

RIVER VALLEY - STAGE 7D4

MINERAL TERRACE, SUNSHINE NORTH, VIC

CIVIL SITEWORKS



LOCATION PLAN (N.T.S)

| DRAWING SCHEDULE | |
|----------------------------|--|
| Sheet Number | Sheet Title |
| 15006-CJA-7D4-00-DR-C-0000 | TITLE SHEET AND DRAWING SCHEDULE |
| 15006-CJA-7D4-00-DR-C-0001 | NOTES PAGE |
| 15006-CJA-7D4-00-DR-C-0100 | EXISTING CONDITIONS PLAN |
| 15006-CJA-7D4-00-DR-C-0200 | STAGING PLAN |
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| 15006-CJA-7D4-00-DR-C-1050 | DRAFT SUBDIVISION LAYOUT PLAN |
| 15006-CJA-7D4-00-DR-C-1100 | DETAILED LAYOUT PLAN (SHEET 1 OF 2) |
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| 15006-CJA-7D4-00-DR-C-2001 | TYPICAL SECTION - SITE SECTIONS (SHEET 1 OF 2) |
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| 15006-CJA-7D4-00-DR-C-2103 | CRITICAL SECTION CALCULATION (SHEET 2 OF 2) |
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| 15006-CJA-7D4-00-DR-C-4002 | LONG SECTION - CONCRETE SLEEPER WALL (SHEET 3 OF 3) |
| 15006-CJA-7D4-00-DR-C-5000 | ROAD LONG SECTION - MINERAL TERRACE (SHEET 1 OF 4) |
| 15006-CJA-7D4-00-DR-C-5001 | ROAD LONG SECTION - MINERAL TERRACE (SHEET 2 OF 4) |
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| 15006-CJA-7D4-00-DR-C-5110 | CROSS SECTIONS - MINERAL TERRACE (SHEET 11 OF 15) |
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| 15006-CJA-7D-XX-DR-EW-1000 | STAGE 7D BULK EARTHWORKS - CUT AND FILL PLAN |
| 15006-CJA-7D-DR-C-9600 | STORMWATER CATCHMENT PLAN SOUTHERN CATCHMENT |

| Revised | Date | Reason | By | TS |
|---------|----------|-------------------------|----|----|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | | |

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⚠ Dial before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

FOR CONSTRUCTION

Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: TITLE SHEET AND DRAWING SCHEDULE
 Drawn By: SP
 Checked By: TS
 Drawn Scale: N/A @ A1
 Date of First Issue: 18.09.23

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| Project Number | Client | Zone | Level | File Type | Issue | Number | Revision |
|----------------|--------|------|-------|-----------|-------|--------|----------|
| 15006 | CJA | 7D4 | 00 | DR | C | 0000 | 0 |

GENERAL BRIMBANK CITY COUNCIL NOTES

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS APPROVED BY THE BRIMBANK CITY COUNCIL, BRIMBANK CITY COUNCIL STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SURVEILLANCE COORDINATOR OR HIS REPRESENTATIVE.
2. NO TREES AND SHRUBS ARE TO BE REMOVED UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT AUTHORITY.
3. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED PRIOR TO THE COMMENCEMENT OF WORKS.
4. ALL VEHICLE CROSSINGS, DRAINAGE PITS, PRAM RAMPS, BOLLARDS ETC SHALL BE CONSTRUCTED AS PER COUNCIL'S STANDARD DRAWINGS UNLESS OTHERWISE SPECIFIED.
5. COUNCIL'S SURVEILLANCE COORDINATOR MUST BE NOTIFIED IN WRITING, NO LESS THAN SEVEN (7) DAYS PRIOR TO THE COMMENCEMENTS OF WORKS.
6. SUBMIT APPLICATION FOR CONSTRUCTION ACCESS TO SITE FOR APPROVAL BY COUNCIL'S SURVEILLANCE COORDINATOR BEFORE COMMENCEMENT OF ANY WORKS.
7. CONTRACTORS ARE RESPONSIBLE WITH RESPECT TO SAFETY OF WORK ON SITE AND APPROPRIATE LEGISLATION.
8. FOOTPATHS ARE TO BE OFFSET 25mm FROM THE PROPERTY LINE AND CONSTRUCTED AS PER BRIMBANK STANDARD DRAWING S350.
9. VICROADS' ROADWORK SIGNING CODE OF PRACTICE WHICH COMPLIES WITH AUSTRALIAN STANDARD 1742.3-2002 IS TO BE ADHERED TO DURING CONSTRUCTION WORKS (OR ANY SUBSEQUENT LATER VERSION).
10. WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED 20MM CLASS 3 CRUSHED ROCK UP TO A LEVEL WHERE THE 45DEG. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE.
11. ALL DRAINAGE PIPES 225mm AND ABOVE SHALL BE SPIGOT & SOCKET TYPE AND RUBBER RING JOINTED CLASS 4 MINIMUM REINFORCED CONCRETE PIPE.
12. PROVIDE CCTV FOR COMPLETED DRAINS AS PER CONDUIT INSPECTION REPORTING CODE WSA LATEST VERSION PRIOR TO PRACTICAL COMPLETION OR STATEMENT OF COMPLIANCE, WHICHEVER IS EARLIER.
13. SERVICE CONDUITS ARE TO BE PROVIDED UNDER FOOTPATHS EXTENDING INTO ALLOTMENTS - LOCATION TO BE MARKED ON THE FOOTPATH AND KERB.
14. AG DRAINS TO BE PROVIDED BEHIND ALL KERBS AT INTERFACE OF EXISTING AND NEW PAVEMENT AND SHOULD HAVE SUITABLE OUTLET. REFER TO COUNCIL'S STANDARD DRAWING S110 FOR BACKFILL MATERIAL ETC. SOME WORKS MAY REQUIRE SPECIAL CONSIDERATION EG. VICROADS STANDARDS.
15. CONDUITS ARE TO BE CLEARLY MARKED ON THE KERB AND FOOTPATH FOR EASY IDENTIFICATION
16. ALL SERVICING TRENCHES UNDER ROAD CARRIAGEWAYS, FOOTPATHS, VEHICLE CROSSINGS AND OTHER STRUCTURES ARE TO BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH SECTION 706 OF COUNCIL'S STANDARD SPECIFICATION FOR ROADS AND DRAINAGE WORKS IN LAND DEVELOPMENT.
17. ALL SERVICES MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF THE KERB AND CHANNEL.
18. TMP TO BE SUBMITTED TO COUNCIL'S SURVEILLANCE AND/OR TRAFFIC & TRANSPORT SECTION 7 DAYS PRIOR TO COMMENCEMENT OF WORKS FOR ACCEPTANCE.
19. STREET LIGHTING SHALL BE LED 18W FOR STANDARD FITTING AND LED 16W TOORAK/TOORAK ALPHA FOR DECORATIVE NON-STANDARD FITTING.
20. THE DRAWINGS, "MUST NOT BE SCALED/MEASURED" FROM HARD OR DIGITAL COPIES.
21. MINIMUM EARTHWORKS FILLING REQUIREMENTS FOR ALL ROAD WORKS:
 - a. ROAD FILLING WORKS SHALL BE IN ACCORDANCE WITH SECTION 204 OF COUNCIL'S STANDARD SPECIFICATION FOR ROADS AND DRAINAGE WORKS IN LAND DEVELOPMENT.
 - b. TYPE A FILL IS REQUIRED FOR THE LAST 200mm LAYER UNDER ROAD PAVEMENTS, FOOTPATHS, VEHICLE CROSSINGS, NATURE STRIPS AND OTHER ROAD STRUCTURES.
 - c. TYPE A MATERIAL IS SPECIFIED IN SECTION 204 OF COUNCIL'S STANDARD SPECIFICATION FOR ROADS AND DRAINAGE WORKS IN LAND DEVELOPMENTS (EQUIVALENT TO THE LATEST VERSION OF VICROADS' CONTRACT SPECIFICATIONS) AND SHALL HAVE MAXIMUM SWELL OF ≤1.5%, MAXIMUM PERMEABILITY OF 5 X 10⁻⁷ CM/SEC, MAXIMUM BOULDER SIZE IS 75 MM ROCK WITH NO OTHER GRADING REQUIREMENTS, AND WITH 99% OF STANDARD COMPACTIVE EFFORT (SCALE A OF TABLE 204.131).
 - d. NATURE STRIP WIDTHS SHALL BE FINISHED OFF WITH 100mm THICK TOP SOIL MATERIAL RECOVERED FROM STRIPPING PRIOR TO THE CONSTRUCTION OF EARTHWORKS OR OTHER IMPORTED TOPSOIL TO COMPLY WITH COUNCIL'S LANDSCAPE REQUIREMENTS.
22. FILL MATERIAL TO BE IMPORTED TO SITE WILL BE SUBJECT TO THE FOLLOWING CONTROLS:
 - a. BORROW MATERIAL FOR FILLING WORKS IS TO BE SIGNED OFF BY A SUITABLY QUALIFIED INDEPENDENT ENVIRONMENTAL SCIENTIST TO BE CLEAN FILL TO MEET EPA DEFINITION. THE SCIENTIST MUST BE RECOGNISED BY THE EPA TO UNDERTAKE SUCH A JOB.
 - THE INDEPENDENT ENVIRONMENTAL SCIENTIST IS TO CERTIFY THAT THE SOURCE OR SOURCES OF BORROW MATERIAL TO MEET THE EPA DEFINITION OF CLEAN FILL SUITABLE FOR ROAD CONSTRUCTION. THE SCIENTIST IS TO OVERSEE ALL TESTING, FREQUENCY OF TESTING, ETC. TO MEET EPA REQUIREMENTS FOR CLEAN FILL.
 - THE SCIENTIST IS TO ENSURE THAT ONLY THE CERTIFIED CLEAN FILL MATERIAL IS USED. TRANSPORTATION DOCKETS ARE TO BE ISSUED FOR EACH TRUCK LOAD. DATE AND TIME OF LOADING AND ARRIVAL ON SITE ARE TO BE RECORDED.
 - AT THE END OF BORROW FILLING, A REPORT IS TO BE SUBMITTED TO COUNCIL BY THE INDEPENDENT SCIENTIST DETAILING THE TESTINGS CARRIED OUT LEADING TO THE APPROVAL OF THE SOURCE OR SOURCES.
 - THE REPORT IS ALSO TO INCLUDE COPIES OF ALL THE TRANSPORTATION DOCKETS AND SUMMARY OF THE REQUIRED BORROW VOLUME.
 - IN THE REPORT, THE SCIENTIST IS TO SIGN OFF THE COMPLETED BORROW FILL WORKS FOR EPA REQUIREMENTS FOR CLEAN FILL WORKS.
 - b. BORROW MATERIAL FILLING WORKS IS TO BE SIGNED OFF BY A SUITABLY QUALIFIED INDEPENDENT (NATA REGISTERED COMPANY) GEOTECHNICAL ENGINEER TO BE TYPE B FILL TO MEET BCC SPECIFICATIONS FOR TYPE B FILL MATERIAL.
 - THE GEOTECHNICAL ENGINEER IS TO APPROVE THE SOURCE OR SOURCES OF THE BORROW MATERIAL THAT MEETS TYPE B FILL (INCLUDING MINIMUM 2% CBR)
 - THE GEOTECHNICAL ENGINEER IS TO CARRY OUT ALL THE TESTING AT THE SITE OR SOURCE(S) AS REQUIRED IN SECTION 204.
 - THE ENGINEER IS TO ENSURE THAT ONLY THE CERTIFIED TYPE B FILL MATERIAL IS USED. TRANSPORTATION DOCKETS ARE TO BE ISSUED FOR EACH TRUCK LOAD. DATE AND TIME OF LOADING AND ARRIVAL ON SITE ARE TO BE RECORDED.
 - AT THE COMPLETION OF THE FILLING WORKS, THE ENGINEER IS TO SUBMIT A SEPARATE REPORT TO COUNCIL TO VERIFY ALL BORROW MATERIAL FILLING WORKS MEET THE TYPE B SPECIFICATION.
 - IN THE REPORT, THE GEOTECHNICAL ENGINEER IS TO SIGN OFF THE COMPLETED BORROW FILL WORKS THAT MEET TYPE B SPECIFICATIONS.
 - c. PRIOR TO THE COMMENCEMENT OF THE BORROW MATERIAL FILLING, BOTH THE SCIENTIST AND THE GEOTECHNICAL ENGINEER ARE TO INFORM COUNCIL SURVEILLANCE OF THE APPROVED SOURCE OR SOURCES OF BORROW MATERIAL AND SUBMIT TESTING RESULTS VERIFYING THE ACCEPTANCE OF THE MATERIAL.

ADDITIONAL GENERAL NOTES

23. EARTHWORKS & SEDIMENTATION CONTROL
 - a. NO POLLUTED OR SEDIMENT LADEN RUNOFF IS TO BE DISCHARGED DIRECTLY OR INDIRECTLY INTO EXISTING DRAINAGE SYSTEM DURING OR AFTER THE WORKS.
 - b. STOCKPILING OF MATERIAL IS TO BE PLACED AS DIRECTED BY THE SUPERINTENDENT.
24. ALL LEVELS & SETOUT TO MGA55 AND AHD.
25. AS PART OF THESE WORKS DOUGLAS AND PARTNERS EARTHWORKS SPECIFICATION WILL TAKE PRECEDENCE OVER BCC EARTHWORKS REQUIREMENTS.
26. PIPE BEDDING AND BACKFILL TO BE IN ACCORDANCE WITH BCC SPECIFICATION 701A.
27. ABORIGINAL PROTECTION REQUIREMENTS MUST BE ADHERED TO AS PER PLANNING PERMIT CONDITIONS 6 AND 7
28. ENVIRONMENTAL MANAGEMENT PLAN MUST BE SUBMITTED AND APPROVED AS PER PLANNING PERMIT CONDITION 5
29. ADHERE TO PLANNING PERMIT CONDITIONS 12 & 13
30. OBTAIN APPROVAL FOR CONSTRUCTION VEHICLE ACCESS AS PER PLANNING PERMIT CONDITION 44
31. NO SERVICES SHALL BE INSTALLED DIRECTLY UNDER AND PARALLEL TO COUNCIL'S PAVEMENT AND FOOTPATH WITHOUT COUNCIL'S APPROVAL.
32. ALL SERVICE CLEARANCES TO MEET COUNCIL AND AUTHORITY REQUIREMENTS.

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| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | T | |
| Revised | Date | Reason | Drawn | Checked | |

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FOR CONSTRUCTION



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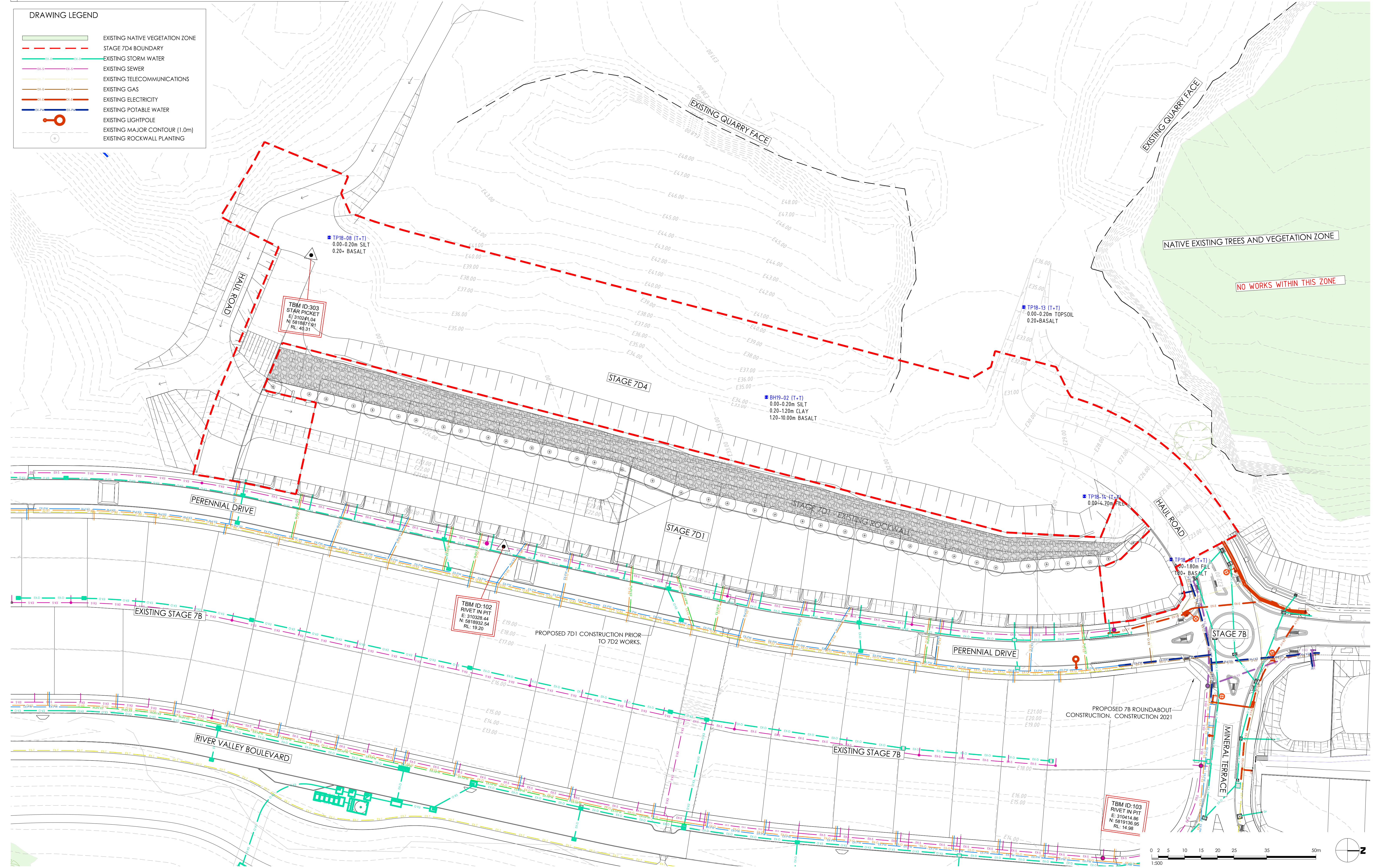
Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND

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|----------|------------|-------------|---------------------|
| Drawn By | Checked By | Drawn Scale | Date of first issue |
| BP | VE | N/A @ A1 | 18.09.23 |

| Project Number | Origin | Zone | Level | File Type | Revs | Number | Revision |
|----------------|--------|------|-------|-----------|------|--------|----------|
| 15006 | CJA | 7D4 | 00 | DR | C | 0001 | 0 |

Drawing Title
NOTES PAGE

| DRAWING LEGEND | |
|----------------|---------------------------------|
| | EXISTING NATIVE VEGETATION ZONE |
| | STAGE 7D4 BOUNDARY |
| | EXISTING STORM WATER |
| | EXISTING SEWER |
| | EXISTING TELECOMMUNICATIONS |
| | EXISTING GAS |
| | EXISTING ELECTRICITY |
| | EXISTING POTABLE WATER |
| | EXISTING LIGHTPOLE |
| | EXISTING MAJOR CONTOUR (1.0m) |
| | EXISTING ROCKWALL PLANTING |



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | SP | TS |

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EARLY WORKS CONTRACTOR TO PROVIDE AS-BUILT RECORD OF COMPLETED EARTHWORKS PRIOR TO COMMENCEMENT.

FOR CONSTRUCTION



CIVIL SITeworks
 MELBOURNE
 T: (03) 9385 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Purpose of Issue: FOR CONSTRUCTION

Drawn By: SP
 Checked By: VB
 Drawn Scale: 1:500 @ A1
 Date of first Issue: 18.09.23

| Project Number | Client | Zone | Level | File Type | Issue | Number | Revision |
|----------------|--------|------|-------|-----------|-------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 0100 | 0 |

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LEGEND:
— MAE02 OVERLAY EXTENT
— STAGE BOUNDARY

| Revision | Date | By | Check |
|----------|----------|-------|---------|
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| | | Drawn | Checked |

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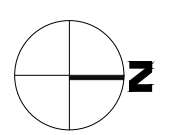
⚠️ **BEFORE YOU DIG, BEWARE OF UNDERGROUND SERVICES.** The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

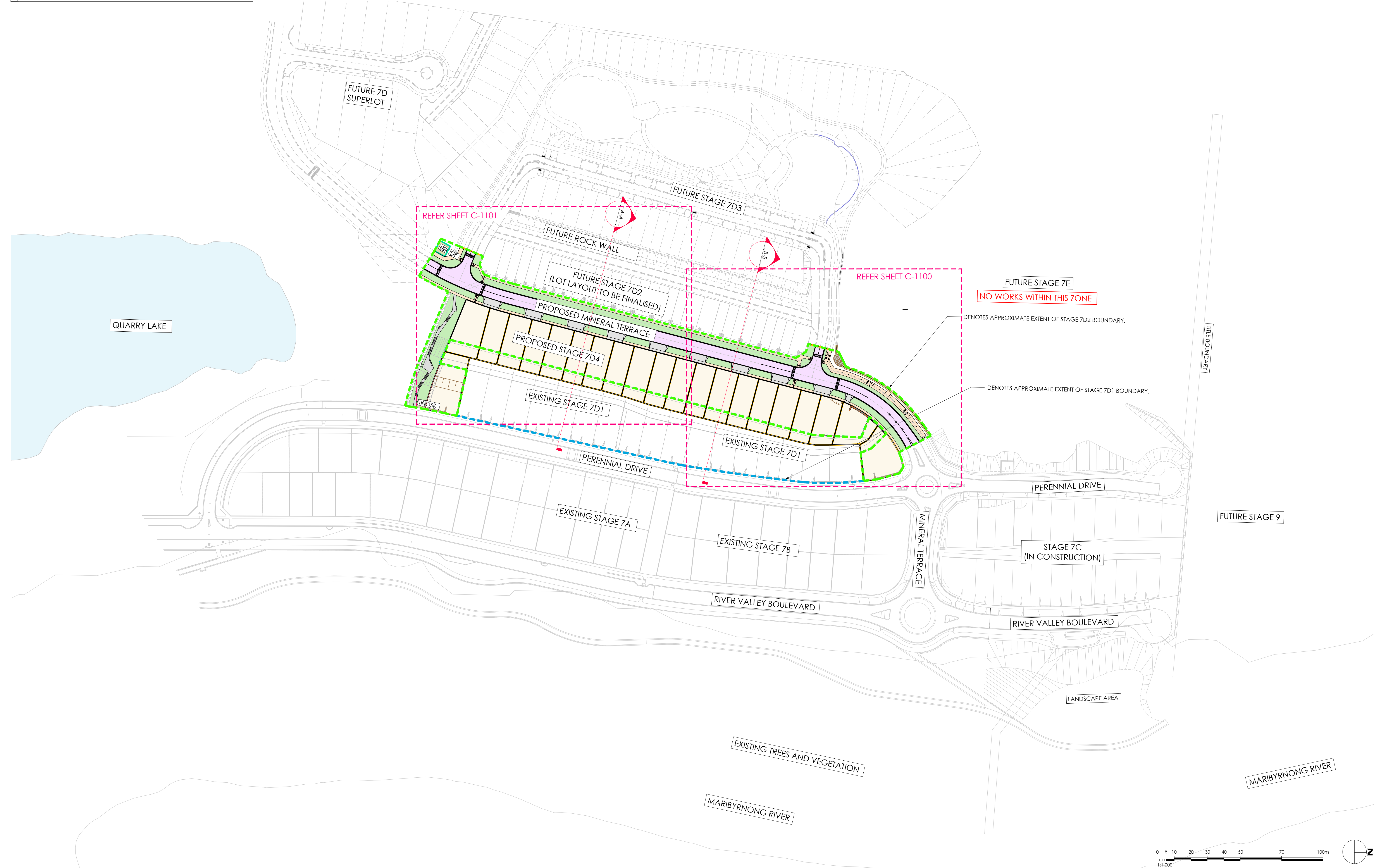
FOR CONSTRUCTION



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|------------------------------------|-------------|-----------|-----------|----------------------------|----------------|-----------------------|-------------------------------|
| Project: RIVER VALLEY - STAGE 7D4 | | | | Drawing File: STAGING PLAN | | | |
| Client: YOURLAND | | | | Drawn By: BP | Checked By: VE | Drawn Scale: N/A @ A1 | Date of first Issue: 18.09.23 |
| Purpose of Issue: FOR CONSTRUCTION | | | | Rev: | Rev: | Rev: | Rev: |
| Project Number: 15006 | Client: CJA | Zone: 7D4 | Level: XX | File Type: DR | Rev: C | Number: 0200 | Revision: 0 |





| Revision | Date | By | Check |
|----------|----------|-------------------------|-------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | SP TS |
| 1 | | | |
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FOR CONSTRUCTION
REFER TO DRAWING
15006-CJA-7D4-00-DR-C-2000 &
15006-CJA-7D4-00-DR-C-2001
FOR TYPICAL SECTIONS



CIVIL SITWORKS
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Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Species of Use: FOR CONSTRUCTION

Drawn By: SP
Checked By: VB
Drawn Scale: 1:1000 @ A1
Date of First Issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Issue | Number | Revision |
|----------------|--------|------|-------|-----------|-------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 1000 | 0 |

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| STAGE 7D4 - DEVELOPMENT YIELD LAND BUDGET | | |
|---|-------------|-----------------|
| DESCRIPTION | AREA (Ha) | % OF TOTAL AREA |
| 7D4 - TOTAL AREA | 166 | |
| ROAD INFRASTRUCTURE | | |
| LOCAL ROAD (ACCESS STREET) | 0.65 | 39.3% |
| SUBTOTAL | 0.65 | 39.3% |
| RESIDENTIAL | | |
| CONVENTIONAL RESIDENTIAL | 0.92 | 55.5% |
| COUNCIL RESERVE LOT | 0.09 | 5.3% |
| SUBTOTAL | 1.01 | 60.7% |

LEGEND:

| | |
|--|-------------------------------------|
| | PROPOSED RESIDENTIAL (CONVENTIONAL) |
| | PROPOSED CARRIAGEWAY |
| | PROPOSED ROAD RESERVE LANDSCAPING |
| | PROPOSED FOOTPATH/SHARED PATH |
| | PROPOSED VEHICLE CROSSING |
| | PROPOSED COUNCIL RESERVE LOT |
| | PROPOSED RETAINING WALL |
| | STAGE 7D1 BOUNDARY |
| | STAGE 7D4 BOUNDARY |

STAGE 7D4 NUMBER OF LOTS
21 CONVENTIONAL DENSITY LOTS
1 COUNCIL RESERVE LOT

7D4 SERVICES ARE AMENDED IN THIS REVISION.



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Note for Contractors
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⚠ Dial before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

FOR CONSTRUCTION



| | | | |
|-----------------------------------|----------------|--|-------------------------------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing Title: DRAFT SUBDIVISION LAYOUT PLAN | |
| Client: YOURLAND | | Date of first issue: 18.09.23 | |
| Project Number: 15006 | | Revision: 0 | |
| Drawn By: BP | Checked By: VE | Drawn Scale: 1:500 @ A1 | Date of first issue: 18.09.23 |
| Project Number: 15006 | Client: CJA | Zone: 7D4 | Level: XX |
| File Type: DR | Rev: C | Number: 1050 | Revision: 0 |

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ELECTRICAL AND COMMS SERVICES ADDED TO THE WEST OF MINERAL TERRACE.

CHAINAGES FOR PROPOSED PARKSIDE CIRCUIT ARE NOW SHOWN ON THE CENTERLINE

7D4 SERVICES ARE AMENDED IN THIS REVISION.

CHAINAGES FOR PROPOSED MINERAL TERRACE ARE NOW SHOWN ON THE CENTERLINE

REFER TO DRAWING C-8000 FOR CONSTRUCTION OF ELECTRICAL PIT ON FOOTPATH DETAIL

DRAWING LEGEND

HATCHING

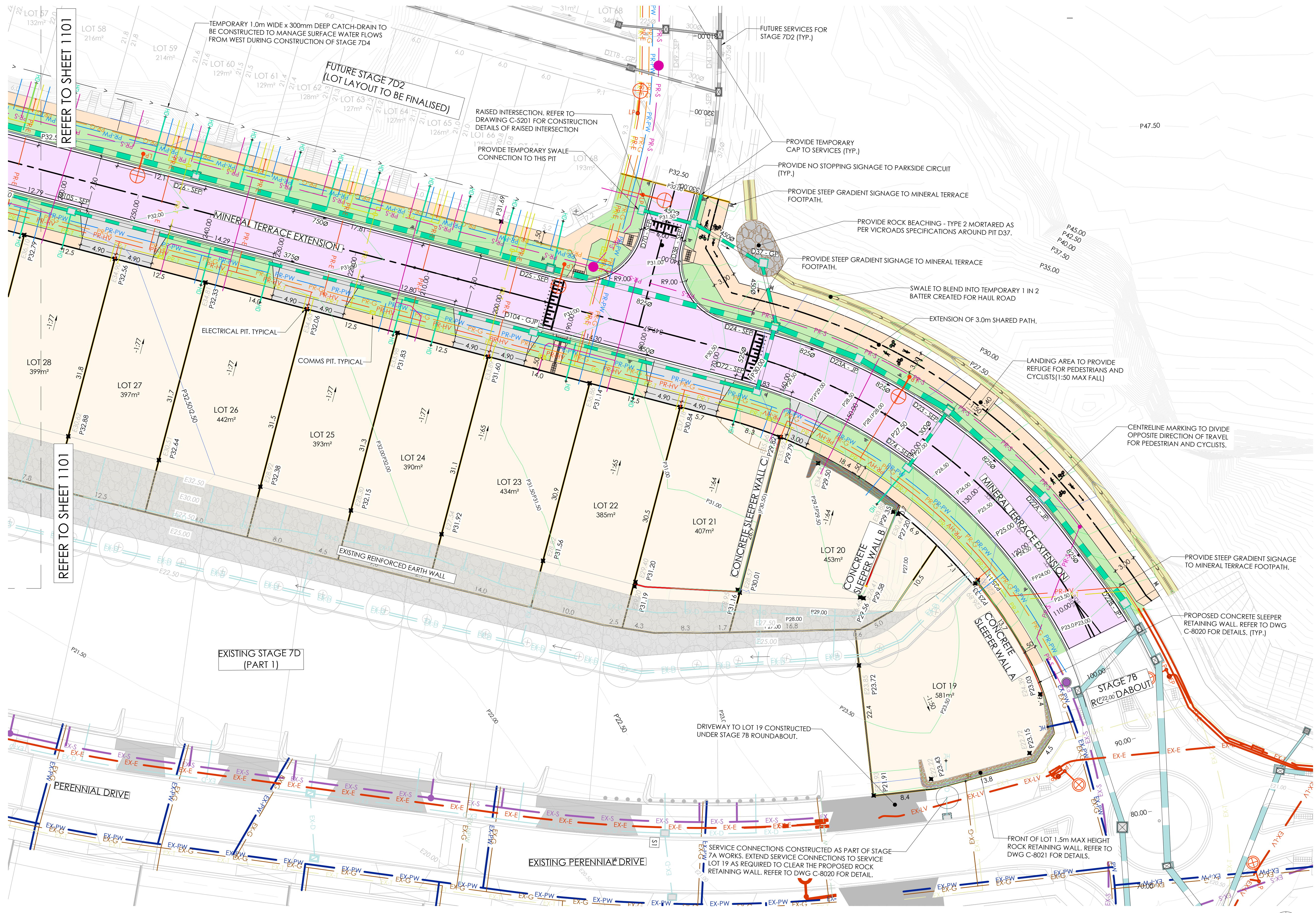
- PROPOSED ASPHALT PAVEMENT
- PROPOSED SHARED PATH
- PROPOSED PRIVATE TITLE LANDSCAPING
- PROPOSED VEHICLE CROSSING
- PROPOSED LOTS UNDER 7D2
- PROPOSED 1.5m HIGH ROCK RETAINING WALL
- PROPOSED ROAD RESERVE LANDSCAPING
- PROPOSED RETAINING WALL
- PROPOSED MAINTENANCE PATH
- PROPOSED SWALE

LINETYPES

- PROPOSED TELECOMMUNICATIONS
- PROPOSED FIRE SERVICES
- PROPOSED GAS
- PROPOSED ELECTRICITY (GENERAL)
- PROPOSED ELECTRICITY (LV)
- PROPOSED ELECTRICITY (HV)
- PROPOSED NBN
- PROPOSED NON-POTABLE WATER
- PROPOSED POTABLE WATER
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER DRAIN
- EXISTING TELECOMMUNICATIONS
- EXISTING FIRE SERVICES
- EXISTING GAS
- EXISTING ELECTRICITY (GENERAL)
- EXISTING ELECTRICITY (LV)
- EXISTING ELECTRICITY (HV)
- EXISTING NBN
- EXISTING POTABLE WATER
- EXISTING STORM WATER
- EXISTING SEWER
- EXISTING MINOR CONTOUR (1.0m)
- EXISTING MAJOR CONTOUR (5.0m)
- EXISTING STORMWATER PIPE

BLOCKS/SYMBOLS

- PROPOSED LIGHTPOLE
- EXISTING LIGHTPOLE
- PROPOSED STORM WATER PITS
- EXISTING STORMWATER PITS
- PROPOSED LEVEL
- EXISTING LEVEL
- PROPOSED STREETSCAPE / ROCKWALL PLANTING
- EXISTING STREETSCAPE
- PROPOSED TELECOMMUNICATION PIT
- PROPOSED LV SERVICE PIT



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FOR CONSTRUCTION

YourLand Developments

CJ ARMS CIVIL SITeworks

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: DETAILED LAYOUT PLAN (SHEET 1 OF 2)

Drawn By: BP
Checked By: TS
Drawn Scale: 1:250 @ A1
Date of first issue: 18.09.23

Project Number: 15006
Origin: CJA
Zone: 7D4
Level: XX
File Type: DR
Revs: C
Number: 1100
Revision: 0

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DRAWING LEGEND

HATCHING

- PROPOSED ASPHALT PAVEMENT
- PROPOSED SHARED PATH
- PROPOSED PRIVATE TITLE LANDSCAPING
- PROPOSED VEHICLE CROSSING
- PROPOSED LOTS UNDER 7D2
- PROPOSED 1.5m HIGH ROCK RETAINING WALL
- PROPOSED ROAD RESERVE LANDSCAPING
- PROPOSED RETAINING WALL
- PROPOSED MAINTENANCE PATH
- PROPOSED SWALE

LINETYPES

- PR-T PROPOSED TELECOMMUNICATIONS
- PR-FS PROPOSED FIRE SERVICES
- PR-G PROPOSED GAS
- PR-E PROPOSED ELECTRICITY (GENERAL)
- PR-LV PROPOSED ELECTRICITY (LV)
- PR-HV PROPOSED ELECTRICITY (HV)
- PR-N PROPOSED NBN
- PR-NPW PROPOSED NON-POTABLE WATER
- PR-PW PROPOSED POTABLE WATER
- PR-D PROPOSED STORMWATER PIPE
- PR-D PROPOSED STORMWATER DRAIN
- EX-T EXISTING TELECOMMUNICATIONS
- EX-FS EXISTING FIRE SERVICES
- EX-G EXISTING GAS
- EX-E EXISTING ELECTRICITY (GENERAL)
- EX-LV EXISTING ELECTRICITY (LV)
- EX-HV EXISTING ELECTRICITY (HV)
- EX-N EXISTING NBN
- EX-PW EXISTING POTABLE WATER
- EX-D EXISTING STORM WATER
- EX-S EXISTING SEWER
- EX-MC EXISTING MINOR CONTOUR (1.0m)
- EX-MC EXISTING MAJOR CONTOUR (5.0m)
- EX-SP EXISTING STORMWATER PIPE

BLOCKS/SYMBOLS

- PROPOSED LIGHTPOLE
- EXISTING LIGHTPOLE
- PROPOSED STORM WATER PITS
- EXISTING STORMWATER PITS
- PROPOSED LEVEL
- EXISTING LEVEL
- PROPOSED STREETScape / ROCKWALL PLANTING
- EXISTING STREETScape
- PROPOSED TELECOMMUNICATION PIT
- PROPOSED LV SERVICE PIT



7D4 SERVICES ARE AMENDED IN THIS REVISION. CHAINAGES FOR PROPOSED MINERAL TERRACE ARE NOW SHOWN ON THE CENTERLINE

ELECTRICAL AND COMMS SERVICES ADDED TO THE WEST OF MINERAL TERRACE.

CHAINAGES FOR PROPOSED PARKSIDE CIRCUIT ARE NOW SHOWN ON THE CENTERLINE

REFER TO DRAWING C-8000 FOR CONSTRUCTION OF ELECTRICAL PIT ON FOOTPATH DETAIL

Note for Contractors
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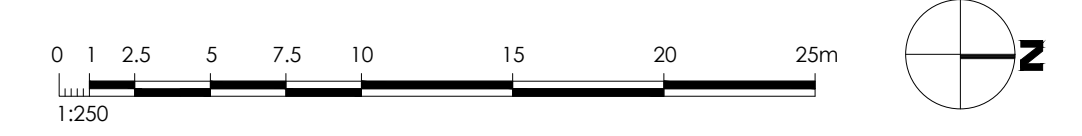
This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

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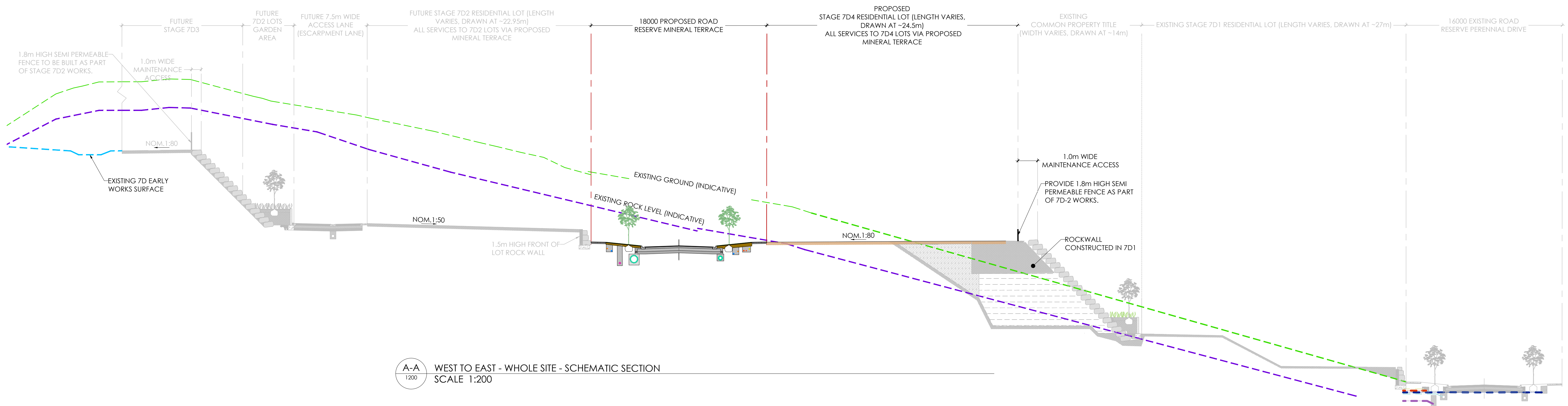
FOR CONSTRUCTION

Project: RIVER VALLEY - STAGE 7D4
Drawing Title: DETAILED LAYOUT PLAN (SHEET 2 OF 2)
Client: YOURLAND
Drawn By: [Name]
Checked By: [Name]
Drawn Scale: 1:250 @ A1
Date of first issue: 18.09.23

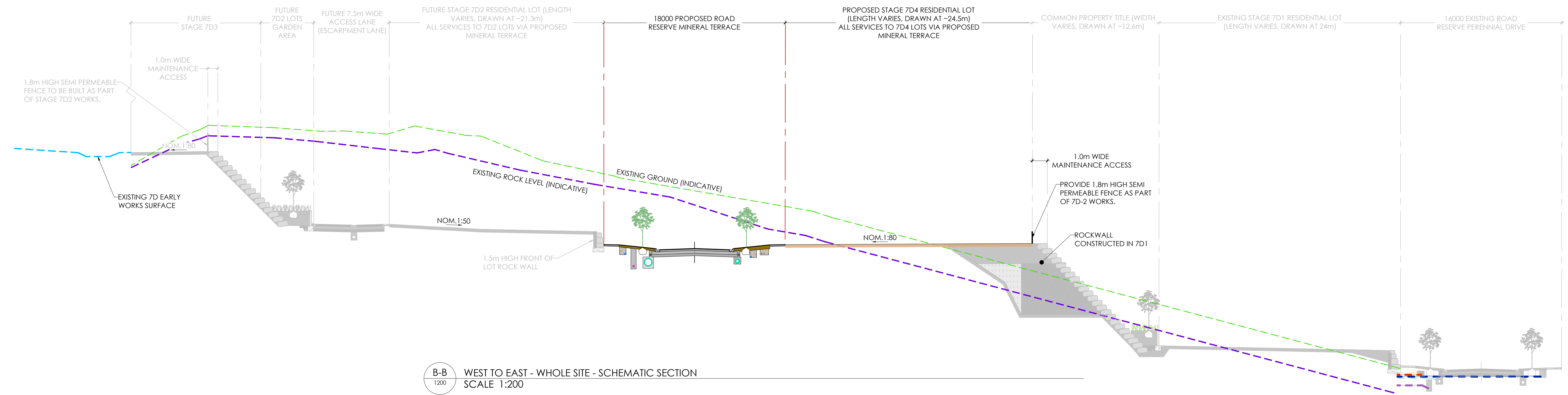
| Revision Number | Origin | Issue | Level | File Type | Reason | Number | Revision |
|-----------------|--------|-------|-------|-----------|--------|--------|----------|
| 1 | 15006 | CJA | 7D4 | XX | DR | C | 1101 |



| Revision | Date | By | Check | Reason |
|----------|----------|------|------------------|--------|
| 0 | 18.09.23 | ESSE | FOR CONSTRUCTION | |



A-A WEST TO EAST - WHOLE SITE - SCHEMATIC SECTION
SCALE 1:200



B-B WEST TO EAST - WHOLE SITE - SCHEMATIC SECTION
SCALE 1:200

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Note for Contractors
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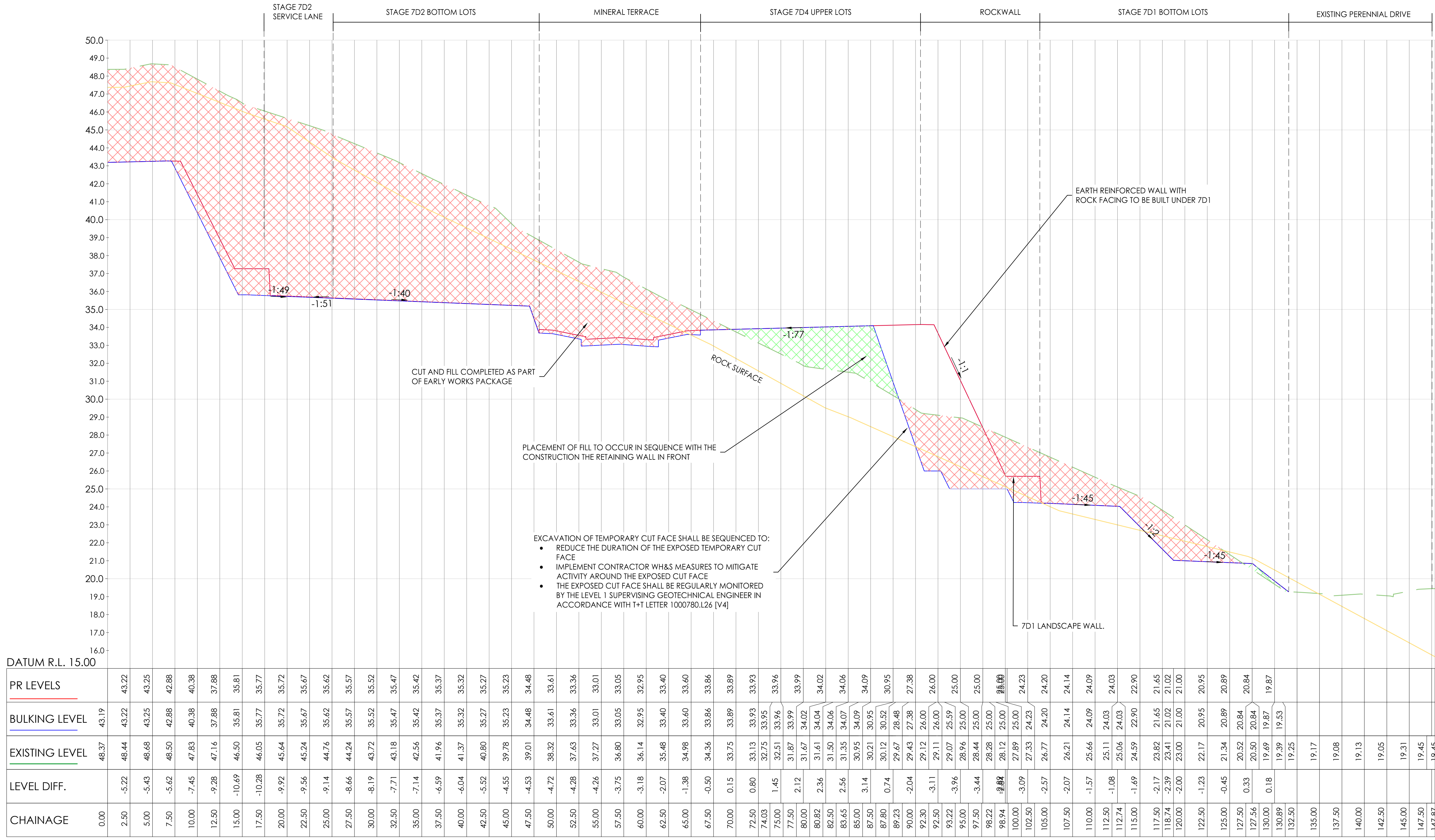
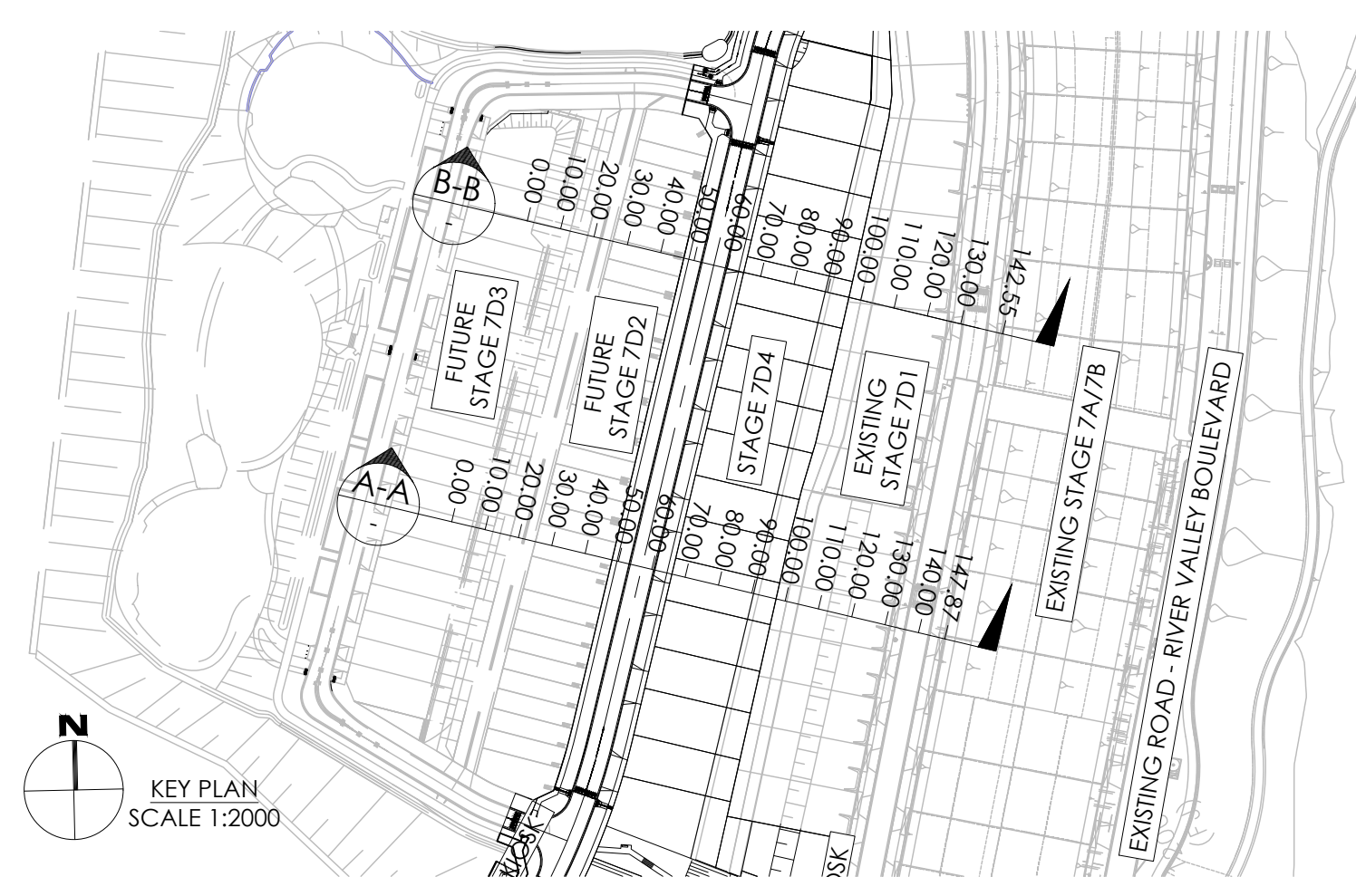
⚠️ Dial before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

FOR CONSTRUCTION



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| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 2000 | 0 |



| DATUM R.L. 15.00 | PR LEVELS | BULKING LEVEL | EXISTING LEVEL | LEVEL DIFF. | CHAINAGE |
|------------------|-----------|---------------|----------------|-------------|----------|
| 0.00 | 48.37 | 43.19 | 48.37 | | 0.00 |
| 2.50 | 48.44 | 43.22 | 48.44 | -5.22 | 2.50 |
| 5.00 | 48.68 | 43.25 | 48.68 | -5.43 | 5.00 |
| 7.50 | 48.50 | 42.88 | 48.50 | -5.62 | 7.50 |
| 10.00 | 47.83 | 40.38 | 47.83 | -7.45 | 10.00 |
| 12.50 | 47.16 | 37.88 | 47.16 | -9.28 | 12.50 |
| 15.00 | 46.50 | 35.81 | 46.50 | -10.69 | 15.00 |
| 17.50 | 46.05 | 35.77 | 46.05 | -10.28 | 17.50 |
| 20.00 | 45.64 | 35.72 | 45.64 | -9.92 | 20.00 |
| 22.50 | 45.24 | 35.67 | 45.24 | -9.56 | 22.50 |
| 25.00 | 44.76 | 35.62 | 44.76 | -9.14 | 25.00 |
| 27.50 | 44.24 | 35.57 | 44.24 | -8.66 | 27.50 |
| 30.00 | 43.72 | 35.52 | 43.72 | -8.19 | 30.00 |
| 32.50 | 43.18 | 35.47 | 43.18 | -7.71 | 32.50 |
| 35.00 | 42.56 | 35.42 | 42.56 | -7.14 | 35.00 |
| 37.50 | 41.96 | 35.37 | 41.96 | -6.59 | 37.50 |
| 40.00 | 41.37 | 35.32 | 41.37 | -6.04 | 40.00 |
| 42.50 | 40.80 | 35.27 | 40.80 | -5.52 | 42.50 |
| 45.00 | 39.78 | 35.23 | 39.78 | -4.55 | 45.00 |
| 47.50 | 39.01 | 34.48 | 39.01 | -4.53 | 47.50 |
| 50.00 | 38.32 | 33.61 | 38.32 | -4.72 | 50.00 |
| 52.50 | 37.63 | 33.36 | 37.63 | -4.28 | 52.50 |
| 55.00 | 37.27 | 33.01 | 37.27 | -4.26 | 55.00 |
| 57.50 | 36.80 | 33.05 | 36.80 | -3.75 | 57.50 |
| 60.00 | 36.14 | 32.95 | 36.14 | -3.18 | 60.00 |
| 62.50 | 35.48 | 33.40 | 35.48 | -2.07 | 62.50 |
| 65.00 | 34.98 | 33.60 | 34.98 | -1.38 | 65.00 |
| 67.50 | 34.36 | 33.86 | 34.36 | -0.50 | 67.50 |
| 70.00 | 33.75 | 33.89 | 33.75 | 0.15 | 70.00 |
| 72.50 | 33.13 | 33.93 | 33.13 | 0.80 | 72.50 |
| 74.03 | 32.75 | 33.95 | 32.75 | 1.45 | 74.03 |
| 75.00 | 32.51 | 33.96 | 32.51 | 1.45 | 75.00 |
| 77.50 | 31.87 | 33.99 | 31.87 | 2.12 | 77.50 |
| 80.00 | 31.67 | 34.02 | 31.67 | 2.36 | 80.00 |
| 82.50 | 31.50 | 34.06 | 31.50 | 2.56 | 82.50 |
| 85.00 | 31.35 | 34.07 | 31.35 | 2.72 | 85.00 |
| 87.50 | 30.95 | 34.09 | 30.95 | 3.14 | 87.50 |
| 89.23 | 30.12 | 30.52 | 30.12 | 0.74 | 89.23 |
| 90.00 | 29.67 | 28.48 | 29.67 | -2.04 | 90.00 |
| 92.30 | 29.12 | 26.00 | 29.12 | -3.11 | 92.30 |
| 93.22 | 29.07 | 25.59 | 29.07 | -3.96 | 93.22 |
| 95.00 | 28.96 | 25.00 | 28.96 | -3.44 | 95.00 |
| 98.22 | 28.28 | 25.00 | 28.28 | -3.72 | 98.22 |
| 98.94 | 28.12 | 25.00 | 28.12 | -3.88 | 98.94 |
| 100.00 | 27.89 | 25.00 | 27.89 | -3.09 | 100.00 |
| 102.50 | 27.33 | 24.23 | 27.33 | -2.57 | 102.50 |
| 105.00 | 26.77 | 24.20 | 26.77 | -2.07 | 105.00 |
| 107.50 | 26.21 | 24.14 | 26.21 | -1.57 | 107.50 |
| 110.00 | 25.66 | 24.09 | 25.66 | -1.08 | 110.00 |
| 112.74 | 25.11 | 24.03 | 25.11 | -0.88 | 112.74 |
| 115.00 | 24.59 | 22.90 | 24.59 | -1.69 | 115.00 |
| 117.50 | 23.82 | 21.65 | 23.82 | -2.17 | 117.50 |
| 118.74 | 23.41 | 21.02 | 23.41 | -2.39 | 118.74 |
| 120.00 | 23.00 | 21.00 | 23.00 | -2.00 | 120.00 |
| 122.50 | 22.17 | 20.95 | 22.17 | -1.23 | 122.50 |
| 125.00 | 21.34 | 20.89 | 21.34 | -0.45 | 125.00 |
| 127.50 | 20.52 | 20.84 | 20.52 | 0.33 | 127.50 |
| 130.00 | 19.69 | 19.87 | 19.69 | 0.18 | 130.00 |
| 132.50 | 19.25 | 19.53 | 19.25 | | 132.50 |
| 135.00 | 19.17 | | 19.17 | | 135.00 |
| 137.50 | 19.08 | | 19.08 | | 137.50 |
| 140.00 | 19.13 | | 19.13 | | 140.00 |
| 142.50 | 19.05 | | 19.05 | | 142.50 |
| 145.00 | 19.31 | | 19.31 | | 145.00 |
| 147.50 | 19.45 | | 19.45 | | 147.50 |
| 147.87 | 19.45 | | 19.45 | | 147.87 |

A-A - LONG SECTION
 SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)



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DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1.REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION

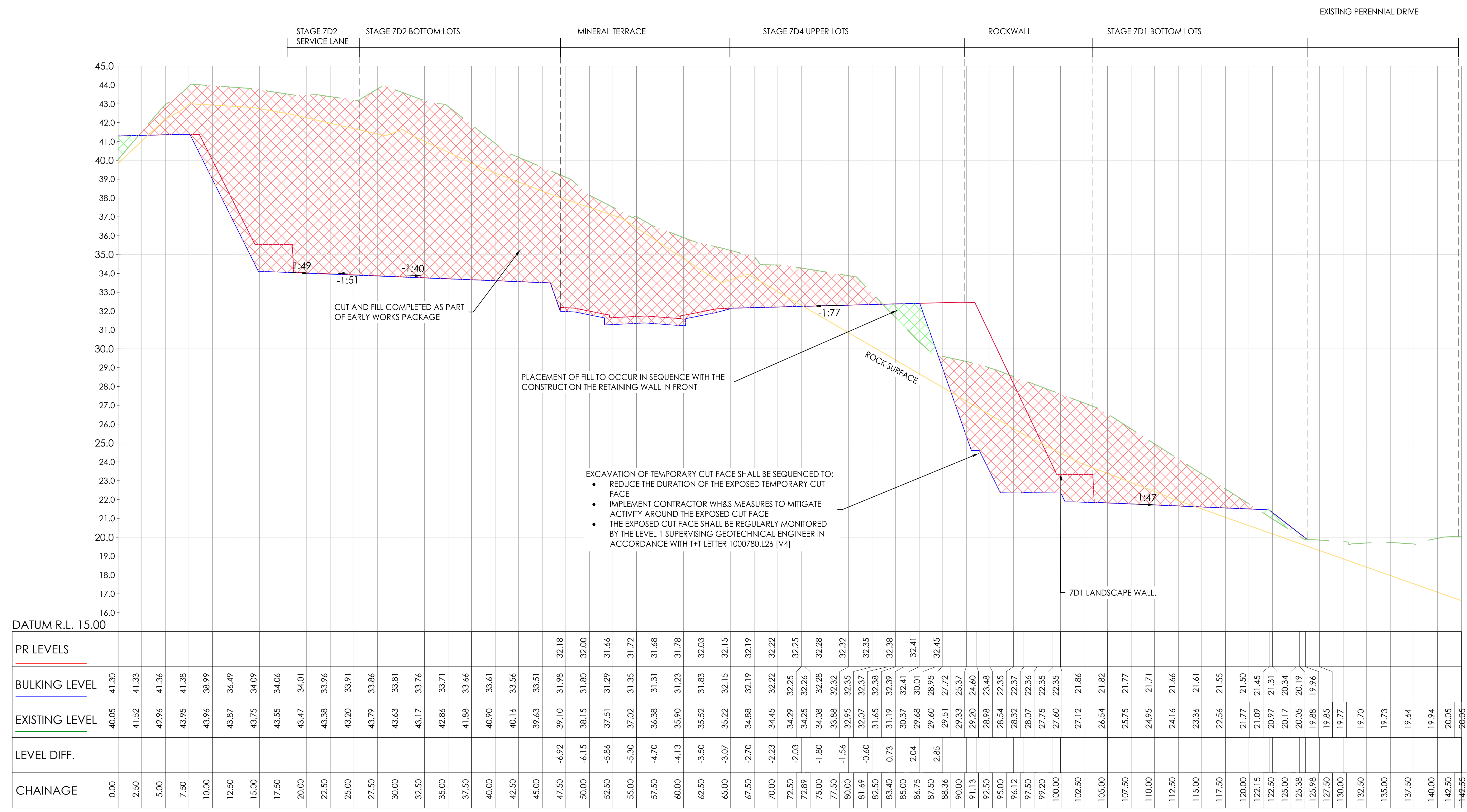
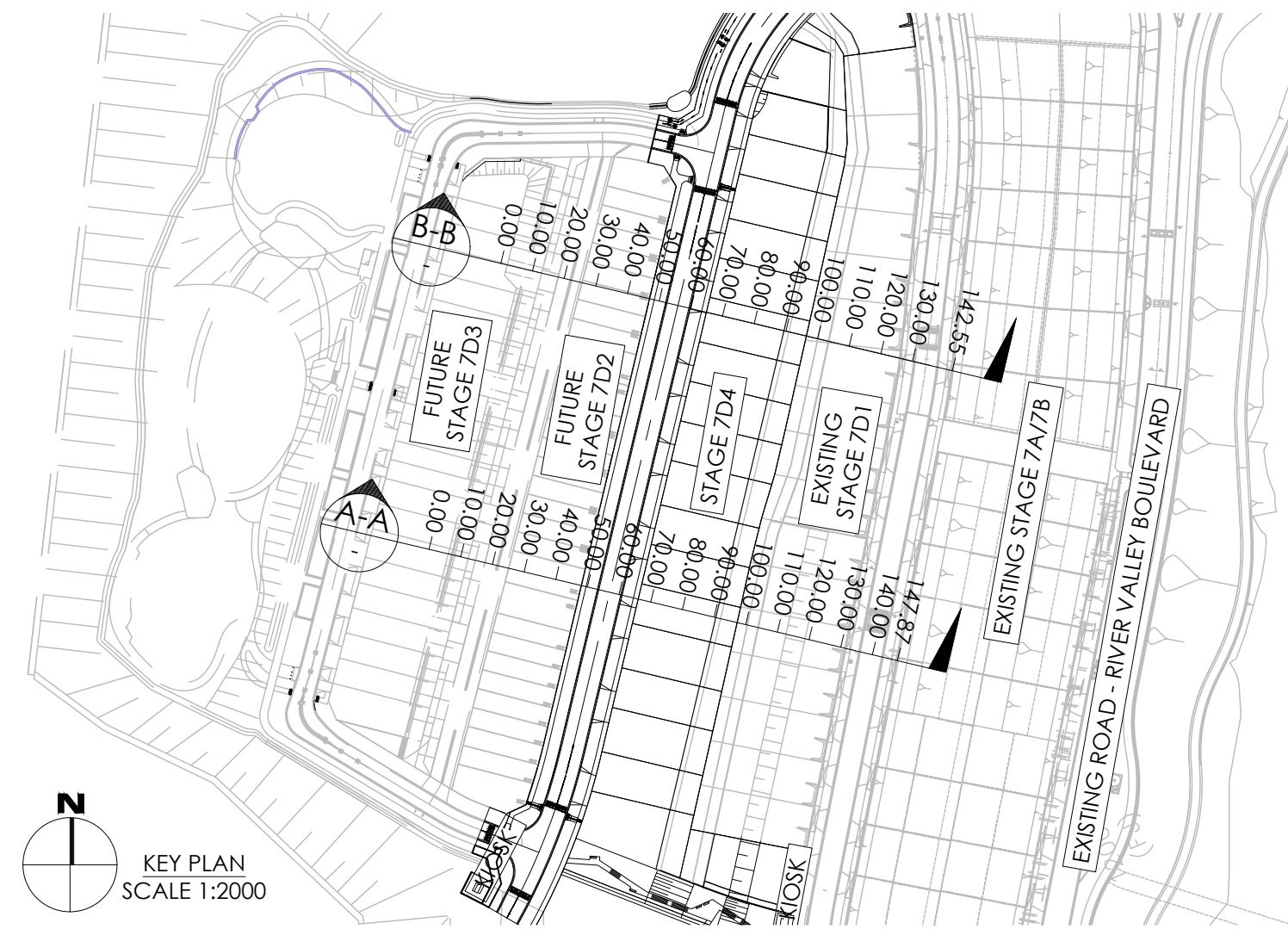


CIVIL SITWORKS
 MELBOURNE
 T: (03) 9883 2800 | E: info@cjarms.com | W: www.cjarms.com

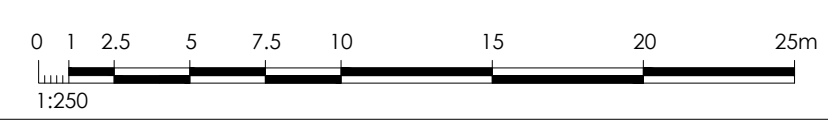
Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Purpose of Issue: FOR CONSTRUCTION

Drawn By: EP
 Checked By: TS
 Drawn Scale: AS SHOWN @ A1
 Date of Issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 2001 | 0 |



B-B - LONG SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)



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Disclaimers:
1. This drawing is copyright of CJ Arms. It must not be copied or reproduced without written consent from the owner.
2. Do not scale from this drawing. Only figured dimensions are to be taken from this drawing.
3. All contractors must visit site and be responsible for locating and checking all dimensions related to the works shown on the drawing prior to fabrication or setting out.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1.REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).
 DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

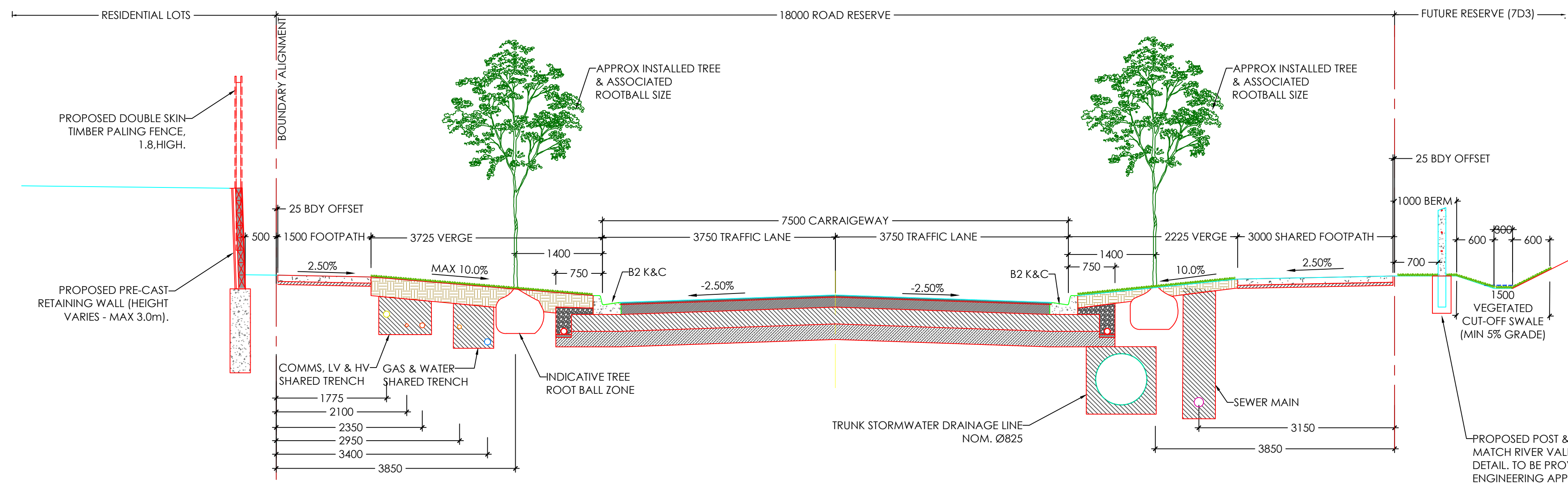
FOR CONSTRUCTION



Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
FOR CONSTRUCTION

Project Number: 15006 Orig: CJA Zone: 7D4 Level: XX File Type: DR Rev: C Number: 2002 Revision: 0

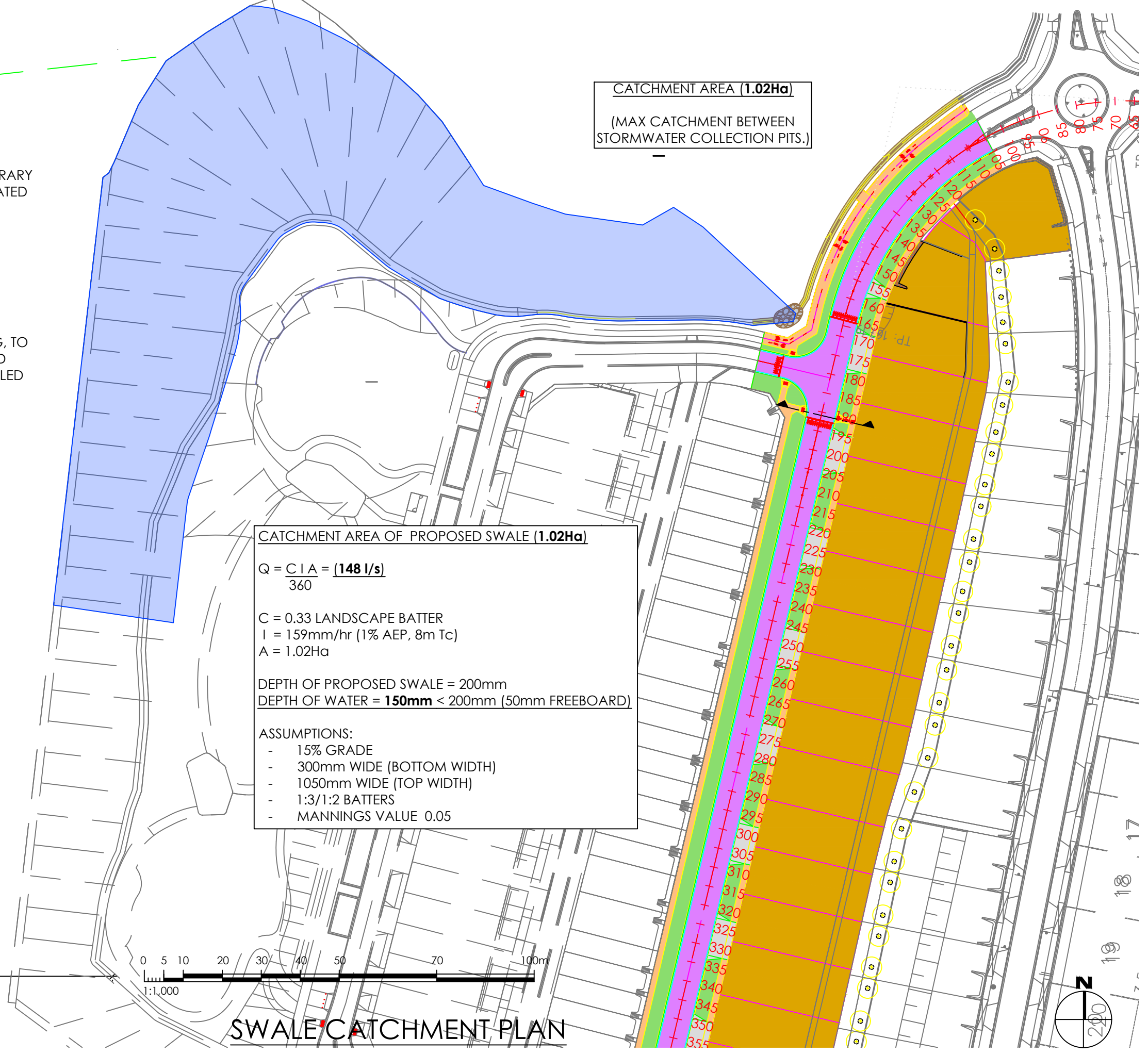
Drawn By: EP Checked By: TS Drawn Scale: AS SHOWN @ A1 Date of first issue: 18.09.23



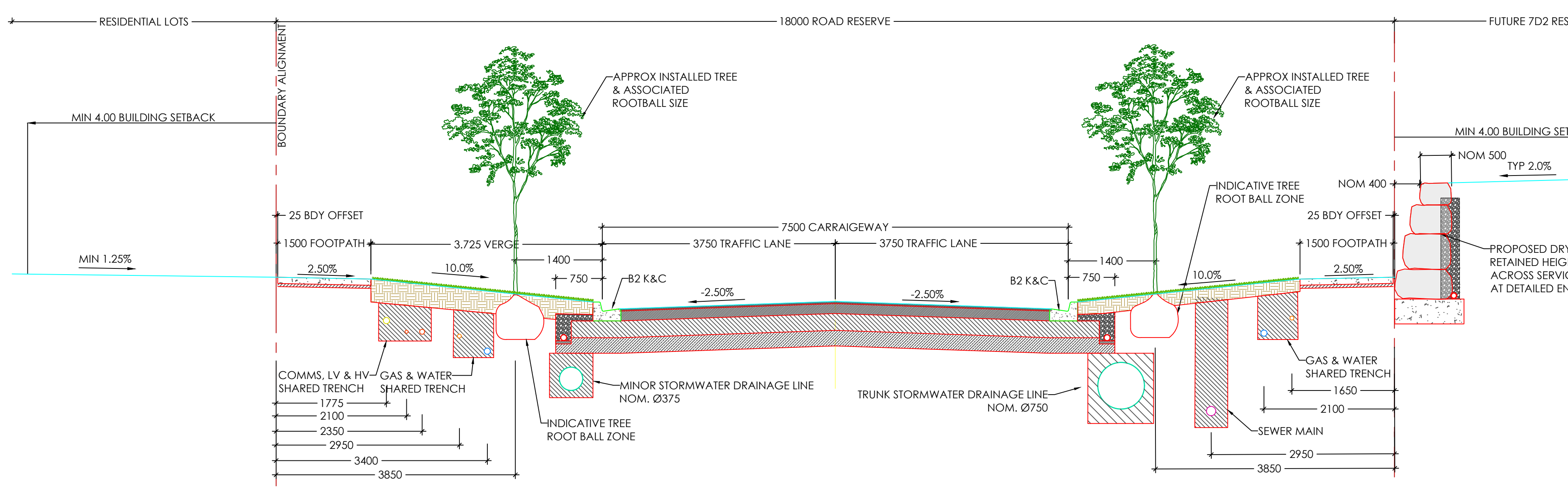
TYPICAL ROAD CROSS SECTION - MINERAL TERRACE
CH 110-170

| TABLE OF SERVICE OFFSETS | | | | | | |
|--------------------------------|------------------|------------------|--------|-----------------------|---------|------|
| Street | Gas | Water | Sewer | Elec | Comms | BOK |
| MINERAL TERRACE - CH 110 - 170 | 2.95 S | 3.40 S | 3.15 N | 2.10(LV) / 2.35(HV) S | 1.775 S | 5.10 |
| MINERAL TERRACE - CH 190 - 390 | 2.95 E 1.65 W | 3.40 E 2.10 W | 2.95 W | 2.10(LV) / 2.35(HV) E | 1.775 E | 5.10 |

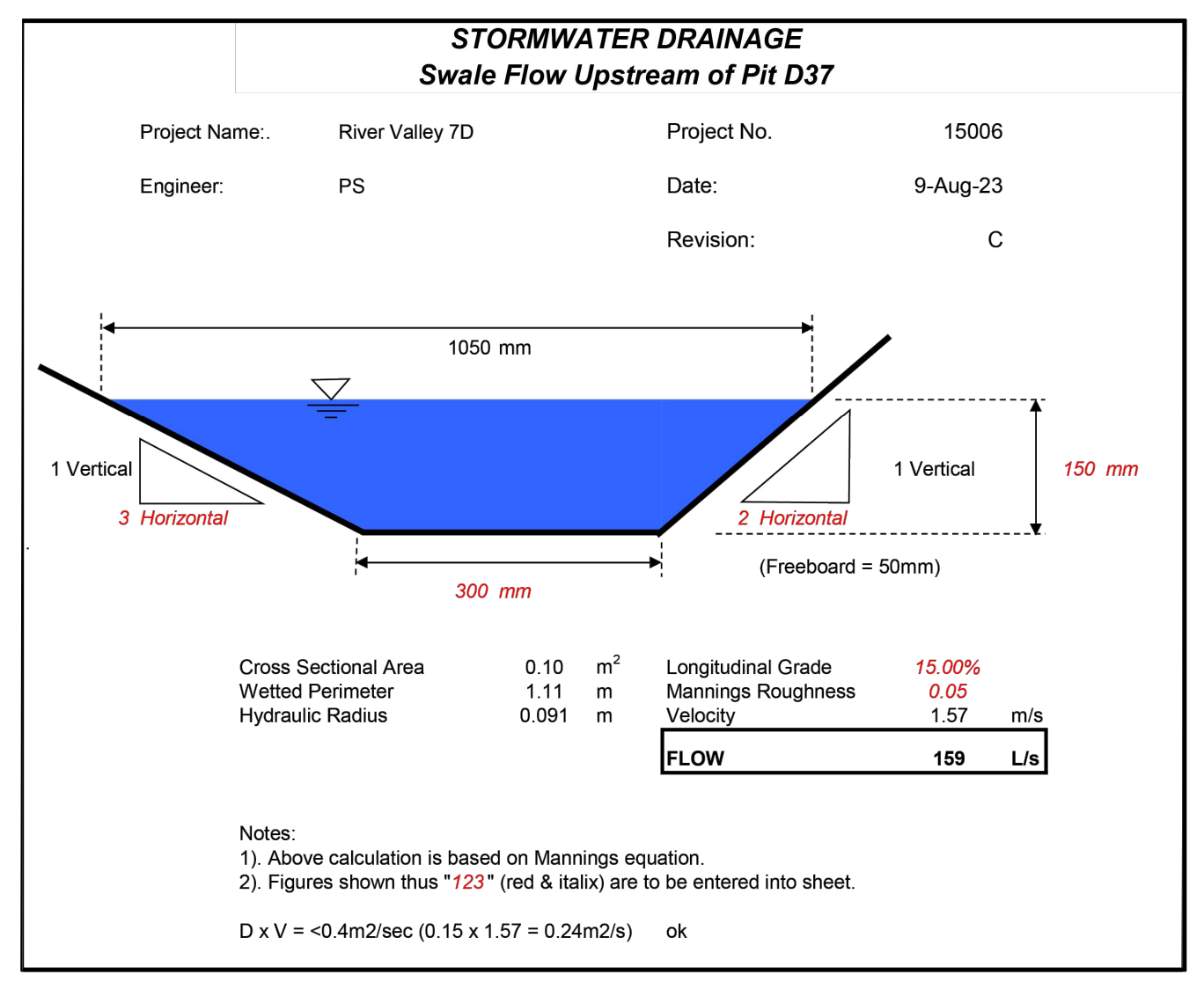
- NOTES:
- MINIMUM DEPTH OF COVER TO ALL UTILITY SERVICES WITH THE EXCEPTION OF TELECOMMUNICATIONS SERVICES TO BE 600mm. TELECOMMUNICATIONS SERVICES ARE TO HAVE A MINIMUM DEPTH OF COVER OF 450mm.
 - REFER TO ABOVE TABLE FOR SERVICES OFFSETS.
 - LOCATIONS OF STREET TREES ARE SHOWN INDICATIVELY ONLY.
 - REFER TO LANDSCAPE PLANS FOR FURTHER DETAILS ON PLANTING AND TREE TREATMENTS.



