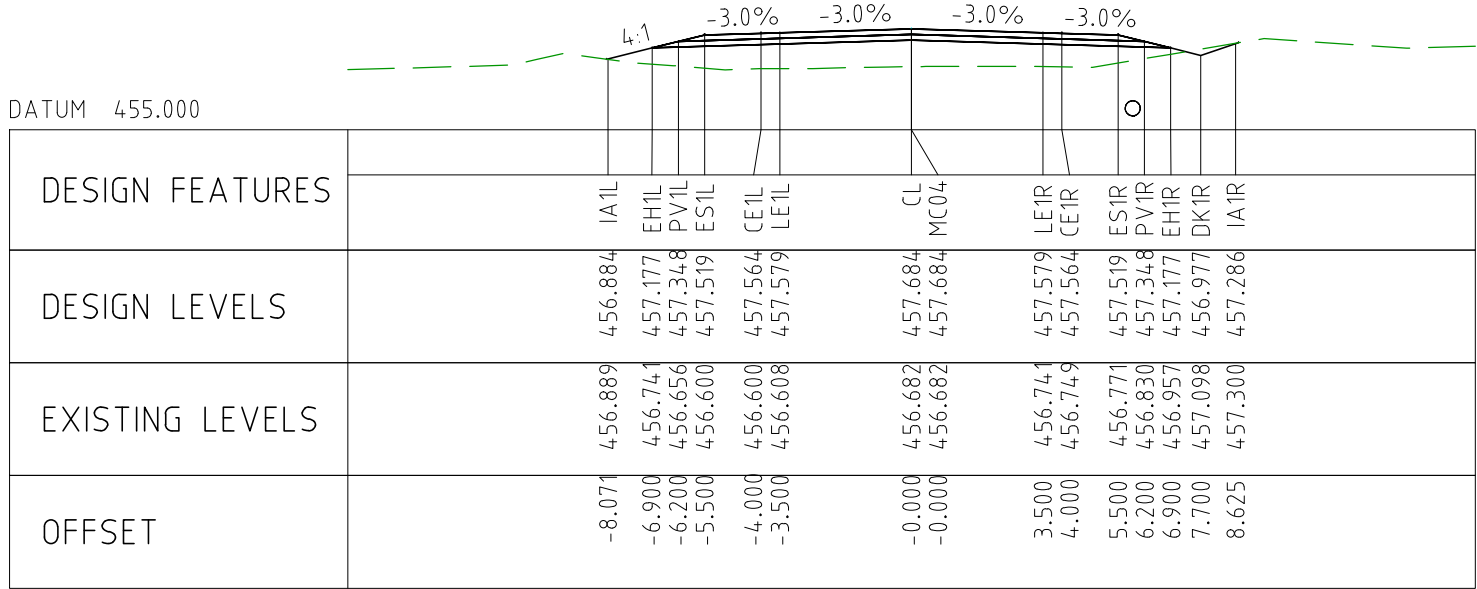


CHAINAGE 112700

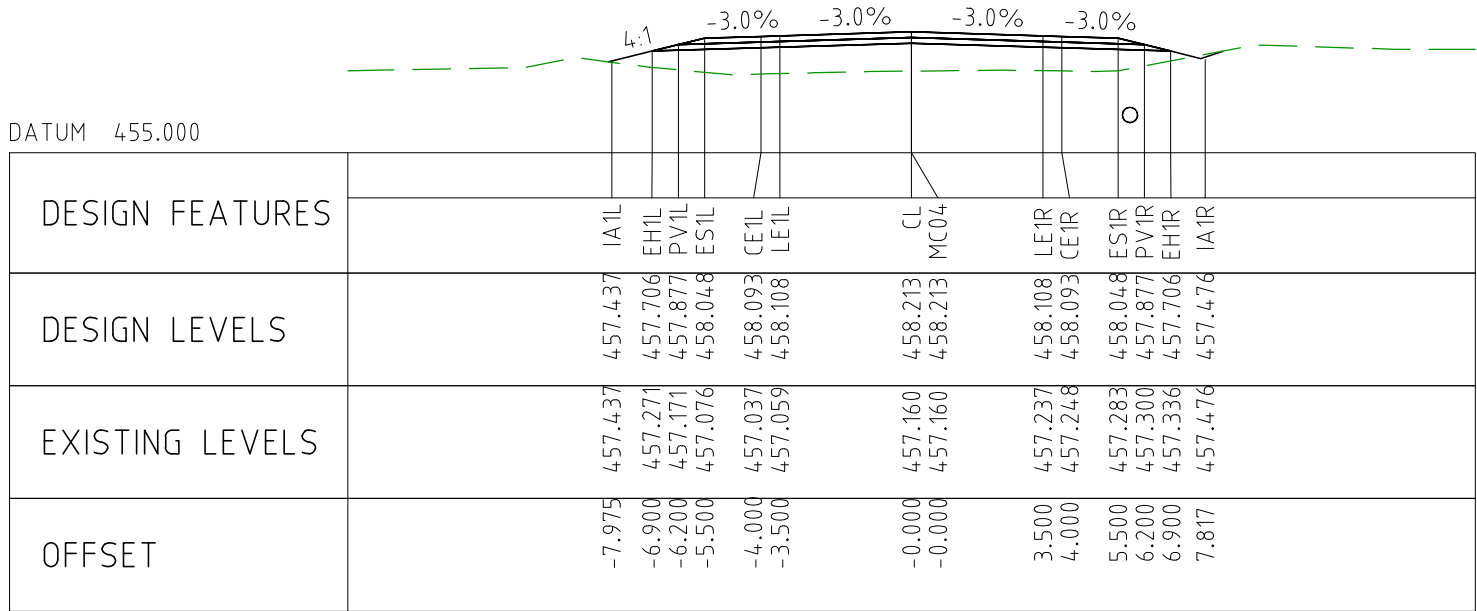


CHAINAGE 112650

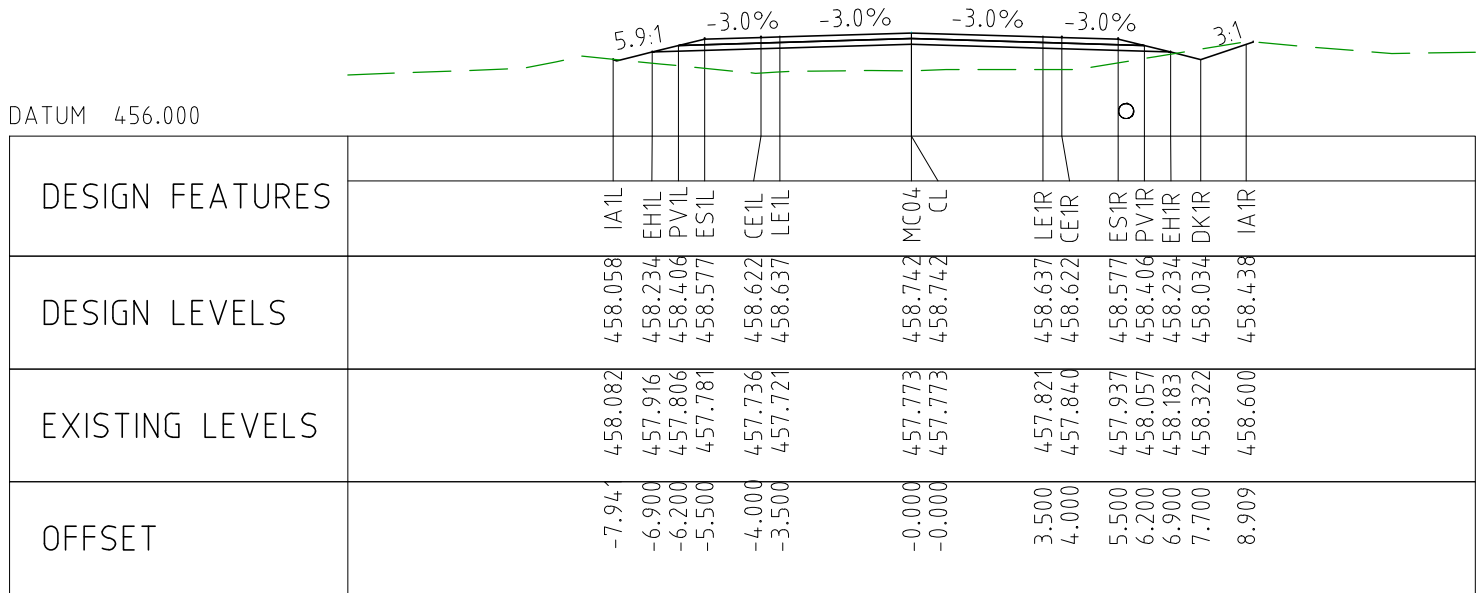




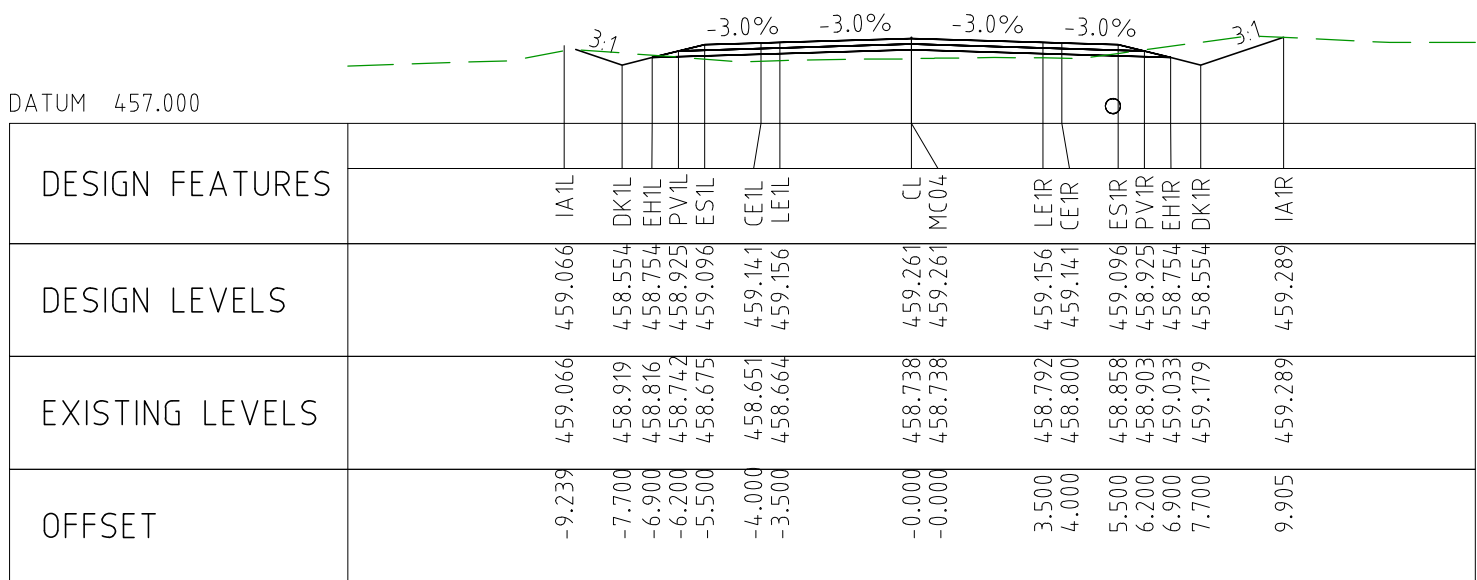
CHAINAGE 113050



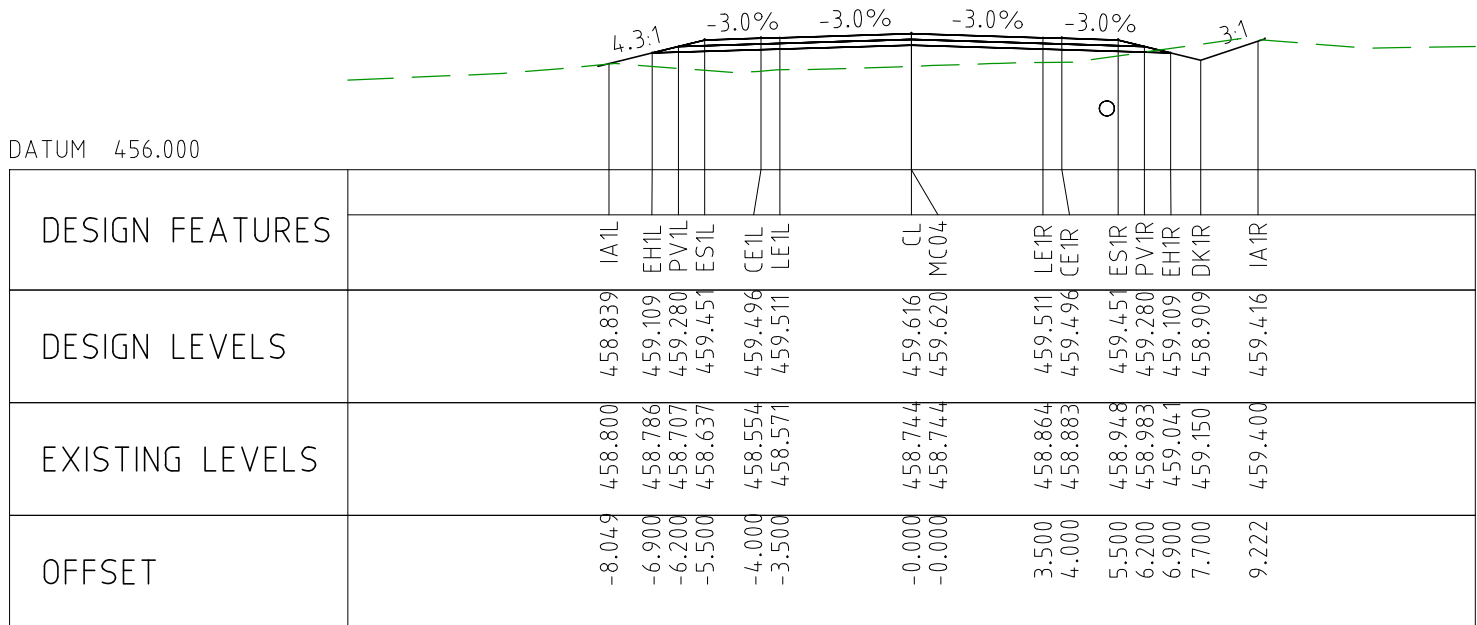
CHAINAGE 113000



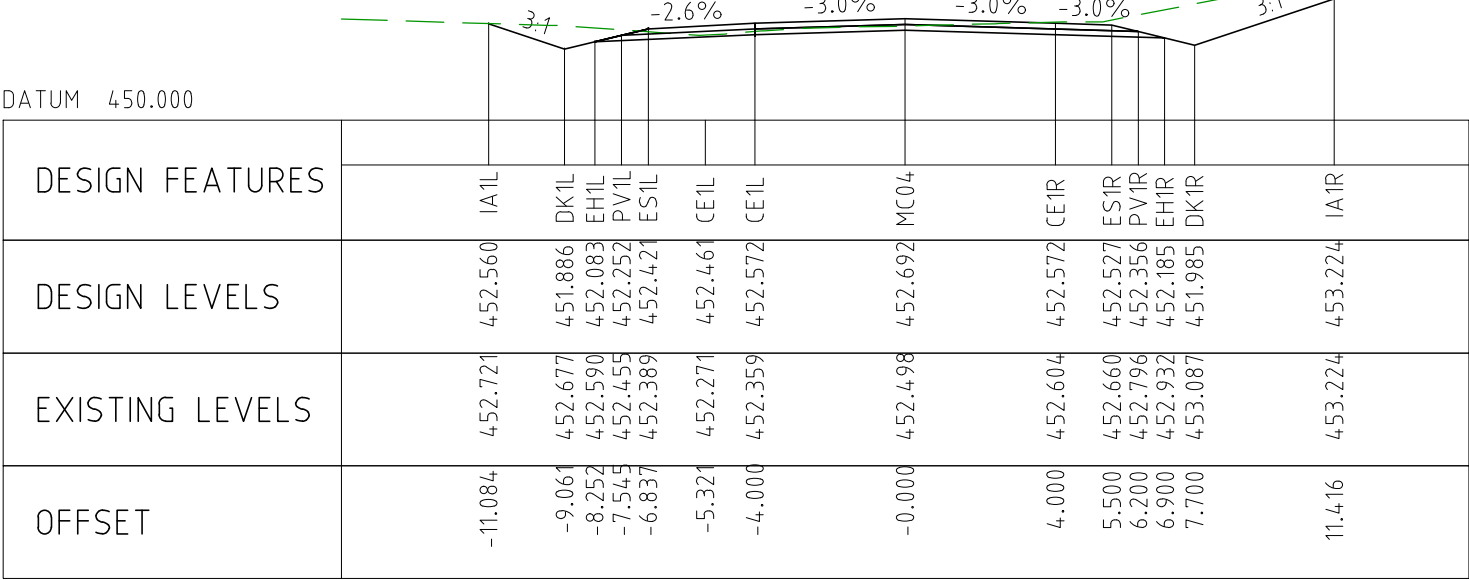
CHAINAGE 112950



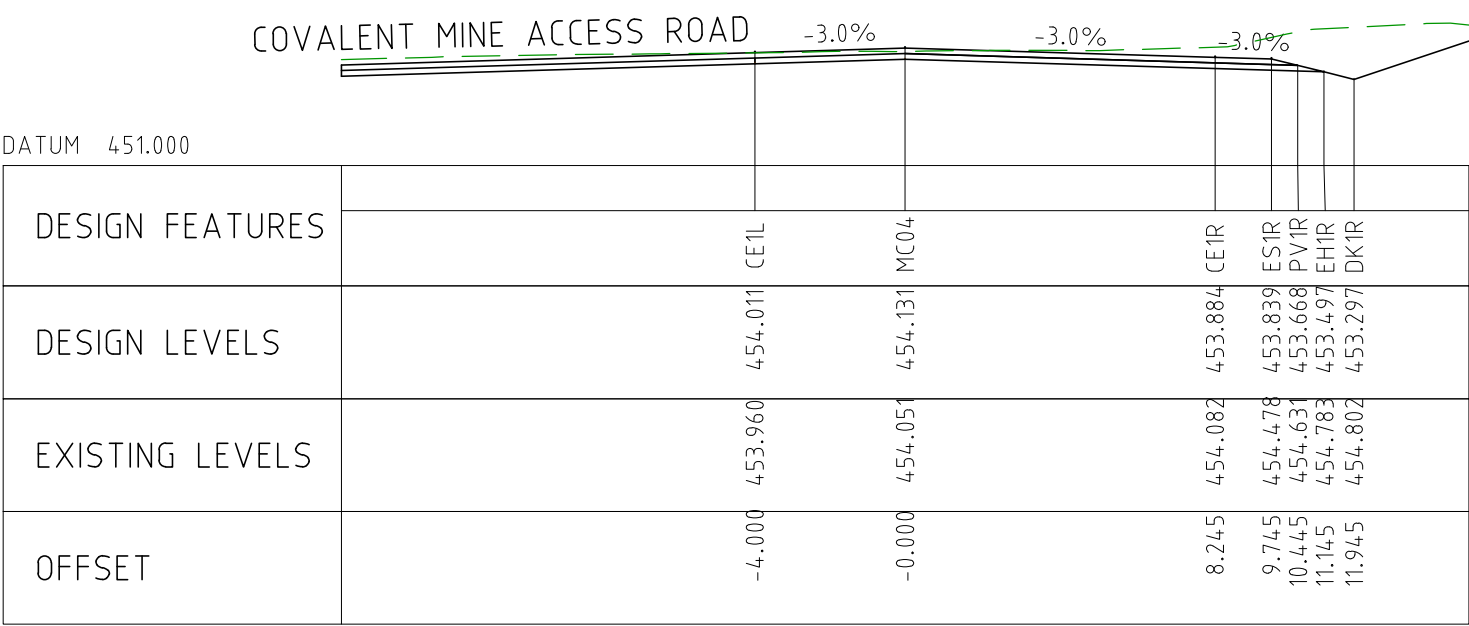
CHAINAGE 112900



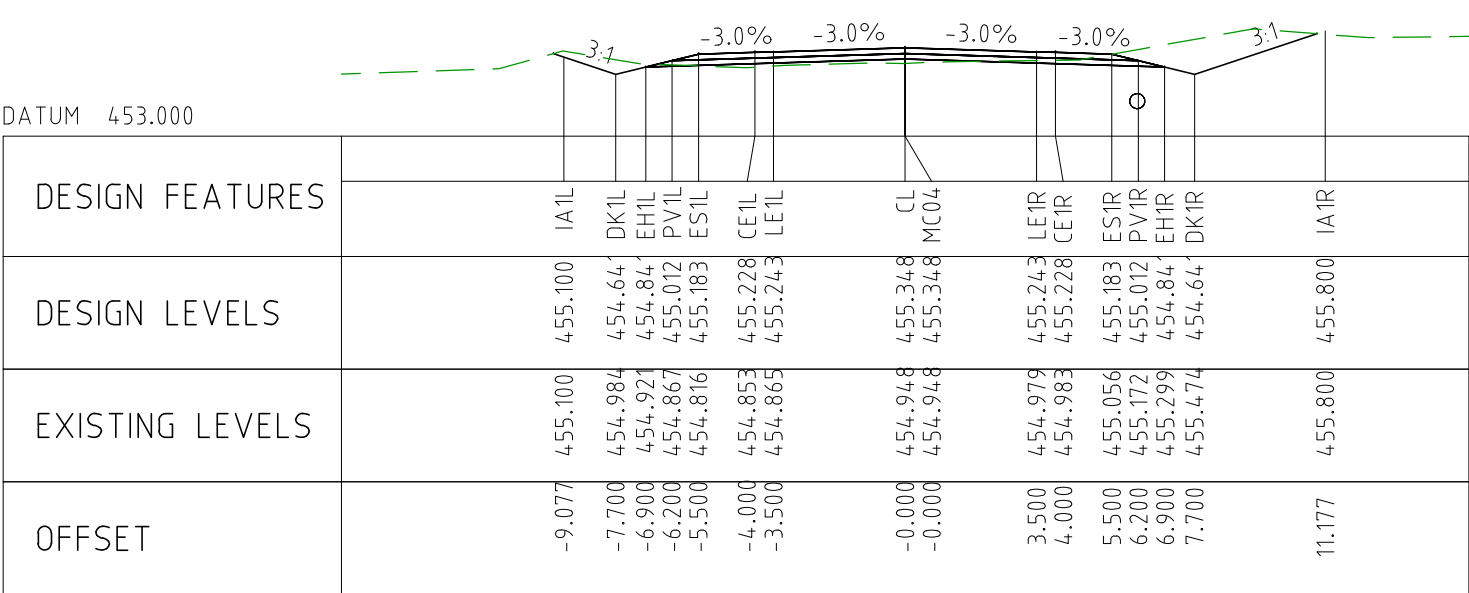
CHAINAGE 112850



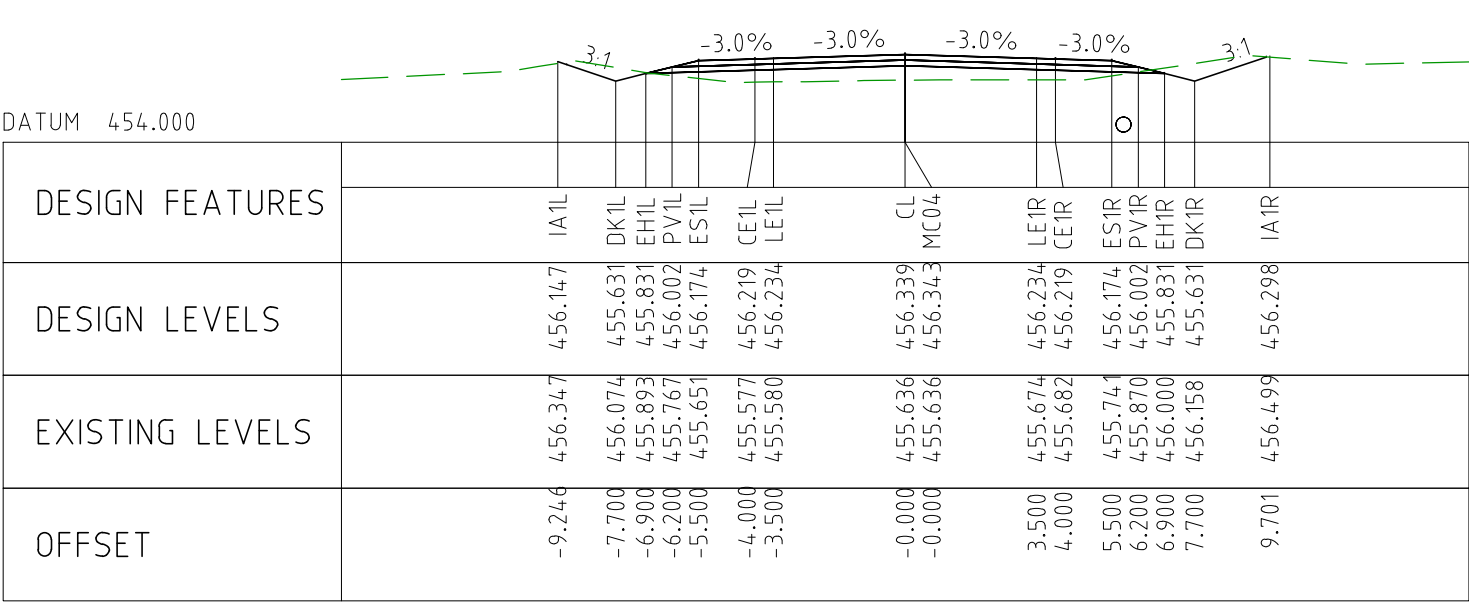
CHAINAGE 113300



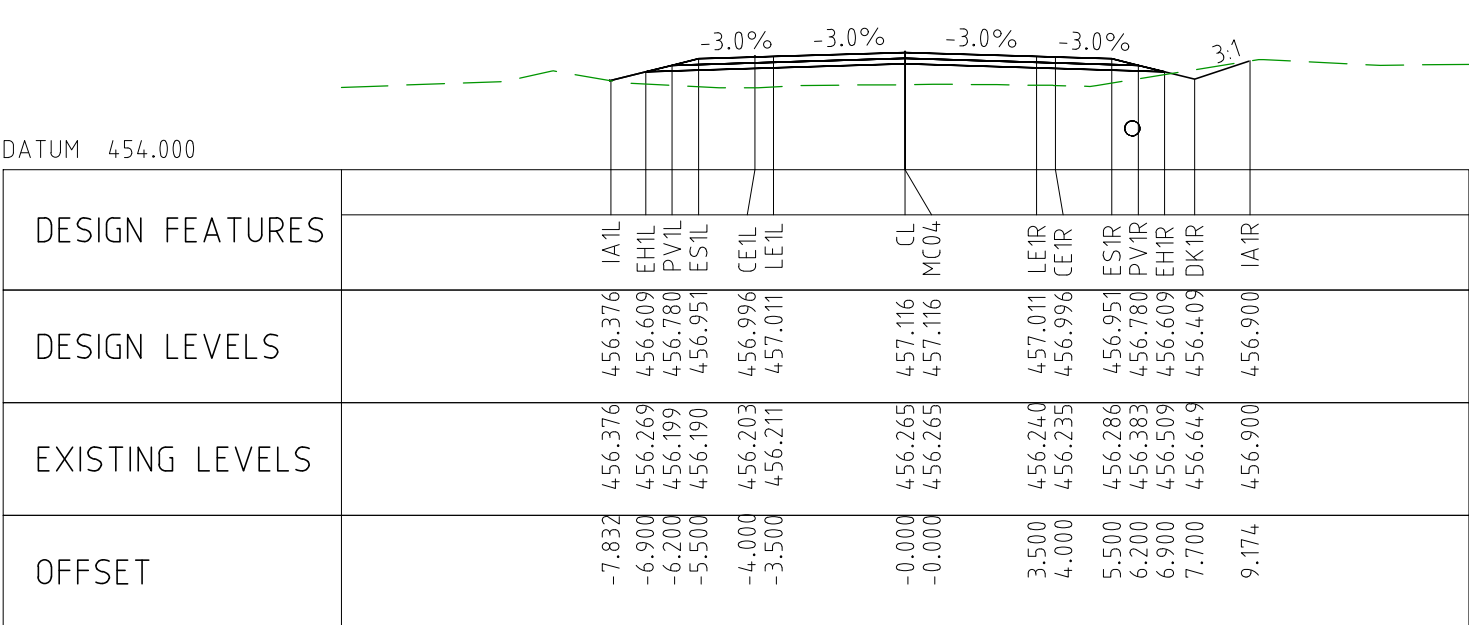
CHAINAGE 113250



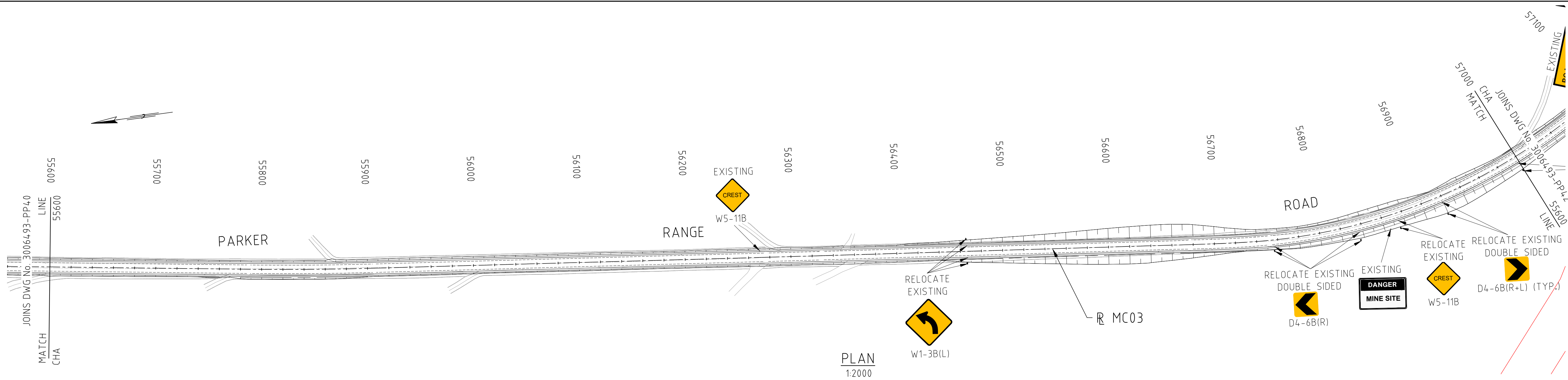
CHAINAGE 113200



CHAINAGE 113150



CHAINAGE 113100



SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)

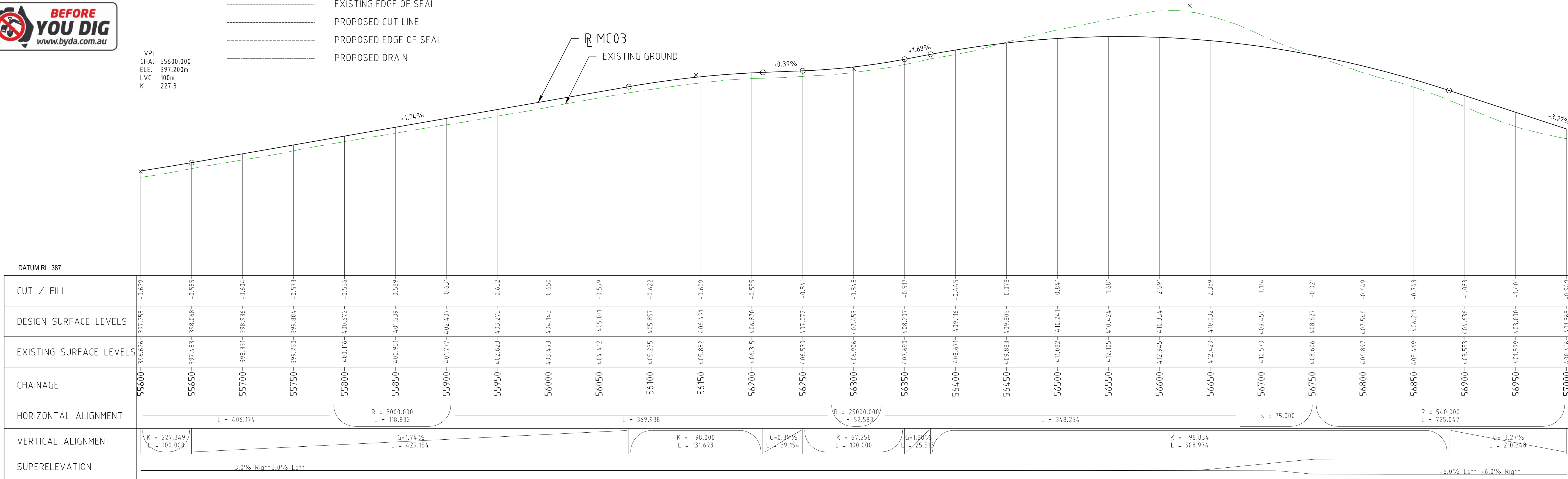


VPI
CHA. 55600.000
ELE. 397.200m
LVC 100m
K 227.3

VPI
CHA. 56145.000
ELE. 406.660m
LVC 131.693m
K 98



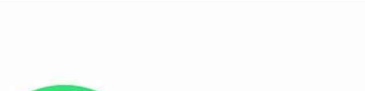

VPI
CHA. 56300.000
ELE. 407.268m
LVC 100m
K 67.3

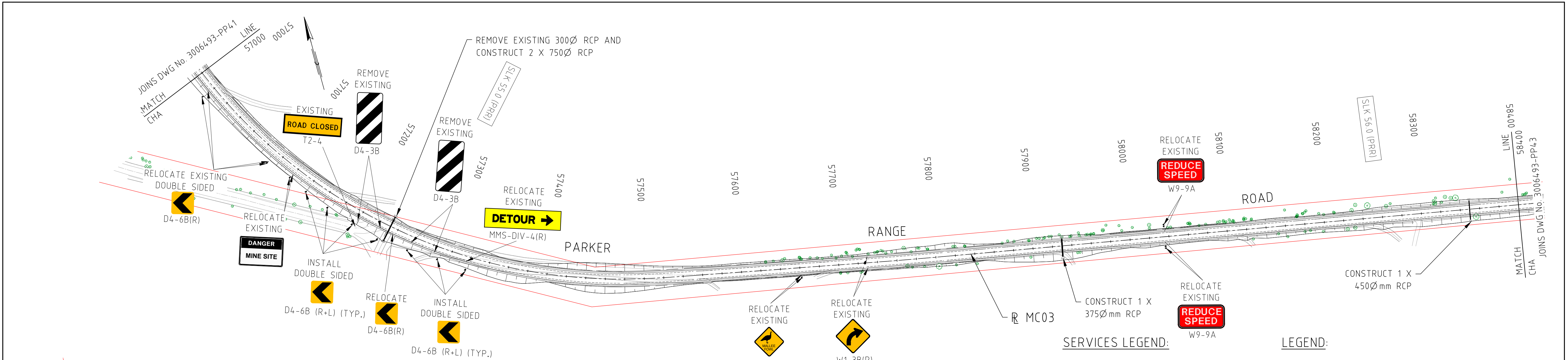
VPI
CHA. 56630.000
ELE. 413.468m
LVC 508.974m
K 98.8



DATUM RL 387																													
CUT / FILL	-0.629	-0.585	-0.604	-0.573	-0.556	-0.589	-0.631	-0.652	-0.650	-0.599	-0.622	-0.609	-0.555	-0.541	-0.518	-0.517	-0.445	0.078	0.841	1.681	2.591	2.389	1.114	-0.021	-0.649	-0.743	-1.083	-1.401	-0.949
DESIGN SURFACE LEVELS	397.255	398.068	398.936	399.804	400.672	401.539	402.407	403.275	404.143	405.011	405.857	406.491	406.870	407.072	407.453	407.690	409.116	409.805	410.241	410.424	410.354	410.032	409.456	408.627	407.546	406.211	404.636	403.000	401.365
EXISTING SURFACE LEVELS	396.626	397.483	398.331	399.230	400.116	400.951	401.777	402.623	403.493	404.412	405.235	405.882	406.315	406.530	406.906	407.690	408.671	409.883	411.082	412.105	412.945	412.420	410.570	408.606	406.897	405.469	403.553	401.599	400.616
CHAINAGE	55600	55650	55700	55750	55800	55850	55900	55950	56000	56050	56100	56150	56200	56250	56300	56350	56400	56450	56500	56550	56600	56650	56700	56750	56800	56850	56900	56950	57000
HORIZONTAL ALIGNMENT	L = 406.174			R = 3000.000 L = 118.832			L = 369.938			R = 25000.000 L = 52.583			L = 348.254			Ls = 75.000			R = 540.000 L = 725.047										
VERTICAL ALIGNMENT	K = 227.349 L = 100.000		G=1.74% L = 429.154		K = -98.000 L = 131.693		G=0.30% L = 39.154		K = 67.258 L = 100.000		G=1.88% L = 25.513		K = -98.834 L = 508.974		G=-3.27% L = 210.348														
SUPERELEVATION	-3.0% Right 3.0% Left																-6.0% Left +6.0% Right												

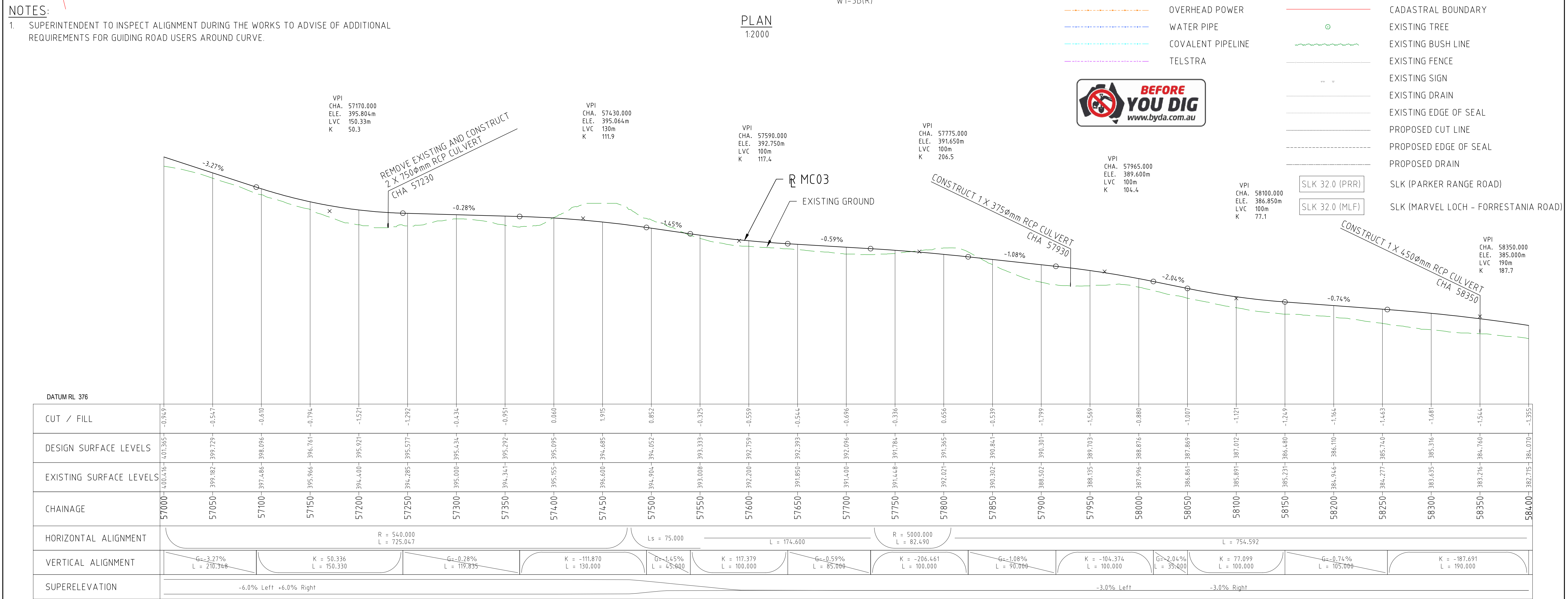
PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP41.dwg					PLOT DATE 04 Nov 2022		TIME 15:37:56		VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0066			
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC03 CHA 55600 TO CHA 57000	
								DRAFTER DM	SCALE 1:2000 		 Member of the Surbana Jurong Group © ABN 47 065 475 149			
						DRAFTING CHECK TM	SCALE 1:200 							
						DESIGNER DG								
						DESIGN CHECK TM								
						PROJECT MANAGER DM								
								PROJECT DIRECTOR RJ	SMC PROJECT No 3006493		PROJECT / DRAWING No 3006493-PP41			REVISION 0

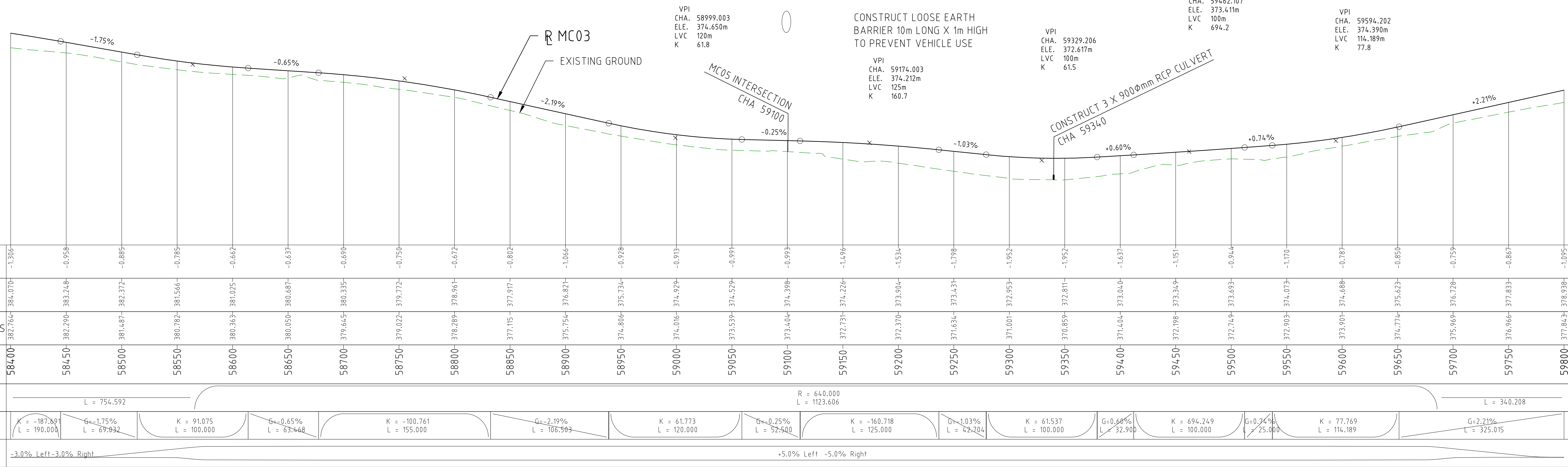
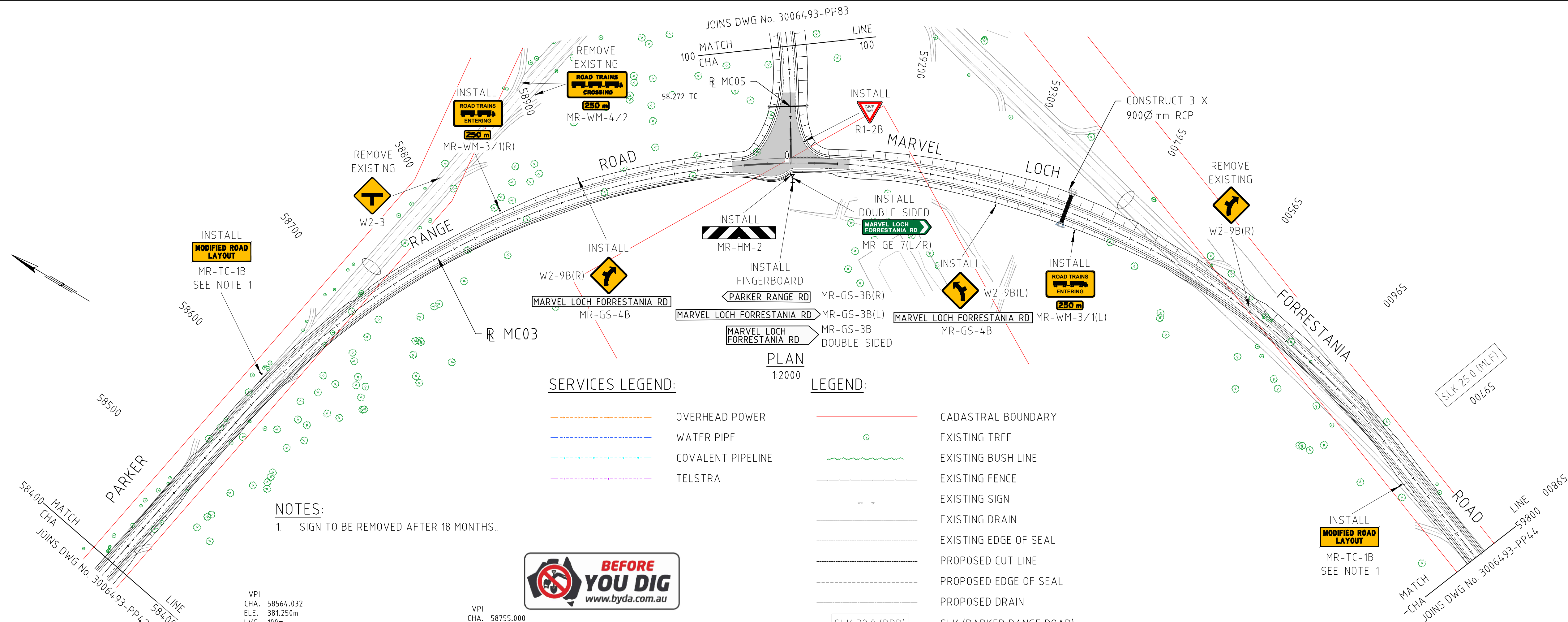


NOTES:


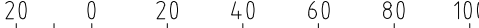
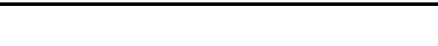

1. SUPERINTENDENT TO INSPECT ALIGNMENT DURING THE WORKS TO ADVISE OF ADDITIONAL REQUIREMENTS FOR GUIDING ROAD USERS AROUND CURVE.

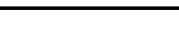



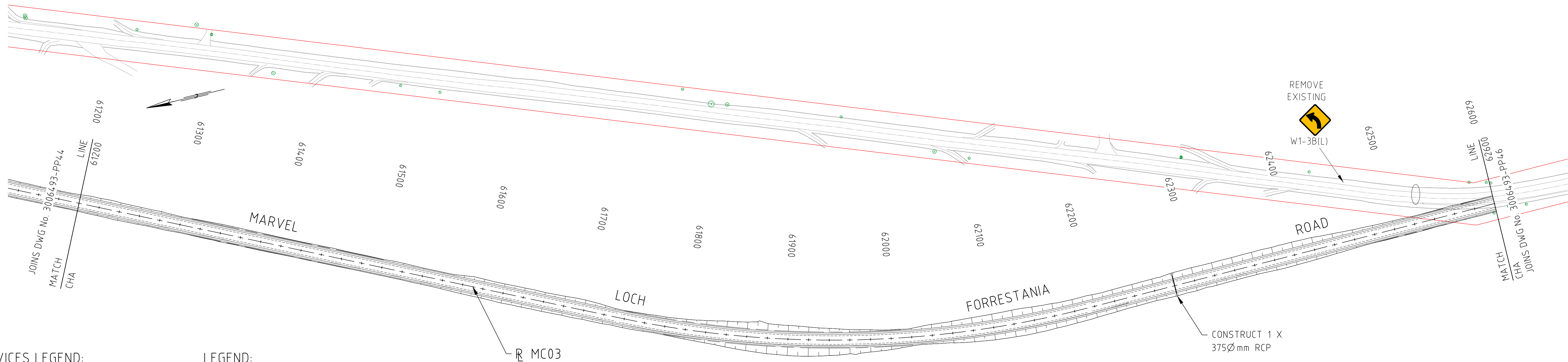
<div>PROFILE</div> <div><div>HORIZONTAL 1:2000</div><div>VERTICAL 1:200</div></div>															
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP42.dwg					PLOT DATE 07 Nov 2022		TIME 13:10:14								
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING	DESIGNER	CLIENT	PROJECT TITLE			
	0	04.11.22	ISSUED FOR CONSTRUCTION		003	NM	DRAFTER	DM	<div><div>SCALE 1:2000</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div> <div><div>SCALE 1:200</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div>	<div><div><div></div><div></div><div></div></div><div><div>SMEC</div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div></div> <div>SMEC PROJECT No 3006493</div>	<div><div><div></div><div></div><div></div></div><div><div>covalent</div><div>LITHIUM</div></div></div>	MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC03 CHA 57000 TO CHA 58400			
							DRAFTING CHECK	TM							
							DESIGNER	DG							
							DESIGN CHECK	TM							
							PROJECT MANAGER	DM							
							PROJECT DIRECTOR	RI				SCALE	PHASE	PROJECT / DRAWING No	REVISION
												AS NOTED	DETAILED	3006493-PP42	0



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP43.dwg				PLOT DATE 04 Nov 2022		TIME 15:41:30		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0068			
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE	<div>SCALES AT A1 SIZE DRAWING</div> <div>SCALE 1:2000 </div> <div>SCALE 1:200 </div>		<div>DESIGNER</div> <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> <div>SMEC PROJECT No 3006493</div>		<div>CLIENT</div> <div></div>		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD PLAN AND PROFILE - MC03 CHA 58400 TO CHA 59800	
							NAME								
							DRAFTER DM								
							DRAFTING CHECK TM								
							DESIGNER DG								
							DESIGN CHECK TM								
							PROJECT MANAGER DM								
PROJECT DIRECTOR RI	REVISION 0														

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP44.dwg					PLOT DATE 04 Nov 2022		TIME 15:43:29		VERTICAL 1:200		CLIENT DOCUMENT No COV-M040-CI-DWG-0069						
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL NM	TITLE DRAFTER DM	SCALES AT A1 SIZE DRAWING <div><div>SCALE 1:2000</div><div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div></div> <div><div>SCALE 1:200</div><div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div></div>		DESIGNER <div><div></div><div>SMEC Member of the Surbana Jurong Group © ABN 47 065 475 149</div></div> <div>SMEC PROJECT No 3006493</div>	CLIENT <div><div></div><div>covalent LITHIUM</div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD PLAN AND PROFILE - MC03 CHA 59800 TO CHA 61200		SCALE AS NOTED	PHASE DETAILED	PROJECT / DRAWING No 3006493-PP44	REVISION 0



SERVICES LEGEND:

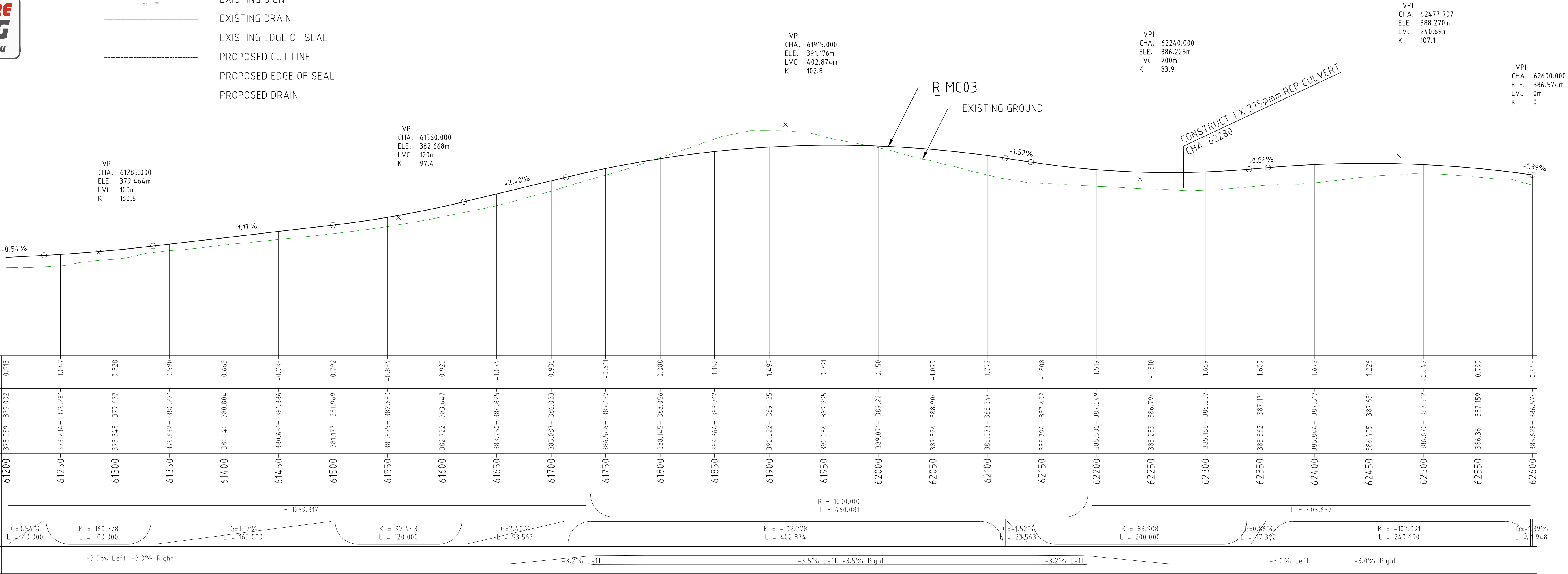
- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN

- SLK 32.0 (PRR) SLK (PARKER RANGE ROAD)
- SLK 32.0 (MLF) SLK (MARVEL LOCH - FORRESTANIA ROAD)
- CONSTRUCT LOOSE EARTH BARRIER 10m LONG X 1m HIGH TO PREVENT VEHICLE USE

PLAN
1:2000



PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

DRAWING FILE LOCATION / NAME
V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP45.dwg

EXTERNAL REFERENCE FILES

PLOT DATE
04 Nov 2022

TIME
15:45:46

REV
0

DATE
04.11.22

AMENDMENT / REVISION DESCRIPTION
ISSUED FOR CONSTRUCTION

WVR No
003

APPROVAL
NM

TITLE
DRAFTER
DESIGNER
DESIGN CHECK
PROJECT MANAGER
PROJECT DIRECTOR

NAME
DM
TM
DG
TM
DM
RI

SCALES AT A1 SIZE DRAWING

SCALE 1:2000
SCALE 1:200

DESIGNER
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149

CLIENT
covalent LITHIUM

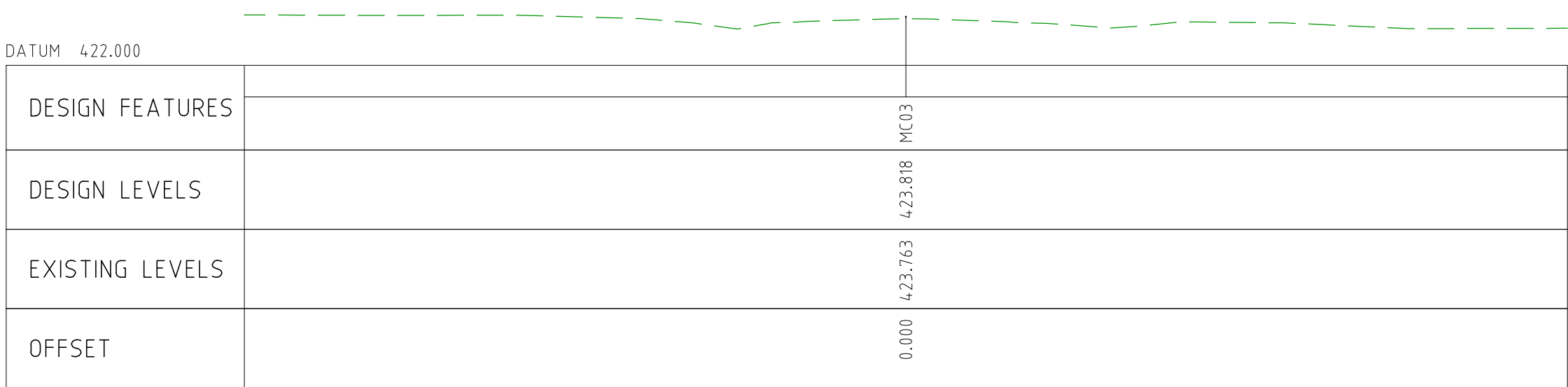
PROJECT TITLE
MOUNT HOLLAND LITHIUM MINE
MARVEL LOCH FORRESTANIA ROAD
PLAN AND PROFILE - MC03
CHA 61200 TO CHA 62600

