

# ALAMORA

## STAGE 11

# WYNDHAM CITY COUNCIL

### NOTES:

#### GENERAL:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS, CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS AND VPA EDM GUIDELINES TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT & A.S.2124-1992 GENERAL CONDITIONS OF CONTRACT.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED IN PARTICULAR THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORK COVER AUTHORITY - HEALTH AND SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL CO-OPERATE WITH OTHER CONTRACTORS AND/OR AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE ENGINEER THE EXACT LOCATION OF ALL PROPOSED SERVICES PRIOR TO THE INSTALLATION OF CONDUITS. ALL WORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCING EXCAVATIONS AND THE VARIOUS AUTHORITIES ARE TO BE NOTIFIED. SHOULD ANY EXISTING SERVICES BE DAMAGED DURING CONSTRUCTION WORKS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR REPAIRS. ALL COSTS FOR THIS SHALL BE BORNE BY THE CONTRACTOR.
- PRIOR TO COMMENCING WORK ON TRENCHES IN EXCESS OF 1.50m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE SECRETARY OF MINERALS AND ENERGY IN ACCORDANCE WITH CLAUSE 202 OF THE MINES (TRENCHES) REGULATIONS 1982. A FOREMAN QUALIFIED AS A MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATION WORKS.
- THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP THE WORKS IN A SAFE AND STABLE CONDITION TO PROTECT THE PUBLIC FROM THE WORKS. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP & GRADED OVER AND ALL RUBBISH IS TO BE REMOVED. THE SITE IS TO BE LEFT CLEAN & TIDY AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- UPON COMPLETION OF THE CIVIL WORKS, THE CONTRACTOR SHALL PROVIDE "AS CONSTRUCTED" PLANS IN A D-SPEC AND R-SPEC DIGITAL FORMAT TO COUNCIL'S REQUIREMENTS AND TO THE SATISFACTION OF ALL PARTIES.
- THE INFRASTRUCTURE MANAGER OR HIS REPRESENTATIVE SHALL BE GIVEN ACCESS TO THE SITE AT ALL TIMES. ALL CONSTRUCTION WORKS SHALL BE COMPLETED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- BLASTING REQUIRES BLASTING PERMIT FROM COUNCIL.
- ANY EXISTING PAVEMENT OR DRAINAGE DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD IS TO BE REINSTATED BY THE CONTRACTOR TO THE SATISFACTION OF THE SUPERINTENDENT.

#### SURVEY & SETOUT:

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- PERMANENT SURVEY MARK SKETCH PLANS ARE TO BE PREPARED ESTABLISHING A H.D. LEVELS AND A.M.G. CO-ORDINATES FOR REGISTRATION WITH THE C.P.O. BY A LICENSED SURVEYOR.
- ALL TBM'S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CONSULTANT TO ARRANGE REINSTATEMENT AT THE CONTRACTORS EXPENSE.

#### EARTHWORKS:

- EARTHWORKS ARE TO BE PERFORMED IN ACCORDANCE WITH A.S.3798-2007 (GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS). FILLING TO BE CARRIED OUT USING APPROVED CLAY FILL. COMPACTED TO 95% AASHO. DAMS AND OPEN CHANNELS TO BE EXCAVATED TO A FIRM BASE TO THE SATISFACTION OF A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF FILLING. ALL FILLING MUST COMPLY WITH A.S. 3798-2007 LEVEL 1 AND BE COMPACTED IN 150mm LAYERS. CONTRACTOR TO TAKE LEVELS IN EXISTING DAMS AND CHANNELS PRIOR TO FILLING & LEVELS RECORDED TO BE SUPPLIED TO THE ENGINEER FOR AS CONSTRUCTED PLAN FILLING TO BE CARRIED OUT USING APPROVED MATERIAL. TOPSOIL AND ALL VEGETABLE MATERIAL TO BE STRIPPED FROM FILL SITE PRIOR TO ANY PLACEMENT OF MATERIAL. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
- FILL AREAS TO BE STRIPPED OF TOPSOIL, THEN REPLACED TO OBTAIN FINAL LEVELS AS SHOWN ON THE DRAWINGS. ALL FILLING TO BE COMPACTED AS SPECIFIED.
- NO TOP SOIL TO BE REMOVED FROM THE SITE WITHOUT THE APPROVAL OF COUNCIL.
- THE NATURE STRIPS IN CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED TOPSOIL MATERIAL. IF THE SOIL ON THE SITE, IS NOT SUITABLE, IT SHALL BE IMPORTED AT THE CONTRACTORS EXPENSE. THE APPROVED TOPSOIL MATERIAL IS TO BE TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- ALL ALLOTMENTS TO BE GRADED AT A MINIMUM OF 1 IN 150 TO THE LOW CORNER. UNLESS OTHERWISE SHOWN BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 6. ALL BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, HAY, STRAW AND BITUMINOUS EMULSION. ALL TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- FOR THE TERM OF THE CONTRACT PERIOD THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PREVENT THE EMISSION OF DUST, WHETHER FROM THE OPERATION OF CONSTRUCTION EQUIPMENT OR EXPOSURE OF SOIL TO WINDS.
- APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING CONSTRUCTION AND MAINTENANCE PERIOD.
- ON COMMENCEMENT OF CONSTRUCTION WORKS THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE EPA PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO. 275).
- COMPACTION RESULTS OF EASEMENTS TO BE PROVIDED TO COUNCILS CONSTRUCTION ENGINEER.

#### ROADS:

- ALL DIMENSIONS AND RADII ARE GIVEN TO LIP OF KERBS, CHAINAGES ARE WITH RESPECT TO CENTRE LINE OF ROAD RESERVE, UNLESS OTHERWISE SHOWN.
- ALL PAVEMENT MATERIALS ARE TO BE VICROADS APPROVED MATERIALS.
- PAVEMENT SUB-BASE AND BEDDING TO KERB & CHANNEL IS TO EXTEND 300mm BEHIND BACK OF KERB.
- ALL SERVICES ARE TO BE CONSTRUCTED PRIOR TO PLACEMENT OF CAPPING LAYER UNDER ROADS.
- ALL DRIVEWAYS ARE TO BE 3.5m WIDE AND OFFSET 0.75m FROM THE SIDE BOUNDARY OR EASEMENT, UNLESS OTHERWISE SHOWN - REFER EDM 501 & 502. DRIVEWAY LAYBACK AND WINGS TO BE CONSTRUCTED AS A SINGLE SEGMENT OF CONCRETE.
- ACCESS RAMPS (DRIVEWAYS INTO LOTS) SHOULD HAVE A MAXIMUM GRADE OF 1 IN 10.
- CONCRETE SHALL BE 25 MPa FOR BOTH KERB AND CHANNEL AND FOOTPATH, HAVING A MINIMUM CEMENT CONTENT OF 280kg PER CUBIC METRE.
- FOOTPATHS AND VEHICLE CROSSINGS TO BE DOWELLED AT THE END OF EACH DAY'S POUR OF CONCRETE.
- SIGNS, LINEMARKING AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE ON ROADS IN ACCORDANCE WITH A.S.1742.2.
- STREET SIGNS ARE TO BE PROVIDED TO THE WYNDHAM CITY COUNCIL STANDARD, INCLUDING THE PROVISION OF LOGOS.
- INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER ON ALL ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE THE LOCATION OF ALL FIREPLUGS.

#### DRAINAGE:

- DRAINAGE PIPES SHALL BE RUBBER RING JOINTS REINFORCED CONCRETE CLASS 2, UNLESS OTHERWISE SHOWN.
- ALL PVC STORM WATER DRAINAGE PIPES TO BE SEWER QUALITY PVC.
- NO PVC STORM WATER DRAINAGE PIPES TO BE LAID UNDER ROADS.
- DRAINAGE PIPES AND PITS ARE SETOUT FROM OFFSETS, RATHER THAN FROM CENTRELINE PIPE CHAINAGES. CURVILINEAR DRAINAGE PIPES MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURES GUIDELINES.
- DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-2007, LOADS ON BURIED PIPES.
- PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY, UNLESS OTHERWISE SHOWN. INVERTS OF PROPERTY INLETS ARE TO BE A MINIMUM OF 400mm BELOW FINISHED SURFACE.
- HOUSE DRAINS ARE TO BE CONNECTED DIRECTLY INTO UNDERGROUND DRAINAGE PIPES OR PITS AND OFFSET FROM SIDE BOUNDARY 5.0m WHERE POSSIBLE AS PER EDM 701. THE LOCATION OF THE HOUSE DRAIN TO BE MARKED AS PER EDM 303. HOUSE DRAIN LEVEL TO BE A MINIMUM 0.4m BELOW THE LOWEST CORNER OF THE LOT.
- ALL DRAINAGE PIPES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 3 F.C.R.
- PRIOR TO THE ISSUE OF STATEMENT OF COMPLIANCE, ALL DRAINS ARE TO BE CCTV TESTED AND THE RESULTS PROVIDED TO COUNCIL.
- SUBSURFACE DRAINS ARE TO BE LAID BEHIND ALL KERB AND CHANNEL AS PER EDM 202.
- WHEN ROADS ARE TRUNCATED AGAINST RISING LAND PENDING DEVELOPMENT OF FUTURE STAGES, TEMPORARY A.G. DRAINS SHALL BE INSTALLED ACROSS THE END OF THE ROAD TO PREVENT SEEPAGE INTO PAVEMENT.

#### UTILITIES:

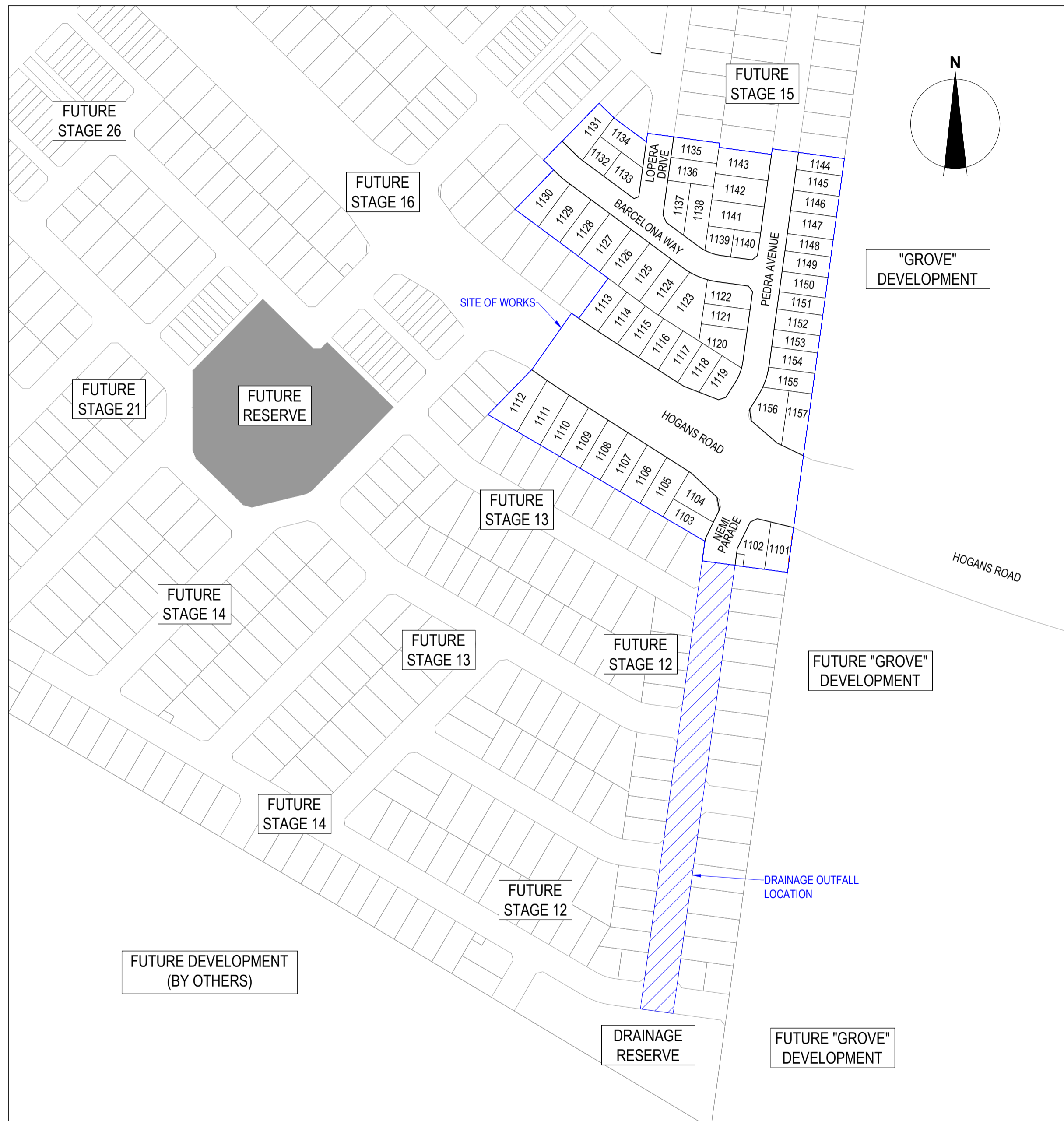
- SERVICE CONDUITS ARE TO BE INSTALLED AT THE LOCATIONS SHOWN ON THIS DRAWING. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON KERB & CHANNEL AS PER EDM 303. SERVICE CONDUITS THAT ARE SUBJECT TO AMENDMENT SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT.
- ALL CONDUIT TRENCHES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 2 F.C.R.
- NBN TO BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- NBN PITS ARE TO BE CLEAR OF PATHS - WITH THE EXCEPTION OF NEMI PARADE (WEST SIDE).
- LOCATION OF ELECTRICITY AND VUF CONDUITS WILL BE PROVIDED ON SEPARATE DRAWINGS.
- CONCRETE IS TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 125mm. DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO A MINIMUM OF 300mm WITHIN THE EDGE OF PATH.

#### VEGETATION:

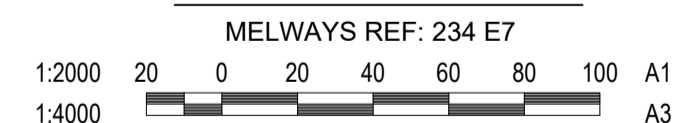
- ALL EXISTING TREES ARE TO BE PROTECTED DURING CONSTRUCTION.
- ANY TREE REMOVAL MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN OR AS DIRECTED ON SITE BY THE LANDSCAPE APPROVALS OFFICER. TREES SHOWN ON THE PLANS ARE TO BE RETAINED AND PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- ALL ROOTS AND DECOMPOSABLE MATERIAL UNDER ROAD PAVEMENTS SHALL BE REMOVED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- NO SURPLUS TREES OR VEGETATION ARE TO BE BURNT ON SITE.

#### STRUCTURAL:

- A BUILDING PERMIT MUST BE OBTAINED FOR ANY STRUCTURE/RETAINING WALL EXCEEDING 1.0m IN HEIGHT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA. COPY OF BUILDING PERMITS AND 'CERTIFICATE F COMPLIANCE-CONSTRUCTION' TO BE SUBMITTED TO COUNCIL PRIOR TO 'STATEMENT OF COMPLIANCE'.
- ALL STRUCTURAL WORK MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.



### LOCALITY PLAN



### NOTE:

THE SITE OF WORKS IS SUBJECT TO THE PROVISIONS OF CULTURAL HERITAGE MANAGEMENT PLAN No.15676. ALL WORKS AND PERSONNEL MUST OBSERVE THE REQUIREMENTS OF THE MANAGEMENT PLAN AT ALL TIMES.

### Sheet List Table

Drawing No.	Drawing Title	Revision
R100	COVER SHEET	AC
R200	LAYOUT PLAN - 1	AC
R201	LAYOUT PLAN - 2	AC
R202	EARTHWORKS PLAN	AC
R203	TYPICAL CROSS SECTIONS	AC
R300	INTERSECTION DETAILS - 1	AC
R301	INTERSECTION DETAILS - 2	AC
R302	INTERSECTION DETAILS - 3	AC
R303	INTERSECTION DETAILS - 4	AC
R400	ROAD LONGITUDINAL SECTIONS - 1	AC
R401	ROAD LONGITUDINAL SECTIONS - 2	AC
R500	ROAD CROSS SECTIONS - 1	AC
R501	ROAD CROSS SECTIONS - 2	AC
R502	ROAD CROSS SECTIONS - 3	AC
R503	ROAD CROSS SECTIONS - 4	AC
R504	ROAD CROSS SECTIONS - 5	AC
R505	ROAD CROSS SECTIONS - 6	AC
R506	ROAD CROSS SECTIONS - 7	AC
R507	ROAD CROSS SECTIONS - 8	AC
R508	ROAD CROSS SECTIONS - 9	AC
R600	DRAINAGE LONGITUDINAL SECTIONS - 1	AC
R601	DRAINAGE LONGITUDINAL SECTIONS - 2	AC
R602	DRAINAGE LONGITUDINAL SECTIONS - 3	AC
R603	DRAINAGE LONGITUDINAL SECTIONS - 4	AC
R604	DRAINAGE LONGITUDINAL SECTIONS - 5	AC
R605	DRAINAGE LONGITUDINAL SECTIONS - 6	AC
R606	DRAINAGE LONGITUDINAL SECTIONS - 7	AC
R607	DRAINAGE LONGITUDINAL SECTIONS - 8	AC
R608	DRAINAGE PIT SCHEDULE - 1	AC
R609	DRAINAGE PIT SCHEDULE - 2	AC
R700	TYPICAL DETAILS - 1	AC
R701	TYPICAL DETAILS - 2	AC
R702	TYPICAL DETAILS - 3	AC
R703	RETAINING WALL DETAILS	AC
R800	SIGNAGE & LINEMARKING PLAN	AC

### WARNING

#### BEWARE OF UNDERGROUND & OVERHEAD SERVICES

THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
2	23/07/23	CULVERT TRENCH DETAIL AMENDED PER GEOTECH ADVICE	M.T.	M.T.	M.T.
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	ISSUED AS PER COUNCIL COMMENTS	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloombsbury Street  
Geelong, VIC, Australia 3220

DRAWING TITLE

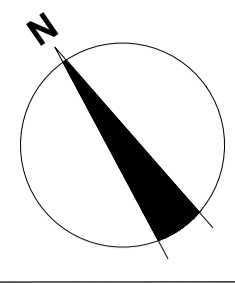
ALAMORA - STAGE 11  
COVER SHEET

STATUS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
1:2000 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R100	AC

SCALE AT A1	DRAWN	DESIGNED
1:2000 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R100	AC



### SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		RECYCLED WATER		POTABLE WATER		OPTIC FIBRE		ELECTRICITY		PUBLIC LIGHTING	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
HOGANS ROAD (NORTH)	N	4.85	N	3.85	N	4.35	N	1.85	N	2.70	N	1.00*
HOGANS ROAD (SOUTH)	S	1.70	S	2.40	S	3.20	S	-	S	-	S	1.00*
PEDRA AVENUE	W	2.10	W	2.60	W	3.10	E	1.80	E	2.45	E	1.00*
BARCELONA WAY	S	2.10	S	2.60	S	3.10	N	1.80	N	2.45	N	1.00*
LOPERA DRIVE	W	2.10	W	2.60	W	3.10	E	1.80	E	2.40	E	1.00*
NEMI PARADE	W	1.80	W	2.30	W	2.80	E	1.80	E	2.60	E	1.00*

1. \* DENOTES OFFSET FROM BACK OF KERB.

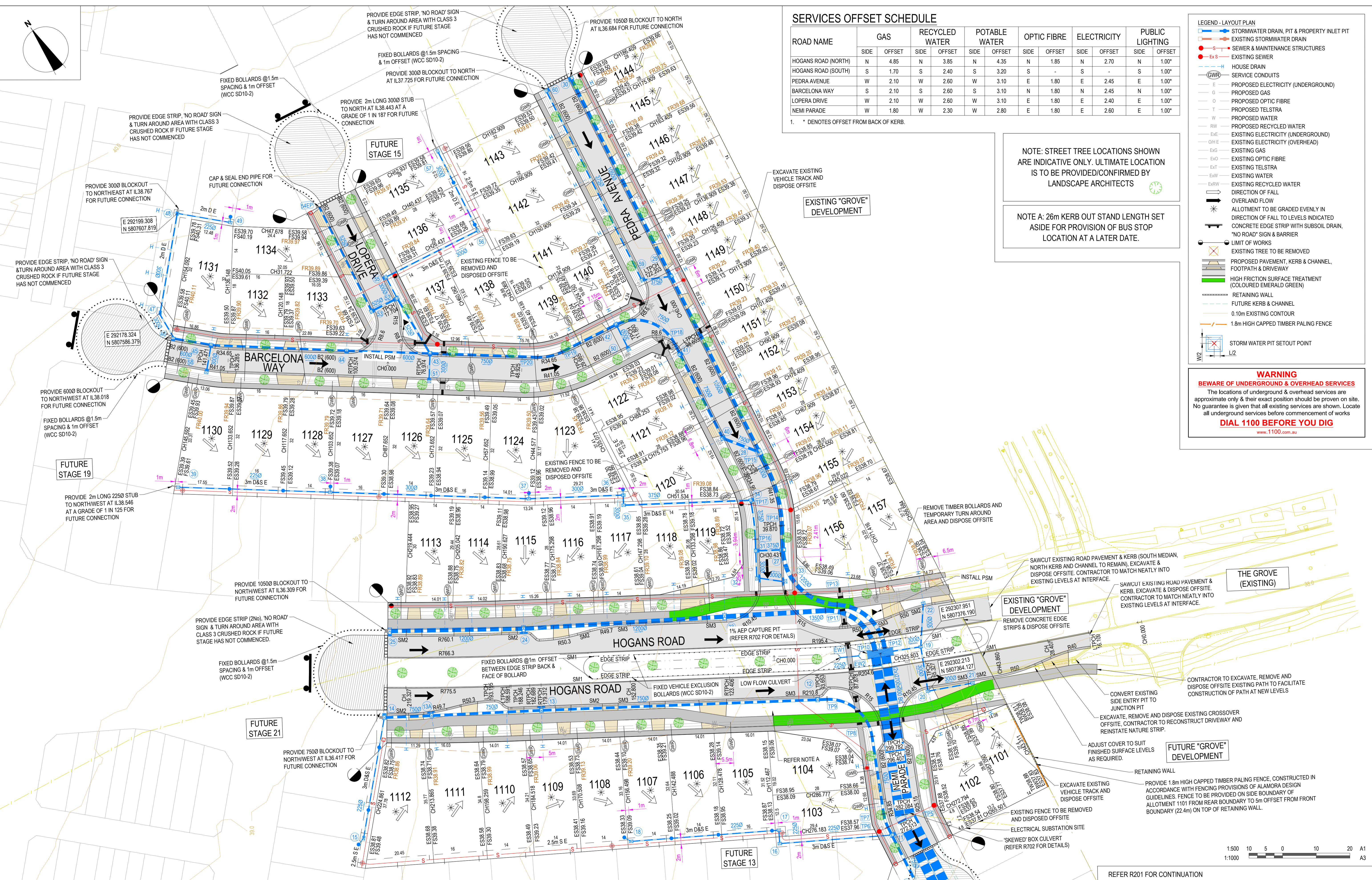
### LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET PIT
- EXISTING STORMWATER DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- HOUSE DRAIN
- SERVICE CONDUITS
- PROPOSED ELECTRICITY (UNDERGROUND)
- PROPOSED GAS
- PROPOSED OPTIC FIBRE
- PROPOSED TELSTRA
- PROPOSED WATER
- PROPOSED RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- HIGH FRICTION SURFACE TREATMENT (COLOURED EMERALD GREEN)
- RETAINING WALL
- FUTURE KERB & CHANNEL
- 0.10m EXISTING CONTOUR
- 1.8m HIGH CAPPED TIMBER PALING FENCE
- STORM WATER PIT SETOUT POINT

NOTE: STREET TREE LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY LANDSCAPE ARCHITECTS

NOTE A: 26m KERB OUT STAND LENGTH SET ASIDE FOR PROVISION OF BUS STOP LOCATION AT A LATER DATE.