SWALE CATCHMENT PLAN



TYPICAL ROAD CROSS SECTION - MINERAL TERRACE
CH 190 - 390
(ALL CROSS ROAD UTILITY INFRASTRUCTURE OMITTED FOR CLARITY)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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FOR CONSTRUCTION

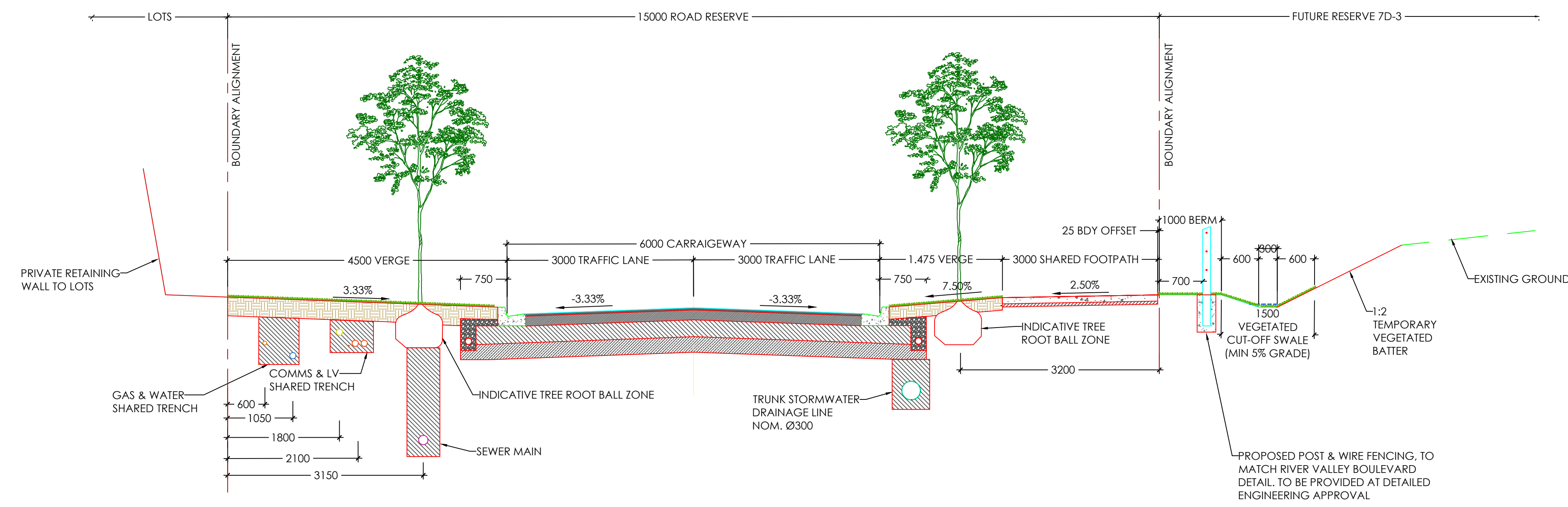


CIVIL SITWORKS
Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing File: TYPICAL ROAD CROSS SECTIONS (SHEET 1 OF 2)

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 2100 | 0 |

Drawn By: BP, Checked By: TS, Date of Issue: 18.09.23

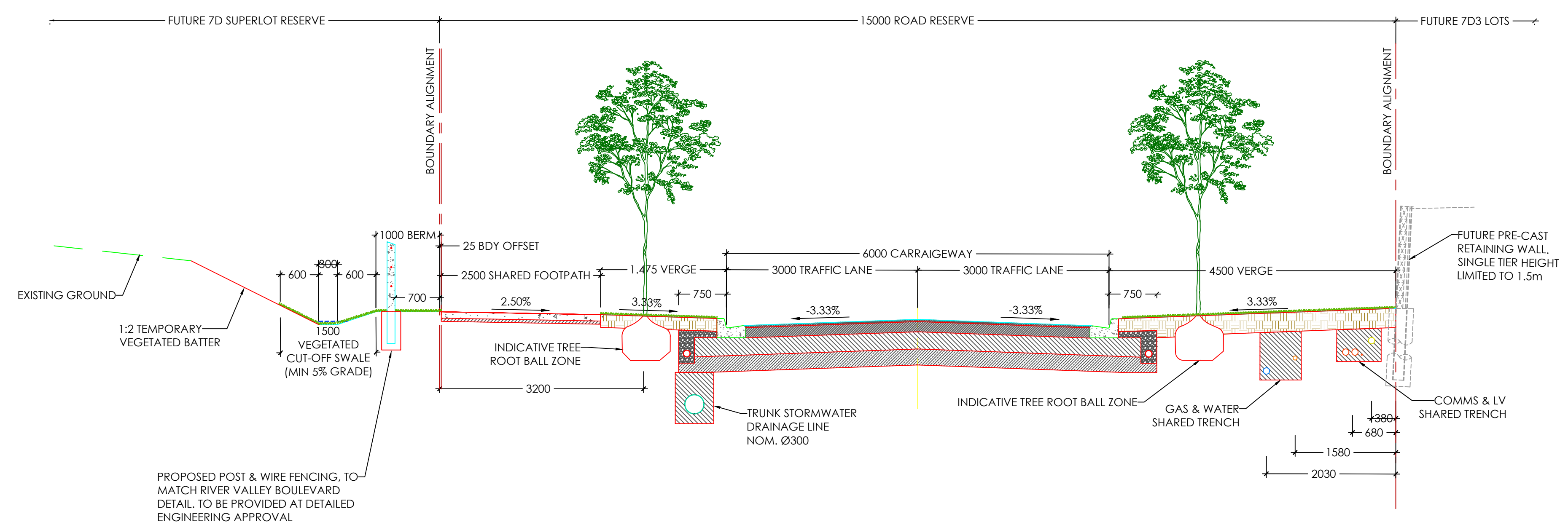
www.cjarms.com



TYPICAL ROAD CROSS SECTIONS - PARKSIDE CIRCUIT (EAST & WEST LINKS - NORTH JUNCTION)

| TABLE OF SERVICE OFFSETS | | | | | | |
|---|---------|---------|---------|---------|---------|-------|
| Street | Gas | Water | Sewer | Elec | Comms | BOK |
| PARKSIDE CIRCUIT (EAST & WEST LINKS - NORTH JUNCTION) | 0.600 S | 1.050 S | 3.150 S | 2.100 S | 1.800 S | 4.350 |

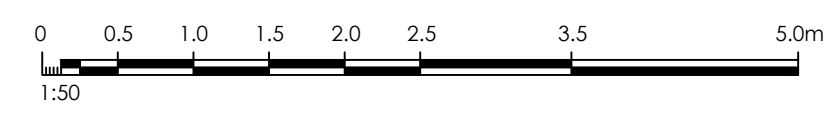
- NOTES:
- MINIMUM DEPTH OF COVER TO ALL UTILITY SERVICES WITH THE EXCEPTION OF TELECOMMUNICATIONS SERVICES TO BE 600mm. TELECOMMUNICATIONS SERVICES ARE TO HAVE A MINIMUM DEPTH OF COVER OF 450mm.
 - REFER TO ABOVE TABLE FOR SERVICES OFFSETS.
 - LOCATIONS OF STREET TREES ARE SHOWN INDICATIVELY ONLY.
 - REFER TO LANDSCAPE PLANS FOR FURTHER DETAILS ON PLANTING AND TREE TREATMENTS.



TYPICAL ROAD CROSS SECTIONS - PARKSIDE CIRCUIT (EAST & WEST LINKS - SOUTH JUNCTION)

| TABLE OF SERVICE OFFSETS | | | | | |
|---|---------|---------|---------|---------|-------|
| Street | Gas | Water | Elec | Comms | BOK |
| PARKSIDE CIRCUIT (EAST & WEST LINKS - SOUTH JUNCTION) | 1.580 N | 2.030 N | 0.680 N | 0.380 N | 4.350 |

- NOTES:
- MINIMUM DEPTH OF COVER TO ALL UTILITY SERVICES WITH THE EXCEPTION OF TELECOMMUNICATIONS SERVICES TO BE 600mm. TELECOMMUNICATIONS SERVICES ARE TO HAVE A MINIMUM DEPTH OF COVER OF 450mm.
 - REFER TO ABOVE TABLE FOR SERVICES OFFSETS.
 - LOCATIONS OF STREET TREES ARE SHOWN INDICATIVELY ONLY.
 - REFER TO LANDSCAPE PLANS FOR FURTHER DETAILS ON PLANTING AND TREE TREATMENTS.



| Revision | Date | By | Check | Description |
|----------|----------|-------------------------|-------|-------------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

Note for Contractors
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FOR CONSTRUCTION



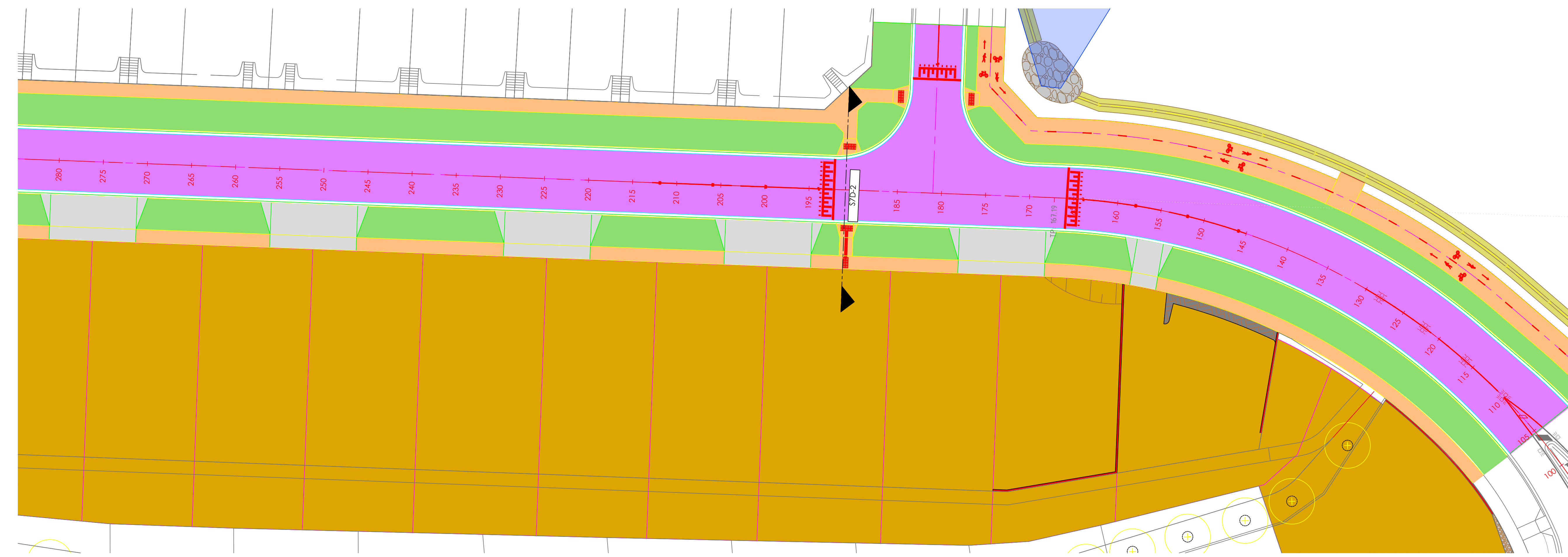
CIVIL SITeworks
MELBOURNE
T: (03) 9385 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Revision: 001
FOR CONSTRUCTION

Drawn By: BP
Checked By: VE
Drawn Scale: 1:50 @ A1
Date of first issue: 18.09.23

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 2101 | 0 |

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SECTION S7D-2

Q_{RAEP} (7D AREA) = **1.2m³/s** (From Civil Site Design Software model. Refer to catchment hydrology report in C-2104 for individual pits catchment flows & C-9600 for Catchment plan.)

Q_{RAEP} (GLEN ORA GAP FLOW ALLOWANCE) = **2.0m³/s**

Q_{RAEP} (TOTAL) = **3.2m³/s**

PIPE H.G.L. CAPACITY = **4794 l/s = 4145(D25-D24) + 649.4(D104-D72)**
(REFER TO C-2105/2106)

The pipes alone have capacity for Q100 flow so there will be no problem on raised intersection due to Q100 flows.



| Revision | Date | By | Check |
|----------|----------|-------------------------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP TS |
| | | Drawn | Checked |

Note for Contractors
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⚠ Dial before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

FOR CONSTRUCTION



CIVIL SITWORKS
MELBOURNE
T: (03) 9385 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Purpose: FOR CONSTRUCTION

Drawn By: BP
Checked By: VE
Drawn Scale: AS SHOWN @ A1
Date of first issue: 18.09.23

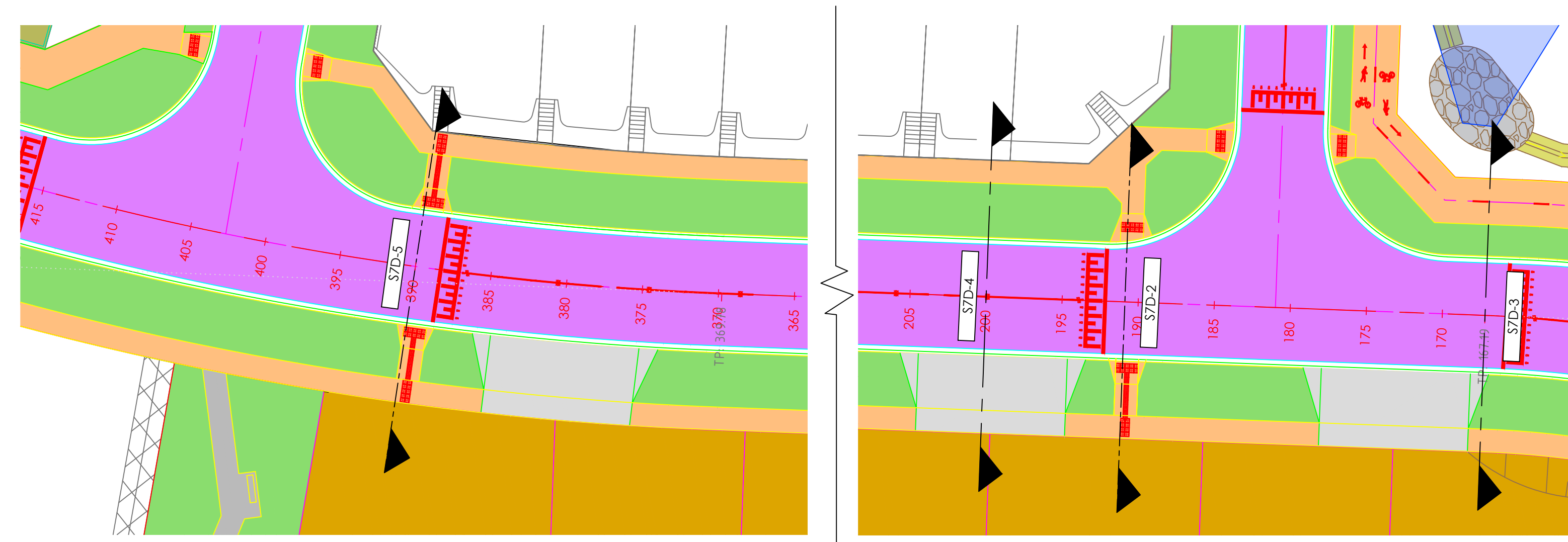
Revision: 0

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 2102 | 0 |

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1. This drawing is copyright of CJ Arms. It must not be copied or reproduced without written consent from the owner.
2. Do not scale from this drawing. Only figured dimensions are to be taken from this drawing.
3. All contractors must call site and be responsible for finding and checking all dimensions related to the works shown on the drawing prior to fabrication or setting out.

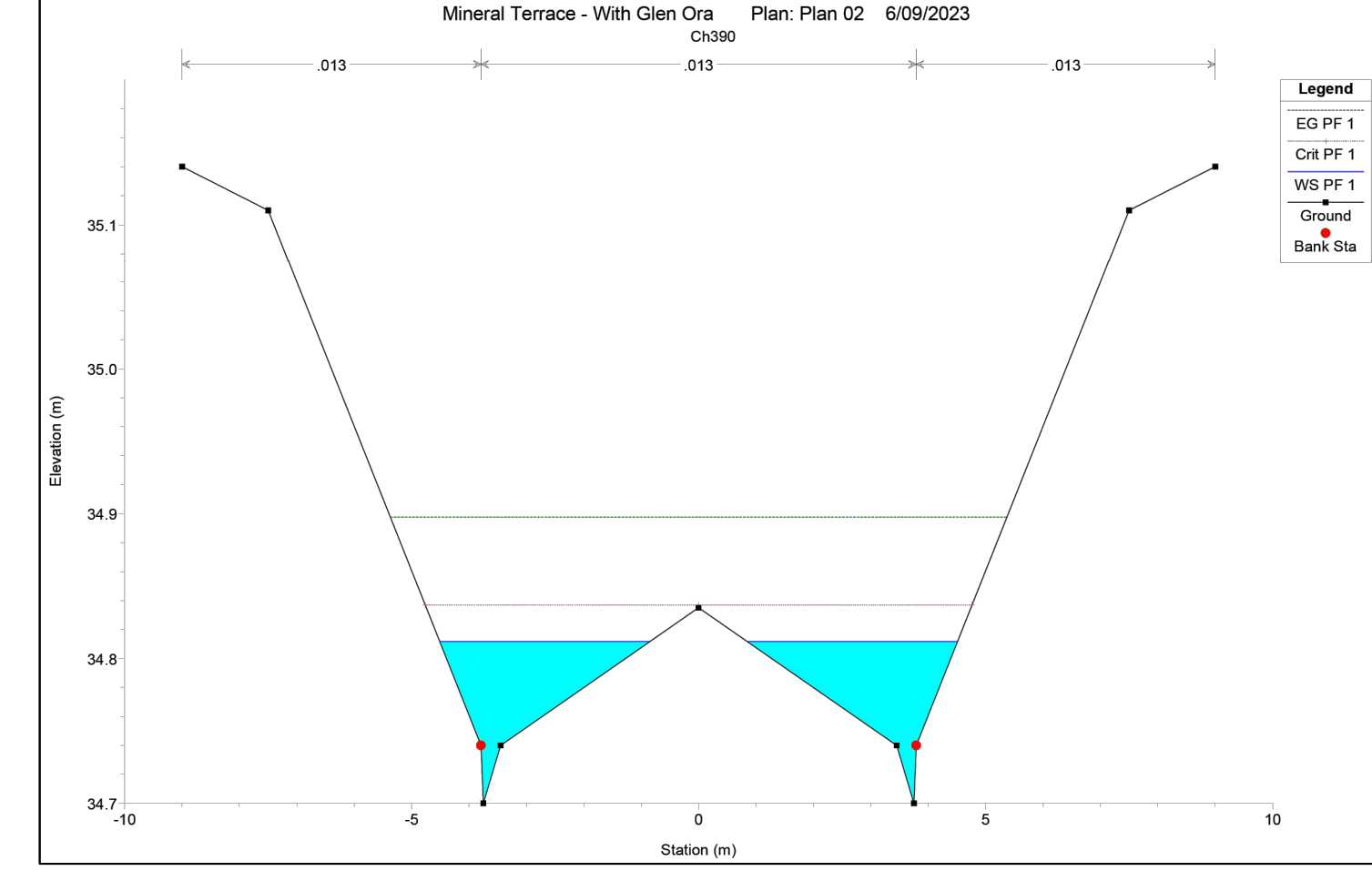
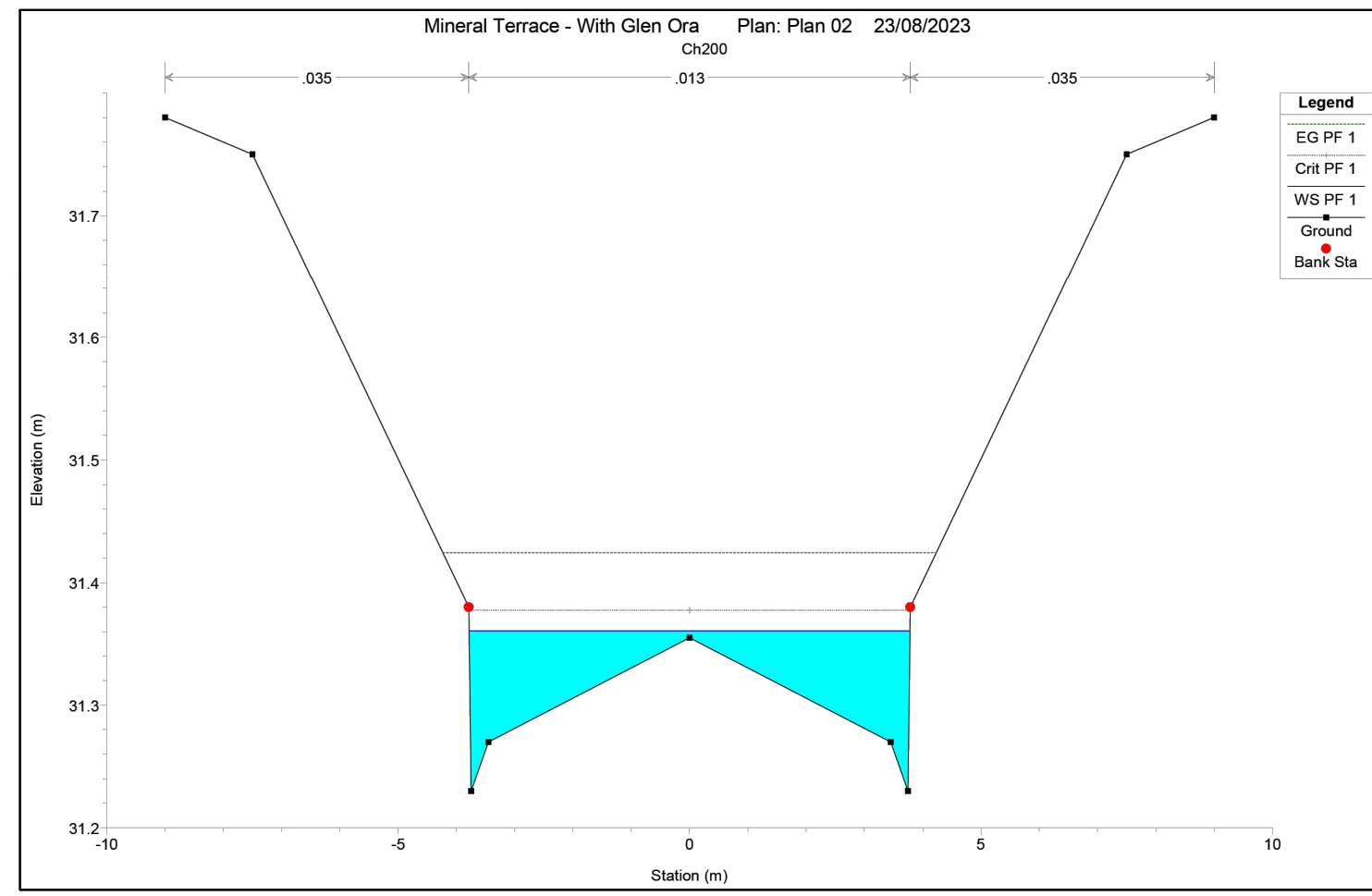
| SECTION S7D-3 | |
|---|---|
| $Q_{1\%AEP}$ (7D AREA) = 2.33 m³/s | (From Civil Site Design Software model. Refer to catchment hydrology report in C-2104 for individual pits catchment flows & C-9600 for Catchment plan.) |
| $Q_{1\%AEP}$ (GLEN ORA GAP FLOW ALLOWANCE) = 2.0 m³/s | |
| $Q_{1\%AEP}$ (TOTAL) = 4.33 m³/s | |
| HGL PIPE CAPACITY = 4145l/s(D24-25)+649.4l/s(D72-D104) = 4794l/s | (REFER TO C-2105/2106) |
| PIPE CAPACITY (4794 l/s OR 4.79 m³/s) | |
| 4.79 > 4.33 m³/s, HENCE OK | |



| MINERAL TERRACE - RAISED PLATFORM | |
|-----------------------------------|---|
| V_{AVE} | 1.18 m/s |
| D_{AVE} | 110 mm |
| $D_{AVE} \times V_{AVE}$ | 0.13 m ² /s < 0.35 m ² /s |

| SECTION S7D-4 | |
|--|---|
| $Q_{1\%AEP}$ (7D AREA) = 1.2m³/s | (From Civil Site Design Software model. Refer to catchment hydrology report in C-2104 for individual pits catchment flows & C-9600 for Catchment plan.) |
| $Q_{1\%AEP}$ (GLEN ORA GAP FLOW ALLOWANCE) = 2.0m³/s | |
| $Q_{1\%AEP}$ (TOTAL) = 3.2m³/s | |
| PIPE H.G.L. CAPACITY = 2100.6L/s(D26-D25) + 649.4L/s(D104-D72) = 2750 L/s | (REFER TO C-2105/2106) |
| ROAD CAPACITY WITH 375mm FREEBOARD TO LOT BOUNDARY = 450 l/s | |
| DEPTH = 130mm | |
| ASSUMPTIONS: | |
| - 1.90% GRADE | |
| - MANNINGS VALUE 0.015 | |
| TOTAL PIPE AND ROAD CAPACITY (3200 l/s OR 3.2 m³/s) | |
| 3.2 > 3.2 m³/s, HENCE OK | |

| SECTION S7D-5 | |
|---|---|
| $Q_{1\%AEP}$ (7D AREA) = 0.70 m³/s | (From Civil Site Design Software model. Refer to catchment hydrology report in C-2104 for individual pits catchment flows.) |
| $Q_{1\%AEP}$ (GLEN ORA GAP FLOW ALLOWANCE) = 2.0 m³/s | |
| $Q_{1\%AEP}$ (TOTAL) = 2.7 m³/s | |
| HGL PIPE CAPACITY = 2116l/s(D25-26)+195l/s(D107-D108) = 2312l/s | |
| ROAD CAPACITY WITH 330mm FREEBOARD TO LOT BOUNDARY = 390 l/s | |
| DEPTH = 110mm | |
| ASSUMPTIONS: | |
| - 1.90% GRADE | |
| - MANNINGS VALUE 0.015 | |
| TOTAL PIPE AND ROAD CAPACITY (2702 l/s OR 2.702 m³/s) | |
| 2.702 > 2.7 m³/s, HENCE OK | |



1 IN 100 YEAR CRITICAL (SECTION S7D-4)

1 IN 100 YEAR CRITICAL (SECTION S7D-5)



| Revision | Date | Reason | Drawn | Checked |
|----------|----------|-------------------------|-------|---------|
| 0 | 18/09/23 | ISSUED FOR CONSTRUCTION | BP | TS |

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FOR CONSTRUCTION



CIVIL SITEWORKS
 MELBOURNE
 T: (03) 9385 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: CRITICAL SECTION CALCULATION (SHEET 2 OF 2)

Drawn By: BP
 Checked By: VE
 Drawn Scale: N/A @ A1
 Date of First Issue: 18/09/23

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 2103 | 0 |

Catchment Hydrology – Return Period: 100yrs Location: Sunshine Nth

| Pit No. | Single Catchment Area (Ha) | Pit C Factor | Pit Effective Area (Ha) | Adopted Pit Tc (min) | Rainfall Intensity (mm/hr) | Total Catchment Flow (l/s) | Catchment Flow Direct to Pipe (l/s) | Catchment Flow to Pit Inlet (l/s) | Specified Inflow to Pit (l/s) | Total Flow to Pit (l/s) |
|---------|----------------------------|--------------|-------------------------|----------------------|----------------------------|----------------------------|-------------------------------------|-----------------------------------|-------------------------------|-------------------------|
| D2 | | | | | 186.0 | | | | | 0.0 |
| D3 | | | | | 186.0 | | | | | 0.0 |
| D3A | | | | | 186.0 | | | | | 0.0 |
| D3B | | | | | 186.0 | | | | | 0.0 |
| D4 | | | | | 186.0 | | | | | 0.1 |
| D5 | | | | | 186.0 | | | | | 1.1 |
| D6 | | | | | 186.0 | | | | | 18.6 |
| D7 | 0.151 | 0.900 | 0.136 | 6 | 174.0 | 65.7 | | 65.7 | | 85.4 |
| D8 | | | | | 186.0 | | | | | 1.6 |
| D50 | 0.158 | 0.873 | 0.138 | 7 | 165.5 | 63.4 | | 63.4 | | 87.7 |
| | 0.043 | 0.800 | 0.034 | | | | | | | |
| | 0.115 | 0.900 | 0.104 | | | | | | | |
| D9 | 0.048 | 0.800 | 0.038 | 7 | 165.5 | 17.7 | | 17.7 | | 26.0 |
| D51 | 0.250 | 0.826 | 0.207 | 7 | 165.5 | 95.0 | | 95.0 | | 98.5 |
| | 0.184 | 0.800 | 0.147 | | | | | | | |
| | 0.066 | 0.900 | 0.059 | | | | | | | |
| D10 | 0.148 | 0.845 | 0.125 | 7 | 165.5 | 57.5 | | 57.5 | | 62.1 |
| | 0.081 | 0.800 | 0.065 | | | | | | | |
| | 0.067 | 0.900 | 0.060 | | | | | | | |
| D104 | 0.069 | 0.900 | 0.062 | 6 | 174.0 | 30.0 | | 30.0 | | 30.0 |
| D52 | | | | | 186.0 | | | | | 28.4 |
| D11 | 0.068 | 0.843 | 0.057 | 7 | 165.5 | 26.3 | | 26.3 | | 44.7 |
| | 0.039 | 0.800 | 0.031 | | | | | | | |
| | 0.029 | 0.900 | 0.026 | | | | | | | |
| D103 | 0.074 | 0.900 | 0.067 | 6 | 174.0 | 32.2 | | 32.2 | | 32.2 |
| D53 | 0.235 | 0.819 | 0.193 | 7 | 165.5 | 88.5 | | 88.5 | | 106.9 |
| | 0.190 | 0.800 | 0.152 | | | | | | | |
| | 0.045 | 0.900 | 0.041 | | | | | | | |
| D12 | 0.155 | 0.832 | 0.129 | 7 | 165.5 | 59.3 | | 59.3 | | 80.7 |
| | 0.105 | 0.800 | 0.084 | | | | | | | |
| | 0.050 | 0.900 | 0.045 | | | | | | | |
| D88 | 0.024 | 0.900 | 0.022 | 6 | 174.0 | 10.4 | | 10.4 | | 30.9 |
| D102 | 0.078 | 0.900 | 0.070 | 6 | 174.0 | 33.9 | | 33.9 | | 33.9 |
| D54 | 0.141 | 0.828 | 0.117 | 7 | 165.5 | 53.6 | | 53.6 | | 80.4 |
| | 0.102 | 0.800 | 0.082 | | | | | | | |
| | 0.039 | 0.900 | 0.035 | | | | | | | |
| D13 | 0.223 | 0.833 | 0.186 | 7 | 165.5 | 85.4 | | 85.4 | | 88.7 |
| | 0.149 | 0.800 | 0.119 | | | | | | | |
| | 0.074 | 0.900 | 0.067 | | | | | | | |
| D101 | 0.054 | 0.900 | 0.049 | 6 | 174.0 | 23.5 | | 23.5 | | 23.5 |
| D99 | 0.195 | 0.800 | 0.156 | 7 | 165.5 | 71.7 | | 71.7 | | 85.6 |
| D89 | 0.039 | 0.800 | 0.031 | 7 | 165.5 | 14.3 | | 14.3 | | 30.2 |
| D55 | 0.032 | 0.900 | 0.029 | 6 | 174.0 | 13.9 | | 13.9 | | 103.4 |
| D14 | 0.101 | 0.800 | 0.081 | 7 | 165.5 | 37.1 | | 37.1 | | 37.9 |
| D97 | 0.032 | 0.900 | 0.029 | 6 | 174.0 | 13.9 | | 13.9 | | 16.5 |
| D100 | 0.203 | 0.800 | 0.162 | 7 | 165.5 | 74.7 | | 74.7 | | 74.7 |
| D90 | 0.178 | 0.800 | 0.142 | 7 | 165.5 | 65.5 | | 65.5 | | 79.3 |
| D56 | 0.580 | 0.806 | 0.467 | 7 | 165.5 | 214.8 | | 214.8 | | 217.5 |
| | 0.548 | 0.800 | 0.438 | | | | | | | |
| | 0.032 | 0.900 | 0.029 | | | | | | | |
| D15 | 0.025 | 0.900 | 0.023 | 6 | 174.0 | 10.9 | | 10.9 | | 12.5 |
| D98 | 0.097 | 0.900 | 0.087 | 6 | 174.0 | 42.2 | | 42.2 | | 42.2 |
| D91 | 0.185 | 0.800 | 0.148 | 7 | 165.5 | 68.0 | | 68.0 | | 74.6 |
| D78 | 0.059 | 0.900 | 0.053 | 6 | 174.0 | 25.7 | | 25.7 | | 28.3 |
| D57 | 0.030 | 0.900 | 0.027 | 6 | 174.0 | 13.1 | | 13.1 | | 16.8 |
| D16 | | | | | 186.0 | | | | | |
| D83 | 0.057 | 0.900 | 0.051 | 6 | 174.0 | 24.8 | | 24.8 | | 26.3 |
| D92 | 0.155 | 0.800 | 0.124 | 7 | 165.5 | 57.0 | | 57.0 | | 58.1 |
| D96 | 0.064 | 0.900 | 0.058 | 6 | 174.0 | 27.8 | | 27.8 | | 27.8 |
| D79 | 0.036 | 0.900 | 0.032 | 6 | 174.0 | 15.7 | | 15.7 | | 16.7 |
| D58 | 0.065 | 0.900 | 0.059 | 6 | 174.0 | 28.3 | | 28.3 | | 29.9 |
| D95 | 0.087 | 0.769 | 0.067 | 6 | 174.0 | 32.3 | | 32.3 | | 32.3 |
| | 0.030 | 0.900 | 0.027 | | | | | | | |
| | 0.057 | 0.700 | 0.040 | | | | | | | |
| D17 | | | | | 186.0 | | | | | |
| D94 | 0.048 | 1.000 | 0.048 | 6 | 174.0 | 23.2 | | 23.2 | | 23.2 |
| D84 | | | | | 186.0 | | | | | 2.2 |
| D93 | 0.048 | 0.800 | 0.038 | 7 | 165.5 | 17.7 | | 17.7 | | 17.7 |
| D80 | | | | | 186.0 | | | | | 1.0 |

Catchment Hydrology – Return Period: 100yrs Location: Sunshine Nth

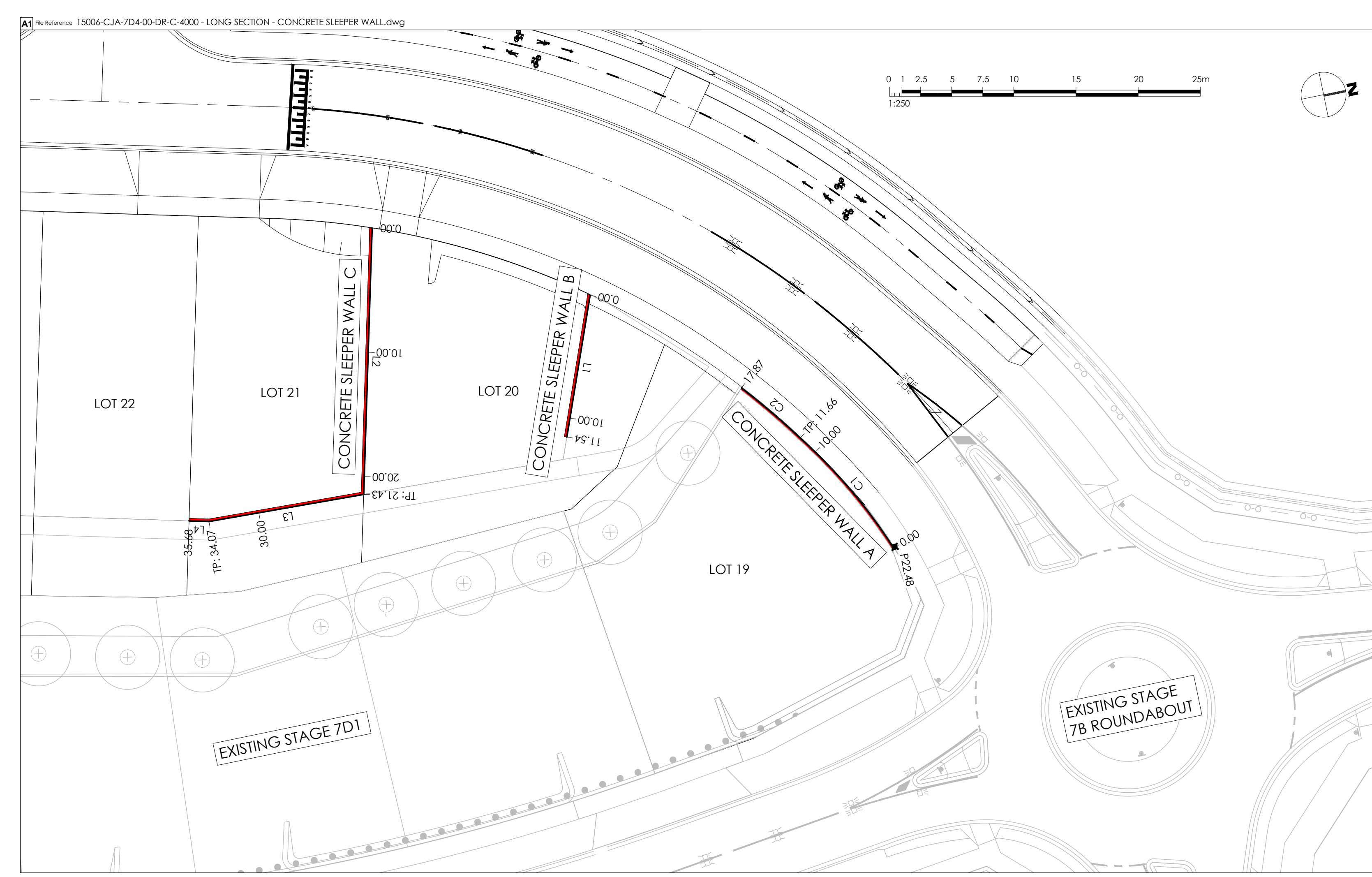
| Pit No. | Single Catchment Area (Ha) | Pit C Factor | Pit Effective Area (Ha) | Adopted Pit Tc (min) | Rainfall Intensity (mm/hr) | Total Catchment Flow (l/s) | Catchment Flow Direct to Pipe (l/s) | Catchment Flow to Pit Inlet (l/s) | Specified Inflow to Pit (l/s) | Total Flow to Pit (l/s) |
|---------|----------------------------|--------------|-------------------------|----------------------|----------------------------|----------------------------|-------------------------------------|-----------------------------------|-------------------------------|-------------------------|
| D87 | 0.036 | 0.900 | 0.032 | 6 | 174.0 | 15.7 | | 15.7 | | 15.7 |
| D59 | 0.418 | 0.800 | 0.334 | 7 | 165.5 | 153.7 | | 153.7 | | 192.3 |
| D86 | 0.063 | 0.900 | 0.057 | 6 | 174.0 | 27.4 | | 27.4 | | 27.4 |
| D18 | 0.099 | 0.820 | 0.081 | 6 | 174.0 | 39.2 | | 39.2 | | 39.2 |
| | 0.020 | 0.900 | 0.018 | | | | | | | |
| | 0.079 | 0.800 | 0.063 | | | | | | | |
| D85 | 0.076 | 1.000 | 0.076 | 6 | 174.0 | 36.7 | | 36.7 | | 36.7 |
| D81 | 0.037 | 0.900 | 0.033 | 6 | 174.0 | 16.1 | | 16.1 | | 17.1 |
| D33A | | | | | 186.0 | | | | | |
| D19 | 0.076 | 0.900 | 0.068 | 6 | 174.0 | 33.1 | | 33.1 | | 33.1 |
| D82 | 0.035 | 1.000 | 0.035 | 6 | 174.0 | 16.9 | | 16.9 | | 16.9 |
| D60 | 0.318 | 0.569 | 0.181 | 7 | 165.5 | 83.2 | | 83.2 | | 127.1 |
| | 0.061 | 0.800 | 0.049 | | | | | | | |
| | 0.133 | 0.900 | 0.120 | | | | | | | |
| | 0.124 | 0.100 | 0.012 | | | | | | | |
| D33B | | | | | 186.0 | | | | | |
| D20 | | | | | 186.0 | | | | | |
| D61 | 0.261 | 0.819 | 0.214 | 7 | 165.5 | 98.2 | | 98.2 | | 134.9 |
| | 0.212 | 0.800 | 0.170 | | | | | | | |
| | 0.049 | 0.900 | 0.044 | | | | | | | |
| D77 | 0.058 | 0.900 | 0.052 | 6 | 174.0 | 25.2 | | 25.2 | | 25.2 |
| D33C | | | | | 186.0 | | | | | |
| D21 | 0.083 | 0.784 | 0.065 | 6 | 174.0 | 31.5 | | 31.5 | | 31.5 |
| | 0.035 | 0.900 | 0.032 | | | | | | | |
| | 0.048 | 0.700 | 0.034 | | | | | | | |
| D35A | | | | | 186.0 | | | | | |
| D76 | 0.049 | 0.900 | 0.044 | 6 | 174.0 | 21.3 | | 21.3 | | 21.3 |
| D22 | 0.037 | 0.900 | 0.033 | 14 | 122.9 | 11.4 | | 11.4 | | 11.4 |
| | | | | | 0.900 | 0.000 | | | | |
| | | | | | 0.800 | 0.000 | | | | |
| | | | | | 0.350 | 0.000 | | | | |
| | 0.037 | 0.900 | 0.033 | | | | | | | |
| D62 | 0.480 | 0.542 | 0.260 | 7 | 165.5 | 119.5 | | 119.5 | | 120.8 |
| | 0.248 | 0.800 | 0.198 | | | | | | | |
| | 0.048 | 0.900 | 0.043 | | | | | | | |
| | 0.184 | 0.100 | 0.018 | | | | | | | |
| D35B | | | | | 186.0 | | | | | |
| D22B | | | | | 186.0 | | | | | |
| D63 | | | | | 186.0 | | | | | 0.3 |
| D75 | 0.048 | 0.900 | 0.043 | 6 | 174.0 | 20.9 | | 20.9 | | 20.9 |
| D35C | | | | | 186.0 | | | | | |
| D22A | | | | | 186.0 | | | | | |
| D64 | | | | | 186.0 | | | | | 5.5 |
| D23 | 0.026 | 0.900 | 0.023 | 5 | 186.0 | 12.1 | | 12.1 | | 12.1 |
| D65 | 0.143 | 0.826 | 0.118 | 7 | 165.5 | 54.3 | | 54.3 | | 55.7 |
| | 0.106 | 0.800 | 0.085 | | | | | | | |
| | 0.037 | 0.900 | 0.033 | | | | | | | |
| 23A | | | | | 186.0 | | | | | |
| D74 | 0.052 | 0.785 | 0.041 | 6 | 174.0 | 19.7 | | 19.7 | | 19.7 |
| | 0.022 | 0.900 | 0.020 | | | | | | | |
| | 0.030 | 0.700 | 0.021 | | | | | | | |
| D66 | | | | | 186.0 | | | | | 7.0 |
| D73 | 0.038 | 0.900 | 0.034 | 6 | 174.0 | 16.5 | | 16.5 | | 16.5 |
| D24 | 0.018 | 0.900 | 0.016 | 5 | 186.0 | 8.4 | | 8.4 | | 8.4 |
| D67 | 0.155 | 0.820 | 0.127 | 7 | 165.5 | 58.4 | | 58.4 | | 59.1 |
| | 0.124 | 0.800 | 0.099 | | | | | | | |
| | 0.031 | 0.900 | 0.028 | | | | | | | |
| D25 | 0.109 | 0.856 | 0.093 | 6 | 174.0 | 45.1 | | 45.1 | | 45.1 |
| | 0.048 | 0.800 | 0.038 | | | | | | | |
| | 0.061 | 0.900 | 0.055 | | | | | | | |
| D37 | 1.240 | 0.350 | 0.434 | 8 | 157.0 | 189.3 | | 189.3 | | 189.3 |
| D72 | 0.071 | 0.807 | 0.057 | 6 | 174.0 | 27.7 | | 27.7 | | 27.7 |
| | 0.038 | 0.900 | 0.034 | | | | | | | |
| | 0.033 | 0.700 | 0.023 | | | | | | | |
| D68 | 0.137 | 0.836 | 0.115 | 7 | 165.5 | 52.7 | | 52.7 | | 53.6 |
| | 0.087 | 0.800 | 0.070 | | | | | | | |
| | 0.050 | 0.900 | 0.045 | | | | | | | |
| D71 | 0.025 | 0.900 | 0.023 | 6 | 174.0 | 10.9 | | 10.9 | | 10.9 |
| D26 | 0.196 | 0.833 | 0.163 | 6 | 174.0 | 78.9 | | 78.9 | | 78.9 |
| | 0.131 | 0.800 | 0.105 | | | | | | | |
| | 0.065 | 0.900 | 0.059 | | | | | | | |

Catchment Hydrology – Return Period: 100yrs Location: Sunshine Nth

| Pit No. | Single Catchment Area (Ha) | Pit C Factor | Pit Effective Area (Ha) | Adopted Pit Tc (min) | Rainfall Intensity (mm/hr) | Total Catchment Flow (l/s) | Catchment Flow Direct to Pipe (l/s) | Catchment Flow to Pit Inlet (l/s) | Specified Inflow to Pit (l/s) | Total Flow to Pit (l/s) |
|---------|----------------------------|--------------|-------------------------|----------------------|----------------------------|----------------------------|-------------------------------------|-----------------------------------|-------------------------------|-------------------------|
| D38 | 0.015 | 0.900 | 0.014 | 5 | 186.0 | 7.0 | | 7.0 | | 7.0 |
| D104 | 0.112 | 0.782 | 0.088 | 6 | 174.0 | 42.3 | | 42.3 | | 42.3 |
| | 0.046 | 0.900 | 0.041 | | | | | | | |
| | 0.066 | 0.700 | 0.046 | | | | | | | |
| D69 | 0.047 | 0.700 | 0.033 | 6 | 174.0 | 15.9 | | 15.9 | | 15.9 |
| D27 | 0.292 | 0.820 | 0.239 | 6 | 174.0 | 115.7 | | 115.7 | | 115.7 |
| | 0.235 | 0.800 | 0.188 | | | | | | | |
| | 0.057 | 0.900 | 0.051 | | | | | | | |
| EOS | | | | | 186.0 | | | | | |

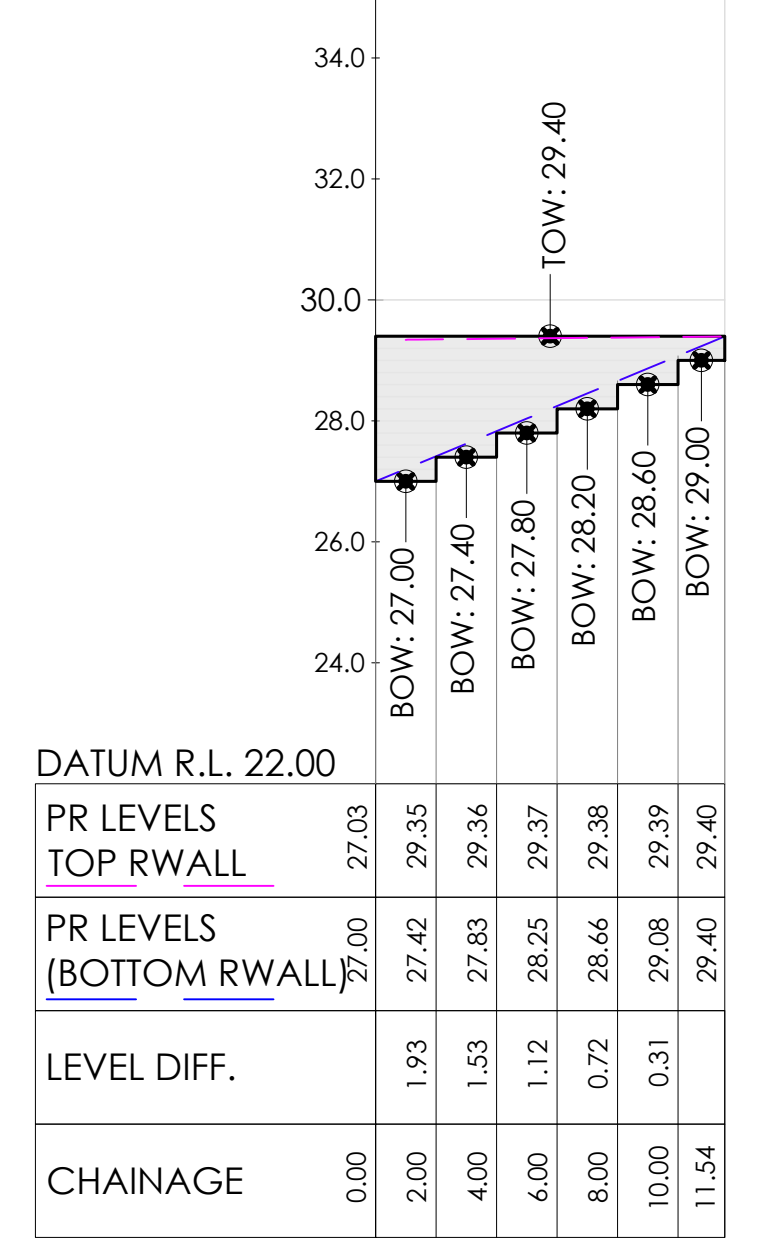
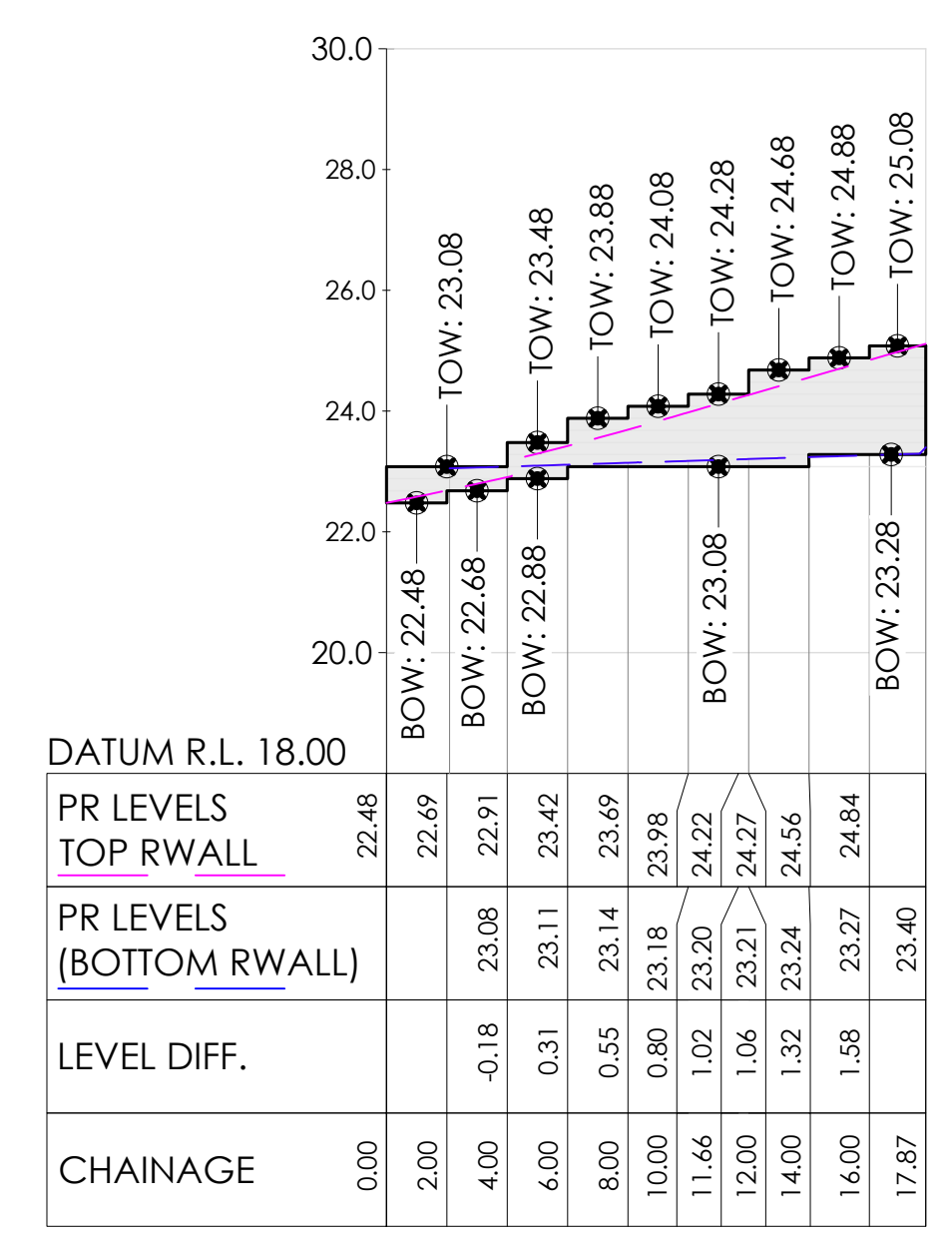
HGL Report - Return Period: 100yrs Location: Sunshine Nth

| Pipe Connecting Pits (Downstream Upstream) | Pipe Diameter | Pipe Length | Pipe Design Flow | Mannings n | Pipe Velocity | Pipe Velocity Head | HGL at Downstream Pit | Pipe Friction Slope | Pipe Friction Loss | HGL at Upstream Pit | Pit Loss Coefficient | Pipe Head Loss | Adopted Upstream Water Level | Pit Surcharge Level (Pit Inlet/Outlet Level) | Downstream Pipe Obvert | Upstream Pipe Obvert | Downstream Pipe Invert | Upstream Pipe Invert | Pipe Slope | Pipe Design Flow | Pipe HGL Capacity |
|--|---------------|-------------|------------------|------------|---------------|--------------------|-----------------------|---------------------|--------------------|---------------------|----------------------|----------------|------------------------------|--|------------------------|----------------------|------------------------|----------------------|------------|------------------|-------------------|
| | (mm) | (m) | (l/s) | | (m/s) | (m) | (m) | (%) | (m) | (m) | Ku | (m) | (m) | (m) | (m) | (m) | (m) | (m) | (%) | (l/s) | (l/s) |
| D1 D2 | 1350 | 2.800 | 3580.1 | 0.013 | 2.43 | 0.301 | 5.070 | 0.00 | 0.007 | 5.077 | 0.500 | 0.150 | 5.227 | 5.361 | 5.070 | 5.084 | 3.700 | 3.714 | 0.500 | 3580.1 | 5042.9 |
| D2 D3 | 1350 | 51.013 | 3611.6 | 0.013 | 2.45 | 0.306 | 5.227 | 0.00 | 0.133 | 5.361 | 2.000 | 0.613 | 5.973 | 7.086 | 5.163 | 5.470 | 3.793 | 4.100 | 0.602 | 3611.6 | 5544.5 |
| D3 D3A | 1200 | 16.223 | 3617.4 | 0.013 | 3.09 | 0.489 | 5.973 | 0.00 | 0.076 | 6.378 | 0.000 | 0.000 | 6.378 | 10.772 | 6.320 | 6.726 | 5.100 | 5.506 | 2.500 | 3617.4 | 8465.0 |
| D3A D3B | 1200 | 20.842 | 3624.8 | 0.013 | 3.10 | 0.491 | 6.378 | 0.00 | 0.099 | 6.898 | 0.000 | 0.000 | 6.898 | 11.613 | 6.730 | 7.250 | 5.510 | 6.030 | 2.495 | 3624.8 | 8465.5 |
| D3B D4 | 1200 | 8.111 | 3627.7 | 0.013 | 3.10 | 0.491 | 6.898 | 0.00 | 0.038 | 7.101 | 2.000 | 0.983 | 8.083 | 11.682 | 7.250 | 7.453 | 6.030 | 6.233 | 2.500 | 3627.7 | 8465.0 |
| D4 D5 | 1200 | 3.861 | 3629.1 | 0.013 | 3.10 | 0.492 | 8.083 | 0.00 | 0.018 | 8.179 | 2.000 | 0.983 | 9.162 | 11.663 | 8.603 | 8.920 | 7.383 | 7.480 | 2.500 | 3629.1 | 8465.0 |
| D5 D6 | 1200 | 4.860 | 3630.7 | 0.013 | 3.11 | 0.492 | 9.162 | 0.00 | 0.023 | 9.283 | 0.500 | 0.246 | 9.529 | 11.639 | 9.629 | 9.750 | 8.409 | 8.530 | 2.500 | 3630.7 | 8465.0 |
| D6 D7 | 1200 | 8.971 | 3632.2 | 0.013 | 3.11 | 0.493 | 9.529 | 0.00 | 0.043 | 9.624 | 1.100 | 0.542 | 10.165 | 11.590 | 9.770 | 9.865 | 8.550 | 8.645 | 1.059 | 3632.2 | 5470.9 |
| D7 D8 | 900 | 11.332 | 2512.3 | 0.013 | 3.86 | 0.761 | 10.165 | 0.01 | 0.117 | 10.282 | 0.727 | 0.553 | 10.835 | 11.632 | 9.863 | 9.920 | 8.953 | 9.150 | 0.500 | 2512.3 | 1734.4 |
| D7 D50 | 900 | 10.300 | 1220.5 | 0.013 | 1.88 | 0.180 | 10.165 | 0.00 | 0.026 | 10.191 | 2.200 | 0.395 | 10.586 | 11.514 | 9.848 | 10.040 | 8.938 | 9.130 | 1.860 | 1220.5 | 3397.2 |
| D8 D9 | 900 | 14.054 | 2516.3 | 0.013 | 3.87 | 0.764 | 10.835 | 0.01 | 0.145 | 10.980 | 0.783 | 0.598 | 11.579 | 11.621 | 9.990 | 10.060 | 9.080 | 9.150 | 0.500 | 2516.3 | 1734.4 |
| D50 D51 | 675 | 57.814 | 1175.0 | 0.013 | 3.19 | 0.519 | 10.586 | 0.01 | 0.574 | 11.160 | 5.000 | 0.259 | 11.419 | 11.804 | 10.036 | 10.365 | 9.351 | 9.600 | 1.175.0 | 1175.0 | 825.3 |
| D9 D10 | 900 | 33.899 | 2513.7 | 0.013 | 3.86 | 0.762 | 11.579 | 0.01 | 0.349 | 11.928 | 0.500 | 0.381 | 12.309 | 11.790 | 10.141 | 10.310 | 9.231 | 9.400 | 0.500 | 2513.7 | 1734.4 |
| D51 D104 | 300 | 9.600 | 28.2 | 0.013 | 0.40 | 0.008 | 11.419 | 0.00 | 0.005 | 11.424 | 5.000 | 0.041 | 11.465 | 11.862 | 10.320 | 10.497 | 10.020 | 10.197 | 1.844 | 28.2 | 186.0 |
| D51 D52 | 675 | 50.029 | 1099.0 | 0.013 | 2.98 | 0.454 | 11.419 | 0.01 | 0.436 | 11.855 | 0.000 | 0.000 | 11.855 | 12.063 | 10.405 | 10.655 | 9.720 | 9.900 | 0.500 | 1099.0 | 825.0 |
| D10 D11 | 900 | 31.868 | 2462.6 | 0.013 | 3.79 | 0.731 | 11.790 | 0.01 | 0.315 | 12.106 | 0.500 | 0.366 | 12.471 | 11.951 | 10.381 | 10.540 | 9.471 | 9.630 | 0.500 | 2462.6 | 1734.4 |
| D10 D103 | 300 | 9.600 | 30.3 | 0.013 | 0.43 | 0.009 | 11.790 | 0.00 | 0.006 | 11.796 | 5.000 | 0.047 | 11.843 | 11.849 | 10.300 | 10.480 | 10.000 | 10.180 | 1.875 | 30.3 | 187.6 |
| D52 D53 | 675 | 18.426 | 1086.6 | 0.013 | 2.95 | 0.444 | 11.855 | 0.01 | 0.157 | 12.012 | 0.500 | 0.222 | 12.234 | 12.139 | 10.655 | 10.747 | 9.970 | 10.062 | 0.499 | 1086.6 | 824.7 |
| D11 D12 | 825 | 34.890 | 2177.4 | 0.013 | 3.95 | 0.795 | 11.951 | 0.01 | 0.413 | 12.365 | 0.500 | 0.398 | 12.762 | 12.148 | 10.538 | 10.778 | 9.700 | 9.940 | 0.688 | 2177.4 | 1647.8 |
| D11 D88 | 375 | 33.845 | 326.8 | 0.013 | 2.96 | 0.447 | 11.951 | 0.02 | 0.598 | 13.561 | 2.265 | 1.012 | 14.571 | 16.929 | 10.529 | 13.725 | 10.154 | 13.350 | 9.443 | 326.8 | 768.3 |
| D53 D102 | 300 | 9.600 | 31.9 | 0.013 | 0.45 | 0.010 | 12.139 | 0.00 | 0.006 | 12.146 | 5.000 | 0.052 | 12.198 | 12.198 | 10.734 | 10.830 | 10.434 | 10.530 | 1.000 | 31.9 | 135.5 |
| D53 D54 | 600 | 40.364 | 1002.5 | 0.013 | 3.43 | 0.600 | 12.139 | 0.01 | 0.531 | 12.670 | 0.600 | 0.360 | 13.030 | 12.784 | 10.743 | 11.470 | 10.133 | 10.860 | 1.800 | 1002.5 | 1177.2 |
| D12 D13 | 750 | 49.496 | 2124.6 | 0.013 | 4.68 | 1.119 | 12.148 | 0.02 | 0.920 | 13.069 | 0.500 | 0.560 | 13.628 | 13.146 | 10.770 | 11.750 | 10.010 | 10.990 | 1.980 | 2124.6 | 2193.2 |
| D12 D101 | 300 | 9.600 | 22.1 | 0.013 | 0.31 | 0.005 | 12.148 | 0.00 | 0.003 | 12.151 | 5.000 | 0.025 | 12.176 | 12.207 | 10.760 | 10.856 | 10.460 | 10.556 | 1.000 | 22.1 | 135.5 |
| D88 D99 | 300 | 60.532 | 125.8 | 0.013 | 1.78 | 0.162 | 14.571 | 0.01 | 0.524 | 15.687 | 1.399 | 0.226 | 15.913 | 17.710 | 14.550 | 15.760 | 14.250 | 15.460 | 1.999 | 125.8 | 193.9 |
| D88 D89 | 375 | 11.300 | 192.6 | 0.013 | 1.74 | 0.155 | 14.571 | 0.01 | 0.072 | 14.643 | 1.500 | 0.233 | 14.876 | 16.756 | 13.798 | 13.855 | 13.423 | 13.480 | 0.500 | 192.6 | 169.9 |
| D54 D55 | 600 | 16.027 | 952.1 | 0.013 | 3.26 | 0.542 | 12.784 | 0.01 | 0.191 | 12.975 | 0.600 | 0.325 | 13.300 | 13.764 | 11.549 | 11.870 | 10.939 | 11.260 | 2.000 | 952.1 | 1242.3 |
| D13 D14 | 750 | 46.336 | 2041.7 | 0.013 | 4.50 | 1.033 | 13.146 | 0.02 | 0.797 | 13.943 | 0.500 | 0.517 | 14.459 | 14.256 | 11.820 | 12.790 | 11.060 | 12.030 | 2.093 | 2041.7 | 2256.4 |
| D13 D97 | 300 | 9.600 | 54.4 | 0.013 | 0.77 | 0.030 | 13.146 | 0.00 | 0.017 | 13.163 | 2.200 | 0.067 | 13.229 | 13.204 | 11.740 | 11.836 | 11.440 | 11.536 | 1.000 | 54.4 | 135.5 |
| D99 D100 | 225 | 45.145 | 60.8 | 0.013 | 1.48 | 0.111 | 15.913 | 0.01 | 0.380 | 16.827 | 5.000 | 0.556 | 17.383 | 18.850 | 15.769 | 16.899 | 15.540 | 16.670 | 2.503 | 60.8 | 107.1 |
| D89 D90 | 375 | 62.520 | 177.0 | 0.013 | 1.60 | 0.131 | 14.876 | 0.01 | 0.338 | 15.214 | 1.300 | 0.170 | 15.385 | 16.318 | 13.932 | 14.245 | 13.557 | 13.870 | 0.500 | 177.0 | 169.9 |
| D55 D56 | 600 | 8.714 | 889.9 | 0.013 | 3.05 | 0.473 | 13.300 | 0.01 | 0.091 | 13.391 | 2.318 | 1.096 | 14.486 | 13.915 | 11.946 | 12.120 | 11.336 | 11.510 | 2.000 | 889.9 | 1242.3 |
| D14 D15 | 750 | 13.707 | 2018.2 | 0.013 | 4.45 | 1.010 | 14.256 | 0.02 | 0.230 | 14.487 | 1.000 | 1.010 | 15.496 | 14.784 | 12.868 | 13.340 | 12.108 | 12.580 | 3.444 | 2018.2 | 2906.1 |
| D97 D98 | 300 | 29.666 | 39.7 | 0.013 | 0.56 | 0.016 | 13.204 | 0.00 | 0.029 | 13.233 | 5.000 | 0.080 | 13.314 | 13.946 | 11.910 | 12.740 | 11.610 | 12.440 | 2.798 | 39.7 | 230.5 |
| D90 D91 | 300 | 68.000 | 122.7 | 0.013 | 1.74 | 0.154 | 15.385 | 0.01 | 0.561 | 15.946 | 1.604 | 0.246 | 16.192 | 15.968 | 14.250 | 14.590 | 13.950 | 14.290 | 0.500 | 122.7 | 94.4 |
| D56 D78 | 375 | 17.383 | 111.5 | 0.013 | 1.01 | 0.052 | 13.915 | 0.00 | 0.039 | 13.954 | 1.600 | 0.083 | 14.037 | 13.855 | 12.103 | 12.465 | 11.728 | 12.090 | 2.082 | 111.5 | 355.4 |
| D56 D57 | 600 | 46.420 | 687.6 | 0.013 | 2.35 | 0.282 | 13.915 | 0.01 | 0.293 | 15.149 | 0.600 | 0.169 | 15.318 | 16.938 | 12.194 | 15.490 | 11.584 | 14.880 | 7.100 | 687.6 | 2365.3 |
| D15 D16 | 750 | 5.580 | 1953.1 | 0.013 | 4.31 | 0.946 | 14.784 | 0.02 | 0.088 | 14.872 | 0.500 | 0.473 | 15.345 | 15.004 | 13.415 | 13.570 | 12.655 | 12.810 | 2.778 | 1953.1 | 2605.6 |
| D15 D83 | 300 | 11.358 | 81.9 | 0.013 | 1.16 | 0.069 | 14.784 | 0.00 | 0.043 | 14.827 | 1.492 | 1.02 | 14.930 | 14.934 | 13.330 | 13.600 | 13.000 | 13.200 | 2.377 | 81.9 | 212.0 |
| D91 D92 | 300 | 51.573 | 67.1 | 0.013 | 0.95 | 0.046 | 15.968 | 0.00 | 0.135 | 16.103 | 1.992 | 0.091 | 16.194 | 15.658 | 14.662 | 14.920 | 14.362 | 14.620 | 0.500 | 67.1 | 94.4 |
| D78 D96 | 300 | 9.600 | 26.2 | 0.013 | 0.37 | 0.007 | 13.855 | 0.00 | 0.004 | 13.860 | 5.000 | 0.035 | 13.895 | 13.933 | 12.464 | 12.560 | 12.164 | 12.260 | 1.000 | 26.2 | 135.5 |
| D78 D79 | 300 | 54.268 | 62.0 | 0.013 | 0.88 | 0.039 | 13.855 | 0.00 | 0.122 | 14.329 | 1.148 | 0.045 | 14.374 | 15.970 | 12.470 | 14.510 | 14.210 | 14.210 | 3.760 | 62.0 | 268.2 |
| D57 D58 | 600 | 43.006 | 654.8 | 0.013 | 2.24 | 0.256 | 15.339 | 0.01 | 0.247 | 16.315 | 0.600 | 0.154 | 16.468 | 17.994 | 15.581 | 16.557 | 14.971 | 15.947 | 2.270 | 654.8 | 1325.2 |
| D57 D95 | 300 | 8.500 | 30.4 | 0.013 | 0.43 | 0.009 | 15.318 | 0.00 | 0.005 | 15.403 | 5.000 | 0.047 | 15.451 | 16.964 | 15.485 | 15.570 | 15.185 | 15.270 | 1.000 | 30.4 | 135.5 |
| D16 D17 | 750 | 14.593 | 1955.3 | 0.013 | 4.31 | 0.948 | 15.004 | 0.02 | 0.231 | 15.234 | 0.800 | 0.758 | 15.992 | 15.526 | 13.650 | 14.500 | 12.890 | 13.740 | 5.825 | 1955.3 | 3793.1 |
| D83 D94 | 300 | 19.793 | 21.8 | 0.013 | 0.31 | 0.005 | 14.930 | 0.00 | 0.006 | 14.936 | 5.000 | 0.024 | 14.960 | 15.223 | 13.670 | 14.070 | 13.370 | 13.770 | 2.021 | 21.8 | 195.0 |
| D83 D84 | 300 | 19.757 | 36.4 | 0.013 | 0.52 | 0.014 | 14.930 | 0.00 | 0.016 | 14.946 | 1.142 | 0.015 | 14.961 | 15.462 | 13.670 | 14.030 | 13.370 | 13.730 | 1.822 | 36.4 | 184.9 |
| D92 D93 | 225 | 20.003 | 16.6 | 0.013 | 0.40 | 0.008 | 15.658 | 0.00 | 0.015 | 15.673 | 5.000 | 0.041 | 15.714 | 15.625 | 14.919 | 15.019 | 14.690 | 14.790 | 0.500 | 16.6 | 46.3 |
| D79 D80 | 300 | 29.867 | 32.6 | 0.013 | 0.46 | 0.011 | 14.374 | 0.00 | 0.020 | 15.718 | 0.000 | 0.000 | 15.718 | 17.381 | 14.580 | 15.924 | 14.280 | 15.624 | 4.500 | 32.6 | 294.0 |
| D79 D87 | 300 | 9.600 | 14.7 | 0.013 | 0.21 | 0.002 | 14.374 | 0.00 | 0.002 | 14.470 | 5.000 | 0.011 | 14.481 | 16.040 | 14.584 | 14.680 | 14.284 | 14.380 | 1.000 | 14.7 | 135.5 |
| D58 D59 | 600 | 27.433 | 617.7 | 0.013 | 2.11 | 0.228 | 16.636 | 0.01 | 0.141 | 16.636 | 0.500 | 0.114 | 16.934 | 18.264 | 16.636 | 16.820 | 16.026 | 16.210 | 0.670 | 617.7 | 708.7 |
| D58 D86 | 300 | 8.502 | 25.8 | 0.013 | 0.36 | 0.007 | 16.468 | 0.00 | 0.004 | 16.553 | 5.000 | 0.034 | | | | | | | | | |



| Set Out Table for CONCRETE SLEEPER WALL A - BOW | | | | | | | |
|---|----|----------|------------|-------------|--------|--------|-----------------|
| TAG | | CHAINAGE | EASTING | NORTHING | LENGTH | RADIUS | BEARING |
| C1 | TP | 0.00 | 310333.804 | 5819138.826 | 11.66 | 43.8 | 241° 15' 04.10" |
| | IP | 5.87 | 310328.331 | 5819136.711 | | | |
| | TP | 11.66 | 310323.608 | 5819133.233 | | | |
| C2 | TP | 11.66 | 310323.608 | 5819133.233 | 6.21 | 65.1 | 232° 04' 40.45" |
| | IP | 14.77 | 310321.070 | 5819131.443 | | | |
| | TP | 17.87 | 310318.714 | 5819129.420 | | | |

