



Land and Environment Court New South Wales

Case Name: **Legpro 70 Pty Ltd ATF Legpro Unit Trust v Wollongong City Council**

Medium Neutral Citation: [2025] NSWLEC 1220

Hearing Date(s): Conciliation conferences 7 March 2025

Date of Orders: 09 April 2025

Date of Decision: 09 April 2025

Jurisdiction: Class 1

Before: Walsh C

Decision: The Court orders that:
(1) The Applicant is granted leave to rely on the Amended Development Application.
(2) The appeal is upheld.
(3) Development Application No. DA-2023/823, as amended, for bulk earthworks (stage 2-4), vegetation management and realignment and embellishment of an existing riparian corridor at 27 Railway Street, Corrimal NSW 2518 is determined by the grant of development consent subject to the conditions of consent in Annexure A.

Catchwords: DEVELOPMENT APPLICATION – conciliation conference – agreement between the parties – orders

Legislation Cited: *Environmental Planning and Assessment Act 1979*, ss 4.46, 8.7
Land and Environment Court Act 1979, s 34
Water Management Act 2000, s 91

Environmental Planning and Assessment Regulation 2021, s 38
State Environmental Planning Policy (Biodiversity and Conservation) 2021, s 4.9, Ch 4

State Environmental Planning Policy (Resilience and Hazards) 2021, ss 2.10, 2.11, 2.12, 4.6, Ch 2
State Environmental Planning Policy (Transport and Infrastructure) 2021, ss 2.97, 2.99
Wollongong Local Environmental Plan 2009, cll 5.1A, 5.21, 7.2, 7.4, 7.5

Cases Cited: *McMillan v Taylor* (2023) 111 NSWLR 634; [2023] NSWCA 183

Category: Principal judgment

Parties: Legpro 70 Pty Ltd ATF Legpro Unit Trust (Applicant)
Wollongong City Council (Respondent)

Representation: Counsel:
C Collett (Solicitor) (Applicant)
J Reilly (Solicitor) (Respondent)

Solicitors:
Mills Oakley (Applicant)
Wollongong City Council (Respondent)

File Number(s): 2024/75307

Publication Restriction: Nil

JUDGMENT

- 1 **COMMISSIONER:** This is a Class 1 appeal pursuant to s 8.7 of the *Environmental Planning and Assessment Act 1979* (EPA Act) against the deemed refusal by Wollongong City Council (Council) of DA-2023/823 for bulk earthworks, tree removal, vegetation management and ancillary works (DA), within part of the former Corrimal Coke Works site located at 27 Railway Street Corrimal, legally described in the parties' agreed conditions of consent (Annexure A to this judgement) as being part Lot 1 DP 79579 and part Lot 5 DP 749492 (site). The DA can be understood as one part of a somewhat intricate suite of development proposals, essentially related to bringing about a multi-faceted redevelopment of portions of this former industrial site.
- 2 The Court arranged a conciliation conference under s 34 of the *Land and Environment Court Act 1979* (LEC Act) between the parties, which was held on 7 March 2025, and at which I presided. Prior to the conference, the parties had come to an agreement as to the terms of a decision in the proceedings that would be acceptable to the parties. This decision involved the Court upholding the appeal and granting consent to the DA, as amended in the course of conciliation, in accordance with agreed consent conditions.

Pre-requisites to the exercise of the function to grant development consent

- 3 Under s 34(3) of the LEC Act, I must dispose of the proceedings in accordance with the parties' decision, provided it is a decision that the Court could have made in the proper exercise of its functions.
- 4 The point of consideration here is whether there are any jurisdictional constraints to the exercise of the function to grant development consent in accordance with the parties' agreement (*McMillan v Taylor* (2023) 111 NSWLR 634; [2023] NSWCA 183 at [65]). Ultimately, I find that there are none. However, there are certain statutory queries which require attention before this function can be exercised by the Court. I attend to the relevant matters below, assisted by the advice in the parties' agreed jurisdictional note, as amended on 7 March 2025.

Water Management Act 2000

- 5 The parties advise that pursuant to s 91(2) of the *Water Management Act 2000* (WM Act), the DA requires approval from Water NSW to undertake a controlled activity on waterfront land (being the realignment of the riparian corridor). In turn the DA is integrated development under the provisions of s 4.46(1) of the EPA Act. The parties advise that on 14 March 2024, Council received the Water NSW General Terms of Approval (GTAs). Accordingly, and mindful of the inclusion of relevant conditions in Annexure A, I am satisfied with respect to s 91 of the WM Act, and with respect to related integrated development requirements.

State Environmental Planning Policy (Biodiversity and Conservation) 2021

- 6 Chapter 4 of State Environmental Planning Policy (Biodiversity and Conservation) 2021 (SEPP BC) applies in relation to koala habitat protection. I accept the parties' agreement that the site does not contain any core koala habitat and the provisions of s 4.9 have been adequately addressed.

State Environmental Planning Policy (Resilience and Hazards) 2021

- 7 Chapter 2, ss 2.11 and 2.12 of State Environmental Planning Policy (Resilience and Hazards) 2021 (SEPP RH) relates to coastal management and applies to the site, which is mapped within the coastal environment area. In turn, the provisions of ss 2.10, 2.11 and 2.12 apply, each of which require jurisdictional findings of satisfaction to enable the power to grant consent. In their jurisdictional statement the parties have indicated their consideration of the relevant listed matters, within the applicable provisions, and drawn positive conclusions with respect to the matters requiring findings of satisfaction of the Court.
- 8 In turn, and reliant on this advice of the parties (JS pars 44-50), I am satisfied with respect to relevant matters at ss 2.10(2), 2.11(1)(b) and 2.12. With these findings the relevant jurisdictional tests of Chapter 2 are satisfied.

- 9 The provisions of s 4.6 of SEPP RH also apply to the site. The site has a history of contamination associated with the previous use of the site for metal production. The DA is supported by a Detailed Site Investigation (DSI) (Tab 20 Class 1 Application) and a Remediation Action Plan (Tab 21 Class 1 Application) prepared by Reditus Consulting to detail the proposed remediation strategy and to assess the proposal against relevant provisions of the SEPP. I accept the parties' advice that the land will, with the proposed remediation, be suitable for the purpose of the development. In turn the requirements of subss 4.6(1)(a), (b) and (c) have been met.

State Environmental Planning Policy (Transport and Infrastructure) 2021

- 10 Sections 2.97 and 2.99 apply to the amended DA which seeks access via a level crossing and excavation within a rail corridor. The parties submit that TfNSW have issued their concurrence. Conditions of consent in relation to TfNSW requirements have been included at Annexure A. I accept the parties' agreement that the provisions are met.

Wollongong Local Environmental Plan 2009

- 11 Under Wollongong Local Environmental Plan 2009 (WLEP), the subject site is zoned part R3 Medium Density Residential and part RE1 Public Recreation. The proposed works are confined to the R3 zone and are permissible with consent.
- 12 I accept the advice of the parties that the proposal does not breach any development standard.
- 13 I note that cl 5.1A relates to development on land intended to be acquired for a public purpose (under WLEP Land Reservation Acquisition Map). An area within the site is indicated for the purposes of future acquisition however no development is proposed in the relevant area itself. I also note that heritage conservation has been a matter of some considerable attention, with respect to the former Corrimall Coke Works (a listed heritage item). I note the parties'

agreement that a satisfactory response is in hand with respect to this topic, however no findings of satisfaction are required in this judgement in that respect.

- 14 Clause 5.21 of WLEP is concerned with flood planning. The parties' jurisdictional statement addresses each of the points at cl 5.21(2) mindful of a Water Cycle Management Strategy accompanying the application. Having regard to the agreed position of the parties I too am satisfied with respect to flood planning and in particular the provisions at cl 5.21(2).
- 15 Clause 7.2 is concerned with "natural resource sensitivity – biodiversity" and applies to the site because a portion of the site is indicated on WLEP's Natural Resource Sensitivity—Biodiversity Map. The relevant threatened ecological community is identified as plant community type (PCT) 838. The parties advise there is no proposed works within this PCT which require development consent. More broadly with respect to the larger scheme for the site environs, the parties advise of the preparation of a Biodiversity Development Assessment Report (BDAR) (Tab 15 Class 1 Application) which identifies mitigation measures for each stage of the development to manage specific indirect impacts and/or prescribed impacts.
- 16 In relation to this particular DA context, the BDAR identifies that 20 ecosystem credits are required to offset residual impacts to PCT 838. The parties agree that the BDAR assessment satisfies the provisions of cl 7.2 in regard to requirements for the need of a consent authority to consider impacts of the development on threatened species, communities, populations, and their habitats. I have noted the particular objectives of cl 7.2 and on the basis of the evidence provided by the parties, and in particular noting the BDAR, and am satisfied that the proposed development is consistent with these objectives. For the same reasons, I am also satisfied with respect to the provisions at cl 7.2(a) and (b).

- 17 In respect to cl 7.4 and riparian lands I note the parties' advice of their consideration of the impact of the proposed development on the site's riparian corridor and of opportunities for rehabilitation of aquatic and riparian vegetation and habitat on that land. As identified above, the proposed realignment and works to the riparian corridor is defined as a 'controlled activity' under the WM Act, and DPE-Water has issued GTAs with respect to this aspect of the proposal. The parties also advise the DA is accompanied by a Vegetation Management Plan (Tab 18 Class 1 Application) which details the installation and management of native vegetation within the realigned riparian corridor zone to ensure long-term vegetation management, and ecological and biodiversity outcomes.
- 18 Clause 7.5 relates to acid sulfate soils. The parties advise that the required Acid Sulfate Soil Management Plan has been provided.
- 19 The parties' jurisdictional statement includes reference to other considerations undertaken in the course of the coming to an agreement on this matter, but these matters do not require jurisdictional findings of the Court, here.

Conclusion

- 20 In accordance with the above reasoning, the parties' decision is a decision that the Court could have made in the proper exercise of its functions. In turn, I am required under s 34(3) of the LEC Act to dispose of the proceedings in accordance with the parties' decision.
- 21 In making the orders to give effect to the agreement between the parties, I was not required to, and have not, made any merit assessment of the issues that were originally in dispute between the parties.

Notations

- 22 The Court notes:

- (1) The Respondent, Wollongong City Council, as the relevant consent authority, approves, pursuant to s 38 of the Environmental Planning and Assessment Regulation 2021 the amendment of development application no. DA-2023/823 in accordance with the following amended plans and documents:

TAB	DOCUMENT	DATE
1	Letter from Urbis to Wollongong City Council regarding Amended Development Application	25 September 2024
2	Revised Landscape Design prepared by Clouston Associates	19 September 2024
3	Remediation Action Plan prepared by Reditus (Version 4) prepared by Reditus Consulting	24 September 2024
4	Amended Civil Engineering Plans prepared by Maker Eng: - MKR00452-16-C0000: Coversheet and Drawing Schedule rev 3 - MKR00452-16-C0010: General Notes rev 3 dated 24 September 2024 - MKR00452-16-C0030: Zoning Layout Plan rev 4 dated 24 September 2024 - MKR00452-16-C0040: Civil Key Plan rev 4 dated 24 September 2024 - MKR00452-16-C0050: Existing Site Survey Plan rev 4 dated 24 September 2024 - MKR00452-16-C0060: Indicative Subdivision Layout Plan rev 1 dated 23 September 2024 - MKR00452-16-C0100: Civil Works Layout Plan 1 of 3 rev 6 dated 24 January 2025 - MKR00452-16-C0101: Civil Works Layout Plan 2 of 3 rev 6 dated 24 January 2025 - MKR00452-16-C0102: Civil Works Layout Plan 3 of 3 rev 6 dated 24 January 2025 - MKR00452-16-C0105: Creek Civil Works Layout Plan rev 1 dated 24 September 2024 - MKR00452-16-C0200: Bulk Earthworks Layout Plan rev 4 dated 24 September 2024 - MKR00452-16-C0250: Bulk Earthworks Section Plan 1 of 5 rev 4 dated 24 September 2024 - MKR00452-16-C0251: Bulk Earthworks Section Plan 2 of 5 rev 4 dated 24 September 2024 - MKR00452-16-C0252: Bulk Earthworks Section Plan 3 of 5 rev 4 dated 24 September 2024 - MKR00452-16-C0253: Bulk Earthworks Section Plan 4 of 5 rev 4 dated 24 September 2024 - MKR00452-16-C0254: Bulk Earthworks Section Plan 5 of 5 rev 4 dated 24 September 2024 - MKR00452-16-C0300: Typical Road Layout Plan rev 4 dated 24 September 2024 - MKR00452-16-C0310: Typical Road Section Plan 1 of 2 rev 4 dated 24 September 2024	Various dates up to 24 January 2025

	- MKR00452-16-C0311: Typical Road Section Plan 2 of 2 rev 4 dated 24 September 2024 - MKR00452-16-C0315: Creek Design Section Plan rev 1 dated 24 September 2024 - MKR00452-16-C0350: Creek Details rev 1 dated 23 September 2024 - MKR00452-16-C0500: Longitudinal Section Road 01 1 of 6 rev 4 dated 24 September 2024 - MKR00452-16-C0501: Longitudinal Section Road 03 2 of 6 rev 4 dated 24 September 2024 - MKR00452-16-C0502: Longitudinal Section Road 03 3 of 6 rev 4 dated 24 September 2024 - MKR00452-16-C0503: Longitudinal Section Road 03 4 of 6 rev 4 dated 24 September 2024 - MKR00452-16-C0504: Longitudinal Section Road 04 & Road 05 5 of 6 rev 4 dated 24 September 2024 - MKR00452-16-C0505: Longitudinal Section Lane 01 & Lane 02 6 of 6 rev 4 dated 24 September 2024 - MKR00452-16-C1850: Erosion and Sediment Control Notes and Details rev 2 dated 25 August 2023 - MKR00452-16-C1860: Erosion and Sediment Control Layout Plan rev 5 dated 23 September 2024 - MKR00452-16-C1900: Tree Removal and Retention Layout Plan rev 4 dated 23 January 2025	
5	Water Cycle Management Strategy (Version 5) prepared by Maker Eng	23 September 2024
6	Revised Construction Management Plan prepared by Maker Eng	September 2024
7	Corrimal Cokeworks Stage 2 Built Form Development and Construction Staging presentation prepared by Maker Eng	-
8	Corrimal Cokeworks Proposed Subdivision & Development Staging prepared by Maker Eng	-
9	Biodiversity Development Assessment Report prepared by Eco Logical Australia (Version 7)	24 September 2024
10	Corrimal Residential Development Grey-Headed Flying-Fox Management Plan prepared by Eco Logical Australia (Version 7)	24 September 2024
11	Vegetation Management Plan prepared by Eco Logical Australia (Version 7)	25 September 2024
12	Interim Advice 10: Endorsement of Stage 2-4 Remediation Action Plan, prepared by Geosytec Consultants	16 October 2024
13	Review of Revised Realignment Design of North Corrimal Creek prepared by the NSW Soil Conservation Service	25 September 2024
14	Flood Maps prepared by Maker Eng: - MKR00452-D110: Proposed Hydraulic Model Elevations - MKR00452-M103: AEP Flood Extent - MKR00452-M106: Proposed DFE Extent - MKR00452-M176: Change in DFE Water Level	September 2024

(‘Amended Development Application’)

- (2) The Applicant has filed the amending material with the Court.

Orders

23 The Court orders that:

- (1) The Applicant is granted leave to rely on the Amended Development Application.
- (2) The appeal is upheld.
- (3) Development Application No. DA-2023/823, as amended, for bulk earthworks (stage 2-4), vegetation management and realignment and embellishment of an existing riparian corridor at 27 Railway Street, Corrimal NSW 2518 is determined by the grant of development consent subject to the conditions of consent in Annexure A.

I certify that this and the preceding **7 pages** are a true copy of my reasons for judgment.



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P Walsh

Commissioner of the Court

CORRIMAL COKE WORKS, STAGES 2 TO 4

27 RAILWAY STREET, CORRIMAL

LOT 1, DP795791

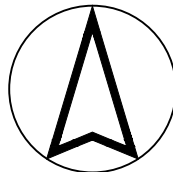
BULK EARTHWORKS PLANS FOR DEVELOPMENT APPLICATION

PLAN NUMBER	DRAWING TITLE
MKR00452-16-C0000	COVER SHEET AND DRAWING SCHEDULE
MKR00452-16-C0010	GENERAL NOTES
MKR00452-16-C0030	ZONING LAYOUT PLAN
MKR00452-16-C0040	CIVIL KEY PLAN
MKR00452-16-C0050	EXISTING SITE SURVEY PLAN
MKR00452-16-C0060	INDICATIVE SUBDIVISION LAYOUT PLAN
MKR00452-16-C0100	CIVIL WORKS LAYOUT PLAN 1 OF 3
MKR00452-16-C0101	CIVIL WORKS LAYOUT PLAN 2 OF 3
MKR00452-16-C0102	CIVIL WORKS LAYOUT PLAN 3 OF 3
MKR00452-16-C0105	CREEK CIVIL WORKS LAYOUT PLAN
MKR00452-16-C0200	BULK EARTHWORKS LAYOUT PLAN
MKR00452-16-C0250	BULK EARTHWORKS SECTION PLAN 1 OF 5
MKR00452-16-C0251	BULK EARTHWORKS SECTION PLAN 2 OF 5
MKR00452-16-C0252	BULK EARTHWORKS SECTION PLAN 3 OF 5
MKR00452-16-C0253	BULK EARTHWORKS SECTION PLAN 4 OF 5
MKR00452-16-C0254	BULK EARTHWORKS SECTION PLAN 5 OF 5
MKR00452-16-C0300	TYPICAL ROAD LAYOUT PLAN
MKR00452-16-C0310	TYPICAL ROAD SECTION PLAN 1 OF 2
MKR00452-16-C0311	TYPICAL ROAD SECTION PLAN 2 OF 2
MKR00452-16-C0315	CREEK DESIGN SECTION PLAN
MKR00452-16-C0350	CREEK DETAILS

PLAN NUMBER	DRAWING TITLE
MKR00452-16-C0500	LONGITUDINAL SECTION ROAD 01 1 OF 6
MKR00452-16-C0501	LONGITUDINAL SECTION ROAD 03 2 OF 6
MKR00452-16-C0502	LONGITUDINAL SECTION ROAD 03 3 OF 6
MKR00452-16-C0503	LONGITUDINAL SECTION ROAD 03 4 OF 6
MKR00452-16-C0504	LONGITUDINAL SECTION ROAD 04 & ROAD 05 5 OF 6
MKR00452-16-C0505	LONGITUDINAL SECTION LANE 01 & LANE 02 6 OF 6
MKR00452-16-C1850	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
MKR00452-16-C1860	EROSION AND SEDIMENT CONTROL LAYOUT PLAN
MKR00452-16-C1900	TREE REMOVAL AND RETENTION LAYOUT PLAN



LOCALITY DIAGRAM



CLIENT:



CONSULTANTS:



GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES IN THESE DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL CHECK AND BE RESPONSIBLE FOR THE CORRECTNESS OF ALL DIMENSIONS. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING OFF THE PLANS.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT AUSTRALIAN STANDARDS, THE BY-LAWS AND ORDINANCES OF THE RELEVANT AUTHORITIES AND THE SPECIFICATIONS.
- NO CHANGES SHALL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN CONSENT OF THE SUPERINTENDENT. THE SUPERINTENDENT IS TO CONFIRM THE EXACT EXTENTS ON SITE PRIOR TO COMMENCEMENT OF STAGES 2 TO 4.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SAFE WORK PRACTICES ARE FOLLOWED AT ALL TIMES DURING THE COURSE OF THE CONTRACT. OH&S REGULATIONS AND WORK COVER REQUIREMENTS ARE TO BE COMPLIED WITH. REFER TO THE SPECIFICATION AND CONTRACT DOCUMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SURVEY MARKS ARE MAINTAINED. IF THE CONTROL MARKS ARE DESTROYED OR MOVED DURING CONSTRUCTION THE CONTRACTOR MUST SUPPLY ADEQUATE MARKS FOR RE-ESTABLISHMENT AND INFORM THE SUPERINTENDENT.
- CHANGES, REDUCED LEVELS, CHAINAGES, OFFSETS AND ROAD WIDTHS ARE IN METRES UNLESS OTHERWISE SHOWN.
- LIAISE WITH THE APPOINTED SITE SUPERINTENDENT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL SITE FILLING SHALL BE COMPACTED TO 98% STANDARD COMPACTION. CONTROLLED BY THE GEOTECHNICAL ENGINEER OR AS INSTRUCTED BY THE SUPERINTENDENT
- SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED BY THE SUPERINTENDENT.
- ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS.
- THE CONTRACTOR SHALL NOT ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE WRITTEN PERMISSION OF THE OWNERS.
- SITE FILL AREAS - THE CONTRACTORS REGISTERED SURVEYOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS.
- DRAINAGE LINES UNDER ROADS SHALL BE BACKFILLED WITH NON-COHESIVE SAND. AND THE SUBSOIL DRAIN WRAPPED IN APPROVED FILTER SOCK, DISCHARGING INTO DOWN STREAM PITS.
- ALL CONDUITS AND MAINS SHALL BE LAID PRIOR TO LAYING FINAL ASPHALTIC CONCRETE SEAL.
- STREET NAME SIGNS SHALL BE ERECTED, WHERE SHOWN, IN ACCORDANCE WITH COUNCIL'S STANDARD OR AS DIRECTED BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL MAINTAIN DUST CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
- ALL TREES WITHIN LIMIT OF WORKS TO BE REMOVED UNLESS NOTED AS PER LEGEND. TREES OUT OF LIMIT OF WORKS ZONE ARE TO BE LEFT UNTOUCHED. SHOULD THERE BE ANY IMPACTED TREES OUTSIDE OF WORKS ZONE THE SUPERINTENDENT IS TO BE INFORMED IMMEDIATELY.
- REFER TO WCC SPECIFICATION AND STANDARD DRAWINGS OF KERB INLET PIT AND KERB AND GUTTER.
- CONTRACTOR TO PROVIDE STORMWATER KERB DISCHARGE INCLUDING RECTANGULAR HOLLOW SECTION, ADAPTER AND PIPE EXTENDED 0.5m BEYOND THE PROPERTY BOUNDARY AND CAPPED OFF FOR FUTURE CONNECTION
- DEWATER AND DESILT EXISTING DAMS TO PREPARE FOR SITE FILLING/OTHER WORKS REFER TO THE GEOTECHNICAL REPORT.
- PROVIDE FLOODWAY WARNING SIGNS AT APPROPRIATE LOCATIONS AND/OR AS DIRECTED BY COUNCIL'S ENGINEER.
- WORK ARE TO BE CARRIED OUT IN ACCORDANCE WITH WOLLONGONG CITY COUNCIL SUBDIVISION COUNCIL POLICY AND DEVELOPMENT CONTROL PLANS

BULK EARTHWORKS NOTES

- STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND STOCKPILE AS DIRECTED BY SUPERINTENDENT
- COMPACTION, TESTING, FILING, STANDARD DRY DENSITIES & MOISTURE CONTENTS TO BE IN ACCORDANCE WITH SITE GEOTECHNICAL REPORT IN ADDITION TO RELEVANT STANDARDS & GUIDELINES
- ALL FILLING WORKS TO BE CARRIED OUT UNDER LEVEL 1 GEOTECH SUPERVISION AS PER AS 3798.

SITE PREPARATION NOTES

- ORIGIN OF LEVELS: AHD. COORDINATES TO MGA - MAP GRID AUSTRALIA
- STAGES 2 TO 4 PAVEMENT MATERIAL TO CONSIST OF RECYCLED MATERIAL. PAVEMENT SUBJECT TO GEOTECHNICAL PAVEMENT DESIGN. IMPLEMENTATION OF PAVEMENT TO BE INSTALLED IN ACCORDANCE WITH FUTURE GEOTECHNICAL PAVEMENT DESIGN INCLUDING BUT NOT LIMITED TO COMPACTION AND TESTING REQUIREMENTS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATION AND CONTRACT DOCUMENTS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF WORKS, INCLUDING REPAIR AND/OR REPLACEMENT OF DAMAGED SECTIONS. INSPECTIONS ARE TO BE MADE PERIODICALLY DURING PROLONGED RAINFALL EVENTS AND AFTER STORM EVENTS FOR DAMAGE.
- ALL EXISTING TREES ON THE SITE ARE NOT TO BE DISTURBED OTHER THAN THOSE DESIGNATED ON THE PLANS FOR REMOVAL. THE SUPERINTENDENT IS TO APPROVE ALL TREES TO BE REMOVED. REMAINING TREES MUST BE PROTECTED IN ACCORDANCE TO THE SPECIFICATION.
- WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED OUT BY OTHERS (EG. ADJUSTMENT OF SERVICES). COORDINATION OF THESE WORKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEY NOTES

- ALL SITE SET OUT POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR.
- THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY THE REGISTERED SURVEYOR IN ADDITION TO MAKER (2022). THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. MAKER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
- CONTACT SUPERINTENDENT IF DISCREPANCIES ARE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND FIELD DATA.
- PROJECT COORDINATE SYSTEM USED: MGA-56 (GDA94). ALL SETOUT INFORMATION AND DATUM SHALL BE CONFIRMED BY A REGISTERED SURVEYOR PRIOR TO CONSTRUCTION.
- DIGITAL DATA PROVIDED FOR INFORMATION ONLY AND IS NOT TO BE FOR SETOUT UNLESS NOTED OTHERWISE
- PLANS TAKE PRECEDENCE OVER DIGITAL DATA UNLESS NOTED OTHERWISE

EROSION CONTROL

- THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH LOCAL COUNCIL'S DEVELOPMENT CONTROL PLAN FOR ENVIRONMENTAL MANAGEMENT AND WITH THE 'MANAGING URBAN STORMWATER' (3rd EDITION, AUGUST 1998) BY THE NSW DEPARTMENT OF HOUSING.
- ALL EROSION CONTROL DEVICES ARE TO BE MAINTAINED/REPAIRED DAILY.
- GRADE FINISHED SURFACE TO SHED WATER EVENLY WITHOUT CHANNELLING (UNTIL PIPED STORMWATER SYSTEM IS ADDED IN LATER STAGE).
- THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES MAY VARY DEPENDENT UPON THE CONSTRUCTION TECHNIQUE AND PROGRAM.