SCALE
AS NOTED

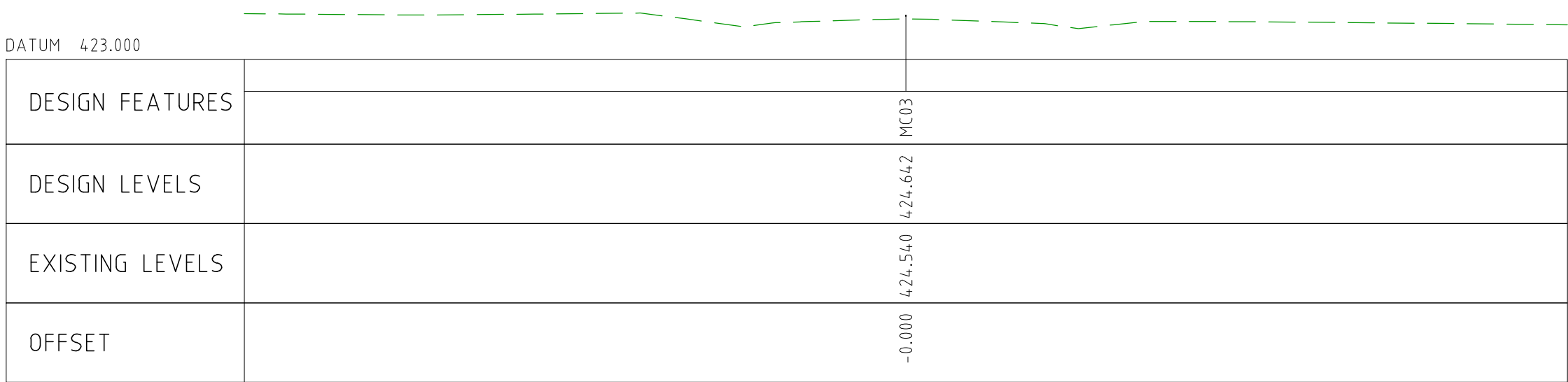
PHASE
DETAILED

PROJECT / DRAWING No
3006493-PP45

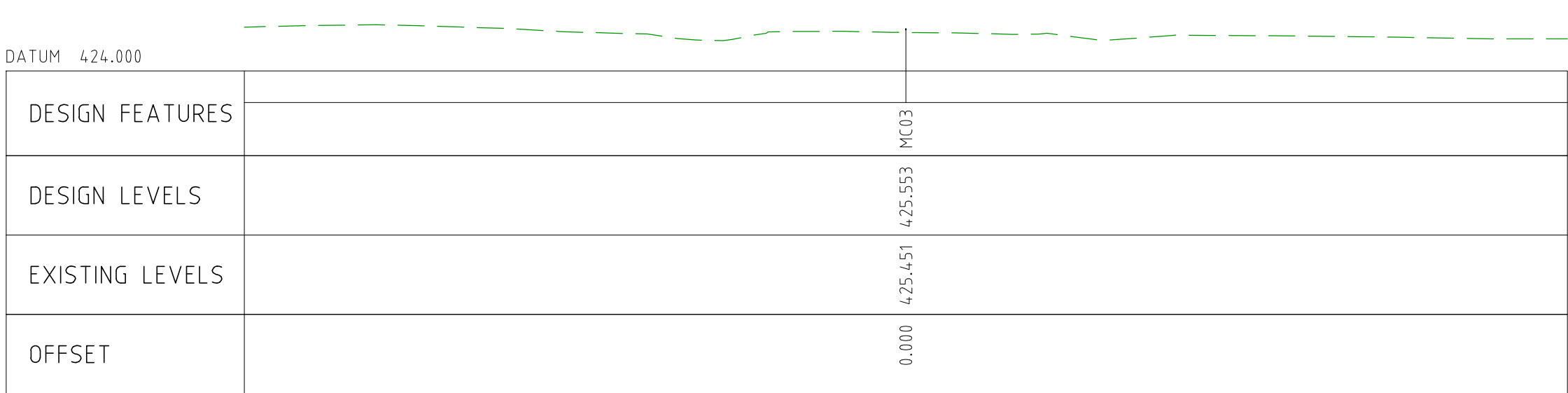
REVISION
0



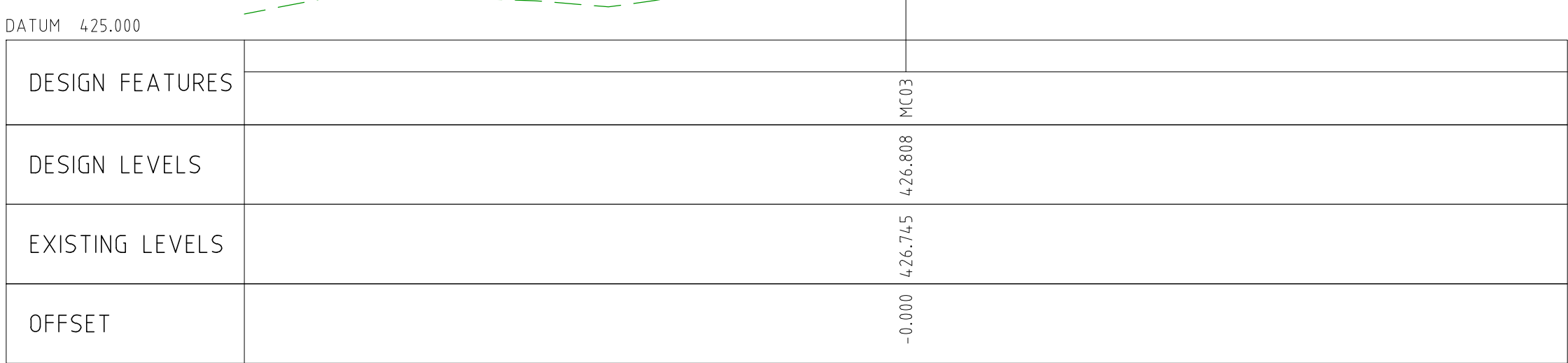
CHAINAGE 50200



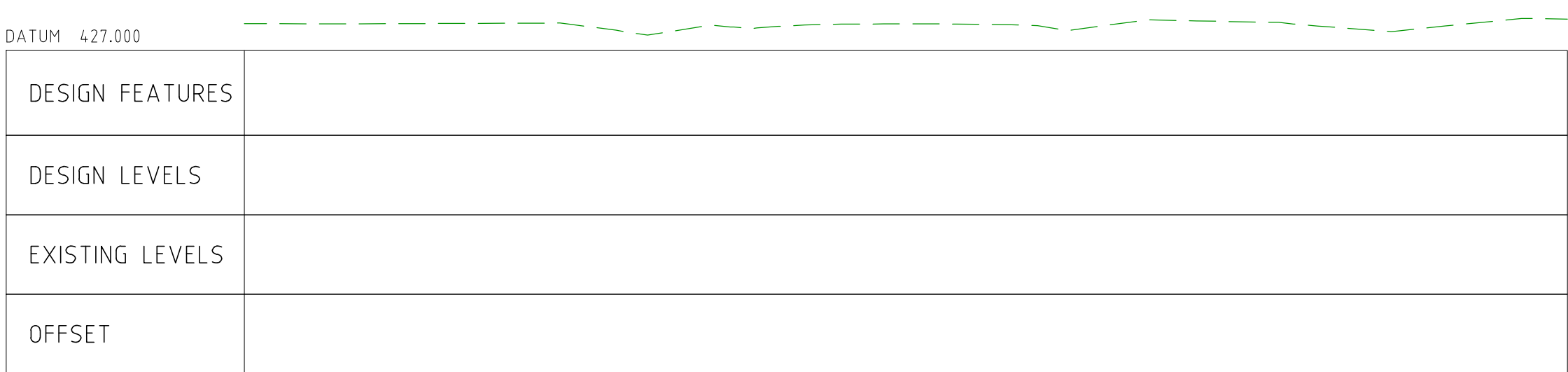
CHAINAGE 50150



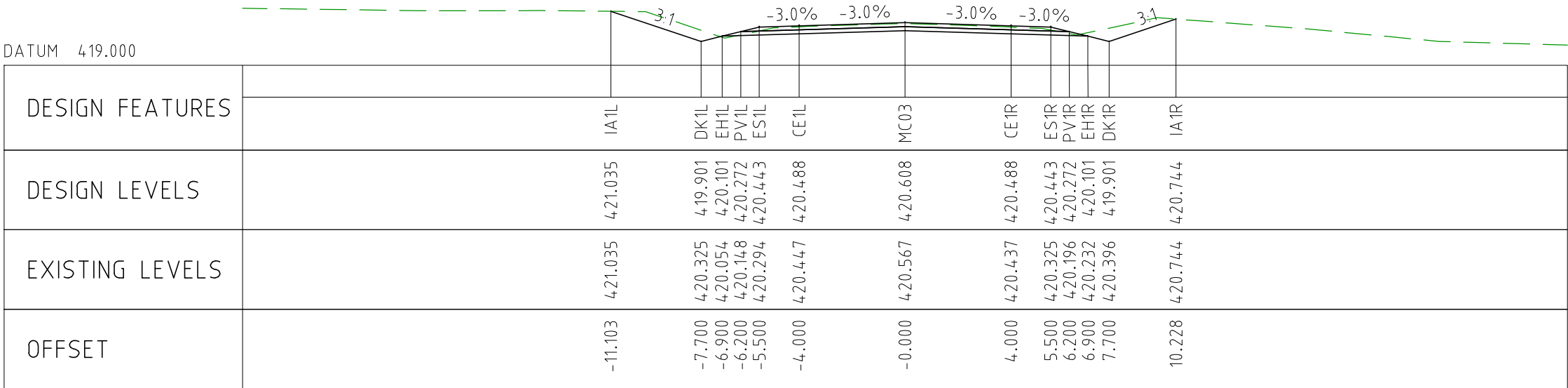
CHAINAGE 50100



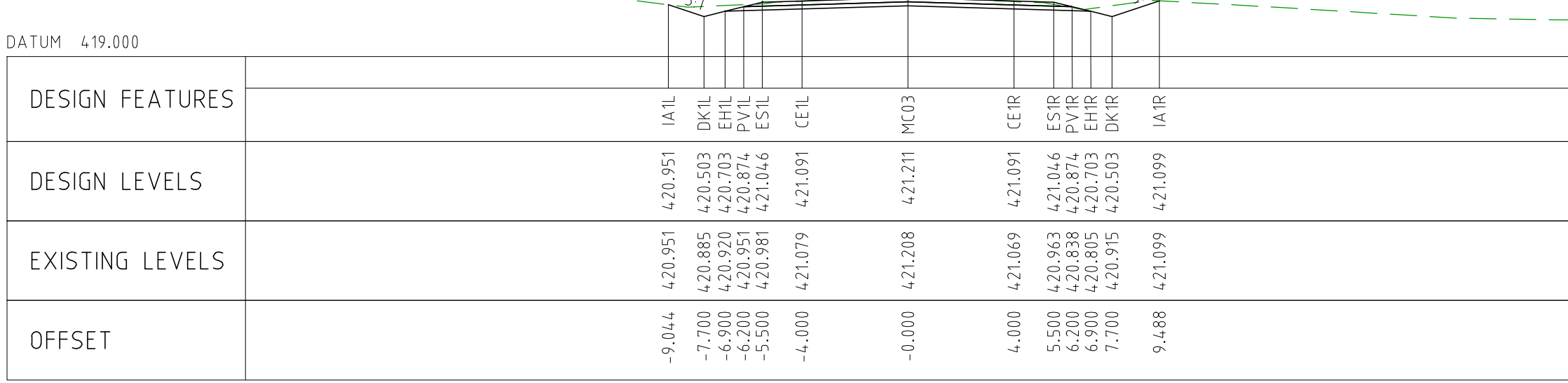
CHAINAGE 50050



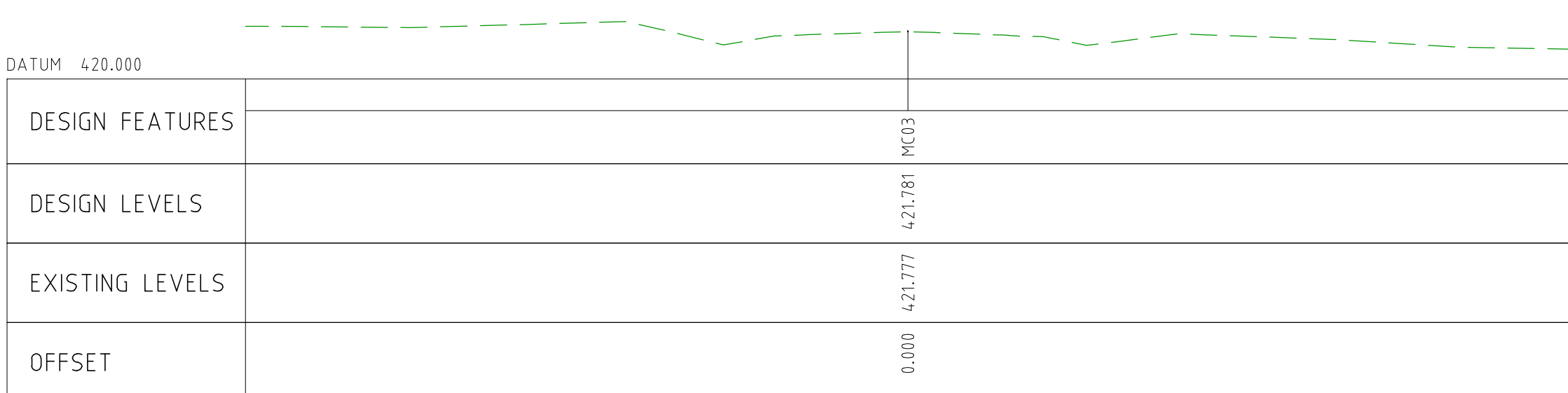
CHAINAGE 50000



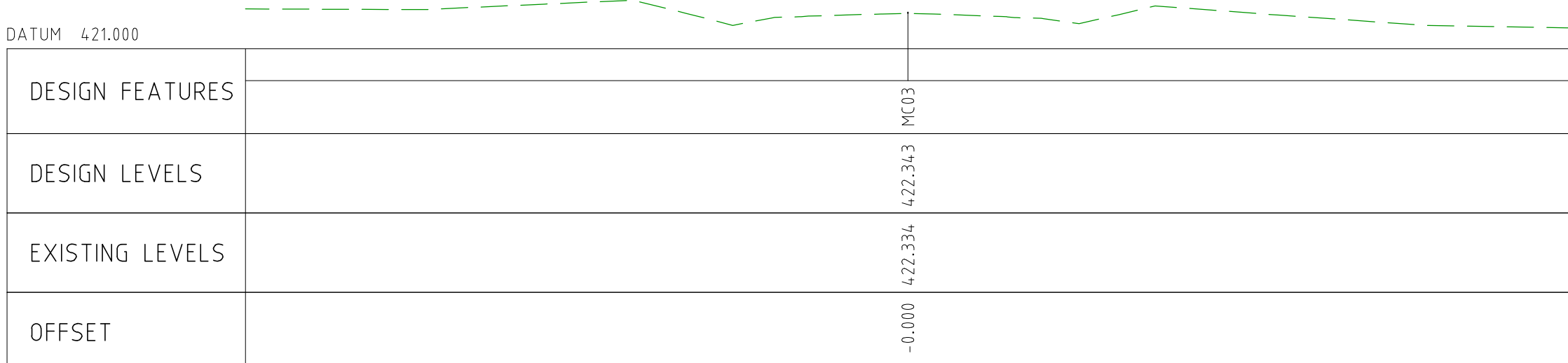
CHAINAGE 50450



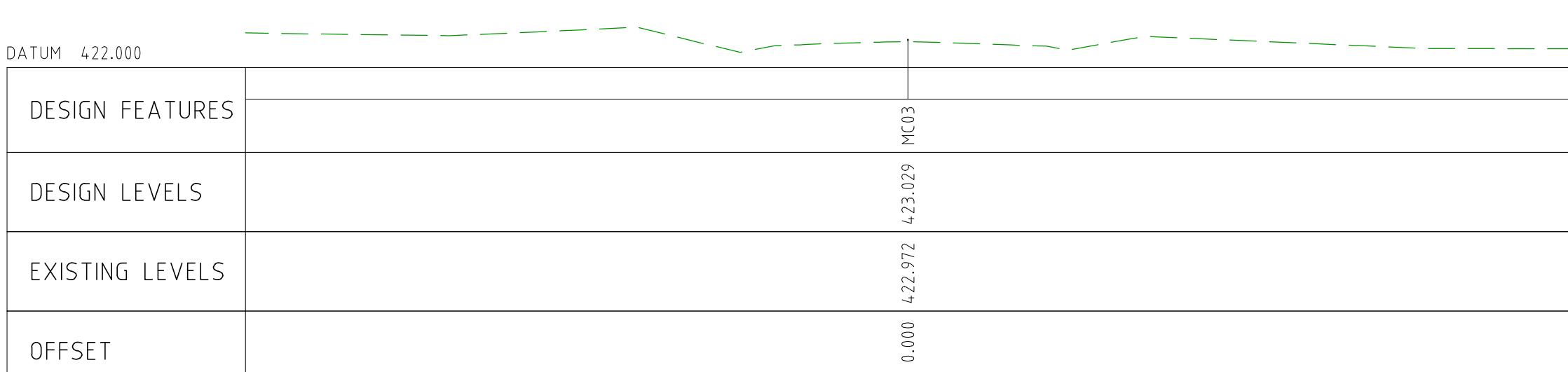
CHAINAGE 50400



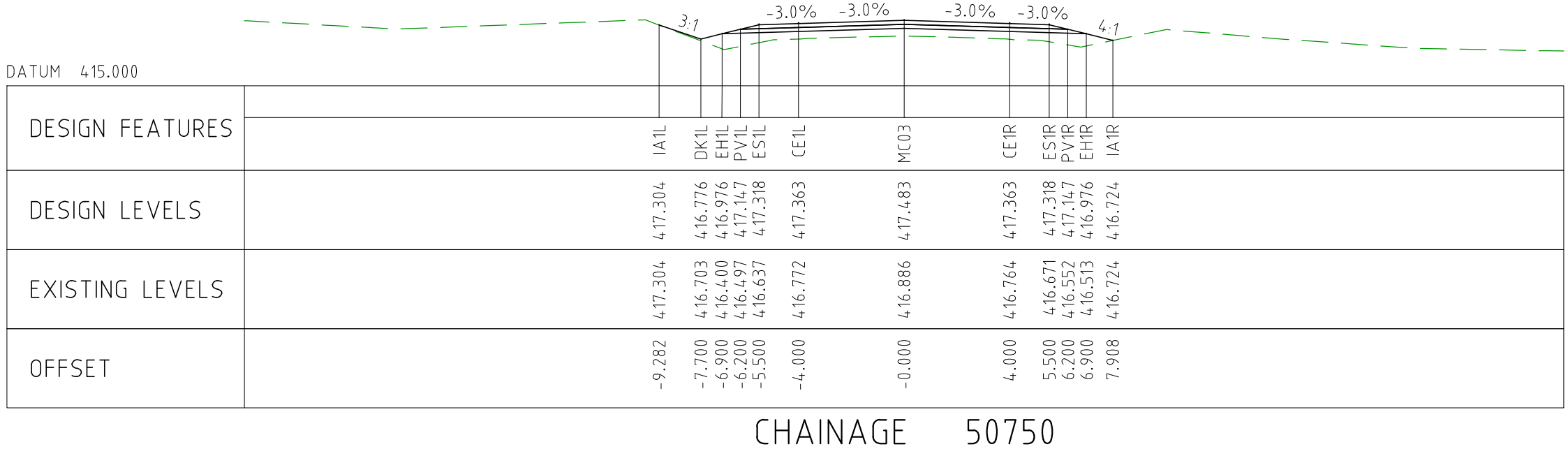
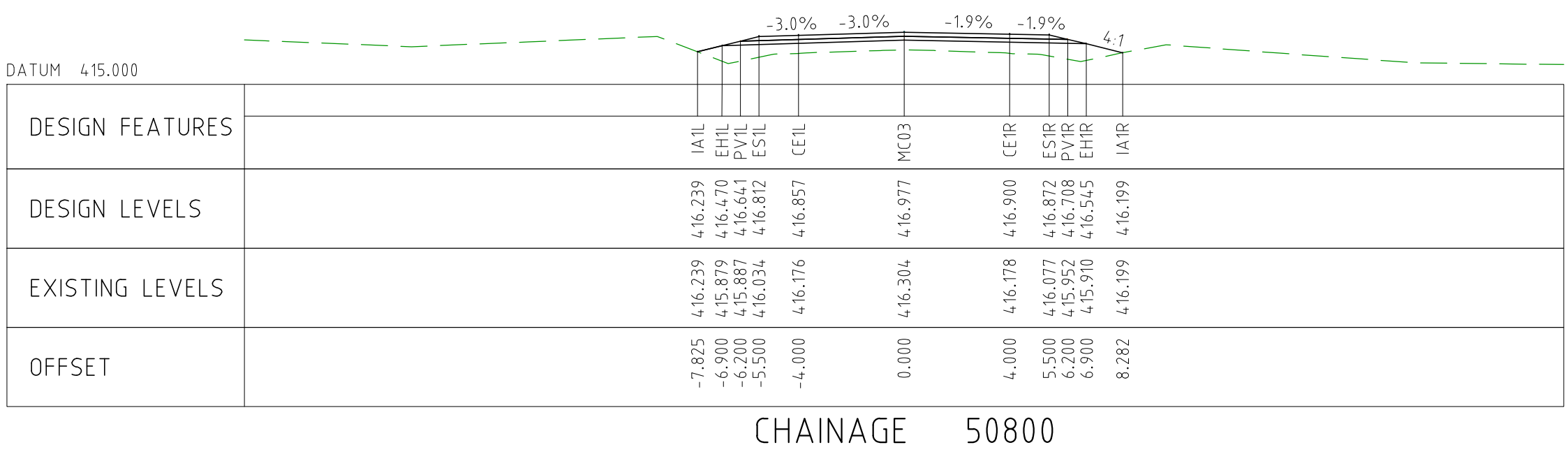
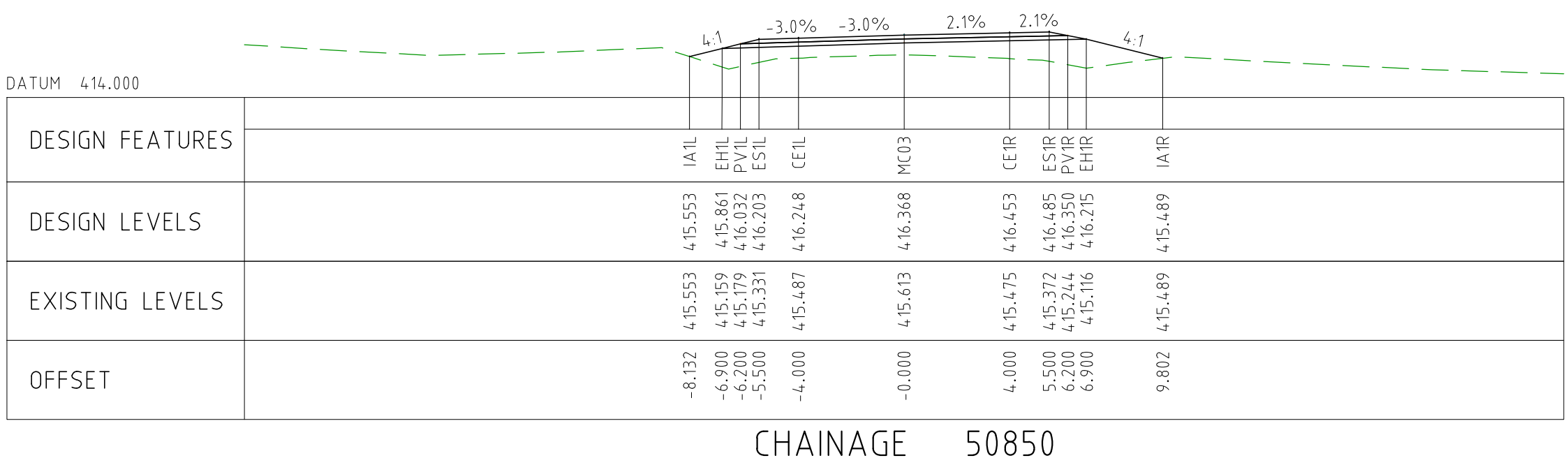
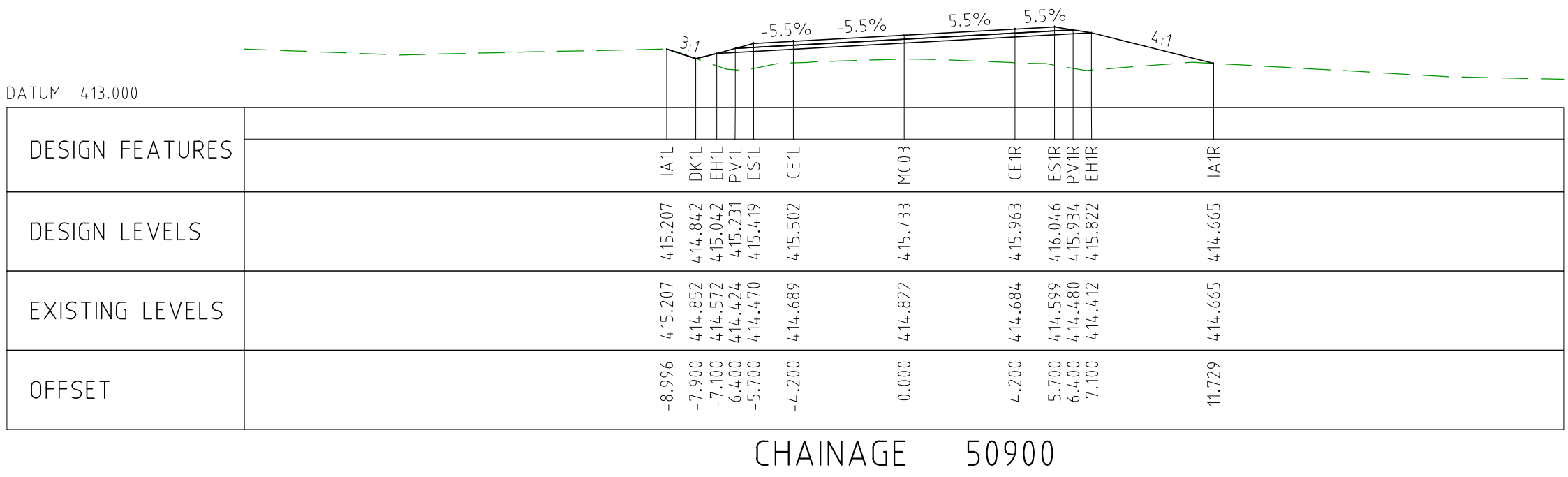
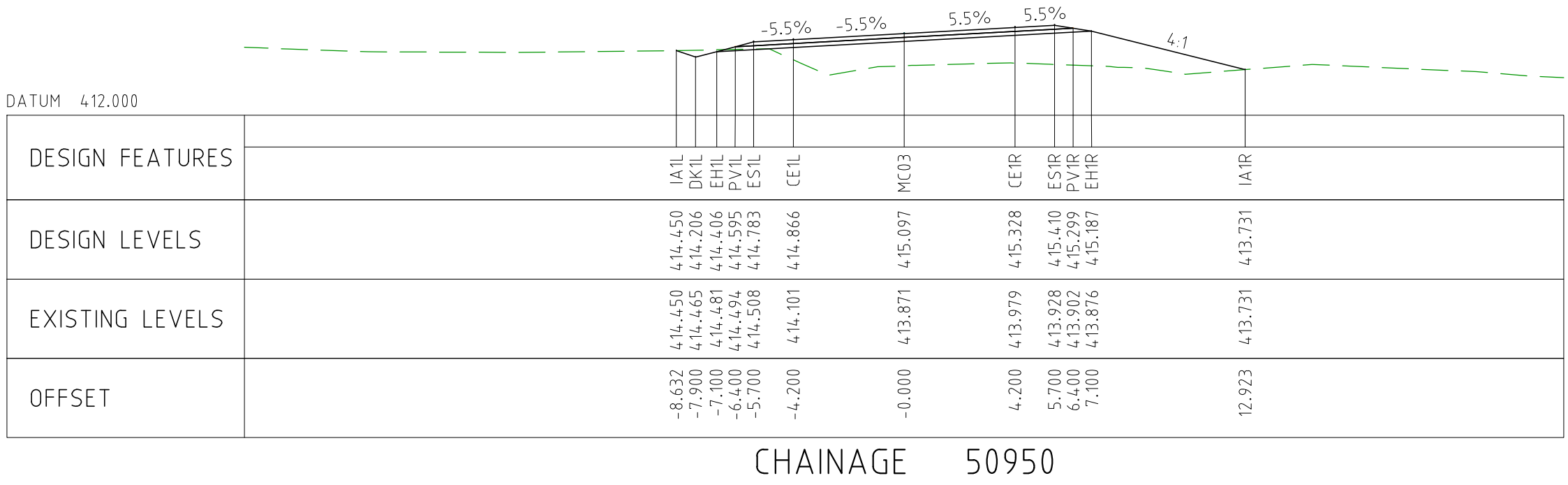
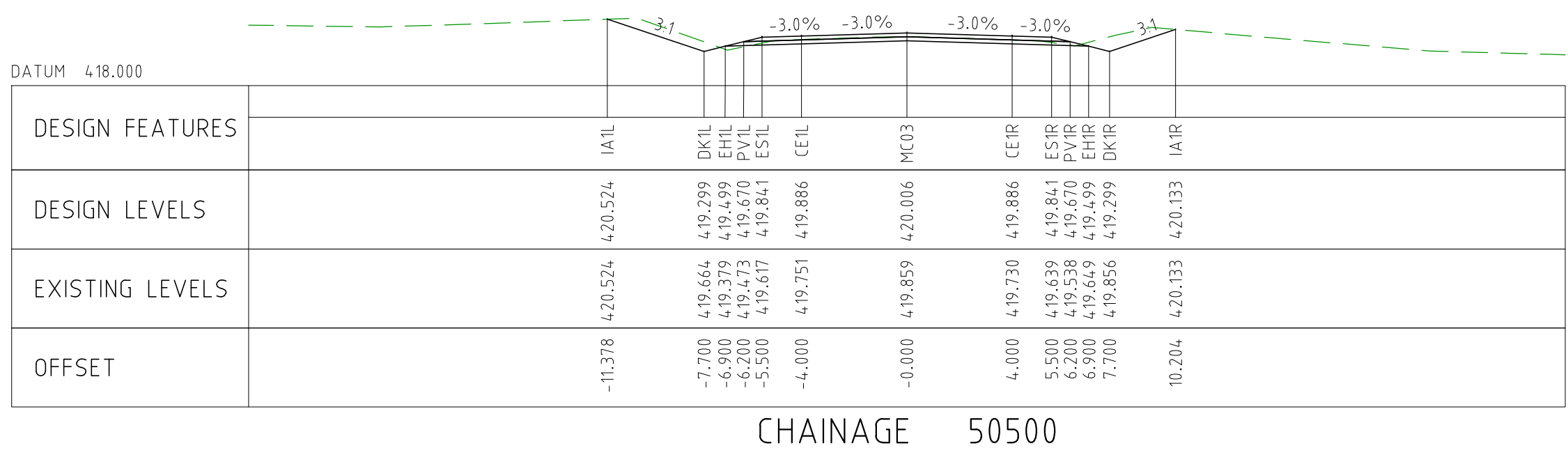
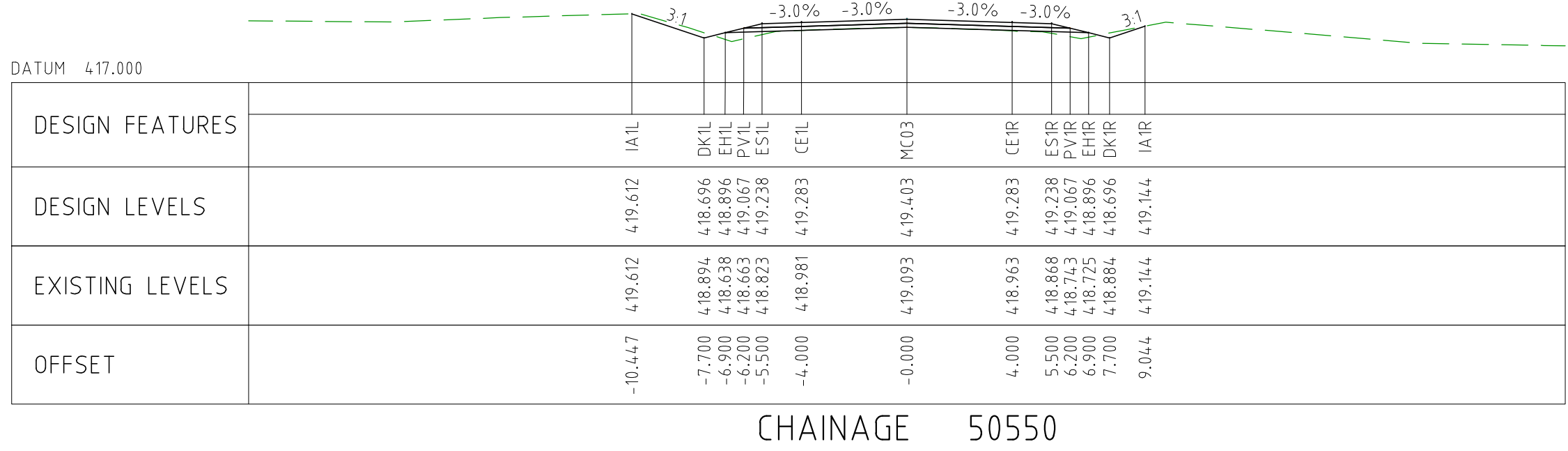
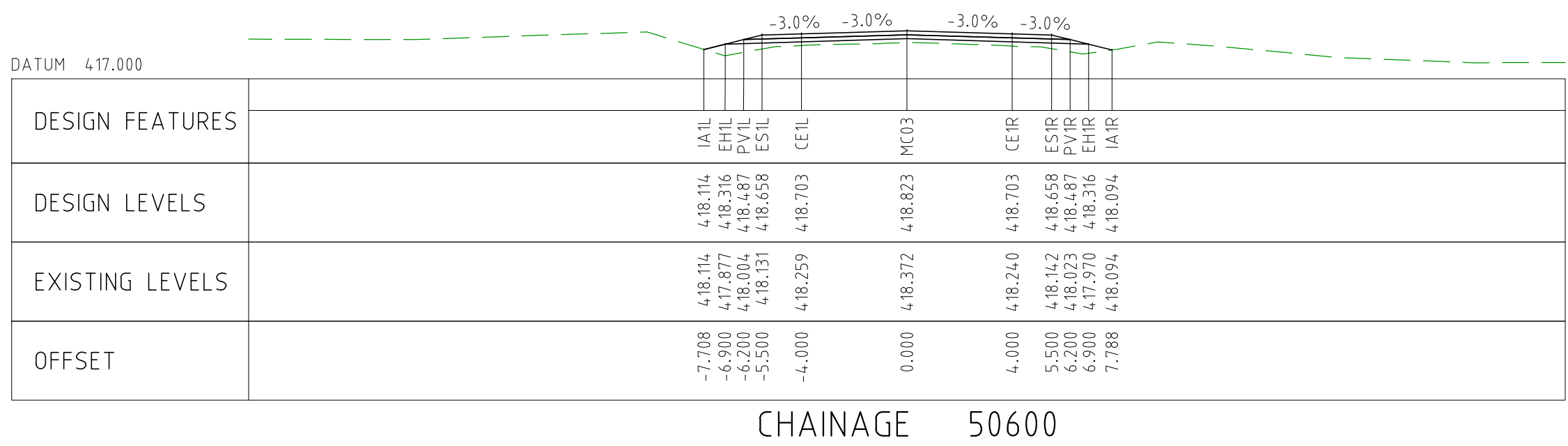
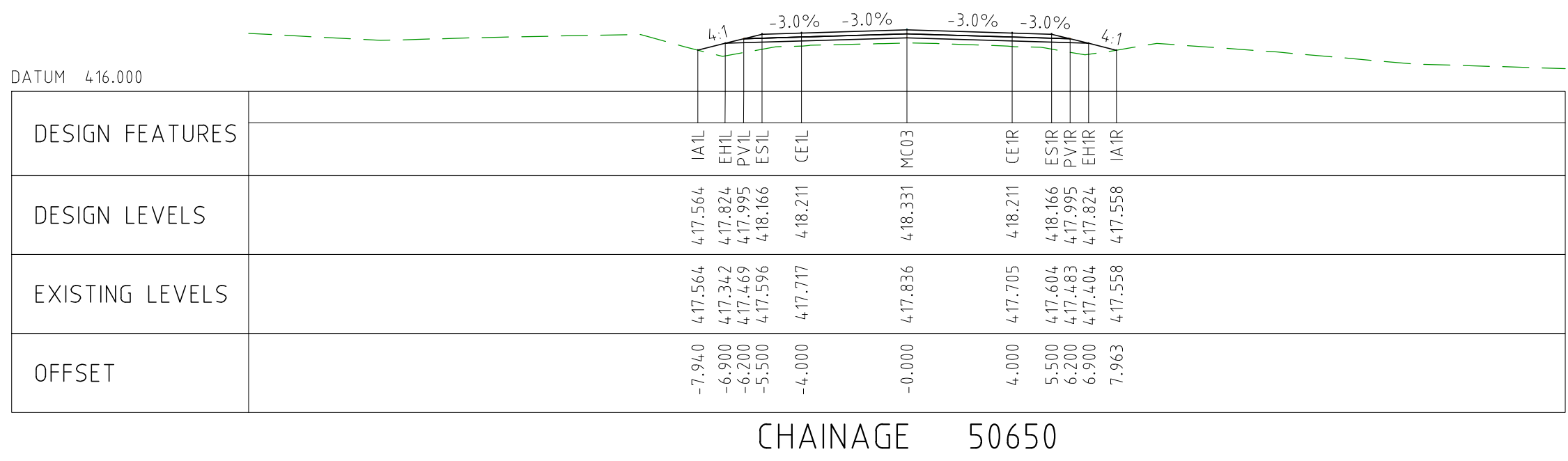
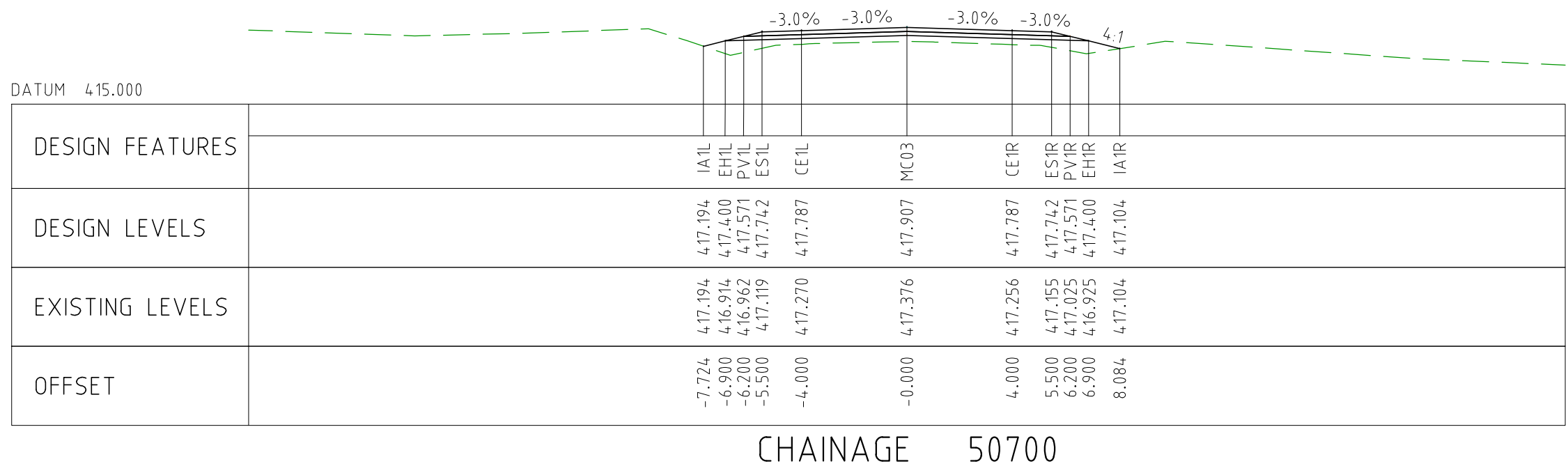
CHAINAGE 50350