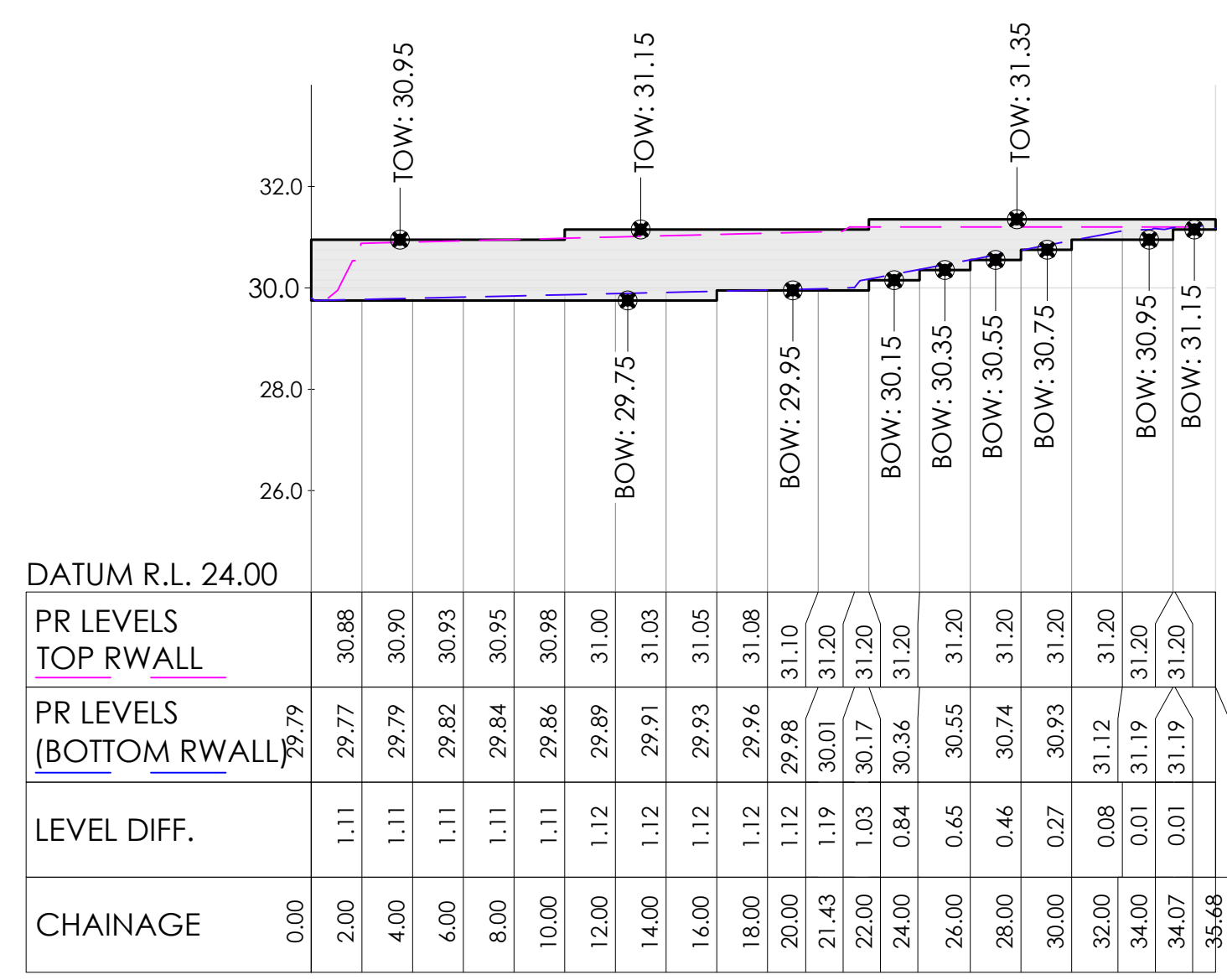
| Set Out Table for CONCRETE SLEEPER WALL B - BOW | | | | | | | |
|---|-------|----------|------------|-------------|--------|--------|----------------|
| TAG | | CHAINAGE | EASTING | NORTHING | LENGTH | RADIUS | BEARING |
| L1 | START | 0.00 | 310308.968 | 5819118.983 | 11.54 | | 110° 55' 54.7" |
| | END | 11.54 | 310319.750 | 5819114.859 | | | |



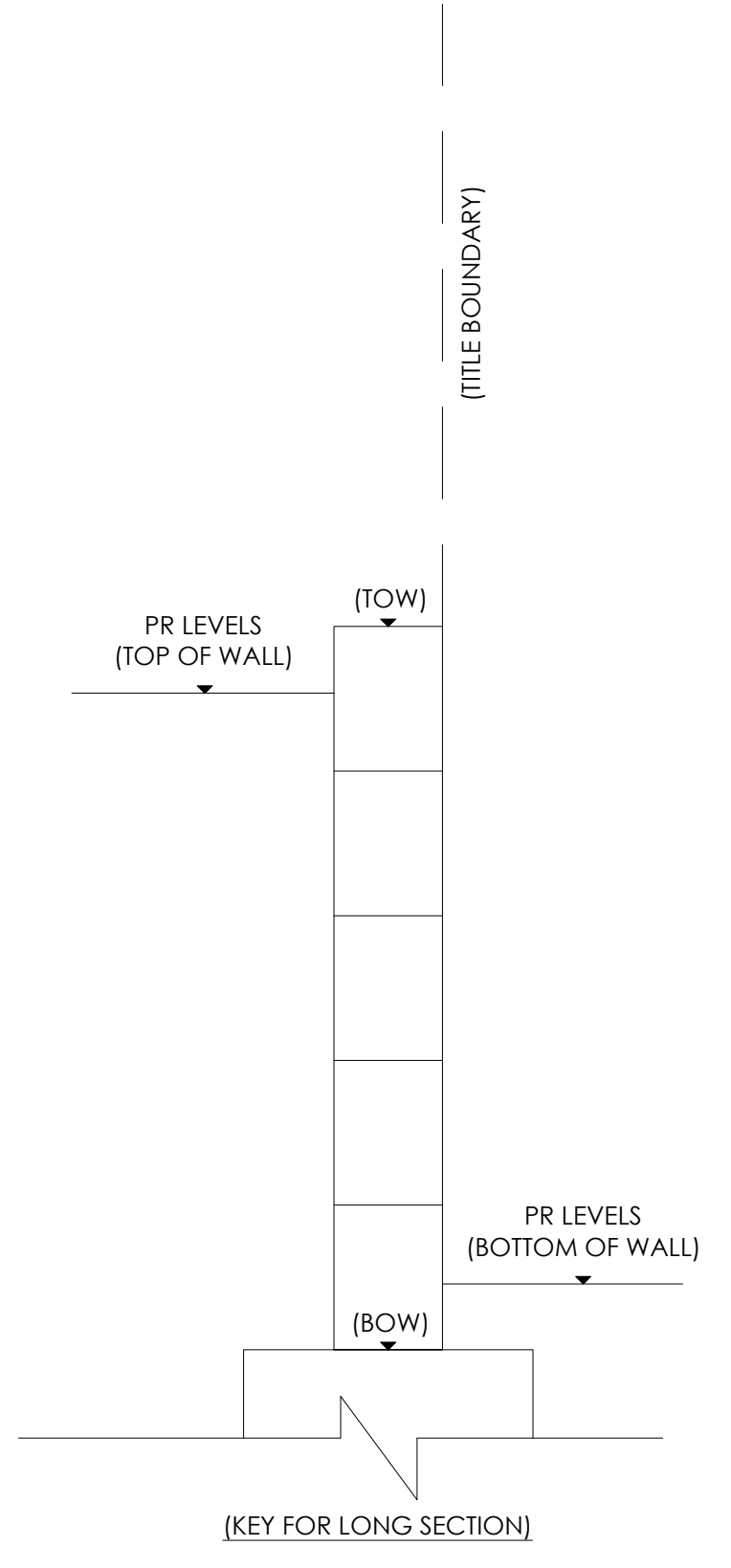
CONCRETE SLEEPER WALL A - BOW - LONG SECTION
 SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)

CONCRETE SLEEPER WALL B - BOW - LONG SECTION
 SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)

| Set Out Table for CONCRETE SLEEPER WALL C - BOW | | | | | | | |
|---|-------|----------|------------|-------------|--------|--------|--------------|
| TAG | | CHAINAGE | EASTING | NORTHING | LENGTH | RADIUS | BEARING |
| L2 | START | 0.00 | 310300.130 | 5819102.901 | 21.43 | | 103° 25' 50" |
| | END | 21.43 | 310320.978 | 5819097.923 | | | |
| L3 | START | 21.43 | 310320.978 | 5819097.923 | 12.64 | | 181° 41' 18" |
| | END | 34.07 | 310320.605 | 5819085.291 | | | |
| L4 | START | 34.07 | 310320.605 | 5819085.291 | 1.60 | | 193° 22' 27" |
| | END | 35.68 | 310320.234 | 5819083.731 | | | |



CONCRETE SLEEPER WALL C - BOW - LONG SECTION
 SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | EP | VE |

Note for Contractors
 The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

Be aware of underground services. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

RETAINING WALL SECTIONS ARE PROVIDED BY CJ ARMS TO REPRESENT THE PROPOSED GROUND LEVEL AT THE TOP AND BOTTOM OF RETAINING WALLS.

THE CONTRACTOR IS TO DETERMINE OPTIMAL CONCRETE SLEEPER HEIGHT/POST SPACING AND ASSOCIATED FOUNDATIONS TO ACHIEVE THE PROPOSED GROUND LEVELS SHOWN BY CJA.

REFER TO DRAWING C-8021 FOR RETAINING WALL DETAILS.

FOR CONSTRUCTION



CIVIL SITWORKS
 MELBOURNE SYDNEY
 T: +61 3 9285 2800 | F: +61 2 8034 8370 | E: info@cjarms.com | W: www.cjarms.com

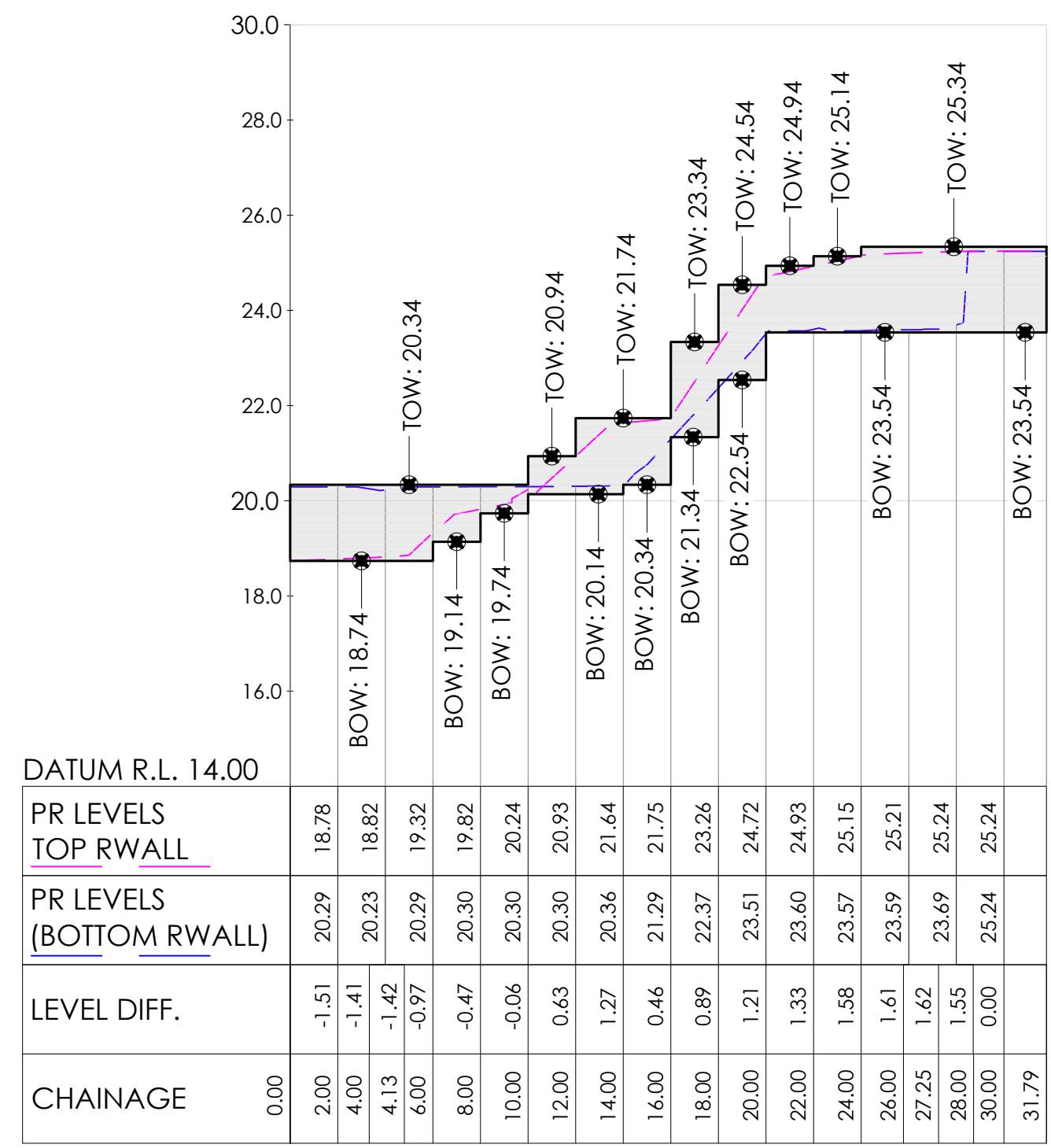
Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: LONG SECTION - CONCRETE SLEEPER WALL (SHEET 1 OF 3)

Drawn By: EP
 Checked By: VE
 Drawn Scale: AS NOTED @ A1
 Date of First Issue: 18.09.23

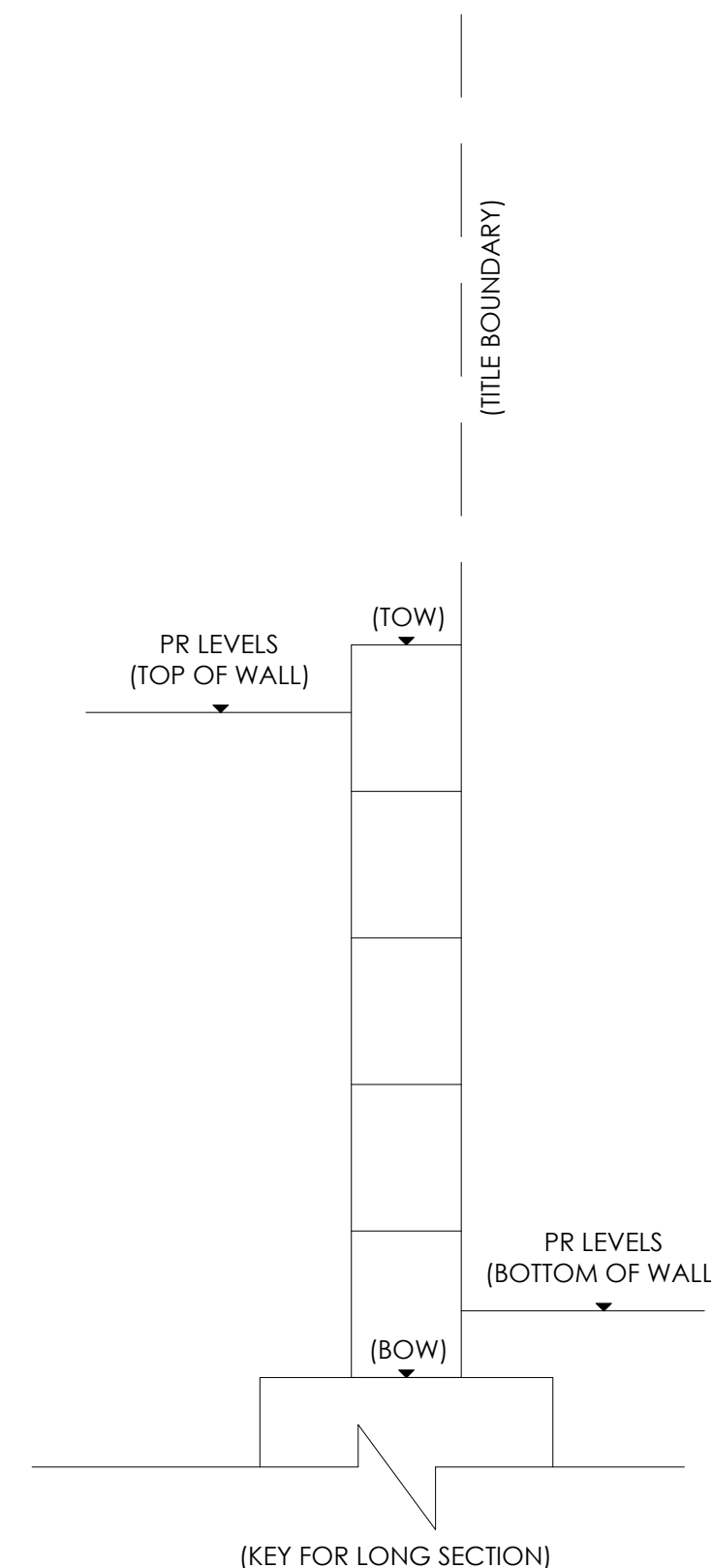
| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 4000 | 0 |

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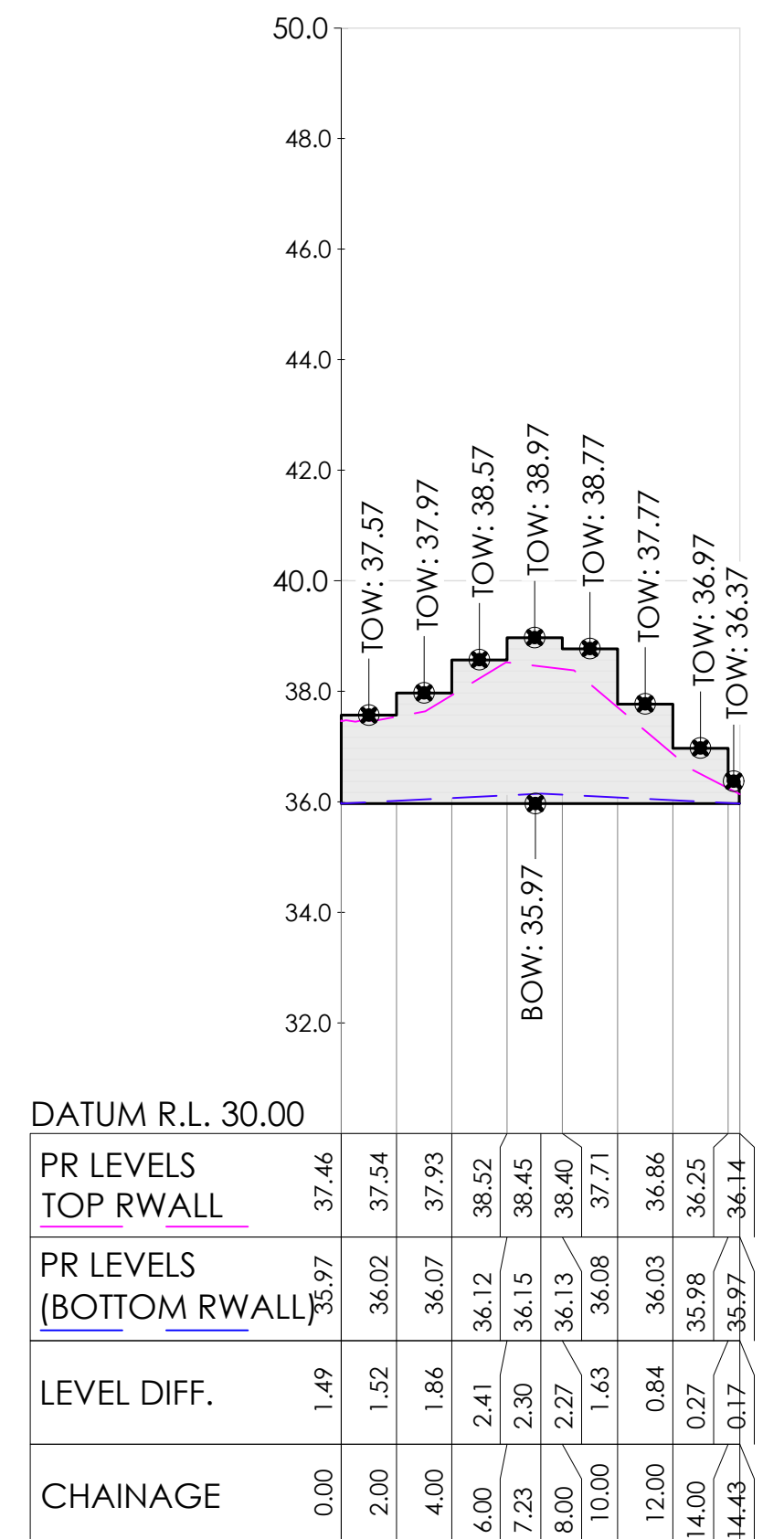
| Set Out Table for CONCRETE SLEEPER WALL D - BOW | | | | | | | |
|---|-------|----------|------------|-------------|--------|--------|-----------------|
| TAG | | CHAINAGE | EASTING | NORTHING | LENGTH | RADIUS | BEARING |
| C3 | TP | 0.00 | 310309.415 | 5818849.632 | 4.13 | 198.0 | 283° 45' 28.63" |
| | IP | 2.06 | 310307.405 | 5818850.102 | | | |
| | TP | 4.13 | 310305.405 | 5818850.614 | | | |
| C4 | TP | 4.13 | 310305.405 | 5818850.614 | 23.11 | 198.0 | 287° 41' 56.89" |
| | IP | 15.70 | 310294.197 | 5818853.482 | | | |
| | TP | 27.24 | 310283.400 | 5818857.636 | | | |
| L5 | START | 27.24 | 310283.400 | 5818857.636 | 4.57 | | 291° 02' 35" |
| | END | 31.81 | 310279.135 | 5818859.277 | | | |



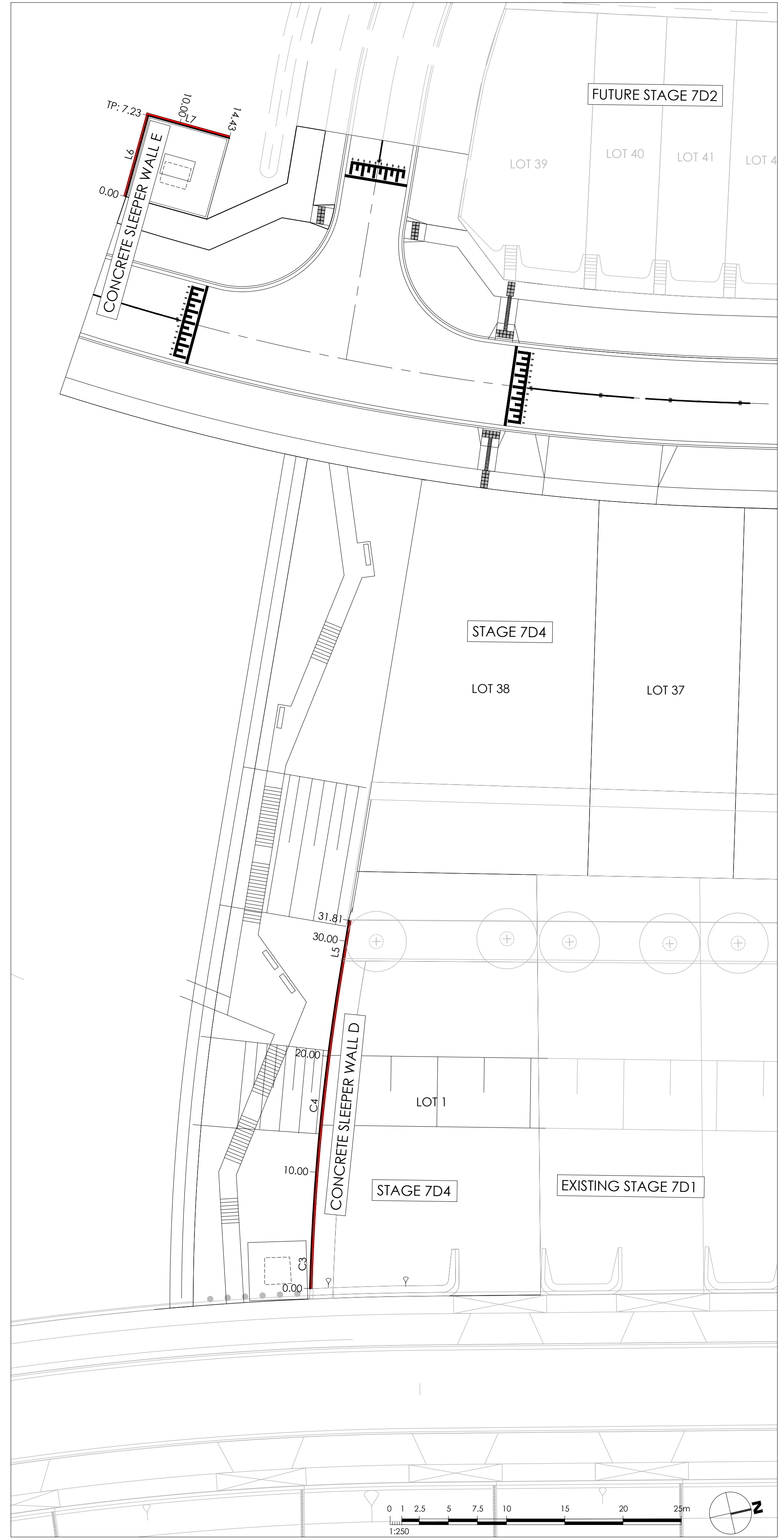
CONCRETE SLEEPER WALL D - BOW - LONG SECTION
 SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)



| Set Out Table for CONCRETE SLEEPER WALL E - BOW | | | | | | | |
|---|-------|----------|------------|-------------|--------|--------|--------------|
| TAG | | CHAINAGE | EASTING | NORTHING | LENGTH | RADIUS | BEARING |
| L6 | START | 0.00 | 310214.421 | 5818853.033 | 7.23 | | 297° 10' 02" |
| | END | 7.23 | 310207.993 | 5818856.332 | | | |
| L7 | START | 7.23 | 310207.993 | 5818856.332 | 7.20 | | 027° 10' 04" |
| | END | 14.43 | 310211.281 | 5818862.739 | | | |



CONCRETE SLEEPER WALL E - BOW - LONG SECTION
 SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Note for Contractors
 The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

⚠️ Dial before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

RETAINING WALL SECTIONS ARE PROVIDED BY CJ ARMS TO REPRESENT THE PROPOSED GROUND LEVEL AT THE TOP AND BOTTOM OF RETAINING WALLS.

THE CONTRACTOR IS TO DETERMINE OPTIMAL CONCRETE SLEEPER HEIGHT/POST SPACING AND ASSOCIATED FOUNDATIONS TO ACHIEVE THE PROPOSED GROUND LEVELS SHOWN BY CJA.

REFER TO DRAWING C-8021 FOR RETAINING WALL DETAILS.

FOR CONSTRUCTION



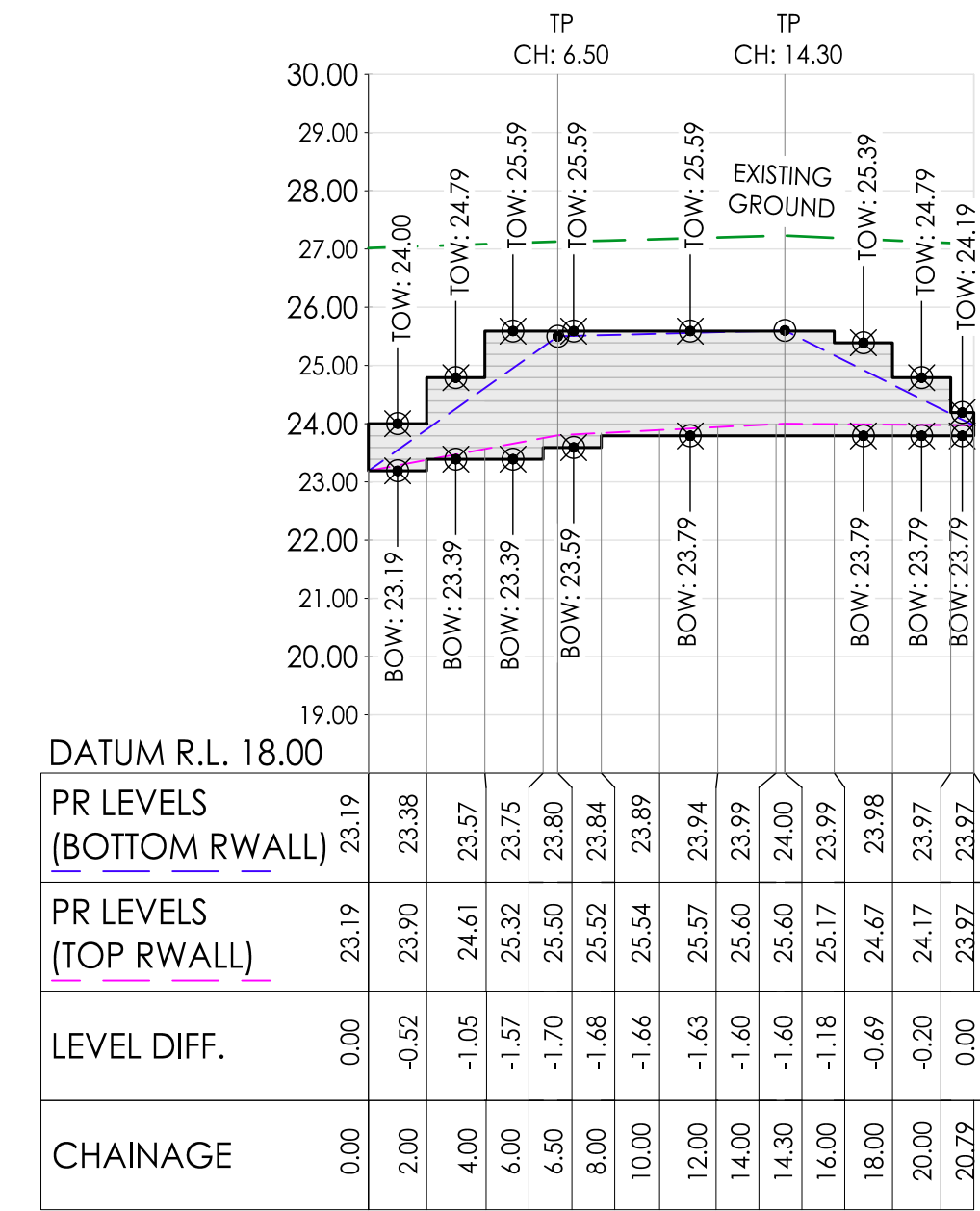
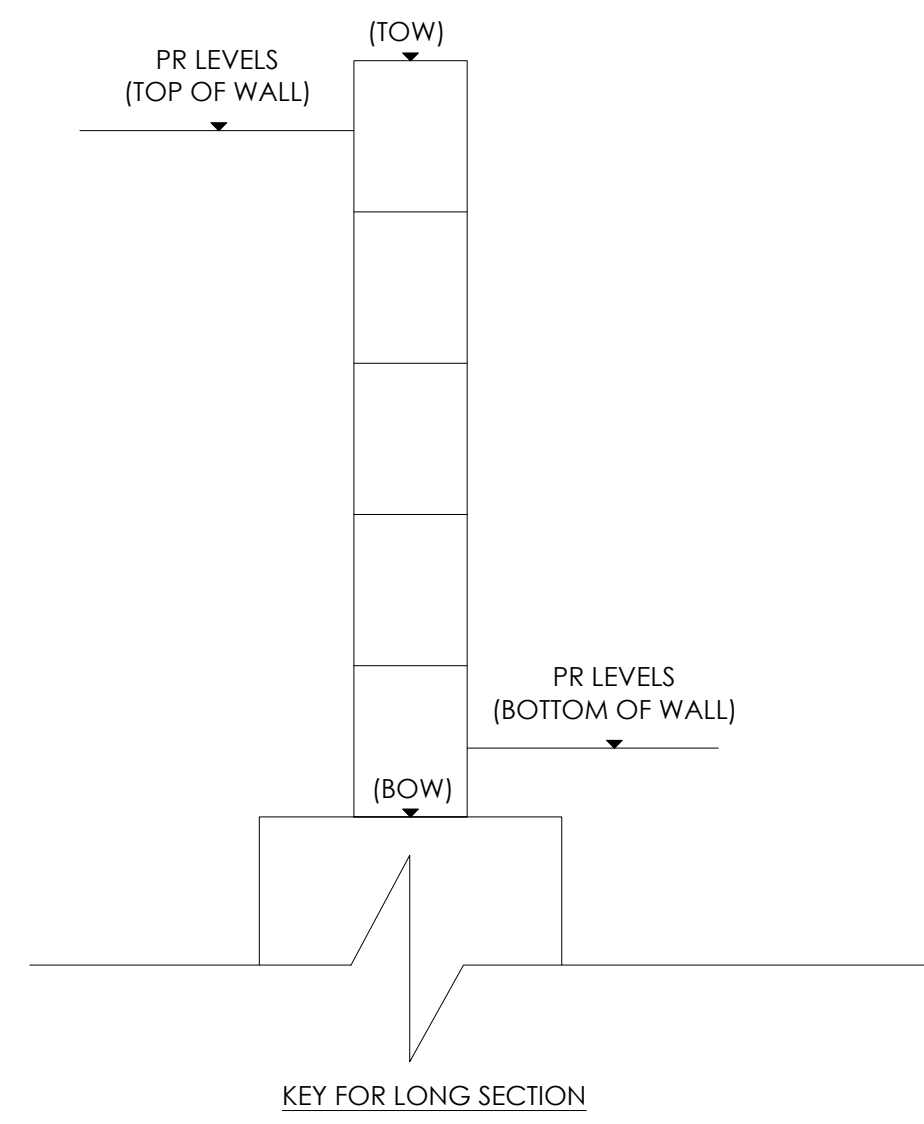
CIVIL SITWORKS
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Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: LONG SECTION - CONCRETE SLEEPER WALL (SHEET 2 OF 3)

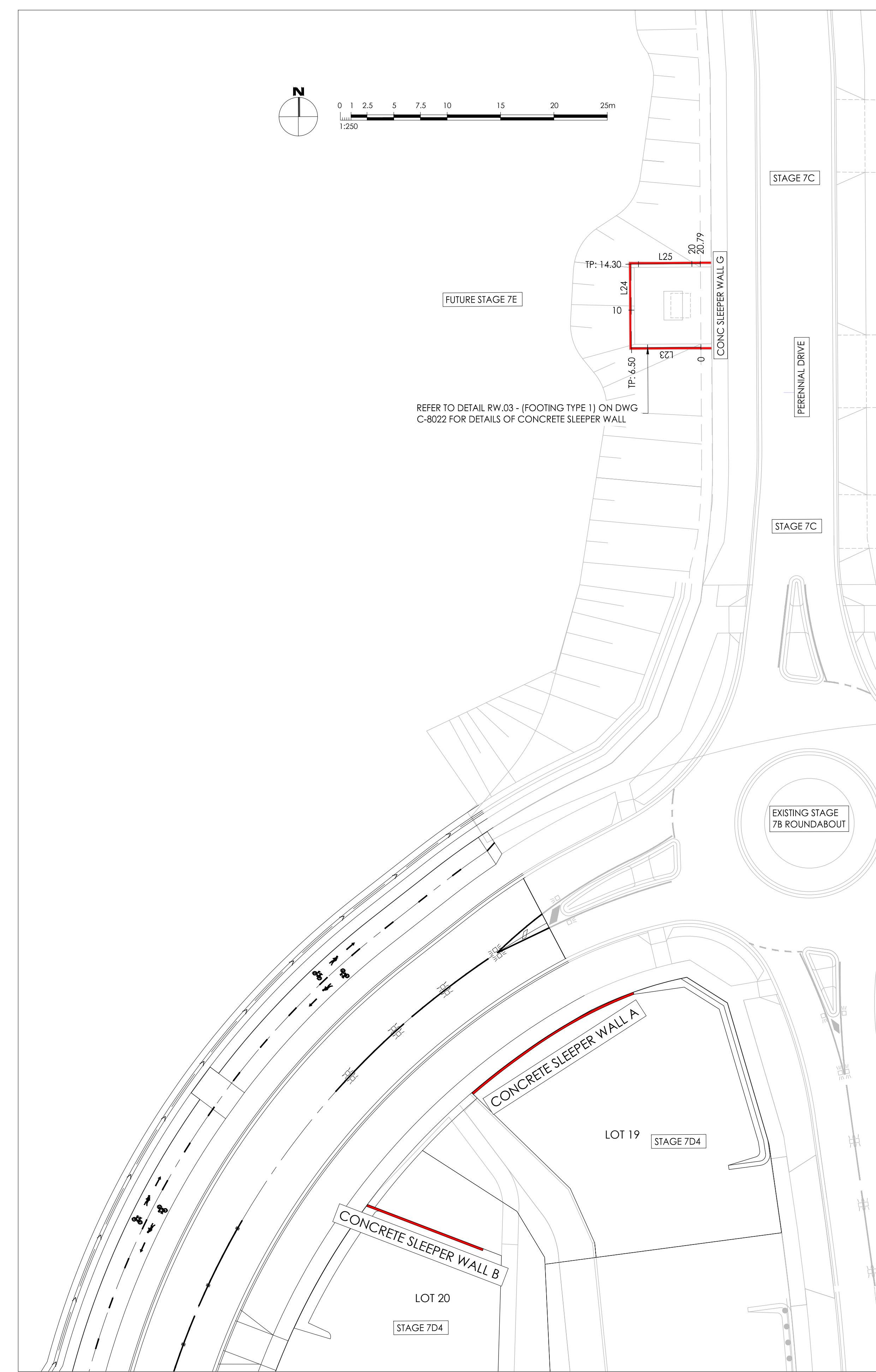
Drawn By: BP
 Checked By: VE
 Drawn Scale: AS NOTED @ A1
 Date of first issue: 18.09.23

| Project Number | Client | Zone | Level | File Type | Role | Number | Revision |
|----------------|--------|------|-------|-----------|------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 4001 | 0 |

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CONCRETE SLEEPER WALL G - BOW - LONG SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:125 (2x)



| | | | | |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | SP | TS |
| Revised | Date | Reason | Drawn | Checked |

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Deal before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

RETAINING WALL SECTIONS ARE PROVIDED BY CJ ARMS TO REPRESENT THE PROPOSED GROUND LEVEL AT THE TOP AND BOTTOM OF RETAINING WALLS.

THE CONTRACTOR IS TO DETERMINE OPTIMAL CONCRETE SLEEPER HEIGHT/POST SPACING AND ASSOCIATED FOUNDATIONS TO ACHIEVE THE PROPOSED GROUND LEVELS SHOWN BY CJA.

REFER TO C-8021 FOR CONSTRUCTION DETAILS

FOR CONSTRUCTION



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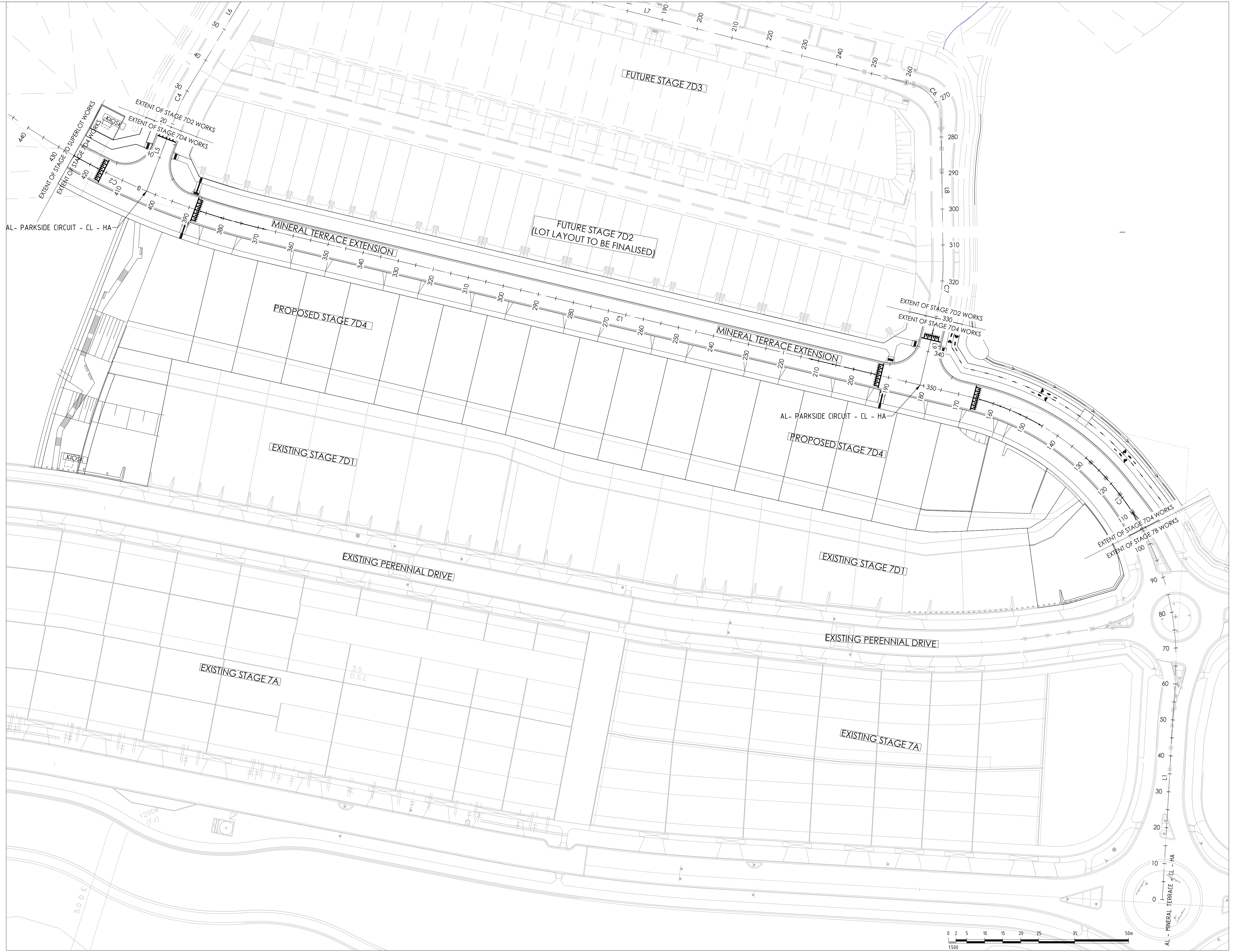
CIVIL SITWORKS
MELBOURNE
T: (03) 9385 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Purpose of Issue: FOR CONSTRUCTION

Drawn By: SP
Checked By: VB
Drawn Scale: AS SHOWN @ A1
Date of First Issue: 18.09.23

Revision Table:

| Project Number | Origin | Zone | Level | File Type | Issue | Number | Revision |
|----------------|--------|------|-------|-----------|-------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 4002 | 0 |



GIVE WAY LINE MARKING ARE REMOVED

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FOR CONSTRUCTION

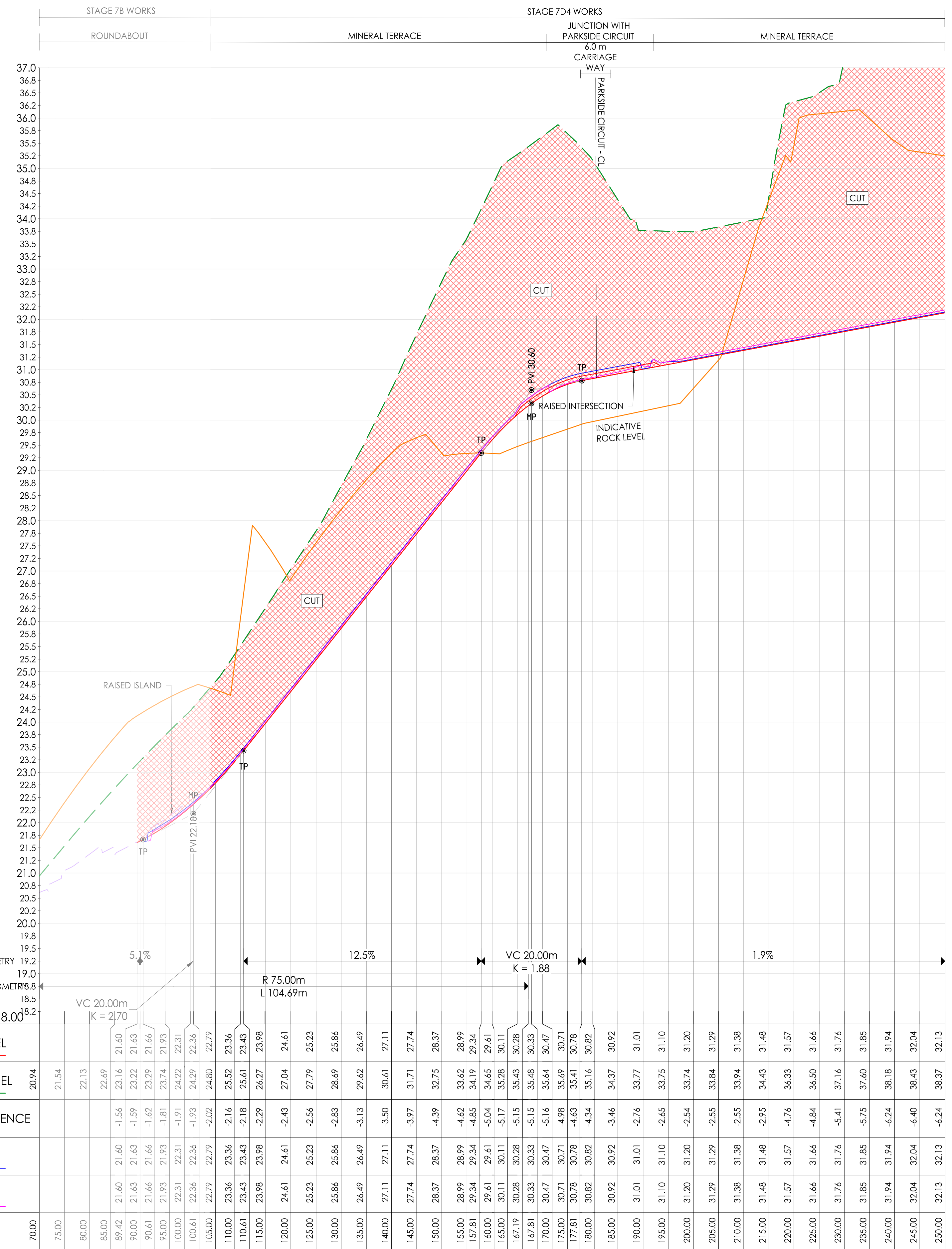


| | | | |
|------------------------------------|-------------|---|-------------------------------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing Title: ROAD LONG SECTION (SHEET 1 OF 4) | |
| Client: YOURLAND | | Drawn By: VR | Drawn Scale: 1:500 @ A1 |
| Purpose of Issue: FOR CONSTRUCTION | | Checked By: DR | Date of First Issue: 18.09.23 |
| Project Number: 15006 | Origin: CJA | Zone: 7D4 | Level: XX |
| Drawn: VR | Checked: DR | Role: C | Number: 5000 |
| | | | Revision: 0 |

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| Revision | Date | Reason | Drawn | Checked |
|----------|----------|-----------------------|-------|---------|
| 0 | 18.09.23 | SUED FOR CONSTRUCTION | VR | DR |

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| CHAINAGE | 70.00 | 75.00 | 80.00 | 85.00 | 89.42 | 90.00 | 90.61 | 95.00 | 100.00 | 100.61 | 105.00 | 110.00 | 110.61 | 115.00 | 120.00 | 125.00 | 130.00 | 135.00 | 140.00 | 145.00 | 150.00 | 155.00 | 157.81 | 160.00 | 165.00 | 167.19 | 170.00 | 175.00 | 177.81 | 180.00 | 185.00 | 190.00 | 195.00 | 200.00 | 205.00 | 210.00 | 215.00 | 220.00 | 225.00 | 230.00 | 235.00 | 240.00 | 245.00 | 250.00 | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--|--|--|
| DESIGN LEVEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING LEVEL | 20.94 | 21.54 | 22.13 | 22.69 | 23.16 | 21.60 | 21.63 | 21.66 | 21.93 | 22.31 | 22.36 | 23.36 | 23.43 | 23.43 | 24.61 | 25.23 | 25.86 | 26.49 | 27.11 | 27.74 | 28.37 | 28.99 | 29.34 | 29.34 | 29.61 | 30.11 | 30.28 | 30.71 | 30.78 | 30.82 | 30.92 | 31.01 | 31.10 | 31.20 | 31.29 | 31.38 | 31.48 | 31.57 | 31.66 | 31.76 | 31.85 | 31.94 | 32.04 | 32.13 | 32.23 | | | |
| LEVEL DIFFERENCE | | | | | | -1.56 | -1.59 | -1.81 | -1.81 | -1.93 | -2.02 | -2.16 | -2.18 | -2.29 | -2.43 | -2.56 | -2.83 | -3.13 | -3.50 | -3.97 | -4.39 | -4.62 | -4.85 | -5.04 | -5.17 | -5.15 | -4.98 | -4.63 | -4.34 | -3.46 | -2.76 | -2.65 | -2.54 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | -2.55 | | | |
| BOK LHC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOK RHC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

AL - MINERAL TERRACE - CL - HA - LONG SECTION
 SCALES: HORIZONTAL 1:500 VERTICAL 1:50 (10x)

REFER C-5002 FOR CONTINUATION

REFER C-5002 FOR CONTINUATION

Set Out Table for A

| TAG | | CHAINAGE | EASTING |
|-----|-------|----------|----------|
| L1 | START | 0.00 | 310428.7 |
| | END | 62.50 | 310366.3 |
| C1 | TP | 62.50 | 310366.3 |
| | IP | 125.41 | 310303.5 |
| | TP | 167.19 | 310288.9 |

LONG SECTION ARE NOW REPORTED IN 5m INTERVALS.

| Revision | Date | By | Checked |
|----------|----------|----|---------|
| 1 | 18/09/23 | RP | VR |

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✠ DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

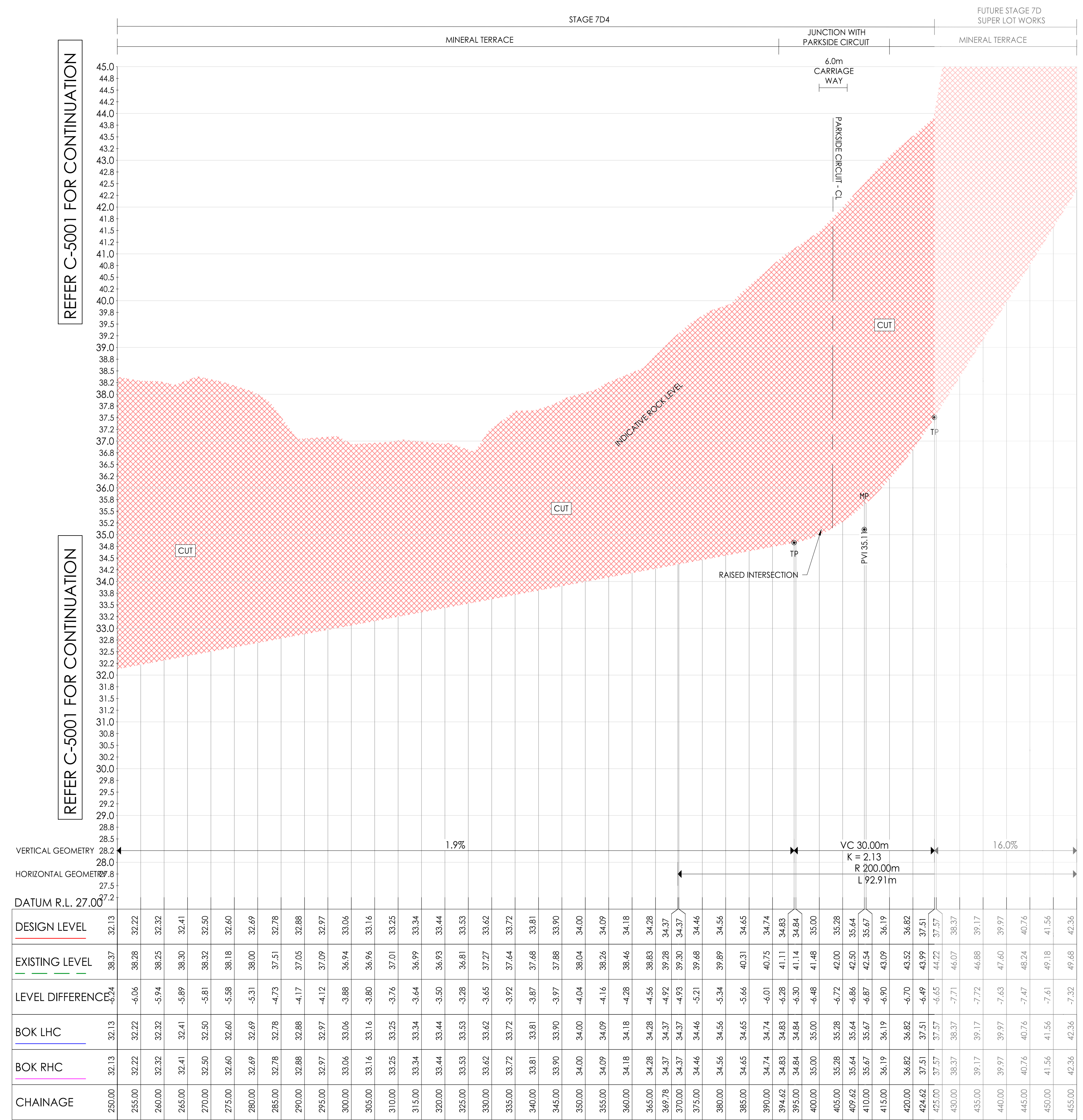
FOR CONSTRUCTION

CIVIL SITINGWORKS

Project: RIVER VALLEY - STAGE 7D4
 Drawing Title: ROAD LONG SECTION (SHEET 2 OF 4)
 Purpose of Issue: FOR CONSTRUCTION

| | | | | | | | |
|----------------|--------|------|-------|----------|------|--------|----------|
| Project Number | Origin | Zone | Level | FileType | Role | Number | Revision |
| 15006 | CJA | 7D4 | XX | DR | C | 5001 | 0 |

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| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | BOK LHC | BOK RHC | CHAINAGE |
|--------------|----------------|------------------|---------|---------|----------|
| 32.13 | 38.37 | -6.24 | 32.13 | 32.13 | 250.00 |
| 32.22 | 38.28 | -6.06 | 32.22 | 32.22 | 255.00 |
| 32.32 | 38.25 | -5.94 | 32.32 | 32.32 | 260.00 |
| 32.41 | 38.30 | -5.89 | 32.41 | 32.41 | 265.00 |
| 32.50 | 38.32 | -5.81 | 32.50 | 32.50 | 270.00 |
| 32.60 | 38.18 | -5.58 | 32.60 | 32.60 | 275.00 |
| 32.69 | 38.00 | -5.31 | 32.69 | 32.69 | 280.00 |
| 32.78 | 37.51 | -4.73 | 32.78 | 32.78 | 285.00 |
| 32.88 | 37.05 | -4.17 | 32.88 | 32.88 | 290.00 |
| 32.97 | 37.09 | -4.12 | 32.97 | 32.97 | 295.00 |
| 33.06 | 36.94 | -3.88 | 33.06 | 33.06 | 300.00 |
| 33.16 | 36.96 | -3.80 | 33.16 | 33.16 | 305.00 |
| 33.25 | 37.01 | -3.76 | 33.25 | 33.25 | 310.00 |
| 33.34 | 36.99 | -3.64 | 33.34 | 33.34 | 315.00 |
| 33.44 | 36.93 | -3.50 | 33.44 | 33.44 | 320.00 |
| 33.53 | 36.81 | -3.28 | 33.53 | 33.53 | 325.00 |
| 33.62 | 37.27 | -3.65 | 33.62 | 33.62 | 330.00 |
| 33.72 | 37.44 | -3.92 | 33.72 | 33.72 | 335.00 |
| 33.81 | 37.68 | -3.87 | 33.81 | 33.81 | 340.00 |
| 33.90 | 37.88 | -3.97 | 33.90 | 33.90 | 345.00 |
| 34.00 | 38.04 | -4.04 | 34.00 | 34.00 | 350.00 |
| 34.09 | 38.26 | -4.16 | 34.09 | 34.09 | 355.00 |
| 34.18 | 38.46 | -4.28 | 34.18 | 34.18 | 360.00 |
| 34.28 | 38.83 | -4.56 | 34.28 | 34.28 | 365.00 |
| 34.37 | 39.28 | -4.92 | 34.37 | 34.37 | 369.78 |
| 34.37 | 39.30 | -4.93 | 34.37 | 34.37 | 370.00 |
| 34.46 | 39.68 | -5.21 | 34.46 | 34.46 | 375.00 |
| 34.56 | 39.89 | -5.34 | 34.56 | 34.56 | 380.00 |
| 34.65 | 40.31 | -5.66 | 34.65 | 34.65 | 385.00 |
| 34.74 | 40.75 | -6.01 | 34.74 | 34.74 | 390.00 |
| 34.83 | 41.11 | -6.28 | 34.83 | 34.83 | 394.62 |
| 34.84 | 41.14 | -6.30 | 34.84 | 34.84 | 395.00 |
| 35.00 | 41.48 | -6.48 | 35.00 | 35.00 | 400.00 |
| 35.28 | 42.00 | -6.72 | 35.28 | 35.28 | 405.00 |
| 35.64 | 42.50 | -6.86 | 35.64 | 35.64 | 409.62 |
| 35.67 | 42.54 | -6.87 | 35.67 | 35.67 | 410.00 |
| 36.19 | 43.09 | -6.90 | 36.19 | 36.19 | 415.00 |
| 36.82 | 43.52 | -6.70 | 36.82 | 36.82 | 420.00 |
| 37.51 | 43.99 | -6.49 | 37.51 | 37.51 | 424.62 |
| 37.57 | 44.22 | -6.65 | 37.57 | 37.57 | 425.00 |
| 38.37 | 46.07 | -7.71 | 38.37 | 38.37 | 430.00 |
| 39.17 | 46.88 | -7.72 | 39.17 | 39.17 | 435.00 |
| 39.97 | 47.60 | -7.63 | 39.97 | 39.97 | 440.00 |
| 40.76 | 48.24 | -7.47 | 40.76 | 40.76 | 445.00 |
| 41.56 | 49.18 | -7.61 | 41.56 | 41.56 | 450.00 |
| 42.36 | 49.68 | -7.32 | 42.36 | 42.36 | 455.00 |

AL - MINERAL TERRACE - CL - HA - LONG SECTION
 SCALES: HORIZONTAL 1:500 VERTICAL 1:50 (10x)

Set Out Table for A

| TAG | | CHAINAGE | EASTING |
|-----|-------|----------|----------|
| L1 | START | 0.00 | 310428.7 |
| | END | 62.50 | 310366.3 |
| C1 | TP | 62.50 | 310366.3 |
| | IP | 125.41 | 310303.5 |
| | TP | 167.19 | 310288.9 |

LONG SECTION ARE NOW REPORTED IN 5m INTERVALS.