TREES

THE TREES IDENTIFIED FOR RETENTION SHALL BE PROTECTED BY THE FOLLOWING MEASURES:

- PROTECTIVE FENCING CONSTRUCTED OF 1.8m HIGH CHAIN WIRE MESH SUPPORTED BY ROBUST POSTS SHALL BE INSTALLED AT A MINIMUM RADIUS OF 3m FROM THE TRUNK OF EACH TREE. THIS FENCING SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORKS AND REMAIN IN PLACE UNTIL ALL WORKS ARE COMPLETED. SIGNAGE SHALL BE ERECTED ON THE FENCE WITH THE FOLLOWING WORDS CLEARLY DISPLAYED "TREE PROTECTION ZONE. DO NOT ENTER."
- THE TREE PROTECTION ZONE WITHIN THE PROTECTIVE FENCING SHALL BE MULCHED WITH A MAXIMUM DEPTH 75mm OF SUITABLE ORGANIC MULCH (WOOD CHIPS OR COMPOST LEAF CHIP MULCH) AND KEPT REGULARLY WATERED FOR THE DURATION OF THE WORKS.
- NO DEVELOPMENT OR ASSOCIATED ACTIVITY IS PERMITTED WITHIN THE FENCED TREE PROTECTION ZONE FOR THE DURATION OF THE WORKS.

PROPOSED SERVICES

- ALL SERVICES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND HAVE BEEN LOCATED FROM SITE INVESTIGATION AND RELEVANT AUTHORITIES' PLANS. THESE SERVICES ARE NOT GUARANTEED CORRECT OR COMPLETE.
- THE CONTRACTOR MUST OBTAIN UP-TO-DATE PLANS FROM 'DIAL BEFORE YOU DIG' BEFORE COMMENCEMENT OF WORKS. THE EXACT LOCATION OF ALL SERVICES ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS.
- EXISTING SERVICES ARE TO BE MAINTAINED OR ADJUSTED AS DETAILED IN THE PLANS. ANY ADJUSTMENT OR PROTECTION MEASURES ARE TO BE CARRIED OUT BY ACCREDITED SERVICE PROVIDERS. REFER ANY CONFLICTS OR UNIDENTIFIED EXISTING SERVICES TO THE SUPERINTENDENT IMMEDIATELY.
- ELECTRICAL CONDUITS SHOULD BE PROVIDED AND LOCATED TO THE SATISFACTION OF ENDEAVOUR ENERGY.
- WATER CONDUITS SHOULD BE PROVIDED TO SUIT WATER MAIN LOCATIONS.
- TELSTRA AND OPTUS CONDUITS PROVIDED AND LOCATED TO THE SATISFACTION OF THE RELEVANT TELECOMMUNICATIONS AUTHORITY.
- ALL SERVICES, PIT COVERS AND MARKERS ARE TO BE LAID ENTIRELY WITHIN OR OUTSIDE OF THE CONCRETE FOOTPATH. REFER TO MAKER SERVICE COORDINATION DRAWINGS FOR SERVICE COVER LOCATIONS. CONTACT SUPERINTENDENT SHOULD DIFFICULTIES ARISE.
- WHERE SERVICES COVERS ARE LOCATED WITHIN THE FOOTPATH & ROADWAYS, INFILL COVERS WITH A PAVEMENT SIMILAR TO THAT OF THE FOOTPATH OR ADJACENT ROADWAY SHALL BE USED. PROVIDE CONCRETE INFILL WHERE COVERS ARE WITHIN LANDSCAPE.

ALL NOTES ARE TO BE READ IN CONJUNCTION WITH WOLLONGONG CITY COUNCIL ENGINEERING SPECIFICATIONS. SHOULD A CONFLICT ARISE WOLLONGONG CITY COUNCIL SPECIFICATIONS ARE TO TAKE PRECEDENCE

Stephen Holmes: 9/23/2024 4:05 PM

3	23.09.24	UPDATED FOR APPROVAL		SCM	SS
2	25.08.23	UPDATED FOR APPROVAL		CB	SS
1	13.03.23	ISSUED FOR APPROVAL		CB	SS
REV	DATE	DESCRIPTION		AMD BY	APP BY

MKR00452-16-C001.dwg

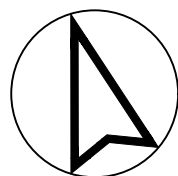


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT GENERAL NOTES			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL		DRAWING NUMBER MKR00452-16-C0010	SHEET No.	ORIG. SIZE A1	REVISION 3
NOT FOR CONSTRUCTION					



PROPOSED		LEGEND	
	SITE BOUNDARY		SHEET LAYOUT (1:500 SCALE)
	SHEET LAYOUT (1:1000 SCALE)		LOT BOUNDARY
	WATER COURSE		

REV	DATE	DESCRIPTION	AMD BY	APP BY
4	23.09.24	UPDATED FOR APPROVAL	SCM	SS
3	12.09.23	UPDATED FOR APPROVAL	CB	SS
2	25.08.23	UPDATED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	

NOT FOR CONSTRUCTION

CORRIMAL COKE WORKS
DEVELOPMENT
CIVIL KEY PLAN

DRAWING NUMBER
MKR00452-16-C0040

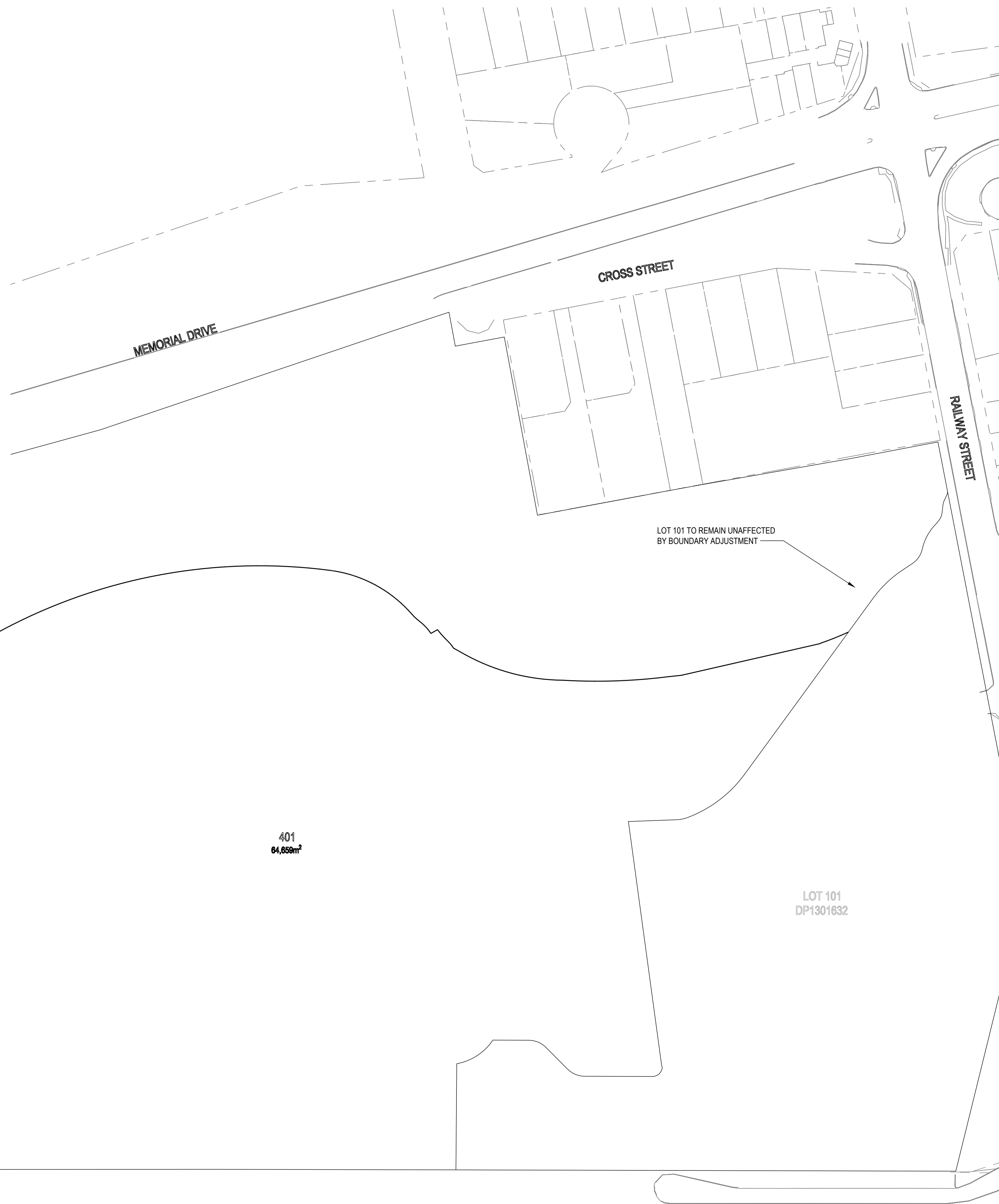
SHEET No.

ORIG. SIZE

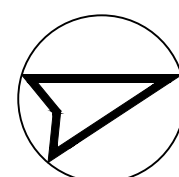
REVISION

A1

4

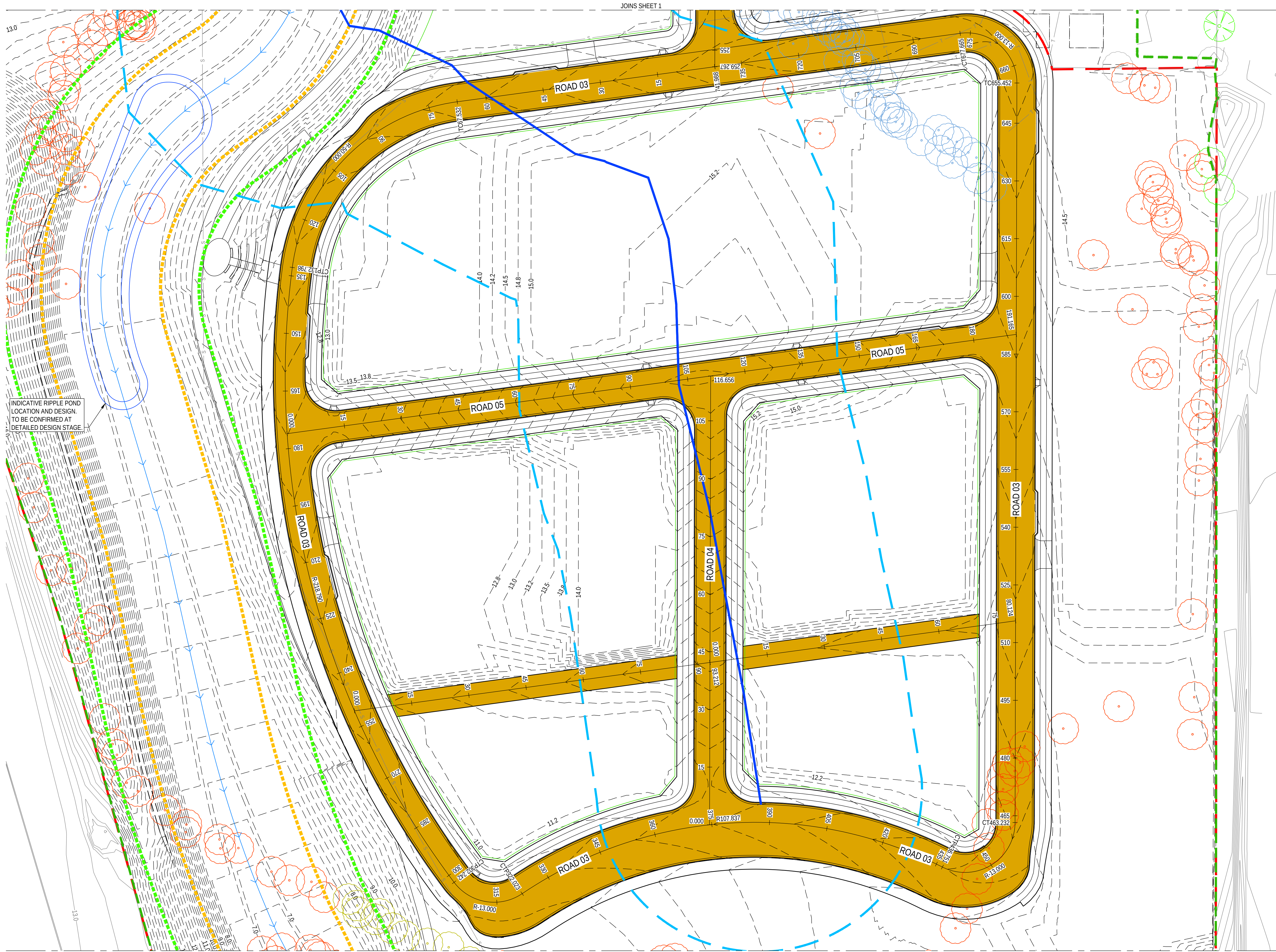


1	23.09.24	ISSUED FOR APPROVAL		SS	SS
REV	DATE	DESCRIPTION		AMD BY	APP BY



DRAWN: S.SAIYANMONTAKUL	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT INDICATIVE SUBDIVISION LAYOUT PLAN
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL	
APPROVED: S.SAIYANMONTAKUL		
NOT FOR CONSTRUCTION		
DRAWING NUMBER MKR00452-16-C0060		SHEET No.
		ORIG. SIZE A1
		REVISION 1

C:\12dS\data\12DSYNERGY\MKR00452 Corrimal Coke Works_72\02 Design\Drawings\16 BE\MKR00452-16-C006.dwg



PROPOSED

— SITE BOUNDARY

--- EXTENT OF WORKS BOUNDARY

— LOT BOUNDARY

— APPROXIMATE BASE EXCAVATION PROFILE

— EASEMENT

--- 7.0 --- CONTOURS (0.5m)

--- 15 --- 30 --- ROAD CENTERLINE AND CHAINAGE

— OPEN DRAIN

--- RIPARIAN ZONE INNER BOUNDARY

--- RIPARIAN ZONE OUTER BOUNDARY

— ROAD BOXING EXTENTS

EXISTING

— LOT BOUNDARY

--- EASEMENT

--- 7.0 --- CONTOURS (0.5m)

— WATER COURSE

--- WATER COURSE EXTENTS

— FENCE

— RETAINING WALL

— W — H — WATER

— S — MH — MS — TMS — SEWER

— G — G — GAS

— T — T — COMMUNICATIONS

— E — E — ELECTRICAL ABOVE GROUND

— UE — UE — ELECTRICAL UNDERGROUND

— OPT — OPT — OPTIC FIBER

— TREE (TO BE RETAINED)

— TREE (TO BE REMOVED)

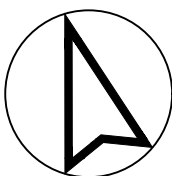
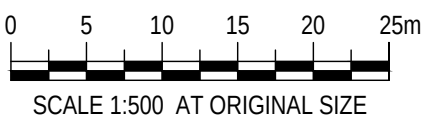
— TREE (REMOVED UNDER SEPARATE APPLICATION, DA-2023/166)

— TREE (REMOVED UNDER SYDNEY WATER APPROVAL, CASE NO. 178698 WW)

— TREE (REMOVED WITHIN SCOPE OF DA-2022/1249)

- NOTES:
- AERIAL IMAGERY SOURCED FROM NEARMAP (DATE 4TH OF APRIL 2022).
 - EXISTING SURVEY INFORMATION SOURCED FROM DETAIL AND LEVEL SURVEY (JOB NO: 190755) PREPARED BY VERIS DATED MAY 2020.
 - RETENTION OF EXISTING HERITAGE ITEMS AND MINIMUM WORKS CLEARANCES TO BE CONFIRMED BY SUITABLY QUALIFIED HERITAGE CONSULTANT.
 - FOR REMOVAL OF EXISTING SEWER REFER TO THE SEWER ADJUSTMENT PLANS PREPARED BY SYDNEY WATER (CASE NO: 178698WW)

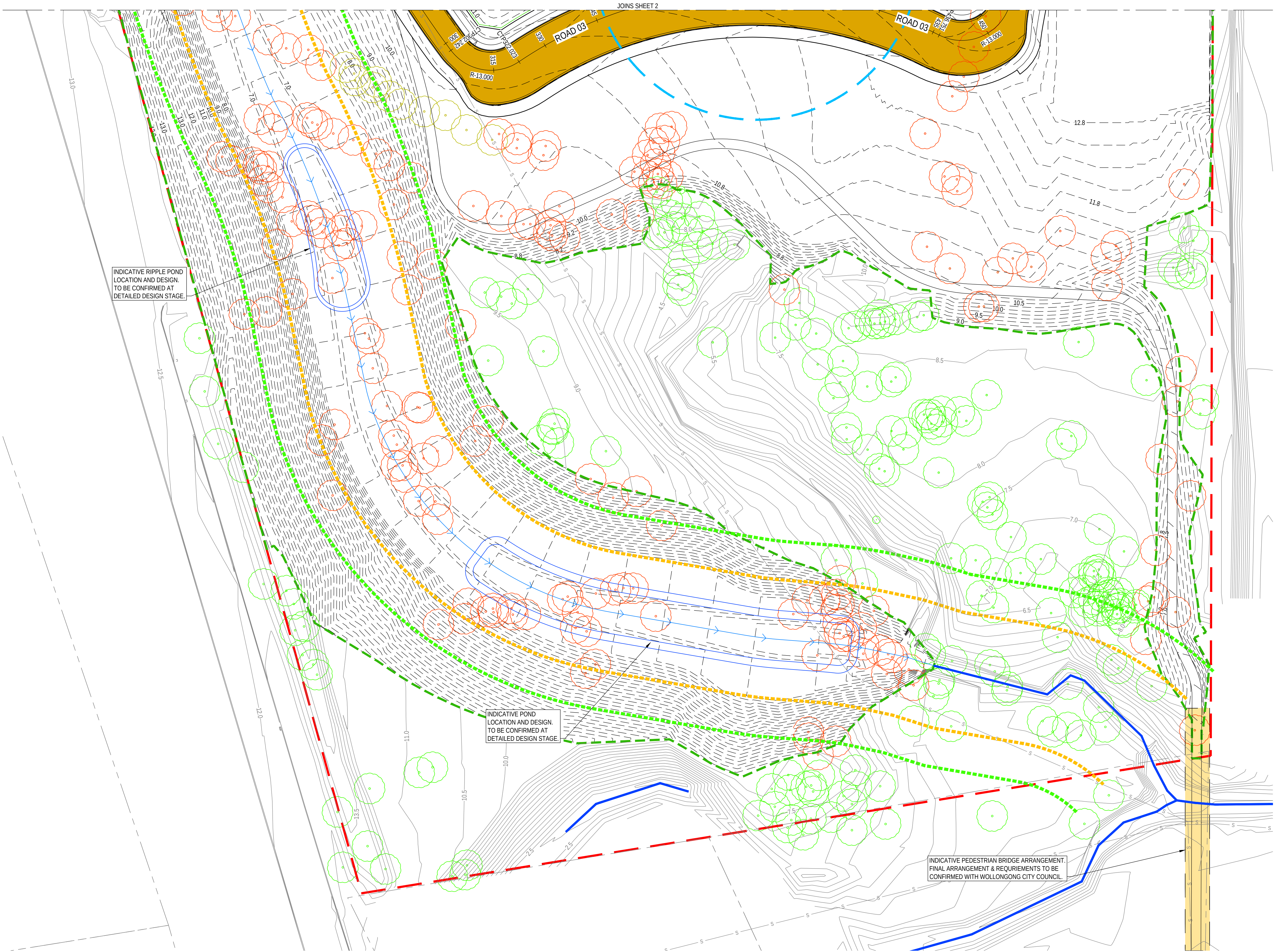
6	24.01.25	ADDITIONAL TREES PRESENT WITHIN VIEWPORT	JRC	AG
5	24.09.24	UPDATED FOR APPROVAL	SCM	SS
4	12.09.23	UPDATED FOR APPROVAL	CB	SS
3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS
REV	DATE	DESCRIPTION	AMD BY	APP BY



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	
NOT FOR CONSTRUCTION	

CORRIMAL COKE WORKS
DEVELOPMENT
CIVIL WORKS
LAYOUT PLAN

DRAWING NUMBER	SHEET NO.	ORIG. SIZE	REVISION
MKR00452-16-C0101	2 OF 3	A1	6



PROPOSED

— — —

EXTENT OF WORKS BOUNDARY

— — —

LOT BOUNDARY

— — —

APPROXIMATE BASEMENT EXCAVATION PROFILE

— — —

EASEMENT

— — —

7.0 — — —

CONTOURS (0.5m)

— — —

15 — — —

83 — — —

ROAD CENTERLINE AND CHAINAGE

— — —

OPEN DRAIN

— — —

RIPARIAN ZONE INNER BOUNDARY

— — —

RIPARIAN ZONE OUTER BOUNDARY

— — —

ROAD BOXING EXTENTS

EXISTING

— — —

LOT BOUNDARY

— — —

EASEMENT

— — —

7.0 — — —

CONTOURS (0.5m)

— — —

WATER COURSE

— — —

WATER COURSE EXTENTS

— — —

FENCE

— — —

RETAINING WALL

— — —

WATER

— — —

SEWER

— — —

GAS

— — —

COMMUNICATIONS

— — —

ELECTRICAL ABOVE GROUND

— — —

ELECTRICAL UNDERGROUND

— — —

OPT — — —

OPTIC FIBER

— — —

TREE (TO BE RETAINED)

— — —

TREE (TO BE REMOVED)

— — —

TREE (REMOVED UNDER SEPARATE APPLICATION, DA-2023/166)

— — —

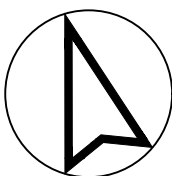
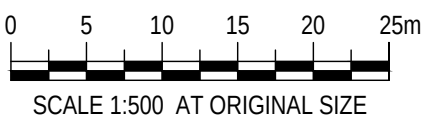
TREE (REMOVED UNDER SYDNEY WATER APPROVAL, CASE NO. 178698 WW)

— — —

TREE (REMOVED WITHIN SCOPE OF DA-2022/1249)

- NOTES:
- AERIAL IMAGERY SOURCED FROM NEARMAP (DATE 4TH OF APRIL 2022).
 - EXISTING SURVEY INFORMATION SOURCED FROM DETAIL AND LEVEL SURVEY (JOB NO: 190755) PREPARED BY VERIS DATED MAY 2020.
 - RETENTION OF EXISTING HERITAGE ITEMS AND MINIMUM WORKS CLEARANCES TO BE CONFIRMED BY SUITABLY QUALIFIED HERITAGE CONSULTANT.
 - FOR REMOVAL OF EXISTING SEWER REFER TO THE SEWER ADJUSTMENT PLANS PREPARED BY SYDNEY WATER (CASE NO: 178698WW)

6	24.01.25	ADDITIONAL TREES PRESENT WITHIN VIEWPORT	JRC	AG
5	24.09.24	UPDATED FOR APPROVAL	SCM	SS
4	12.09.23	UPDATED FOR APPROVAL	CB	SS
3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS
REV	DATE	DESCRIPTION	AMD BY	APP BY