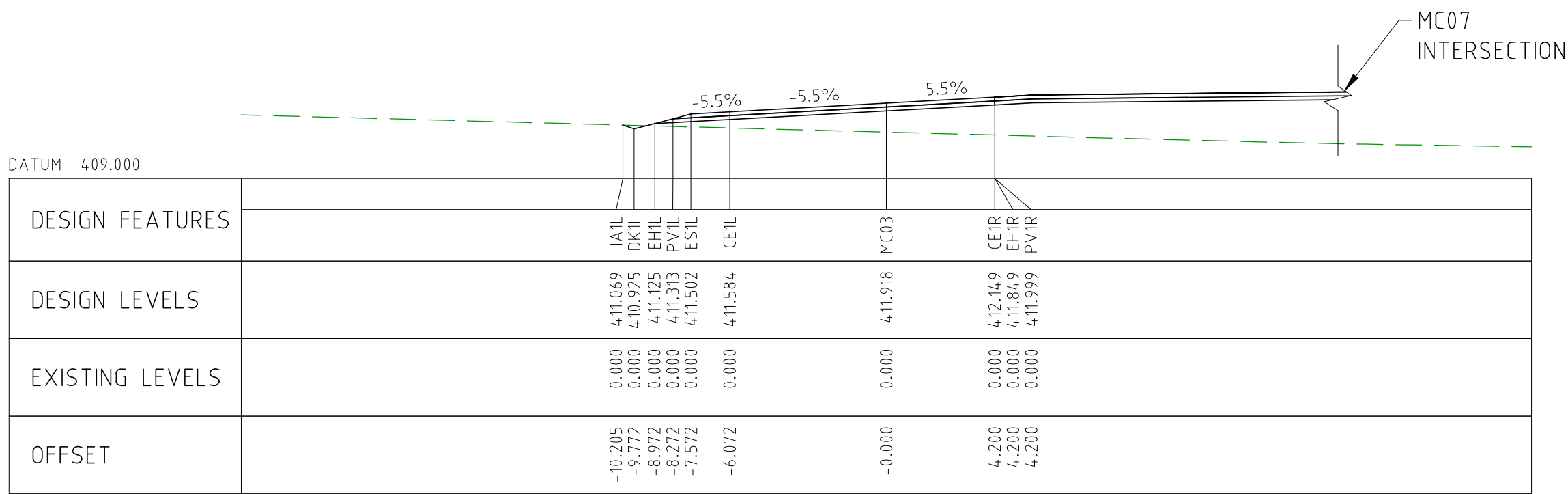


CHAINAGE 50300

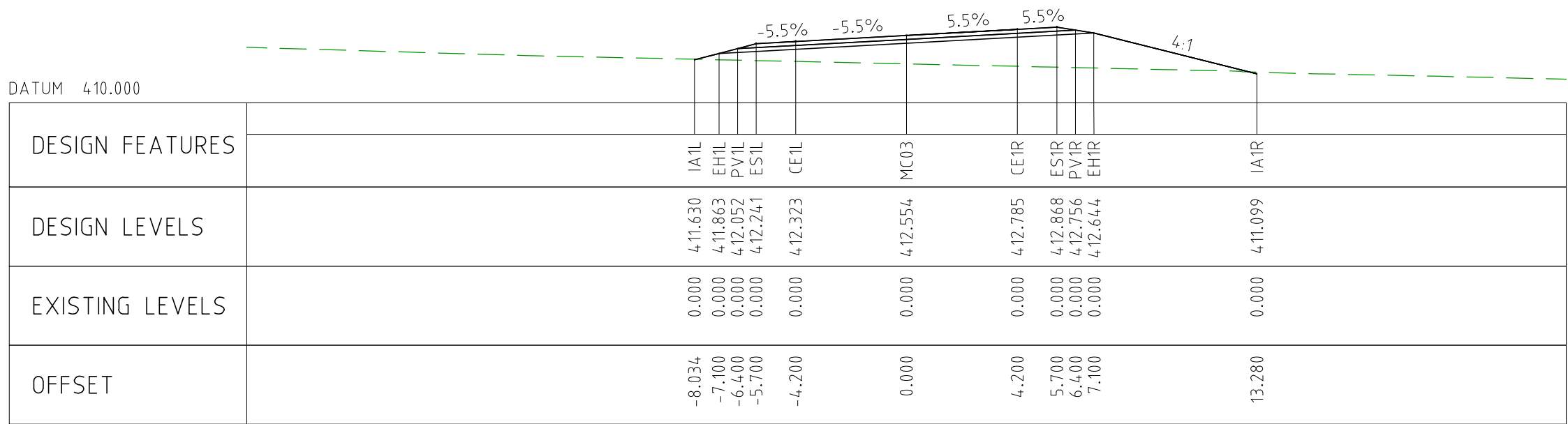


CHAINAGE 50250

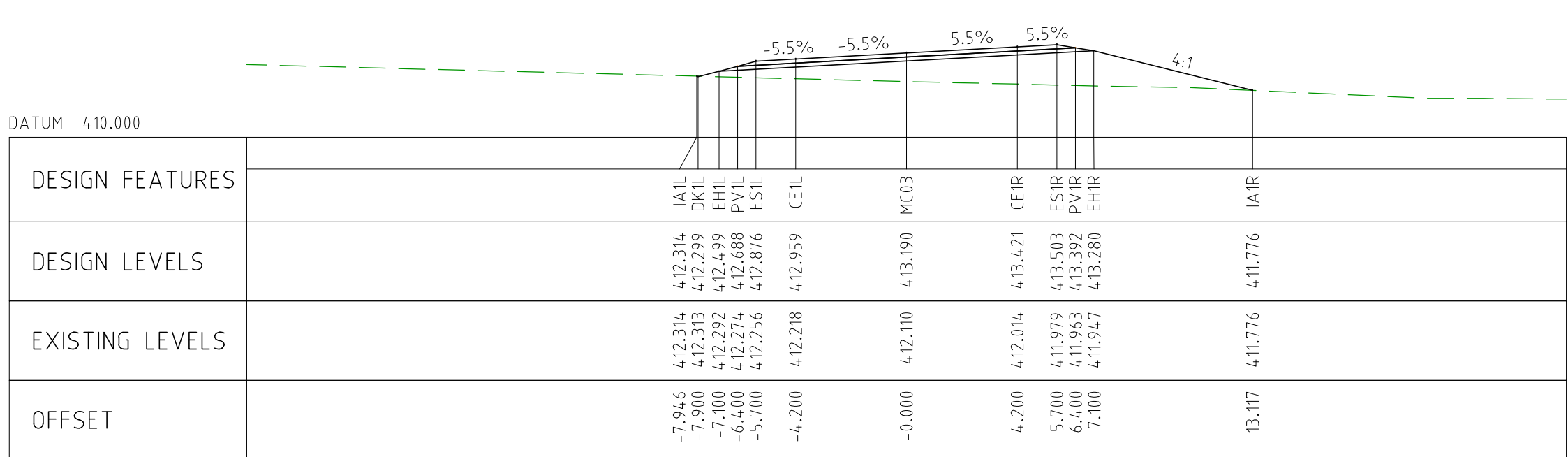




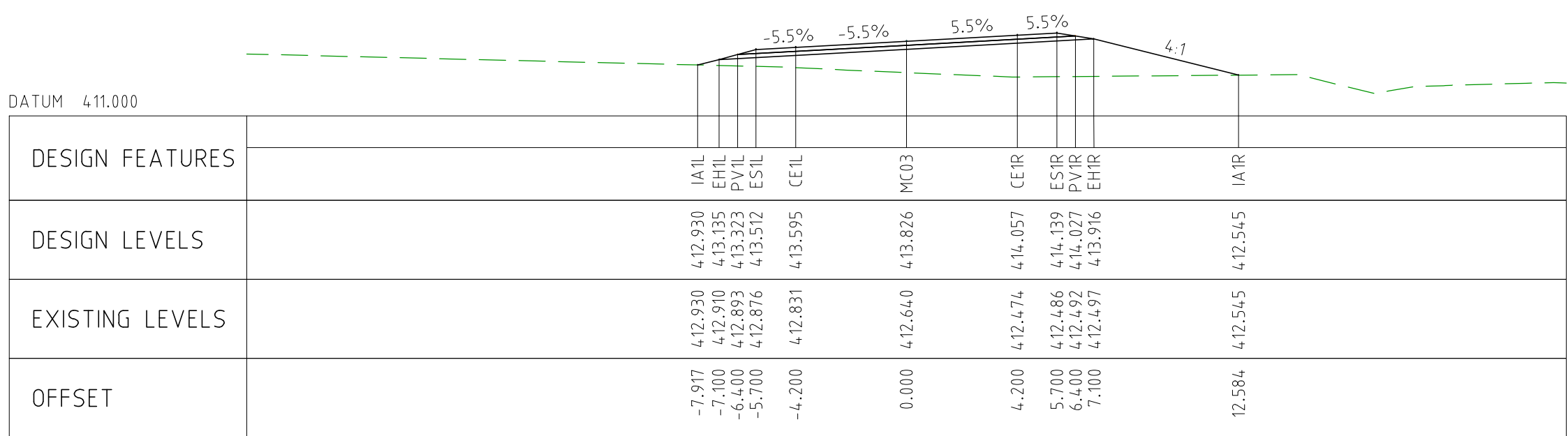
CHAINAGE 51200



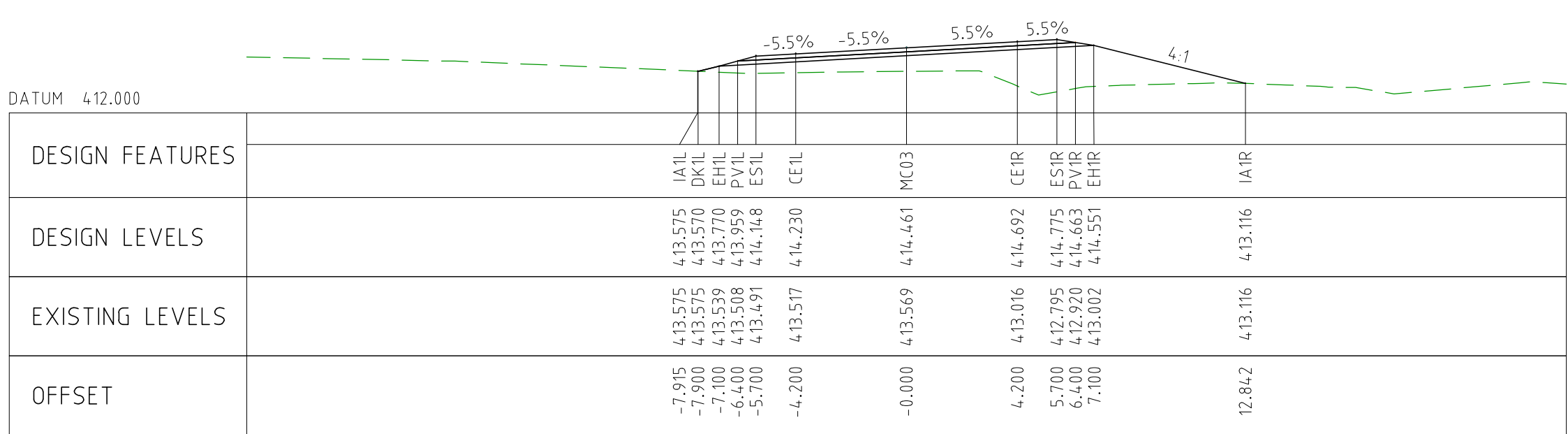
CHAINAGE 51150



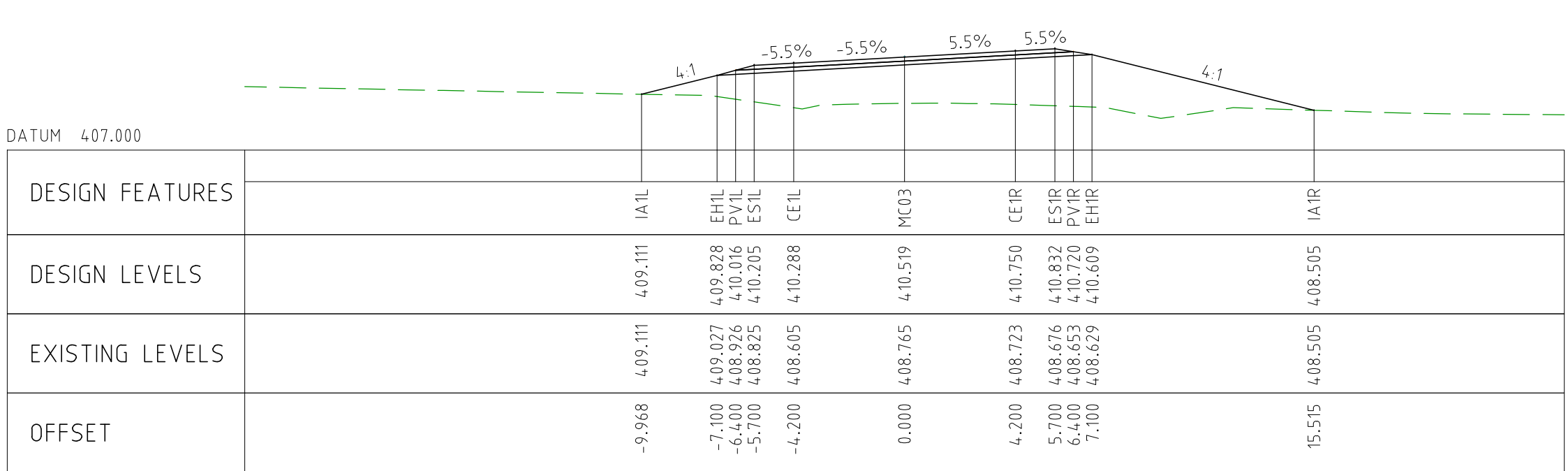
CHAINAGE 51100



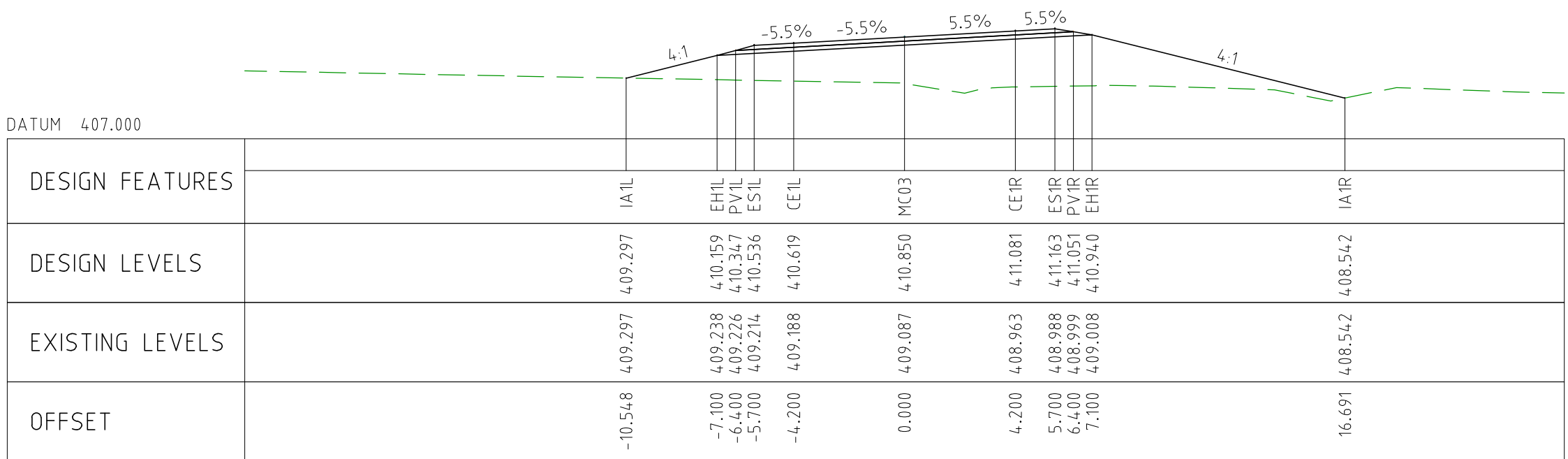
CHAINAGE 51050



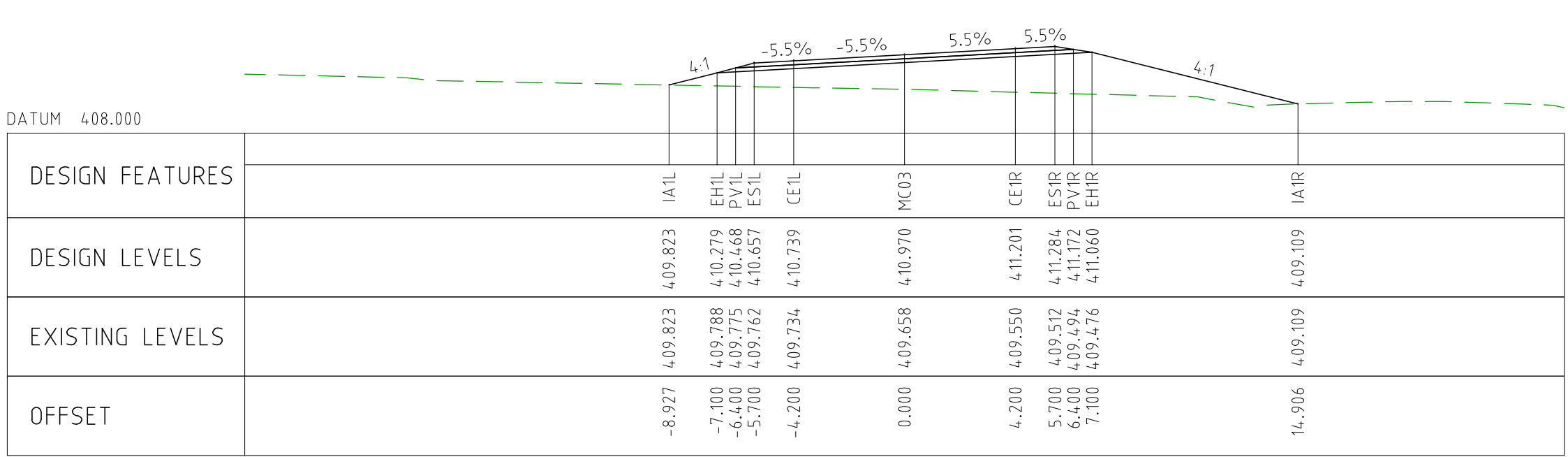
CHAINAGE 51000



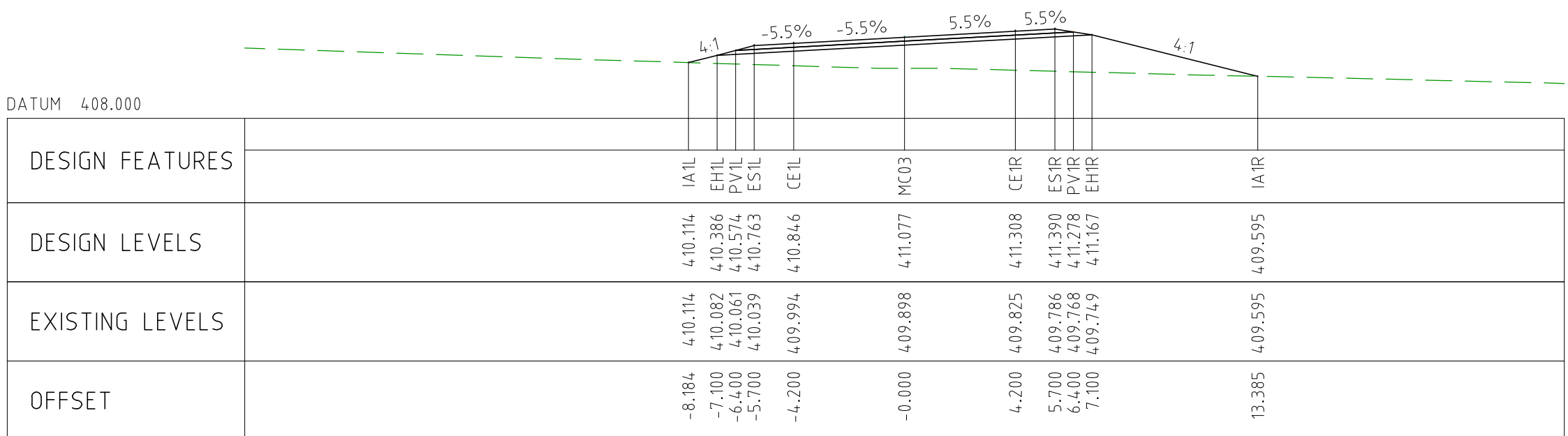
CHAINAGE 51450



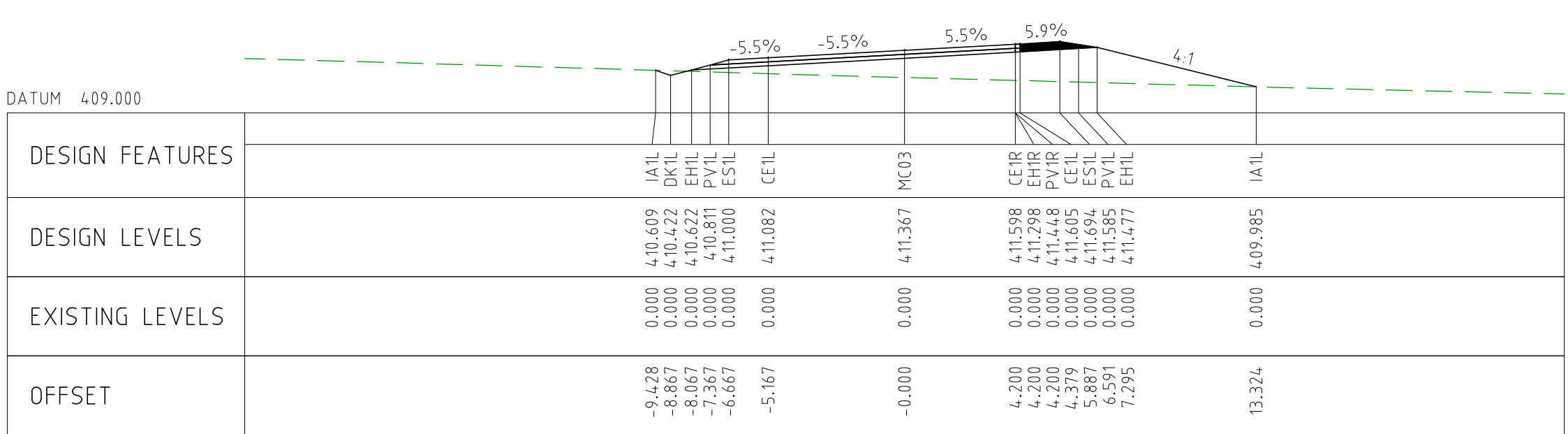
CHAINAGE 51400



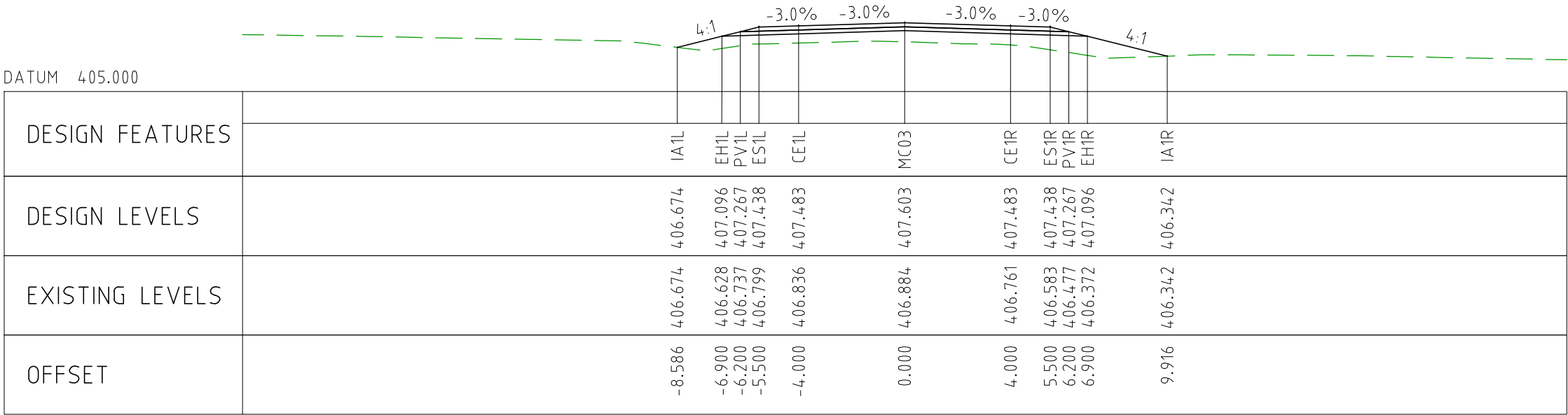
CHAINAGE 51350



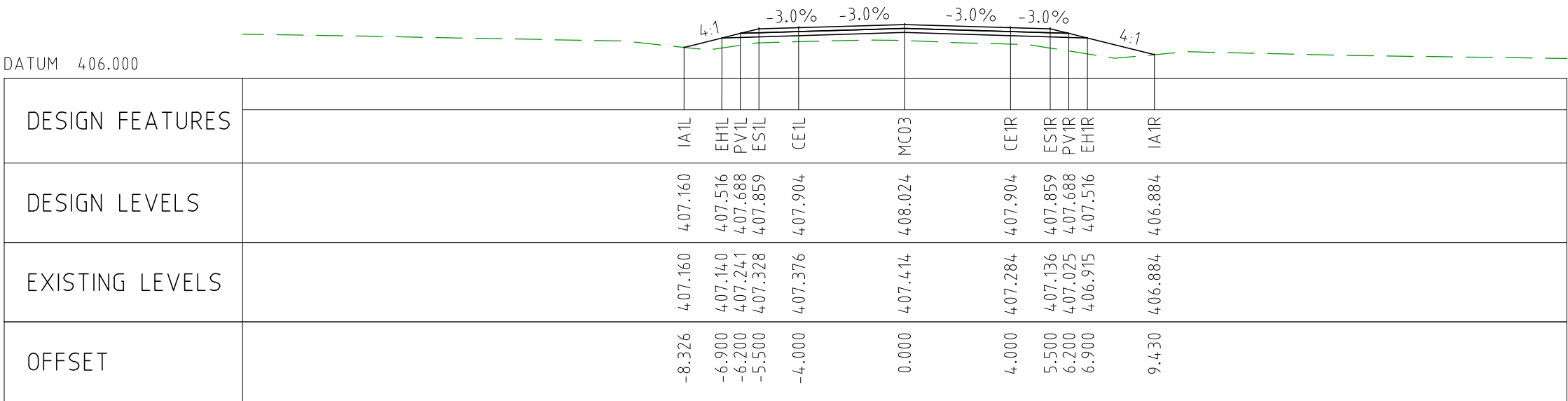
CHAINAGE 51300



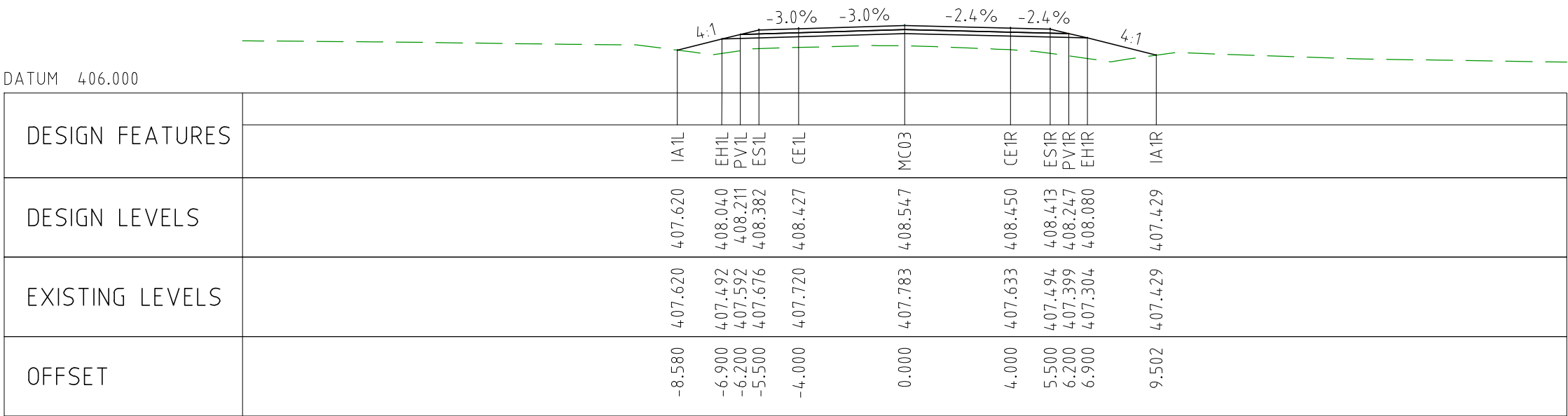
CHAINAGE 51250



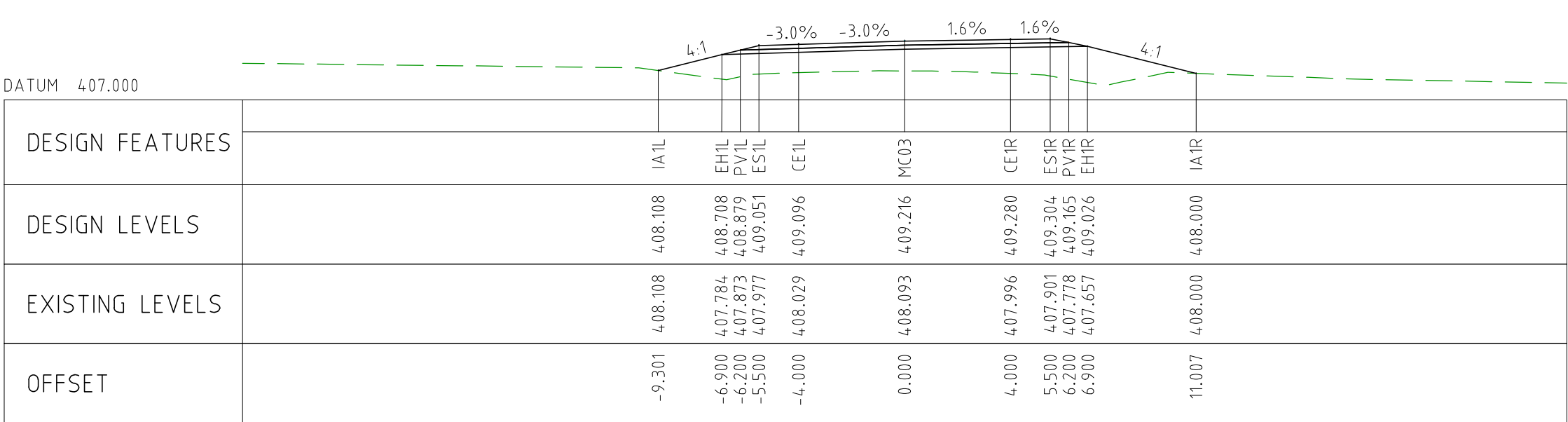
CHAINAGE 51700



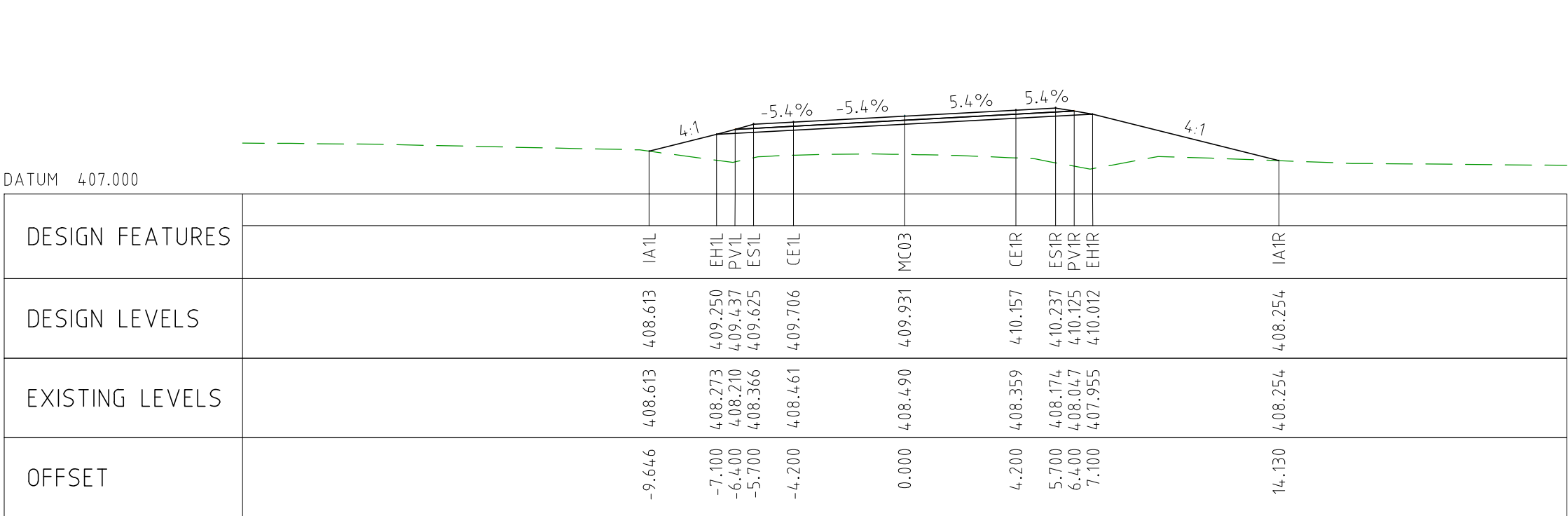
CHAINAGE 51650



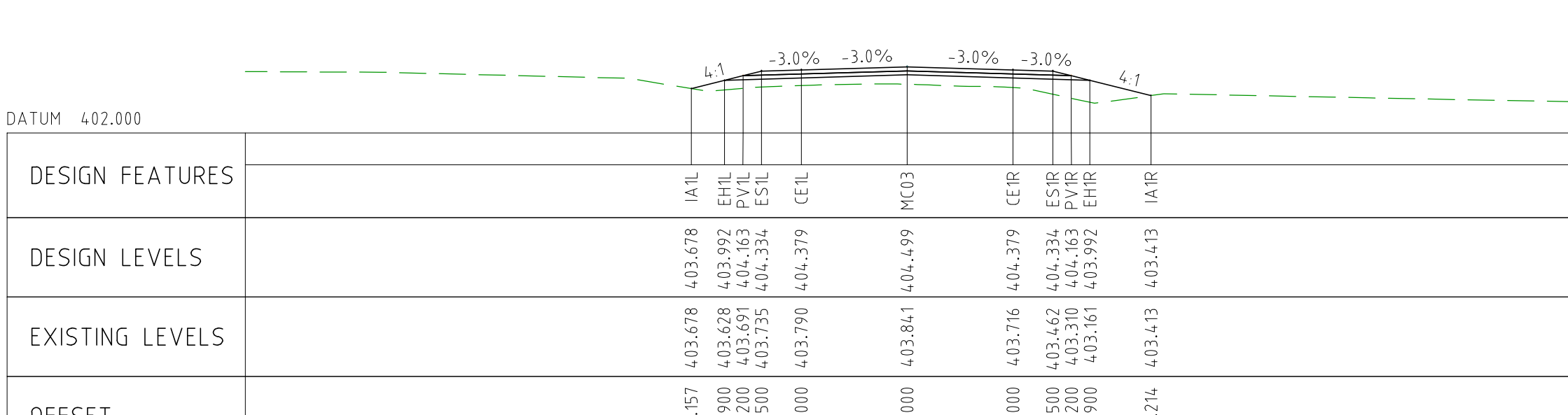
CHAINAGE 51600



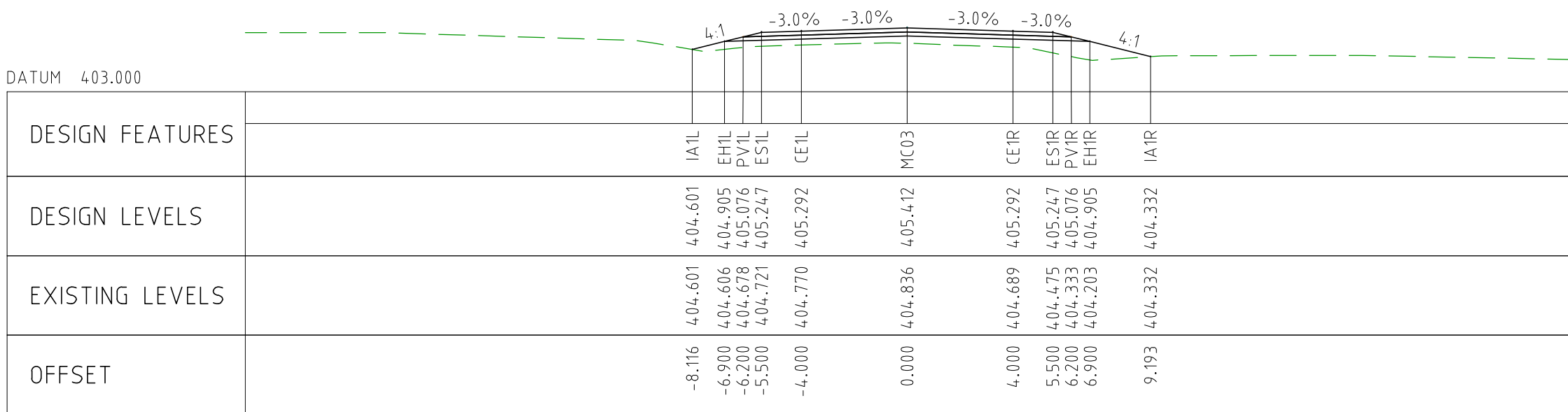
CHAINAGE 51550



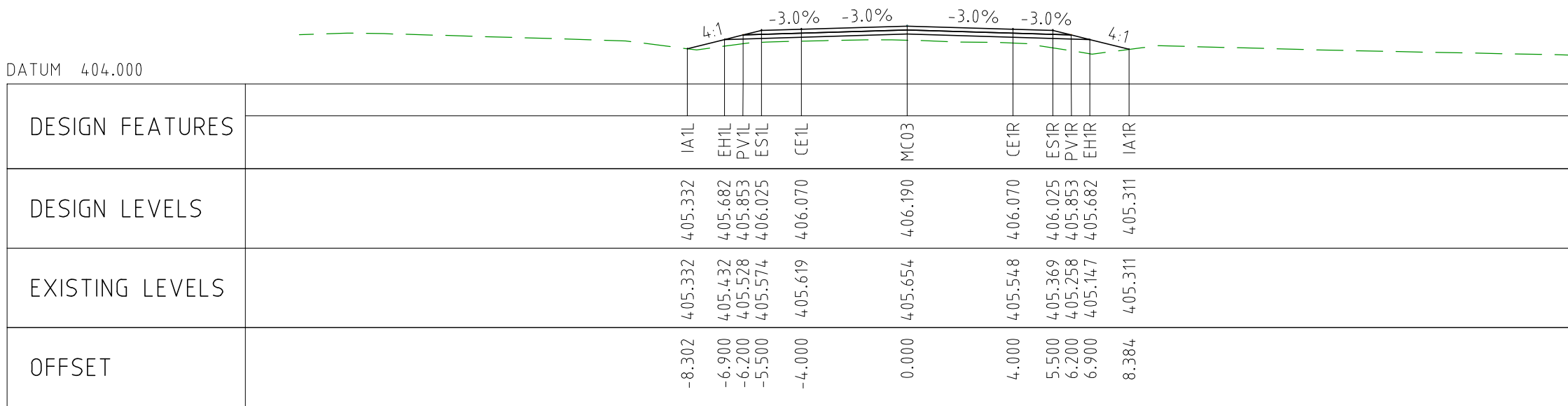
CHAINAGE 51500



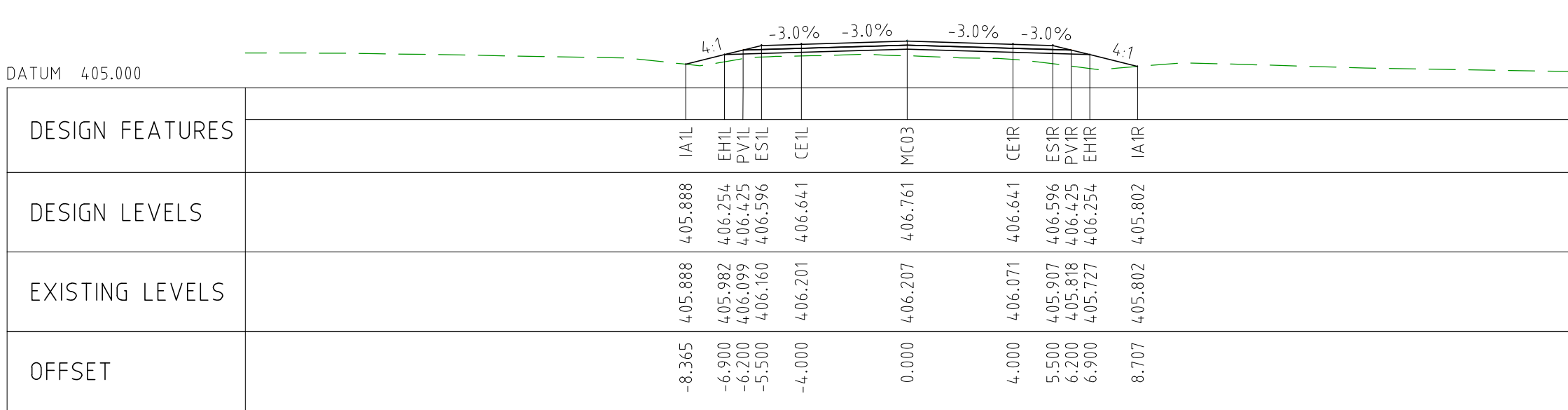
CHAINAGE 51950



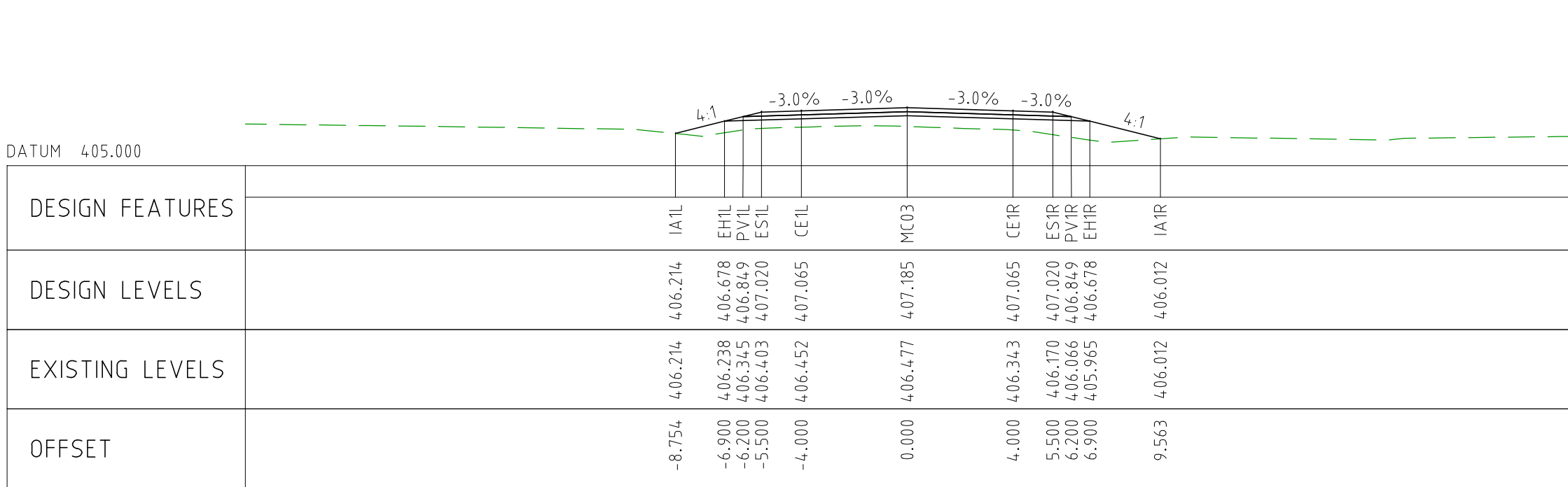
CHAINAGE 51900





CHAINAGE 51850

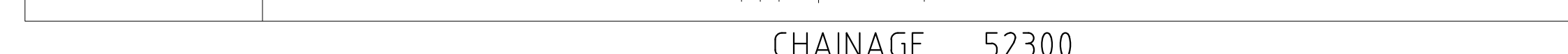
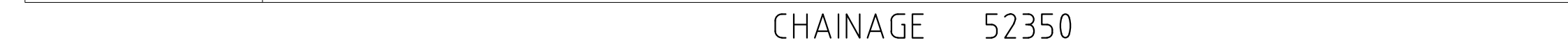
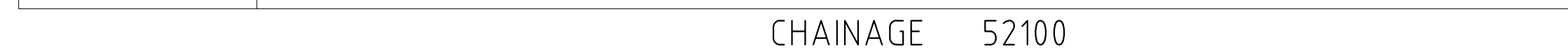
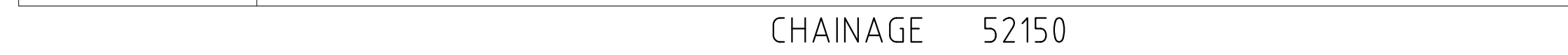



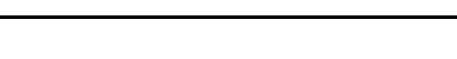

CHAINAGE 51800

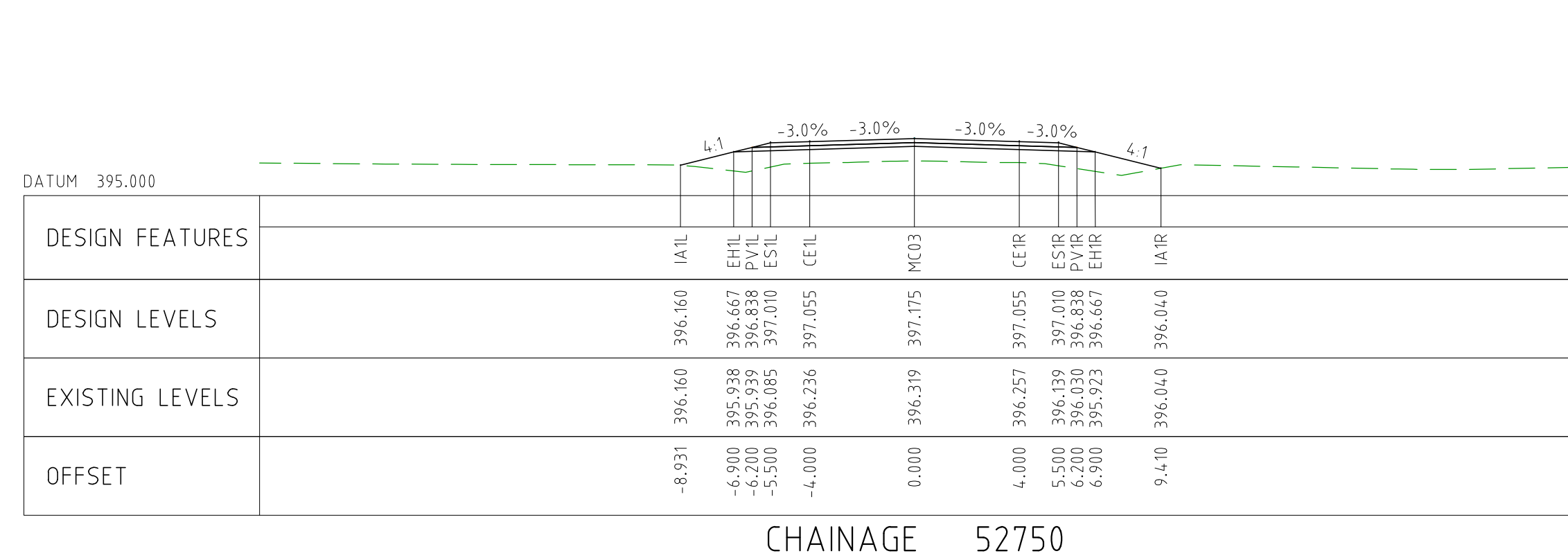
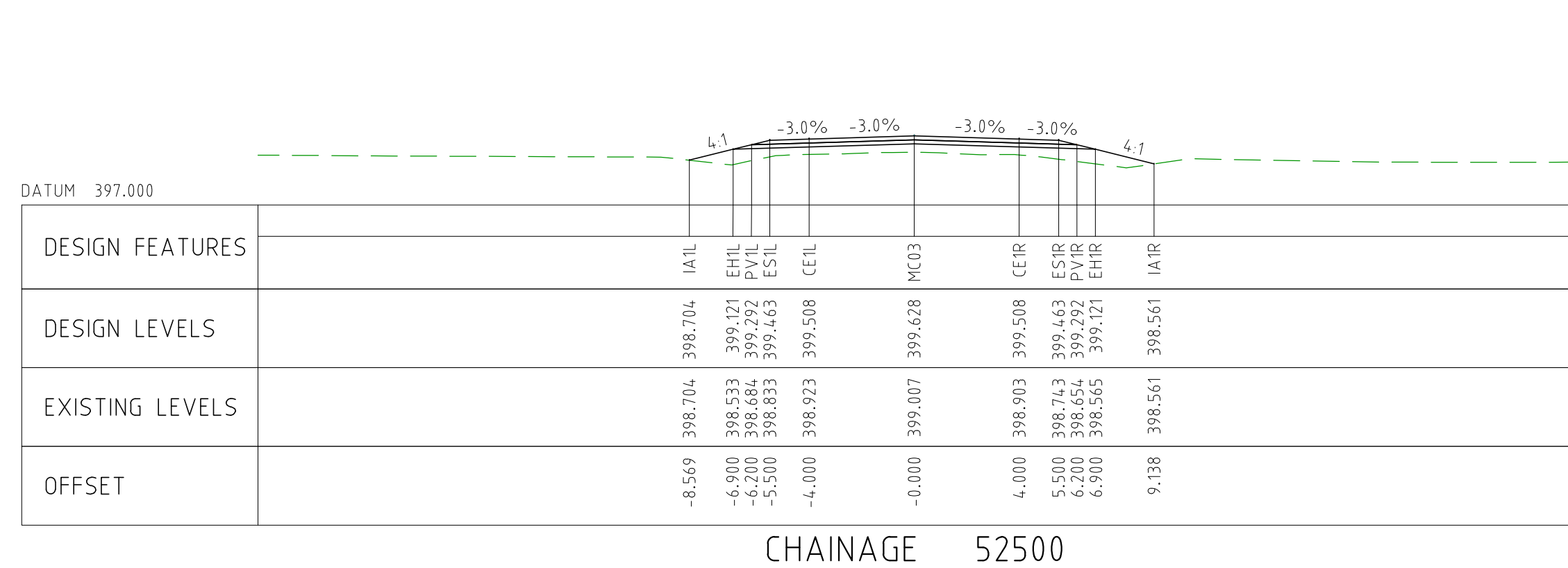



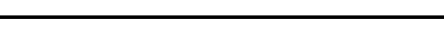

CHAINAGE 51750

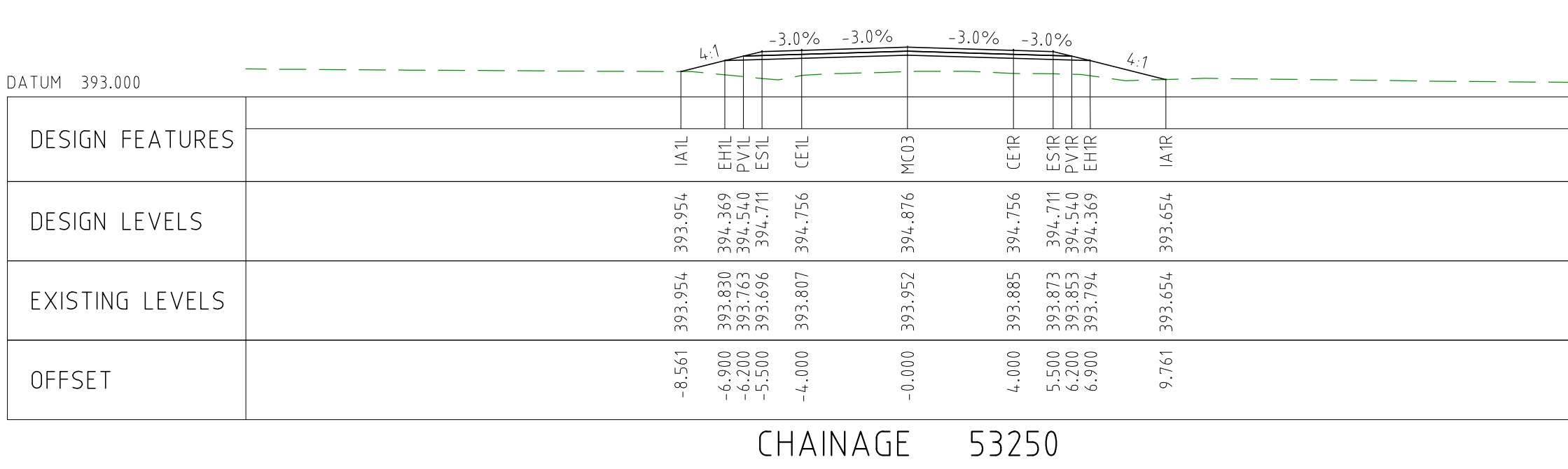
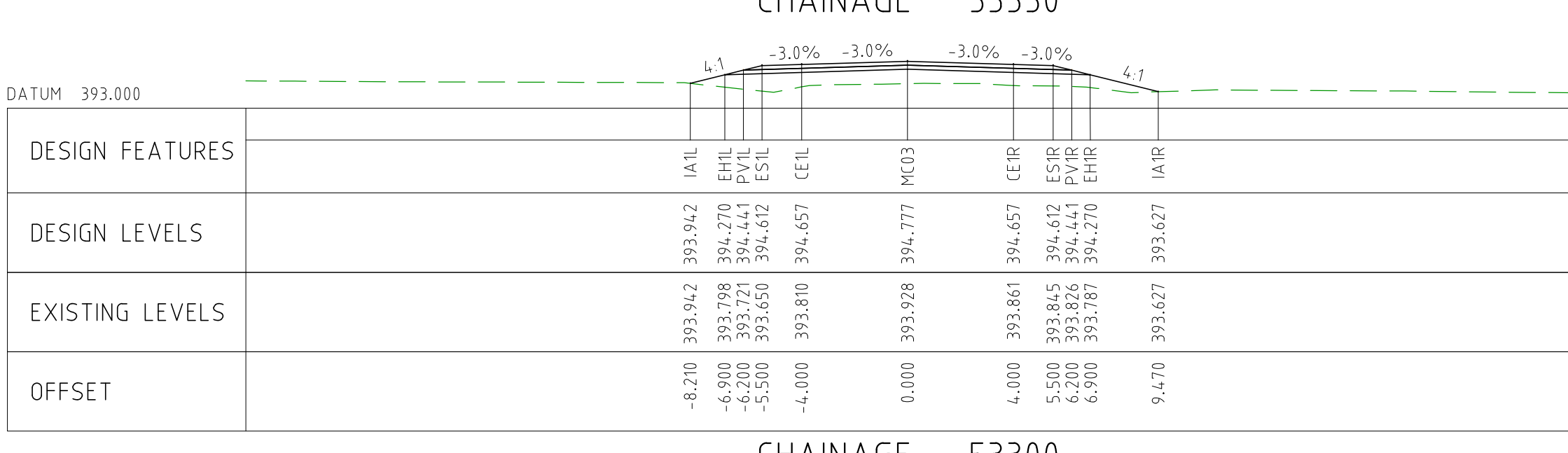
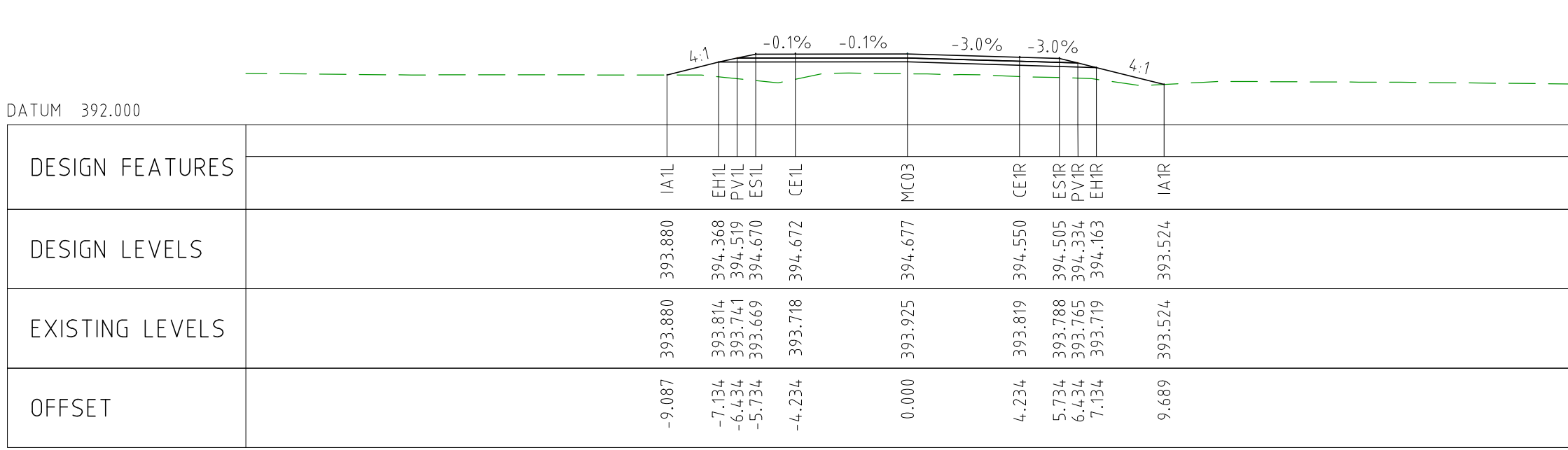
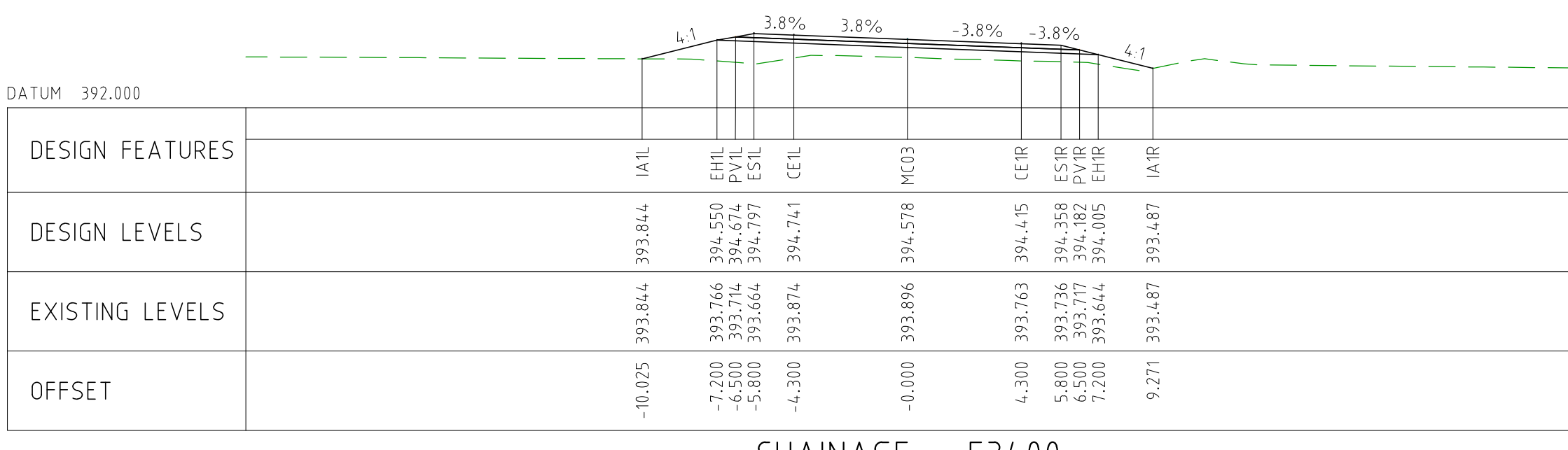
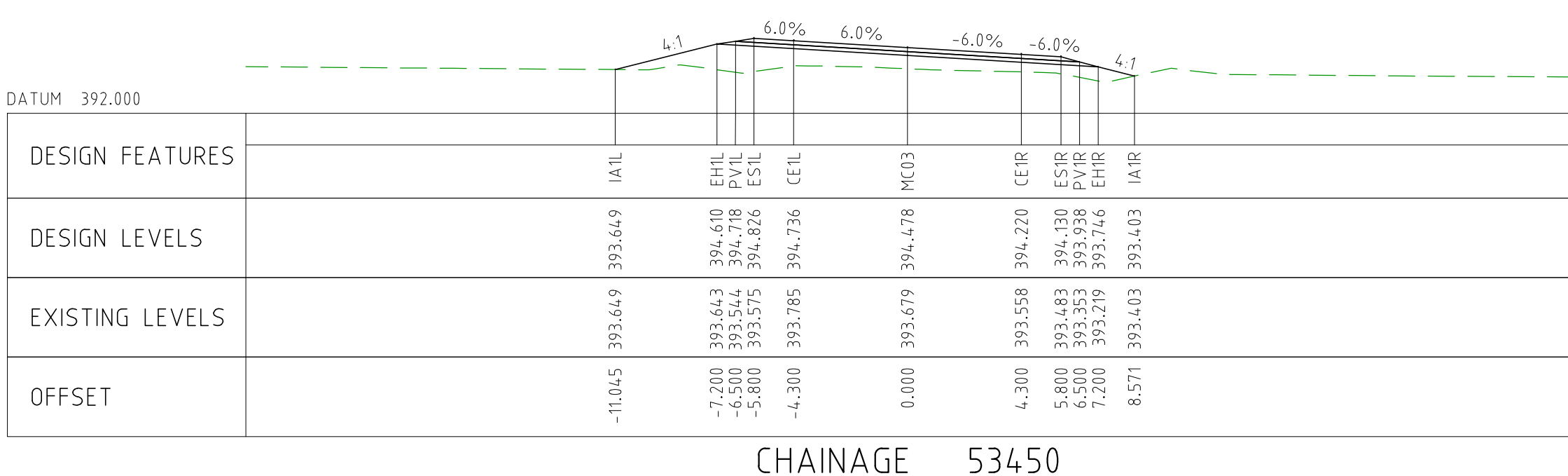
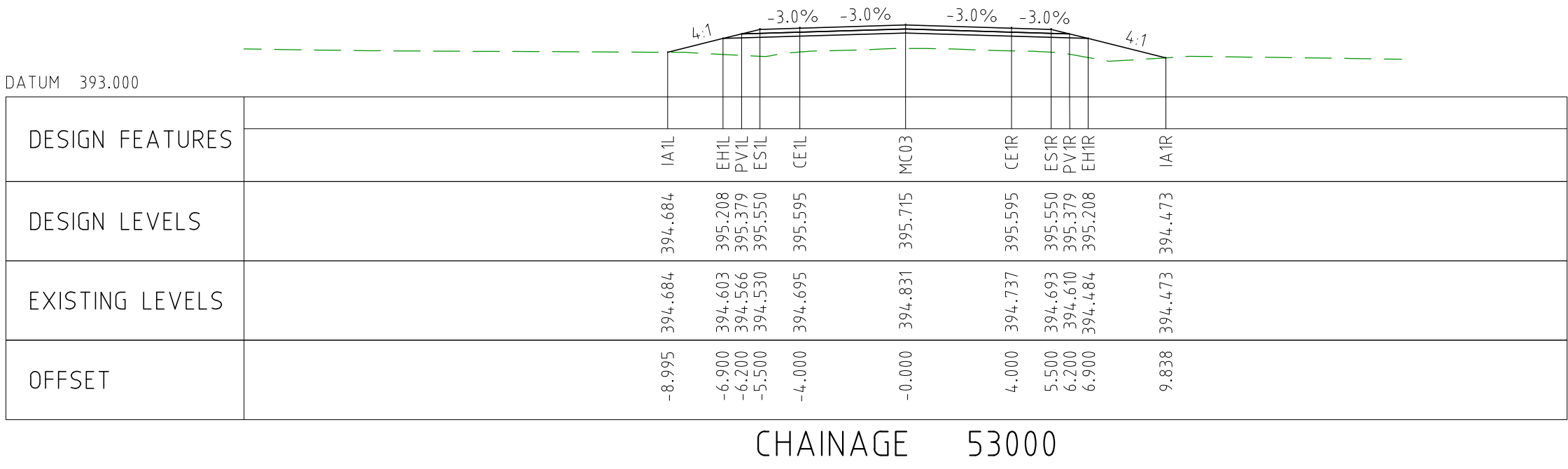
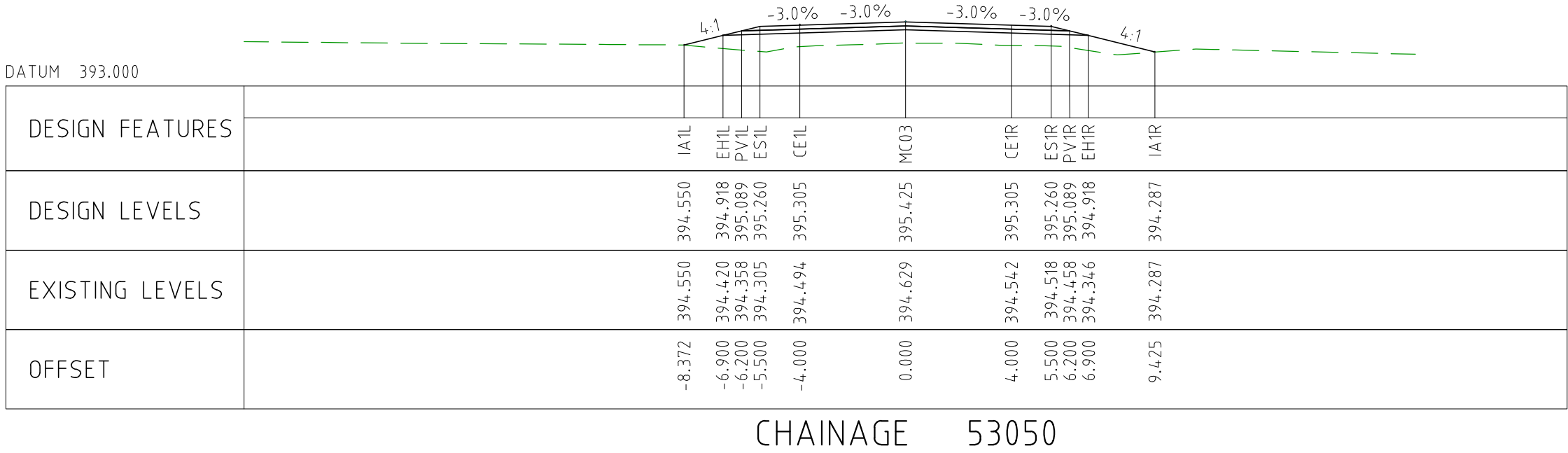
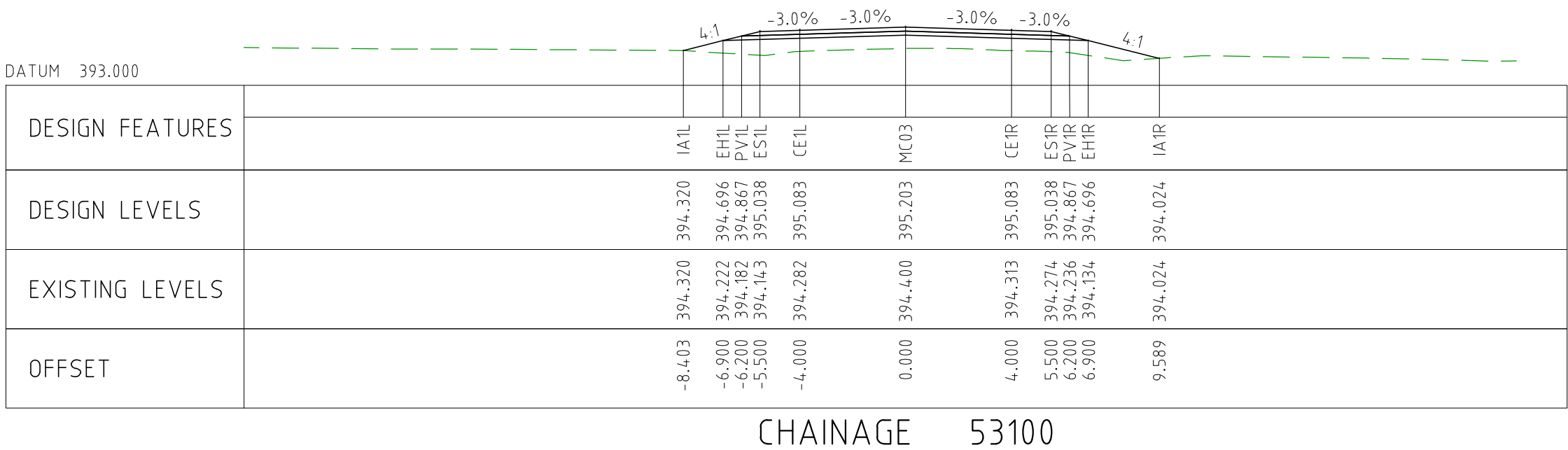
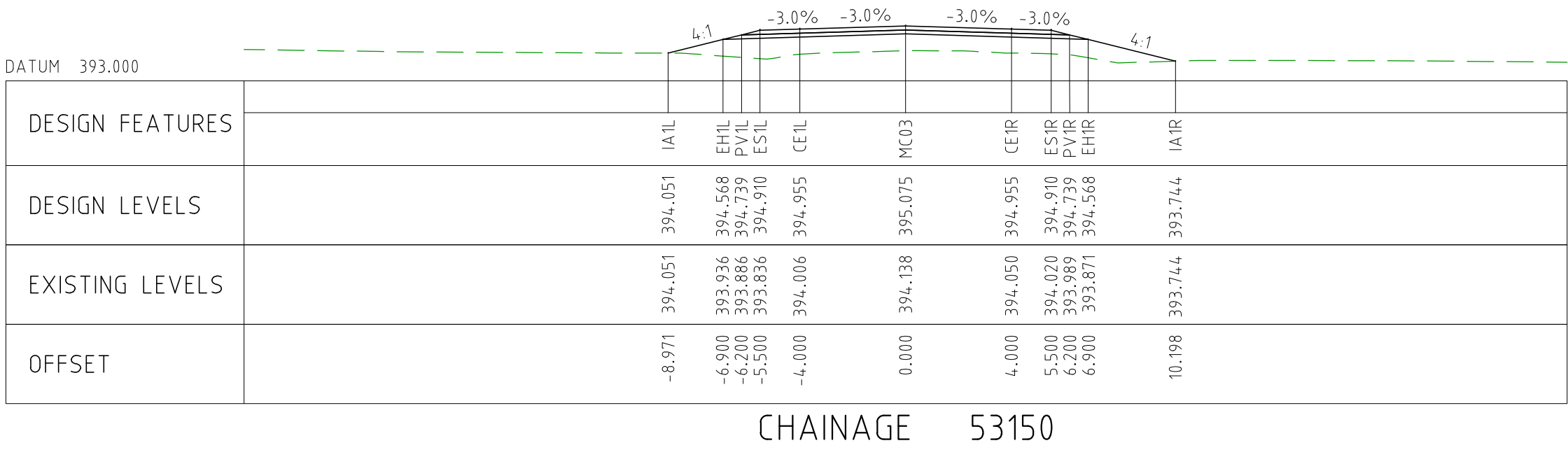
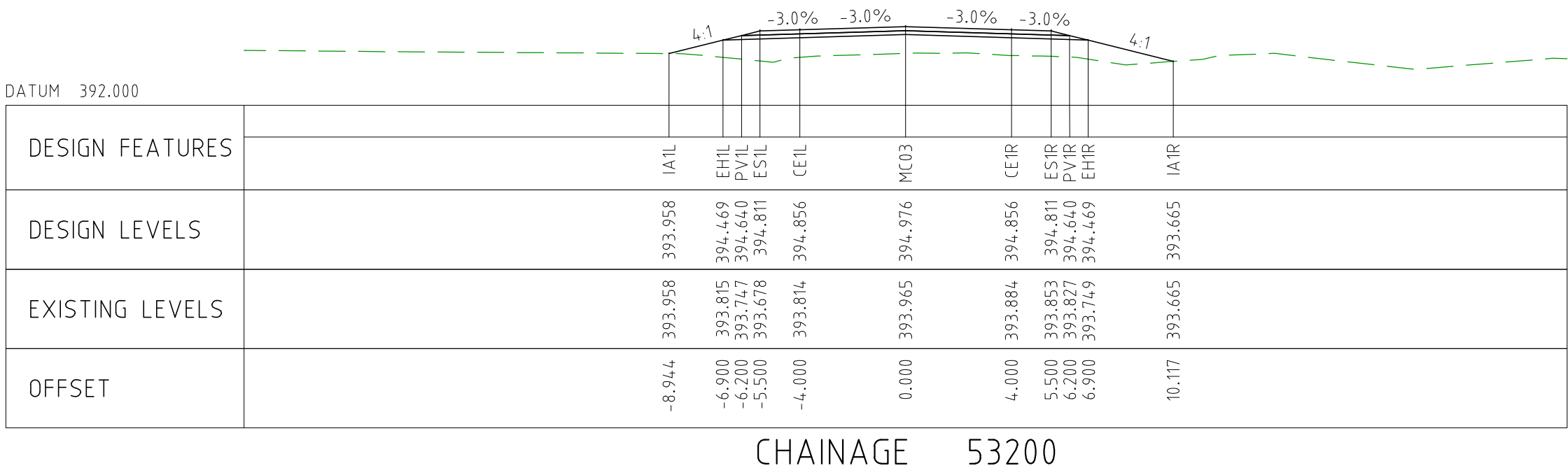
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS72.dwg				PLOT DATE 04 Nov 2022		TIME 16:04:51		CLIENT DOCUMENT No COV-M040-CI-DWG-0184											
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL	TITLE	NAME	DESIGNER		CLIENT		PROJECT TITLE			
				0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>20</div></div>	<div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>		<div></div>	MOUNT HOLLAND LITHIUM MINE				
									DRAFTING CHECK	TM									
									DESIGNER	DG									
									DESIGN CHECK	TM									
									PROJECT MANAGER	DM									
								PROJECT DIRECTOR	RJ										
												SMC PROJECT No 3006493				PROJECT / DRAWING No 3006493-XS72		REVISION 0	