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION

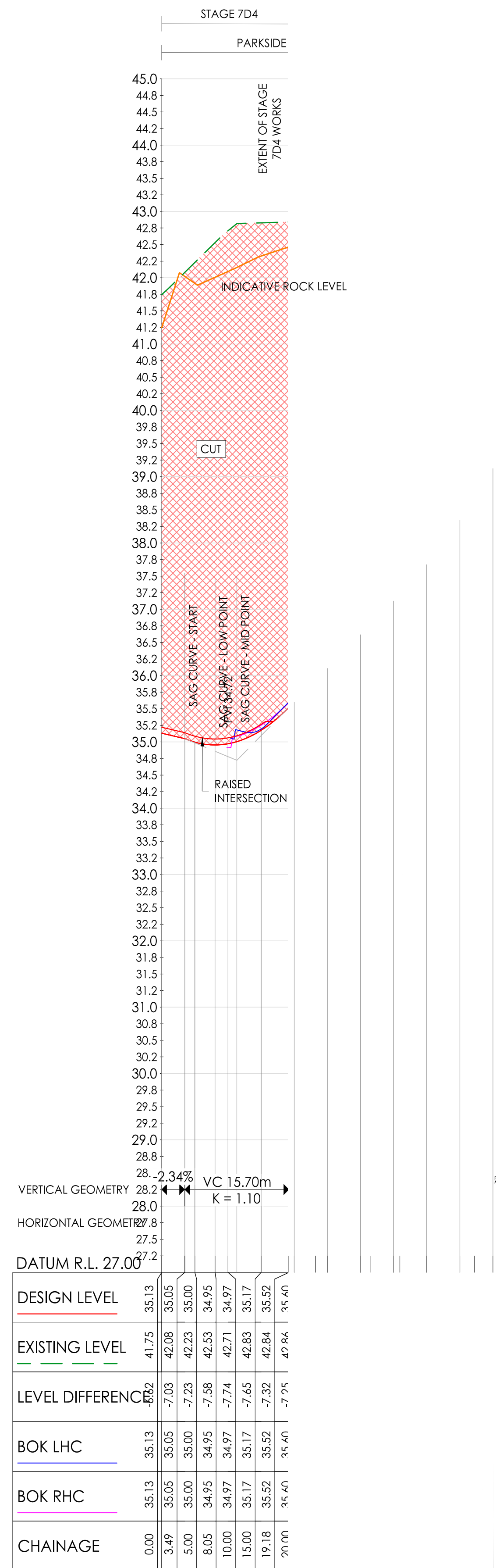


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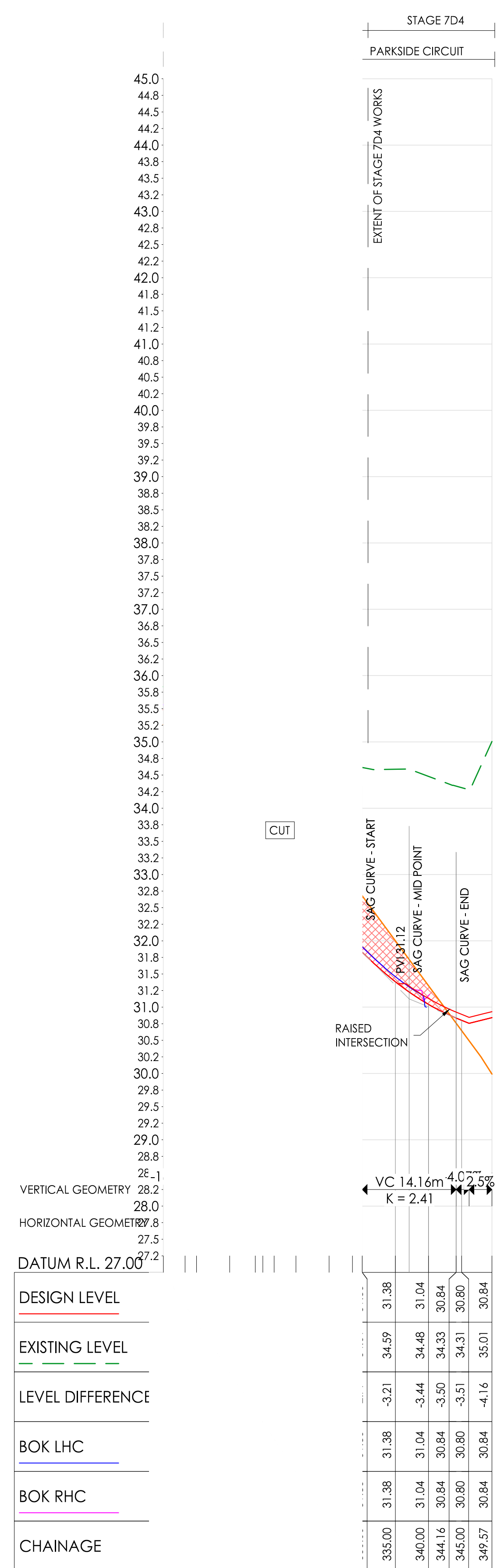
Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Purpose of Issue: FOR CONSTRUCTION

Drawn By: BP
 Checked By: VE
 Drawn Scale: 1:500
 Date of Issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5002 | 0 |

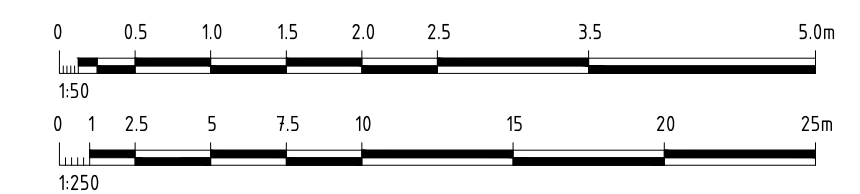


AL- PARKSIDE COURT - CL - HA - LONG SECTION
 SCALES: HORIZONTAL 1:500 VERTICAL 1:50 (10x)



AL- PARKSIDE COURT - CL - HA - LONG SECTION
 SCALES: HORIZONTAL 1:500 VERTICAL 1:50 (10x)

| TAG | | CHAINAGE | EASTING | NORTHING | LENGTH | RADIUS | BEARING |
|-----|-------|----------|------------|-------------|--------|--------|-----------------|
| L5 | START | 0.00 | 310231.920 | 5818868.763 | 23.22 | | 291° 04' 26" |
| | END | 23.22 | 310210.254 | 5818877.112 | | | |
| C4 | TP | 23.22 | 310210.254 | 5818877.112 | 8.23 | 4.72 | 296° 04' 33.41" |
| | IP | 27.35 | 310206.403 | 5818878.596 | | | |
| | TP | 31.45 | 310202.868 | 5818880.727 | | | |
| L6 | START | 31.45 | 310202.868 | 5818880.727 | 46.88 | | 301° 04' 41" |
| | END | 78.33 | 310162.716 | 5818904.927 | | | |
| C5 | TP | 78.33 | 310162.716 | 5818904.927 | 10.24 | 8.0 | 337° 44' 43.78" |
| | IP | 84.29 | 310157.615 | 5818908.001 | | | |
| | TP | 88.57 | 310159.098 | 5818913.769 | | | |
| L7 | START | 88.57 | 310159.098 | 5818913.769 | 172.69 | | 014° 24' 47" |
| | END | 261.26 | 310202.082 | 5819081.023 | | | |
| C6 | TP | 261.26 | 310202.082 | 5819081.023 | 14.64 | 11.2 | 051° 47' 25.13" |
| | IP | 269.83 | 310204.216 | 5819089.326 | | | |
| | TP | 275.90 | 310212.787 | 5819089.450 | | | |
| L8 | START | 275.90 | 310212.787 | 5819089.450 | 37.96 | | 089° 10' 04" |
| | END | 313.86 | 310250.746 | 5819090.002 | | | |
| C7 | TP | 313.86 | 310250.746 | 5819090.002 | 14.66 | 60.0 | 096° 10' 04.96" |
| | IP | 321.23 | 310258.113 | 5819090.109 | | | |
| | TP | 328.53 | 310265.286 | 5819088.430 | | | |
| L9 | START | 328.53 | 310265.286 | 5819088.430 | 21.04 | | 103° 10' 06" |
| | END | 349.57 | 310285.777 | 5819083.636 | | | |



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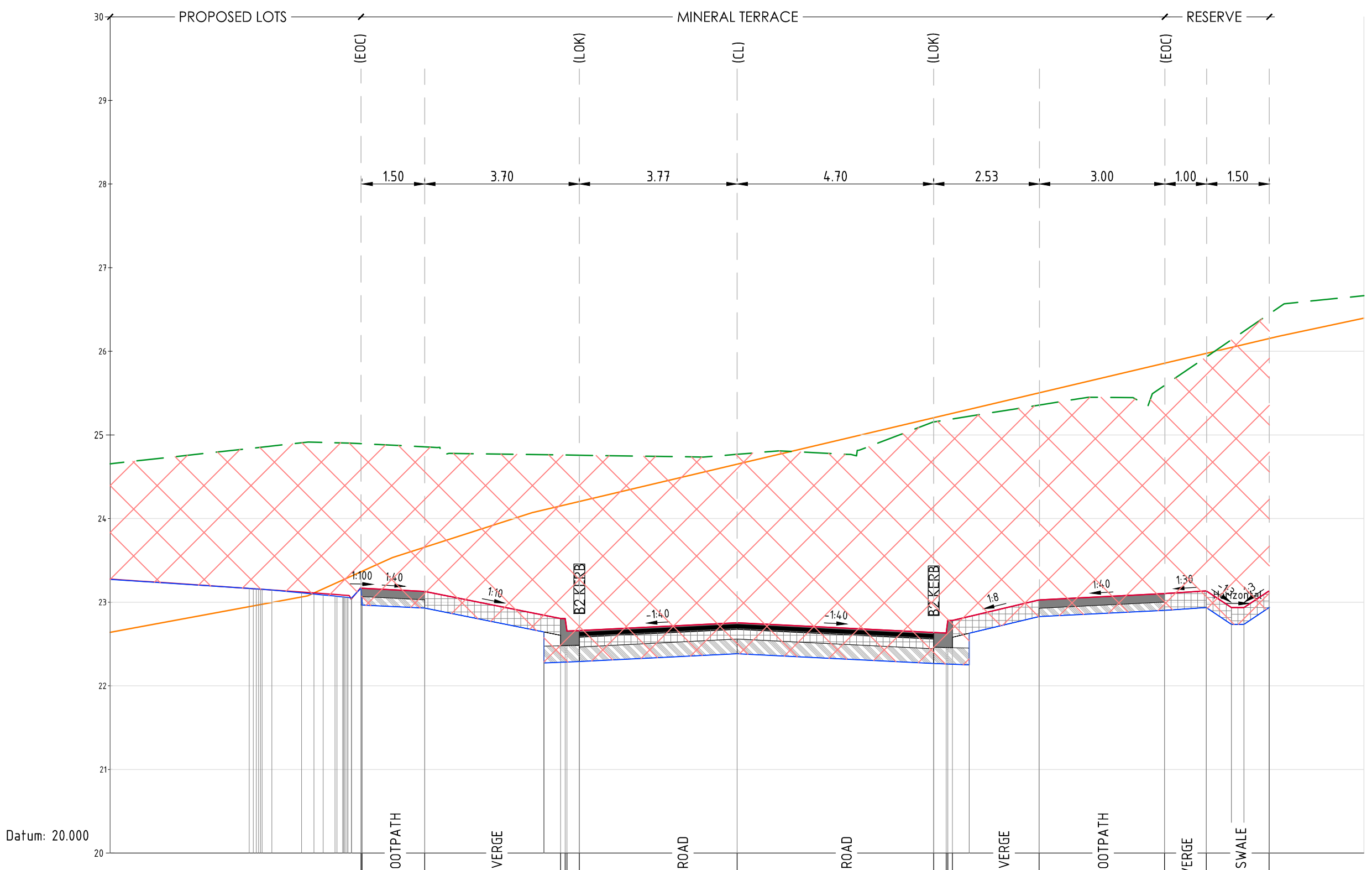
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FOR CONSTRUCTION

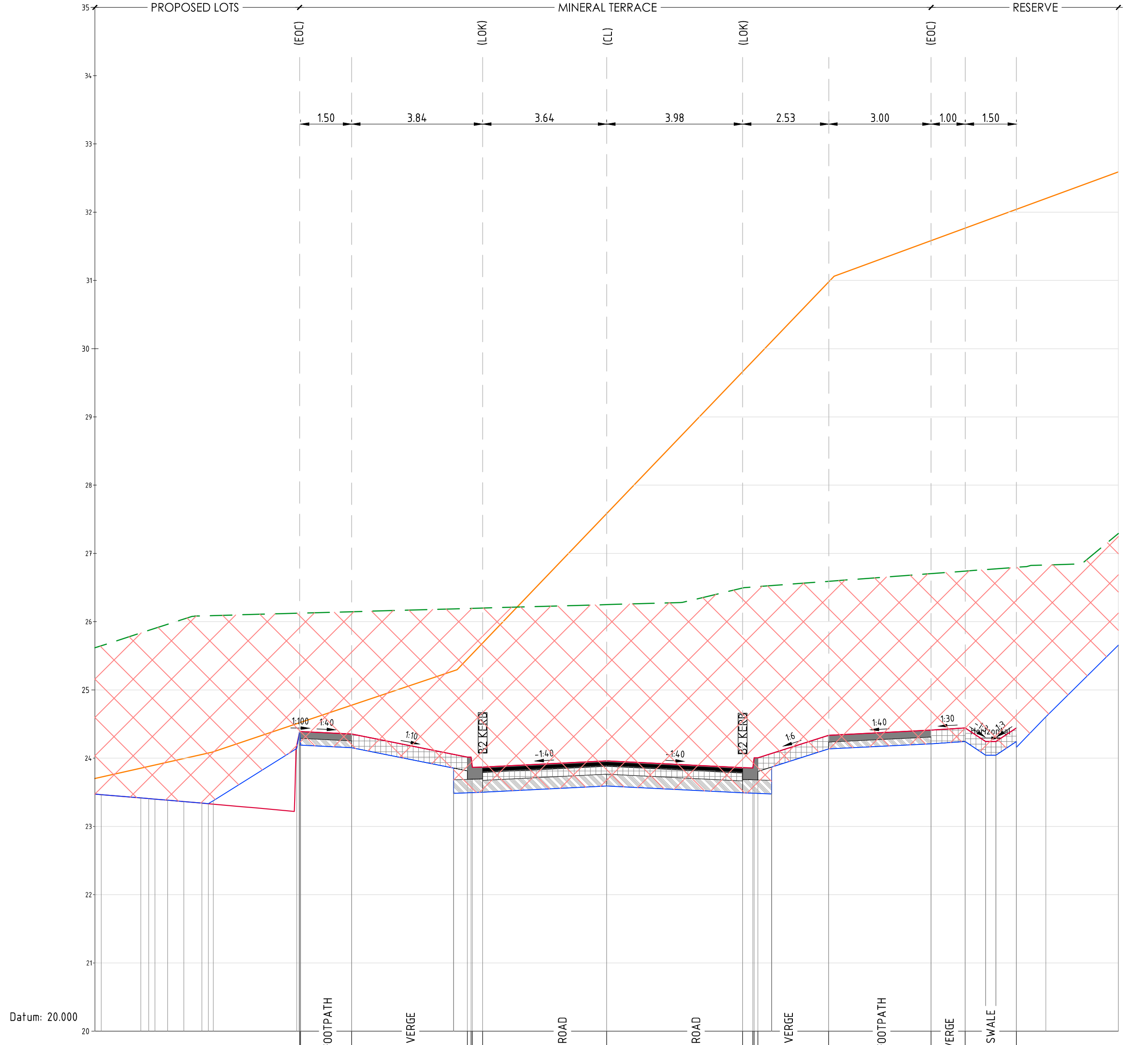


| | | | |
|------------------------------------|---------------|----------------------------------|-------------------------------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing Title: ROAD LONG SECTION | |
| Client: YOURLAND | | [SHEET 4 OF 4] | |
| Purpose of Issue: FOR CONSTRUCTION | | Drawn By: RP | Checked By: TS |
| Project Number: 15006 | Zone: CJA | Level: 7D4 | Date of First Issue: 18.09.23 |
| Origin: CJA | Zone: 7D4 | Level: XX | Revision: 0 |
| Level: XX | File Type: DR | Role: C | Number: 5003 |
| Revision: 0 | | | |



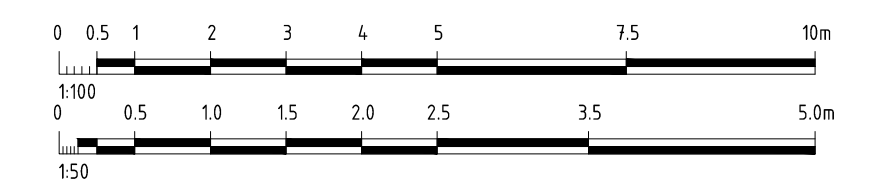
| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 23.17 | 24.90 | -1.73 | -9.00 |
| 23.17 | 24.90 | -1.73 | -8.98 |
| 23.13 | 24.86 | -1.73 | -7.48 |
| 22.80 | 24.76 | -1.96 | -4.22 |
| 22.80 | 24.76 | -1.96 | -4.11 |
| 22.65 | 24.76 | -2.11 | -4.07 |
| 22.66 | 24.76 | -2.10 | -3.77 |
| 22.75 | 24.77 | -2.01 | 0.00 |
| 22.64 | 25.16 | -2.52 | 4.70 |
| 22.63 | 25.18 | -2.55 | 5.00 |
| 22.78 | 25.18 | -2.40 | 5.04 |
| 22.78 | 25.19 | -2.41 | 5.15 |
| 23.03 | 25.36 | -2.33 | 7.23 |
| 23.10 | 25.59 | -2.49 | 10.23 |
| 23.14 | 26.14 | -2.80 | 11.23 |
| 22.94 | 26.14 | -3.20 | 11.83 |
| 22.94 | 26.24 | -3.30 | 12.13 |
| 23.14 | 26.44 | -3.31 | 12.73 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 104.69
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 24.39 | 26.12 | -1.73 | -9.00 |
| 24.39 | 26.12 | -1.73 | -8.98 |
| 24.35 | 26.15 | -1.79 | -7.47 |
| 24.01 | 26.19 | -2.18 | -4.09 |
| 24.01 | 26.19 | -2.18 | -3.98 |
| 23.86 | 26.20 | -2.33 | -3.94 |
| 23.87 | 26.20 | -2.33 | -3.64 |
| 23.96 | 26.25 | -2.29 | 0.00 |
| 23.86 | 26.49 | -2.63 | 3.98 |
| 23.86 | 26.51 | -2.65 | 4.28 |
| 24.01 | 26.51 | -2.50 | 4.32 |
| 24.01 | 26.51 | -2.51 | 4.43 |
| 24.34 | 26.59 | -2.26 | 6.51 |
| 24.41 | 26.70 | -2.29 | 9.51 |
| 24.44 | 26.74 | -2.30 | 10.51 |
| 24.24 | 26.76 | -2.52 | 11.11 |
| 24.24 | 26.77 | -2.53 | 11.41 |
| 24.44 | 26.80 | -2.35 | 12.01 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 114.84
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | | |

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DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION



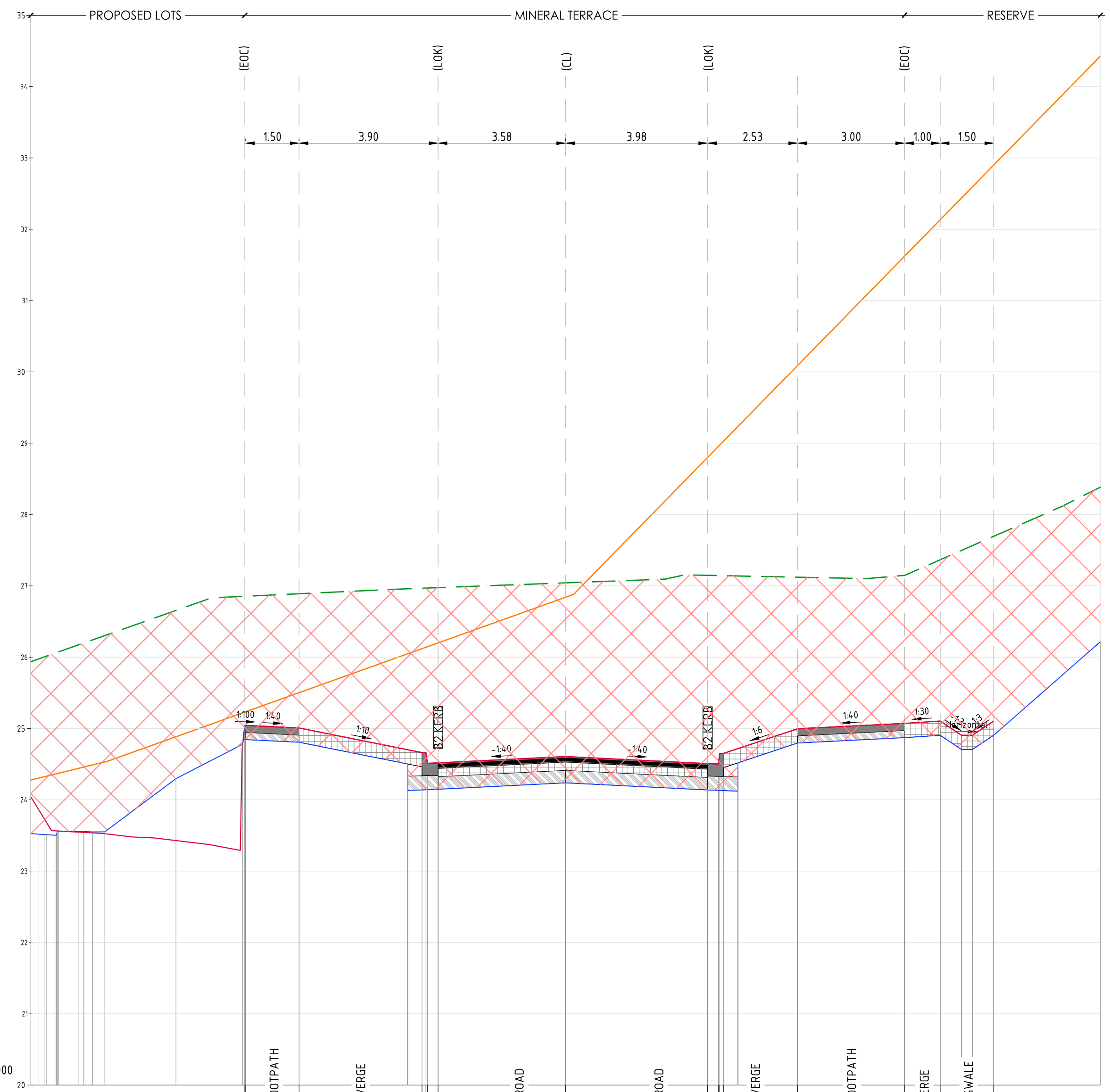
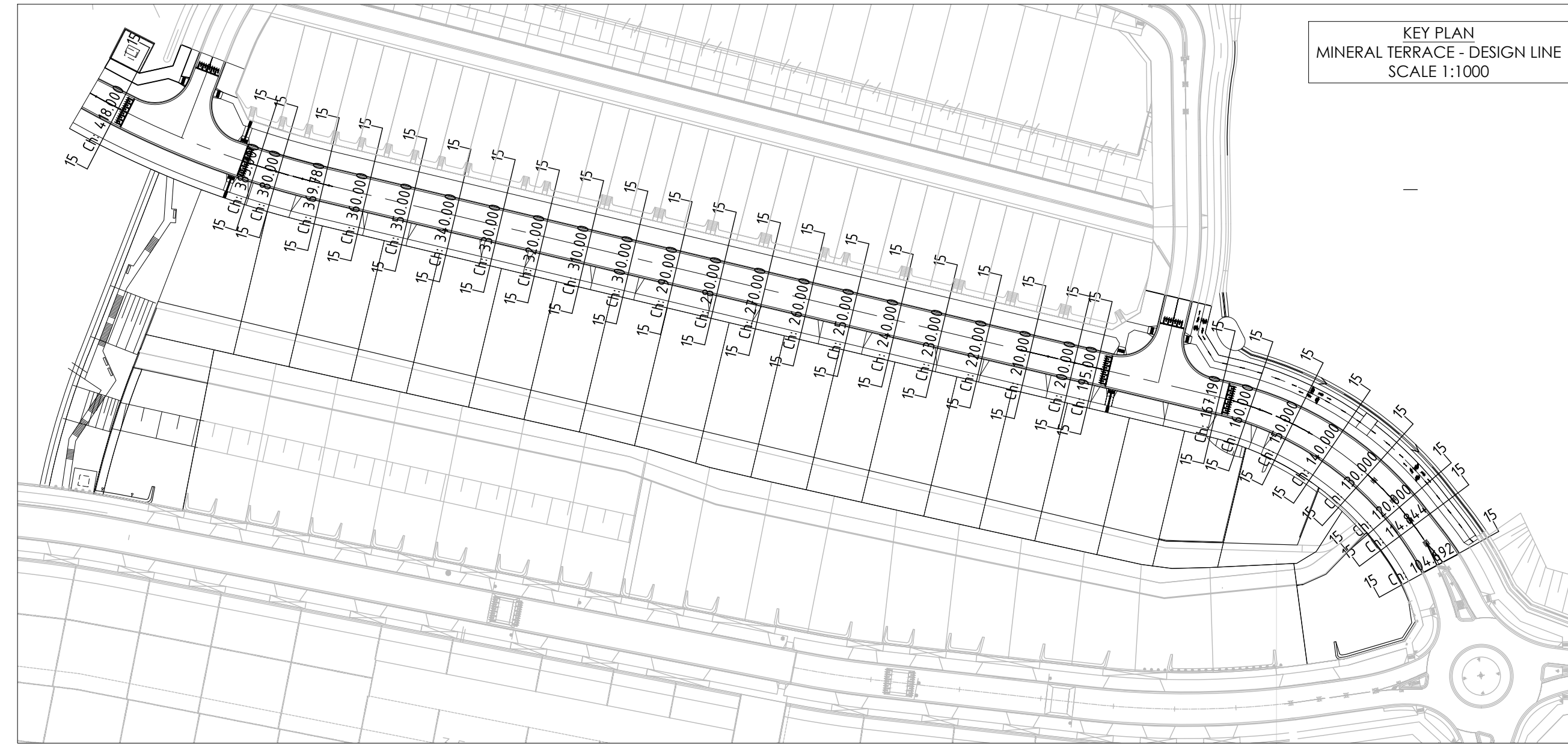
CIVIL SITWORKS
MELBOURNE SYDNEY
T: +61 3 9285 2800 | F: +61 2 8234 8370 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 1 OF 15)

Drawn By: EP
Checked By: VE
Drawn Scale: 1:100/1:50/1:50
Date of first issue: 18.09.23

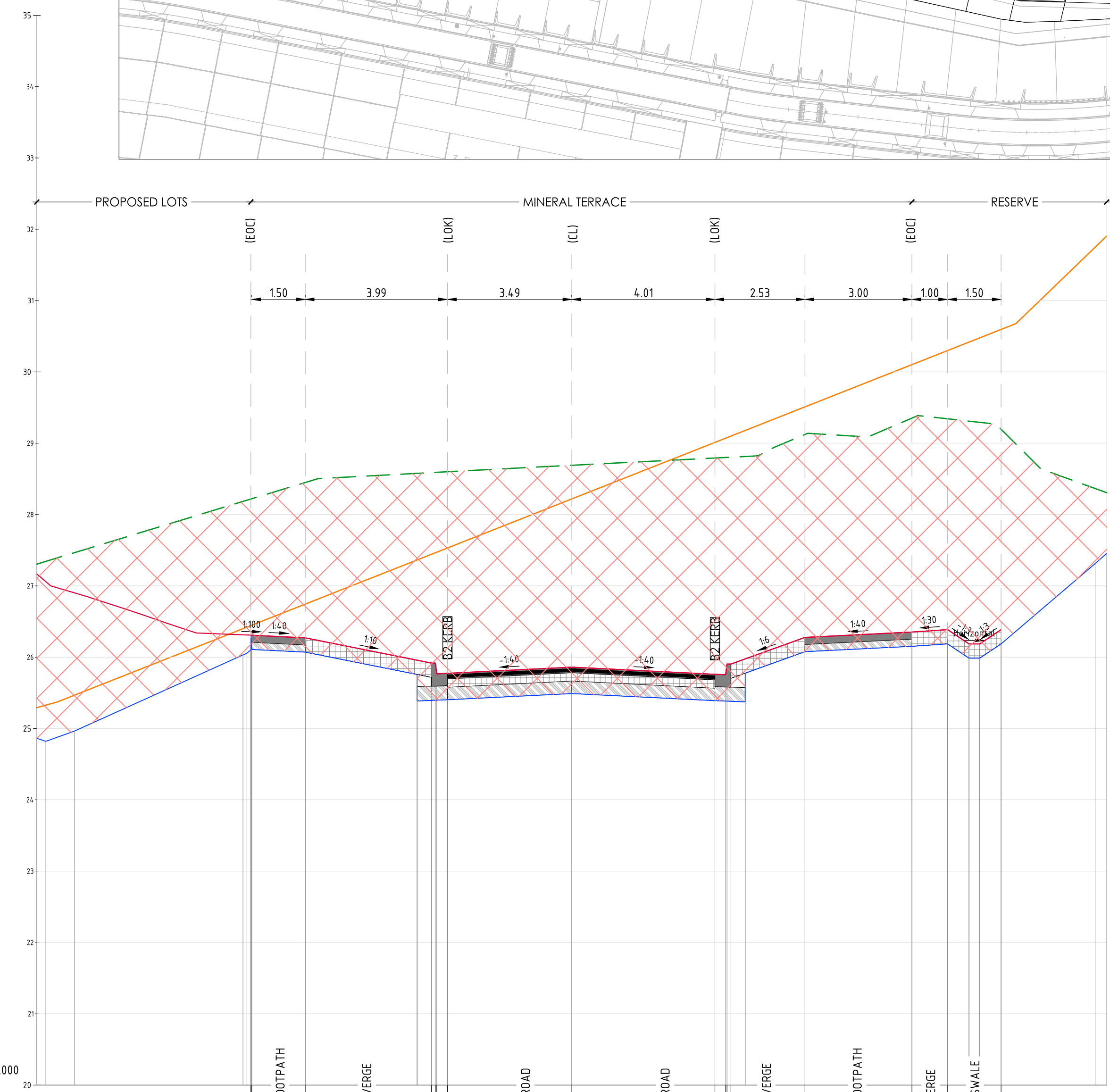
| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5100 | 0 |

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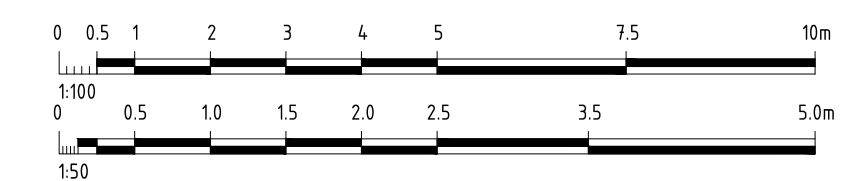
| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 25.04 | 26.85 | -1.81 | -9.00 |
| 25.04 | 26.85 | -1.81 | -8.98 |
| 25.01 | 26.89 | -1.88 | -7.48 |
| 24.52 | 26.97 | -2.46 | -4.03 |
| 24.66 | 26.97 | -2.31 | -3.92 |
| 24.51 | 26.97 | -2.46 | -3.88 |
| 24.52 | 26.97 | -2.46 | -3.58 |
| 24.61 | 27.04 | -2.43 | 0.00 |
| 24.51 | 27.15 | -2.64 | 3.98 |
| 24.50 | 27.14 | -2.64 | 4.28 |
| 24.65 | 27.14 | -2.49 | 4.32 |
| 24.65 | 27.14 | -2.49 | 4.43 |
| 25.00 | 27.12 | -2.13 | 6.51 |
| 25.07 | 27.15 | -2.08 | 9.51 |
| 24.90 | 27.37 | -2.26 | 10.51 |
| 24.90 | 27.50 | -2.59 | 11.11 |
| 24.90 | 27.56 | -2.66 | 11.41 |
| 25.10 | 27.69 | -2.59 | 12.01 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 120.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 26.31 | 28.22 | -1.91 | -9.00 |
| 26.31 | 28.22 | -1.91 | -8.98 |
| 26.27 | 28.45 | -2.18 | -7.48 |
| 25.92 | 28.59 | -2.67 | -3.94 |
| 25.92 | 28.59 | -2.67 | -3.83 |
| 25.77 | 28.59 | -2.82 | -3.79 |
| 25.77 | 28.60 | -2.83 | -3.49 |
| 25.86 | 28.69 | -2.83 | 0.00 |
| 25.76 | 28.79 | -3.03 | 4.01 |
| 25.75 | 28.80 | -3.05 | 4.31 |
| 25.90 | 28.80 | -2.90 | 4.35 |
| 25.90 | 28.80 | -2.90 | 4.46 |
| 26.28 | 29.12 | -2.84 | 6.54 |
| 26.35 | 29.35 | -3.00 | 9.54 |
| 26.39 | 29.34 | -2.96 | 10.54 |
| 26.19 | 29.31 | -3.12 | 11.14 |
| 26.19 | 29.29 | -3.11 | 11.44 |
| 26.39 | 29.20 | -2.81 | 12.04 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 130.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).
 DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS).

FOR CONSTRUCTION

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.
Dial before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

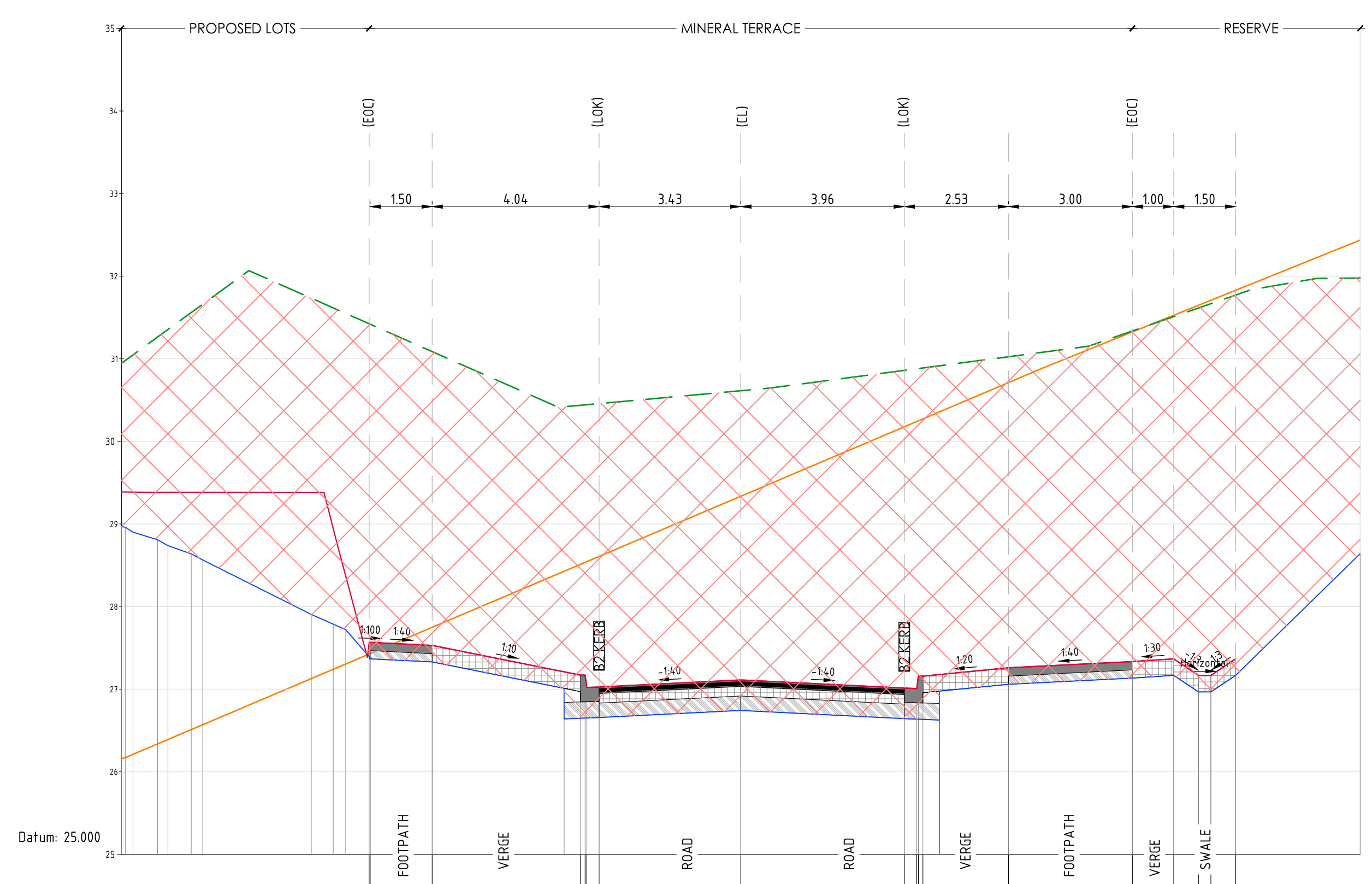


Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
For Construction

Drawn By: BP
Checked By: VE
Drawn Scale: 1:100H-1:50V @ A1
Date of first issue: 18.09.23

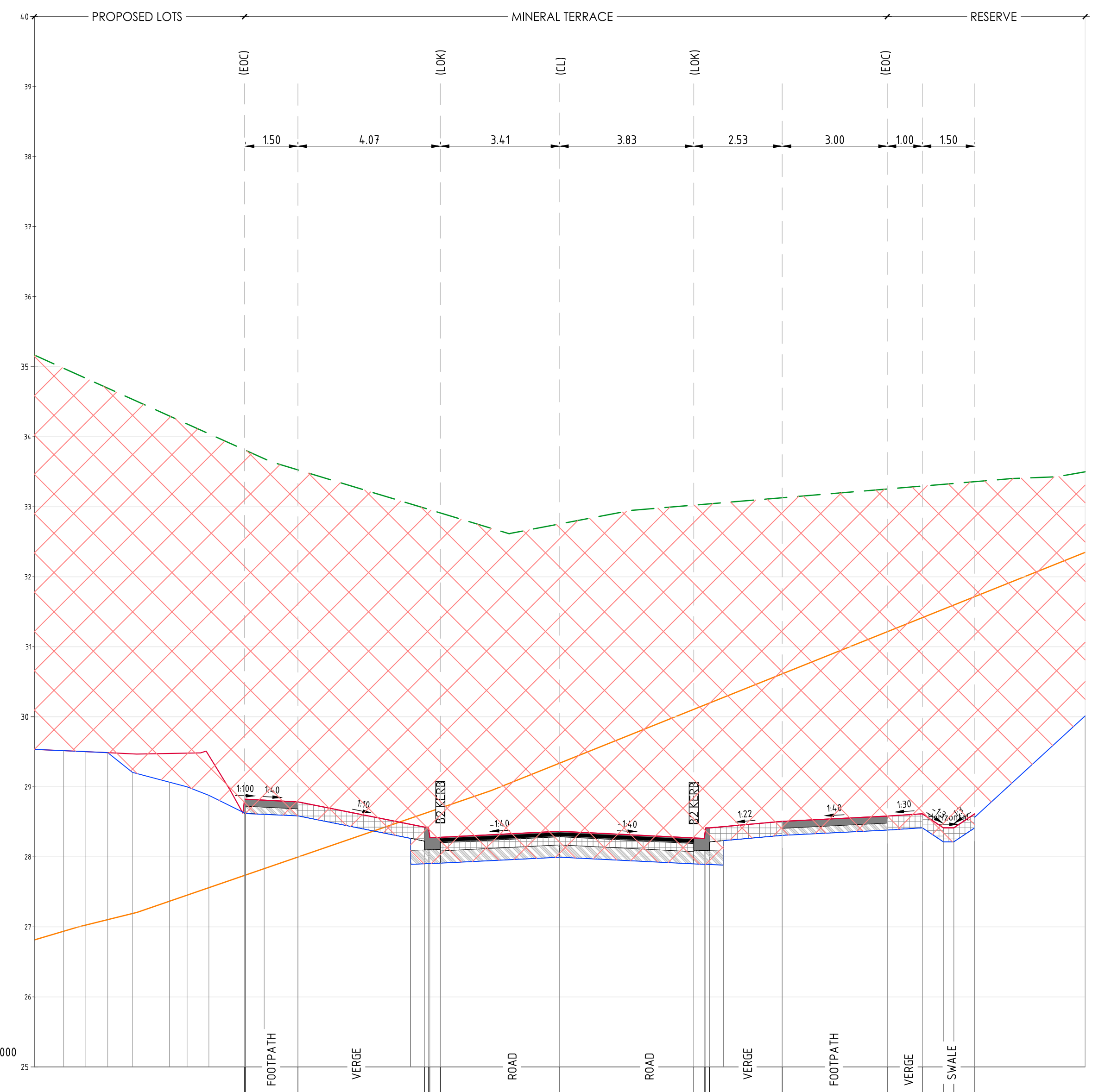
| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5101 | 0 |

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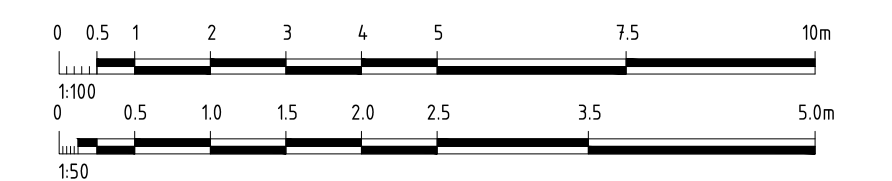
| DESIGN LEVEL | 31.42 | 27.57 | 27.57 | 27.53 | 27.17 | 27.17 | 27.02 | 27.03 | 27.11 | 27.01 | 27.01 | 27.16 | 27.16 | 27.37 | 27.37 | 27.17 | 27.17 | 27.37 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVEL | 31.42 | 31.42 | 31.09 | 27.53 | 30.44 | 30.44 | 30.44 | 30.46 | 30.61 | 30.86 | 30.88 | 30.88 | 30.89 | 31.51 | 31.51 | 31.61 | 31.61 | 31.77 |
| LEVEL DIFFERENCE | -3.86 | -3.95 | -3.56 | | -3.77 | -3.77 | -3.72 | -3.43 | -3.50 | -3.85 | -3.87 | -3.72 | -3.73 | -4.14 | -4.14 | -4.45 | -4.45 | -4.40 |
| OFFSETS | -9.00 | -8.98 | -7.48 | | -3.88 | -3.77 | -3.73 | -3.43 | 0.00 | 3.96 | 4.26 | 4.30 | 4.41 | 6.48 | 9.48 | 10.48 | 11.08 | 11.38 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 140.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | 28.82 | 28.82 | 28.79 | 28.28 | 28.42 | 28.42 | 28.27 | 28.28 | 28.37 | 28.27 | 28.27 | 28.41 | 28.41 | 28.58 | 28.58 | 28.42 | 28.42 | 28.28 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVEL | 33.81 | 33.81 | 33.53 | 32.91 | 32.98 | 32.96 | 33.04 | 33.04 | 32.75 | 33.02 | 33.04 | 33.04 | 33.04 | 33.25 | 33.25 | 33.32 | 33.32 | 33.33 |
| LEVEL DIFFERENCE | -4.99 | -4.98 | -4.74 | -4.63 | -4.56 | -4.54 | -4.77 | -4.63 | -4.39 | -4.75 | -4.77 | -4.62 | -4.63 | -4.67 | -4.68 | -4.91 | -4.92 | -4.74 |
| OFFSETS | -9.00 | -8.97 | -7.47 | | -3.86 | -3.75 | -3.71 | -3.41 | 0.00 | 3.83 | 4.13 | 4.17 | 4.28 | 6.35 | 9.35 | 10.35 | 10.93 | 11.25 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 150.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | | |

Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

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Do not scale from this drawing. Beware of underground services. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS).

NOT FOR CONSTRUCTION

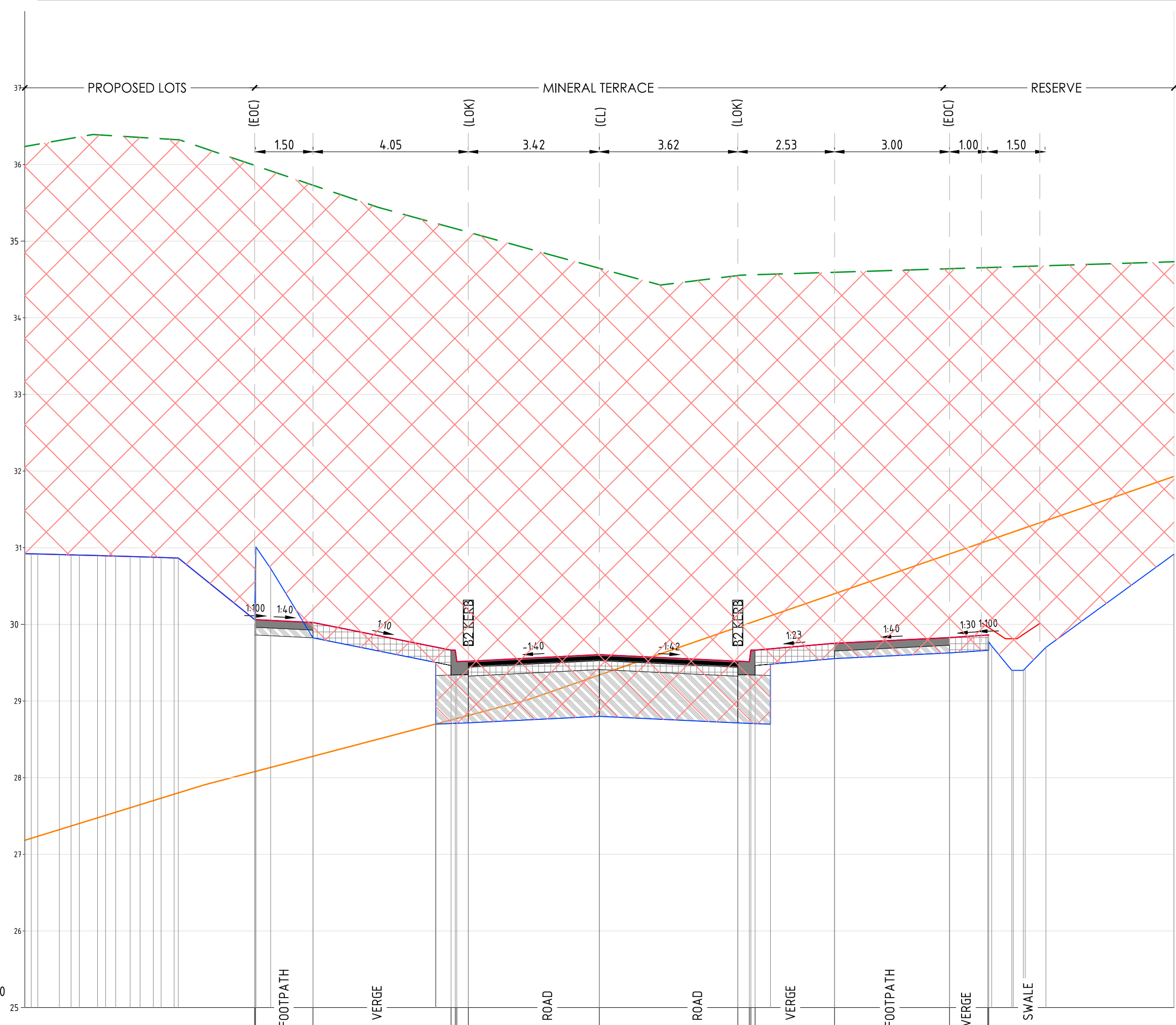
YourLand Developments **CJ ARMS** **CIVIL SITWORKS**

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Purpose of Issue: FOR CONSTRUCTION

Drawn By: BP
Checked By: VE
Drawn Scale: 1:100H-1:50V @ A1
Date of First Issue: 18.09.23

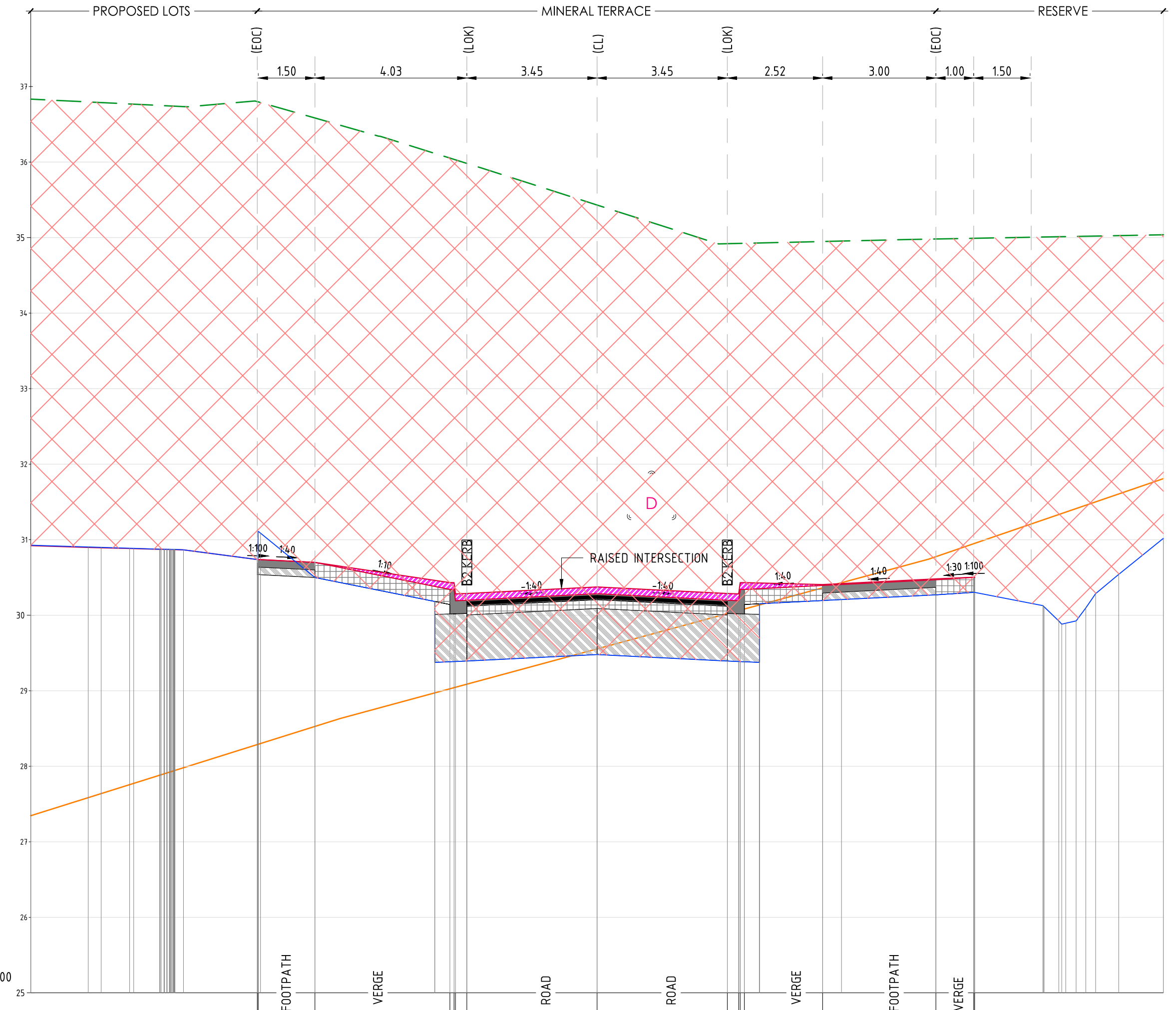
Project Number: 15006
Origin: CJA
Zone: 7D4
Level: XX
File Type: DR
Revs: C
Number: 5102
Revision: 0

www.cjarms.com



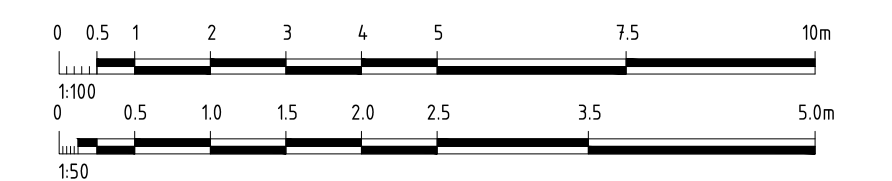
| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 30.06 | 35.99 | -5.93 | 9.00 |
| 30.06 | 35.99 | -5.92 | 6.97 |
| 30.02 | 35.73 | -5.71 | 7.148 |
| 29.66 | 35.18 | -5.52 | 3.87 |
| 29.66 | 35.16 | -5.50 | 3.76 |
| 29.51 | 35.16 | -5.64 | 3.72 |
| 29.52 | 35.12 | -5.60 | 3.42 |
| 29.61 | 34.65 | -5.04 | 0.00 |
| 29.52 | 34.55 | -5.03 | 3.62 |
| 29.51 | 34.56 | -5.05 | 3.92 |
| 29.66 | 34.56 | -4.90 | 3.96 |
| 29.66 | 34.56 | -4.90 | 4.07 |
| 29.75 | 34.59 | -4.84 | 6.14 |
| 29.83 | 34.64 | -4.81 | 9.14 |
| 29.86 | 34.66 | -4.79 | 10.14 |
| 29.86 | 34.66 | -4.79 | 10.17 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 160.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 30.74 | 36.80 | -6.06 | 9.00 |
| 30.74 | 36.80 | -6.06 | 6.98 |
| 30.70 | 36.58 | -5.88 | 7.148 |
| 30.34 | 36.05 | -5.71 | 3.90 |
| 30.34 | 36.04 | -5.69 | 3.79 |
| 30.19 | 36.03 | -5.84 | 3.75 |
| 30.20 | 35.98 | -5.78 | 3.45 |
| 30.28 | 35.43 | -5.15 | 0.00 |
| 30.20 | 34.92 | -4.72 | 3.45 |
| 30.19 | 34.92 | -4.73 | 3.75 |
| 30.34 | 34.92 | -4.58 | 3.79 |
| 30.34 | 34.92 | -4.58 | 3.90 |
| 30.39 | 34.95 | -4.55 | 5.98 |
| 30.47 | 34.98 | -4.51 | 8.98 |
| 30.50 | 34.99 | -4.49 | 9.98 |
| 30.50 | 34.99 | -4.49 | 10.00 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 167.19
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



Note for Contractors
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Deal before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

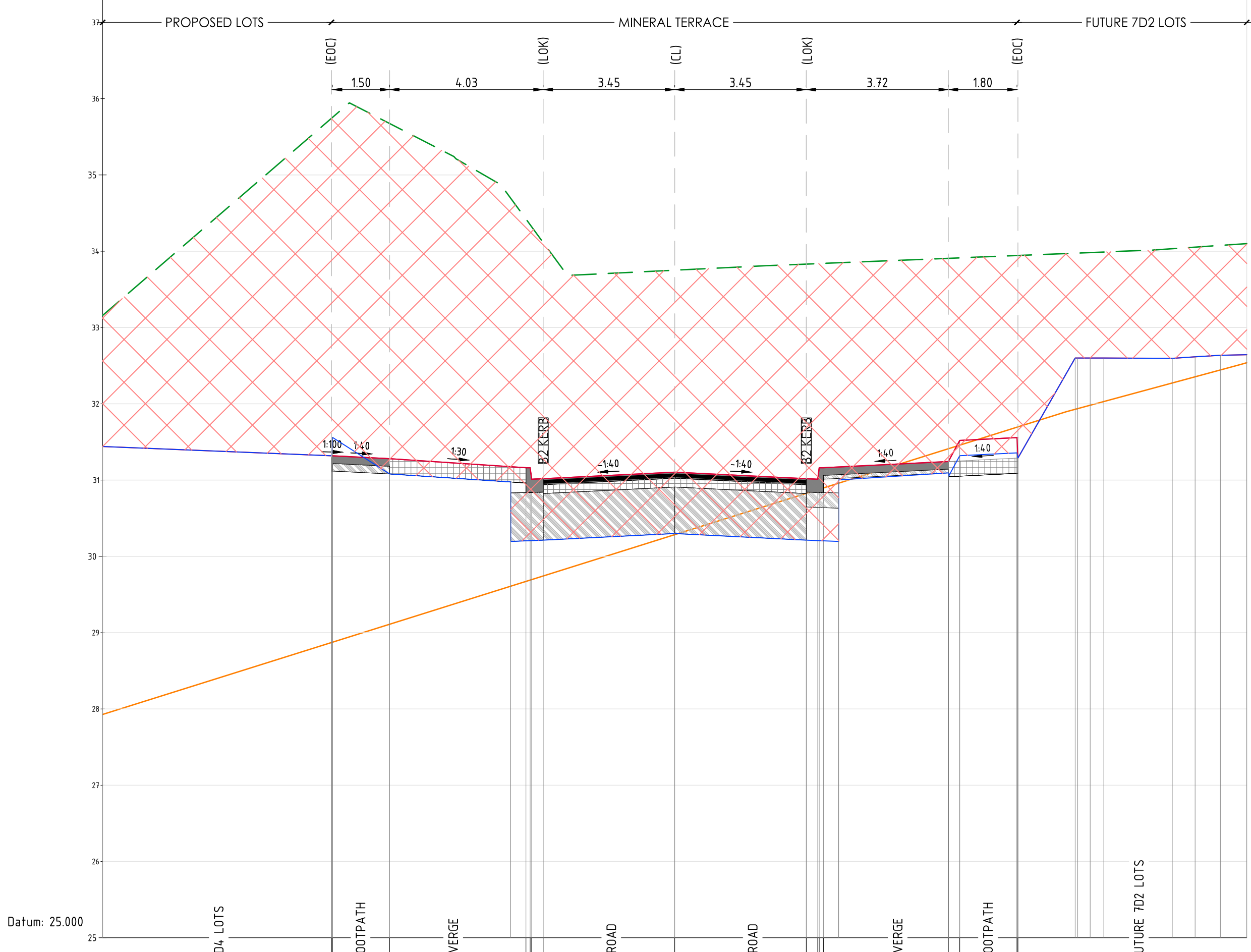
DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 4 OF 15)
For Construction

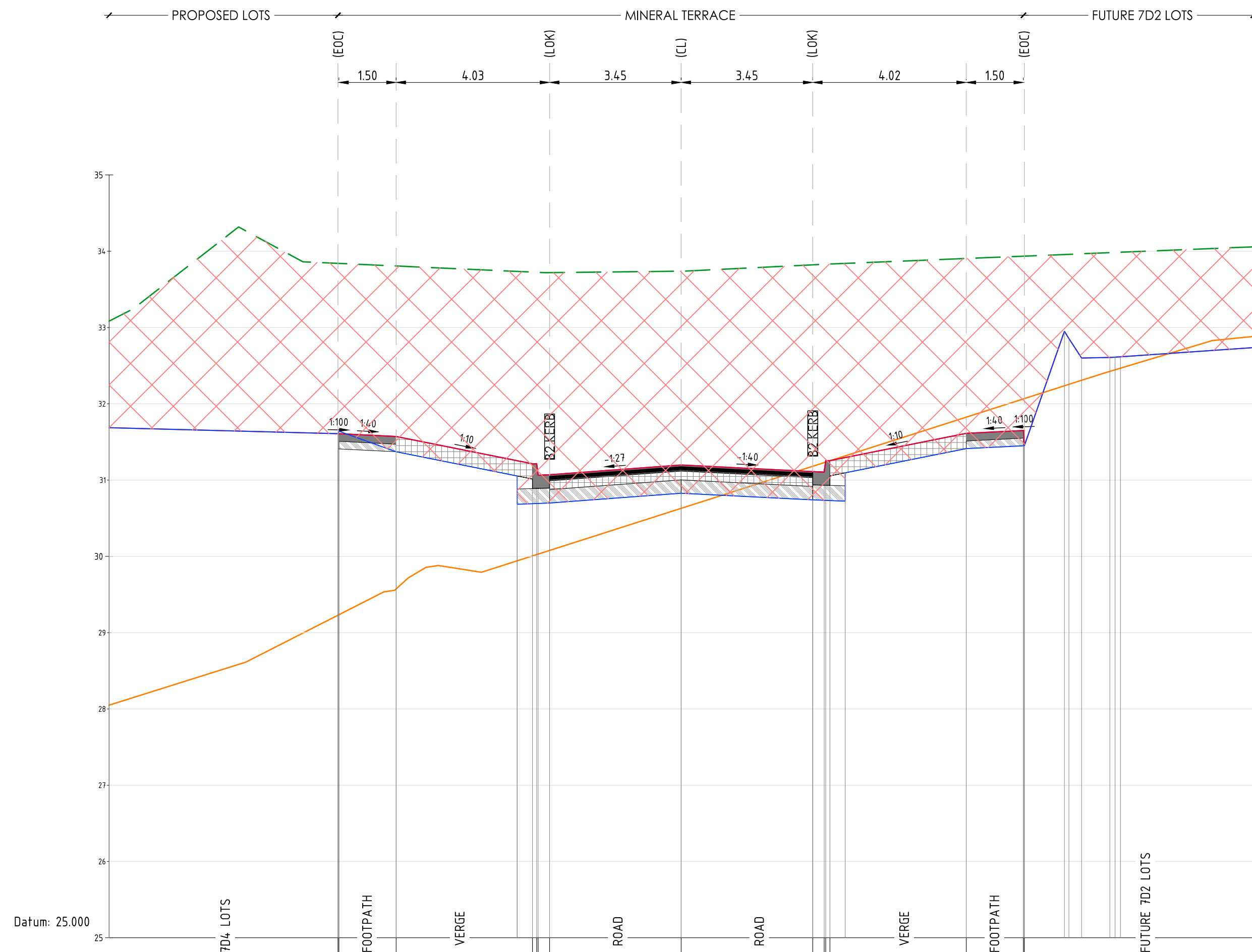
| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5103 | 0 |

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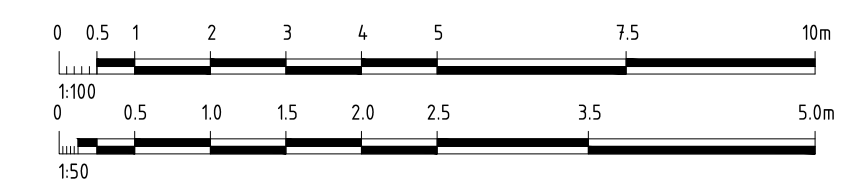
| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 31.32 | 35.74 | -4.42 | -9.00 |
| 31.32 | 35.75 | -4.44 | -8.98 |
| 31.28 | 35.67 | -4.39 | -7.48 |
| 31.16 | 34.42 | -3.26 | -3.90 |
| 31.01 | 34.35 | -3.19 | -3.79 |
| 31.01 | 34.32 | -3.31 | -3.75 |
| 31.02 | 34.12 | -3.10 | -3.45 |
| 31.10 | 33.75 | -2.65 | 0.00 |
| 31.02 | 33.83 | -2.81 | 3.45 |
| 31.01 | 33.84 | -2.83 | 3.75 |
| 31.16 | 33.84 | -2.68 | 3.79 |
| 31.16 | 33.84 | -2.68 | 3.90 |
| 31.24 | 33.91 | -2.66 | 7.18 |
| 31.52 | 33.91 | -2.39 | 7.47 |
| 31.56 | 33.94 | -2.39 | 8.98 |
| 31.56 | 33.94 | -2.39 | 9.00 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 195.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 31.61 | 33.84 | -2.23 | -9.00 |
| 31.61 | 33.84 | -2.23 | -8.98 |
| 31.57 | 33.81 | -2.24 | -7.48 |
| 31.21 | 33.73 | -2.51 | -3.90 |
| 31.21 | 33.72 | -2.51 | -3.79 |
| 31.06 | 33.72 | -2.66 | -3.75 |
| 31.07 | 33.72 | -2.65 | -3.45 |
| 31.20 | 33.74 | -2.54 | 0.00 |
| 31.11 | 33.82 | -2.71 | 3.45 |
| 31.26 | 33.83 | -2.72 | 3.75 |
| 31.26 | 33.83 | -2.57 | 3.79 |
| 31.26 | 33.83 | -2.58 | 3.90 |
| 31.61 | 33.90 | -2.29 | 7.47 |
| 31.65 | 33.94 | -2.29 | 8.98 |
| 31.65 | 33.94 | -2.29 | 9.00 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 200.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).
 DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION

Note for Contractors
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BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.



CIVIL SITWORKS
MELBOURNE SYDNEY
T: +61 3 9285 2800 | F: +61 2 8034 8370 | E: info@cjarms.com | W: www.cjarms.com

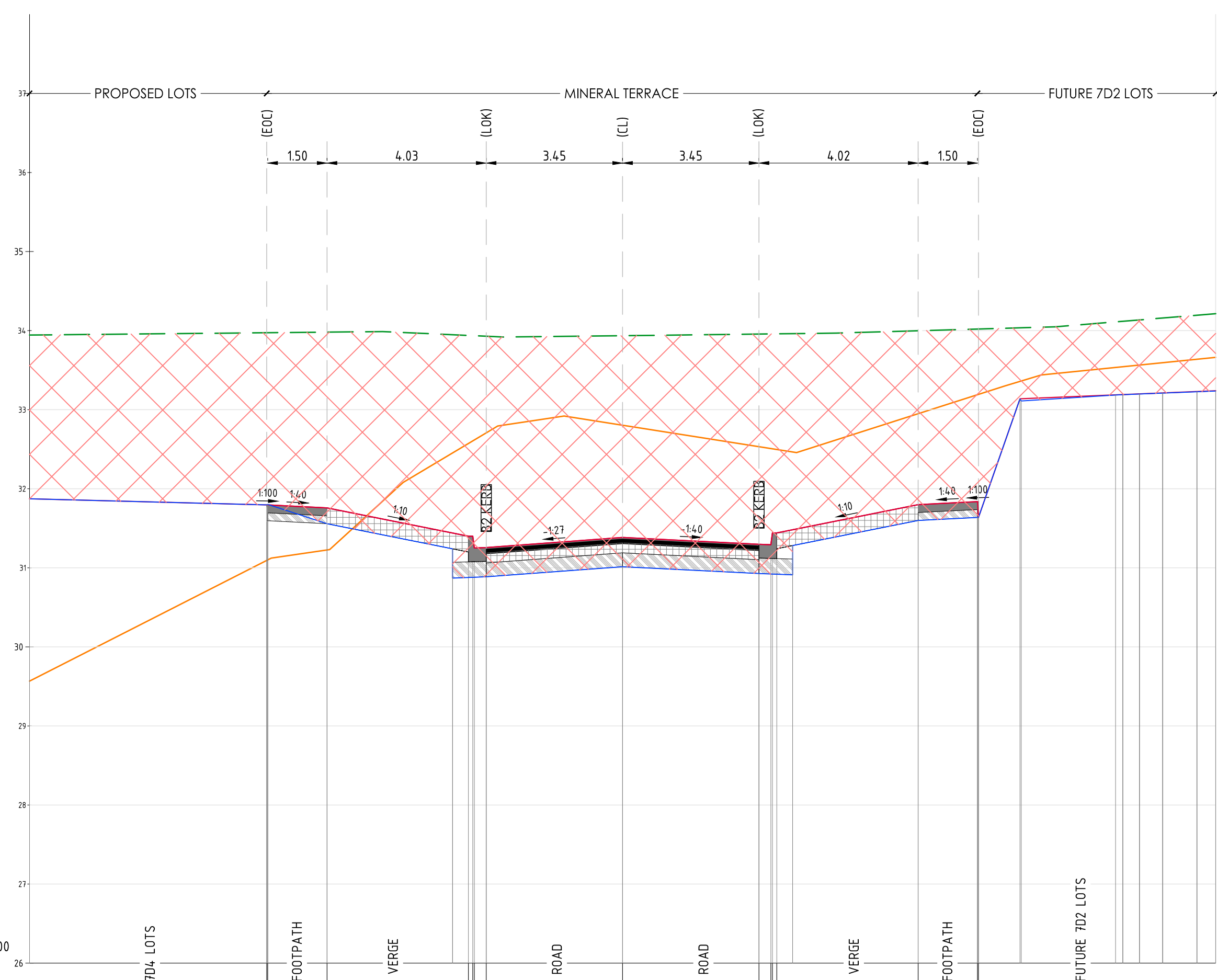
Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 5 OF 15)

Drawn By: EP
Checked By: VE
Drawn Scale: 1:100H, 1:50V @ A1
Date of first issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5104 | 0 |

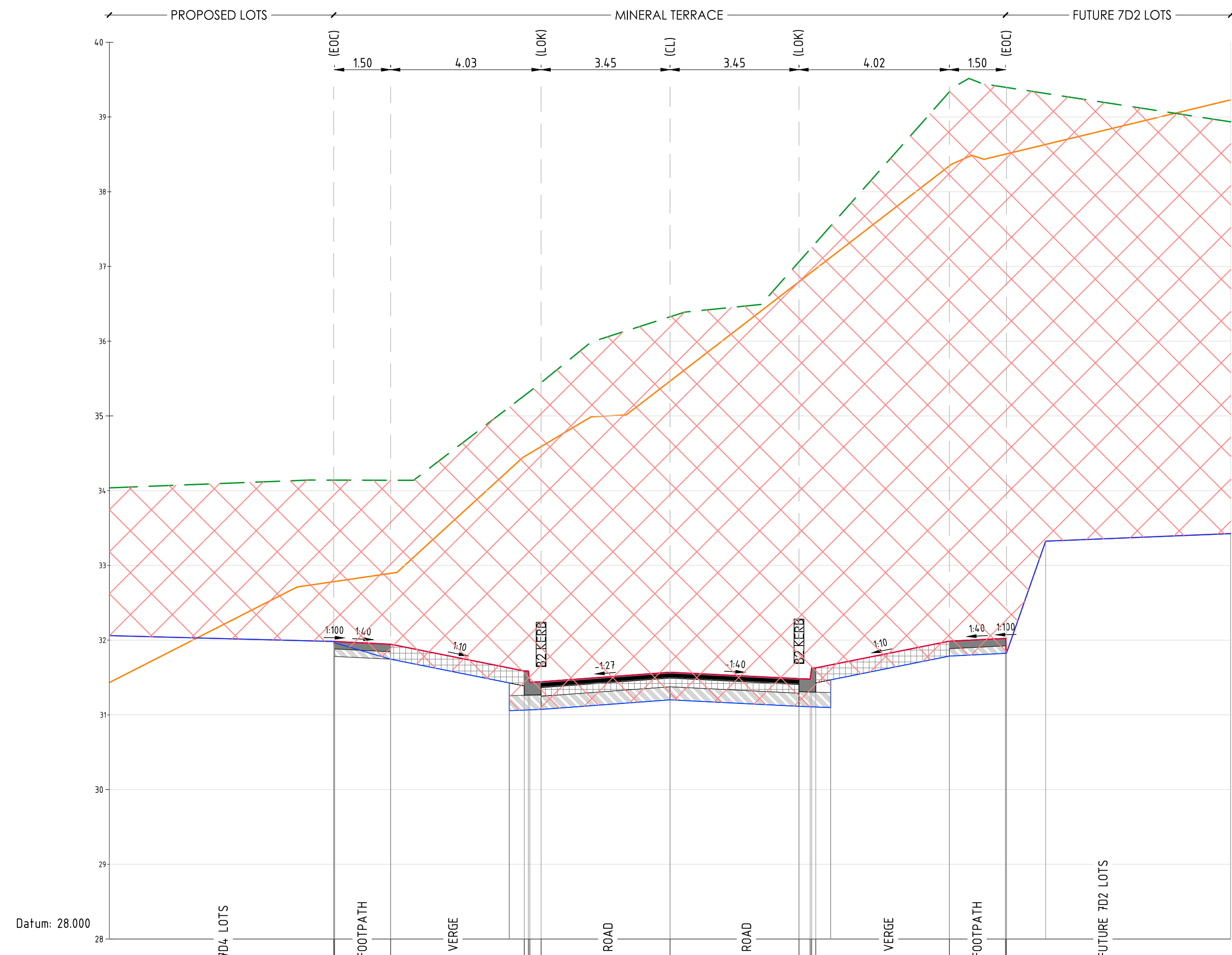
| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | EP | VE |

Disclaimer:
1. This drawing is copyright of CJ Arms. It must not be copied or reproduced without written consent from the owner.
2. Do not scale from this drawing. Only figured dimensions are to be taken from this drawing.
3. All contractors must visit site and be responsible for locating and checking all dimensions related to the works shown on the drawing prior to fabrication or setting out.