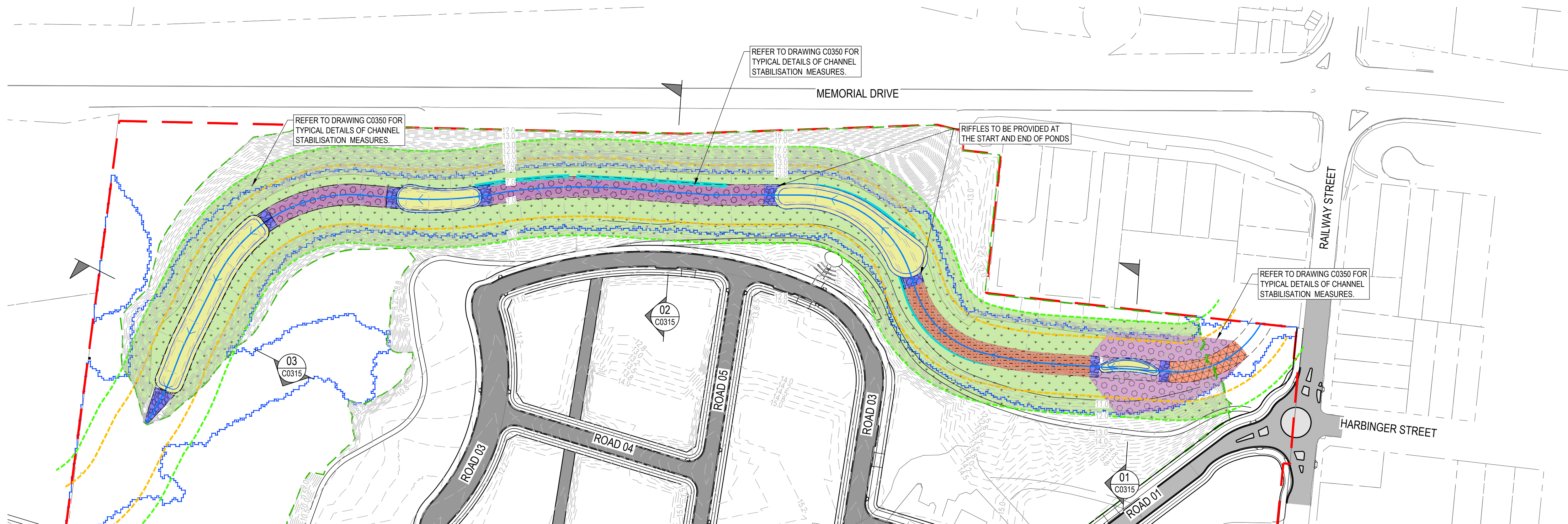
DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	
NOT FOR CONSTRUCTION	

CORRIMAL COKE WORKS
DEVELOPMENT
CIVIL WORKS
LAYOUT PLAN

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00452-16-C0102	3 OF 3	A1	6

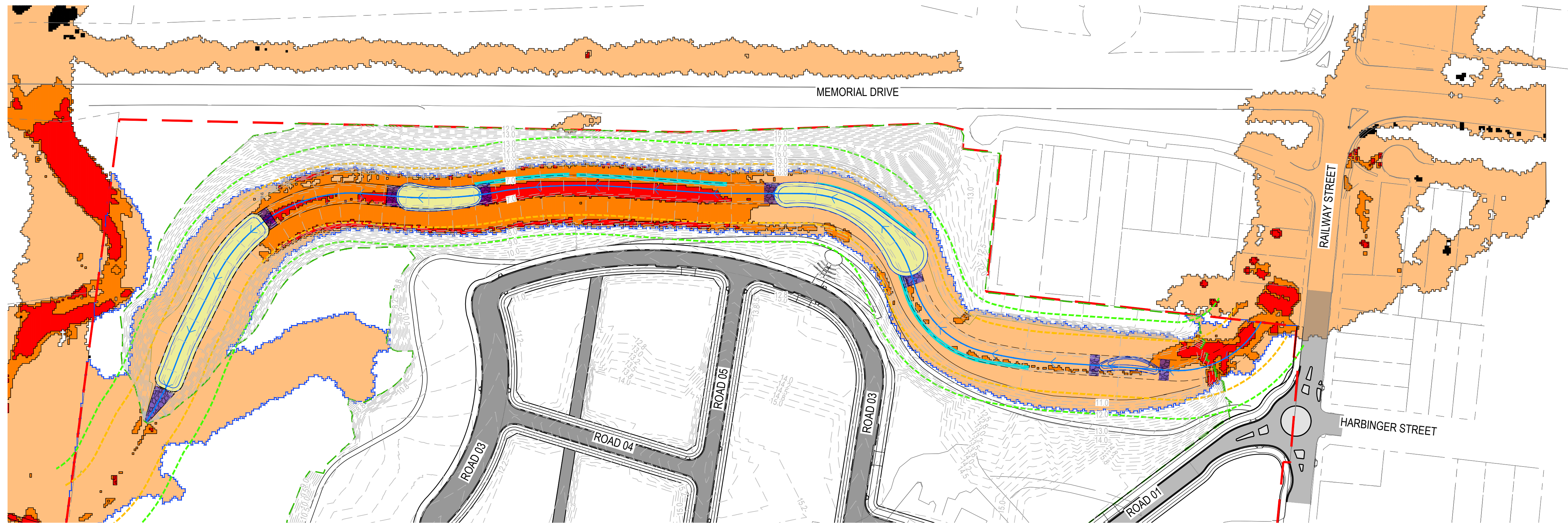
Jared Calver - 1/24/2025 11:16 AM

MKR00452-16-C010.dwg



CREEK ALIGNMENT - CHANNEL TREATMENTS

SCALE 1:1250



CREEK ALIGNMENT - SHEAR STRESS

SCALE 1:1250

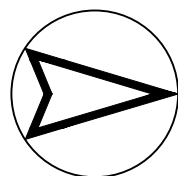
PROPOSED		LEGEND
	SITE BOUNDARY	
	EXTENT OF WORKS	
	CREEK REALIGNMENT	
	PONDS	
	WOOD (ENGINEERED LOG JAMS, LONGITUDINAL BANK PROTECTION)	
	VEG COIR LOGS	
	ROCK TOE REVETMENT	
	RIFFLE	
	ROCK LINED CASCADES	
	STABILISED CHANNEL	
	REVEGETATION & JUTE MESH	
	SHEAR STRESS (< 100 N/m²)	
	SHEAR STRESS (100 - 200 N/m²)	
	SHEAR STRESS (> 200 N/m²)	
	7.0	CONTOURS (1.0m)
	1% AEP FLOOD EXTENTS	
EXISTING		
	LOT BOUNDARY	
	RIPARIAN ZONE INNER BOUNDARY (RZI)	
	RIPARIAN ZONE OUTER BOUNDARY (RZO)	

- NOTES:
- SHEAR STRESS BANK TREATMENT AS FOLLOWS:
 - HIGH (>200 N/m²) - ROCK ARMOURING INCLUDING CASCADES & REVETMENT
 - MEDIUM (100 - 200 N/m²) - STABILISATION OF CHANNEL WITH VEGETATION & JUTE MESHING
 - LOW (< 100 N/m²) - STABILISATION OF CHANNEL WITH VEGETATION & JUTE MESHING

S:\projects\2024\2024-09-23\2024-09-23 PM

REV	DATE	DESCRIPTION	SCM	SS
1	23.09.24	ISSUED FOR APPROVAL	SCM	SS
		AMD BY APP BY		

0 12.5 25 37.5 50 62.5m
SCALE 1:1250 AT ORIGINAL SIZE

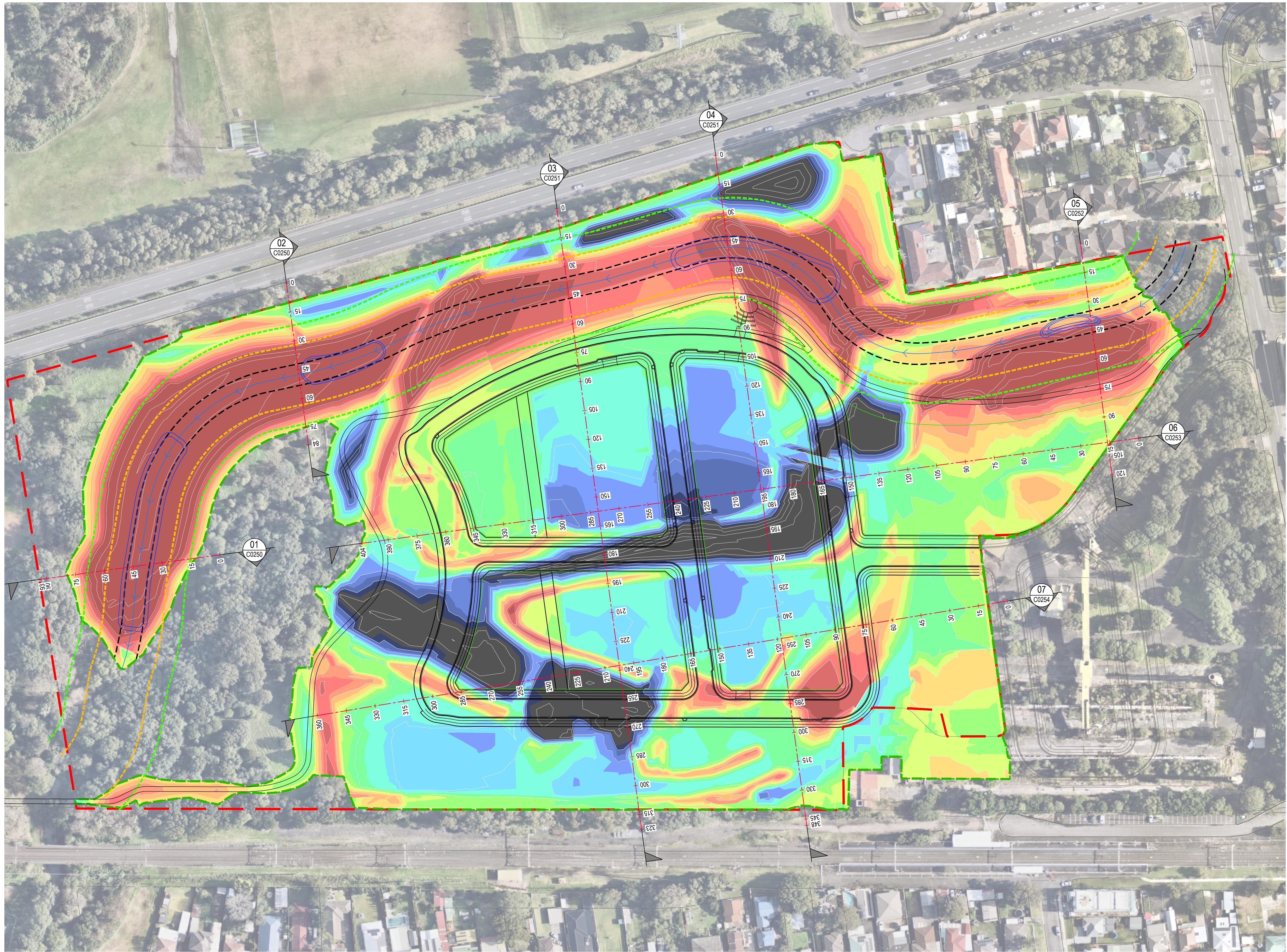


DRAWN: S.McINNES	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	
NOT FOR CONSTRUCTION	

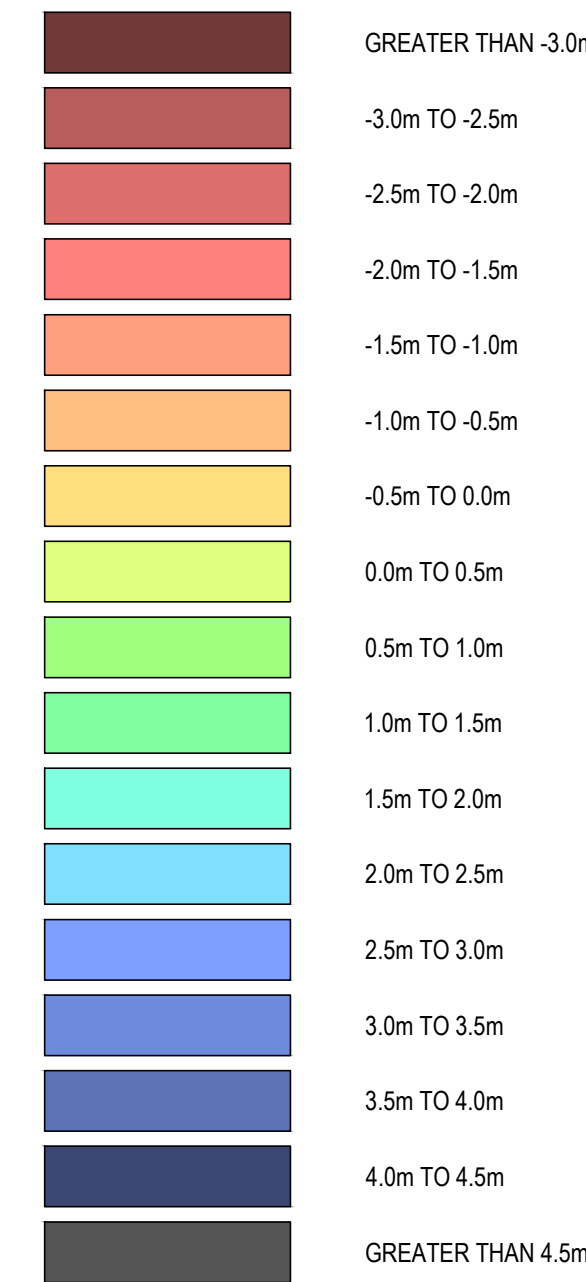
CORRIMAL COKE WORKS
DEVELOPMENT
CREEK CIVIL WORKS
LAYOUT PLAN

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00452-16-C0105		A1	1

C:\125\data\1205\ENERGY\MKR00452 Corrimal Coke Works_7202 Design\Drawings\16 BE\MKR00452-16-C0105.dwg



- PROPOSED**
- SITE BOUNDARY
 - LOT BOUNDARY
 - APPROXIMATE BASEMENT EXCAVATION PROFILE
 - OPEN DRAIN
 - RIPARIAN ZONE INNER BOUNDARY
 - RIPARIAN ZONE OUTER BOUNDARY



- EXISTING**
- LOT BOUNDARY
 - EASEMENT

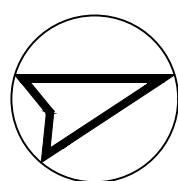
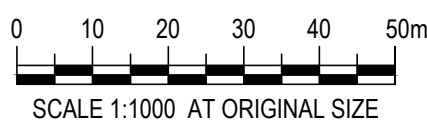
STAGE 02-04 EARTHWORKS

CUT	107,227	Cu.m
FILL	157,920	Cu.m
NET <FILL>	50,693	Cu.m

NOTES:

- VOLUMES EXCLUDE TOPSOIL STRIPPING, SERVICE TRENCHES AND PAVEMENT EXCAVATION

REV	DATE	DESCRIPTION	AMD BY	APP BY
4	23.09.24	UPDATED FOR APPROVAL	SCM	SS
3	12.09.23	UPDATED FOR APPROVAL	CB	SS
2	25.08.23	UPDATED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	
NOT FOR CONSTRUCTION	

CORRIMAL COKE WORKS
DEVELOPMENT
BULK EARTHWORKS
LAYOUT PLAN

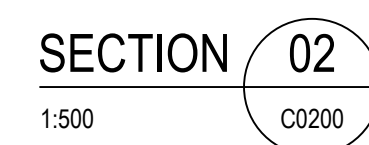
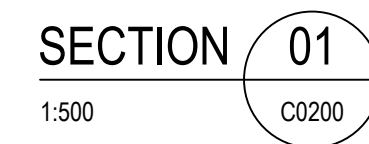
DRAWING NUMBER MKR00452-16-C0200	SHEET No.	ORIG. SIZE A1	REVISION 4
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EXISTING

- DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

1. FINISHED SURFACE LEVEL VARIES, REFER ARCHITECTURAL PLANS BY DKO ARCHITECTURE (NSW) FOR DETAILS.



0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE

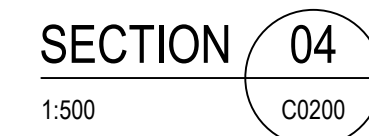
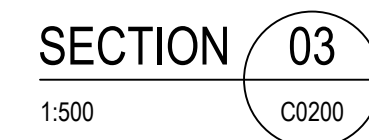


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT BULK EARTHWORKS SECTION PLAN			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL					
NOT FOR CONSTRUCTION		DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
		MKR00452-16-C0250	1 OF 5	A1	4

EXISTING

- DESIGN SURFACE LEVEL

1. FINISHED SURFACE LEVEL VARIES, REFER ARCHITECTURAL PLANS BY DKO ARCHITECTURE (NSW) FOR DETAILS.



0 5 10 15 20 25m

SCALE 1:500 AT ORIGINAL SIZE



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	

CORRIMAL COKE WORKS
DEVELOPMENT
BULK EARTHWORKS
SECTION PLAN

APPROVED: S.SAIYANMONTAKUL

NOT FOR CONSTRUCTION

DRAWING NUMBER	MKB00452-16-C0251
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SHEET No.	ORIG. SIZE	REVISION
2 OF 5	A1	4

PROPOSED

EXISTING

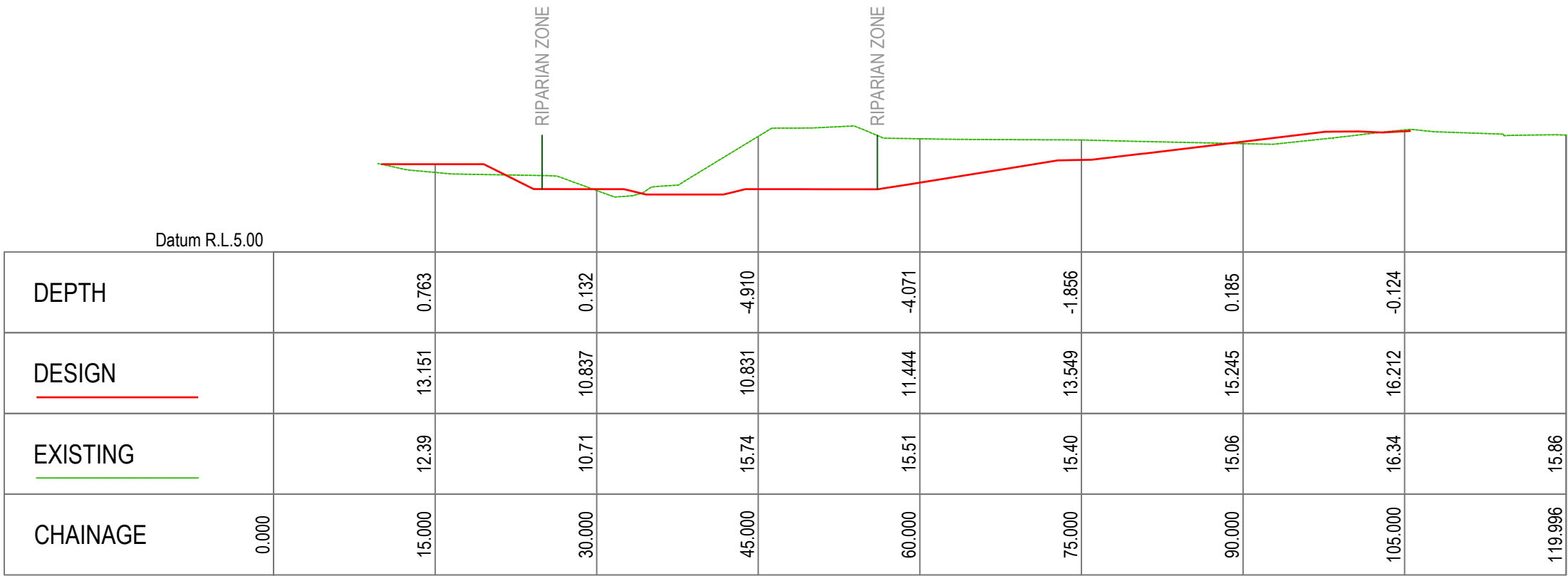
LEGEND

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

NOTES:

1. FINISHED SURFACE LEVEL VARIES, REFER ARCHITECTURAL PLANS BY DKO ARCHITECTURE (NSW) FOR DETAILS.

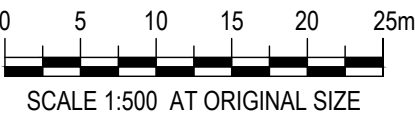


SECTION 05

1:500

C0200

4	23.08.24	UPDATED FOR APPROVAL	SCM	SS	
3	25.08.23	UPDATED FOR APPROVAL	CB	SS	
2	26.05.23	ISSUED FOR APPROVAL	CB	SS	
1	13.03.23	ISSUED FOR APPROVAL	CB	SS	
REV	DATE	DESCRIPTION	AMD BY	APP BY	

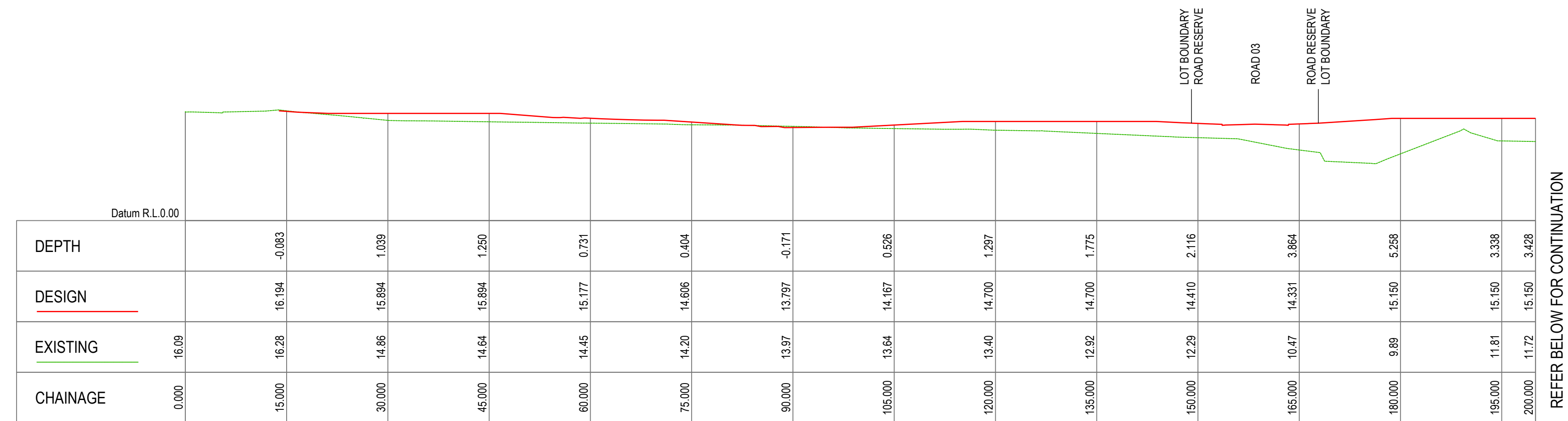


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT BULK EARTHWORKS SECTION PLAN			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL					
NOT FOR CONSTRUCTION		DRAWING NUMBER MKR00452-16-C0252	SHEET No. 3 OF 5	ORIG. SIZE A1	REVISION 4

EXISTING

- DESIGN SURFACE LEVEL

1. FINISHED SURFACE LEVEL VARIES, REFER ARCHITECTURAL PLANS BY DKO ARCHITECTURE (NSW) FOR DETAILS.



1:500



1:500

[illegible]

DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	

CORRIMAL COKE WORKS
DEVELOPMENT
BULK EARTHWORKS
SECTION PLAN

NOT FOR CONSTRUCTION

DRAWING NUMBER	MKR00452-16-C0253
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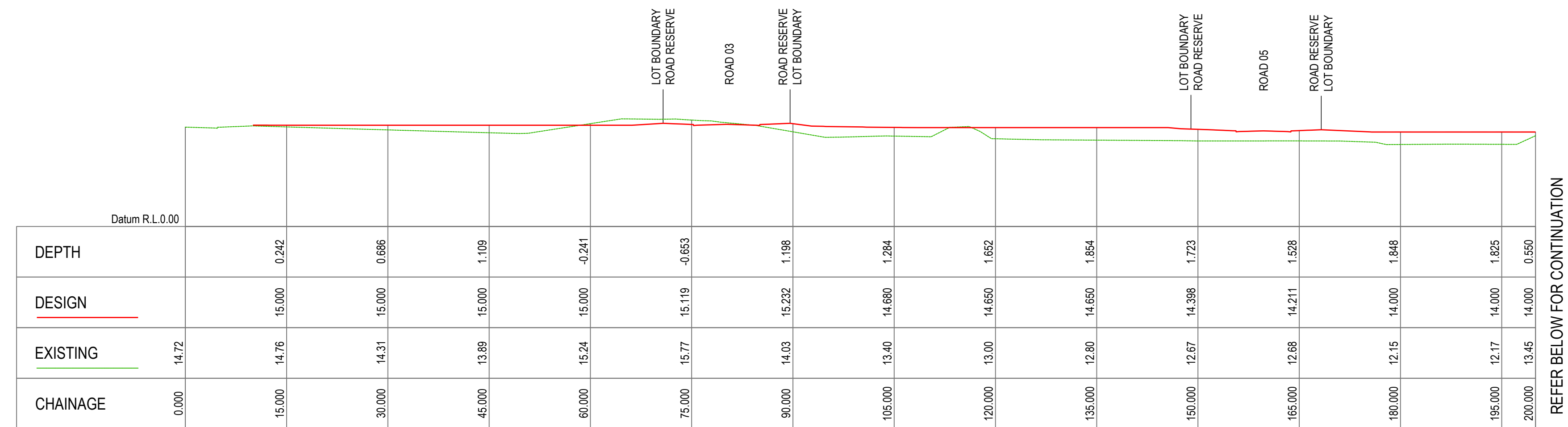
SHEET No.	ORIG. SIZE	REVISION
4 OF 5	A1	1