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
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B	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
C	02/11/22	NEMI PDE & PEDRA AVE KERB ALIGNMENT AMENDED	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

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creo CONSULTANTS

Suite 1, 2 Bloombsbury Street  
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 11**  
LAYOUT PLAN - 1

STATUS

**AS CONSTRUCTED**

SCALE AT A1

1:500 @ A1	DRAWN	C.ROHDE	DESIGNED	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE		
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022		

PROJECT No.

**200282.11**

DRAWING No.

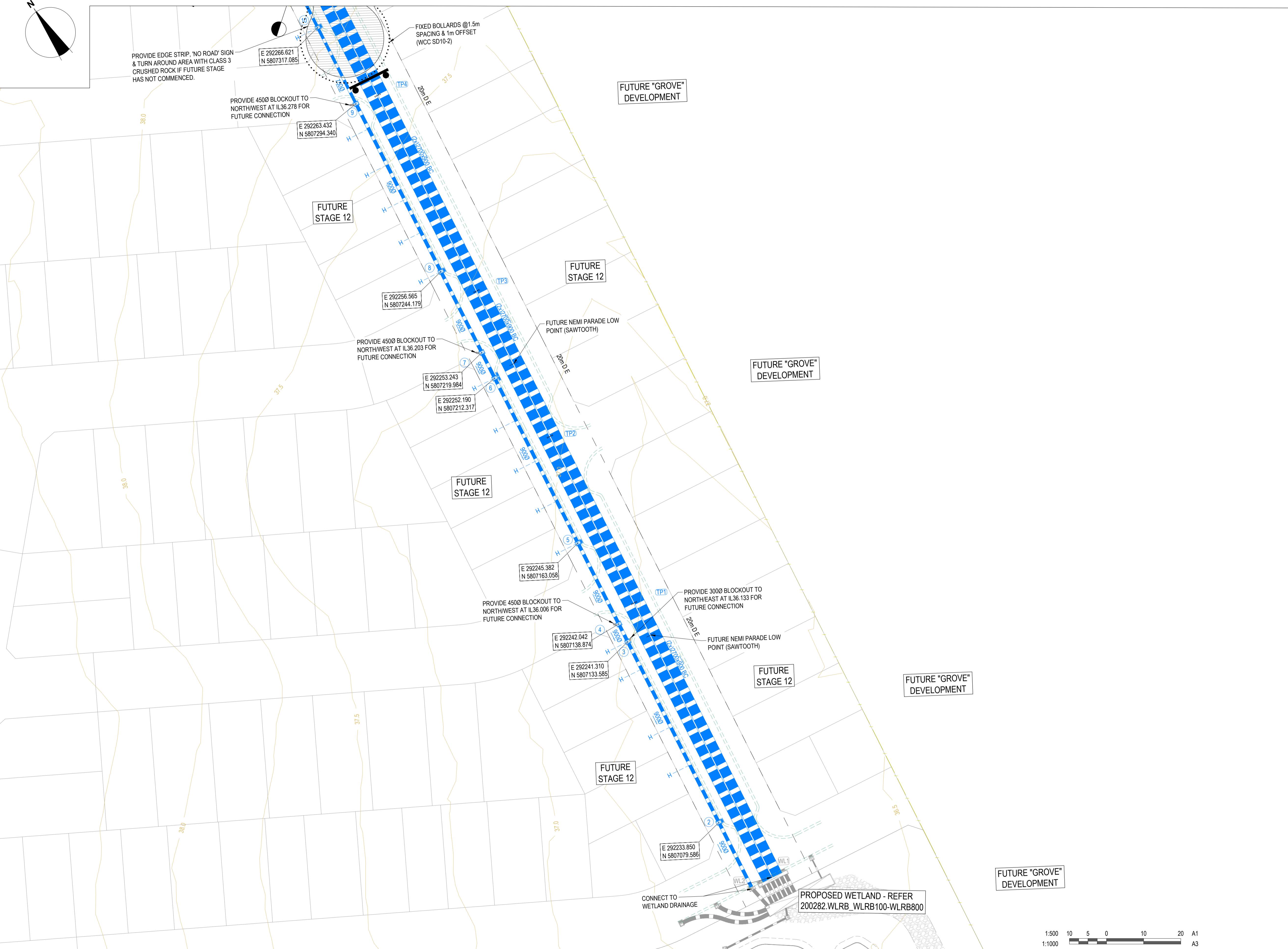
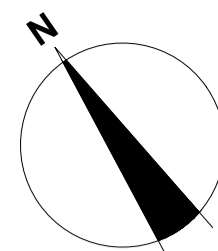
**R200**

REVISION

**AC**

REFER R201 FOR CONTINUATION

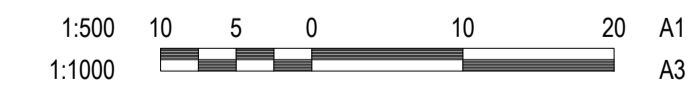
FOR CONTINUATION REFER SHEET R200



**LEGEND - LAYOUT PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET PIT
- EXISTING STORMWATER DRAIN
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Communities Designed for Living

**PROJECT**

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**DRAWING TITLE**

**ALAMORA**  
Tarnait

**DRAWING TITLE**

**ALAMORA - STAGE 11  
LAYOUT PLAN - 2**

**STATUS**

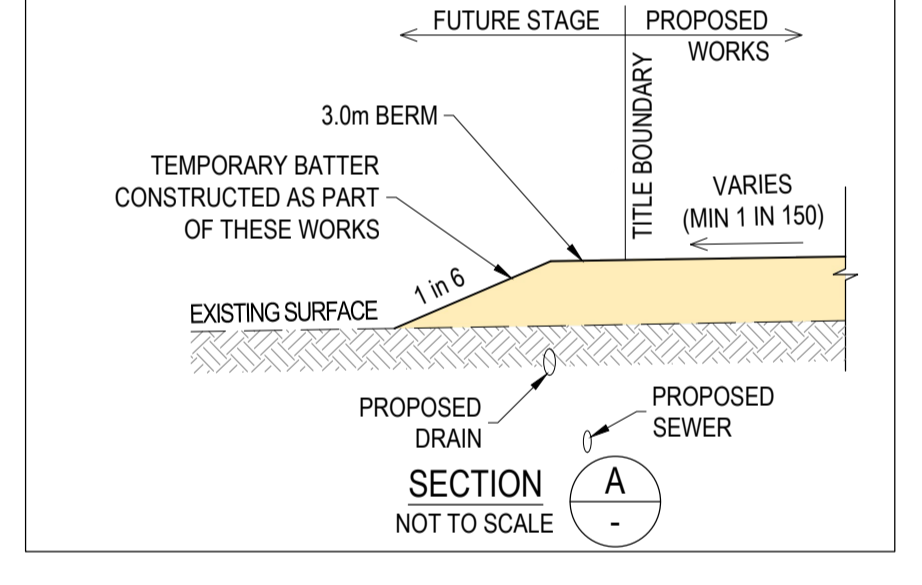
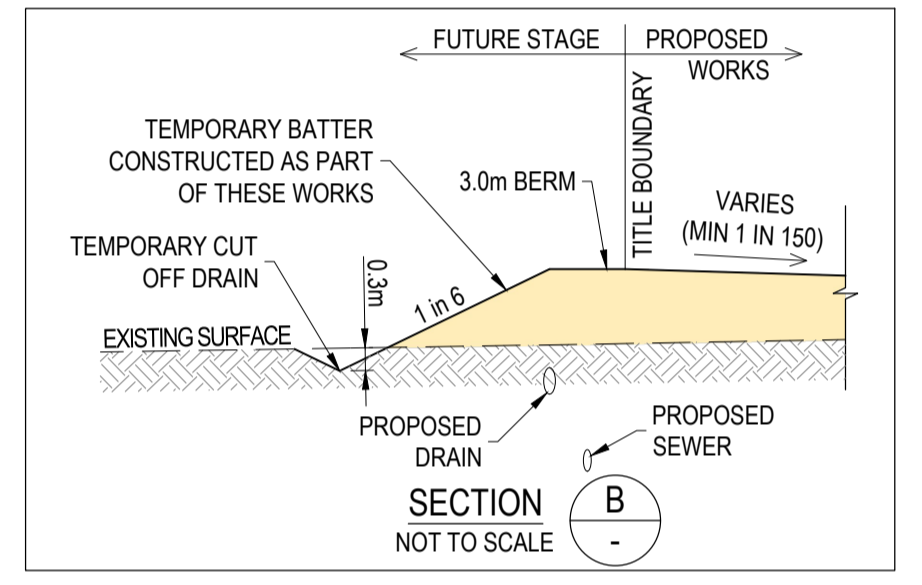
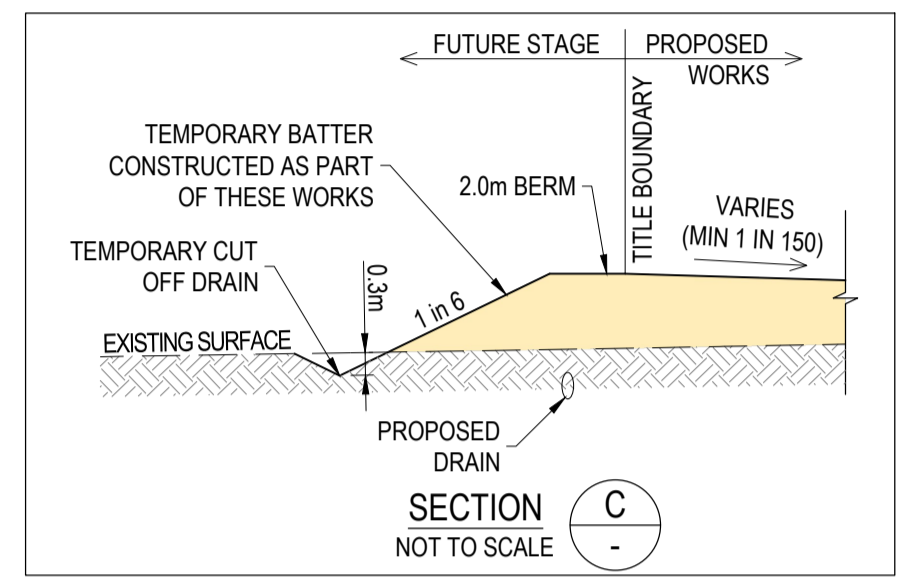
**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R201</b>	<b>AC</b>



**LEGEND - EARTHWORKS PLAN**

- RIDGE LINE
- TOE OF BATTER
- SWALE DRAIN
- ES141.34 EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- BW140.35 BOTTOM OF RETAINING WALL LEVEL
- TW157.40 TOP OF RETAINING WALL LEVEL
- EXISTING STRUCTURAL FILL > 200mm DEEP
- STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- RETAINING WALL
- 0.10m CONTOUR



**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PLAN RESUBMISSION FOR APPROVAL	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

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Geelong, VIC, Australia 3220

PROJECT

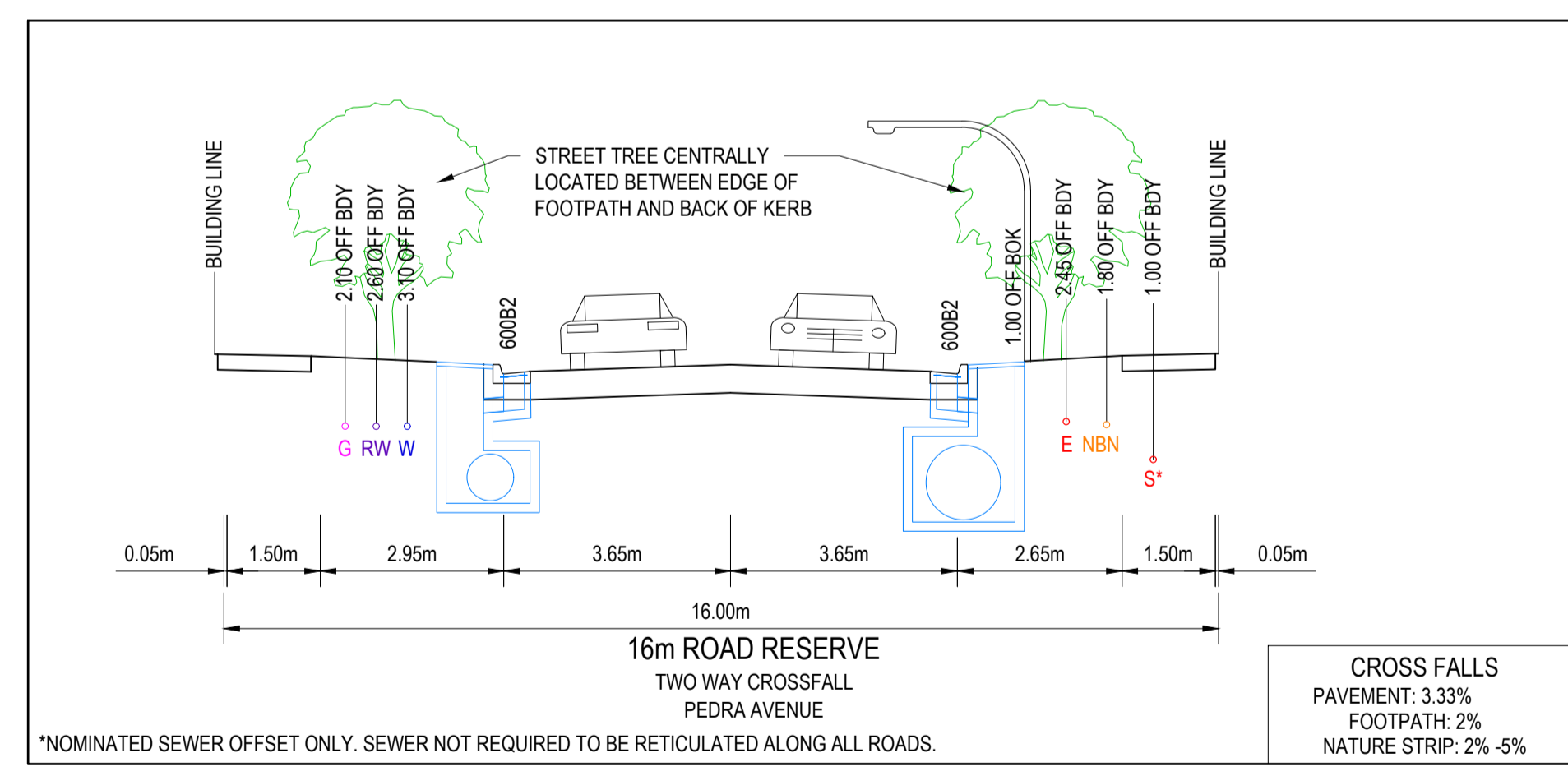
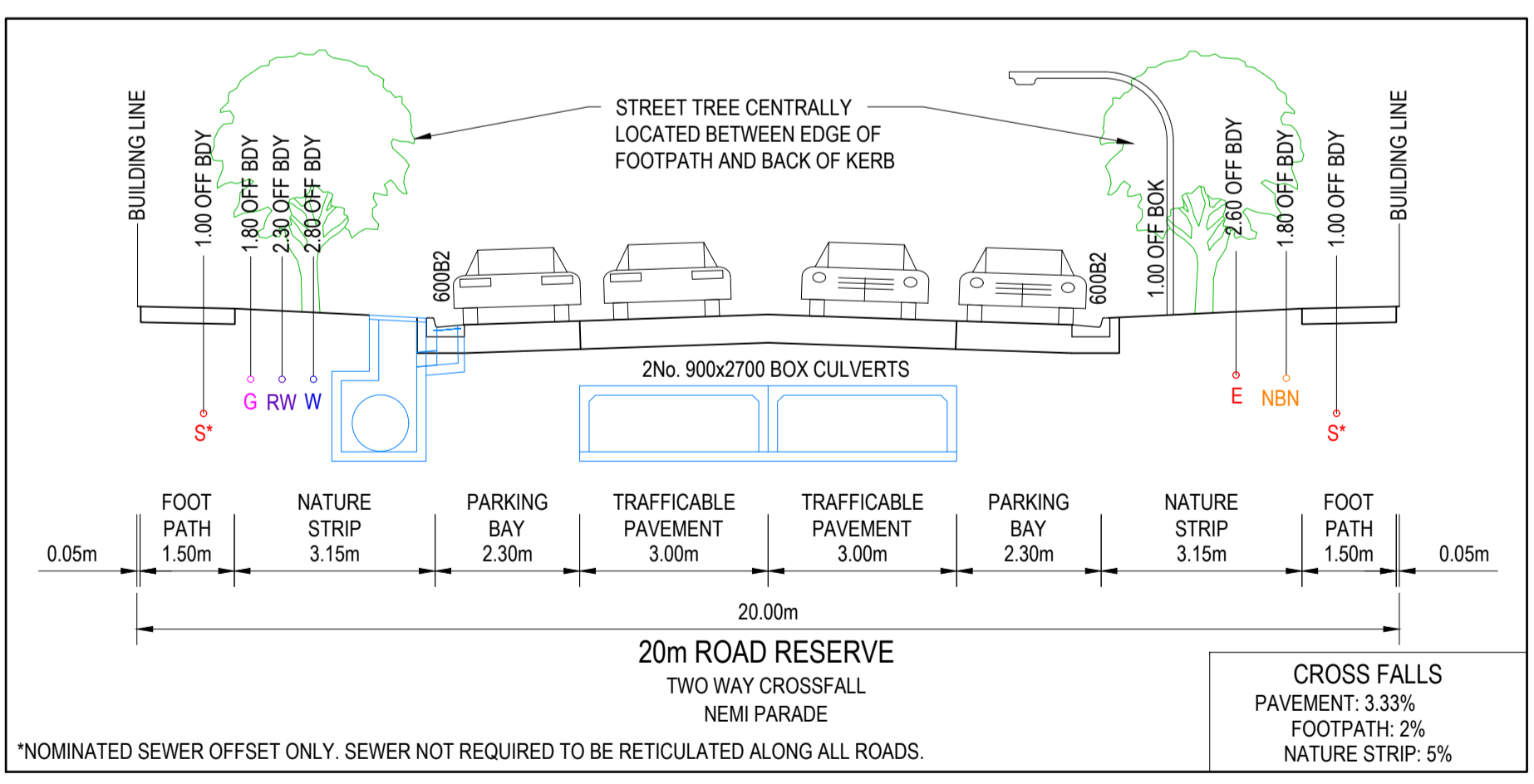
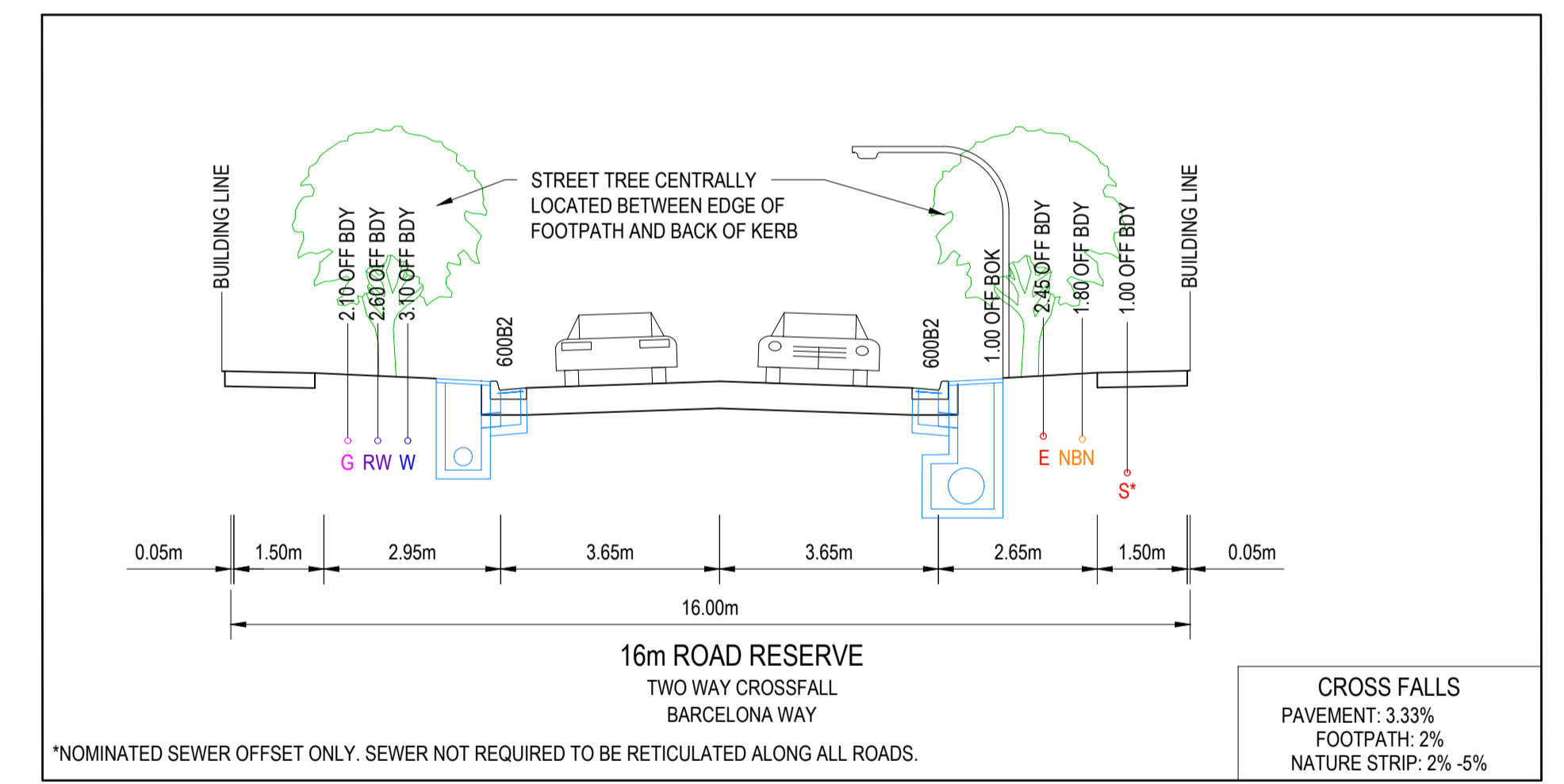
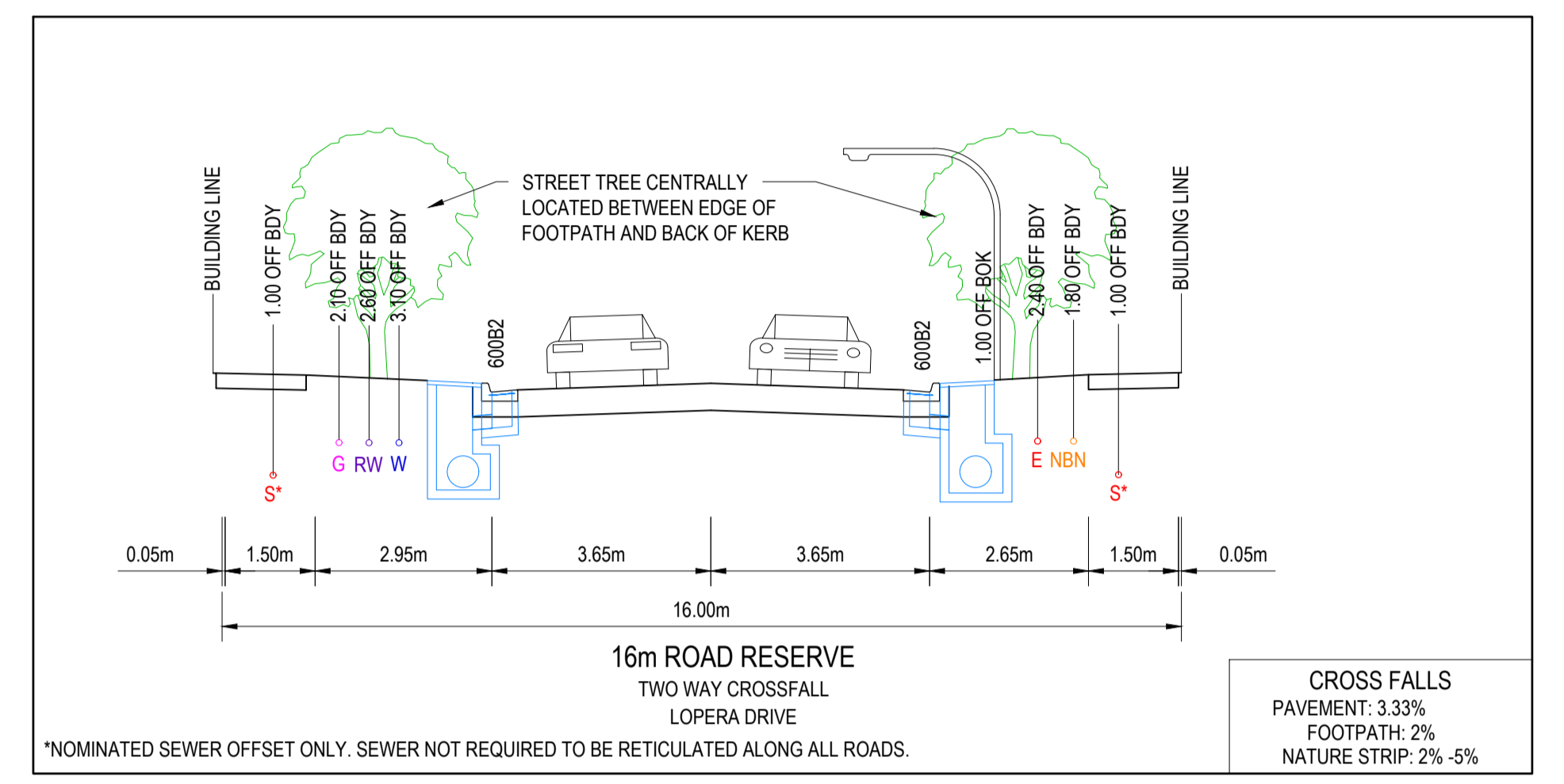
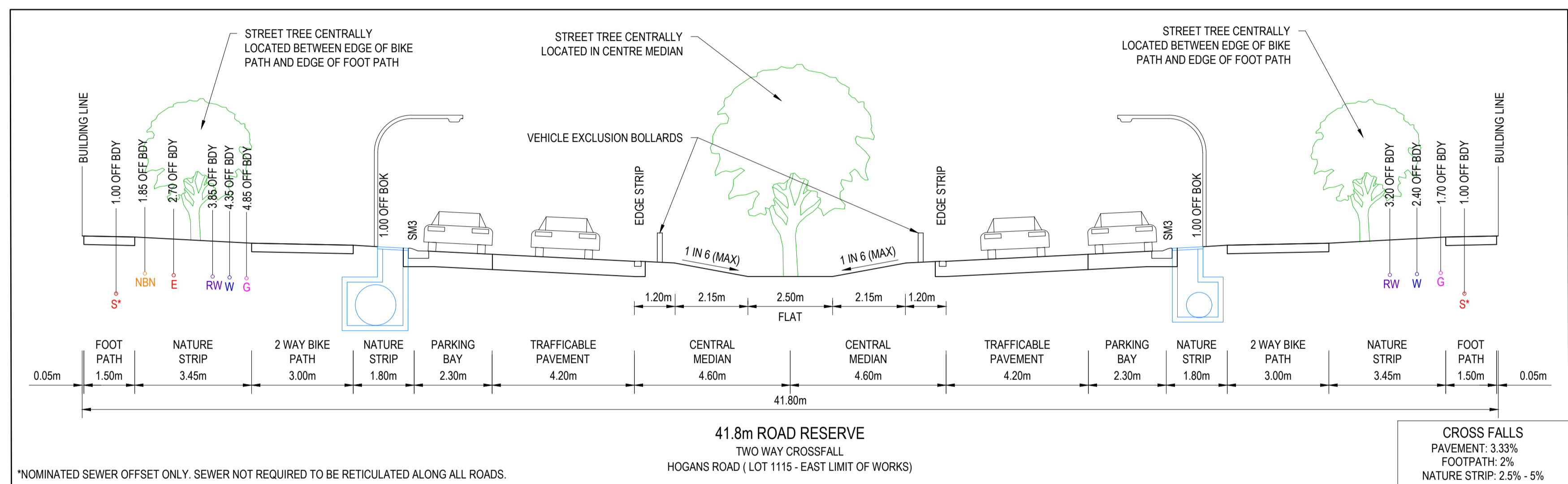
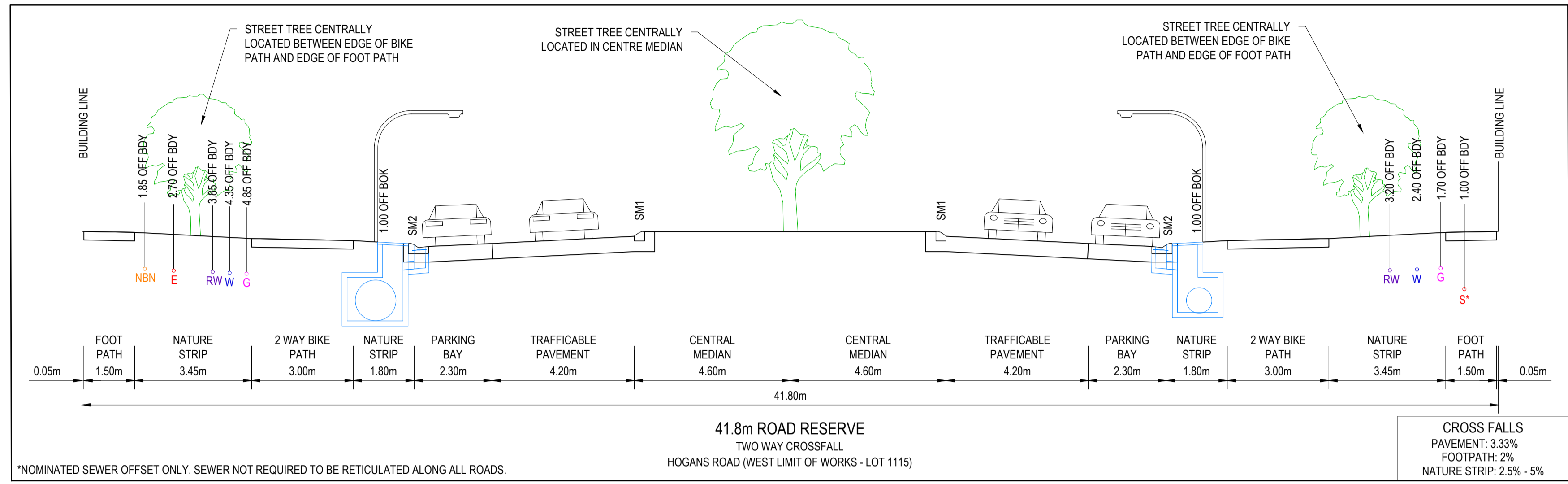
DRAWING TITLE

