

RIVERWALK

STAGE 40

GEELONG ROAD, WERRIBEE WYNDHAM CITY COUNCIL

FOR



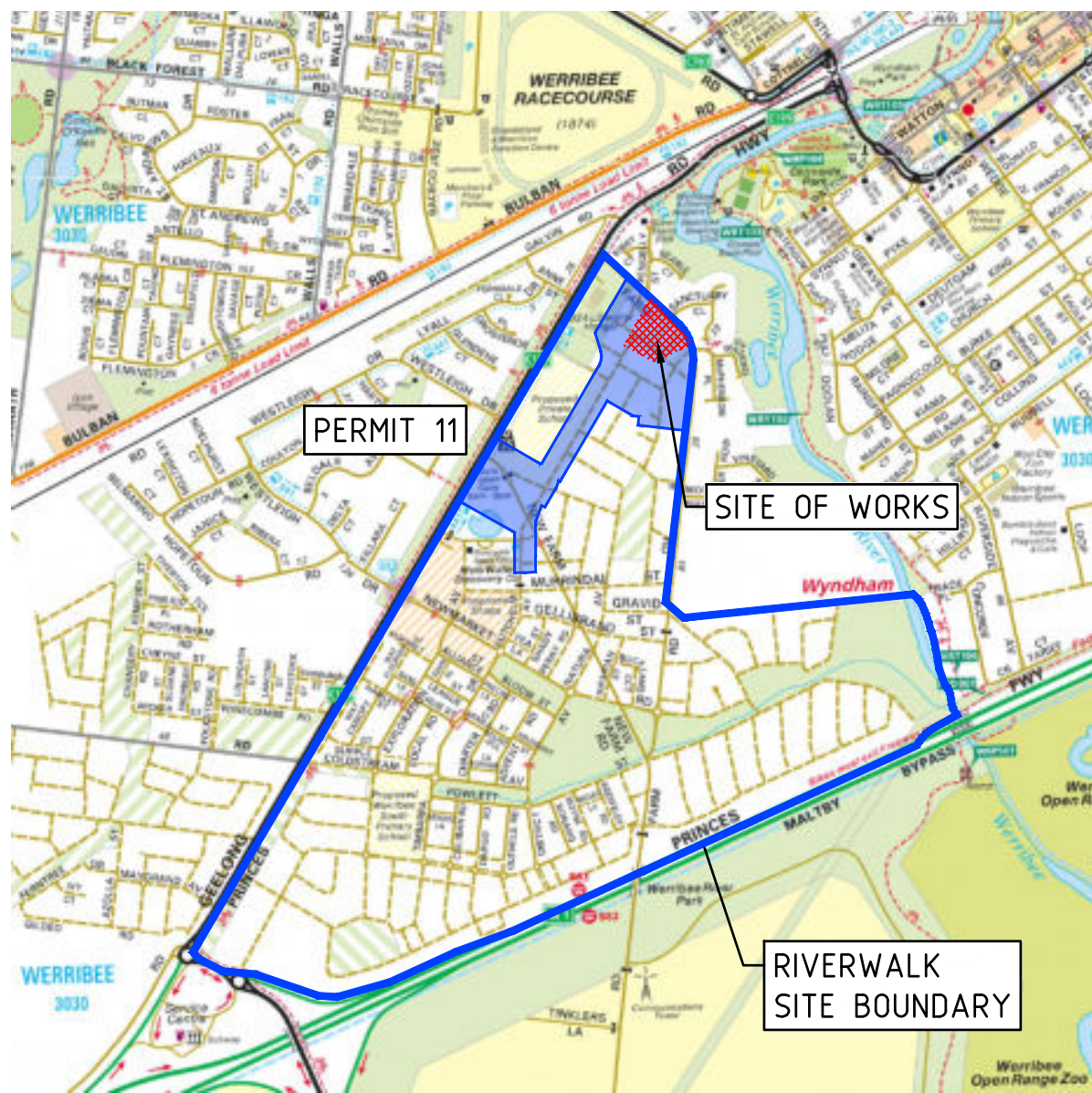
CIVIL DRAWINGS ROADS AND DRAINAGE

DCE REF: 10940
MELWAY REF: 205 G10

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124 9 (AMENDED) GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED VPA IEDCM & COUNCIL SPECIFICATION AND STANDARD DRAWINGS, AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE CITY ENGINEER OR HIS REPRESENTATIVE.
3. A PRE-COMMENCEMENT MEETING WITH COUNCIL IS TO BE ARRANGED PRIOR TO COMMENCEMENT OF THE WORKS.
4. ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING SEVEN DAYS PRIOR TO COMMENCEMENT OF THE WORKS.
5. TBMS TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBMS THEREAFTER.
6. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES.
7. THE CONTRACTOR SHALL ENSURE THAT WORKS WITHIN ROADWAYS ARE TO CONFORM TO THE 'CODE OF PRACTICE FOR WORKSITE SAFETY - TRAFFIC MANAGEMENT (2010)' UNDER THE ROAD MANAGEMENT ACT 2004 AND THE ROAD SAFETY ACT 1986. THE CONTRACTOR SHALL ALSO ENSURE THAT WORKS ARE TO THE APPROVAL OF THE COORDINATING ROAD AUTHORITY UNDER THE ROAD MANAGEMENT ACT 2004.
8. PREPARATION OF THE TRAFFIC MANAGEMENT PLAN AND ITS IMPLEMENTATION UNDER A TRAFFIC GUIDANCE SCHEME SHALL ONLY BE UNDERTAKEN BY A CONTRACTOR OR SUBCONTRACTOR SUITABLY PREQUALIFIED WITH VICROADS. THE CONTRACTOR IS RESPONSIBLE FOR GAINING APPROVAL OF THE TRAFFIC MANAGEMENT PLAN FROM VICROADS/COUNCIL AT LEAST 7 DAYS PRIOR TO WORKS COMMENCING OR EARLIER IF REQUIRED. THE TRAFFIC MANAGEMENT PLAN AND TRAFFIC GUIDANCE SCHEME (INCLUDING ANY ACCESS REQUIREMENTS) SHALL BE APPROVED BY THE COORDINATING ROAD AUTHORITY APPROPRIATE TO THE PROJECT IN ACCORDANCE WITH SECTION 36 OF THE ROAD MANAGEMENT ACT 2004.
9. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD.
10. ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
11. FILL AREAS IN EXCESS OF 300mm ARE TO BE STRIPPED OF TOPSOIL, FILLED, AND TOPSOIL REPLACED TO OBTAIN THE FINAL FILL LEVELS SHOWN ON THE DRAWINGS. ALL FILLING MUST ENSURE LEVEL 1 GEOTECHNICAL SUPERVISION IS MAINTAINED AS PER CLAUSE 8.2 OF AS3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS". STRUCTURAL FILLING MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL PRIOR TO PLACEMENT.
12. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE OR COMMON PROPERTY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO TOPSOIL IS TO BE REMOVED FROM SITE. SURPLUS SOIL MUST BE MADE AVAILABLE FOR LOTS AND RESERVES.
13. WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL AND CONSTRUCTED IN LAYERS 150MM THICK WITH COMPACTION IN ACCORDANCE WITH AS3798. PRIOR TO THE PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENTS, APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM COUNCIL.
14. WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
15. AT LEAST 3 DAYS BEFORE COMMENCING EXCAVATION OF TRENCHES IN EXCESS OF 1.5m DEPTH, A COMPLETED "NOTICE OF INTENTION TO COMMENCE TRENCHING OPERATIONS" FORM SHALL BE SENT TO WORKSAFE VICTORIA. THE NOMINATED SUPERVISOR SHALL BE SUITABLY QUALIFIED IN ACCORDANCE WITH VICTORIAN OHS ACT 1985 & COMMONWEALTH OHS CODE OF PRACTICE 2008.
16. NO BLASTING TO BE PERMITTED.
17. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE ENGINEER.
18. ALL DISTURBED SURFACES SHOULD BE OVER EXCAVATED BY 150mm, TOP SOILED WITH MINIMUM 150mm OF LOCAL TOP SOIL AND BITUMEN STRAW HYDROSEEDED.
19. ALL TOPSOIL TO BE 100mm (MIN) DEPTH, BE FREE OF CLAY, STONES, LOGS, WEED AND OTHER PERISHABLE MATERIAL WHICH IS NOT SUITABLE FOR PLANTING OF LAWNS IN ACCORDANCE WITH VPA AND WCC GUIDELINES.
20. ALL BLOCKS ARE TO SURFACE GRADE WITH A MINIMUM FALL OF 1 IN 150 ALONG THE LOW SIDE BOUNDARY TO THE POINT OF DISCHARGE.
21. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
22. ALL CHAINAGES REFER TO ROAD RESERVE CENTRELINES EXCEPT:
 - IN COURT HEADS WHERE CHAINAGES REFER TO LIP OF KERB
 - KERB RETURNS WHERE CHAINAGES REFER TO LIP OF KERB.
23. GENERALLY 600B2 KERB AND CHANNEL IS TO BE USED THROUGHOUT THE SUBDIVISION. WHERE OTHER KERB TYPES ARE REQUIRED THEY ARE SPECIFICALLY SHOWN ON THE DRAWINGS. ALL KERB PROFILES IN ACCORDANCE WITH EDMC 301.
24. LIP OF ALL KERB RADII ARE 8.60m UNLESS OTHERWISE SHOWN.
25. FOOTPATHS TO BE OFFSET 50mm FROM THE TITLE BOUNDARIES.
26. ALL FOOTPATHS TO BE IN ACCORDANCE WITH EDMC STANDARD DRAWING 401, 402 AND 403.
27. VEHICULAR CROSSINGS OF THE TYPE INDICATED ARE TO BE OFFSET FROM THE LOT BOUNDARY OR EASEMENT IN ACCORDANCE WITH EDMC 501, 502 OR 503, UNLESS OTHERWISE SHOWN.

28. PROVIDE LAYBACKS IN KERB TO ALL PRAM CROSSINGS IN ACCORDANCE WITH EDM 403. ASPHALT FILLETS/RAMPS ARE TO BE PROVIDED ON THE BASE COURSE ASPHALT TO REMOVE TRIPS AT ALL PEDESTRIAN CROSSING LOCATIONS.
 29. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742-1 AND AS 1742-2, UNLESS SPECIFICALLY SHOWN OTHERWISE. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
 30. STREET SIGNS ARE REQUIRED TO SHOW STREET NUMBERS APPLICABLE TO EACH BLOCK. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
 31. THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS SHALL BE PROVEN ON SITE. THE APPROPRIATE AUTHORITY SHALL BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 32. ALL EASEMENTS ARE 2.5m OR 3.0m WIDE DRAINAGE AND SEWERAGE EASEMENTS UNLESS OTHERWISE SHOWN.
 33. CENTRELINES OF ALL SEWERS WITHIN EASEMENTS ARE OFFSET FROM THE PROPERTY LINE IN ACCORDANCE WITH CURRENT MRWA VERSION WSA 02.2014, UNLESS OTHERWISE SHOWN.
 34. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN.
 35. ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC OR FRC PIPES UNLESS OTHERWISE SHOWN. ALL RC PIPES UP TO AND INCLUDING 750mm DIA. ARE TO BE RUBBER RING JOINTED, INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN BE USED ON PIPES OVER 750mm DIA.
 36. WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. ALL DRAINS BEHIND KERBS ARE TO BE LAID AT THE OFFSET SPECIFIED IN THE COUNCIL SPECIFICATION. CURVED PIPES OF DIAMETER LESS THAN 600mm ON LARGE RADIUS CURVES ARE APPROVED BY COUNCIL SUBJECT TO COMPLIANCE WITH MANUFACTURER'S SPECIFICATION.
 37. ALL PIPE AND SERVICE TRENCHES THAT EXTEND UNDER ROADWAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK.
 38. ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND PARKING BAYS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
 39. A.G. DRAIN TO BE LAID UNDER ALL KERB & CHANNEL AT THE DEEPER OF 750mm BELOW KERB OR TO THE BOTTOM OF THE SUBBASE LAYER, IN ACCORDANCE WITH EDM STANDARD DRAWING 202 AND GEOTECHNICAL REPORT G418.AB DATE 29/08/17 PROVIDED BY GROUND SERVICE.
 40. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM LOW CORNERS OF ALLOTMENTS UNLESS OTHERWISE SHOWN. ALL INLETS TO BE IN ACCORDANCE WITH EDM 701, 702, 703 AND 704.
 41. 100mm DIA. HOUSE DRAINS IN P.V.C. TO BE PLACED 6.0m FROM LOW CORNERS UNLESS OTHERWISE SHOWN.
 42. POSITION CONDUITS SO THAT A MINIMUM DISTANCE BETWEEN TAPPINGS IS 1.0m. CONDUITS NOT TO BE LOCATED WITHIN 4.0m OF ALLOTMENT BOUNDARY, UNLESS OTHERWISE SHOWN.
 43. WATER TAPPINGS FOR LOTS SITUATED ON THE SAME SIDE AS THE WATERMAIN ARE TO BE LOCATED AT THE CENTRE OF THE LOT UNLESS OTHERWISE SHOWN. THE KERB IS TO BE MARKED "W" WITH AN ARROW POINTING TO THE TAPPING.
 44. GAS TO BE 50mm DIA. CLASS 12 P.V.C. & WATER CONDUITS TO BE 100 DIA. CLASS 12 P.V.C. SINGLE CONDUIT CONTAINING BOTH DW & NDW SERVICES LAID IN ACCORDANCE WITH GAS 03-2002 DUAL WATER SUPPLY SYSTEM STANDARD DRAWING WAT-1806-V
 45. ELECTRICITY CONDUITS ARE TO BE LAID IN ACCORDANCE WITH AUTHORITY REQUIREMENTS.
- SP GASNET (GAS)**
46. GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY TXU (GAS).
 47. EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
 48. TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE DISTRICT CENTRE.
 49. THE CONTRACTOR SHOULD QUOTE PROJECT NO. 74267234 TO ENABLE MAIN LAYING TO BE COORDINATED WITH OTHER SERVICES.
- REINFORCED CONCRETE PIPE**
50. ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS 3725-2007, LOADS ON BURIED PIPES.
 51. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED & RELAI AT CONTRACTOR'S COST.
 52. ALL PIPES TO BE CLASS '2' R.C. OR F.R.C. RUBBER RING JOINT UNLESS NOTED OTHERWISE. PIPES GREATER THAN 750mm DIA MAY BE FLUSH JOINTED WITH EXTERNAL BANDS.

48. ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH A5.3725-2007, LOADS ON BURIED PIPES.
49. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPLACED & RELAID AT CONTRACTOR'S COST.
50. ALL PIPES TO BE CLASS '2' R.C. OR F.R.C RUBBER RING JOINT UNLESS NOTED OTHERWISE. PIPES GREATER THAN 750mm DIA MAY BE FLUSH JOINTED WITH EXTERNAL BANDS.



MELWAYS: 205 G10
SCALE @ A1: 1:20,000

SHEET No.	DRAWING No.	DESCRIPTION
01	10940TD01	NOTES, LOCALITY PLAN AND DRAWING INDEX
02	10940TD02	TYPICAL DETAILS AND PAVEMENT DETAILS
03	10940TD03	TYPICAL SECTIONS
04	10940SP01	STAGING PLAN
05-06	10940DP01-02	DETAIL PLAN, SHEETS 01 TO 02
07-11	10940ID01-05	INTERSECTION DETAILS, SHEETS 01 TO 05
12	10940ID06	THRESHOLD PAVEMENT DETAILS
13	10940LM01	SIGNAGE AND LINEMARKING PLAN
14-17	10940LS01-04	ROAD LONGITUDINAL SECTIONS, SHEETS 01 TO 04
18-19	10940FP01-02	FOOTPATH DETAILS, SHEETS 02 TO 02
20	10940LD01	LANEWAY CONCRETE PAVEMENT DETAILS
21-30	10940XS01-10	CROSS SECTIONS, SHEETS 01 TO 10
31-33	10940DR01-03	DRAINAGE LONGITUDINAL SECTIONS, SHEETS 01 TO 03
34	10940PIT01	PIT SCHEDULE
35-36	10940FP01-02	FILL PLAN, SHEETS 01 TO 02
37	10940CON01	RESERVE CONTOUR AND TREE PLAN
38-39	10940EW01-02	EARTHWORKS PLAN, SHEETS 01 TO 02
40-41	10940EF01-02	EXISTING FEATURES PLAN, SHEETS 01 TO 02

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

pty Ltd



Scale @ A1/A3

As Shown

**STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
NOTES, LOCALITY PLAN
AND DRAWING INDEX**

Drawing No. 10940TD01

Sheet No. 01 of 41

Rev AC1

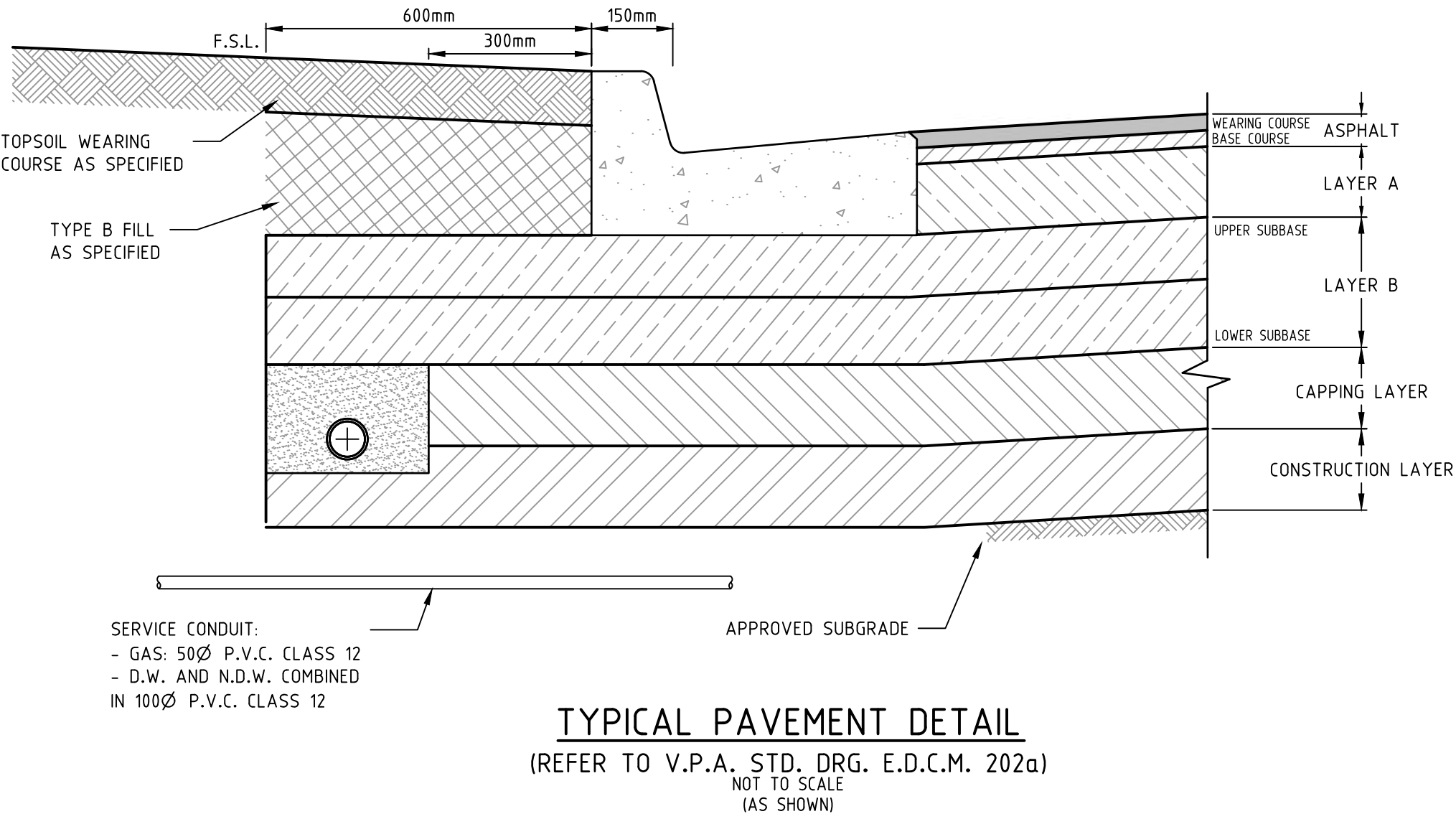
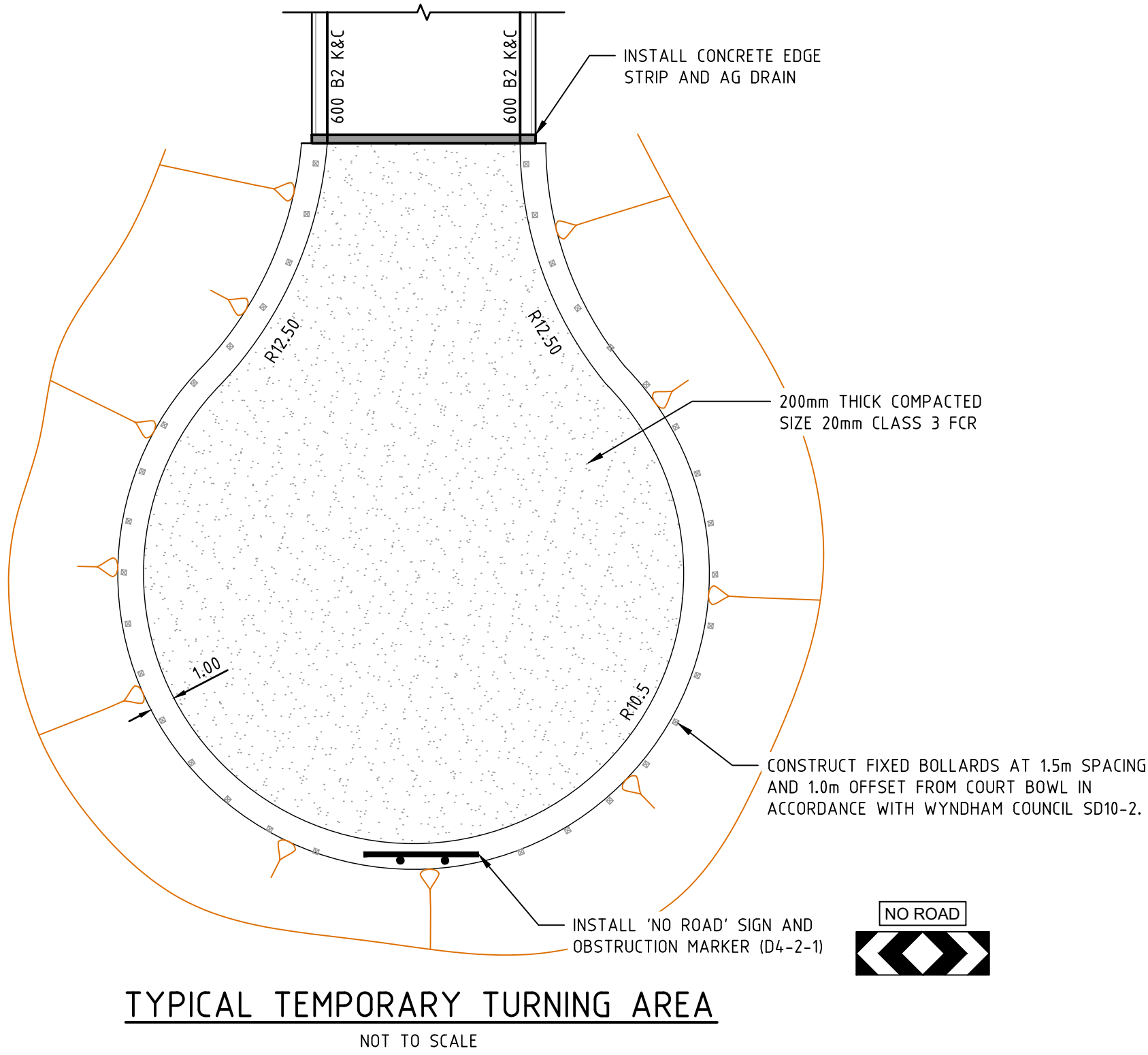
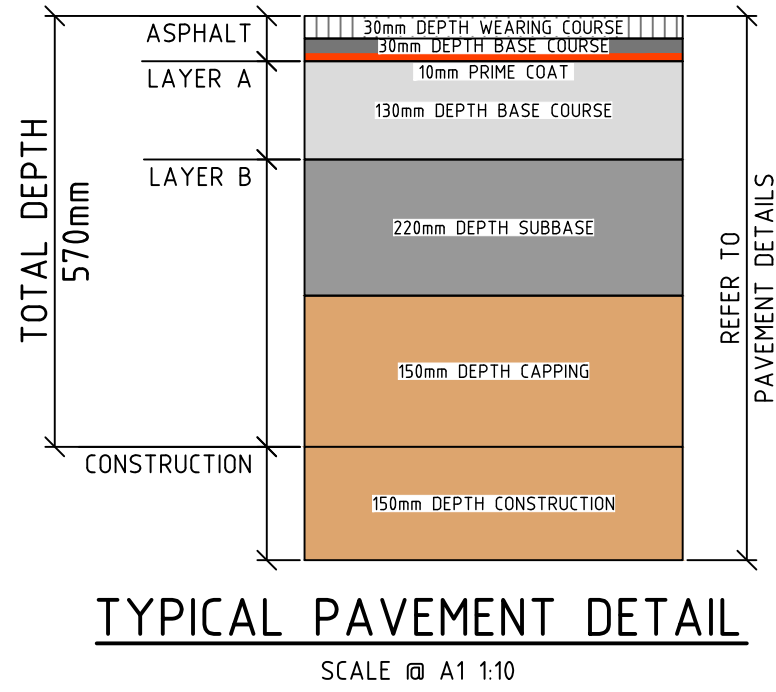


AS CONSTRUCTED

PAVEMENT DETAILS

ACCESS STREET 1	
GRAMPIANS AVENUE, KAILASH ROAD, SORTIE STREET HANGAR STREET, SIDING STREET	
ASPHALT	WEARING COURSE 30mm SIZE 10mm TYPE N (C320 BINDER) BASE 30mm SIZE 10mm TYPE N (C320 BINDER) PRIMER SEAL AND SAMI 10mm (S 18RF)
LAYER A	BASE 130mm VICROADS CLASS 2 FCR (20mm) COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289; 5.2.1
LAYER B	UPPER SUBBASE 120mm VICROADS CLASS 3 FCR (20mm) COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289; 5.2.1 LOWER SUBBASE 100mm VICROADS CLASS 4 FCR (20mm) COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289; 5.2.1 CAPPING 150mm THICK VICROADS TYPE A CAPPING LAYER AS PER GROUND SCIENCE 4787.1 AA TABLE 4. CAPPING MATERIAL WITH CBR ≥ 8.0% MIN, SWELL ≤1.5% AND PERMEABILITY ≤5x10 ⁻⁹ m/sec. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD AS1289; 5.1.1)
DEPTH TOTAL	570mm min.
CONSTRUCTION LAYER	CONSTRUCTION LAYER 150mm THICK VICROADS TYPE A CAPPING LAYER AS PER GROUND SCIENCE 4787.1 AA TABLE 4. CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY K ≤ 5x10 ⁻⁹ %, COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% (STANDARD AS1289;5.1.1) ±3% of OMC
SUBGRADE	SUBGRADE UNIT 4 OR 5 NATURAL SOIL OR CLAY CONTROLLED FILL (CBR ≥ 2.0%)

NOTE:
- REFER GROUND SCIENCE G4797.1 AE DATED: 01/11/2023
- CONTRACTOR TO ENSURE NEAT TRANSITION BETWEEN ADJOINING PAVEMENTS FROM PREVIOUS STAGES



AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL	
REV	DESCRIPTION	DATE	AMEND	APP'D	

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd



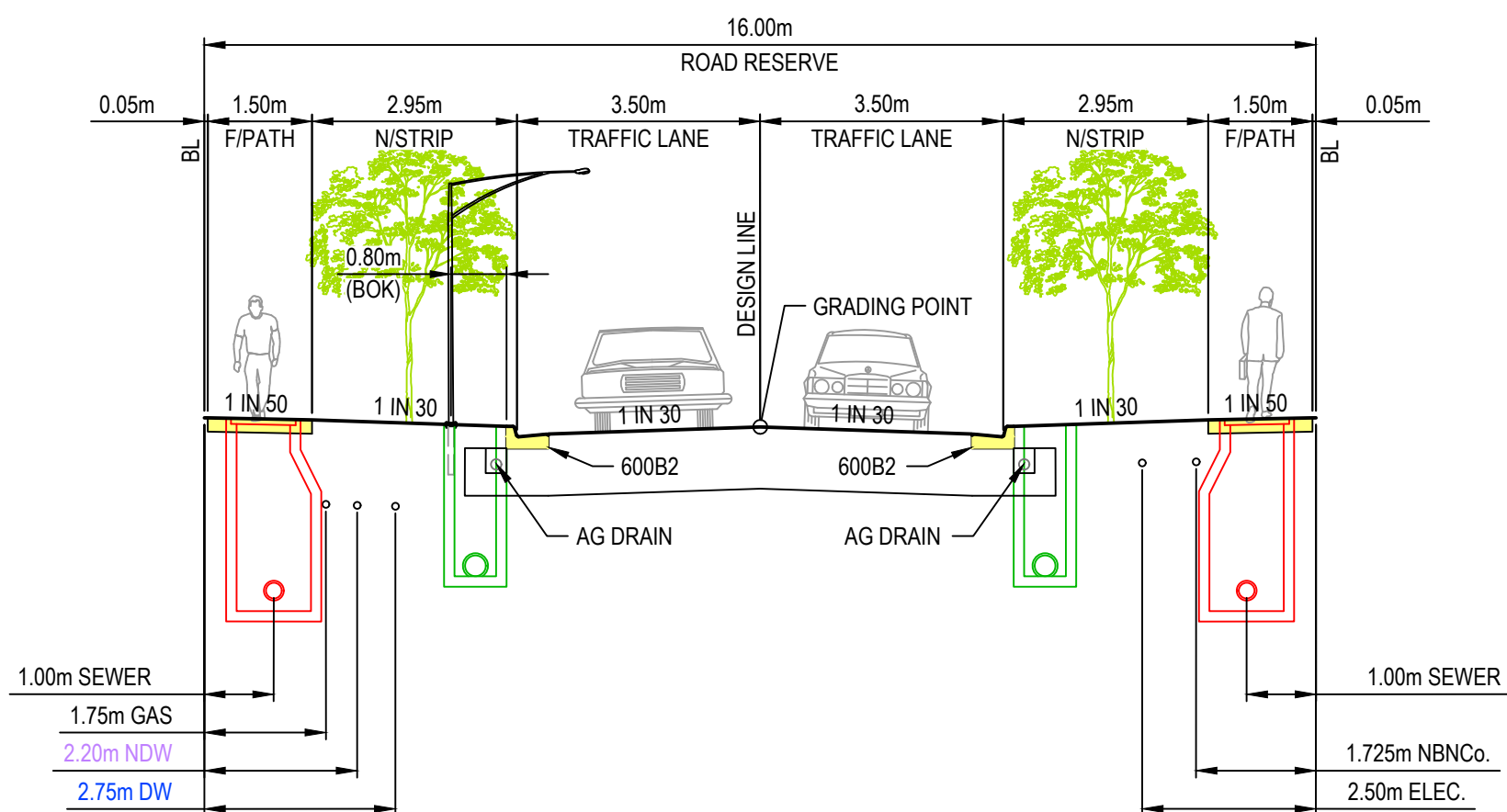
RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
TYPICAL DETAILS AND
PAVEMENT DETAILS
Drawing No. 10940TD02
Sheet No. 02 of 41

Rev AC1

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
melbourne wurundjeri
geelong wadawurrung
brisbane turrbal
dceng.com.au

T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

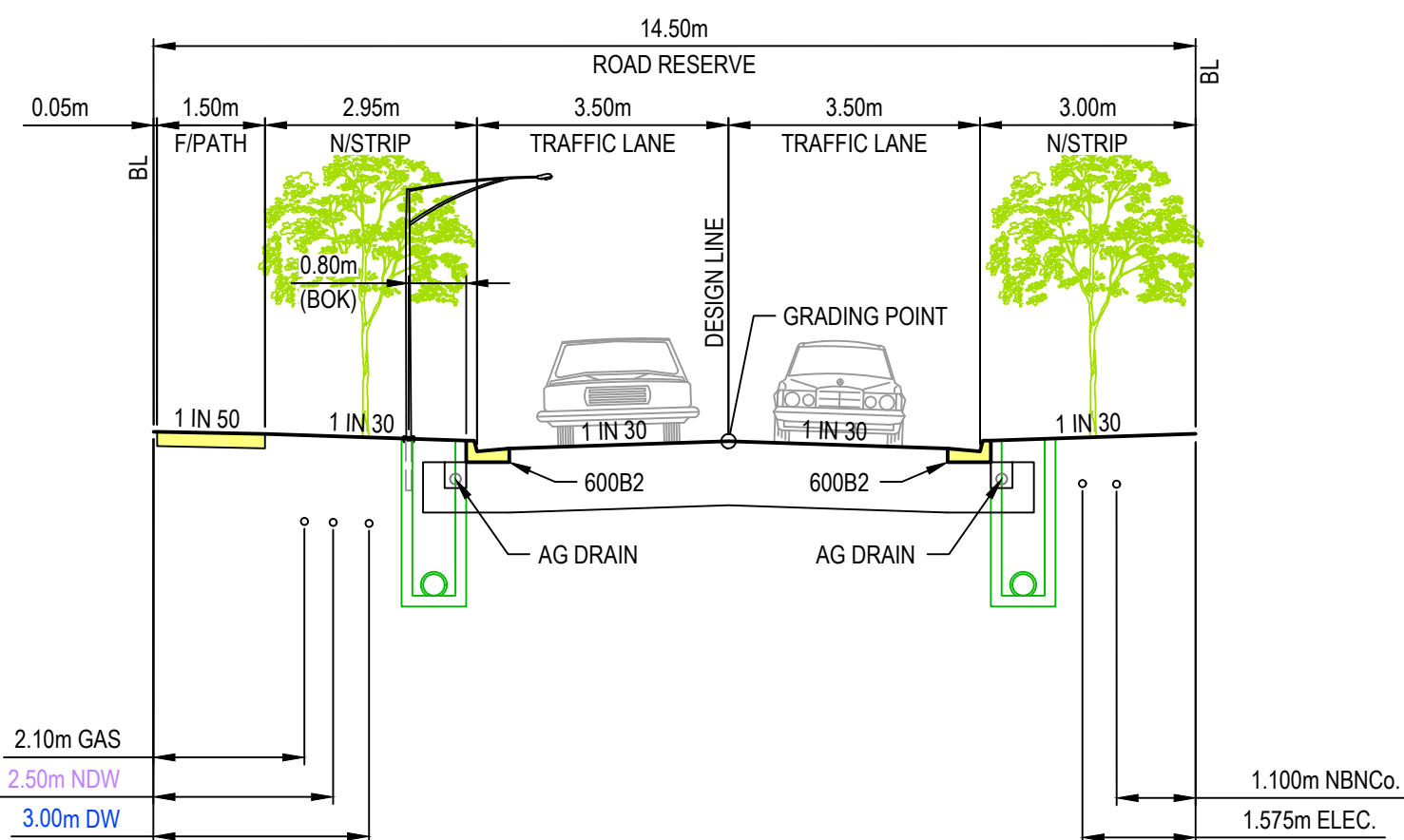
AS CONSTRUCTED



STANDARD ACCESS STREET (16m)

GRAMPIANS AVENUE
SCALE 1:100

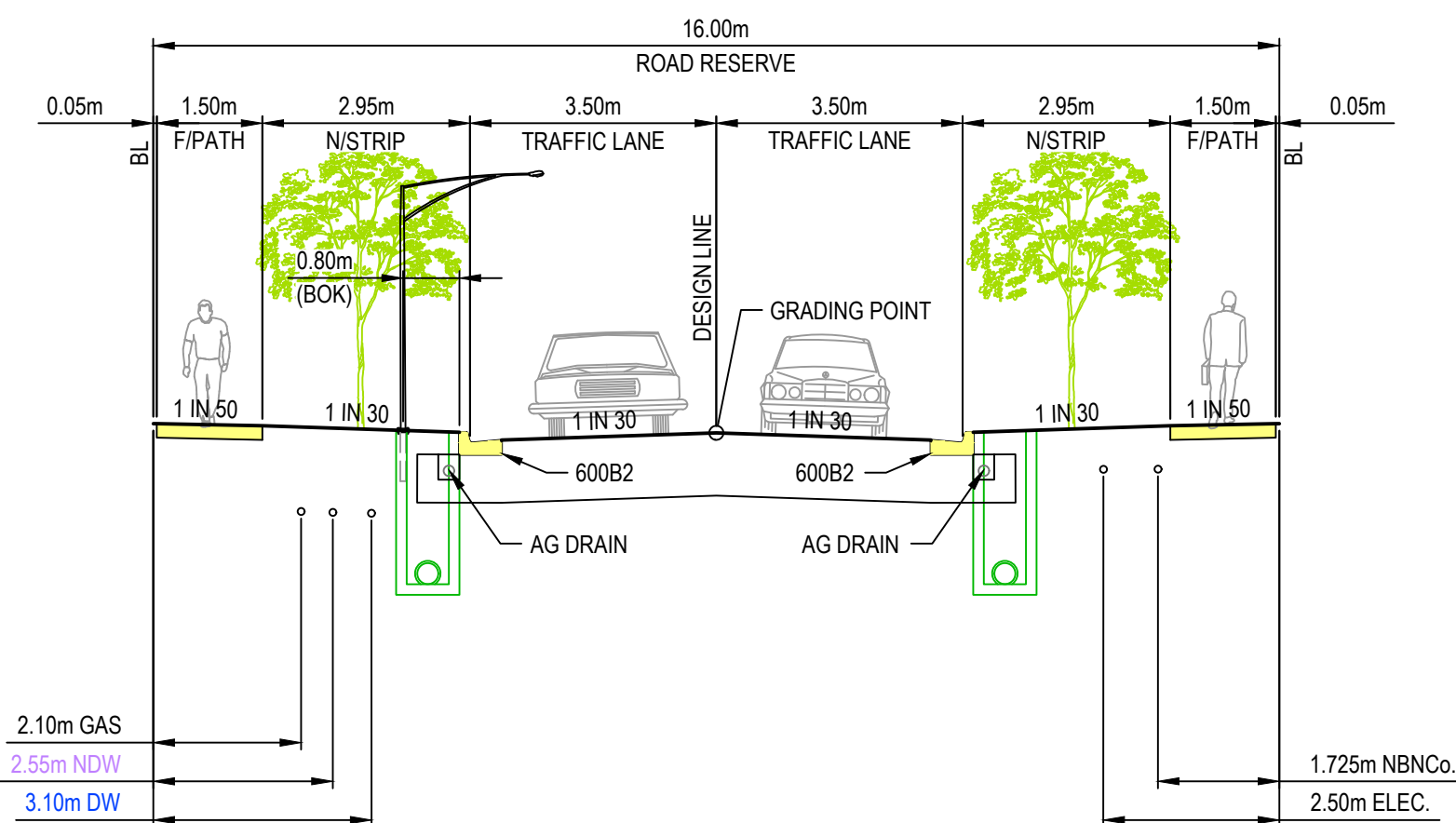
SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



STANDARD ACCESS STREET (14.5m)