EXISTING

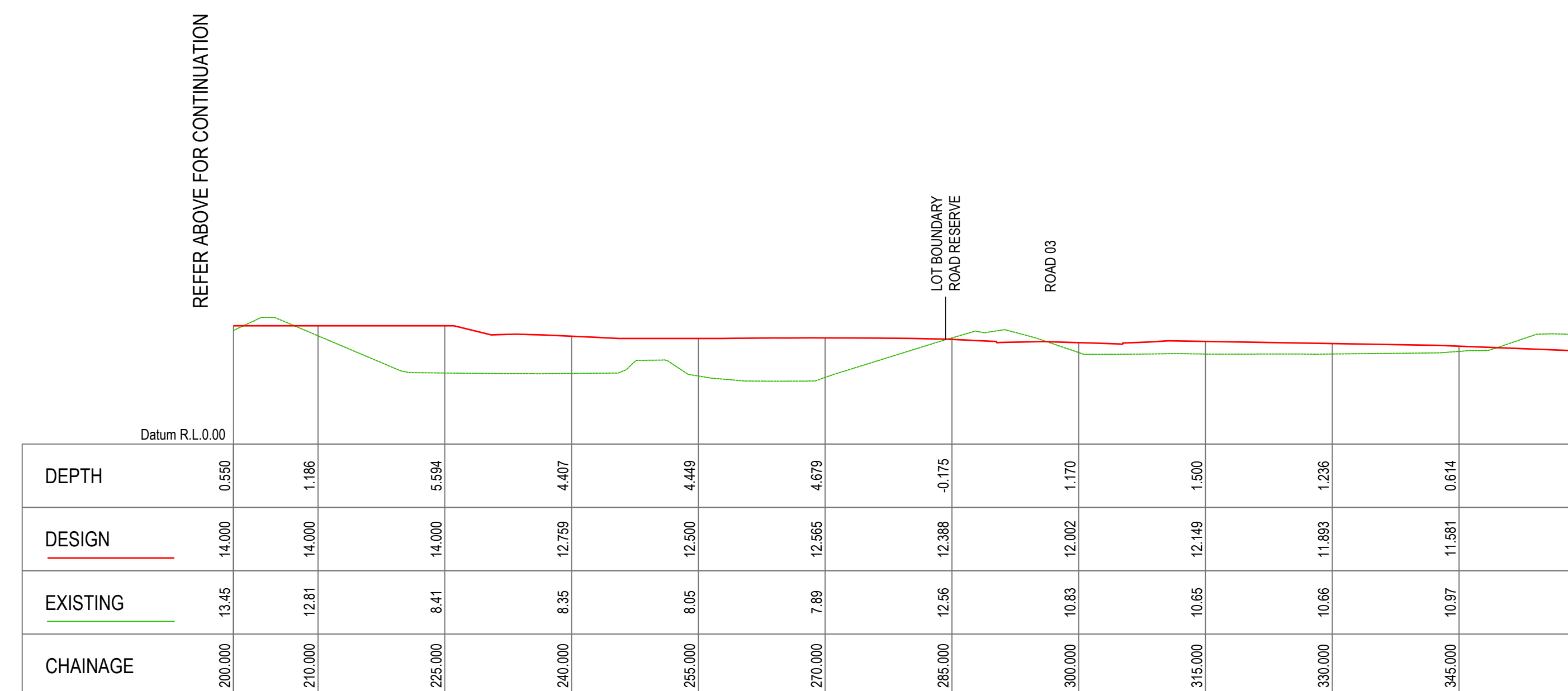
- DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

1. FINISHED SURFACE LEVEL VARIES, REFER ARCHITECTURAL PLANS BY DKO ARCHITECTURE (NSW) FOR DETAILS.



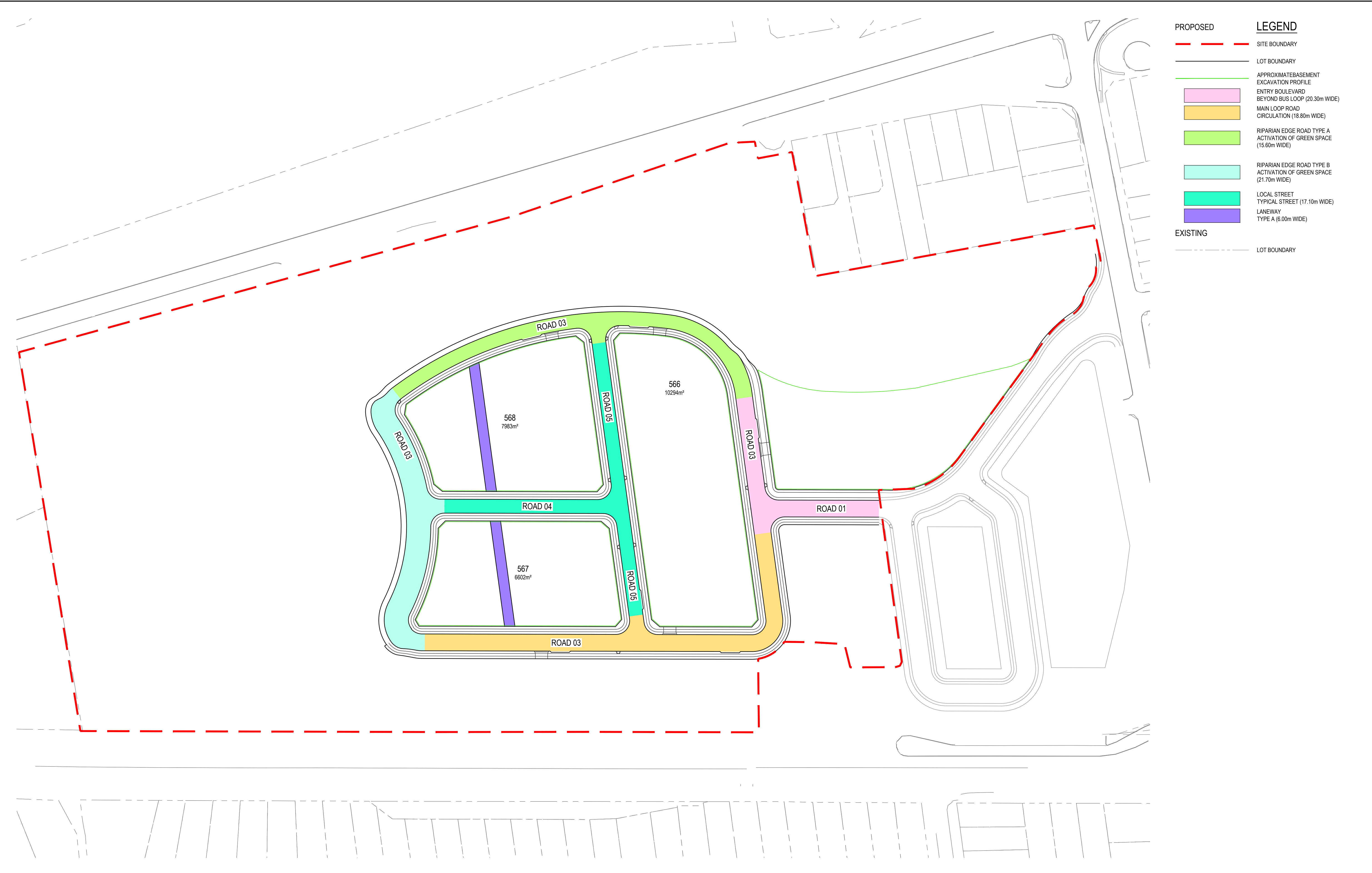
SECTION 07
1:500 C0200



SECTION 07
1:500 C0200

[illegible]

DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT BULK EARTHWORKS SECTION PLAN			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL					
NOT FOR CONSTRUCTION		DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
		MKR00452-16-C0254	5 OF 5	A1	1



PROPOSED

EXISTING

SITE BOUNDARY

LOT BOUNDARY

APPROXIMATE BASEMENT EXCAVATION PROFILE

ENTRY BOULEVARD BEYOND BUS LOOP (20.30m WIDE)

MAIN LOOP ROAD CIRCULATION (18.80m WIDE)

RIPARIAN EDGE ROAD TYPE A ACTIVATION OF GREEN SPACE (15.60m WIDE)

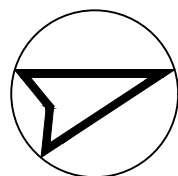
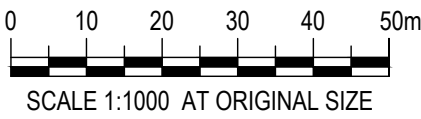
RIPARIAN EDGE ROAD TYPE B ACTIVATION OF GREEN SPACE (21.70m WIDE)

LOCAL STREET TYPICAL STREET (17.10m WIDE)

LANEWAY TYPE A (6.00m WIDE)

LOT BOUNDARY

4	23.09.24	UPDATED FOR APPROVAL	SCM	SS	
3	12.09.23	UPDATED FOR APPROVAL	CB	SS	
2	25.08.23	UPDATED FOR APPROVAL	CB	SS	
1	13.03.23	ISSUED FOR APPROVAL	CB	SS	
REV	DATE	DESCRIPTION	AMD BY	APP BY	

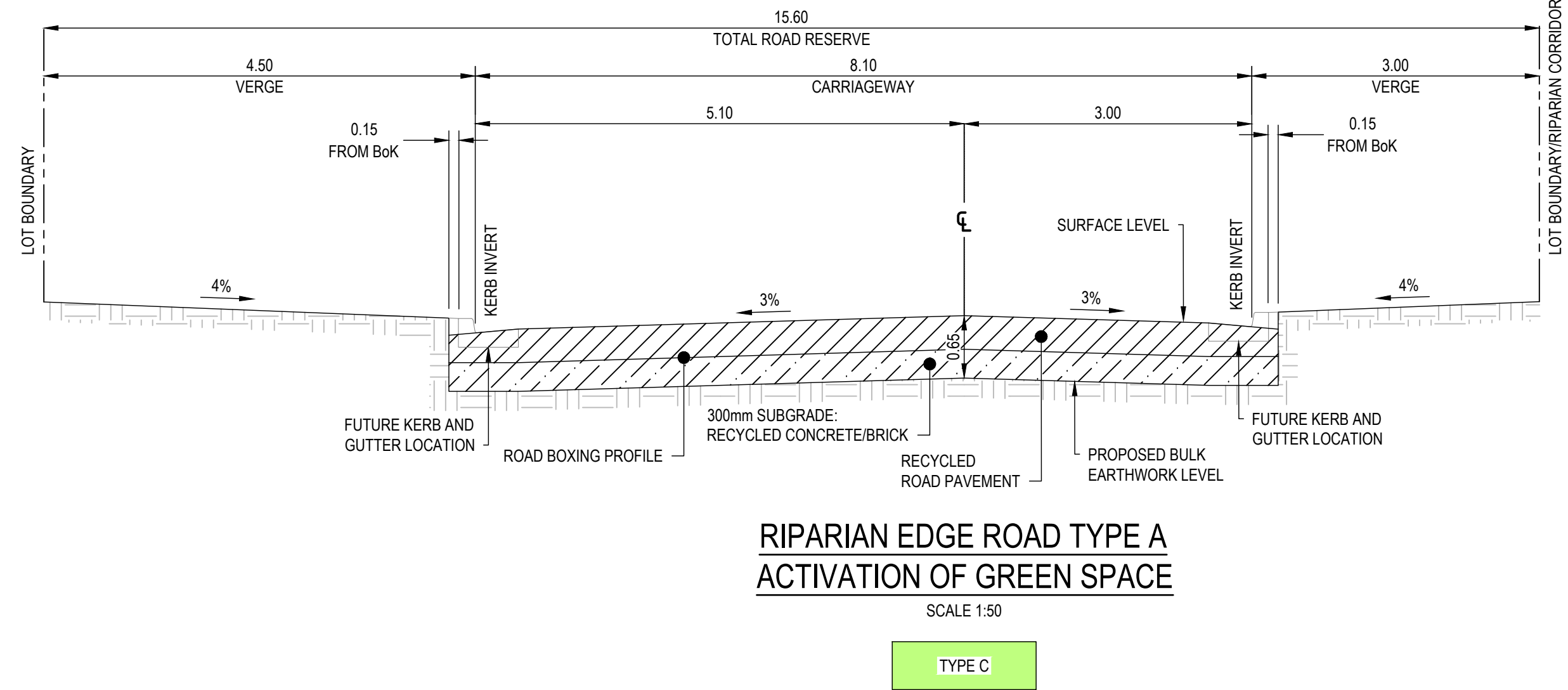
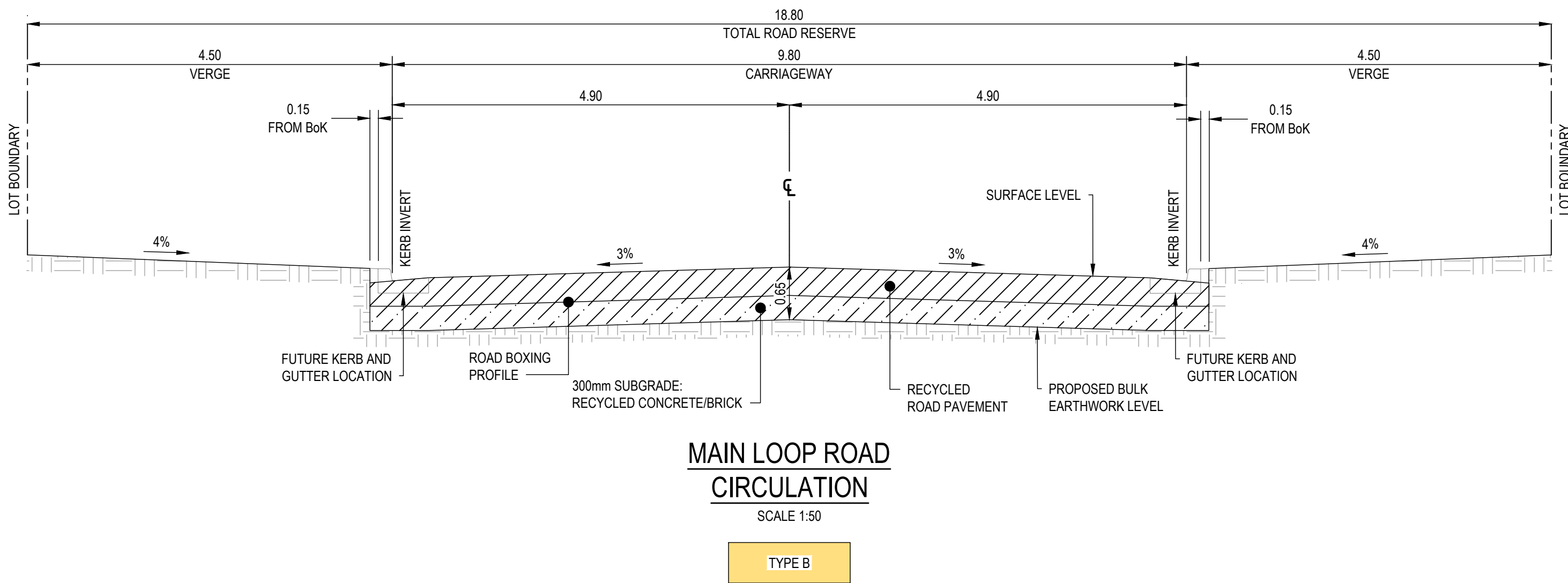
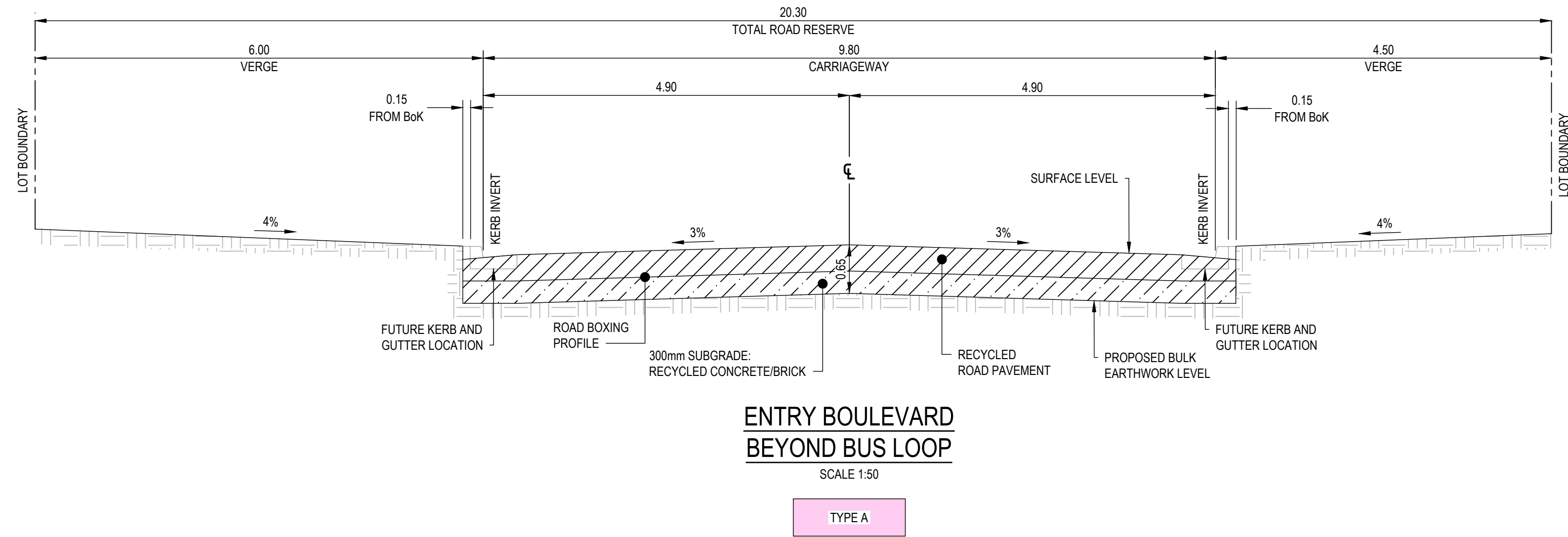


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	

NOT FOR CONSTRUCTION

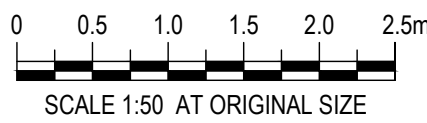
CORRIMAL COKE WORKS
DEVELOPMENT
TYPICAL ROAD
LAYOUT PLAN

DRAWING NUMBER MKR00452-16-C0300	SHEET No.	ORIG. SIZE A1	REVISION 4
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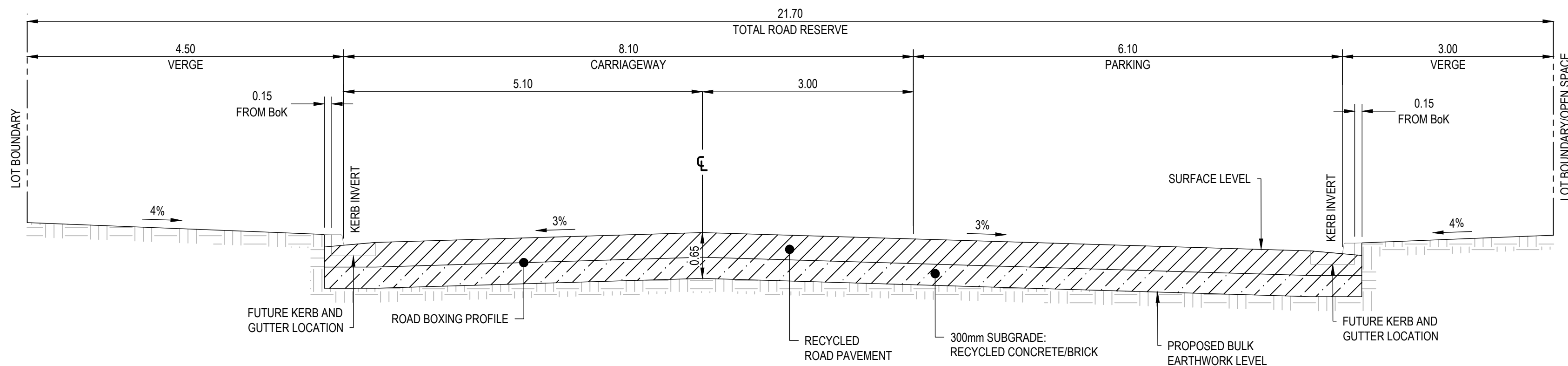
- GENERAL CONSTRUCTION NOTES
1. PAVEMENT DESIGN SUBJECT TO DETAILED DESIGN AND INVESTIGATION BY A SUITABLY QUALIFIED GEOTECHNICAL/STRUCTURAL ENGINEER

REV	DATE	DESCRIPTION	AMD BY	APP BY
4	23.08.24	UPDATED FOR APPROVAL	SCM	SS
3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



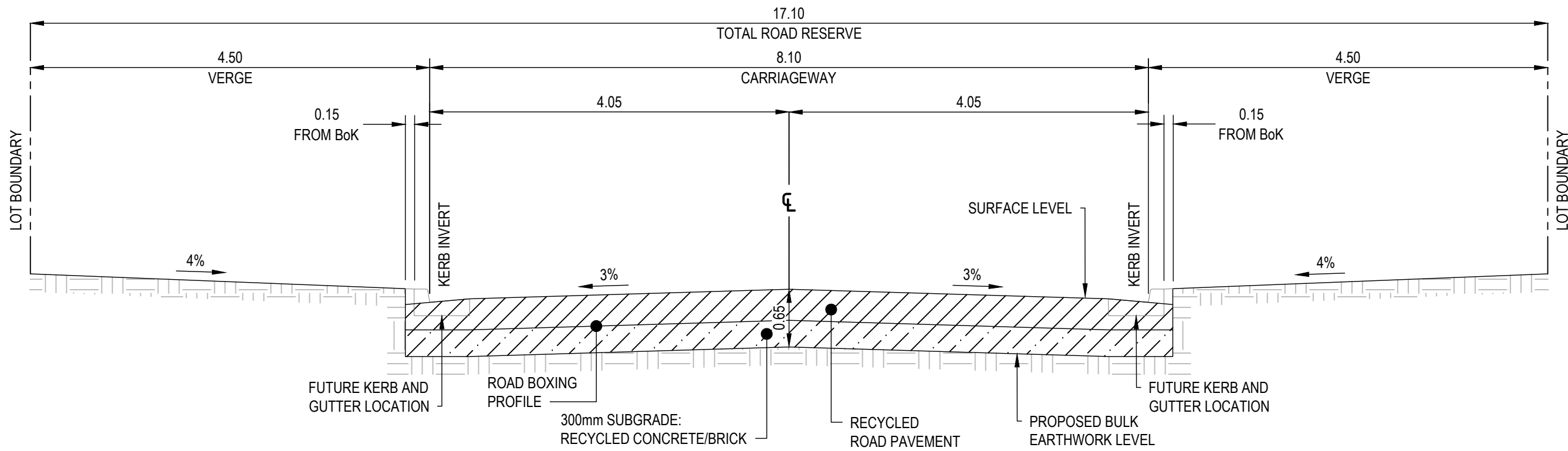
DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	
NOT FOR CONSTRUCTION	

CORRIMAL COKE WORKS DEVELOPMENT TYPICAL ROAD SECTION PLAN			
DRAWING NUMBER MKR00452-16-C0310	SHEET No. 1 OF 2	ORIG. SIZE A1	REVISION 4