**ALAMORA - STAGE 11  
EARTHWORKS PLAN**

STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R202</b>	<b>AC</b>



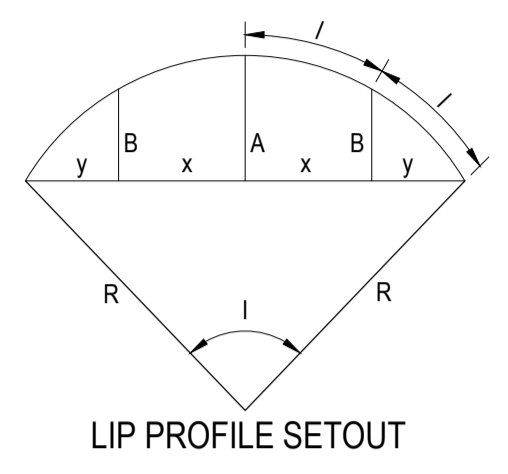
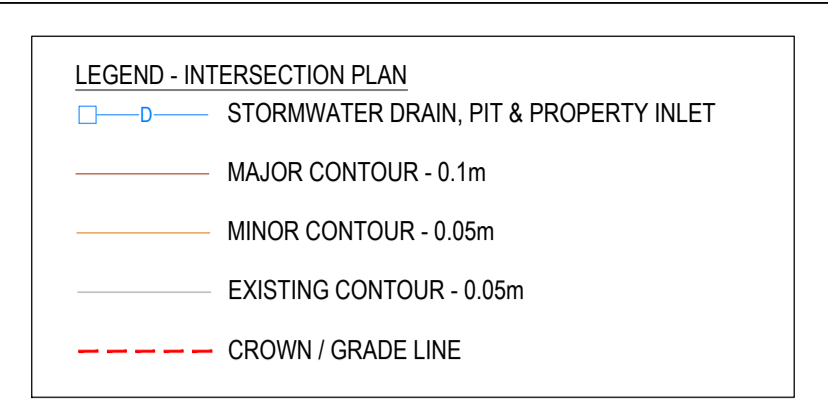
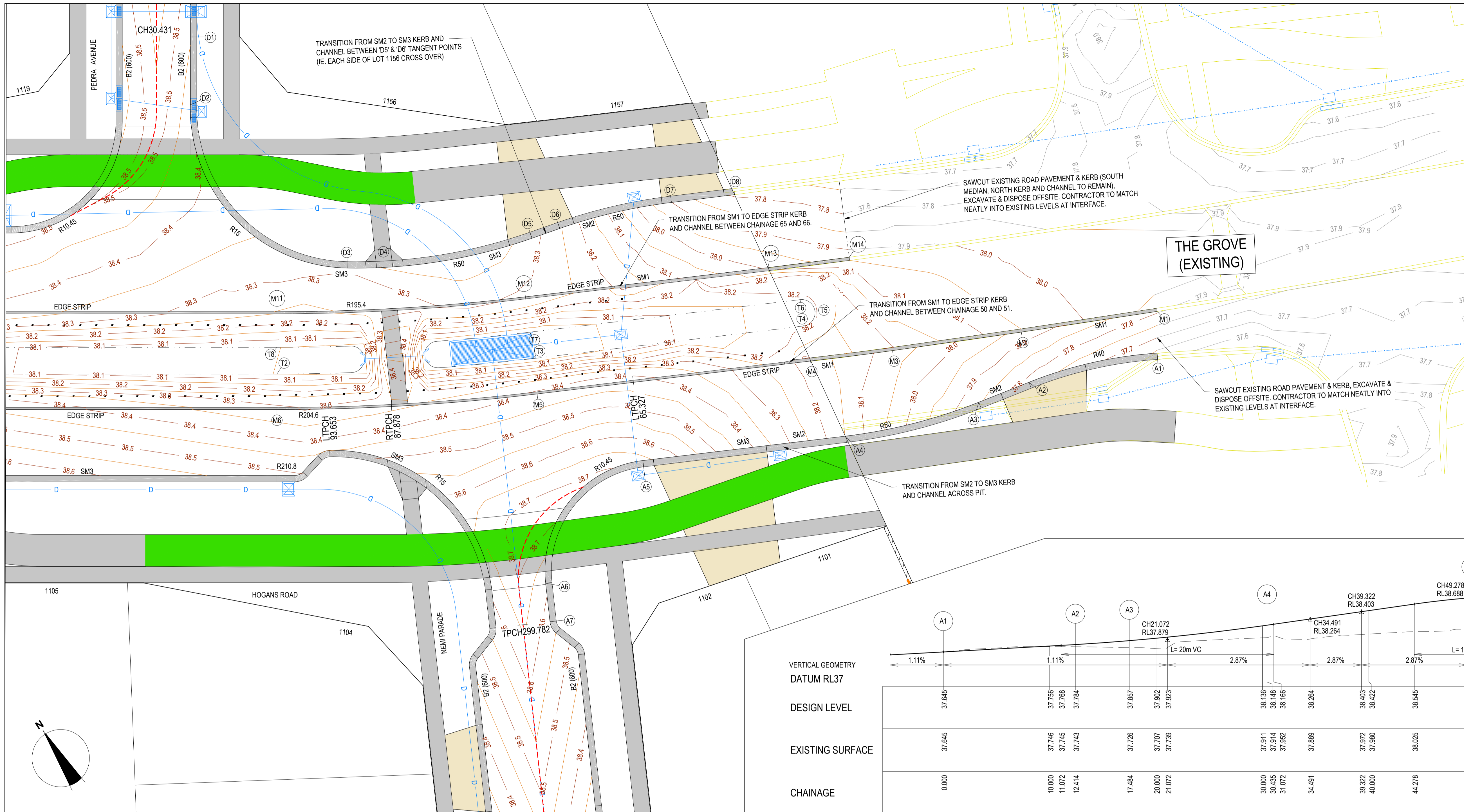
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
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A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.



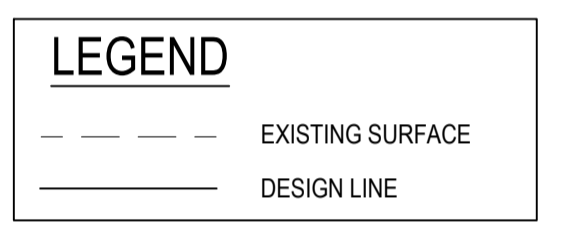
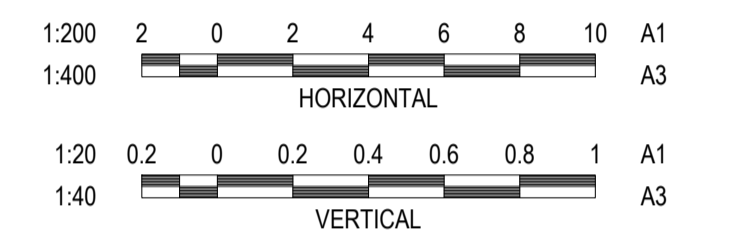
DRAWING TITLE  
**ALAMORA - STAGE 11  
TYPICAL CROSS SECTIONS**

STATUS  
**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
NTS	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R203</b>	<b>AC</b>



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HOGANS ROAD INTERSECTIONS - 1



ALIGNMENT A

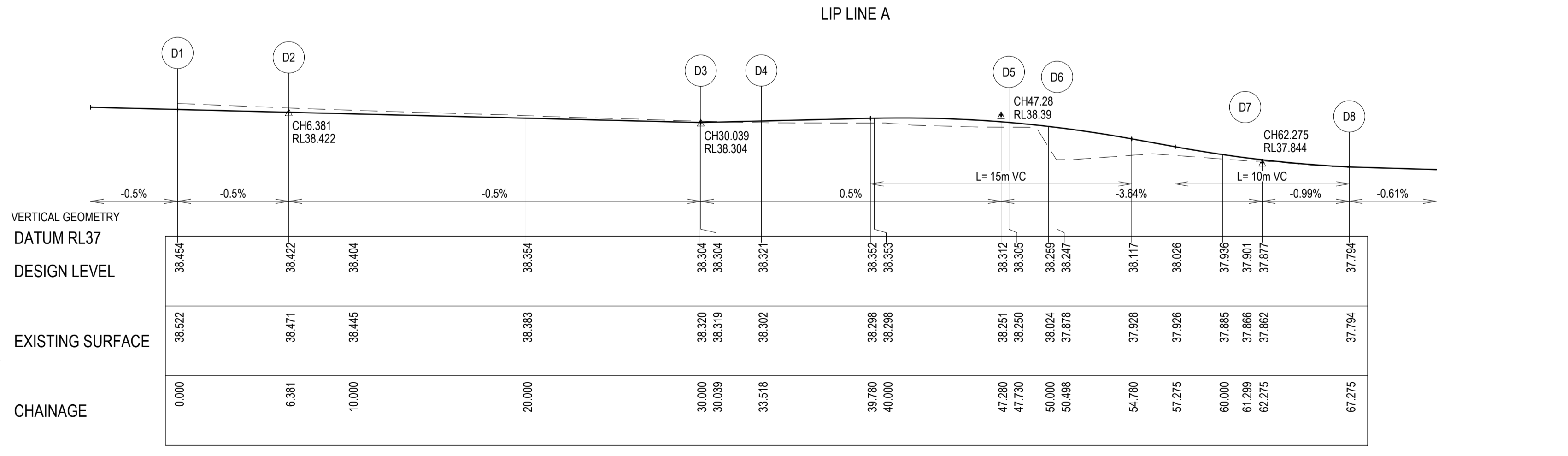
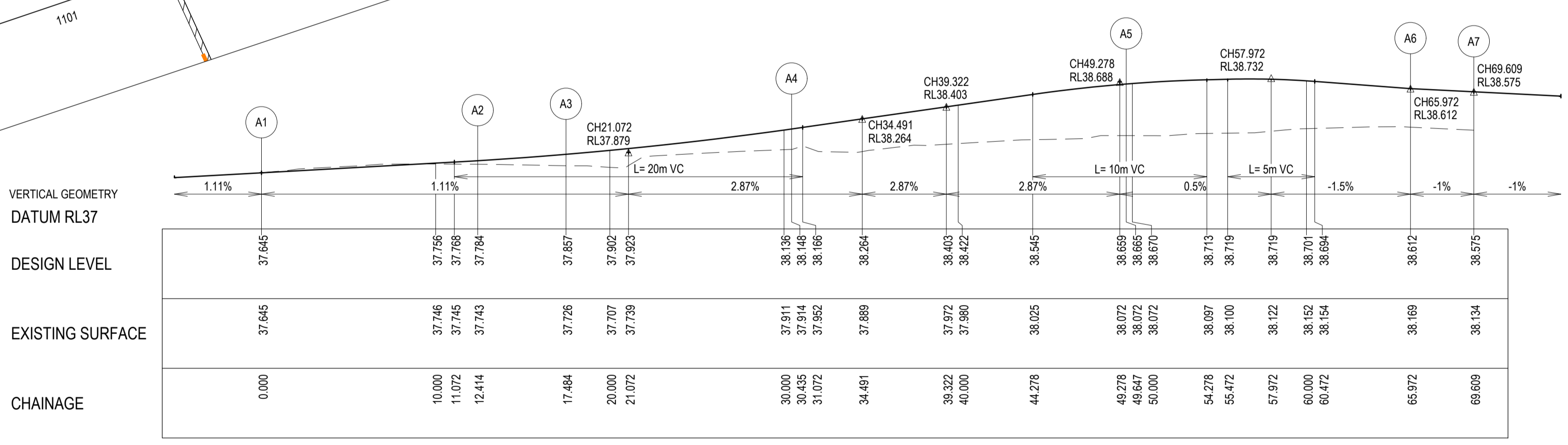
PT NO	EASTING	NORTHING	RL
A1	292349.564	5807347.667	37.645
A2	292337.919	5807351.821	37.784
A3	292332.937	5807352.765	37.857
A4	292320.666	5807356.79	38.148
A5	292303.337	5807365.085	38.665
A6	292289.438	5807360.253	38.612
A7	292287.84	5807356.986	38.575

ALIGNMENT D

Point no	Easting	Northing	RL
D1	292288.798	5807421.513	38.454
D2	292285.376	5807416.128	38.422
D3	292289.586	5807395.266	38.304
D4	292292.555	5807393.453	38.321
D5	292305.753	5807388.311	38.305
D6	292308.449	5807387.685	38.247
D7	292318.621	5807384.113	37.901
D8	292324.020	5807381.552	37.794

CURVE NO	I	RAD.	ARC A	B	X	Y	I	MID POINT RL	
A1 - A2	17.781	40	12.414	0.481	0.36	3.1	3.082	3.103	37.714
A3 - A4	14.841	50	12.951	0.419	0.314	3.235	3.222	3.238	37.984
A5 - A6	89.505	10.45	16.325	3.029	2.242	3.978	3.379	4.081	38.72

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D2 - D3	90.329	15.006	23.658	4.426	3.275	5.763	4.879	5.915	38.363
D3 - D4	3.987	50.000	3.479	0.030	0.023	0.870	0.869	0.870	38.312
D4 - D5	16.286	50.000	14.212	0.504	0.378	3.550	3.532	3.553	38.356
D6 - D7	12.309	50.277	10.802	0.290	0.217	2.699	2.691	2.700	38.076