HANGAR STREET
SCALE 1:100

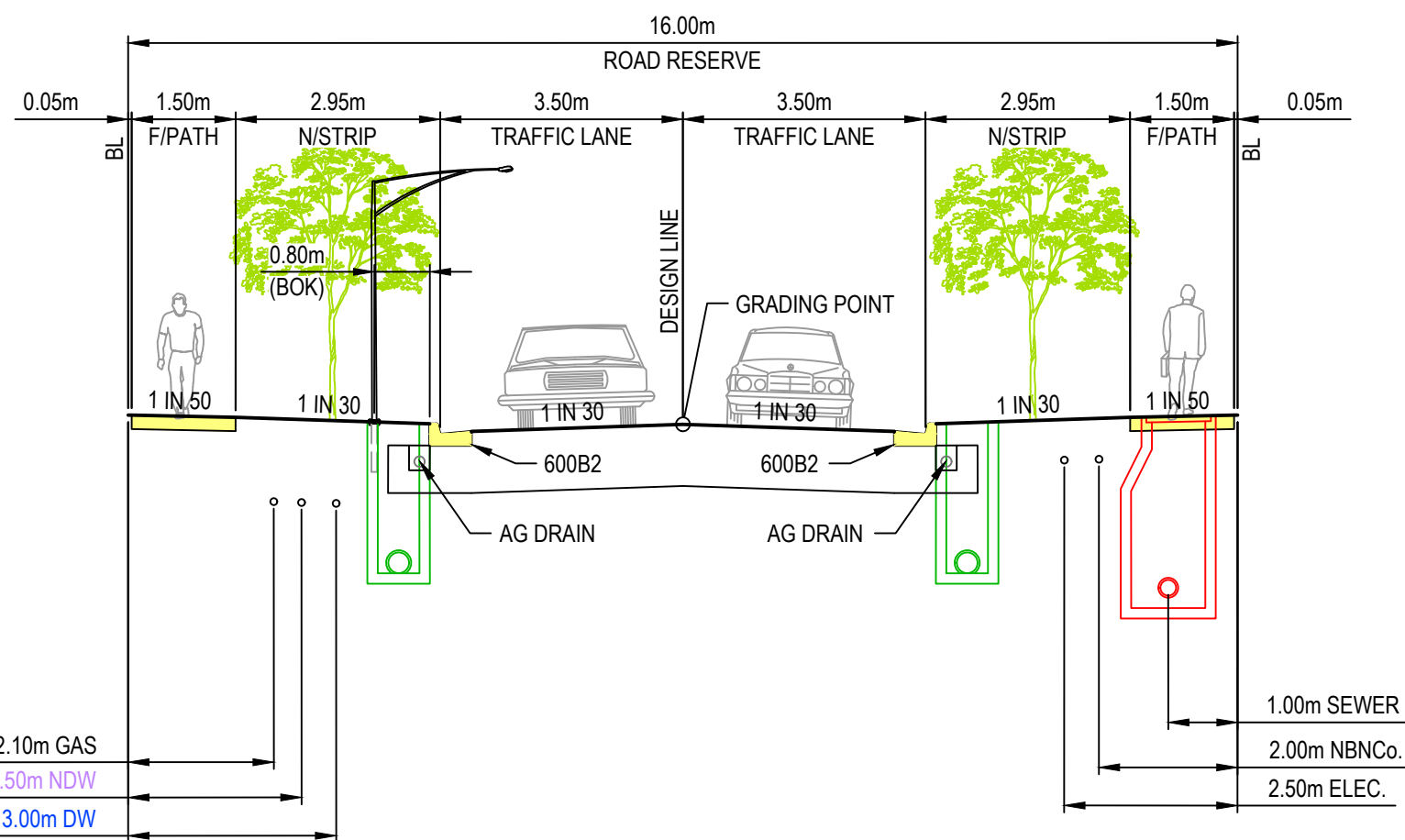
SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



STANDARD ACCESS STREET (16m)

KAILASH ROAD (LOTS 4006-4008)
SCALE 1:100

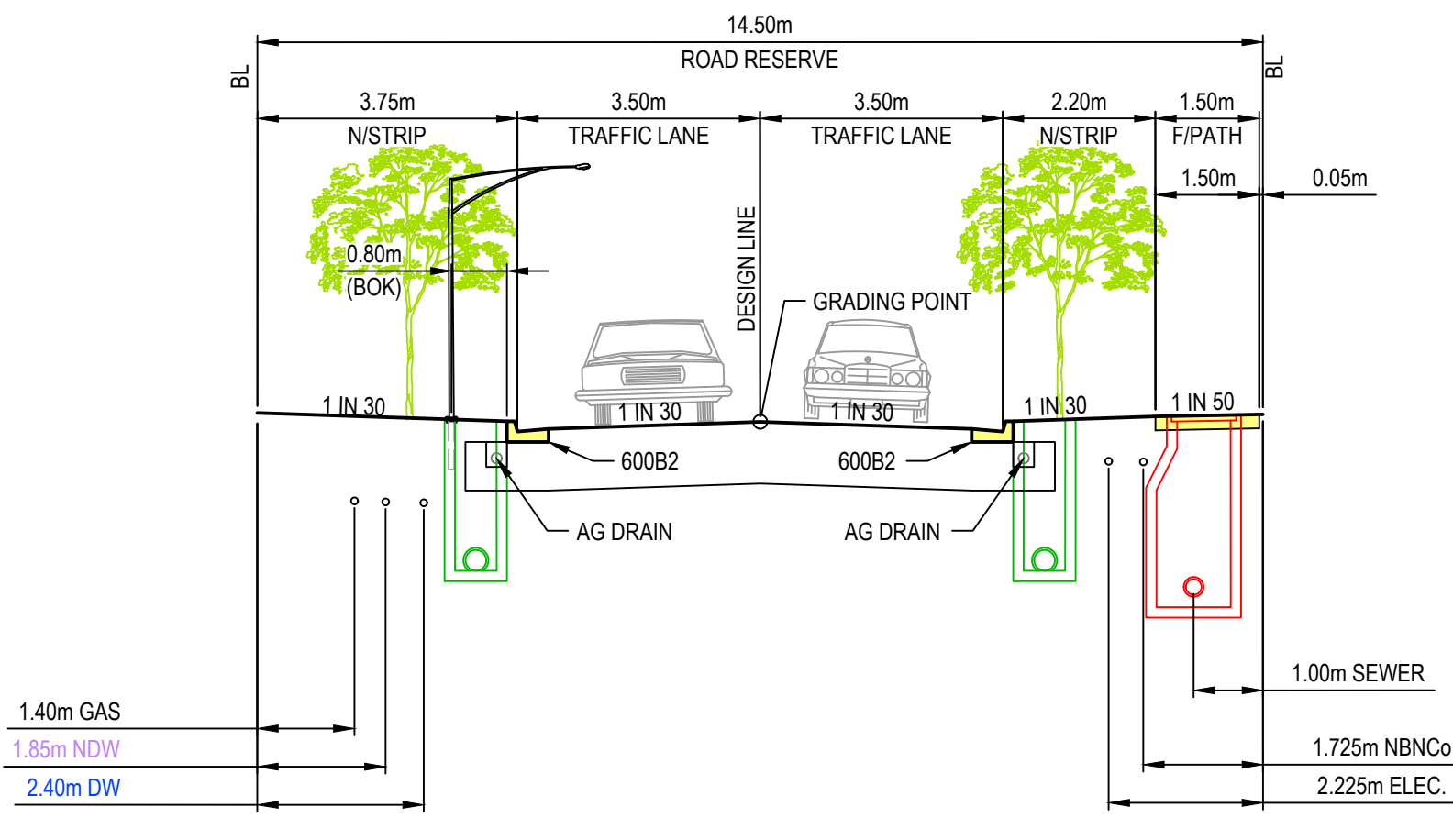
SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



STANDARD ACCESS STREET (16m)

SIDING STREET
SCALE 1:100

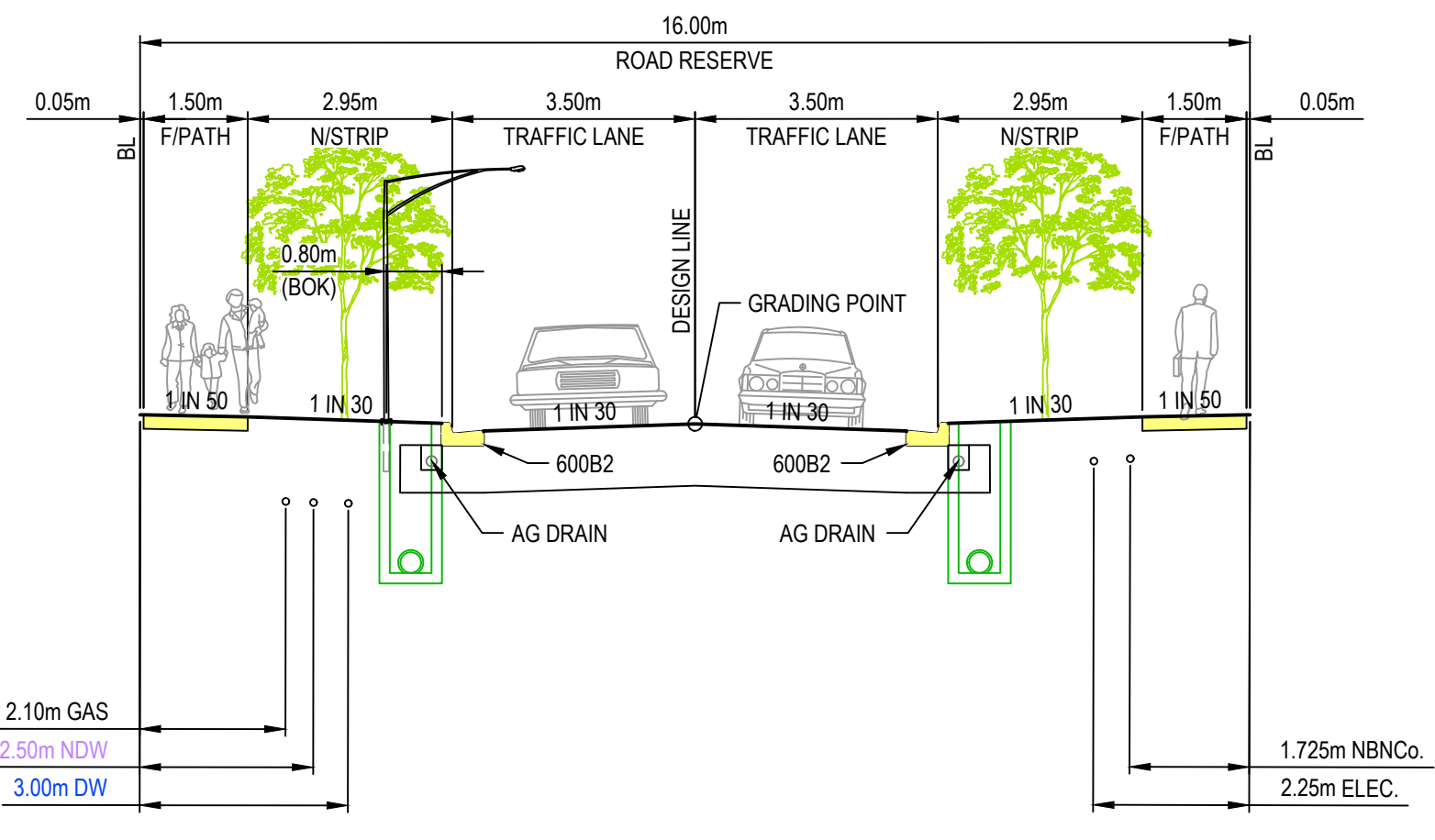
SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



STANDARD ACCESS STREET (14.5m)

KAILASH ROAD (LOTS 4009 TO 4037)
SCALE 1:100

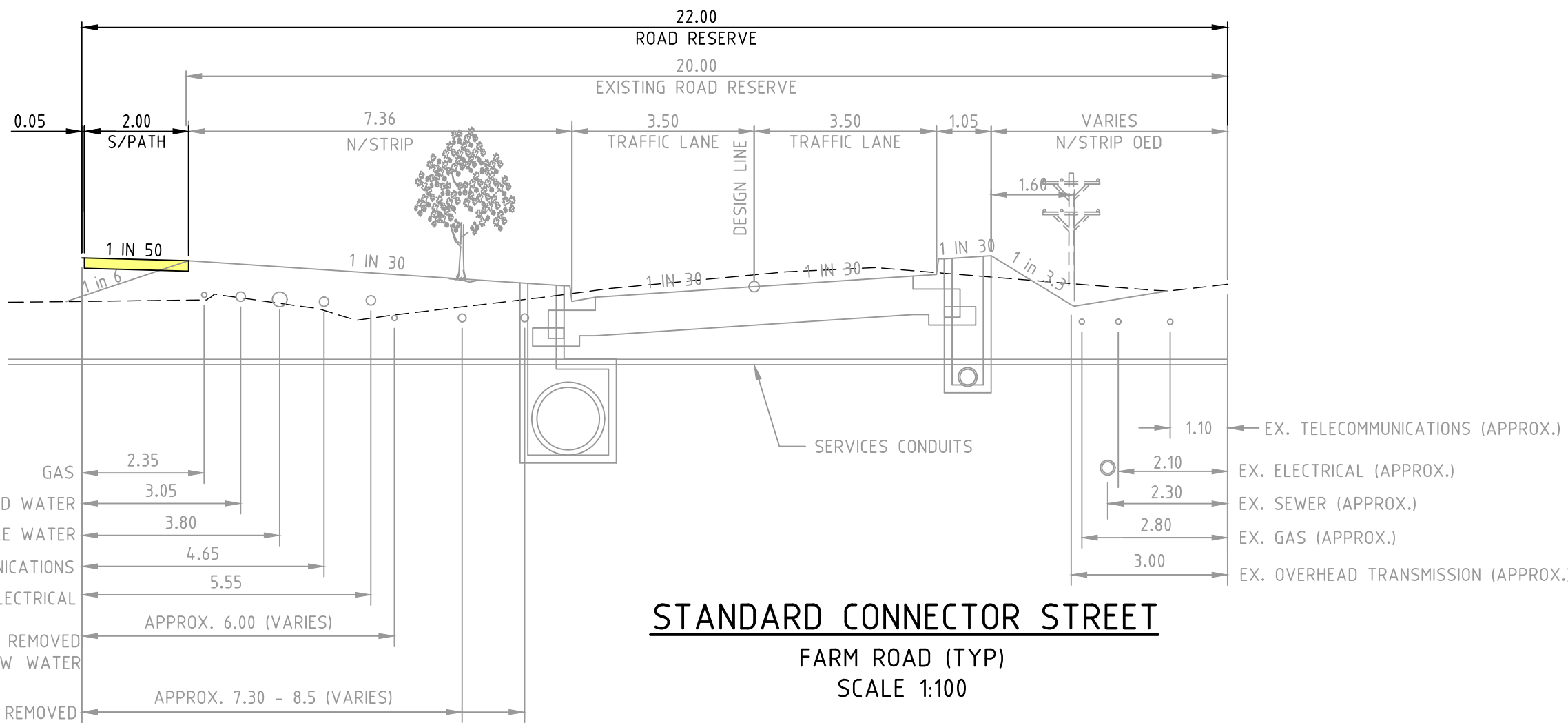
SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



STANDARD ACCESS STREET (16m)

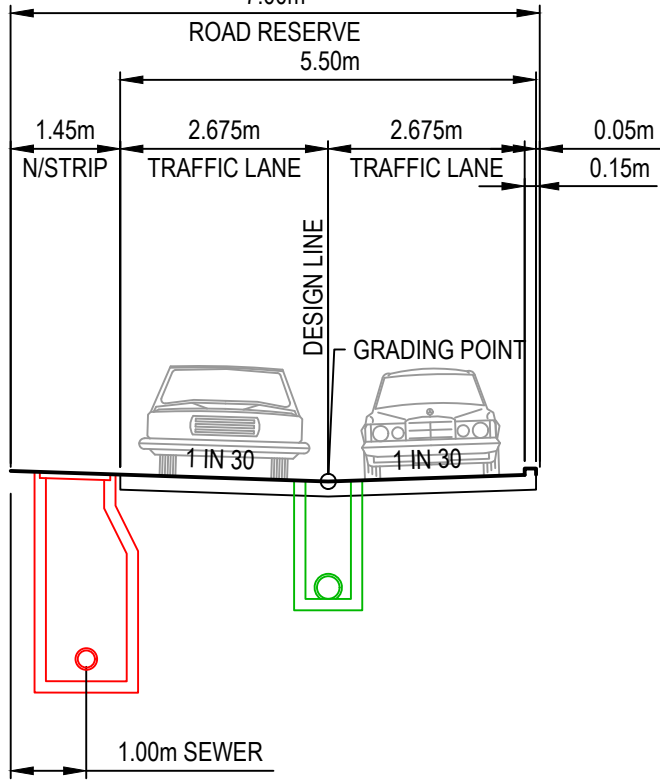
SORTIE STREET
SCALE 1:100

SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



STANDARD CONNECTOR STREET

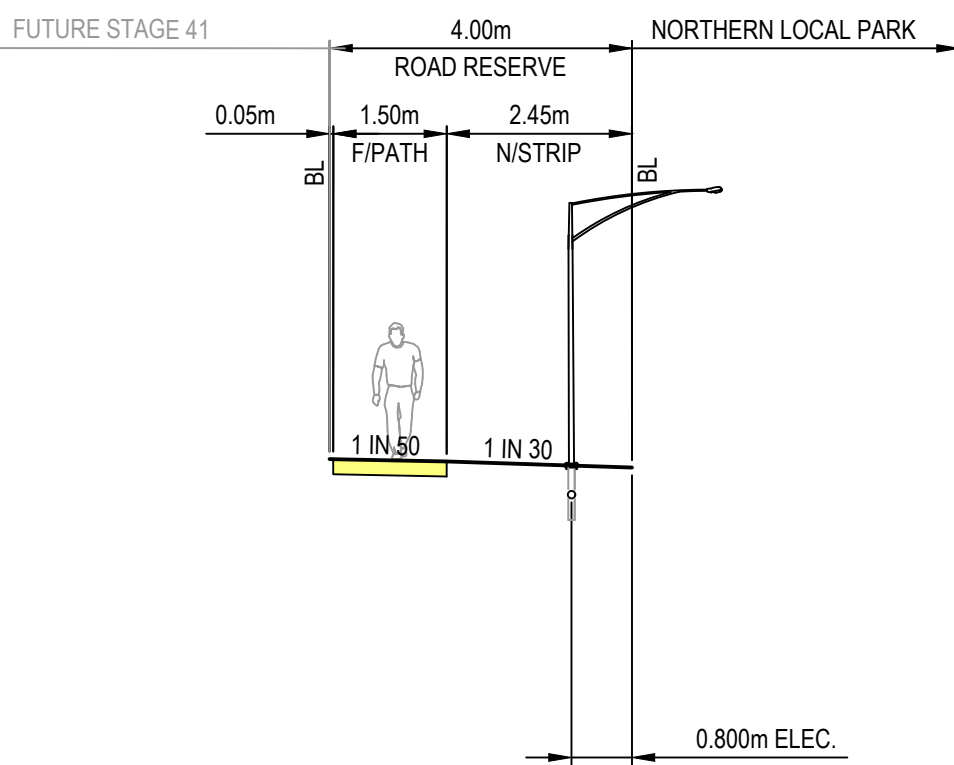
FARM ROAD (TYP)
SCALE 1:100



LANEWAY (7m)

MOROTAI LANE
SCALE 1:100

SEWER AND DRAINAGE SHOWN INDICATIVELY;
REFER TO DETAIL PLAN FOR ACTUAL LOCATION



NORDEN WALK (4m)

SCALE 1:100

NOTE: PAVEMENT JOINTS
ROAD PAVEMENT JOINTS TO BE INSTALLED IN ACCORDANCE WITH EDM STANDARD DRAWING 201.

NOTE: AG DRAINS
AG DRAINS TO BE INSTALLED IN ACCORDANCE WITH EDM STANDARD DRAWING 202a.

NOTE: LIGHT POLES AND STREET TREES
1. LOCATIONS OF LIGHT POLES SHOWN ON ALL TYPICAL SECTIONS ARE ONLY INDICATIVE AND NOT THE EXACT LOCATION OF PROPOSED LIGHT POLES.
2. PROPOSED TREES SHALL BE CLEAR OF SERVICES AND LOCATED AT A SUITABLE LOCATION THAT WILL MINIMISE DAMAGE TO ABUTTING SERVICES.

TABLE OF SERVICE LOCATIONS

STREET NAME	SEW	DW	NDW	GAS	OF	ELEC	POLES	BOK
GRAMPIANS AVENUE	1.00 E/W	2.75 E	2.20 E	1.75 E	1.725 W	2.50 W	*0.80 S	4.35
KAILASH ROAD LOTS 4006-4008	-	3.10 E	2.55 E	2.10 E	1.725 W	2.50 W	*0.80 S	4.35
KAILASH ROAD LOTS 4009-4037	1.00 S	2.40 N	1.85 N	1.40 N	1.725 S	2.225 S	*0.80 S	3.60
SIDING STREET	1.00 N	3.00 S	2.50 S	2.10 S	2.00 N	2.50 N	*0.80 S	4.35
MOROTAI LANE	1.00 N	-	-	-	-	-	-	-
SORTIE STREET	-	3.00 W	2.50 W	2.10 W	1.725 E	2.25 E	*0.80 S	4.35
HANGAR STREET	-	3.00 S	2.50 S	2.10 S	1.100 N	1.575 N	*0.80 S	4.35E/2.85W

* FROM BACK OF KERB

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PEO000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

Coords: MGA Levels: AHD



Scale @ A1/A3
1:100 / 1:200

**RIVERWALK
STAGE 40**
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
TYPICAL SECTIONS

Drawing No. 10940TD03
Sheet No. 03 of 41

Rev AC1



AS CONSTRUCTED

REFER TO SHEET 36 FOR FOR TREE LOCATIONS AND DETAIL WITHIN RESERVE AREA

SHARED PATH SUBJECT TO DETAILED LANDSCAPE PLAN

RESERVE NO.1

8002m²
PROVIDE CENTRAL COLLAPSIBLE BOLLARD AND WITH FIXED BOLLARDS AT EACH END OF CROSSOVER TO BE IN ACCORDANCE WITH EDMC 503, BOLLARDS WCC STD SD10-1 AND SD10-2 RESPECTIVELY

PROVIDE CONDUITS FOR NORTHERN LOCAL PARK FOR FUTURE WATER MAIN CONNECTION IF REQUIRED

TRANSITION THRESHOLD TREATMENT PAVEMENT INTO EXISTING FARM ROAD PAVEMENT. CONTRACTOR TO ENSURE SMOOTH TRANSITION INCLUDING AGI DRAINS. EXISTING KERB & CHANNEL TO BE REMOVED AND DISPOSED OFF SITE AS REQUIRED. REINSTATEMENT WORKS TO BE PROVIDED WHERE NECESSARY TO ENSURE NEAT TRANSITION. REFER TO ID06 FOR DETAILS.

CONTRACTOR TO MAINTAIN LOW FLOW SWALE

CONNECT TO EXISTING DGSEP. CONTRACTOR TO NEATLY BREAK INTO EXISTING DRAINAGE PIT. PROVIDE CONCRETE GROUT FOR ANY REINSTATEMENT WORKS REQUIRED. RESHAPE PIT GRATE TO MATCH NEW KERB.

NOTE: BULK EARTHWORKS

PERMIT 11 BULK EARTHWORKS TO BE COMPLETED PRIOR TO THE COMMENCEMENT OF STAGE 40 CIVIL WORKS (DCE JOB NUMBER 10870).

NOTE: EXISTING SURFACE LEVELS

ALL EXISTING CORNER LEVELS SHOWN ON THIS PLAN ARE PRIOR TO THE COMMENCEMENT OF PERMIT 11 BULK EARTHWORKS (DCE JOB NUMBER 10870).

NOTE: END OF PAVEMENT WORKS

CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES

ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE BCR BACKFILLED.

NOTE: EXISTING STRUCTURES

ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING

TACTILE GROUND SURFACE INDICATORS (TGSIS) ARE SHOWN INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 1428.4.1:2009.

CAUTION!

ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!

NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!

TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!

TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

BEWARE!

DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!

NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!

OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!

THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING!

BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

TBM SCHEDULE

I.D.	TYPE	EASTING	NORTHING	LEVEL
201	RIVET	293313.889	5801608.486	20.32
910	RIVET	293299.340	5801399.356	20.35
No.1	RIVET	293130.10	5801386.10	19.52
No.2	RIVET	293032.03	5801403.63	19.69

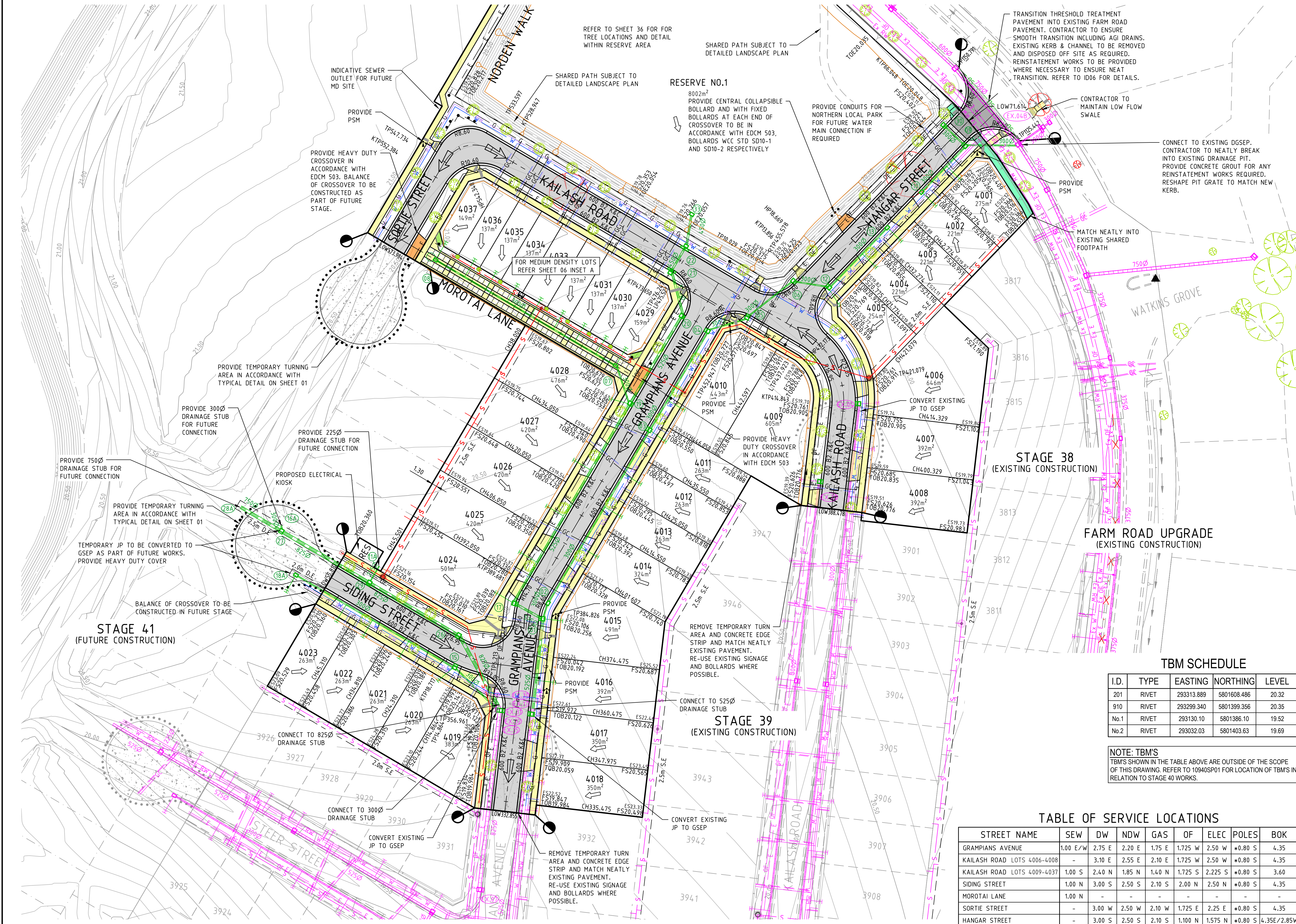
NOTE: TBMS

TBMS SHOWN IN THE TABLE ABOVE ARE OUTSIDE OF THE SCOPE OF THIS DRAWING. REFER TO 10940SP01 FOR LOCATION OF TBMS IN RELATION TO STAGE 40 WORKS.

TABLE OF SERVICE LOCATIONS

STREET NAME	SEW	DW	NDW	GAS	OF	ELEC	POLES	BOK
GRAMPIANS AVENUE	1.00 E/W	2.75 E	2.20 E	1.75 E	1.725 W	2.50 W	*0.80 S	4.35
KAILASH ROAD LOTS 4006-4008	-	3.10 E	2.55 E	2.10 E	1.725 W	2.50 W	*0.80 S	4.35
KAILASH ROAD LOTS 4009-4037	1.00 S	2.40 N	1.85 N	1.40 N	1.725 S	2.225 S	*0.80 S	3.60
SIDING STREET	1.00 N	3.00 S	2.50 S	2.10 S	2.00 N	2.50 N	*0.80 S	4.35
MOROTAI LANE	1.00 N	-	-	-	-	-	-	-
SORTIE STREET	-	3.00 W	2.50 W	2.10 W	1.725 E	2.25 E	*0.80 S	4.35
HANGAR STREET	-	3.00 S	2.50 S	2.10 S	1.100 N	1.575 N	*0.80 S	4.35E/2.85W

* FROM BACK OF KERB



Drawn Date AN	R.GUTIERREZ 14/09/22 3401095
Designed Date AN	P.NICHOLSON 13/09/22 3791018
Checked Date AN	S.RAJKOVIC 21/09/22 2951057
Reg. Eng. Date AN	T.LIAKOPOULOS 02/02/23 PE0000821
AC1 REV	AS CONSTRUCTED ISSUE
DESCRIPTION	
DATE	AMEND
FM	TL
APPD	

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

LEGEND

— Ex W —	EX. WATER MAIN	— E —	ELECTRICITY	— SW —	SW DRAIN & PIT
— Ex G —	EX. GAS MAIN	— T —	TELECOMMUNICATIONS	— H —	HOUSE DRAIN PROP. INLET
— Ex E —	EX. ELECTRICAL CABLE	— G —	GAS	— FS21.650 —	BATTER
— Ex S —	EX. SEWER MAIN & MH	— W —	WATER	— FS20.1650 —	FINISHED SURFACE LEVEL
— Ex T —	EX. COMM. CABLE & PIT	— RW —	RECYCLED WATER	— TOE21.650 —	TOP OF BATTER LEVEL
— EX —	EX. DRAIN & PIT	— CC —	DW/NDW/GAS CONDUITS	— TOE21.650 —	TOE OF BATTER LEVEL
— S —	SIGNAGE	— L —	LANDSCAPING	— R —	REGRADE LOT (MIN 1:50)
— PSM —	PSM TBM	— S —	SEWER MAIN & MANHOLE	— L —	PROPOSED TREE WITH 3m TREE RING
		— S —		— L —	EX. TREE TO REMAIN

CHARCOAL COLOURED CONCRETE
PORPHYRY STONE
ASPHALT PAVEMENT
CONCRETE PATH DWAY
HEAVY DUTY CROSSOVER
CONCRETE SHARED PATH
TURN AREA

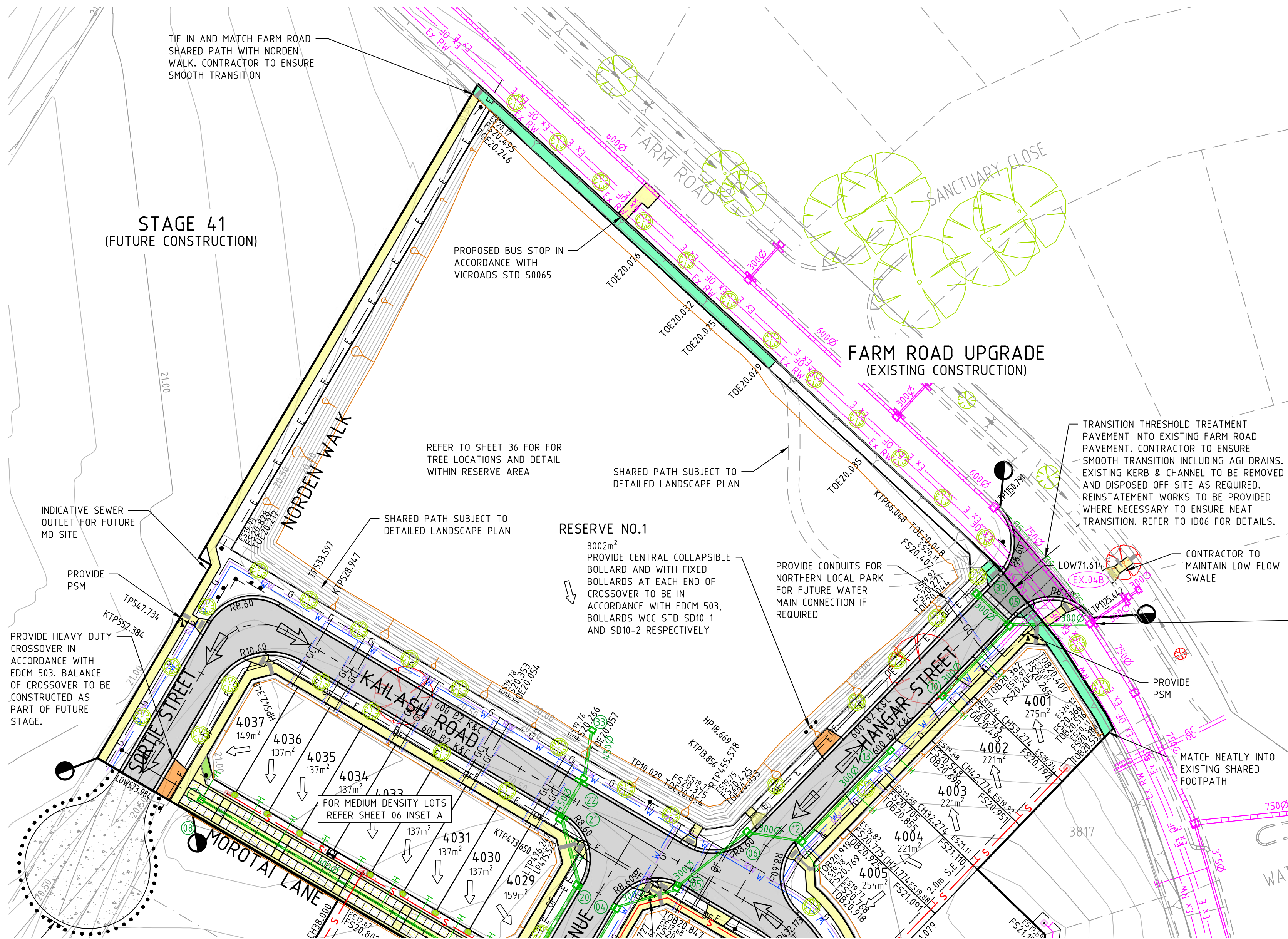


RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
DETAIL PLAN
SHEET 01 OF 02
Drawing No. 10940DP01
Sheet No. 05 of 41

Rev AC1



AS CONSTRUCTED



PLAN
FOR CONTINUATION REFER TO SHEET 05
SCALE @ A1/A3 1500/11000

TABLE OF SERVICE LOCATIONS

STREET NAME	SEW	DW	NDW	GAS	OF	ELEC	POLES	BOK
GRAMPIANS AVENUE	1.00 E/W	2.75 E	2.20 E	1.75 E	1.725 W	2.50 W	+0.80 S	4.35
KAILASH ROAD LOTS 4006-4008	-	3.10 E	2.55 E	2.10 E	1.725 W	2.50 W	+0.80 S	4.35
KAILASH ROAD LOTS 4009-4037	1.00 S	2.40 N	1.85 N	1.40 N	1.725 S	2.225 S	+0.80 S	3.60
SIDING STREET	1.00 N	3.00 S	2.50 S	2.10 S	2.00 N	2.50 N	+0.80 S	4.35
MOROTAI LANE	1.00 N	-	-	-	-	-	-	-
SORTIE STREET	-	3.00 W	2.50 W	2.10 W	1.725 E	2.25 E	+0.80 S	4.35
HANGAR STREET	-	3.00 S	2.50 S	2.10 S	1.100 N	1.575 N	+0.80 S	4.35E/2.85W

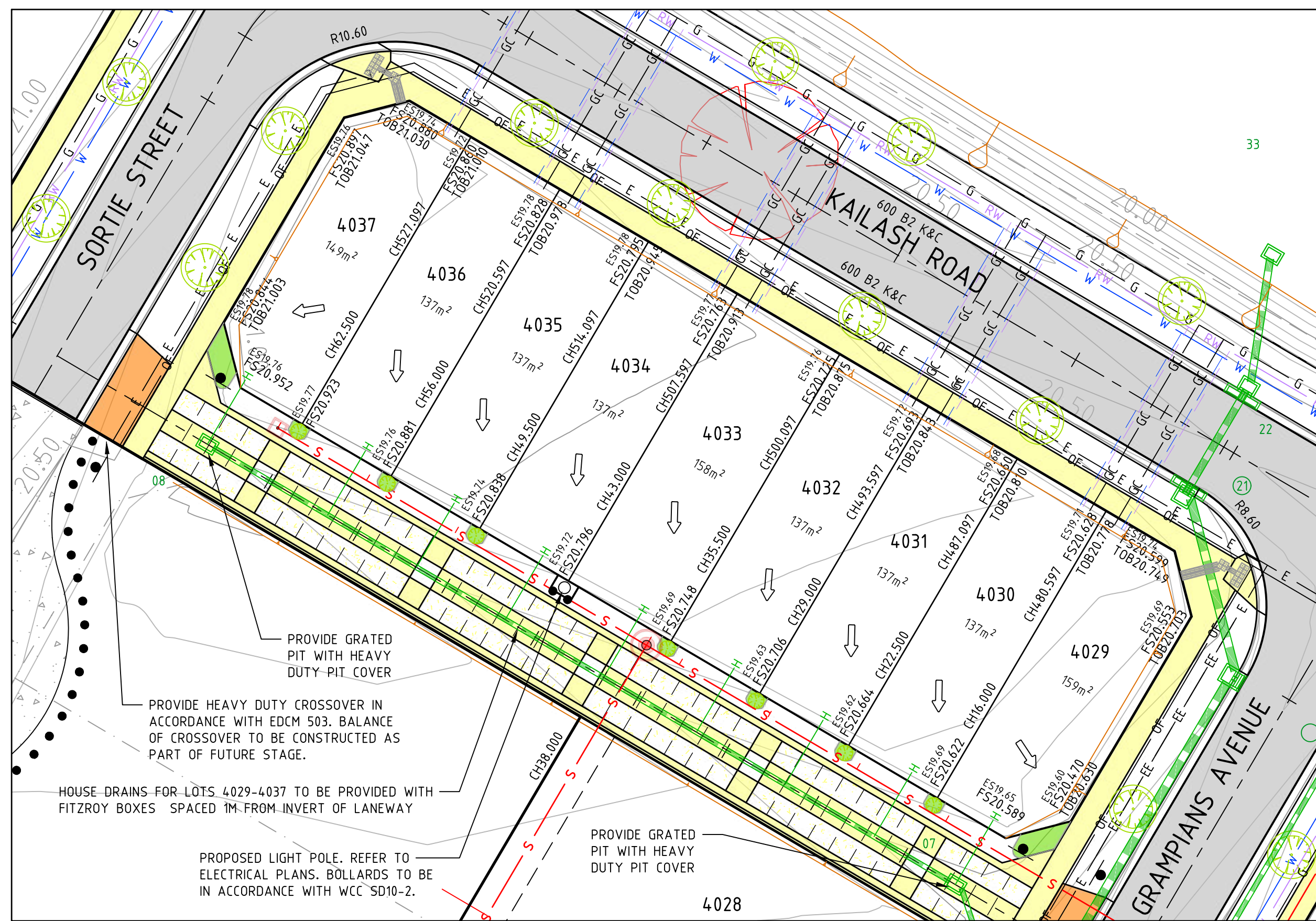
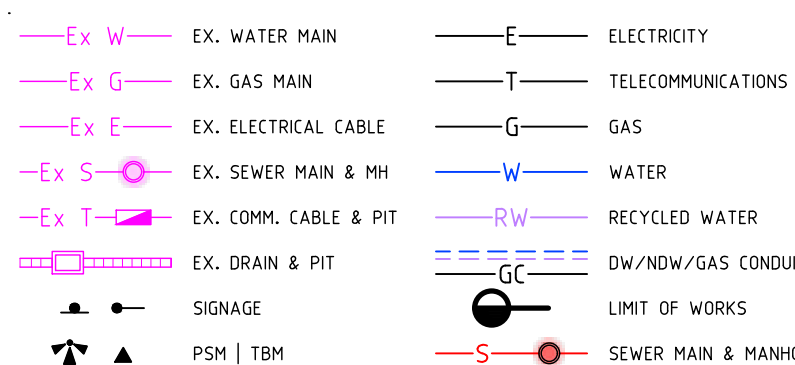
* FROM BACK OF KERB

TBM SCHEDULE

I.D.	TYPE	EASTING	NORTHING	LEVEL
201	RIVET	293313.889	5801608.486	20.32
910	RIVET	293299.340	5801399.356	20.35
No.1	RIVET	293130.10	5801386.10	19.52
No.2	RIVET	293032.03	5801403.63	19.69

NOTE: TBM'S
TBMS SHOWN IN THE TABLE ABOVE ARE OUTSIDE OF THE SCOPE OF THIS DRAWING. REFER TO 10940SP01 FOR LOCATION OF TBMS IN RELATION TO STAGE 40 WORKS.

LEGEND



INSET A
MEDIUM DENSITY LOTS 4029 TO 4037
SCALE @ A1/A3 1:250/1:500

NOTE: END OF PAVEMENT WORKS
CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES
ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE FCR BACKFILLED.

NOTE: EXISTING STRUCTURES
ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING
TACTILE GROUND SURFACE INDICATORS (TGSIS) ARE SHOWN INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 1428.4.1:2009.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

NOTE: BULK EARTHWORKS
PERMIT 11 BULK EARTHWORKS TO BE COMPLETED PRIOR TO THE COMMENCEMENT OF STAGE 40 CIVIL WORKS (DCE JOB NUMBER 10870).