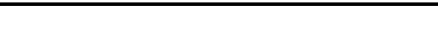



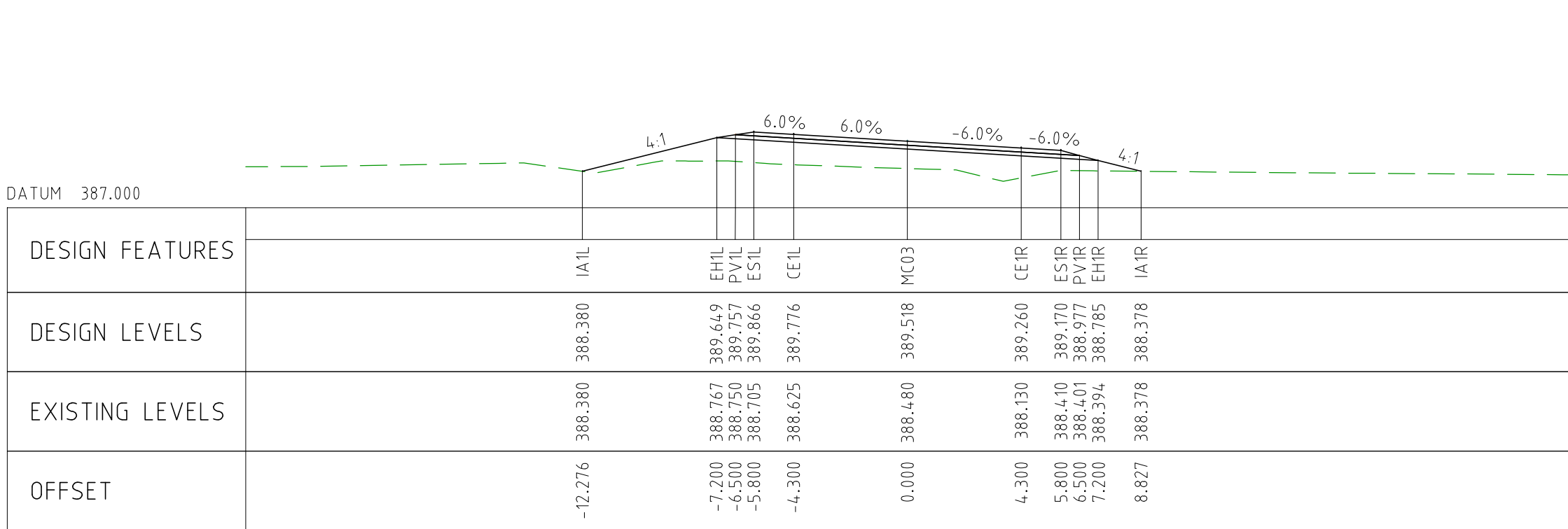
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS73.dwg					PLOT DATE 04 Nov 2022		TIME 16:05:17		CLIENT DOCUMENT No COV-M040-CI-DWG-0185					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 	DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493	CLIENT 	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 5 OF 26		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW						
		DRAFTING CHECK	TM											
		DESIGNER	DC											
		DESIGN CHECK	TM											
		PROJECT MANAGER	DM											
		PROJECT DIRECTOR	RI											
SCALE	PHASE	PROJECT / DRAWING No.	REVISION											
1:200	DETAILED	3006493-XS73	0											



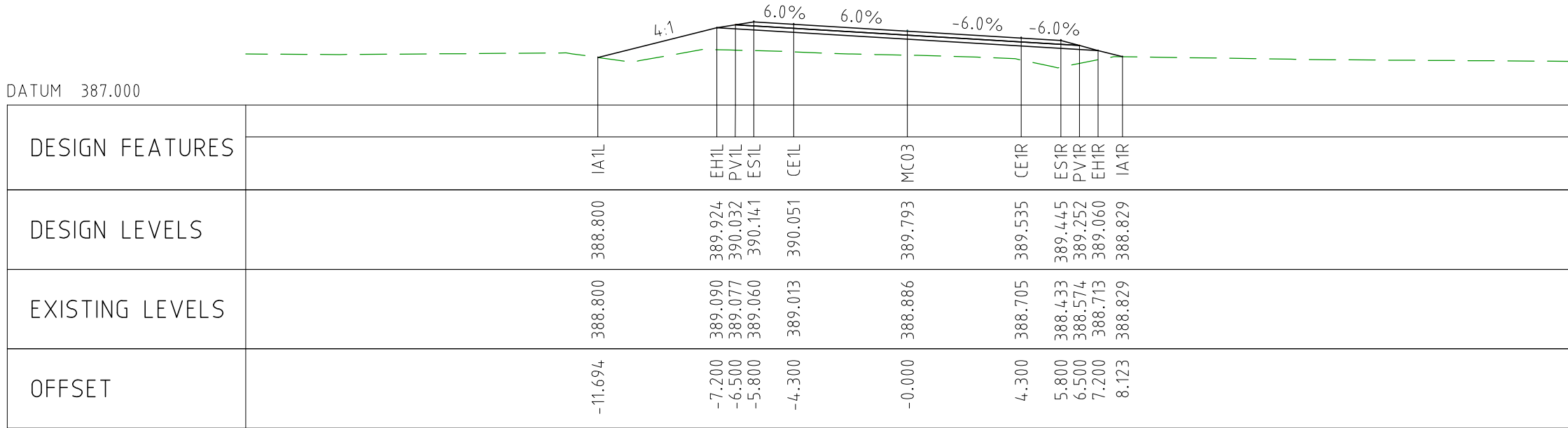
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS74.dwg					PLOT DATE 04 Nov 2022		TIME 16:05:43		CLIENT DOCUMENT No COV-M040-CI-DWG-0186																					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	<table><tr><td>TITLE</td><td>NAME</td></tr><tr><td>DRAFTER</td><td>JW</td></tr><tr><td>DRAFTING CHECK</td><td>FM</td></tr><tr><td>DESIGNER</td><td>DC</td></tr><tr><td>DESIGN CHECK</td><td>FM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>	TITLE	NAME	DRAFTER	JW	DRAFTING CHECK	FM	DESIGNER	DC	DESIGN CHECK	FM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 6 OF 26		
TITLE	NAME																													
DRAFTER	JW																													
DRAFTING CHECK	FM																													
DESIGNER	DC																													
DESIGN CHECK	FM																													
PROJECT MANAGER	DM																													
PROJECT DIRECTOR	RI																													
									SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS74	REVISION 0																		



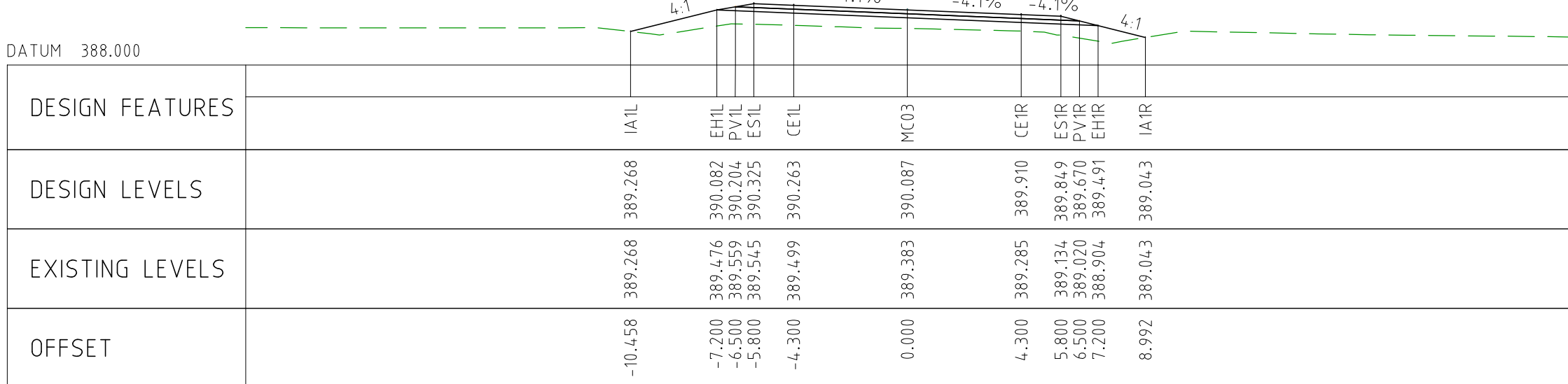
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS75.dwg					PLOT DATE 04 Nov 2022		TIME 16:06:08		CLIENT DOCUMENT No COV-M040-CI-DWG-0187															
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No	APPROVAL		TITLE	NAME	SCALES AT A1 SIZE DRAWING			DESIGNER		CLIENT		PROJECT TITLE		
					0	04.11.22	ISSUED FOR CONSTRUCTION			003	DM	DRAFTER	JW	<div>SCALE 1:200</div> <div><div></div><div>20</div></div>	<div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>		<div><div>covalent LITHIUM</div></div>	MOUNT HOLLAND LITHIUM MINE						
												DRAFTING CHECK	TM											
												DESIGNER	DG											
												DESIGN CHECK	TM											
												PROJECT MANAGER	DM											
											PROJECT DIRECTOR	RJ		SMC PROJECT No 3006493				PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 7 OF 26						
					SCALE 1:200		PHASE DETAILED			PROJECT / DRAWING No 3006493-XS75			REVISION 0											



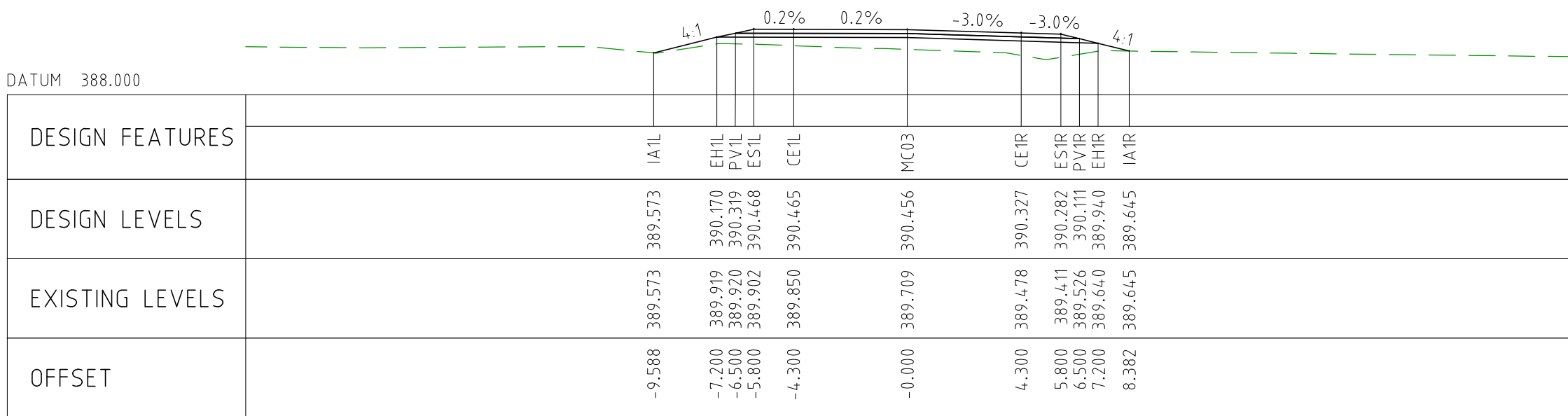
CHAINAGE 54200



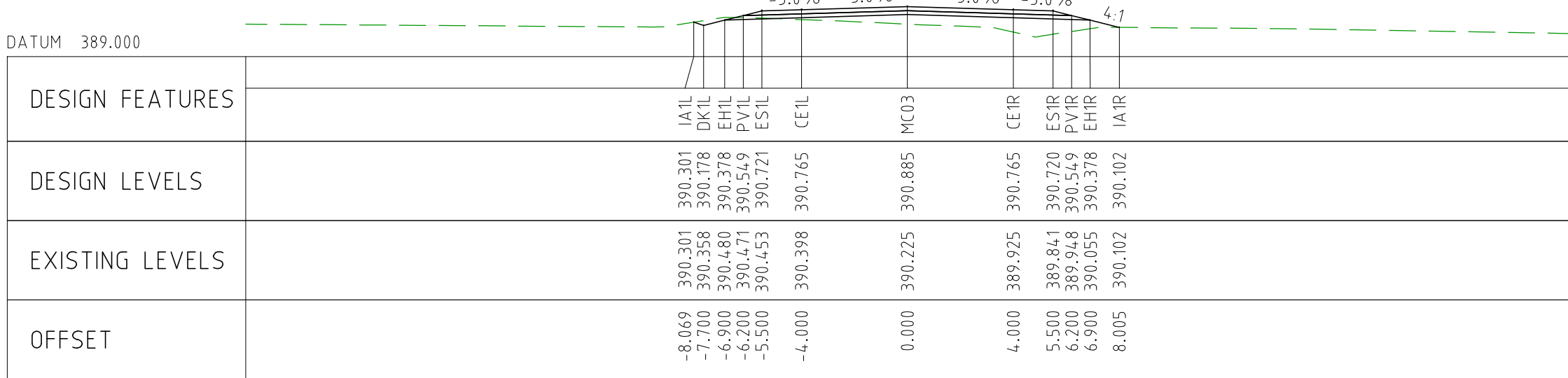
CHAINAGE 54150



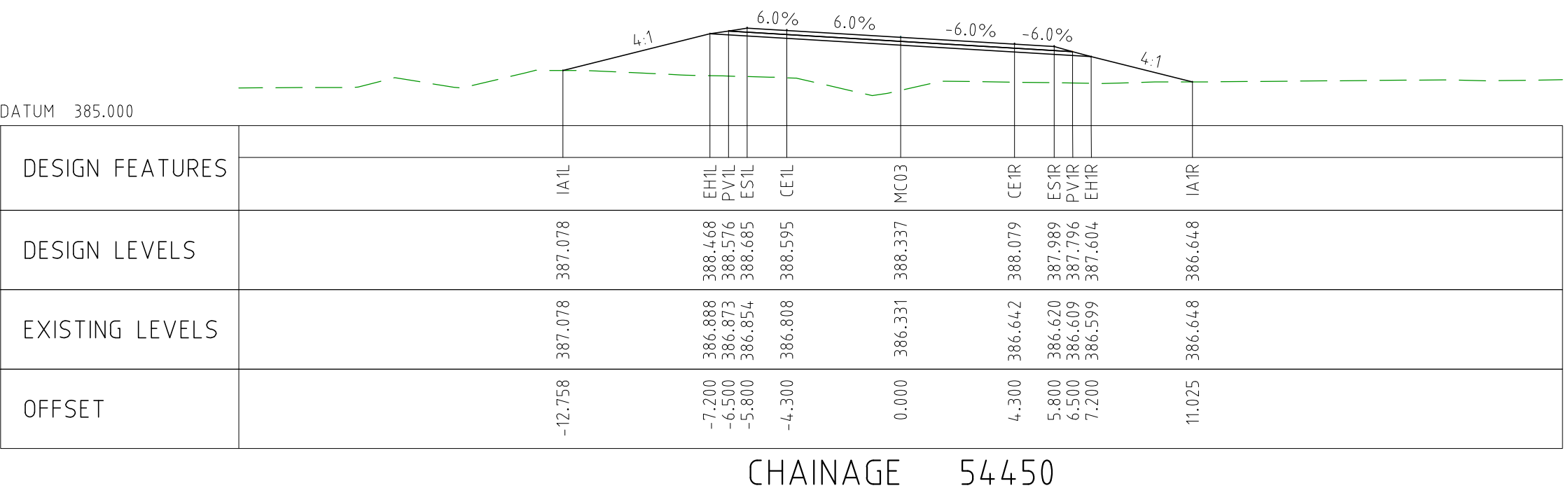
CHAINAGE 54100



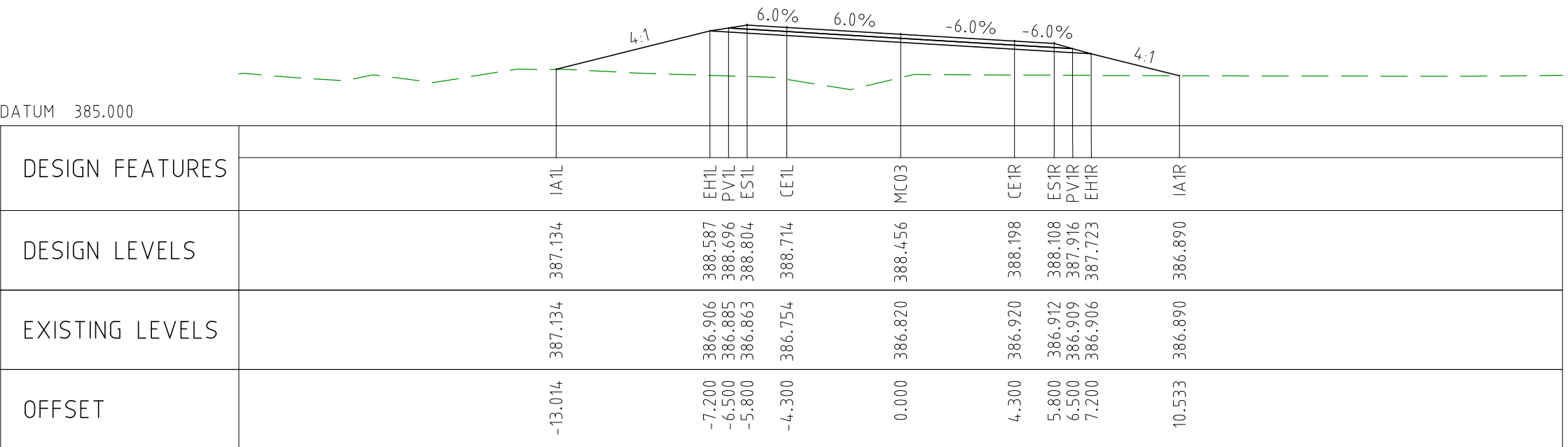
CHAINAGE 54050



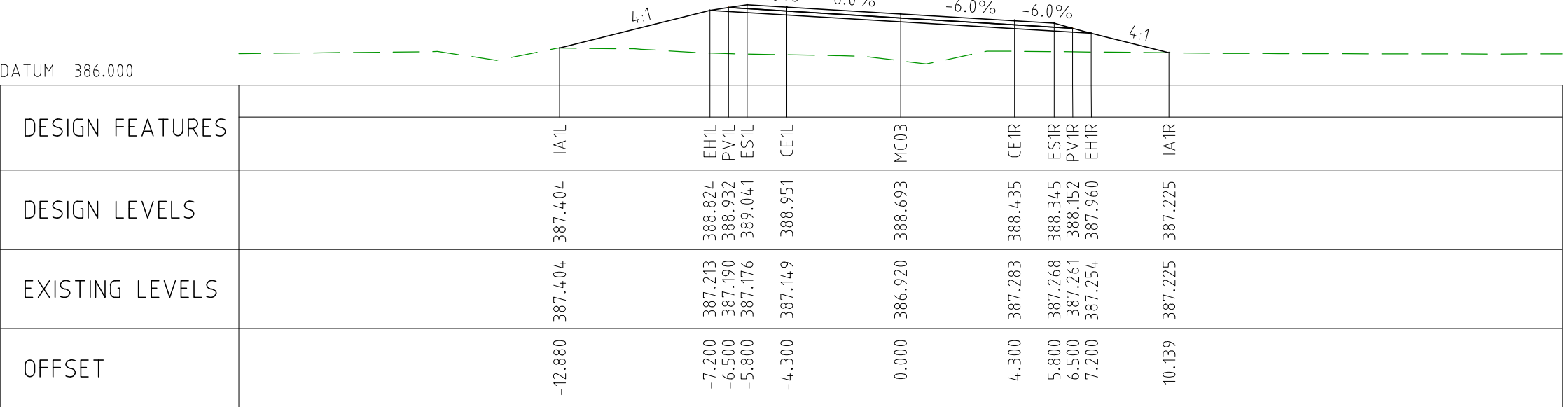
CHAINAGE 54000



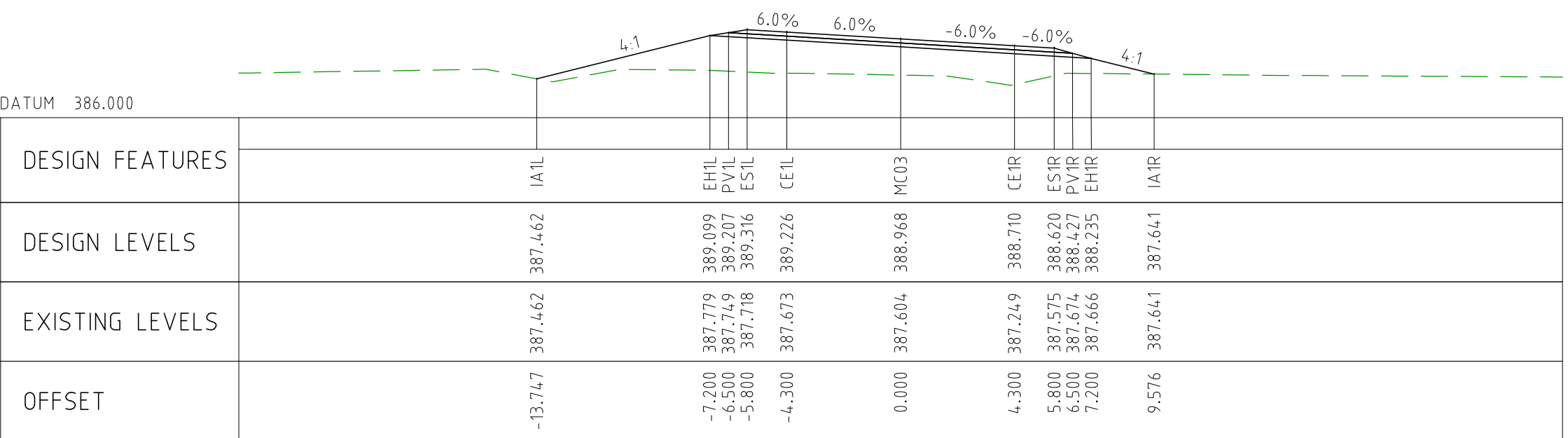
CHAINAGE 54450



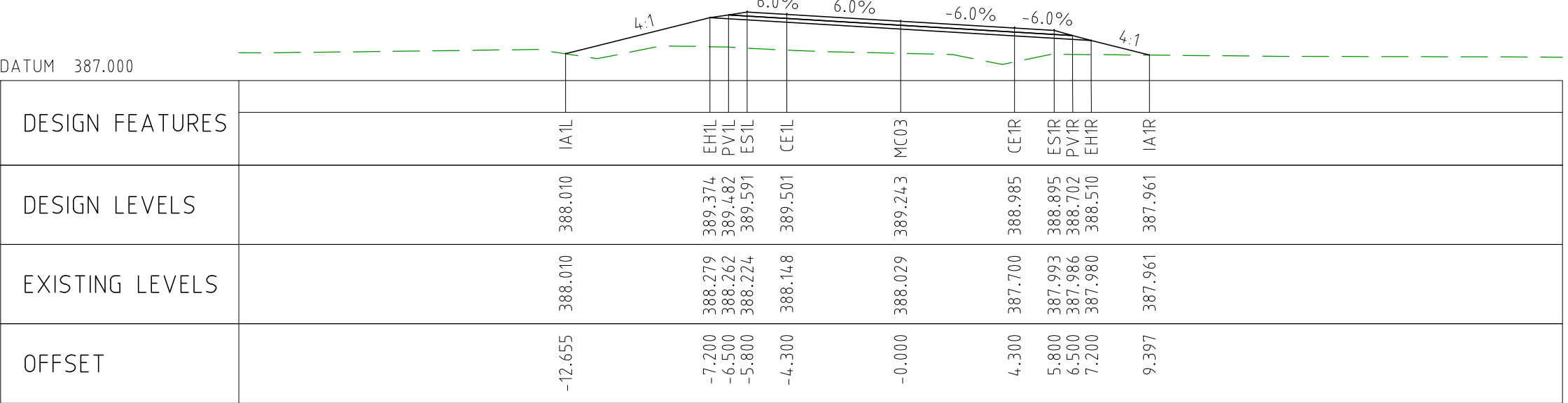
CHAINAGE 54400



CHAINAGE 54350

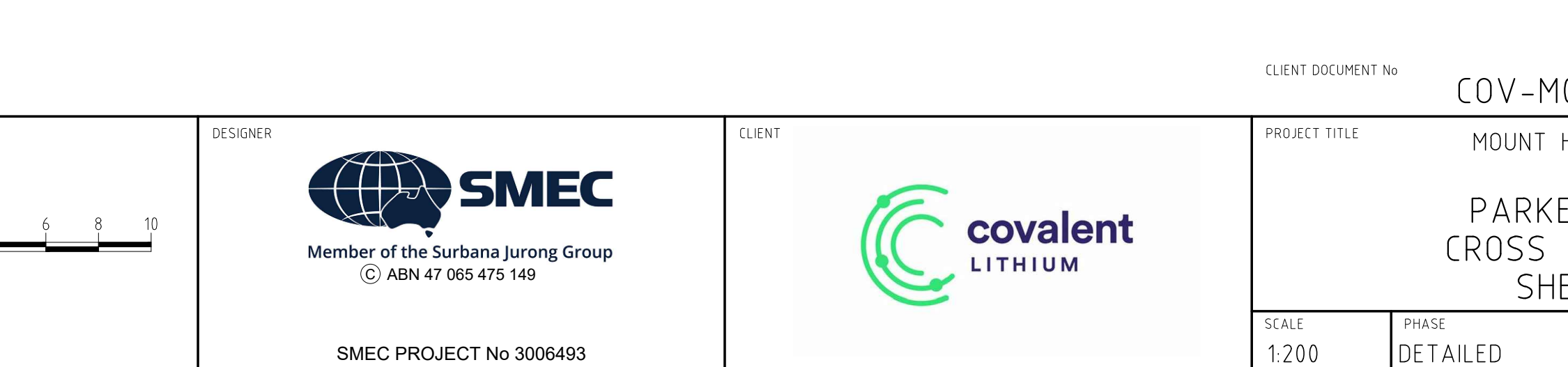
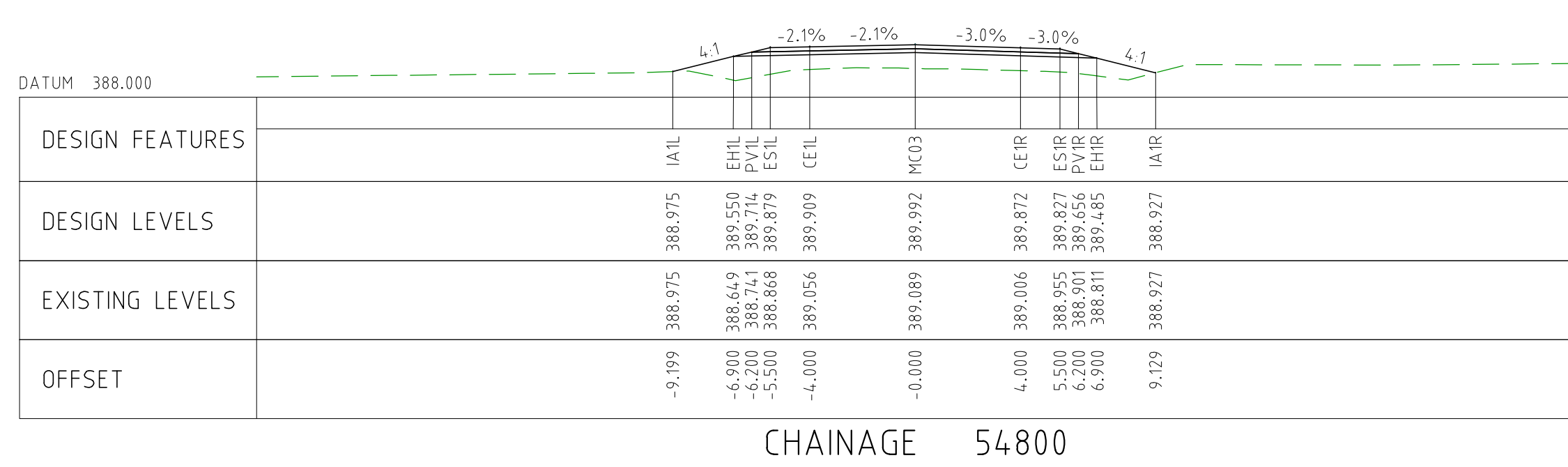
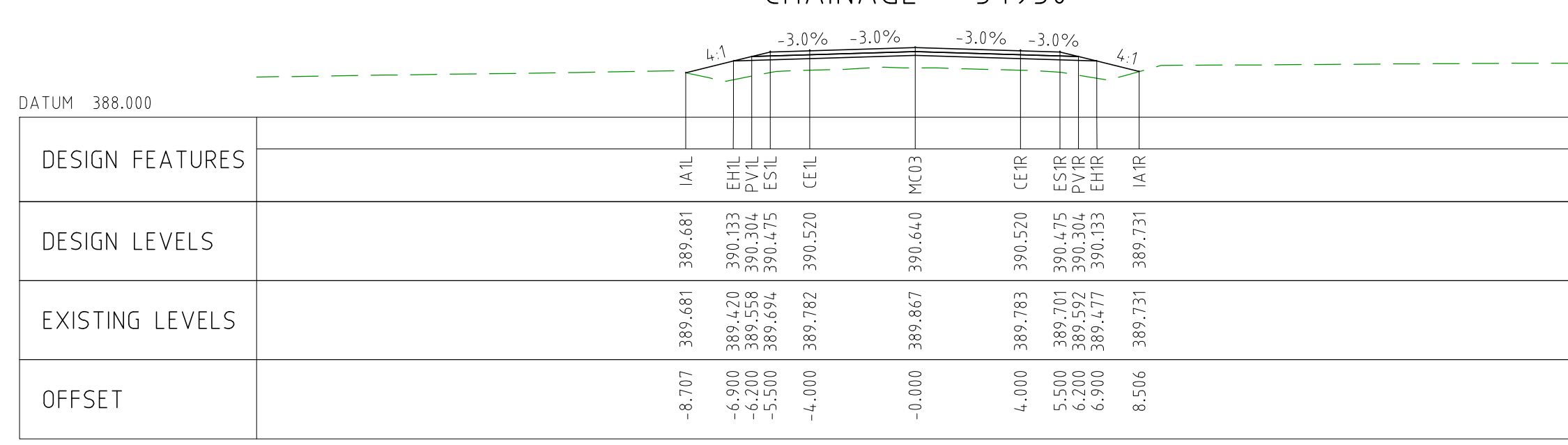
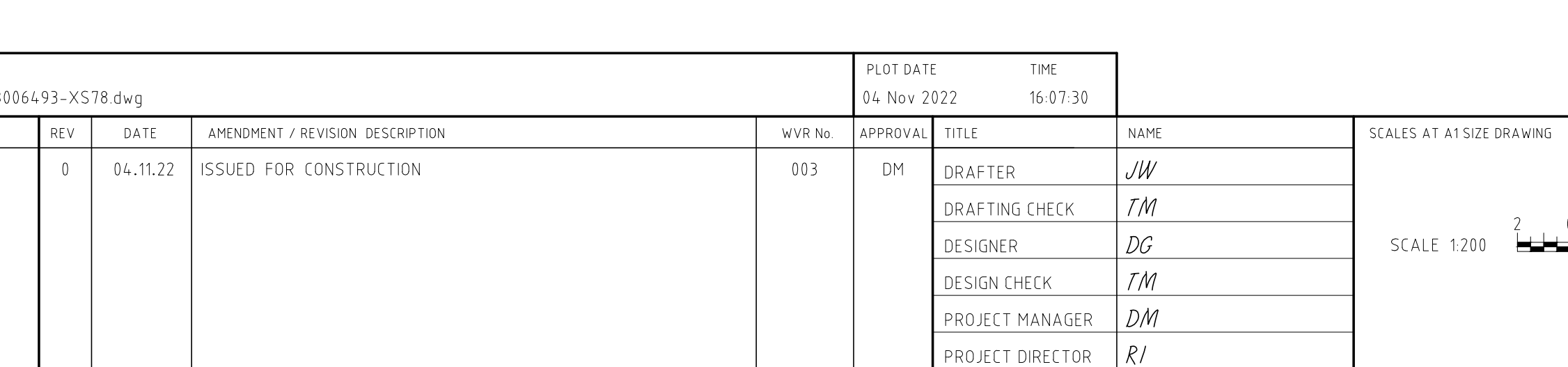
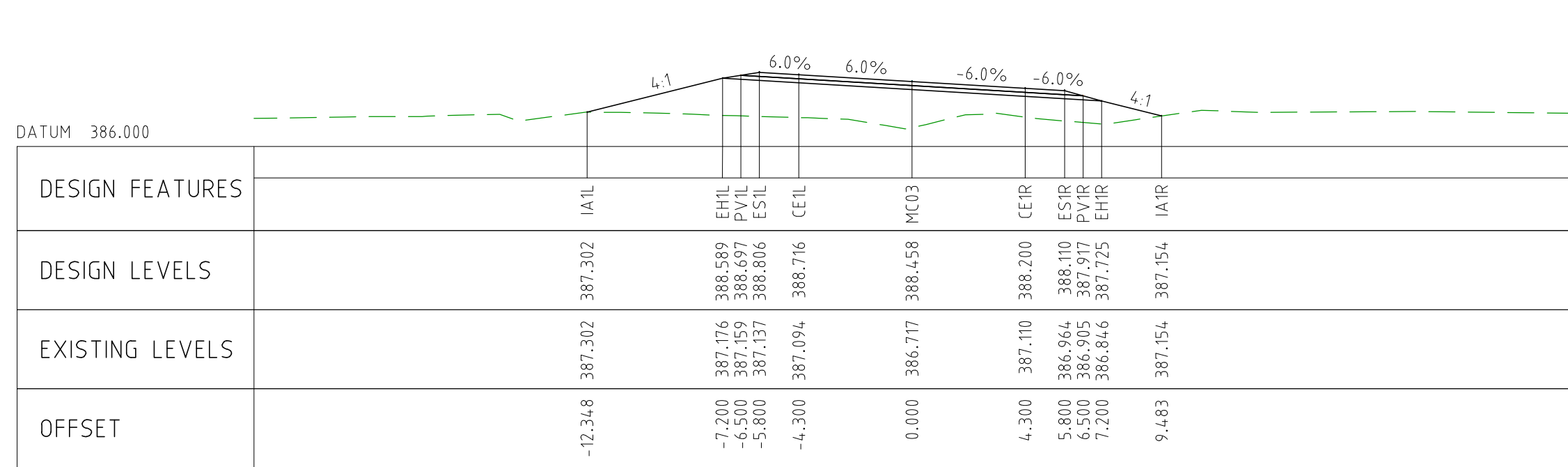
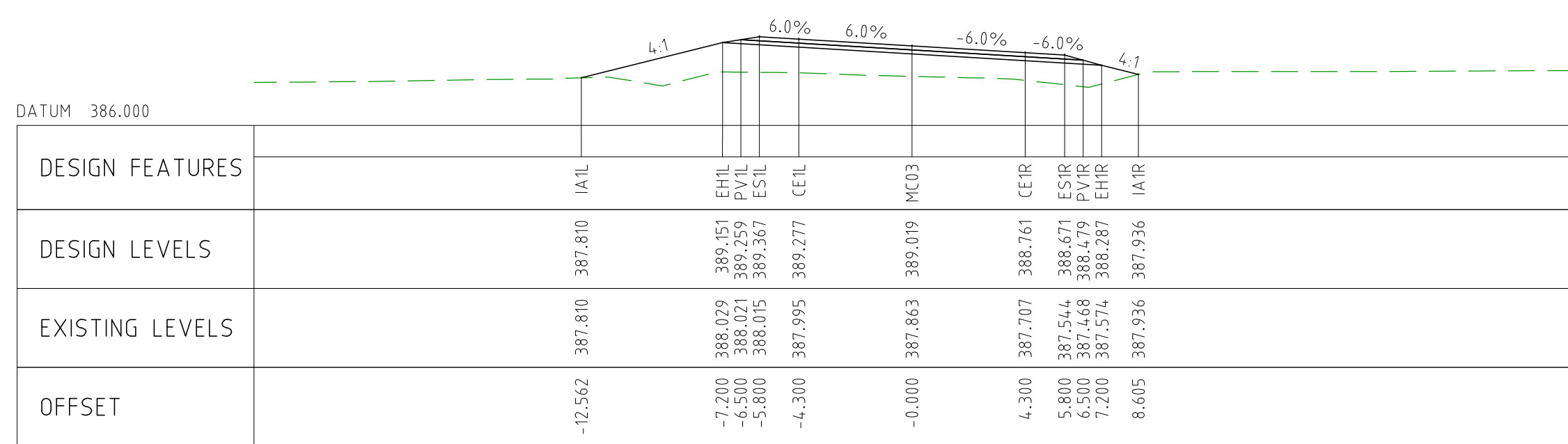



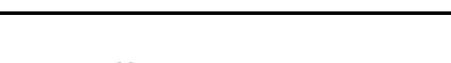

CHAINAGE 54300




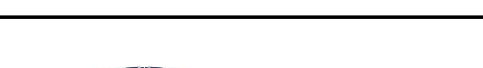

CHAINAGE 54250

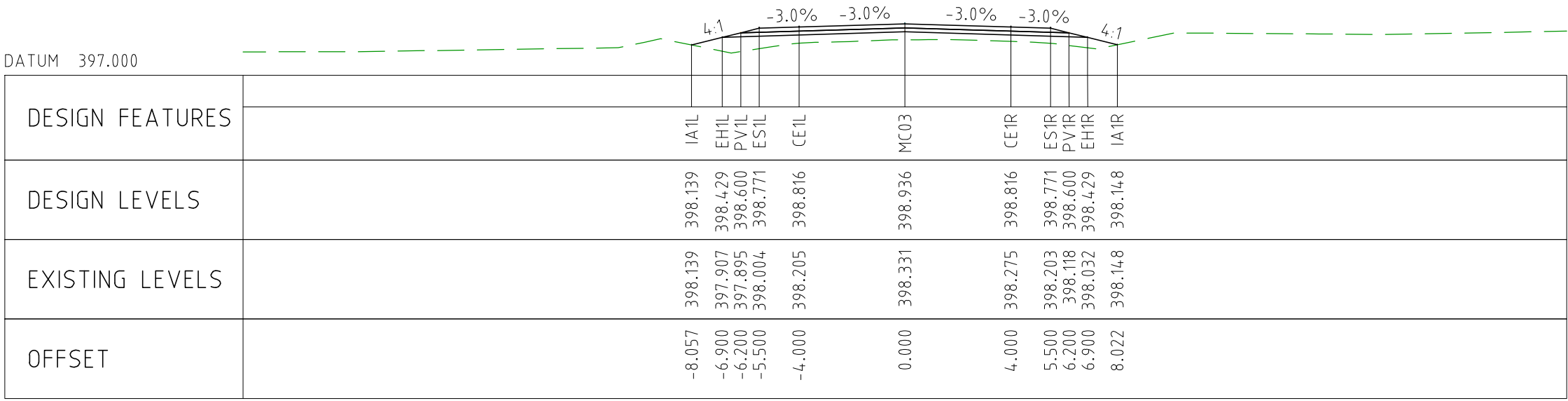
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS77.dwg				PLOT DATE 04 Nov 2022		TIME 16:07:04		CLIENT DOCUMENT No COV-M040-CI-DWG-0189										
EXTERNAL REFERENCE FILES				REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:200</div> <div></div>		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMC PROJECT No 3006493	CLIENT <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 9 OF 26		
												SCALE 1:200		PHASE DETAILED	PROJECT / DRAWING No 3006493-XS77	REVISION 0		



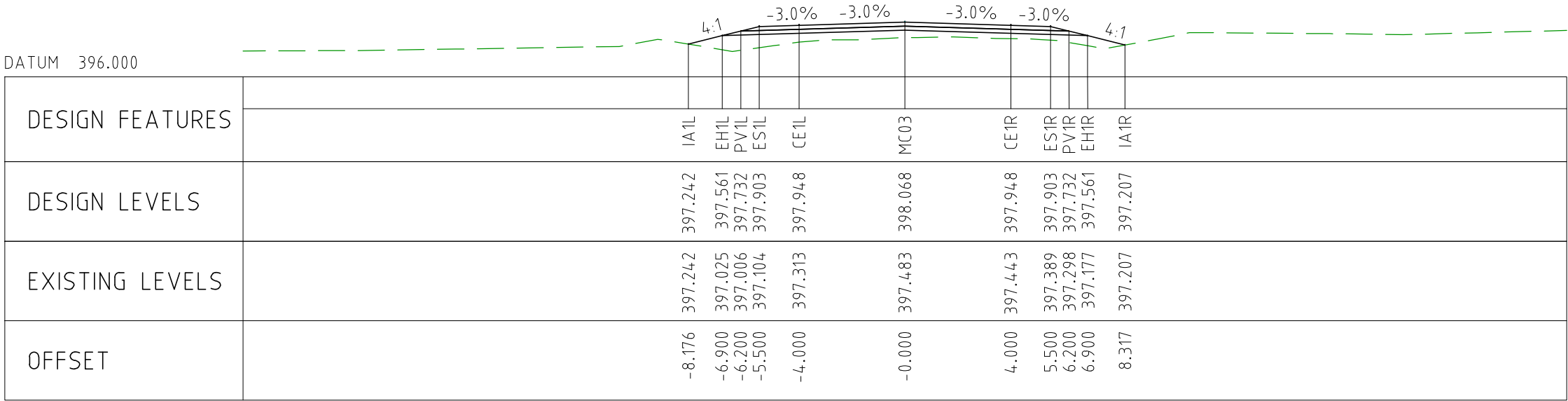
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS78.dwg				PLOT DATE 04 Nov 2022		TIME 16:07:30		CLIENT DOCUMENT NO COV-M040-CI-DWG-0190													
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 10 OF 26						
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW													
							DRAFTING CHECK	TM													
							DESIGNER	DG													
							DESIGN CHECK	TM													
							PROJECT MANAGER	DM													
							PROJECT DIRECTOR	RI													
		SCALE 1:200												SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS78		REVISION 0	



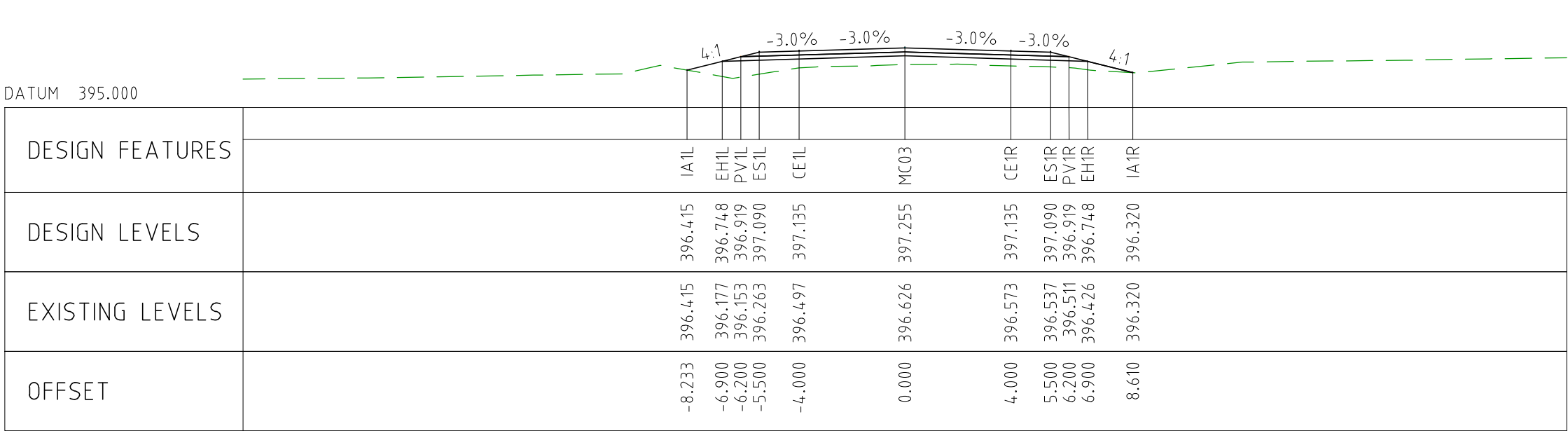
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS79.dwg					PLOT DATE 04 Nov 2022		TIME 16:08:01		CLIENT DOCUMENT No COV-M040-CI-DWG-0191																					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No. 003	APPROVAL DM	<table><tr><td>TITLE</td><td>NAME</td></tr><tr><td>DRAFTER</td><td>JW</td></tr><tr><td>DRAFTING CHECK</td><td>TM</td></tr><tr><td>DESIGNER</td><td>DG</td></tr><tr><td>DESIGN CHECK</td><td>TM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>	TITLE	NAME	DRAFTER	JW	DRAFTING CHECK	TM	DESIGNER	DG	DESIGN CHECK	TM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 11 OF 26		
TITLE	NAME																													
DRAFTER	JW																													
DRAFTING CHECK	TM																													
DESIGNER	DG																													
DESIGN CHECK	TM																													
PROJECT MANAGER	DM																													
PROJECT DIRECTOR	RI																													
										SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No. 3006493-XS79	REVISION 0																	