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	LIP PROFILE D AMENDED	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

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PROJECT

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Geelong, VIC, Australia 3220

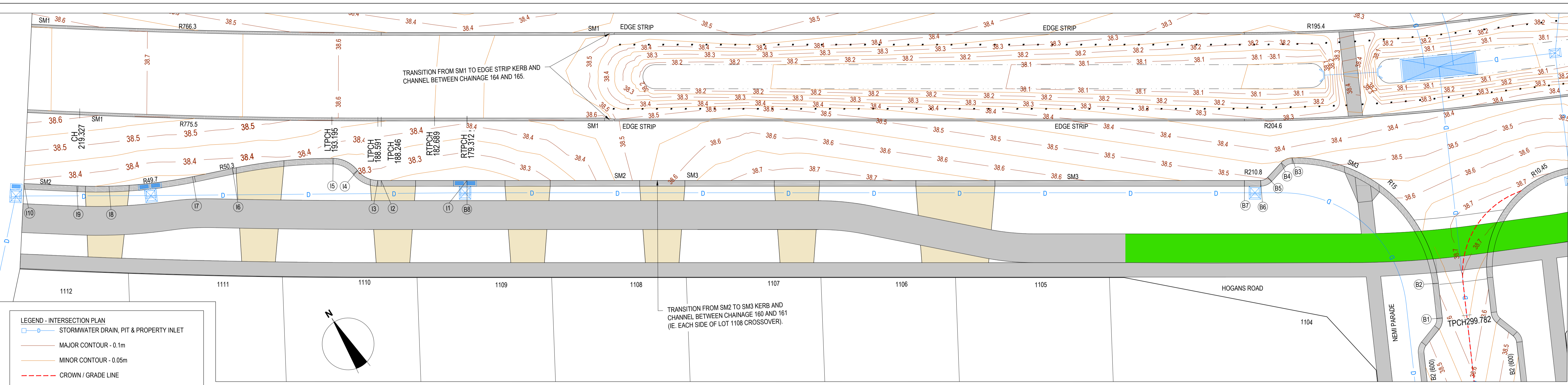
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**ALAMORA - STAGE 11  
INTERSECTION DETAILS - 1**

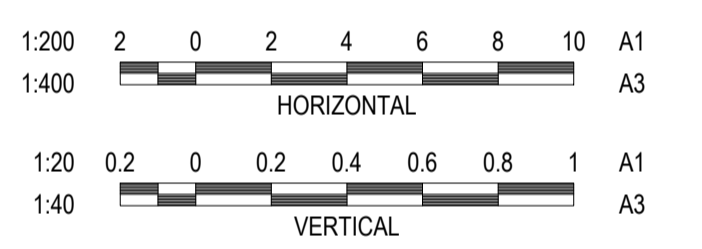
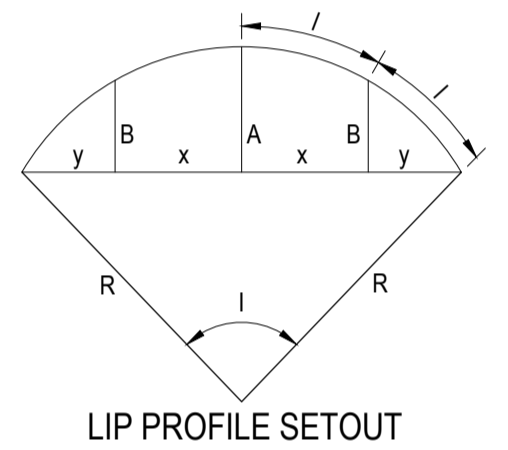
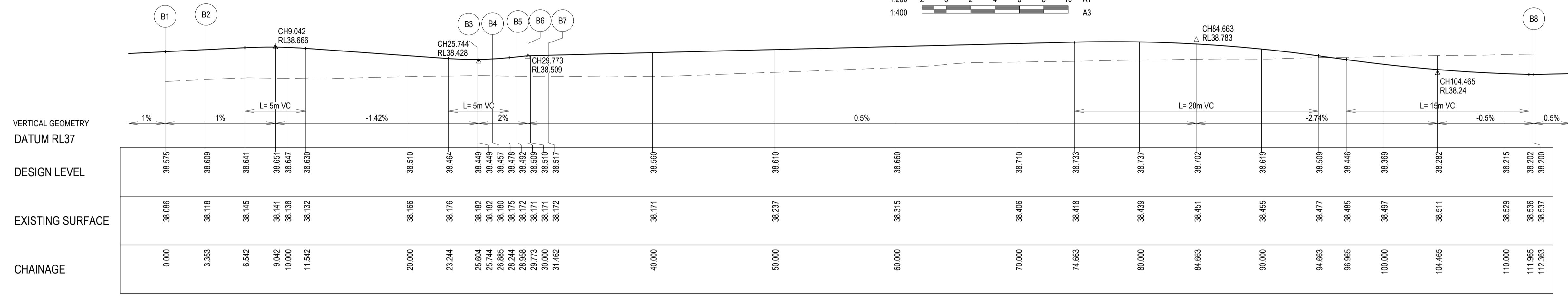
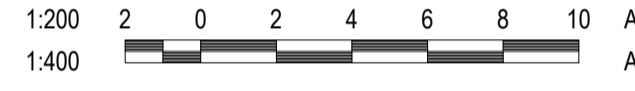
STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R300</b>	<b>AC</b>



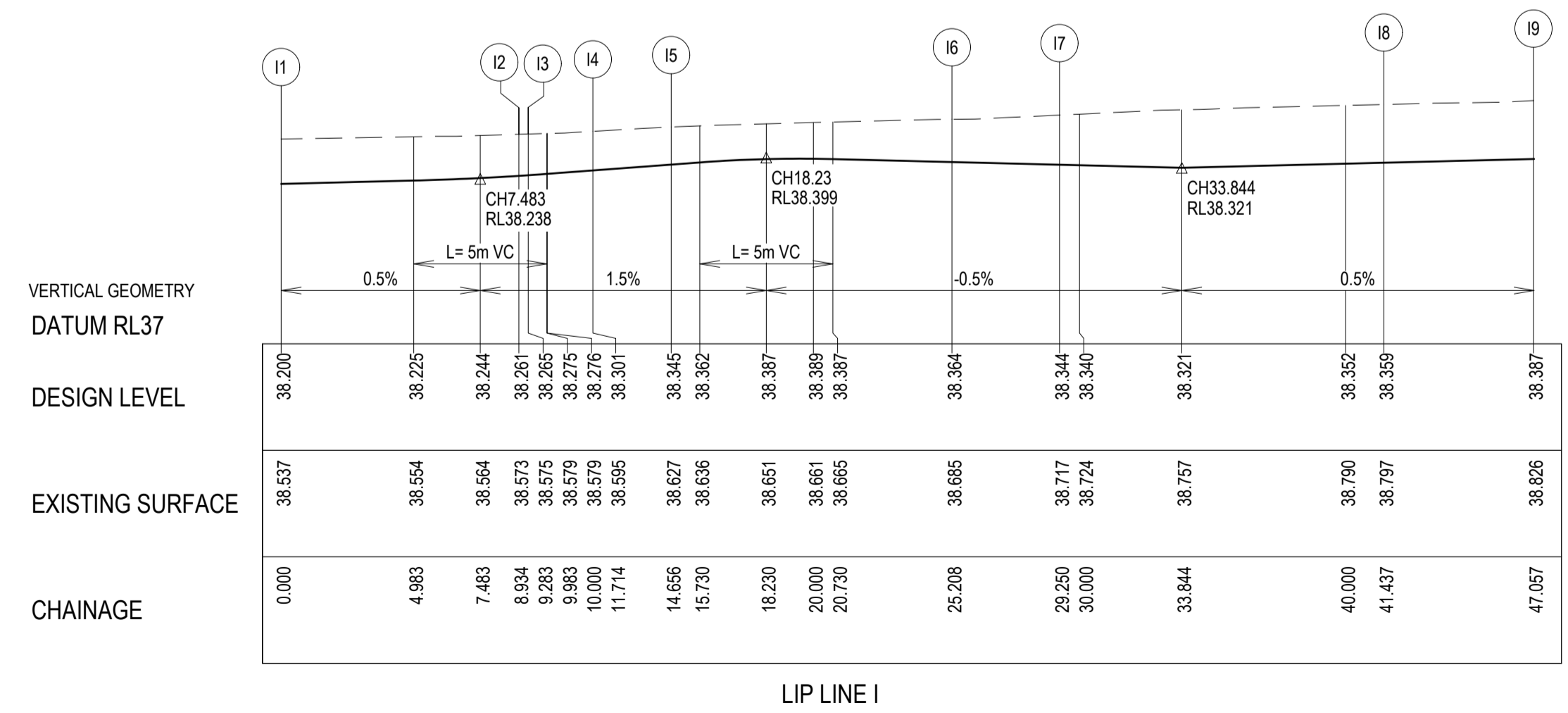
HOGANS ROAD INTERSECTIONS - 2



**LEGEND**

- EXISTING SURFACE
- DESIGN LINE

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**Alignment B**

Point no	Easting	Northing	RL
B1	292283.259	5807359.227	38.575
B2	292284.732	5807362.239	38.609
B3	292279.003	5807381.679	38.449
B4	292277.768	5807381.857	38.457
B5	292275.764	5807381.330	38.492
B6	292274.980	5807381.449	38.509
B7	292273.551	5807382.349	38.517
B8	292205.278	5807425.750	38.200

Alignment I

Point no	Easting	Northing	RL
I1	292205.278	5807425.750	38.200
I2	292197.739	5807430.544	38.261
I3	292197.444	5807430.732	38.265
I4	292196.224	5807432.739	38.301
I5	292194.756	5807435.177	38.345
I6	292185.348	5807439.912	38.364
I7	292181.566	5807441.341	38.344
I8	292170.807	5807446.997	38.359
I9	292166.200	5807450.218	38.387

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
I2 - I3	0.032	620.105	0.350	0.000	0.000	0.087	0.087	0.087	38.263
I3 - I4	51.580	2.700	2.431	0.269	0.201	0.603	0.572	0.608	38.283
I4 - I5	51.081	3.300	2.942	0.322	0.241	0.729	0.693	0.736	38.323
I5 - I6	12.019	50.300	10.552	0.276	0.207	2.637	2.629	2.638	38.389
I7 - I8	14.049	49.700	12.186	0.373	0.280	3.045	3.033	3.047	38.329

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	LIP PROFILE B AMENDED	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

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Geelong, VIC, Australia 3220

**PROJECT**

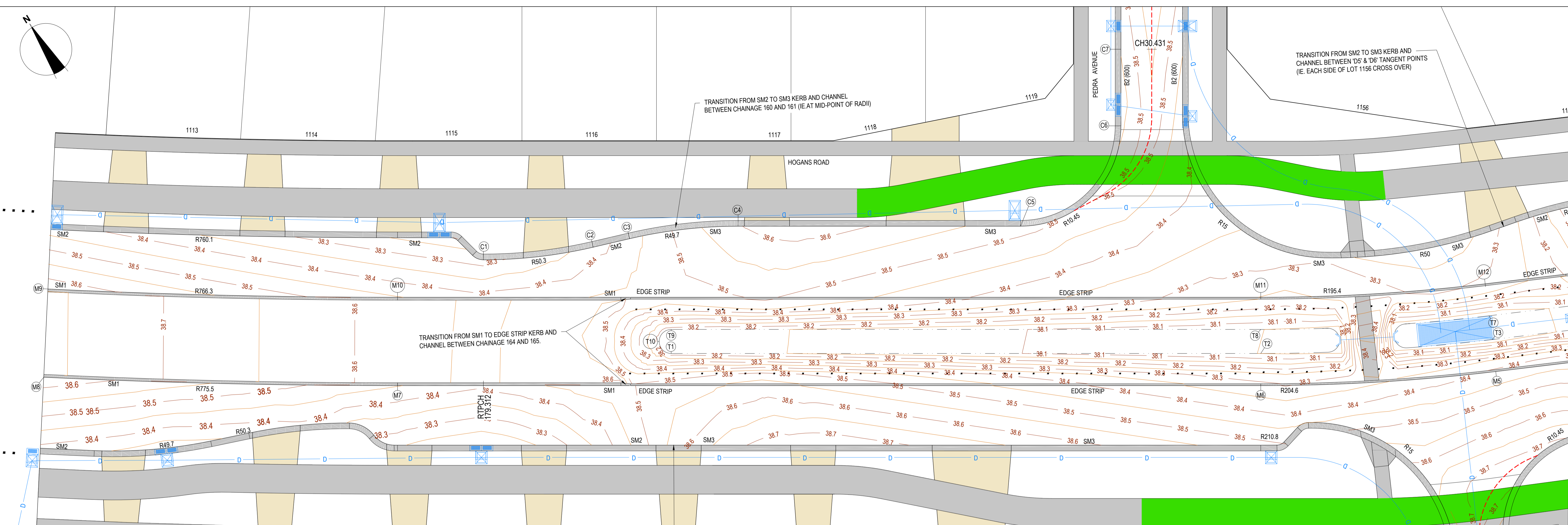
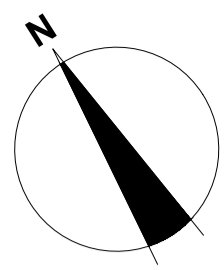
**DRAWING TITLE**

ALAMORA - STAGE 11  
INTERSECTION DETAILS - 2

**STATUS**

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R301	AC



**ALIGNMENT C**

PT NO	EASTING	NORTHING	RL
C1	292215.633	5807442.039	38.278
C2	292225.984	5807437.017	38.368
C3	292229.656	5807435.731	38.421
C4	292239.884	5807430.769	38.594
C5	292264.69	5807414.999	38.521
C6	292279.115	5807418.212	38.439
C7	292283.397	5807424.947	38.454

**LEGEND - INTERSECTION PLAN**

- - STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- - - CROWN / GRADE LINE

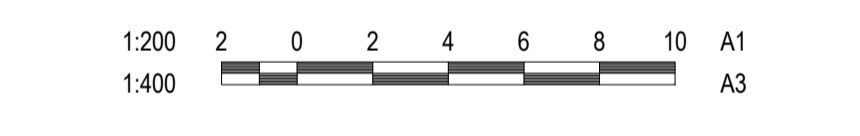
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT	RL
C1 - C2	13.134	50.3	11.53	0.33	0.247	2.881	2.872	2.883	38.311	
C3 - C4	13.134	49.7	11.393	0.326	0.245	2.847	2.837	2.848	38.516	
C5 - C6	90	10.45	16.415	3.061	2.265	3.999	3.39	4.104	38.48	

**ALIGNMENT M**

PT NO	EASTING	NORTHING	RL
M1	292351.663	5807350.976	37.807
M2	292339.844	5807356.182	37.933
M3	292328.691	5807361.211	38.078
M4	292321.661	5807364.518	38.175
M5	292298.305	5807375.698	38.404
M6	292276.877	5807387.581	38.31
M7	292201.066	5807435.776	38.453
M8	292170.462	5807456.267	38.637
M9	292175.761	5807463.788	38.636
M10	292206.001	5807443.54	38.453
M11	292281.813	5807395.345	38.249
M12	292302.277	5807383.996	38.288
M13	292322.997	5807374.079	37.994
M14	292329.968	5807370.802	

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT	RL
M5 - M6	6.866	204.6	24.517	0.367	0.275	6.128	6.123	6.129	38.344	
M7 - M8	2.721	775.5	36.833	0.219	0.164	9.208	9.207	9.208	38.545	
M9 - M10	2.721	766.3	36.396	0.216	0.162	9.099	9.098	9.099	38.544	
M11 - M12	6.866	195.4	23.415	0.351	0.263	5.853	5.848	5.854	38.283	

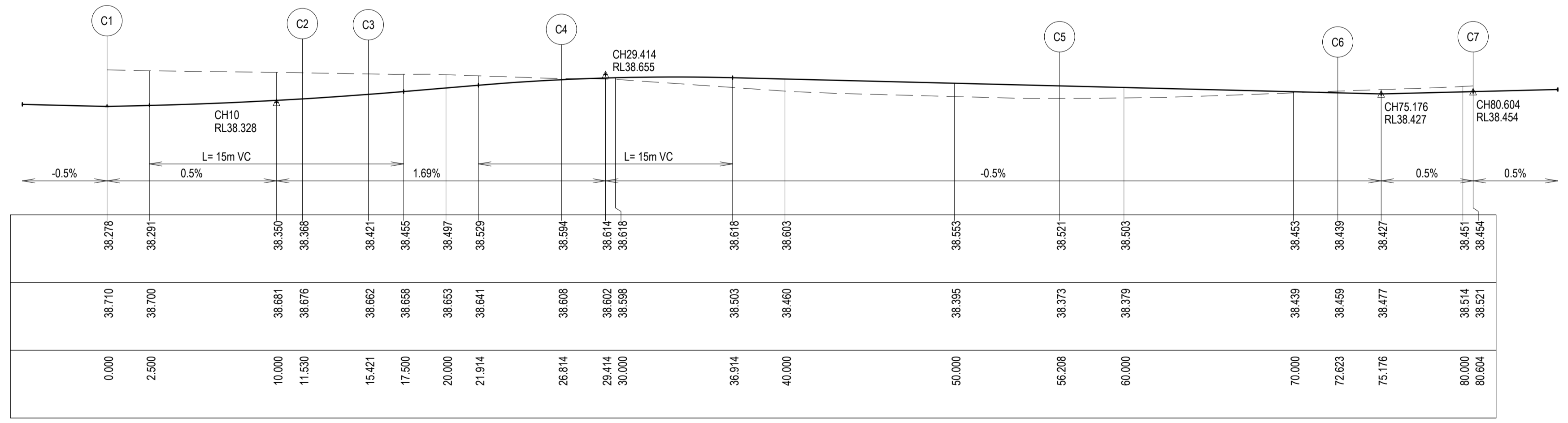
**HOGANS ROAD INTERSECTIONS - 3**



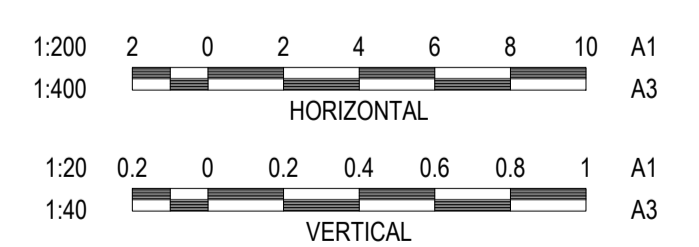
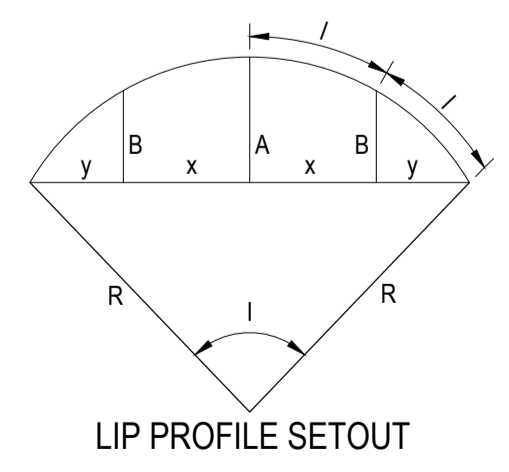
**ALIGNMENT T**

PT NO	EASTING	NORTHING	RL
T1	292226.899	5807423.323	38.175
T2	292278.674	5807390.409	38.049
T3	292299.751	5807378.72	38
T4	292322.854	5807367.661	38.19
T5	292324.525	5807368.257	38.195
T6	292323.934	5807369.916	38.19
T7	292300.831	5807380.975	38
T8	292280.016	5807392.518	38.052
T9	292228.24	5807425.433	38.175
T10	292226.515	5807425.048	38.18

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT	RL
T2 - T3	6.866	201.25	24.116	0.361	0.271	6.028	6.023	6.029	38.025	
T4 - T5	90.407	1.25	1.972	0.369	0.273	0.48	0.407	0.493	38.193	
T5 - T6	89.593	1.25	1.955	0.363	0.269	0.476	0.404	0.489	38.192	
T7 - T8	6.866	198.75	23.816	0.357	0.267	5.953	5.948	5.954	38.028	
T9 - T10	90	1.25	1.963	0.366	0.271	0.478	0.406	0.491	38.177	
T10 - T11	90	1.25	1.963	0.366	0.271	0.478	0.406	0.491	38.177	



CHAINAGE	EXISTING SURFACE	DESIGN LEVEL
0.000	38.710	38.279
2.500	38.700	38.291
10.000	38.681	38.350
11.530	38.676	38.368
15.421	38.662	38.421
17.500	38.658	38.455
20.000	38.653	38.497
21.914	38.641	38.529
26.814	38.608	38.594
29.414	38.602	38.614
30.000	38.598	38.618
36.914	38.503	38.618
40.000	38.460	38.603
50.000	38.395	38.553
56.208	38.373	38.521
60.000	38.379	38.503
70.000	38.439	38.453
72.623	38.459	38.439
75.176	38.477	38.427
80.000	38.514	38.451
80.004	38.521	38.454



**LEGEND**

- - - EXISTING SURFACE
- DESIGN LINE

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
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A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

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Communities Designed for Living