NOTE: EXISTING SURFACE LEVELS
ALL EXISTING CORNER LEVELS SHOWN ON THIS PLAN ARE PRIOR TO THE COMMENCEMENT OF PERMIT 11 BULK EARTHWORKS (DCE JOB NUMBER 10870).

BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

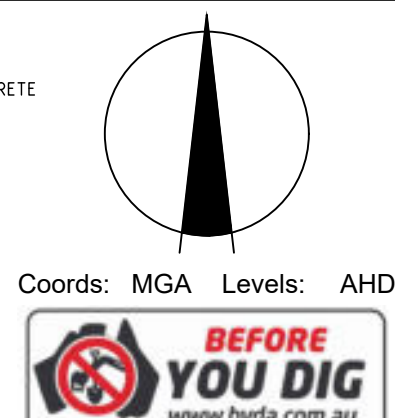
WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn
Date
AN
Designed
Date
AN
Checked
Date
AN
Reg. Eng.
Date
AN
T.GUTIERREZ
14/09/22
3401095
P.NICHOLSON
13/09/22
3791018
S.RAJKOVIC
21/09/22
2951057
T.LIAKOPOULOS
02/02/23
PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

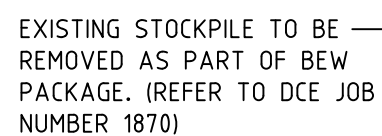


RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
DETAIL PLAN
SHEET 02 OF 02
Drawing No. 10940DP02
Sheet No. 06 of 41

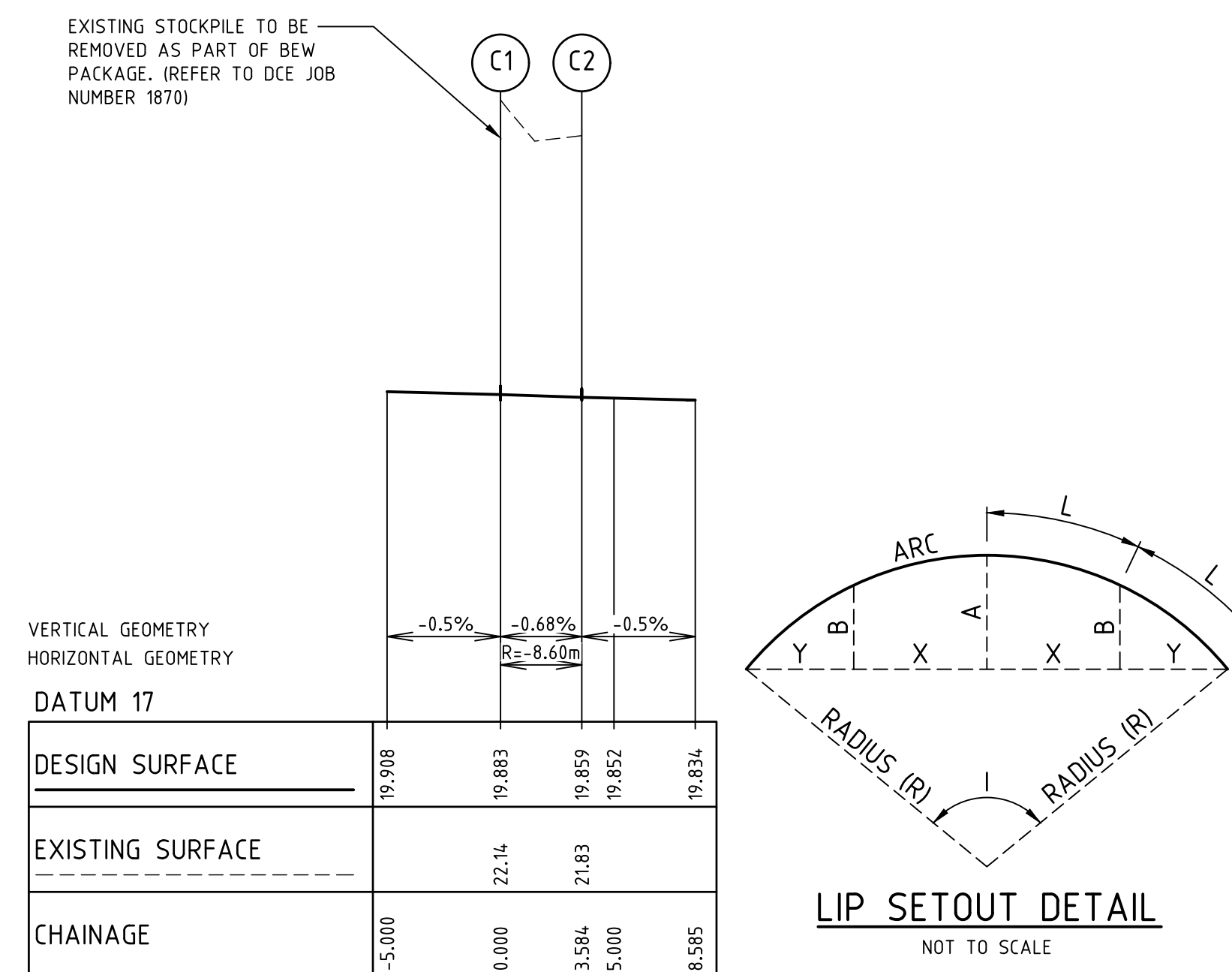
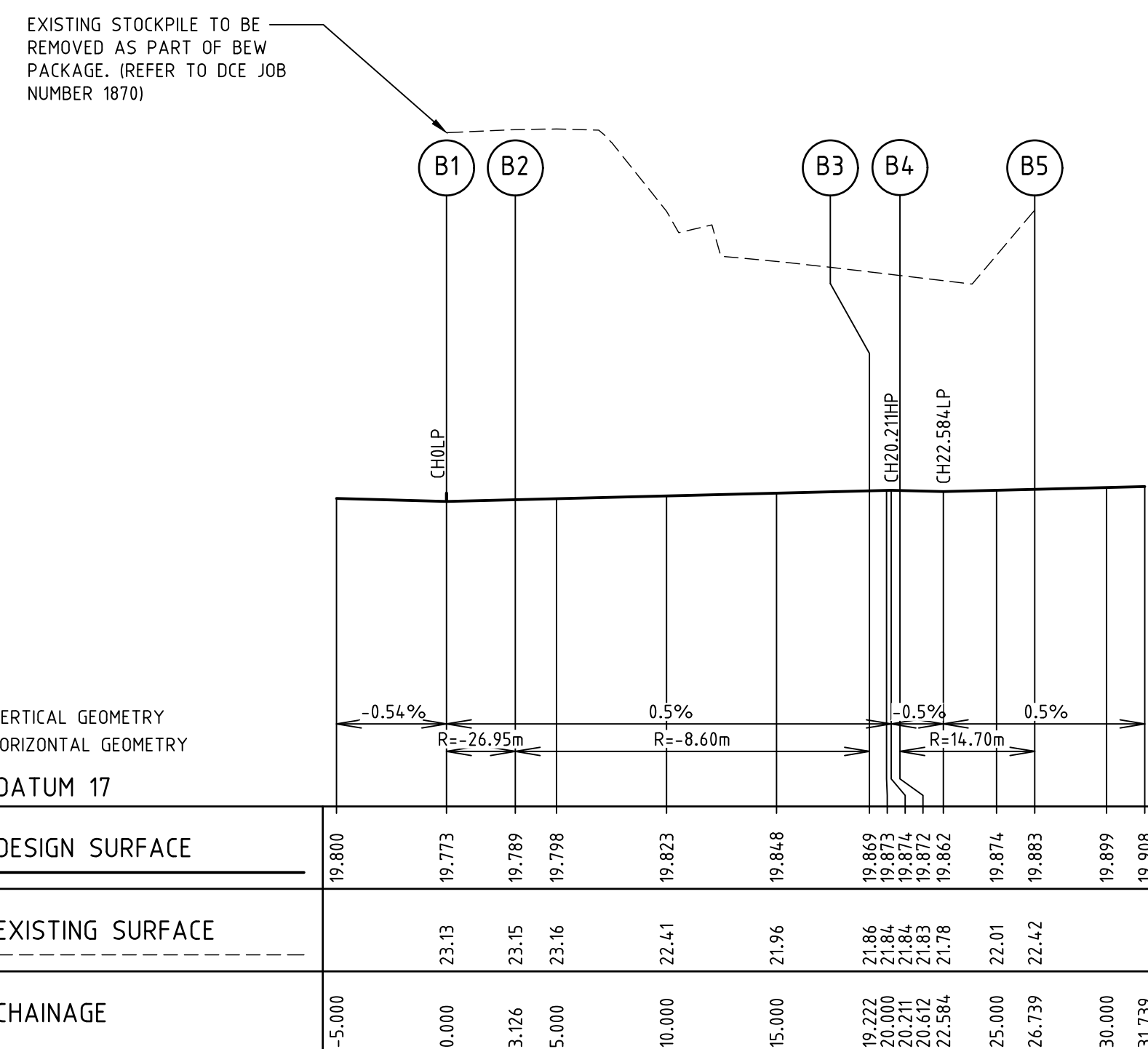
Rev AC1



AS CONSTRUCTED



VERTICAL GEOMETRY HORIZONTAL GEOMETRY	
DATUM 17	
DESIGN SURFACE	
EXISTING SURFACE	
CHAINAGE	



NOTE: END OF PAVEMENT WORKS
CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO
THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES
ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD
PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE FCR
BACKFILLED.

NOTE: EXISTING STRUCTURES
ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES
WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW
FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING
TACTILE GROUND SURFACE INDICATORS (TGSI'S) ARE SHOWN
INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE
WITH AS/NZS 1428.4.1:2009.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF
WORKS SHALL BE PROTECTED AND KEPT IN
FUNCTIONAL STATE AT ALL TIMES DURING
WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY
OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE
VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE
CABLES IN THE VICINITY OF WORKS.
TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE
UNTIL THE CONTRACTOR CONFIRMS THE I.L.
OF ALL EXISTING DRAINS, AND CONFIRMS IN
WRITING WITH THE ENGINEERING
SUPERVISOR.

DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!


THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.


WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE
CONSTRUCTED FROM ASBESTOS CONTAINING
MATERIAL. CONTACT THE SUPERINTENDENT
FOR INSTRUCTIONS ON HOW TO MANAGE
ANY POTENTIAL ASBESTOS HAZARD.


AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D




Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821


© Dalton Consulting Engineers Pty Ltd


- ## LEGEND
- | | | |
|--|---|--|
|  SEWER MAIN & MANHOLE



 SW DRAIN & PIT


 HOUSE DRAIN PROP. INLET


 FSZ1.650
 FSZ0.650
 TOB21.650


 SIGNAGE


 LIP PROFILE SETOUT


 EX. COMM. CABLE & PIT |  ELECTRICITY


 TELECOMMUNICATIONS



 GAS



 WATER


 RECYCLED WATER


 DN/WD/GAS CONDUITS


 EX. DRAIN & PIT

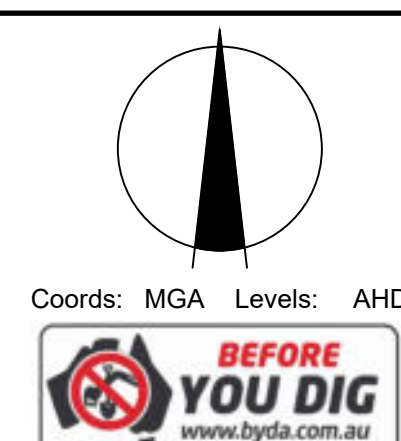
 EX. SEWER MAIN & MH | <div style="text-align: right; margin-bottom: 10px;">155.0</div>  MAJOR FS CONTOUR

 MINOR FS CONTOUR
 PROPOSED TREE WITH 3m TREE RING

 EX. WATER MAIN

 EX. GAS MAIN

 EX. ELECTRICAL CABLE |
|--|---|--|

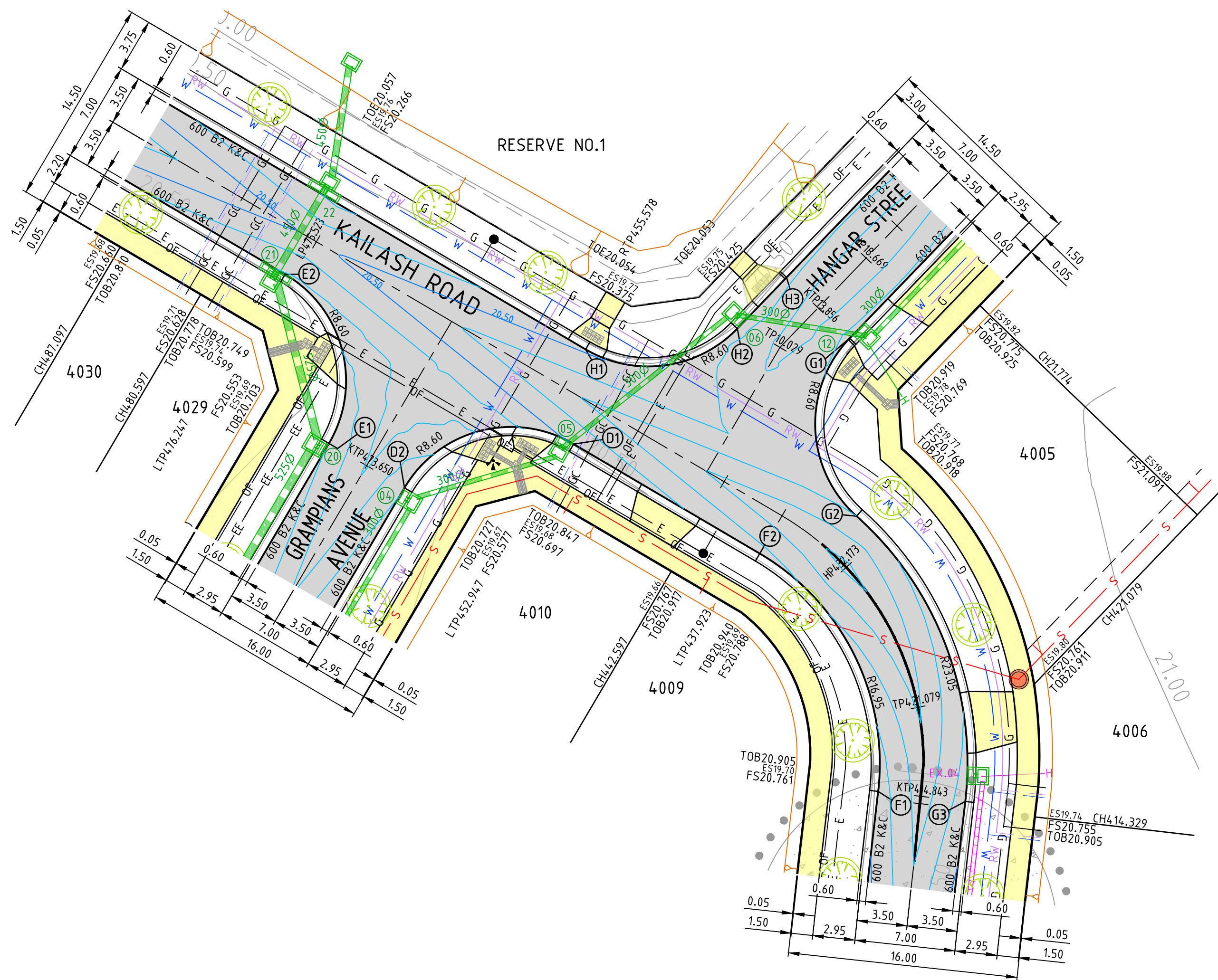


RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
INTERSECTION DETAILS
SHEET 01 OF 05
Drawing No. 10940ID01
Sheet No. 07 of 41

Rev AC1



AS CONSTRUCTED



ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	293207.785	5801598.870	20.505
D2	293196.011	5801595.821	20.303
CURVE NO	RADIUS	ARC	A
D1 - D2	90.000	8.600	13.509

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	293190.754	5801598.916	20.303
E2	293187.705	5801610.689	20.396
CURVE NO	RADIUS	ARC	A
E1 - E2	90.000	8.600	13.509

ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	293228.972	5801574.694	20.523
F2	293220.732	5801591.249	20.581
Curve no	RADIUS	ARC	A
F1 - F2	66.120	16.950	19.560

NOTE: END OF PAVEMENT WORKS
CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES
ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE FCR BACKFILLED.

NOTE: EXISTING STRUCTURES
ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING
TACTILE GROUND SURFACE INDICATORS (TGSI'S) ARE SHOWN INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 1428.4:12009.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

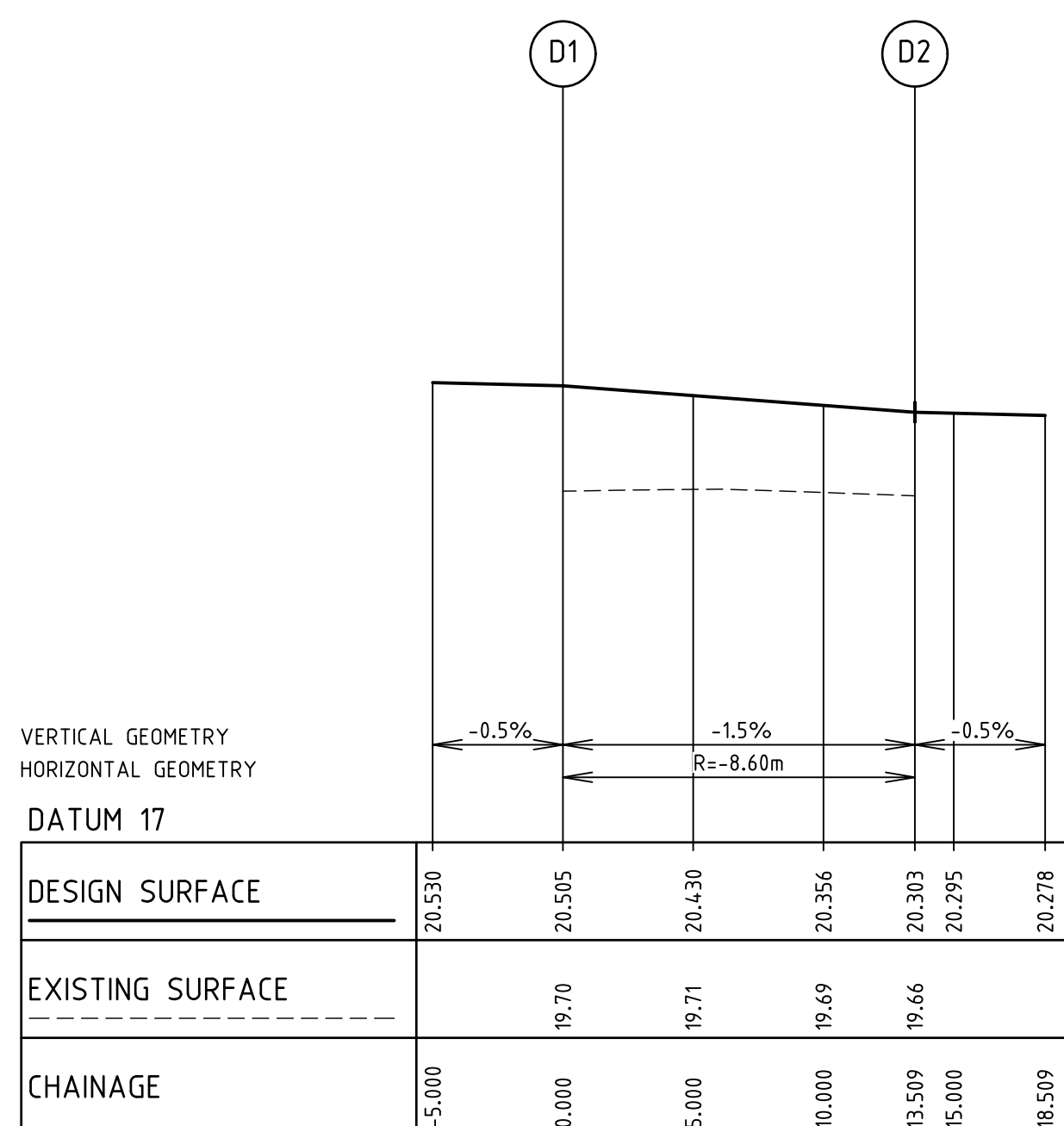
BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

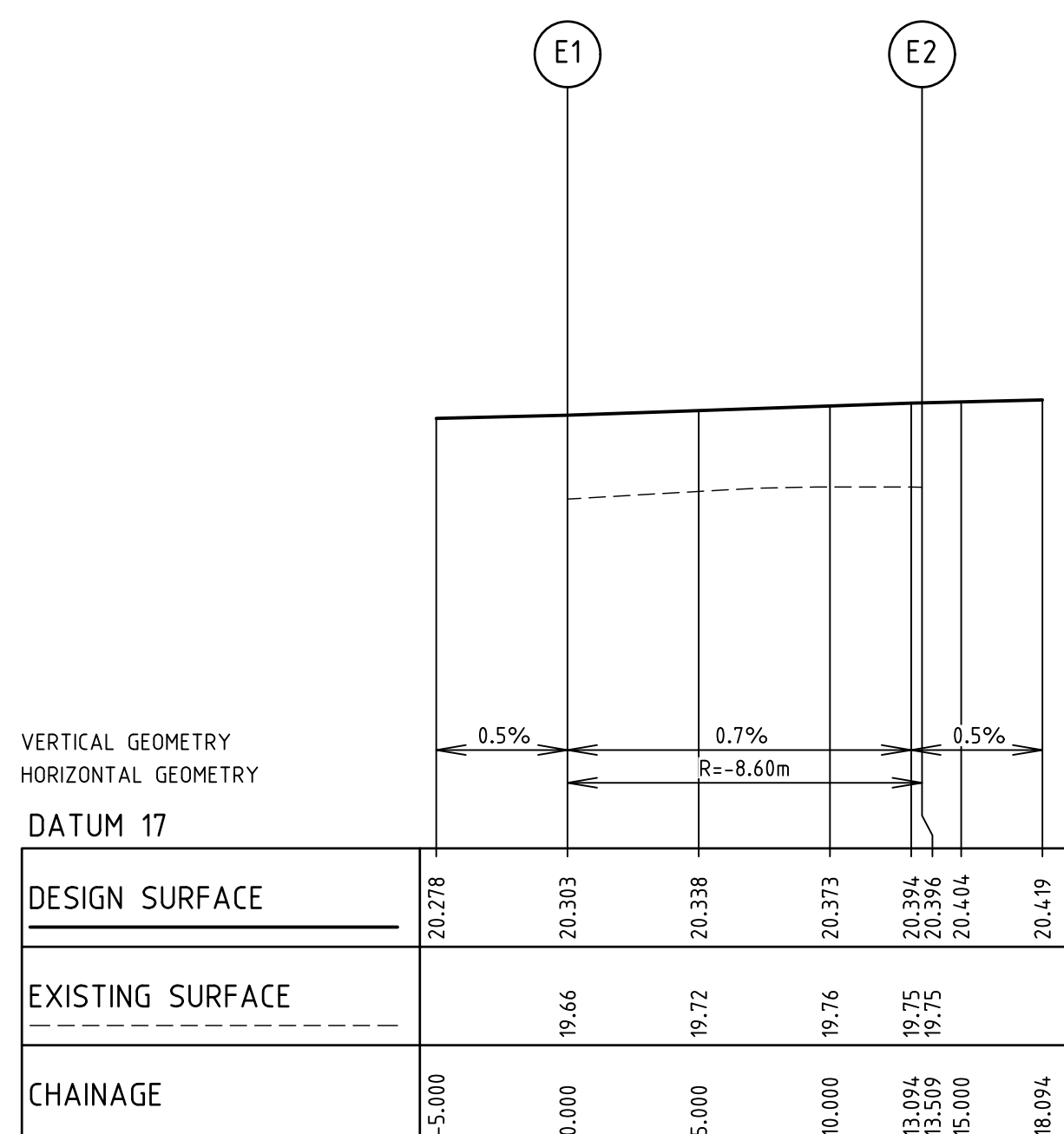
DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

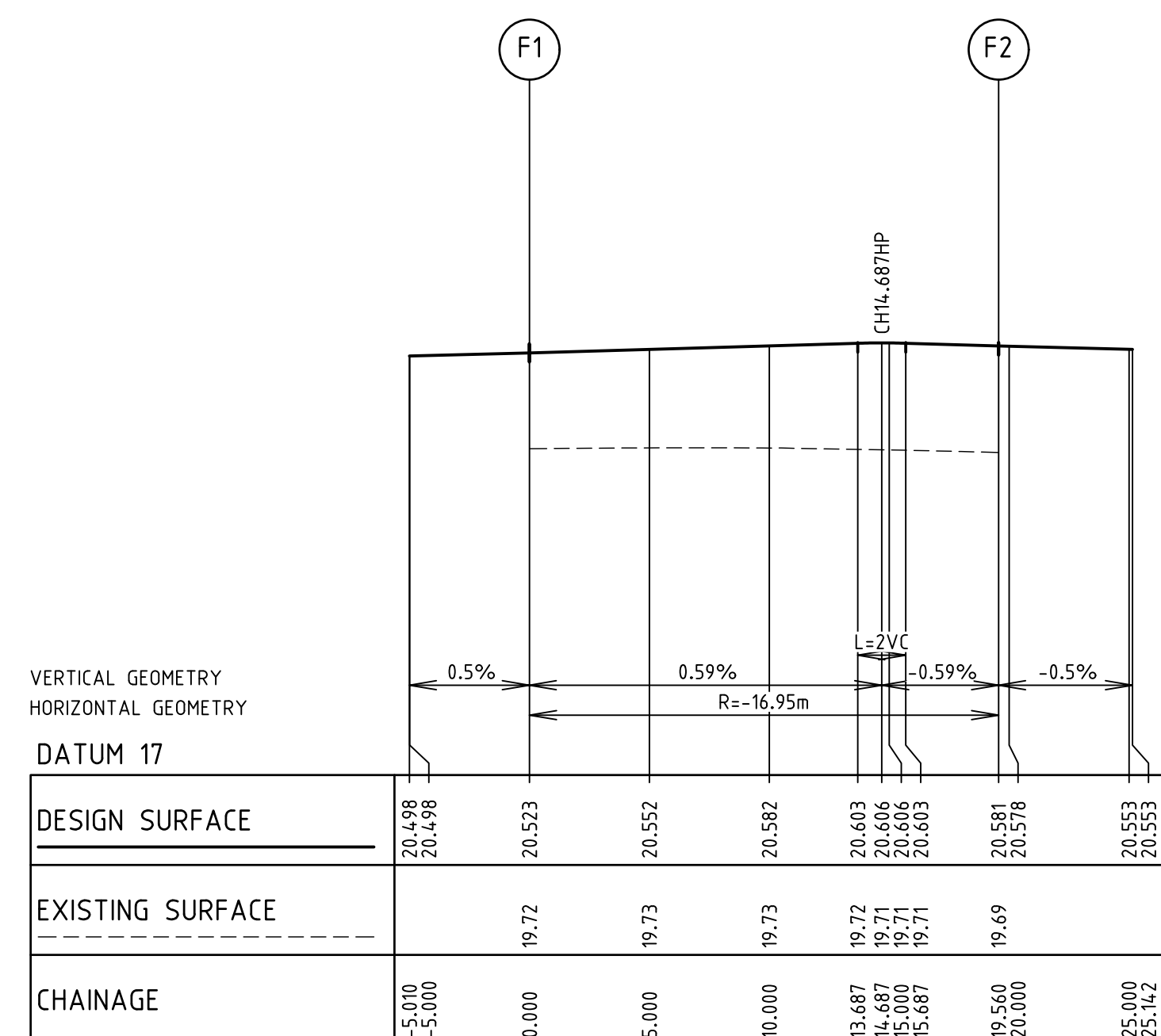
WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.



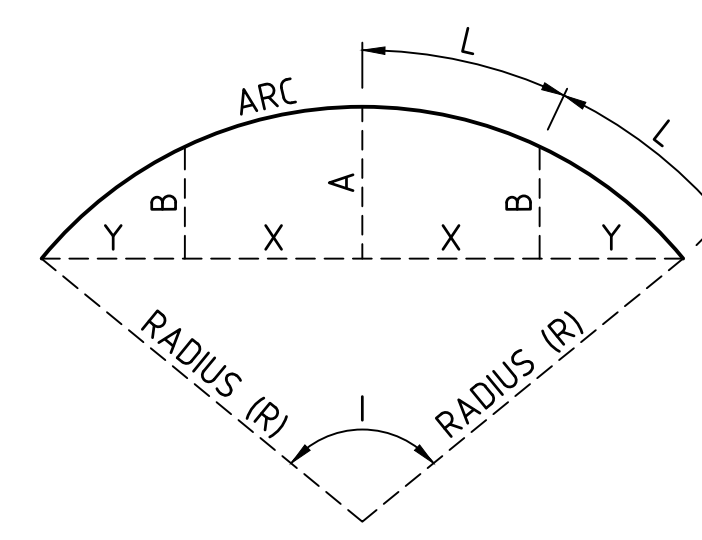
LIP PROFILE D



LIP PROFILE E



LIP PROFILE F



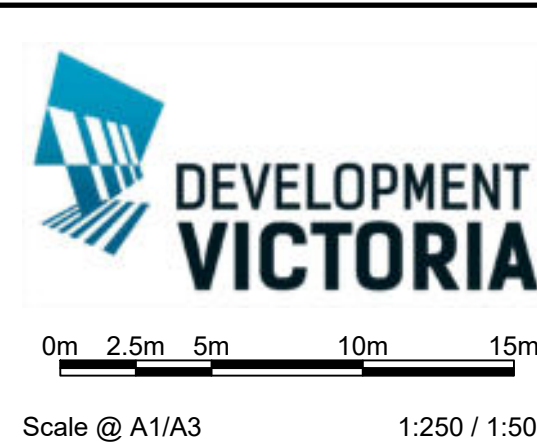
LIP SETOUT DETAIL
NOT TO SCALE

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn
Date
AN
Designed
Date
AN
Checked
Date
AN
Reg. Eng.
Date
AN

R.GUTIERREZ
14/09/22
3401095
P.NICHOLSON
13/09/22
3791018
S.RAJKOVIC
21/09/22
2951057
T.LIAKOPOULOS
02/02/23
PE0000821

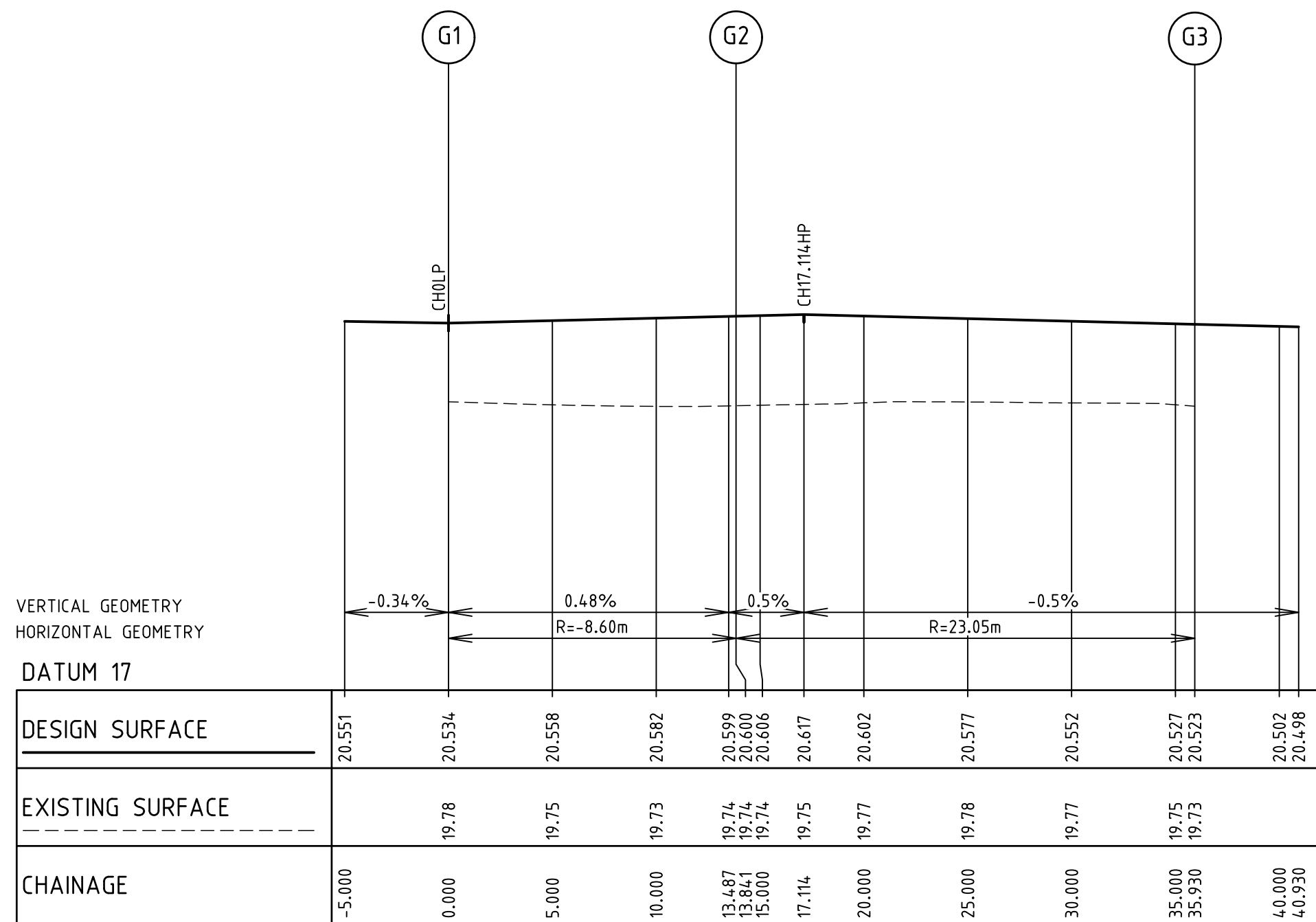
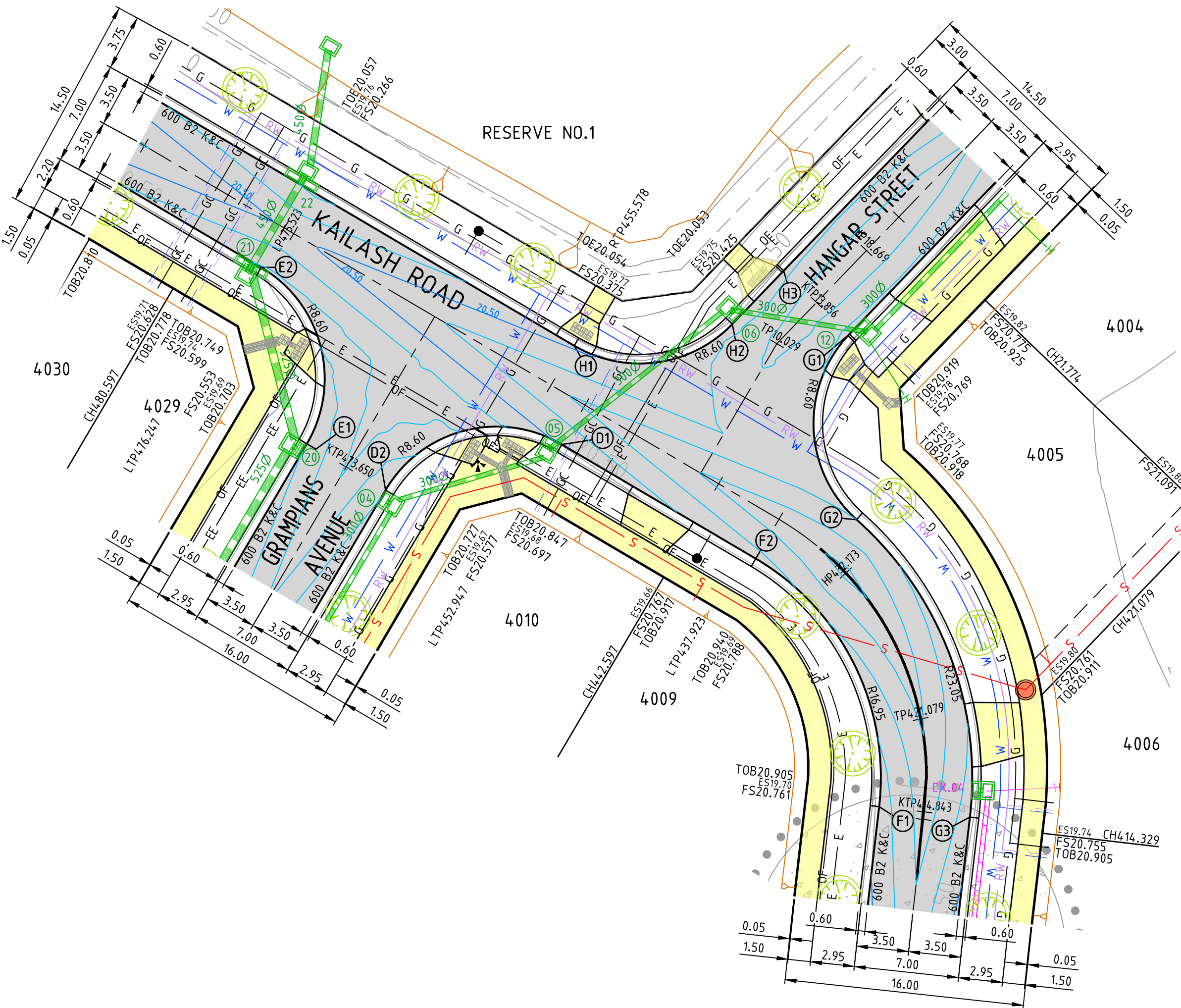
LEGEND	LEGEND	LEGEND
SEWER MAIN & MANHOLE	ELECTRICITY	MAJOR FS CONTOUR
SW DRAIN & PIT	TELECOMMUNICATIONS	MINOR FS CONTOUR
HOUSE DRAIN PROP. INLET	GAS	PROPOSED TREE WITH 3m TREE RING
FS21.650 FINISHED SURFACE LEVEL	WATER	EX. WATER MAIN
FS20.16 TOB21.650 EX. SURFACE LEVEL	RECYCLED WATER	EX. GAS MAIN
TOE21.650 TOP OF BATTER LEVEL	DW/NDW/GAS CONDUITS	EX. ELECTRICAL CABLE
SIGNAGE	EX. DRAIN & PIT	
LIP PROFILE SETOUT	EX. COMM. CABLE & PIT	
EX. S- EX. SEWER MAIN & MH		



RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
INTERSECTION DETAILS
SHEET 02 OF 05
Drawing No. 10940ID02
Sheet No. 08 of 41

Rev AC1





LIP PROFILE G

ALIGNMENT G

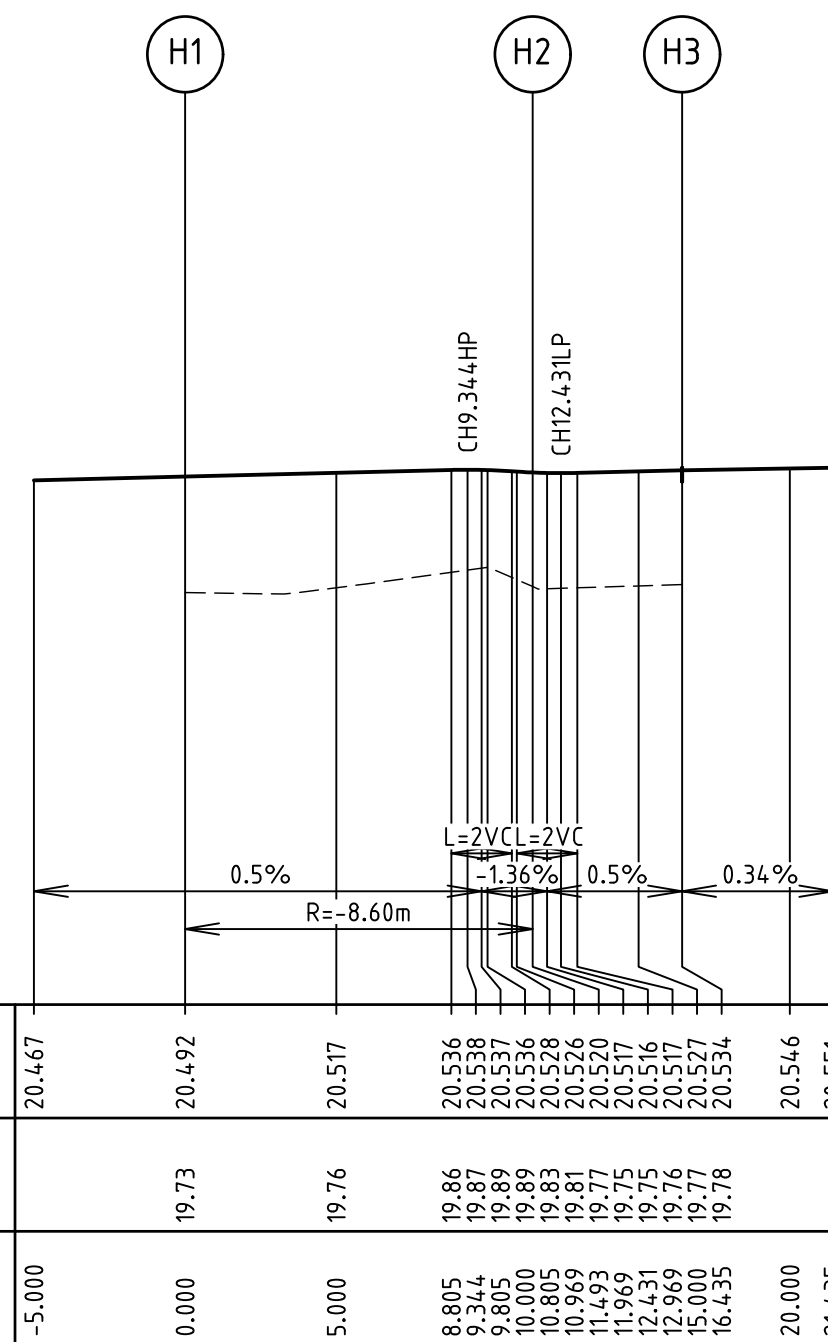
POINT NO	EASTING	NORTHING	RL
G1	293226.991	5801606.239	20.534
G2	293227.466	5801593.853	20.600
G3	293235.031	5801573.992	20.523

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT	RL
G1 - G2	92.213	8.600	13.841	2.637	1.951	3.368	2.830	3.460	20.567	
G2 - G3	54.906	23.050	22.088	2.596	1.937	5.469	5.157	5.522	20.578	

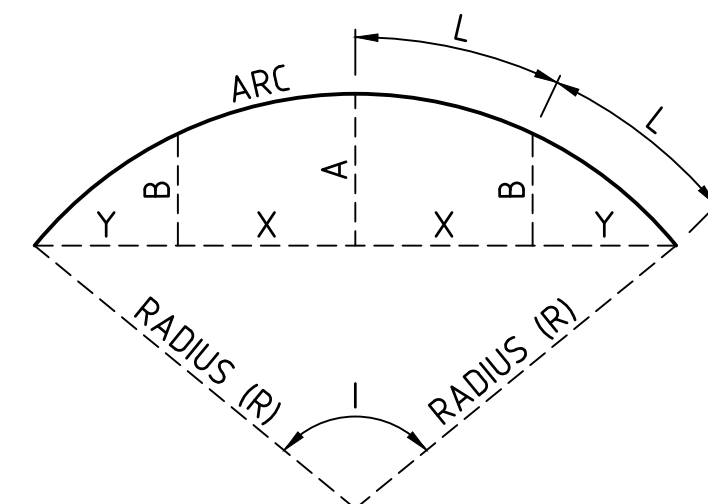
ALIGNMENT H

POINT NO	EASTING	NORTHING	RL
H1	293208.611	5801605.462	20.492
H2	293219.169	5801606.910	20.520
H3	293222.596	5801610.469	20.534

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT	RL
H1 - H2	76.573	8.600	11.493	1.850	1.374	2.820	2.508	2.873	20.521	



LIP PROFILE H



LIP SETOUT DETAIL

NOT TO SCALE

NOTE: END OF PAVEMENT WORKS
CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES
ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE FCR BACKFILLED.