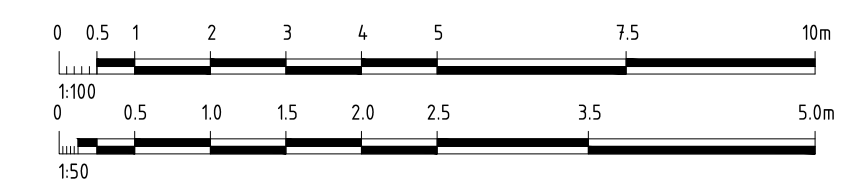
| DESIGN LEVEL | 31.80 | 31.80 | 31.76 | 31.40 | 31.40 | 31.25 | 31.26 | 31.38 | 31.30 | 31.29 | 31.44 | 31.44 | 31.80 | 31.84 | 31.84 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVEL | 33.97 | 33.97 | 33.98 | 33.94 | 33.94 | 33.94 | 33.93 | 33.94 | 33.56 | 33.96 | 33.96 | 33.96 | 34.00 | 34.02 | 34.02 |
| LEVEL DIFFERENCE | -2.18 | -2.18 | -2.22 | -2.54 | -2.54 | -2.69 | -2.67 | -2.55 | -2.66 | -2.67 | -2.52 | -2.52 | -2.20 | -2.18 | -2.18 |
| OFFSETS | -9.00 | -8.98 | -7.48 | -3.90 | -3.79 | -3.75 | -3.45 | 0.00 | 3.45 | 3.75 | 3.79 | 3.90 | 7.47 | 8.98 | 9.00 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 210.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | 31.98 | 31.98 | 31.94 | 31.59 | 31.59 | 31.44 | 31.44 | 31.57 | 31.48 | 31.48 | 31.63 | 31.63 | 31.99 | 32.02 | 32.02 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVEL | 34.14 | 34.14 | 34.14 | 35.27 | 35.31 | 35.33 | 35.45 | 36.23 | 37.06 | 37.23 | 37.25 | 37.63 | 39.34 | 39.40 | 39.40 |
| LEVEL DIFFERENCE | -2.16 | -2.16 | -2.19 | -3.68 | -3.73 | -3.89 | -4.00 | -4.76 | -5.58 | -5.75 | -5.63 | -5.69 | -7.35 | -7.37 | -7.37 |
| OFFSETS | -9.00 | -8.98 | -7.48 | -3.90 | -3.79 | -3.75 | -3.45 | 0.00 | 3.45 | 3.75 | 3.79 | 3.90 | 7.47 | 8.98 | 9.00 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 220.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Note for Contractors
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DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

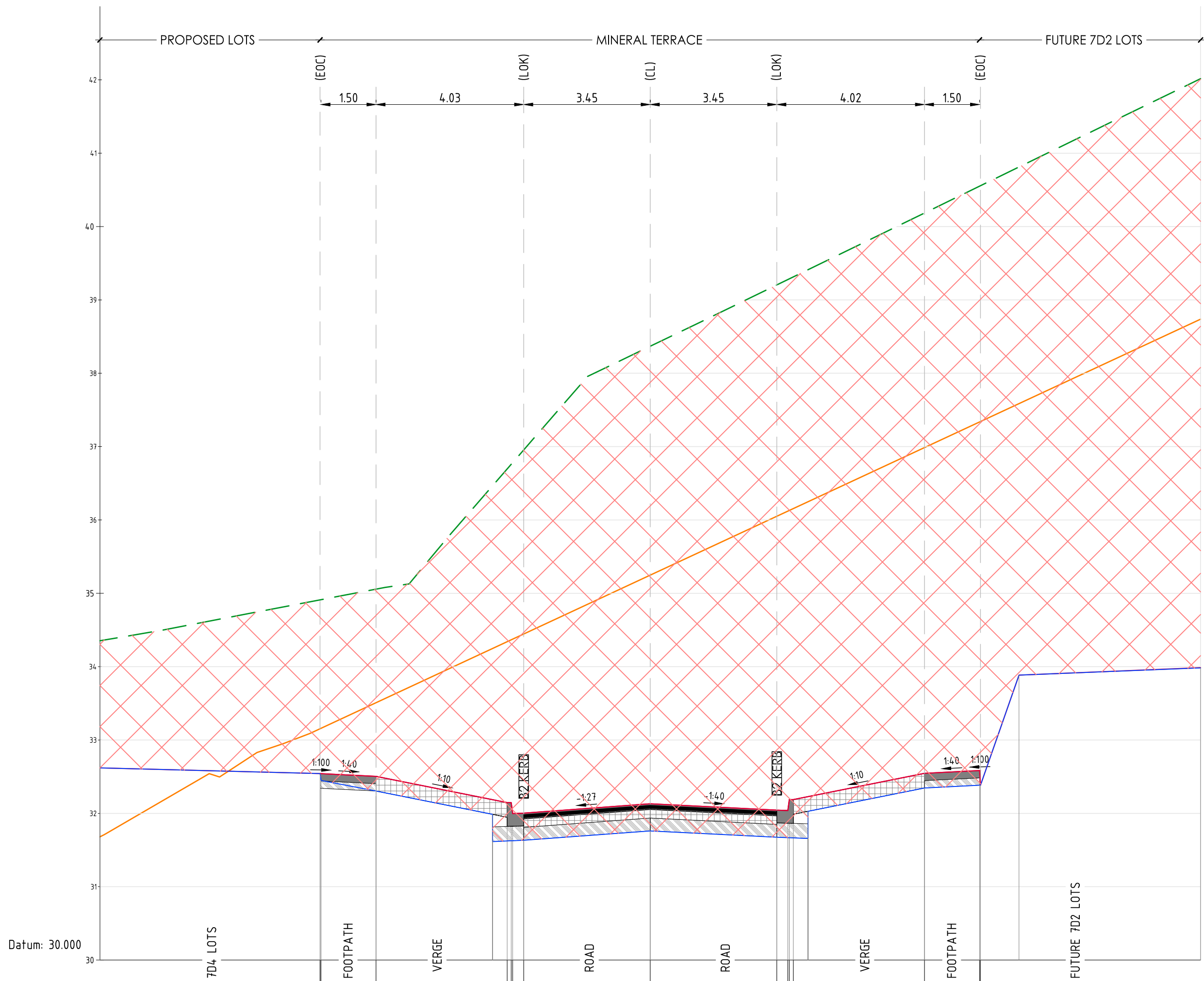
DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS).

FOR CONSTRUCTION

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Purpose of Draw: FOR CONSTRUCTION

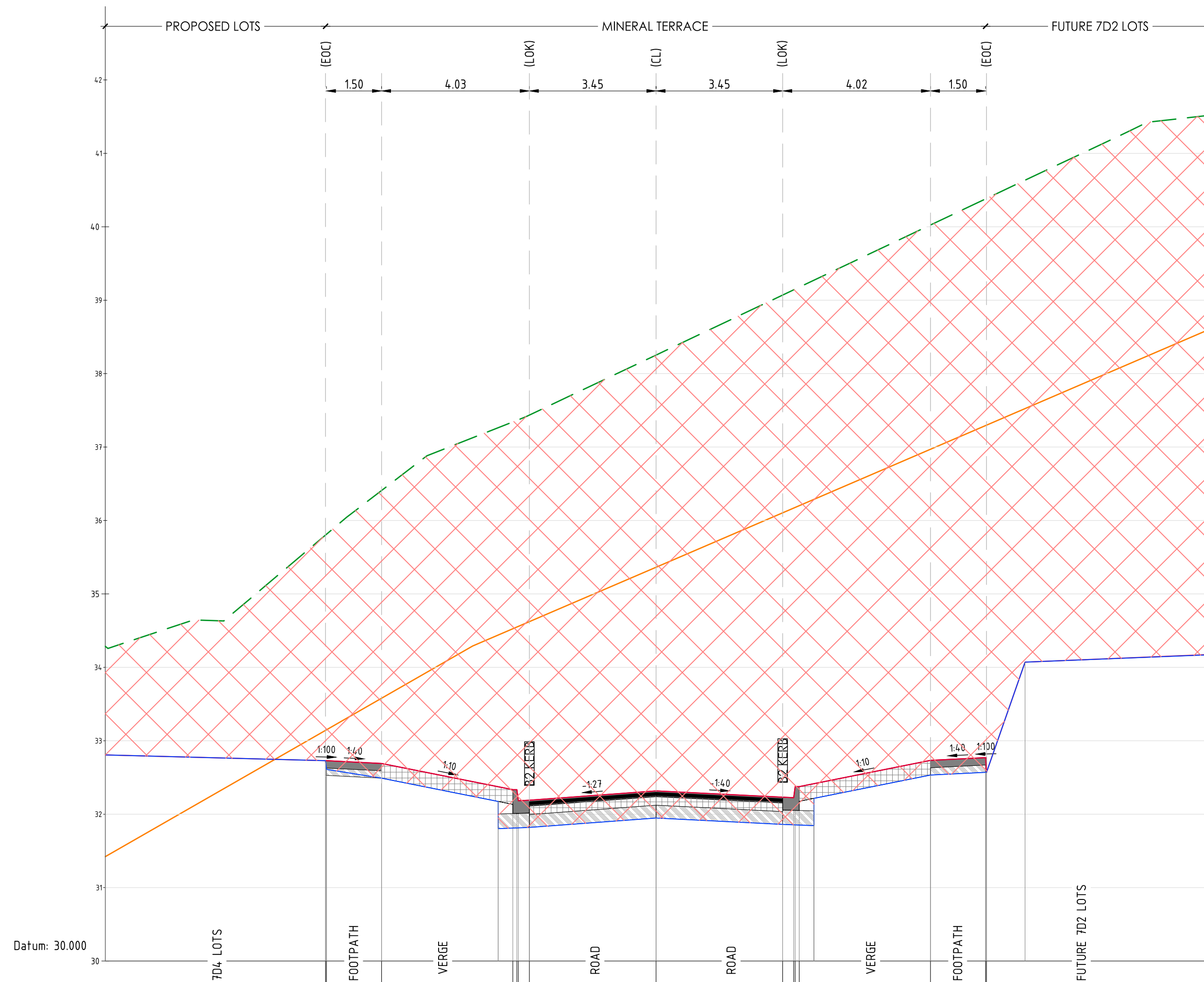
| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5105 | 0 |

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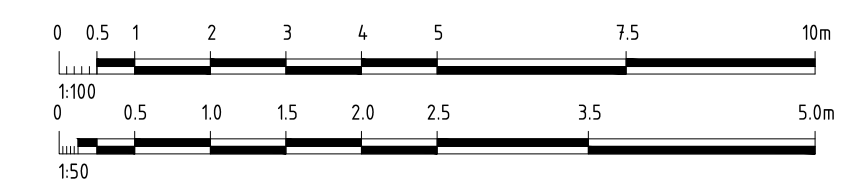
| DESIGN LEVEL | 32.54 | 32.54 | 32.50 | 32.15 | 32.15 | 32.00 | 32.13 | 32.04 | 32.04 | 32.19 | 32.19 | 32.58 | 32.58 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVEL | 34.91 | 34.91 | 35.06 | 36.70 | 36.76 | 36.78 | 38.37 | 39.20 | 39.28 | 39.29 | 39.31 | 40.55 | 40.56 |
| LEVEL DIFFERENCE | -2.37 | -2.37 | -2.55 | -4.55 | -4.61 | -4.78 | -6.24 | -7.16 | -7.24 | -7.10 | -7.13 | -7.97 | -7.97 |
| OFFSETS | -9.00 | -8.98 | -7.47 | -3.90 | -3.79 | -3.75 | 0.00 | 3.45 | 3.75 | 3.79 | 3.90 | 7.47 | 8.98 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 250.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | 32.73 | 32.73 | 32.69 | 32.33 | 32.33 | 32.18 | 32.32 | 32.23 | 32.22 | 32.37 | 32.37 | 32.73 | 32.77 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVEL | 35.80 | 35.81 | 36.41 | 37.34 | 37.36 | 37.37 | 38.25 | 39.07 | 39.14 | 39.15 | 39.18 | 40.02 | 40.38 |
| LEVEL DIFFERENCE | -3.07 | -3.08 | -3.72 | -5.01 | -5.03 | -5.19 | -5.94 | -6.84 | -6.92 | -6.78 | -6.80 | -7.29 | -7.61 |
| OFFSETS | -9.00 | -8.98 | -7.48 | -3.90 | -3.79 | -3.75 | 0.00 | 3.45 | 3.75 | 3.79 | 3.90 | 7.47 | 8.98 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 260.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | By | Checked |
|---------|----------|-------------------------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | |

Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

Be aware of UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).
 DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

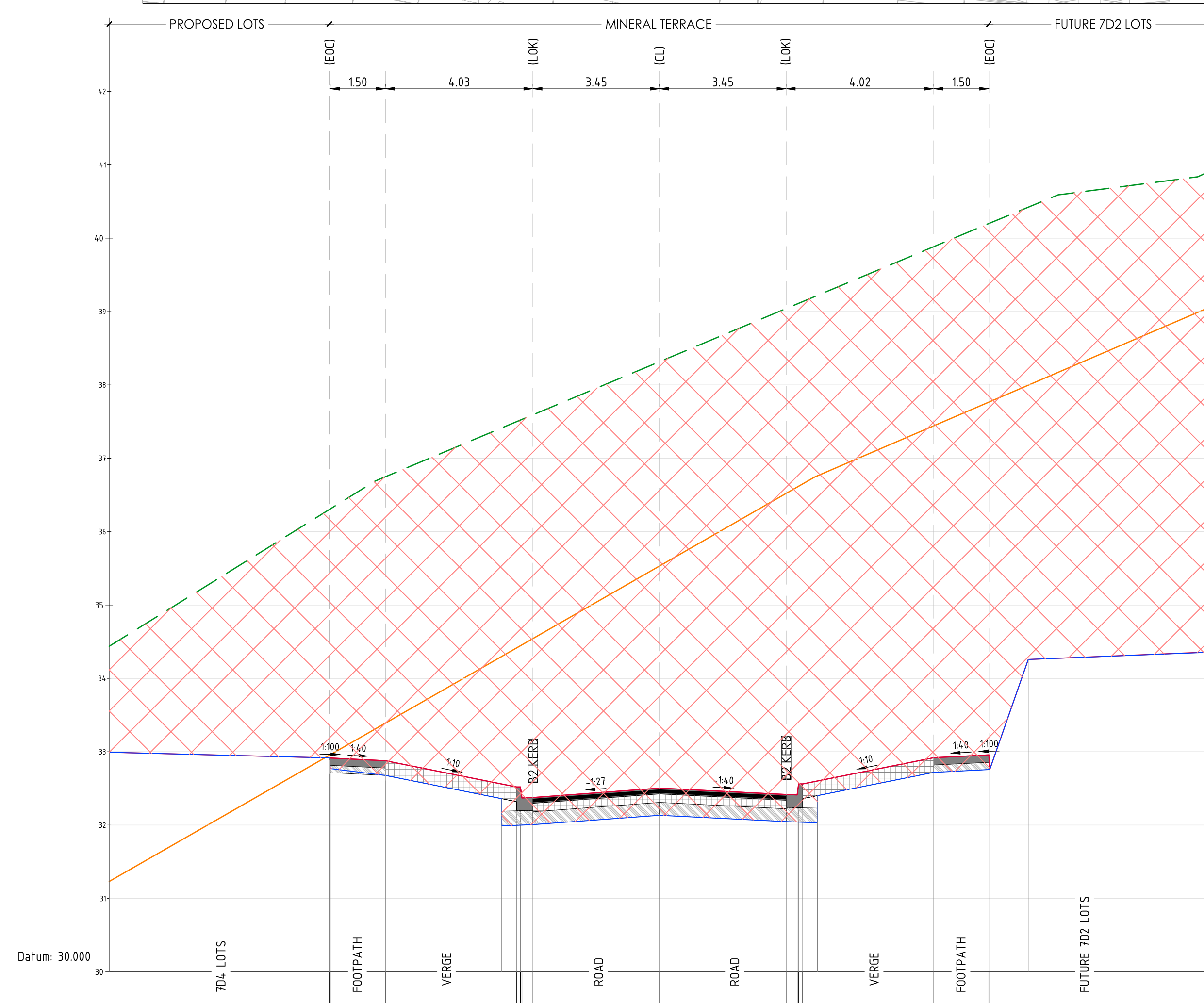
FOR CONSTRUCTION



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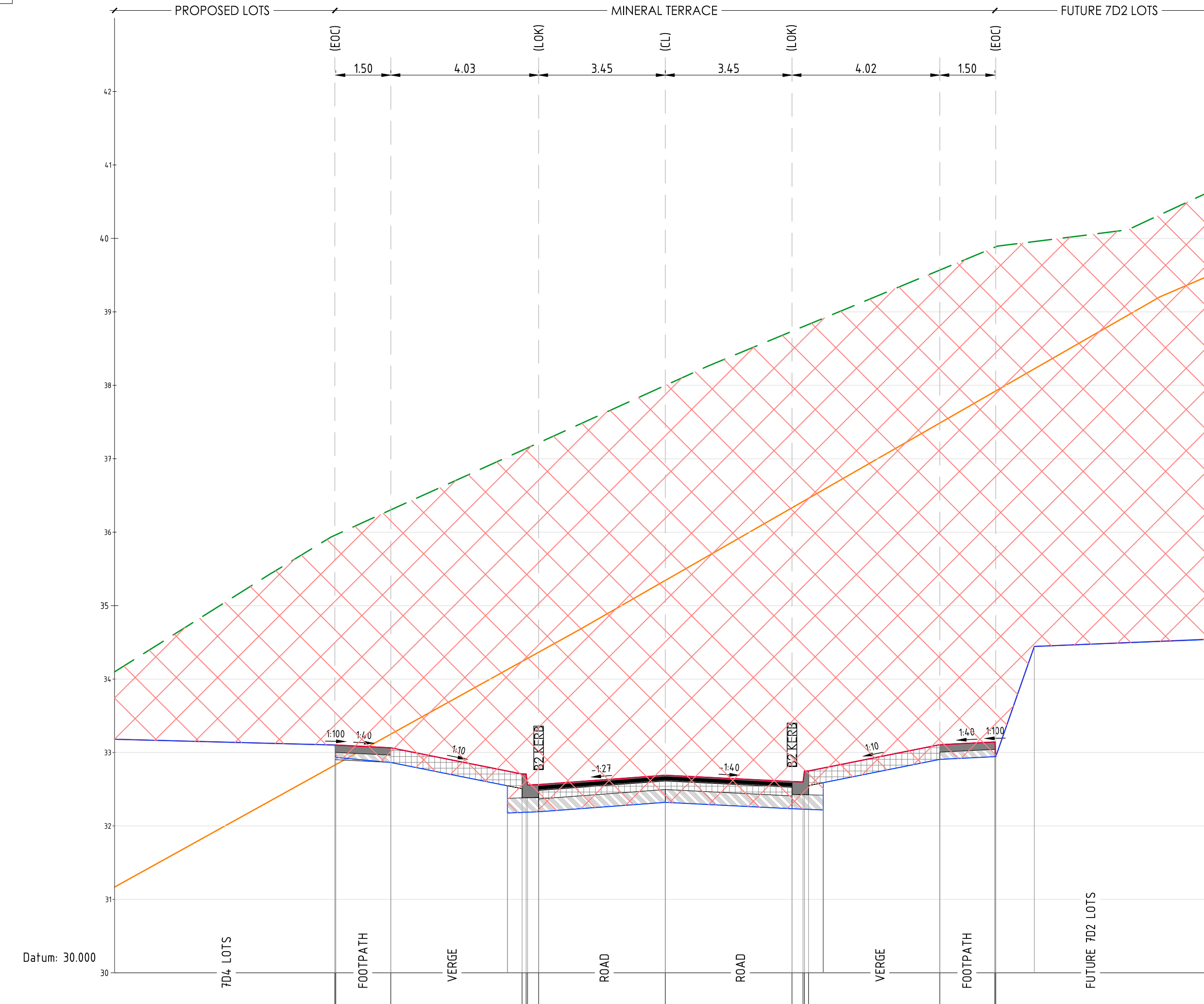
Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 8 OF 15)
For Construction

| Project Number | Origin | Zone | Level | File Type | Role | Number | Revision |
|----------------|--------|------|-------|-----------|------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5107 | 0 |



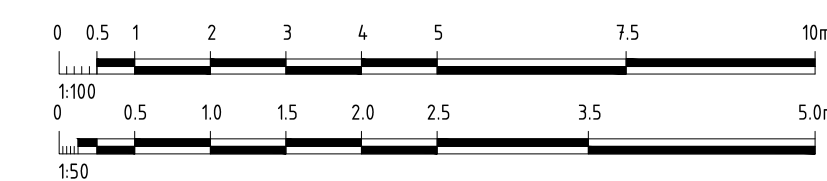
| | 150 | 4.03 | 3.45 | 3.45 | 4.02 | 150 |
|-------------------------|-----|------|------|------|------|-----|
| DESIGN LEVEL | | | | | | |
| EXISTING LEVEL | | | | | | |
| LEVEL DIFFERENCE | | | | | | |
| OFFSETS | | | | | | |

AL - MINERAL TERRACE - CL - HA CHAINAGE 270.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| | 150 | 4.03 | 3.45 | 3.45 | 4.02 | 150 |
|-------------------------|-----|------|------|------|------|-----|
| DESIGN LEVEL | | | | | | |
| EXISTING LEVEL | | | | | | |
| LEVEL DIFFERENCE | | | | | | |
| OFFSETS | | | | | | |

AL - MINERAL TERRACE - CL - HA CHAINAGE 280.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | By | Checked |
|---------|----------|-------------------------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | |

Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

Do not dig before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION



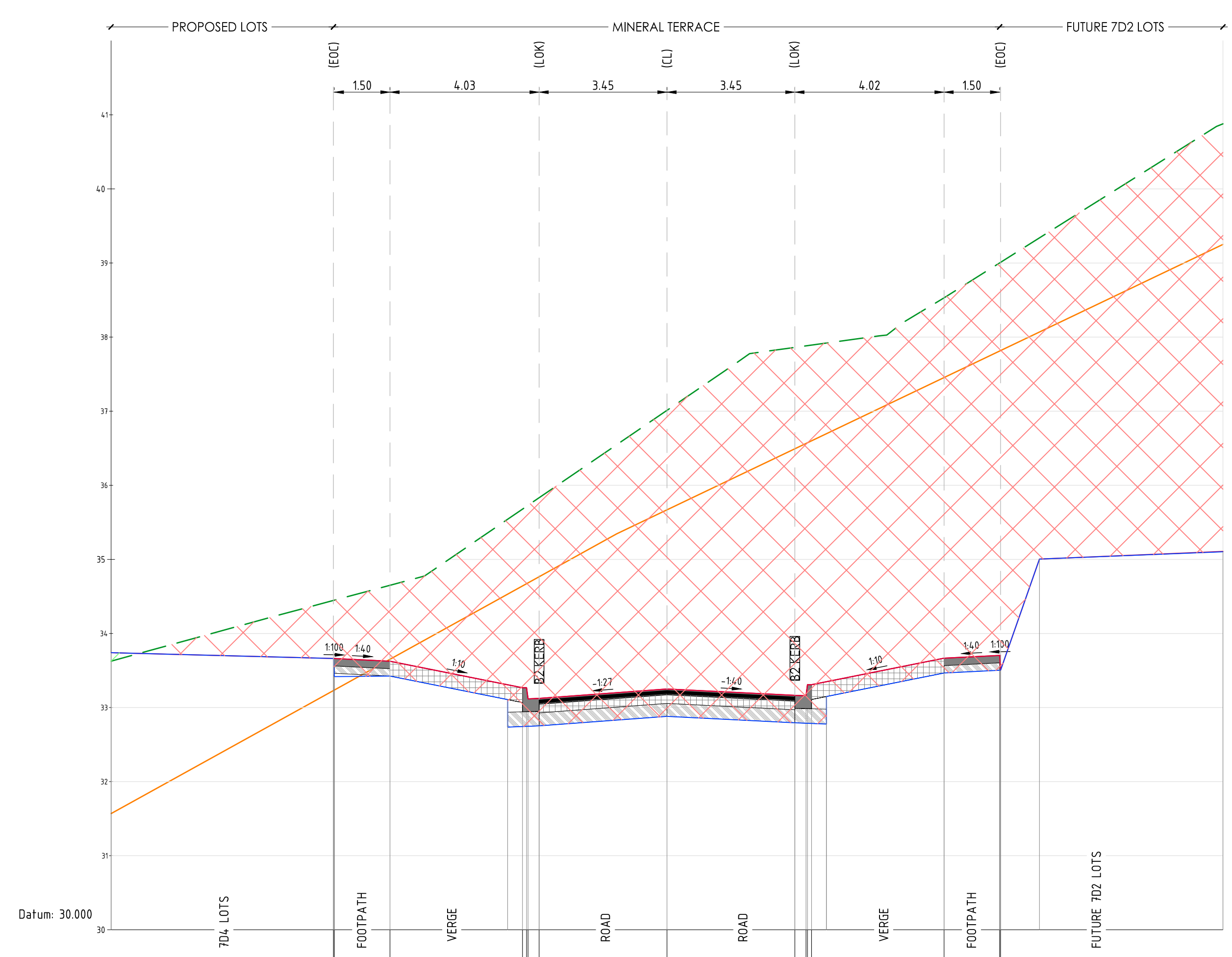
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T: +61 3 9285 2800 | F: +61 2 8234 8370 | E: info@cjarms.com | W: www.cjarms.com

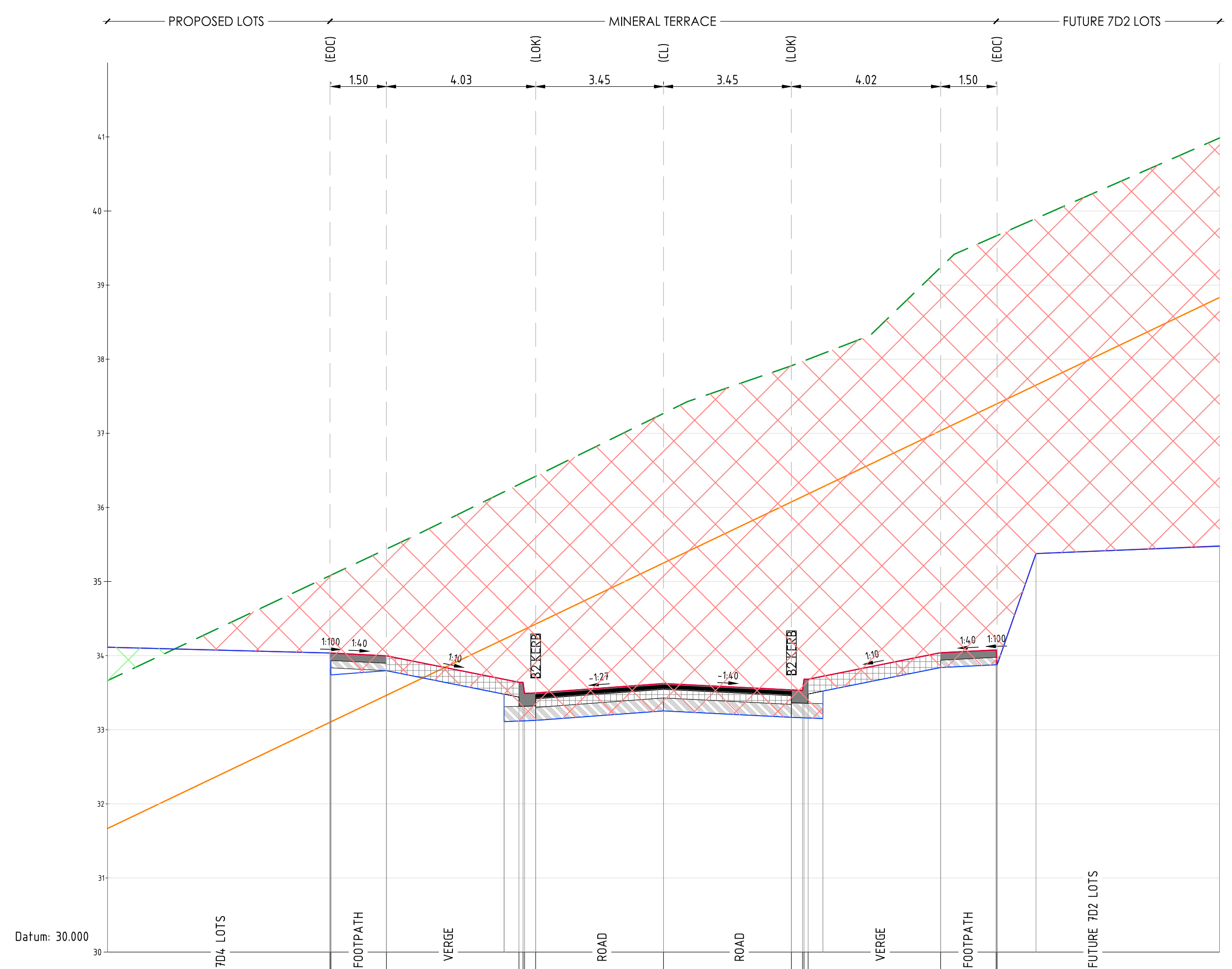
Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 9 OF 15)

Drawn By: BP
Checked By: TS
Drawn Scale: 1:100H-1:50V @ A1
Date of first issue: 18.09.23

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5108 | 0 |

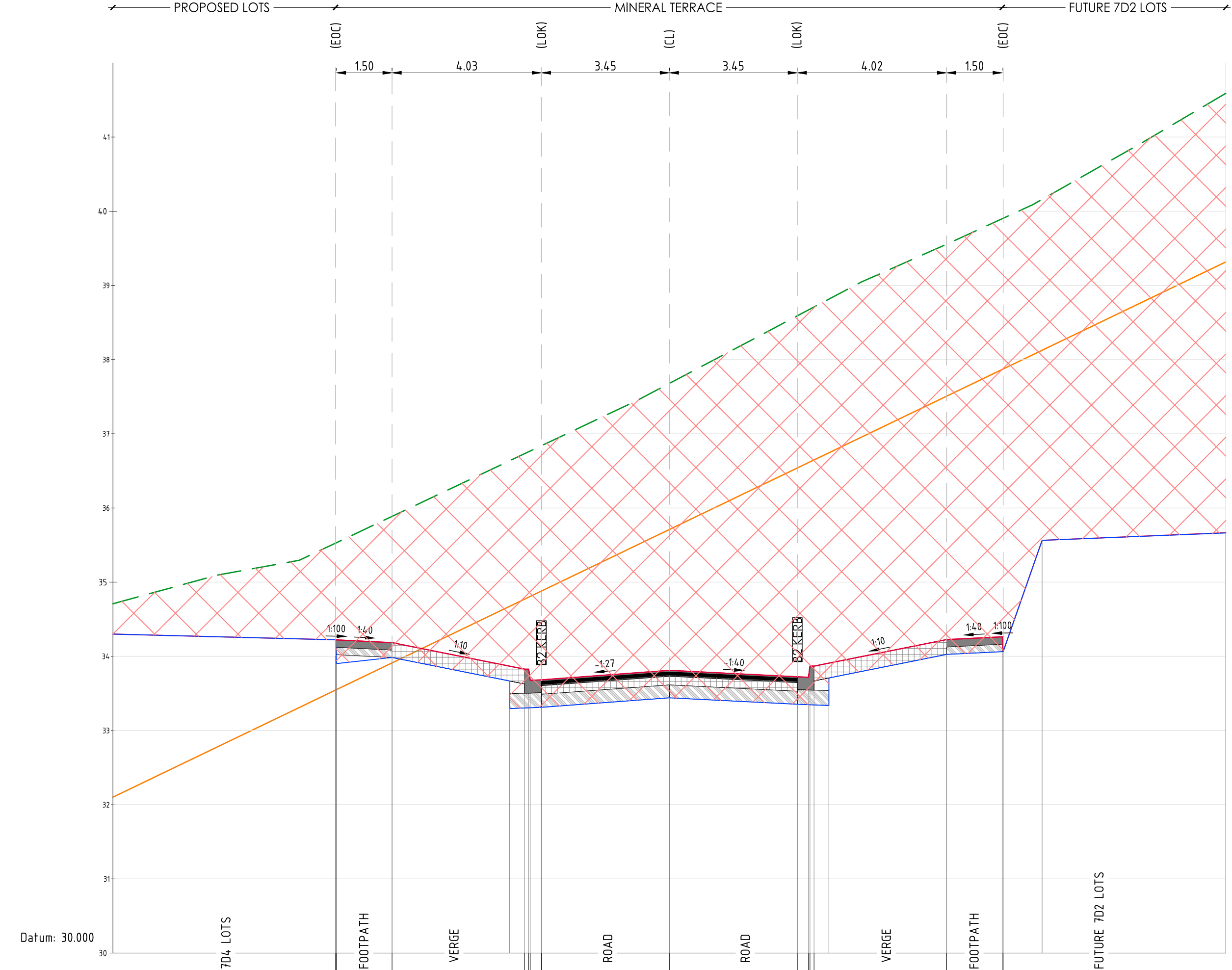


| | 0 | 150 | 150 | 193.5 | 193.5 | 237 | 237 | 280.5 | 280.5 | 324 | 324 | 367.5 | 367.5 | 411 | 411 | 454.5 | 454.5 | 498 | 498 | 541.5 | 541.5 | 585 | 585 | 628.5 | 628.5 | 672 | 672 | 715.5 | 715.5 | 759 | 759 | 802.5 | 802.5 | 846 | 846 | 889.5 | 889.5 | 933 | 933 | 976.5 | 976.5 | 1020 | 1020 | 1063.5 | 1063.5 | 1107 | 1107 | 1150.5 | 1150.5 | 1194 | 1194 | 1237.5 | 1237.5 | 1281 | 1281 | 1324.5 | 1324.5 | 1368 | 1368 | 1411.5 | 1411.5 | 1455 | 1455 | 1498.5 | 1498.5 | 1542 | 1542 | 1585.5 | 1585.5 | 1629 | 1629 | 1672.5 | 1672.5 | 1716 | 1716 | 1759.5 | 1759.5 | 1803 | 1803 | 1846.5 | 1846.5 | 1890 | 1890 | 1933.5 | 1933.5 | 1977 | 1977 | 2020.5 | 2020.5 | 2064 | 2064 | 2107.5 | 2107.5 | 2151 | 2151 | 2194.5 | 2194.5 | 2238 | 2238 | 2281.5 | 2281.5 | 2325 | 2325 | 2368.5 | 2368.5 | 2412 | 2412 | 2455.5 | 2455.5 | 2499 | 2499 | 2542.5 | 2542.5 | 2586 | 2586 | 2629.5 | 2629.5 | 2673 | 2673 | 2716.5 | 2716.5 | 2760 | 2760 | 2803.5 | 2803.5 | 2847 | 2847 | 2890.5 | 2890.5 | 2934 | 2934 | 2977.5 | 2977.5 | 3021 | 3021 | 3064.5 | 3064.5 | 3108 | 3108 | 3151.5 | 3151.5 | 3195 | 3195 | 3238.5 | 3238.5 | 3282 | 3282 | 3325.5 | 3325.5 | 3369 | 3369 | 3412.5 | 3412.5 | 3456 | 3456 | 3499.5 | 3499.5 | 3543 | 3543 | 3586.5 | 3586.5 | 3630 | 3630 | 3673.5 | 3673.5 | 3717 | 3717 | 3760.5 | 3760.5 | 3804 | 3804 | 3847.5 | 3847.5 | 3891 | 3891 | 3934.5 | 3934.5 | 3978 | 3978 | 4021.5 | 4021.5 | 4065 | 4065 | 4108.5 | 4108.5 | 4152 | 4152 | 4195.5 | 4195.5 | 4239 | 4239 | 4282.5 | 4282.5 | 4326 | 4326 | 4369.5 | 4369.5 | 4413 | 4413 | 4456.5 | 4456.5 | 4500 | 4500 | 4543.5 | 4543.5 | 4587 | 4587 | 4630.5 | 4630.5 | 4674 | 4674 | 4717.5 | 4717.5 | 4761 | 4761 | 4804.5 | 4804.5 | 4848 | 4848 | 4891.5 | 4891.5 | 4935 | 4935 | 4978.5 | 4978.5 | 5022 | 5022 | 5065.5 | 5065.5 | 5109 | 5109 | 5152.5 | 5152.5 | 5196 | 5196 | 5239.5 | 5239.5 | 5283 | 5283 | 5326.5 | 5326.5 | 5370 | 5370 | 5413.5 | 5413.5 | 5457 | 5457 | 5500.5 | 5500.5 | 5544 | 5544 | 5587.5 | 5587.5 | 5631 | 5631 | 5674.5 | 5674.5 | 5718 | 5718 | 5761.5 | 5761.5 | 5805 | 5805 | 5848.5 | 5848.5 | 5892 | 5892 | 5935.5 | 5935.5 | 5979 | 5979 | 6022.5 | 6022.5 | 6066 | 6066 | 6109.5 | 6109.5 | 6153 | 6153 | 6196.5 | 6196.5 | 6240 | 6240 | 6283.5 | 6283.5 | 6327 | 6327 | 6370.5 | 6370.5 | 6414 | 6414 | 6457.5 | 6457.5 | 6501 | 6501 | 6544.5 | 6544.5 | 6588 | 6588 | 6631.5 | 6631.5 | 6675 | 6675 | 6718.5 | 6718.5 | 6762 | 6762 | 6805.5 | 6805.5 | 6849 | 6849 | 6892.5 | 6892.5 | 6936 | 6936 | 6979.5 | 6979.5 | 7023 | 7023 | 7066.5 | 7066.5 | 7110 | 7110 | 7153.5 | 7153.5 | 7197 | 7197 | 7240.5 | 7240.5 | 7284 | 7284 | 7327.5 | 7327.5 | 7371 | 7371 | 7414.5 | 7414.5 | 7458 | 7458 | 7501.5 | 7501.5 | 7545 | 7545 | 7588.5 | 7588.5 | 7632 | 7632 | 7675.5 | 7675.5 | 7719 | 7719 | 7762.5 | 7762.5 | 7806 | 7806 | 7849.5 | 7849.5 | 7893 | 7893 | 7936.5 | 7936.5 | 7980 | 7980 | 8023.5 | 8023.5 | 8067 | 8067 | 8110.5 | 8110.5 | 8154 | 8154 | 8197.5 | 8197.5 | 8241 | 8241 | 8284.5 | 8284.5 | 8328 | 8328 | 8371.5 | 8371.5 | 8415 | 8415 | 8458.5 | 8458.5 | 8502 | 8502 | 8545.5 | 8545.5 | 8589 | 8589 | 8632.5 | 8632.5 | 8676 | 8676 | 8719.5 | 8719.5 | 8763 | 8763 | 8806.5 | 8806.5 | 8850 | 8850 | 8893.5 | 8893.5 | 8937 | 8937 | 8980.5 | 8980.5 | 9024 | 9024 | 9067.5 | 9067.5 | 9111 | 9111 | 9154.5 | 9154.5 | 9198 | 9198 | 9241.5 | 9241.5 | 9285 | 9285 | 9328.5 | 9328.5 | 9372 | 9372 | 9415.5 | 9415.5 | 9459 | 9459 | 9502.5 | 9502.5 | 9546 | 9546 | 9589.5 | 9589.5 | 9633 | 9633 | 9676.5 | 9676.5 | 9720 | 9720 | 9763.5 | 9763.5 | 9807 | 9807 | 9850.5 | 9850.5 | 9894 | 9894 | 9937.5 | 9937.5 | 9981 | 9981 | 10024.5 | 10024.5 | 10068 | 10068 | 10111.5 | 10111.5 | 10155 | 10155 | 10198.5 | 10198.5 | 10242 | 10242 | 10285.5 | 10285.5 | 10329 | 10329 | 10372.5 | 10372.5 | 10416 | 10416 | 10459.5 | 10459.5 | 10503 | 10503 | 10546.5 | 10546.5 | 10590 | 10590 | 10633.5 | 10633.5 | 10677 | 10677 | 10720.5 | 10720.5 | 10764 | 10764 | 10807.5 | 10807.5 | 10851 | 10851 | 10894.5 | 10894.5 | 10938 | 10938 | 10981.5 | 10981.5 | 11025 | 11025 | 11068.5 | 11068.5 | 11112 | 11112 | 11155.5 | 11155.5 | 11199 | 11199 | 11242.5 | 11242.5 | 11286 | 11286 | 11329.5 | 11329.5 | 11373 | 11373 | 11416.5 | 11416.5 | 11460 | 11460 | 11503.5 | 11503.5 | 11547 | 11547 | 11590.5 | 11590.5 | 11634 | 11634 | 11677.5 | 11677.5 | 11721 | 11721 | 11764.5 | 11764.5 | 11808 | 11808 | 11851.5 | 11851.5 | 11895 | 11895 | 11938.5 | 11938.5 | 11982 | 11982 | 12025.5 | 12025.5 | 12069 | 12069 | 12112.5 | 12112.5 | 12156 | 12156 | 12199.5 | 12199.5 | 12243 | 12243 | 12286.5 | 12286.5 | 12330 | 12330 | 12373.5 | 12373.5 | 12417 | 12417 | 12460.5 | 12460.5 | 12504 | 12504 | 12547.5 | 12547.5 | 12591 | 12591 | 12634.5 | 12634.5 | 12678 | 12678 | 12721.5 | 12721.5 | 12765 | 12765 | 12808.5 | 12808.5 | 12852 | 12852 | 12895.5 | 12895.5 | 12939 | 12939 | 12982.5 | 12982.5 | 13026 | 13026 | 13069.5 | 13069.5 | 13113 | 13113 | 13156.5 | 13156.5 | 13200 | 13200 | 13243.5 | 13243.5 | 13287 | 13287 | 13330.5 | 13330.5 | 13374 | 13374 | 13417.5 | 13417.5 | 13461 | 13461 | 13504.5 | 13504.5 | 13548 | 13548 | 13591.5 | 13591.5 | 13635 | 13635 | 13678.5 | 13678.5 | 13722 | 13722 | 13765.5 | 13765.5 | 13809 | 13809 | 13852.5 | 13852.5 | 13896 | 13896 | 13939.5 | 13939.5 | 13983 | 13983 | 14026.5 | 14026.5 | 14070 | 14070 | 14113.5 | 14113.5 | 14157 | 14157 | 14200.5 | 14200.5 | 14244 | 14244 | 14287.5 | 14287.5 | 14331 | 14331 | 14374.5 | 14374.5 | 14418 | 14418 | 14461.5 | 14461.5 | 14505 | 14505 | 14548.5 | 14548.5 | 14592 | 14592 | 14635.5 | 14635.5 | 14679 | 14679 | 14722.5 | 14722.5 | 14766 | 14766 | 14809.5 | 14809.5 | 14853 | 14853 | 14896.5 | 14896.5 | 14940 | 14940 | 14983.5 | 14983.5 | 15027 | 15027 | 15070.5 | 15070.5 | 15114 | 15114 | 15157.5 | 15157.5 | 15201 | 15201 | 15244.5 | 15244.5 | 15288 | 15288 | 15331.5 | 15331.5 | 15375 | 15375 | 15418.5 | 15418.5 | 15462 | 15462 | 15505.5 | 15505.5 | 15549 | 15549 | 15592.5 | 15592.5 | 15636 | 15636 | 15679.5 | 15679.5 | 15723 | 15723 | 15766.5 | 15766.5 | 15810 | 15810 | 15853.5 | 15853.5 | 15897 | 15897 | 15940.5 | 15940.5 | 15984 | 15984 | 16027.5 | 16027.5 | 16071 | 16071 | 16114.5 | 16114.5 | 16158 | 16158 | 16201.5 | 16201.5 | 16245 | 16245 | 16288.5 | 16288.5 | 16332 | 16332 | 16375.5 | 16375.5 | 16419 | 16419 | 16462.5 | 16462.5 | 16506 | 16506 | 16549.5 | 16549.5 | 16593 | 16593 | 16636.5 | 16636.5 | 16680 | 16680 | 16723.5 | 16723.5 | 16767 | 16767 | 16810.5 | 16810.5 | 16854 | 16854 | 16897.5 | 16897.5 | 16941 | 16941 | 16984.5 | 16984.5 | 17028 | 17028 | 17071.5 | 17071.5 | 17115 | 17115 | 17158.5 | 17158.5 | 17202 | 17202 | 17245.5 | 17245.5 | 17289 | 17289 | 17332.5 | 17332.5 | 17376 | 17376 | 17419.5 | 17419.5 | 17463 | 17463 | 17506.5 | 17506.5 | 17550 | 17550 | 17593.5 | 17593.5 | 17637 | 17637 | 17680.5 | 17680.5 | 17724 | 17724 | 17767.5 | 17767.5 | 17811 | 17811 | 17854.5 | 17854.5 | 17898 | 17898 | 17941.5 | 17941.5 | 17985 | 17985 | 18028.5 | 18028.5 | 18072 | 18072 | 18115.5 | 18115.5 | 18159 | 18159 | 18202.5 | 18202.5 | 18246 | 18246 | 18289.5 | 18289.5 | 18333 | 18333 | 18376.5 | 18376.5 | 18420 | 18420 | 18463.5 | 18463.5 | 18507 | 18507 | 18550.5 | 18550.5 | 18594 | 18594 | 18637.5 | 18637.5 | 18681 | 18681 | 18724.5 | 18724.5 | 18768 | 18768 | 18811.5 | 18811.5 | 18855 | 18855 | 18898.5 | 18898.5 | 18942 | 18942 | 18985.5 | 18985.5 | 19029 | 19029 | 19072.5 | 19072.5 | 19116 | 19116 | 19159.5 | 19159.5 | 19203 | 19203 | 19246.5 | 19246.5 | 19290 | 19290 | 19333.5 | 19333.5 | 19377 | 19377 | 19420.5 | 19420.5 | 19464 | 19464 | 19507.5 | 19507.5 | 19551 | 19551 | 19594.5 | 19594.5 | 19638 | 19638 | 19681.5 | 19681.5 | 19725 | 19725 | 19768.5 | 19768.5 | 19812 | 19812 | 19855.5 | 19855.5 | 19899 | 19899 | 19942.5 | 19942.5 | 19986 | 19986 | 20029.5 | 20029.5 | 20073 | 20073 | 20116.5 | 20116.5 | 20160 | 20160 | 20203.5 | 20203.5 | 20247 | 20247 | 20290.5 | 20290.5 | 20334 | 20334 | 20377.5 | 20377.5 | 20421 | 20421 | 20464.5 | 20464.5 | 20508 | 20508 | 20551.5 | 20551.5 | 20595 | 20595 | 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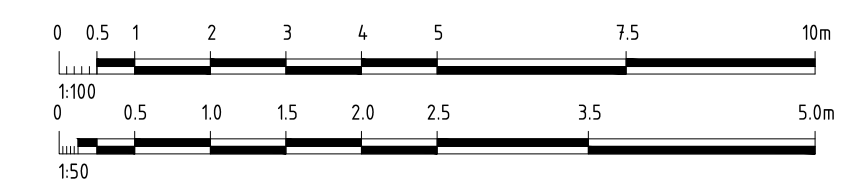
| | 150 | 4.03 | 3.45 | 3.45 | 4.02 | 150 |
|------------------|-------|-------|-------|-------|-------|-------|
| DESIGN LEVEL | 34.04 | 34.04 | 34.00 | 34.00 | 34.04 | 34.08 |
| EXISTING LEVEL | 35.08 | 35.09 | 35.44 | 35.44 | 37.27 | 39.24 |
| LEVEL DIFFERENCE | -1.04 | -1.05 | -1.44 | -1.44 | -3.23 | -5.16 |
| OFFSETS | -9.00 | -8.98 | -7.18 | -3.90 | -3.75 | -3.75 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 330.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| | 150 | 4.03 | 3.45 | 3.45 | 4.02 | 150 |
|------------------|-------|-------|-------|-------|-------|-------|
| DESIGN LEVEL | 34.22 | 34.22 | 34.18 | 34.18 | 34.22 | 34.26 |
| EXISTING LEVEL | 35.53 | 35.53 | 35.89 | 35.89 | 37.68 | 39.56 |
| LEVEL DIFFERENCE | -1.30 | -1.31 | -1.70 | -1.70 | -3.46 | -5.34 |
| OFFSETS | -9.00 | -8.98 | -7.47 | -3.90 | -3.75 | -3.75 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 340.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | By | Checked |
|---------|----------|----------------------|---------|
| 0 | 18.09.23 | ESD FOR CONSTRUCTION | BP |

Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

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Dial before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION



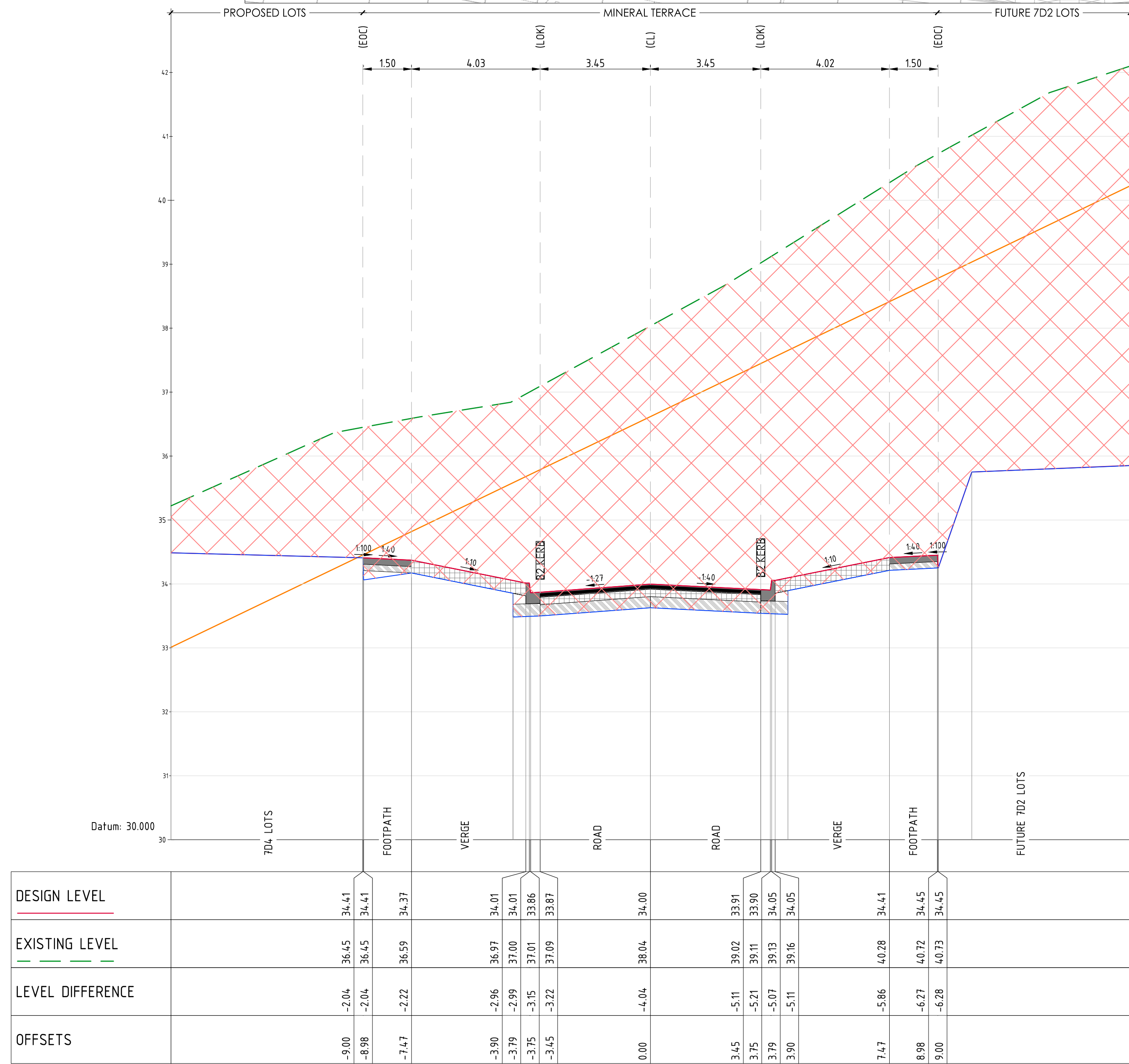
CIVIL SITWORKS
MELBOURNE SYDNEY
T: +61 3 9285 2800 | F: +61 2 8234 8370 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 12 OF 15)

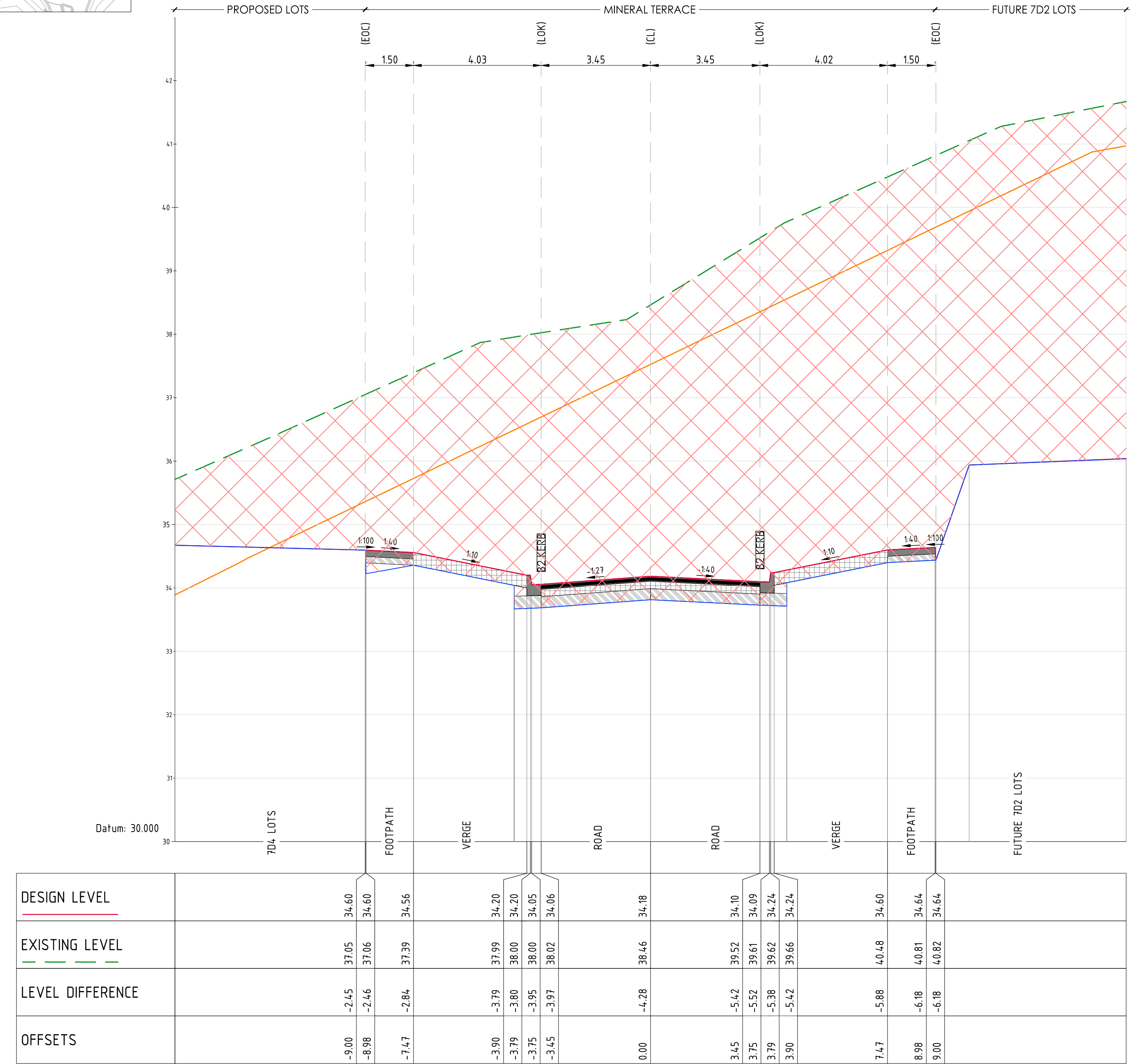
Drawn By: BP
Checked By: TS
Drawn Scale: 1:100
Date of Issue: 18.09.23

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5111 | 0 |

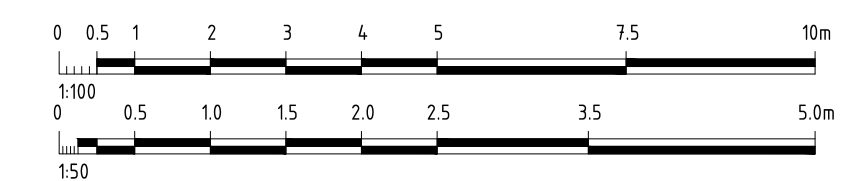
www.cjarms.com



AL - MINERAL TERRACE - CL - HA CHAINAGE 350.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



AL - MINERAL TERRACE - CL - HA CHAINAGE 360.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Disclaimer:
1. This drawing is copyright of CJ Arms. It must not be copied or reproduced without written consent from the owner.
2. Do not scale from this drawing. Only figured dimensions are to be taken from this drawing.
3. All contractors must call site and be responsible for locating and checking all dimensions related to the works shown on the drawing prior to fabrication or setting out.

Note for Contractors
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DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).

DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS)

FOR CONSTRUCTION

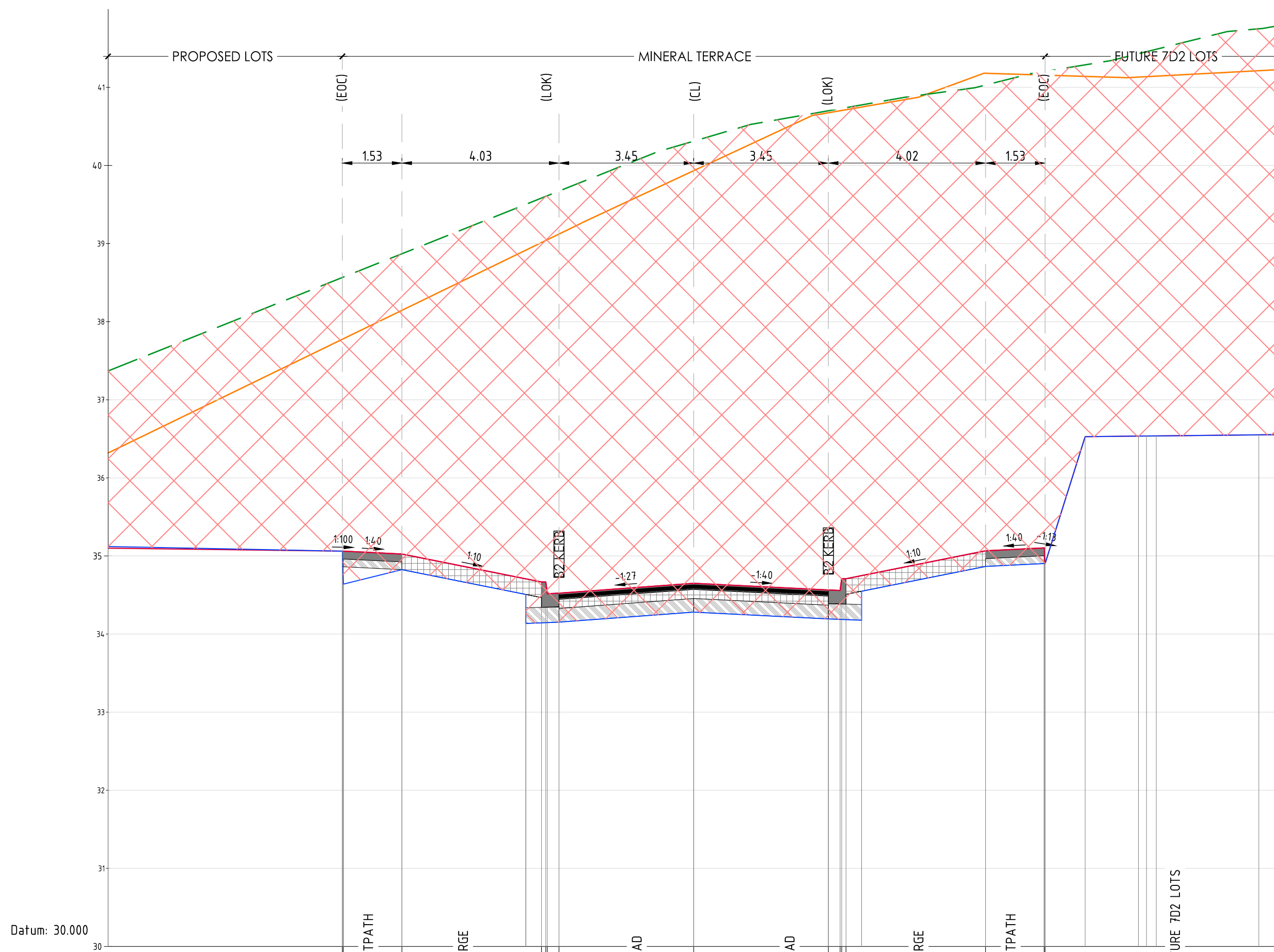
MELBOURNE SYDNEY
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Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CROSS SECTIONS - MINERAL TERRACE (SHEET 13 OF 15)

| | | | |
|--------------|----------------|------------------------------|-------------------------------|
| Drawn By: BP | Checked By: TS | Drawn Scale: 1:100/1:50/1:50 | Date of first issue: 18.09.23 |
|--------------|----------------|------------------------------|-------------------------------|

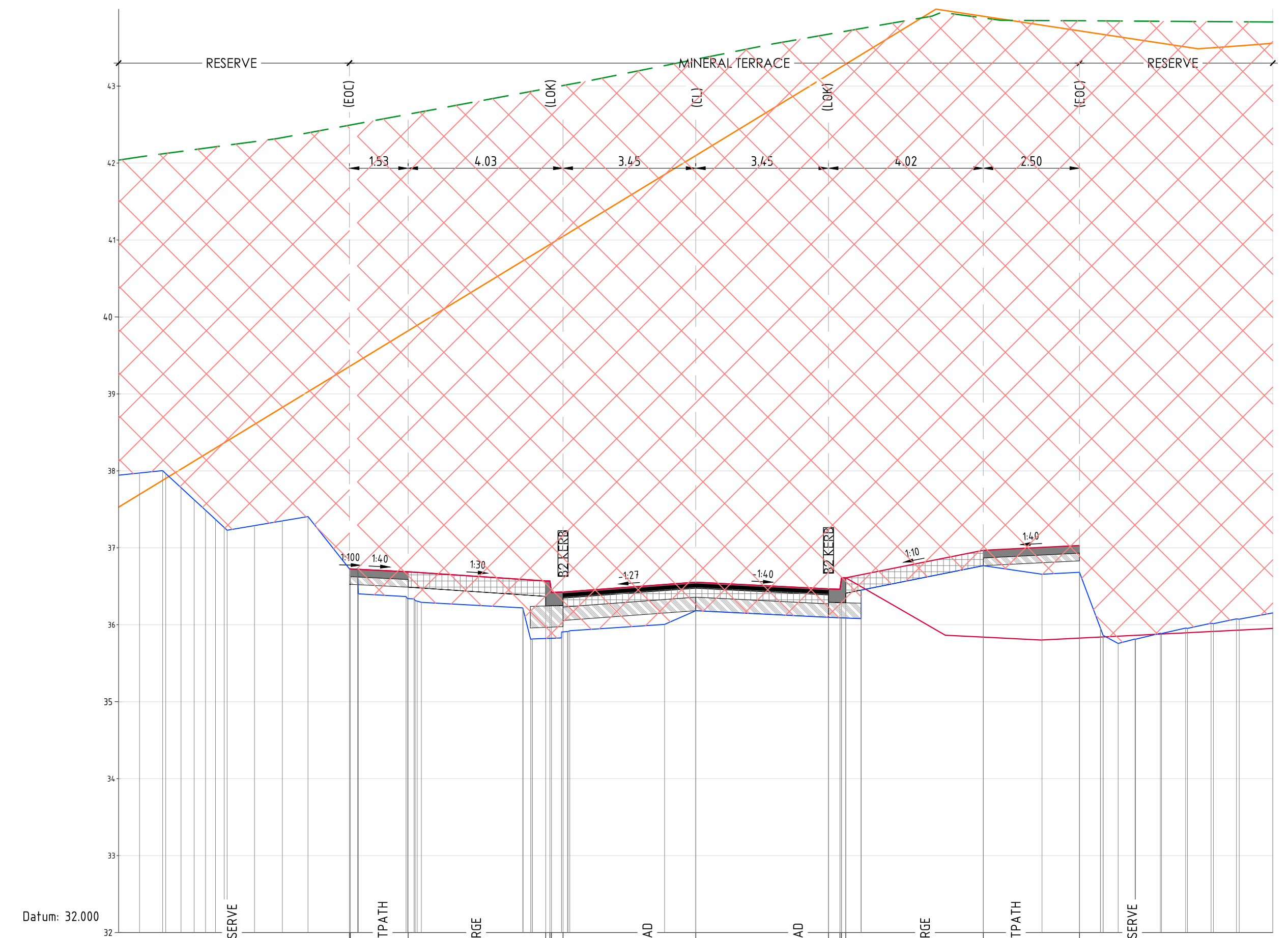
| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5112 | 0 |

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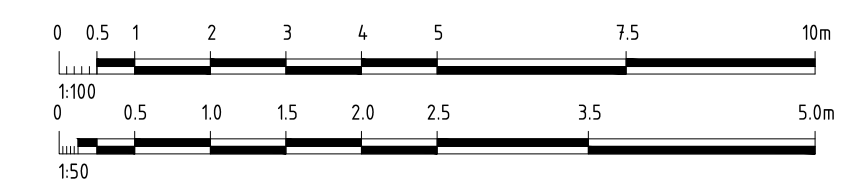
| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 35.06 | 38.57 | -3.50 | -9.00 |
| 35.06 | 38.57 | -3.51 | -8.98 |
| 35.02 | 38.87 | -3.85 | -7.48 |
| 34.67 | 39.58 | -4.92 | -3.90 |
| 34.67 | 39.60 | -4.94 | -3.79 |
| 34.52 | 39.61 | -5.10 | -3.75 |
| 34.52 | 39.67 | -5.15 | -3.45 |
| 34.65 | 40.31 | -5.66 | 0.00 |
| 34.56 | 40.70 | -6.14 | 3.45 |
| 34.56 | 40.73 | -6.17 | 3.75 |
| 34.71 | 40.73 | -6.02 | 3.79 |
| 34.71 | 40.74 | -6.03 | 3.90 |
| 35.07 | 41.03 | -5.96 | 7.47 |
| 35.10 | 41.20 | -6.10 | 8.98 |
| 35.10 | 41.21 | -6.10 | 9.00 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 385.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



| DESIGN LEVEL | EXISTING LEVEL | LEVEL DIFFERENCE | OFFSETS |
|--------------|----------------|------------------|---------|
| 36.73 | 42.49 | -5.77 | -9.00 |
| 36.73 | 42.49 | -5.77 | -8.97 |
| 36.69 | 42.63 | -5.95 | -7.48 |
| 36.57 | 42.97 | -6.40 | -3.90 |
| 36.57 | 42.98 | -6.41 | -3.79 |
| 36.42 | 42.98 | -6.56 | -3.75 |
| 36.43 | 43.01 | -6.58 | -3.45 |
| 36.55 | 43.25 | -6.70 | 0.00 |
| 36.47 | 43.67 | -7.21 | 3.45 |
| 36.46 | 43.70 | -7.24 | 3.75 |
| 36.61 | 43.70 | -7.09 | 3.79 |
| 36.61 | 43.71 | -7.10 | 3.90 |
| 36.97 | 43.89 | -6.92 | 7.47 |
| 37.03 | 43.85 | -6.82 | 9.97 |

AL - MINERAL TERRACE - CL - HA CHAINAGE 418.00
SCALE HORIZ. 1:100
SCALE VERT. 1:50 (X2)



Note for Contractors
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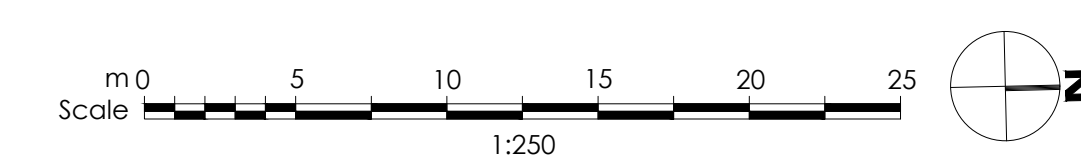
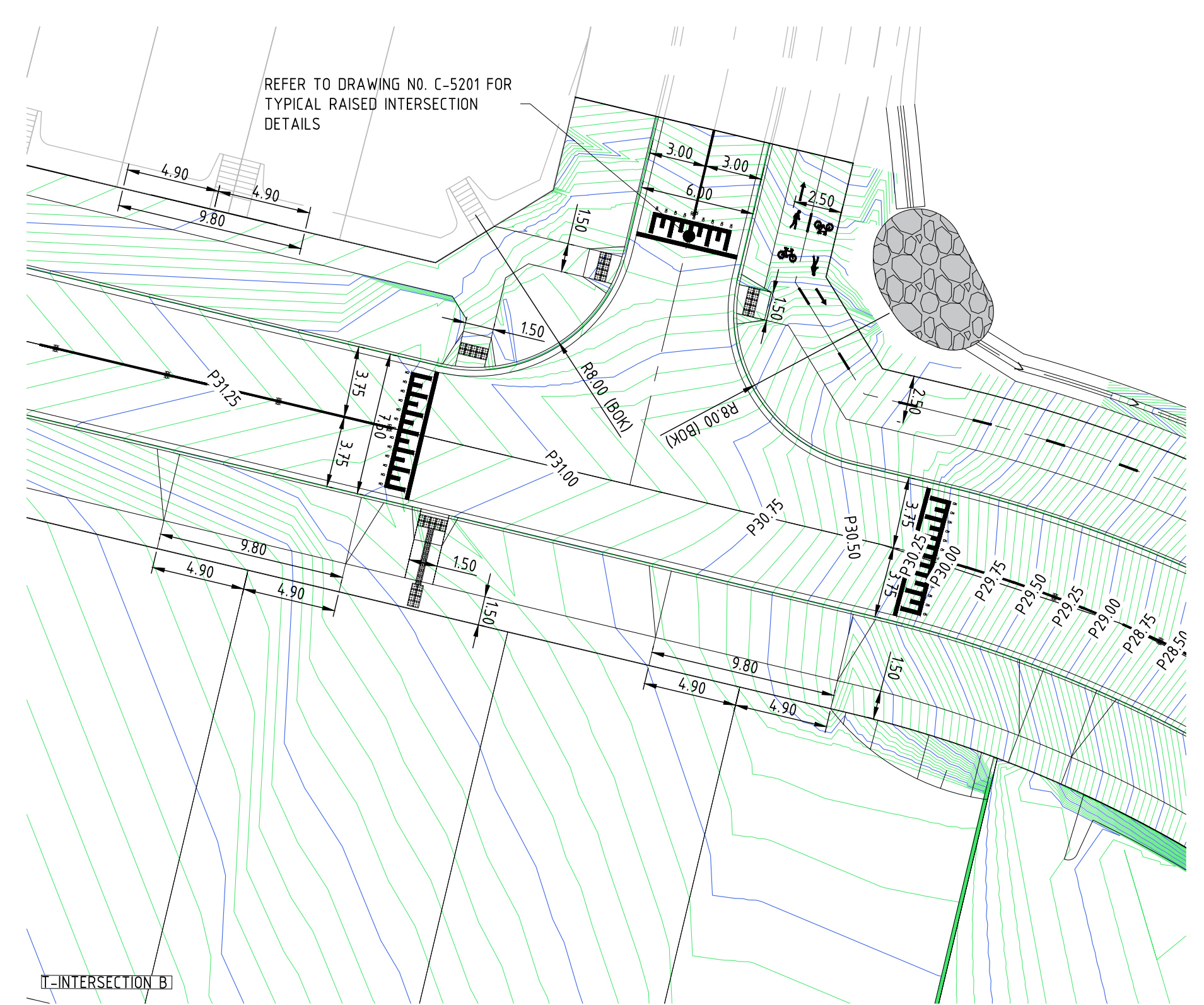
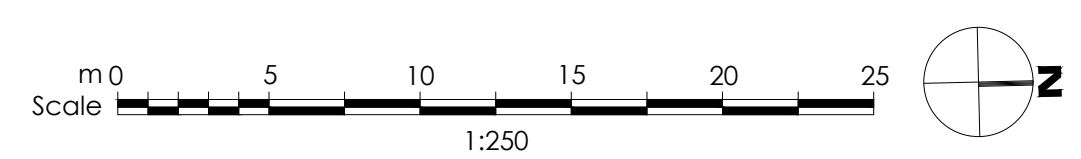
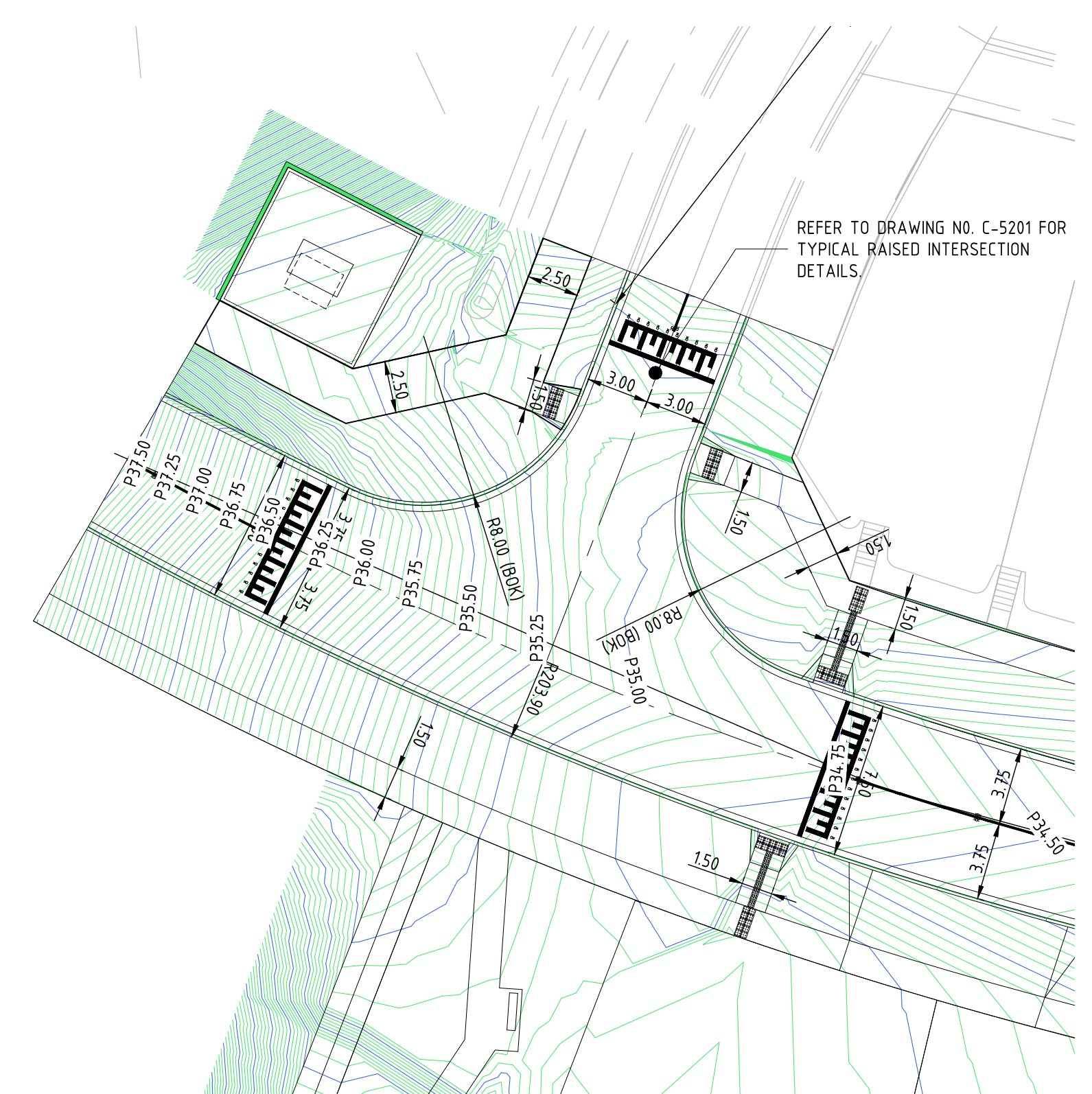
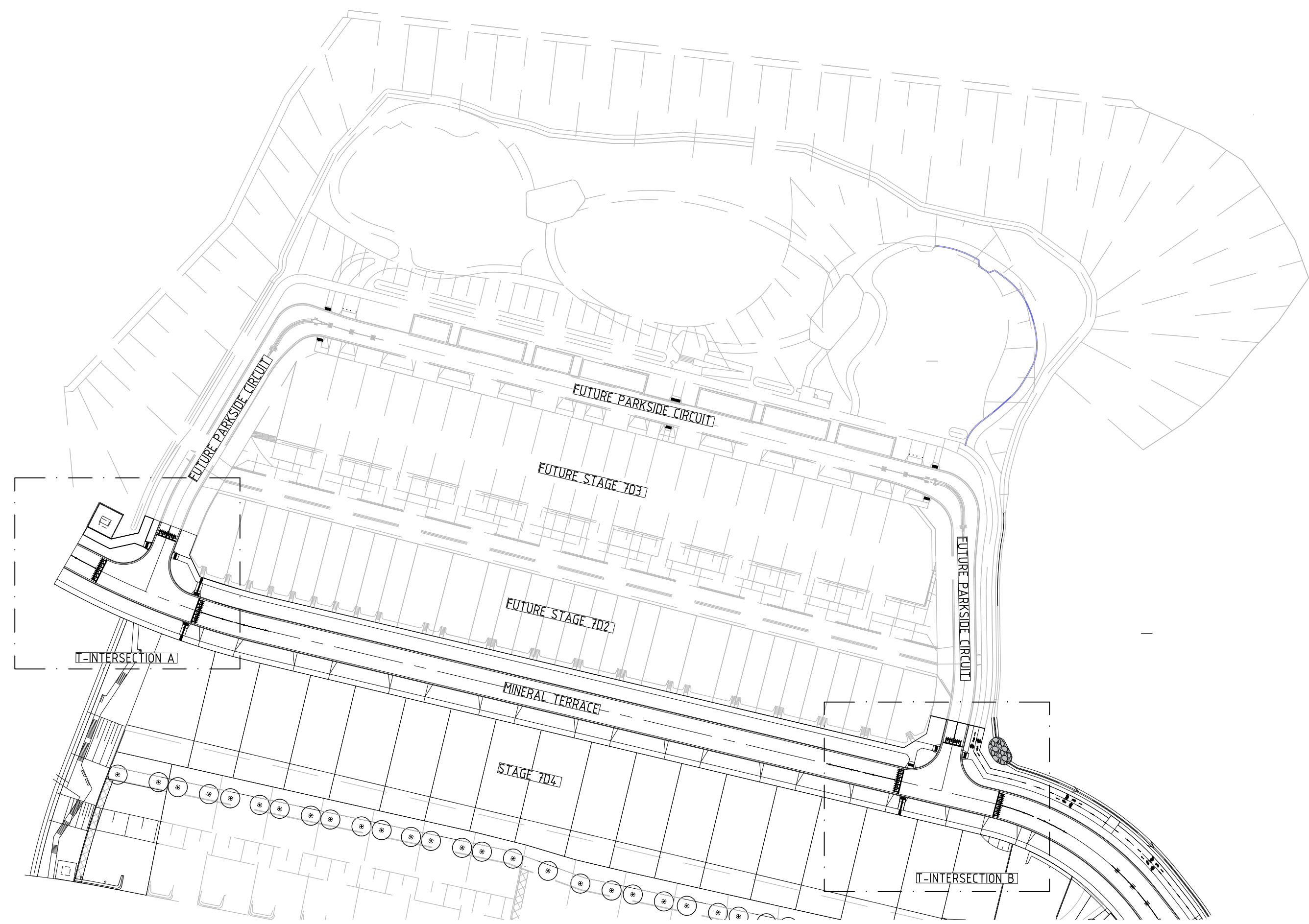
DENOTES ENGINEERED FILL TO T+T TYPE 2 SPECIFICATION (1000780.1000.S1REV4) AND PREPARED UNDER LEVEL 1 SUPERVISION. (AS PART OF EARLY WORKS).
 DENOTES EXTENT OF CUT (AS PART OF EARLY WORKS).