**creo CONSULTANTS**

Suite 1, 2 Bloombsbury Street  
Geelong, VIC, Australia 3220

**ALAMORA**  
*Tarnait*

**DRAWING TITLE**

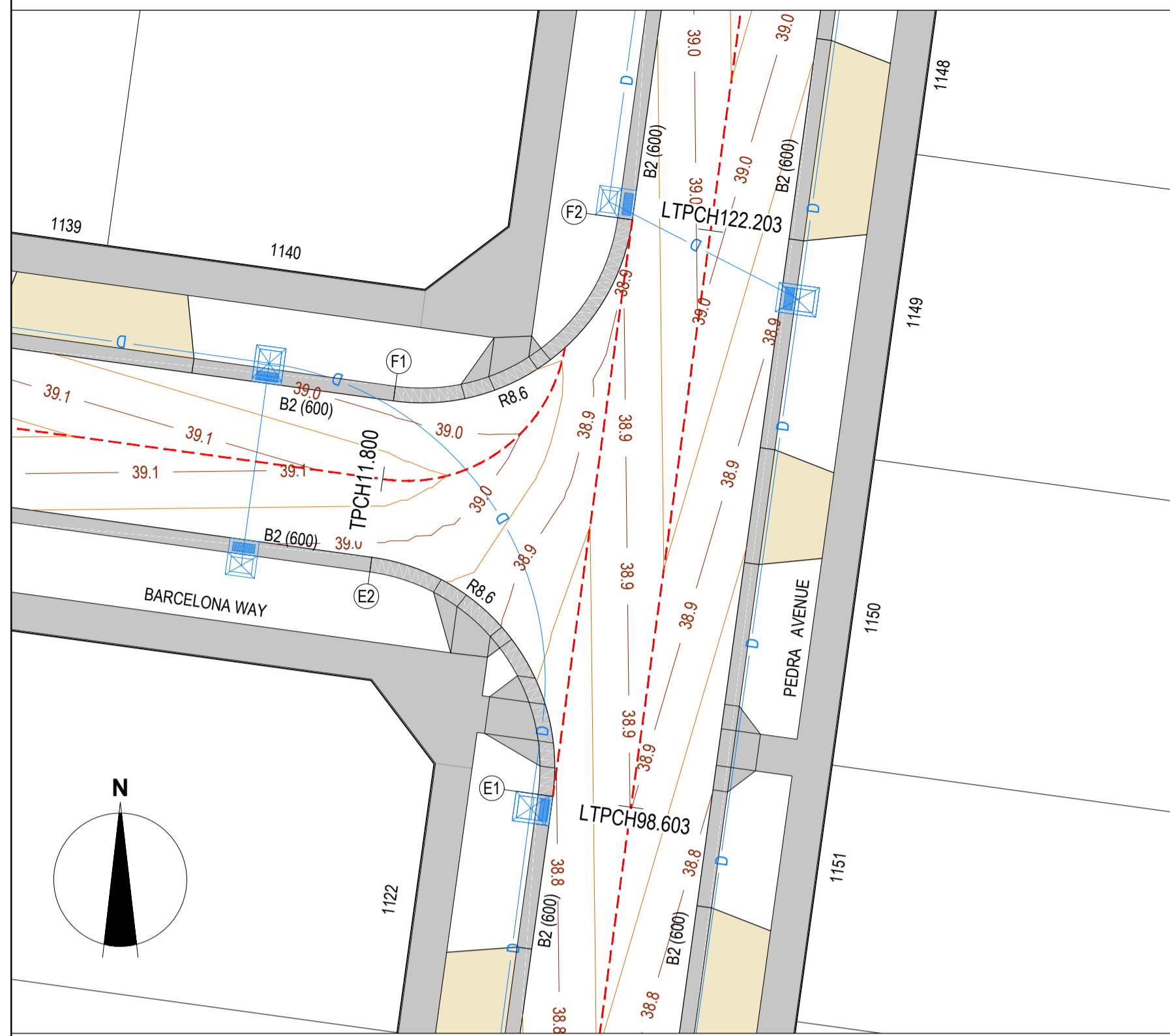
**ALAMORA - STAGE 11  
 INTERSECTION DETAILS - 3**

**STATUS**

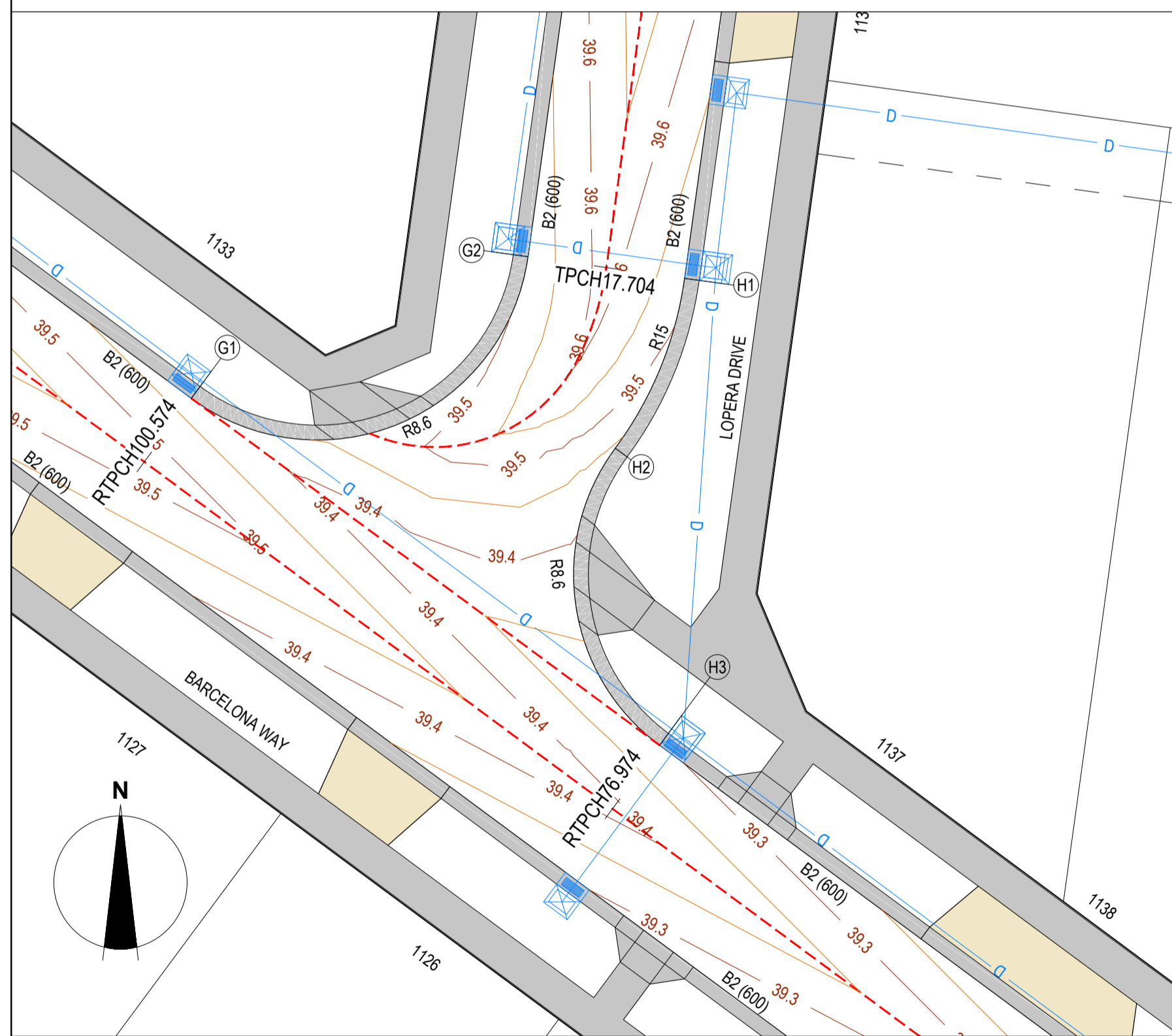
**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.T.ROUNCE	M.T.ROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R302	AC





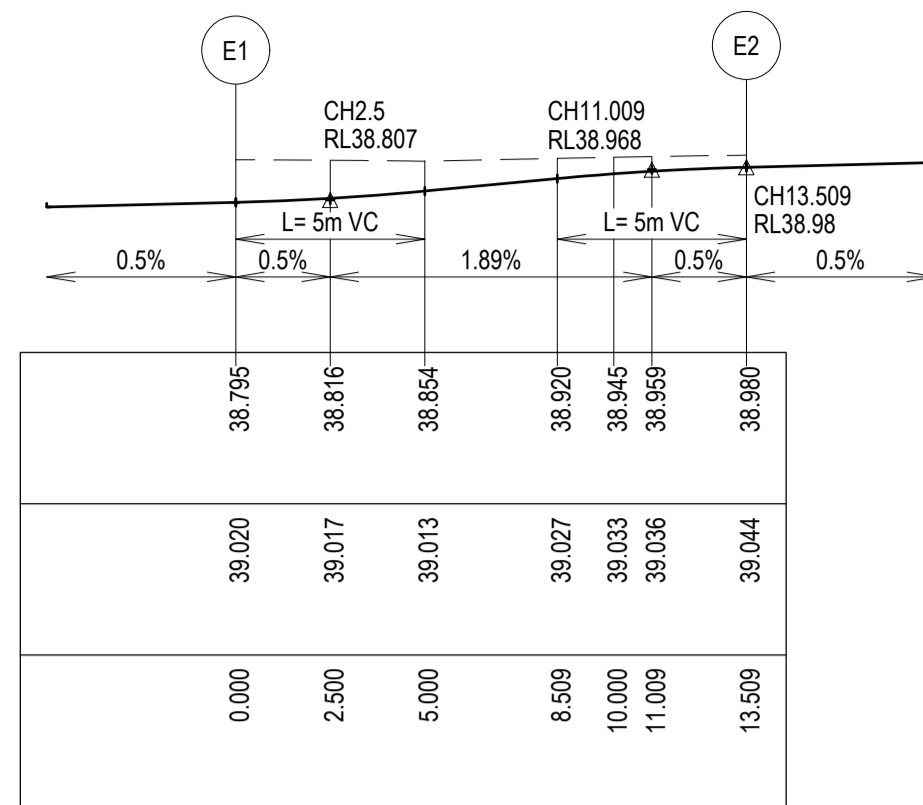
PEDRA AVENUE & BARCELONA WAY INTERSECTION



BARCELONA WAY & LOPERA DRIVE INTERSECTION



VERTICAL GEOMETRY  
DATUM RL38  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



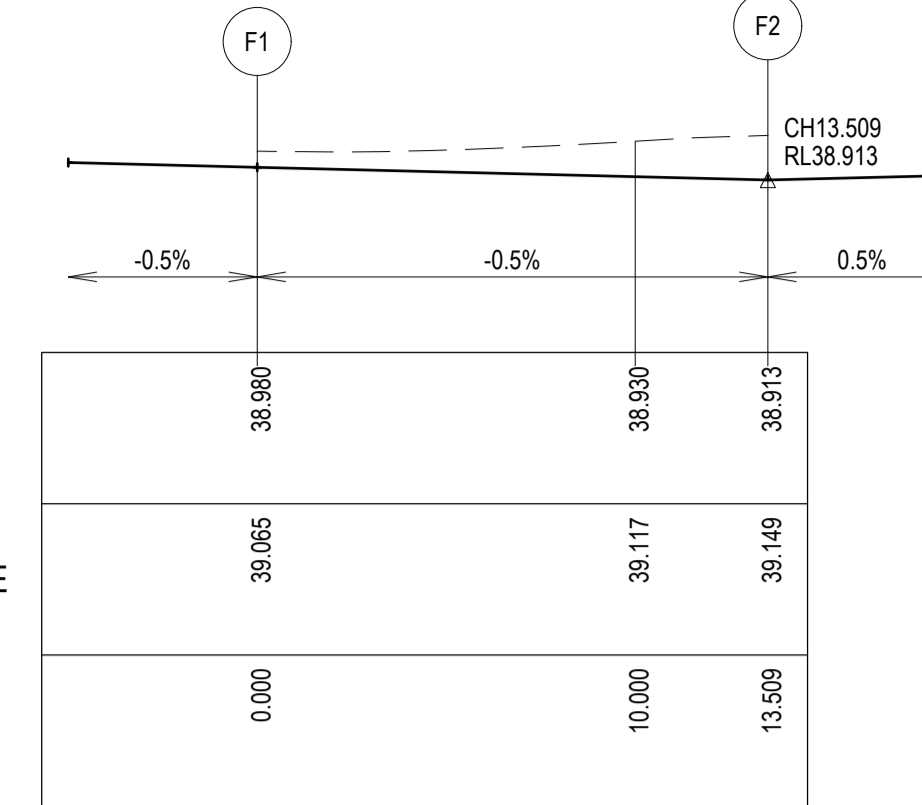
LIP LINE E

ALIGNMENT E

PT NO	EASTING	NORTHING	RL
E1	292299.383	5807488.849	38.795
E2	292292.04	5807498.545	38.98

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
E1 - E2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	38.887

VERTICAL GEOMETRY  
DATUM RL38  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



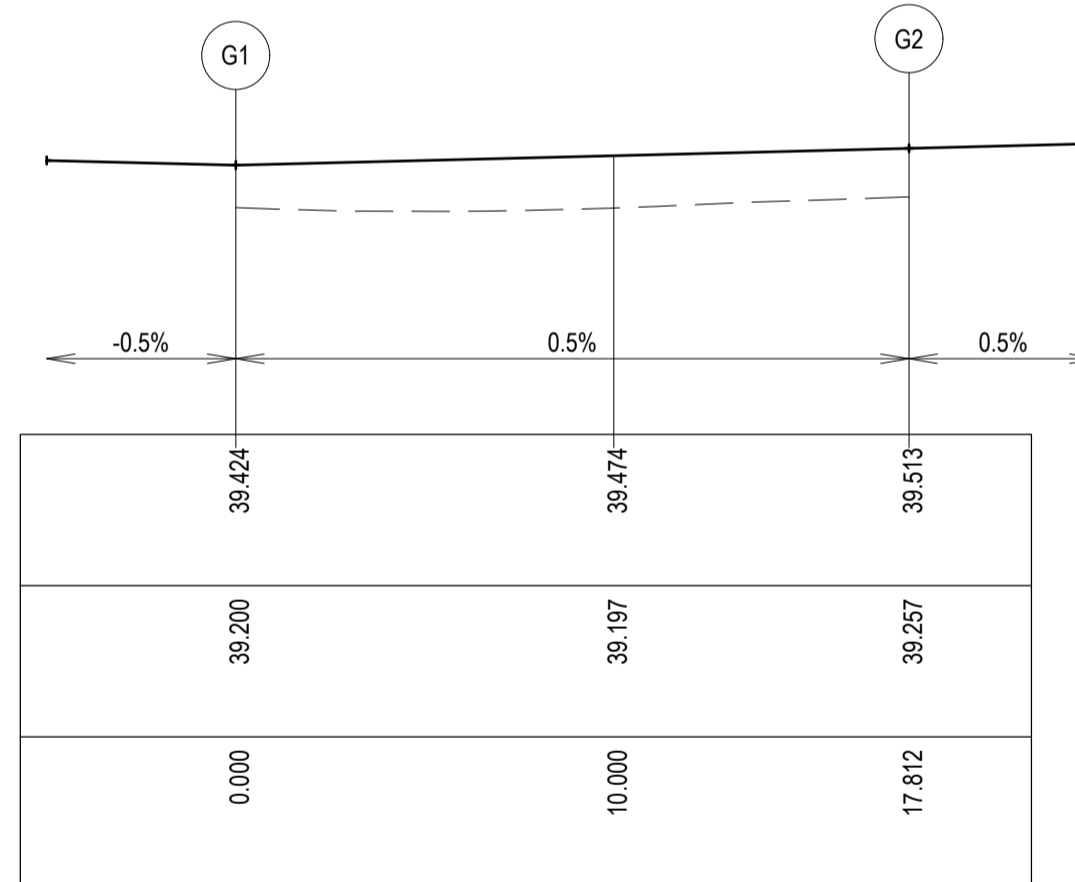
LIP LINE F

ALIGNMENT F

PT NO	EASTING	NORTHING	RL
F1	292292.915	5807504.885	38.98
F2	292302.611	5807512.227	38.913

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
F1 - F2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	38.946

VERTICAL GEOMETRY  
DATUM RL38  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



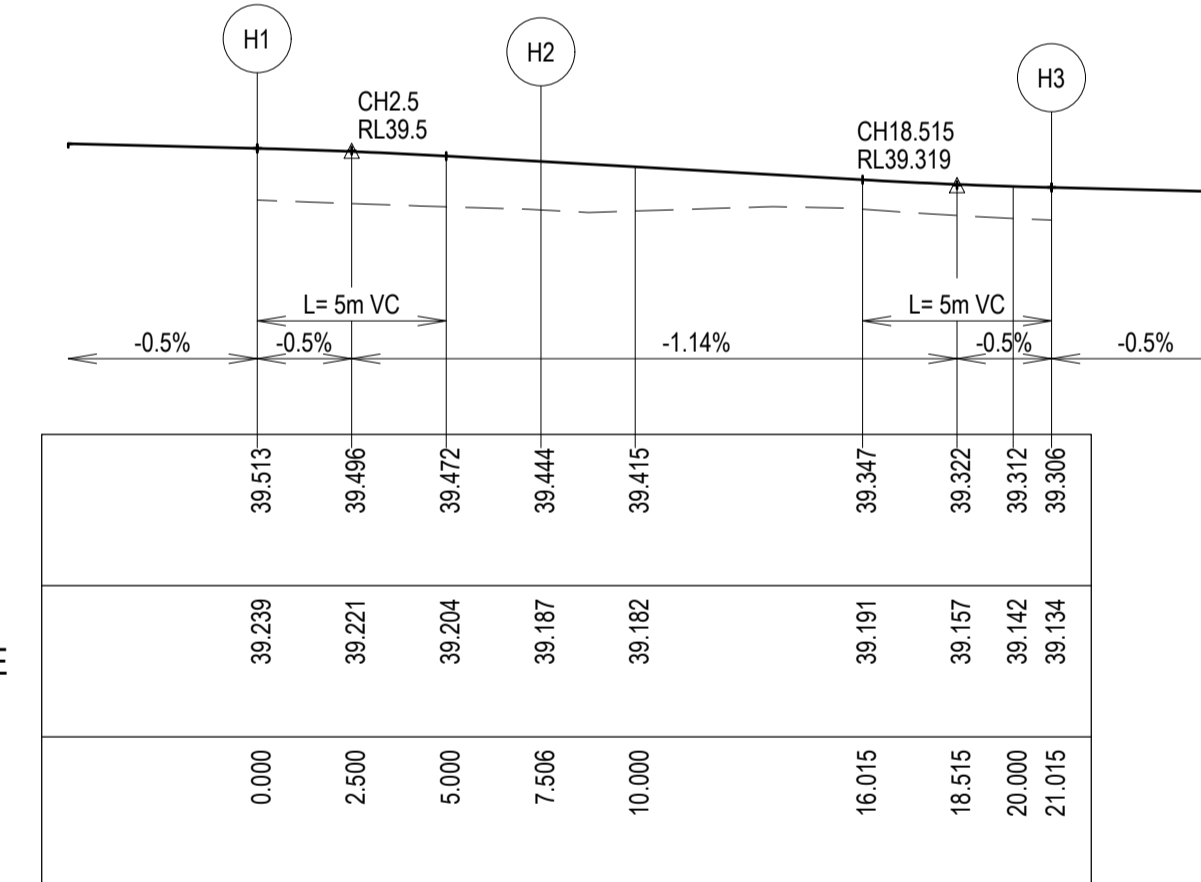
LIP LINE G

ALIGNMENT G

PT NO	EASTING	NORTHING	RL
G1	292217.513	5807544.6	39.424
G2	292231.152	5807550.334	39.513

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
G1 - G2	118.67	8.6	17.812	4.214	3.086	4.257	3.141	4.453	39.469

VERTICAL GEOMETRY  
DATUM RL38  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

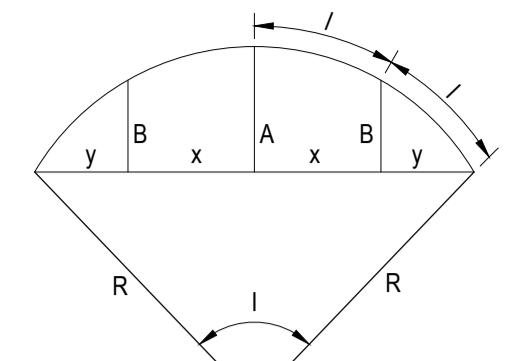


LIP LINE H

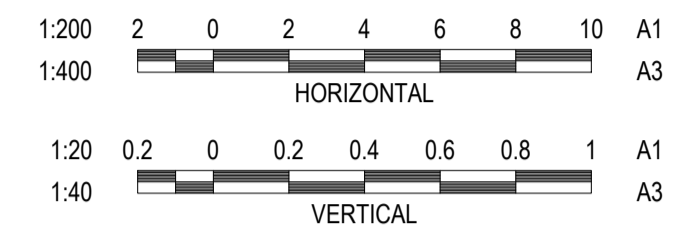
ALIGNMENT H

PT NO	EASTING	NORTHING	RL
H1	292237.492	5807549.458	39.513
H2	292234.686	5807542.581	39.444
H3	292236.476	5807530.552	39.306

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
H1 - H2	28.67	15	7.506	0.467	0.35	1.872	1.842	1.876	39.485
H2 - H3	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	39.367



LIP PROFILE SETOUT



**LEGEND**

- EXISTING SURFACE
- DESIGN LINE

**LEGEND - INTERSECTION PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- CROWN / GRADE LINE

**WARNING**  
**Beware of Underground & Overhead Services**  
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**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PLAN RESUBMISSION FOR APPROVAL	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