NOTE: EXISTING STRUCTURES
ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING
TACTILE GROUND SURFACE INDICATORS (TGSIS) ARE SHOWN INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 1428.4.1:2009.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn
Date
AN
14/09/22
3401095
Designed
Date
AN
13/09/22
3791018
Checked
Date
AN
21/09/22
2951057
Reg. Eng.
Date
AN
02/02/23
PE0000821
© Dalton Consulting Engineers Pty Ltd

LEGEND
— S — SEWER MAIN & MANHOLE
— SW — SW DRAIN & PIT
— H — HOUSE DRAIN & PROP. INLET
— FS — FINISHED SURFACE LEVEL
— EX — EX. SURFACE LEVEL
— TOB — TOP OF BATTER LEVEL
— TOE — TOE OF BATTER LEVEL
— SIGNAGE
— LIP PROFILE SETOUT
— EX — EX. COMM. CABLE & PIT
— E — ELECTRICITY
— T — TELECOMMUNICATIONS
— G — GAS
— W — WATER
— RW — RECYCLED WATER
— GC — DW/NDW/GAS CONDUITS
— EX — EX. DRAIN & PIT
— EX — EX. SEWER MAIN & MH
— 155.0 — MAJOR FS CONTOUR
— 155.0 — MINOR FS CONTOUR
— EX — EX. WATER MAIN
— EX — EX. GAS MAIN
— EX — EX. ELECTRICAL CABLE

— FINISHED SURFACE
— EXISTING SURFACE
— FILLING OVER 300mm
— ASPHALT PAVEMENT
— CONCRETE PATH | D'WAY
— CONCRETE SHARED PATH
Coords: MGA Levels: AHD
Scale @ A1/A3
H1:250/500 V1:50/100

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
INTERSECTION DETAILS
SHEET 03 OF 05
Drawing No. 10940ID03
Sheet No. 09 of 41

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au
AS CONSTRUCTED



ALIGNMENT I

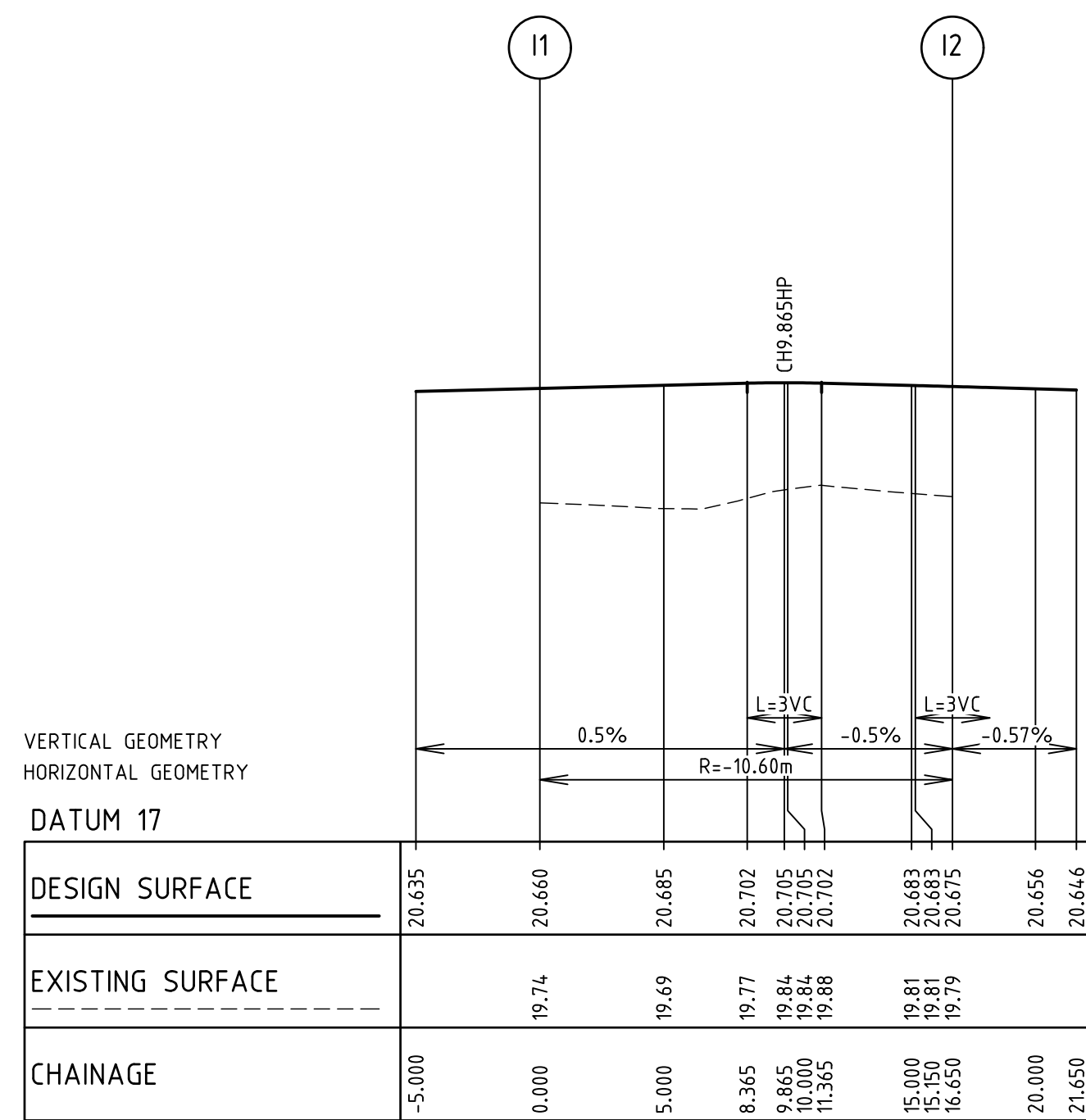
POINT NO	EASTING	NORTHING	RL
I1	293142.288	5801637.422	20.660
I2	293127.777	5801633.664	20.675
CURVE NO	RADIUS	ARC	A
I1 - I2	90.000	10.600	16.650

ALIGNMENT J

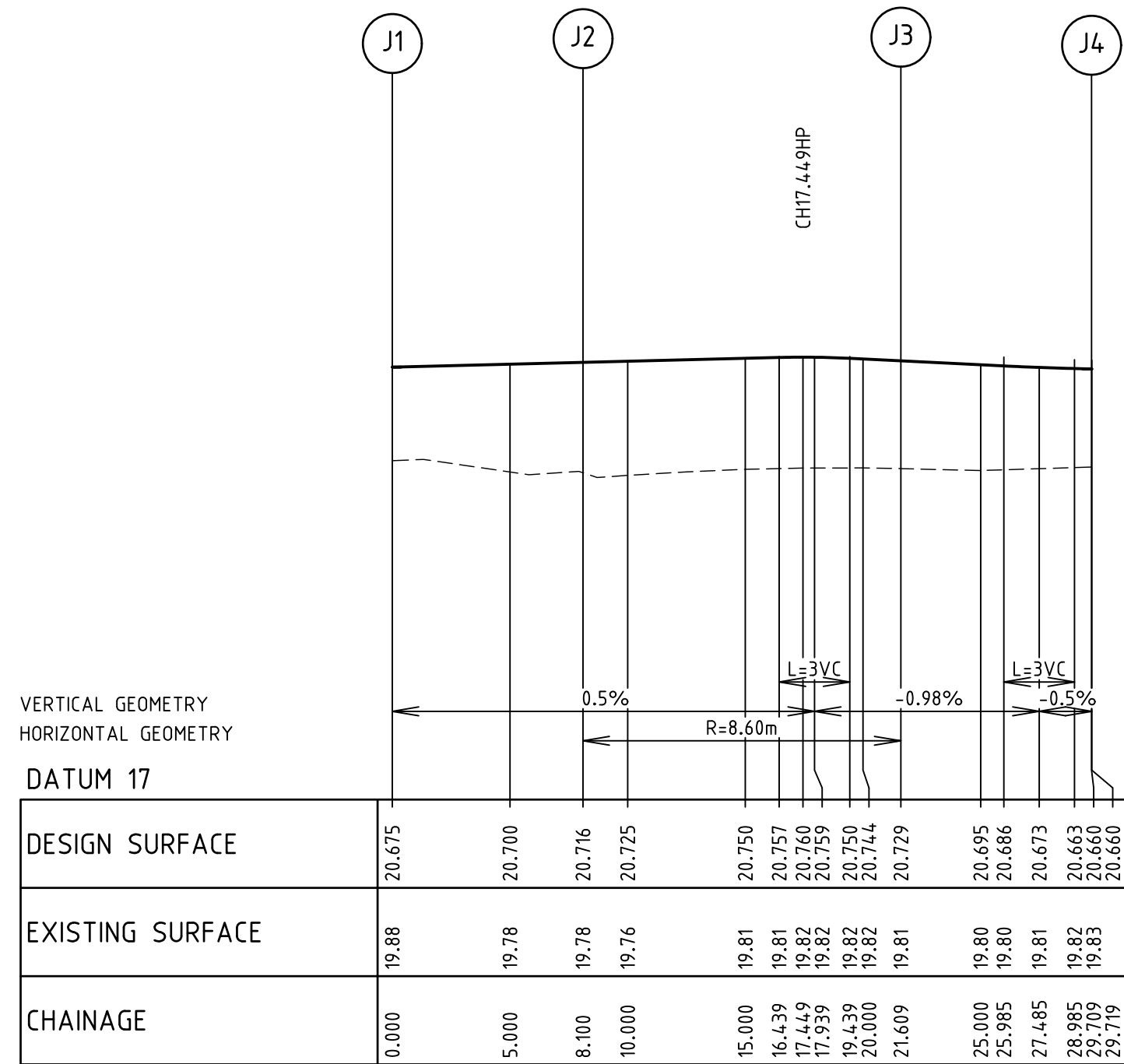
POINT NO	EASTING	NORTHING	RL
J1	293122.520	5801636.758	20.675
J2	293126.628	5801643.739	20.716
J3	293138.402	5801646.788	20.729
J4	293145.383	5801642.679	20.660
CURVE NO	RADIUS	ARC	A
J2 - J3	90.000	8.600	13.509

B	X	Y	L	MID POINT RL
2.298	4.056	3.439	4.163	20.701

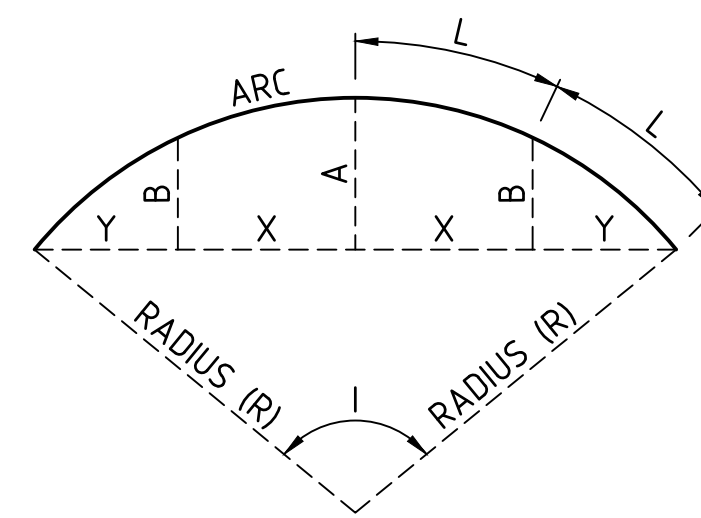
B	X	Y	L	MID POINT RL
1.864	3.291	2.790	3.377	20.749



LIP PROFILE I



LIP PROFILE J



LIP SETOUT DETAIL

NOT TO SCALE

NOTE: END OF PAVEMENT WORKS
CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES
ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE FCR BACKFILLED.

NOTE: EXISTING STRUCTURES
ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING
TACTILE GROUND SURFACE INDICATORS (TGSIS) ARE SHOWN INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 1428.4:2009.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

LEGEND	LEGEND	LEGEND
SEWER MAIN & MANHOLE	ELECTRICITY	MAJOR FS CONTOUR
SW DRAIN & PIT	TELECOMMUNICATIONS	MINOR FS CONTOUR
HOUSE DRAIN & PROP. INLET	GAS	PROPOSED TREE WITH 3m TREE RING
FS21.650	WATER	EX. WATER MAIN
FS20.04	RECYCLED WATER	EX. GAS MAIN
TOB21.650	DW/NOW/GAS CONDUITS	EX. ELECTRICAL CABLE
TOE21.650	LIP PROFILE SETOUT	
SIGNAGE	EX. DRAIN & PIT	
A1	EX. SEWER MAIN & MH	
EX. COMM. CABLE & PIT		

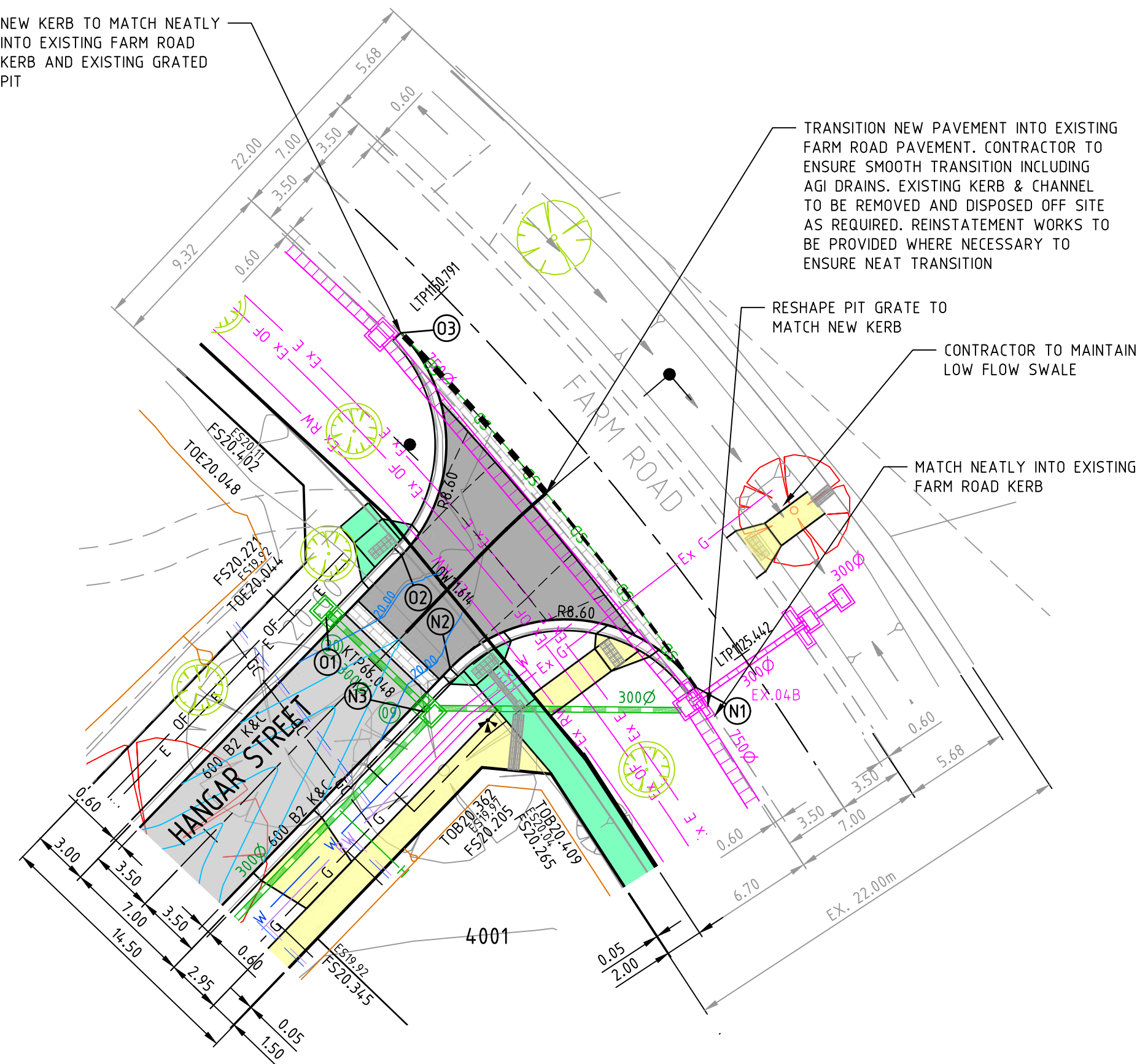


RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
INTERSECTION DETAILS
SHEET 04 OF 05
Drawing No. 10940ID04
Sheet No. 10 of 41

Rev AC1



AS CONSTRUCTED



ALIGNMENT N

POINT NO	EASTING	NORTHING	RL
N1	293278.258	5801644.742	19.910
N2	293265.030	5801645.756	19.983
N3	293263.186	5801643.841	19.970

CURVE NO	L	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
N1 - N2	100.943	8.600	15.151	3.126	2.306	3.667	2.967	3.788	19.948

ALIGNMENT O

POINT NO	EASTING	NORTHING	RL
O1	293258.792	5801648.071	19.970
O2	293262.424	5801651.845	19.980
O3	293262.373	5801663.826	20.036

CURVE NO	L	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
O2 - O3	88.308	8.600	13.255	2.430	1.799	3.232	2.758	3.314	20.013

NOTE: END OF PAVEMENT WORKS

CONCRETE EDGE STRIP AND AG DRAIN TO BE INSTALLED TO THE END OF ALL PAVEMENT WORKS.

NOTE: EXISTING SERVICES

ALL EXISTING SERVICES UNDER NEW AND PROPOSED ROAD PAVEMENT, FOOTPATH AND DRIVEWAYS TO BE FCR BACKFILLED.

NOTE: EXISTING STRUCTURES

ALL EXISTING DRAINAGE PITS AND SEWER STRUCTURES WITHIN NEW WORKS ARE TO BE ADJUSTED TO MATCH NEW FINISHED SURFACE LEVELS.

NOTE: TACTILE PAVING

TACTILE GROUND SURFACE INDICATORS (TGSI'S) ARE SHOWN INDICATIVELY AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 1428.4:12009.

CAUTION!

ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!

NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!

TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!

TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

BEWARE!

DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!

NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!

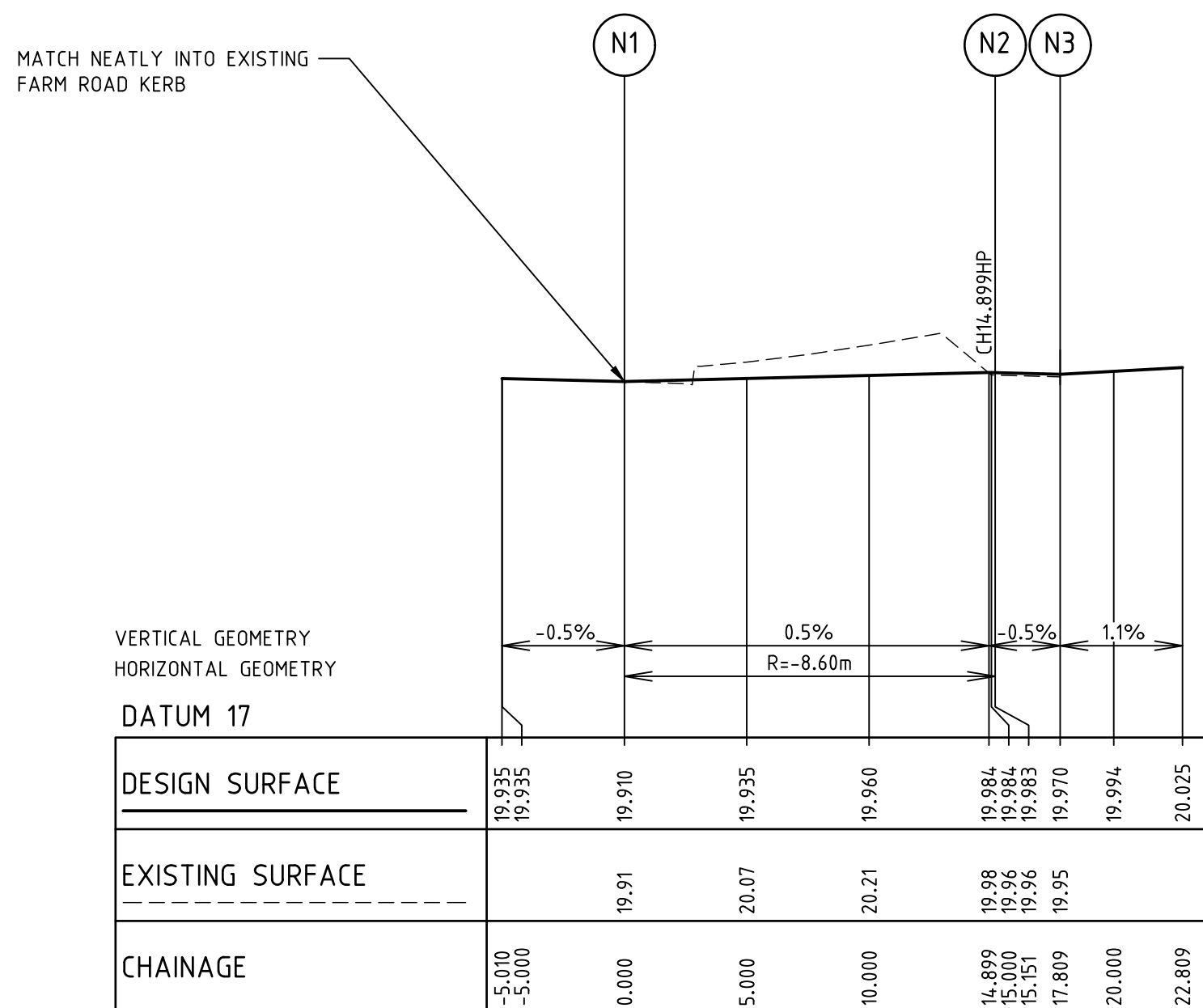
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!

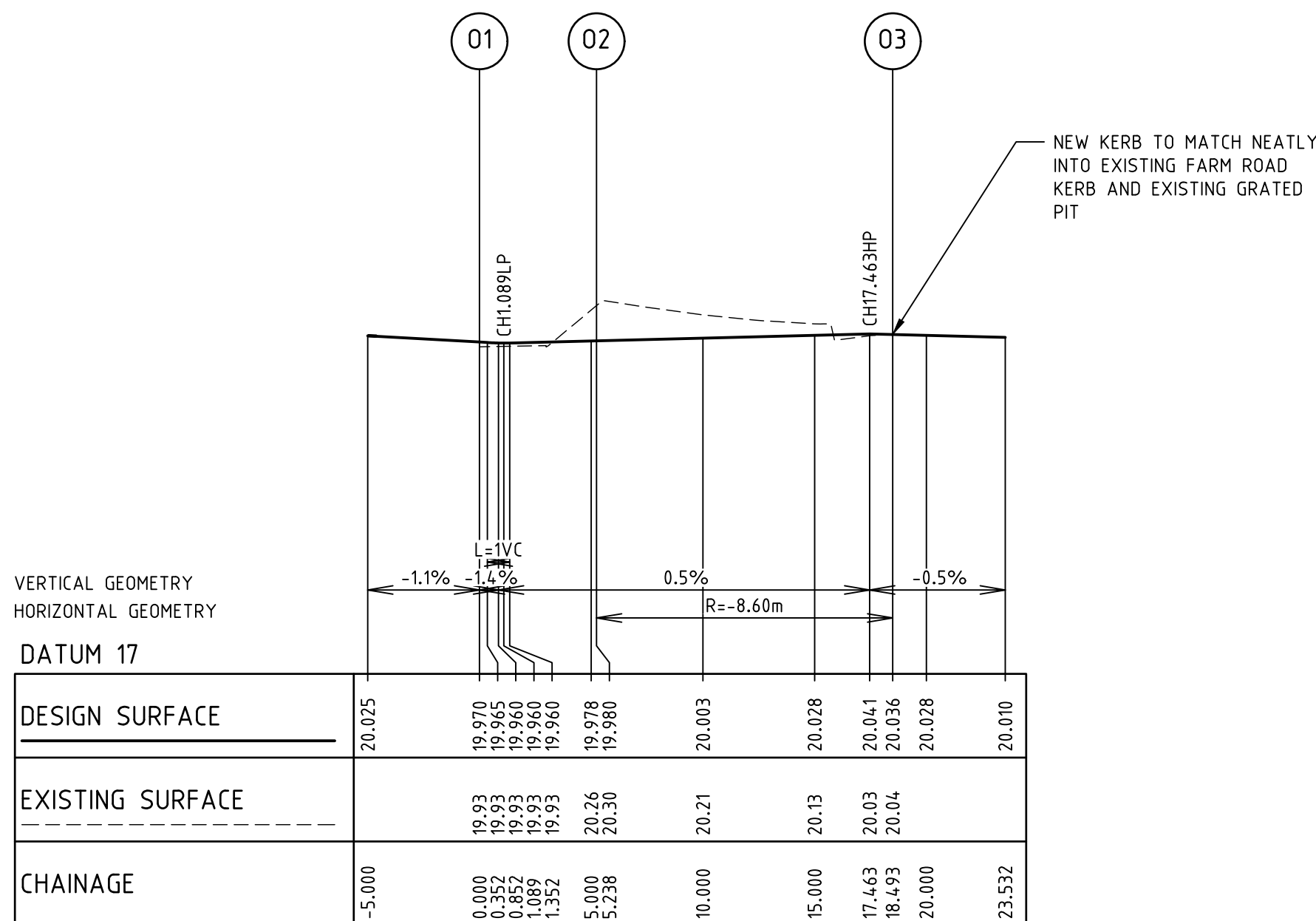
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING!

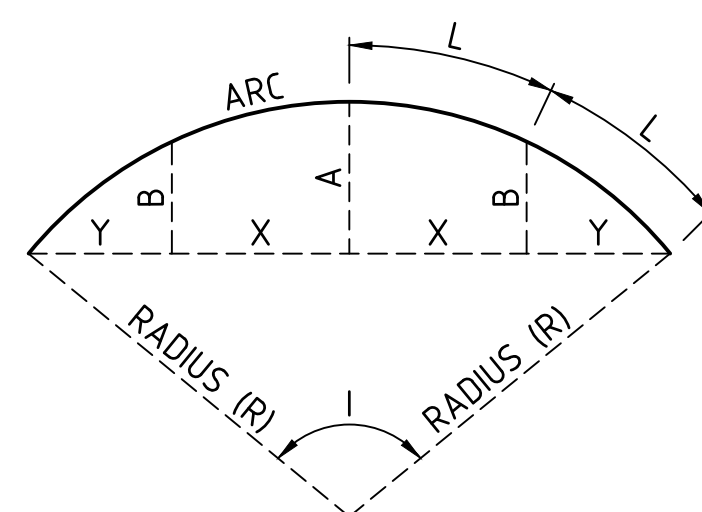
BEWARE OF ASBESTOS! SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.



LIP PROFILE N



LIP PROFILE O



LIP SETOUT DETAIL

NOT TO SCALE

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn: R.GUTIERREZ
Date: 14/09/22
AN: 3401095
Designed: P.NICHOLSON
Date: 13/09/22
AN: 3791018
Checked: S.RAJKOVIC
Date: 21/09/22
AN: 2951057
Reg. Eng. Date: 02/02/23
AN: PEO000821
© Dalton Consulting Engineers Pty Ltd

LEGEND

- SEWER MAIN & MANHOLE
- SW DRAIN & PIT
- HOUSE DRAIN PROP. INLET
- FS21.650
- FS20.04
- TOB21.650
- TOE21.650
- SIGNAGE
- LIP PROFILE SETOUT
- EX. COMM. CABLE & PIT
- ELECTRICITY
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- DW/NDW/GAS CONDUITS
- EX. DRAIN & PIT
- EX. SEWER MAIN & MH
- MAJOR FS CONTOUR
- MINOR FS CONTOUR
- PROPOSED TREE WITH 3m TREE RING
- EX. WATER MAIN
- EX. GAS MAIN
- EX. ELECTRICAL CABLE
- FINISHED SURFACE
- EXISTING SURFACE
- FILLING OVER 300mm
- ASPHALT PAVEMENT
- CONCRETE PATH / D'WAY
- CONCRETE SHARED PATH



RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
INTERSECTION DETAILS
SHEET 05 OF 05
Drawing No. 10940ID05
Sheet No. 11 of 41

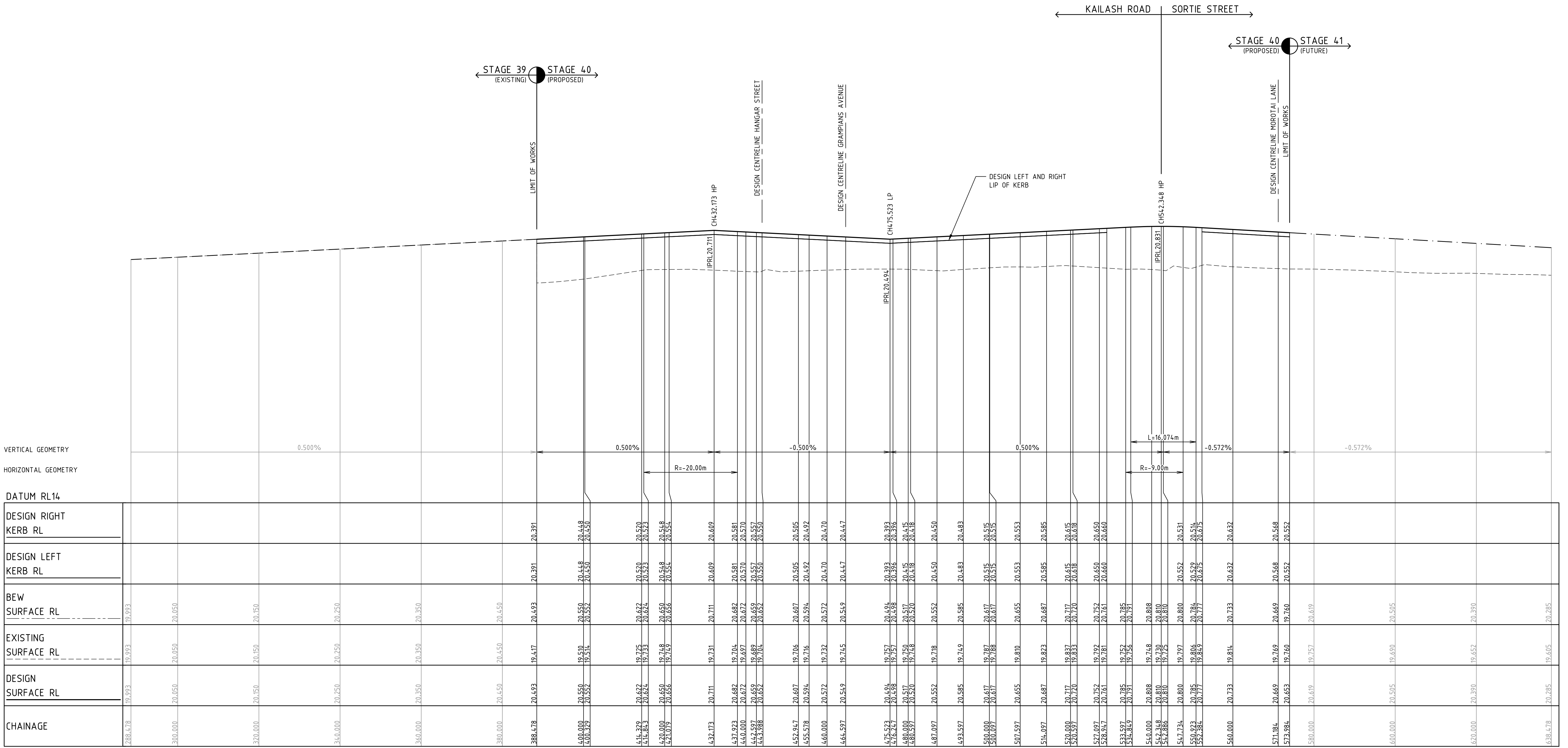
Rev AC1



AS CONSTRUCTED

NOTE: BULK EARTHWORKS (BEW)
FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT REFERENCE NUMBER 10870)

NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS WITH APPROVED FILL MATERIAL



LONGITUDINAL SECTION KAILASH ROAD / SORTIE STREET DESIGN LINE

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

LEGEND
- - - - - EXISTING SURFACE
- - - - - FINISHED SURFACE
- - - - - FIN. SUR. (FUTURE STG.)
- - - - - FIN. SUR. (PREVIOUS STG.)
- - - - - BEW SURFACE
- - - - - LEFT LIP OF KERB
- - - - - RIGHT LIP OF KERB

Coords: MGA Levels: AHD
BEFORE YOU DIG
www.bvda.com.au

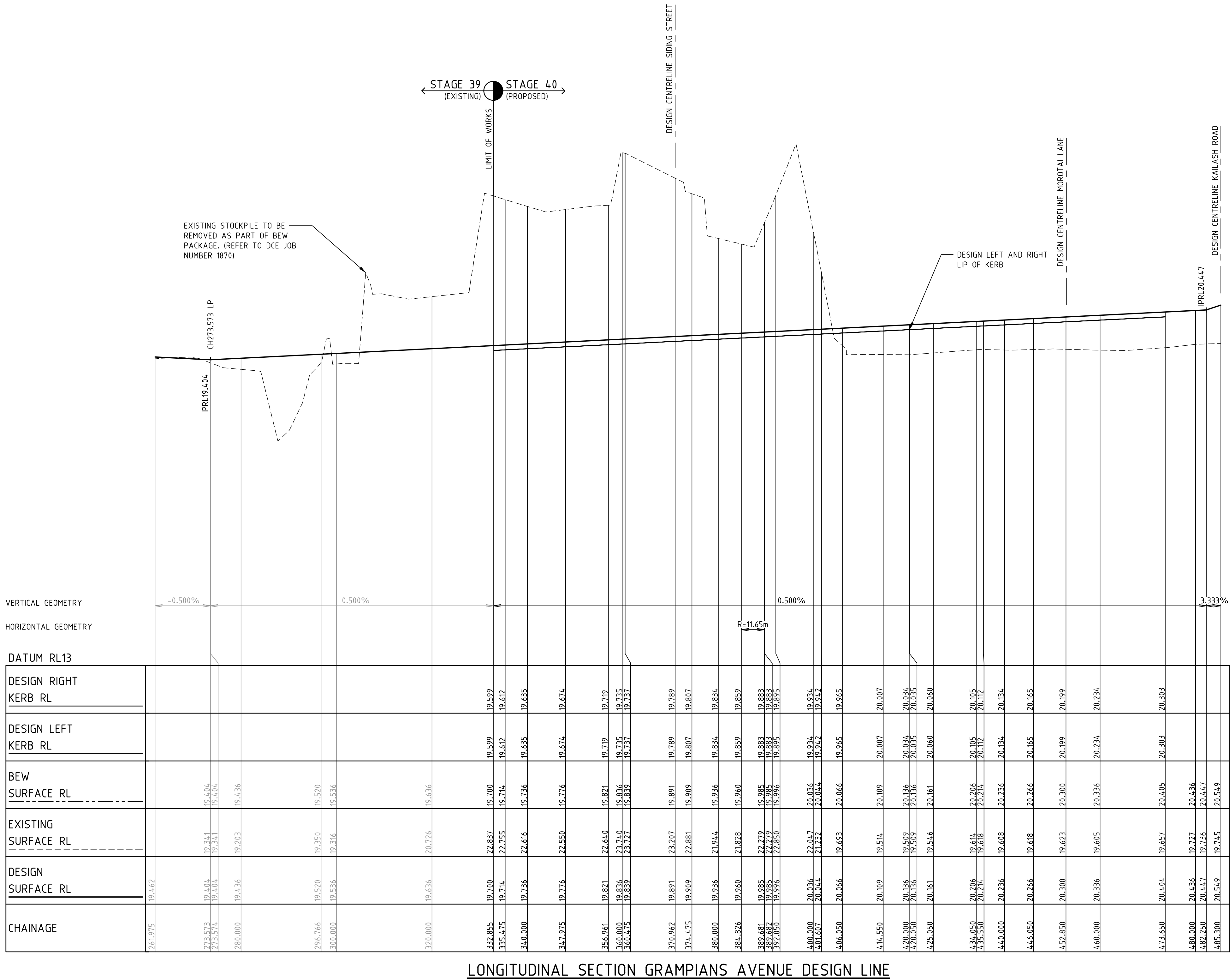
DEVELOPMENT VICTORIA
H 0m 5m 10m 20m 30m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:500/1000 V1:50/100

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
ROAD LONGITUDINAL SECTIONS
SHEET 01 OF 04
Drawing No. 10940LS01
Sheet No. 14 of 41

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au
AS CONSTRUCTED

NOTE: BULK EARTHWORKS (BEW)
FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT REFERENCE NUMBER 10870)

NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS WITH APPROVED FILL MATERIAL



LONGITUDINAL SECTION GRAMPIANS AVENUE DESIGN LINE

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- FIN. SUR. (FUTURE STG.)
- FIN. SUR. (PREVIOUS STG.)
- BEW SURFACE
- LEFT LIP OF KERB
- RIGHT LIP OF KERB

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

Coords: MGA Levels: AHD



H 0m 5m 10m 20m 30m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:500/1000 V1:50/100

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
ROAD LONGITUDINAL SECTIONS
SHEET 02 OF 04
Drawing No. 10940LS02
Sheet No. 15 of 41