FOR CONSTRUCTION

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
For Construction

| Project Number | Origin | Zone | Level | File Type | Role | Number | Revision |
|----------------|--------|------|-------|-----------|------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5114 | 0 |

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0.05m CONTOUR INTERVALS ARE SHOWN FOR THE INTERSECTIONS

GIVEWAY LINE MARKING ARE REMOVED

CONTOUR INTERVALS ARE NOW REFLECTING THE RAISED INTERSECTIONS

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Note for Contractors
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FOR CONSTRUCTION



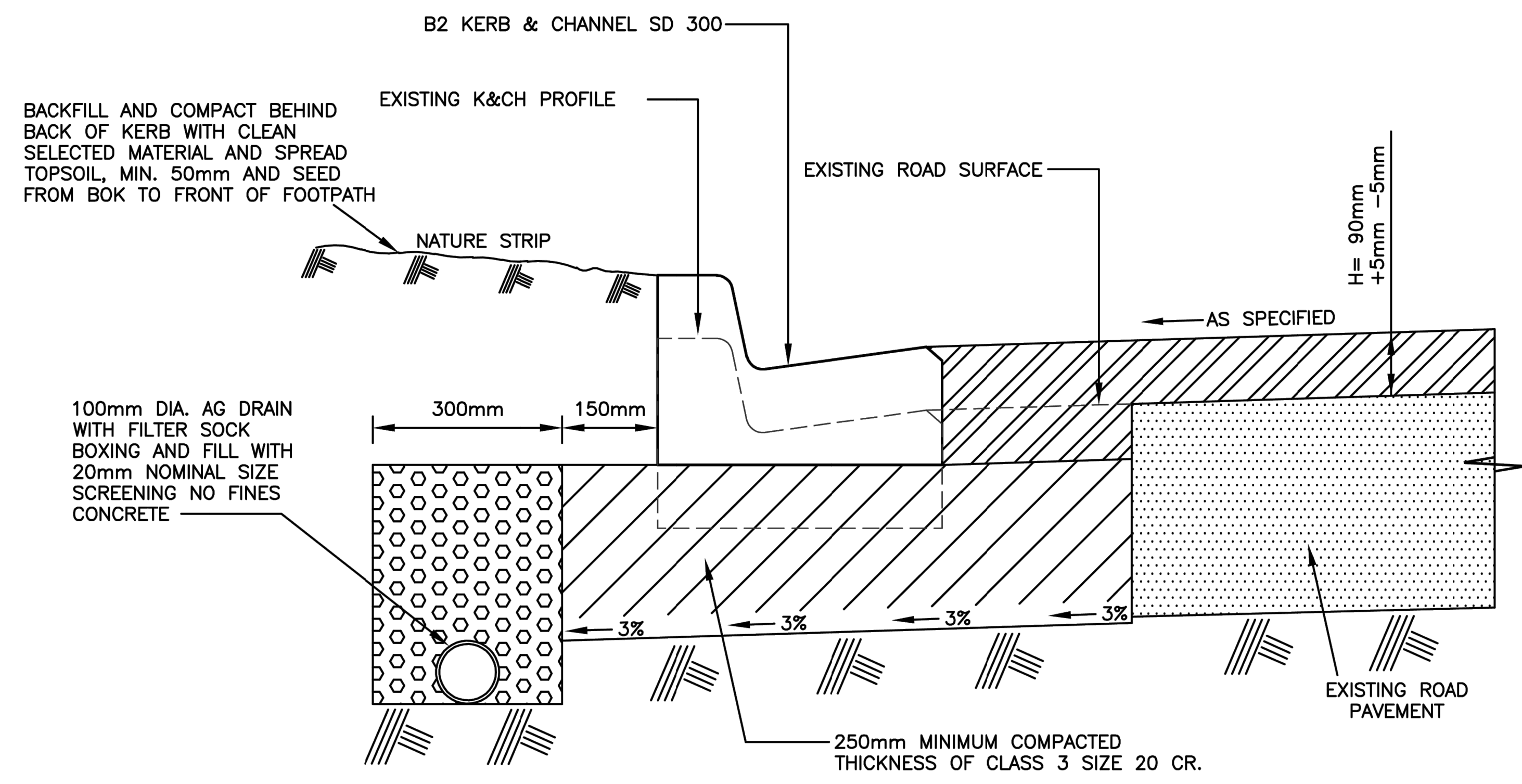
CIVIL SITWORKS
MELBOURNE
T: (03) 9583 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: INTERSECTION PLANS

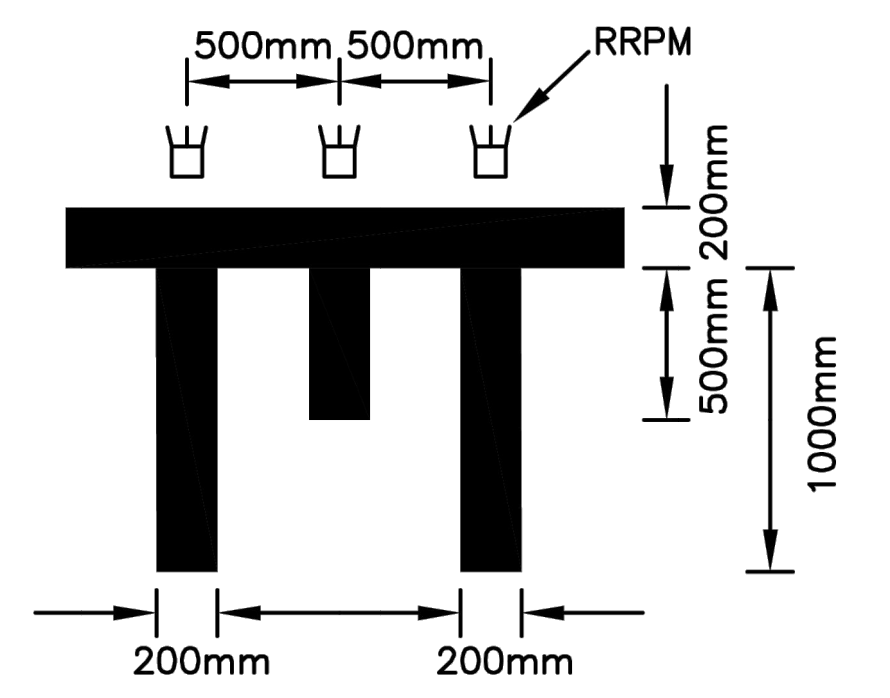
| Project Number | Origin | Zone | Level | File Type | Revision | Number | Revision |
|----------------|--------|------|-------|-----------|----------|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 5200 | 0 |

Drawn By: BP
Checked By: TS
Drawn Scale: AS SHOWN @ A1
Date of first issue: 18.09.23

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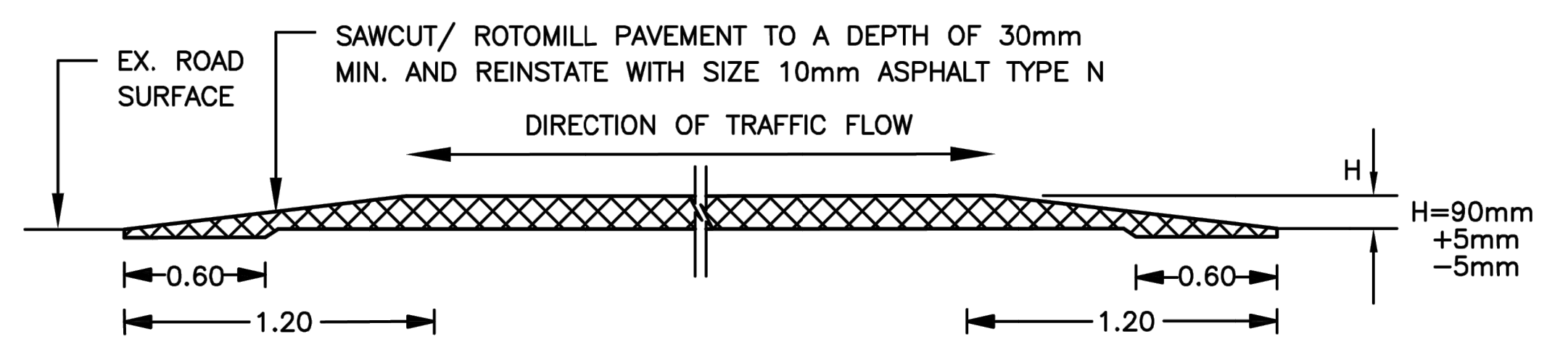


TYPICAL ROAD HUMPH DETAIL SECTION A-A

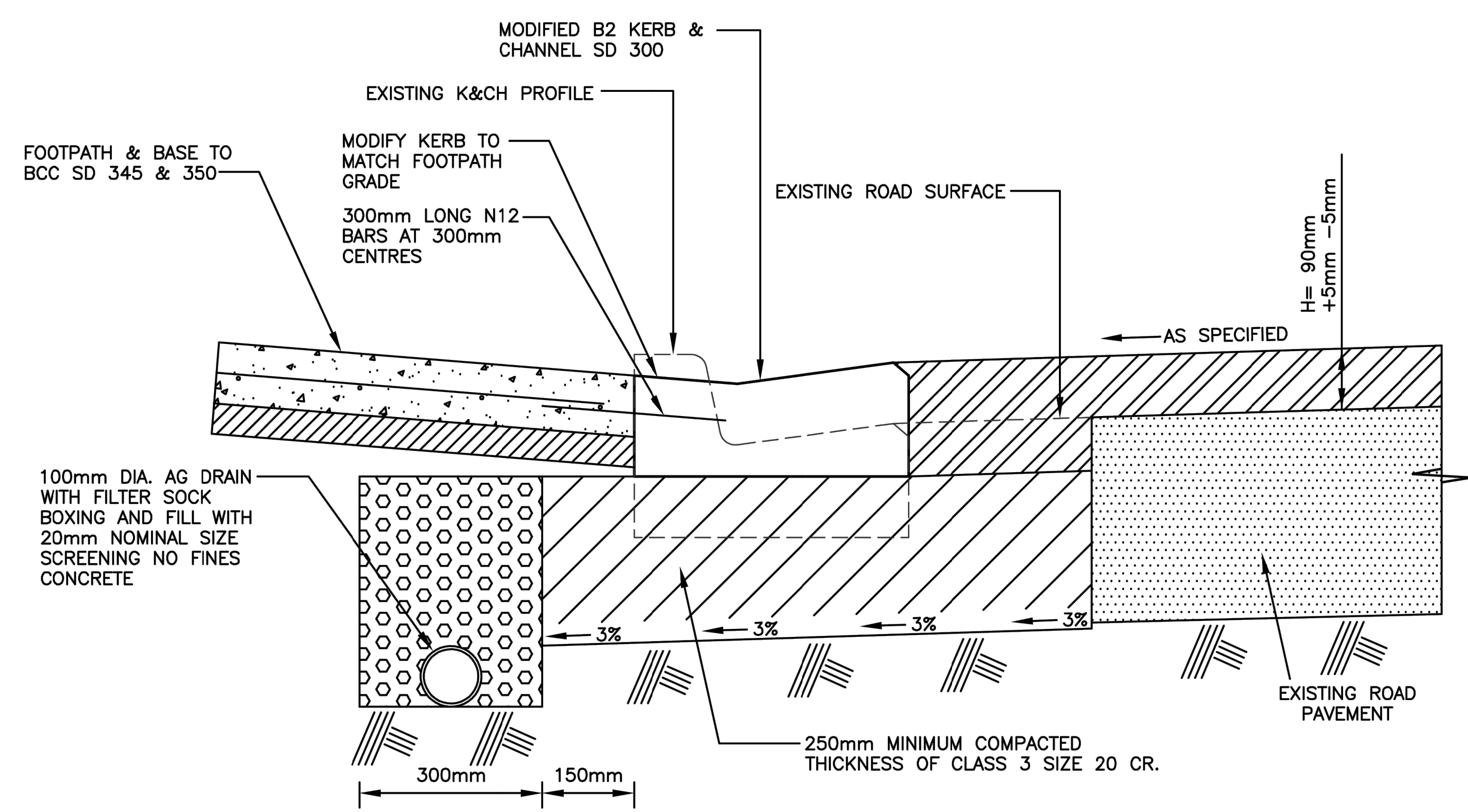


LINE MARK DETAIL

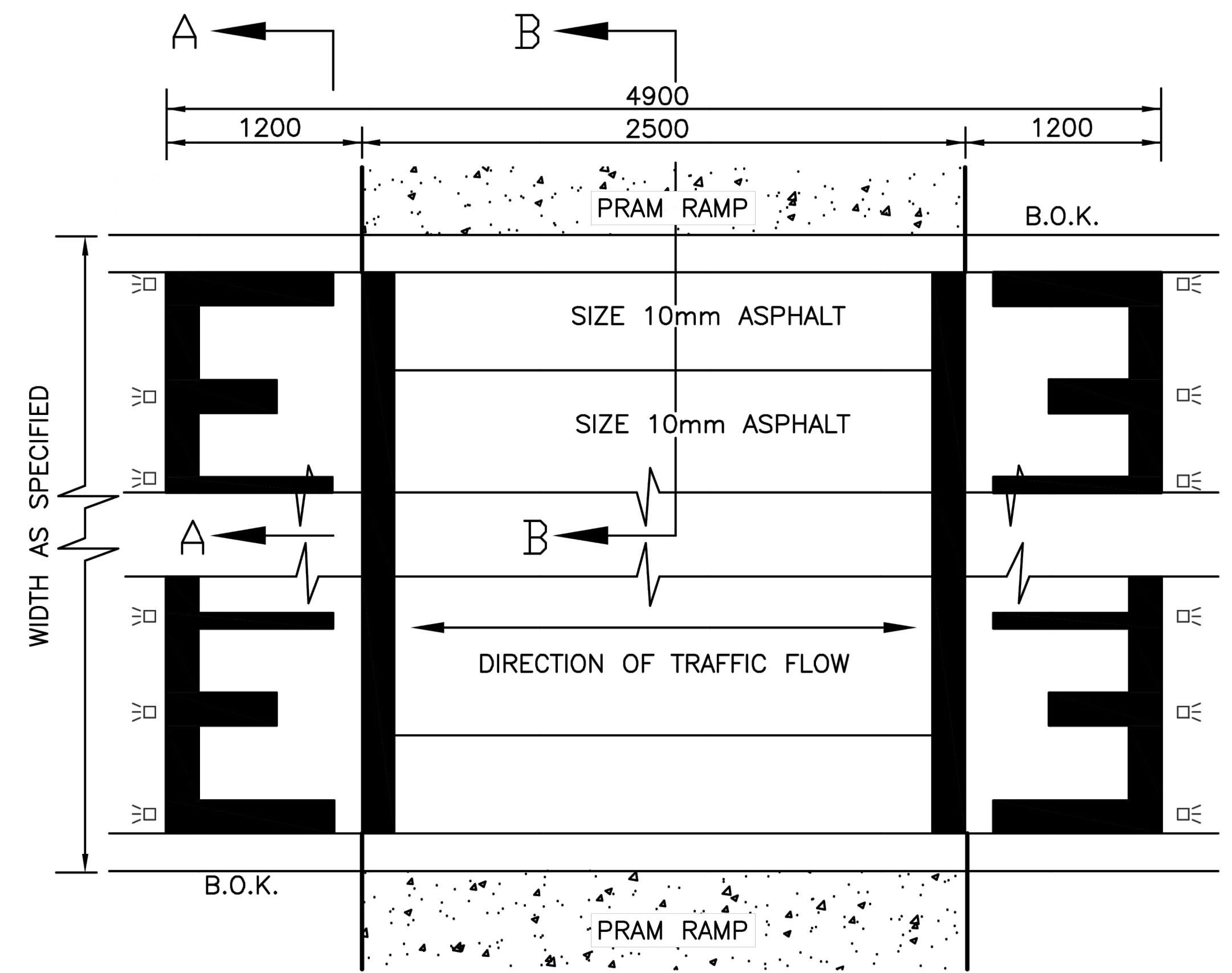
- NOTES:
- STANDARD ROAD HUMPH WARNING SIGNS, ROAD MARKERS AND RRPM's ARE REQUIRED TO SUPPLEMENT THE INSTALLATION OF ROAD HUMPHS IN ACCORDANCE WITH THE CURRENT VICROADS TRAFFIC ENGINEERING MANUAL VOL - 1, CHAPTER 8
 - DIMENSIONS OTHER THAN SPECIFIED TO BE APPROVED BY COUNCIL'S TRAFFIC MANAGEMENT SECTION



RAISED INTERSECTION - SECTION



TYPICAL ROAD HUMPH DETAIL AT PRAM RAMP SECTION B-B



RAISED PAVEMENT - PLAN

| Revised | Date | By | Checked |
|---------|----------|-------------------------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | |

Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

Deal before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

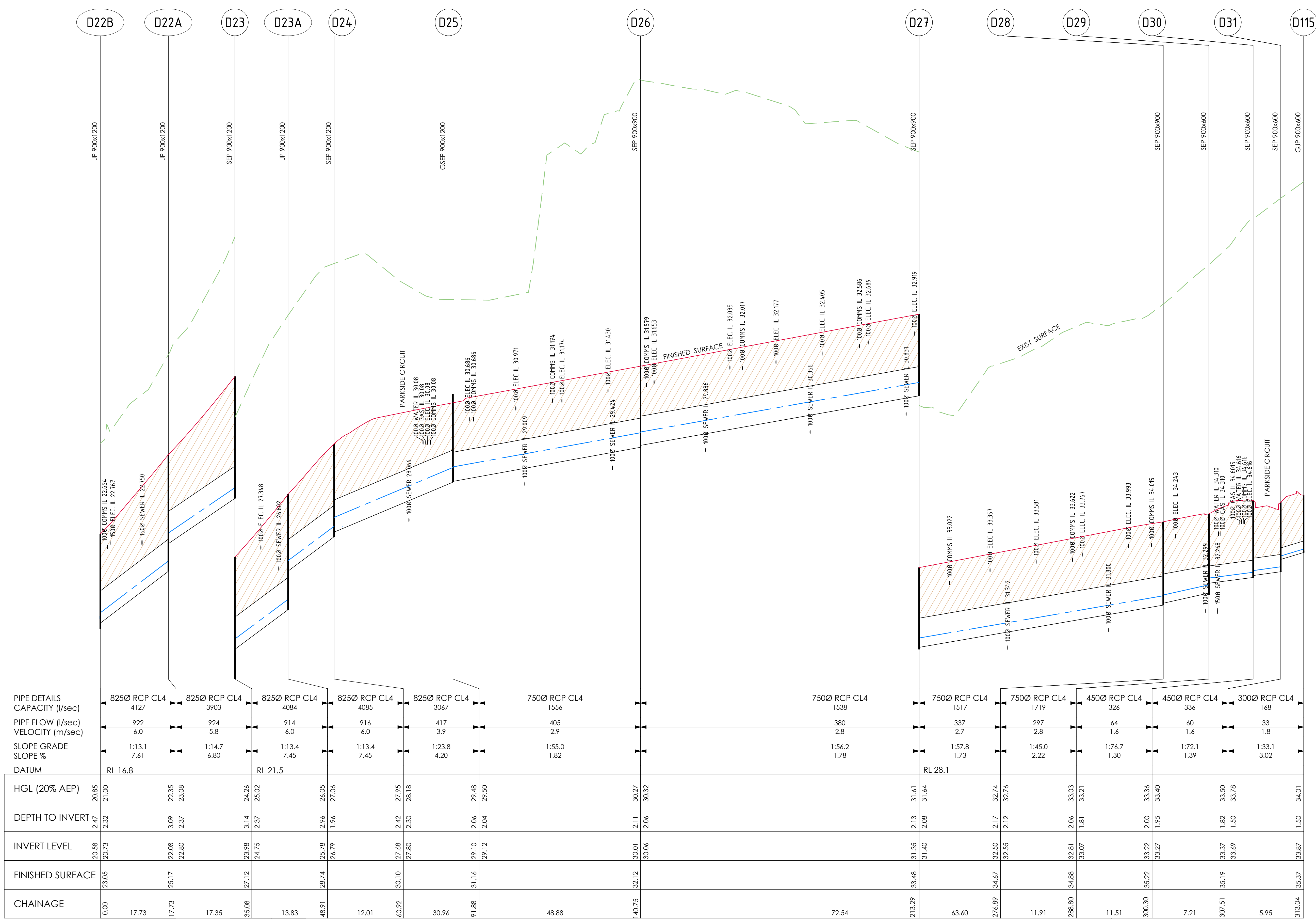
FOR CONSTRUCTION

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: TYPICAL RAISED INTERSECTION DETAILS

| Project Number | Orig | Zone | Level | File Type | Rev | Number | Revision |
|----------------|------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | 00 | DR | C | 5201 | 0 |

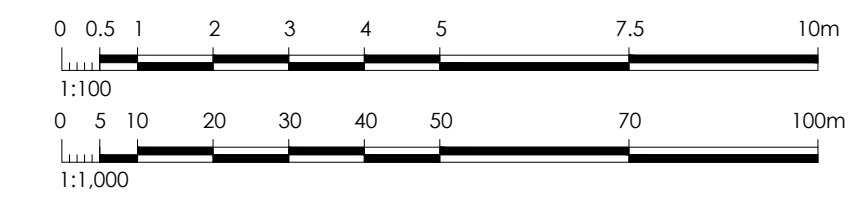
www.cjarms.com

- Note for Contractors**
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience and resources to ensure the safe and effective completion of the works. The Contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.
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- All contractors must call and be responsible for locating and checking all dimensions related to the works shown on the drawing prior to fabrication or setting out.



| PIPE DETAILS | 825Ø RCP CL4 | 825Ø RCP CL4 | 825Ø RCP CL4 | 825Ø RCP CL4 | 825Ø RCP CL4 | 750Ø RCP CL4 | 750Ø RCP CL4 | 750Ø RCP CL4 | 750Ø RCP CL4 | 750Ø RCP CL4 | 450Ø RCP CL4 | 450Ø RCP CL4 | 300Ø RCP CL4 | | | | | | | | | | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|
| CAPACITY (l/sec) | 4127 | 3903 | 4084 | 4085 | 3067 | 1556 | 1538 | 1517 | 1719 | 326 | 336 | 168 | | | | | | | | | | | | | | | |
| PIPE FLOW (l/sec) | 922 | 924 | 914 | 916 | 417 | 405 | 380 | 337 | 297 | 64 | 60 | 33 | | | | | | | | | | | | | | | |
| VELOCITY (m/sec) | 6.0 | 5.8 | 6.0 | 6.0 | 3.9 | 2.9 | 2.8 | 2.7 | 2.8 | 1.6 | 1.6 | 1.8 | | | | | | | | | | | | | | | |
| SLOPE GRADE | 1:13.1 | 1:14.7 | 1:13.4 | 1:13.4 | 1:23.8 | 1:55.0 | 1:56.2 | 1:57.8 | 1:45.0 | 1:76.7 | 1:72.1 | 1:33.1 | | | | | | | | | | | | | | | |
| SLOPE % | 7.61 | 6.80 | 7.45 | 7.45 | 4.20 | 1.82 | 1.78 | 1.73 | 2.22 | 1.30 | 1.39 | 3.02 | | | | | | | | | | | | | | | |
| DATUM | RL 16.8 | | RL 21.5 | | | | RL 28.1 | | | | | | | | | | | | | | | | | | | | |
| HGL (20% AEP) | 20.85 | 21.00 | 22.35 | 23.08 | 24.26 | 25.02 | 26.05 | 27.06 | 27.95 | 28.18 | 29.48 | 29.50 | 30.27 | 30.32 | 31.61 | 31.64 | 32.74 | 32.76 | 33.03 | 33.21 | 33.36 | 33.40 | 33.50 | 33.78 | 34.01 | | |
| DEPTH TO INVERT | 2.47 | 2.32 | 3.09 | 2.37 | 3.14 | 2.37 | 2.96 | 1.96 | 2.42 | 2.30 | 2.06 | 2.04 | 2.11 | 2.06 | 2.13 | 2.08 | 2.17 | 2.12 | 2.06 | 33.03 | 33.21 | 33.36 | 33.40 | 33.50 | 33.78 | 34.01 | |
| INVERT LEVEL | 20.58 | 20.73 | 22.08 | 22.80 | 23.98 | 24.75 | 25.78 | 26.79 | 27.68 | 27.80 | 29.10 | 29.12 | 30.01 | 30.06 | 31.35 | 31.40 | 32.50 | 32.55 | 32.74 | 33.03 | 33.21 | 33.36 | 33.40 | 33.50 | 33.78 | 34.01 | |
| FINISHED SURFACE | 23.05 | 25.17 | 27.12 | 28.74 | 30.10 | 31.16 | 32.12 | 33.48 | 34.67 | 35.19 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 | 35.22 |
| CHAINAGE | 0.00 | 17.73 | 17.73 | 17.35 | 35.08 | 13.83 | 48.91 | 12.01 | 60.92 | 30.96 | 91.88 | 48.88 | 140.75 | 72.54 | 213.29 | 63.60 | 276.89 | 11.91 | 288.80 | 11.51 | 300.30 | 7.21 | 307.51 | 5.95 | 313.04 | | |

DENOTES FULL DEPTH CL.3 F.C.R. BACKFILL



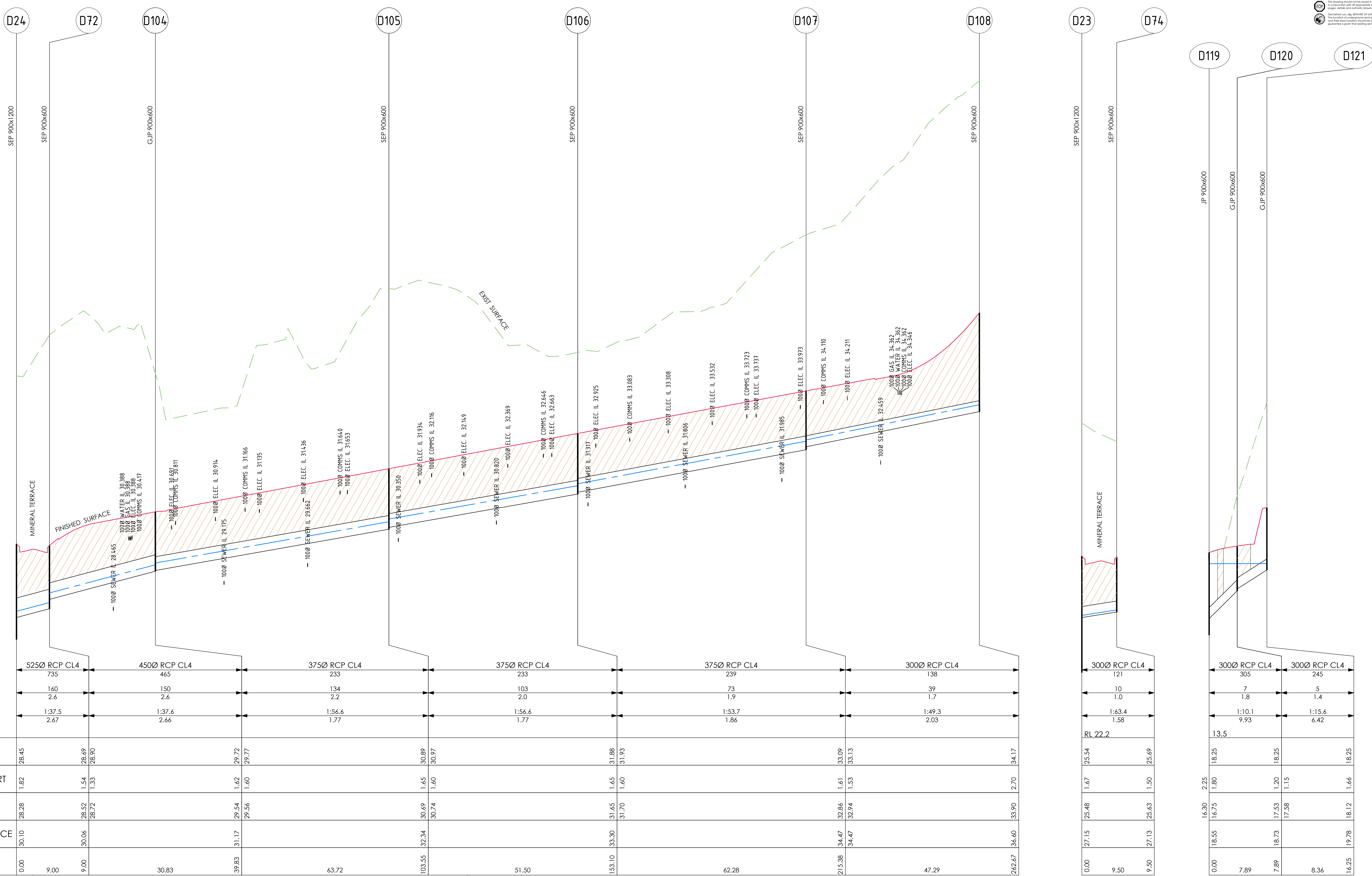
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FOR CONSTRUCTION

YourLand Developments **CJ ARMS** CIVIL SITWORKS

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: PROPOSED STORMWATER LONG SECTIONS (SHEET 1 OF 3)
Drawn By: PS
Checked By: VE
Date of first issue: 18.09.23
Scale: 1:1000
Project Number: 15006
CJA
7D4
00
DR
C
6100
0

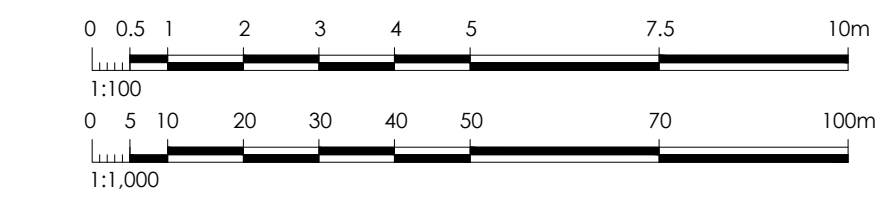
Note for Contractors
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 Dial before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.



| PIPE DETAILS | 525Ø RCP CL4 | | 450Ø RCP CL4 | | 375Ø RCP CL4 | | 375Ø RCP CL4 | | 375Ø RCP CL4 | | 300Ø RCP CL4 | |
|-------------------|--------------|-------|--------------|-------|--------------|--------|--------------|-------|--------------|-------|--------------|-------|
| CAPACITY (l/sec) | 735 | | 465 | | 233 | | 233 | | 239 | | 138 | |
| PIPE FLOW (l/sec) | 160 | | 150 | | 134 | | 103 | | 73 | | 39 | |
| VELOCITY (m/sec) | 2.6 | | 2.6 | | 2.2 | | 2.0 | | 1.9 | | 1.7 | |
| SLOPE GRADE | 1:37.5 | | 1:37.6 | | 1:56.6 | | 1:56.6 | | 1:53.7 | | 1:49.3 | |
| SLOPE % | 2.67 | | 2.66 | | 1.77 | | 1.77 | | 1.86 | | 2.03 | |
| DATUM | RL 25 | | | | | | | | | | | |
| HGL (20% AEP) | 28.45 | 28.49 | 28.90 | 29.72 | 29.77 | 30.89 | 30.97 | 31.88 | 31.93 | 33.09 | 33.13 | 34.17 |
| DEPTH TO INVERT | 1.82 | 1.54 | 1.33 | 1.62 | 1.60 | 1.65 | 1.60 | 1.65 | 1.60 | 1.61 | 1.53 | 2.70 |
| INVERT LEVEL | 28.28 | 28.52 | 28.72 | 29.54 | 29.56 | 30.49 | 30.74 | 31.65 | 31.70 | 32.86 | 32.94 | 33.90 |
| FINISHED SURFACE | 30.10 | 30.06 | 31.17 | 32.34 | 32.34 | 33.30 | 33.30 | 34.47 | 34.47 | 34.47 | 34.47 | 36.60 |
| CHAINAGE | 0.00 | 9.00 | 30.83 | 39.83 | 63.72 | 103.55 | 153.10 | 62.28 | 215.38 | 47.29 | 262.67 | |

| PIPE DETAILS | 300Ø RCP CL4 | | 300Ø RCP CL4 | | 300Ø RCP CL4 | |
|-------------------|--------------|-------|--------------|-------|--------------|-------|
| CAPACITY (l/sec) | 121 | | 305 | | 245 | |
| PIPE FLOW (l/sec) | 10 | | 7 | | 5 | |
| VELOCITY (m/sec) | 1.0 | | 1.8 | | 1.4 | |
| SLOPE GRADE | 1:63.4 | | 1:10.1 | | 1:15.6 | |
| SLOPE % | 1.58 | | 9.93 | | 6.42 | |
| DATUM | RL 22.2 | | | | | |
| HGL (20% AEP) | 25.54 | 25.54 | 18.25 | 18.25 | 18.25 | 18.25 |
| DEPTH TO INVERT | 1.67 | 1.67 | 2.25 | 1.80 | 1.20 | 1.66 |
| INVERT LEVEL | 25.48 | 25.48 | 16.30 | 16.75 | 17.53 | 18.12 |
| FINISHED SURFACE | 27.15 | 27.13 | 18.55 | 18.73 | 19.78 | 19.78 |
| CHAINAGE | 0.00 | 9.50 | 7.89 | 8.36 | | |

DENOTES FULL DEPTH CL.3 F.C.R. BACKFILL



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | | |

Note for Contractors
 The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.
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FOR CONSTRUCTION



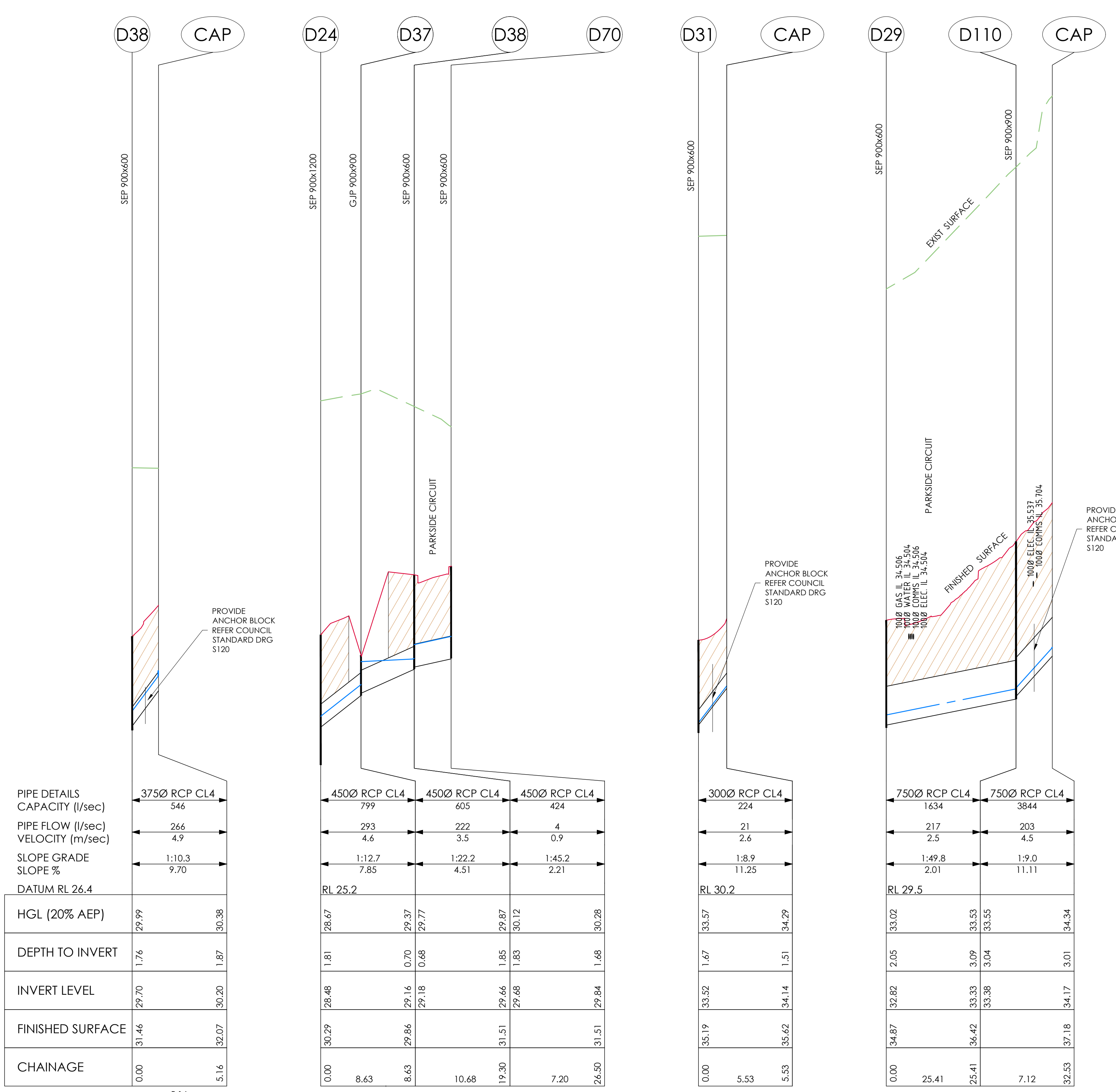
CIVIL SITWORKS
 MELBOURNE
 T: (03) 9385 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: PROPOSED STORMWATER LONG SECTIONS (SHEET 2 OF 3)
 Drawn By: SP
 Checked By: VE
 Drawn Scale: 1:1000
 Date of first issue: 18.09.23

| Project Number | Orig | Zone | Level | File Type | Rev | Number | Revision |
|----------------|------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | 00 | DR | C | 6101 | 0 |

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Note for Contractors
 The contractor shall be responsible for obtaining from the Council the appropriate level of consent for the proposed works. The contractor shall be responsible for the management of all risks associated with the construction activities stated on this drawing.
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 Do not rely on any service of underground services. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.



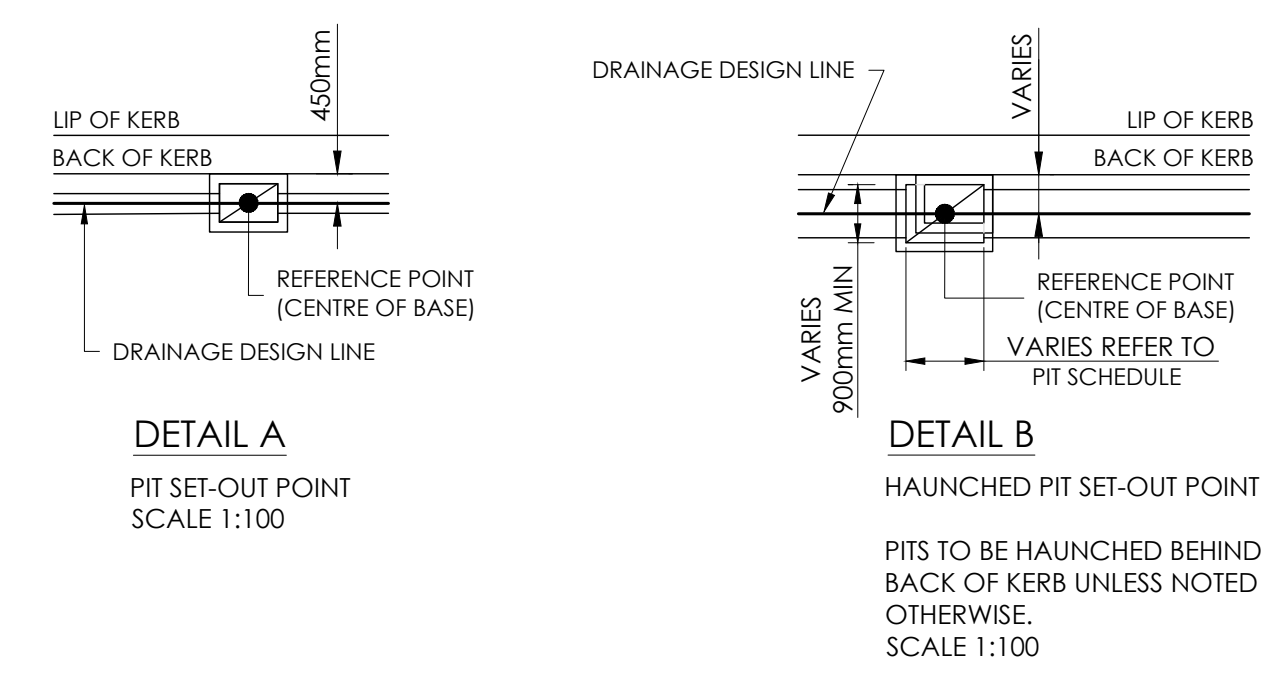
| PIPE DETAILS | 375Ø RCP CL4 |
|-------------------|--------------|
| CAPACITY (l/sec) | 546 |
| PIPE FLOW (l/sec) | 266 |
| VELOCITY (m/sec) | 4.9 |
| SLOPE GRADE | 1:10.3 |
| SLOPE % | 9.70 |
| DATUM RL 26.4 | |
| HGL (20% AEP) | 29.99 |
| DEPTH TO INVERT | 1.76 |
| INVERT LEVEL | 29.70 |
| FINISHED SURFACE | 31.46 |
| CHAINAGE | 0.00 |

| PIPE DETAILS | 450Ø RCP CL4 | 450Ø RCP CL4 | 450Ø RCP CL4 |
|-------------------|--------------|--------------|--------------|
| CAPACITY (l/sec) | 799 | 605 | 424 |
| PIPE FLOW (l/sec) | 293 | 222 | 4 |
| VELOCITY (m/sec) | 4.6 | 3.5 | 0.9 |
| SLOPE GRADE | 1:12.7 | 1:22.2 | 1:45.2 |
| SLOPE % | 7.85 | 4.51 | 2.21 |
| DATUM RL 26.4 | | | |
| HGL (20% AEP) | 28.67 | 29.37 | 29.87 |
| DEPTH TO INVERT | 1.81 | 0.70 | 1.85 |
| INVERT LEVEL | 28.48 | 29.16 | 29.66 |
| FINISHED SURFACE | 30.29 | 29.86 | 31.51 |
| CHAINAGE | 0.00 | 8.63 | 19.30 |

| PIPE DETAILS | 300Ø RCP CL4 |
|-------------------|--------------|
| CAPACITY (l/sec) | 224 |
| PIPE FLOW (l/sec) | 21 |
| VELOCITY (m/sec) | 2.6 |
| SLOPE GRADE | 1:8.9 |
| SLOPE % | 11.25 |
| DATUM RL 26.4 | |
| HGL (20% AEP) | 33.57 |
| DEPTH TO INVERT | 1.67 |
| INVERT LEVEL | 33.52 |
| FINISHED SURFACE | 35.19 |
| CHAINAGE | 0.00 |

| PIPE DETAILS | 750Ø RCP CL4 | 750Ø RCP CL4 |
|-------------------|--------------|--------------|
| CAPACITY (l/sec) | 1634 | 3844 |
| PIPE FLOW (l/sec) | 217 | 203 |
| VELOCITY (m/sec) | 2.5 | 4.5 |
| SLOPE GRADE | 1:49.8 | 1:9.0 |
| SLOPE % | 2.01 | 11.11 |
| DATUM RL 26.4 | | |
| HGL (20% AEP) | 33.02 | 33.53 |
| DEPTH TO INVERT | 2.05 | 3.09 |
| INVERT LEVEL | 32.82 | 33.33 |
| FINISHED SURFACE | 34.87 | 36.42 |
| CHAINAGE | 0.00 | 25.41 |

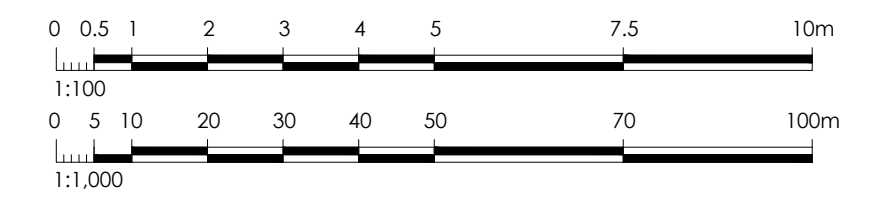
DENOTES FULL DEPTH CL.3 F.C.R. BACKFILL



| Pit Schedule | | | | | | | | | | | | | | |
|--------------|----------|-----------|------------|------------|-------------|-----------------|------------------|----------------|-----------------|-----------|---------------|---|--|---|
| Pit No. | Pit Type | Lid Width | Lid Length | Base Width | Base Length | Outlet Diameter | Outlet Invert RL | Inlet Diameter | Inlet Invert RL | Pit Depth | Pit Lid Level | Easting | Northing | Comment |
| D22B | JP | 600 | 900 | 1200 | 900 | 825 | 20.58 | 825 | 20.73 | 2.47 | 23.05 | 310321.22 | 5819149.36 | PIT DETAIL TO BCC S205/S255 (HAUNCHED) |
| D22A | JP | 600 | 900 | 1200 | 900 | 825 | 22.08 | 825 | 22.80 | 3.04 | 25.12 | 310307.28 | 5819138.39 | PIT DETAIL TO BCC S205/S255 (HAUNCHED) |
| D23 | SEP | 600 | 900 | 1200 | 900 | 825 | 23.98 | 825 | 24.75 | 3.17 | 27.15 | 310295.97 | 5819125.24 | PIT DETAIL TO BCC S200/S255 (HAUNCHED) |
| D23A | JP | 600 | 900 | 1200 | 900 | 825 | 25.78 | 825 | 26.79 | 2.96 | 28.78 | 310289.28 | 5819113.14 | PIT DETAIL TO BCC S205/S255 (HAUNCHED) |
| D24 | SEP | 600 | 900 | 1200 | 900 | 825 | 27.68 | 825 | 27.80 | 2.42 | 30.12 | 310285.39 | 5819101.76 | PIT DETAIL TO BCC S200/S255 (HAUNCHED) |
| D25 | GSEP | 600 | 900 | 1200 | 900 | 825 | 29.10 | 750 | 29.12 | 2.06 | 31.16 | 310278.30 | 5819071.64 | PIT DETAIL TO BCC S201/S255 (HAUNCHED) |
| D26 | SEP | 600 | 900 | 900 | 900 | 750 | 30.01 | 750 | 30.06 | 2.11 | 32.12 | 310266.99 | 5819024.09 | PIT DETAIL TO BCC S200/S255 (HAUNCHED) |
| D27 | SEP | 600 | 900 | 900 | 900 | 750 | 31.35 | 750 | 31.40 | 2.13 | 33.48 | 310250.22 | 5818953.52 | PIT DETAIL TO BCC S200/S255 (HAUNCHED) |
| D28 | SEP | 600 | 900 | 900 | 900 | 750 | 32.50 | 750 | 32.55 | 2.17 | 34.67 | 310235.27 | 5818891.70 | PIT DETAIL TO BCC S200/S255 (HAUNCHED) |
| D29 | SEP | 600 | 900 | 900 | 900 | 750 | 32.81 | 450 | 33.07 | 2.07 | 34.88 | 310231.56 | 5818880.38 | PIT DETAIL TO BCC S200 |
| D30 | SEP | 600 | 900 | 450 | 900 | 450 | 33.22 | 450 | 33.27 | 2.00 | 35.22 | 310220.57 | 5818876.98 | PIT DETAIL TO BCC S200 |
| D31 | SEP | 600 | 900 | 450 | 900 | 450 | 33.37 | 300 | 33.69 | 1.82 | 35.19 | 310217.98 | 5818870.25 | PIT DETAIL TO BCC S200 |
| D37 | GJP | 600 | 900 | 900 | 900 | 450 | 29.16 | 450 | 29.18 | 0.70 | 29.86 | 310276.94 | 5819100.06 | PIT DETAIL TO BCC S205/S255 (HAUNCHED) WITH BASKET GRATE COVER |
| D38 | SEP | 600 | 900 | 450 | 900 | 450 | 29.66 | 375 | 29.70 | 1.85 | 31.51 | 310271.93 | 5819090.63 | PIT DETAIL TO BCC S200 |
| D70 | SEP | 600 | 900 | 450 | 900 | 450 | 29.84 | 450 | 29.68 | 1.68 | 31.51 | 310270.25 | 5819083.63 | PIT DETAIL TO BCC S200 WITH TEMPORARY LETTERBOX OPENING AT REAR FOR SWALE |
| D72 | SEP | 600 | 900 | 525 | 900 | 450 | 28.52 | 450 | 28.72 | 1.54 | 30.06 | 310294.12 | 5819099.57 | PIT DETAIL TO BCC S200 |
| D74 | SEP | 600 | 900 | 300 | 900 | 300 | 25.63 | 300 | 25.63 | 1.50 | 27.13 | 310303.83 | 5819119.90 | PIT DETAIL TO BCC S200 |
| D104 | GJP | 600 | 900 | 450 | 29.54 | 375 | 29.56 | 1.62 | 31.17 | 310286.91 | 5819069.59 | PIT DETAIL TO BCC S232 | | |
| D105 | SEP | 600 | 900 | 375 | 30.69 | 375 | 30.74 | 1.65 | 32.34 | 310272.16 | 5819007.61 | PIT DETAIL TO BCC S200 | | |
| D106 | SEP | 600 | 900 | 375 | 31.65 | 375 | 31.70 | 1.65 | 33.30 | 310260.26 | 5818957.50 | PIT DETAIL TO BCC S200 | | |
| D107 | SEP | 600 | 900 | 375 | 32.86 | 300 | 32.94 | 1.61 | 34.47 | 310245.84 | 5818896.91 | PIT DETAIL TO BCC S200 | | |
| D108 | SEP | 600 | 900 | 300 | 33.90 | 300 | 33.90 | 2.70 | 36.60 | 310229.25 | 5818852.73 | PIT DETAIL TO BCC S200 | | |
| D110 | SEP | 600 | 900 | 900 | 750 | 33.33 | 750 | 33.38 | 3.09 | 36.42 | 310221.51 | 5818857.04 | PIT DETAIL TO BCC S200/S255 (HAUNCHED) | |
| D115 | GJP | 600 | 900 | 900 | 900 | 300 | 33.87 | 1.50 | 35.37 | 310214.08 | 5818865.76 | PIT DETAIL TO BCC S205/S255 (HAUNCHED) | | |
| D119 | JP | 600 | 900 | 900 | 900 | 600 | 16.30 | 600 | 16.31 | 2.25 | 18.55 | 310313.03 | 5818841.19 | PIT DETAIL TO BCC S205/S255 (HAUNCHED) |
| D120 | GJP | 600 | 900 | 600 | 900 | 300 | 17.53 | 300 | 17.58 | 1.20 | 18.73 | 310305.15 | 5818841.59 | PIT DETAIL TO BCC S205/S255 WITH BASKET GRATE COVER |
| D121 | GJP | 600 | 900 | 600 | 900 | 300 | 18.12 | 1.66 | 19.78 | 310299.76 | 5818847.98 | PIT DETAIL TO BCC S205/S255 WITH BASKET GRATE COVER | | |

PIT TYPE KEY
 JP = JUNCTION PIT
 GJP = GRATED JUNCTION PIT
 SEP = SIDE ENTRY PIT
 GSEP = GRATED SIDE ENTRY PIT

NOTES:
 1. ALL SETOUT POINTS (COORDINATES) ARE TO CENTRE OF PIT BASE OR AS SHOWN
 2. PIPES ARE ALIGNED TO CENTER OF ALL PIT BASES EXCEPT PITS 01, 02, 03 & 05
 3. STEP IRONS REQUIRED FOR ALL PITS GREATER THAN 900mm DEEP. PROVIDE IN ACCORDANCE WITH BCC STANDARD DETAIL S275
 4. ALL DRAINAGE WORKS TO BE TO BRIMBANK CITY COUNCIL SPECIFICATIONS
 5. ALL PIT COVERS IN ROAD RESERVE TO BE HEAVY DUTY GATIC (CLASS 'D')



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FOR CONSTRUCTION

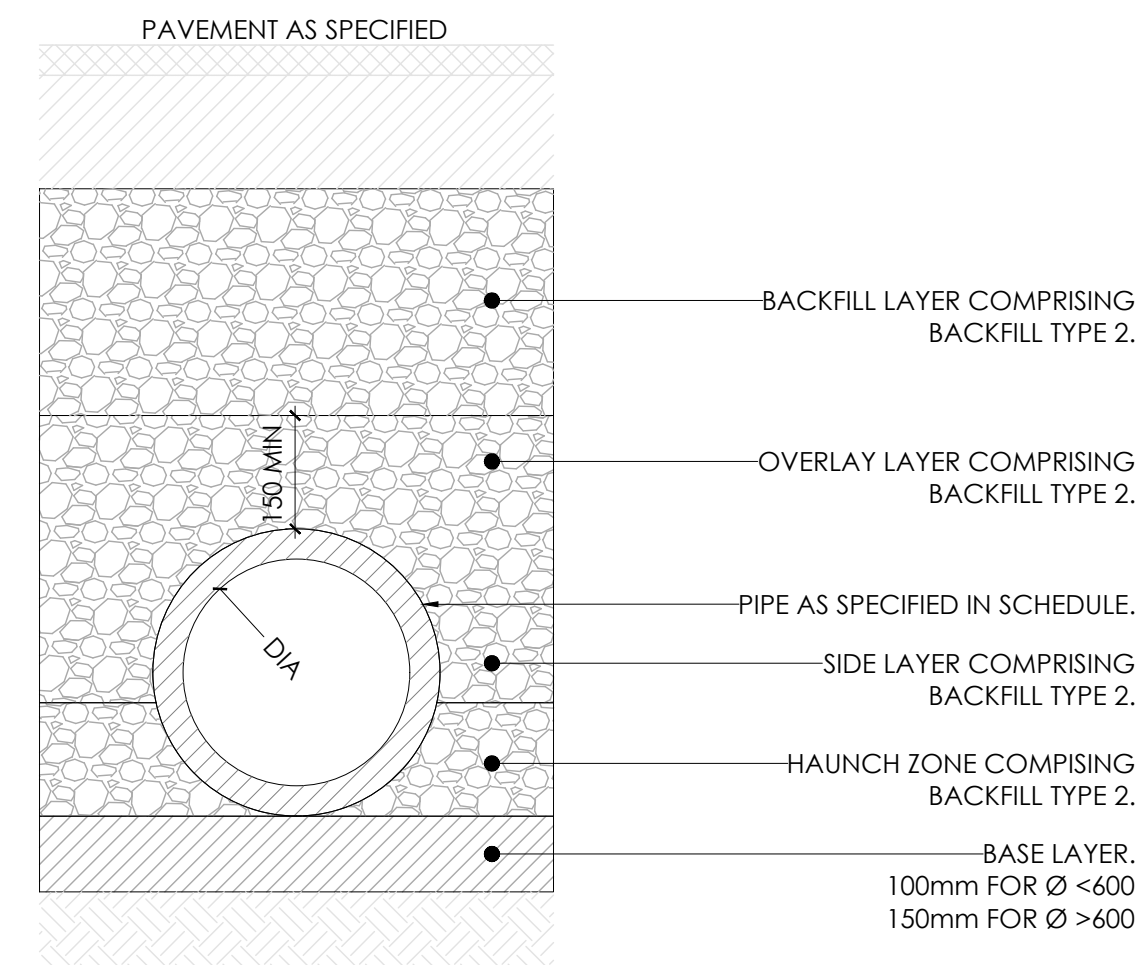
YourLand **CJ** **ARMS**
 Developments

CIVIL SITWORKS
 Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing No: PROPOSED STORMWATER LONG SECTIONS (SHEET 3 OF 3)
 Drawn By: VE
 Checked By: VE
 Date of Issue: 18/09/23
 Project Number: 15006
 Client: CJA
 Stage: 7D4
 Level: 00
 File Type: DR
 Rev: C
 Number: 6102
 Revision: 0

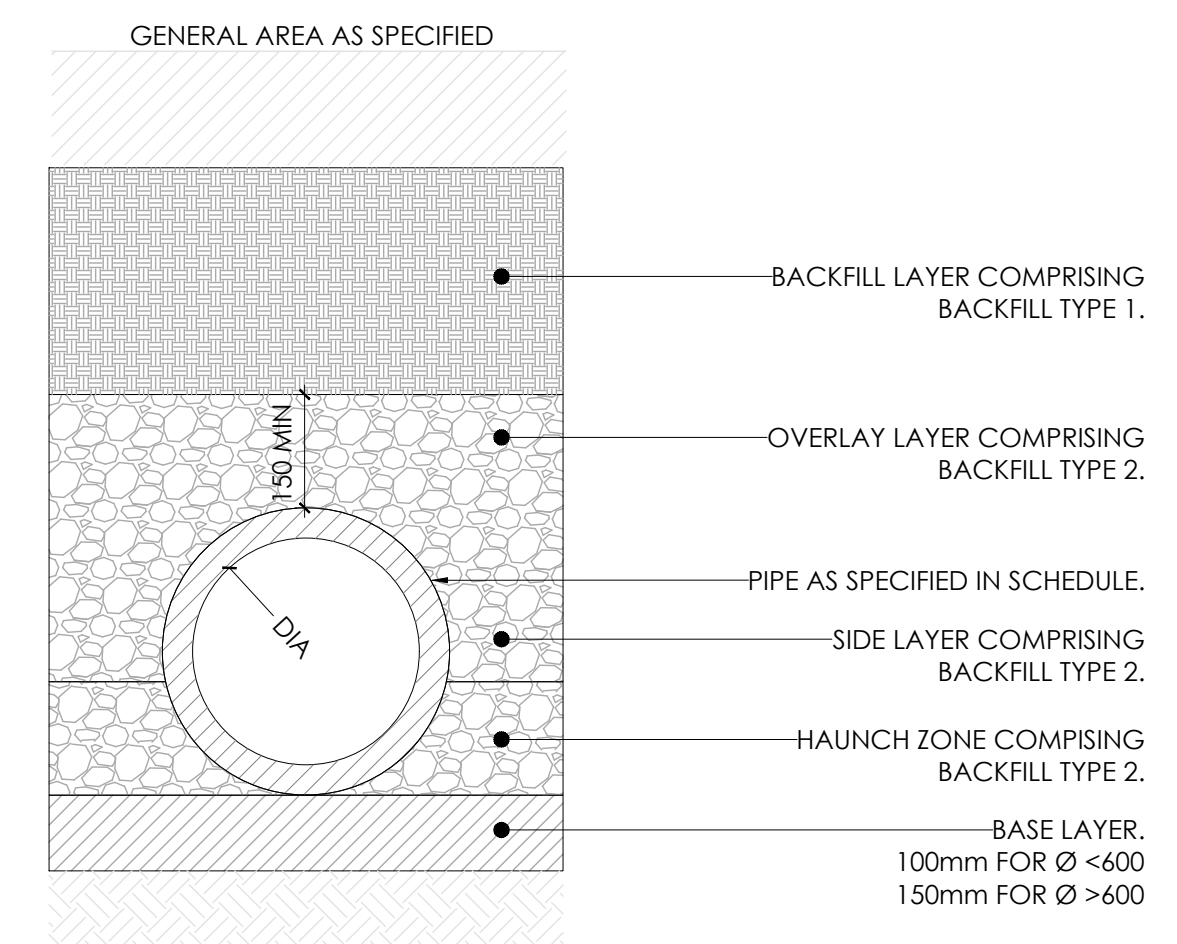
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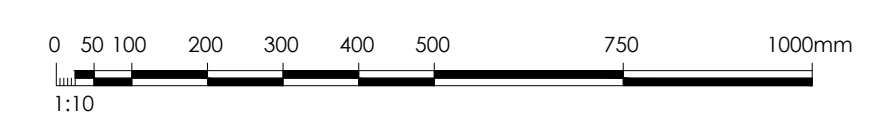
| PIPE BEDDING SPECIFICATION | | |
|----------------------------|---|---|
| LAYER | MATERIAL SPECIFICATION | COMPACTION SPECIFICATION |
| BACKFILL (TYPE 1) | SITE WON FILL MATERIAL. | COMPACTED TO ACHIEVE A MINIMUM DENSITY OF ADJACENT MATERIAL. TO BE COMPACTED IN MAX 150mm LAYERS. |
| BACKFILL (TYPE 2) | SIZE 20mm CLASS 3 CRUSHED ROCK COMPLYING WITH VICROADS SPECIFICATION SECTION 812. | COMPACTED TO ACHIEVE A MINIMUM 98% (MODIFIED) IN ACCORDANCE WITH AS1289.5.2.1. TO BE COMPACTED IN MAX 150mm LAYERS. |
| BASE LAYER | SIZE 20mm CLASS 2 CRUSHED ROCK COMPLYING WITH VICROADS SPECIFICATION SECTION 812. | COMPACTED TO ACHIEVE A MINIMUM 98% (MODIFIED) IN ACCORDANCE WITH AS1289.5.2.1. TO BE COMPACTED IN MAX 150mm LAYERS. |



PT.01 TYPICAL PIPE TRENCH (UNDER PAVEMENTS)
 SCALE 1:10



PT.02 TYPICAL PIPE TRENCH (GENERAL AREAS)
 SCALE 1:10



| | | | | |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |
| Revised | Date | Reason | Drawn | Checked |

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FOR CONSTRUCTION



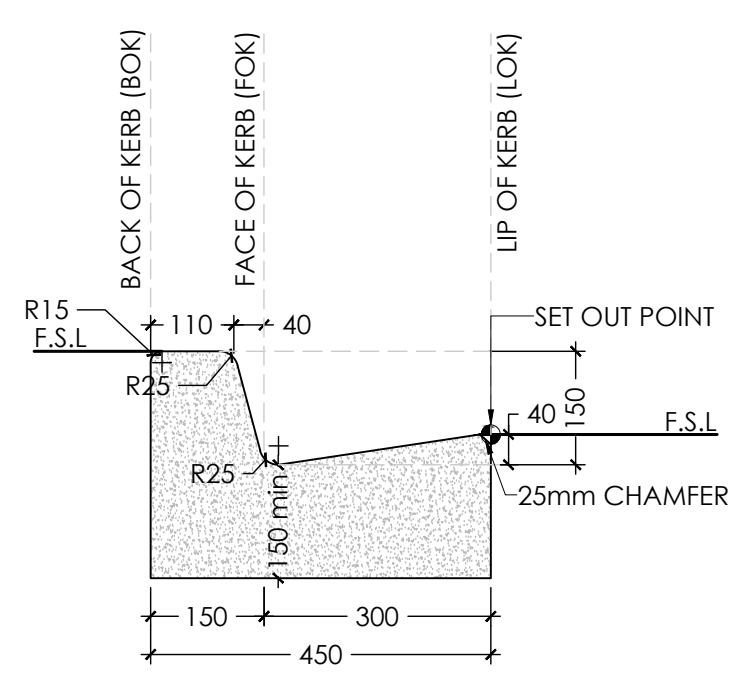
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Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: BEDDING DETAILS - STORMWATER