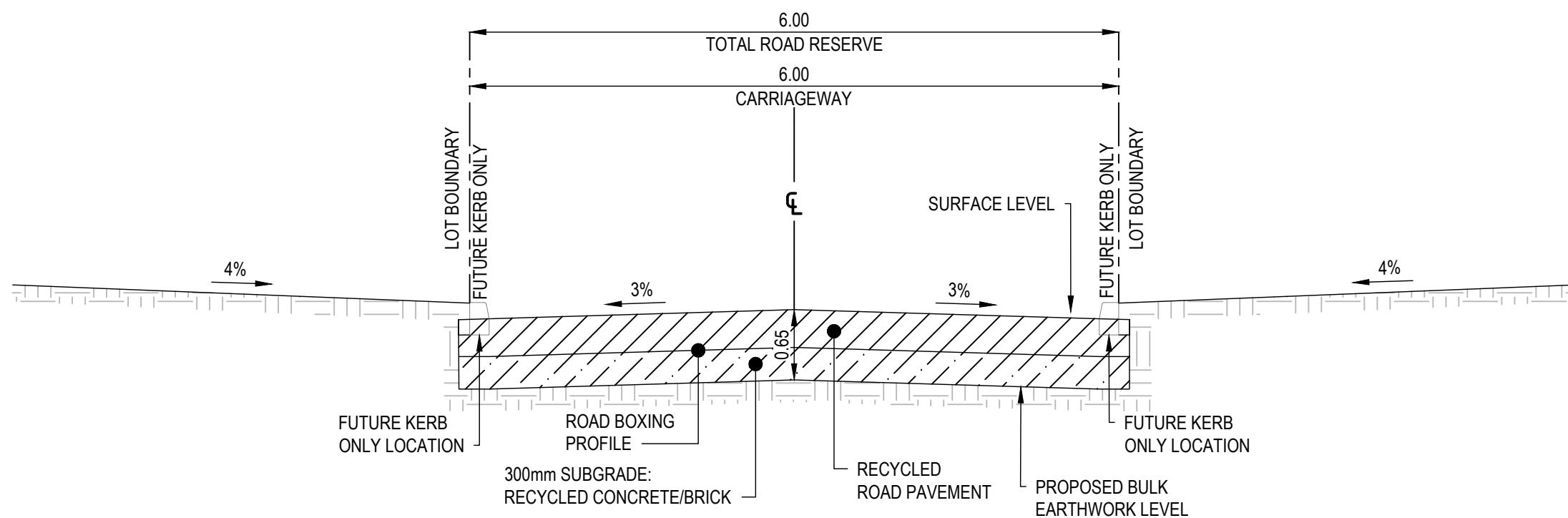
RIPERIAN EDGE ROAD TYPE B
ACTIVATION OF GREEN SPACE
SCALE 1:50

TYPE D



LOCAL STREET
TYPICAL STREET
SCALE 1:50

TYPE E



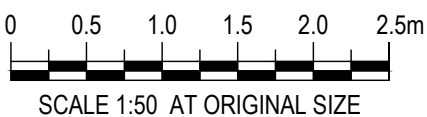
LANEWAY
TYPE A
SCALE 1:50

TYPE F

GENERAL CONSTRUCTION NOTES

1. PAVEMENT DESIGN SUBJECT TO DETAILED DESIGN AND INVESTIGATION BY A SUITABLY QUALIFIED GEOTECHNICAL/STRUCTURAL ENGINEER

REV	DATE	DESCRIPTION	AMD BY	APP BY
4	23.08.24	UPDATED FOR APPROVAL	SCM	SS
3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS

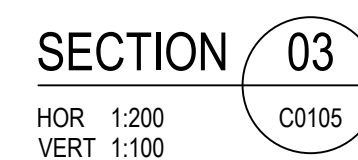
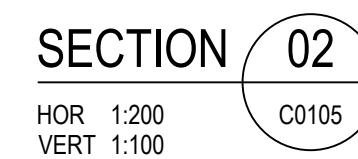
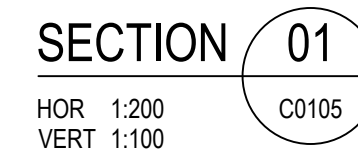
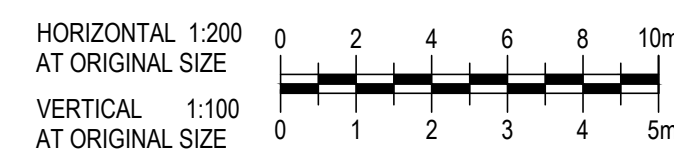


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	

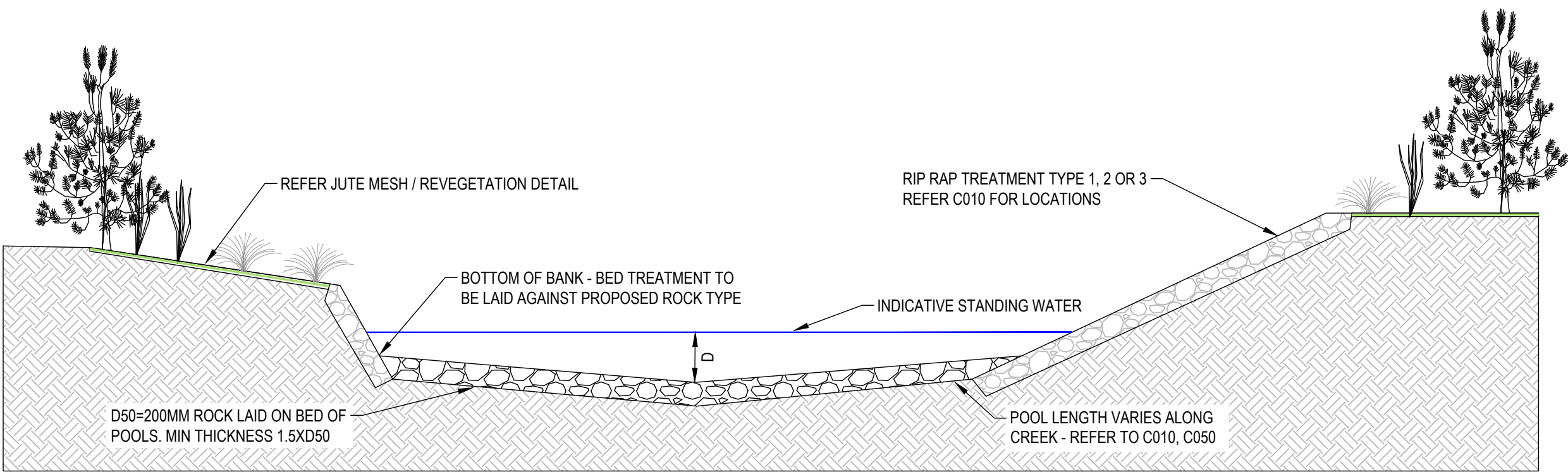
NOT FOR CONSTRUCTION

CORRIMAL COKE WORKS
DEVELOPMENT
TYPICAL ROAD
SECTION PLAN

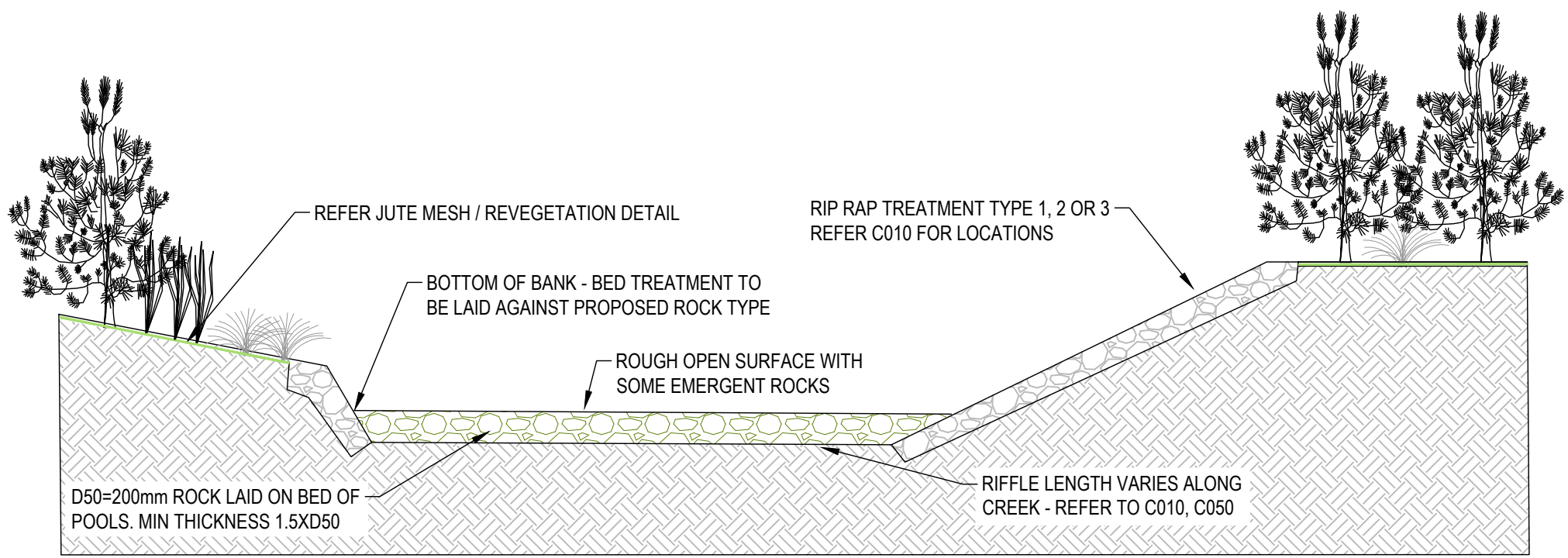
DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00452-16-C0311	2 OF 2	A1	4

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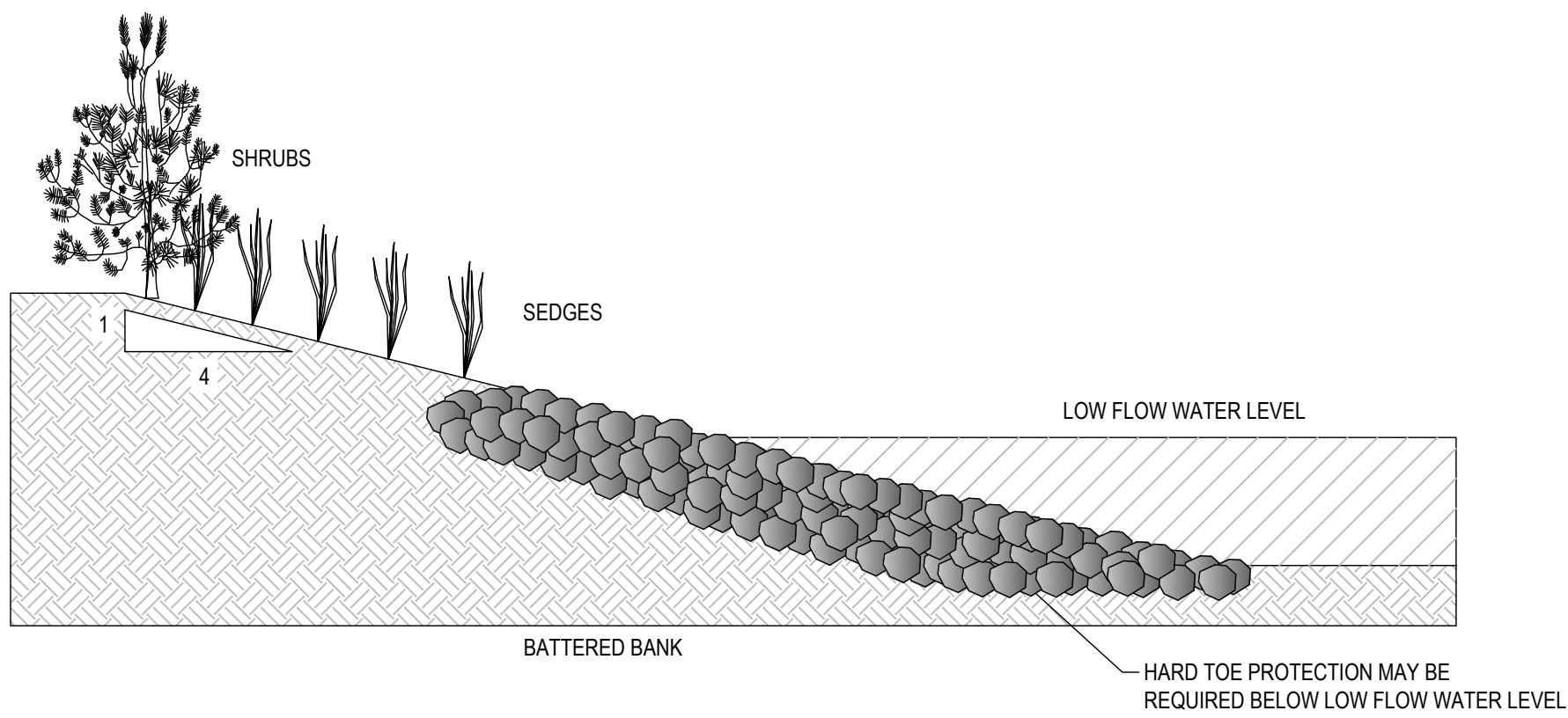
DRAWN: S.McINNES		DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT CREEK DESIGN SECTION PLAN			
DRAFT CHECK: C.WIEWIORA		DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL						
NOT FOR CONSTRUCTION			DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
			MKR00452-16-C0315		A1	1



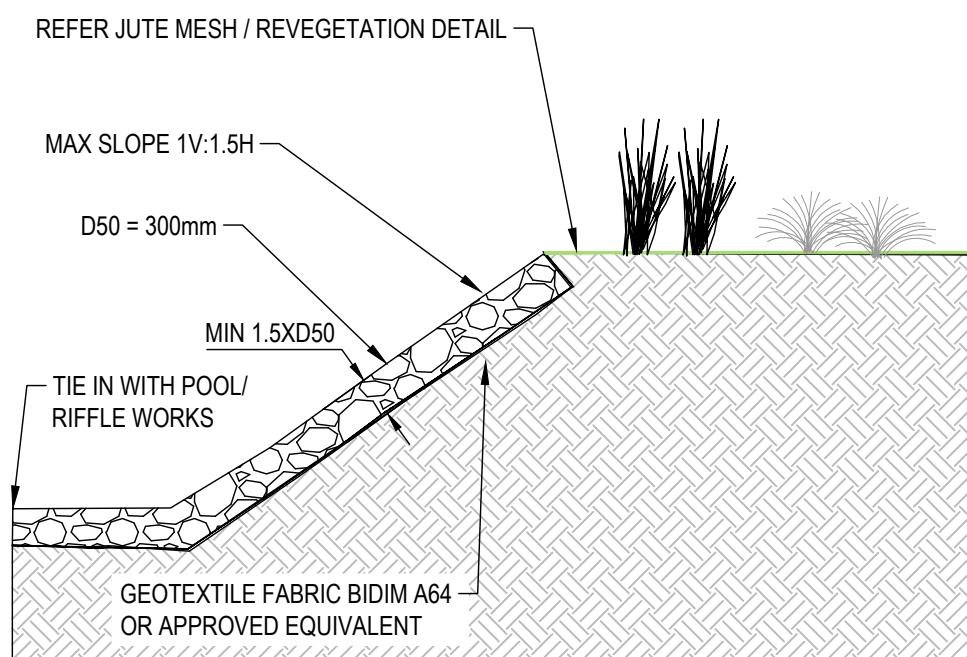
TYPICAL CREEK CROSS SECTION - POOL
N.T.S



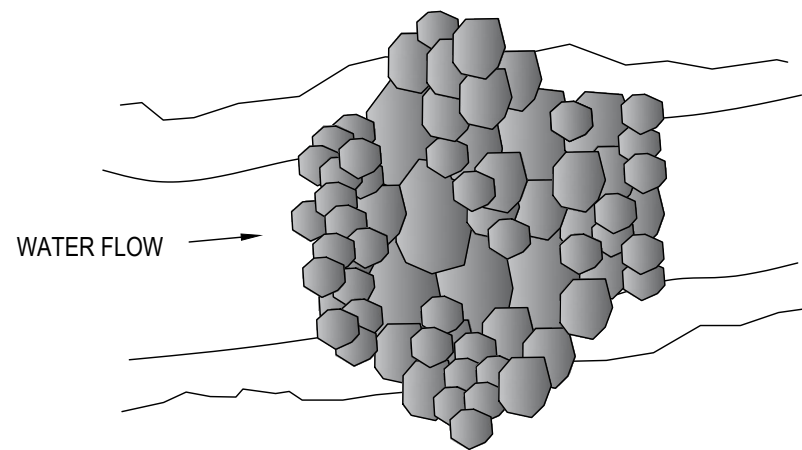
TYPICAL CREEK CROSS SECTION - RIFFLE
N.T.S



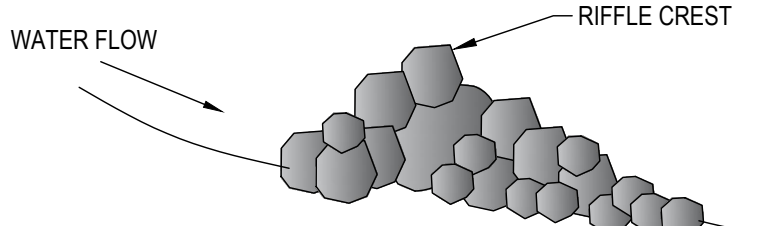
ROCK TOE REVETMENT
N.T.S



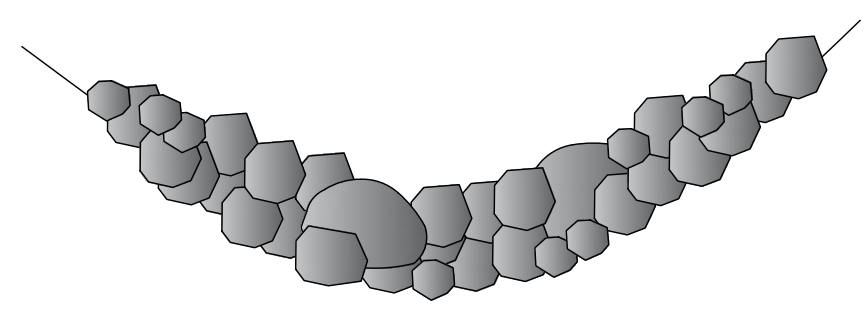
ROCK TYPE 1
N.T.S



BUILD RIFFLE CREST ACROSS THE STREAM WITH LARGE SIZED STONES. LARGE STONES SHOULD BE PLACED ABOUT 20CM APART ON THE DOWN-STREAM FACE TO FORM LOW FLOW FISH PASSAGE

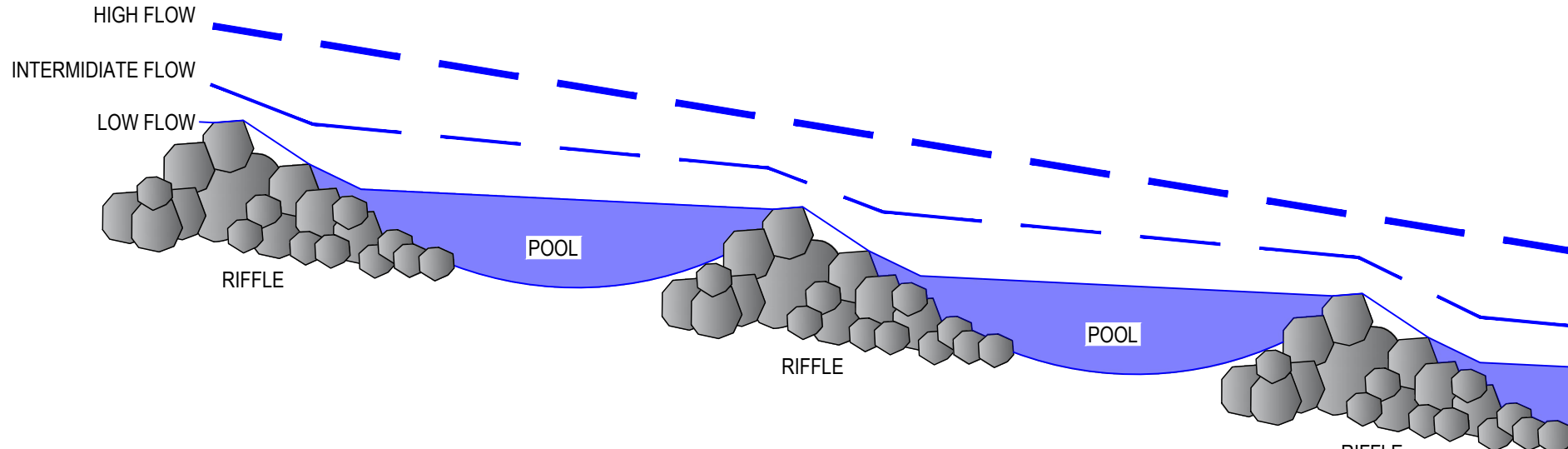


BUILD THE UPSTREAM FACE OF THE RIFFLE WITH A 1:4 SLOPE AND THE DOWNSTREAM FACE AT 1:10 (1:20 IF ENABLING FISH PASSAGE)

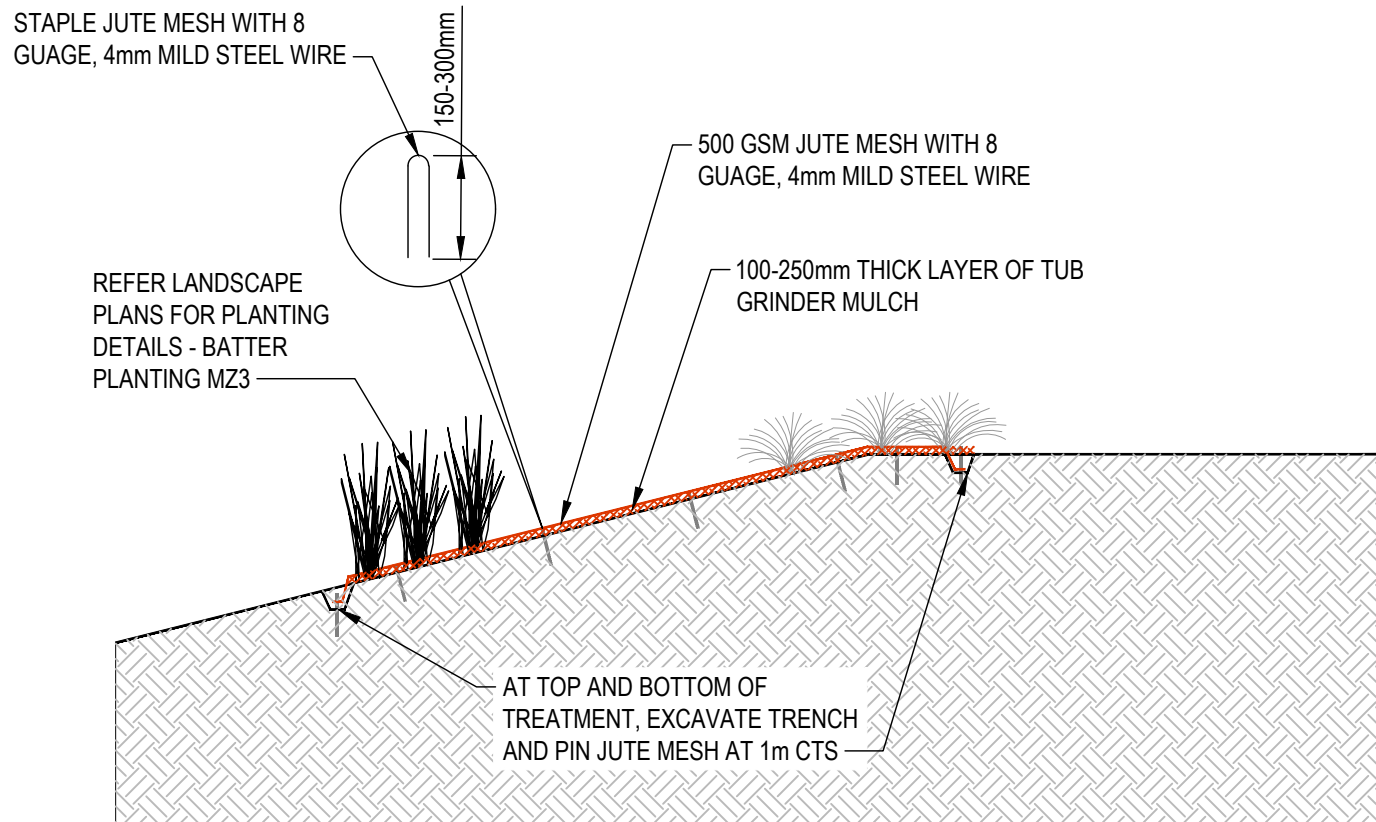


THE LOWEST SECTION OF THE RIFFLE SHOULD BE IN THE CENTRE OF THE CHANNEL. THE ROCK SHOULD EXTEND TO THE TOP OF THE CHANNEL TO PROTECT THE BANKS