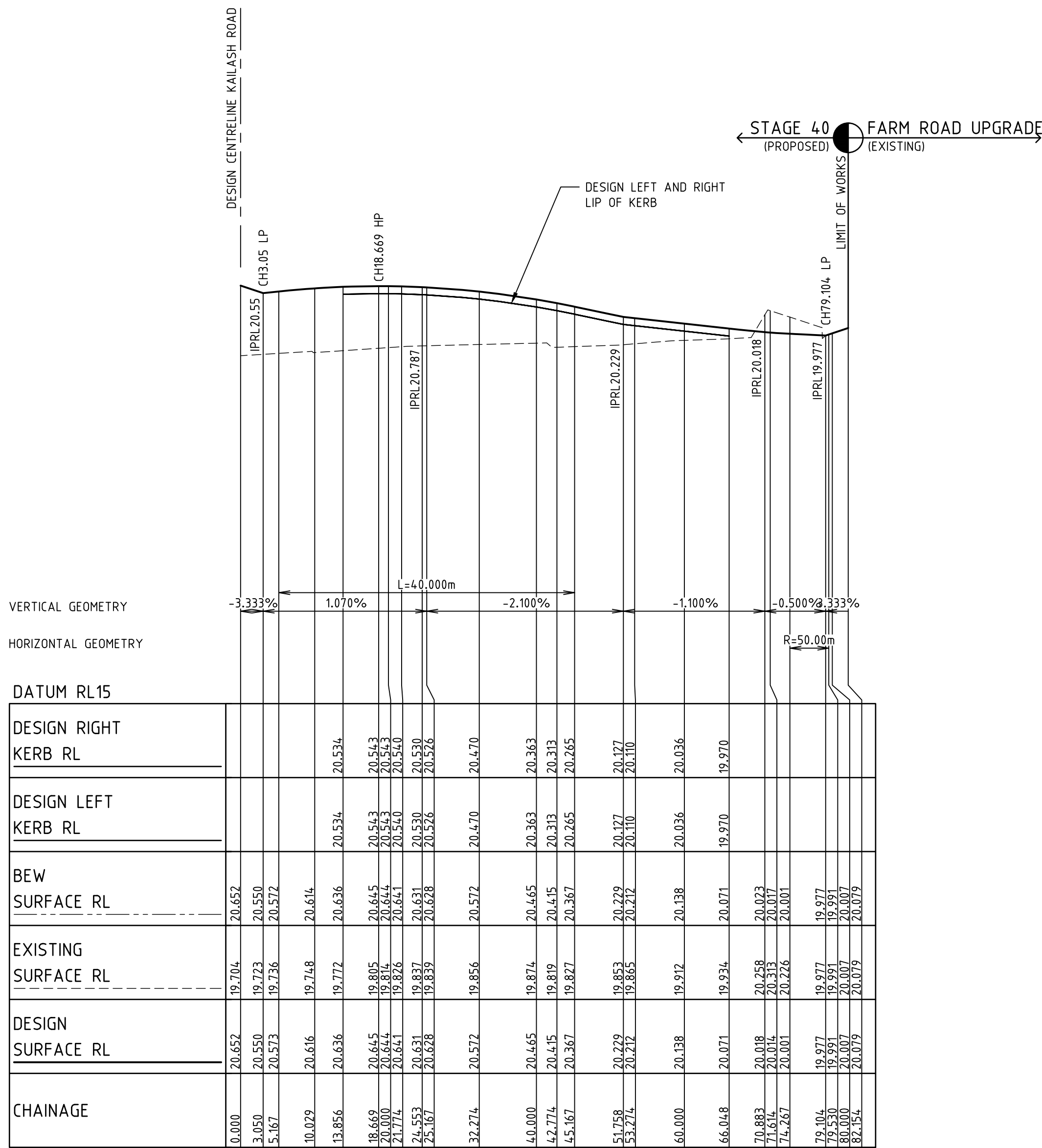
Rev AC1



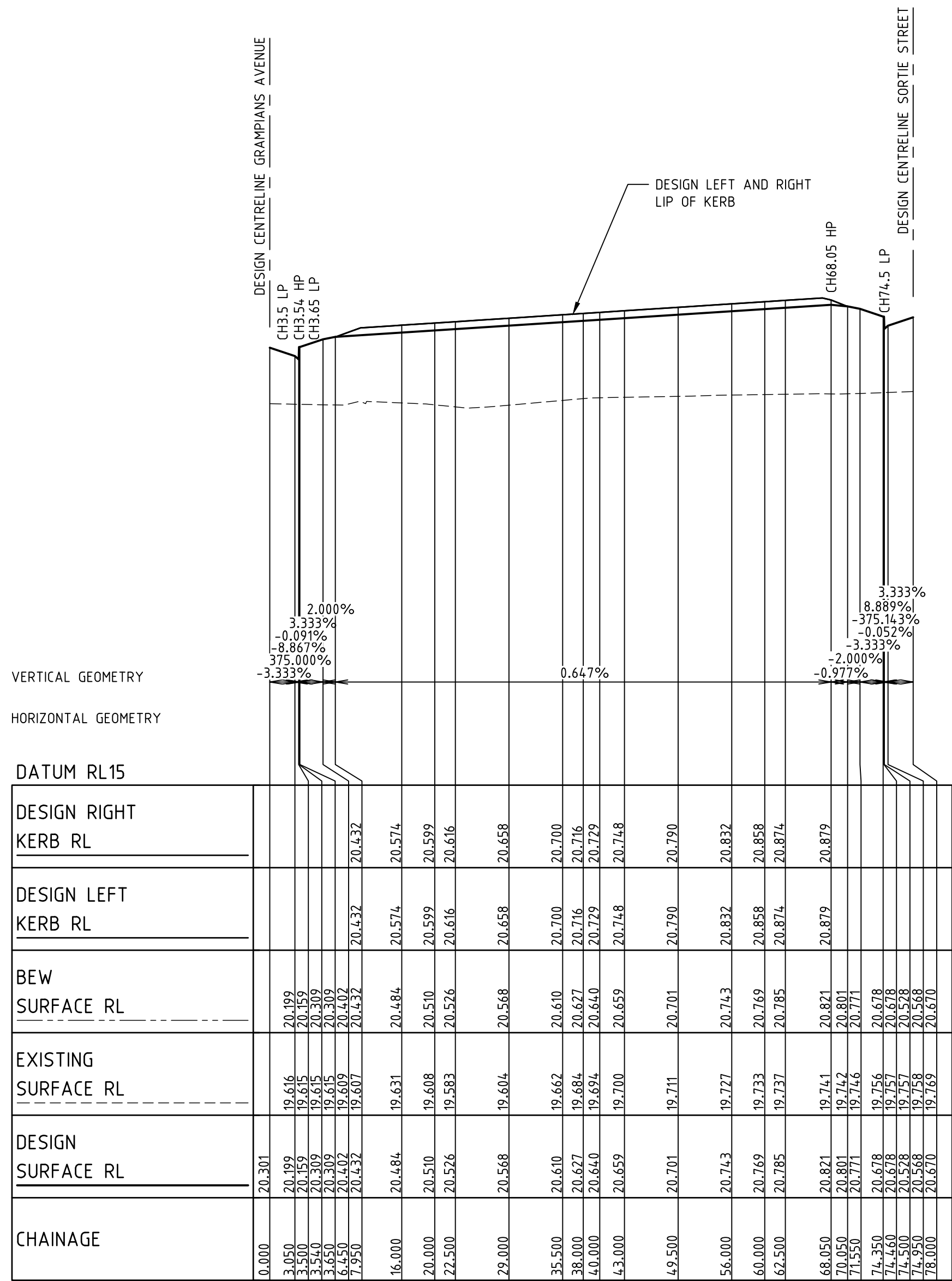
AS CONSTRUCTED

NOTE: BULK EARTHWORKS (BEW)
FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK
EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR
TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)

NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL



LONGITUDINAL SECTION HANGAR STREET DESIGN LINE



LONGITUDINAL SECTION MOROTAI LANE DESIGN LINE

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- FIN. SUR. (FUTURE STG.)
- FIN. SUR. (PREVIOUS STG.)
- BEW SURFACE
- LEFT LIP OF KERB
- RIGHT LIP OF KERB

Coords: MGA Levels: AHD



H 0m 5m 10m 20m 30m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:500/1000 V1:50/100

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
ROAD LONGITUDINAL SECTIONS
SHEET 03 OF 04
Drawing No. 10940LS03
Sheet No. 16 of 41

Rev AC1



AS CONSTRUCTED

NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL



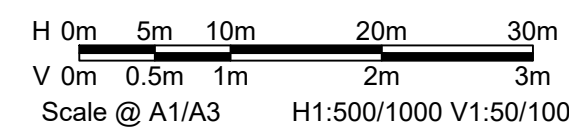
Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

- - - - - EXISTING SURFACE
 _____ FINISHED SURFACE
 _____ FIN. SUR. (FUTURE STG.)
 _____ FIN. SUR. (PREVIOUS STG.)
 - - - - - BEW SURFACE
 _____ LEFT LIP OF KERB
 _____ RIGHT LIP OF KERB

 **BEFORE
YOU DIG**
www.byda.com.au

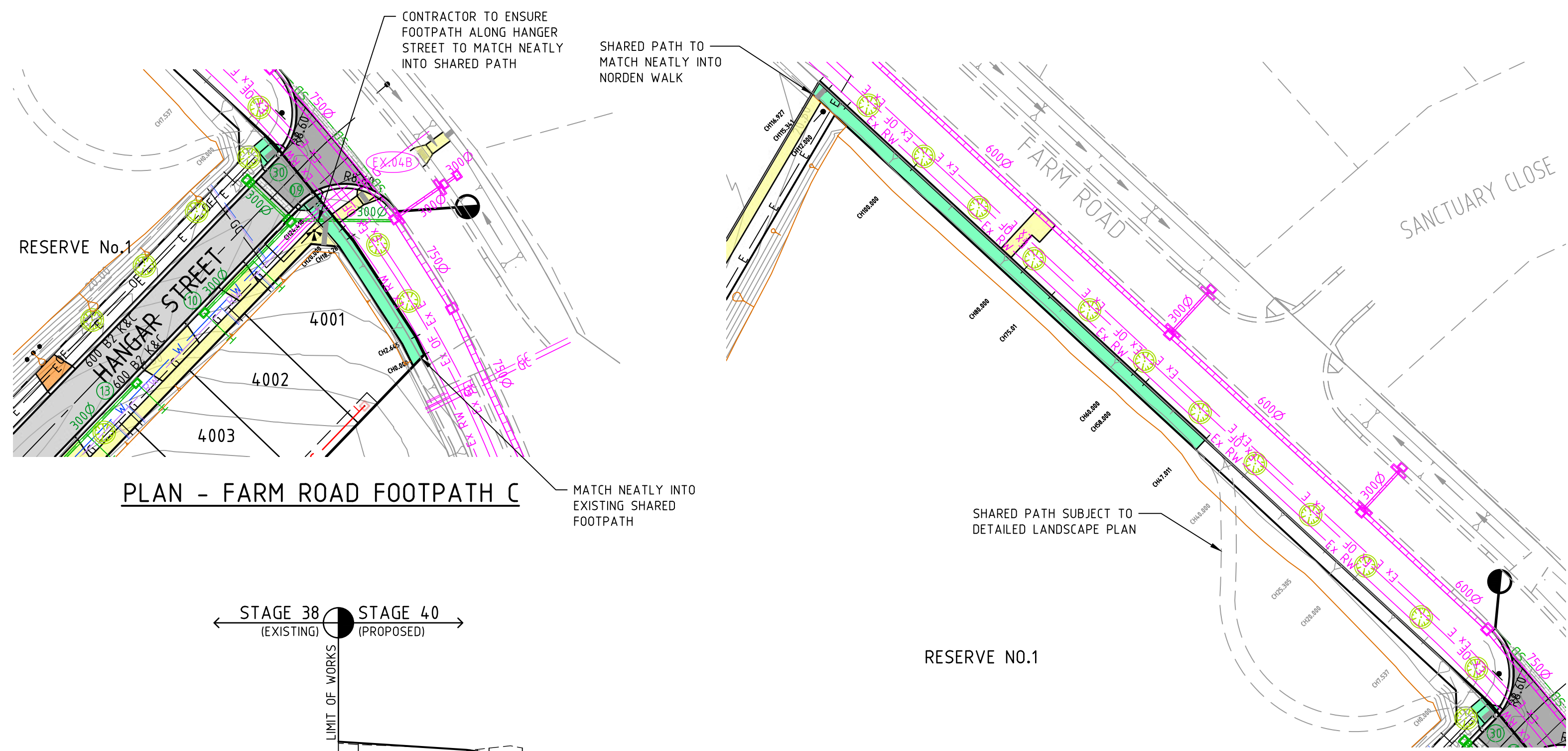


Rev AC1



AS CONSTRUCTED

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.



PLAN - FARM ROAD FOOTPATH C

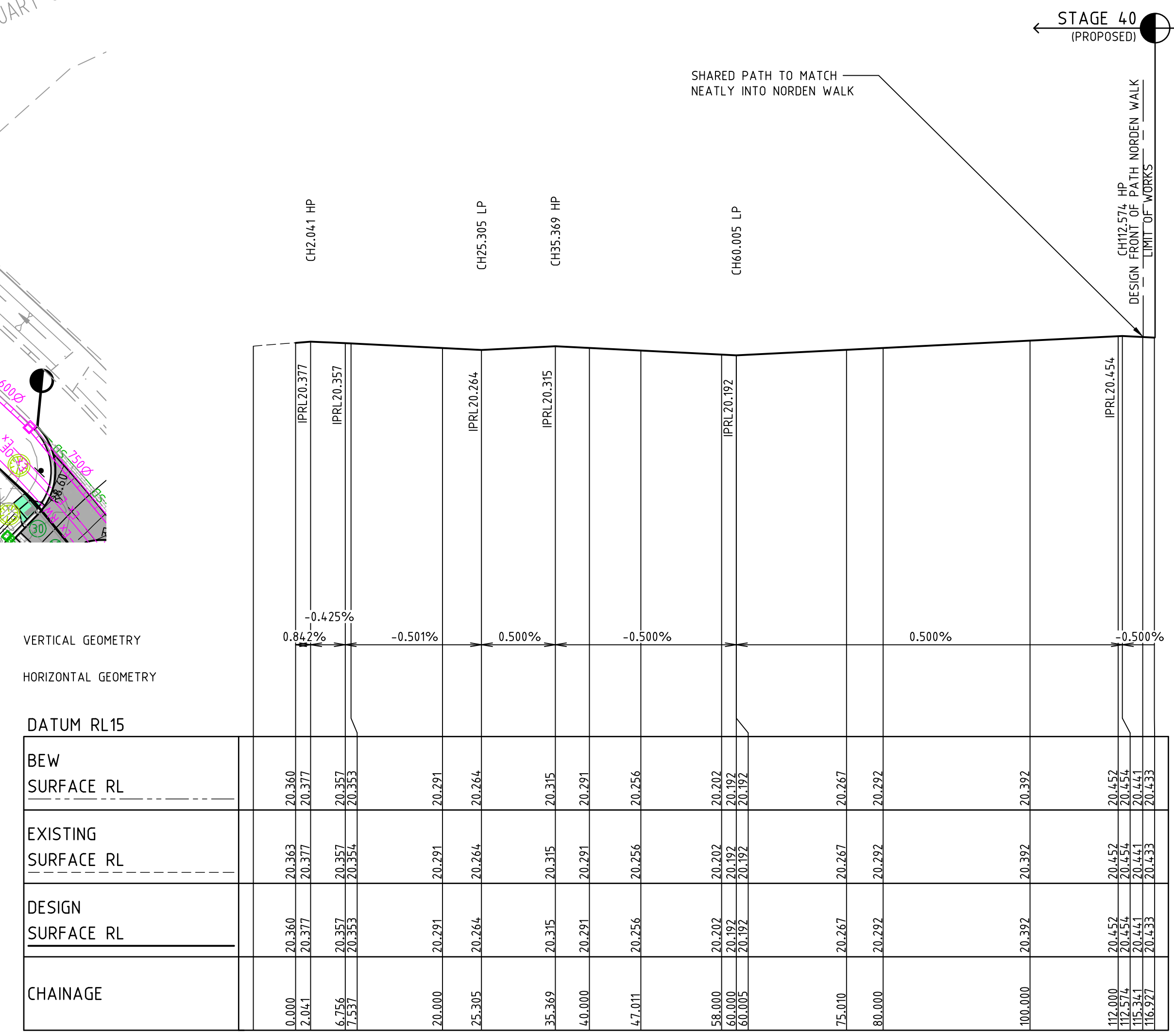
PLAN - FARM ROAD FOOTPATH E

STAGE 38 (EXISTING)		STAGE 40 (PROPOSED)	
LIMIT OF WORKS		LIMIT OF WORKS	
VERTICAL GEOMETRY		-0.640%	
HORIZONTAL GEOMETRY		-1.502%	
DATUM RL15			
BEW SURFACE RL	20.342 20.325	20.232 20.232 20.232 20.238 20.255 20.188	20.122 20.122 20.122 20.122 20.122 20.122
EXISTING SURFACE RL	20.302	20.232 20.238 20.258 20.288 20.300	20.257
DESIGN SURFACE RL	20.342 20.325	20.232 20.232 20.232 20.238 20.255 20.188	20.122 20.122 20.122 20.122 20.122 20.122
CHAINAGE	0.000 2.645	17.072 18.428 19.784 21.140 22.496 23.852	24.418

LONGITUDINAL SECTION FARM ROAD FOOTPATH C FRONT OF SHARED PATH DESIGN LINE

HORIZONTAL ALIGNMENT REPORT FOR FARM ROAD FOOTPATH C FRONT OF SHARED PATH

POINT TYPE	CHAINAGE	X	COORDINATES Y	Z	BEARING DEG MIN SEC	RADIUS
INTERSECTION POINT	0.000	293281.811	5801625.771	20.342	333°43'53.47"	
CURVE-TANGENT	2.645	293280.641	5801628.142	20.325	327°00'53.47"	
VC INTERSECTION POINT	17.072	293272.786	5801640.244	20.232	327°00'53.47"	
CURVE-TANGENT	18.428	293272.048	5801641.382	20.245	313°54'30.51"	
STRAIGHT	20.000	293270.916	5801642.472	20.259	313°54'30.51"	
VC INTERSECTION POINT	22.915	293268.816	5801644.493	20.286	313°54'30.51"	
INTERSECTION POINT	24.418	293267.733	5801645.535	20.122	313°54'30.51"	



LONGITUDINAL SECTION FARM ROAD FOOTPATH E FRONT OF SHARED PATH DESIGN LINE

HORIZONTAL ALIGNMENT REPORT FOR FARM ROAD FOOTPATH E FRONT OF SHARED PATH

POINT TYPE	CHAINAGE	X	COORDINATES Y	Z	BEARING DEG MIN SEC	RADIUS
STRAIGHT	0.000	293258.535	5801657.110	20.360	312°46'53.00"	
VC INTERSECTION POINT	2.041	293257.037	5801658.497	20.377	312°46'53.00"	
VC INTERSECTION POINT	6.756	293253.577	5801661.699	20.357	312°46'53.00"	
STRAIGHT	20.000	293243.856	5801670.695	20.291	312°46'53.00"	
VC INTERSECTION POINT	25.305	293239.962	5801674.298	20.264	312°46'53.00"	
VC INTERSECTION POINT	35.369	293232.576	5801681.133	20.315	312°46'53.00"	
STRAIGHT	40.000	293229.177	5801684.279	20.291	312°46'53.00"	
STRAIGHT	60.000	293214.498	5801697.863	20.192	312°46'53.00"	
VC INTERSECTION POINT	60.005	293214.494	5801697.866	20.192	312°46'53.00"	
STRAIGHT	80.000	293199.819	5801711.447	20.292	312°46'53.00"	
STRAIGHT	100.000	293185.140	5801725.031	20.392	312°46'53.00"	
VC INTERSECTION POINT	112.574	293175.911	5801733.571	20.454	312°46'53.00"	
INTERSECTION POINT	116.927	293172.716	5801736.528	20.433	312°46'53.00"	

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821
© Dalton Consulting Engineers Pty Ltd

LEGEND

- EX W EX. WATER MAIN
- EX G EX. GAS MAIN
- EX E EX. ELECTRICAL CABLE
- EX S EX. SEWER MAIN & MH
- EX T EX. COMM. CABLE & PIT
- EX D EX. DRAIN & PIT
- SIGNAGE
- PSM | TBM
- ELECTRICITY
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- DW/NDW/GAS CONDUITS
- SERVICE TO BE ABANDONED
- LIMIT OF WORKS
- SEWER MAIN & MANHOLE
- SW DRAIN & PIT
- HOUSE DRN | PROP. INLET
- BATTER
- FINISHED SURFACE LEVEL
- EX. SURFACE LEVEL
- TOP OF BATTER LEVEL
- REGRADE LOT (MIN 1:50)
- EX. TREE TO REMAIN
- EX. TREE TO BE REMOVED
- PREVIOUSLY REMOVED TREE
- FILLING OVER 300mm
- ASPHALT PAVEMENT
- CONCRETE PATH | D'WAY
- CONCRETE PARKING BAY
- TURN AREA

Coords: MGA Levels: AHD

BEFORE YOU DIG
www.bvda.com.au

DEVELOPMENT VICTORIA

H 0m 5m 10m 20m 30m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:500/1000 V1:50/100

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
FOOTPATH DETAIL
SHEET 01 OF 02
Drawing No. 10940FD01
Sheet No. 18 of 41

Rev AC1

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
melbourne wurundjeri
geelong wadawurrung
brisbane turrbal
dceng.com.au

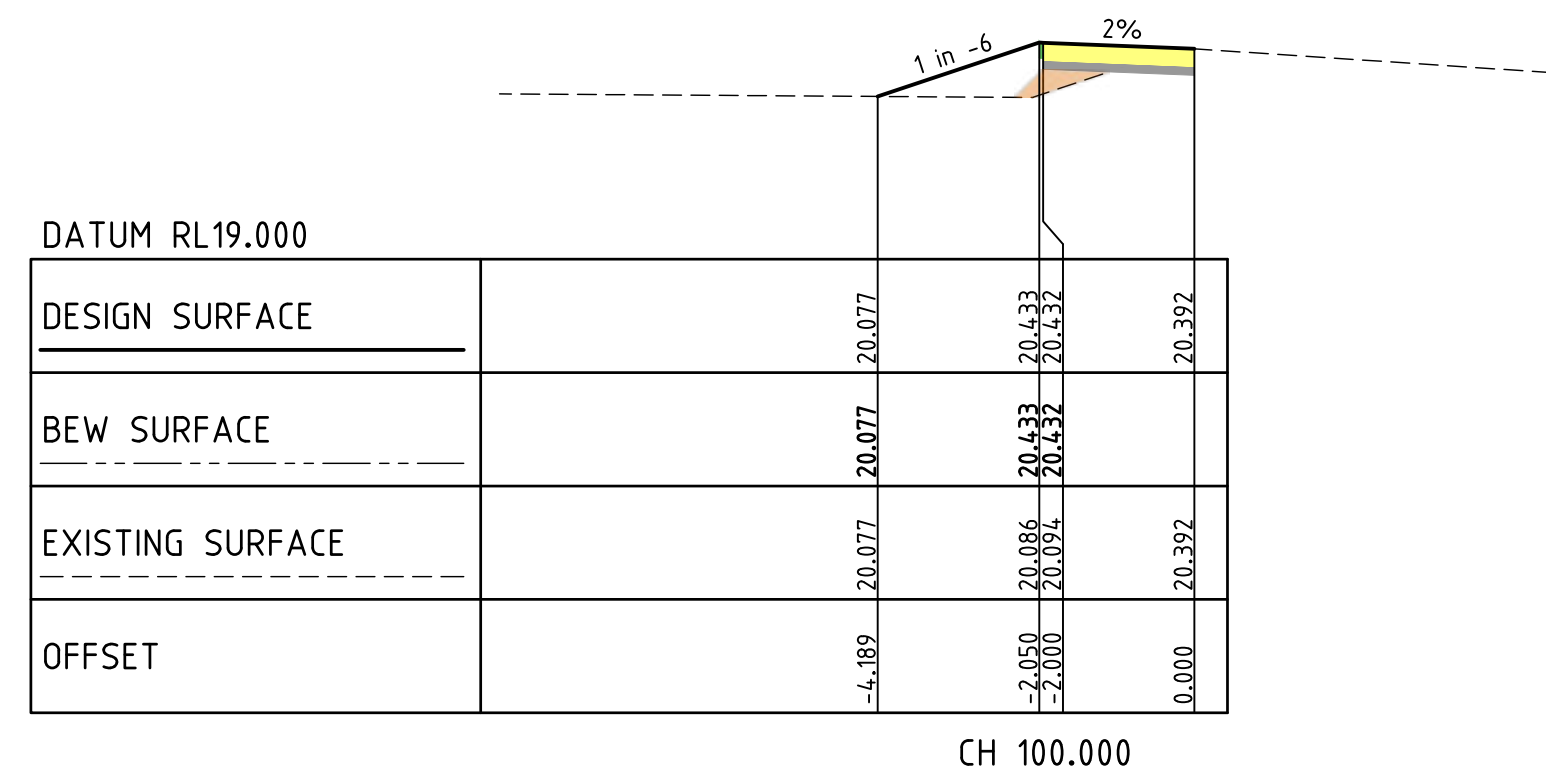
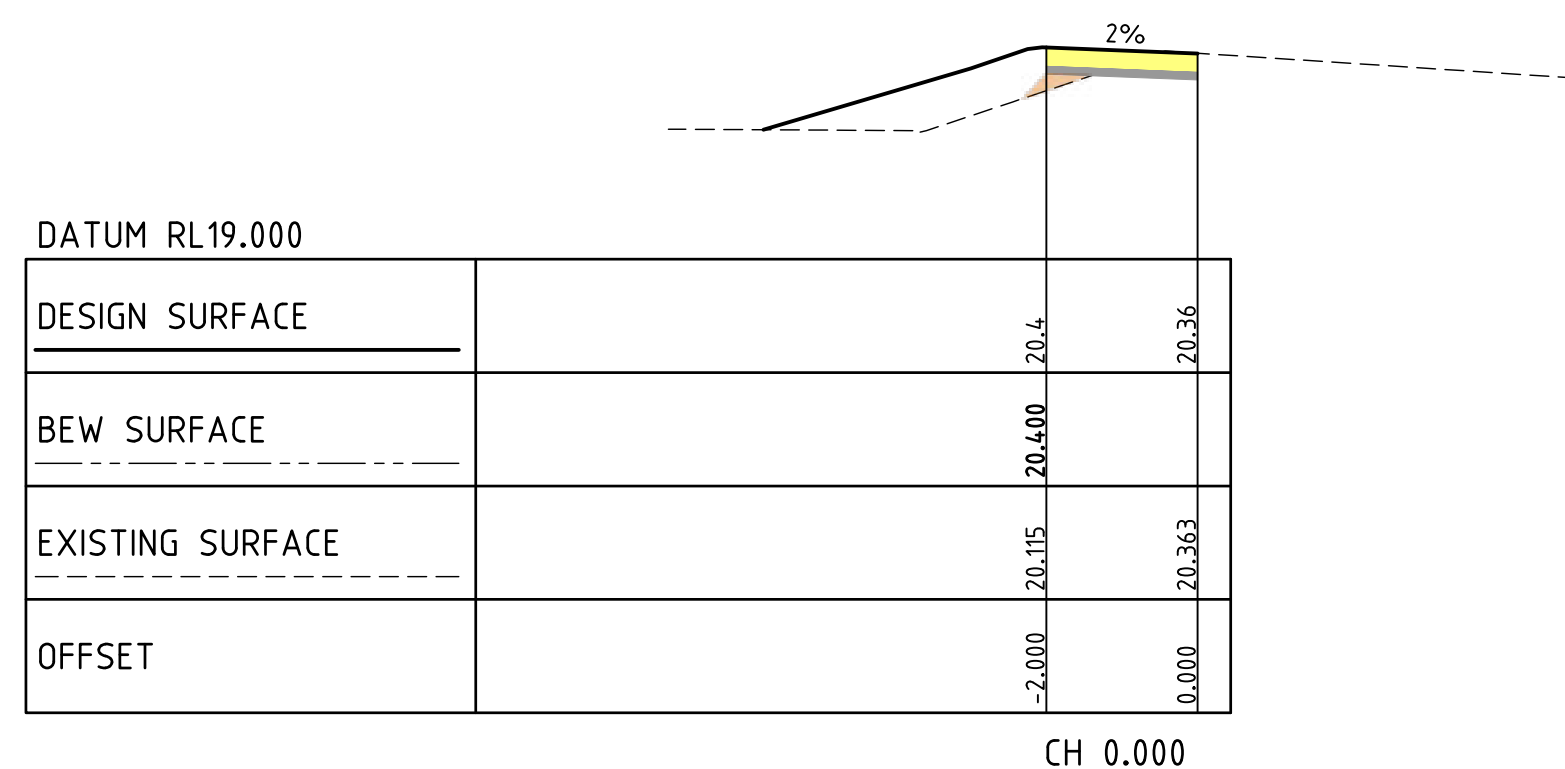
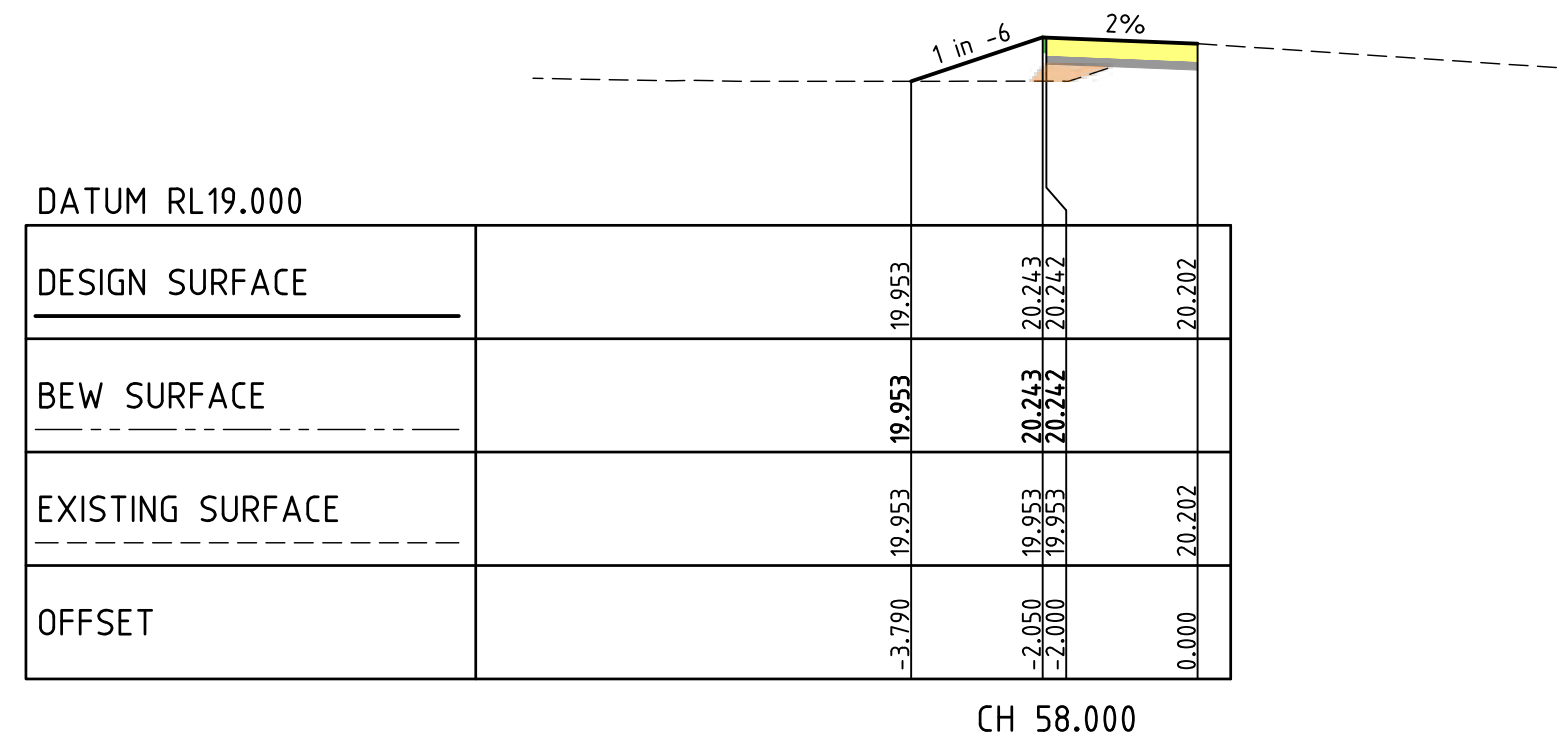
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

AS CONSTRUCTED

TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER AS3798-2007

FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL

FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK
EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR
TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)




CROSS SECTIONS

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

LEGEND

 STRUCTURAL FILL
 - - - - - EXISTING SURFACE
 ————— FINISHED SURFACE
 — — — — — BEW SURFACE

**BEFORE
YOU DIG**
www.bvda.com.au



H 0m 5m 10m 20m 30m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:500/1000 V1:50/10

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
FOOTPATH DETAIL
SHEET 02 OF 02
Drawing No. 10940FD02
Sheet No. 19 of 41



melbourne wurundjeri T +61 3 9813 7400
geelong wadawurrung T +61 3 5246 1700
brisbane turrbal T +61 7 3374 9000
dceng.com.au E info@dceng.com.au

AS CONSTRUCTED

Rev AC1

CONCRETE NOTES:

- 1.0 GENERAL
- 1.2 ENGINEERING DRAWINGS MUST NOT BE SCALED
- 1.3 CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS.
- 1.4 ANY DISCREPANCIES MUST BE REFERRED TO THE ENGINEER IMMEDIATELY TO ENSURE CORRECT RECTIFICATION BEFORE PRECEEDING WITH THE WORK.
- 1.5 ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH APPROPRIATE SAA CODES, VICTORIAN BUILDING REGULATIONS, AND BUILDING CODE OF AUSTRALIA.
- 1.6 ALL REFERENCES TO SAA CODES, VBR'S AND BCA SHALL INCLUDE ALL AMENDMENTS.
- 1.7 SUBSTITUTION SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.

2.0 EXCAVATION AND FOUNDATIONS

- 2.1 THE SITE IS TO BE WELL DRAINED BEFORE, DURING AND AFTER CONCRETE POURS.
- 2.2 THE SITE IS TO BE EXCAVATED TO A FIRM LEVEL BASE FREE FROM ANY ORGANIC MATERIAL.

3.0 CONCRETE

- 3.1 ALL CONCRETE SHALL BE IN ACCORDANCE WITH AS 3600. CONCRETE COMPRESSION STRENGTH SHALL BE: 32MPa AT 28 DAYS FOR PAVEMENT OR AS NOTED ON DRAWINGS
- 3.2 ADDITIVES MUST NOT BE USED IN THE CONCRETE WITHOUT THE ENGINEER'S PRIOR WRITTEN APPROVAL.
- 3.3 WHEELBARROW RUNS IF USED MUST BE SUPPORTED DIRECTLY FROM THE FORMWORK - AND NOT FROM REINFORCEMENT
- 3.4 MECHANICALLY VIBRATE CONCRETE DURING THE CONCRETE POUR.
- 3.5 CONCRETE SURFACES MUST BE ADEQUATELY CURED FOR MINIMUM SEVEN DAYS.
- 3.6 CONCRETE SIZES AS DRAWN ARE MINIMUM, AND DO NOT INCLUDE APPLIED FINISHES.
- 3.7 UNSPECIFIED CONSTRUCTION JOINTS MUST NOT BE MADE WITHOUT THE ENGINEER'S PRIOR WRITTEN APPROVAL.

4.0 REINFORCEMENT

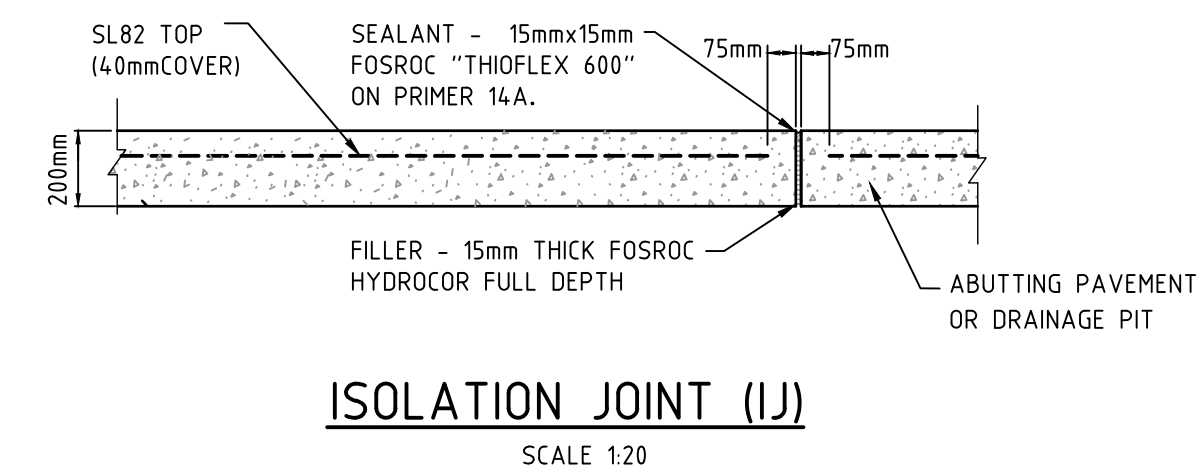
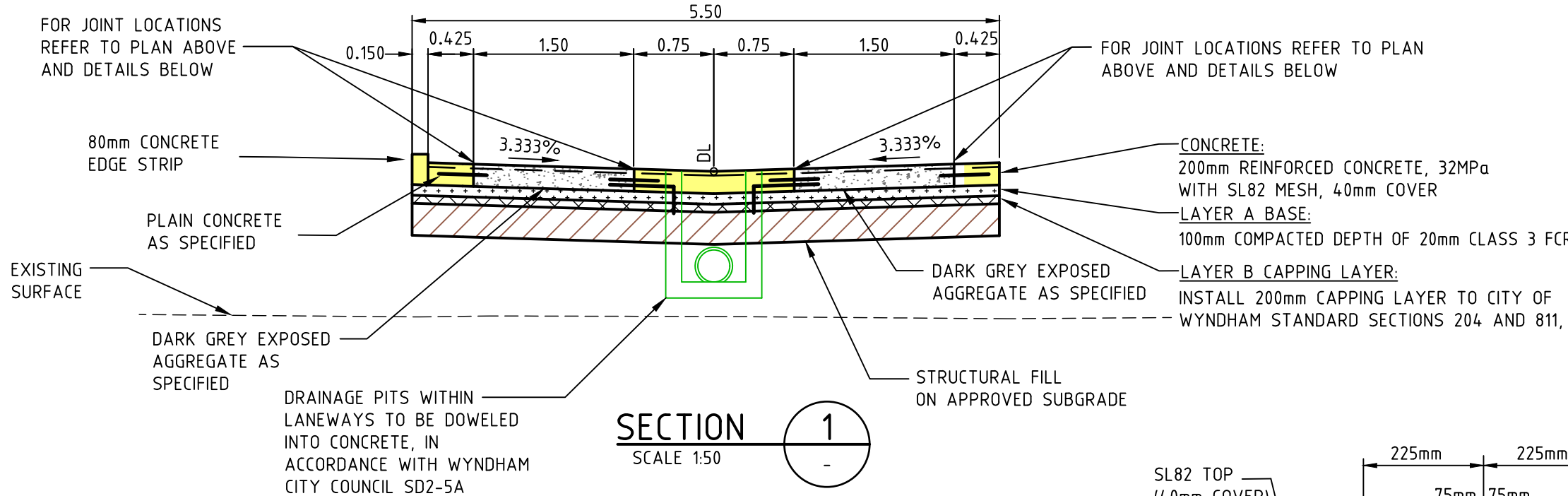
- 4.1 SYMBOLS ON DRAWINGS FOR GRADE AND TYPE OF REINFORCEMENT ARE AS FOLLOWS:-
- N DENOTES DUCTILITY CLASS "NORMAL" TO AS/NZS 4671:2001
 - L DENOTES DUCTILITY CLASS "LOW" TO AS/NZS 4671:2001.
 - R DENOTES STRUCTURAL GRADE PLAIN "ROUND" BARS TO AS/NZS 4671:2001.
 - D DENOTES STRUCTURAL GRADE PLAIN "DEFORMED RIBBED" BARS TO AS/NZS 4671:2001.
 - RL DENOTES "RECTANGULAR" MESH WITH "LOW" DUCTILITY TO AS/NZS 4671:2001.
 - SL DENOTES "SQUARE" MESH WITH "LOW" DUCTILITY TO AS/NZS 4671:2001.
 - LTM DENOTES "TRENCH" MESH WITH "LOW" DUCTILITY TO AS/NZS 4671:2001.
- 4.2 REINFORCEMENT IS REPRESENTED DIAGRAMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
- 4.3 CLEAR COVER NOTED ON DRAWING(S) IS IN ACCORDANCE WITH AS3600 AND SHOULD NOT BE VARIED.
- 4.4 LAPS IN REINFORCEMENT SHOULD COMPLY WITH AS3600.
- 4.5 FIELD WELDING OF REINFORCEMENT IS ONLY PERMITTED WITH THE ENGINEER'S WRITTEN APPROVAL.
- 4.6 ALL REINFORCEMENT IS TO BE ACCURATELY PLACED, TIED AND SUPPORTED IN POSITION BY BAR CHAIRS AT 750mm CENTRES WHERE APPROPRIATE AND ADEQUATELY IN OTHER MEMBERS.