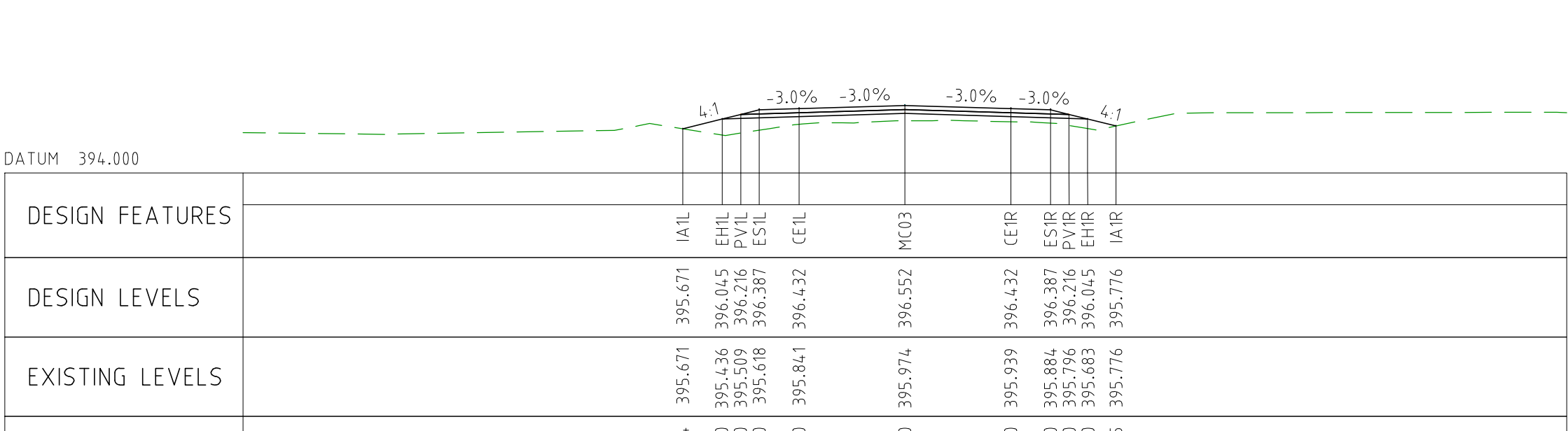
CHAINAGE 55700



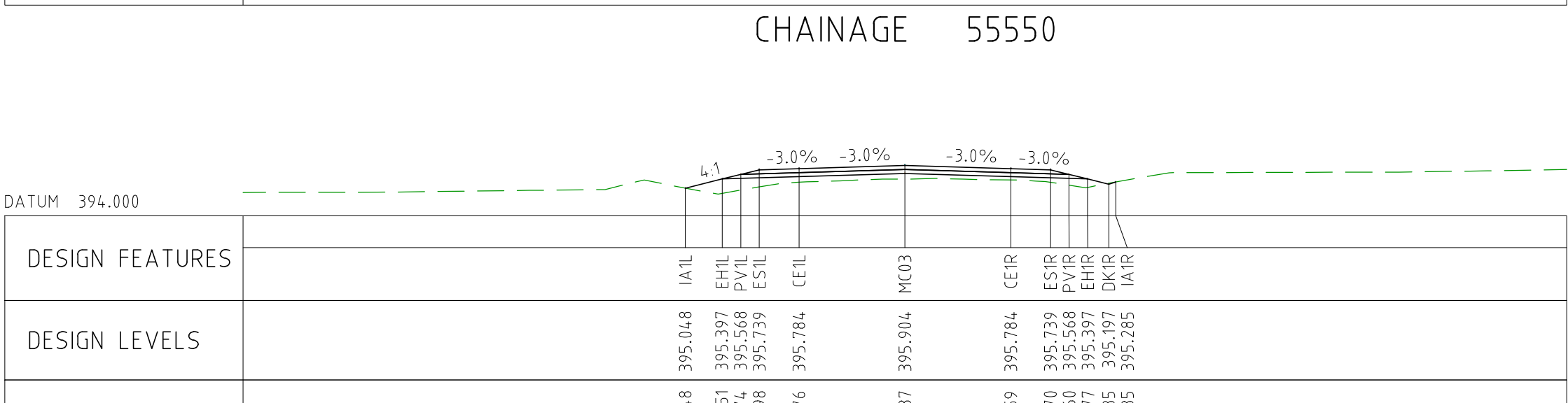
CHAINAGE 55650



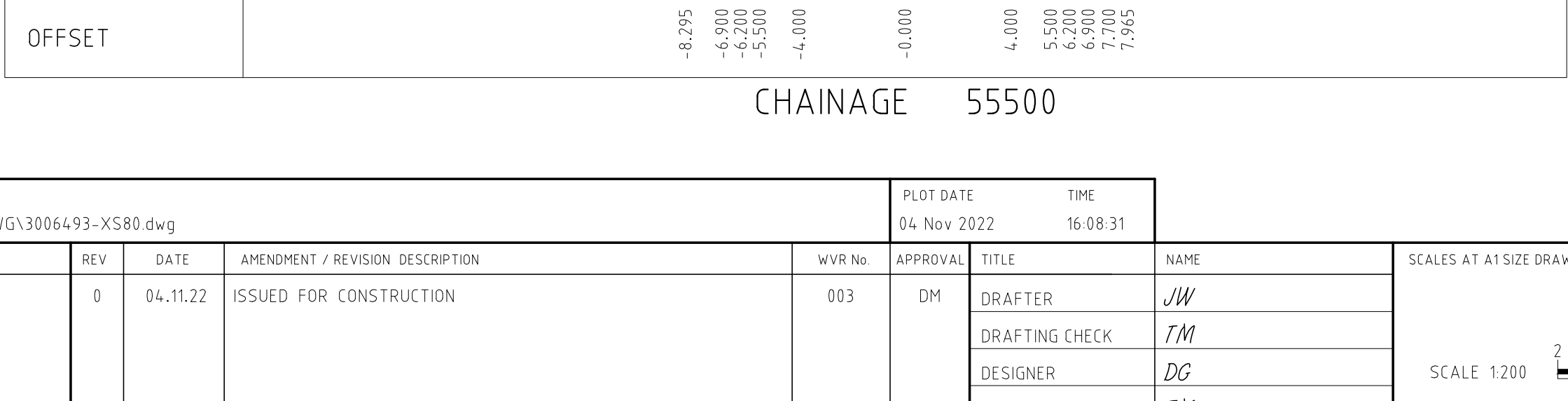
CHAINAGE 55600



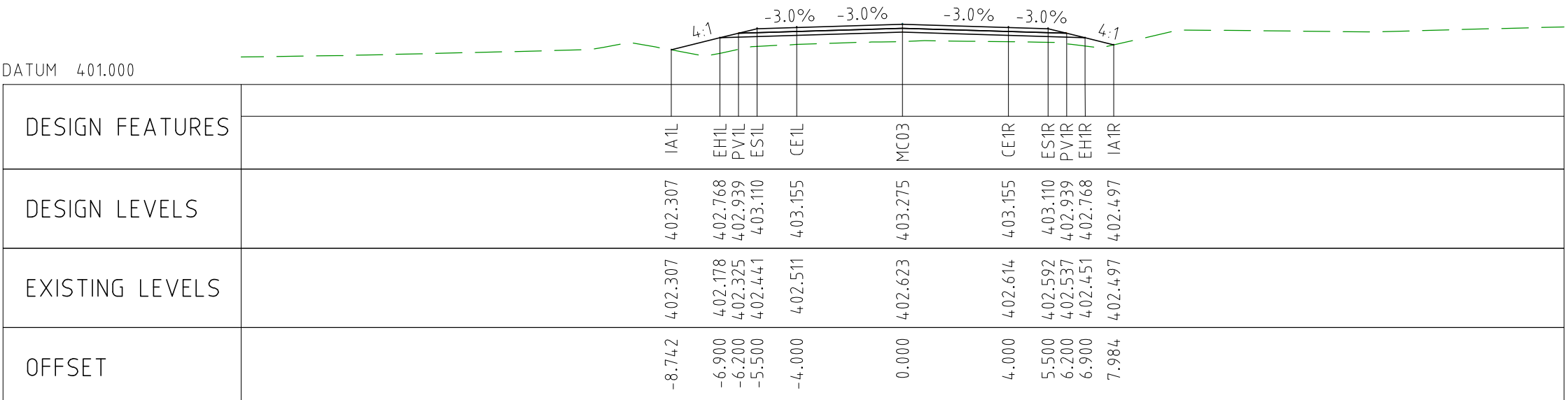
CHAINAGE 55550



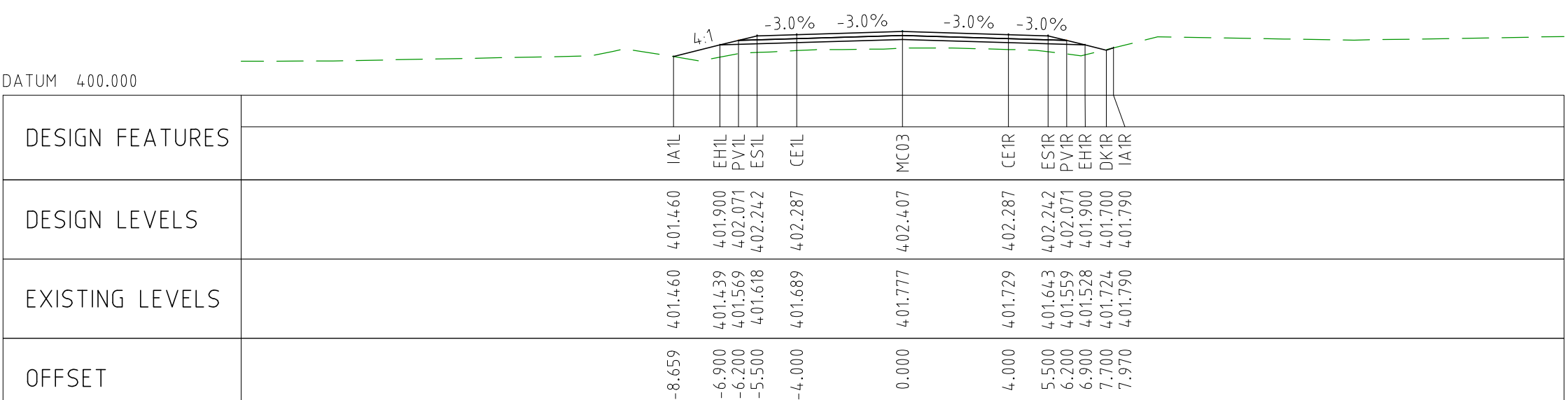
CHAINAGE 55500



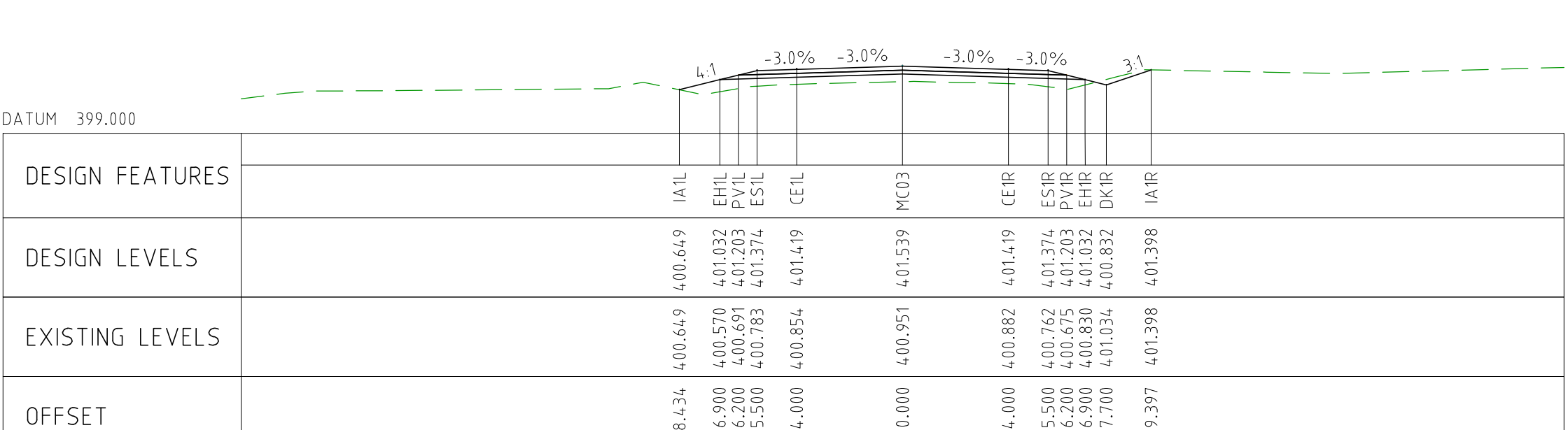
CHAINAGE 55500



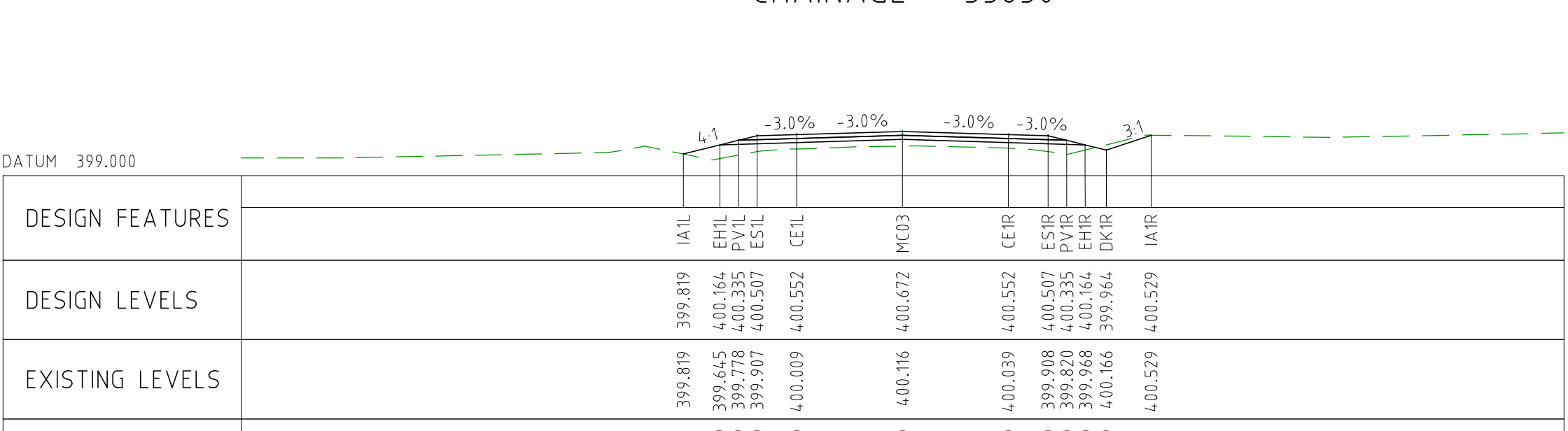
CHAINAGE 55950



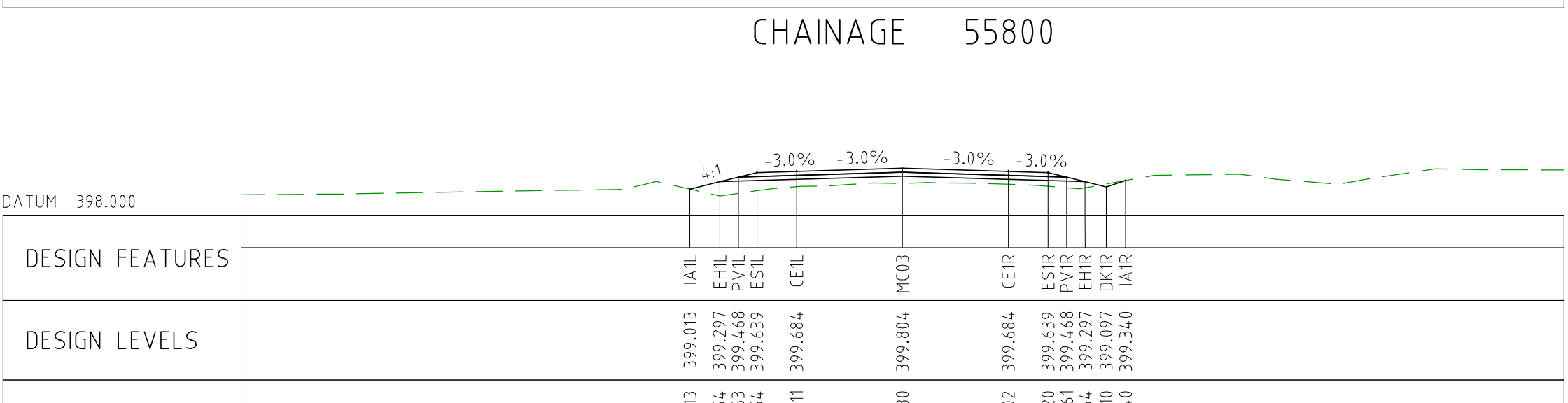
CHAINAGE 55900



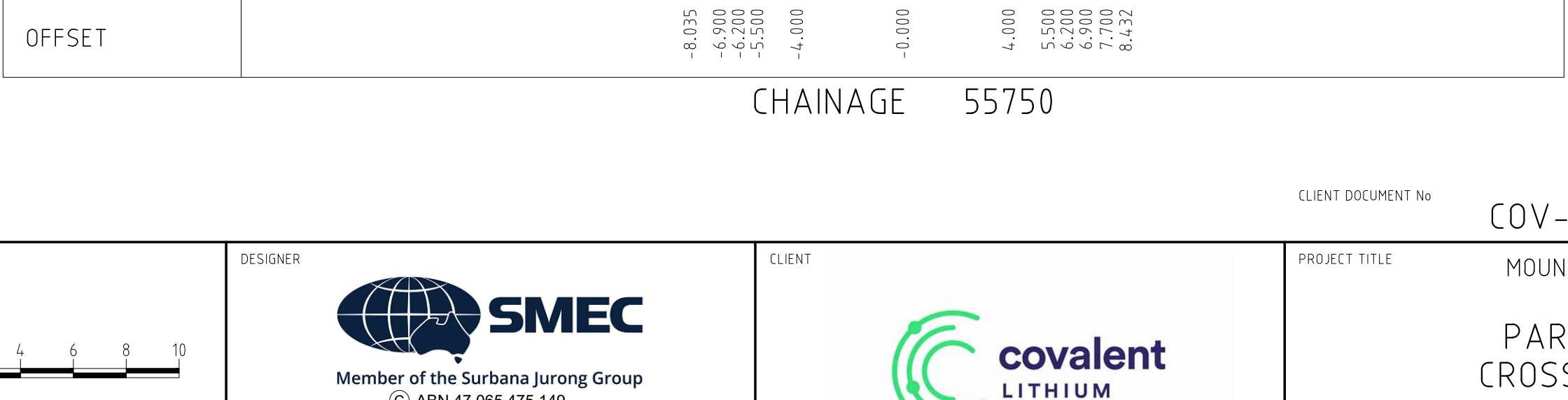
CHAINAGE 55850



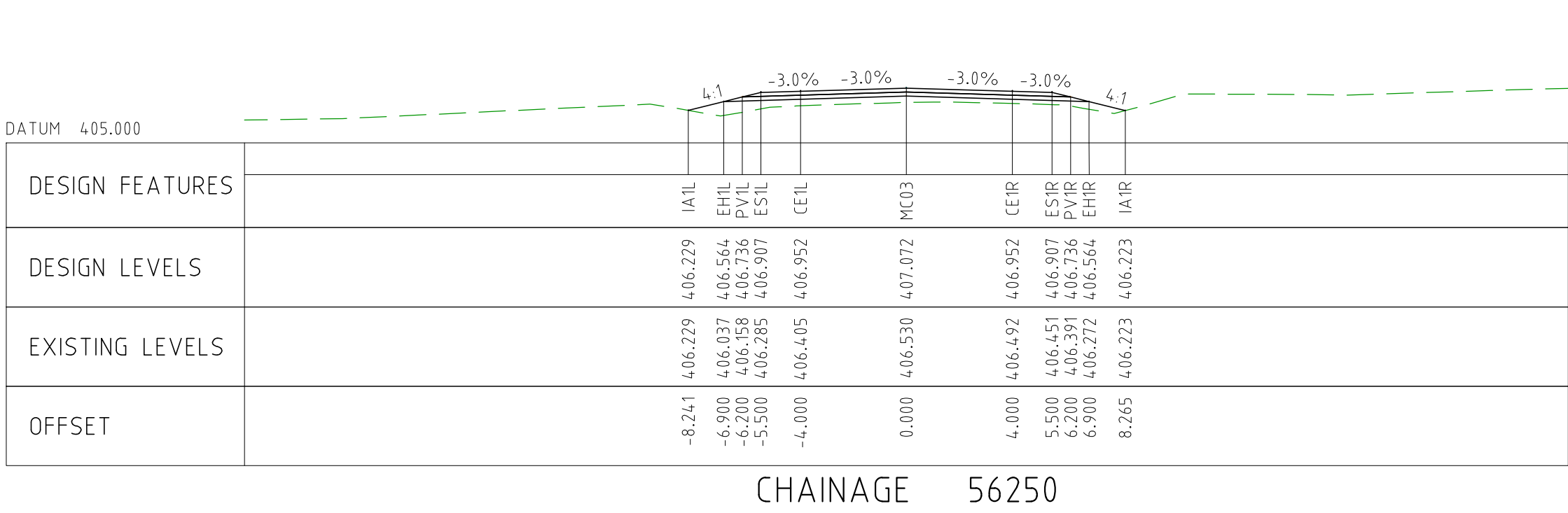
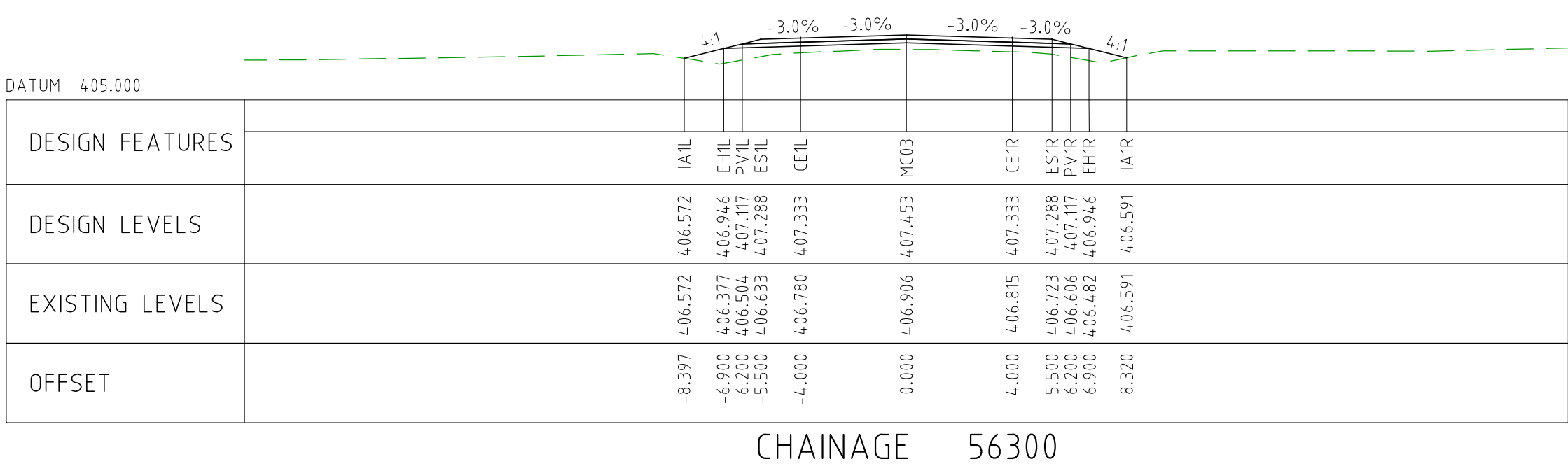
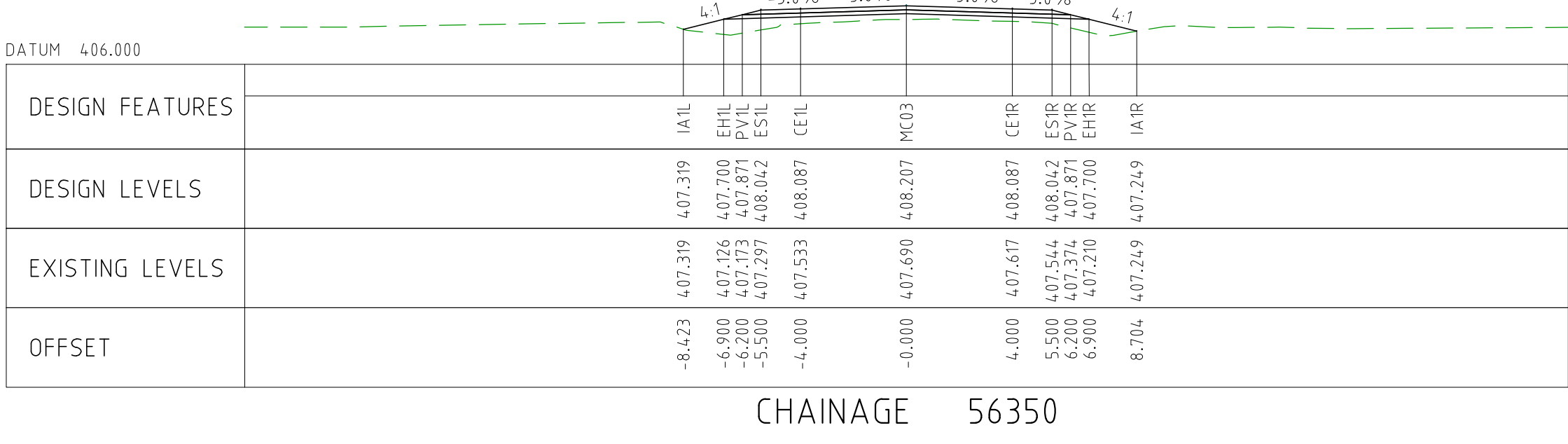
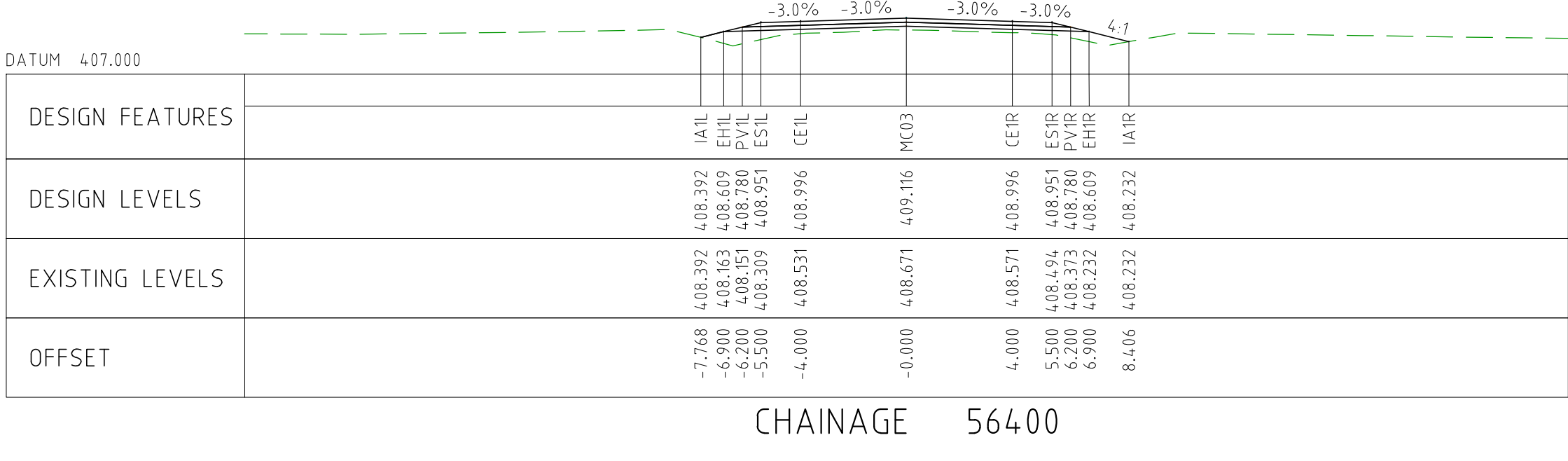
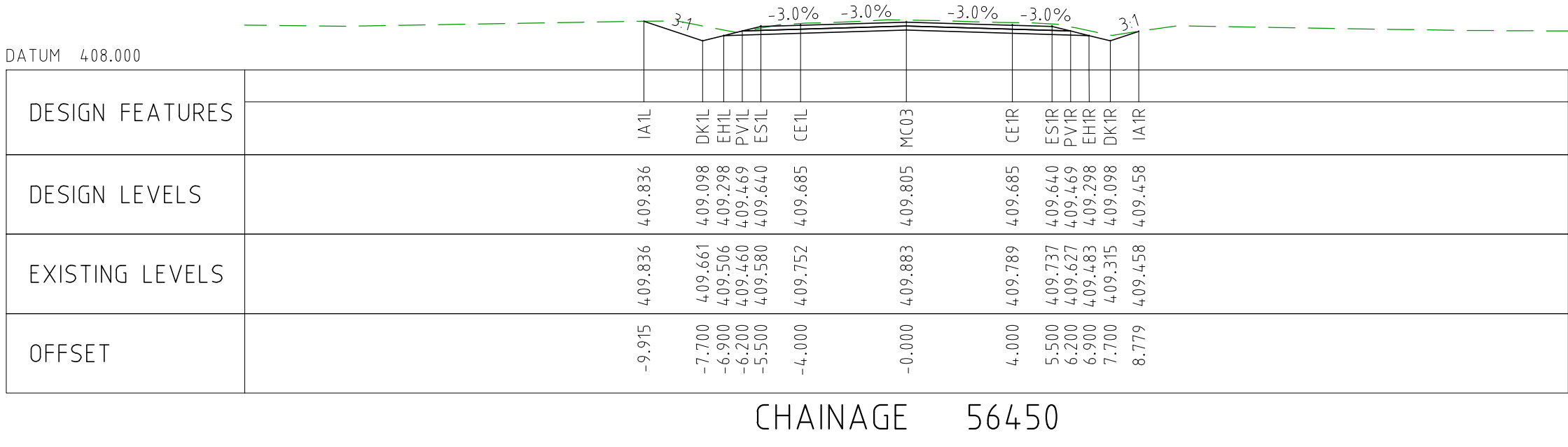
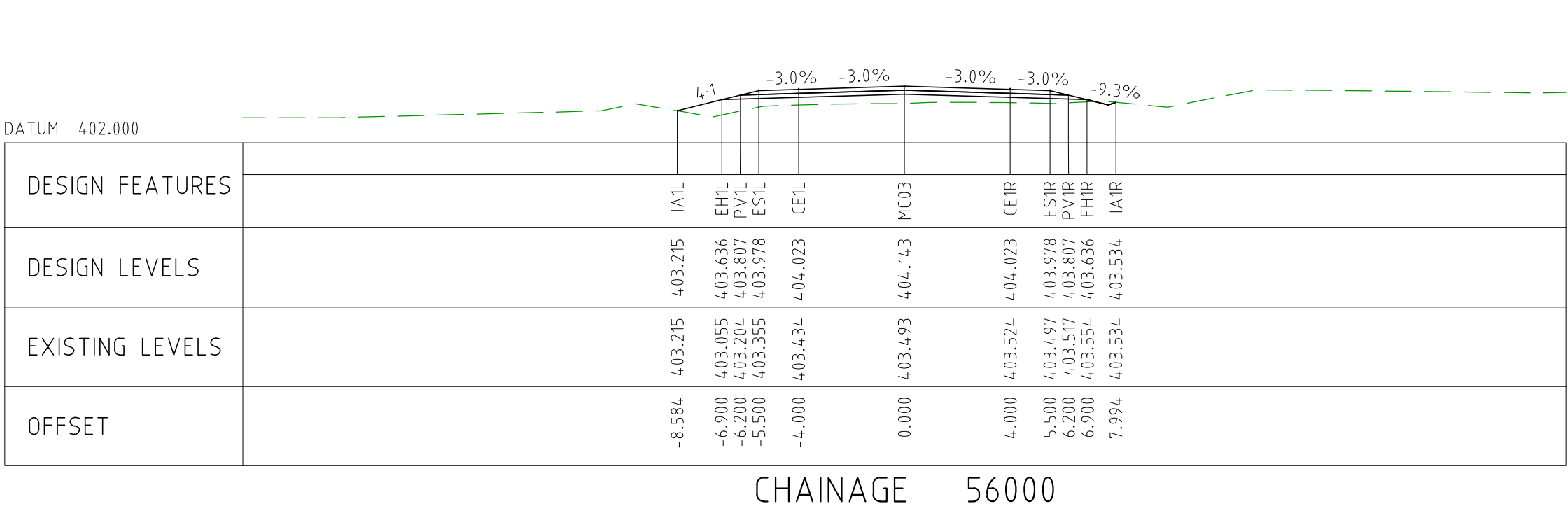
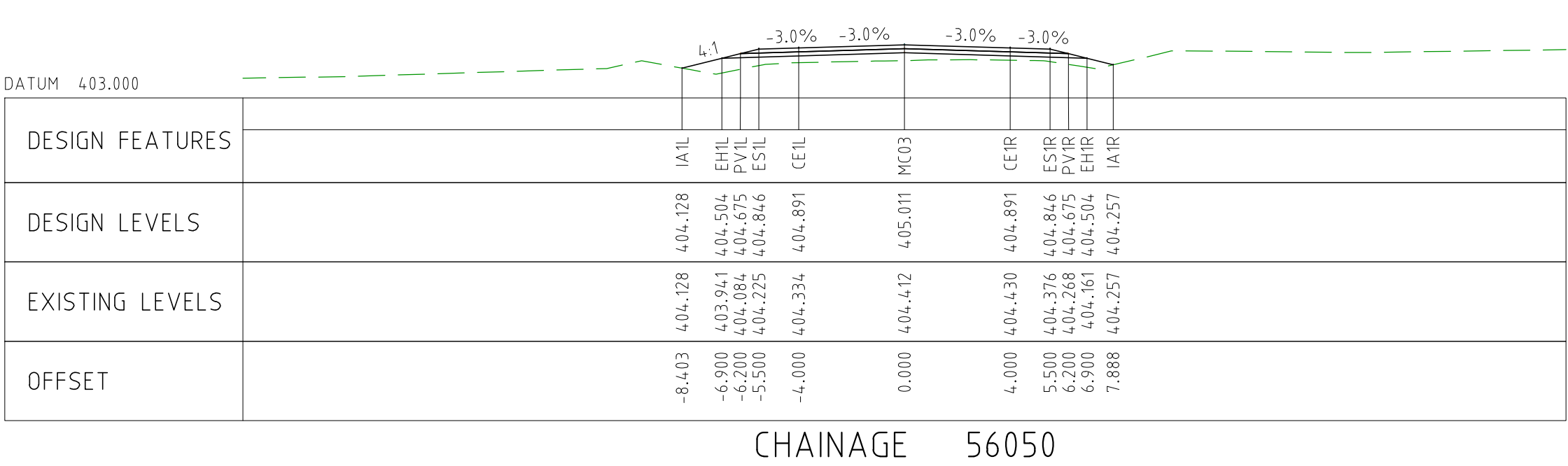
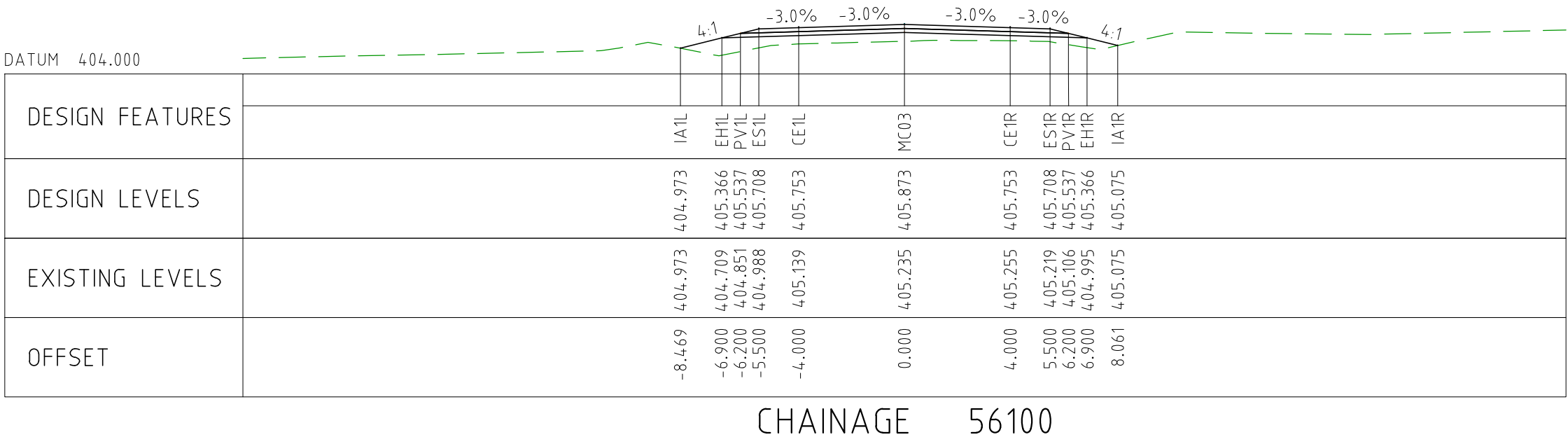
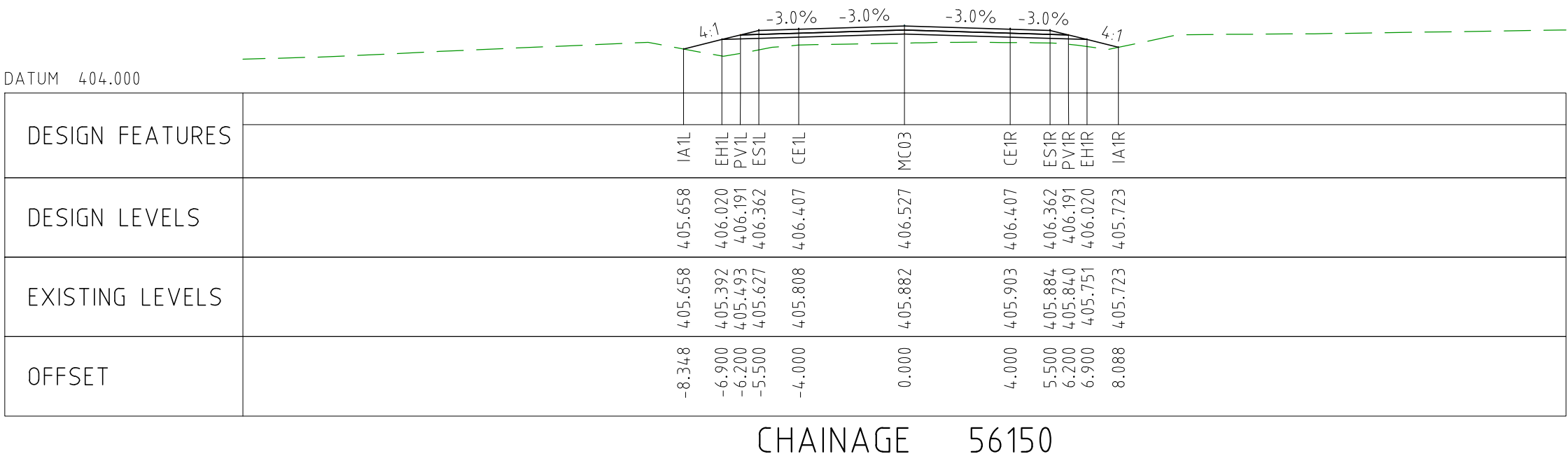
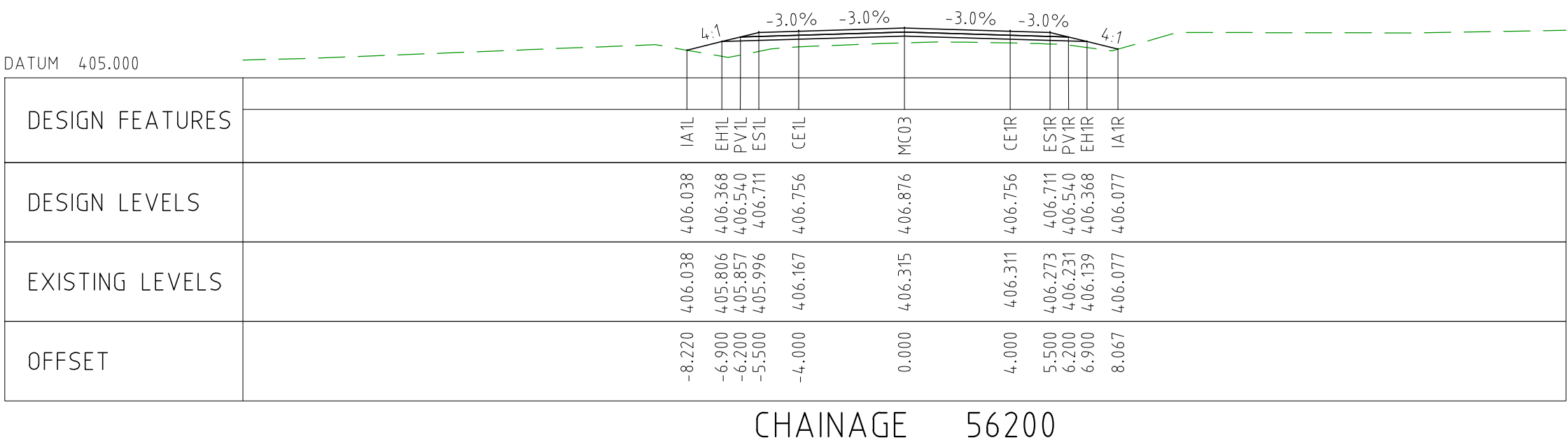
CHAINAGE 55800



CHAINAGE 55750






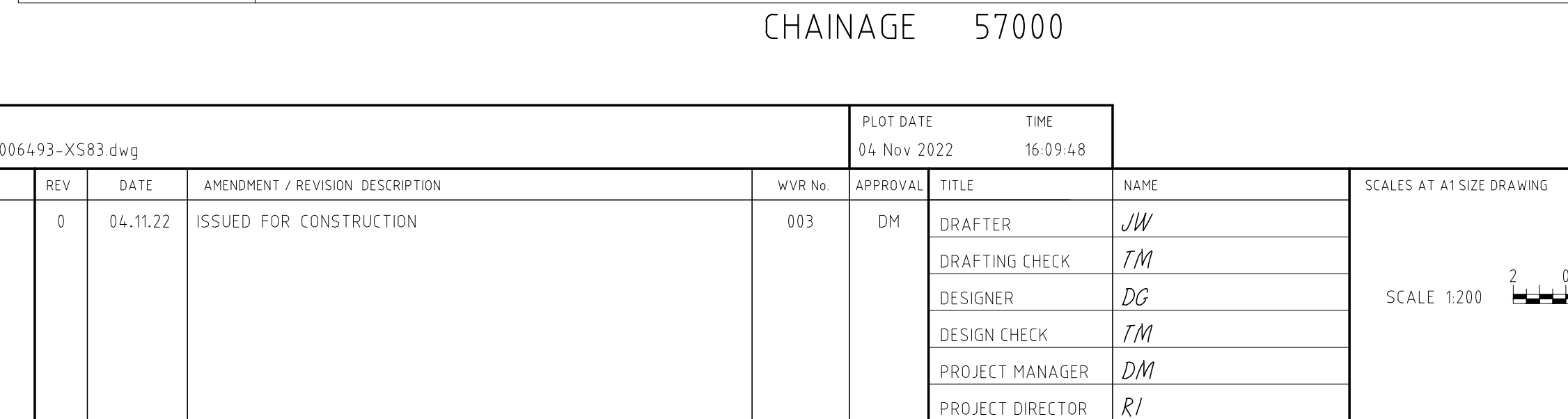
CHAINAGE 55750


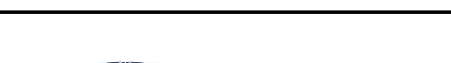



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS81.dwg				PLOT DATE 04 Nov 2022		TIME 16:08:57		CLIENT DOCUMENT No COV-M040-CI-DWG-0193											
EXTERNAL REFERENCE FILES				REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING <div>SCALE 1:200 </div>		DESIGNER <div> Member of the Surbana Jurong Group © ABN 47 065 475 149</div> SMC PROJECT No 3006493	CLIENT <div></div>	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 13 OF 26			
										DRAFTER JW						SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS81	REVISION 0
										DRAFTING CHECK TM									
										DESIGNER DG									
										DESIGN CHECK TM									
										PROJECT MANAGER DM									
										PROJECT DIRECTOR RI									


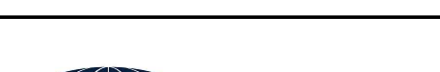



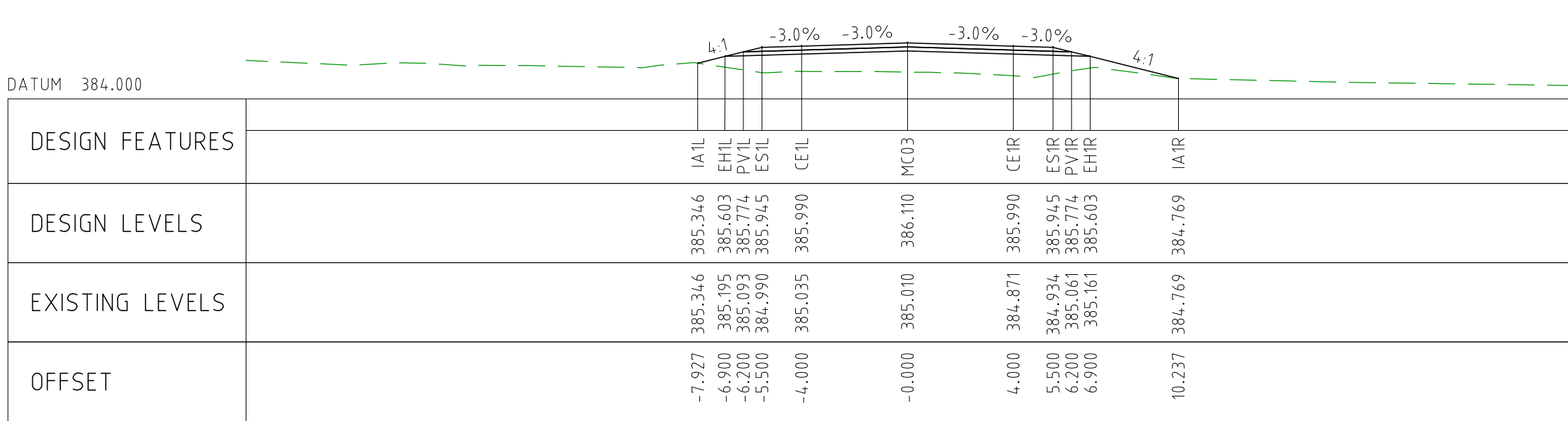
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS82.dwg					PLOT DATE 04 Nov 2022		TIME 16:09:23		CLIENT DOCUMENT No COV-M040-CI-DWG-0194																					
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	<table><tr><th>TITLE</th><th>NAME</th></tr><tr><td>DRAFTER</td><td>JW</td></tr><tr><td>DRAFTING CHECK</td><td>FM</td></tr><tr><td>DESIGNER</td><td>DC</td></tr><tr><td>DESIGN CHECK</td><td>FM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>	TITLE	NAME	DRAFTER	JW	DRAFTING CHECK	FM	DESIGNER	DC	DESIGN CHECK	FM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group (C) ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 14 OF 26		
TITLE	NAME																													
DRAFTER	JW																													
DRAFTING CHECK	FM																													
DESIGNER	DC																													
DESIGN CHECK	FM																													
PROJECT MANAGER	DM																													
PROJECT DIRECTOR	RI																													
										SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS82	REVISION 0																	



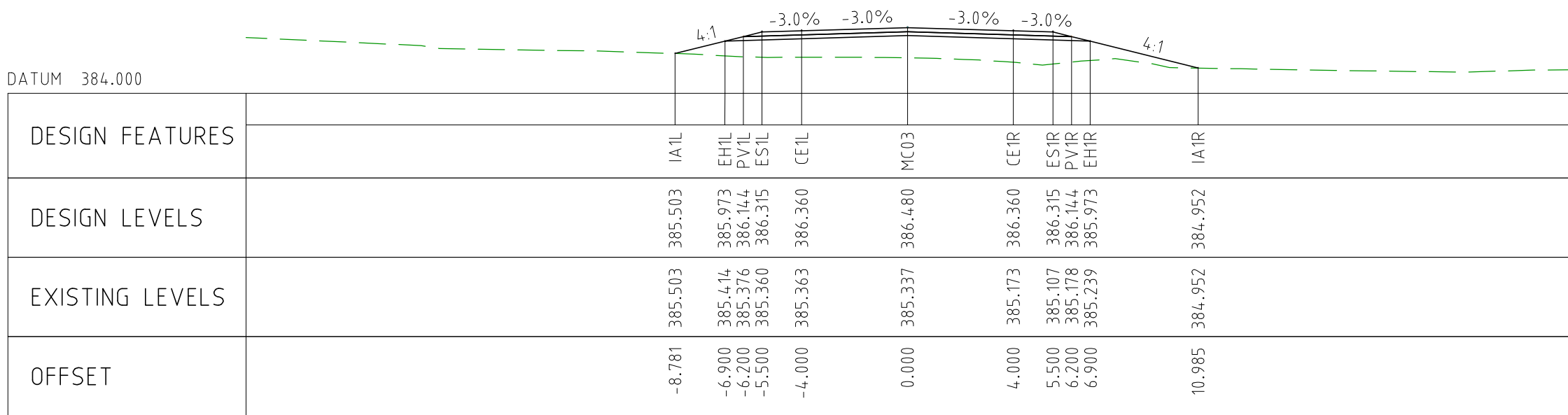
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS83.dwg				PLOT DATE 04 Nov 2022		TIME 16:09:48		CLIENT DOCUMENT NO COV-M040-CI-DWG-0195											
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 15 OF 26		SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS83	REVISION 0



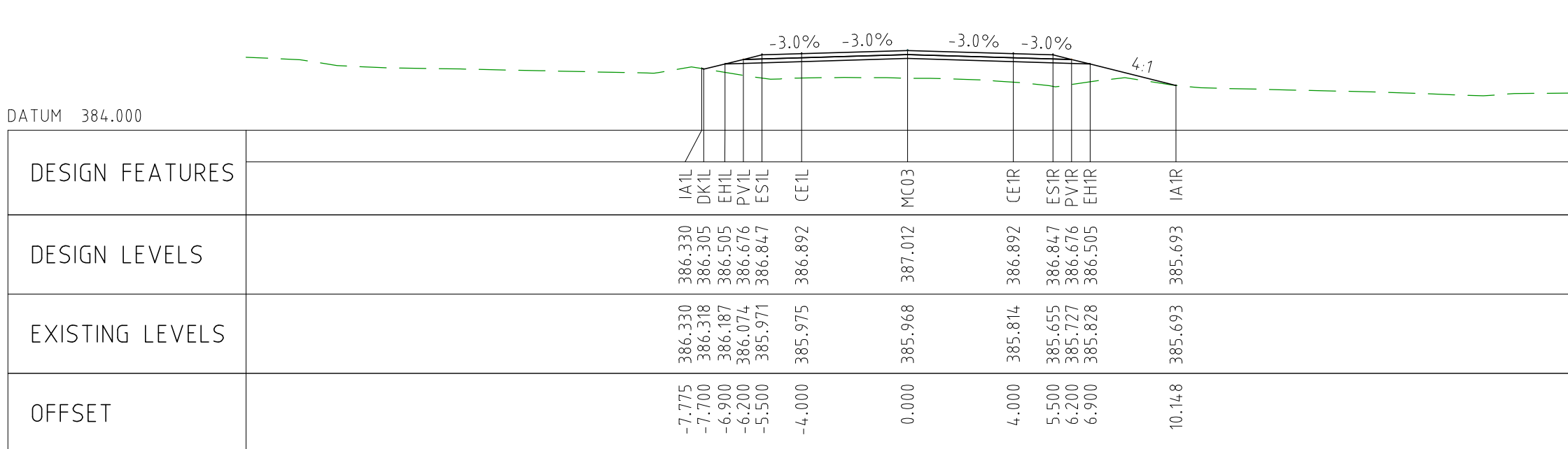
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS84.dwg					PLOT DATE 04 Nov 2022		TIME 16:10:14		CLIENT DOCUMENT NO COV-M040-CI-DWG-0196								
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 16 OF 26		
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW									
							DRAFTING CHECK	TM									
							DESIGNER	DG									
							DESIGN CHECK	TM									
							PROJECT MANAGER	DM									
							PROJECT DIRECTOR	RI									
		SCALE	1:200	PHASE	DETAILED	PROJECT / DRAWING No 3006493-XS84		REVISION 0									



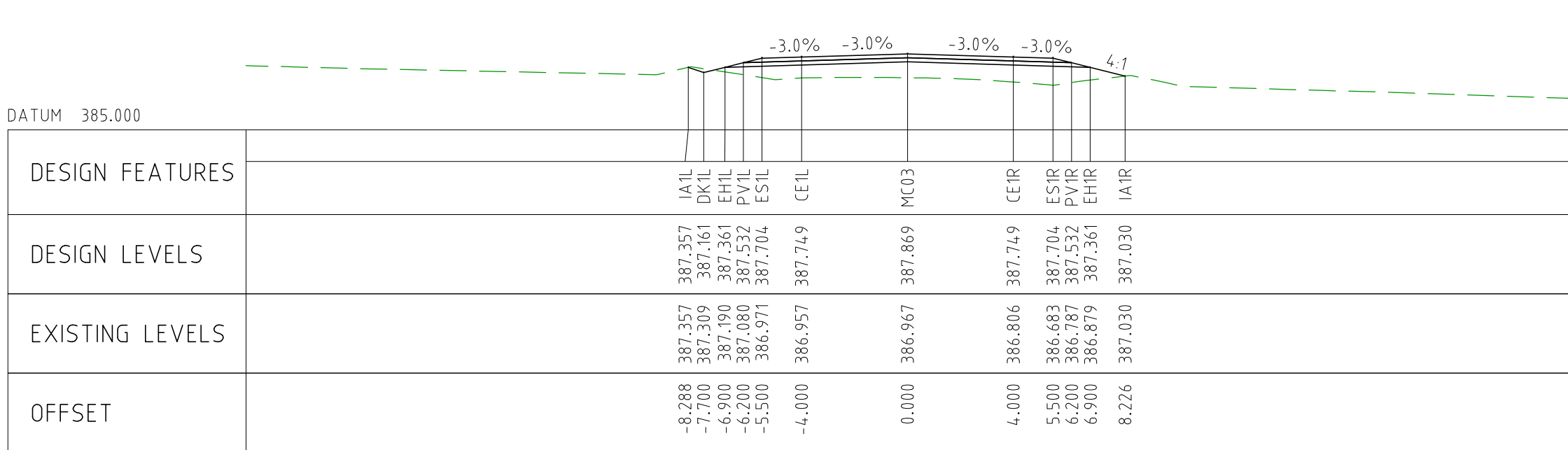
CHAINAGE 58200



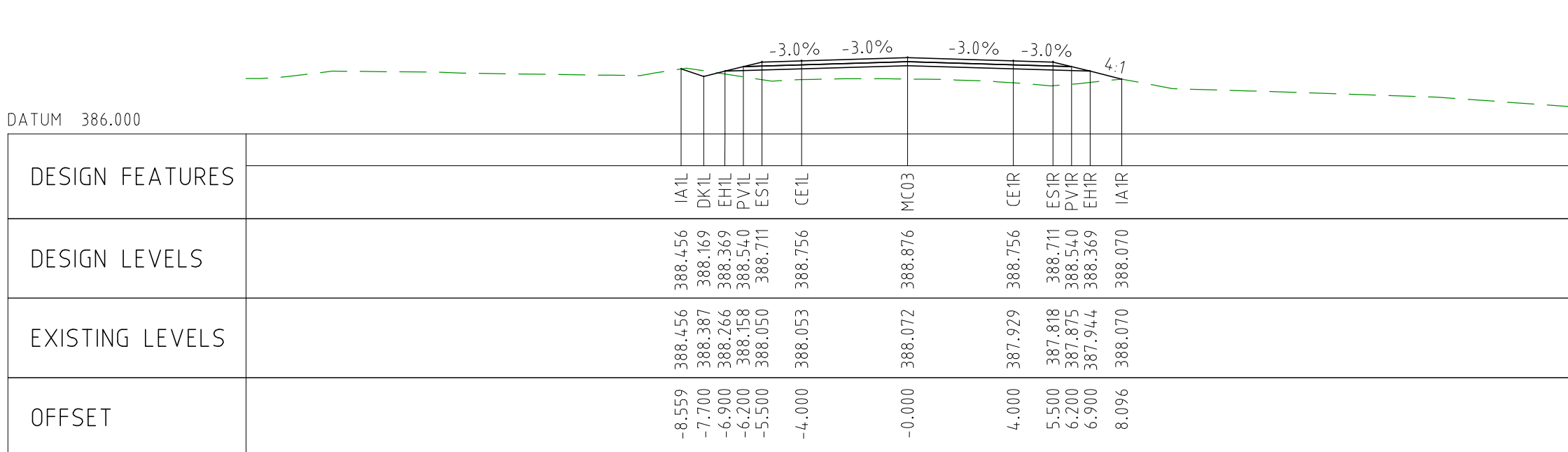
CHAINAGE 58150



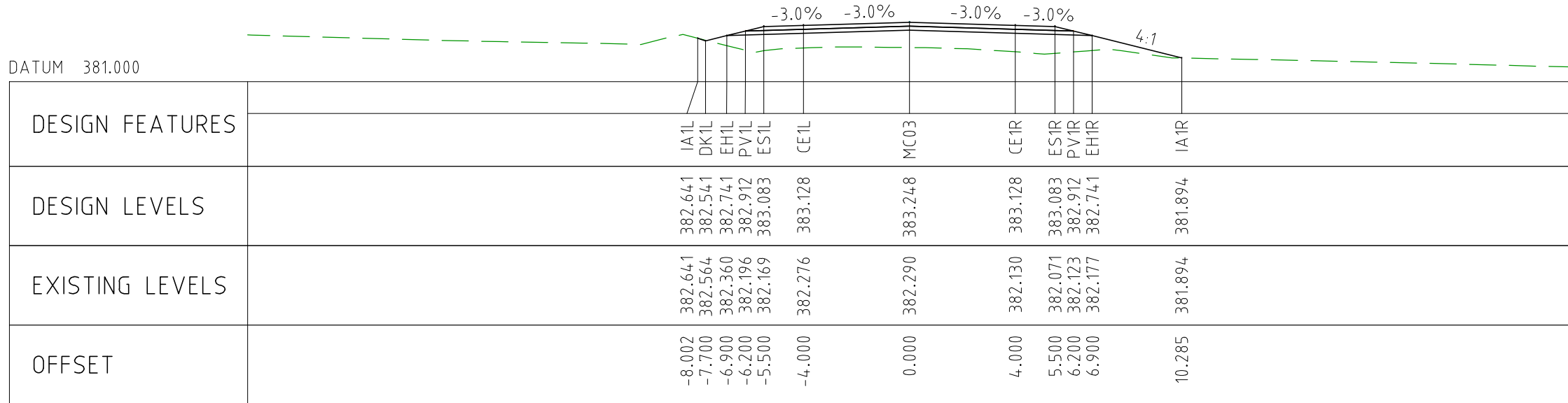
CHAINAGE 58100



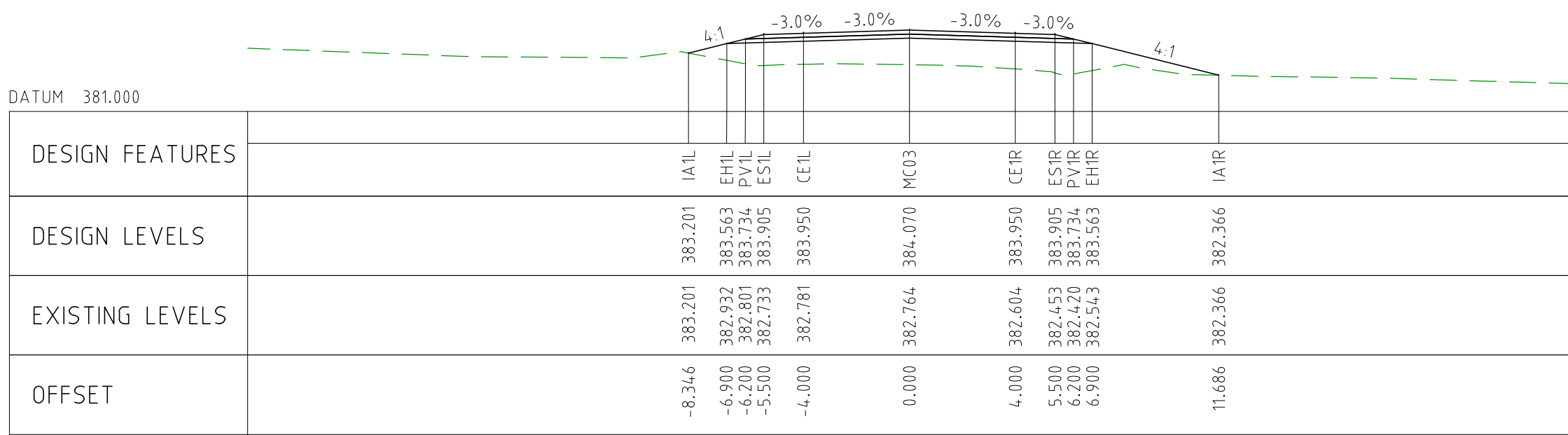
CHAINAGE 58050



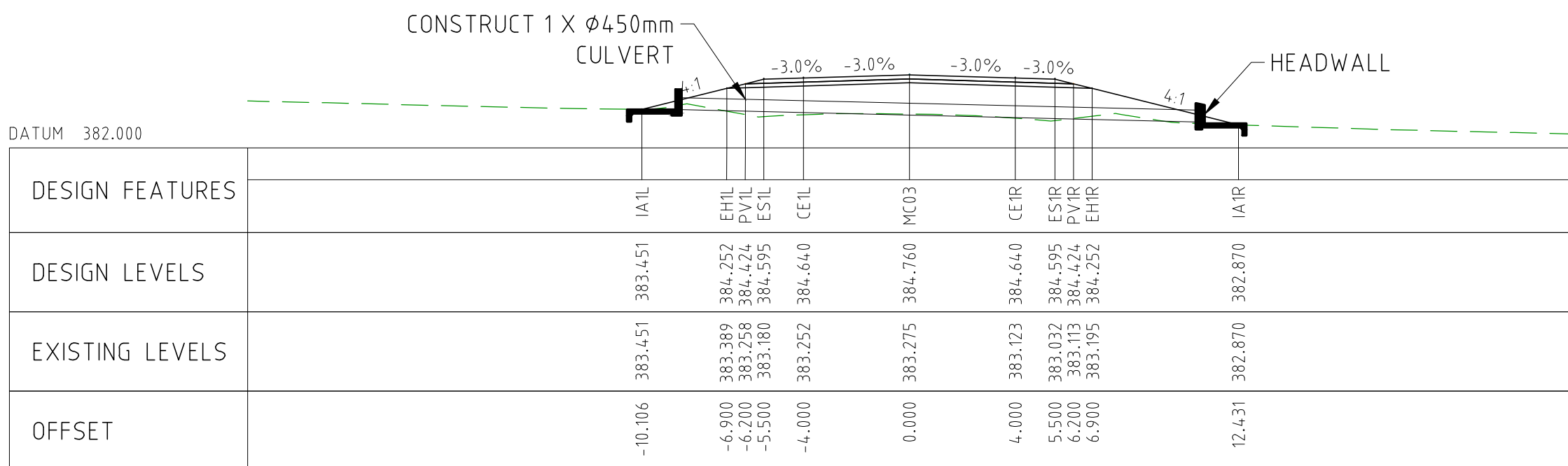
CHAINAGE 58000



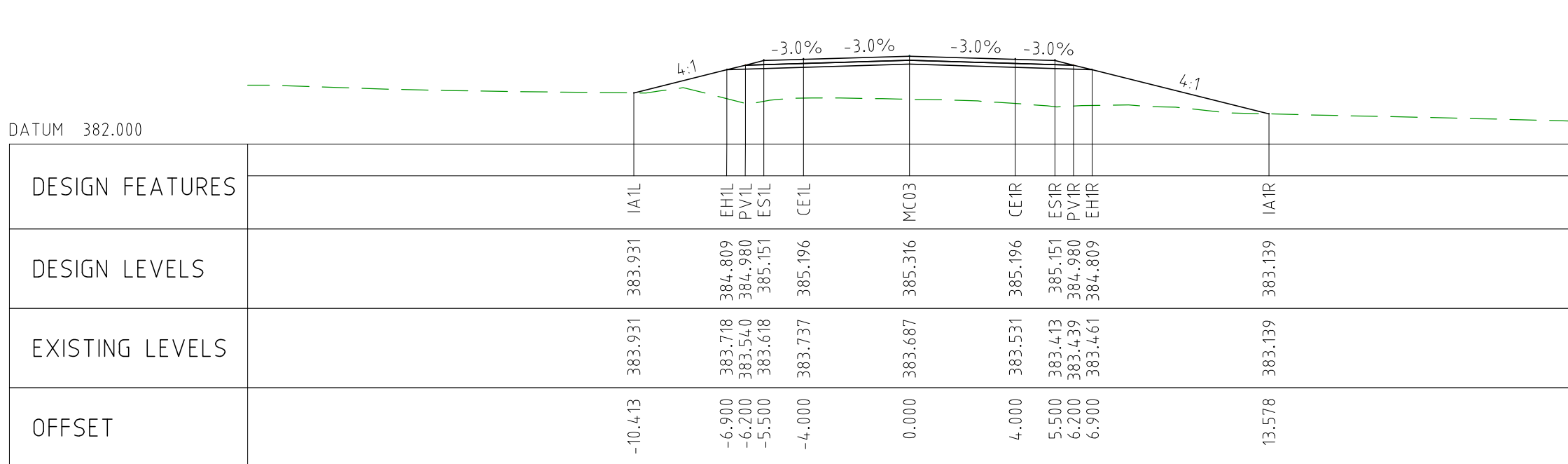
CHAINAGE 58450



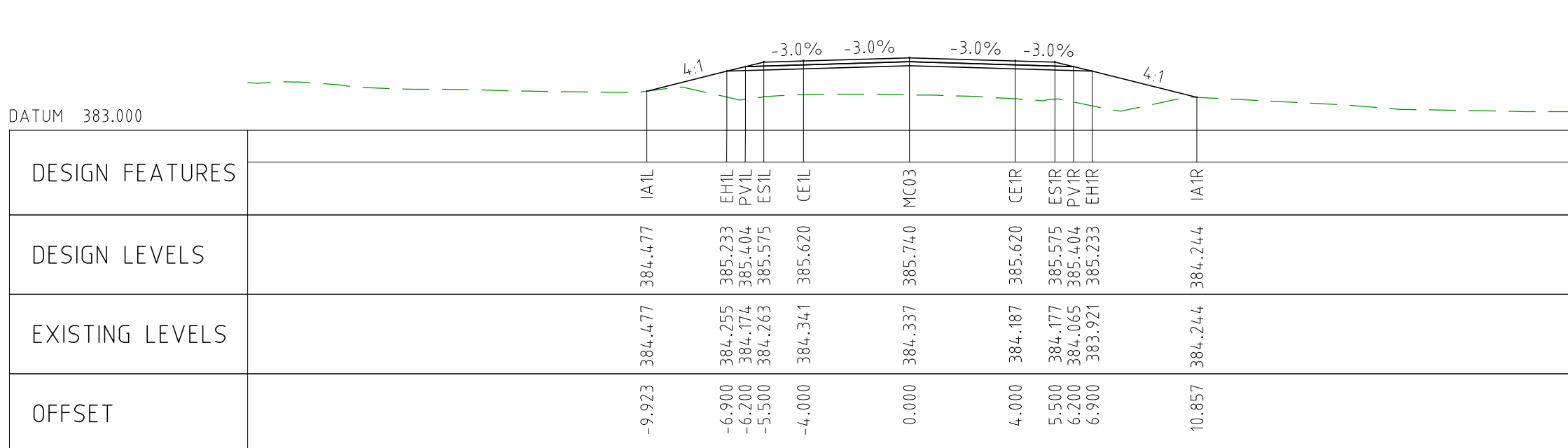
CHAINAGE 58400



CHAINAGE 58350






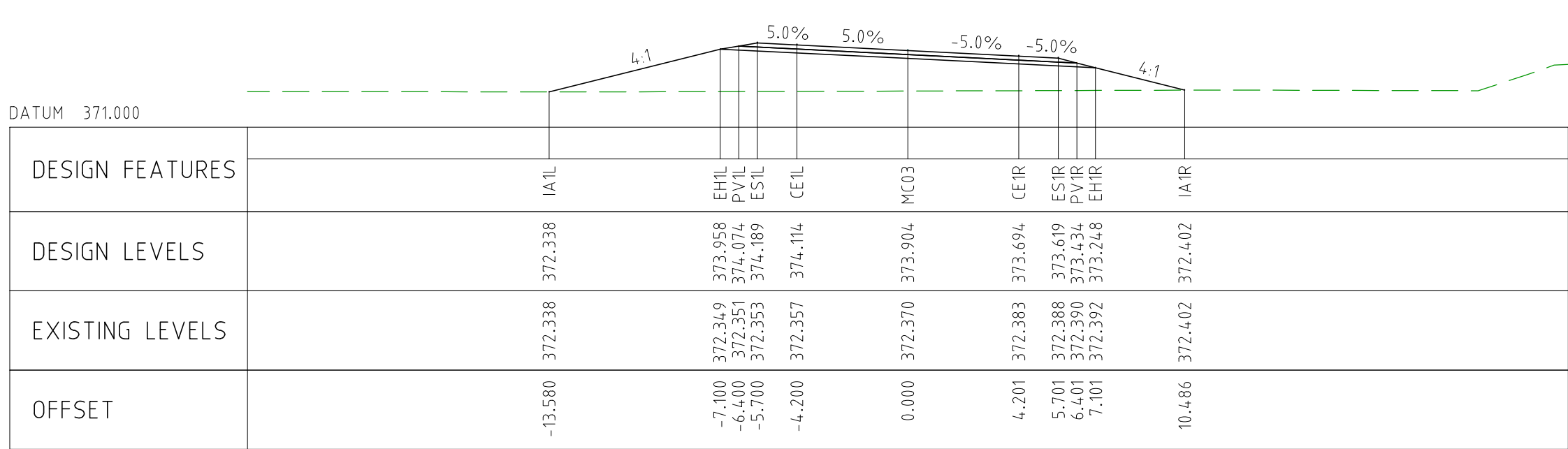
CHAINAGE 58300



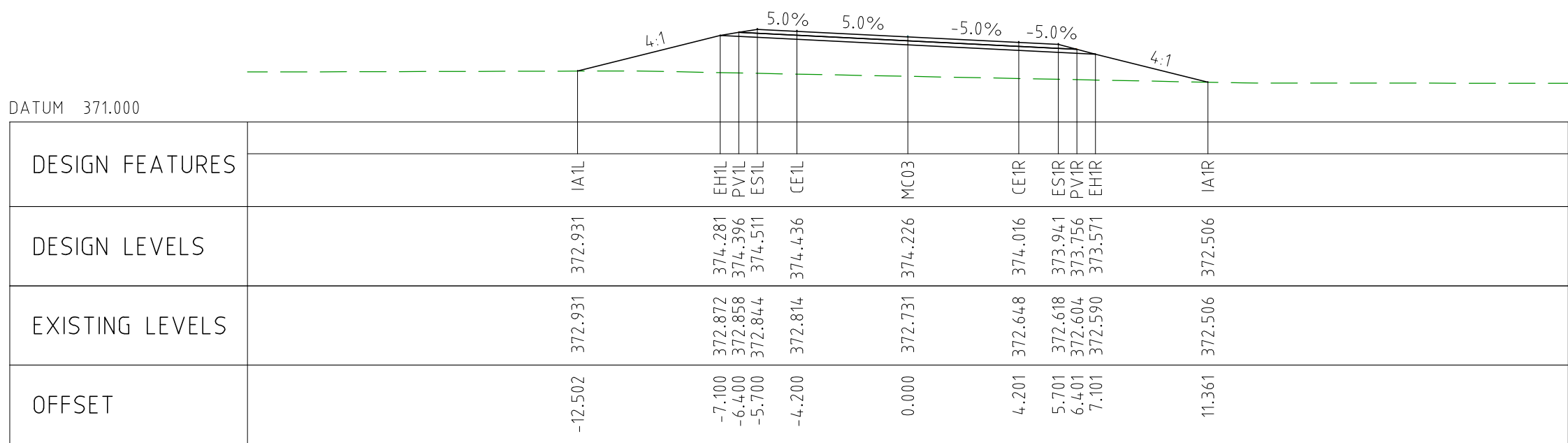
CHAINAGE 58250



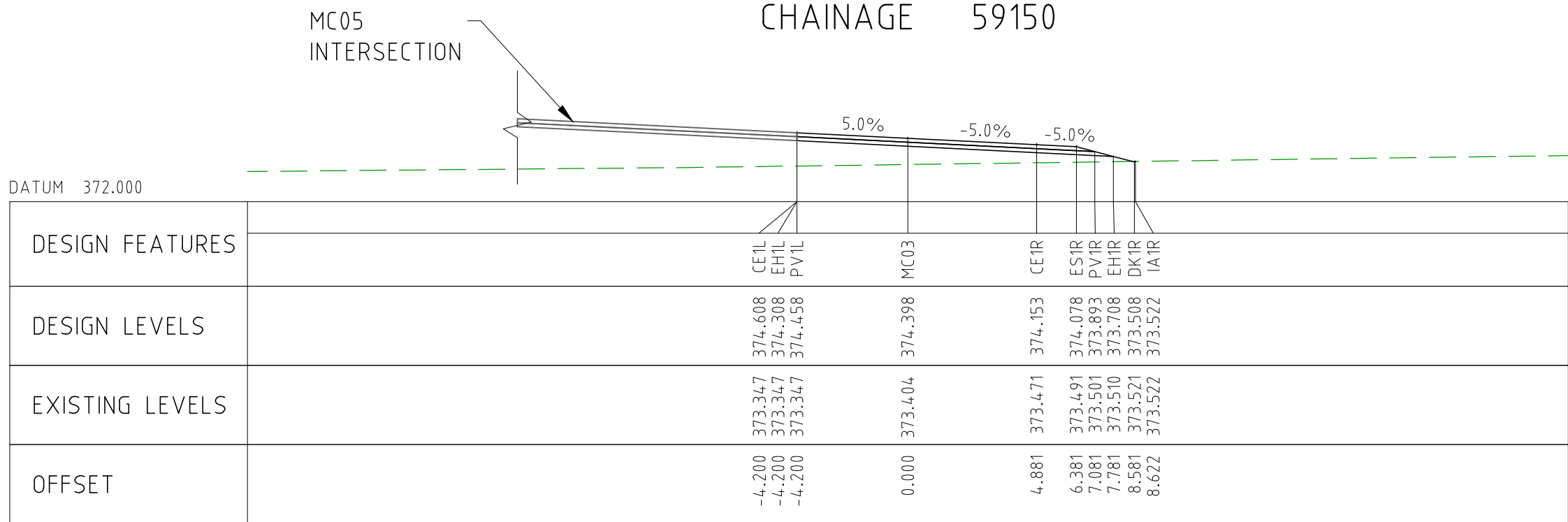
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS86.dwg					PLOT DATE 04 Nov 2022		TIME 16:11:15		CLIENT DOCUMENT No COV-M040-CI-DWG-0198							
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE			
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	SCALE 1:200 		 Member of the SurbanaJurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 18 OF 26			
					DRAFTING CHECK	TM										
					DESIGNER	DG										
					DESIGN CHECK	TM										
					PROJECT MANAGER	DM										
					PROJECT DIRECTOR	RJ										
													SCALE 1:200	PHASE DETAILED	PROJECT / DRAWING No 3006493-XS86	REVISION 0