RIFFLE CREST
N.T.S



TYPICAL CREEK RIFFLE LONG SECTION
N.T.S



JUTE MESH / REVEGETATION - SLOPE UP TO 1:2
N.T.S

Stephen McInnes: 9/23/2024 4:16 PM

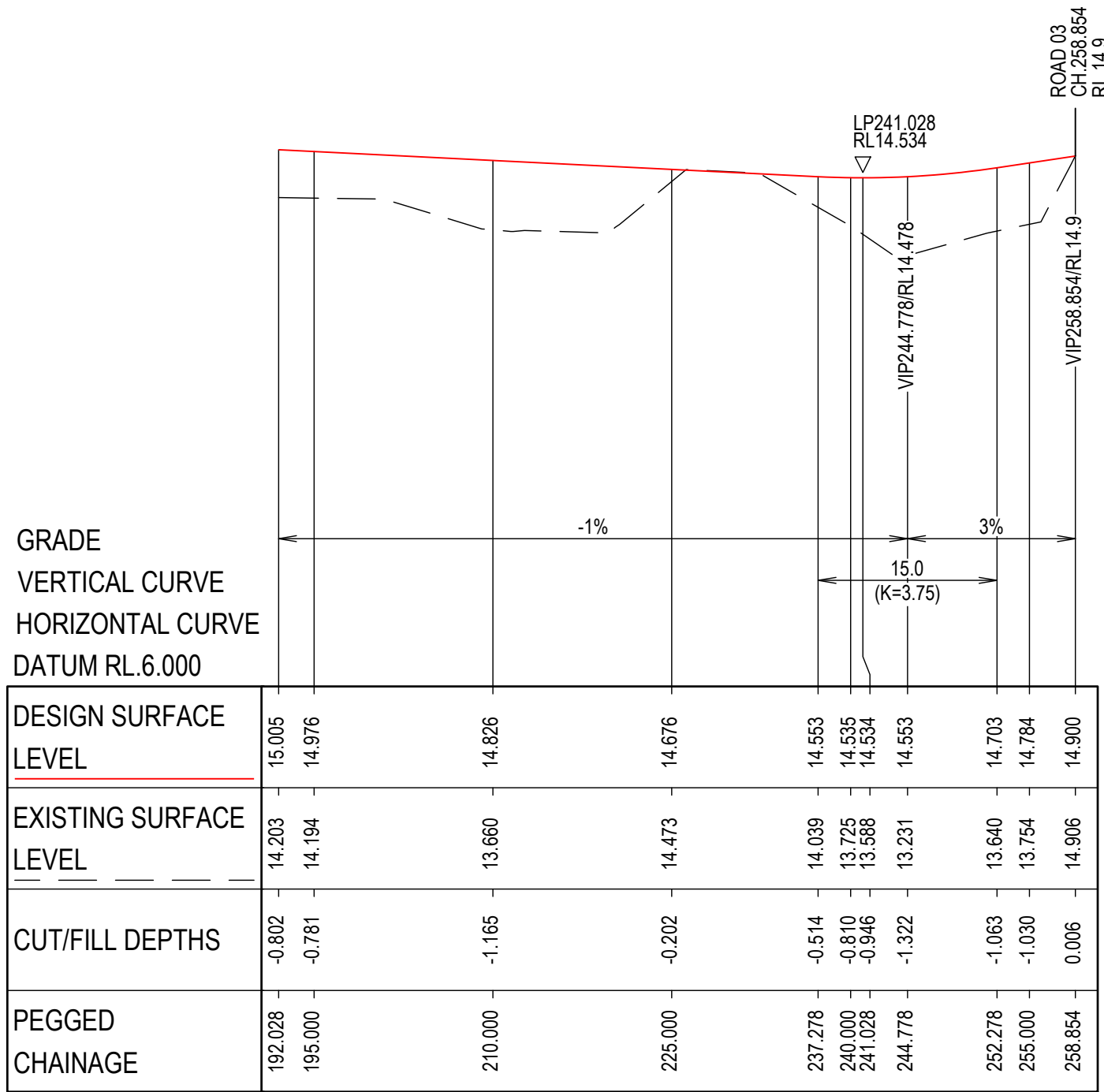
REV	DATE	DESCRIPTION	AMD BY	APP BY
1	23.09.24	ISSUED FOR APPROVAL	SCM	SS

MKR00452-16-C035.dwg



DRAWN: S.McINNES	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT CREEK DETAILS			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL					
NOT FOR CONSTRUCTION		DRAWING NUMBER MKR00452-16-C0350	SHEET No.	ORIG. SIZE A1	REVISION 1

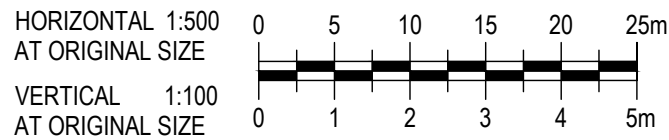
GRADE
VERTICAL CURVE
HORIZONTAL CURVE
DATUM RL.6.000



HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - ROAD 01

REV	DATE	DESCRIPTION	AMD BY	APP BY
4	23.08.24	UPDATED FOR APPROVAL	SCM	SS
3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS

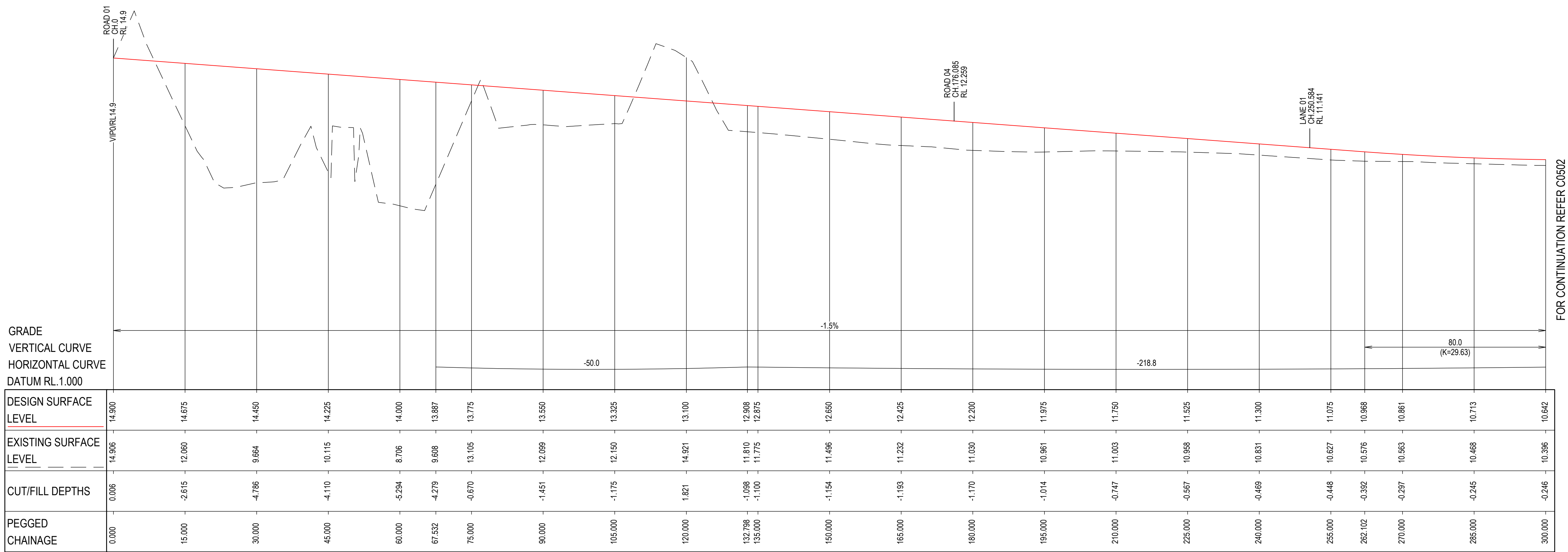


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	

NOT FOR CONSTRUCTION

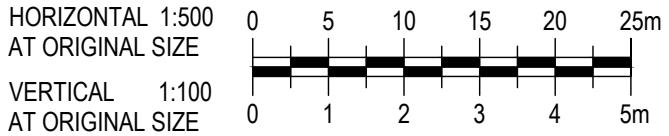
CORRIMAL COKE WORKS
DEVELOPMENT
LONGITUDINAL SECTION
ROAD 01

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00452-16-C0500	1 OF 6	A1	4

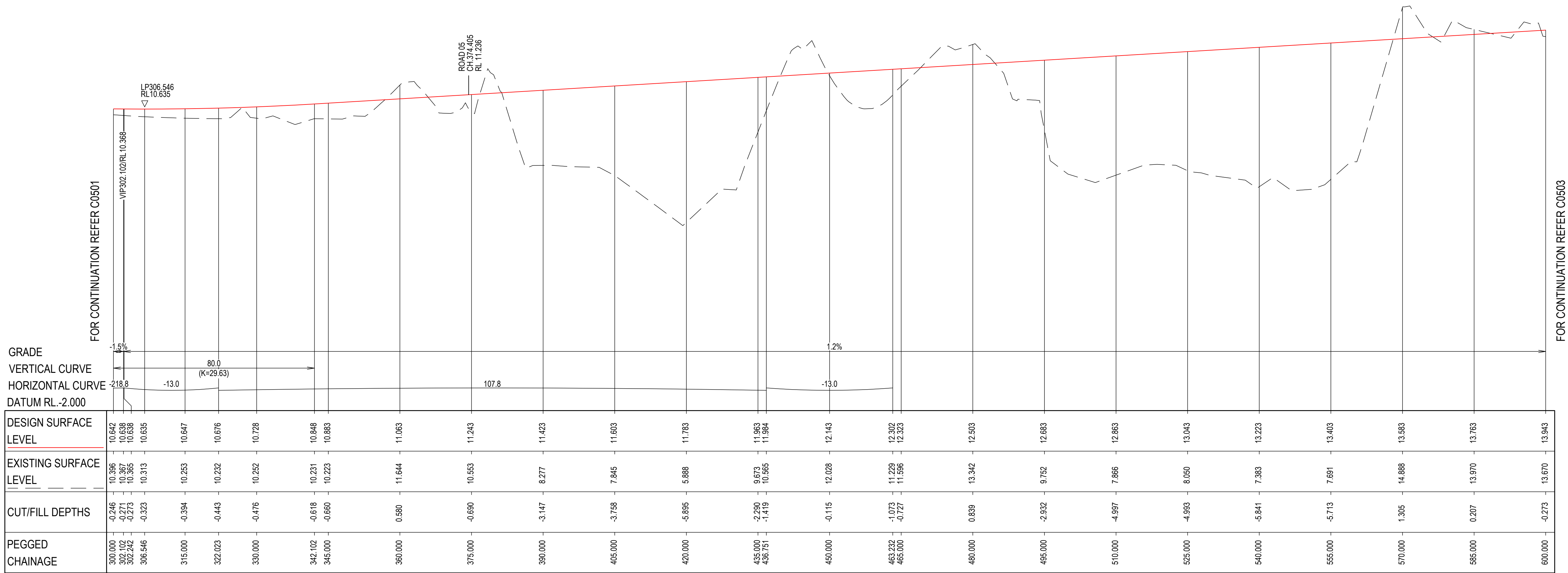


LONGITUDINAL SECTION - ROAD 03

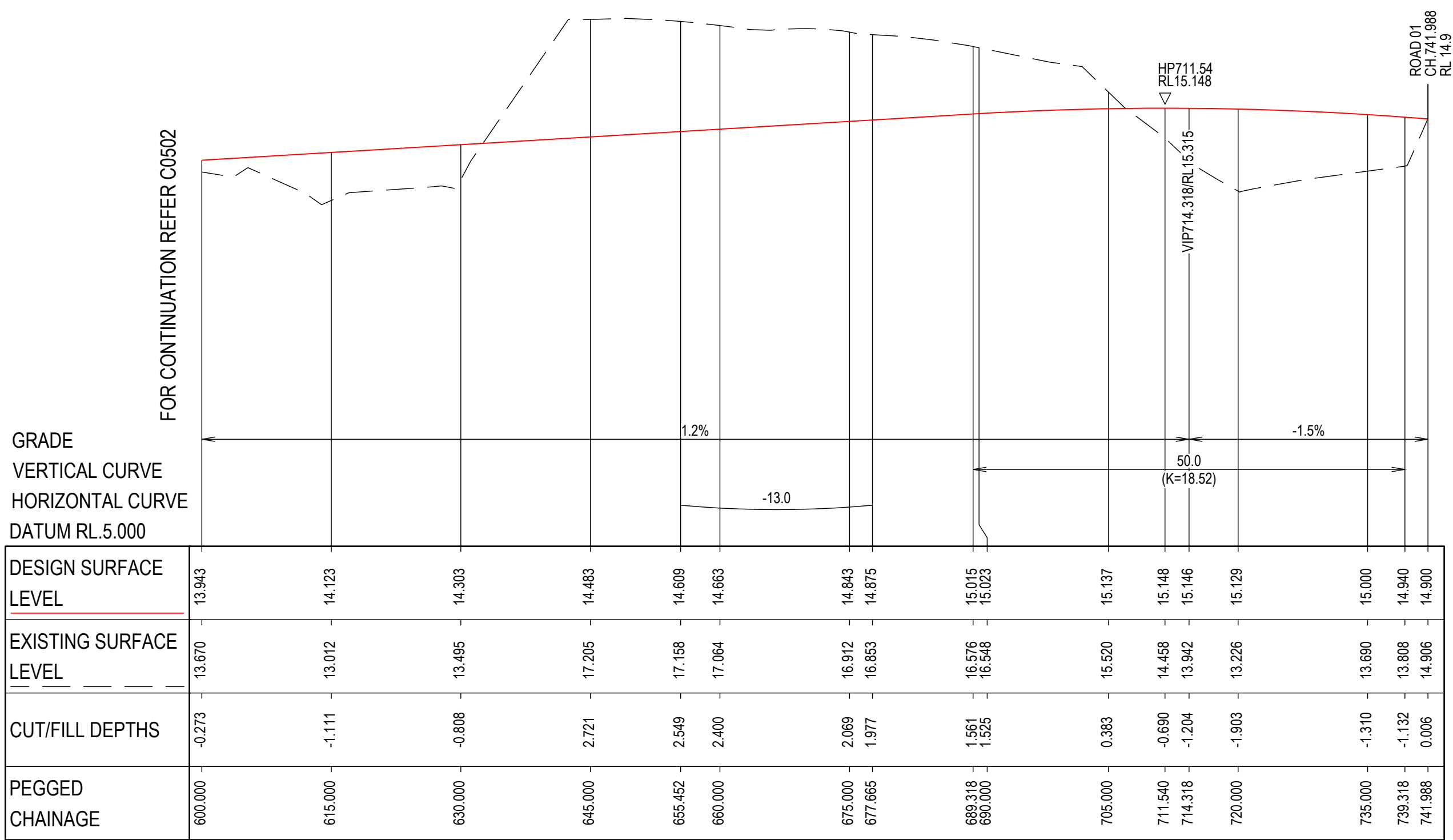
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3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT LONGITUDINAL SECTION ROAD 03			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL		DRAWING NUMBER MKR00452-16-C0501	SHEET No. 2 OF 6	ORIG. SIZE A1	REVISION 4



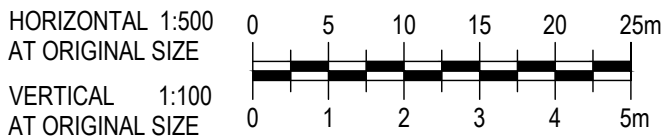
LONGITUDINAL SECTION - ROAD 03



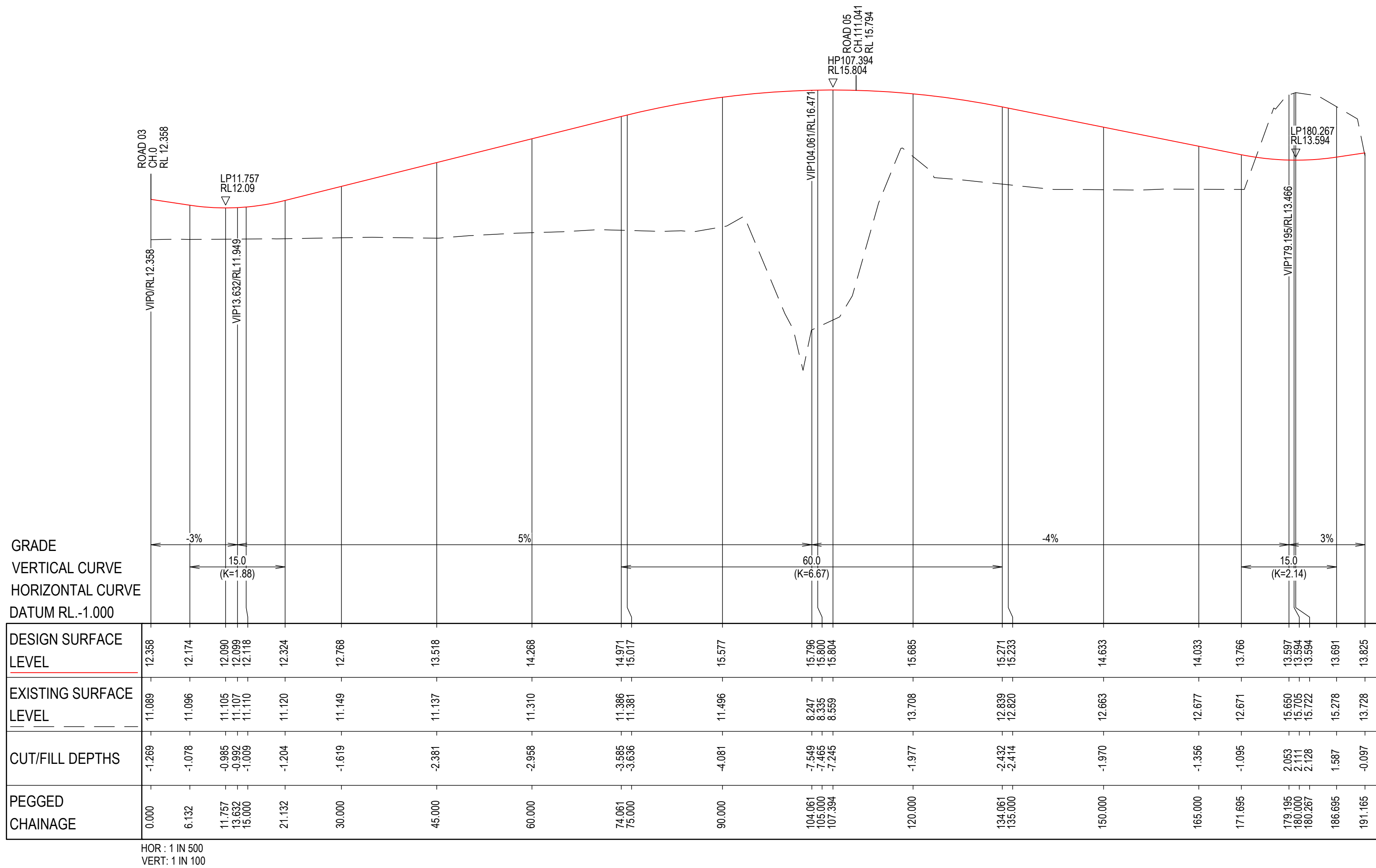
HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - ROAD 03

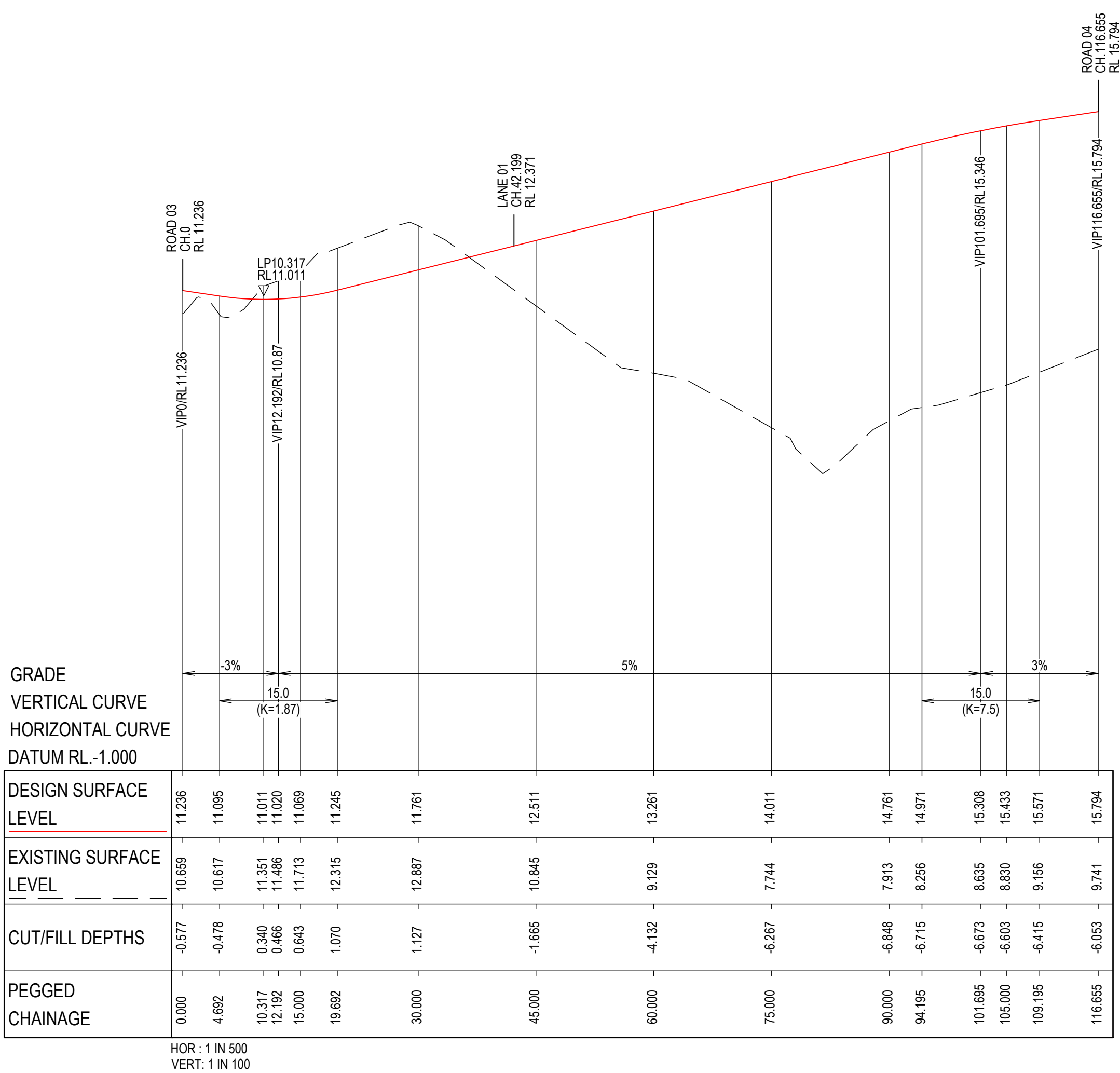
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2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT LONGITUDINAL SECTION ROAD 03			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL		DRAWING NUMBER MKR00452-16-C0503	SHEET No. 4 OF 6	ORIG. SIZE A1	REVISION 4
NOT FOR CONSTRUCTION					



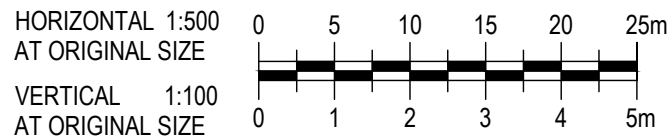
LONGITUDINAL SECTION - ROAD 04



LONGITUDINAL SECTION - ROAD 05

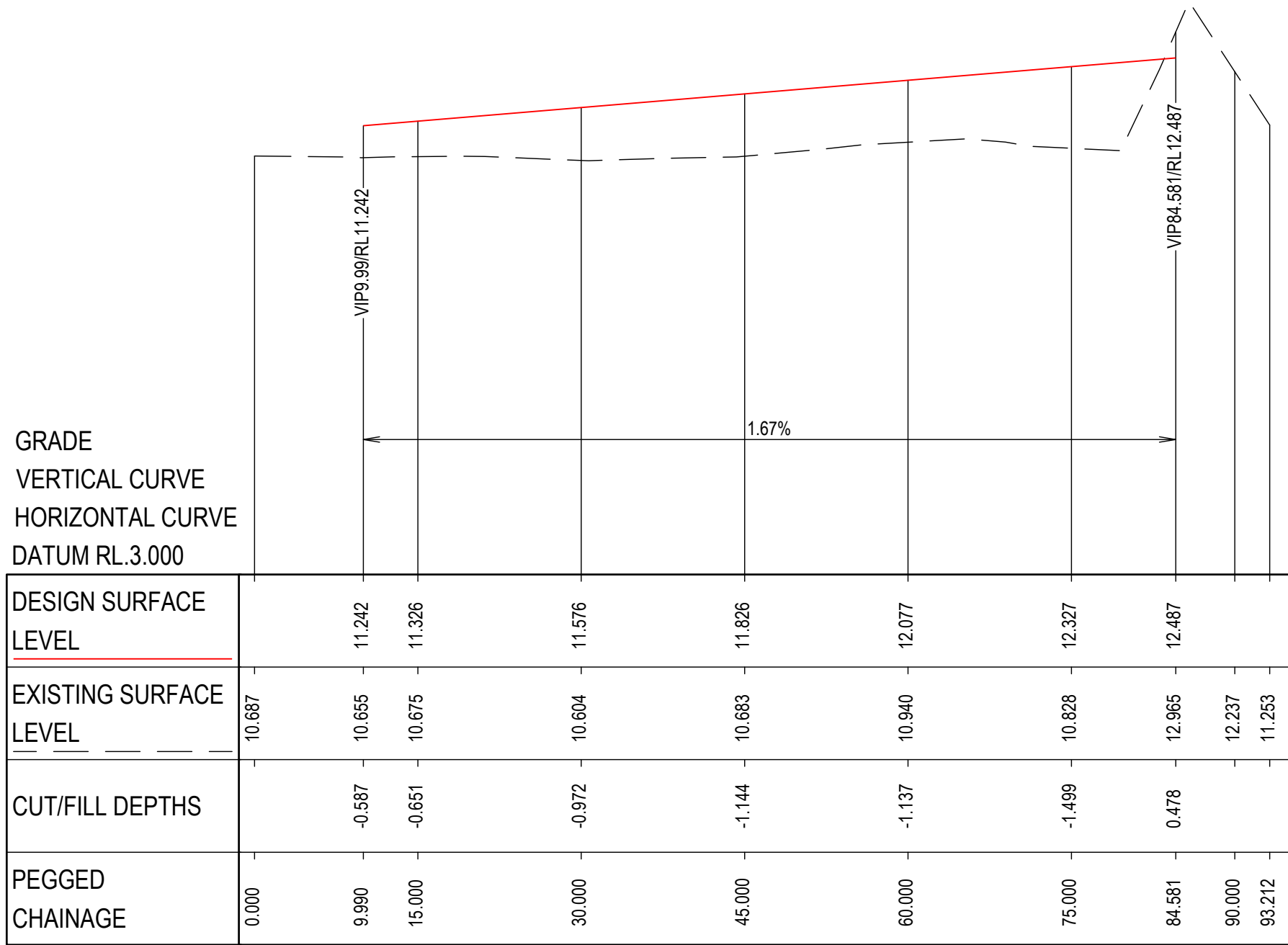
Stephen Molinas 9/20/2024 4:17 PM

REV	DATE	DESCRIPTION	AMD BY	APP BY
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3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