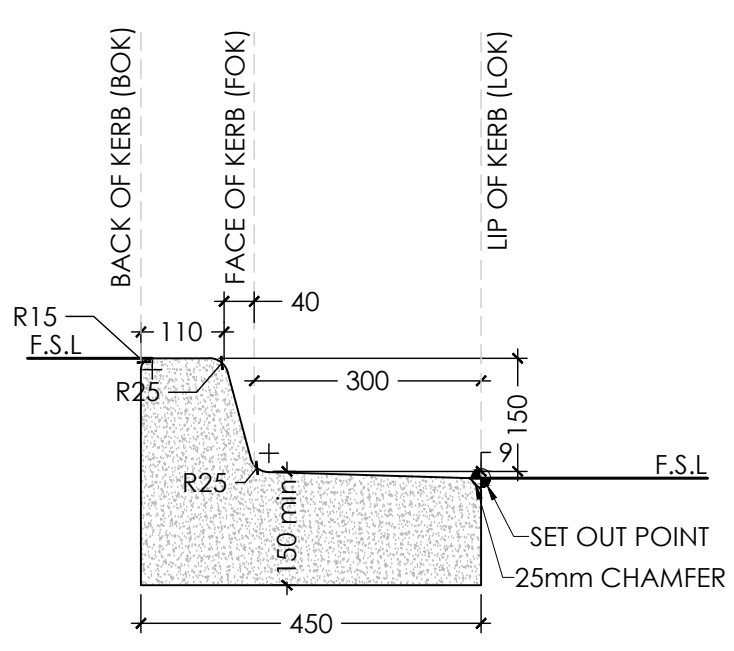
Drawn By: EP
 Checked By: VE
 Drawn Scale: 1:10 B-A1
 Date of first issue: 18.09.23

| Project Number | Orig | Zone | Level | File Type | Rev | Number | Revision |
|----------------|------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 6103 | 0 |



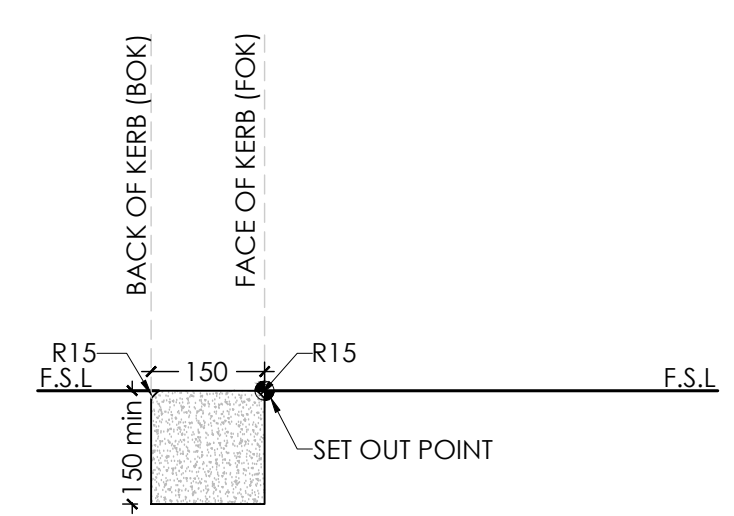
KV.02
KV.02 - CONCRETE BARRIER KERB (TYPE B2 K&C) DETAIL
SCALE 1:10

- NOTE:**
- PROVIDE EXPANSION JOINTS AT MAX 12m - CENTRES.
 - PROVIDE TOOL JOINTS AT MAX 3m CENTRES.
 - KERB TO BE MINIMUM CLASS N25 STANDARD STRENGTH GRADE
 - CONCRETE IN ACCORDANCE WITH AS 1379.
 - **IN ACCORDANCE WITH BCC STANDARD DWG S300.**



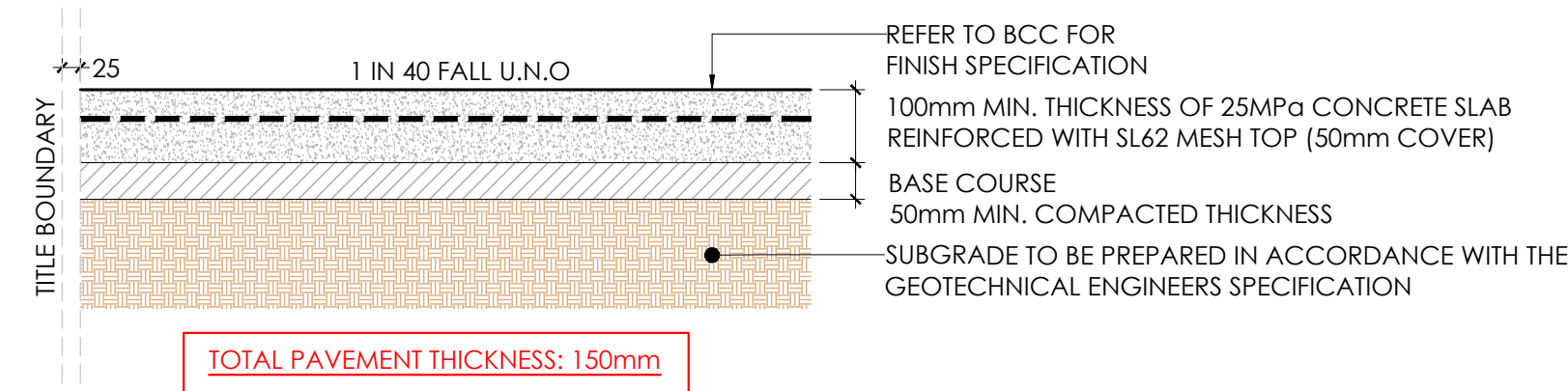
KV.03
KV.03 - CONCRETE BARRIER KERB (TYPE B3) DETAIL
SCALE 1:10

- NOTE:**
- PROVIDE EXPANSION JOINTS AT MAX 12m - CENTRES.
 - PROVIDE TOOL JOINTS AT MAX 3m CENTRES.
 - KERB TO BE MINIMUM CLASS N25 STANDARD STRENGTH GRADE
 - CONCRETE IN ACCORDANCE WITH AS 1379.
 - **IN ACCORDANCE WITH BCC STANDARD DWG S300.**



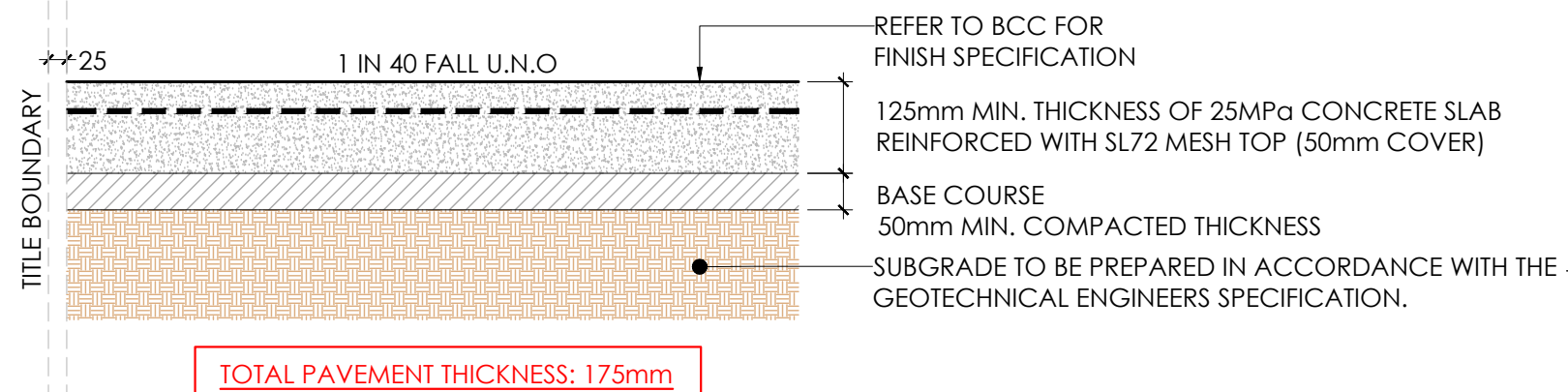
KV.04
KV.04 - CONCRETE EDGING KERB (TYPE ES) DETAIL
SCALE 1:10

- NOTE:**
- PROVIDE EXPANSION JOINTS AT MAX 12m - CENTRES.
 - PROVIDE TOOL JOINTS AT MAX 3m CENTRES.
 - KERB TO BE MINIMUM CLASS N25 STANDARD STRENGTH GRADE
 - CONCRETE IN ACCORDANCE WITH AS 1379.
 - **IN ACCORDANCE WITH BCC STANDARD DWG S300.**



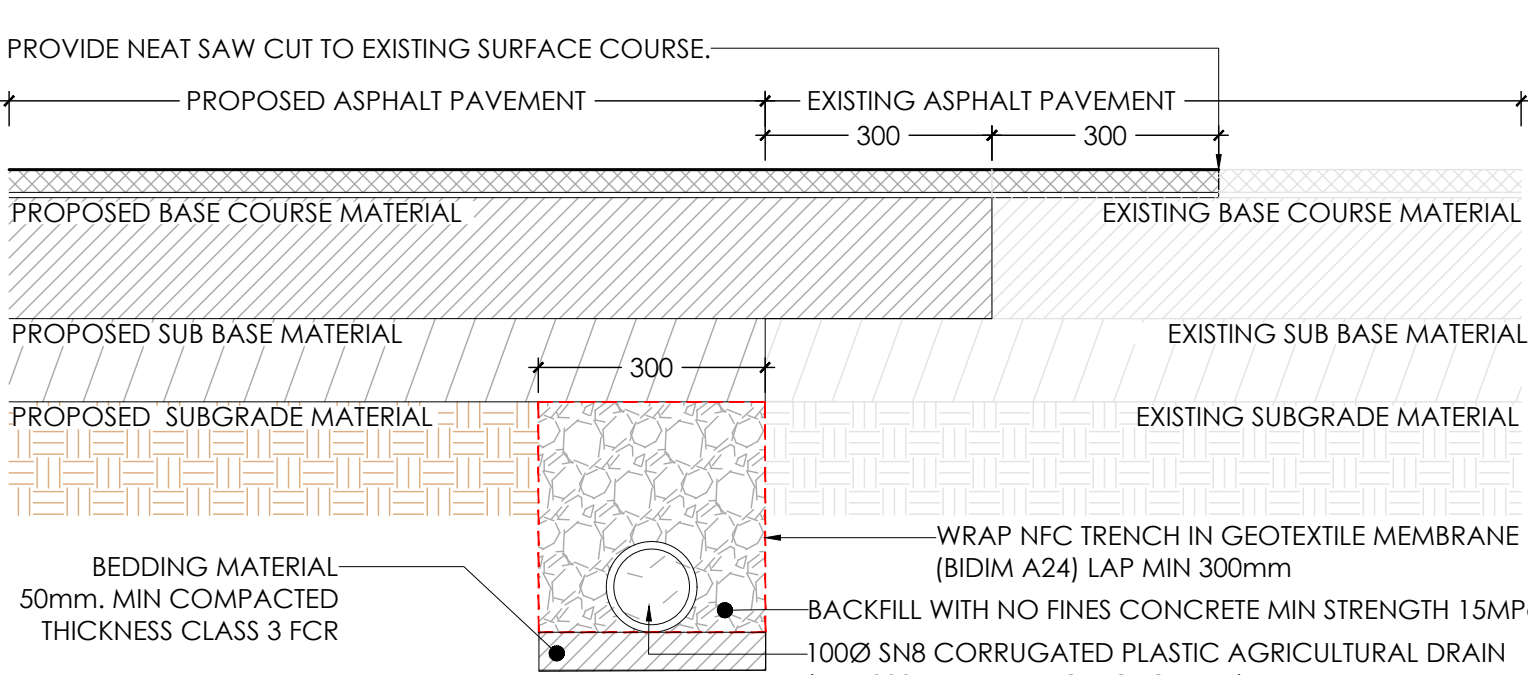
CF.01
CF.01 - 1.5m WIDE CONCRETE FOOTPATH PAVEMENT DETAIL
SCALE 1:10

- PAVEMENT DESIGN BASED ON THE FOLLOWING ASSUMPTIONS:
- **IN ACCORDANCE WITH BCC STANDARD DWG S350**

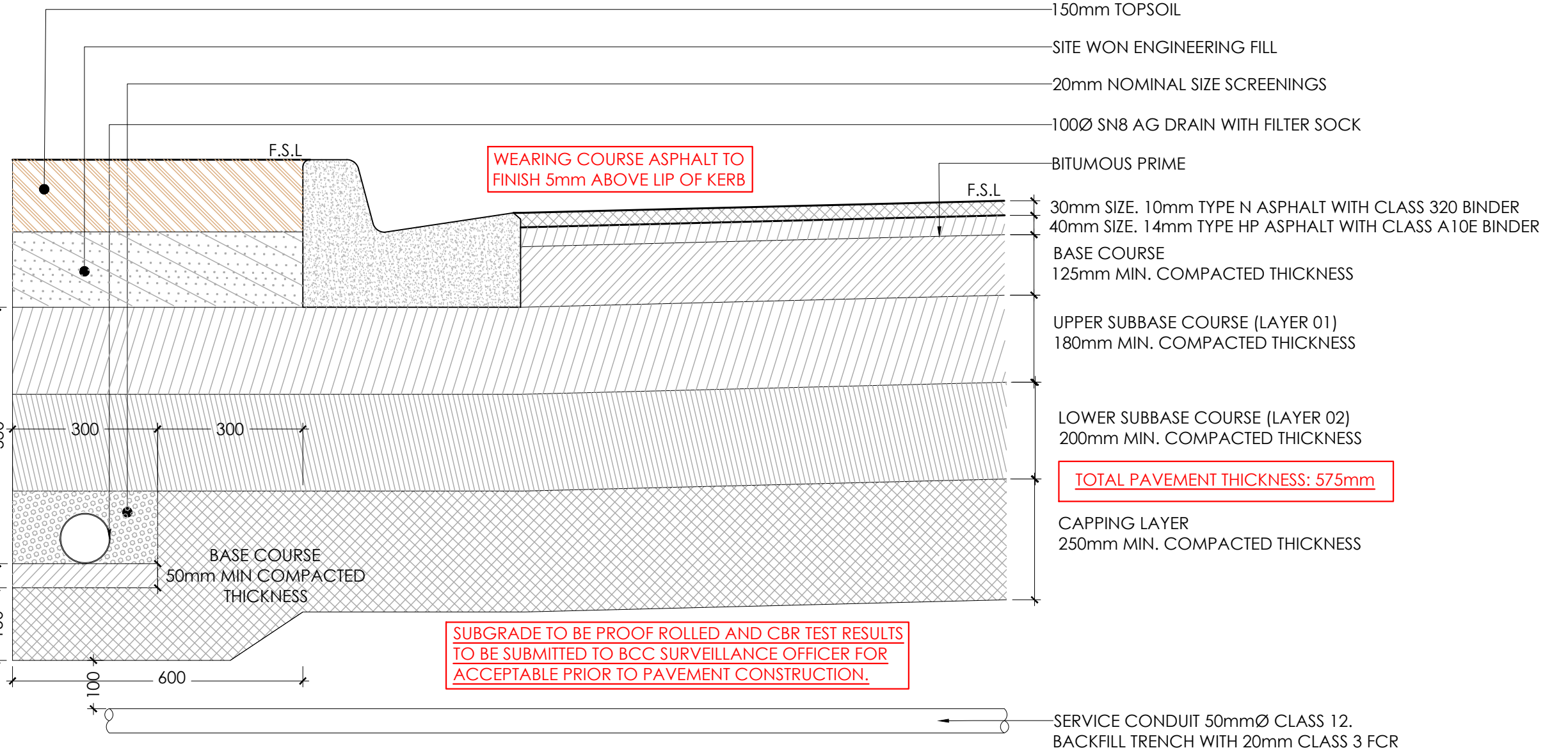


CF.02
CF.02 - 2.5m WIDE CONCRETE SHARED PATH PAVEMENT DETAIL
SCALE 1:10

- PAVEMENT DESIGN BASED ON THE FOLLOWING ASSUMPTIONS:
- **IN ACCORDANCE WITH BCC STANDARD DWG S350**

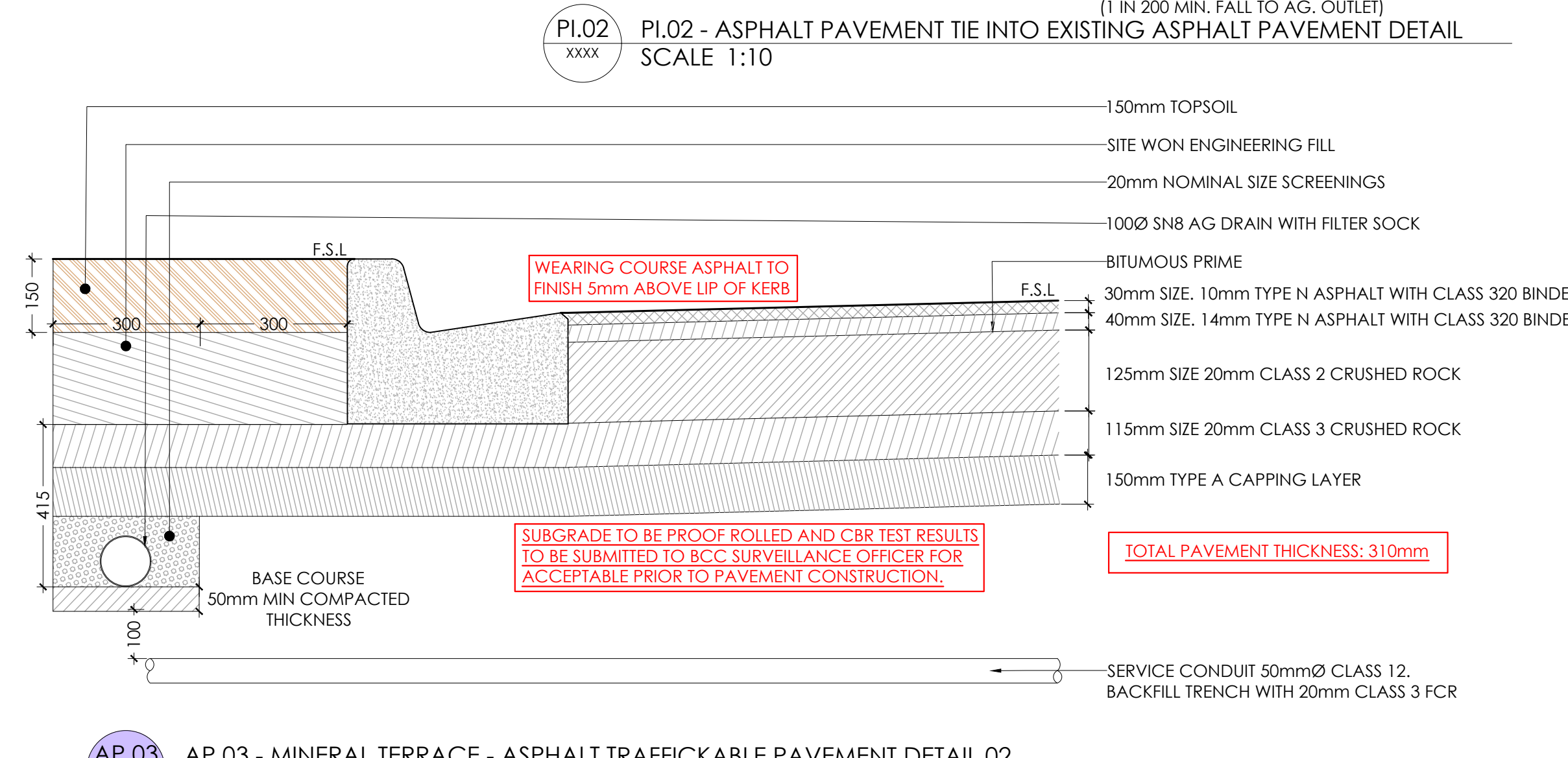


PI.02
PI.02 - ASPHALT PAVEMENT TIE INTO EXISTING ASPHALT PAVEMENT DETAIL
SCALE 1:10



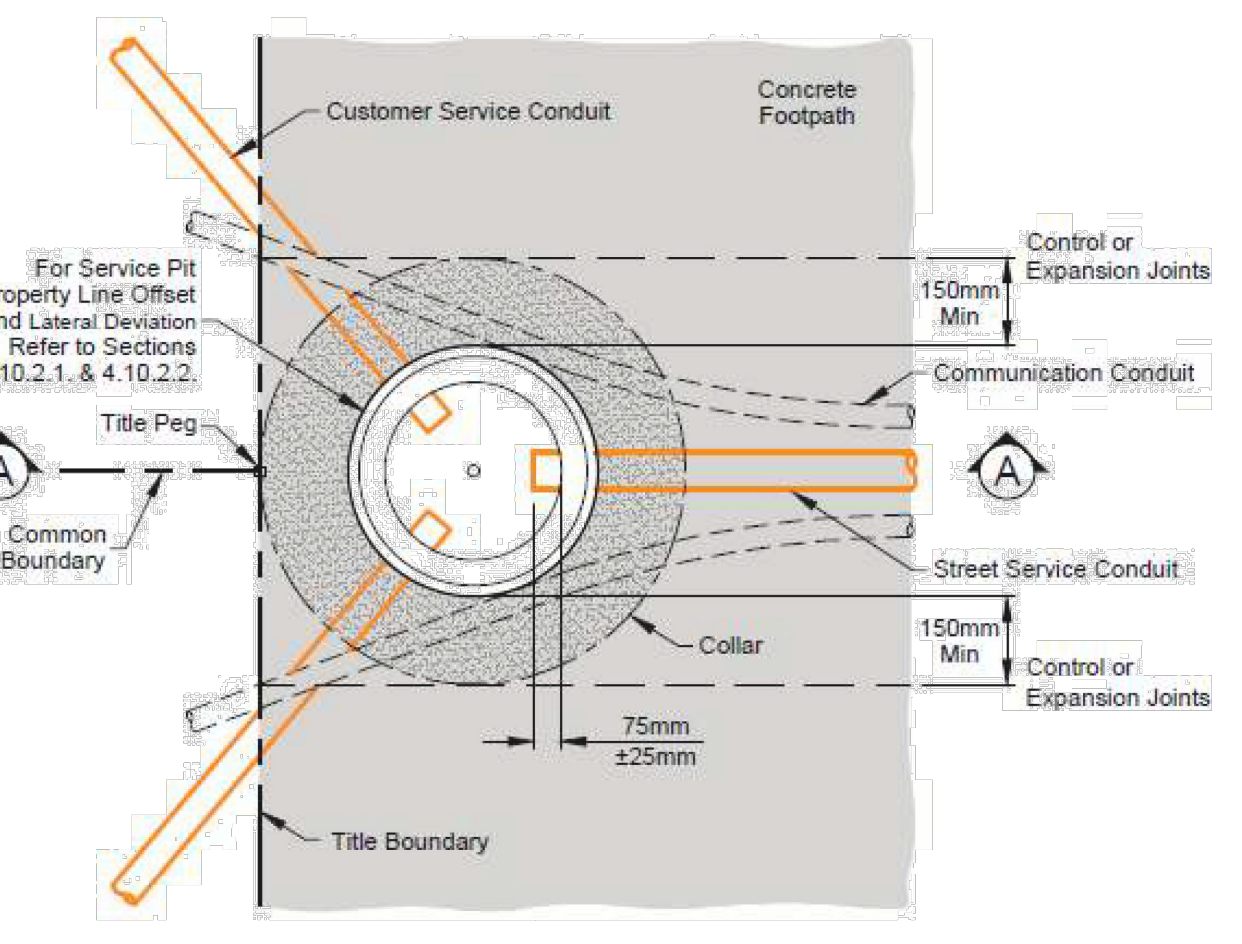
AP.01
AP.01 - MINERAL TERRACE - ASPHALT TRAFFICKABLE PAVEMENT DETAIL
SCALE 1:10

- PAVEMENT DESIGN IS BASED ON THE THE GEOTECHNICAL ENGINEERS DESIGN:
- **REPORT REF:** TONKIN AND TAYLOR 1000780.R02.V7 DATED JULY 2022.
 - CBR VALUE = 1.0% (AS STATED BY GEOTECHNICAL ENGINEER)
 - DESIGN LOADING = 2.4x10⁸ HVAG (AS STATED BY GEOTECHNICAL ENGINEER)
 - **FOUNDED ON CLAY SUBGRADE**

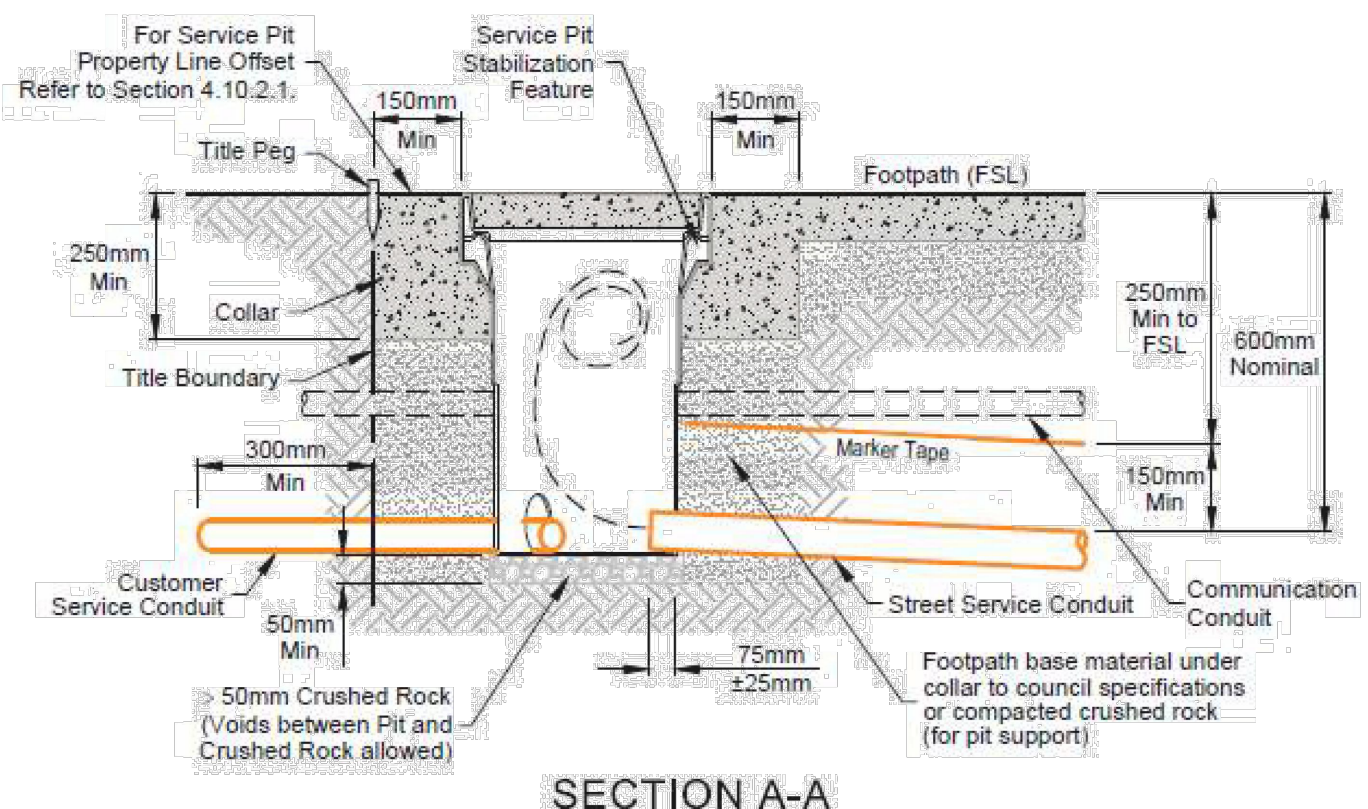


AP.03
AP.03 - MINERAL TERRACE - ASPHALT TRAFFICKABLE PAVEMENT DETAIL 02
SCALE 1:10

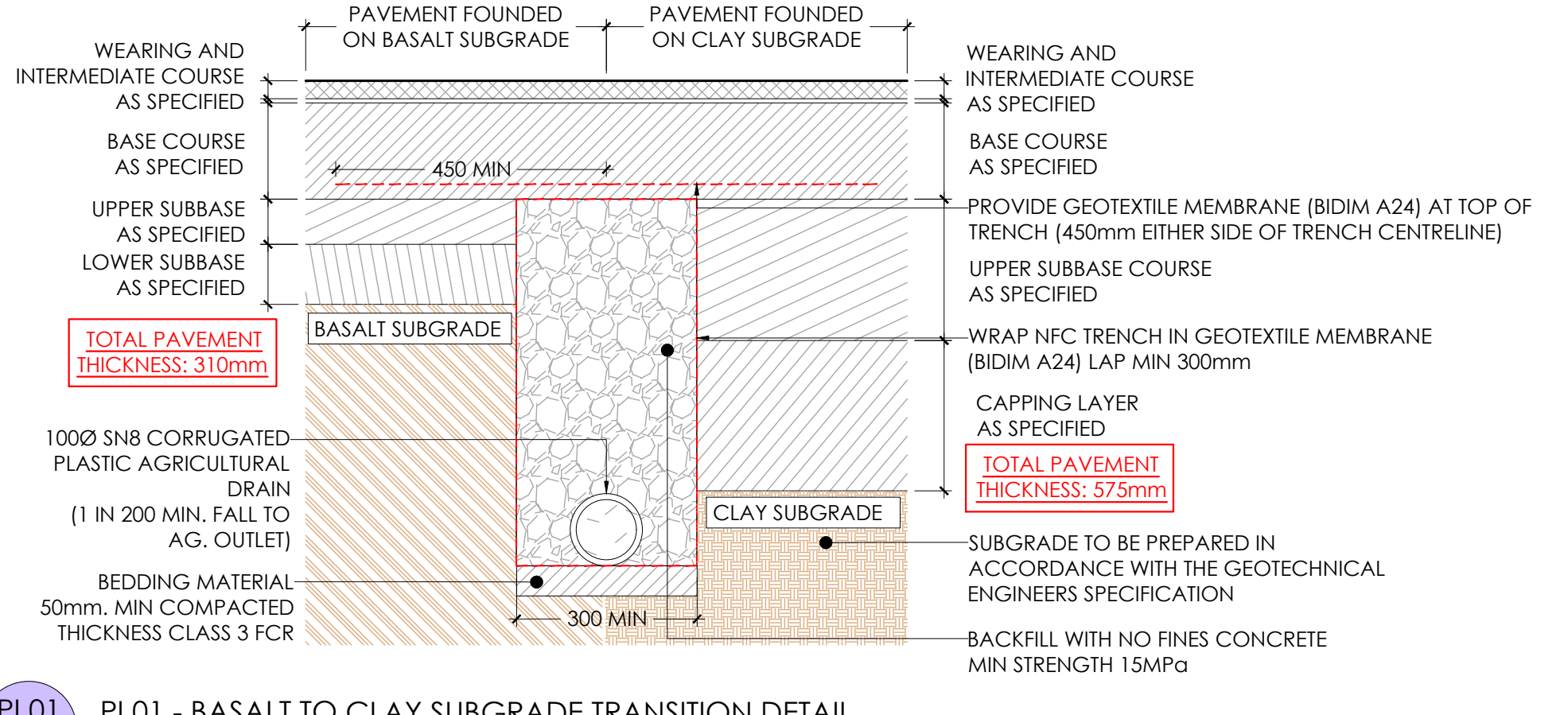
- PAVEMENT DESIGN IS BASED ON THE THE GEOTECHNICAL ENGINEERS DESIGN:
- **REPORT REF:** TONKIN AND TAYLOR 1000780.R02.V7 DATED JULY 2022.
 - CBR VALUE = 15% (AS STATED BY GEOTECHNICAL ENGINEER)
 - DESIGN LOADING = 2.4x10⁸ HVAG (AS STATED BY GEOTECHNICAL ENGINEER)
 - **FOUNDED ON WEATHERED BASALT SUBGRADE**



PLAN VIEW
(Service Pit Lid and Marker Tape Removed for Clarity)
Figure 48 - Footpath or Driveway Installation



SECTION A-A
YESI ELECTRICAL PIT ON FOOTPATH DETAIL
SCALE N.T.S.



PI.01
PI.01 - BASALT TO CLAY SUBGRADE TRANSITION DETAIL
SCALE 1:10

| TABLE.01 - VICTORIA ASPHALT PAVEMENT SPECIFICATION | | |
|--|--|---|
| LAYER | MATERIAL SPECIFICATION | COMPACTION SPECIFICATION |
| BASE COURSE | SIZE 20mm CLASS 2 CRUSHED ROCK COMPLYING WITH VICROADS SPECIFICATION SECTION 812. | COMPACTED TO ACHIEVE A MINIMUM 98% (MODIFIED) IN ACCORDANCE WITH AS 1289.5.2.1. |
| UPPER & LOWER SUBBASE COURSE | SIZE 20mm CLASS 3 CRUSHED ROCK COMPLYING WITH VICROADS SPECIFICATION SECTION 812. | COMPACTED TO ACHIEVE A MINIMUM 98% (MODIFIED) IN ACCORDANCE WITH AS 1289.5.2.1. |
| SELECT FILL | SIZE 40mm CLASS 4 CRUSHED ROCK COMPLYING WITH VICROADS SPECIFICATION SECTION 812. | COMPACTED TO ACHIEVE A MINIMUM 98% (STANDARD) IN ACCORDANCE WITH AS 1289.5.1.1. |
| CAPPING LAYER | 250mm IMPORTED CAPPING LAYER MATERIAL MEETING THE FOLLOWING PROPERTIES: CBR >7%, SWELL <1.5%, PERMEABILITY k < 5x10 ⁻⁷ cm/s | COMPACTED TO ACHIEVE A MINIMUM 98% (STANDARD) IN ACCORDANCE WITH AS 1289.5.1.1. |

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Be aware of underground services. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

NOTE:
T&T GEOTECHNICAL ENGINEER TO BE NOTIFIED FOR INSPECTION AND ADVICE ON PAVEMENT WHEN BASALT ROCK LAYER OR BOULDER IS ENCOUNTERED AT THE SUBGRADE

NOTE: PAVEMENT DESIGN IN ACCORDANCE WITH TONKIN & TAYLOR GEOTECHNICAL REPORT # 1000780.R02.V7 (JULY 2022)

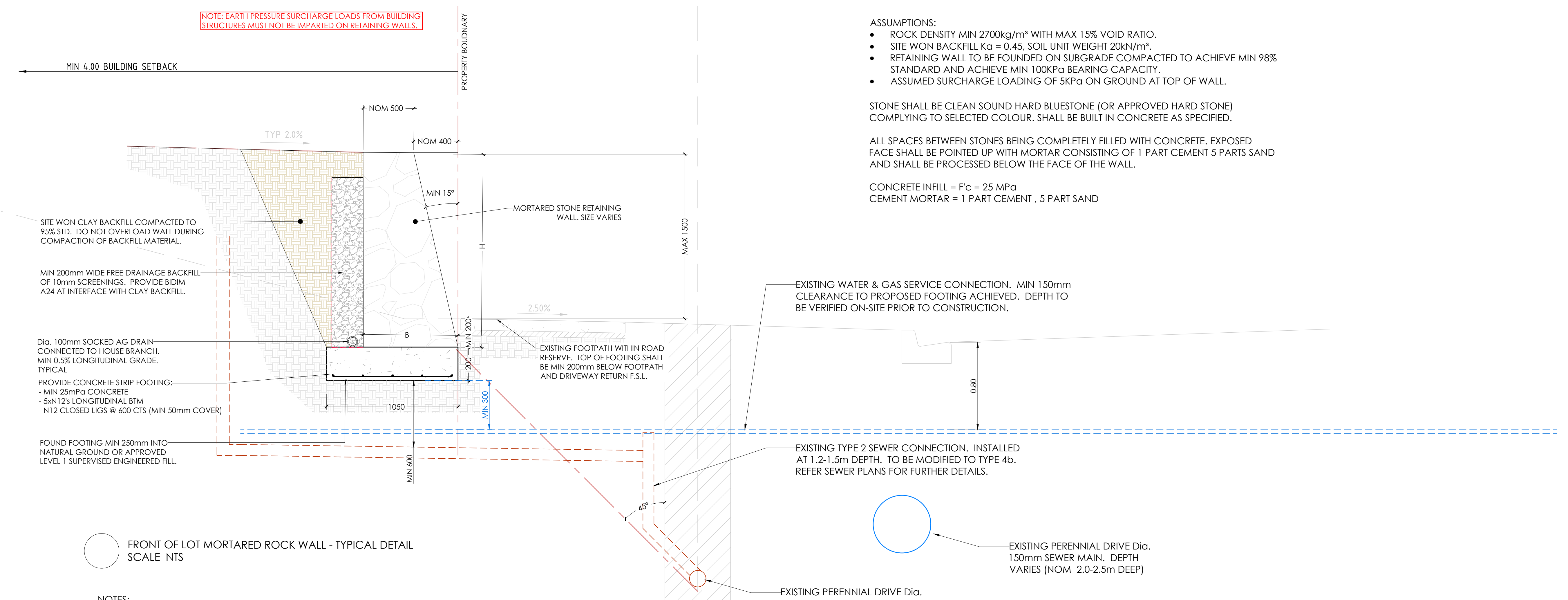


Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Drawing Title: CONSTRUCTION DETAILS - PAVEMENTS & KERBS
Drawn By: SP
Checked By: VE
Drawn Scale: AS SHOWN @ A1
Date of first issue: 18.09.23

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 8000 | 0 |

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ASSUMPTIONS:

- ROCK DENSITY MIN 2700kg/m³ WITH MAX 15% VOID RATIO.
- SITE WON BACKFILL K_a = 0.45, SOIL UNIT WEIGHT 20kN/m³.
- RETAINING WALL TO BE FOUNDED ON SUBGRADE COMPACTED TO ACHIEVE MIN 98% STANDARD AND ACHIEVE MIN 100KPa BEARING CAPACITY.
- ASSUMED SURCHARGE LOADING OF 5KPa ON GROUND AT TOP OF WALL.

STONE SHALL BE CLEAN SOUND HARD BLUESTONE (OR APPROVED HARD STONE) COMPLYING TO SELECTED COLOUR. SHALL BE BUILT IN CONCRETE AS SPECIFIED.

ALL SPACES BETWEEN STONES BEING COMPLETELY FILLED WITH CONCRETE. EXPOSED FACE SHALL BE POINTED UP WITH MORTAR CONSISTING OF 1 PART CEMENT 5 PARTS SAND AND SHALL BE PROCESSED BELOW THE FACE OF THE WALL.

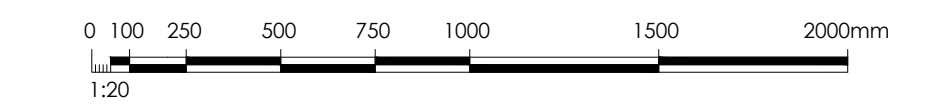
CONCRETE INFILL = F'c = 25 MPa
 CEMENT MORTAR = 1 PART CEMENT , 5 PART SAND

- NOTES:**
- ANY TRENCHES WITHIN 1.5m OF STONE RETAINING WALL TO BE BACKFILLED WITH INCOMPRESSIBLE MATERIAL, EG SAND, CRUSHED ROCK.
 - BASE FOUNDATION TO BE APPROVED BY ENGINEER BEFORE PROCEEDING FURTHER.
 - CROSSING SEWER SPUR BRANCHES TO BE CONSTRUCTED AS PER MRWA-S-209. 0.6m MINIMUM VERTICAL AND HORIZONTAL CLEARANCE REQUIRED TO RETAINING WALL FOOTINGS.

| TABLE.01 - ROCKWORK - RETAINING WALL SCHEDULE - 5kPa SURCHARGE | | | |
|--|---------------|----------------|-----------------------|
| RETAINED HEIGHT (H) | SLANT OF FACE | TOP ROCK WIDTH | BASE ROCK WIDTH (B) |
| 0mm - 1700mm | 15 DEGREES | 500mm (MIN) | 0.6 x WALL HEIGHT (H) |

ASSUMPTIONS:

- ROCK DENSITY MIN 2700kg/m³ WITH MAX 15% VOID RATIO.
- SITE WON BACKFILL K_a = 0.45, SOIL UNIT WEIGHT 20kN/m³.
- RETAINING WALL TO BE FOUNDED ON SUBGRADE COMPACTED TO ACHIEVE MIN 98% STANDARD AND ACHIEVE MIN 100KPa BEARING CAPACITY.
- ASSUMED SURCHARGE LOADING OF 5KPa ON WALL.



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | RP | TS |

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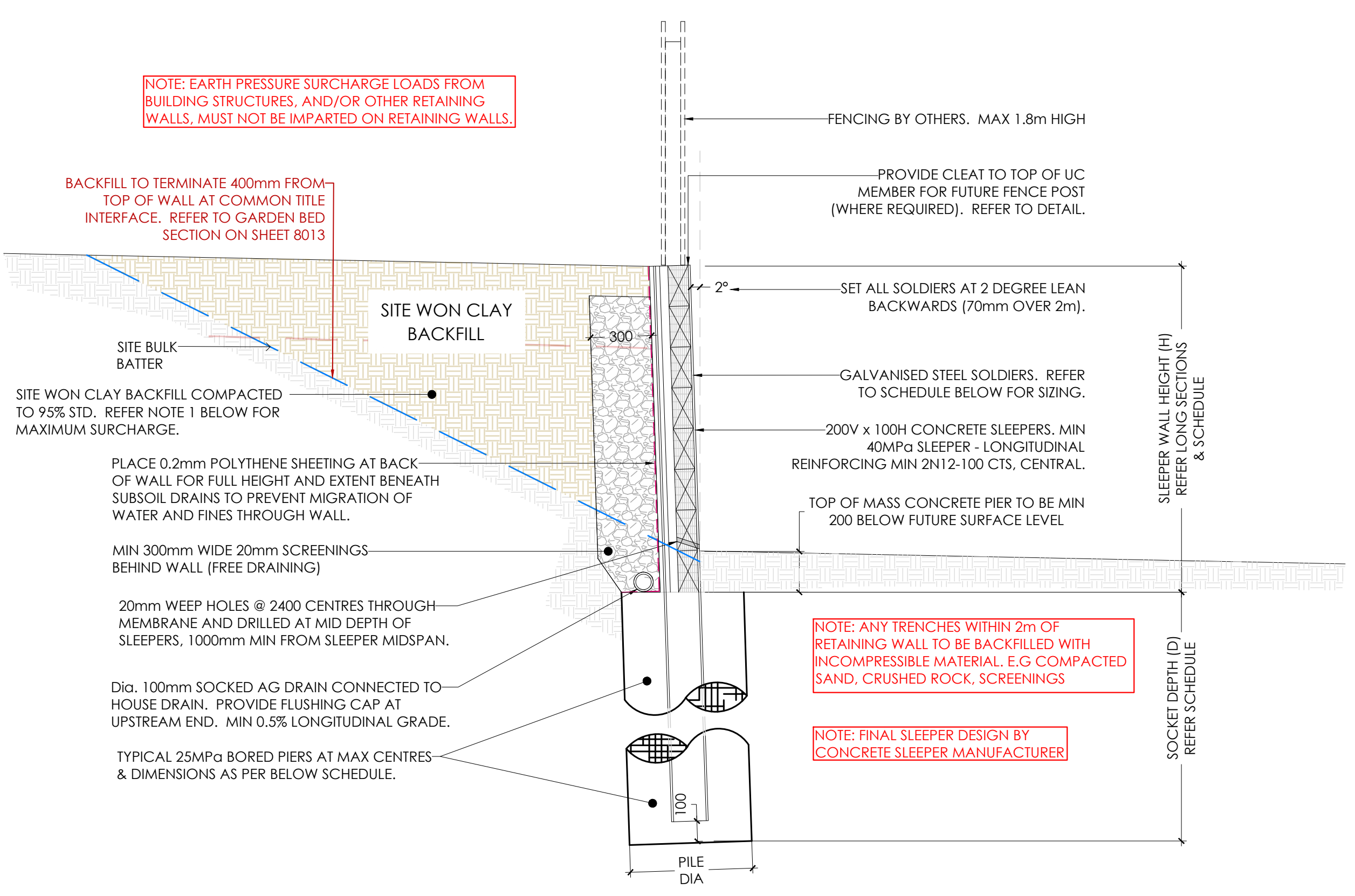
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| | | | |
|-----------------------------------|----------------|---|-------------------------------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing File: CONSTRUCTION DETAILS - RETAINING WALLS (SHEET 1 OF 2) | |
| Client: YOURLAND | | Revision: 0 | |
| Drawn By: RP | Checked By: VB | Drawn Scale: AS SHOWN @ A1 | Date of first issue: 18.09.23 |
| Project Number: 15006 | Origin: CJA | Zone: 7D4 | Level: XX |
| File Type: DR | Issue: C | Number: 8020 | Revision: 0 |

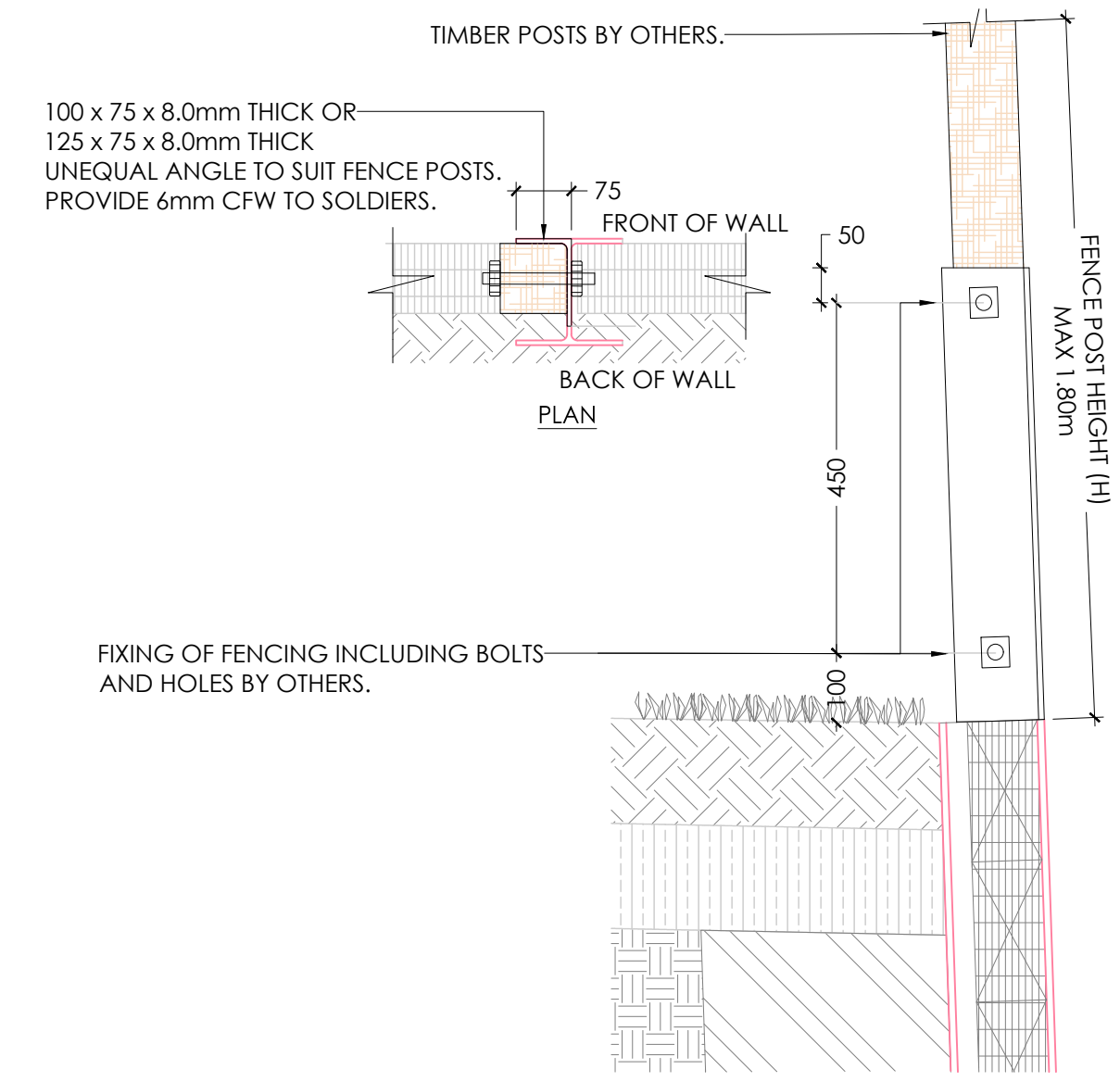


RW.03 RW.03a - PRE-CAST SLEEPER RETAINING WALL - FOOTING TYPE 1
SCALE NTS

- NOTES:**
- DESIGN LOADS ARE:
 - 5Kpa WHERE RETAINING LOTS/LANDSCAPING RESERVES
 - WHERE COMPACTION EQUIPMENT LOADS EXCEEDS THE ABOVE DESIGN LOAD, ALLOW TO TEMPORARILY PROP THE FACE OF THE WALL.
 - SOCKET DEPTH IS DEPTH INTO APPROVED NATURAL GROUND OR APPROVED SUPERVISED ENGINEERED FILL. TABULATED SOCKET DEPTHS ARE BASED ON THE GROUND ON THE HIGH SIDE OF THE WALL BEING HORIZONTAL. SHOULD THERE BE AN INCLINE BEHIND THE TOP OF WALL OF UP TO 1V:4H MAX: ADOPT THE DESIGN FOR HEIGHT (H) = 1.2 x ACTUAL WALL HEIGHT.
 - WHERE THE LONGITUDINAL SLOPE ALONG AND PARALLEL TO THE BASE OF THE WALL IS STEEPER THAN 1V:3H, ADOPT THE DESIGN FOR HEIGHT (H) = 1.2 x ACTUAL WALL HEIGHT.
 - WHERE THE SOCKET DEPTH EXTENDS INTO APPROVED BASALT ROCK, SOCKET DEPTH SHALL BE THE LESSER OF THE DEPTH NOTED IN THE BELOW SCHEDULE AND MIN 1.2m INTO THE APPROVED HIGH STRENGTH BASALT PROFILE.
 - BORE HOLES FOR PIERS SHALL BE CLEAN OF LOOSE SOIL AND DEBRIS. DO NOT BORE HOLES WHEN RAIN IS EXPECTED.
 - ALL SLEEPERS ARE TO BE SLEEPER DIRECT RUSTIC WOODGRAIN SLEEPER - CHARCOAL.

| RETAINED HEIGHT | H.D GALV. SOLDERS | MAX. SOLDER SPACING | PIER DIAMETER (PØ) | SOCKET DEPTH (D) |
|-----------------|-------------------|---------------------|--------------------|------------------|
| 0mm - 600mm | 150 UC 23 | 2400mm | 600mm | 1500mm |
| 601mm - 900mm | 150 UC 23 | 2400mm | 600mm | 1800mm |
| 901mm - 1200mm | 150 UC 23 | 2400mm | 600mm | 2100mm |
| 1201mm - 1500mm | 150 UC 23 | 2400mm | 600mm | 2400mm |
| 1501mm - 1800mm | 150 UC 23 | 2400mm | 600mm | 2800mm |
| 1801mm - 2100mm | 150 UC 23 | 1800mm | 600mm | 2800mm |
| 2101mm - 2400mm | 150 UC 30 | 1800mm | 600mm | 3100mm |
| 2401mm - 2700mm | 150 UC 37 | 1800mm | 600mm | 3500mm |
| 2701mm - 3000mm | 200 UC 46 | 1800mm | 600mm | 3800mm |
| 3001mm - 3300mm | 200 UC 52 | 1800mm | 600mm | 4100mm |

* SOCKET DEPTH (D) DENOTES DEPTH INTO NATURAL GROUND (U.N.O)



RW.04 RW.04 - PRE-CAST SLEEPER - FENCE CONNECTION DETAIL
SCALE 1:10

| REVISED | DATE | REASON | BY | TS |
|---------|----------|-------------------------|----|----|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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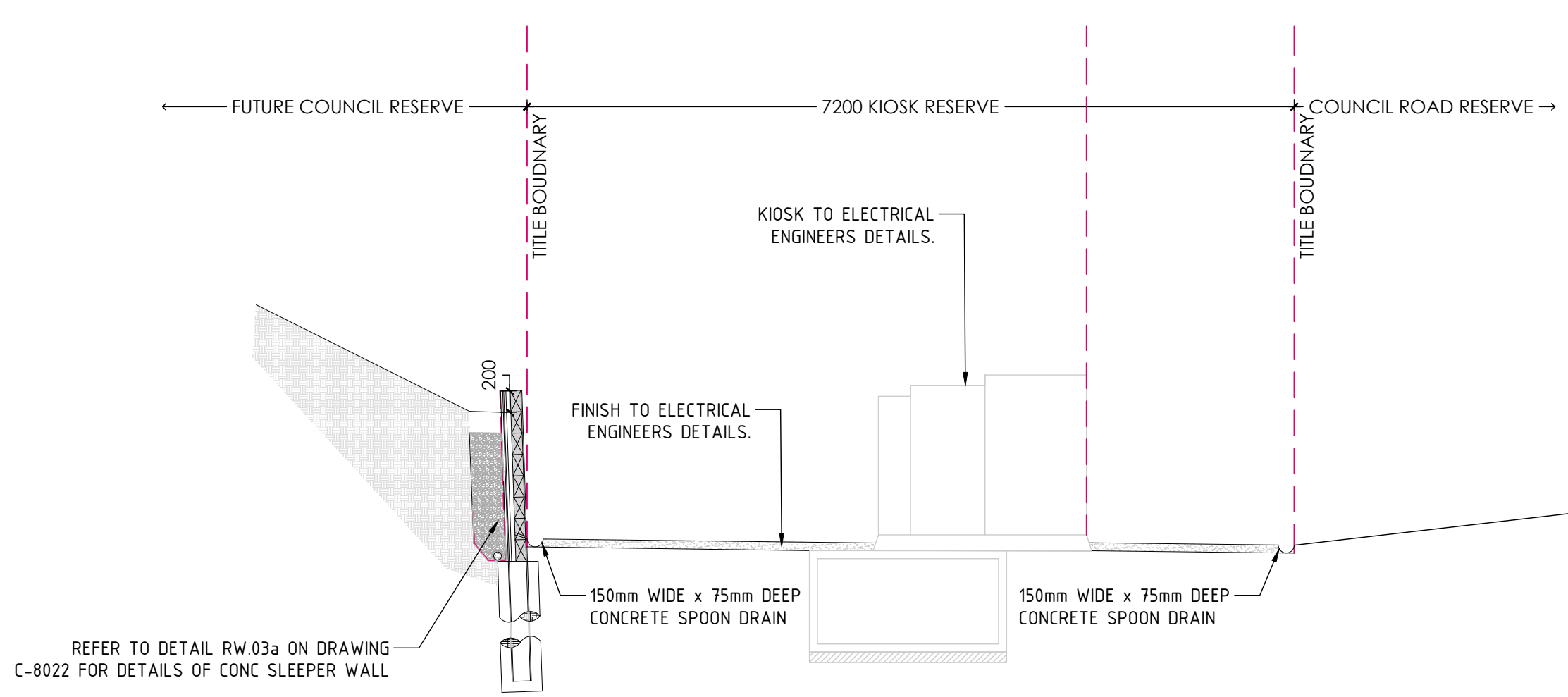
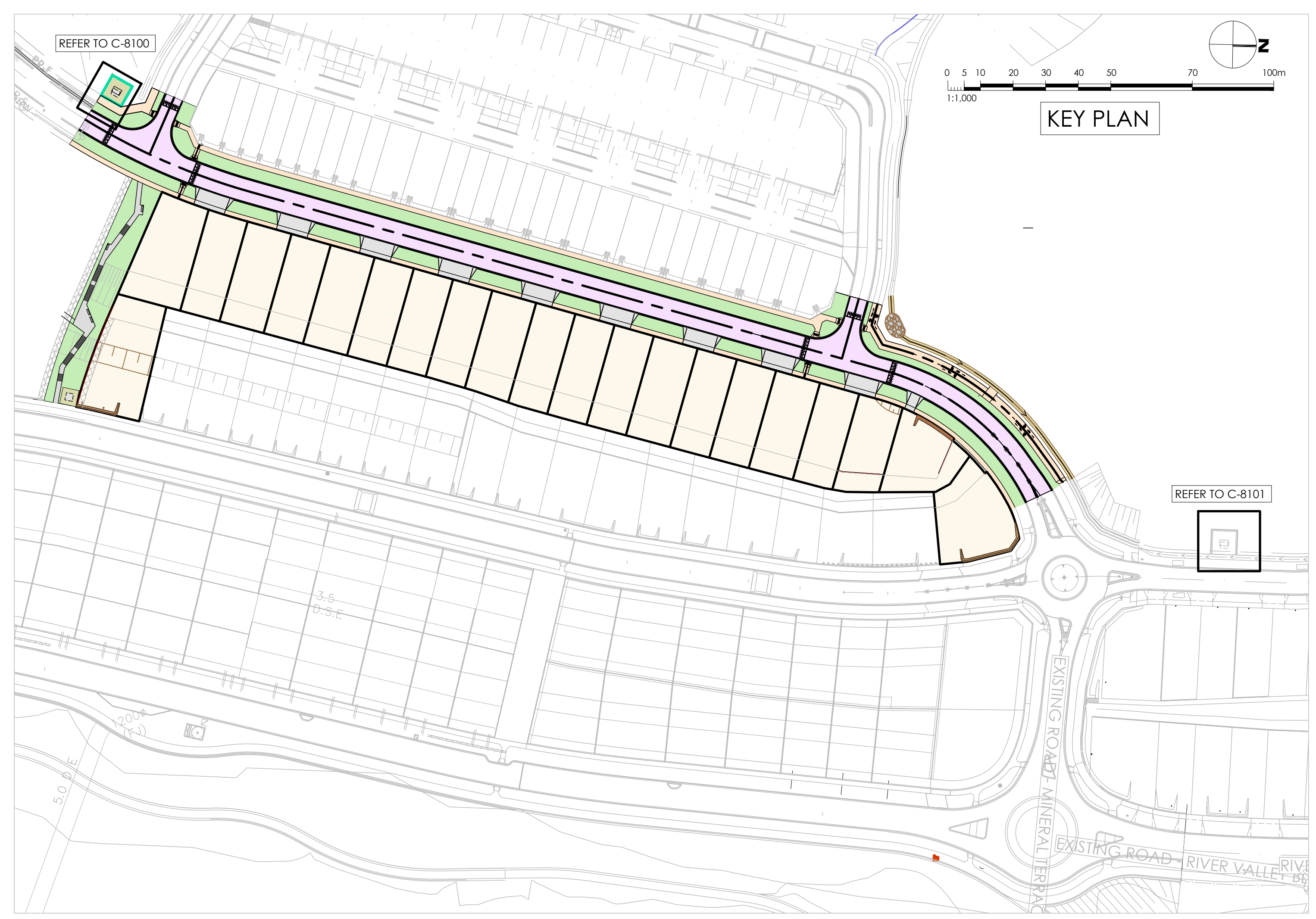
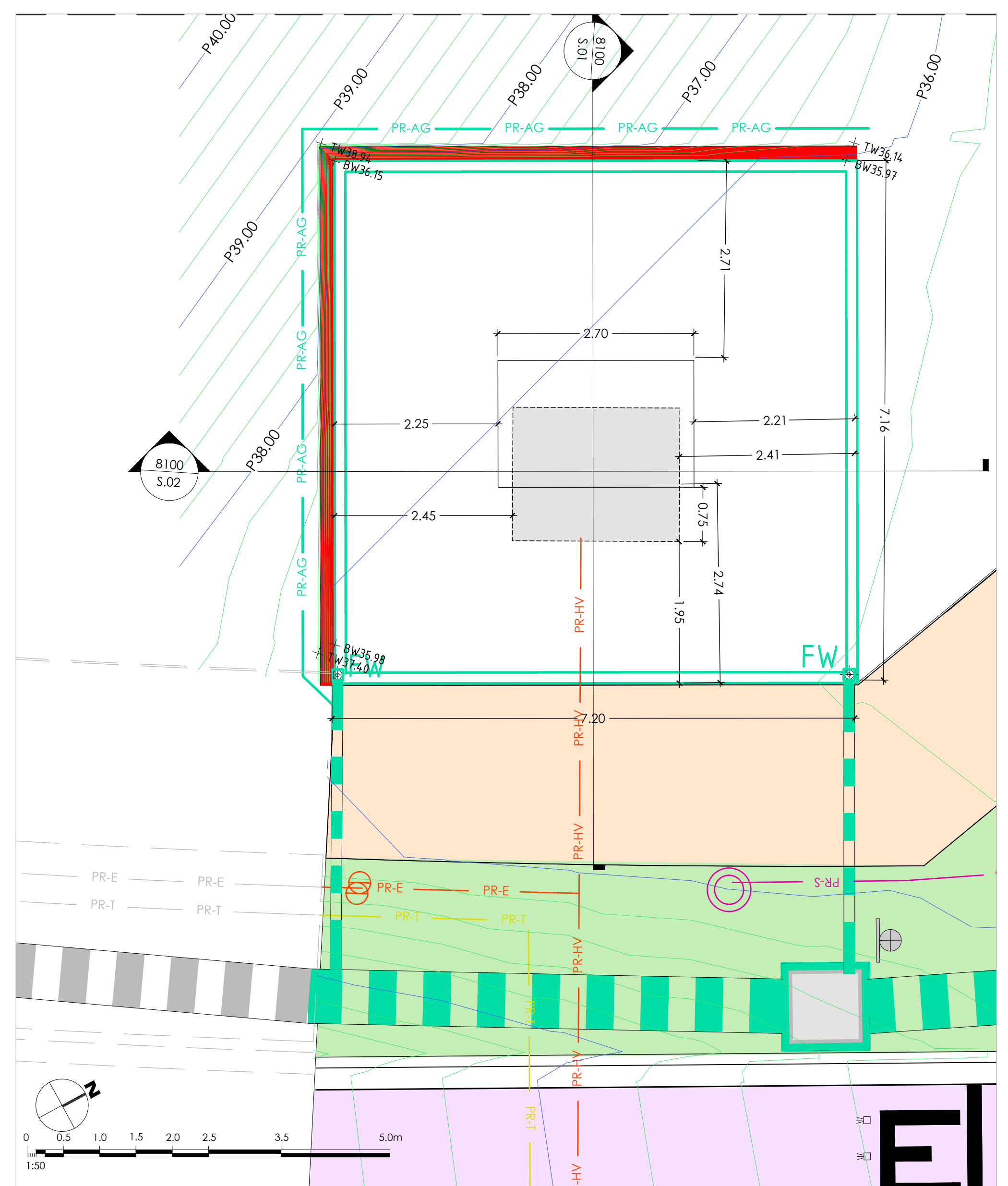


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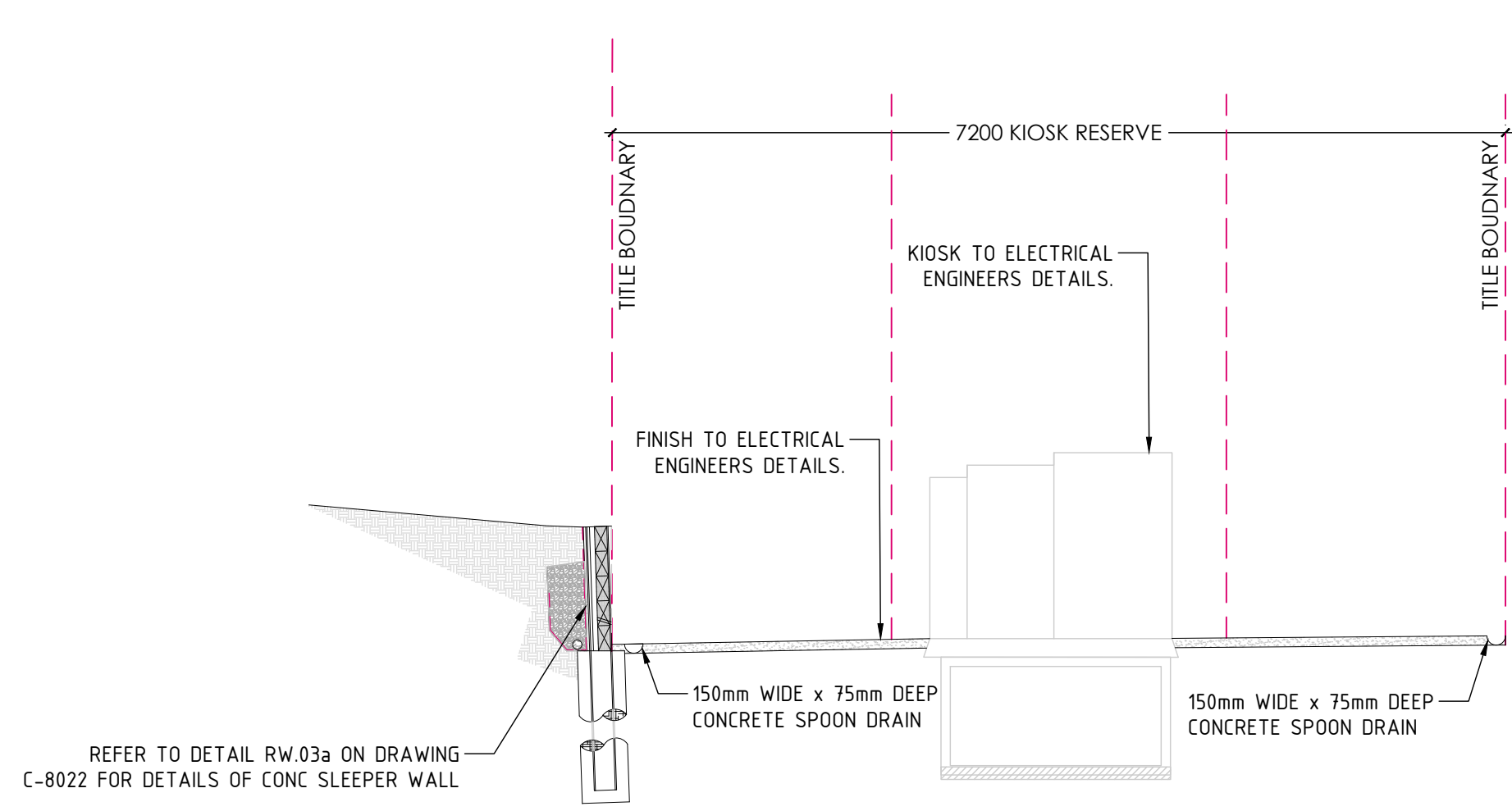
Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Purpose: FOR CONSTRUCTION

Drawn By: BP
Checked By: VE
Drawn Scale: AS SHOWN @ A1
Date of first issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 8021 | 0 |