5.0 FORMWORK

- 5.1 ALL FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS1509.
- 5.2 RETAIN ALL FORMWORK IN POSITION FOR AT LEAST SEVEN (7) DAYS.

CONCRETE JOINTING LEGEND

- TCJ/EJ TRANSVERSE CONTRACTION & EXPANSION JOINT
- I ISOLATION JOINT
- CC CRACK CONTROL JOINT

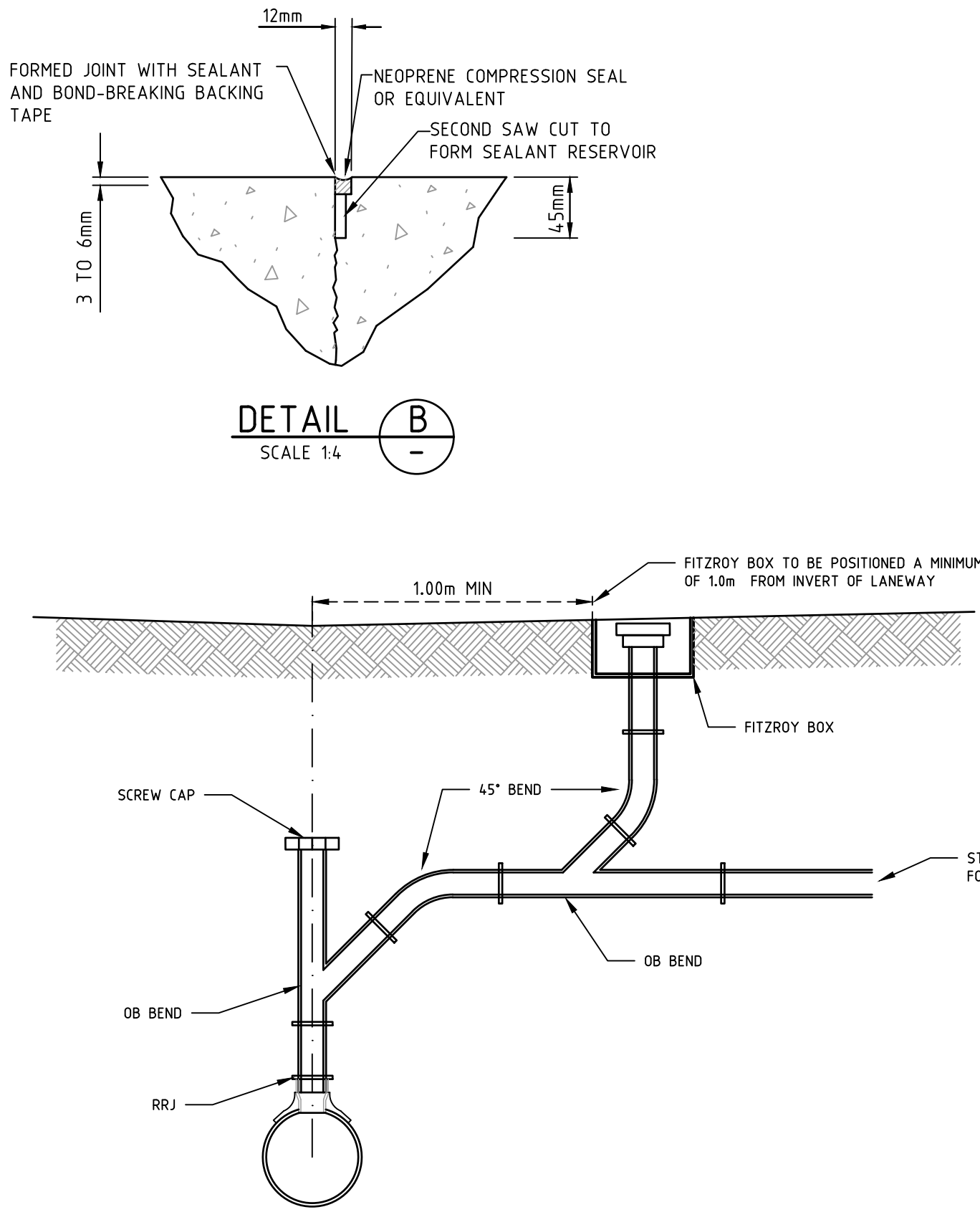


ISOLATION JOINT (IJ)

SCALE 1:20

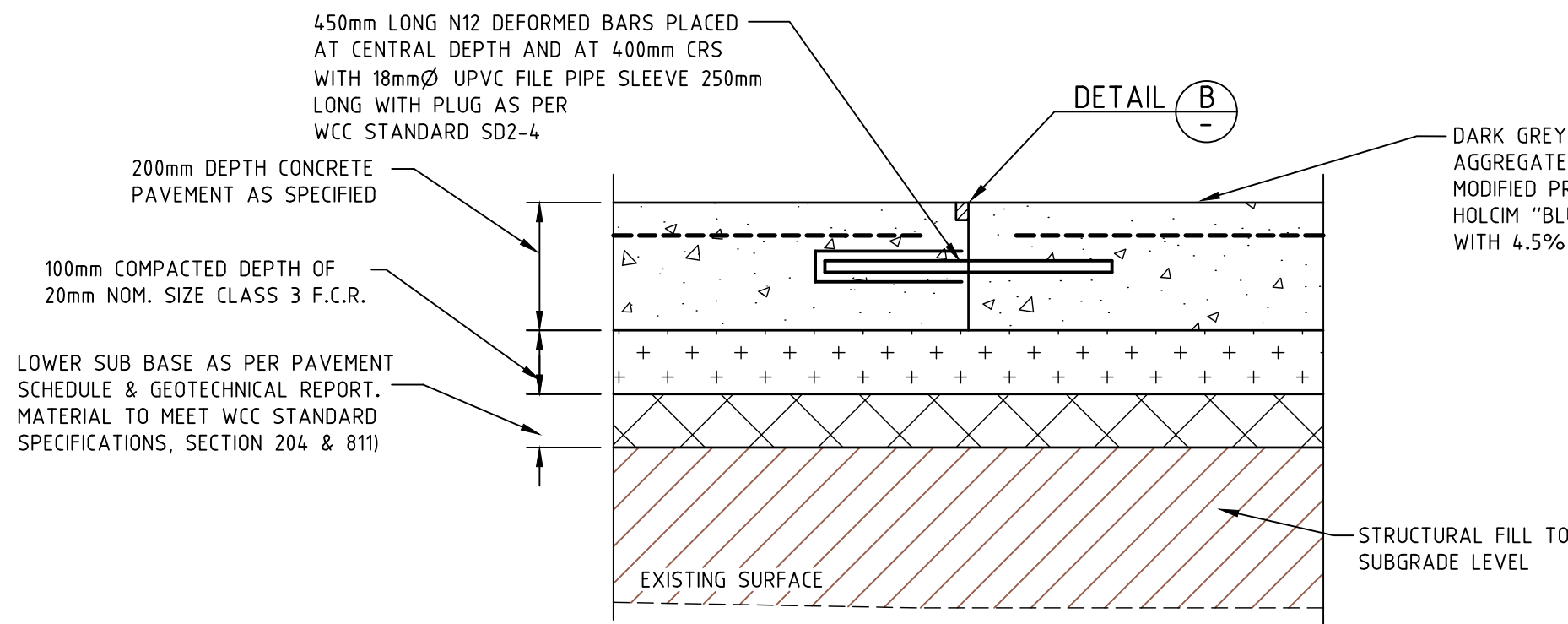
TRANSVERSE CONTRACTION JOINT (TCJ)

SCALE 1:10



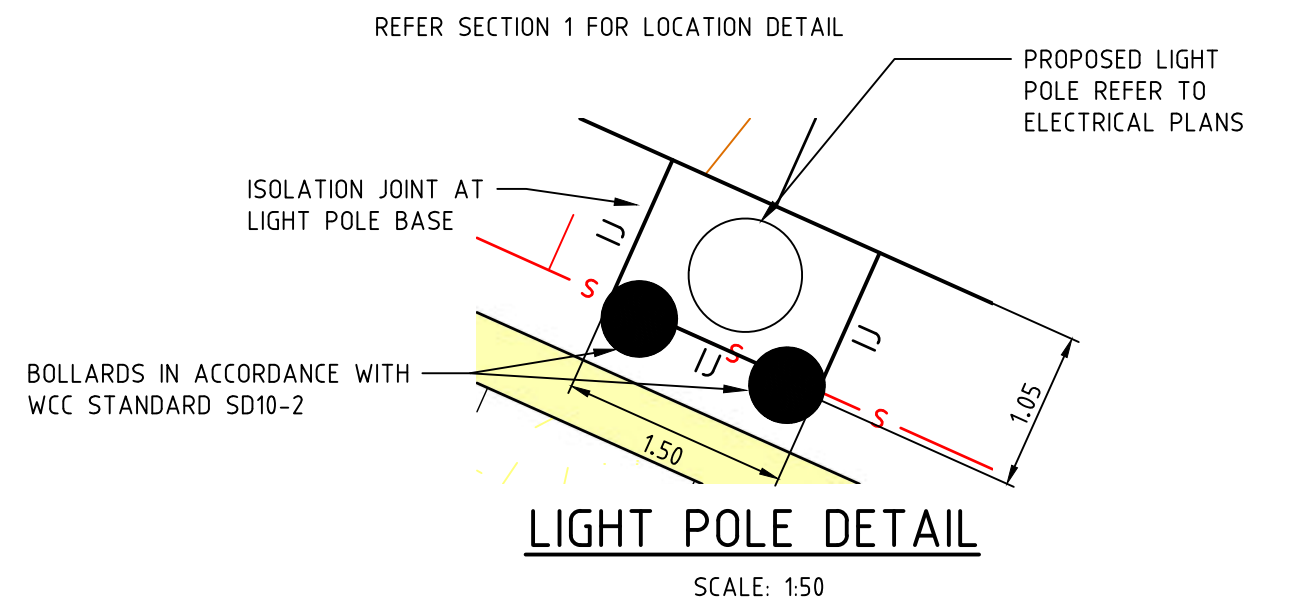
HOUSE DRAIN & FITZROY BOX TYPICAL DETAIL FOR CONNECTIONS UNDER PAVEMENT

(AS SHOWN)



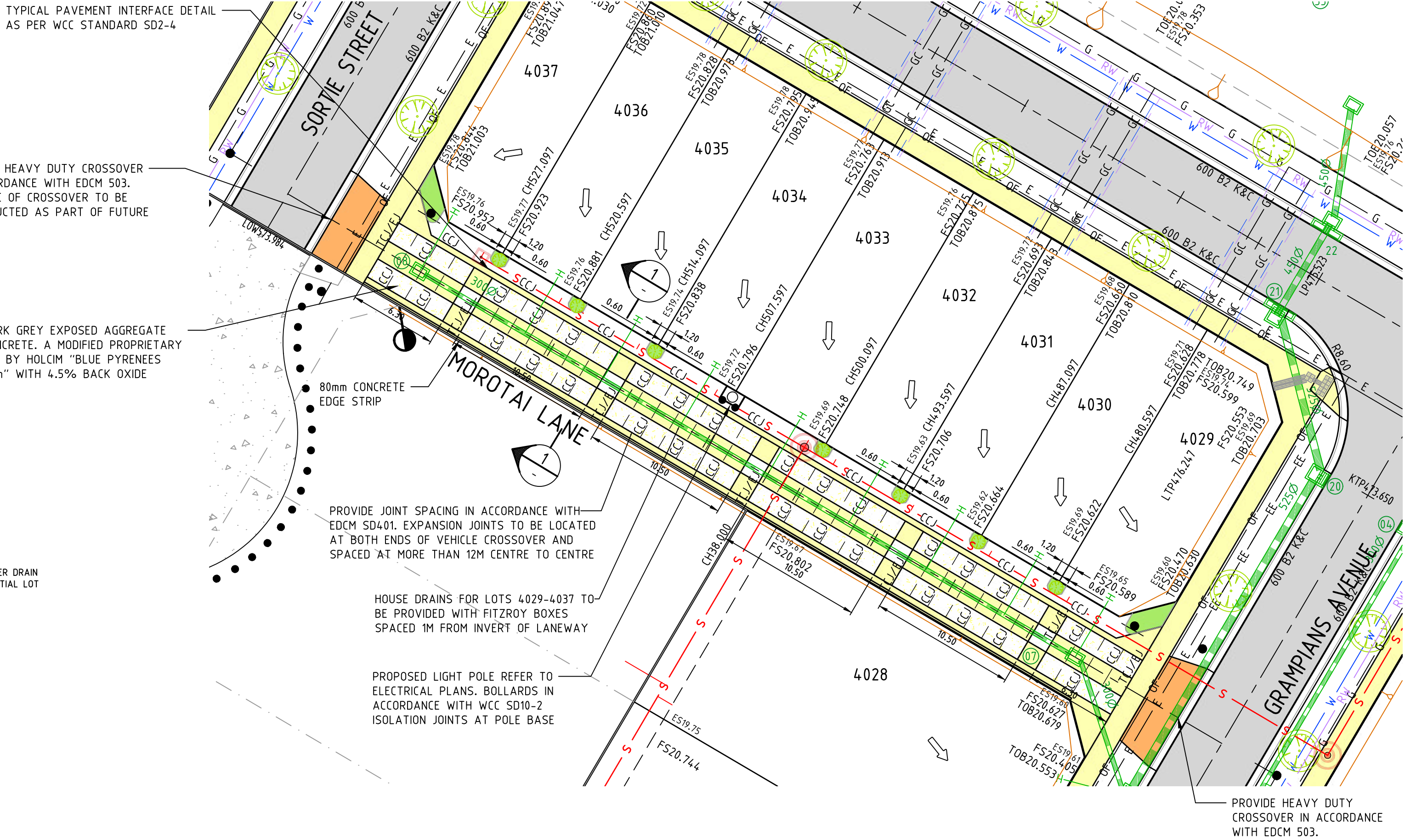
TYPICAL: CONCRETE PAVEMENT INTERFACE DETAIL (APPLICABLE TO ALL CONCRETE THRESHOLD TREATMENTS)

SCALE 1:10



LIGHT POLE DETAIL

SCALE 1:50



BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS.
TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

NOTE: EXISTING SURFACE LEVELS
ALL EXISTING SURFACE LEVELS SHOWN ON THIS PLAN ARE PRIOR TO THE COMMENCEMENT OF PERMIT 11 BULK EARTHWORKS (DCE JOB NUMBER 10870).

REV	DESCRIPTION	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL

Drawn Date AN 14/09/22 3401095	Designed Date AN 13/09/22 3791018	Checked Date AN 21/09/22 2951057	Reg. Eng. Date AN 02/02/23 PE0000821
R.GUTIERREZ	P.NICHOLSON	S.RAJKOVIC	T.LIAKOPOULOS

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

LEGEND	LEGEND	LEGEND
SEWER MAIN & MANHOLE	ELECTRICITY	MAJOR FS CONTOUR
SW DRAIN & PIT	TELECOMMUNICATIONS	MINOR FS CONTOUR
HOUSE DRN & PROP. INLET	GAS	CROWN LINES
FINISHED SURFACE LEVEL	WATER	OPEN EARTH DRAIN
EX. SURFACE LEVEL	RECYCLED WATER	EX. TREE TO REMAIN
TOP OF BATTER LEVEL	DW/NDW/GAS CONDUITS	EX. TREE TO BE REMOVED
SIGNAGE	EX. DRAIN & PIT	PREVIOUSLY REMOVED TREE
LIP PROFILE SETOUT	EX. SEWER MAIN & MH	SERVICE TO BE ABANDONED

LEGEND	LEGEND	LEGEND
MAJOR FS CONTOUR	FINISHED SURFACE	FILLING OVER 200mm
MINOR FS CONTOUR	EXISTING SURFACE	ASPHALT PAVEMENT
CROWN LINES	TURN AREA	CONCRETE PATH & D'WAY
OPEN EARTH DRAIN	CONCRETE PARKING BAY	LANDSCAPING (BY OTHERS)
EX. TREE TO REMAIN		
EX. TREE TO BE REMOVED		
PREVIOUSLY REMOVED TREE		
SERVICE TO BE ABANDONED		



Coords: MGA Levels: AHD

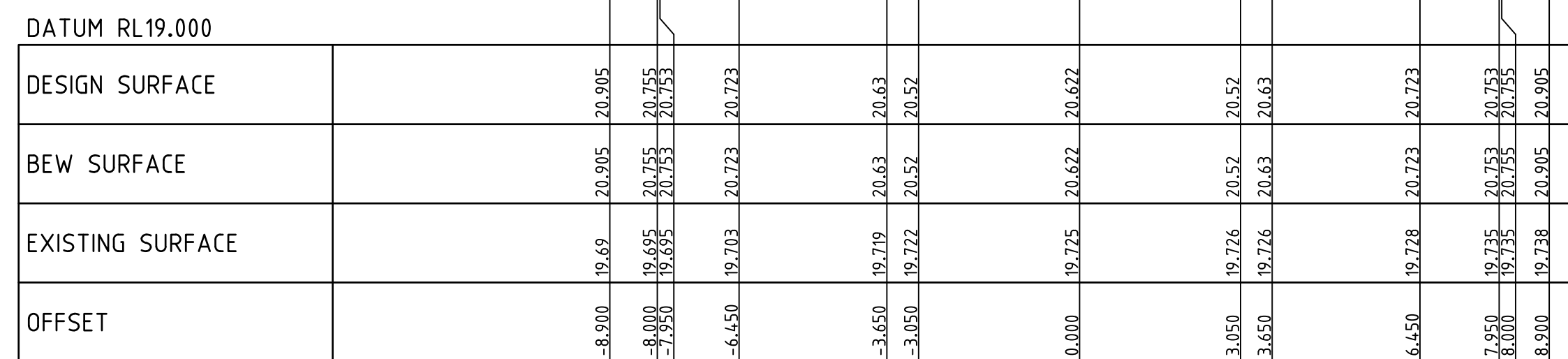


RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
LANEWAY CONCRETE PAVEMENT
DETAILS
Drawing No. 10940LD01
Sheet No. 20 of 41

Rev AC1



AS CONSTRUCTED

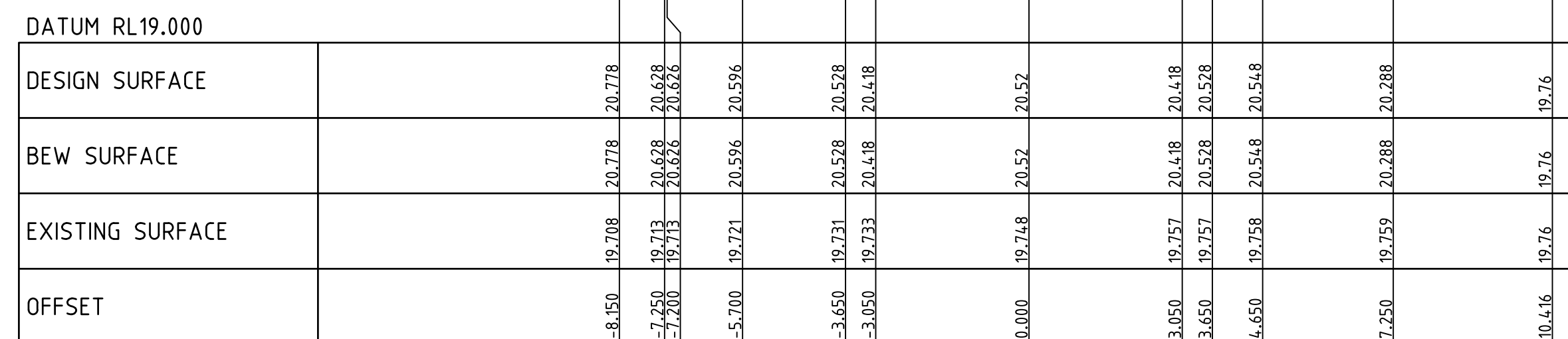


DATUM RL19.000					
DESIGN SURFACE		-8.900	19.523	20.835	20.835
		-8.000	19.517	20.685	20.685
		-7.950	19.517	20.683	20.683
		-6.450	19.513	20.653	20.653
		-3.650	19.514	20.56	20.56
		-3.950	19.514	20.45	20.45
		-0.000	19.514	20.552	20.552
		-3.050	19.513	20.45	20.45
		-3.650	19.519	20.56	20.56
		-6.450	19.578	20.653	20.653
		-7.950	19.593	20.683	20.683
		-8.000	19.593	20.685	20.685
		-8.900	19.602	20.835	20.835

The diagram illustrates a cross-section of a road drainage system. The road surface is shown with a 1 in 6 slope on the left and a 2% slope on the right. Below the surface is a 3.33% slope, followed by a -3.33% slope, and then a -3.33% slope. The layers are color-coded: orange for the base, red for the sub-base, grey for the drainage layer, and yellow for the filter layer. The diagram also shows a 1 in 6 slope on the far right and a 2% slope on the far left.

DATUM RL18.000				
DESIGN SURFACE			20.776	20.776
BEW SURFACE			20.776	20.776
EXISTING SURFACE			19.394	19.394
OFFSET			-8.900	-8.900
			20.626	20.626
			20.626	20.626
			20.594	20.594
			20.501	20.501
			20.391	20.391
			20.493	20.493
			20.391	20.391
			20.501	20.501
			20.594	20.594
			20.626	20.626
			20.776	20.776

NOTE: BULK EARTHWORKS (BEW)
FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK
EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR
TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)



The diagram illustrates a cross-section of a road profile with the following features from left to right:

- A sloped approach on the left with a grade of **1 in 6**.
- A raised section (likely a drainage ditch or kerb) with a top width of **2m** and a base width of **3.33m**. The slope on the right side of this section is **3.33%**.
- A central road section with a width of **3.33m** and a grade of **-3.33%**.
- A sloped approach on the right with a grade of **-10%**.
- A final sloped section on the far right with a grade of **1 in -6**.

The diagram uses color coding to represent different materials or layers: orange for the raised section, grey for the road surface, and red for the subgrade or drainage area.

[illegible][illegible]

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APPD

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

	ASPHALT
	BASE
	SUBBASE
	CAPPING/CONSTRUCTION LAYER
	AG DRAIN
	CONCRETE
	TOPSOIL & SEED
	STRUCTURAL FILL

- - - - - EXISTING SURFACE
 _____ FINISHED SURFACE
 — — — — — BEW SURFACE

Coords: MGA Levels: AHD



DEVELOPMENT
VICTORIA

H 0m 1m 2m 4m 6m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:100/200 V1:50/100

RIVERWALK

STAGE 40

GEELONG ROAD, WERRIBEE

WYNDHAM CITY COUNCIL

CROSS SECTIONS

SHEET 01 OF 10
Drawing No. 10940XS01
Sheet No. 21 of 41

Rev AC1



**DALTON
CONSULTING
ENGINEERS**
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

AS CONSTRUCTED

NOTE: TYPE A STRUCTURAL FILL
TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER A53798-2007

[illegible]

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9
DESIGN SURFACE	20.978	20.878	20.796	20.728	20.72	20.618	20.728	20.488	19.832
BEW SURFACE	20.978	20.878	20.796	20.728	20.72	20.618	20.728	20.488	19.832
EXISTING SURFACE	19.769	19.776	19.787	19.801	19.833	19.845	19.843	19.832	19.832
OFFSET	-8.150	-7.250	-5.700	-3.650	0.000	3.050	3.650	7.250	11.888










	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523</
--	---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-------

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

[illegible][illegible]

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

LEGEND

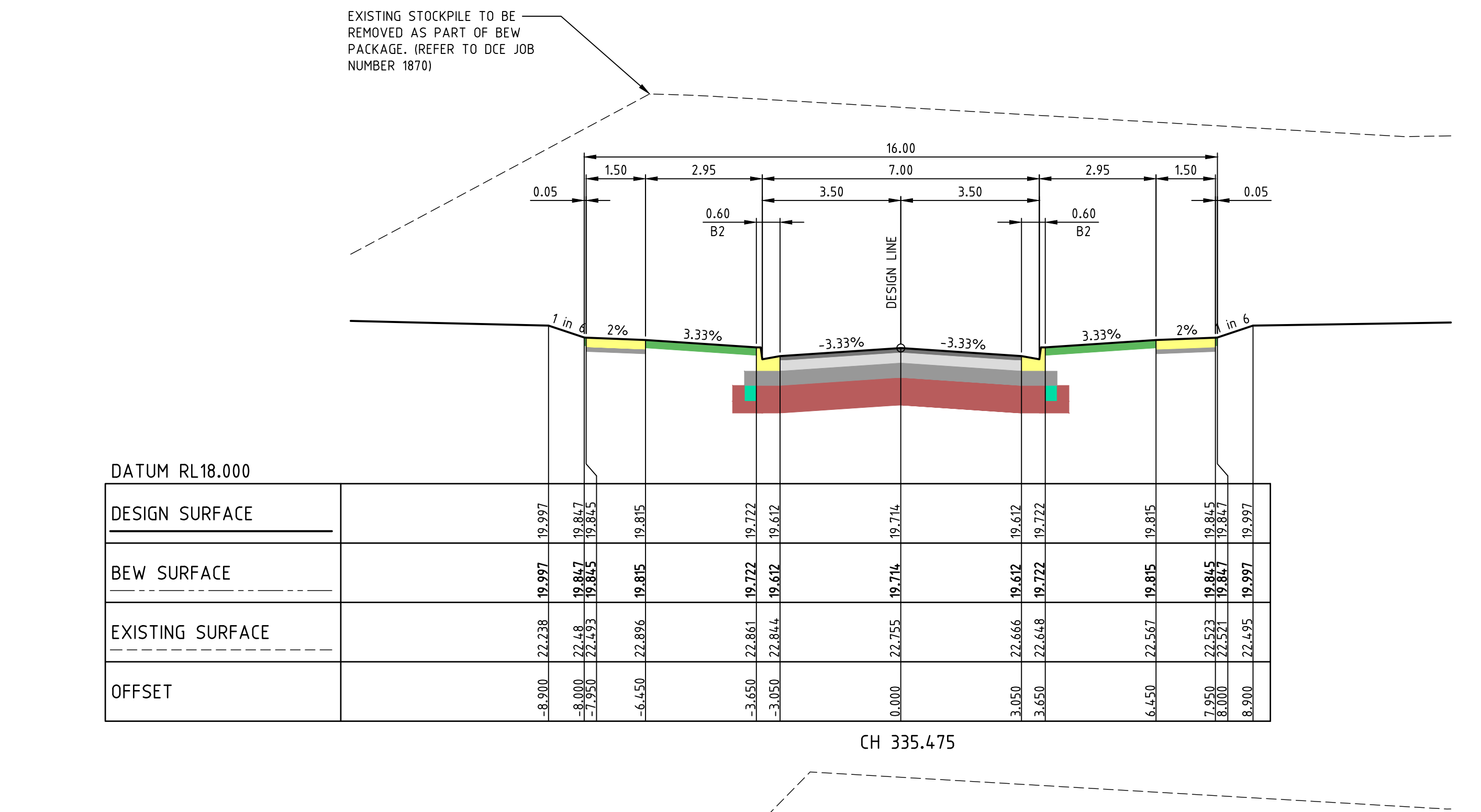
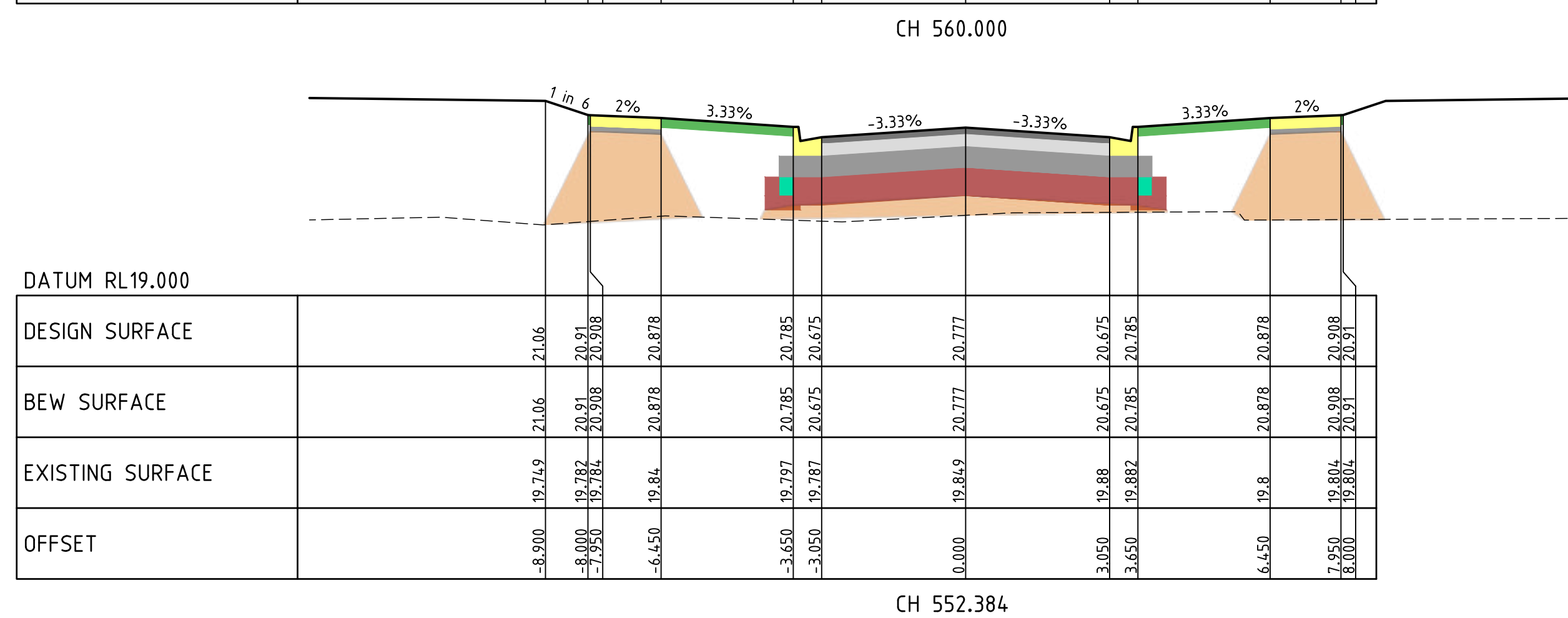
	ASPHALT		EXISTING SURFACE
	BASE		FINISHED SURFACE
	SUBBASE		BEW SURFACE
	CAPPING/CONSTRUCTION LAYER		
	AG DRAIN		
	CONCRETE		
	TOPSOIL & SEED		
	STRUCTURAL FILL		



Rev AC1














AS CONSTRUCTED



Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

LEGEND

	ASPHALT		EXISTING SURFACE
	BASE		FINISHED SURFACE
	SUBBASE		BEW SURFACE
	CAPPING/CONSTRUCTION LAYER		
	AG DRAIN		
	CONCRETE		
	TOPSOIL & SEED		
	STRUCTURAL FILL		



**DALTON
CONSULTING
ENGINEERS**
ABN 78 429 221 049

T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

melbourne wurundjeri
geelong wadawurrung
brisbane turrbal
dceng.com.au

AS CONSTRUCTED

EXISTING STOCKPILE TO BE REMOVED AS PART OF BEW PACKAGE, (REFER TO DCE JOB NUMBER 1870)

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9	Station 10
DESIGN SURFACE	20.104	19.954	19.829	19.821	19.829	19.954	20.104			
BEW SURFACE	20.104	19.954	19.829	19.821	19.829	19.954	20.104			
EXISTING SURFACE	22.651	22.668	22.751	22.64	22.59	22.594	22.594	22.594	22.594	22.594
OFFSET	-8.900	-7.950	-3.650	-3.050	-3.650	-7.950	-8.900			

EXISTING STOCKPILE TO BE REMOVED AS PART OF BEW PACKAGE. (REFER TO DCE JOB NUMBER 1870)

CH 356.961

DATUM RL18.000

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9	Station 10
DESIGN SURFACE		20.059	19.908	19.908		19.674	19.674	19.674	19.674	20.059
BEW SURFACE		20.059	19.908	19.908		19.674	19.674	19.674	19.674	20.059
EXISTING SURFACE		22.676	22.657	22.656		22.611	22.55	22.475	22.46	22.371
OFFSET		-8.900	-8.000	-7.950		-3.650	-3.050	0.000	3.050	3.650

CH 347.975

[illegible]

The diagram shows a cross-section of a road profile. The top part is a graph with a horizontal axis for stationing and a vertical axis for elevation. A dashed line represents the existing ground surface, and a solid line represents the proposed design surface. The design surface is a parabolic curve with a central dip. The BEW (Base Elevation Width) surface is shown as a dashed line below the design surface. The existing surface is shown as a solid line below the BEW surface. The profile is divided into sections with different grades: 1 in 6, 2%, 3.33%, -3.33%, 0% (center), -3.33%, 3.33%, 2%, and 1 in 6. The elevations are given in feet above a datum of RL18.000. The offsets are given in feet from the centerline to the edge of the road.

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9	Station 10	
DESIGN SURFACE	20.268	20.118	20.116	20.086	19.993	19.883	19.985	19.883	19.993	20.086	20.268
BEW SURFACE	20.268	20.118	20.116	20.086	19.993	19.883	19.985	19.883	19.993	20.086	20.268
EXISTING SURFACE	23.243	22.713	22.715	22.581	22.45	22.472	22.279	22.144	22.123	22.157	22.248
OFFSET	-8.900	-7.950	-7.950	-6.450	-3.650	-3.050	0.000	3.050	3.650	6.450	8.900

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

Coords: MGA Levels: AHD

 **BEFORE
YOU DIG**
www.byda.com.au



**DALTON
CONSULTING
ENGINEERS**
ABN 78 429 321 049

T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

melbourne **wurundjeri**
geelong **wadawurrung**
brisbane **turrbal**
dceng.com.au

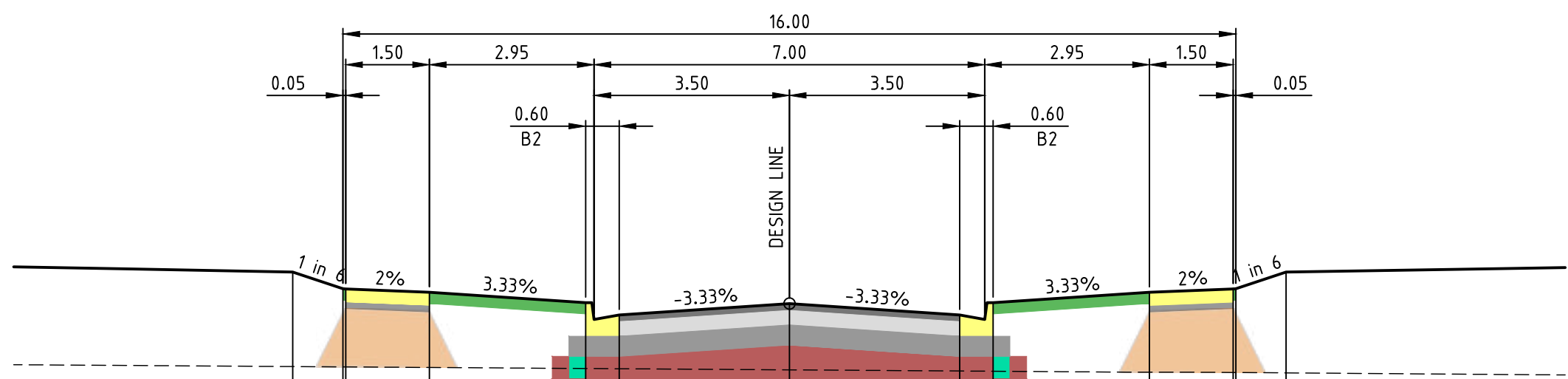
AS CONSTRUCTED

AS CONSTRUCTED

NOTE: TYPE A STRUCTURAL FILL
TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER AS3798-2007

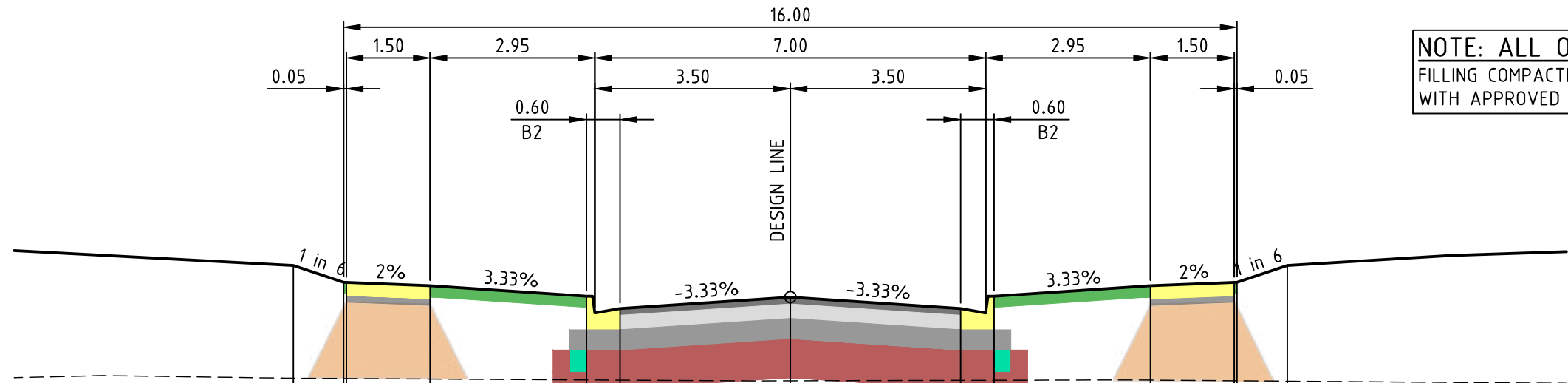
NOTE: BULK EARTHWORKS (BEW)
FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT REFERENCE NUMBER 10870)

NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS WITH APPROVED FILL MATERIAL



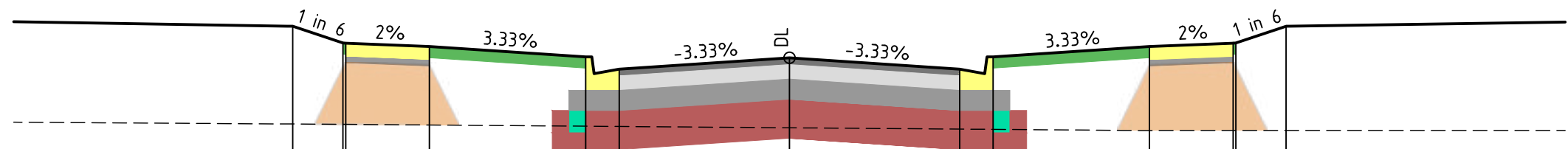
DATUM RL18.000				
DESIGN SURFACE				
BEW SURFACE				
EXISTING SURFACE				
OFFSET				

CH 434.050



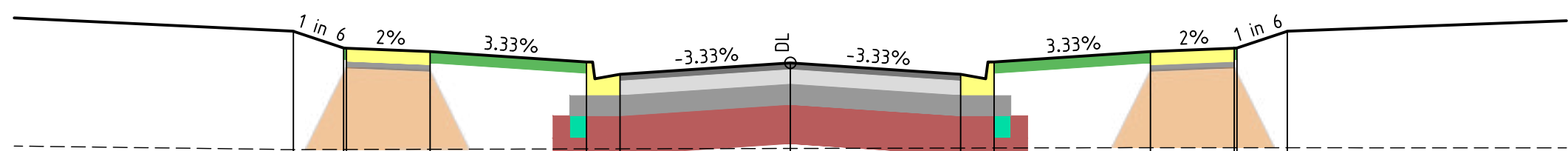
DATUM RL19.000				
DESIGN SURFACE				
BEW SURFACE				
EXISTING SURFACE				
OFFSET				

CH 473.650



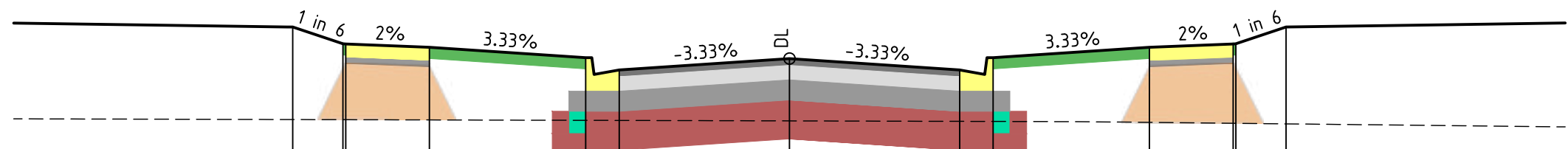
DATUM RL18.000				
DESIGN SURFACE				
BEW SURFACE				
EXISTING SURFACE				
OFFSET				