DRAWN: C.BALDWIN	DESIGNED: C.VIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT LONGITUDINAL SECTION ROAD 04 & ROAD 05			
DRAFT CHECK: C.VIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL		DRAWING NUMBER MKR00452-16-C0504	SHEET No. 5 OF 6	ORIG. SIZE A1	REVISION 4
NOT FOR CONSTRUCTION					

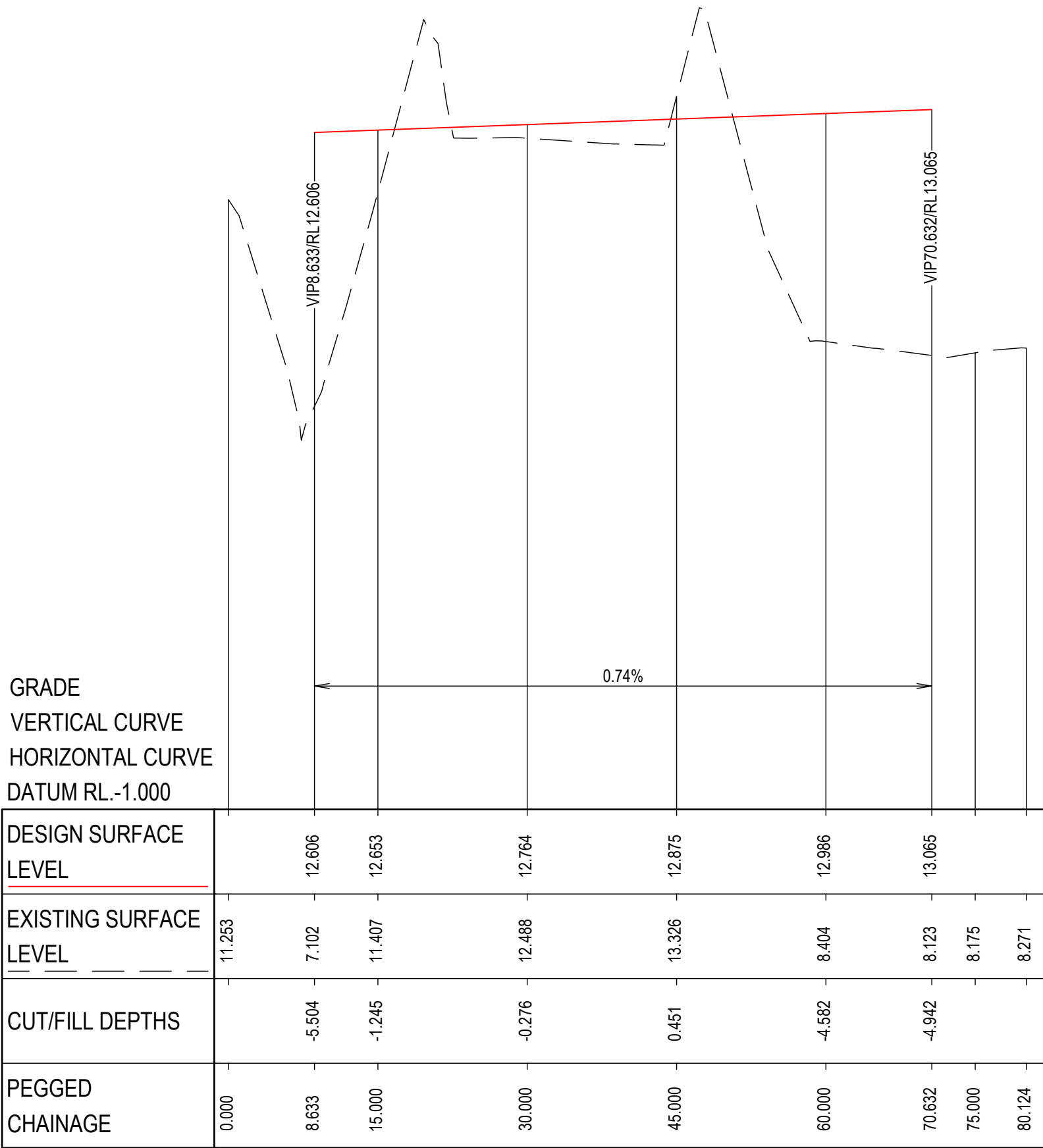
GRADE
VERTICAL CURVE
HORIZONTAL CURVE
DATUM RL.3.000



HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - LANE 01

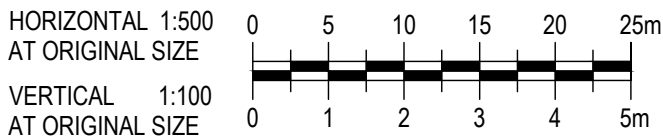
GRADE
VERTICAL CURVE
HORIZONTAL CURVE
DATUM RL.-1.000



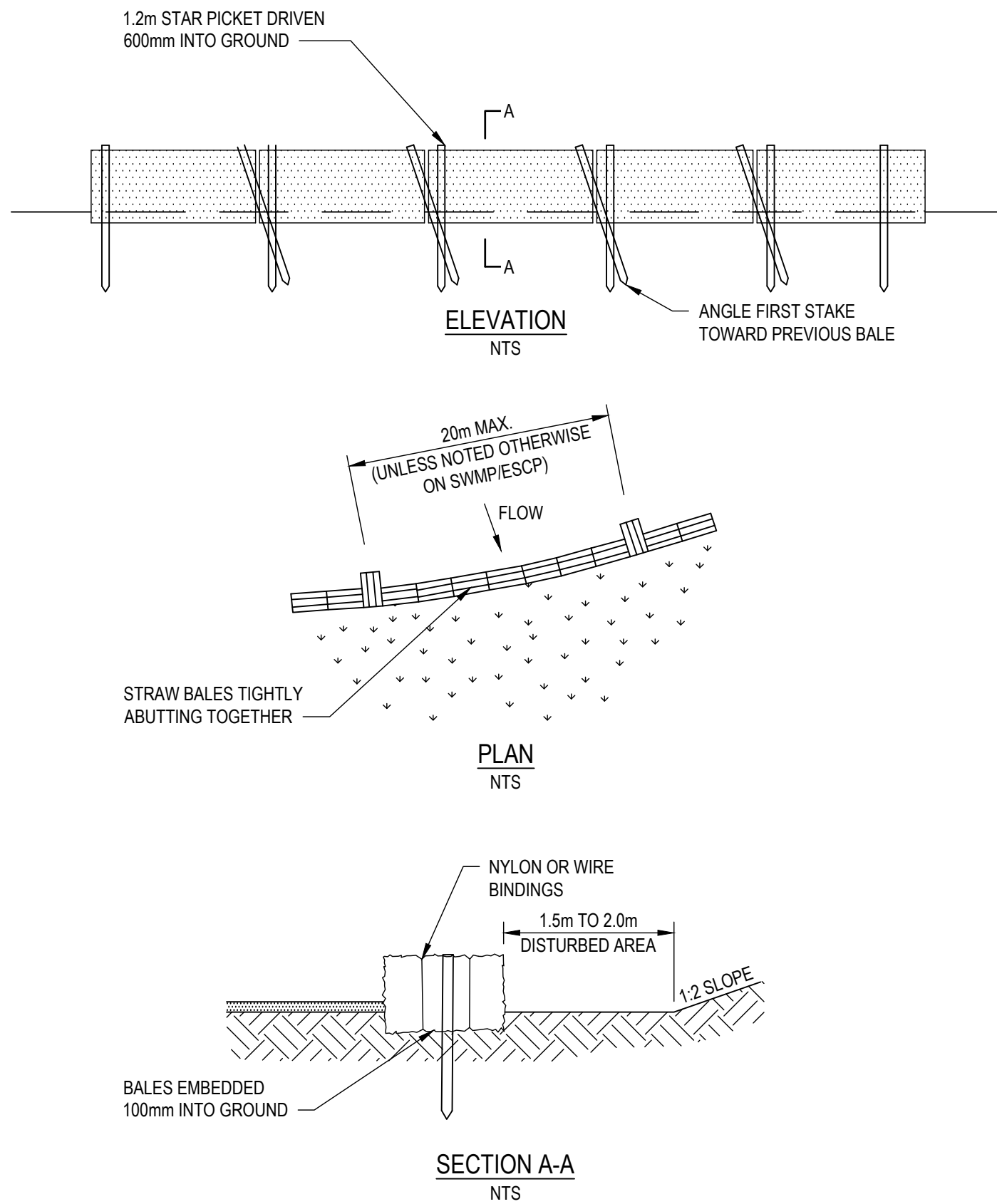
HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - LANE 02

REV	DATE	DESCRIPTION	AMD BY	APP BY
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3	25.08.23	UPDATED FOR APPROVAL	CB	SS
2	26.05.23	ISSUED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS

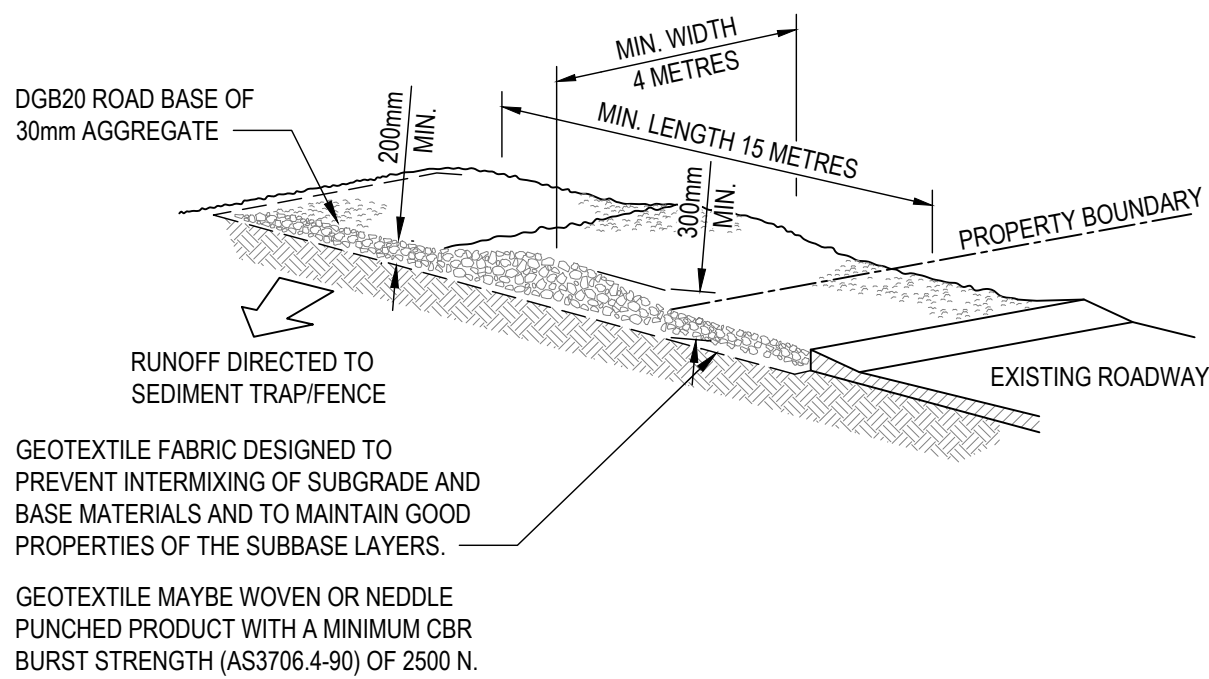


DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT LONGITUDINAL SECTION LANE 01 & LANE 02			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL		DRAWING NUMBER MKR00452-16-C0505	SHEET No. 6 OF 6	ORIG. SIZE A1	REVISION 4



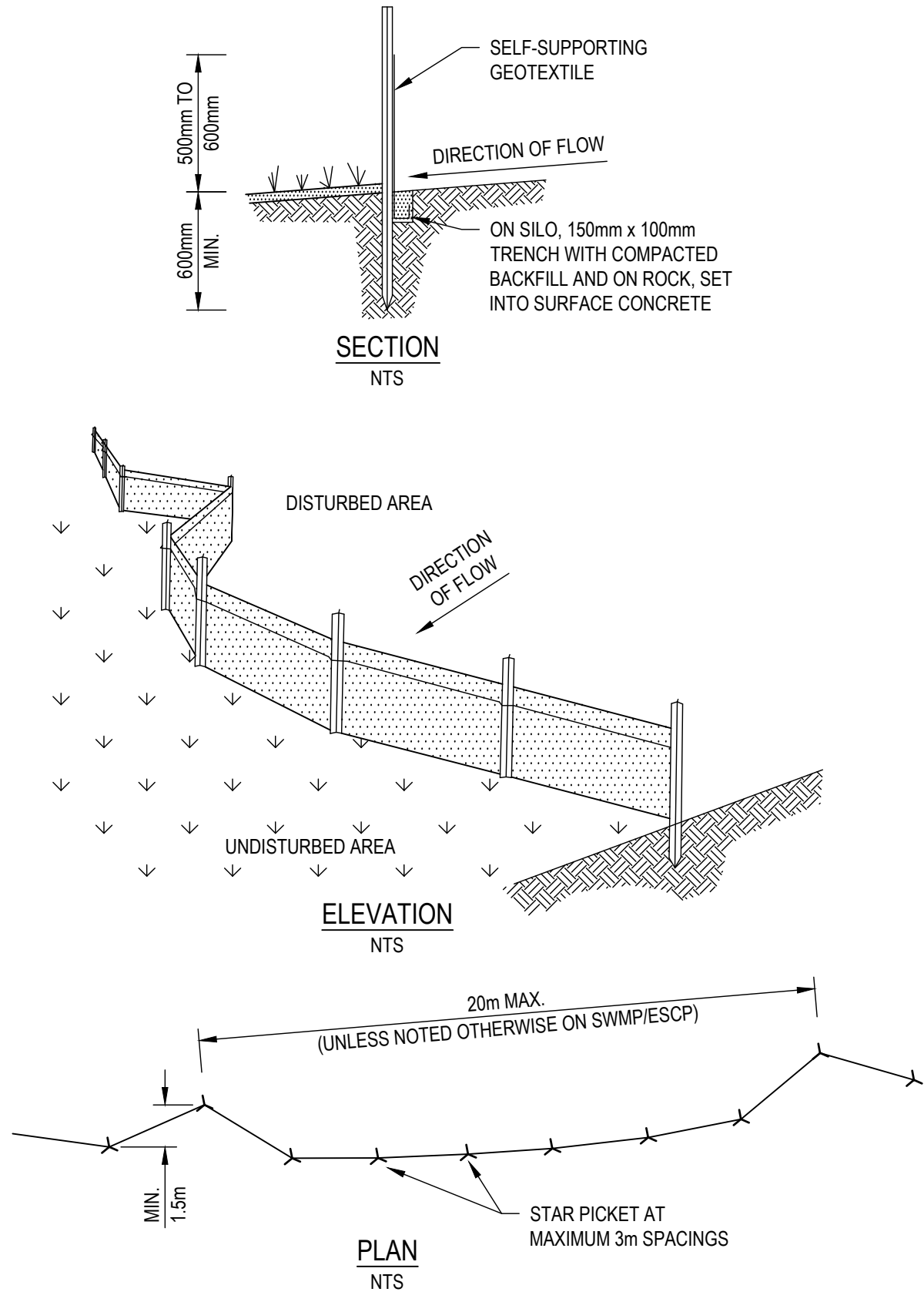
- GENERAL CONSTRUCTION NOTES:**
- CONSTRUCTION STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR THE TOE OF A SLOPE
 - PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STAIRS TO BE PLACED PARALLEL TO GROUND
 - MAXIMUM HEIGHT OF FILTER IS ONE BALE
 - ON SOFT MATERIALS, EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 STAR PICKETS. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES
 - WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM THE TOE OF THE BATTER

STRAW BALE FILTER SD 6-7
NTS



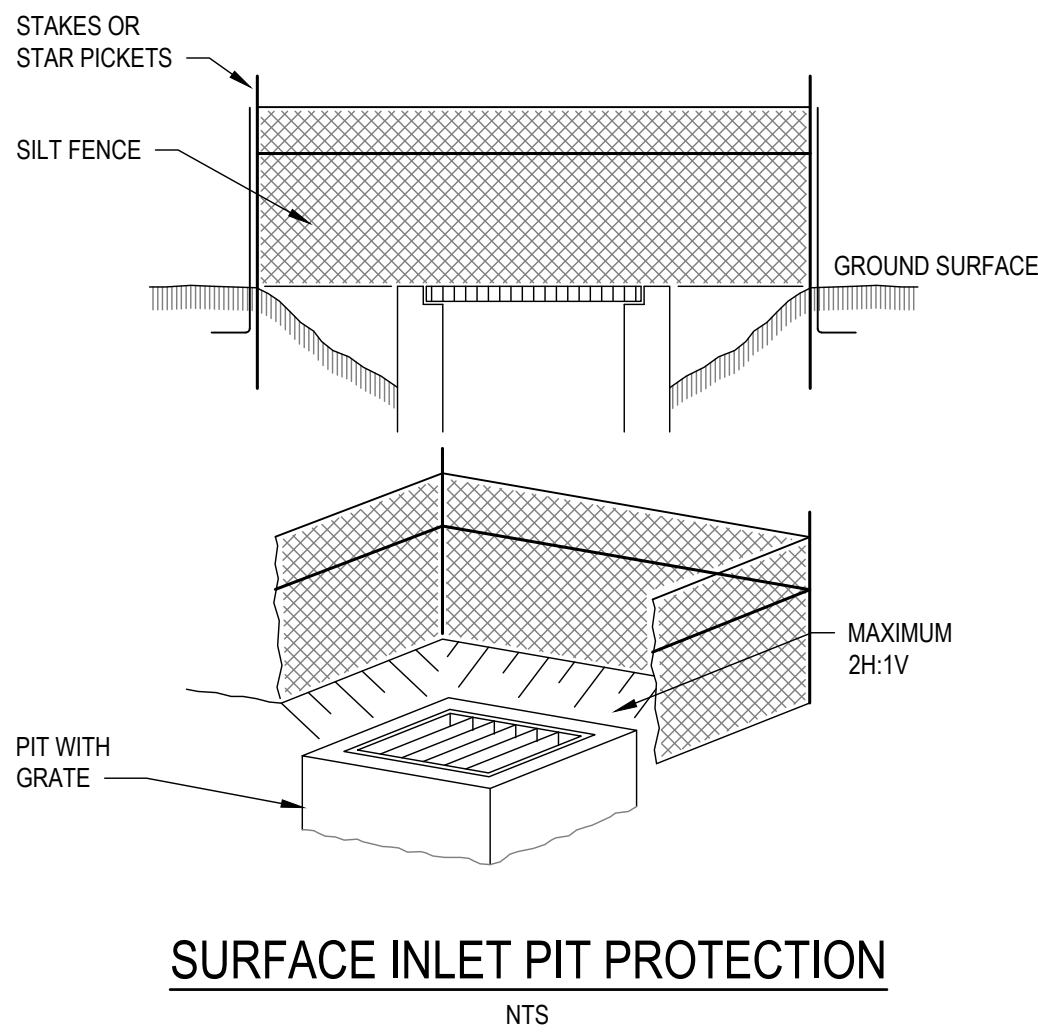
- GENERAL CONSTRUCTION NOTES:**
- STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
 - COVER THE AREA WITH NEEDLE - PUNCHED GEOTEXTILE.
 - CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
 - ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
 - WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO SEDIMENT FENCE.

STABILISED SITE ACCESS
NTS

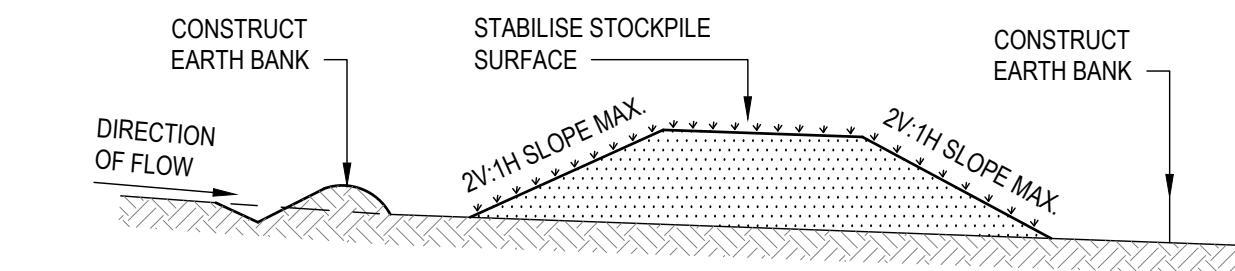


- GENERAL CONSTRUCTION NOTES**
- CONSTRUCTION SEDIMENT FENCES AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE
 - DIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART
 - DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
 - BACKFILL TRENCH OVER BASE OF FABRIC
 - FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER
 - JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP

SEDIMENT FENCE SD 6-8
NTS

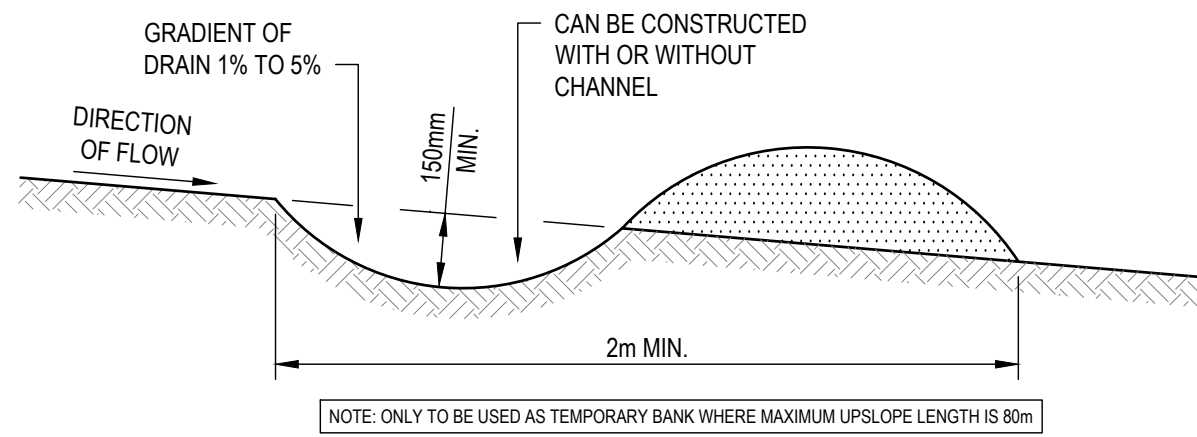


SURFACE INLET PIT PROTECTION
NTS



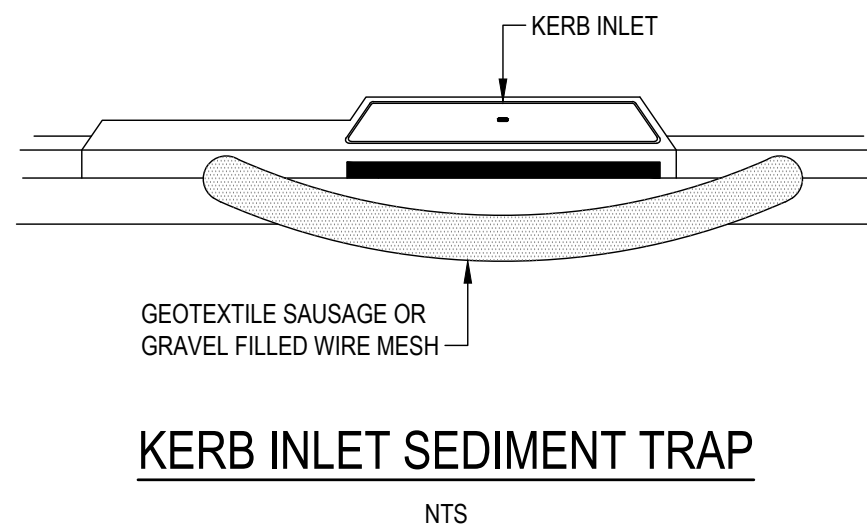
- GENERAL CONSTRUCTION NOTES**
- LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS
 - CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND
 - WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT
 - REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP
 - CONSTRUCT EARTH BANK (SD 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (SD 6-7) 1 TO 2m DOWNSLOPE OF STOCKPILE