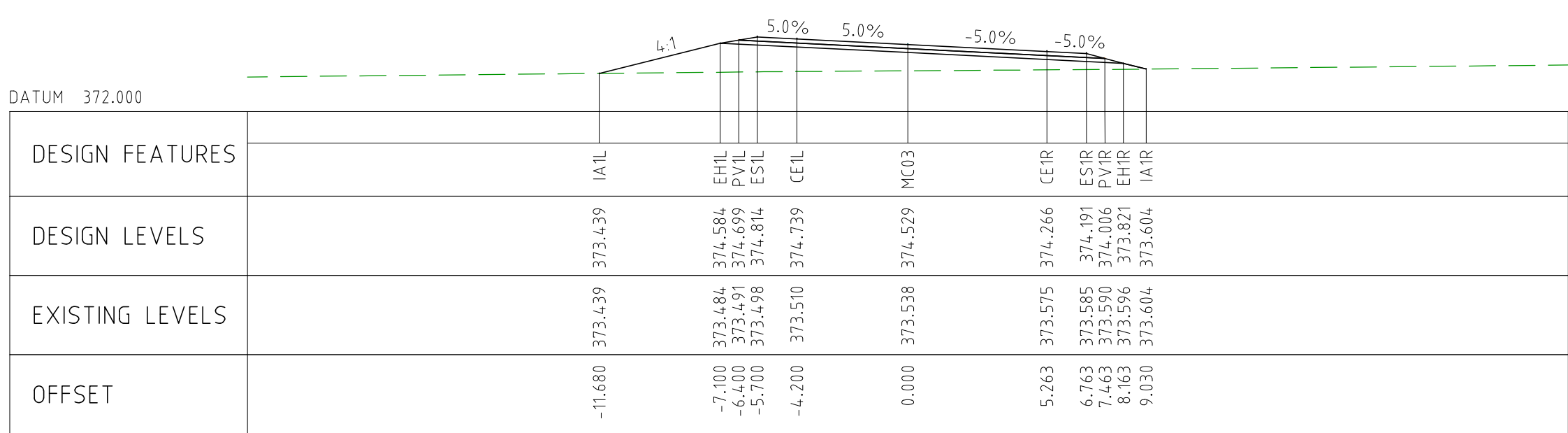
CHAINAGE 59200



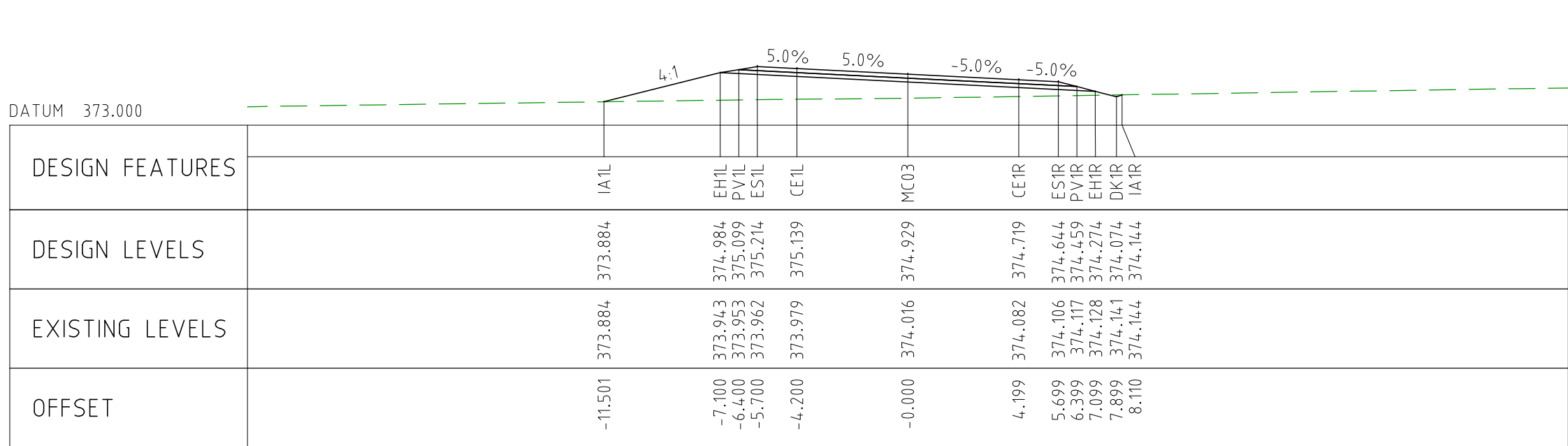
CHAINAGE 59150



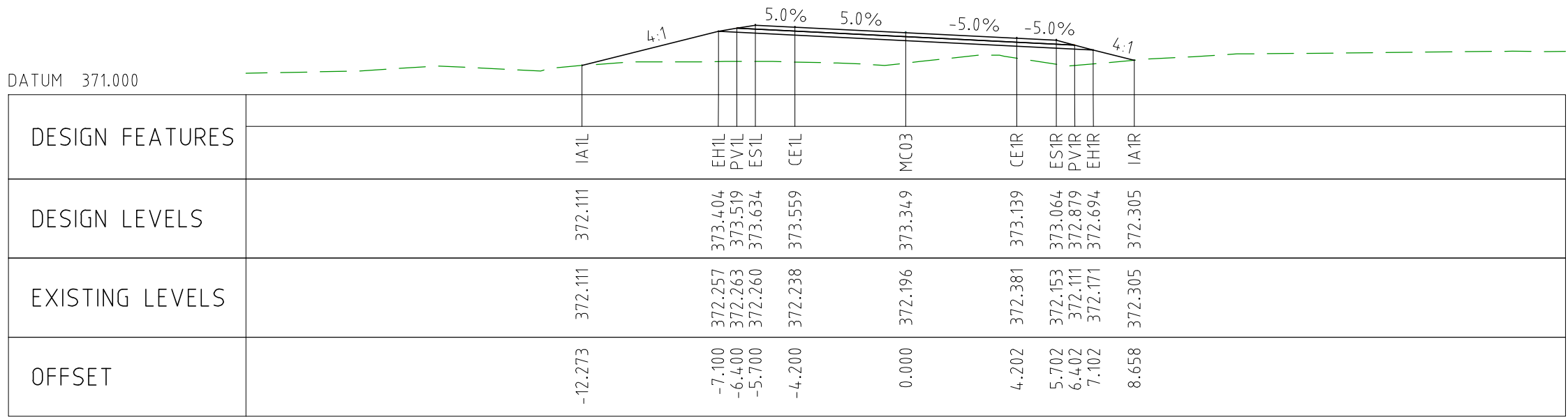
CHAINAGE 59100



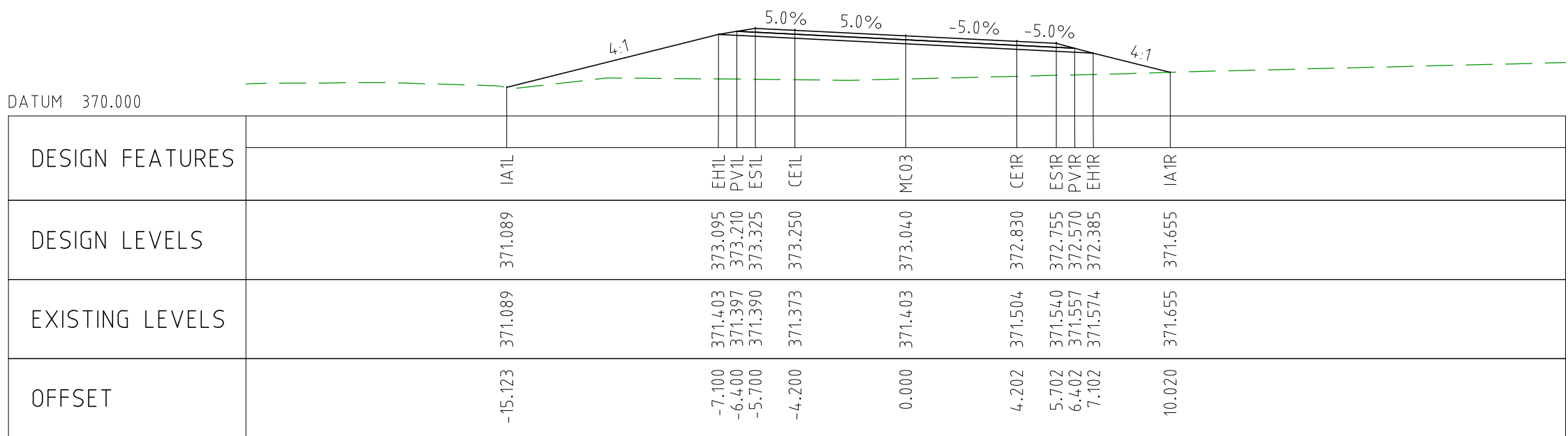
CHAINAGE 59050



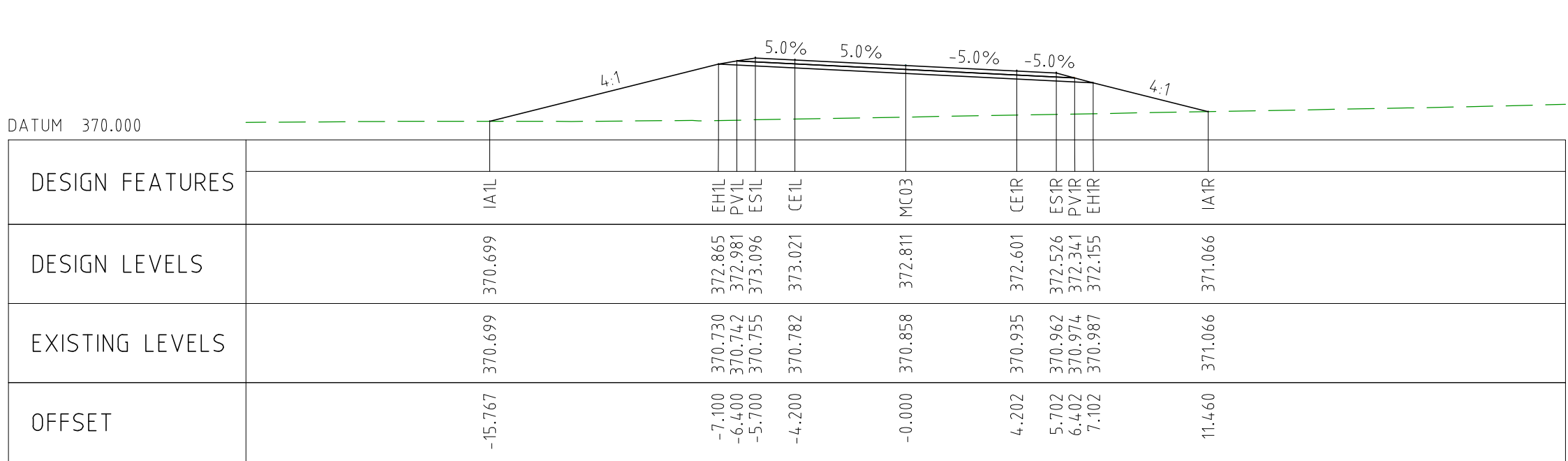
CHAINAGE 59000



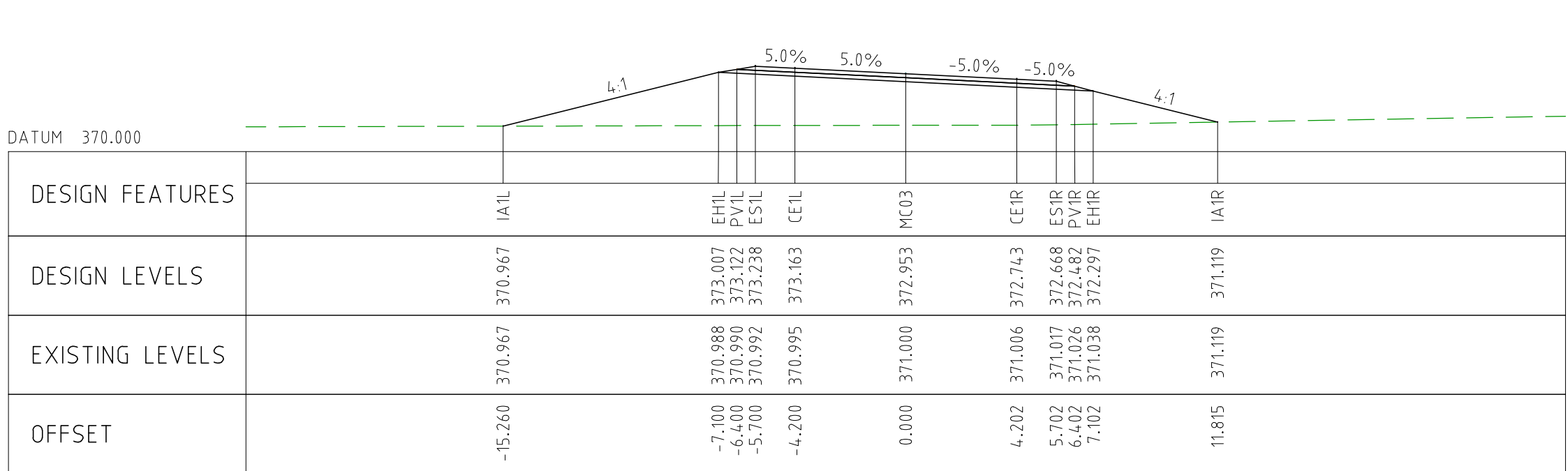
CHAINAGE 59450



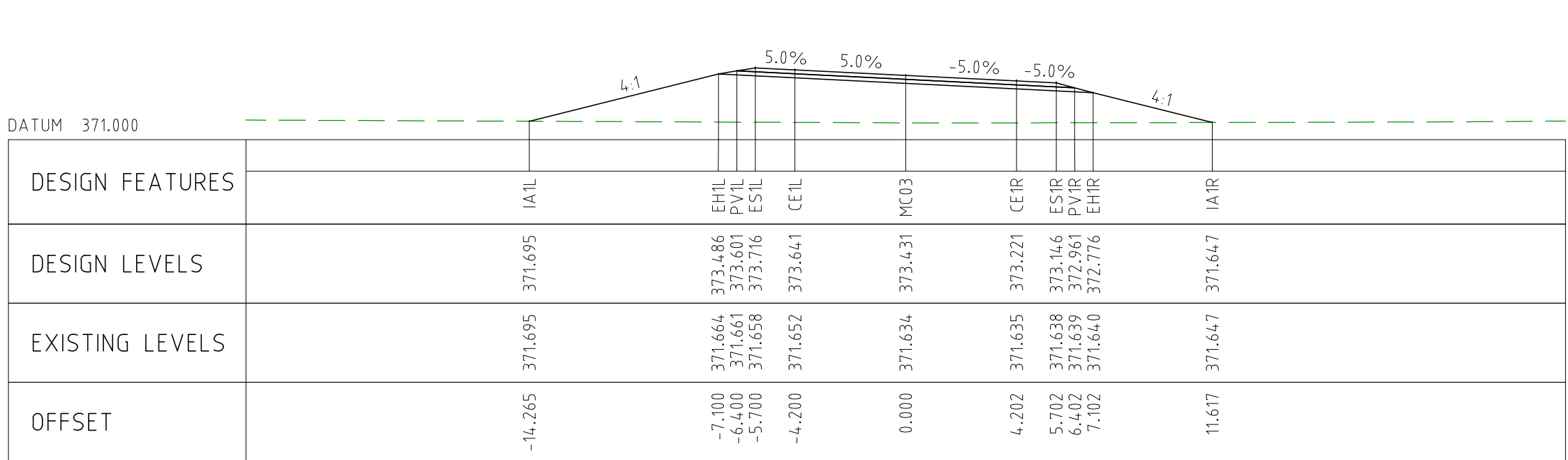
CHAINAGE 59400



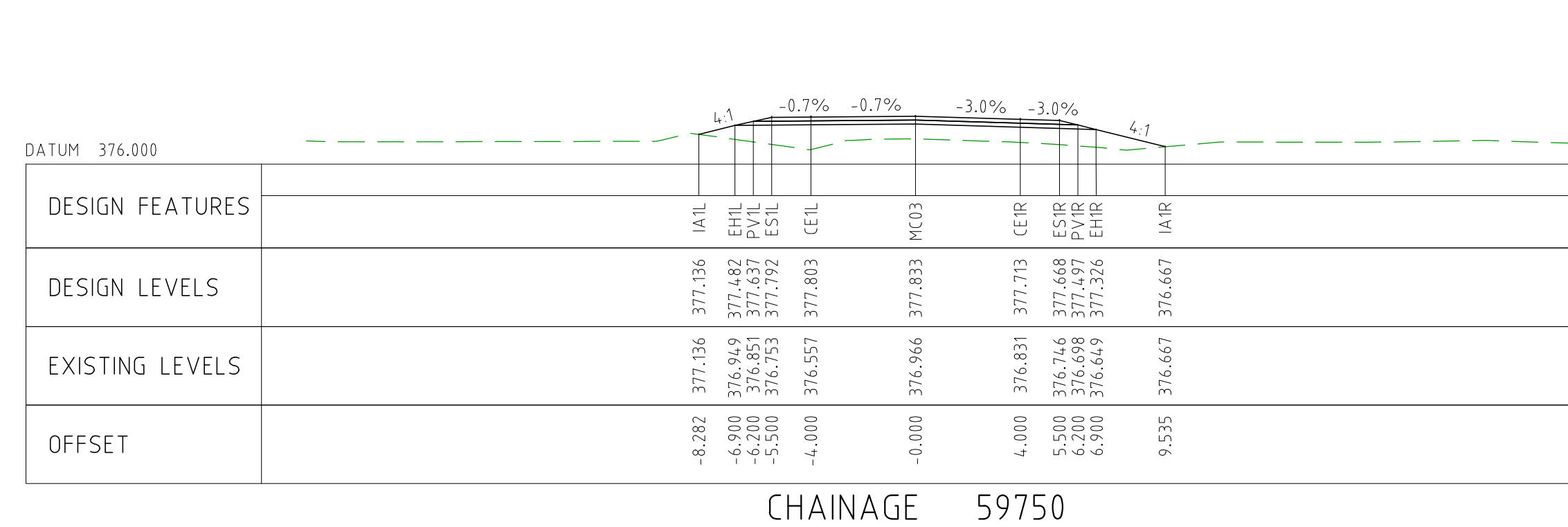
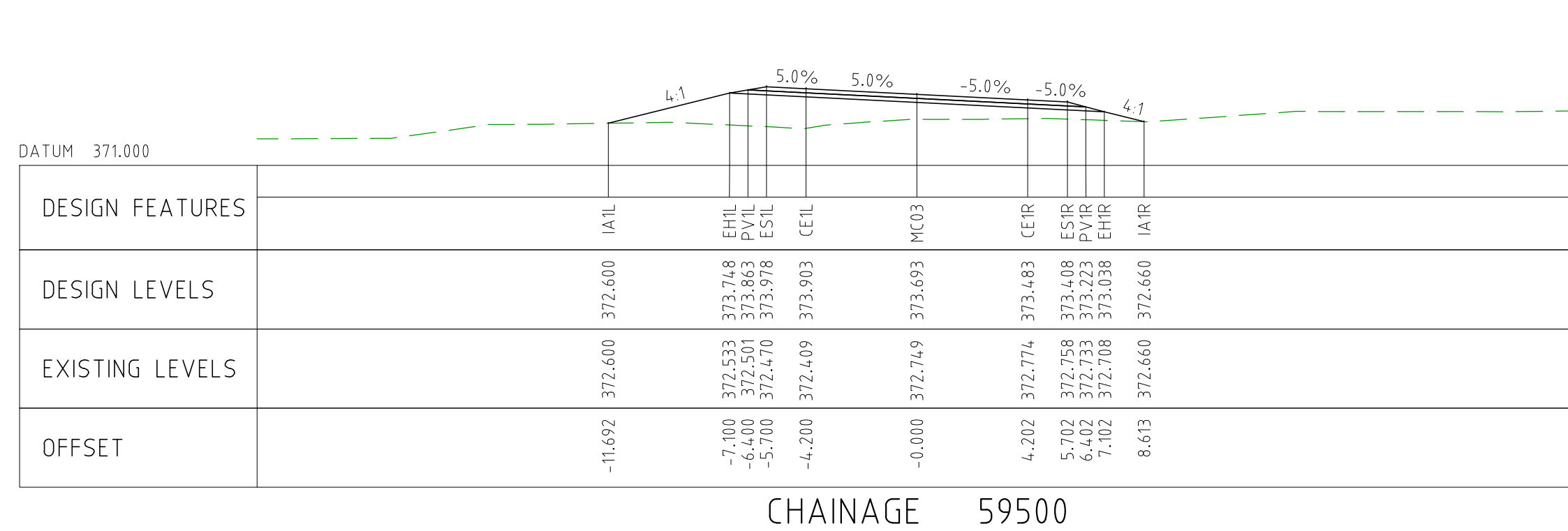
CHAINAGE 59350


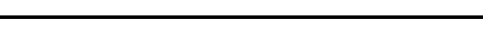



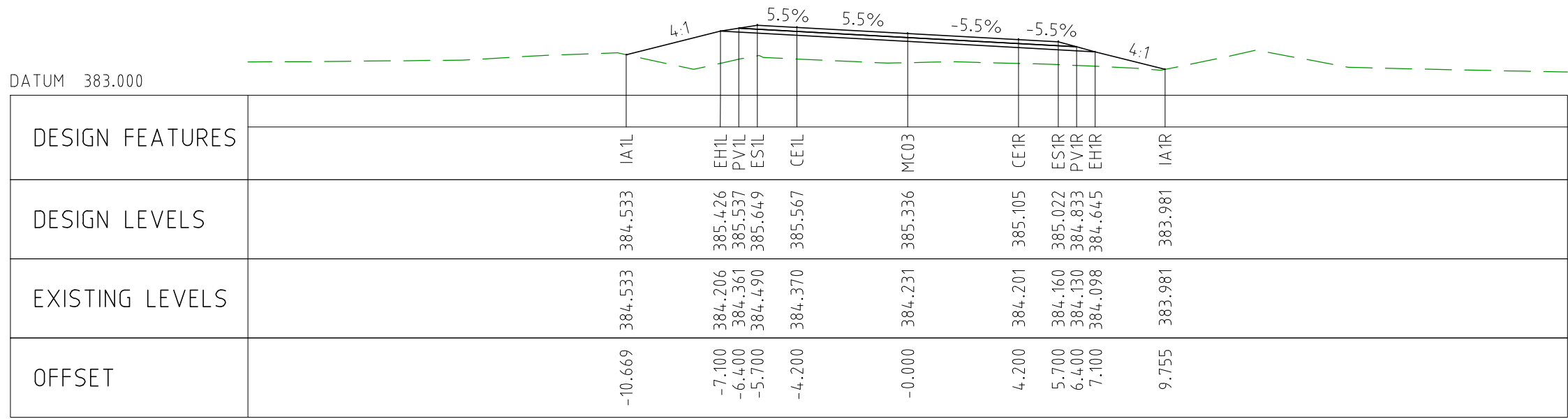
CHAINAGE 59300



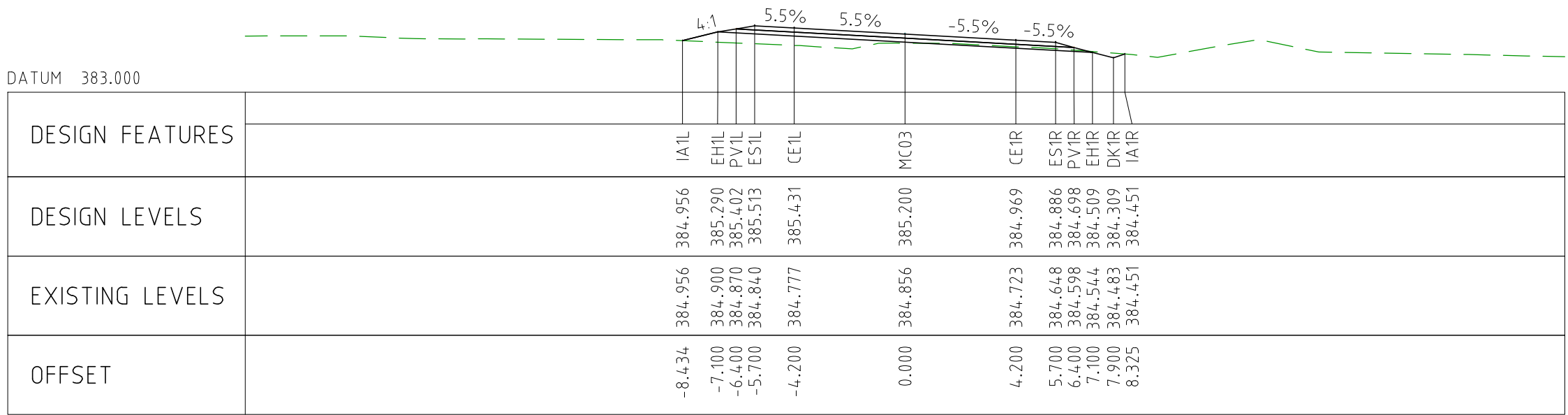
CHAINAGE 59250



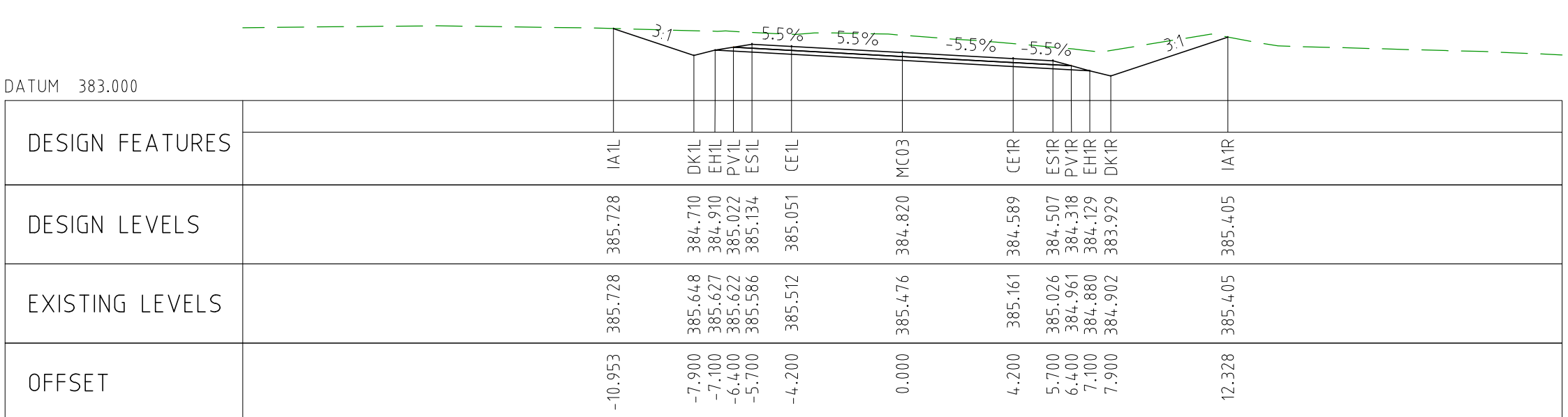
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006493\110_CADD\CAD\DWG\3006493-XS88.dwg					PLOT DATE 04 Nov 2022		TIME 16:12:11		CLIENT DOCUMENT No COV-M040-CI-DWG-0200																							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL DM	<table><tr><th>TITLE</th><th>NAME</th></tr><tr><td>DRAFTER</td><td>JW</td></tr><tr><td>DRAFTING CHECK</td><td>TM</td></tr><tr><td>DESIGNER</td><td>DG</td></tr><tr><td>DESIGN CHECK</td><td>TM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>		TITLE	NAME	DRAFTER	JW	DRAFTING CHECK	TM	DESIGNER	DG	DESIGN CHECK	TM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 20 OF 26		
TITLE	NAME																															
DRAFTER	JW																															
DRAFTING CHECK	TM																															
DESIGNER	DG																															
DESIGN CHECK	TM																															
PROJECT MANAGER	DM																															
PROJECT DIRECTOR	RI																															
										SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS88		REVISION 0																



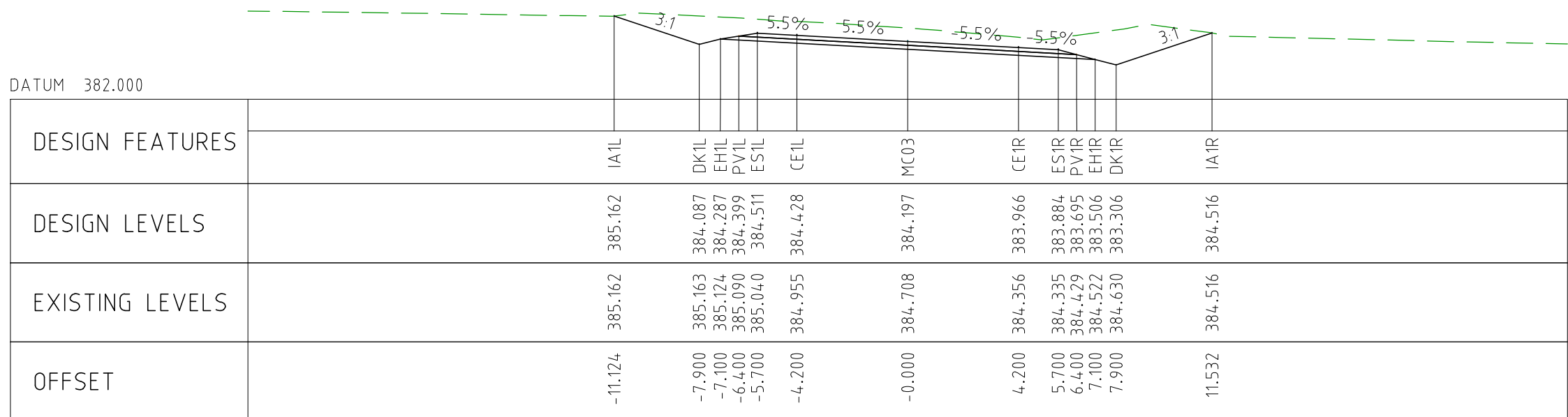
CHAINAGE 60200



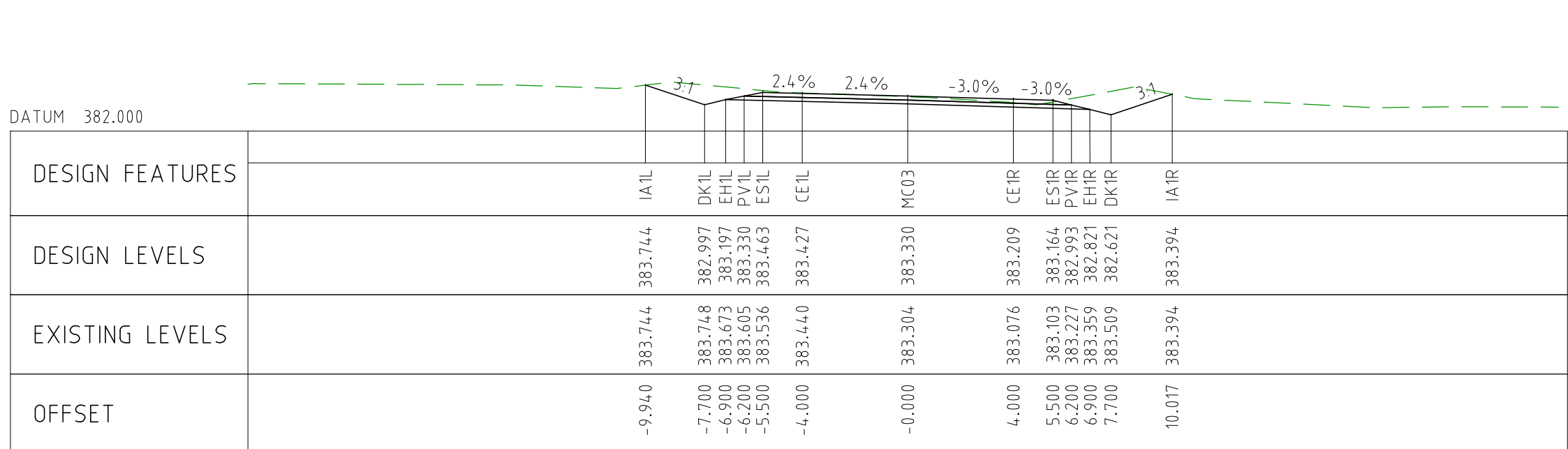
CHAINAGE 60150



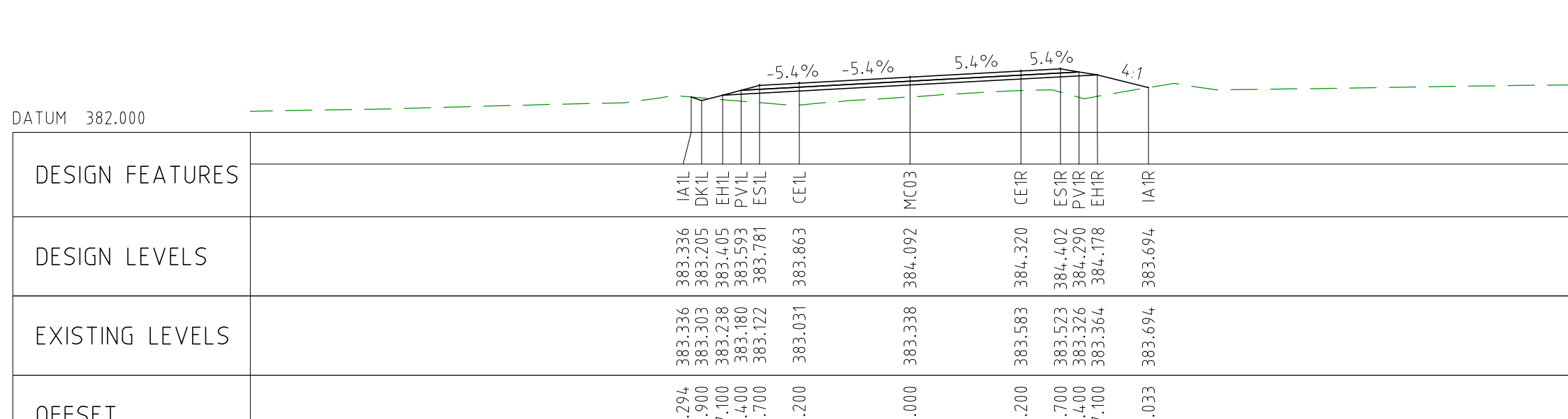
CHAINAGE 60100



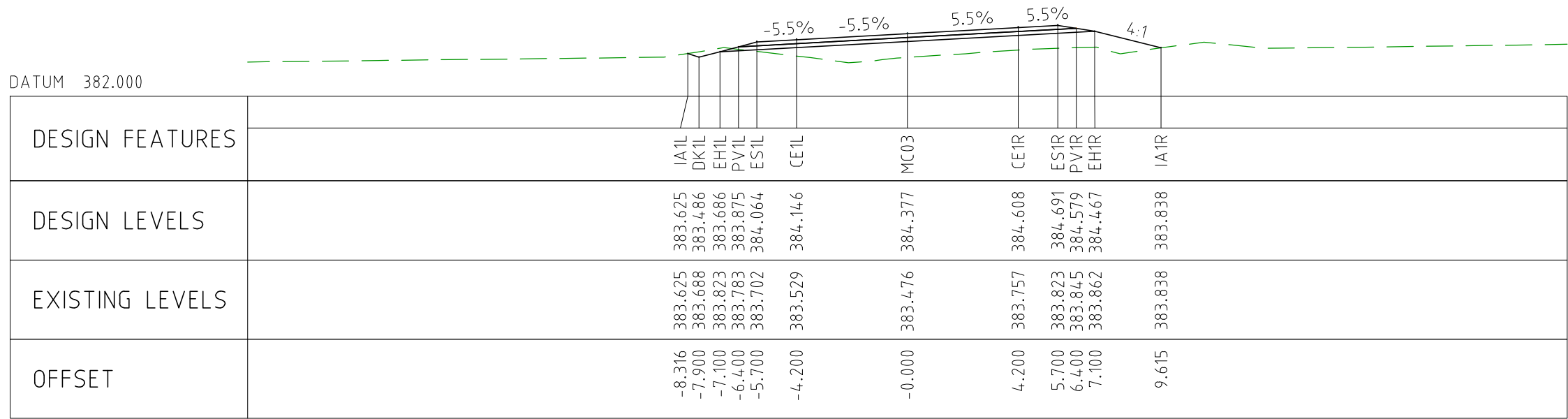
CHAINAGE 60050



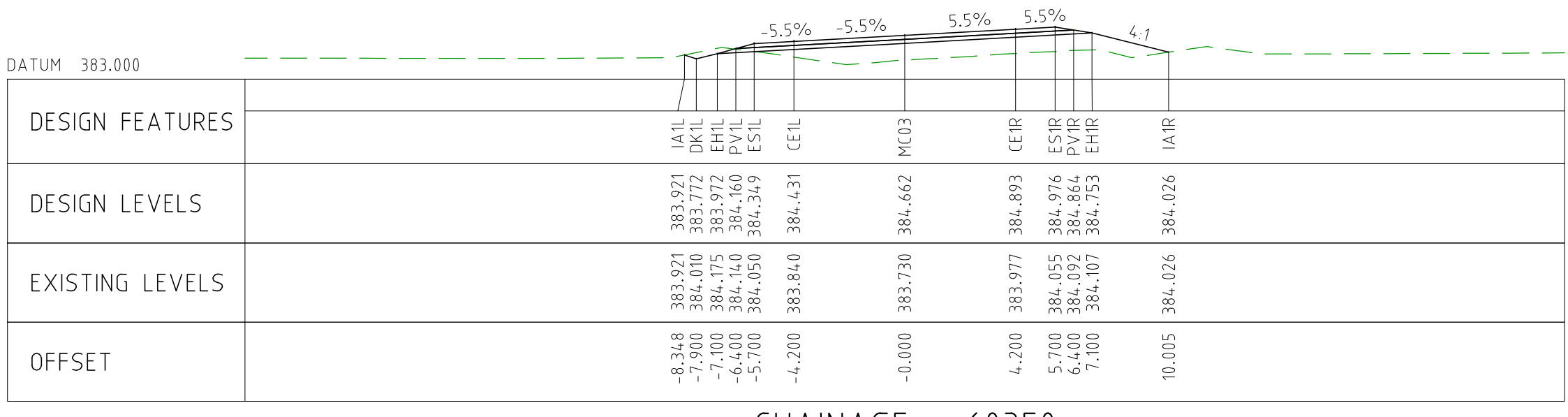
CHAINAGE 60000



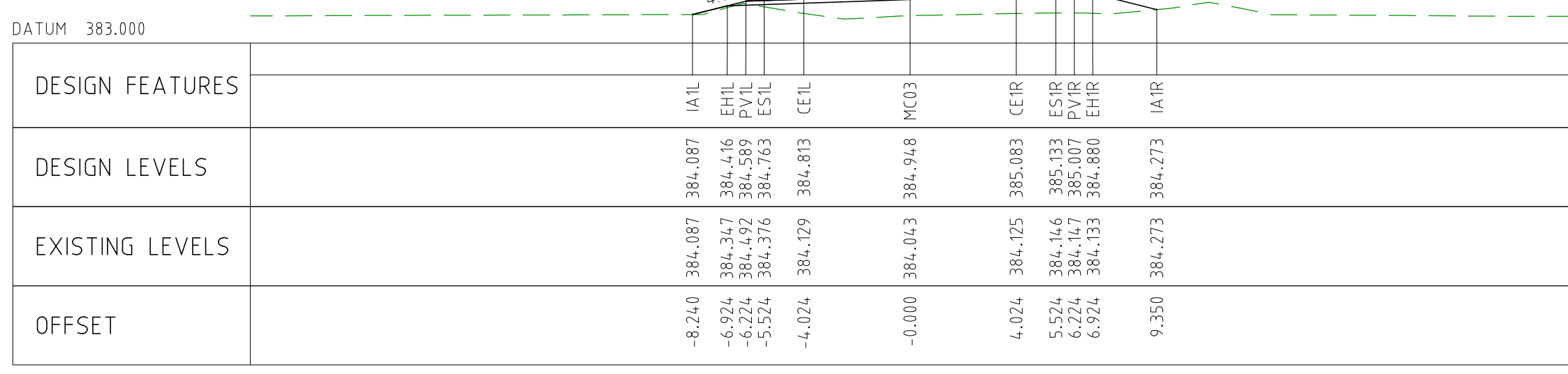
CHAINAGE 60450



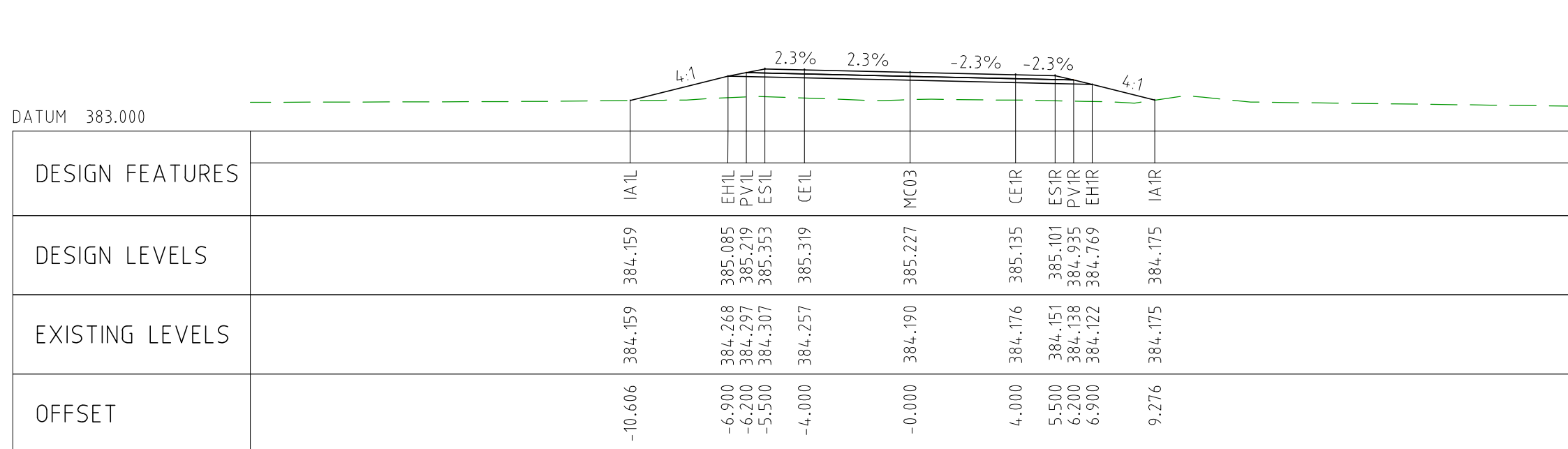
CHAINAGE 60400



CHAINAGE 60350

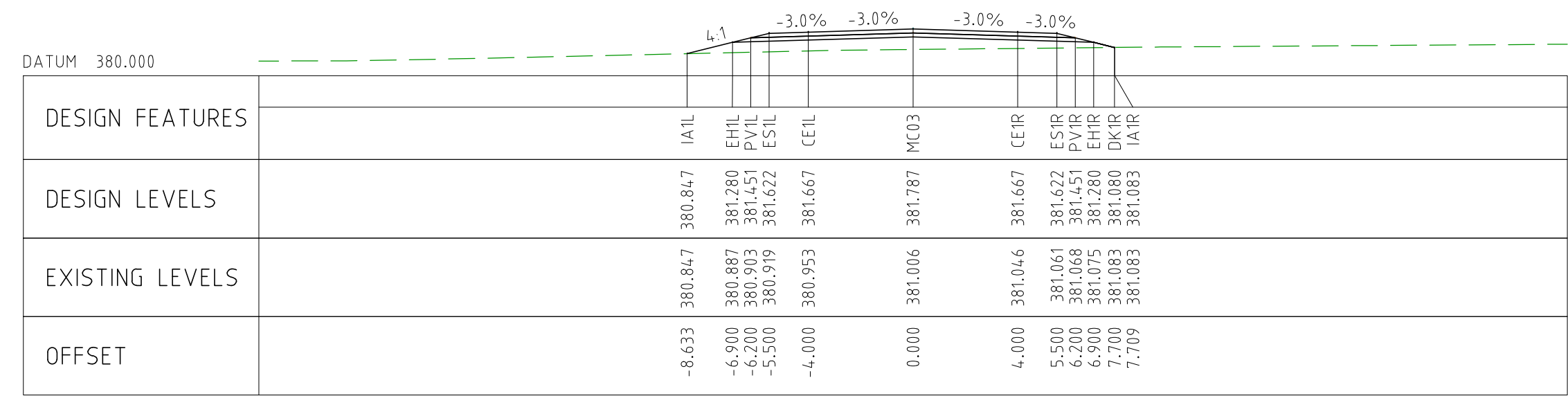


CHAINAGE 60300

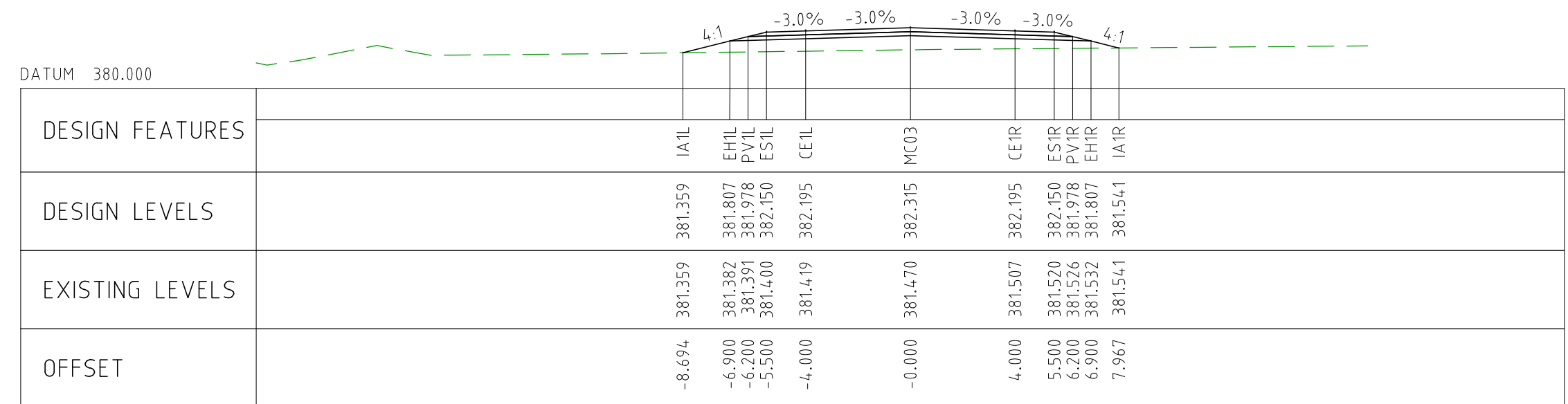


CHAINAGE 60250

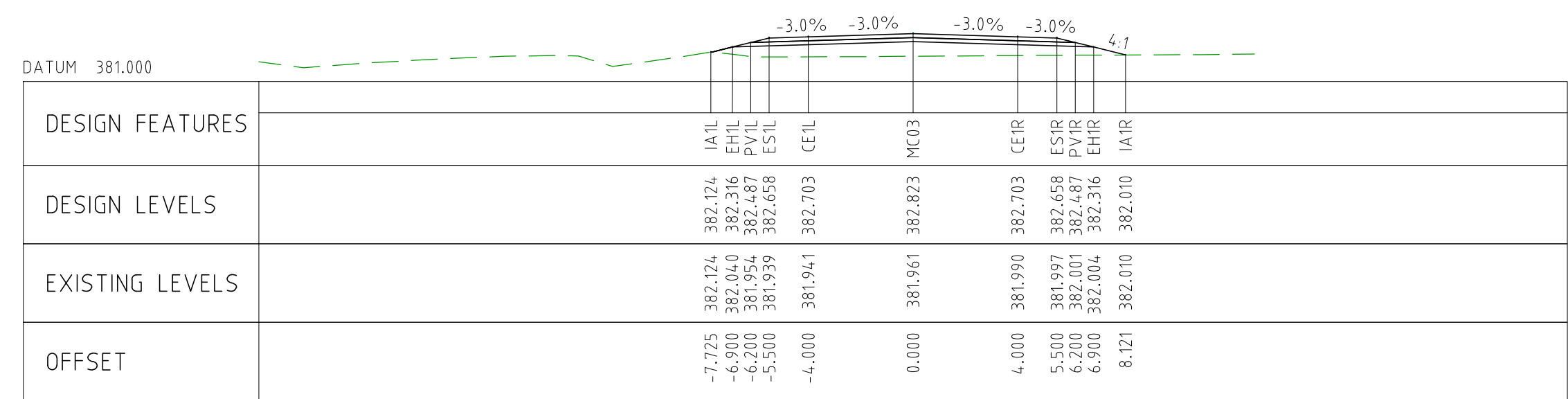
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS89.dwg					PLOT DATE 04 Nov 2022		TIME 16:12:42		CLIENT DOCUMENT No COV-M040-CI-DWG-0201												
EXTERNAL REFERENCE FILES					REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No	APPROVAL		TITLE		NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE	
					0	04.11.22	ISSUED FOR CONSTRUCTION		003	DM	DRAFTER		JW		<div>SCALE 1:200</div> <div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>200</div></div>						