CH 420.050



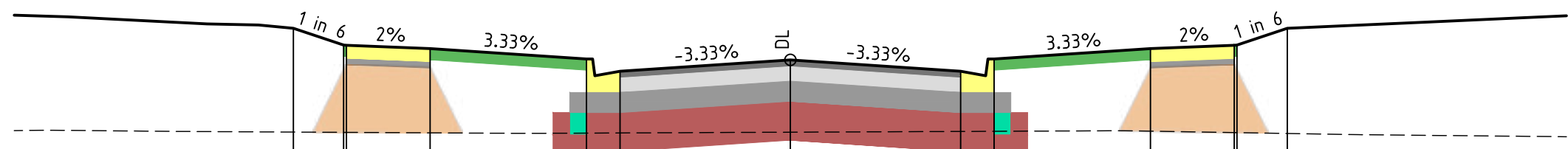
DATUM RL19.000				
DESIGN SURFACE				
BEW SURFACE				
EXISTING SURFACE				
OFFSET				

CH 465.000



DATUM RL18.000				
DESIGN SURFACE				
BEW SURFACE				
EXISTING SURFACE				
OFFSET				

CH 406.050



DATUM RL18.000				
DESIGN SURFACE				
BEW SURFACE				
EXISTING SURFACE				
OFFSET				

CH 446.050

GRAMPIANS AVENUE

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

LEGEND	
ASPHALT	---
BASE	---
SUBBASE	---
CAPPING/CONSTRUCTION LAYER	---
AG DRAIN	---
CONCRETE	---
TOPSOIL & SEED	---
STRUCTURAL FILL	---

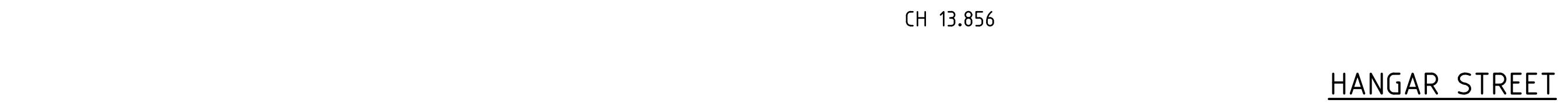
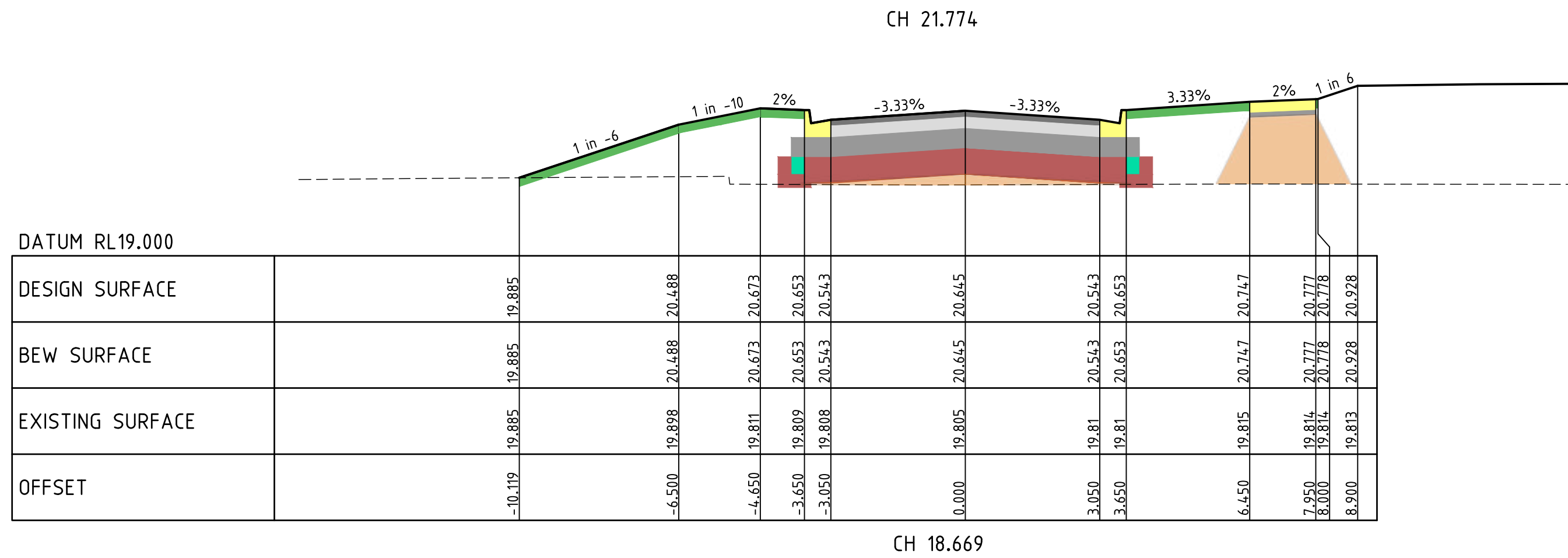
Coords: MGA Levels: AHD



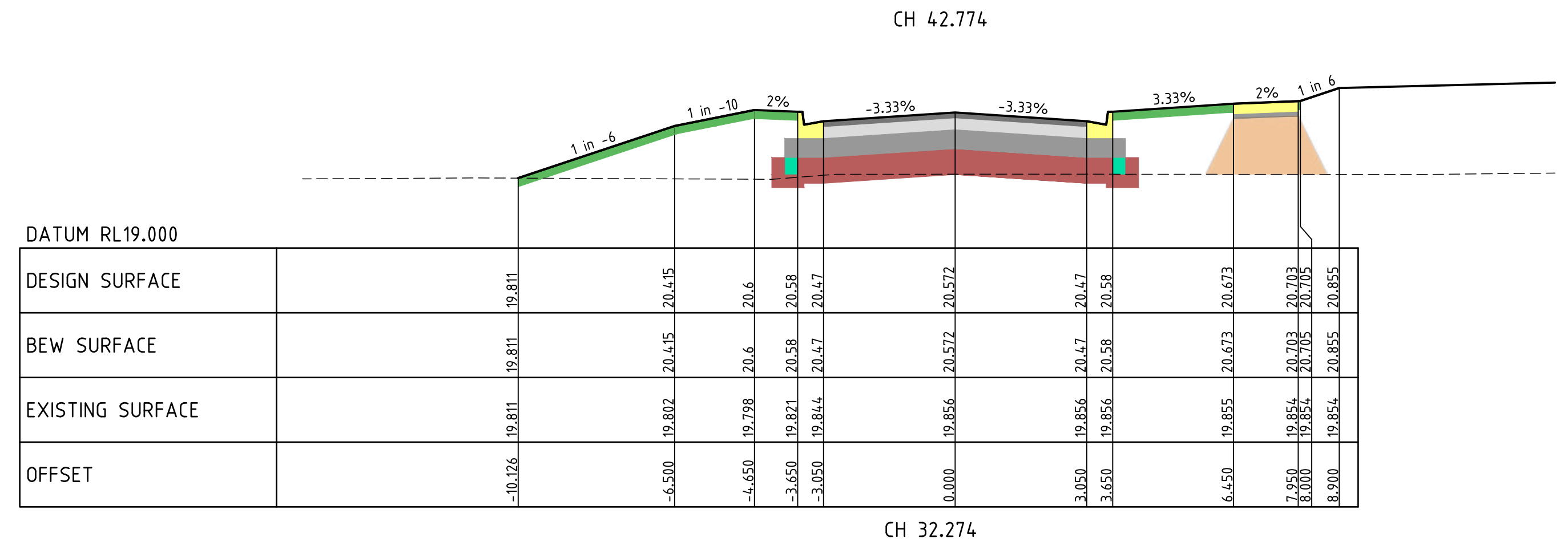
RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
CROSS SECTIONS
SHEET 05 OF 10
Drawing No. 10940XS05
Sheet No. 25 of 41

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

AS CONSTRUCTED



HANGAR STREET



NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

LEGEND

	ASPHALT		EXISTING SURFACE
	BASE		FINISHED SURFACE
	SUBBASE		BREW SURFACE
	CAPPING/CONSTRUCTION LAYER		
	AG DRAIN		
	CONCRETE		
	TOPSOIL & SEED		
	STRUCTURAL FILL		

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd



Coords: MGA Levels: AHD



H 0m 1m 2m 4m 6m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:100/200 V1:50/100



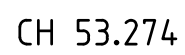
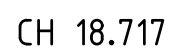
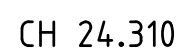
Rev AC1

AS CONSTRUCTED

TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER AS3798-2007

FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK
EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR
TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)










FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL



Drawn R.GUTIERREZ
11/09/22

[illegible][illegible]

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

	ASPHALT		EXISTING SURFACE
	BASE		FINISHED SURFACE
	SUBBASE		BFW SURFACE
	CAPING/CONSTRUCTION LAYER		
	AG DRAIN		
	CONCRETE		
	TOPSOIL & SEED		
	STRUCTURAL FILL		

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd



RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
CROSS SECTIONS
SHEET 07 OF 10
Drawing No. 10940XS07
Sheet No. 27 of 41

Rev AC1

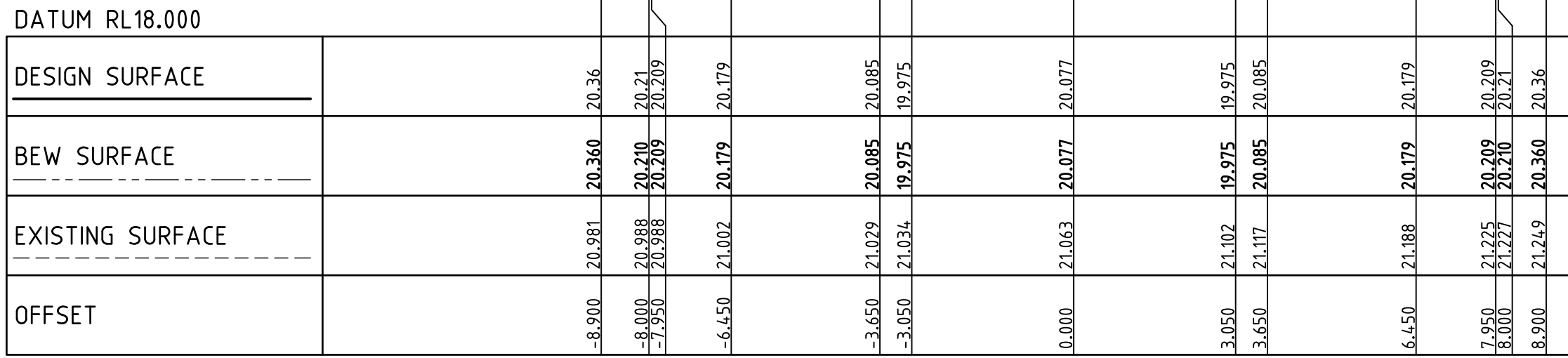
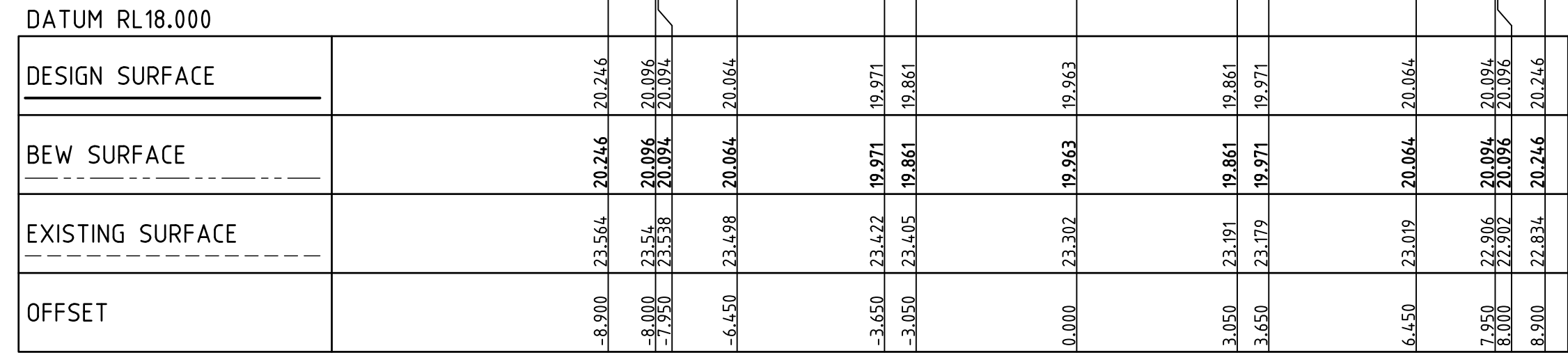
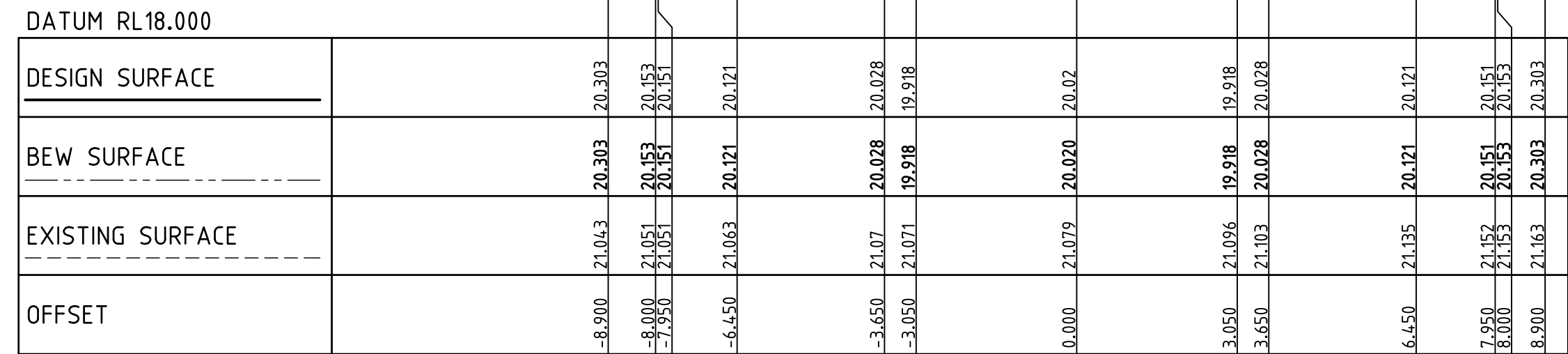


AS CONSTRUCTED

TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER AS3798-2007

FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK
EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR
TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)

FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL











SIDING STREET

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

LEGEND

	ASPHALT
	BASE
	SUBBASE
	CAPPING/CONSTRUCTION LAYER
	AG DRAIN
	CONCRETE
	TOPSOIL & SEED
	STRUCTURAL FILL

- - - - - EXISTING SURFACE
 _____ FINISHED SURFACE
 — — — — — BEW SURFACE



 **BEFORE
YOU DIG**
www.byda.com.au

H 0m 1m 2m 4m 6m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:100/200 V1:50/100

RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
CROSS SECTIONS
SHEET 08 OF 10
Drawing No. 10940XS08
Sheet No. 28 of 41



AS CONSTRUCTED

Rev AC1

NOTE: TYPE A STRUCTURAL FILL
TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER AS3798-2007

Diagram illustrating a cross-section of a road with a 7.00m width and a 3.33% crown slope. The diagram shows the design surface, bed of wheel (BEW) surface, and existing ground surface. A 1 in 6 slope is indicated on the sides.

	Offset	Design Surface	BEW Surface	Existing Surface
	0.00	20.568	20.568	19.604
	2.675	20.658	20.658	19.672
	4.175	20.706	20.706	19.635
	5.075	20.856	20.856	19.643

DESIGN SURFACE		20.895	20.659	20.718	20.796	20.946
BEW SURFACE		20.895	20.659	20.718	20.796	20.946
EXISTING SURFACE		19.682	19.7	19.716	19.775	19.773
OFFSET		3.716	0.000	2.675	4.125	5.075

DATUM RL19.000

	Left Edge	Left Wheel Track	Center Line	Right Wheel Track	Right Edge
DESIGN SURFACE	21.011	20.961	20.785	20.874	21.073
BEW SURFACE	21.011	20.961	20.785	20.874	21.073
EXISTING SURFACE	19.717	19.717	19.737	19.758	19.773
OFFSET	-3.176	-2.876	-0.000	2.615	4.125

CH 62.500

The diagram shows a cross-section of a road profile. The top line represents the existing ground surface, sloping down from left to right with a 3.33% grade. Below this, the design surface is shown as a trapezoidal shape with a central 3.33% grade and side slopes of 1 in 6. The BEW (Base of Existing Work) surface is shown below the design surface. The existing surface is shown as a dashed line. The elevations are given in feet (ft) and the offsets are given in feet (ft). The datum is RL19.000.

	Left Side	Center Line (CL)	Right Side
DESIGN SURFACE	20.752	20.526	20.616
BEW SURFACE	20.752	20.526	20.616
EXISTING SURFACE	19.556	19.583	19.607
OFFSET	1.196	0.000	1.109

DATUM RL19.000

CH 22.500

		1 in 6	3.33%	DL	3.33%	3.33%	1 in 6
DATUM RL19.000							
DESIGN SURFACE		20.852	20.852	20.627	20.716	20.764	20.914
BEW SURFACE		20.852	20.852	20.627	20.716	20.764	20.914
EXISTING SURFACE		19.671	19.668	19.684	19.7	19.709	19.714
OFFSET		-3.716	-2.846	0.000	2.675	4.195	5.025

CH 38.000

DATUM RL19.000		CH 56.000							
DESIGN SURFACE		-3.176	19.706	20.969	20.969	20.743	20.832	20.881	21.031
BEW SURFACE		-2.876	19.706	20.919	20.919	20.743	20.832	20.881	21.031
EXISTING SURFACE		-2.876	19.706	20.919	20.919	20.743	20.832	20.881	21.031
OFFSET		-2.876	19.706	20.919	20.919	20.743	20.832	20.881	21.031

		1 in 6	3.33%	DL	3.33%	3.33%	1 in 6
DATUM RL19.000							
DESIGN SURFACE		20.711	20.666	20.484	20.574	20.622	20.772
BEW SURFACE		20.710	20.660	20.484	20.574	20.622	20.772
EXISTING SURFACE		19.585	19.581	19.631	19.672	19.685	19.675
OFFSET		0.000	0.000	0.000	0.000	0.000	0.000

[illegible]









DATUM RL19.000		CH 49.500	
DESIGN SURFACE			
BEW SURFACE			
EXISTING SURFACE			
OFFSET			

							Drawn	R.GUTIERREZ
							Date	14/09/22
							AN	3401095
							Designed	P.NICHOLSON
							Date	13/09/22
							AN	3791018
							Checked	S.RAJKOVIC
							Date	21/09/22
							AN	2951057
AC1	AS CONSTRUCTED ISSUE			01/05/24	FM	TL	Reg. Eng.	T.TLIAKOPOULOS
REV	DESCRIPTION			DATE	AMEND	APP'D	Date	02/02/23
							AN	PE0000821

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

LEGEND

	ASPHALT
	BASE
	SUBBASE
	CAPPING/CONSTRUCTION LAYER
	AG DRAIN
	CONCRETE
	TOPSOIL & SEED
	STRUCTURAL FILL

- - - - - EXISTING SURFACE
 _____ FINISHED SURFACE
 - - - - - BEW SURFACE

Coords: MGA Levels: AHD



H 0m 1m 2m 4m 6m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:100/200 V1:50/100

RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
CROSS SECTIONS
SHEET 09 OF 10
Drawing No. 10940XS09
Sheet No. 29 of 41

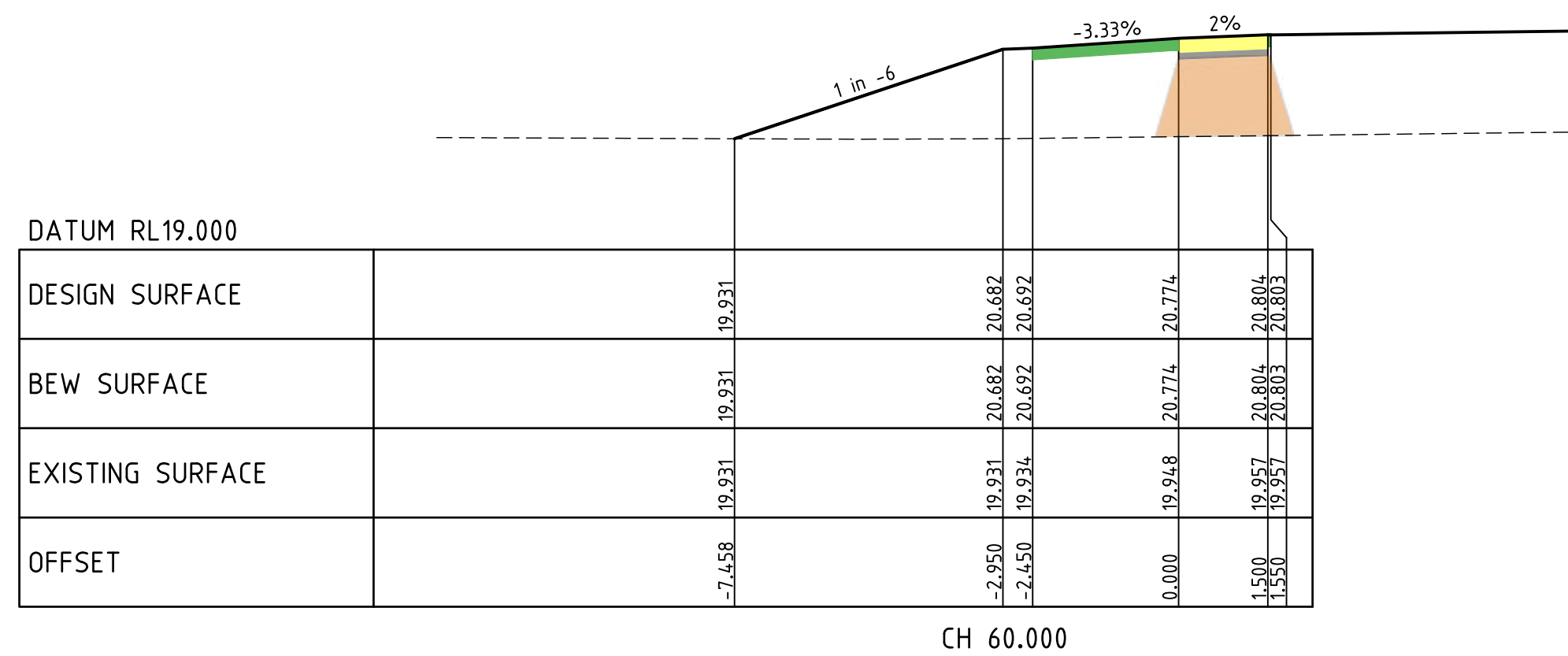
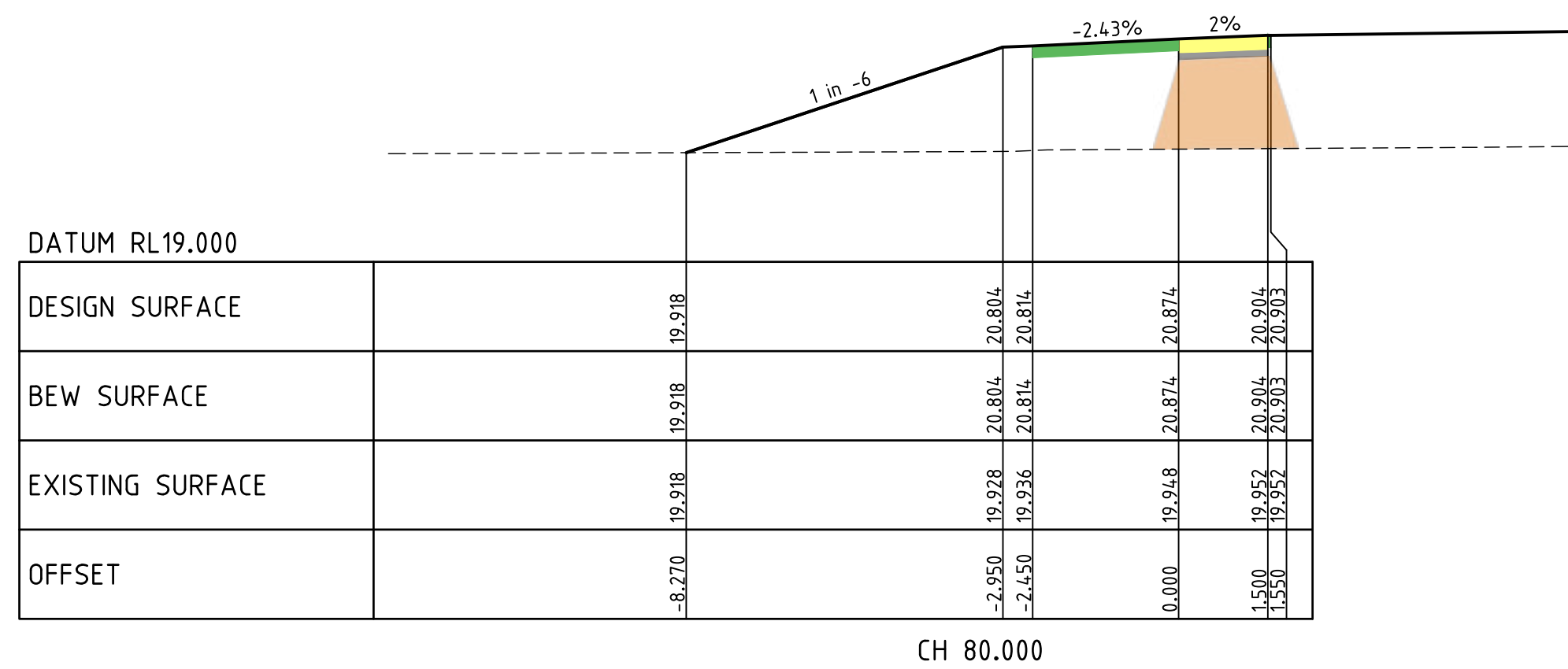
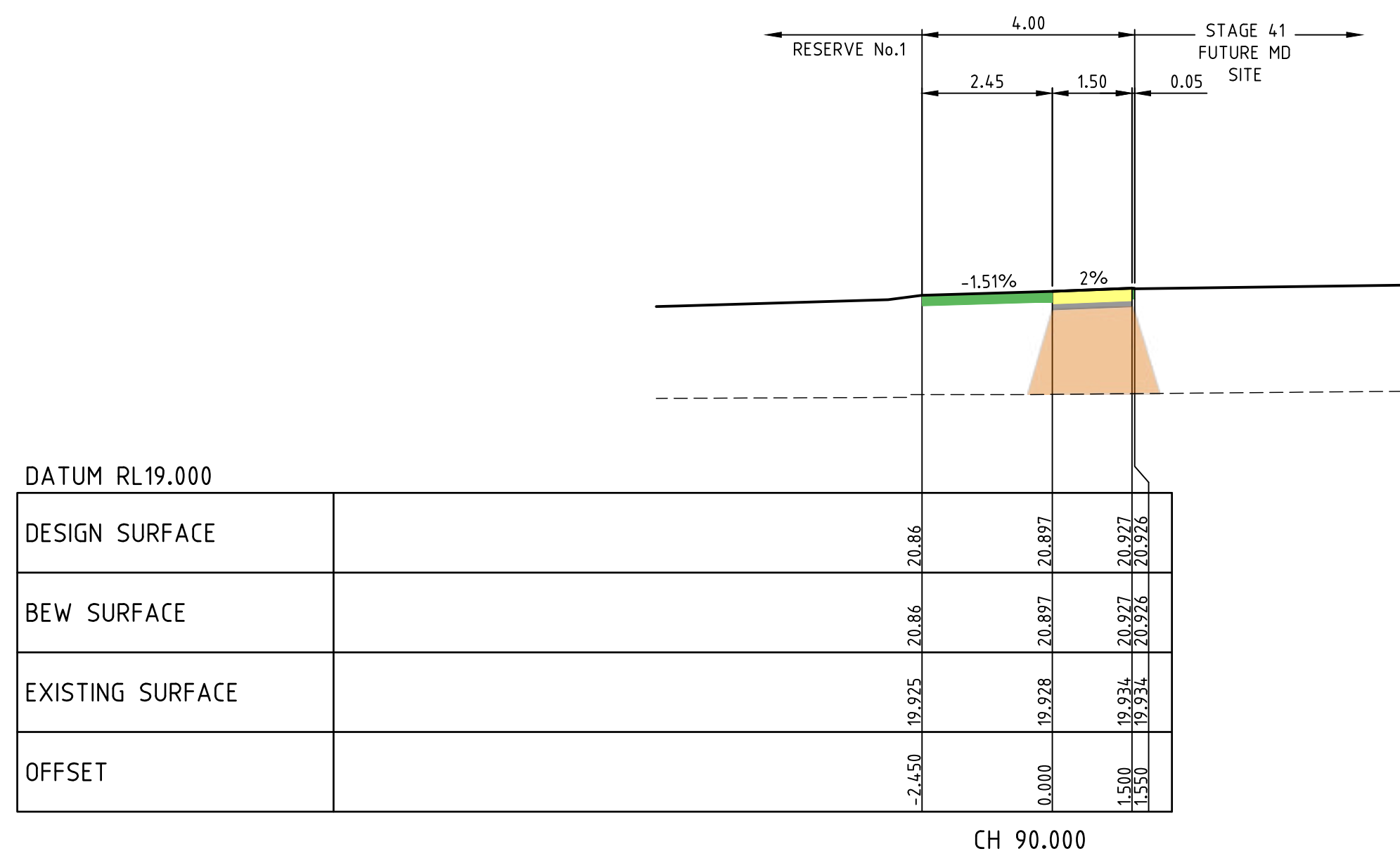


AS CONSTRUCTED

TYPE A STRUCTURAL FILL MATERIAL IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 201.10Q OF THE WYNDHAM CITY COUNCIL SUBDIVISION GUIDELINES AND SHALL BE FREE OF TOPSOIL, DELETERIOUS MATERIAL AND PERISHABLE MATTER. ALL FILL AREAS MUST ENSURE LEVEL 1 SUPERVISION IS MAINTAINED PER AS3798-2007

FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK
EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR
TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)

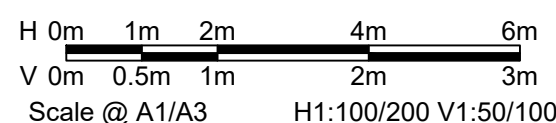
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL



Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

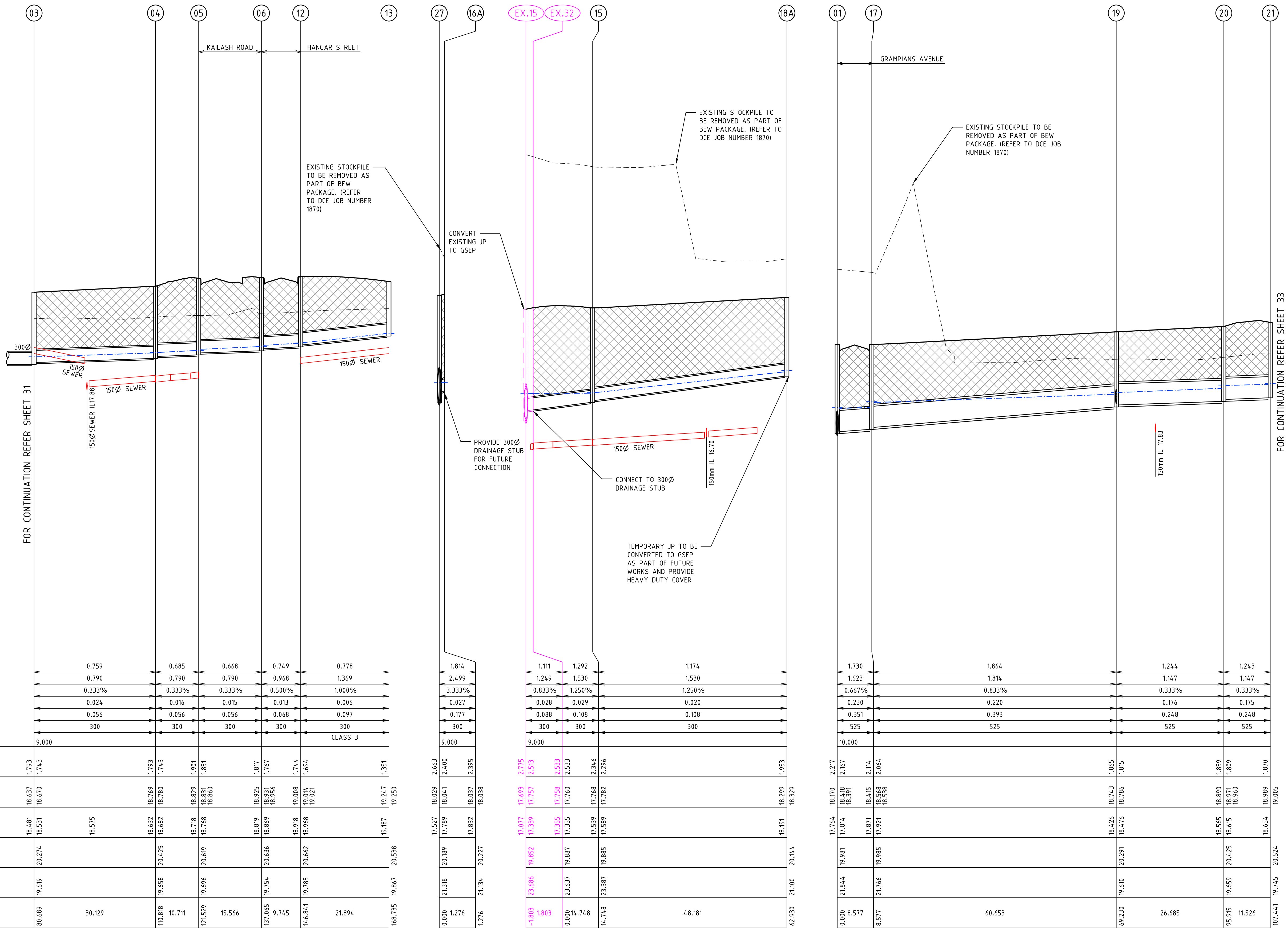
© Dalton Consulting Engineers Pty Ltd

- - - - - EXISTING SURFACE
 _____ FINISHED SURFACE
 — — — — — BEW SURFACE



Rev AC1





AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE000821

LEGEND
--- EXISTING SURFACE
--- FINISHED SURFACE
--- EXISTING DRAIN
--- PROPOSED DRAIN
--- HYDRAULIC GRADE LINE
--- CRUSHED ROCK BACKFILL

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

Coords: MGA Levels: AHD



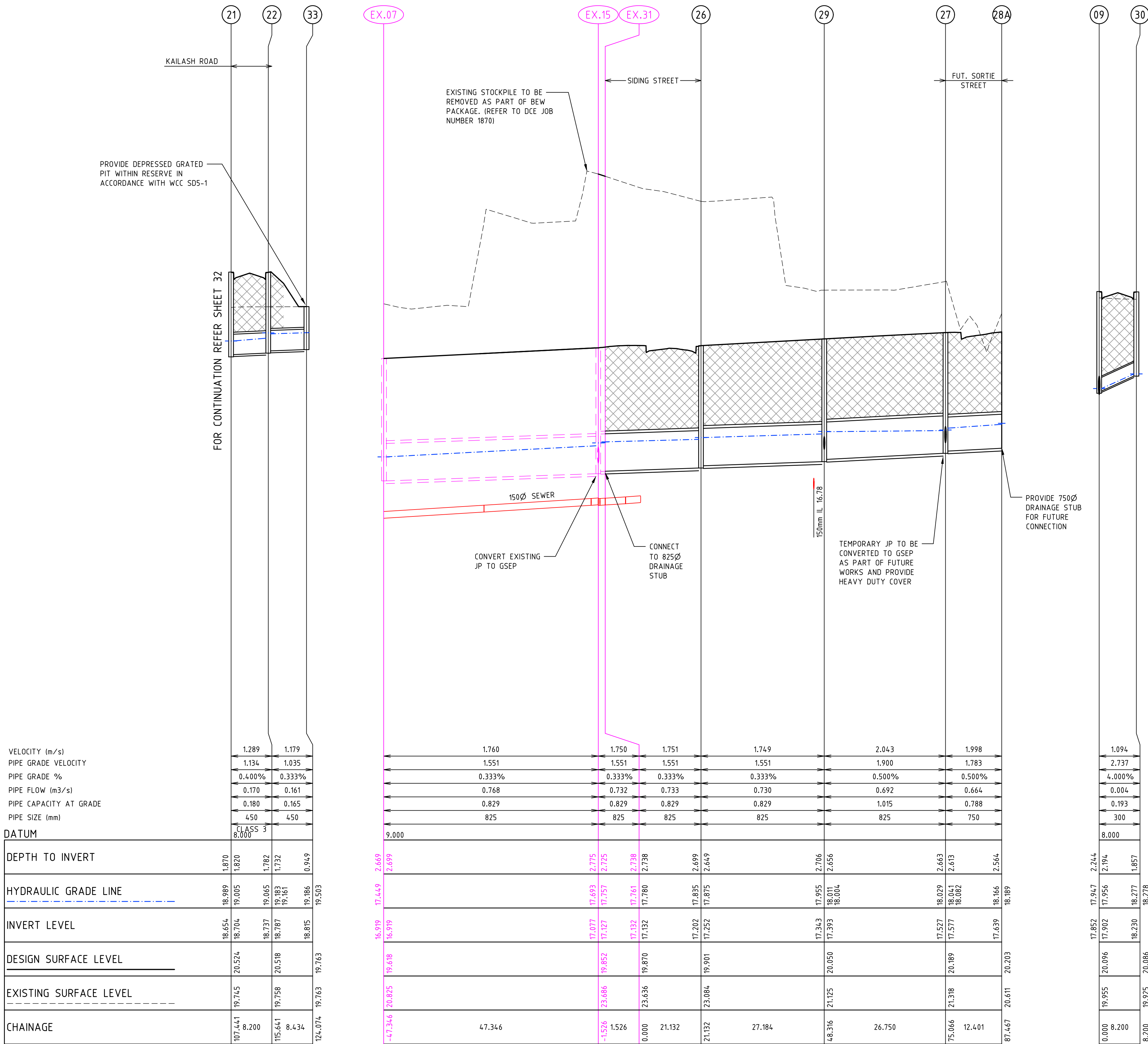
H 0m 5m 10m 20m 30m
V 0m 0.5m 1m 2m 3m
Scale @ A1/A3 H1:500/1000 V1:50/100

RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
DRAINAGE LONGITUDINAL SECTIONS
SHEET 02 OF 03
Drawing No. 10940DR02
Sheet No. 32 of 41

Rev AC1



AS CONSTRUCTED



VELOCITY (m/s)	1.289	1.179
PIPE GRADE VELOCITY	1.134	1.035
PIPE GRADE %	0.400%	0.333%
PIPE FLOW (m3/s)	0.170	0.161
PIPE CAPACITY AT GRADE	0.180	0.165
PIPE SIZE (mm)	450	450
DATUM	CLASS 3	8.000
DEPTH TO INVERT	1.870	1.820
HYDRAULIC GRADE LINE	18.989	19.005
INVERT LEVEL	18.654	18.704
DESIGN SURFACE LEVEL	20.524	20.518
EXISTING SURFACE LEVEL	19.745	19.758
CHAINAGE	107.441	115.641

1.760	1.750	1.751	1.749	2.043	1.998
1.551	1.551	1.551	1.551	1.900	1.783
0.333%	0.333%	0.333%	0.333%	0.500%	0.500%
0.768	0.732	0.733	0.730	0.692	0.664
0.829	0.829	0.829	0.829	1.015	0.788
825	825	825	825	825	750
9.000					
16.919	17.449	2.669			
17.077	17.693	2.775			
17.127	17.757	2.725			
17.132	17.761	2.738			
17.132	17.780	2.738			
17.202	17.835	2.699			
17.252	17.875	2.649			
17.343	17.955	2.706			
17.393	18.011	2.656			
17.527	18.029	2.663			
17.577	18.041	2.613			
17.639	18.166	2.564			
17.852	17.947	2.244			
17.902	17.956	2.194			
18.230	18.277	1.857			
19.955	20.096				
20.000	20.086				
20.825	20.611	20.203			
23.466	20.611	20.203			
23.636	20.611	20.203			
21.132	20.611	20.203			
21.132	20.611	20.203			
27.184	20.611	20.203			
48.316	21.125	20.050			
26.750	21.318	20.189			
75.066	21.318	20.189			
12.401	21.318	20.189			
87.467	20.611	20.203			