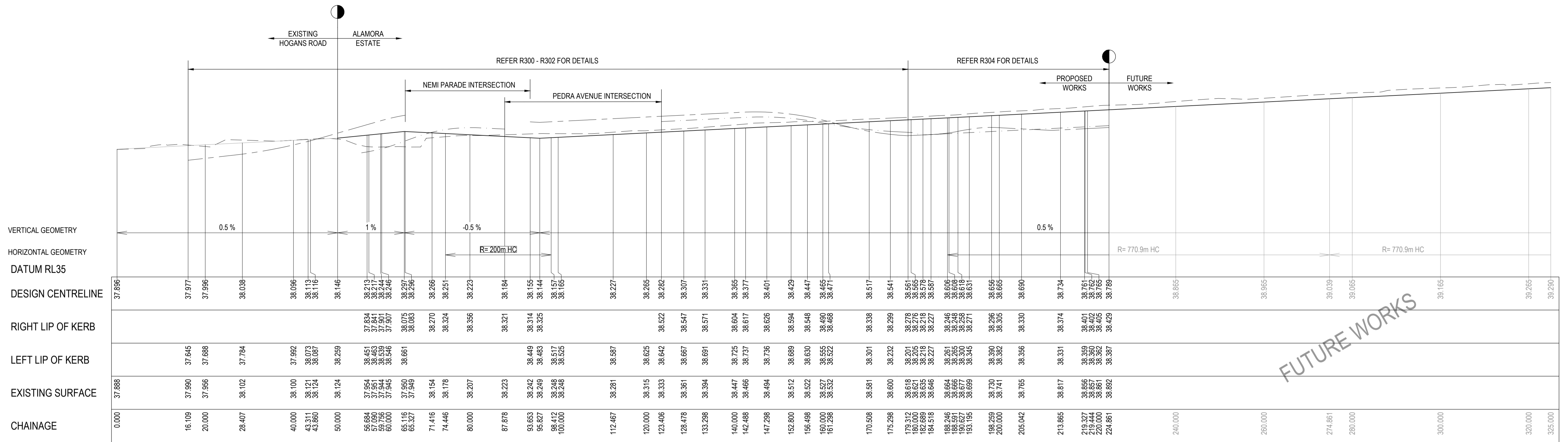
DRAWING TITLE

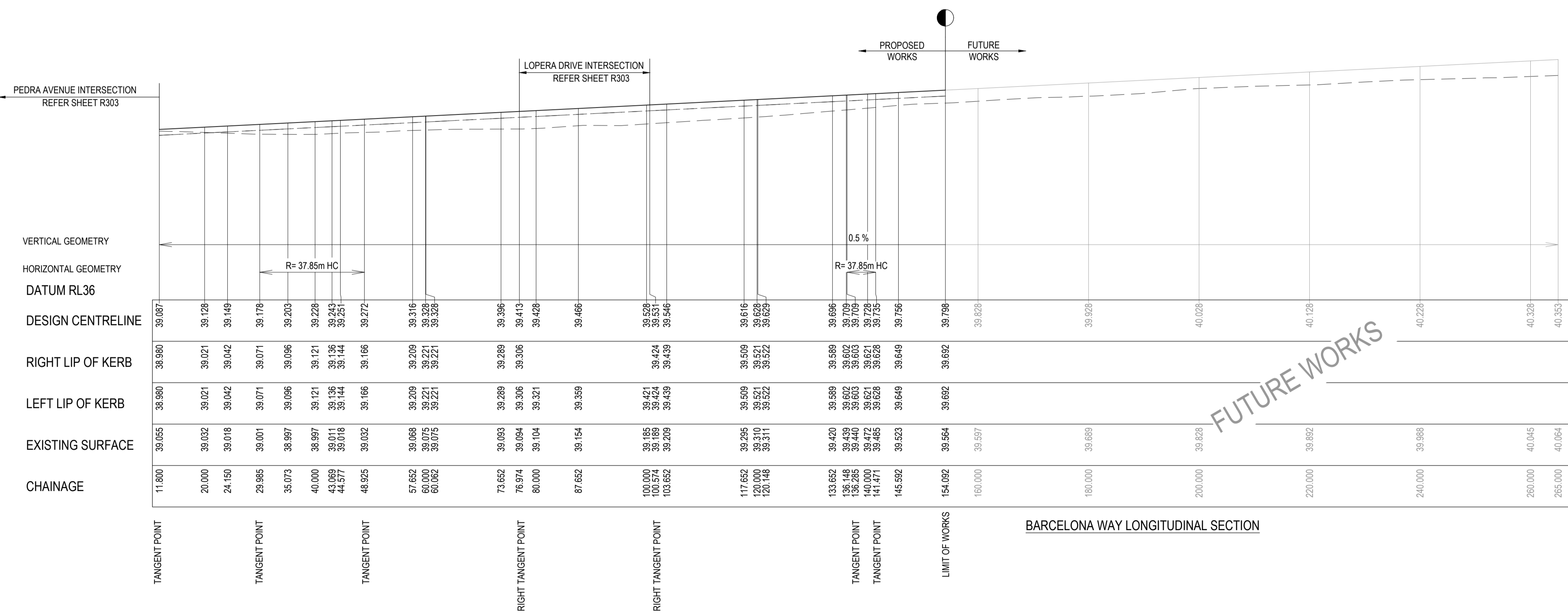
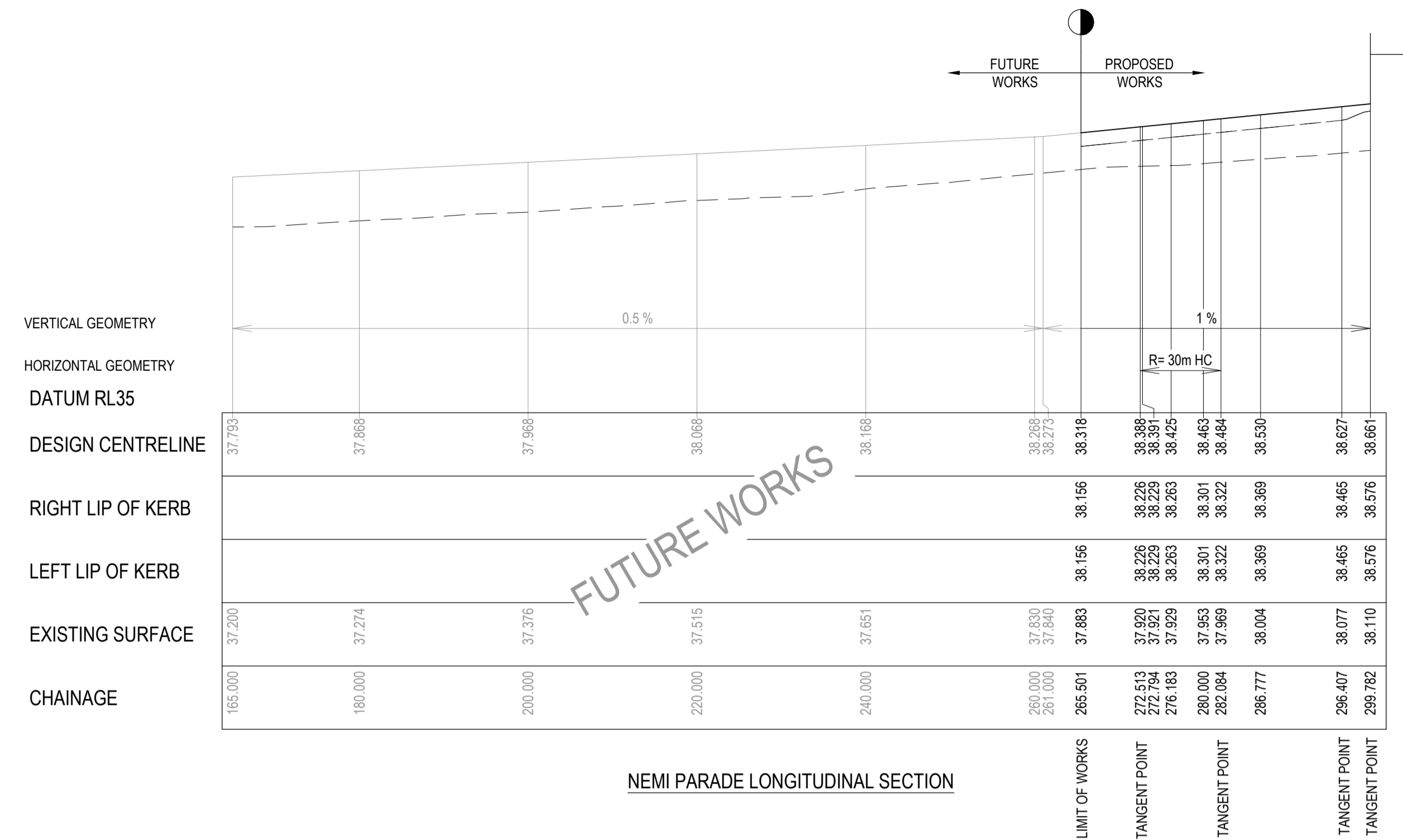
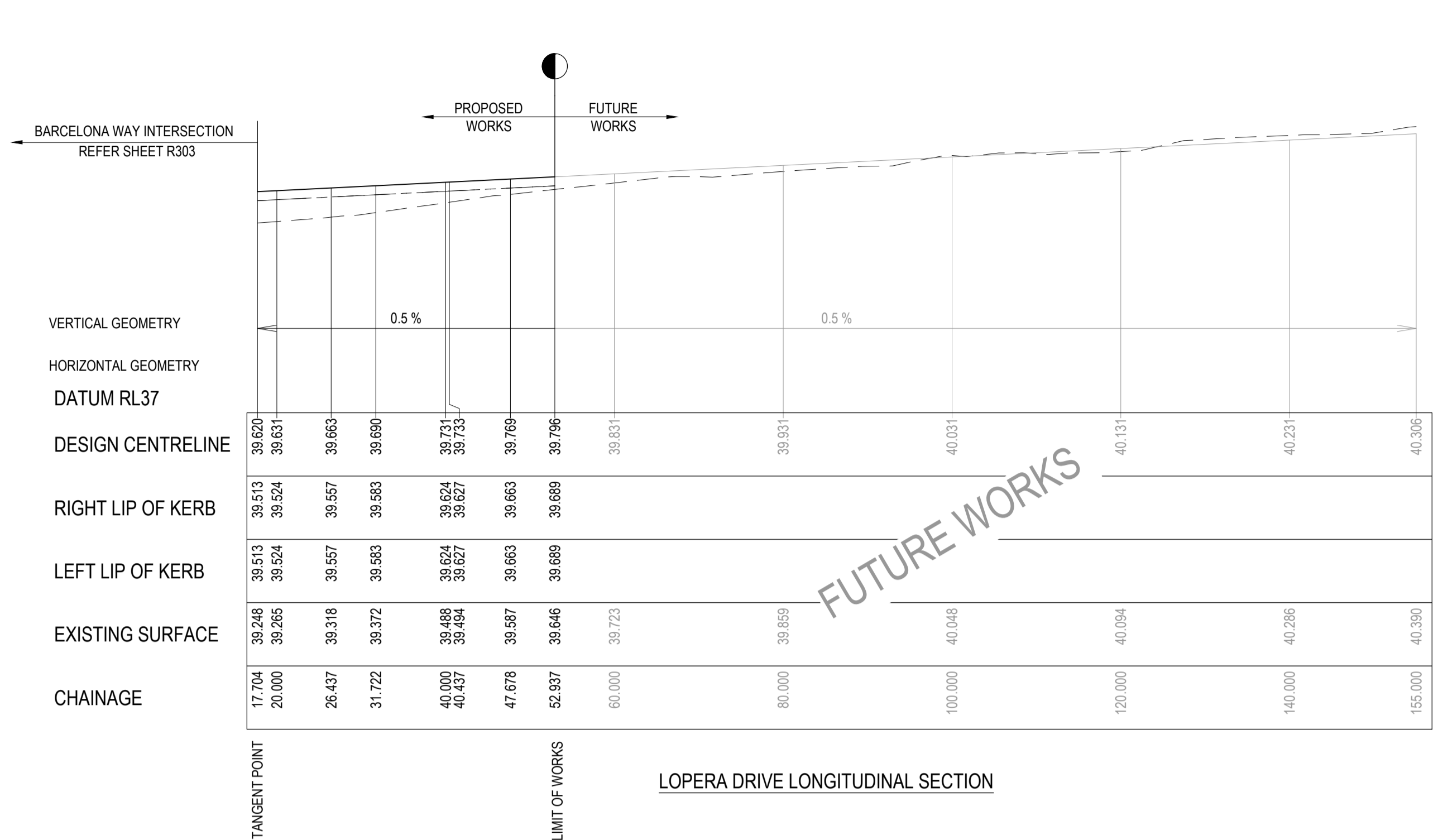
**ALAMORA - STAGE 11  
INTERSECTION DETAILS - 4**

STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R303	AC

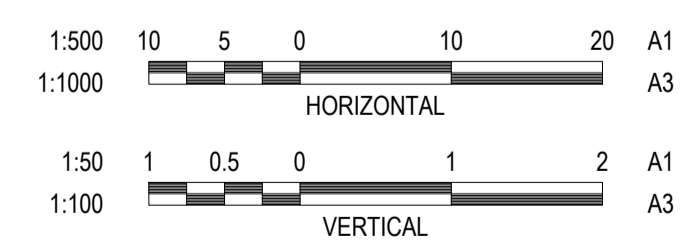




**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT LIP OF KERB
- RIGHT LIP OF KERB

NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.	 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	<b>ALAMORA - STAGE 11</b> ROAD LONGITUDINAL SECTIONS - 2	<b>AS CONSTRUCTED</b>	AS SHOWN	C.ROHDE	C.ROHDE
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.					PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.					M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.							
B	02/11/22	PLAN RESUBMISSION FOR APPROVAL	M.R.	C.R.	M.T.							
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.							
										PROJECT No.	DRAWING No.	REVISION
										200282.11	R401	AC









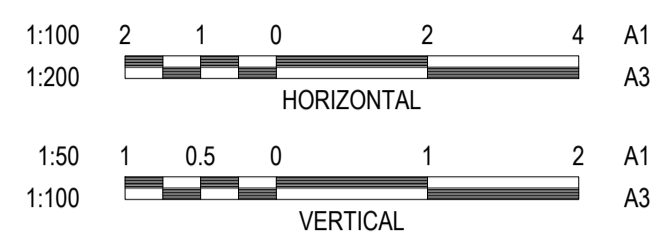




**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
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 www.1100.com.au

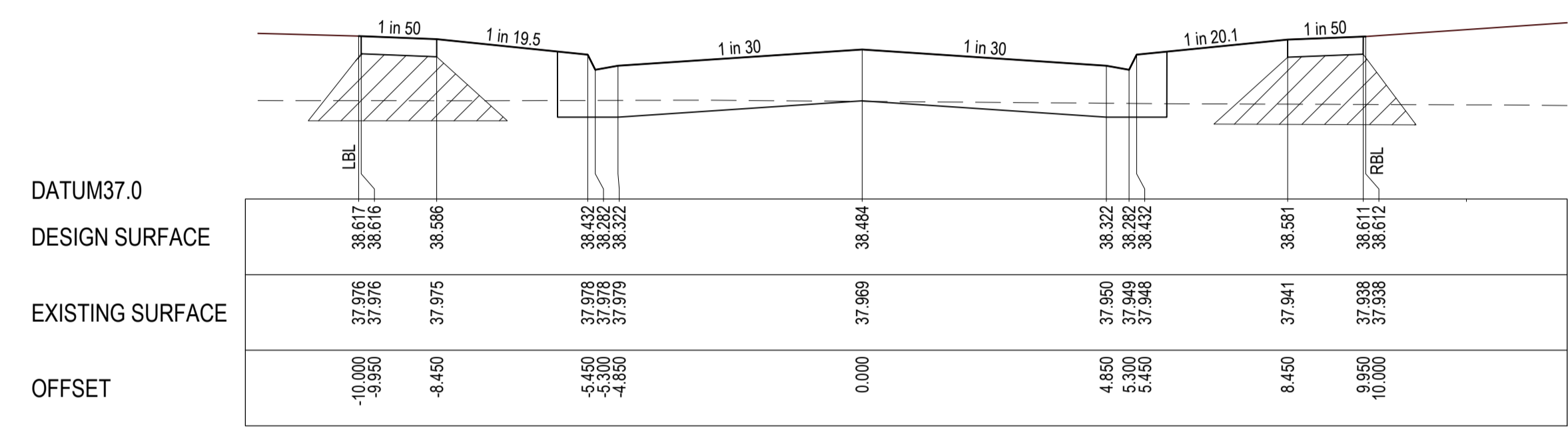
**LEGEND**

	EXISTING SURFACE
	DESIGN LINE
	STRUCTURAL FILL

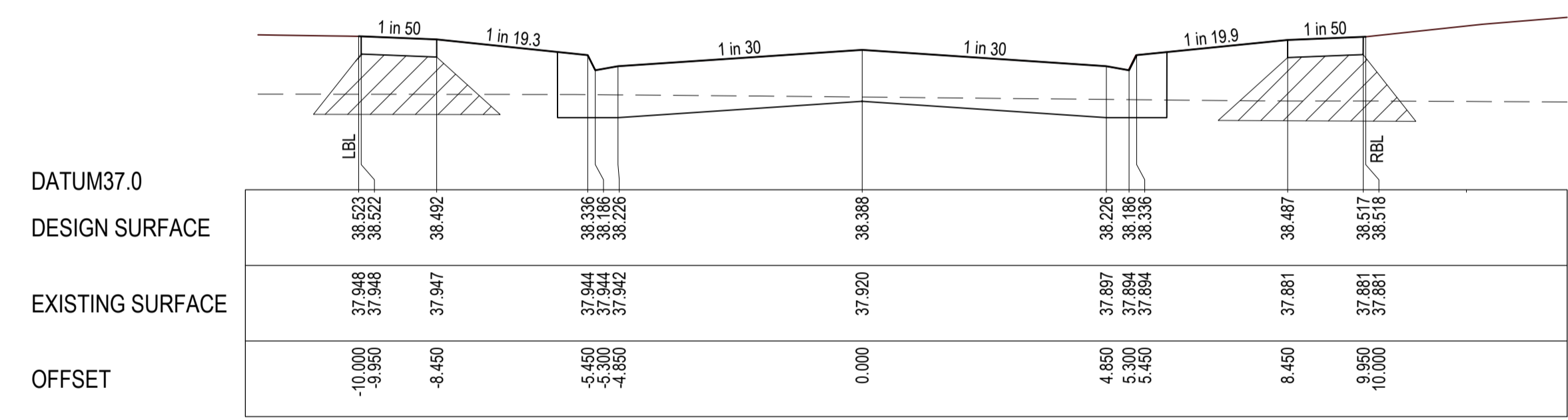


**NOTE:**  
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

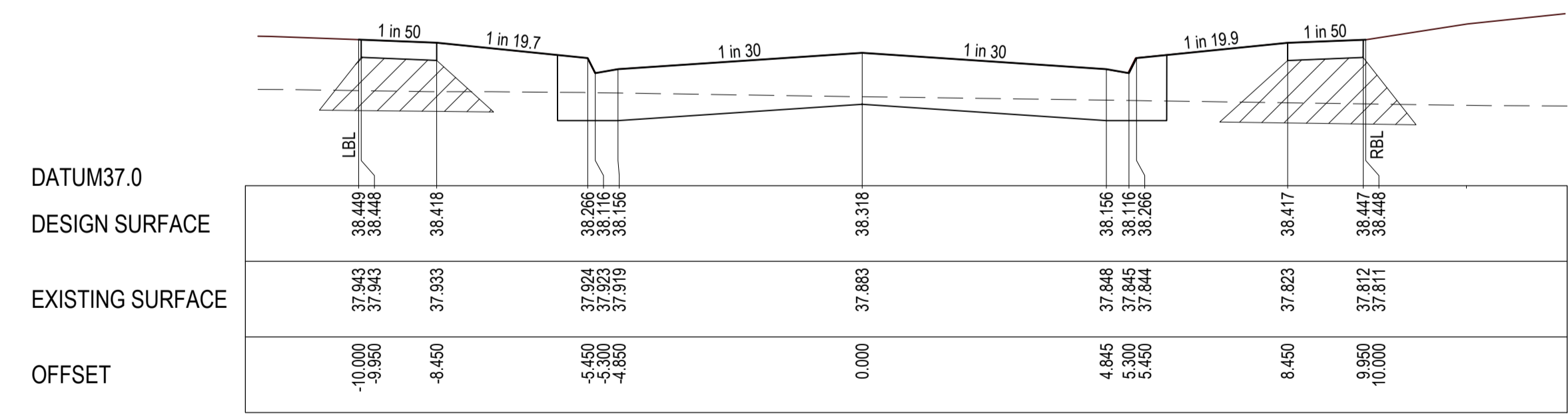
**NOTE:**  
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



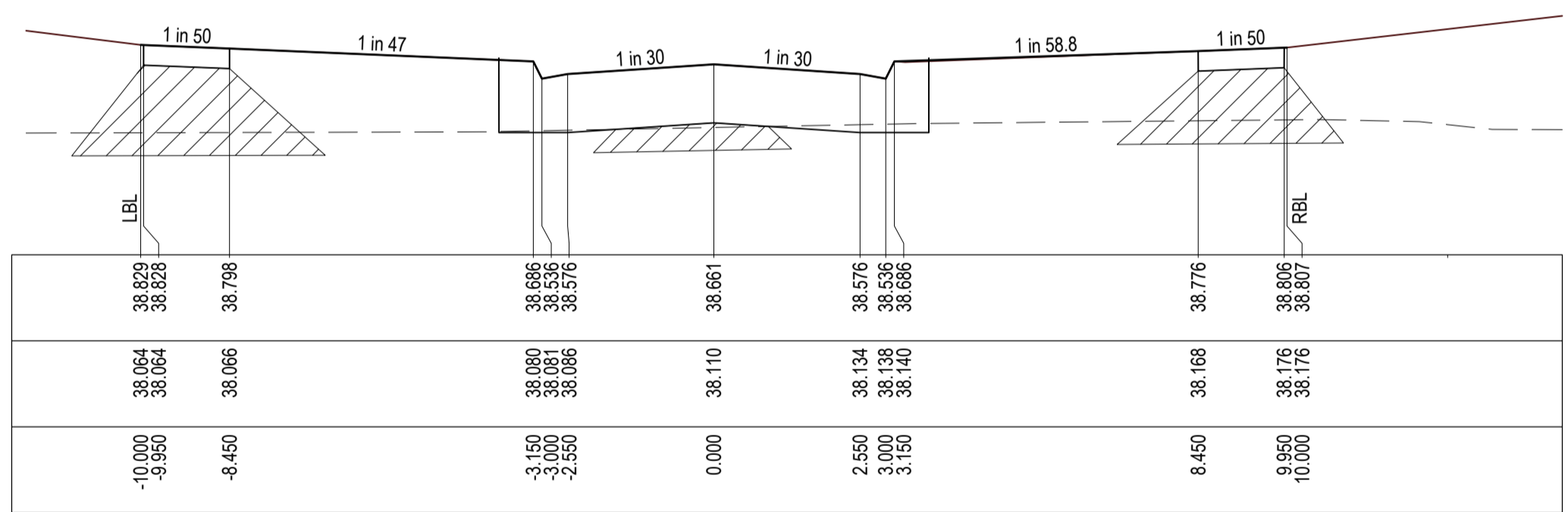
CH 282.084 (TANGENT POINT)