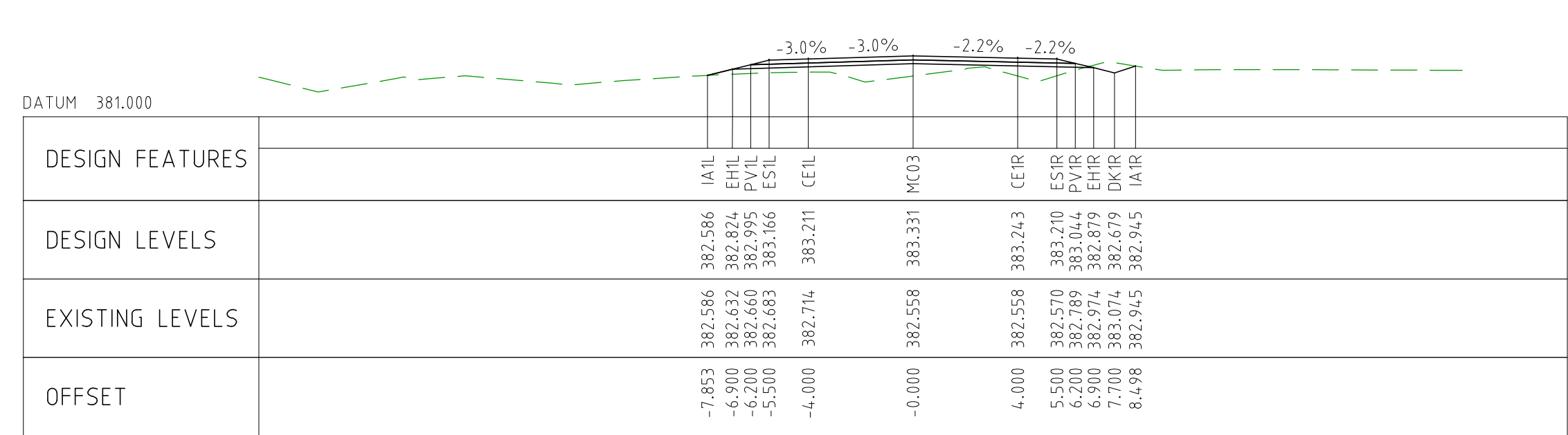
CHAINAGE 60700



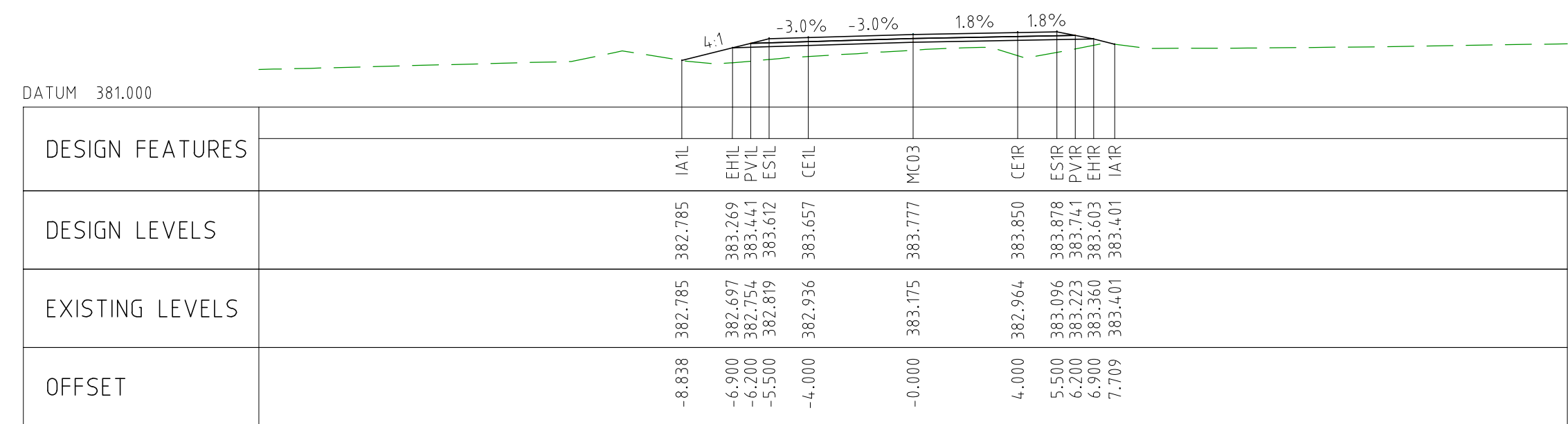
CHAINAGE 60650



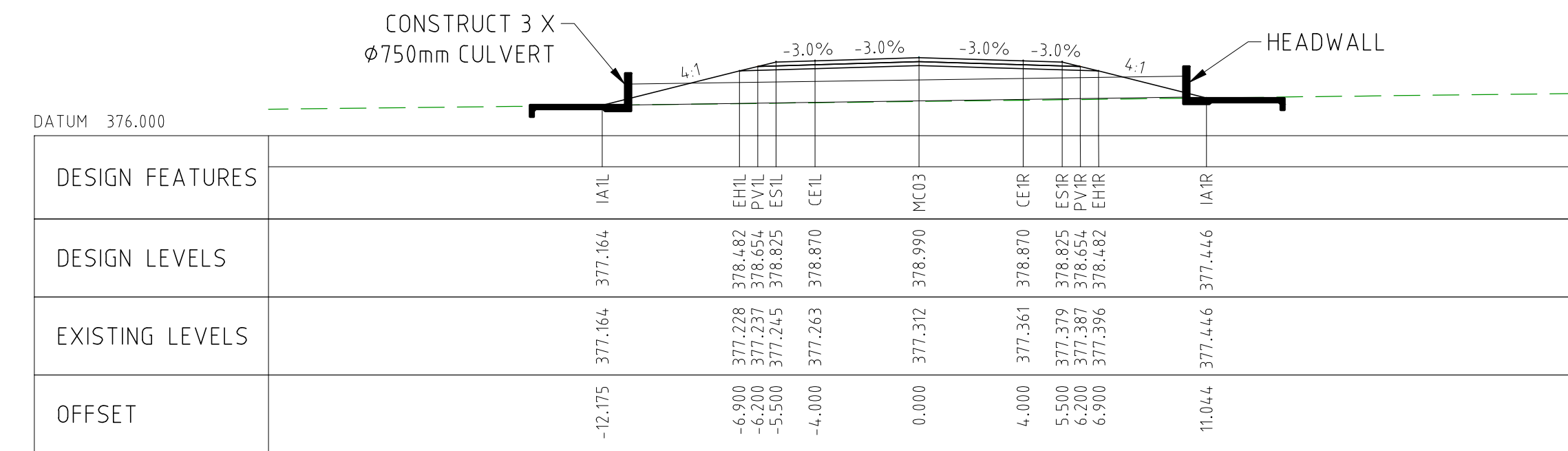
CHAINAGE 60600



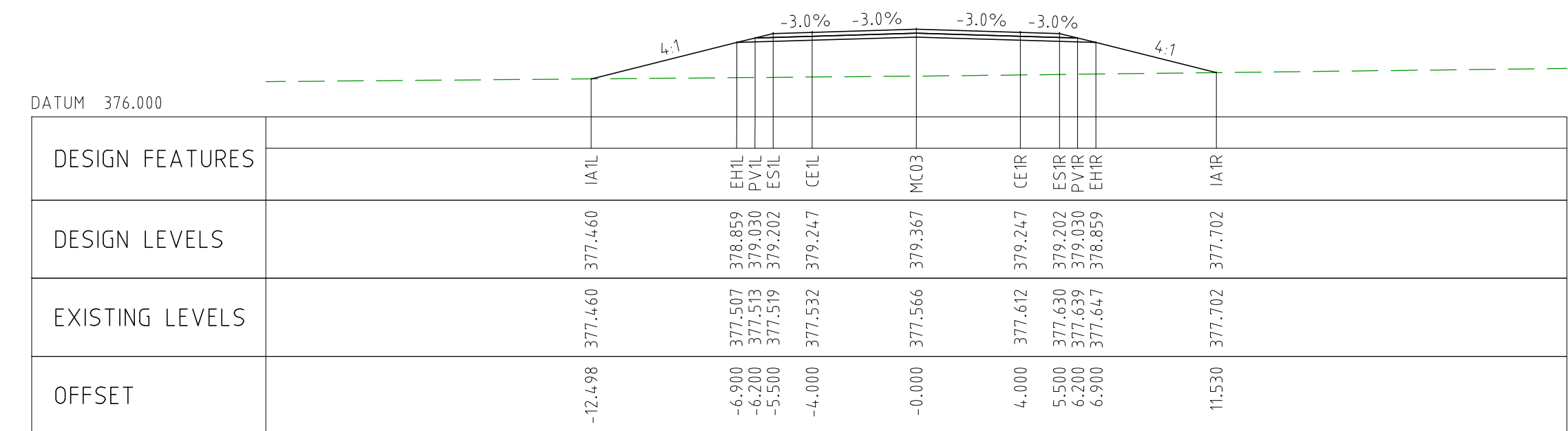
CHAINAGE 60550



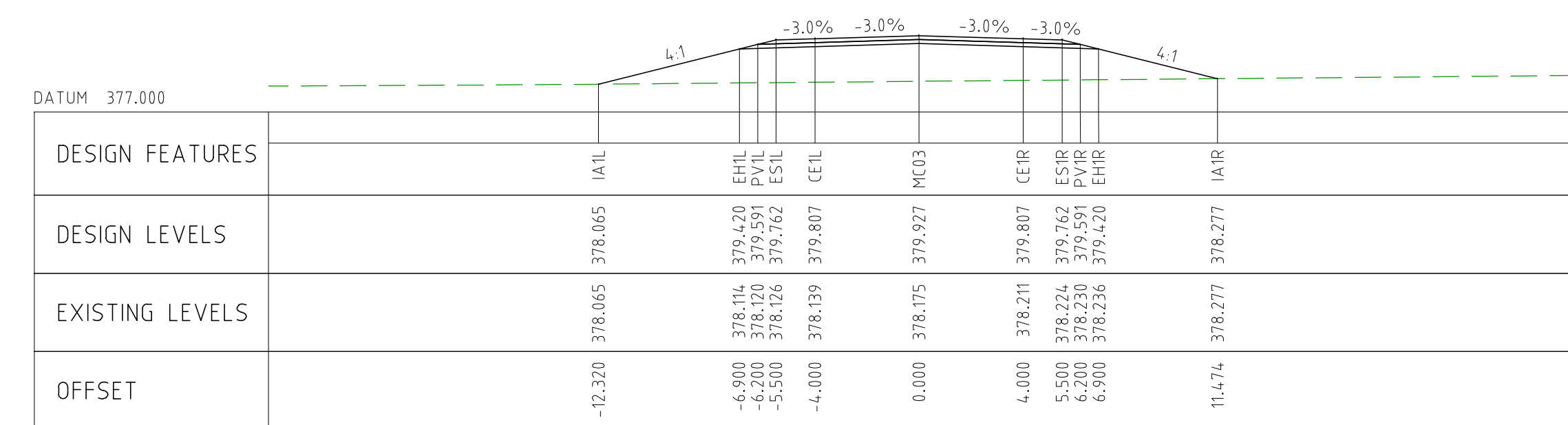
CHAINAGE 60500



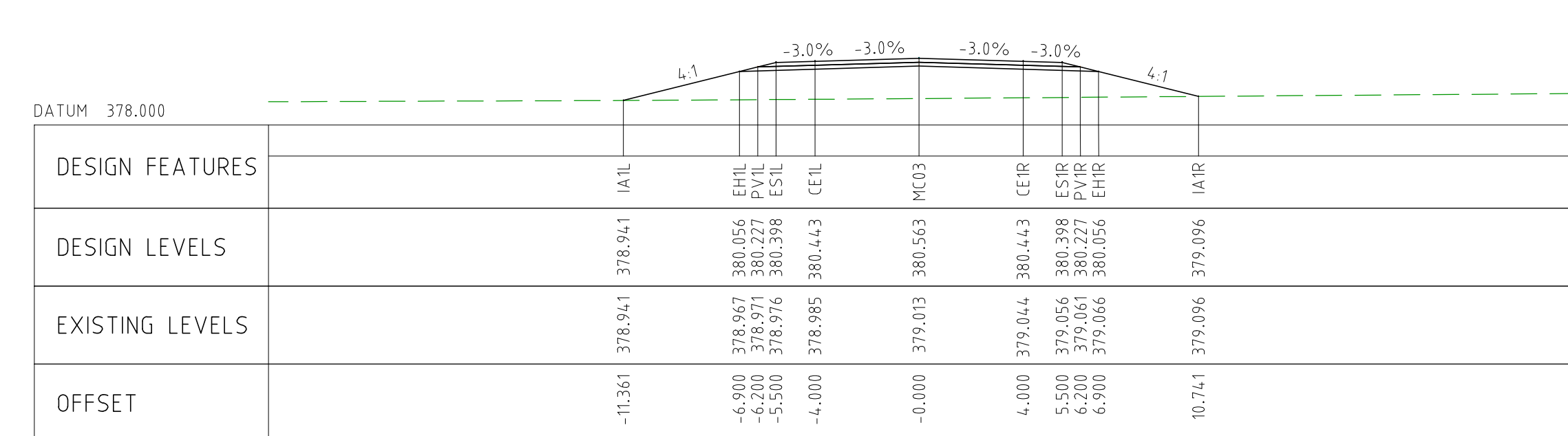
CHAINAGE 60950



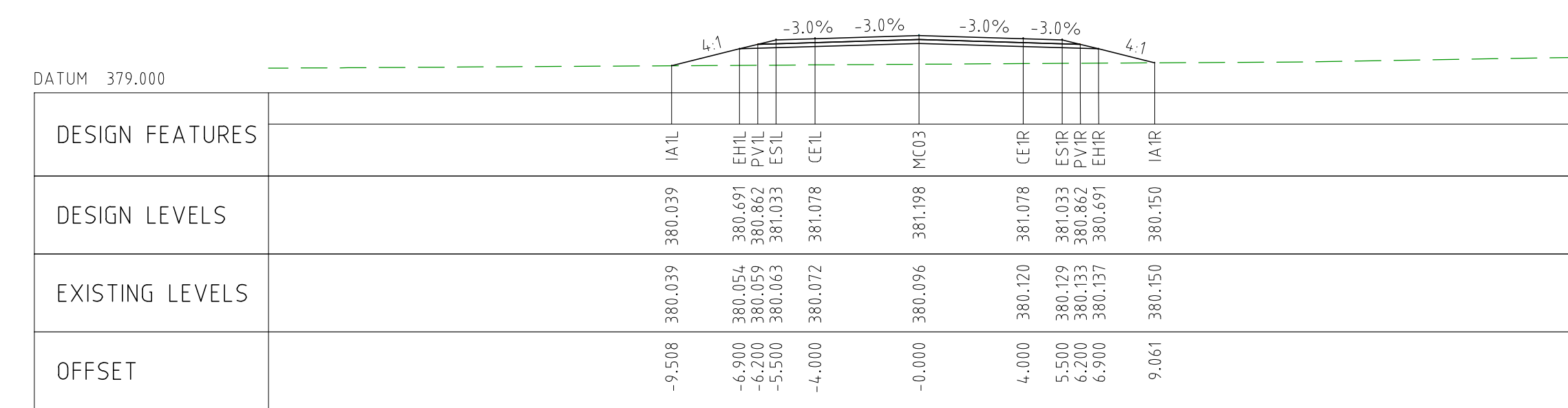
CHAINAGE 60900



CHAINAGE 60850




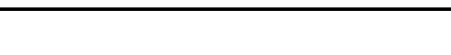

CHAINAGE 60800

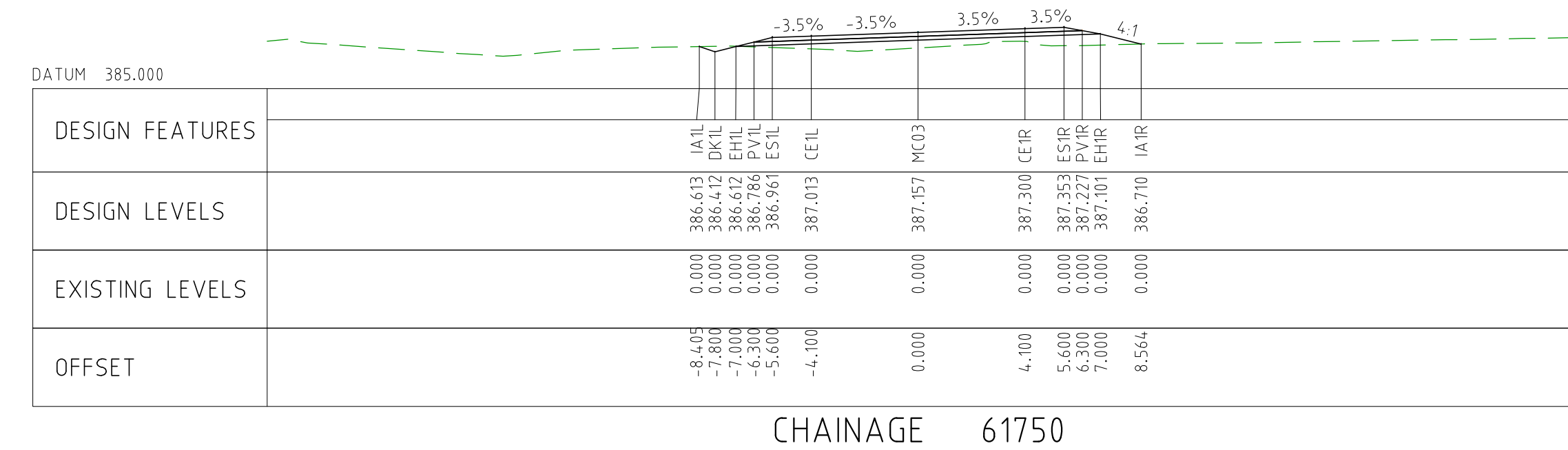
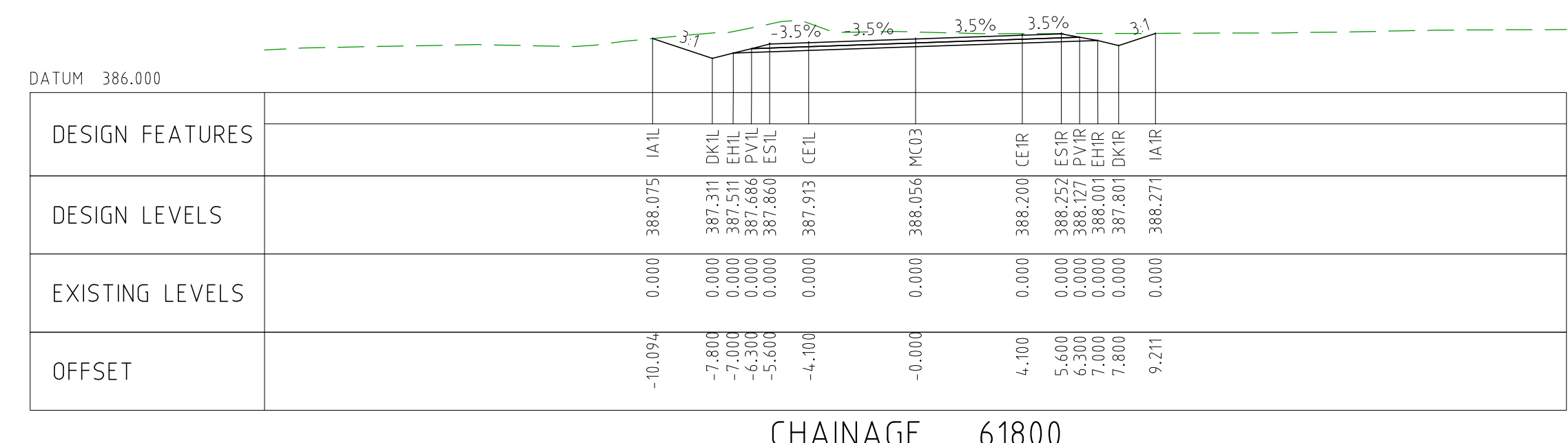
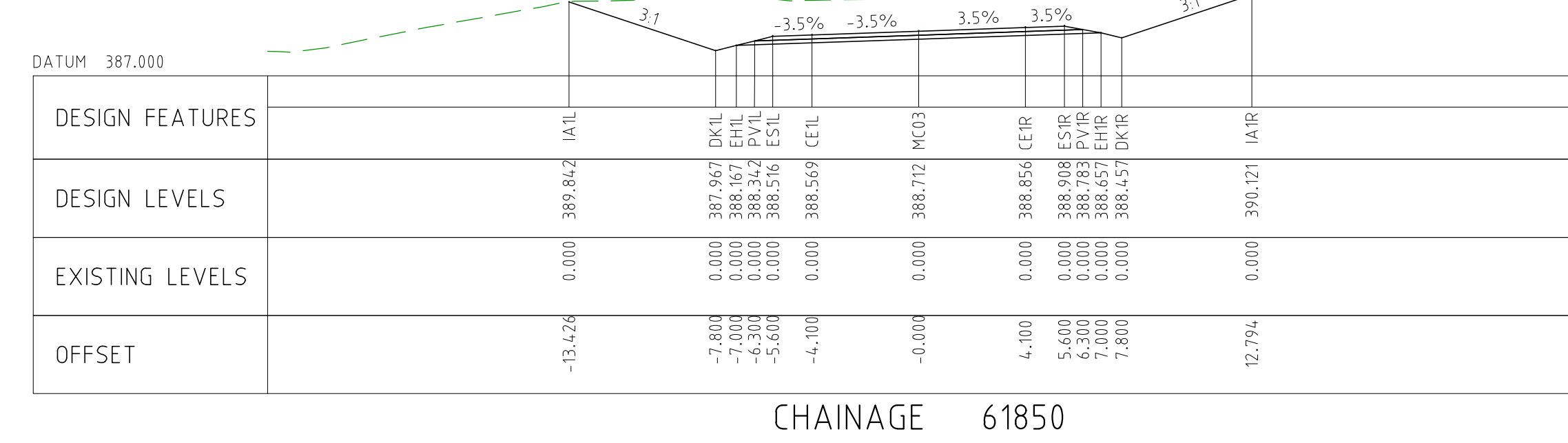
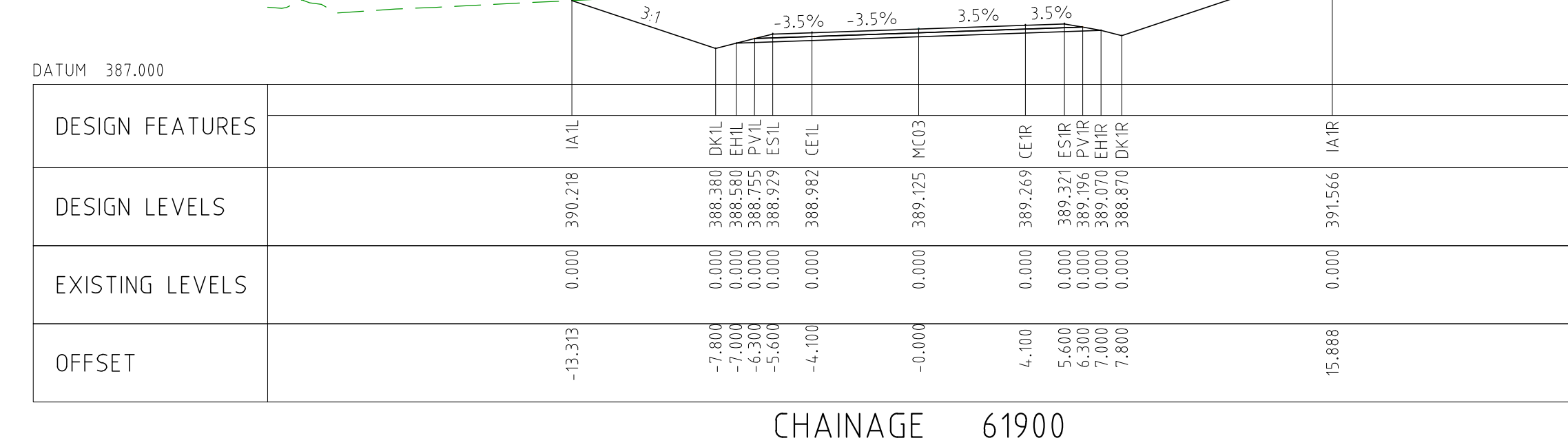
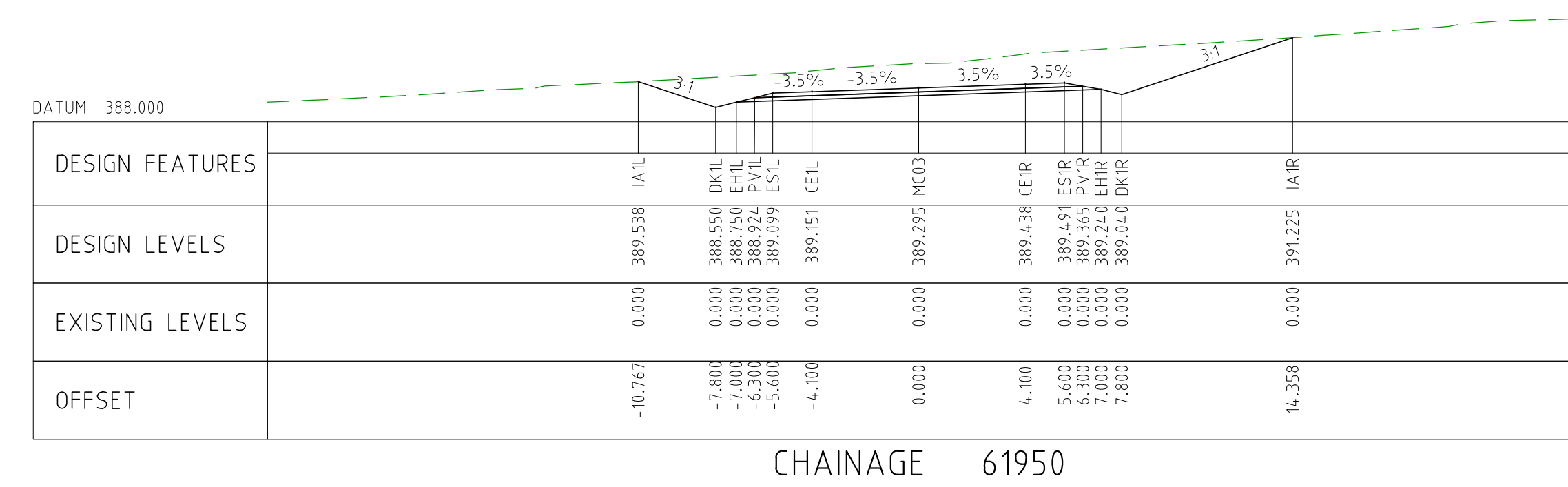



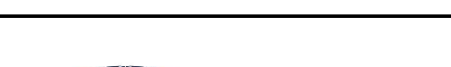

CHAINAGE 60750

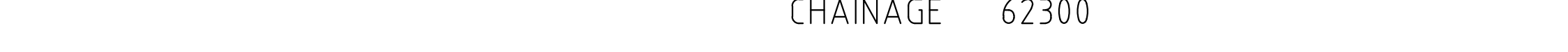
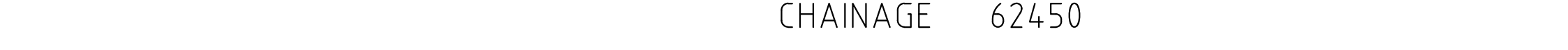
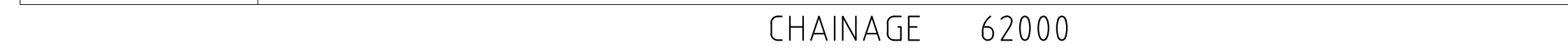
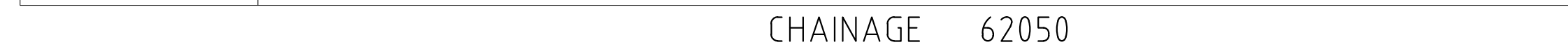
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS90.dwg					PLOT DATE 04 Nov 2022		TIME 16:13:14		CLIENT DOCUMENT No COV-M040-CI-DWG-0202						
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE	
			0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM		DRAFTER	JW	SCALE 1:200 	 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 22 OF 26	
								DRAFTING CHECK	TM						
								DESIGNER	DG						
								DESIGN CHECK	TM						
								PROJECT MANAGER	DM						
								PROJECT DIRECTOR	RI						
			SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS90		REVISION 0						


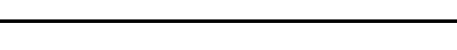



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS91.dwg					PLOT DATE 04 Nov 2022		TIME 16:13:45		CLIENT DOCUMENT No COV-M040-CI-DWG-0203					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT	PROJECT TITLE	
		0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW	SCALE 1:200 		 Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 23 OF 26	
					DRAFTING CHECK	TM								
					DESIGNER	DG								
					DESIGN CHECK	TM								
					PROJECT MANAGER	DM								
					PROJECT DIRECTOR	RJ								
										SCALE 1:200		PHASE DETAILED	PROJECT / DRAWING No 3006493-XS91	REVISION 0


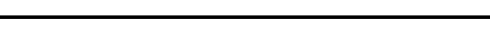



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS92.dwg					PLOT DATE 04 Nov 2022		TIME 16:14:11		CLIENT DOCUMENT No COV-M040-CI-DWG-0204									
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No. 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 			DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 24 OF 26		
							DRAFTER	JW										
							DRAFTING CHECK	TM										
							DESIGNER	DG										
							DESIGN CHECK	TM										
							PROJECT MANAGER	DM										
							PROJECT DIRECTOR	RI										
SCALE		1:200	PHASE	DETAILED	PROJECT / DRAWING No. 3006493-XS92		REVISION 0											



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS93.dwg					PLOT DATE 04 Nov 2022		TIME 16:14:43		CLIENT DOCUMENT No COV-M040-CI-DWG-0205									
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No. 003	APPROVAL DM	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 			DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 25 OF 26		
							DRAFTER	JW										
							DRAFTING CHECK	TM										
							DESIGNER	DC										
							DESIGN CHECK	TM										
							PROJECT MANAGER	DM										
							PROJECT DIRECTOR	RI										
SCALE		1:200	PHASE	DETAILED	PROJECT / DRAWING No. 3006493-XS93		REVISION 0											



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS94.dwg					PLOT DATE 04 Nov 2022		TIME 16:15:14		CLIENT DOCUMENT No COV-M040-CI-DWG-0206																						
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	WVR No 003	APPROVAL DM	<table><tr><th>TITLE</th><th>NAME</th></tr><tr><td>DRAFTER</td><td>JW</td></tr><tr><td>DRAFTING CHECK</td><td>TM</td></tr><tr><td>DESIGNER</td><td>DC</td></tr><tr><td>DESIGN CHECK</td><td>TM</td></tr><tr><td>PROJECT MANAGER</td><td>DM</td></tr><tr><td>PROJECT DIRECTOR</td><td>RI</td></tr></table>		TITLE	NAME	DRAFTER	JW	DRAFTING CHECK	TM	DESIGNER	DC	DESIGN CHECK	TM	PROJECT MANAGER	DM	PROJECT DIRECTOR	RI	SCALES AT A1 SIZE DRAWING SCALE 1:200 		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD CROSS SECTIONS - MC03 SHEET 26 OF 26		
TITLE	NAME																														
DRAFTER	JW																														
DRAFTING CHECK	TM																														
DESIGNER	DC																														
DESIGN CHECK	TM																														
PROJECT MANAGER	DM																														
PROJECT DIRECTOR	RI																														
										SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS94		REVISION 0															

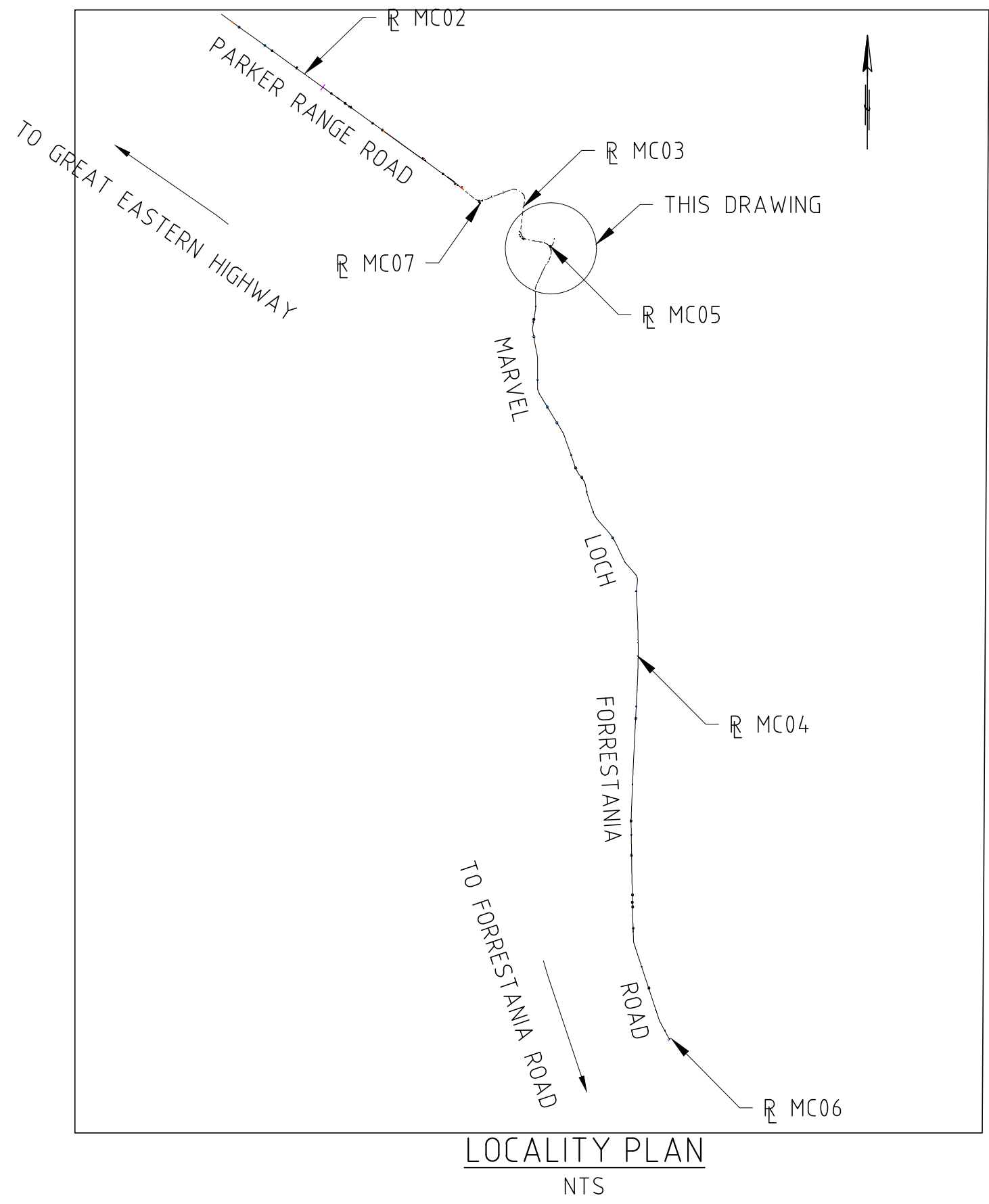
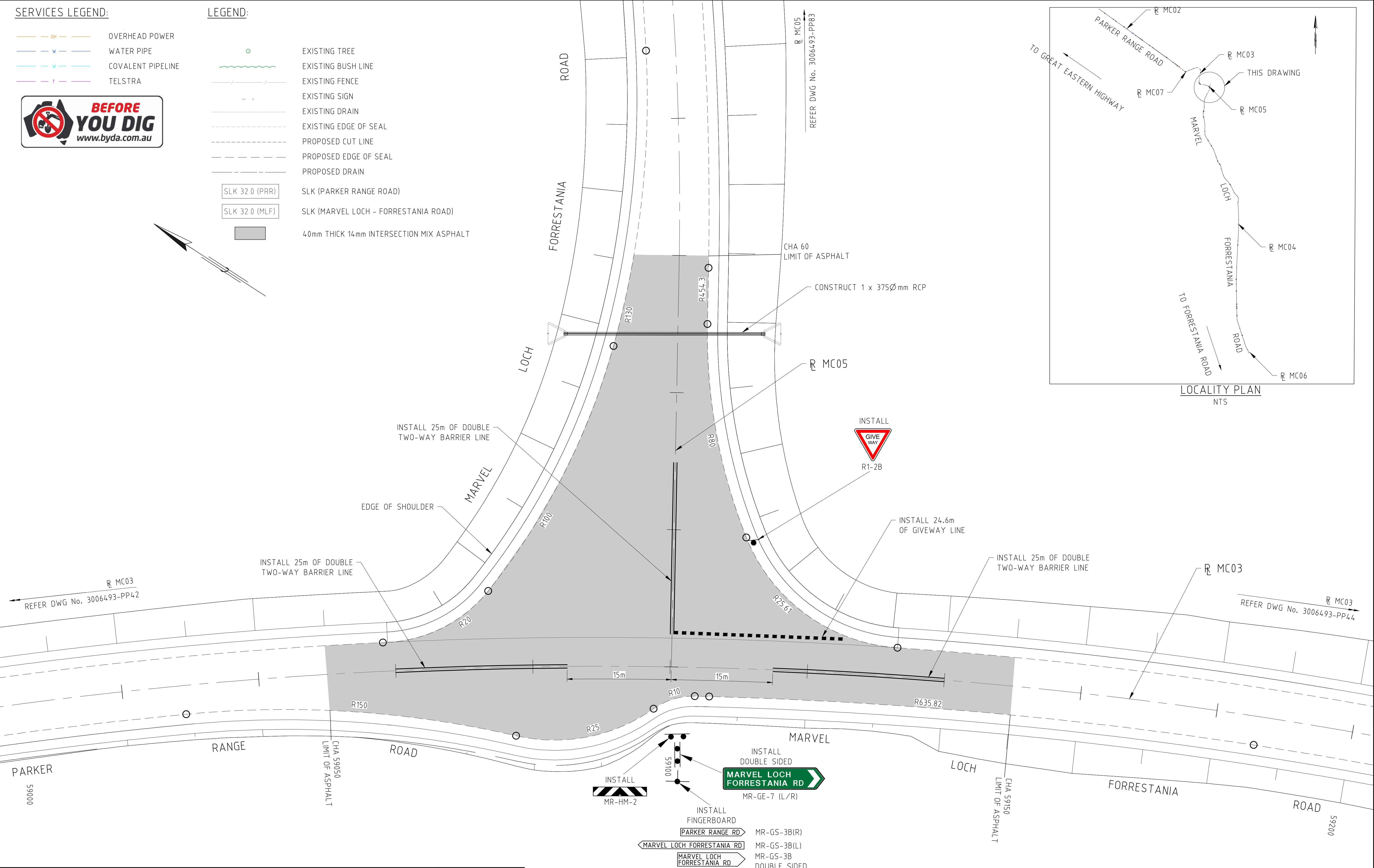
SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA



LEGEND:

- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- 40mm THICK 14mm INTERSECTION MIX ASPHALT



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-LA01.dwg				PLOT DATE 07 Nov 2022		TIME 14:23:26		CLIENT DOCUMENT No COV-M040-CI-DWG-0110			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD INTERSECTION LAYOUT PLAN - MC05 SHEET 1 OF 1			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW				
	0	0		0		DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM	SCALE 1:250			
						PROJECT DIRECTOR	R1	PHASE DETAILED			
								PROJECT / DRAWING No 3006493-LA01			
								REVISION 0			

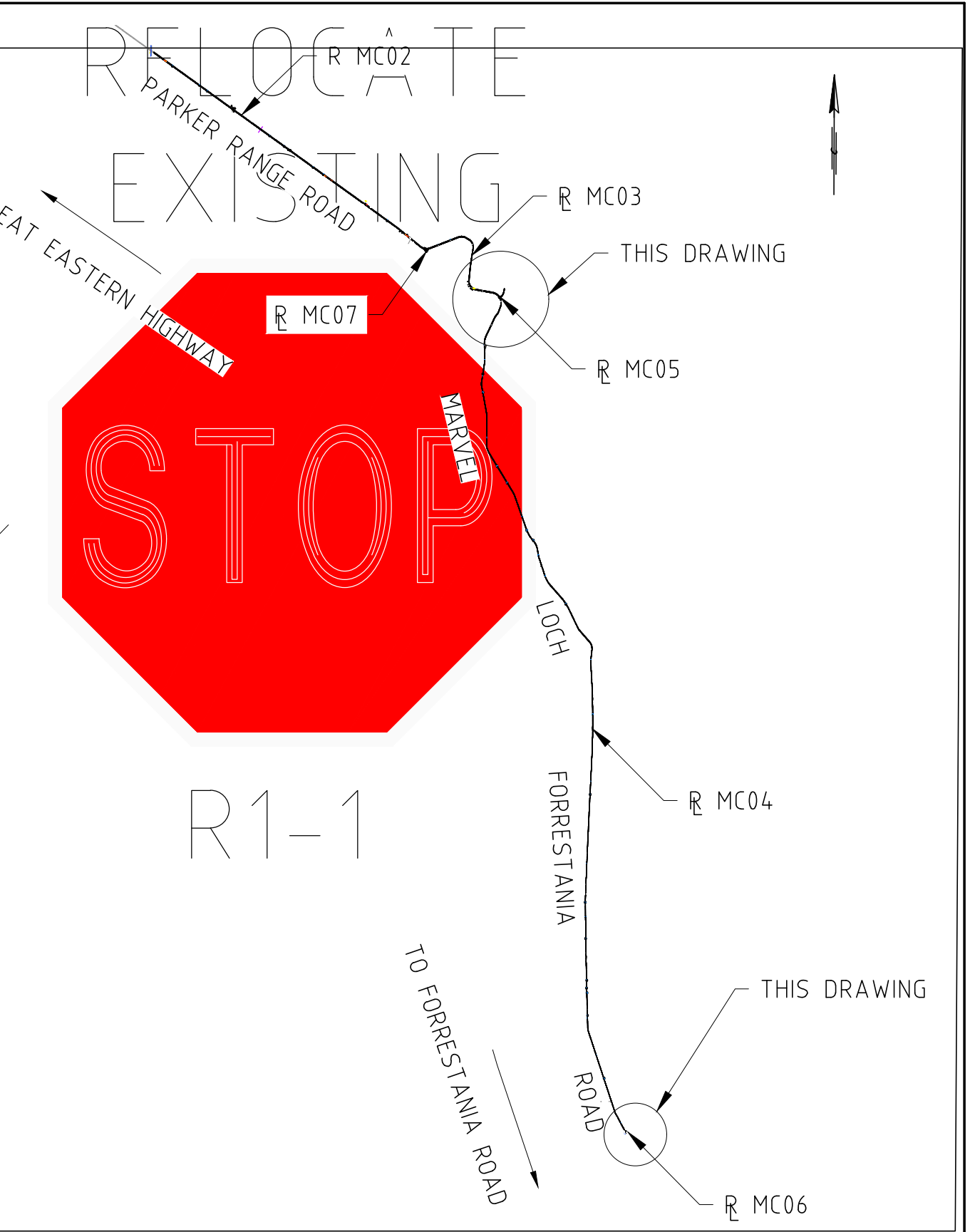
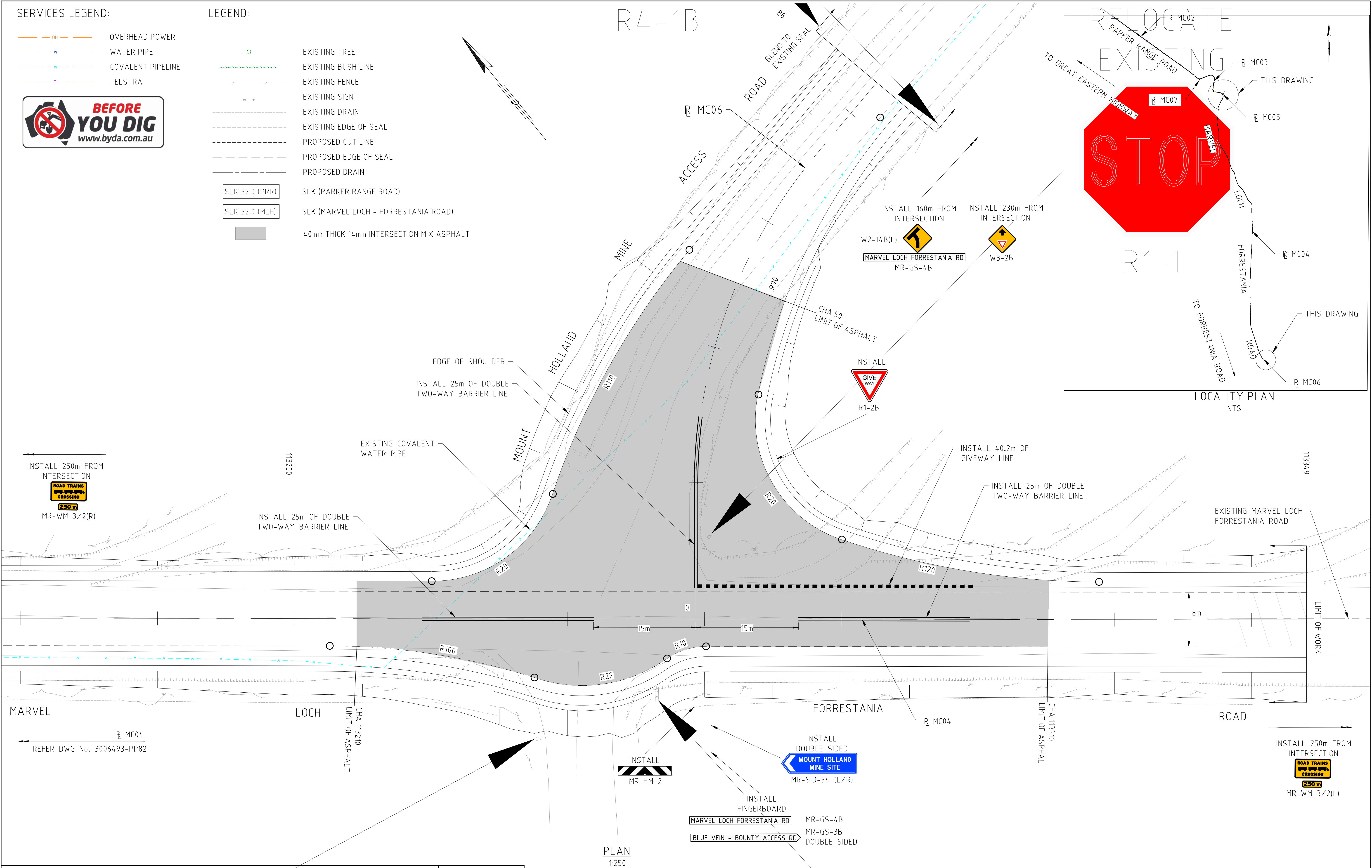
SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA

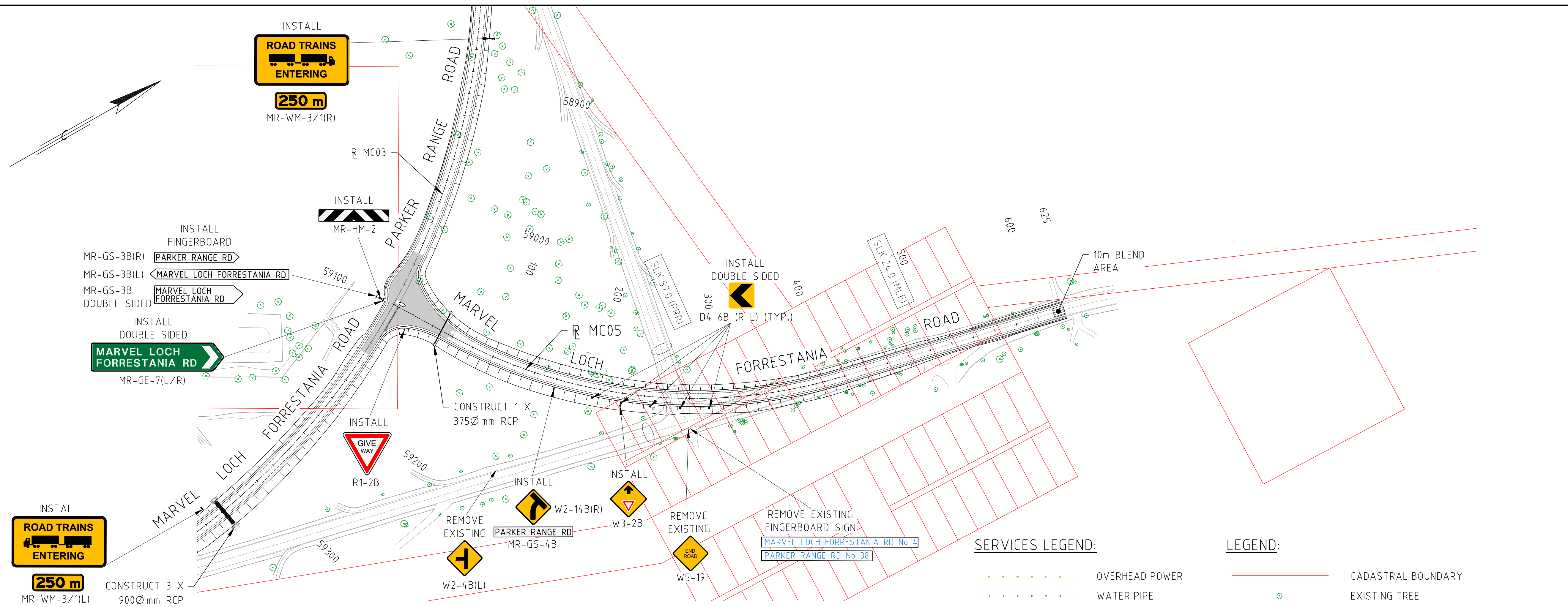


LEGEND:

- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- 40mm THICK 14mm INTERSECTION MIX ASPHALT



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-LA02.dwg				PLOT DATE 07 Nov 2022		TIME 14:25:10		CLIENT DOCUMENT No COV-M040-CI-DWG-0111			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH-FORRESTER ROAD INTERSECTION LAYOUT PLAN - MC06 SHEET 1 OF 1			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	DM				
	0	0		0		DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RI	SCALE 1:250			
								PHASE DETAILED		PROJECT / DRAWING No 3006493-LA02	
										REVISION 0	

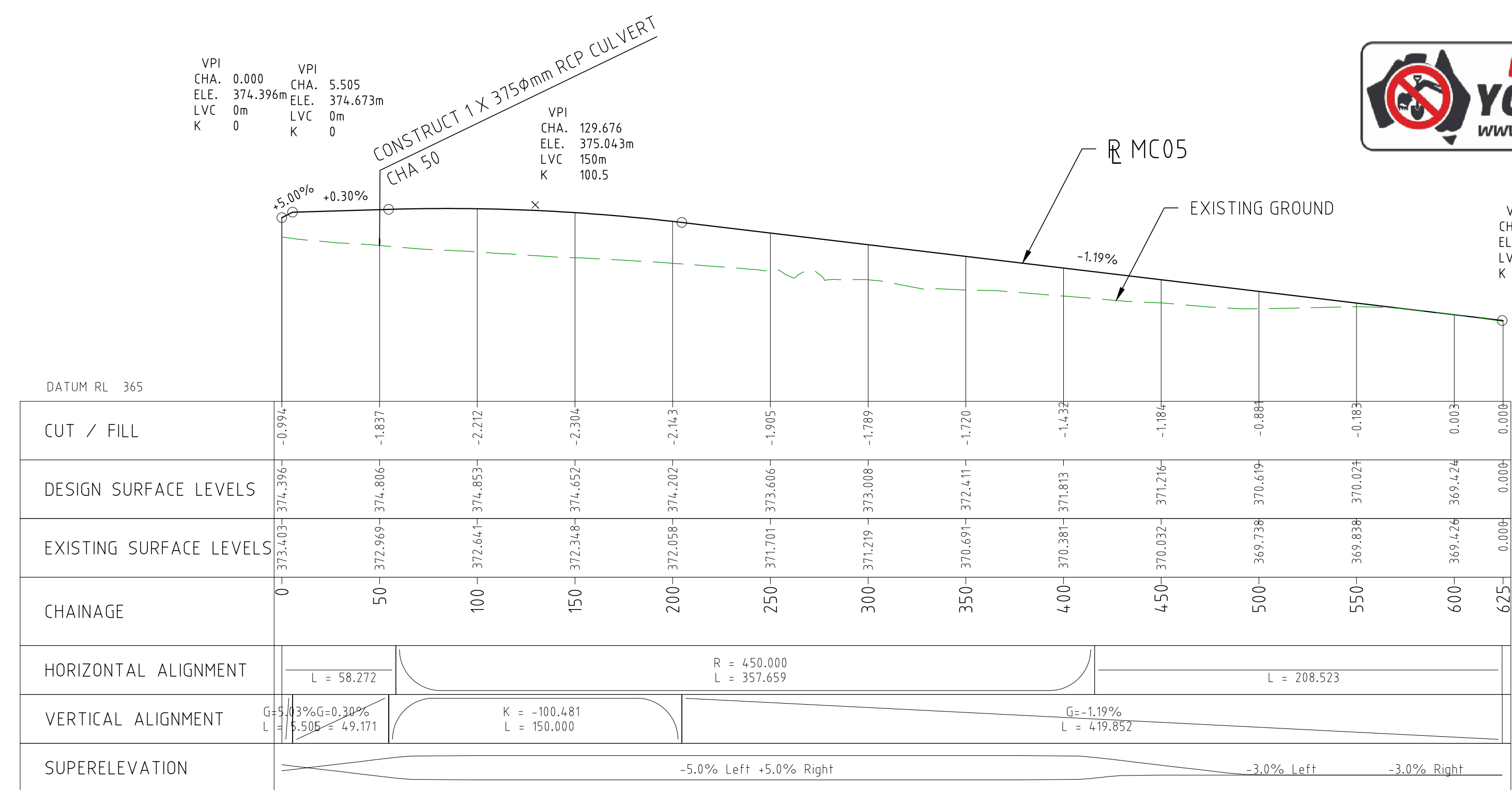


SERVICES LEGEND:

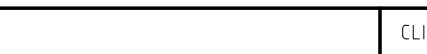

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

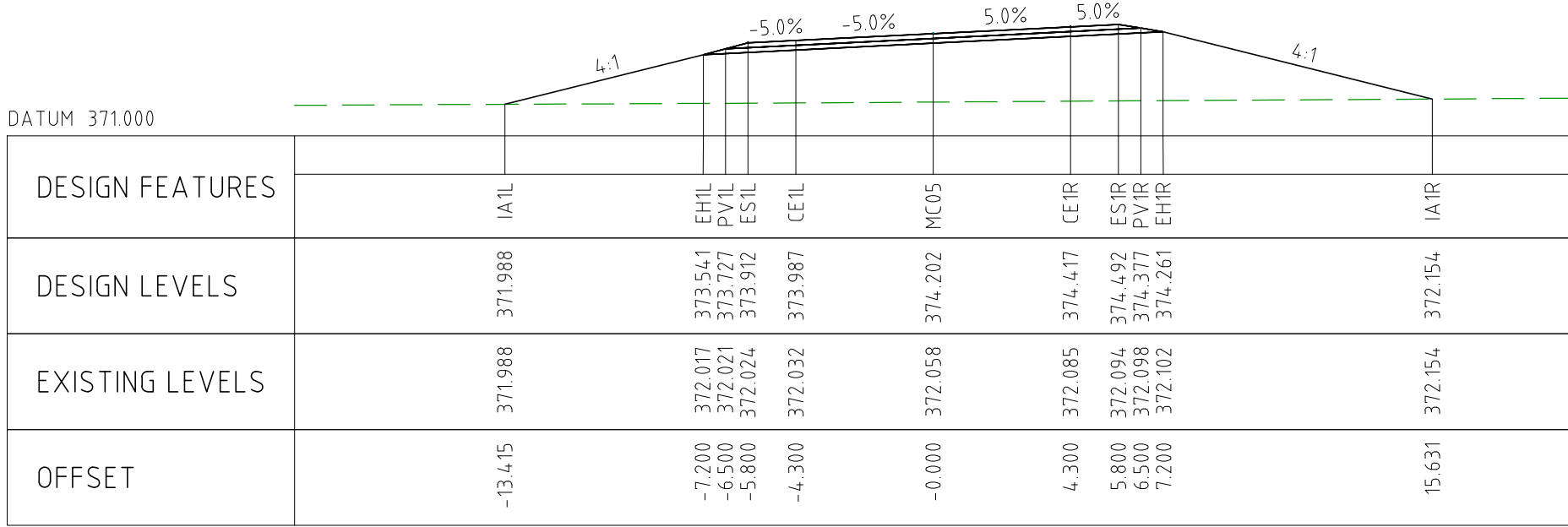
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)
- 40mm THICK 14mm INTERSECTION MIX ASPHALT
- CONSTRUCT LOOSE EARTH BARRIER 10m LONG X 1m HIGH TO PREVENT VEHICLE USE