1.094	2.737	4.000%	0.004	0.193	300	8.000
17.852	17.947	2.244				
17.902	17.956	2.194				
18.230	18.277	1.857				
19.955	20.096					
20.000	20.086					
20.825	20.611	20.203				
23.466	20.611	20.203				
23.636	20.611	20.203				
21.132	20.611	20.203				
21.132	20.611	20.203				
27.184	20.611	20.203				
48.316	21.125	20.050				
26.750	21.318	20.189				
75.066	21.318	20.189				
12.401	21.318	20.189				
87.467	20.611	20.203				

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

- LEGEND
- EXISTING SURFACE
 - FINISHED SURFACE
 - EXISTING DRAIN
 - PROPOSED DRAIN
 - HYDRAULIC GRADE LINE
 - CRUSHED ROCK BACKFILL



RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
DRAINAGE LONGITUDINAL SECTIONS
SHEET 03 OF 03
Drawing No. 10940DR03
Sheet No. 33 of 41

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
F +61 3 5246 1700
E info@dceng.com.au

melbourne wurundjeri
geelong wadawurrung
brisbane turrbal
dceng.com.au

AS CONSTRUCTED

PIT SCHEDULE																		
PIT NAME	PIT TYPE	PIT EASTING	PIT NORTHING	LID WIDTH	LID LENGTH	BASE WIDTH	BASE LENGTH	INLET DIA.	INLET INV LEV	OUTLET DIA.	OUTLET INV LEV	PIT SETOUT RL	PIT DEPTH	PIT DETAIL	HAUNCH DETAIL	STEP IRONS	HEAVY DUTY	FURTHER COMMENTS
7	GP	293172.313	5801585.722	600	900	600	900	300	18.694	300	18.644	20.460	1.816	EDCM 601	-	EDCM 609	YES	PROVIDE GRATED PIT WITH HEAVY DUTY PIT COVER
8	GP	293125.129	5801613.494	600	900	600	900			300	19.241	20.814	1.573	EDCM 601	-	EDCM 609	YES	PROVIDE GRATED PIT WITH HEAVY DUTY PIT COVER
EX 04B	DGSEP	293277.721	5801643.677	600	900	1100	900	300	17.307			20.032	3.175	EDCM 602	EDCM 607	EDCM 609		CONNECT TO EXISTING DGSEP. CONTRACTOR TO NEATLY BREAK INTO EXISTING DRAINAGE PIT. PROVIDE CONCRETE GROUT FOR ANY REINSTATEMENT WORKS REQUIRED. RESHAPE PIT GRATE TO MATCH NEW KERB.
9	GSEP	293264.109	5801643.285	600	900	600	900	300	17.902	300	17.852	20.096	2.244	EDCM 601	-	EDCM 609		
10	JP	293252.553	5801631.280	600	900	600	900			300	18.568	20.297	1.728	EDCM 605	-	EDCM 609		
11A	EP	293110.343	5801533.174							225	17.806	20.310	2.504	-	-	-		PROVIDE 225mm DRAINAGE STUB FOR FUTURE CONNECTION
EX 17	GSEP	293150.363	5801494.333	600	900	900	900	525	17.638	525	17.588	19.855	2.267	EDCM 601	-	EDCM 609		CONNECT TO 525mm DRAINAGE STUB
EX 30	EP	293150.676	5801495.757					525	17.645	525	17.645	19.867	2.222					CONNECT TO 525mm DRAINAGE STUB
1	GSEP	293153.26	5801519.367	600	900	750	900	300	17.876	525	17.764	19.981	2.217	EDCM 605		EDCM 609		
2	JP	293154.627	5801523.442	600	900	600	900	300	17.955	300	17.905	20.011	2.106	EDCM 601	-	EDCM 609		
3	GSEP	293181.328	5801568.807	600	900	600	900	300	18.531	300	18.481	20.274	1.793	EDCM 601	-	EDCM 609		
4	GSEP	293196.611	5801594.772	600	900	600	900	300	18.682	300	18.632	20.425	1.793	EDCM 601	-	EDCM 609		
5	GSEP	293206.735	5801598.270	600	900	600	900	300	18.768	300	18.718	20.619	1.901	EDCM 601	-	EDCM 609		
6	GSEP	293218.829	5801608.07					300	18.869	300	18.819	20.636	1.817	EDCM 601	-	EDCM 609		
12	GSEP	293228.389	5801606.177	600	900	600	900	300	18.968	300	18.918	20.662	1.744	EDCM 601	-	EDCM 609		
13	JP	293243.572	5801621.951	600	900	600	900			300	19.187	20.538	1.351	EDCM 605	-	EDCM 609		
16A	EP	293084.646	5801543.786							300	17.832	20.227	2.395	-	-	-		PROVIDE 300mm DRAINAGE STUB FOR FUTURE CONNECTION
EX 32	EP	293140.624	5801496.155					300	17.355	300	17.355	19.887	2.533	-	-	-		CONNECT TO 300mm DRAINAGE STUB
15	GSEP	293130.093	5801506.479	600	900	600	900	300	17.589	300	17.539	19.885	2.346	EDCM 601	-	EDCM 609		
18A	JP	293088.513	5801530.822	600	900	600	900			300	18.191	20.144	1.953	EDCM 605	-	EDCM 609	YES	TEMPORARY JP TO BE CONVERTED TO GSEP AS PART OF FUTURE WORKS AND PROVIDE HEAVY DUTY COVER
17	JP	293145.691	5801523.402	600	900	750	900	525	17.921	525	17.871	19.985	2.114	EDCM 605	EDCM 607	EDCM 609		
19	GSEP	293176.008	5801575.934	600	900	900	900	525	18.476	525	18.426	20.291	1.865	EDCM 601	EDCM 607	EDCM 609		
								300	18.539									
20	GSEP	293189.545	5801598.931	600	900	1050	900	525	18.615	525	18.565	20.425	1.859	EDCM 601	EDCM 607	EDCM 609		
21	DGSEP	293186.655	5801610.089	600	900	1050	900	450	18.704	525	18.654	20.524	1.87	EDCM 602	EDCM 607	EDCM 609		
22	DGSEP	293190.815	5801617.156	600	900	600	900	450	18.787	450	18.737	20.518	1.782	EDCM 602	-	EDCM 609		
33	GP	293192.329	5801625.452	750	1000	750	1000			450	18.815	19.763	0.949	WCC SD5-1	-	EDCM 609		PROVIDE DEPRESSED GRATED PIT TO CAPTURE RESERVE Q100 FLOWS. PIT TO BE SETOUT TO AVOID NEARBY TREES STRUCUTRAL ROOT SYSTEM
EX 15	GSEP	293142.222	5801495.319	600	900	1200	900	825	17.127	825	17.077	19.852	2.775	EDCM 605	EDCM 607	EDCM 609		CONNECT TO 750mm DRAINAGE STUB
								300	17.339									PROVIDE 300mm DRAINAGE STUB FOR Q5 OUTFLOW
EX 31	EP	293141.424	5801496.671					825	17.132	825	17.132	19.87	2.738		-			CONNECT TO 750mm DRAINAGE STUB
26	GSEP	293131.284	5801515.162	600	900	1200	900	825	17.252	825	17.202	19.901	2.699	EDCM 601	EDCM 607	EDCM 609		
29	GSEP	293107.857	5801528.951	600	900	1050	900	825	17.393	825	17.343	20.05	2.706	EDCM 601	EDCM 607	EDCM 609		
								225	17.643									
27	JP	293084.804	5801542.52	600	900	1050	900	750	17.577	825	17.527	20.189	2.663	EDCM 605	EDCM 607	EDCM 609	YES	TEMPORARY JP TO BE CONVERTED TO GSEP AS PART OF FUTURE WORKS AND PROVIDE HEAVY DUTY COVER
28A	EP	293074.023	5801548.648							750	17.639	20.203	2.564					PROVIDE 750mm DRAINAGE STUB FOR FUTURE CONNECTION
30	GSEP	293258.201	5801648.972	600	900	600	900			300	18.23	20.086	1.857	EDCM 601	-	EDCM 609		
EX 04	GSEP	293236.210	5801575.758	600	900	600	900			300	18.864	20.655	1.791	EDCM 601	-	EDCM 609		CONNECT EXISTING JP TO GSEP
EX 20	GSEP	293225.680	5801555.379	600	900	600	900			300	18.816	20.550	1.734	EDCM 601	-	EDCM 609		CONNECT EXISTING JP TO GSEP

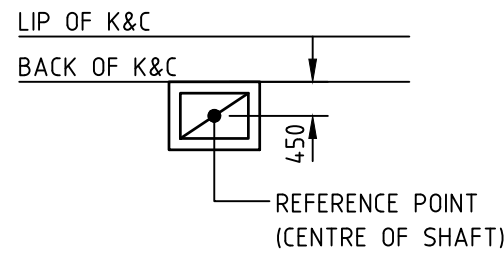
- NOTES: DRAINAGE PITS
- EASTING, NORTHING SETOUT TO CENTRE OF PIT COVER.
 - SETOUT LEVEL TO PIT COVER LEVEL.
 - EASTING, NORTHING FOR ENDWALL SETOUT POINTS QUOTED TO PIPE INVERT CENTRELINE.
 - ALL PIT COVERS TO BE IN ACCORDANCE WITH COUNCIL AND VPA REQUIREMENTS AND SPECIFICATIONS.
 - ALL TEMPORARY JUNCTION PITS (JP) TO BE PROVIDED WITH KEYED CONSTRUCTION JOINTS (K.C.J) FOR FUTURE SEP CONVERSION.
 - STEP IRONS REQUIRED FOR ALL PITS GREATER THAN 1000mm IN DEPTH.
 - PIT FLOOR TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROPS LESS THAN 50mm.
 - ALL DRAINAGE WORKS ARE TO BE CONSTRUCTED AND EDM TO VICTORIAN PLANNING AUTHORITY (VPA) SPECIFICATIONS.
 - PIT BASE TO BE SHAPED WITH MASS CONCRETE FOR SMOOTH HYDRAULIC FLOW.
 - ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC UNLESS OTHERWISE SHOWN. ALL PIPES UP TO AND INCLUDING 750mm IN DIAMETER SHALL BE RUBBER RING JOINTED. PIPES ABOVE THIS SIZE MAY BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS.
 - ALL HAUNCHED PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VPA REQUIREMENTS AND EDM STD DRAWINGS.

NOTE: TEMPORARY TOPS
ALL PITS TO BE CONSTRUCTED WITH TEMPORARY TOPS, MATCHING TO EXISTING SURFACE FOR FUTURE GSEP/JP CONVERSION.

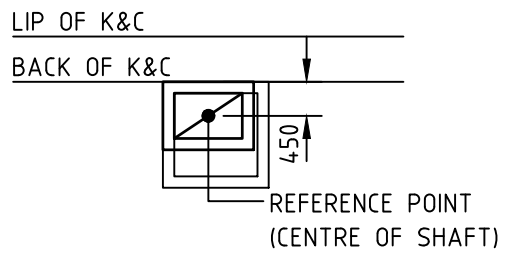
NOTE: STUBS
ALL STUBS FOR FUTURE EXTENSIONS TO BE SOCKETED UPSTREAM AND BLANKED OFF.

NOTE: SEDIMENT CONTROL
SEDIMENT CONTROL INCLUDING HAY BALES AND SEDIMENT TRAP FENCING IS REQUIRED FOR ALL OPEN EARTH DRAINS IN ACCORDANCE WITH EPA 'CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL'. SEDIMENT CONTROL MEASURES TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.

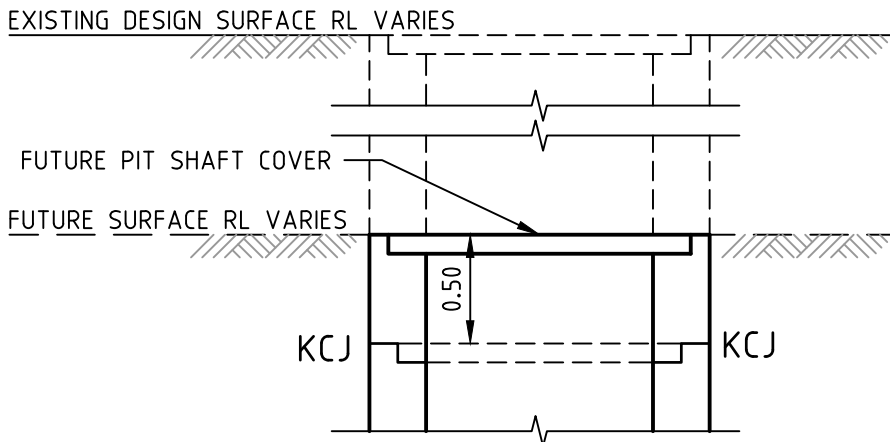
WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.



PIT SETOUT POINT
NOT TO SCALE



HAUNCHED PIT SETOUT POINT
FOR HAUNCHED PITS WITH 150mm THICK WALLS
NOT TO SCALE



TEMPORARY PIT TOP DETAIL
NOT TO SCALE

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL	
REV	DESCRIPTION	DATE	AMEND	APP'D	

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821

© Dalton Consulting Engineers Pty Ltd

Coords: MGA Levels: AHD



Scale @ A1/A3

As Shown

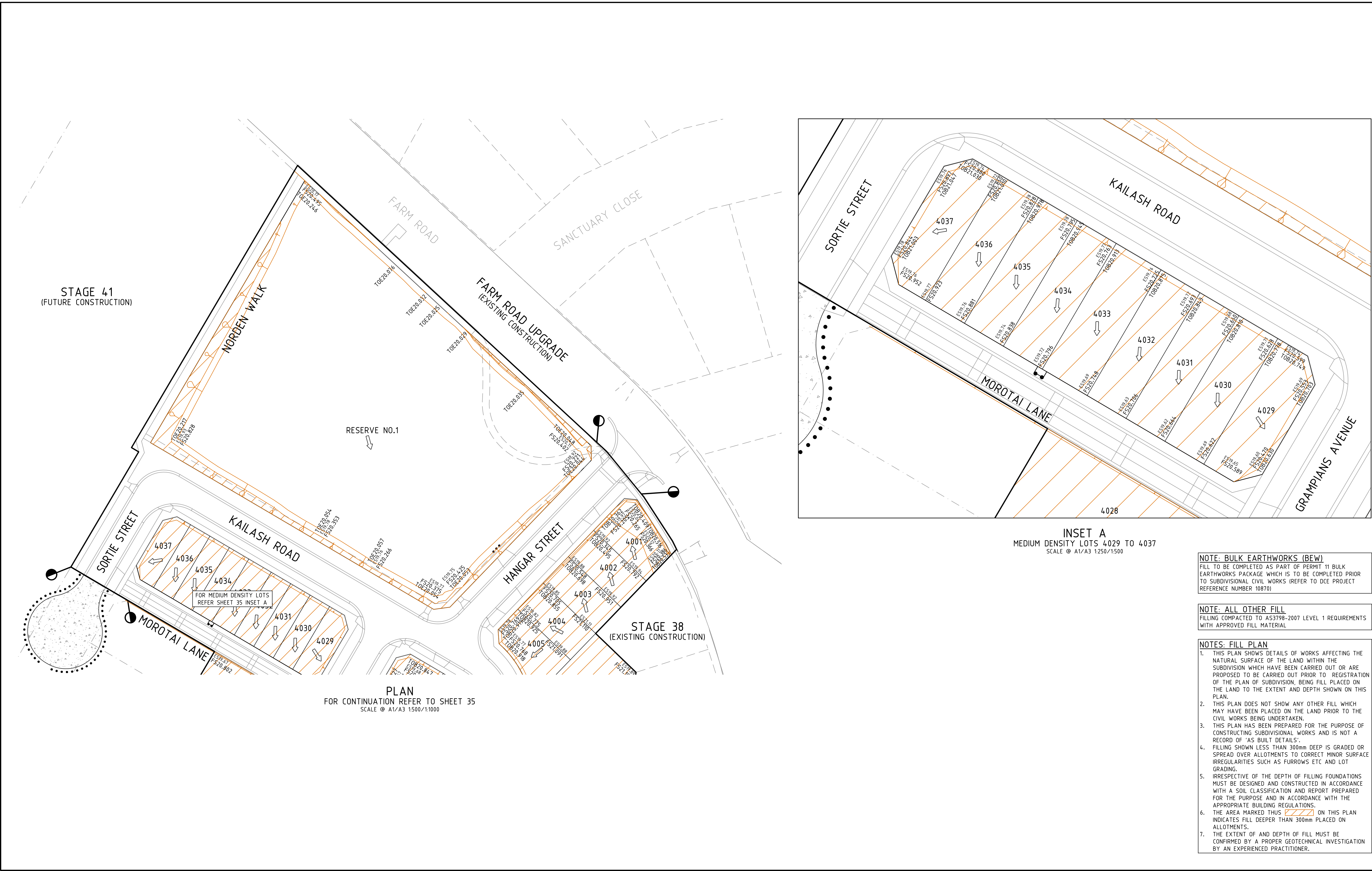
RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
PIT SCHEDULE

Drawing No. 10940PIT01
Sheet No. 34 of 41

Rev AC1



AS CONSTRUCTED



Drawn	R.GUTIERREZ	14/09/22	AN	3401095	Designed	P.NICHOLSON	13/09/22	AN	3791018	Checked	S.RAJKOVIC	21/09/22	AN	2951057	Reg. Eng.	T.LIAKOPOULOS	02/02/23	AN	PE0000821
REV	DESCRIPTION	DATE	AMEND	APP'D	DATE	AMEND	APP'D	DATE	AMEND	APP'D	DATE	AMEND	APP'D	DATE	AMEND	APP'D	DATE	AMEND	APP'D
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL															

Written dimensions to take precedence over scale. Contractor shall check and verify all dimensions on site. Discrepancies to be brought to the attention of the Superintendent.

© Dalton Consulting Engineers Pty Ltd

LEGEND

ES20.06 EXISTING SURFACE LEVEL
FS21.65 FINISHED SURFACE LEVEL
TOB21.65 TOP OF BATTER
REGRADE LOT (MIN 1:50)
LIMIT OF WORKS
FILLING OVER 300mm
BATTER
ALLOTMENT PAD BOUNDARY

STAGE 38
(EXISTING CONSTRUCTION)

STAGE 41
(FUTURE CONSTRUCTION)


PLAN
FOR CONTINUATION REFER TO SHEET 35
SCALE @ A1/A3 1:500/1:1000

INSET A
MEDIUM DENSITY LOTS 4029 TO 4037
SCALE @ A1/A3 1:250/1:500

NOTE: BULK EARTHWORKS (BEW)
FILL TO BE COMPLETED AS PART OF PERMIT 11 BULK EARTHWORKS PACKAGE WHICH IS TO BE COMPLETED PRIOR TO SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT REFERENCE NUMBER 10870)

NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS WITH APPROVED FILL MATERIAL

NOTES: FILL PLAN

- THIS PLAN SHOWS DETAILS OF WORKS AFFECTING THE NATURAL SURFACE OF THE LAND WITHIN THE SUBDIVISION WHICH HAVE BEEN CARRIED OUT OR ARE PROPOSED TO BE CARRIED OUT PRIOR TO REGISTRATION OF THE PLAN OF SUBDIVISION, BEING FILL PLACED ON THE LAND TO THE EXTENT AND DEPTH SHOWN ON THIS PLAN.
- THIS PLAN DOES NOT SHOW ANY OTHER FILL WHICH MAY HAVE BEEN PLACED ON THE LAND PRIOR TO THE CIVIL WORKS BEING UNDERTAKEN.
- THIS PLAN HAS BEEN PREPARED FOR THE PURPOSE OF CONSTRUCTING SUBDIVISIONAL WORKS AND IS NOT A RECORD OF 'AS BUILT DETAILS'.
- FILLING SHOWN LESS THAN 300mm DEEP IS GRADED OR SPREAD OVER ALLOTMENTS TO CORRECT MINOR SURFACE IRREGULARITIES SUCH AS FURROWS ETC AND LOT GRADING.
- IRRESPECTIVE OF THE DEPTH OF FILLING FOUNDATIONS MUST BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH A SOIL CLASSIFICATION AND REPORT PREPARED FOR THE PURPOSE AND IN ACCORDANCE WITH THE APPROPRIATE BUILDING REGULATIONS.
- THE AREA MARKED THUS  ON THIS PLAN INDICATES FILL DEEPER THAN 300mm PLACED ON ALLOTMENTS.
- THE EXTENT OF AND DEPTH OF FILL MUST BE CONFIRMED BY A PROPER GEOTECHNICAL INVESTIGATION BY AN EXPERIENCED PRACTITIONER.

RIVERWALK
STAGE 40
GEEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
FILL PLAN
SHEET 02 OF 02
Drawing No. 10940FP02
Sheet No. 36 of 41

Rev AC1

AS CONSTRUCTED

Coords: MGA Levels: AHD

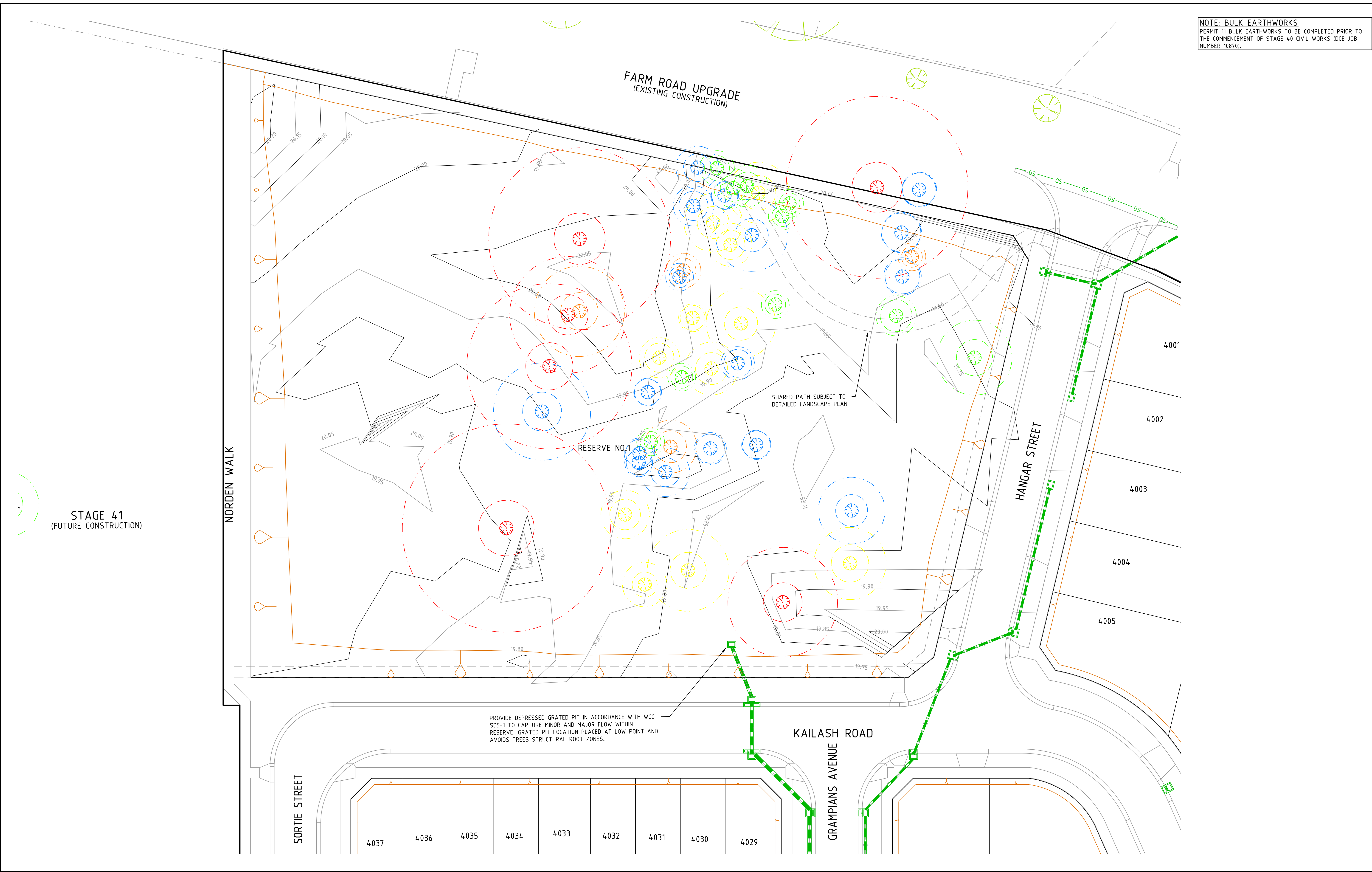
BEFORE YOU DIG
www.bvda.com.au

DEVELOPMENT VICTORIA

Scale @ A1/A3 As Shown

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

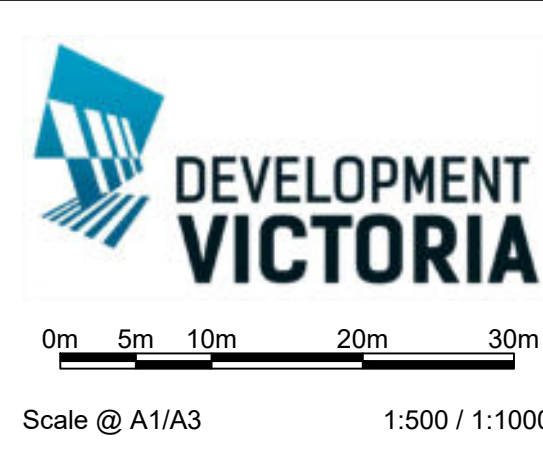
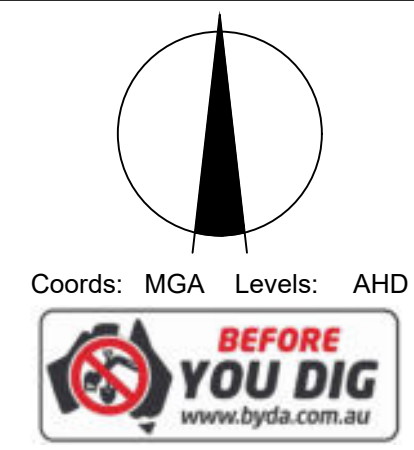
NOTE: BULK EARTHWORKS
PERMIT 11 BULK EARTHWORKS TO BE COMPLETED PRIOR TO
THE COMMENCEMENT OF STAGE 40 CIVIL WORKS (DCE JOB
NUMBER 10870).



AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821
© Dalton Consulting Engineers Pty Ltd

- LEGEND
- CRITICAL RETENTION TREE
 - CRITICAL SRZ
 - CRITICAL TPZ
 - HIGH RETENTION TREE
 - HIGH SRZ
 - HIGH TPZ
 - MODERATE RETENTION TREE
 - MODERATE SRZ
 - MODERATE TPZ
 - LOW RETENTION TREE
 - LOW SRZ
 - LOW TPZ
 - NO IMPORTANCE RETENTION TREE
 - NO IMPORTANCE SRZ
 - NO IMPORTANCE TPZ
 - MAJOR FS CONTOUR
 - MINOR FS CONTOUR
 - SW DRAIN & PIT



RIVERWALK
STAGE 40
GEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
RESERVE CONTOUR AND TREE PLAN

Drawing No. 10940CON01 Rev AC1
Sheet No. 37 of 41

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au

AS CONSTRUCTED

FOR COTINUATION REFER TO SHEET 39



NOTE: ALL OTHER FILL
FILLING COMPACTED TO AS3798-2007 LEVEL 1 REQUIREMENTS
WITH APPROVED FILL MATERIAL

NOTE: BULK EARTHWORKS (BEW)
BULK EARTHWORKS TO BE COMPLETED PRIOR TO
SUBDIVISIONAL CIVIL WORKS (REFER TO DCE PROJECT
REFERENCE NUMBER 10870)

NOTE: EXISTING SURFACE LEVELS
ALL EXISTING SURFACE LEVELS SHOWN ON THIS PLAN ARE
BASED ON THE DESIGNED SITE CONDITIONS UPON COMPLETION
OF PERMIT 11 BULK EARTHWORKS. (DCE PROJECT REFERENCE
NUMBER 10870)

CUT/FILL VOLUME

	VOLUME (m ³)
TOTAL CUT	-3,484
TOTAL FILL	316
BALANCE	-3168

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn
Date
AN
14/09/22
3401095
Designed
Date
AN
13/09/22
3791018
Checked
Date
AN
21/09/22
2951057
Reg. Eng.
Date
AN
02/02/23
T.LIAKOPOULOS
PE0000821

LEGEND

CUT: 0.0m TO 0.2m	CUT: 1.6m TO 1.8m	FILL: 0.0m TO 0.2m	FILL: 1.6m TO 1.8m
CUT: 0.2m TO 0.4m	CUT: 1.8m TO 2.0m	FILL: 0.2m TO 0.4m	FILL: 1.8m TO 2.0m
CUT: 0.4m TO 0.6m	CUT: 2.0m TO 2.2m	FILL: 0.4m TO 0.6m	FILL: 2.0m TO 2.2m
CUT: 0.6m TO 0.8m	CUT: 2.2m TO 2.4m	FILL: 0.6m TO 0.8m	FILL: 2.2m TO 2.4m
CUT: 0.8m TO 1.0m	CUT: 2.4m TO 2.6m	FILL: 0.8m TO 1.0m	FILL: 2.4m TO 2.6m
CUT: 1.0m TO 1.2m	CUT: 2.6m TO 2.8m	FILL: 1.0m TO 1.2m	FILL: 2.6m TO 2.8m
CUT: 1.2m TO 1.4m	CUT: 2.8m TO 3.0m	FILL: 1.2m TO 1.4m	FILL: 2.8m TO 3.0m
CUT: 1.4m TO 1.6m	CUT: 3.0m TO 3.2m	FILL: 1.4m TO 1.6m	FILL: 3.0m TO 3.2m



RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
EARTHWORKS PLAN
SHEET 01 OF 02
Drawing No. 10940EW01
Sheet No. 38 of 41

DALTON CONSULTING ENGINEERS
ABN 78 429 221 049
T +61 3 9813 7400
T +61 3 5246 1700
T +61 7 3374 9000
E info@dceng.com.au
melbourne wurundjeri
geelong wadawurrung
brisbane turrbal
dceng.com.au

AS CONSTRUCTED



NOTE: EXISTING SURFACE LEVELS
ALL EXISTING SURFACE LEVELS SHOWN ON THIS PLAN ARE
BASED ON THE DESIGNED SITE CONDITIONS UPON COMPLETION
OF PERMIT 11 BULK EARTHWORKS. (DCE PROJECT REFERENCE
NUMBER 10870)

CUT/FILL VOLUME	
	VOLUME (m ³)
TOTAL CUT	-3,536
TOTAL FILL	23
BALANCE	-3513

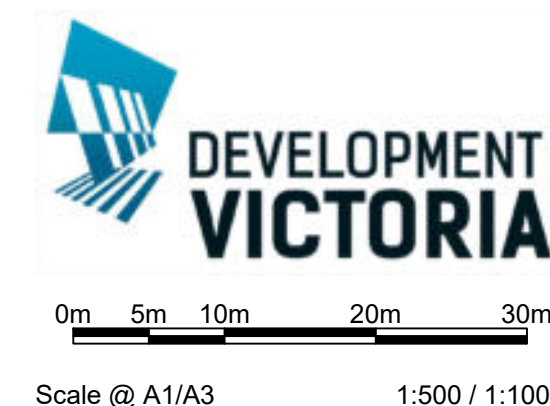
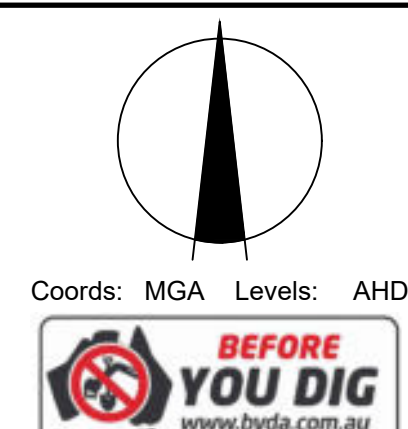
AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn	R.GUTIERREZ
Date	14/09/22
AN	3401095
Designed	P.NICHOLSON
Date	13/09/22
AN	3791018
Checked	S.RAJKOVIC
Date	21/09/22
AN	2951057
Reg. Eng.	T.LIAKOPOULOS
Date	02/02/23
AN	PE0000821

© Dalton Consulting Engineers Pty Ltd

LEGEND

	CUT: 0.0m TO 0.2m		CUT: 1.6m TO 1.8m		FILL: 0.0m TO 0.2m		FILL: 1.6m TO 1.8m
	CUT: 0.2m TO 0.4m		CUT: 1.8m TO 2.0m		FILL: 0.2m TO 0.4m		FILL: 1.8m TO 2.0m
	CUT: 0.4m TO 0.6m		CUT: 2.0m TO 3.0m		FILL: 0.4m TO 0.6m		FILL: 2.0m TO 3.0m
	CUT: 0.6m TO 0.8m		CUT: 3.0m TO 4.0m		FILL: 0.6m TO 0.8m		FILL: 3.0m TO 4.0m
	CUT: 0.8m TO 1.0m		CUT: 4.0m TO 5.0m		FILL: 0.8m TO 1.0m		FILL: 4.0m TO 5.0m
	CUT: 1.0m TO 1.2m		CUT: 5.0m TO 6.0m		FILL: 1.0m TO 1.2m		FILL: 5.0m TO 6.0m
	CUT: 1.2m TO 1.4m		CUT: 6.0m TO 100.0m		FILL: 1.2m TO 1.4m		FILL: 6.0m TO 100.0m
	CUT: 1.4m TO 1.6m				FILL: 1.4m TO 1.6m		

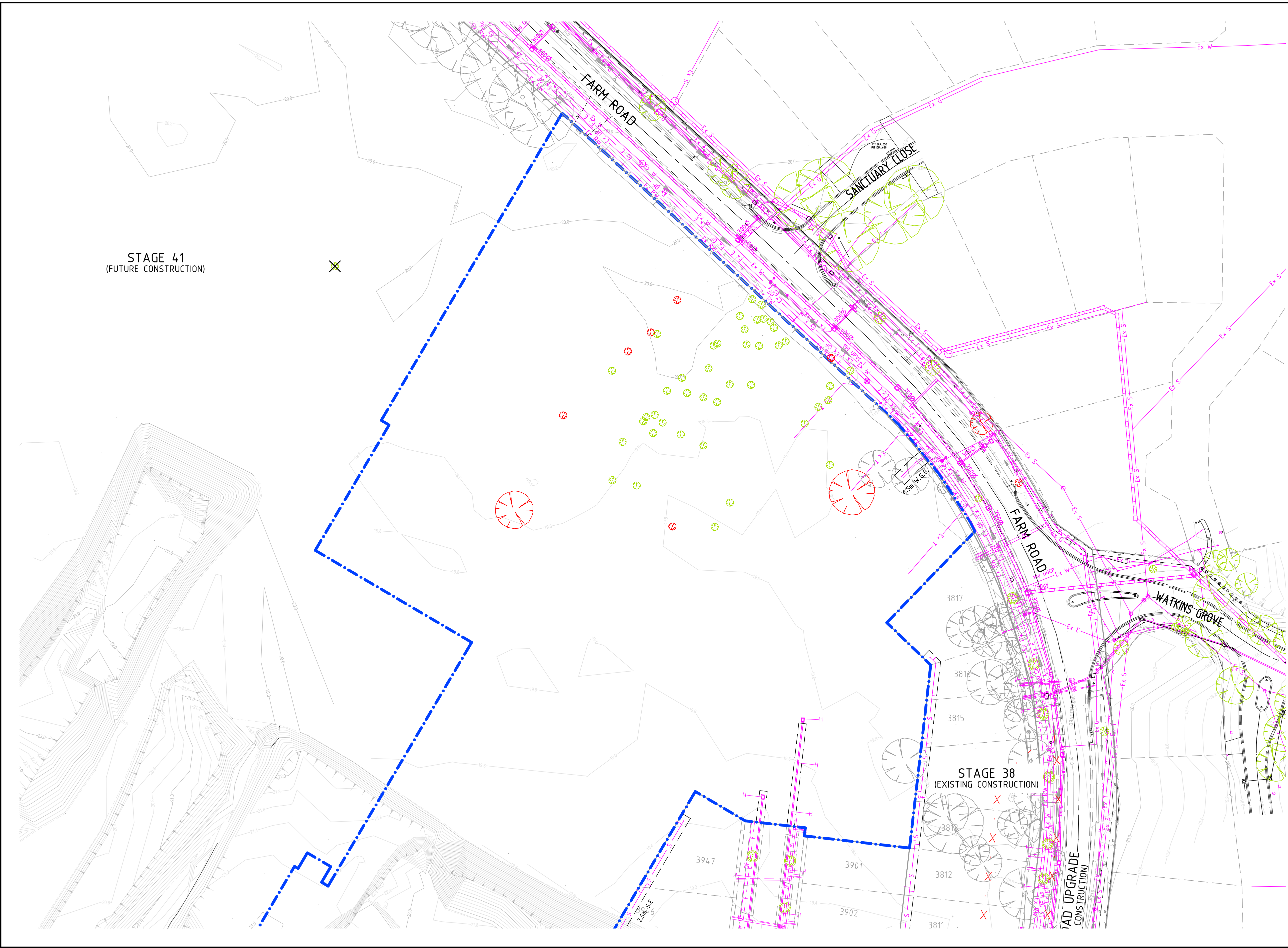


RIVERWALK
STAGE 40
GEEELONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
EARTHWORKS PLAN
SHEET 02 OF 02
Drawing No. 10940EW02
Sheet No. 39 of 41



AS CONSTRUCTED

Rev AC1



SURVEY
SURVEY IS PROVIDED BY CRA SURVEY PTY LTD
7A/346 BELMORE ROAD, BALWYN VIC 3103
PH.03 9890 0933

TBM SCHEDULE

I.D.	TYPE	EASTING	NORTHING	LEVEL
201	RIVET	293313.889	5801608.486	20.32
910	RIVET	293299.340	5801399.356	20.35
No.1	RIVET	293130.10	5801386.10	19.52
No.2	RIVET	293032.03	5801403.63	19.69

NOTE: TBM'S
TBMS SHOWN IN THE TABLE ABOVE ARE OUTSIDE OF THE SCOPE OF THIS DRAWING. REFER TO 10940SP01 FOR LOCATION OF TBM'S IN RELATION TO STAGE 40 WORKS.

CAUTION!
ALL EXISTING SERVICES IN THE VICINITY OF WORKS SHALL BE PROTECTED AND KEPT IN FUNCTIONAL STATE AT ALL TIMES DURING WORKS.

BEWARE!
NBN OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 1800 687 626.

BEWARE!
TELSTRA OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 9253 8263.

BEWARE!
TELSTRA MAJOR CABLES ARE IN THE VICINITY OF WORKS.

BEWARE!
DEVELOPMENT VICTORIA FTTH OPTIC FIBRE CABLES IN THE VICINITY OF WORKS. TEL: 03 9311 4575.

WARNING!
NO DRAINAGE WORKS SHALL COMMENCE UNTIL THE CONTRACTOR CONFIRMS THE I.L. OF ALL EXISTING DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISOR.

DANGER!
OVERHEAD ELECTRICITY TRANSMISSION LINES. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

WARNING!
THE LOCATION OF EXISTING SERVICES SHOWN ON THESE PLANS MUST BE PROVEN ON SITE, THE APPROPRIATE AUTHORITY MUST BE CONTACTED AND THE SERVICES LOCATED PRIOR TO COMMENCEMENT OF ANY WORKS.

WARNING!
BEWARE OF ASBESTOS!
SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

AC1	AS CONSTRUCTED ISSUE	01/05/24	FM	TL
REV	DESCRIPTION	DATE	AMEND	APP'D

Drawn R.GUTIERREZ
Date 14/09/22
AN 3401095
Designed P.NICHOLSON
Date 13/09/22
AN 3791018
Checked S.RAJKOVIC
Date 21/09/22
AN 2951057
Reg. Eng. T.LIAKOPOULOS
Date 02/02/23
AN PE0000821
© Dalton Consulting Engineers Pty Ltd

LEGEND	
PSM / TBM	PROPOSED TREE WITH 3M TREE RING
STREET NAME SIGN	EX. WATER MAIN
EX. SURFACE LEVEL	EX. GAS MAIN
FS21.650	EX. ELECTRICAL CABLE
EX. DRAIN & PIT	EX. SEWER MAIN & MH
EX. TREE TO REMAIN	EX. TELECOMM & PIT
EX. TREE TO REMOVE	EX. O/H ELEC. & POLE
PREV. REMOVED TREE	GAS CONDUIT
	WATER CONDUIT
	SERVICE TO BE ABANDONED



RIVERWALK
STAGE 40
GEE LONG ROAD, WERRIBEE
WYNDHAM CITY COUNCIL
EXISTING FEATURES PLAN
SHEET 02 OF 02
Drawing No. 10940EF02
Sheet No. 41 of 41