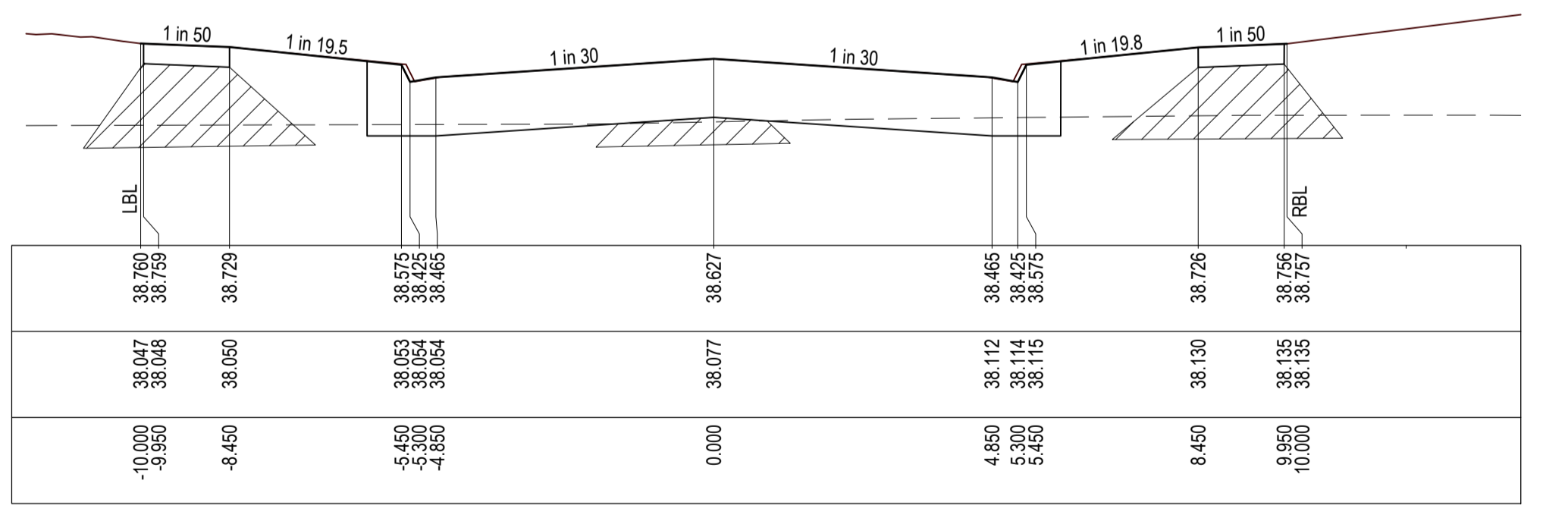
CH 272.513 (TANGENT POINT)



CH 265.501 (LIMIT OF WORKS)



CH 299.782 (TANGENT POINT)



CH 296.407 (TANGENT POINT)

P:\2020\2022 - ALAMORA - TARRANT\2022 - TARRANT\11 - R500 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PLAN RESUBMISSION FOR APPROVAL	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

DRAWING TITLE

**ALAMORA - STAGE 11  
ROAD CROSS SECTIONS - 6  
NEMI PARADE**

STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R505</b>	<b>AC</b>

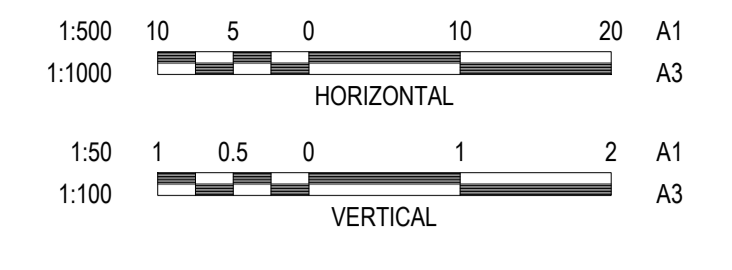




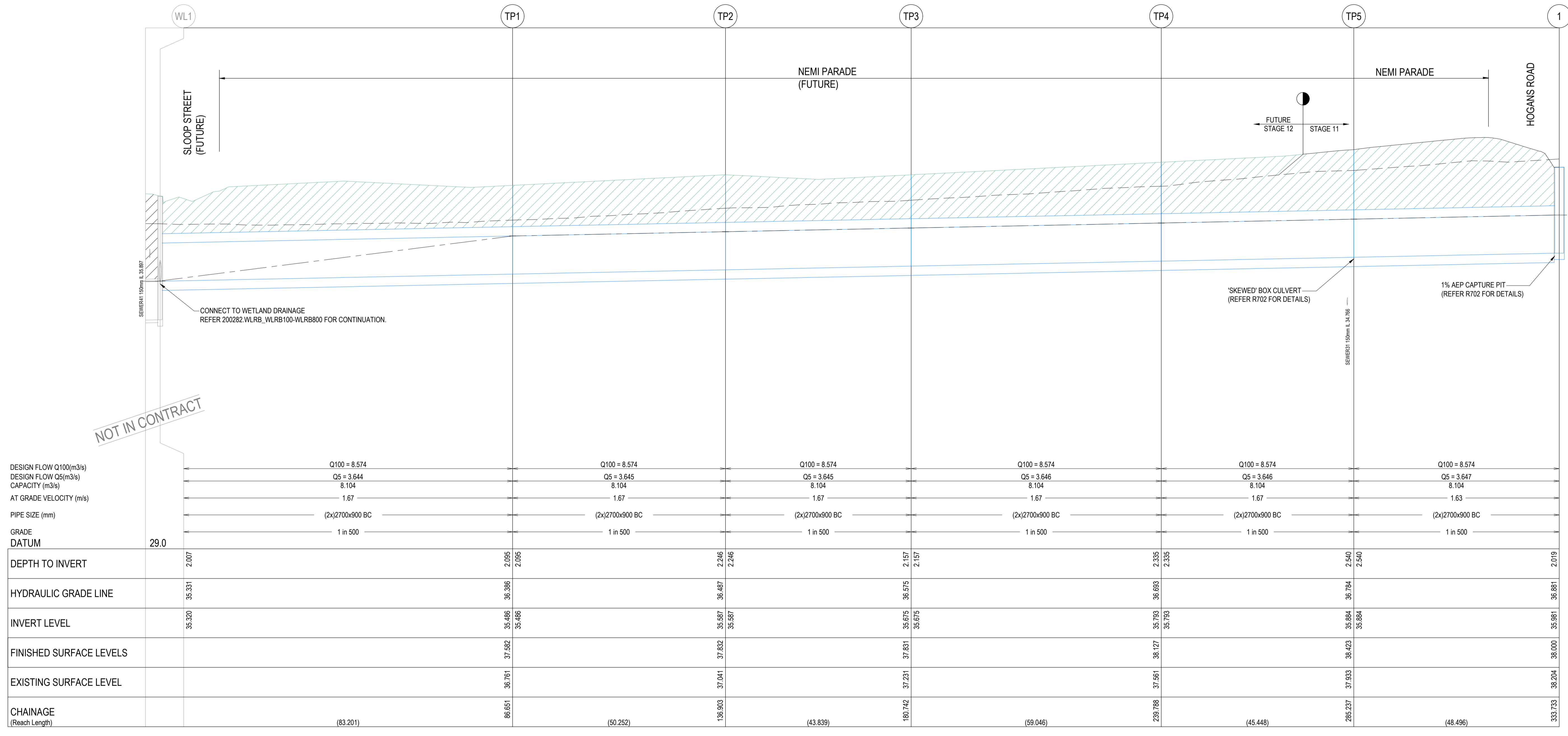


**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- FUTURE DESIGN SURFACE
- DRAINAGE PIPE/PIT
- FUTURE DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL
- REFER BOX CULVERT TRENCH TYPICAL SECTION (SHEET R702)



**WARNING**  
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	WL1	TP1	TP2	TP3	TP4	TP5	1
DESIGN FLOW Q100(m <sup>3</sup> /s)		Q100 = 8.574	Q100 = 8.574	Q100 = 8.574	Q100 = 8.574	Q100 = 8.574	Q100 = 8.574
DESIGN FLOW Q5(m <sup>3</sup> /s)		Q5 = 3.644	Q5 = 3.645	Q5 = 3.645	Q5 = 3.646	Q5 = 3.646	Q5 = 3.647
CAPACITY (m <sup>3</sup> /s)		8.104	8.104	8.104	8.104	8.104	8.104
AT GRADE VELOCITY (m/s)		1.67	1.67	1.67	1.67	1.67	1.63
PIPE SIZE (mm)		(2x)2700x900 BC	(2x)2700x900 BC	(2x)2700x900 BC	(2x)2700x900 BC	(2x)2700x900 BC	(2x)2700x900 BC
GRADE DATUM	29.0	1 in 500					
DEPTH TO INVERT	2.007	2.095 2.095	2.246 2.246	2.157 2.157	2.335 2.335	2.540 2.540	2.019
HYDRAULIC GRADE LINE	35.331	36.386 36.386	36.487 36.487	36.575 36.575	36.683 36.683	36.784 36.784	36.881
INVERT LEVEL	35.320	35.486 35.486	35.587 35.587	35.675 35.675	35.793 35.793	35.884 35.884	35.981
FINISHED SURFACE LEVELS		37.592	37.832	37.831	38.127	38.423	38.000
EXISTING SURFACE LEVEL		36.761	37.041	37.231	37.561	37.933	38.204
CHAINAGE (Reach Length)		(83.201)	(50.252)	(43.839)	(59.046)	(45.448)	(48.496)

P:\2022\2022-ALAMORA-TOWN\2022-TOWN\2022-DRAWINGS\2022-11-R600-DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

**villawood**  
 properties  
 Communities Designed for Living

**creo**  
 CONSULTANTS  
 Suite 1, 2 Bloomsbury Street  
 Geelong, VIC, Australia 3220

**ALAMORA**  
 Tarnait

DRAWING TITLE  
**ALAMORA - STAGE 11  
 DRAINAGE LONGITUDINAL SECTIONS - 1**

STATUS  
**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R600</b>	<b>AC</b>

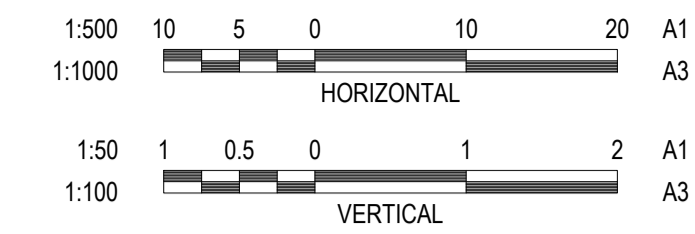


**NOTE**

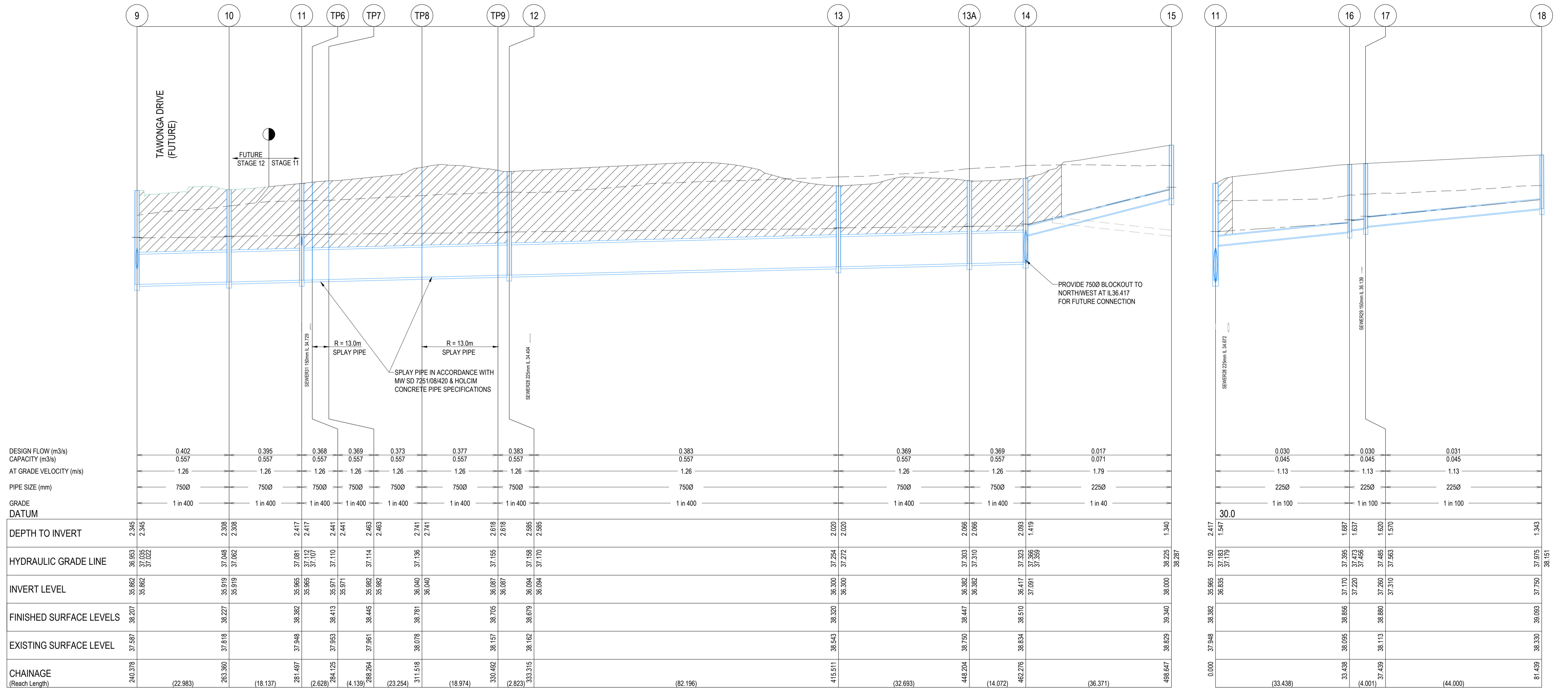
PITS 9 & 10 ARE TO BE PROVIDED WITH A TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.

**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- FUTURE DESIGN SURFACE
- DRAINAGE PIPE/PIT
- FUTURE DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL



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DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	GRADE	DATUM	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	FINISHED SURFACE LEVELS	EXISTING SURFACE LEVEL	CHAINAGE (Reach Length)
0.402	0.557	1.26	7500	1 in 400	2.345	36.953	37.035	35.862	38.207	37.587	240.378
0.395	0.557	1.26	7500	1 in 400	2.345	37.048	37.062	35.919	38.227	37.818	(22.983)
0.368	0.557	1.26	7500	1 in 400	2.417	37.081	37.110	35.965	38.382	37.948	281.497
0.369	0.557	1.26	7500	1 in 400	2.441	37.110	37.110	35.971	38.413	37.953	(2.628)
0.373	0.557	1.26	7500	1 in 400	2.441	37.110	37.110	35.971	38.413	37.953	(4.139)
0.377	0.557	1.26	7500	1 in 400	2.463	37.114	37.114	35.982	38.445	37.961	288.264
0.383	0.557	1.26	7500	1 in 400	2.463	37.114	37.114	35.982	38.445	37.961	(23.254)
0.377	0.557	1.26	7500	1 in 400	2.741	37.138	37.138	36.040	38.781	38.078	311.518
0.383	0.557	1.26	7500	1 in 400	2.741	37.138	37.138	36.040	38.781	38.078	(18.974)
0.383	0.557	1.26	7500	1 in 400	2.618	37.155	37.155	36.087	38.705	38.157	330.492
0.383	0.557	1.26	7500	1 in 400	2.618	37.155	37.155	36.087	38.705	38.157	(2.823)
0.369	0.557	1.26	7500	1 in 400	2.020	37.254	37.254	36.300	38.820	38.543	415.511
0.369	0.557	1.26	7500	1 in 400	2.020	37.254	37.254	36.300	38.820	38.543	(32.693)
0.369	0.557	1.26	7500	1 in 400	2.066	37.303	37.310	36.382	38.750	38.750	446.204
0.369	0.557	1.26	7500	1 in 400	2.066	37.303	37.310	36.382	38.750	38.750	(14.072)
0.017	0.071	1.79	2250	1 in 40	1.419	37.323	37.359	37.091	38.510	38.834	462.276
0.017	0.071	1.79	2250	1 in 40	1.419	37.323	37.359	37.091	38.510	38.834	(36.371)
0.030	0.045	1.13	2250	1 in 100	1.343	38.225	38.225	38.000	39.340	38.829	498.647
0.030	0.045	1.13	2250	1 in 100	1.343	38.225	38.225	38.000	39.340	38.829	(33.438)
0.031	0.045	1.13	2250	1 in 100	1.343	38.225	38.225	38.000	39.340	38.829	33.438
0.031	0.045	1.13	2250	1 in 100	1.343	38.225	38.225	38.000	39.340	38.829	(4.001)
0.031	0.045	1.13	2250	1 in 100	1.343	38.225	38.225	38.000	39.340	38.829	(44.000)

P:\2020\20282 - ALAMORA - TARNIT\20282 - TICHILUC DRAFTING\CAD\20282.11 - R600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 11  
DRAINAGE LONGITUDINAL SECTIONS - 3**

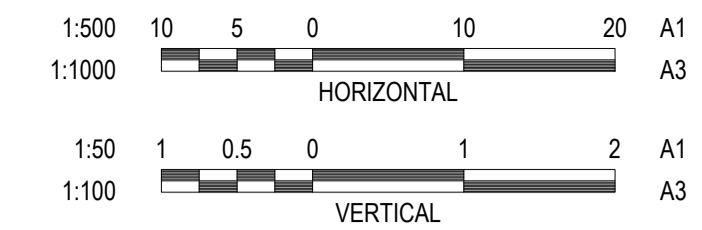
STATUS

**AS CONSTRUCTED**

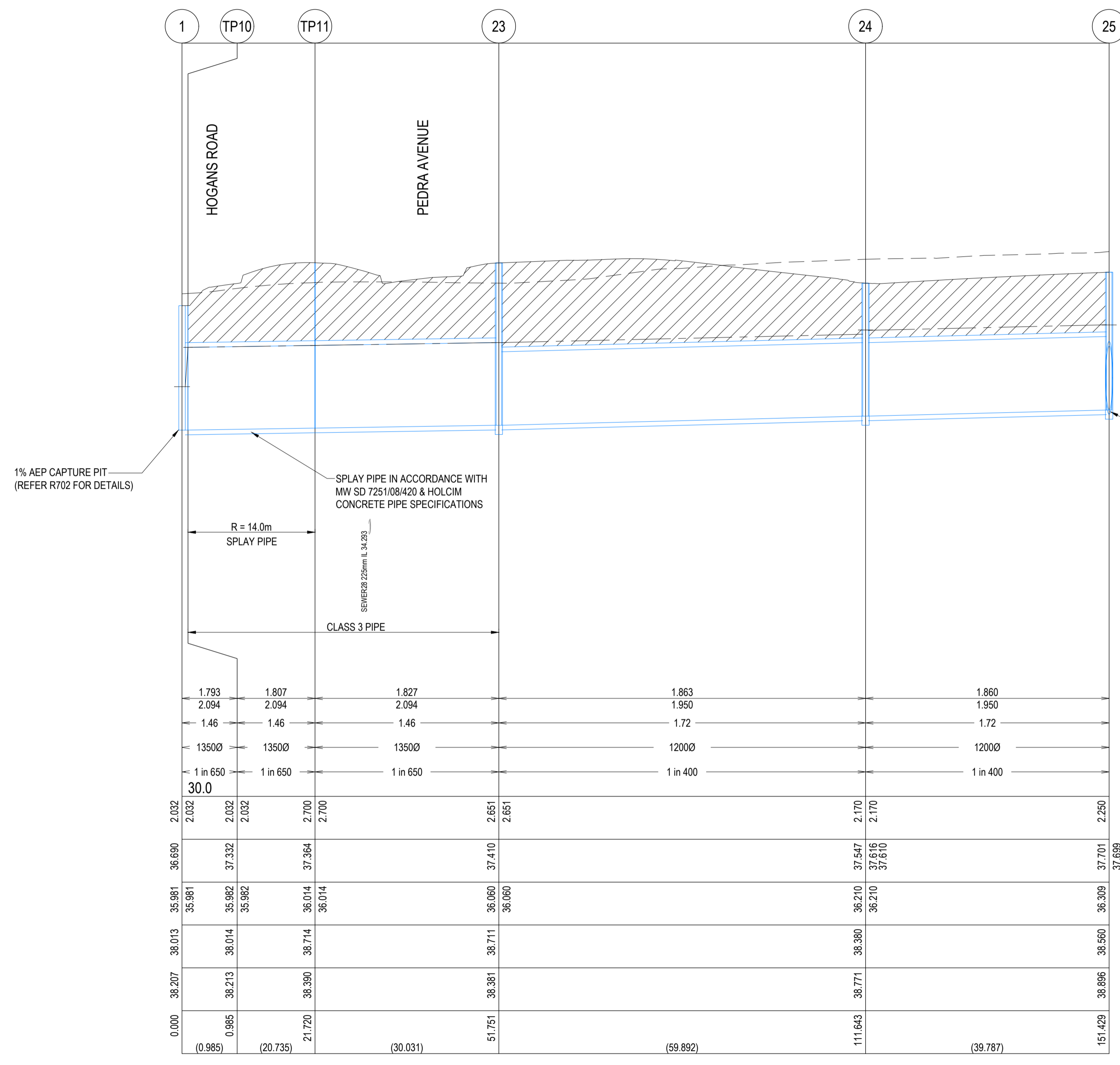
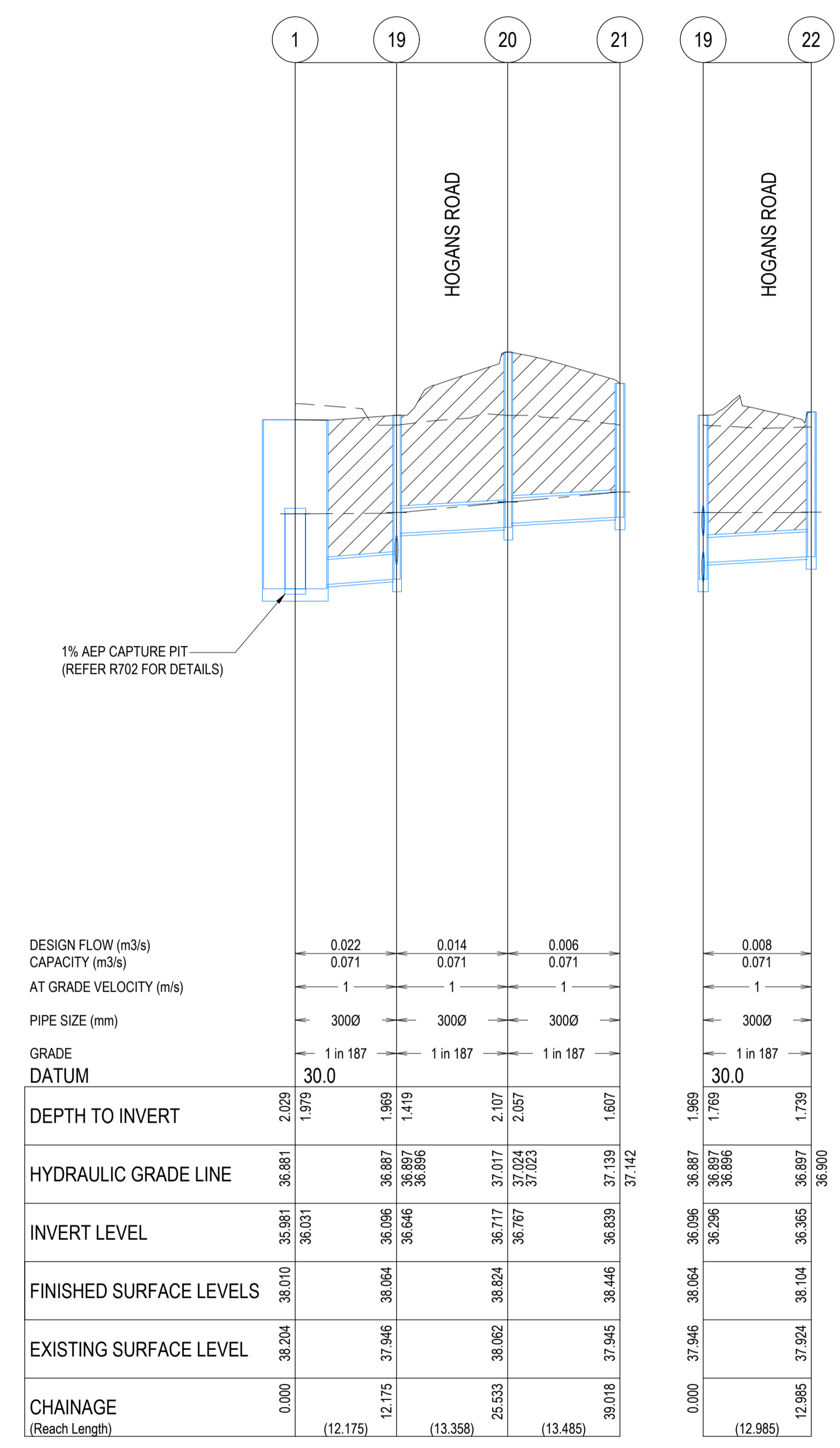
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R602</b>	<b>AC</b>