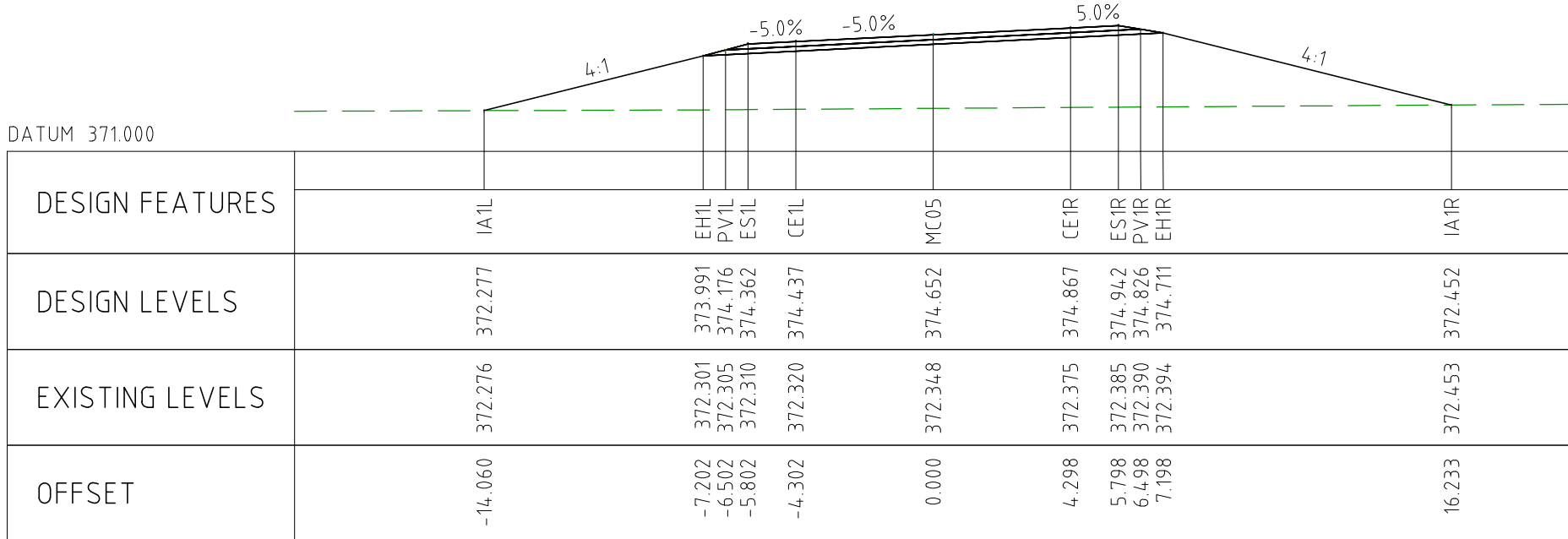


PROFILE HORIZONTAL 1:2000
VERTICAL 1:200

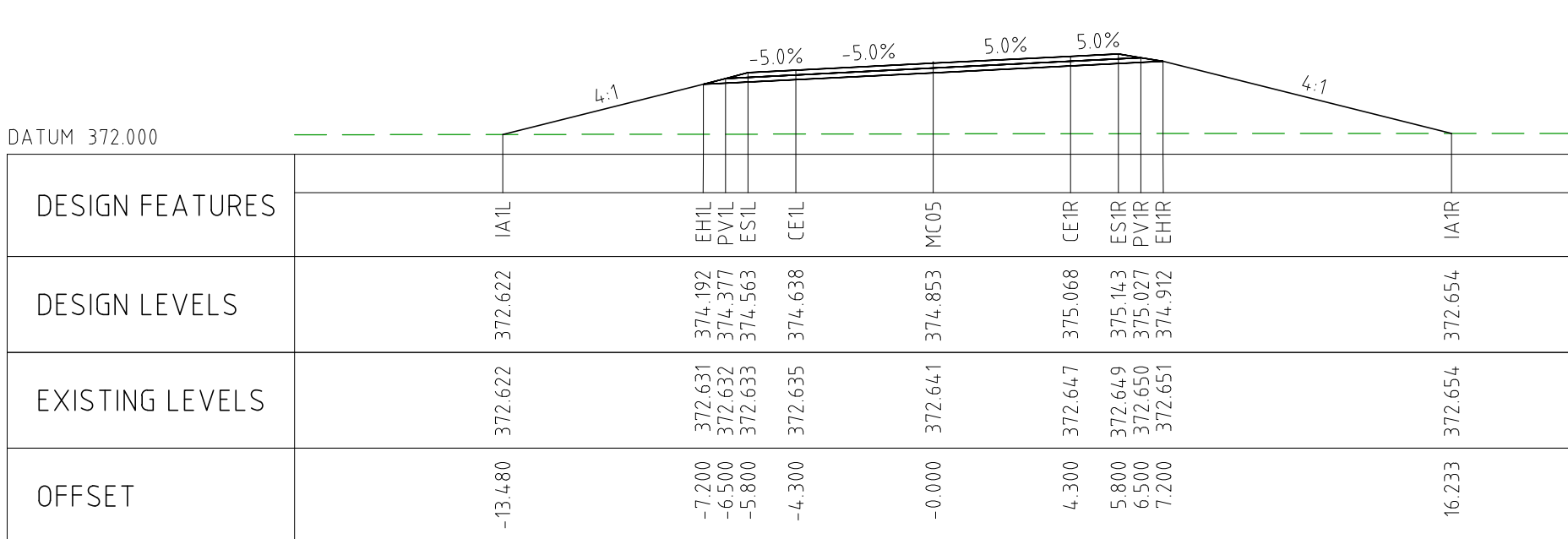
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP83.dwg				PLOT DATE 07 Nov 2022		TIME 08:33:22		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0108											
EXTERNAL REFERENCE FILES				REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE DRAFTER DRAFTING CHECK DESIGNER DESIGN CHECK PROJECT MANAGER PROJECT DIRECTOR	NAME JW TM DG TM DM RI	SCALES AT A1 SIZE DRAWING SCALE 1:2000 SCALE 1:200		DESIGNER  Member of the Surbana Jurong Group © ABN 47 065 475 149 SMEC PROJECT No 3006493		CLIENT 		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD INTERSECTION PLAN AND PROFILE - MC05 CHA 0 TO CHA 625					
																SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP83		REVISION 0	



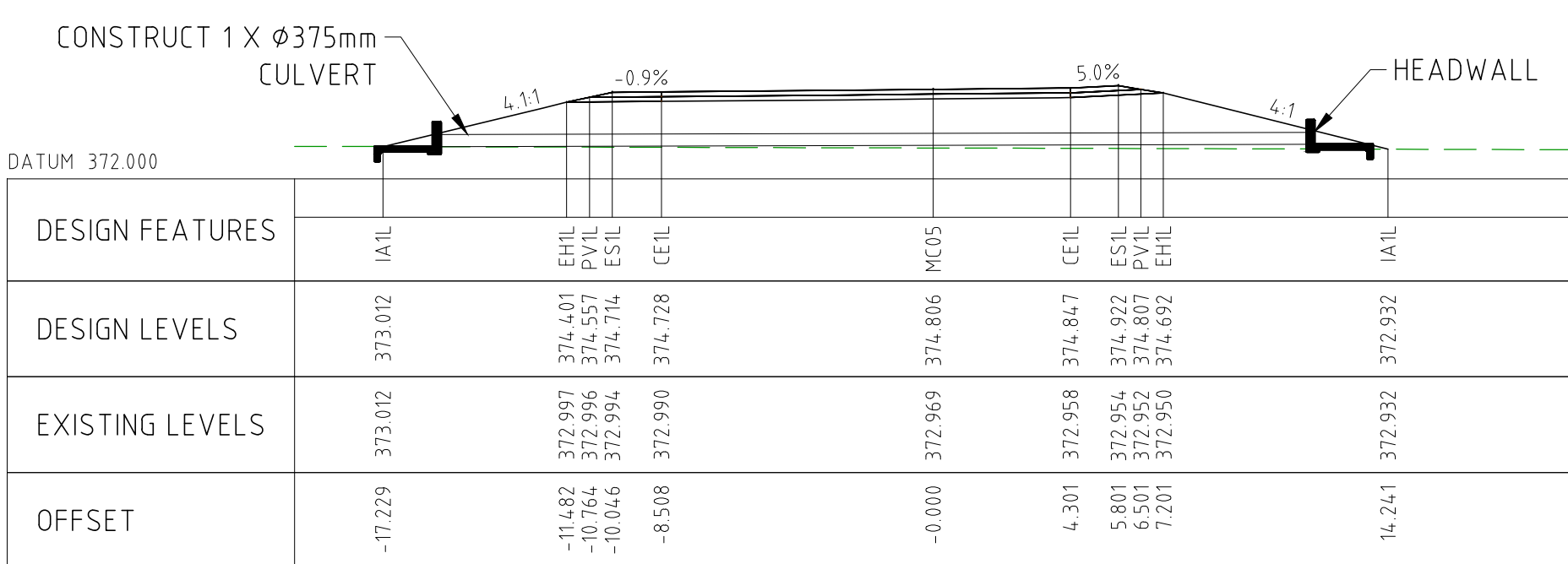
CHAINAGE 200



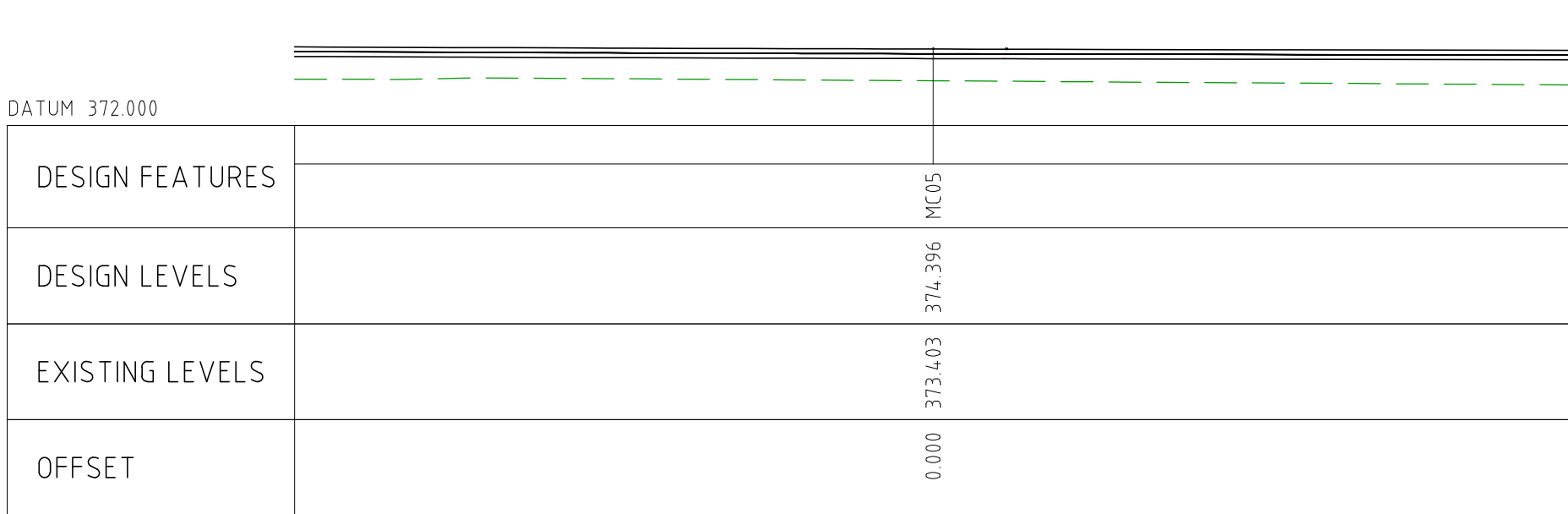
CHAINAGE 150



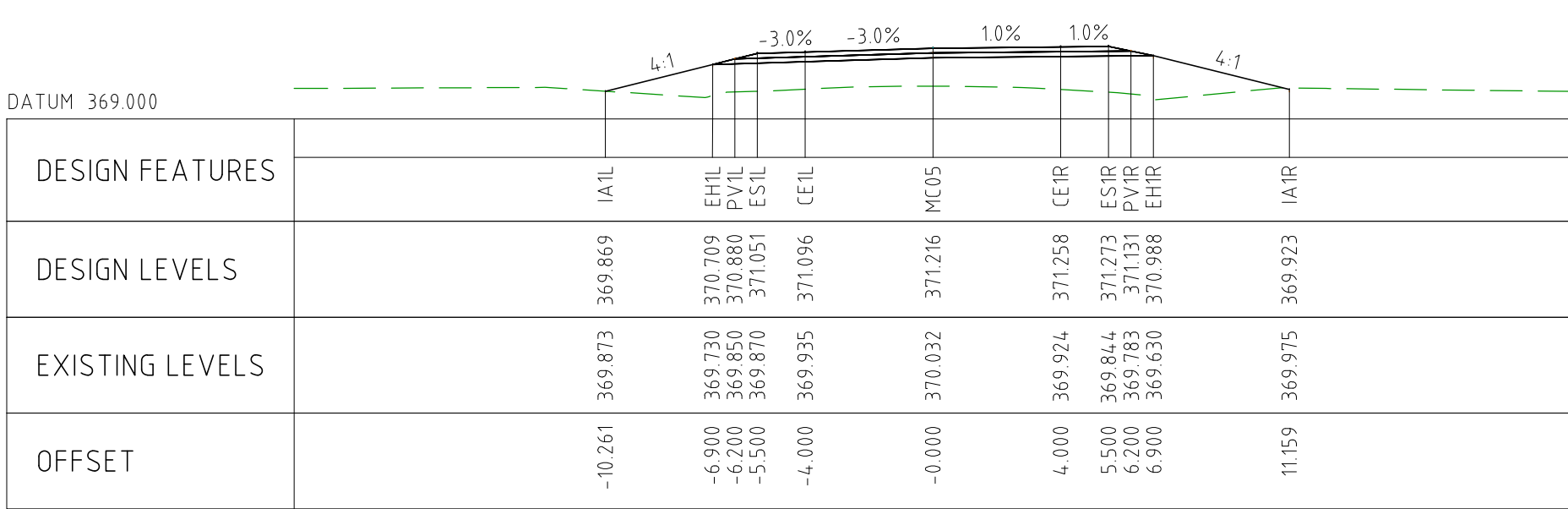
CHAINAGE 100



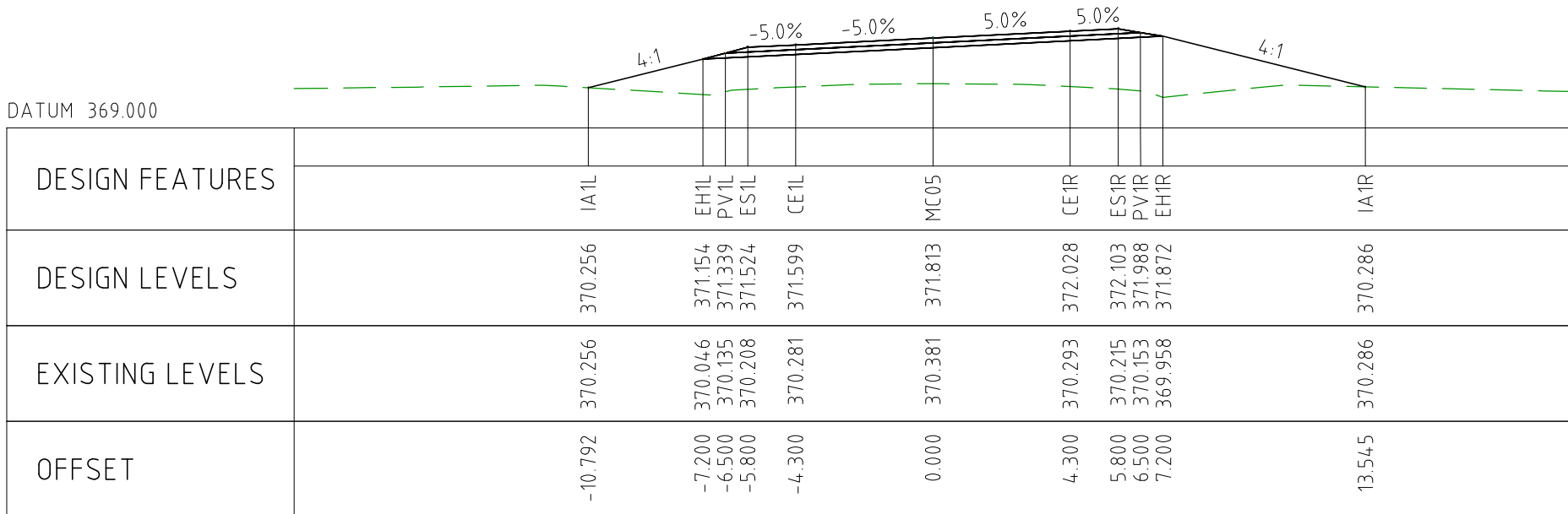
CHAINAGE 50



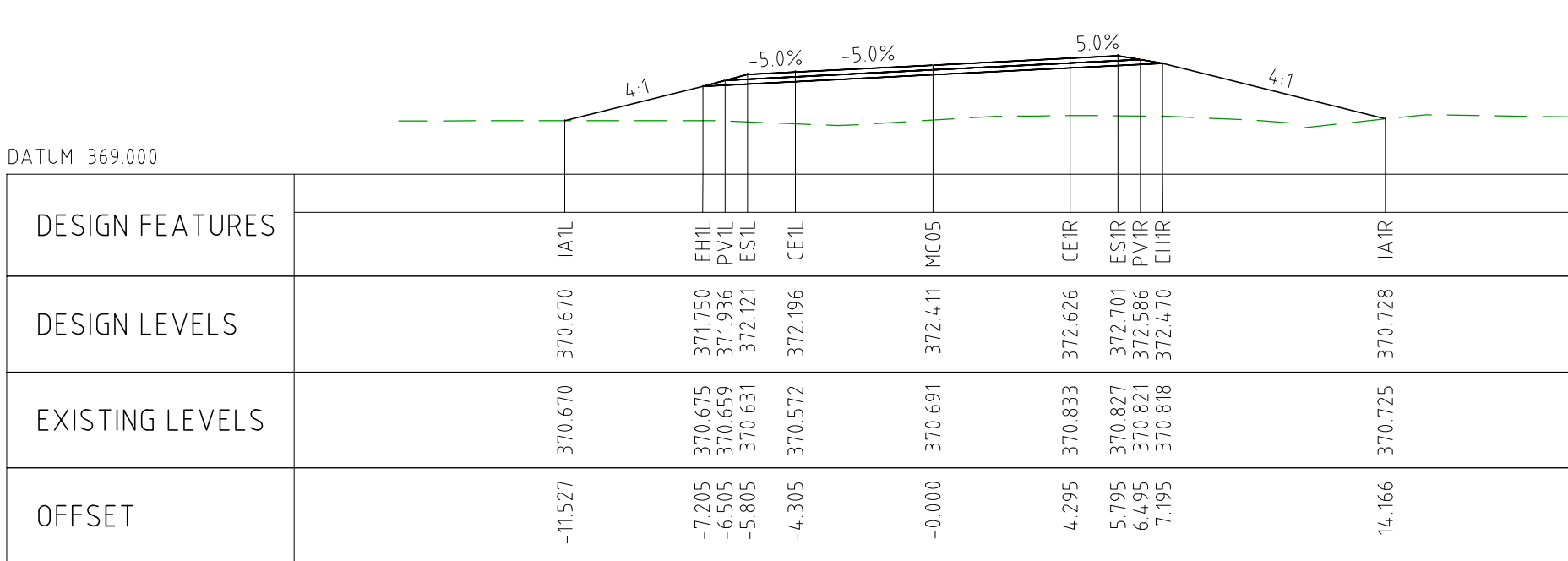
CHAINAGE 0



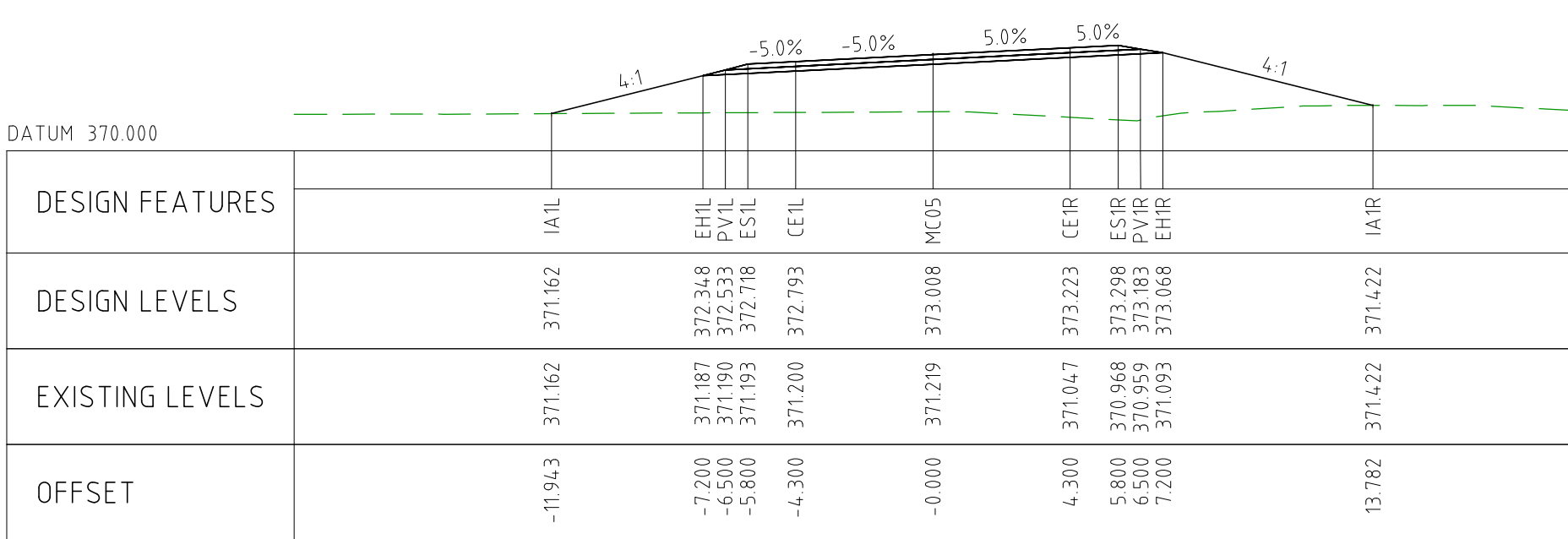
CHAINAGE 450



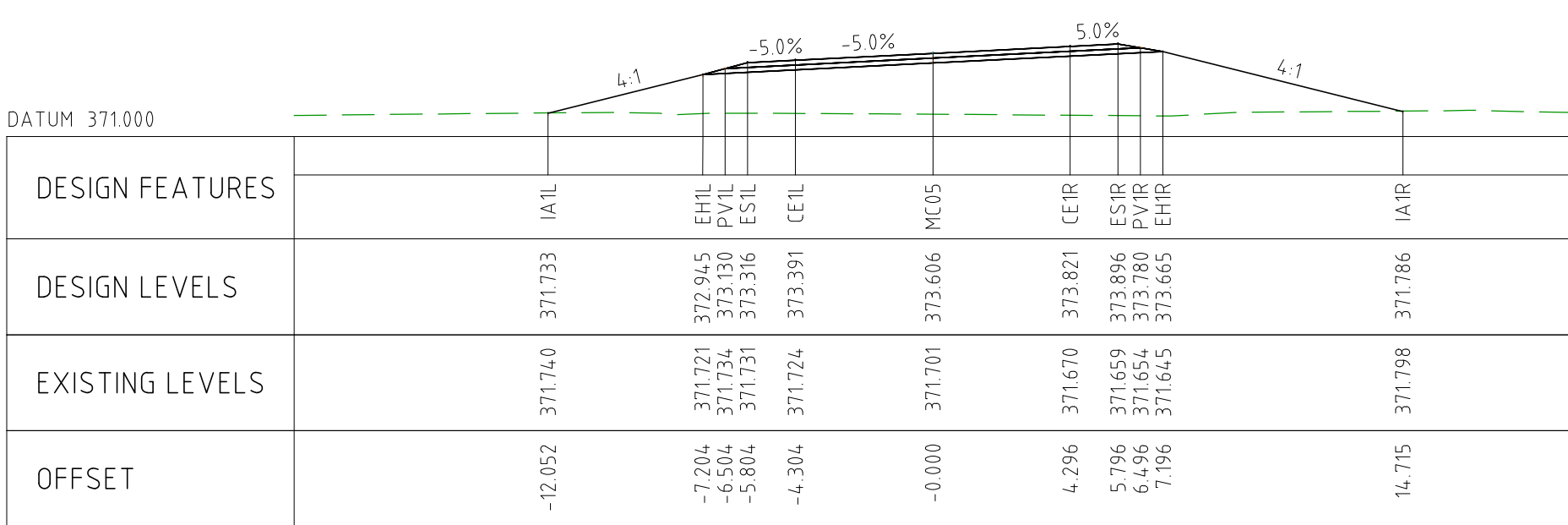
CHAINAGE 400



CHAINAGE 350



CHAINAGE 300



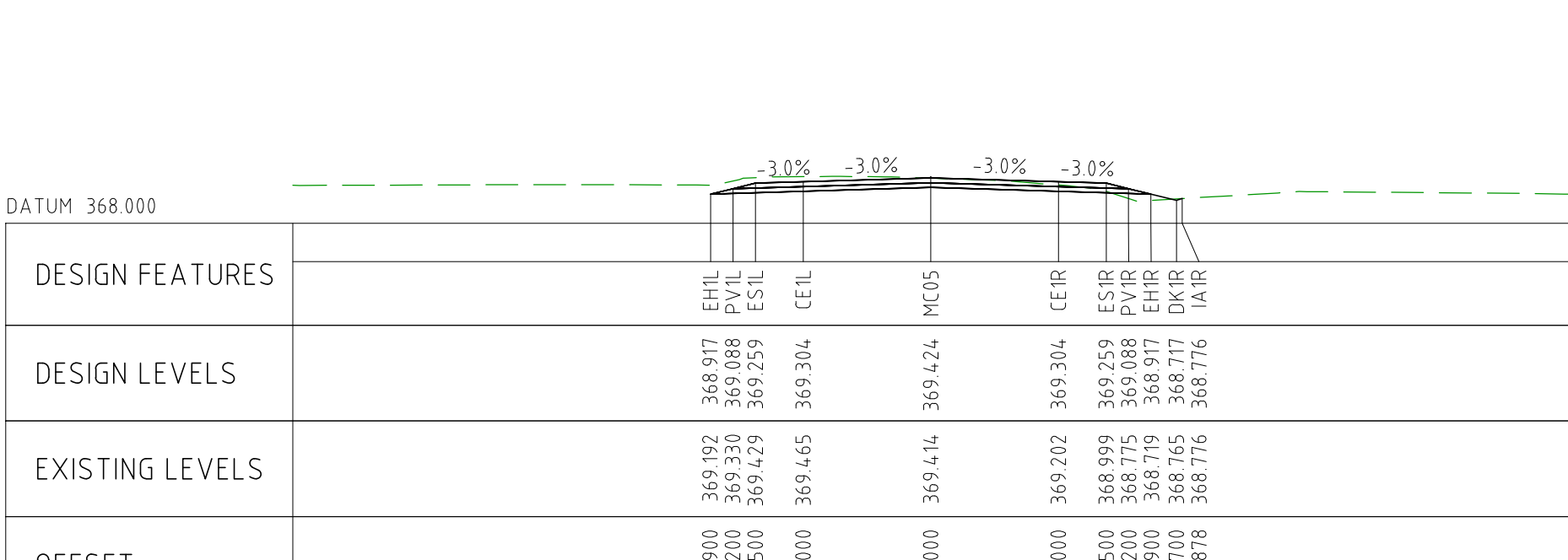
CHAINAGE 250



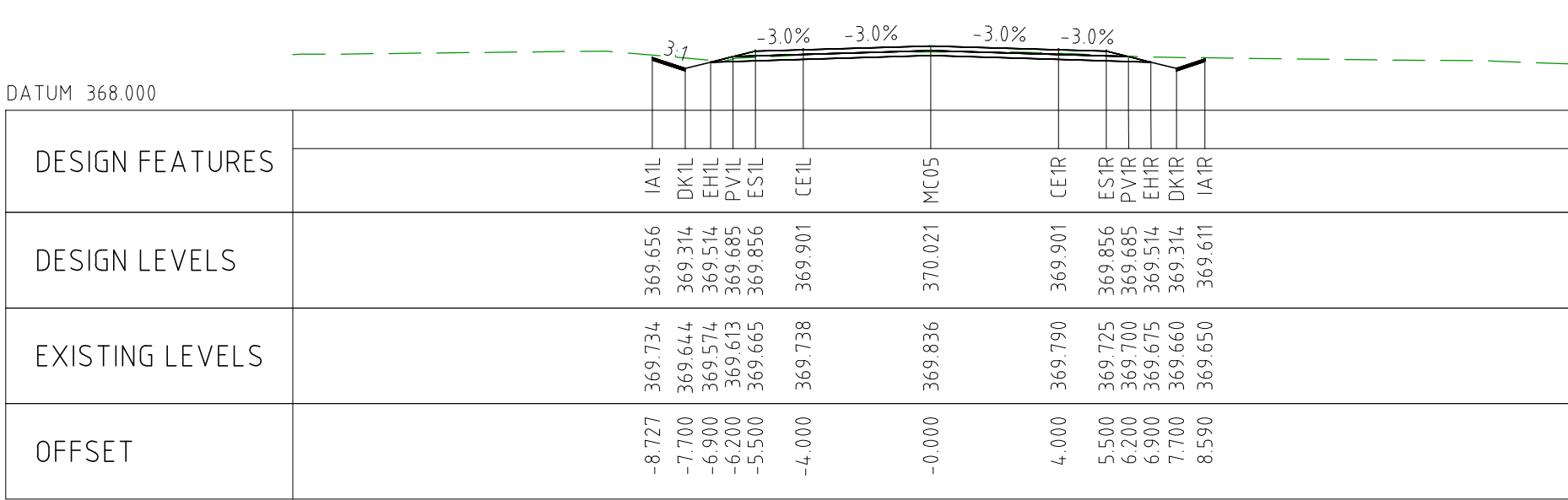
CHAINAGE 450



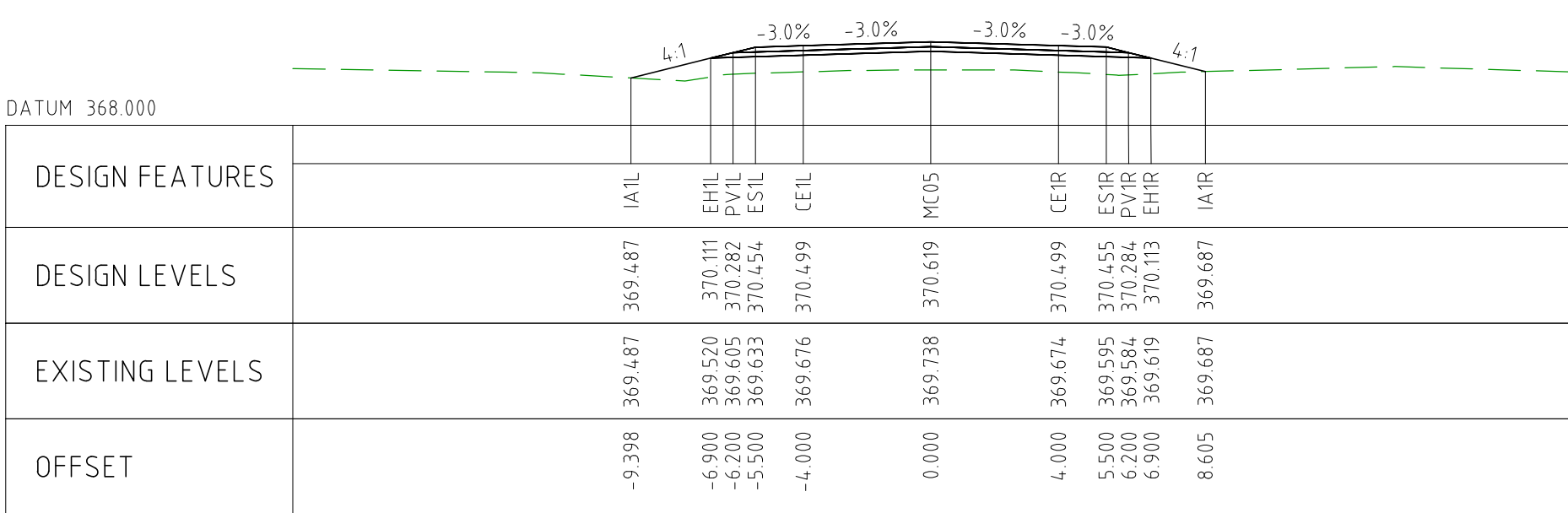
CHAINAGE 400



CHAINAGE 600



CHAINAGE 550



CHAINAGE 500

DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-XS167.dwg				PLOT DATE 07 Nov 2022		TIME 14:22:58					
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	SCALES AT A1 SIZE DRAWING SCALE 1:200 			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	JW				
						DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RJ				
								DESIGNER Member of the Surbana Jurong Group © ABN 47 065 475 149 SMC PROJECT No 3006493			
								CLIENT 			
								PROJECT TITLE MOUNT HOLLAND LITHIUM MINE MARVEL LOCH FORRESTANIA ROAD CROSS SECTIONS - MC05 SHEET 1 OF 1			
SCALE 1:200		PHASE DETAILED		PROJECT / DRAWING No 3006493-XS167		REVISION 0					

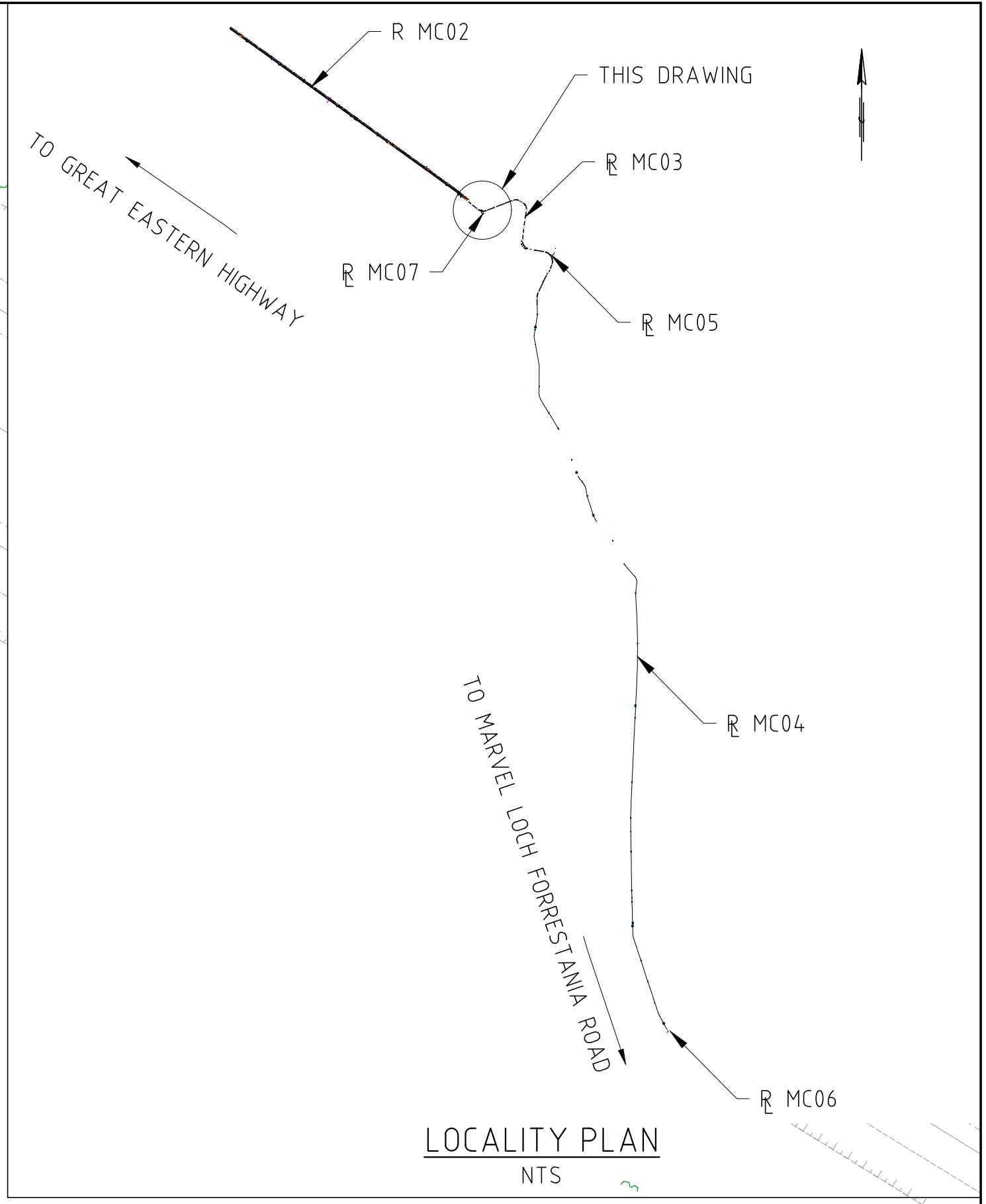
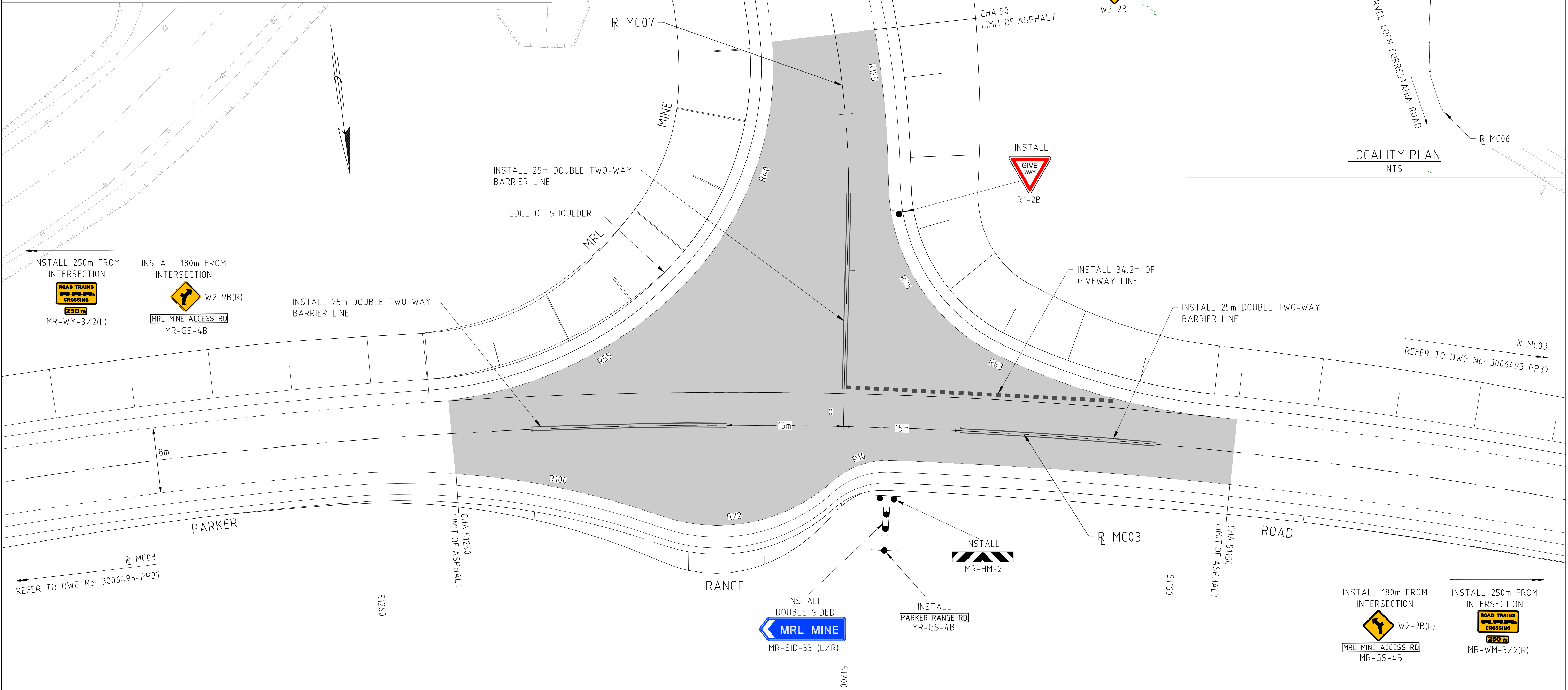
SERVICES LEGEND:

- OH OVERHEAD POWER
- W WATER PIPE
- W COVALENT PIPELINE
- T TELSTRA



LEGEND:

- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- 40mm THICK 14mm INTERSECTION MIX ASPHALT
- SLK (PARKER RANGE ROAD)
- SLK (MARVEL LOCH - FORRESTANIA ROAD)



DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-LA03.dwg				PLOT DATE 07 Nov 2022		TIME 14:31:54		CLIENT DOCUMENT No COV-M040-CI-DWG-0112			
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No	APPROVAL	TITLE	NAME	PROJECT TITLE MOUNT HOLLAND LITHIUM MINE PARKER RANGE ROAD INTERSECTION LAYOUT PLAN - MC07 SHEET 1 OF 1			
	0	04.11.22	ISSUED FOR CONSTRUCTION	003	DM	DRAFTER	DM				
	0	0		0		DRAFTING CHECK	TM				
						DESIGNER	DG				
						DESIGN CHECK	TM				
						PROJECT MANAGER	DM				
						PROJECT DIRECTOR	RJ	SCALE 1:250	PHASE DETAILED	PROJECT / DRAWING No 3006493-LA03	REVISION 0

SERVICES LEGEND:

- OVERHEAD POWER
- WATER PIPE
- COVALENT PIPELINE
- TELSTRA

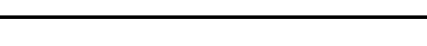



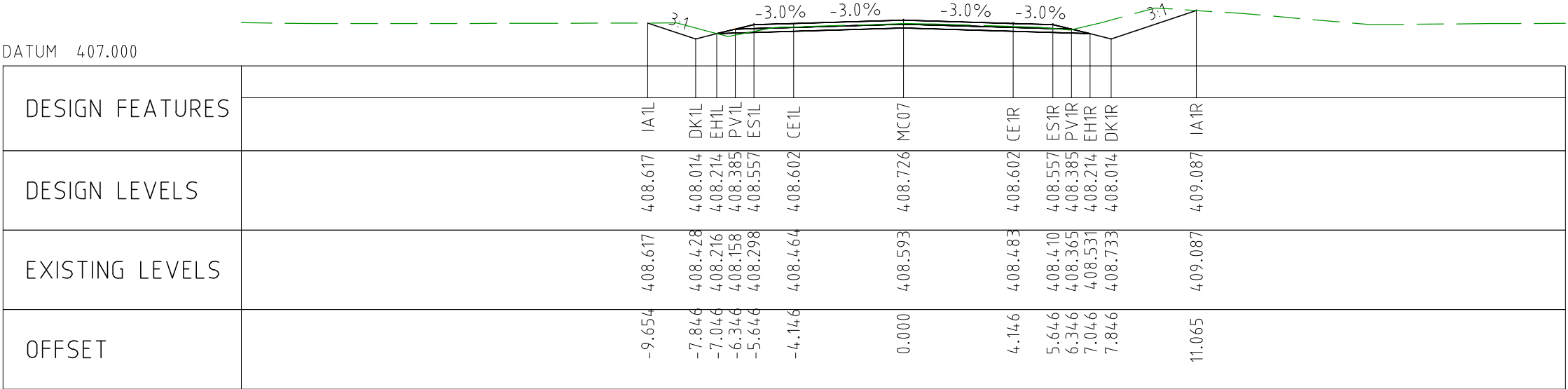
LEGEND:

- CADASTRAL BOUNDARY
- EXISTING TREE
- EXISTING BUSH LINE
- EXISTING FENCE
- EXISTING SIGN
- EXISTING DRAIN
- EXISTING EDGE OF SEAL
- PROPOSED CUT LINE
- PROPOSED EDGE OF SEAL
- PROPOSED DRAIN
- SLK 32.0 (PRR)
- SLK 32.0 (MLF)
- 40mm THICK 14mm INTERSECTION MIX ASPHALT
- CONSTRUCT LOOSE EARTH BARRIER 10m LONG X 1m HIGH TO PREVENT VEHICLE USE

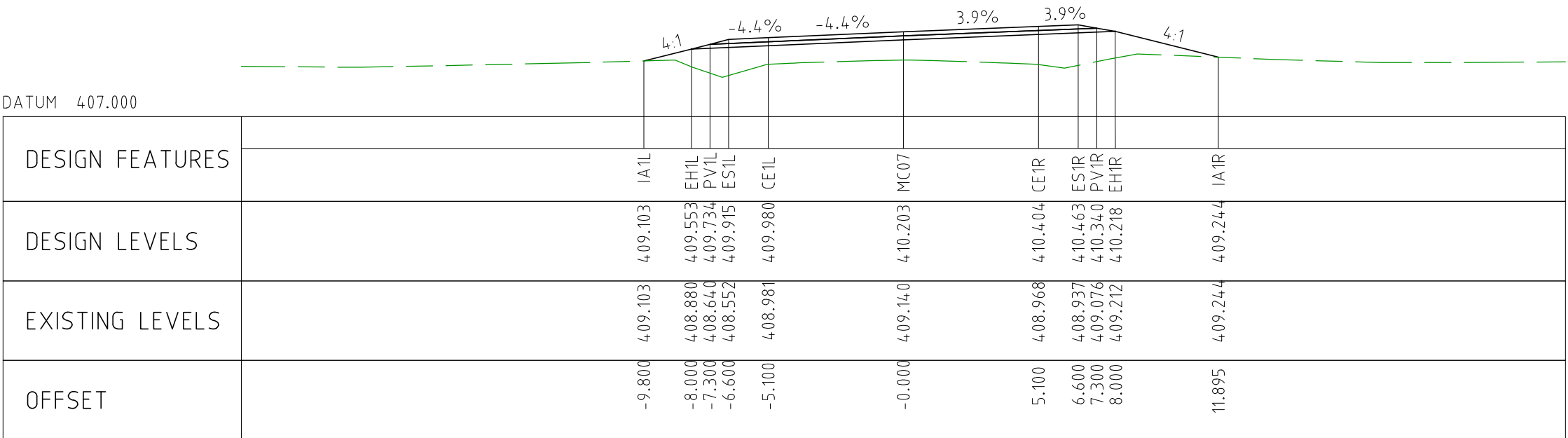
NOTES:

- MR-WM-3 SHOWS TO BE INSTALLED AS PER SUPERINTENDENT'S DIRECTION.

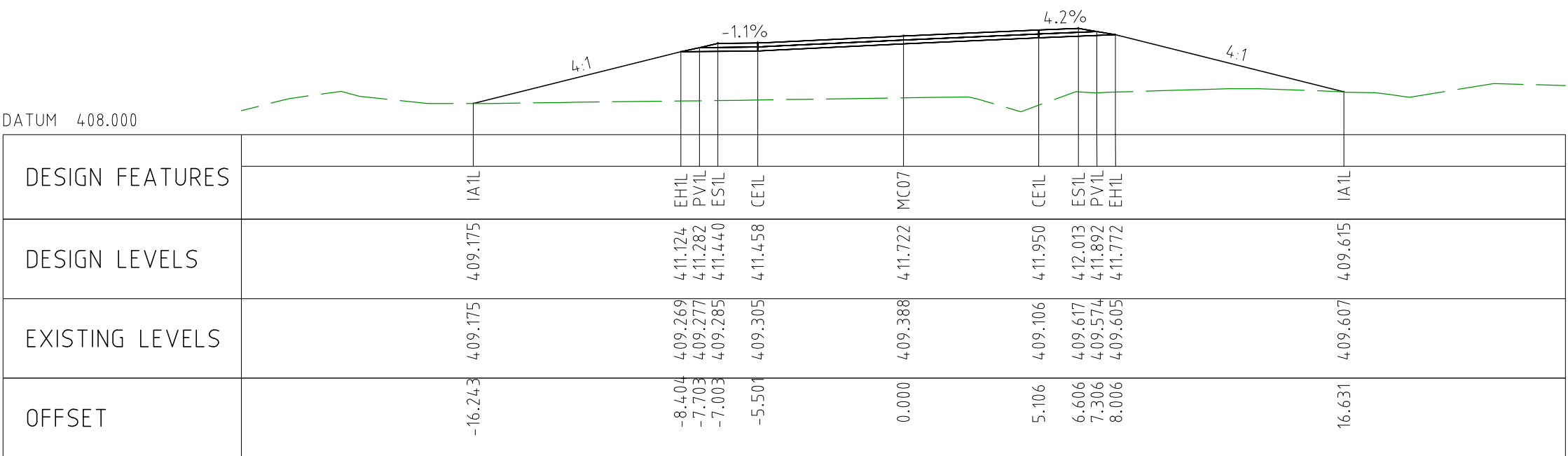
DRAWING FILE LOCATION / NAME V:_Vault\Projects\3006\3006493\110_CADD\CAD\DWG\3006493-PP84.dwg				PLOT DATE 07 Nov 2022		TIME 14:19:29		VERTICAL 1:200				CLIENT DOCUMENT No COV-M040-CI-DWG-0109							
EXTERNAL REFERENCE FILES		REV 0	DATE 04.11.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR CONSTRUCTION		WVR No 003	APPROVAL NM	TITLE NAME		SCALES AT A1 SIZE DRAWING		DESIGNER	CLIENT		PROJECT TITLE MOUNT HOLLAND LITHIUM MINE				
								DRAFTER JW		<div><div>SCALE 1:2000</div><div><div>20</div><div>0</div><div>20</div><div>40</div><div>60</div><div>80</div><div>100</div></div></div> <div><div>SCALE 1:200</div><div><div>2</div><div>0</div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div></div></div>		<div><div></div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div> <div><div>SMC PROJECT No 3006493</div></div>		<div><div></div></div>		PARKER RANGE ROAD INTERSECTION PLAN AND PROFILE - MC07 CHA 0 TO CHA 234			
								DESIGNER DG											
								DESIGN CHECK FM											
								PROJECT MANAGER DM											
								PROJECT DIRECTOR RI											
												SCALE AS NOTED		PHASE DETAILED		PROJECT / DRAWING No 3006493-PP84		REVISION 0	



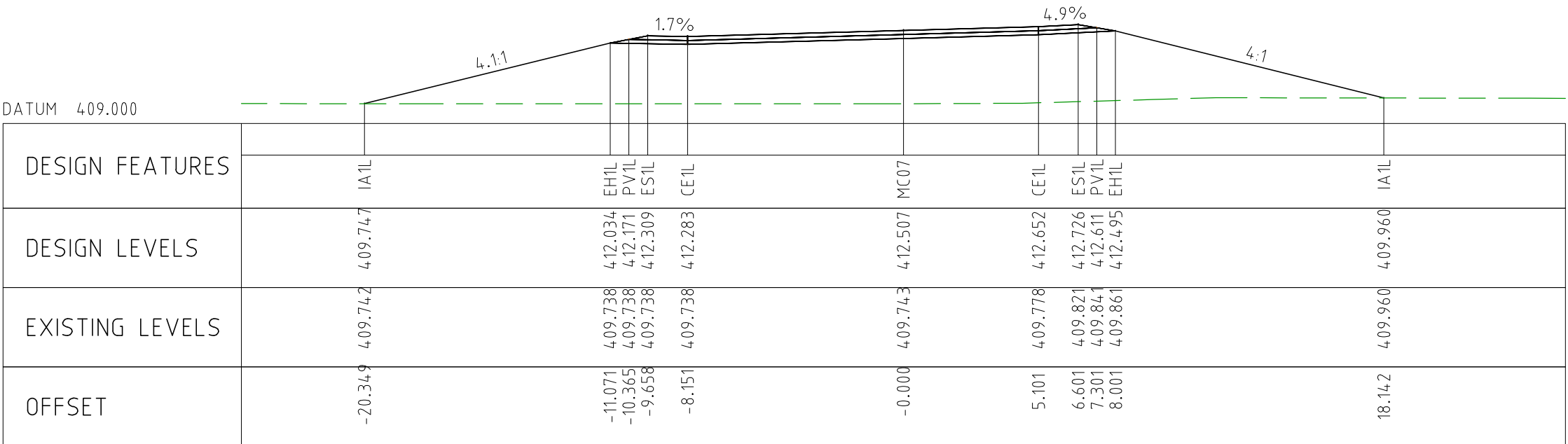
CHAINAGE 200



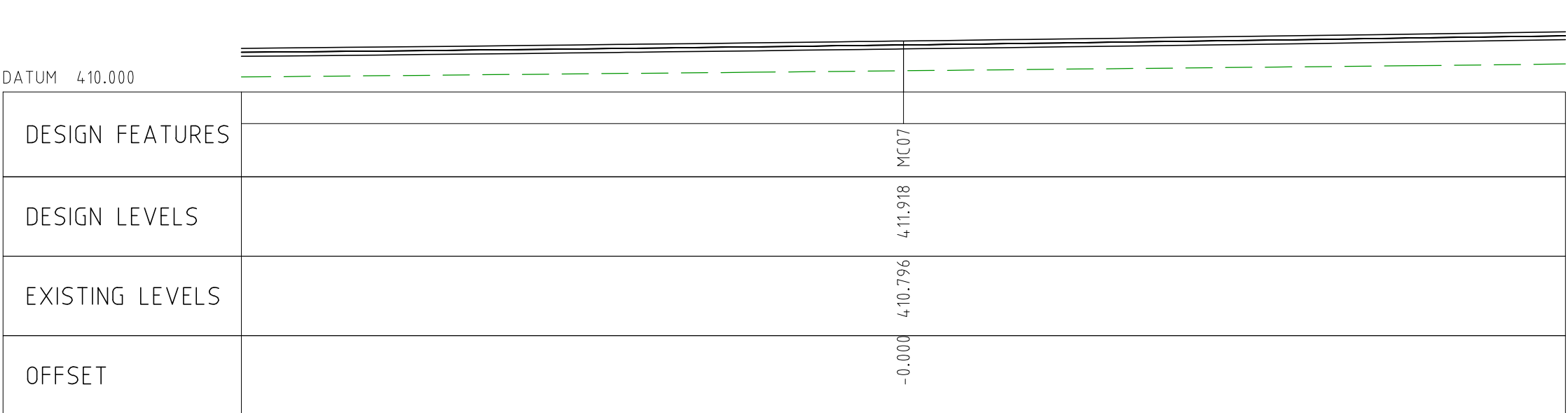
CHAINAGE 150



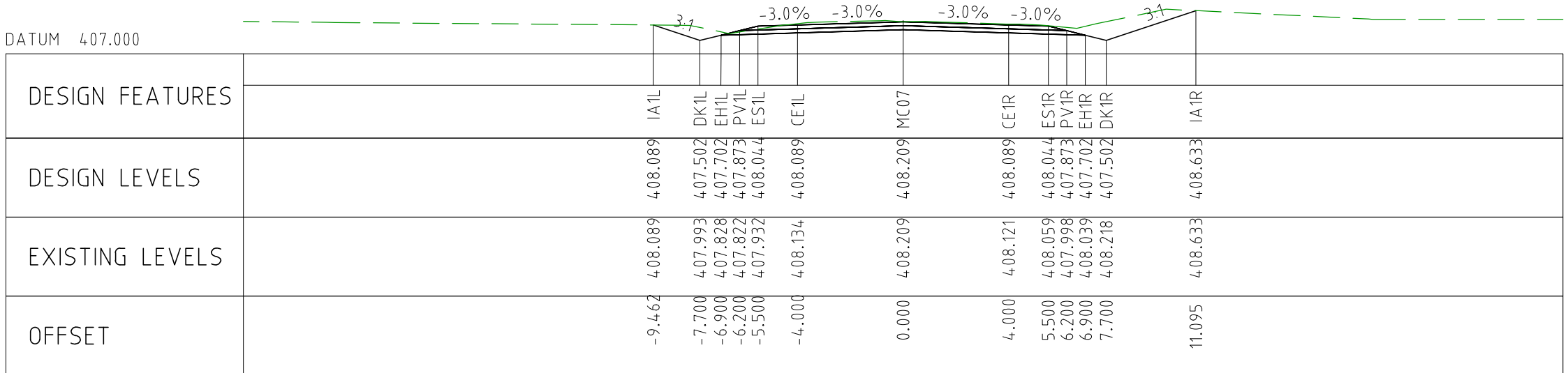
CHAINAGE 100



CHAINAGE 50



CHAINAGE 0



CHAINAGE 234