STOCKPILES SD 4-1
NTS

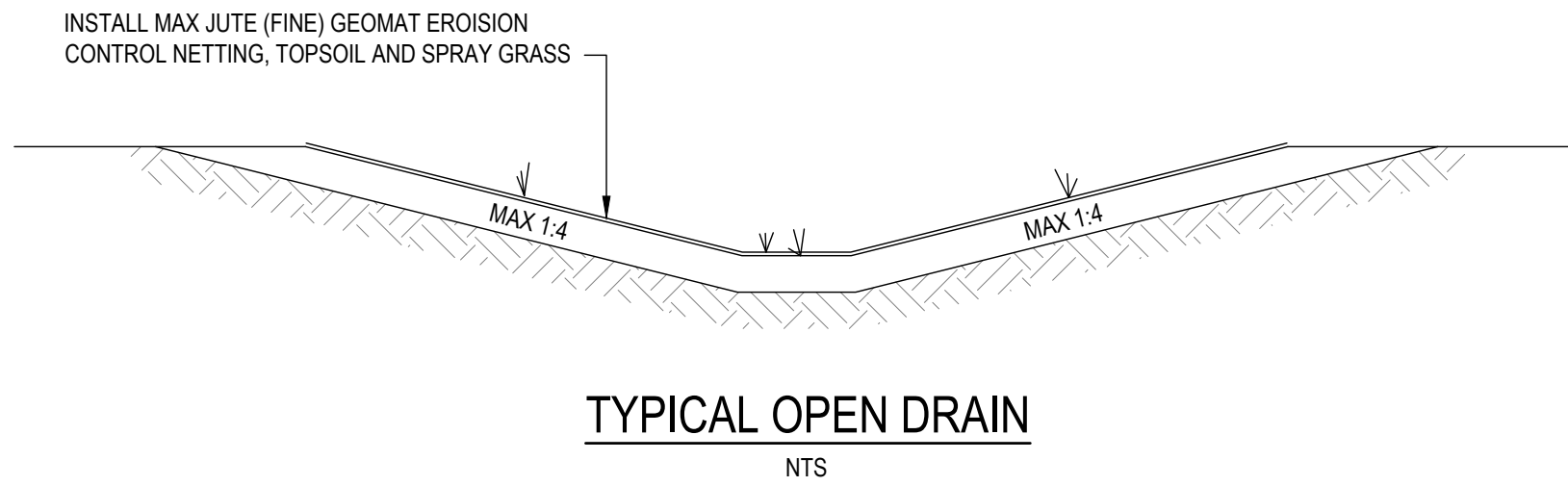


- GENERAL CONSTRUCTION NOTES**
- CONSTRUCT WITH GRADIENT OF 1% TO 5%
 - AVOID REMOVING TREES AND SHRUBS IF POSSIBLE
 - DRAINS TO BE CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED
 - EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE
 - PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION
 - ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR
 - DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED
 - COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS
 - EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDED NORMAL FLOW

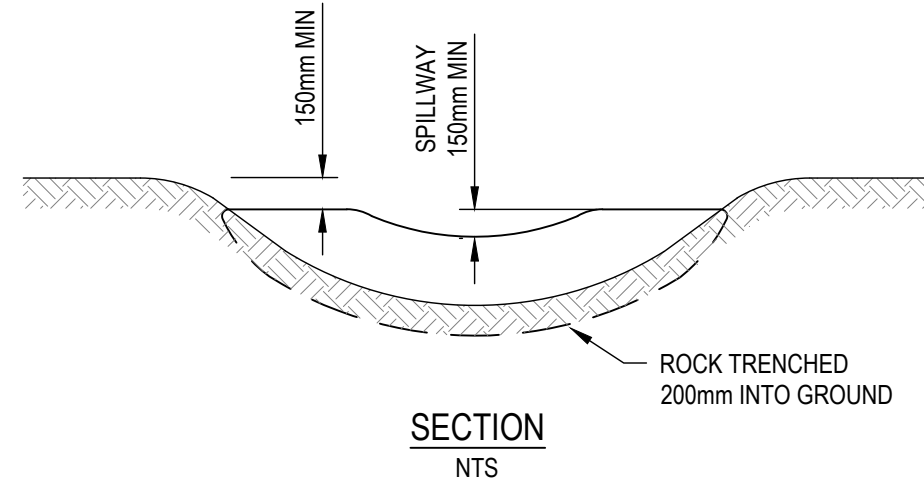
EARTH BANK (LOW FLOW) SD 5-5
NTS



KERB INLET SEDIMENT TRAP
NTS

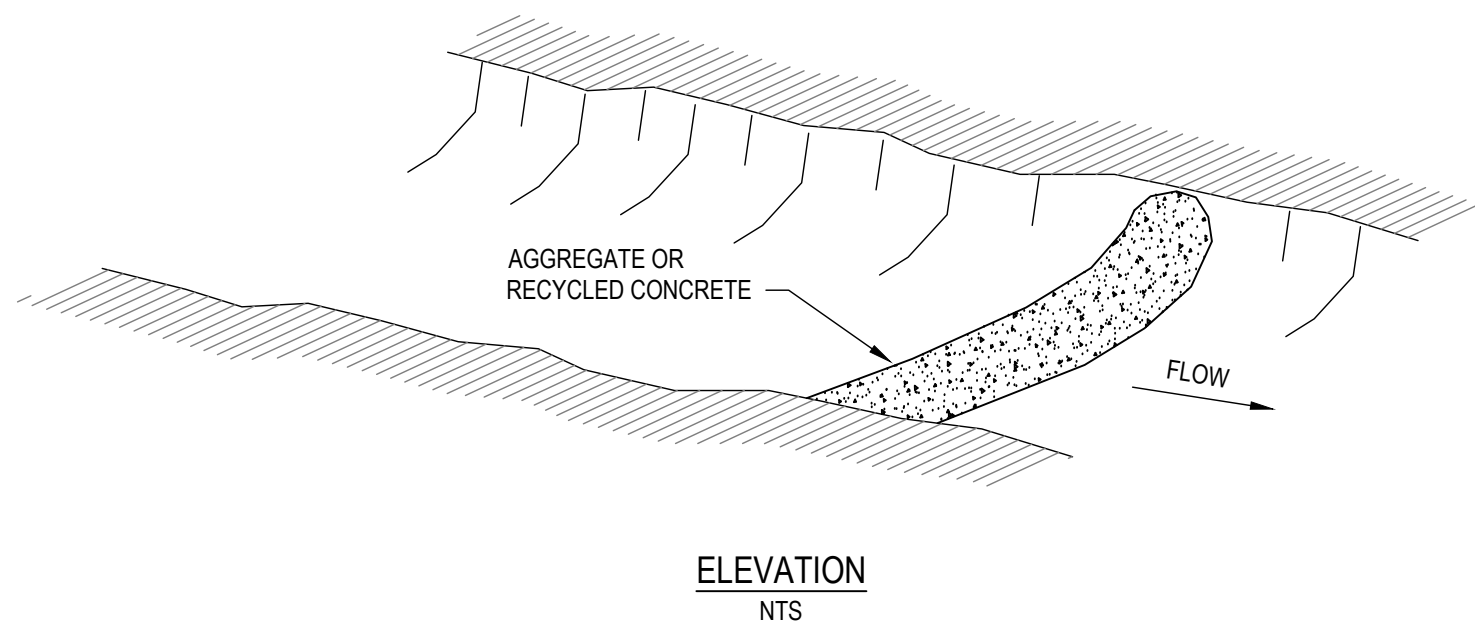


TYPICAL OPEN DRAIN
NTS



SPACING OF CHECK DAMS ALONG CENTRELINE AND SCOUR PROTECTION BELOW EACH CHECK DAM TO BE SPECIFIED ON SWMP/ESCP

SECTION
NTS



ELEVATION
NTS

- GENERAL CONSTRUCTION NOTES**
- TRENCH STRUCTURE 200mm INTO GROUND SURFACE WHEREVER THE STRUCTURE CONTACTS THE GULLY BASE. FILL TRENCHES TO 100mm ABOVE GROUND SURFACE TO REDUCE RISK OF UNDERCUTTING.
 - ENSURE HEIGHT OF SPILLWAY IS LESS THAN 1m ABOVE THE GULLY FLOOR.
 - SPACE CHECKS SO THE TOE OF THE UPSTREAM DAM IS LEVEL WITH THE SPILLWAY OF THE NEXT DOWNSTREAM DAM.

ROCK CHECK DAM SD 5-1
NTS

EROSION CONTROL

- THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH LOCAL COUNCIL'S DEVELOPMENT CONTROL PLAN FOR ENVIRONMENTAL MANAGEMENT AND WITH THE 'MANAGING URBAN STORMWATER' (3rd EDITION, AUGUST 1998) BY THE NSW DEPARTMENT OF HOUSING.
- ALL EROSION CONTROL DEVICES ARE TO BE MAINTAINED/REPAIRED DAILY.
- GRADE FINISHED SURFACE TO SHED WATER EVENLY WITHOUT CHANNELLING (UNTIL PIPED STORMWATER SYSTEM IS ADDED IN LATER STAGE).
- THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES MAY VARY DEPENDENT UPON THE CONSTRUCTION TECHNIQUE AND PROGRAM.
- PROVIDE SECURITY FENCES IF BASIN BATTER SLOPE EXCEEDS 1:4

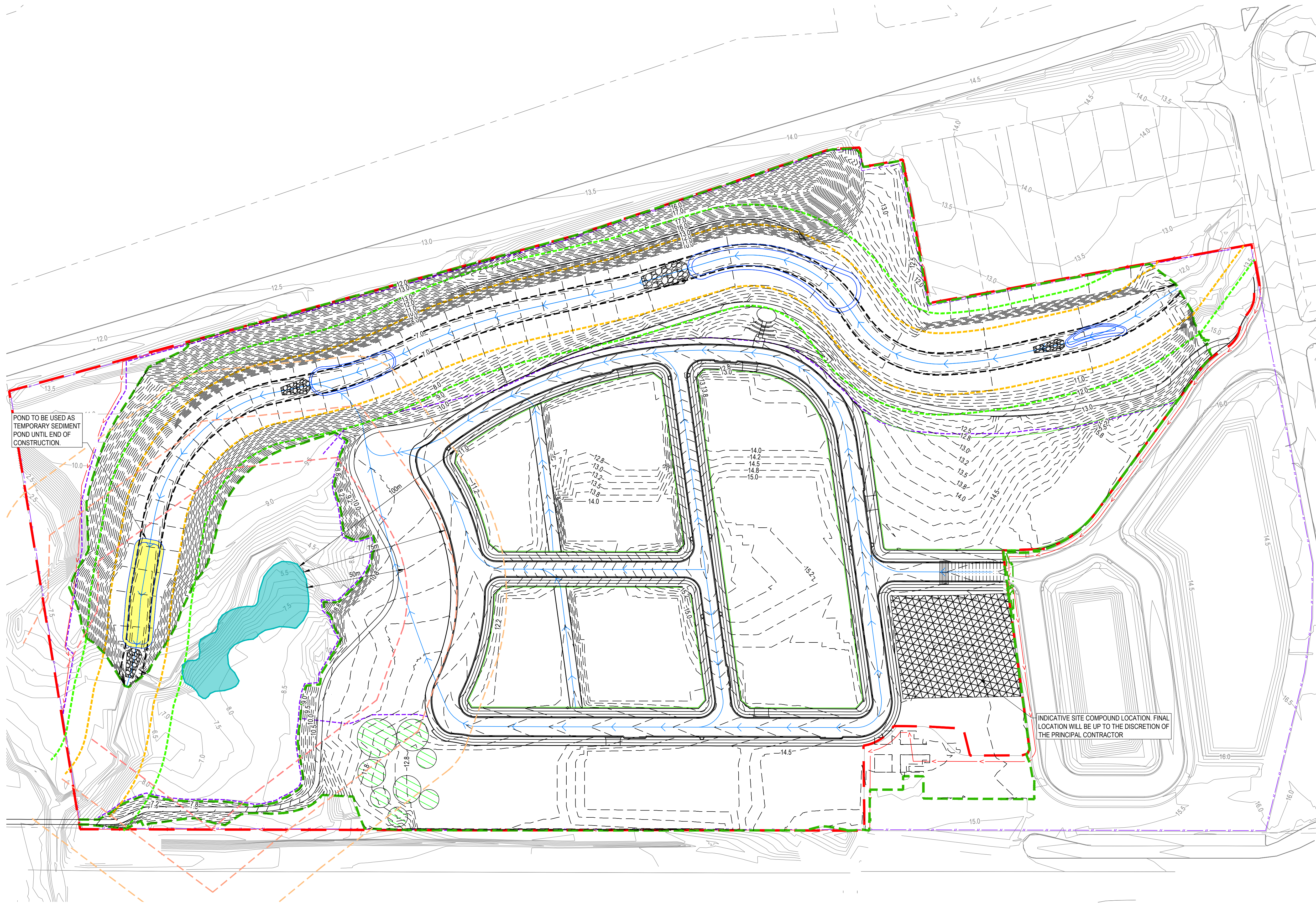
TREES

- THE TREES IDENTIFIED FOR RETENTION SHALL BE PROTECTED BY THE FOLLOWING MEASURES:
- PROTECTIVE FENCING CONSTRUCTED OF 1.8m HIGH CHAIN WIRE MESH SUPPORTED BY ROBUST POSTS SHALL BE INSTALLED AT A MINIMUM RADIUS OF 3m FROM THE TRUNK OF EACH TREE. THIS FENCING SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORKS AND REMAIN IN PLACE UNTIL ALL WORKS ARE COMPLETED. SIGNAGE SHALL BE ERECTED ON THE FENCE WITH THE FOLLOWING WORDS CLEARLY DISPLAYED 'TREE PROTECTION ZONE, DO NOT ENTER.'
 - THE TREE PROTECTION ZONE WITHIN THE PROTECTIVE FENCING SHALL BE MULCHED WITH A MAXIMUM DEPTH 75mm OF SUITABLE ORGANIC MULCH (WOOD CHIPS OR COMPOST LEAF CHIP MULCH) AND KEPT REGULARLY WATERED FOR THE DURATION OF THE WORKS.
 - NO DEVELOPMENT OR ASSOCIATED ACTIVITY IS PERMITTED WITHIN THE FENCED TREE PROTECTION ZONE FOR THE DURATION OF THE WORKS.
 - ANY APPROVED WORKS WITHIN THIS TREE PROTECTION ZONE SHALL BE UNDER THE DIRECTION OF AND TO THE SATISFACTION OF, A SUITABLY QUALIFIED AND EXPERIENCED ARBORIST. PLANT EIGHT (8) INDIGENOUS CANOPY TREES (ANGOPHORA) WITHIN LOT 7 BUT NOT WITHIN 3 METRES OF A BUILDING, WITH A MINIMUM POT SIZE OF 25 LITRES.

ALL NOTES ARE TO BE READ IN CONJUNCTION WITH WOLLONGONG CITY COUNCIL ENGINEERING SPECIFICATIONS

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	25.08.23	UPDATED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS

DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA	CORRIMAL COKE WORKS DEVELOPMENT EROSION AND SEDIMENT CONTROL NOTES AND DETAILS			
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL				
APPROVED: S.SAIYANMONTAKUL		DRAWING NUMBER MKR00452-16-C1850	SHEET No.	ORIG. SIZE A1	REVISION 2
NOT FOR CONSTRUCTION					

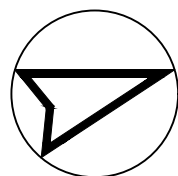
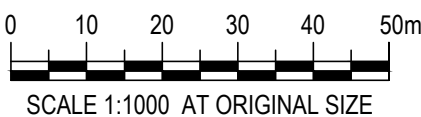


- PROPOSED**
- SITE BOUNDARY
 - EXTENT OF WORKS BOUNDARY
 - LOT BOUNDARY
 - APPROXIMATE BASE EXCAVATION PROFILE
 - 7.0 CONTOURS (0.5m)
 - OPEN DRAIN
 - CUT-OFF DRAIN
 - TEMPORARY FENCING
 - SEDIMENT FENCE
 - SEDIMENT BASIN
 - SITE STOCKPILE
 - STABILIZED SITE ACCESS
 - SITE COMPOUND
 - RIP RAP
 - SHAKER GRID
- EXISTING**
- LOT BOUNDARY
 - 7.0 CONTOURS (0.5m)
 - BAT HABITAT EXTENT
 - BAT HABITAT BUFFER (100m)
 - BAT HABITAT BUFFER (75m)
 - BAT HABITAT BUFFER (50m)

SEDIMENT BASIN CALCS

SITE	TOTAL CATCHMENT AREA (ha)	SETTLING ZONE VOLUME (m3)	SEDIMENT STORAGE VOLUME (m3)	TOTAL BASIN VOLUME REQUIRED (m3)	TOTAL BASIN VOLUME PROVIDED (m3)
STAGES 1 TO 4	11.040	2205.300	1103.000	3308.300	3308.300

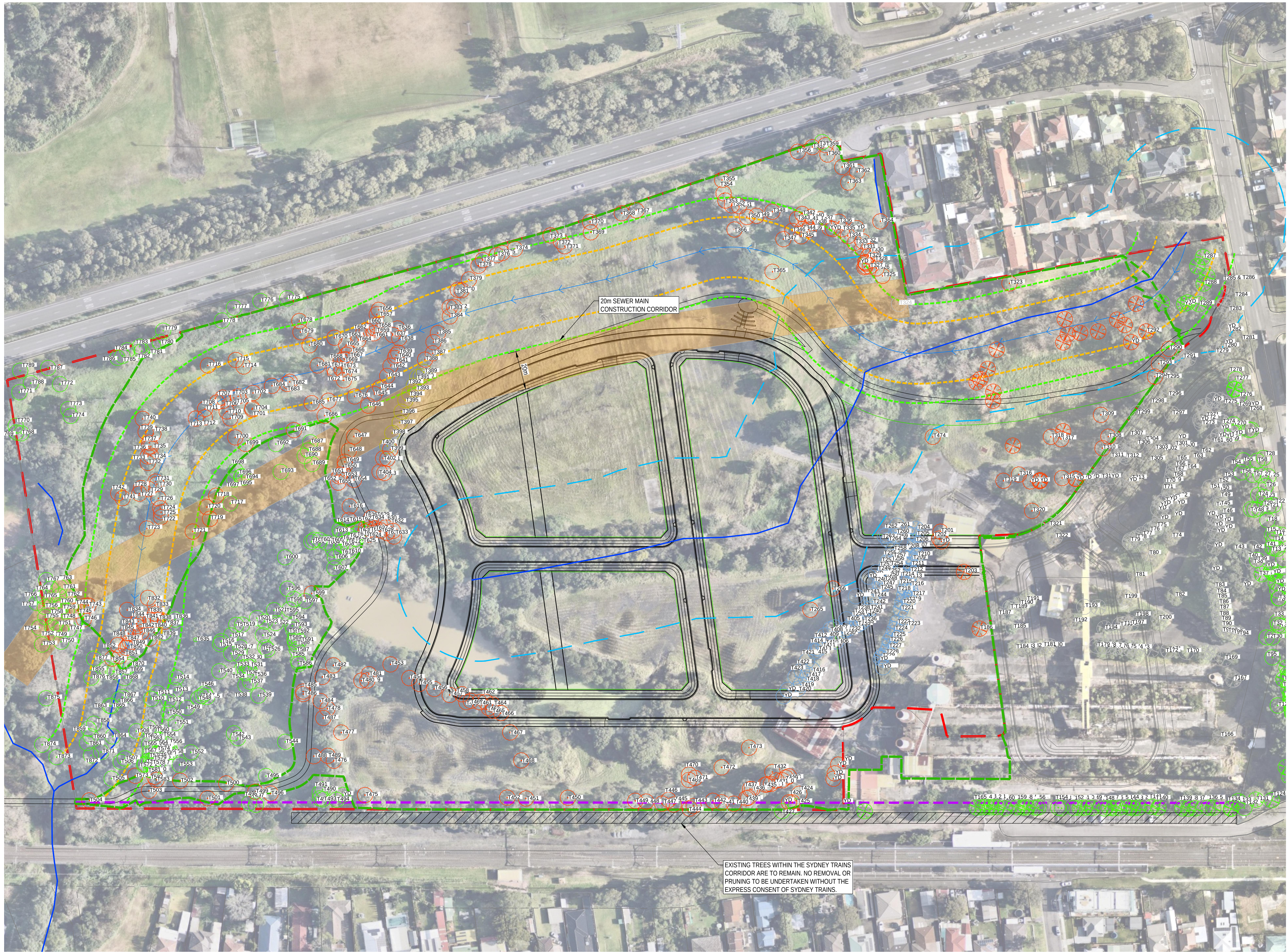
REV	DATE	DESCRIPTION	AMD BY	APP BY
5	23.09.24	UPDATED FOR APPROVAL	SCM	SS
4	22.02.24	UPDATED FOR APPROVAL	CB	SS
3	12.09.23	UPDATED FOR APPROVAL	CB	SS
2	25.08.23	UPDATED FOR APPROVAL	CB	SS
1	13.03.23	ISSUED FOR APPROVAL	CB	SS



DRAWN: C.BALDWIN
DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA
DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL
NOT FOR CONSTRUCTION

CORRIMAL COKE WORKS
DEVELOPMENT
EROSION AND SEDIMENT CONTROL
LAYOUT PLAN

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00452-16-C186		A1	5



PROPOSED

SITE BOUNDARY

BULK EARTHWORKS EXTENTS

LOT BOUNDARY

APPROXIMATE BASEMENT
EXCAVATION PROFILE

OPEN DRAIN

RIPARIAN ZONE OUTER BOUNDARY

SEWER MAIN CONSTRUCTION
CORRIDOR (20m). WORKS COMPLETED
UNDER SYDNEY WATER APPROVAL
CASE NO. 178698, DATED 28/03/2023

EXISTING

LOT BOUNDARY

EASEMENT

CONTOURS (0.5m)

WATER COURSE

WATER COURSE EXTENTS

RAILWAY CORRIDOR BUFFER
(APPROX. 25m FROM TOP OF RAIL)

TREE (TO BE RETAINED)

TREE (TO BE REMOVED)

TREE (REMOVED UNDER
SEPARATE APPLICATION,
DA-2023/166)

TREE (REMOVED UNDER SYDNEY
WATER APPROVAL, CASE NO.
178698 WW)

TREE (REMOVED WITHIN SCOPE
OF DA-2022/1249)

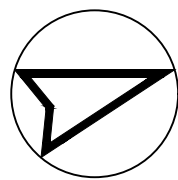
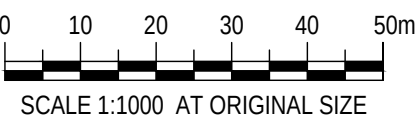
- NOTES:
1.

EXISTING SURVEY INFORMATION SOURCED FROM DETAIL
AND LEVEL SURVEY (JOB NO: 190755) PREPARED BY VERIS
DATED MAY 2020.
2.

TREE SURVEY INFORMATION SOURCED FROM TREE
SURVEY - LOCATION PLAN PREPARED BY MAKER DATED
SEPTEMBER 2022
3.

AERIAL IMAGERY SOURCED FROM NEARMAP (DATE 3TH OF
NOVEMBER 2022).

4	23.01.25	ADDITIONAL TREES PRESENT WITHIN VIEWPORT	JRC	AG	
3	24.09.24	UPDATED FOR APPROVAL	SCM	SS	
2	25.08.23	UPDATED FOR APPROVAL	CB	SS	
1	13.03.23	ISSUED FOR APPROVAL	CB	SS	
REV	DATE	DESCRIPTION	AMD BY	APP BY	



DRAWN: C.BALDWIN	DESIGNED: C.WIEWIORA
DRAFT CHECK: C.WIEWIORA	DESIGN CHECK: S.SAIYANMONTAKUL
APPROVED: S.SAIYANMONTAKUL	
NOT FOR CONSTRUCTION	

CORRIMAL COKE WORKS
DEVELOPMENT
TREE REMOVAL AND RETENTION
LAYOUT PLAN

DRAWING NUMBER MKR00452-16-C1900	SHEET NO.	ORIG. SIZE A1	REVISION 4
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