S.01 HV KIOSK - SECTION VIEW
SCALE 1:50



S.02 HV KIOSK - SECTION VIEW
SCALE 1:50

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | SP | TS |

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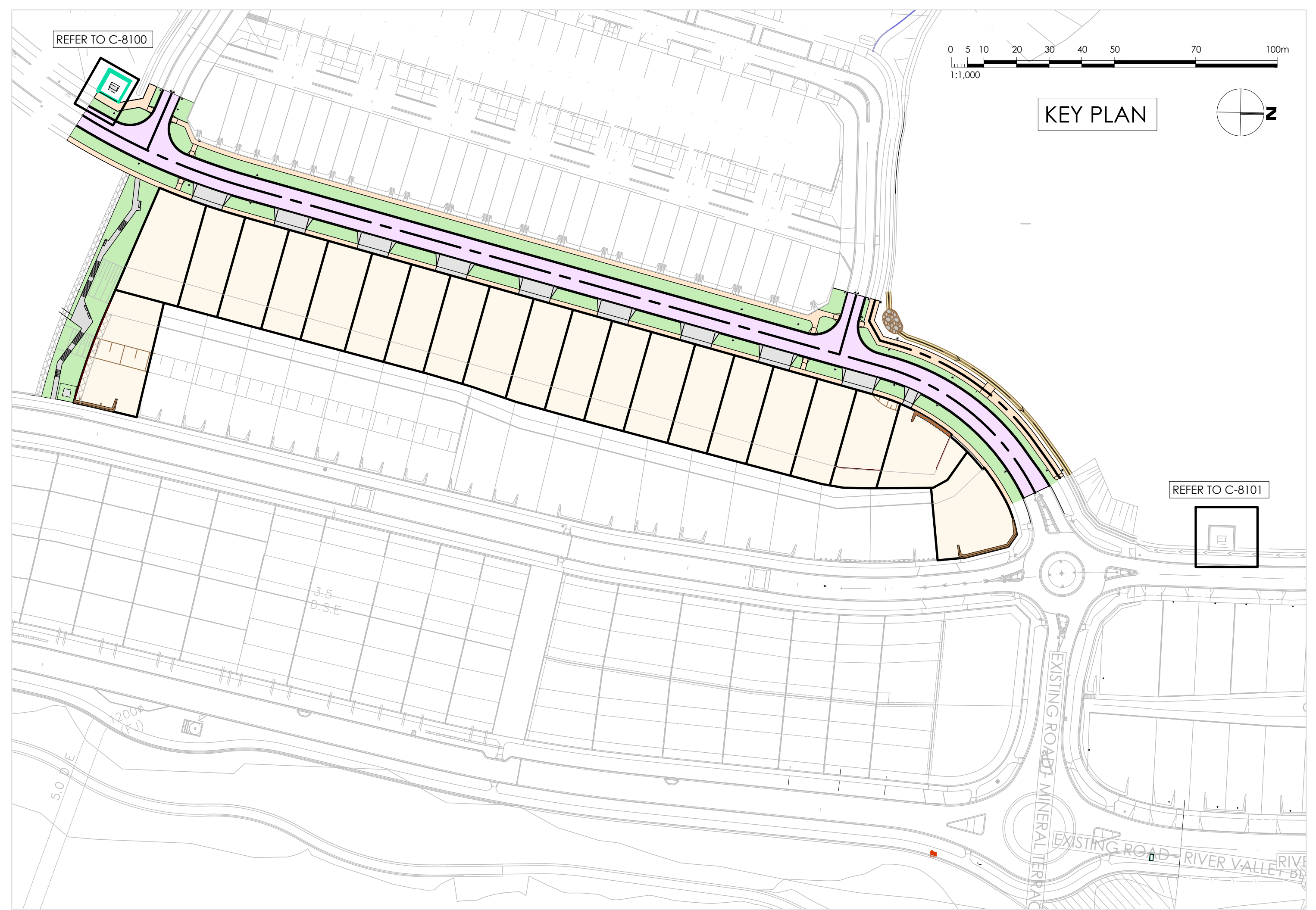
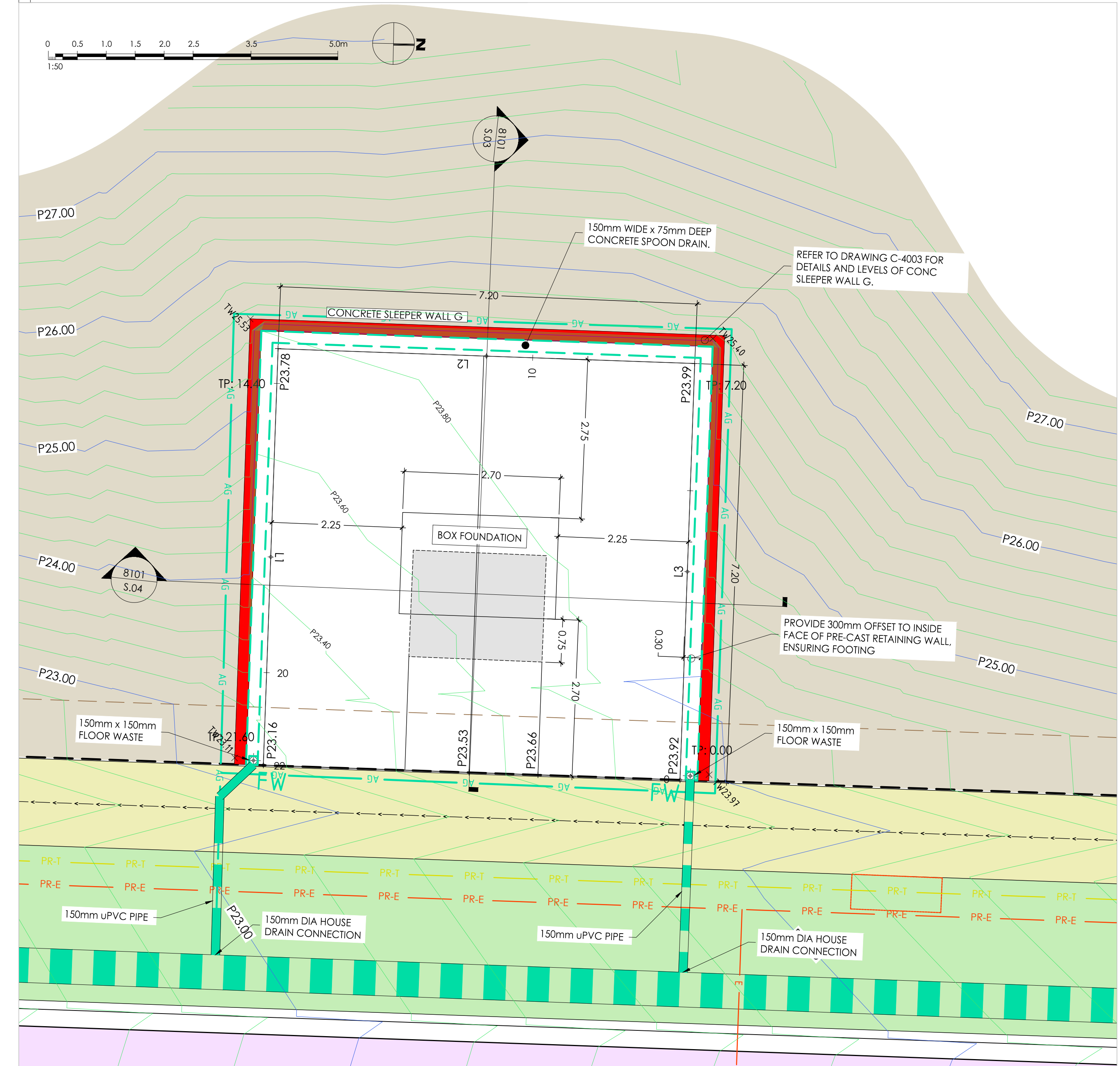
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FOR CONSTRUCTION

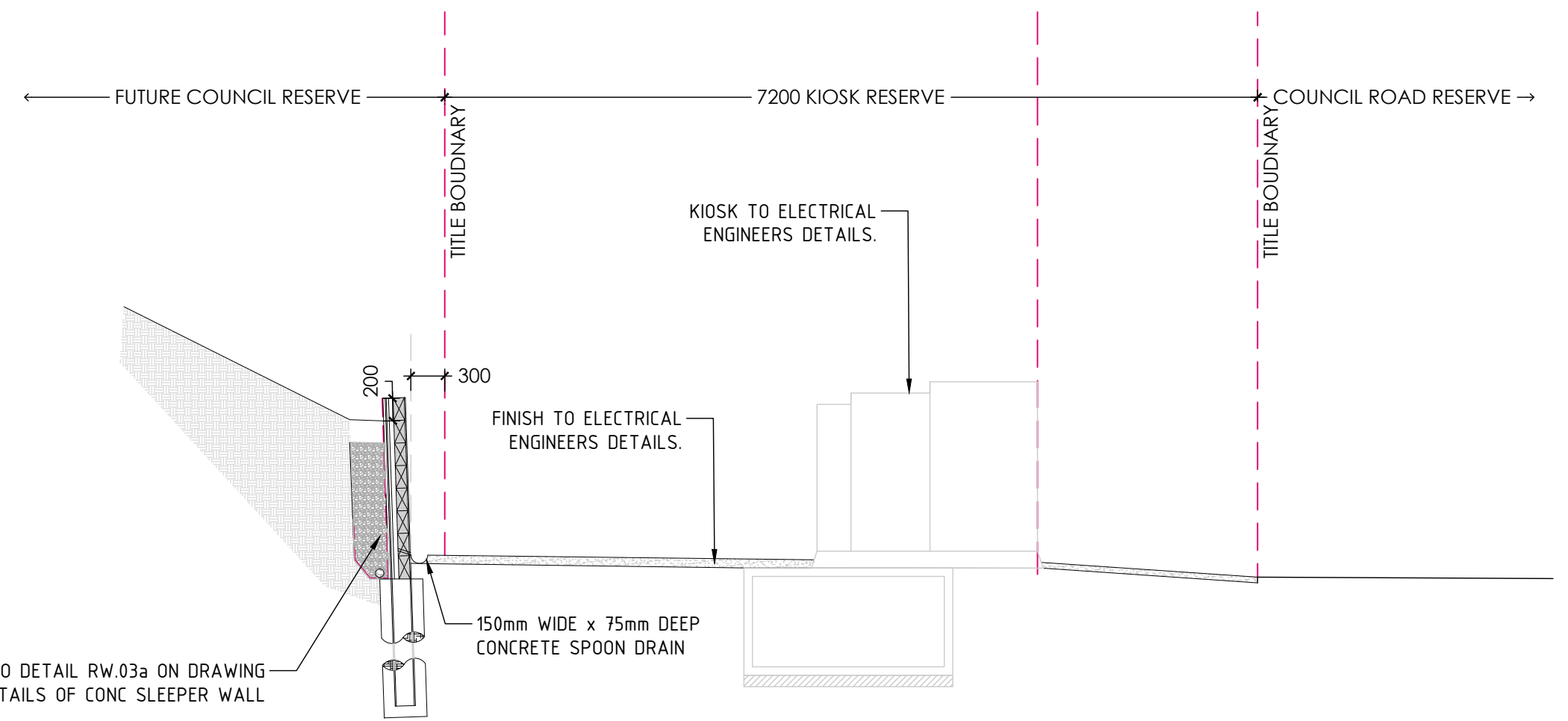


| | | | |
|------------------------------------|--------------------|--|----------------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing File: CONSTRUCTION SETOUT - HV KIOSK | |
| Client: YOURLAND | | Date of First Issue: 18.09.23 | |
| Purpose of Issue: FOR CONSTRUCTION | | Drawn By: SP | Checked By: VB |
| Project Number: 15006 | Zone: CJA | Level: 7D4 | File Type: DR |
| Revision: 0 | Issue Number: 8100 | Revision: 0 | |

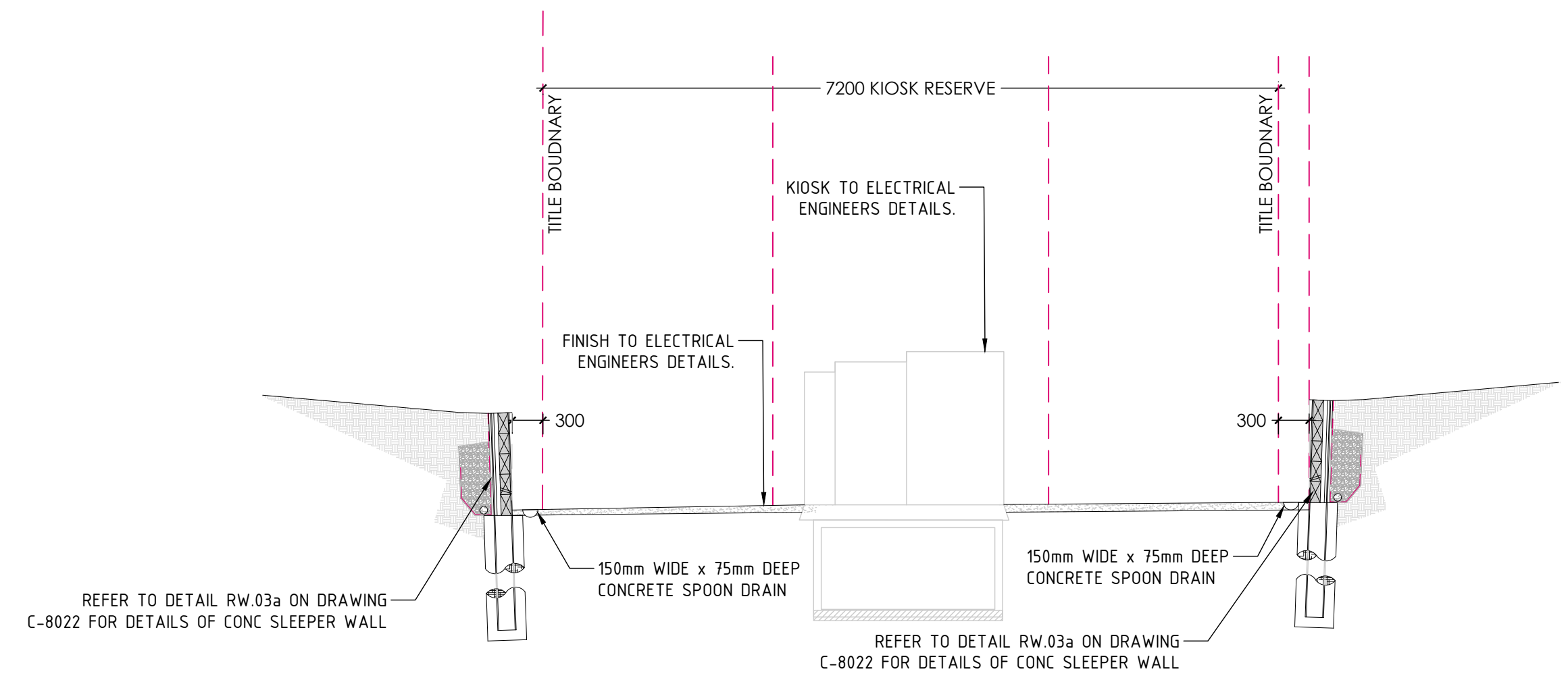
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| Set Out Table for E | | | | |
|---------------------|-------|----------|------------|-----|
| TAG | | CHAINAGE | EASTING | NO |
| L3 | START | 0.00 | 31034.1089 | 581 |
| | END | 7.20 | 31033.889 | 581 |



S.03 HV KIOSK - SECTION VIEW
8101 SCALE 1:50



S.04 HV KIOSK - SECTION VIEW
8101 SCALE 1:50

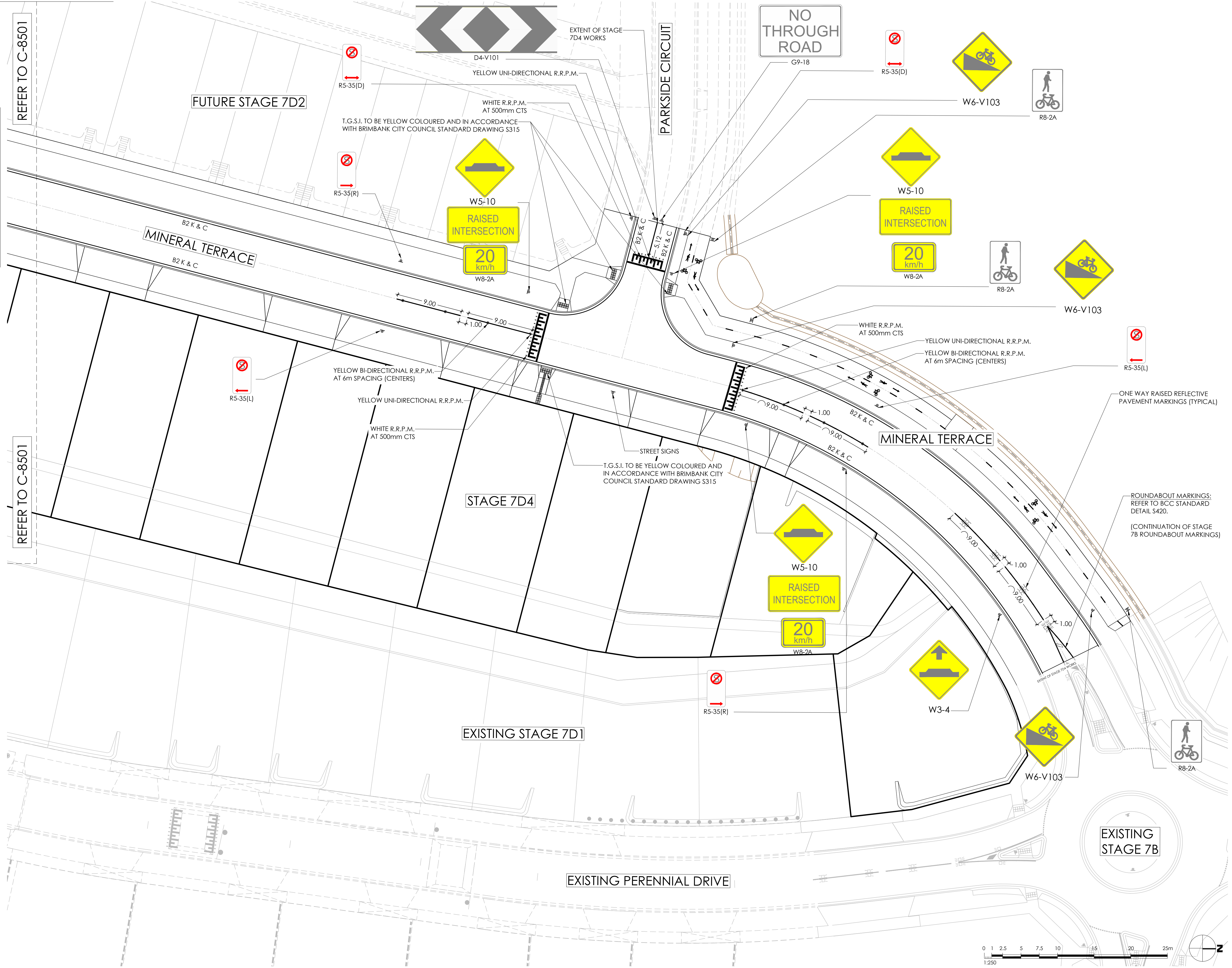
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- DRAWING NOTES:**
1. ALL WORKS TO BE IN ACCORDANCE WITH AS 1742. ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH VICROADS AND TRAFFIC MANUALS.
 2. LINEMARKING SET-OUT SHALL BE INSPECTED AND APPROVED PRIOR TO FINAL LINEMARKING BEING UNDERTAKEN.
 3. ALL LINEMARKING TO LONG LIFE MATERIAL (DEGADUE).
 4. ANY OBSOLETE LINEMARKING IS TO BE REMOVED BY GRINDING STRIPPING OR THE APPLICATION OF BITUMEN BINDER AND GRIT PRIOR TO 'NEW' LINEMARKING BEING PLACED.
 5. RAISED PAVEMENT MARKERS ARE TO BE PROVIDED IN ACCORDANCE WITH AS 1742.
 6. ALL SIGNAGE TO BE INSTALLED AS PER BRIMBANK CITY COUNCIL DETAIL S520.
 7. ALL T.G.S.I. TO BE YELLOW COLOURED AND IN ACCORDANCE WITH BRIMBANK CITY COUNCIL STANDARD DRAWING S315.



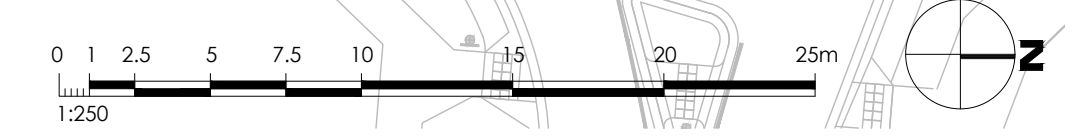
| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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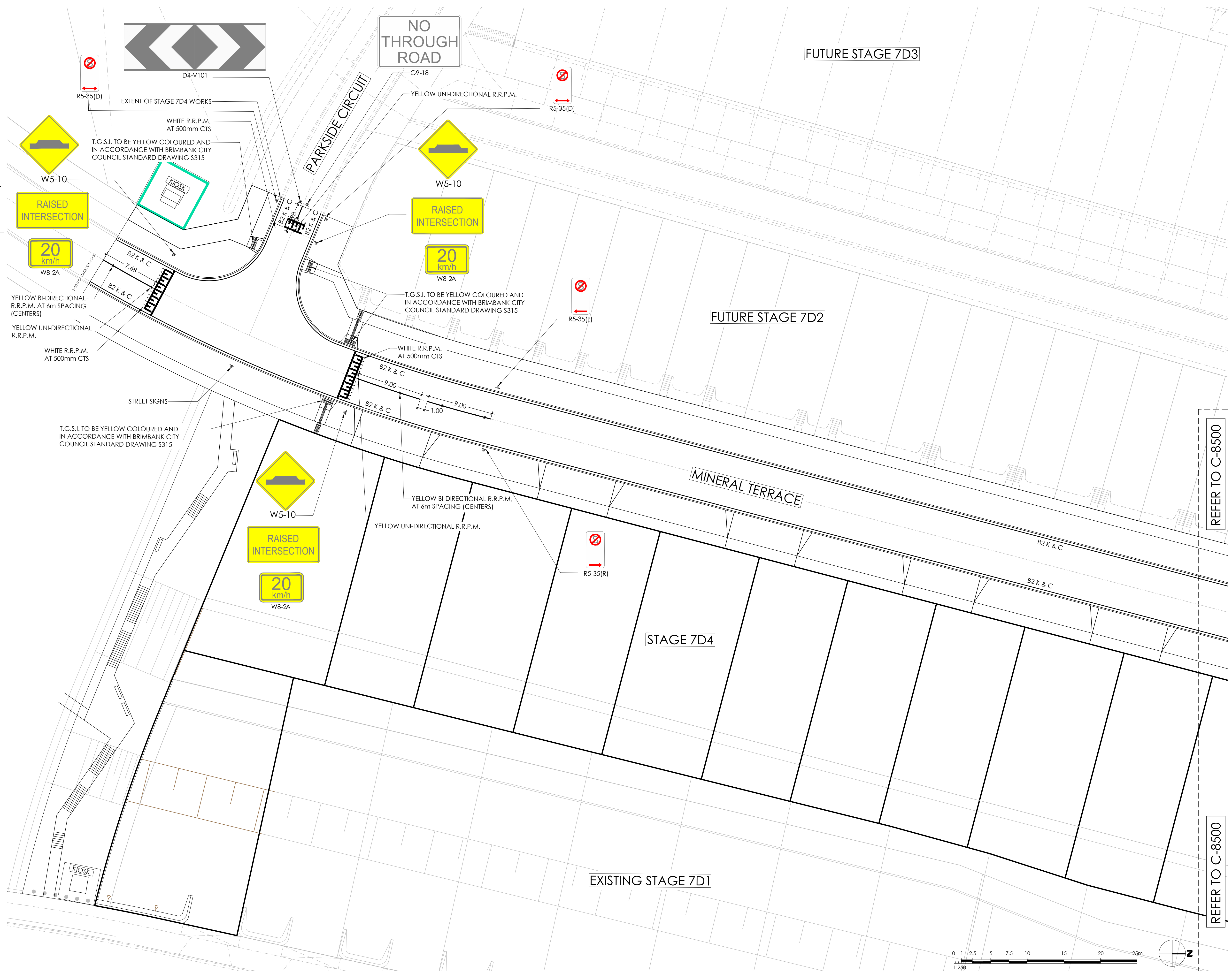
FOR CONSTRUCTION



| | | | |
|-----------------------------------|----------------|--|-------------------------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing title: SIGNAGE AND LINEMARKING PLAN (SHEET 1 OF 2) | |
| Client: YOURLAND | | Revision: 1 | |
| Project Number: 15006 | | Date of first issue: 18.09.23 | |
| Drawn by: BP | Checked by: VE | Drawn Scale: 1:250 @ A1 | Date of issue: 18.09.23 |
| Project Number: 15006 | Client: CJA | Zone: 7D4 | Level: XX |
| File Type: DR | Revision: C | Number: 8500 | Revision: 0 |

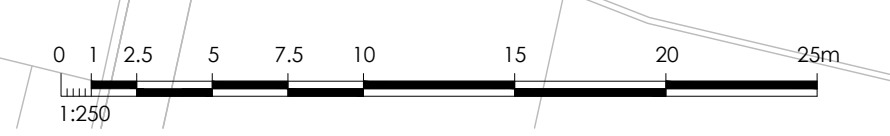
www.cjarms.com

- DRAWING NOTES:**
1. ALL WORKS TO BE IN ACCORDANCE WITH AS 1742. ALL LINEMARKING AND SIGNAGE TO BE IN ACCORDANCE WITH VICROADS AND TRAFFIC MANUALS.
 2. LINEMARKING SET-OUT SHALL BE INSPECTED AND APPROVED PRIOR TO FINAL LINEMARKING IS UNDERTAKEN.
 3. ALL LINEMARKING TO LONG LIFE MATERIAL (DEGADUE).
 4. ANY OBSOLETE LINEMARKING IS TO BE REMOVED BY GRINDING STRIPPING OR THE APPLICATION OF BITUMEN BINDER AND GRIT PRIOR TO 'NEW' LINEMARKING BEING PLACED.
 5. RAISED PAVEMENT MARKERS ARE TO BE PROVIDED IN ACCORDANCE WITH AS 1742.
 6. ALL SIGNAGE TO BE INSTALLED AS PER BRIMBANK CITY COUNCIL DETAIL S520.
 7. ALL T.G.S.I. TO BE YELLOW COLOURED AND IN ACCORDANCE WITH BRIMBANK CITY COUNCIL STANDARD DRAWING S315.



REFER TO C-8500

REFER TO C-8500



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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YourLand **CJ ARMS**

Developments

CIVIL SITWORKS
MELBOURNE
T: (03) 9285 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Purpose of Issue: FOR CONSTRUCTION

Drawn By: BP
Checked By: VE
Drawn Scale: 1:250 @ A1
Date of First Issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 8501 | 0 |

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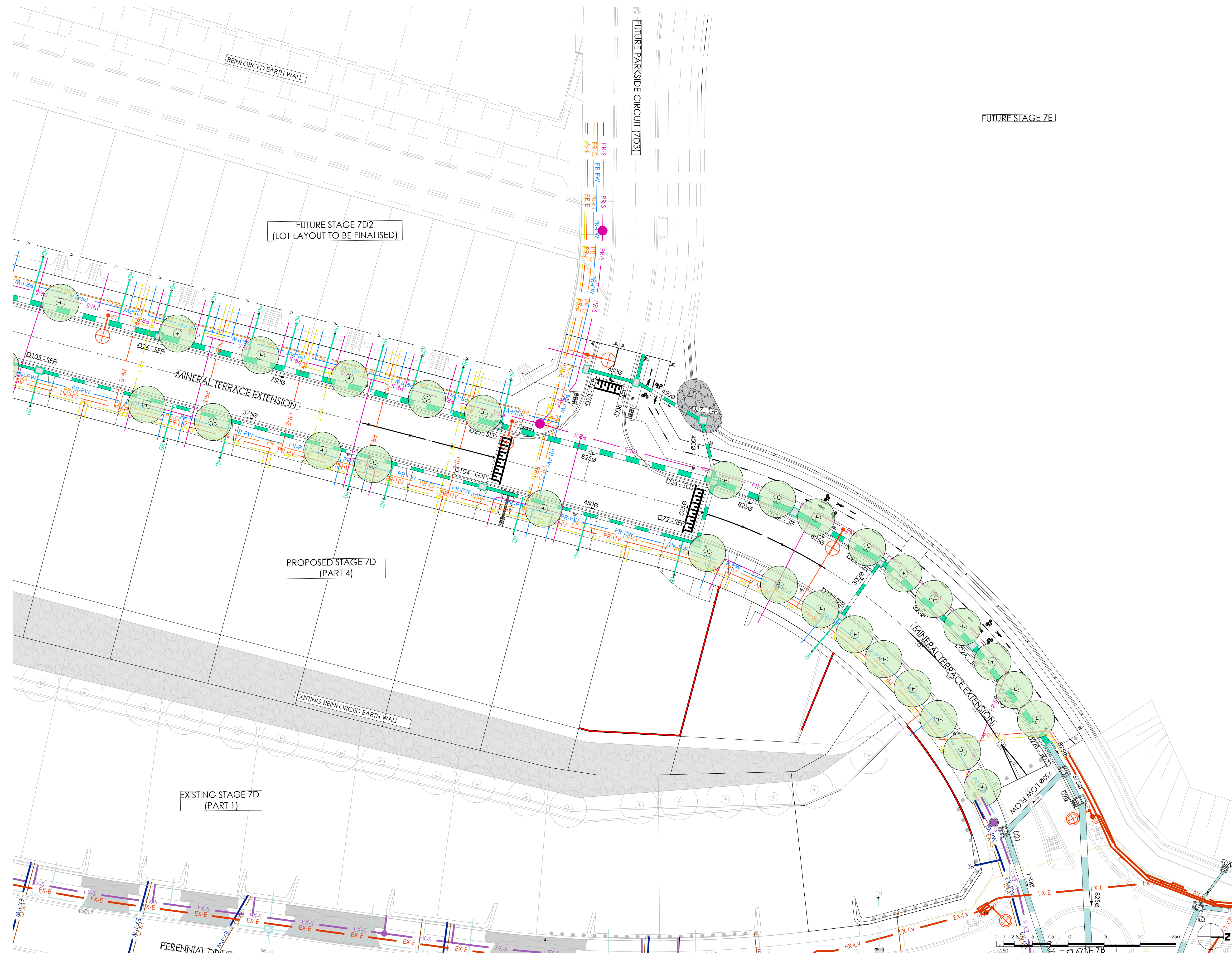
DRAWING LEGEND

LINETYPES

- PR-T PROPOSED TELECOMMUNICATIONS
- PR-FS PROPOSED FIRE SERVICES
- PR-G PROPOSED GAS
- PR-E PROPOSED ELECTRICITY (GENERAL)
- PR-LV PROPOSED ELECTRICITY (LV)
- PR-HV PROPOSED ELECTRICITY (HV)
- PR-N PROPOSED NBN
- PR-NPW PROPOSED NON-POTABLE WATER
- PR-PW PROPOSED POTABLE WATER
- PR-D PROPOSED DRAIN
- PR-STW PROPOSED STORM WATER
- PR-S PROPOSED SEWER
- EX-T EXISTING TELECOMMUNICATIONS
- EX-FS EXISTING FIRE SERVICES
- EX-G EXISTING GAS
- EX-E EXISTING ELECTRICITY (GENERAL)
- EX-LV EXISTING ELECTRICITY (LV)
- EX-HV EXISTING ELECTRICITY (HV)
- EX-N EXISTING NBN
- EX-NPW EXISTING NON-POTABLE WATER
- EX-PW EXISTING POTABLE WATER
- EX-D EXISTING DRAIN
- EX-STW EXISTING STORM WATER
- EX-S EXISTING SEWER
- EX-MC EXISTING MINOR CONTOUR (1.0m)
- EX-MC EXISTING MAJOR CONTOUR (5.0m)

BLOCKS/SYMBOLS

- PROPOSED LIGHTPOLE
- EXISTING LIGHTPOLE
- PROPOSED STORM WATER PITS
- REFER TO DWG [C-XXXX] FOR DETAILS
- PROPOSED STREETSCAPE / ROCKWALL PLANTING
- EXISTING STREETSCAPE
- PROPOSED TELECOMMUNICATION PIT
- PROPOSED LV SERVICE PIT
- PROPOSED LEVEL
- EXISTING LEVEL



7D4 SERVICES ARE AMENDED IN THIS REVISION.

ELECTRICAL AND COMMS SERVICES ADDED ON WESTERN SIDE OF MINERAL TERRACE.

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | VE |

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FOR CONSTRUCTION

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MELBOURNE
T: (03) 9288 2800 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: SERVICES & STREETSCAPE CO-ORDINATION PLAN (SHEET 1 OF 2)

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 9050 | 0 |

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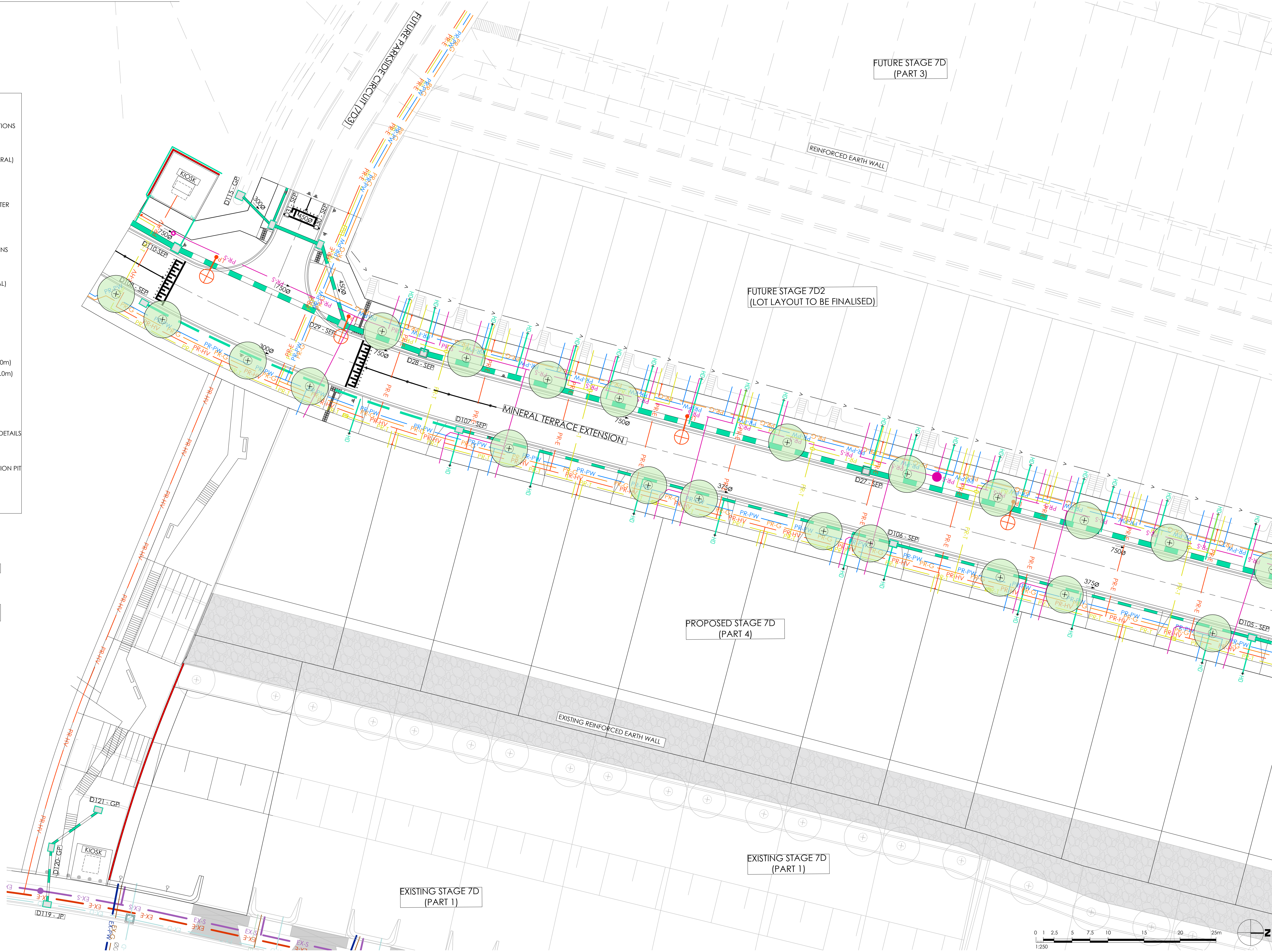
DRAWING LEGEND

LINETYPES

- PR-T PROPOSED TELECOMMUNICATIONS
- PR-FS PROPOSED FIRE SERVICES
- PR-G PROPOSED GAS
- PR-E PROPOSED ELECTRICITY (GENERAL)
- PR-LV PROPOSED ELECTRICITY (LV)
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- PR-DRAIN PROPOSED DRAIN
- EX-T EXISTING TELECOMMUNICATIONS
- EX-FS EXISTING FIRE SERVICES
- EX-G EXISTING GAS
- EX-E EXISTING ELECTRICITY (GENERAL)
- EX-LV EXISTING ELECTRICITY (LV)
- EX-HV EXISTING ELECTRICITY (HV)
- EX-N EXISTING NBN
- EX-PW EXISTING POTABLE WATER
- EX-DRAIN EXISTING STORM WATER
- EX-S EXISTING SEWER
- EXISTING MINOR CONTOUR (1.0m)
- EXISTING MAJOR CONTOUR (5.0m)

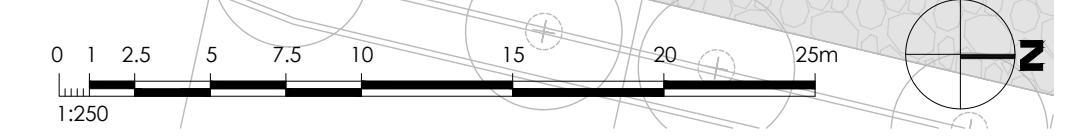
BLOCKS/SYMBOLS

- PROPOSED LIGHTPOLE
- EXISTING LIGHTPOLE
- PROPOSED STORM WATER PITS
- REFER TO DWG (C-XXXX) FOR DETAILS
- PROPOSED STREETSCAPE / ROCKWALL PLANTING
- EXISTING STREETSCAPE
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- PROPOSED LEVEL
- EXISTING LEVEL



7D4 SERVICES ARE AMENDED IN THIS REVISION.

ELECTRICAL AND COMMS SERVICES ADDED ON WESTERN SIDE OF MINERAL TERRACE.



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | VE |

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FOR CONSTRUCTION

YourLand Developments

CJ ARMS


CIVIL SITWORKS

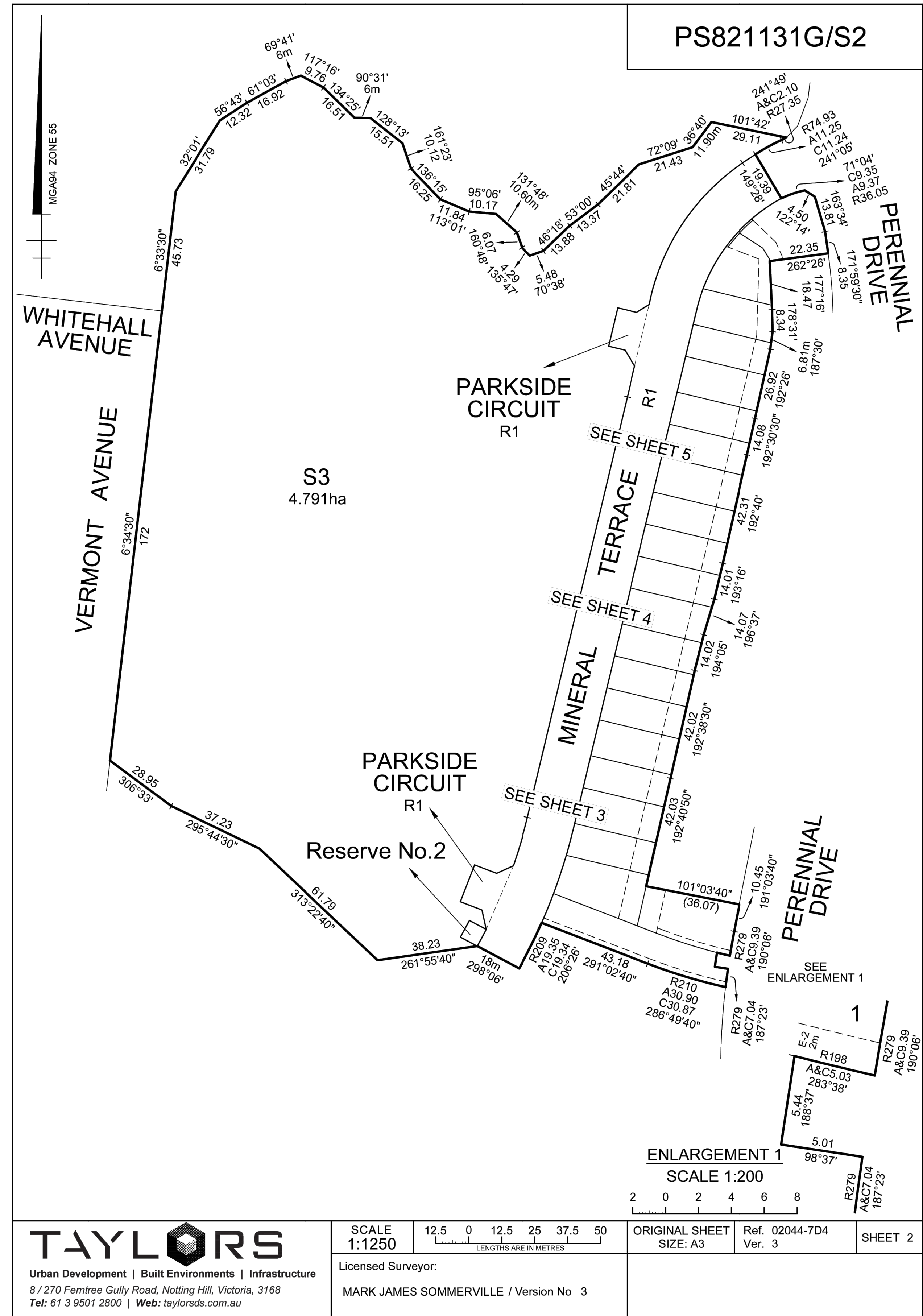
Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: SERVICES & STREETSCAPE CO-ORDINATION PLAN (SHEET 2 OF 2)

Drawn By: BP
 Checked By: VE
 Drawn Scale: 1:250 @ A1
 Date of Issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 9051 | 0 |

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| PLAN OF SUBDIVISION | | EDITION 1 | PS821131G/S2 | |
|--|---|---|---|------------------------------------|
| LOCATION OF LAND PARISH: CUT PAW PAW SECTION: 22 CROWN ALLOTMENT: A (PART) SECTION: B CROWN ALLOTMENT: 1 (PART), 2 (PART) & 3 (PART) TITLE REFERENCE: Vol. Fol. LAST PLAN REFERENCE: Lot S2 on PS821131G POSTAL ADDRESS: Halong Drive (at time of subdivision) SUNSHINE NORTH 3020 MGA 94 CO-ORDINATES: E: 310 260 ZONE: 55 (of approx centre of land in plan) N: 5818 990 | | COUNCIL NAME: BRIMBANK CITY COUNCIL | | |
| VESTING OF ROADS AND/OR RESERVES | | NOTATIONS | | |
| IDENTIFIER Road R1 Reserve No. 1 Reserve No. 2 | COUNCIL/BODY/PERSON Brimbank City Council Brimbank City Council Powercor Australia Ltd | LOTS IN THIS PLAN MAY BE AFFECTED BY ONE OR MORE OWNERS CORPORATIONS For details of any Owners Corporations including purpose, responsibility, entitlement & liability see owners corporation search report, owners corporation additional information and if applicable, owners corporation rules. Lots 2 to 18 (both inclusive) have been omitted from this plan. Lots 1 and 19 to 38 (both inclusive) on this plan are affected by one or more restrictions. Refer to Creation of Restrictions A and B on sheet 6 of this plan for details. OTHER PURPOSE OF PLAN To remove Carriageway easement E-5 created on PS821131G in so far as it lies within Road R1 herein. GROUNDS FOR REMOVAL: By agreement between all interested parties pursuant to Section 6(1)(k)(iv) of the Subdivision Act 1988. | | |
| NOTATIONS | | | | |
| DEPTH LIMITATION: 15.24 metres below the surface applied to land as shown in Vol. 11151 Fol.184. | | | | |
| SURVEY: This plan is based on partial survey. | | | | |
| STAGING: This is a staged subdivision. Planning Permit No. P277/2017 | | | | |
| RIVER VALLEY ESTATE - Release S7D4 Area of Release: 1.633ha No. of Lots: 21 Lots and Balance Lot S3 | | | | |
| EASEMENT INFORMATION | | | | |
| LEGEND: A - Appurtenant Easement E - Encumbering Easement R - Encumbering Easement (Road) | | | | |
| * Support is defined as all necessary rights to provide structural support through foundations, slope rock retaining, supporting posts and concrete sleeper retaining walls and associated back of wall drainage infrastructure. | | | | |
| Easement Reference | Purpose | Width (Metres) | Origin | Land Benefited/In Favour Of |
| E-1 | Support * See definition above | See Diag. | This Plan | Relevant abutting lot on This Plan |
| | Right for entry - for the purposes of maintenance of the sloped rock batter | | | Common Property No.1 |
| E-2 | Drainage | 2 | PS821131G | Lots on PS821131G |
| E-3 | Power Line | 2 | This Plan Section 88 Electricity Industry Act 2000 | Powercor Australia Ltd |
|  Urban Development Built Environments Infrastructure 8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168 Tel: 61 3 9501 2800 Web: taylorsds.com.au | | SURVEYORS FILE REF: Ref. 02044-7D4 Ver. 3 | ORIGINAL SHEET SIZE: A3 | SHEET 1 OF 6 |
| Licensed Surveyor: MARK JAMES SOMMERVILLE / Version No 3 | | | | |



| Revised | Date | Reason | By | Checked |
|---------|----------|-------------------------|----|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | JP | MS |

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FOR CONSTRUCTION

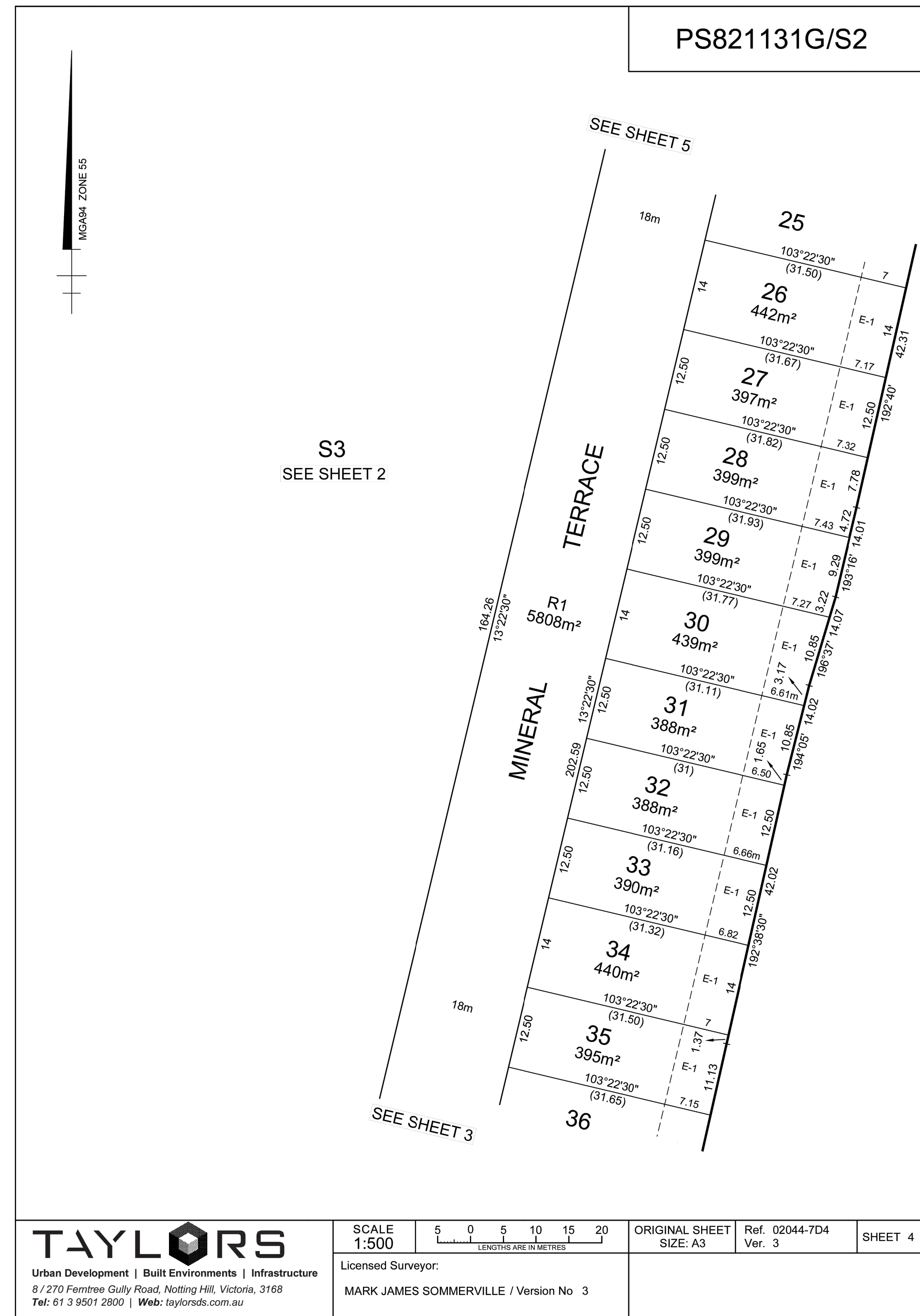
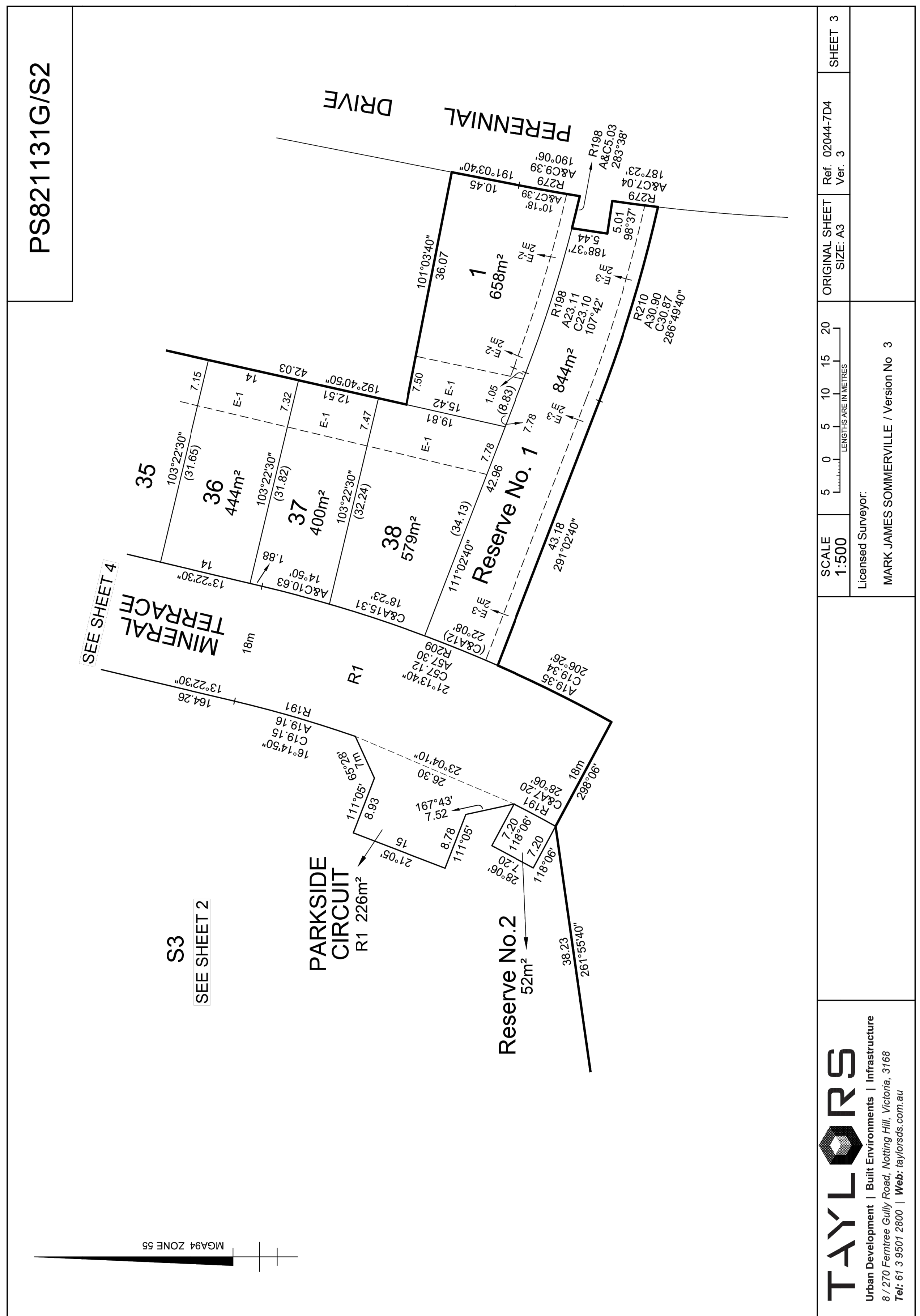


Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Purpose of Plan: FOR CONSTRUCTION

| | | | |
|--------------|----------------|-----------------------|-------------------------------|
| Drawn By: BP | Checked By: VE | Drawn Scale: N/A B A1 | Date of first issue: 18.09.23 |
|--------------|----------------|-----------------------|-------------------------------|

| Project Number | Client | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 9200 | 0 |

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Tel: 61 3 9501 2800 | Web: taylorstds.com.au

SCALE 1:500

ORIGINAL SHEET SIZE: A3

Ref. 02044-7D4 Ver. 3

SHEET 4

Licensed Surveyor:
MARK JAMES SOMMERVILLE / Version No. 3

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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FOR CONSTRUCTION



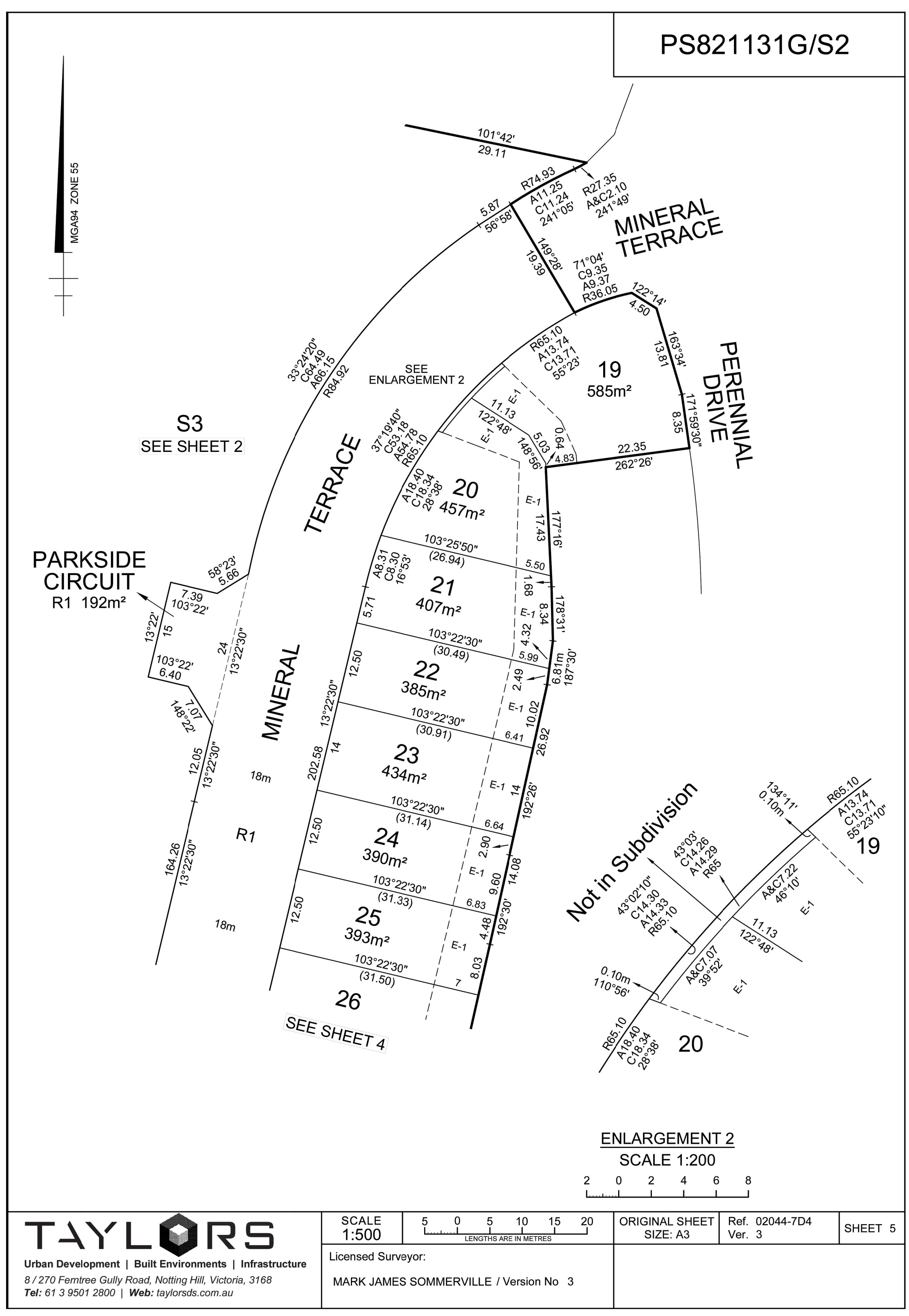
CIVIL SITWORKS
 MELBOURNE SYDNEY
 T: +61 3 9285 2800 | F: +61 2 8034 8370 | E: info@cjarms.com | W: www.cjarms.com

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Project Number: 15006
Origin: CJA
Zone: 7D4
Level: XX
File Type: DR
Rev: C
Number: 9201
Revision: 0

Drawn By: BP
Checked By: VE
Drawn Scale: N/A B A1
Date of first issue: 18.09.23

Subdivision Plan (Sheet 2 of 4)

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PS821131G/S2

CREATION OF RESTRICTION A

The registered proprietors of the burdened land covenant with the registered proprietors of the benefited land as set out in the restriction with the intent that the burden of the restriction runs with and binds the burdened land and the benefit of the restriction is annexed to and runs with the benefited land.

BURDENED LAND: See Table 1
BENEFITED LAND: See Table 1

RESTRICTION:
The registered proprietor or proprietors for the time being of any burdened lot on this plan must not construct or allow to be constructed or remain on the lot any building or garage outside the building envelope shown hatched in the diagrams shown on MCP (excluding allowable projecting building elements that project outside the building envelope as contained in Part 5 Regulation 74(3), 79(3) & 79(4) of the Building Regulations 2018).

TABLE 1

| BURDENED LOT No. | BENEFITING LOTS ON THIS PLAN |
|------------------|------------------------------|
| 1 | 38 |
| 19 | 20 |
| 20 | 19, 21 |
| 21 | 20, 22 |
| 22 | 21, 23 |
| 23 | 22, 24 |
| 24 | 23, 25 |
| 25 | 24, 26 |
| 26 | 25, 27 |
| 27 | 26, 28 |
| 28 | 27, 29 |

TABLE 1 continued

| BURDENED LOT No. | BENEFITING LOTS ON THIS PLAN |
|------------------|------------------------------|
| 29 | 28, 30 |
| 30 | 29, 31 |
| 31 | 30, 32 |
| 32 | 31, 33 |
| 33 | 32, 34 |
| 34 | 33, 35 |
| 35 | 34, 36 |
| 36 | 35, 37 |
| 37 | 36, 38 |
| 38 | 1, 37 |

CREATION OF RESTRICTION B

The registered proprietors of the burdened land covenant with the registered proprietors of the benefited land as set out in the restriction with the intent that the burden of the restriction runs with and binds the burdened land and the benefit of the restriction is annexed to and runs with the benefited land.

BURDENED LAND: Lots 1 and 19 to 38 (both inclusive)
BENEFITED LAND: Lots 1 and 19 to 38 (both inclusive)

RESTRICTION:

- 1.1 The registered proprietor or proprietors for the time being of any burdened lot on this plan ("Owner") must not:
- 1.1.1 undertake or permit to undertake, any site-works, excavation, filling, construction of buildings or works, tree planting, landscaping or any other physical alterations to the structure of the rock down slope and any sub-surface improvements within that part of the burdened lot marked E-1 ("Retaining Wall");
 - 1.1.2 occupy or allow the occupation of the burdened land unless, the Owner maintains on foot an agreement with Owners Corporation No 1 on PS821131G ("Owners Corporation") under which the Owners Corporation:
 - 1.1.2.1 is required to maintain the Retaining Wall in good condition and repair any damage to the Retaining Wall;
 - 1.1.2.2 is required to maintain insurance for the full replacement value of the Retaining Wall; and
 - 1.1.2.3 is granted access to the burdened land to allow for the repair and maintenance of the Retaining Wall;
 - 1.1.3 carry out or allow to be carried out any site-works, excavation, filling or construction or to remove, interfere with or compromise or do anything that may tend to interfere with or compromise the Retaining Wall in any way;

without the prior written consent of Maribymong Riverside Development Pty Ltd ACN 629 127 028 or Owners Corporation No 1 on PS821131G.

TAYLORS
Urban Development | Built Environments | Infrastructure
8 / 270 Fernree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

ORIGINAL SHEET SIZE: A3
Ref. 02044-7D4 Ver. 3
SHEET 6

Licensed Surveyor:
MARK JAMES SOMMERVILLE / Version No 3

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | MP | TS |

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FOR CONSTRUCTION

YourLand **CJ ARMS** **CIVIL SITWORKS**

Project: RIVER VALLEY - STAGE 7D4
Client: YOURLAND
Project Number: 15006 CJA 7D4
Level: XX
File Type: DR
Revision: 0

Drawn By: EP
Checked By: VE
Drawn Scale: N/A B A1
Date of first issue: 18.09.23

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OWNERS CORPORATION SCHEDULE

PS821131G/S2

| | | | |
|-------------------------------------|--|----------|--------------|
| Owners Corporation No. | 1 | Plan No. | PS821131G/S2 |
| Land affected by Owners Corporation | Lots: ALL LAND AFFECTED BY OWNERS CORPORATION 1 ON PREVIOUS STAGES OF THIS PLAN AND ALL OF THE LOTS IN THE TABLE BELOW | | |
| | Common Property No.: 1 | | |
| Limitations of Owners Corporation: | UNLIMITED | | |

Notations
NIL

| Totals | | |
|-----------------|-------------|-----------|
| | Entitlement | Liability |
| This schedule | 210 | 210 |
| Previous stages | 170 | 170 |
| Overall Total | 380 | 380 |

Lot Entitlement and Lot Liability

| Lot | Entitlement | Liability | Lot | Entitlement | Liability | Lot | Entitlement | Liability | Lot | Entitlement | Liability |
|-----|-------------|-----------|-----|-------------|-----------|-----|-------------|-----------|-----|-------------|-----------|
| 1 | 10 | 10 | | | | | | | | | |
| 19 | 10 | 10 | | | | | | | | | |
| 20 | 10 | 10 | | | | | | | | | |
| 21 | 10 | 10 | | | | | | | | | |
| 22 | 10 | 10 | | | | | | | | | |
| 23 | 10 | 10 | | | | | | | | | |
| 24 | 10 | 10 | | | | | | | | | |
| 25 | 10 | 10 | | | | | | | | | |
| 26 | 10 | 10 | | | | | | | | | |
| 27 | 10 | 10 | | | | | | | | | |
| 28 | 10 | 10 | | | | | | | | | |
| 29 | 10 | 10 | | | | | | | | | |
| 30 | 10 | 10 | | | | | | | | | |
| 31 | 10 | 10 | | | | | | | | | |
| 32 | 10 | 10 | | | | | | | | | |
| 33 | 10 | 10 | | | | | | | | | |
| 34 | 10 | 10 | | | | | | | | | |
| 35 | 10 | 10 | | | | | | | | | |
| 36 | 10 | 10 | | | | | | | | | |
| 37 | 10 | 10 | | | | | | | | | |
| 38 | 10 | 10 | | | | | | | | | |



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Phone: (03) 9501 2800 | www.taylorsds.com.au

SURVEYORS FILE REFERENCE: 02044-7D4

SHEET 1

ORIGINAL SHEET
SIZE: A3

MARK JAMES SOMMERVILLE / VERSION No.2-

| Revision | Date | Reason | Drawn | Checked |
|----------|----------|-------------------------|-------|---------|
| 1 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

Note for Contractors
The works described on this drawing must be undertaken by competent Contractors with an appropriate level of experience who have prepared appropriate Safe Work Method Statements (SWMS) relating to these works. The contractor is responsible for the management of all risks associated with the construction activities stated on this drawing.

This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

⚠ Dial before you dig, BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

NOTE:
THE INFORMATION CONTAINED ON THIS PLAN IS A REPRESENTATION OF THE DESIGN PREPARED BY TAYLORS. REFER TO:
- TAYLORS PLAN OF SUB-DIVISION # PS821131G/S2 REF: 02044-7D4 VER: 3
ANY DISCREPANCIES BETWEEN THE DESIGN DRAWINGS AND THE TAYLORS PLAN OF SUB-DIVISION SHALL BE REFERRED TO THE SUPERINTENDENT.

FOR CONSTRUCTION



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| | | | | | | | |
|-----------------------------------|--------|---|-------|-----------|------|--------|----------|
| Project: RIVER VALLEY - STAGE 7D4 | | Drawing file: SUBDIVISION PLAN (SHEET 4 OF 4) | | | | | |
| Client: YOURLAND | | Revision: N/A B A1 | | | | | |
| Project status: FOR CONSTRUCTION | | Date of first issue: 18.09.23 | | | | | |
| Project Number | Origin | Zone | Level | File Type | Role | Number | Revision |
| 15006 | CJA | 7D4 | XX | DR | C | 9203 | 0 |



DRAWING NOTES:

- THIS PLAN DETAILS AREAS IN WHICH 300mm OR GREATER OF FILL WILL BE PLACED ON TOP OF THE NATURAL SURFACE OF THE LAND WITHIN THE SUBDIVISION AS A RESULT OF THE PROPOSED WORKS.
- THIS PLAN DOES NOT DETAIL ANY OTHER FILL MATERIAL THAT MAY HAVE BEEN PLACED WITHIN THE SUBDIVISION PRIOR TO THE CIVIL WORKS BEING UNDERTAKEN.
- IRRESPECTIVE OF THE DEPTH OF FILL DETAILED ON THIS PLAN, FOUNDATIONS MUST BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS AND WILL TAKE INTO ACCOUNT THE SOIL CLASSIFICATION AND SOIL REPORT PREPARED FOR EACH INDIVIDUAL LOT.
- THE EXTENT AND DEPTH OF FILL SHOWN ON THIS PLAN WILL BE CONFIRMED ON-SITE BY A GEOTECHNICAL INVESTIGATION BY A REGISTERED AND EXPERIENCED GEOTECHNICAL ENGINEER.

LEGEND

| | |
|--|-----------------------------------|
| | FILL (+300mm) |
| | RETAINING WALL (CONCRETE SLEEPER) |
| | RETAINING WALL (ROCKWORK) |

| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | TS |

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Note for Contractors
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Warning: This drawing should not be issued in part and must be read in conjunction with all appropriate specifications, notes pages, details and authority drawings as appropriate.

Warning: Dial before you dig. BEWARE OF UNDERGROUND SERVICES. The location of underground services are approximate only and their exact position should be proven on site. No guarantee is given that existing services are shown.

FOR CONSTRUCTION

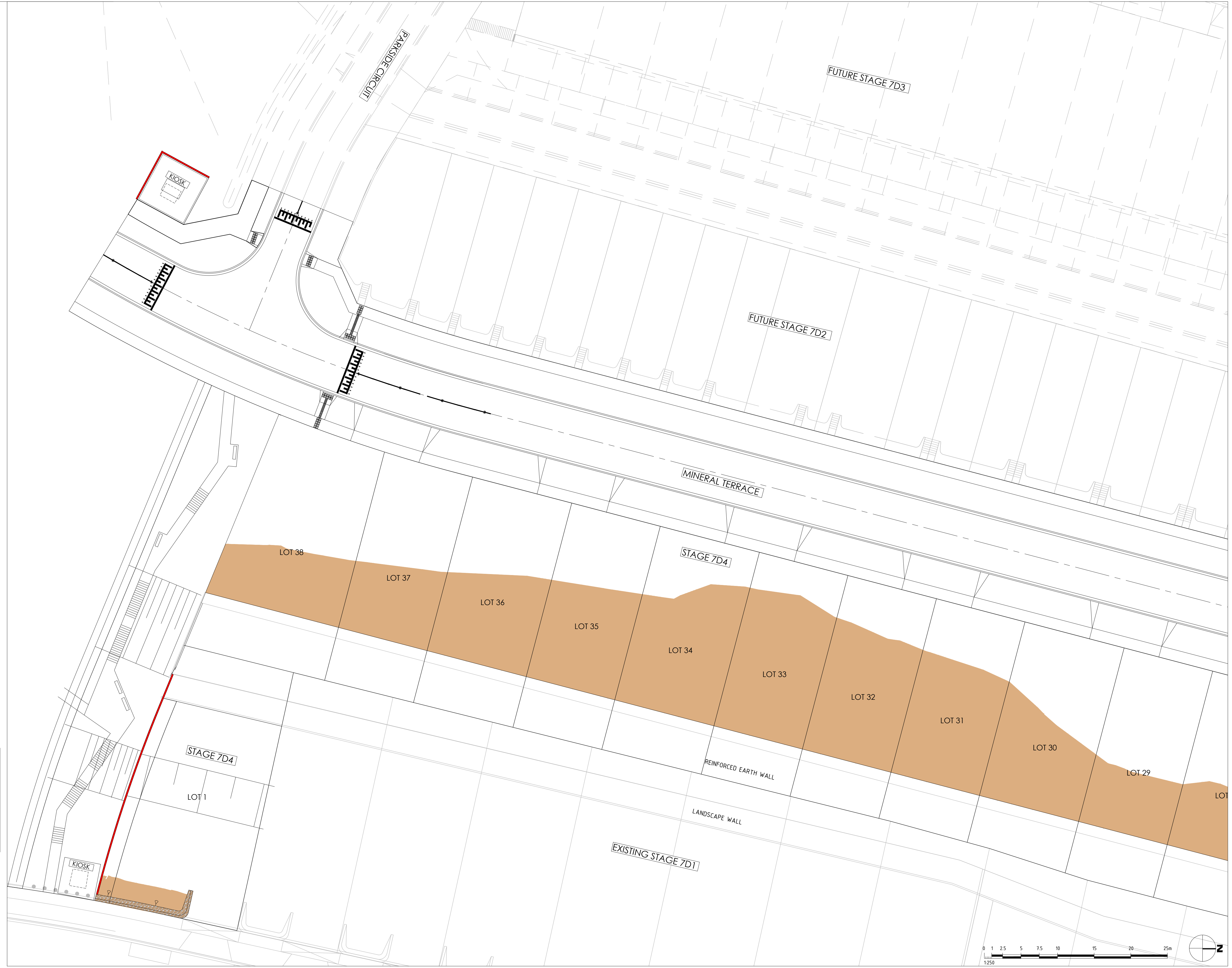


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Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Drawing Title: FILL LAYOUT PLAN (SHEET 1 OF 2)
 For Construction

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 9900 | 0 |

Scale: 1:250
 Date of first issue: 18.09.23

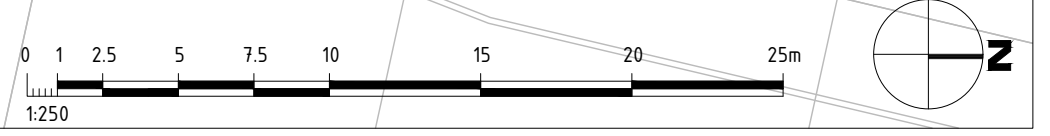


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- THIS PLAN DETAILS AREAS IN WHICH 300mm OR GREATER OF FILL WILL BE PLACED ON TOP OF THE NATURAL SURFACE OF THE LAND WITHIN THE SUBDIVISION AS A RESULT OF THE PROPOSED WORKS.
- THIS PLAN DOES NOT DETAIL ANY OTHER FILL MATERIAL THAT MAY HAVE BEEN PLACED WITHIN THE SUBDIVISION PRIOR TO THE CIVIL WORKS BEING UNDERTAKEN.
- IRRESPECTIVE OF THE DEPTH OF FILL DETAILED ON THIS PLAN, FOUNDATIONS MUST BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS AND WILL TAKE INTO ACCOUNT THE SOIL CLASSIFICATION AND SOIL REPORT PREPARED FOR EACH INDIVIDUAL LOT.
- THE EXTENT AND DEPTH OF FILL SHOWN ON THIS PLAN WILL BE CONFIRMED ON-SITE BY A GEOTECHNICAL INVESTIGATION BY A REGISTERED AND EXPERIENCED GEOTECHNICAL ENGINEER.

LEGEND

| | |
|--|-----------------------------------|
| | FILL (+300mm) |
| | RETAINING WALL (CONCRETE SLEEPER) |
| | RETAINING WALL (ROCKWORK) |



| Revised | Date | Reason | Drawn | Checked |
|---------|----------|-------------------------|-------|---------|
| 0 | 18.09.23 | ISSUED FOR CONSTRUCTION | BP | VE |

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Project: RIVER VALLEY - STAGE 7D4
 Client: YOURLAND
 Purpose of Issue: FOR CONSTRUCTION

Drawn By: BP
 Checked By: VE
 Drawn Scale: 1:250 @ A1
 Date of first Issue: 18.09.23

| Project Number | Origin | Zone | Level | File Type | Rev | Number | Revision |
|----------------|--------|------|-------|-----------|-----|--------|----------|
| 15006 | CJA | 7D4 | XX | DR | C | 9901 | 0 |