**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- FUTURE DESIGN SURFACE
- DRAINAGE PIPE/PIT
- FUTURE DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL



**WARNING**  
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PROVIDE 10500 BLOCKOUT TO NORTHWEST AT IL36.309 FOR FUTURE CONNECTION

P:\2020\2022\ALAMORA\_TARNIT\2022\TIC\1102\_DRAINAGE\_LONG\_SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 11  
DRAINAGE LONGITUDINAL SECTIONS - 4**

STATUS

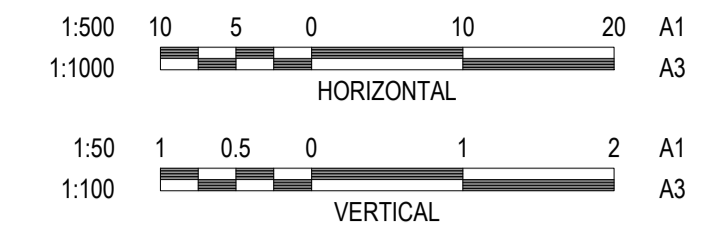
**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R603</b>	<b>AC</b>

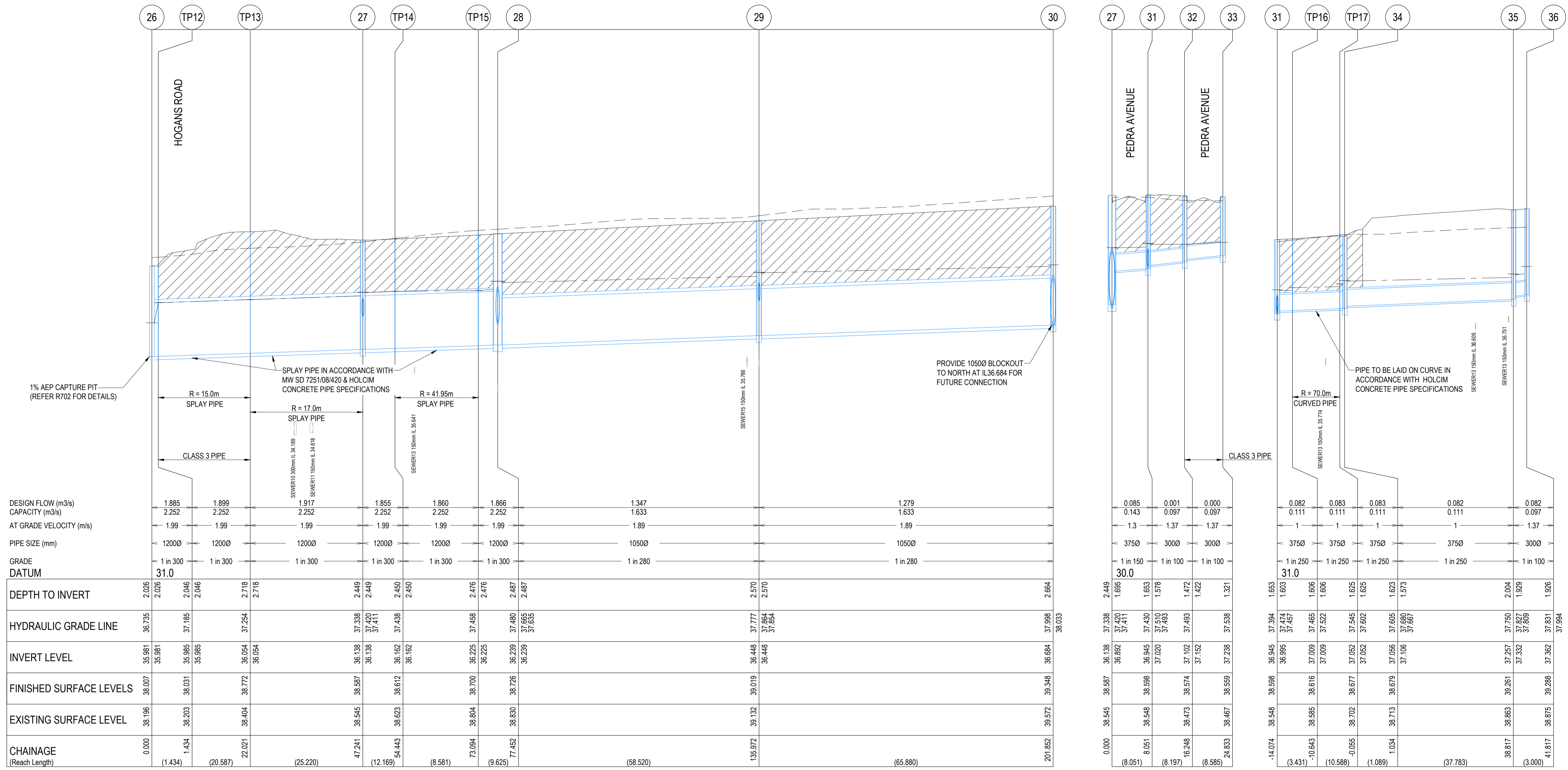


**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- FUTURE DESIGN SURFACE
- DRAINAGE PIPE/PIT
- FUTURE DRAINAGE PIPE/PIT
- HYDRUALIC GRADE LINE
- CRUSHED ROCK BACKFILL



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P:\2020\2022\ALAMORA\_TOWNSET\02022\_TIC\11\2 DRAFTER\LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
O	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 11  
DRAINAGE LONGITUDINAL SECTIONS - 5**

STATUS

**AS CONSTRUCTED**

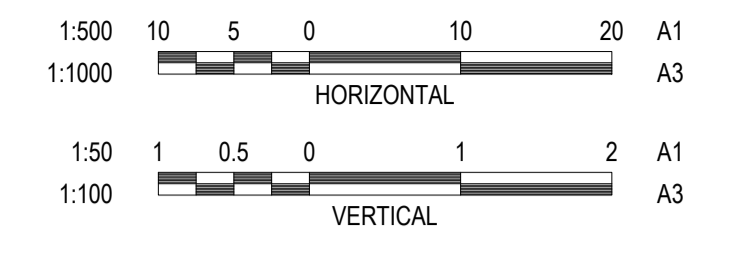
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R604</b>	<b>AC</b>



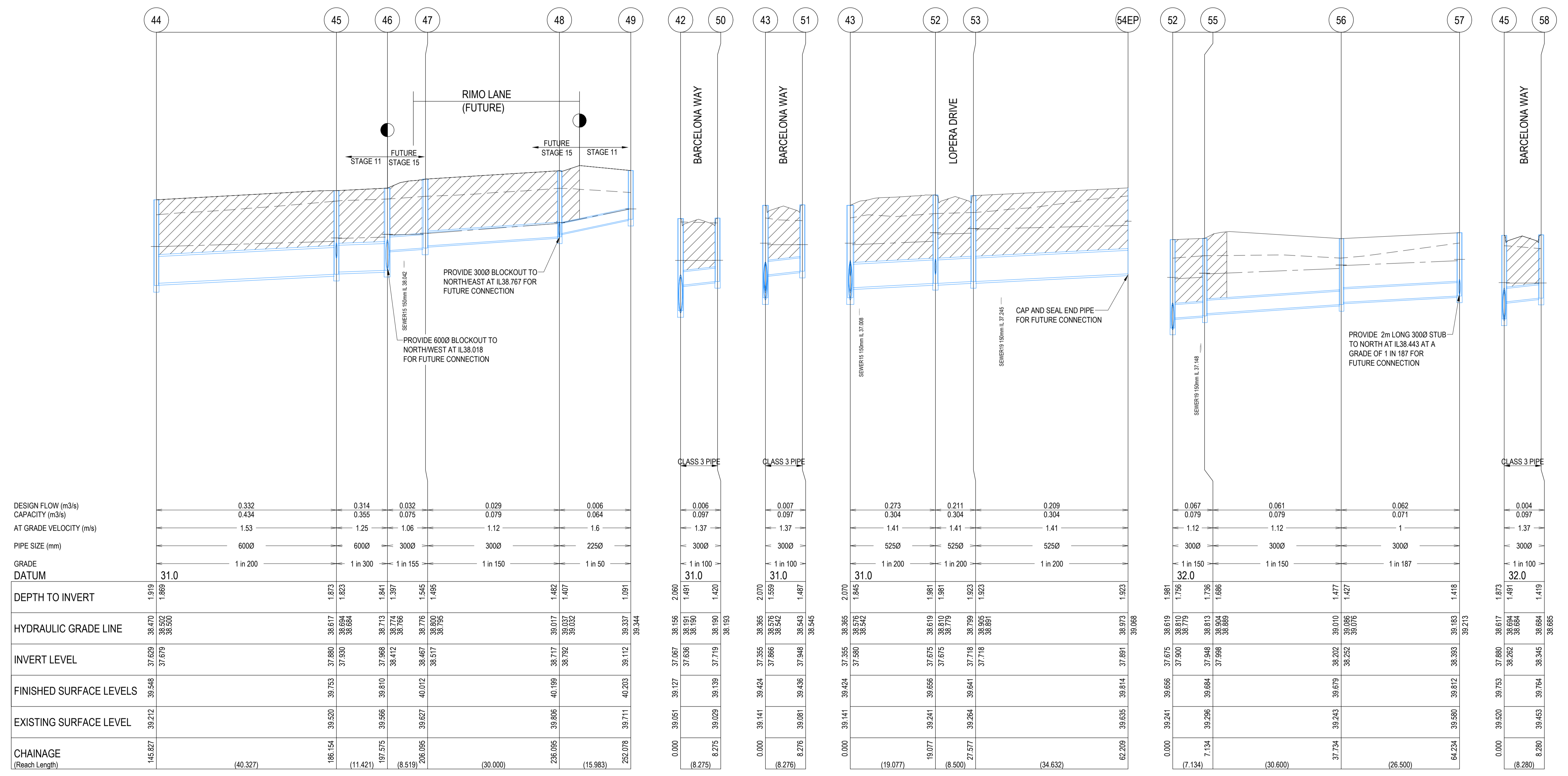
**NOTE**  
PITS 47 & 48 ARE TO BE PROVIDED WITH A TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.

**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- FUTURE DESIGN SURFACE
- DRAINAGE PIPE/PIT
- FUTURE DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL



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P:\2020\20282 - ALAMORA - TARNET\20282 - TICHILIC DRAFTING\CAD\20282 11 - R600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

**villawood**  
properties  
Communities Designed for Living

**creo**  
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Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

**ALAMORA**  
Tarnet

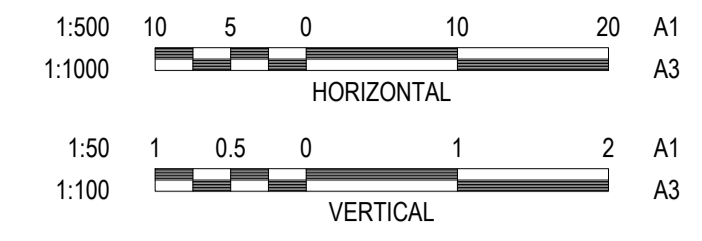
DRAWING TITLE  
**ALAMORA - STAGE 11  
DRAINAGE LONGITUDINAL SECTIONS - 7**

STATUS  
**AS CONSTRUCTED**

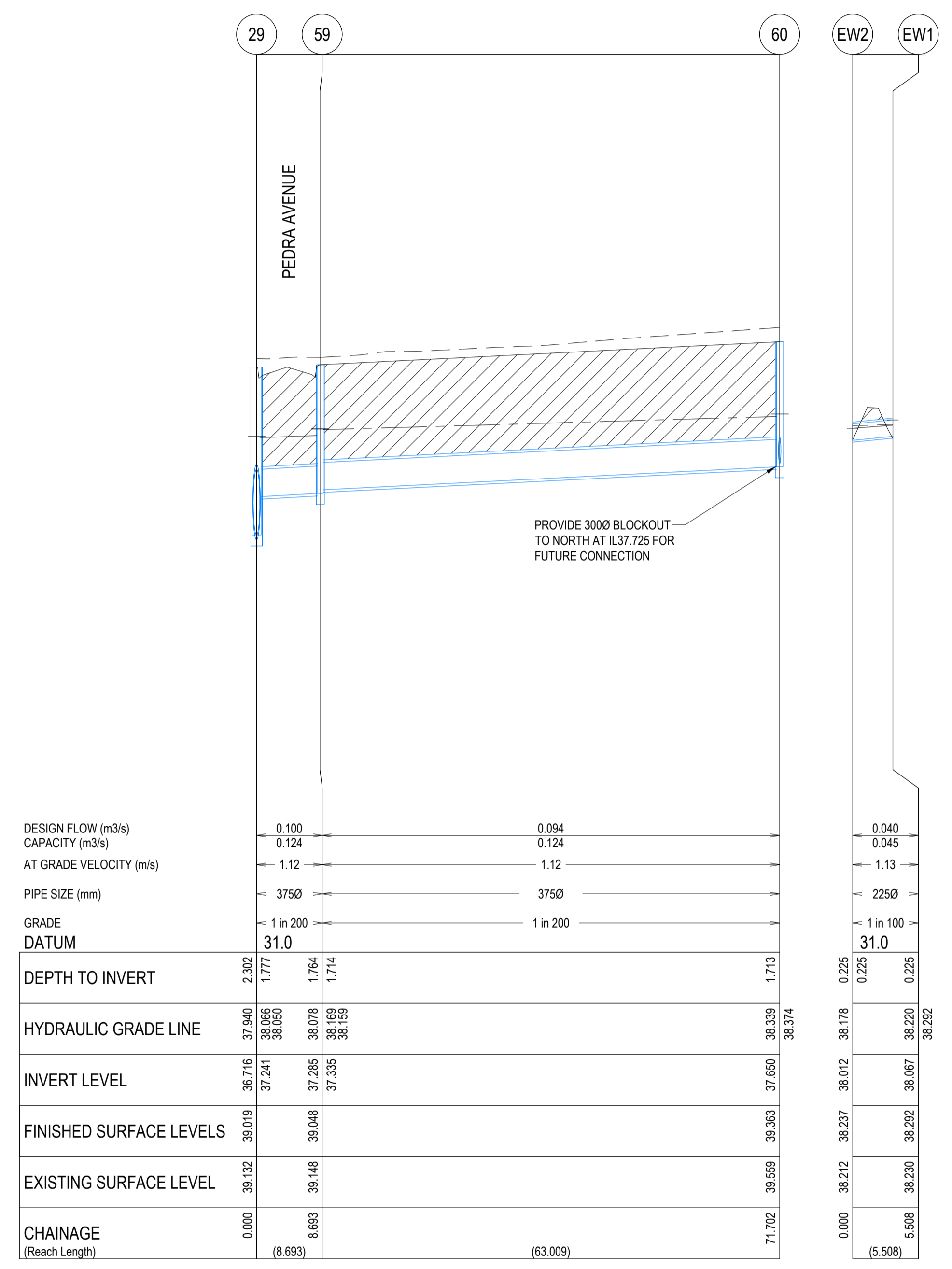
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R606</b>	<b>AC</b>

**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- FUTURE DESIGN SURFACE
- DRAINAGE PIPE/PIT
- FUTURE DRAINAGE PIPE/PIT
- HYDRUALIC GRADE LINE
- CRUSHED ROCK BACKFILL



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P:\2020\2022 - ALAMORA - TARNIT\2022 - TICHILIC DRAFTING\2022\11-600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 11  
DRAINAGE LONGITUDINAL SECTIONS - 8**

STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R607</b>	<b>AC</b>

**WARNING**  
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**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au

PIT SCHEDULE											
PIT NAME	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH(m)	STANDARD DRAWING	REMARKS
		WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER	INVERT R.L.(m)				
WL1	GRADED ENTRY PIT	-	-	(2x)2700x900BC	35.320	-	-	-	-	-	CONNECT TO WETLAND DRAINAGE.
TP1	TANGENT POINT	-	-	(2x)2700x900BC	35.486	(2x)2700x900BC	35.486	37.582	2.095	-	(E:292248.620, N:5807141.184).
TP2	TANGENT POINT	-	-	(2x)2700x900BC	35.587	(2x)2700x900BC	35.587	37.832	2.246	-	(E:292255.498, N:5807190.963).
TP3	TANGENT POINT	-	-	(2x)2700x900BC	35.675	(2x)2700x900BC	35.675	37.831	2.157	-	(E:292261.457, N:5807234.395).
TP4	TANGENT POINT	-	-	(2x)2700x900BC	35.793	(2x)2700x900BC	35.793	38.127	2.335	-	(E:292269.491, N:5807292.892).
TP5	TANGENT POINT	-	-	(2x)2400x900BC	35.884	(2x)2700x900BC	35.884	38.423	2.540	REFER R702 FOR DETAIL	(E:292275.671, N:5807337.918), 'SKEWED' BOX CULVERT.
1	GRADED PIT	7600	2100	1350	35.981	(2x)2400x900BC	35.981	38.000	2.019	REFER R702 FOR DETAIL	1% AEP CAPTURE PIT. (E:292296.986, N:5807381.479).
				1050	35.981						
				300	36.031						
WL2	GRADED ENTRY PIT	-	-	900	35.320	-	-	-	-	-	CONNECT TO WETLAND DRAINAGE.
2	GRADED ENTRY PIT	1200	900	900	35.377	900	35.377	37.553	2.175	EDCM 601 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.
3	JUNCTION PIT	1200	900	900	35.533	900	35.533	37.558	2.025	EDCM 605 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE. PROVIDE 300Ø BLOCKOUT TO NORTH/EAST AT IL36.133 FOR FUTURE CONNECTION
				Fut.300	36.133						
4	JUNCTION PIT	1200	900	900	35.548	900	35.548	37.660	2.112	EDCM 605 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE. PROVIDE 450Ø BLOCKOUT TO NORTH/WEST AT IL36.006 FOR FUTURE CONNECTION.
				Fut.450	36.006						
5	GRADED ENTRY PIT	1200	900	900	35.597	900	35.597	37.675	2.079	EDCM 601 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.
6	DOUBLE GRADED ENTRY PIT	1200	900	900	35.696	900	35.696	37.715	2.018	EDCM 602 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.
7	JUNCTION PIT	1200	900	900	35.712	900	35.712	37.849	2.138	EDCM 605 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE. PROVIDE 450Ø BLOCKOUT TO NORTH/WEST AT IL36.203 FOR FUTURE CONNECTION
				Fut.450	36.203						
8	GRADED ENTRY PIT	1200	900	900	35.761	900	35.761	37.864	2.103	EDCM 601 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.
9	JUNCTION PIT	1200	900	750	35.862	900	35.862	38.207	2.345	EDCM 605 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE. PROVIDE 450Ø BLOCKOUT TO NORTH/WEST AT IL36.278 FOR FUTURE CONNECTION.
				Fut.450	36.278						
10	GRADED ENTRY PIT	1050	900	750	35.919	750	35.919	38.227	2.308	EDCM 601 & 607	HAUNCHED TO 600x900 COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.
11	GRADED ENTRY PIT	1050	900	750	35.965	750	35.965	38.382	2.417	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
				225	36.835						
TP6	TANGENT POINT	-	-	750	35.971	750	35.971	38.413	2.441	MW SD 7251/08/420	(E:292269.451, N:5807337.656). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP7	TANGENT POINT	-	-	750	35.982	750	35.982	38.445	2.463	MW SD 7251/08/420	(E:292270.652, N:5807341.599). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP8	TANGENT POINT	-	-	750	36.04	750	36.04	38.781	2.741	MW SD 7251/08/420	(E:292280.873, N:5807362.486). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP9	TANGENT POINT	-	-	750	36.087	750	36.087	38.705	2.618	MW SD 7251/08/420	(E:292276.171, N:5807379.170). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
12	JUNCTION PIT	1050	900	750	36.094	750	36.094	38.679	2.585	EDCM 605 & 607	HAUNCHED TO 600x900 COVER.
13	DOUBLE GRADED ENTRY PIT	1050	900	750	36.3	750	36.3	38.32	2.02	EDCM 604 & 607	HAUNCHED TO 600x900 COVER.
13A	DOUBLE GRADED ENTRY PIT	1050	900	750	36.382	750	36.382	38.447	2.066	EDCM 604 & 607	HAUNCHED TO 600x900 COVER.
14	GRADED ENTRY PIT	1050	900	225	37.091	750	36.417	38.51	2.093	EDCM 603 & 607	HAUNCHED TO 600x900 COVER. PROVIDE 750Ø BLOCKOUT TO NORTH/WEST AT IL36.417 FOR FUTURE CONNECTION.
				Fut.750	36.417						
15	JUNCTION PIT	600	900			225	38.000	39.340	1.340	EDCM 605	
16	JUNCTION PIT	600	900	225	37.220	225	37.170	38.856	1.687	EDCM 605	
17	JUNCTION PIT	600	900	225	37.310	225	37.260	38.880	1.620	EDCM 605	
18	JUNCTION PIT	600	900			225	37.750	39.093	1.343	EDCM 605	
19	JUNCTION PIT	600	900	300	36.646	300	36.096	38.064	1.969	EDCM 605	
				300	36.296						
20	JUNCTION PIT	600	900	300	36.767	300	36.717	38.824	2.107	EDCM 605	
21	JUNCTION PIT	600	900			300	36.839	38.446	1.607	EDCM 605	
22	JUNCTION PIT	600	900			300	36.365	38.104	1.739	EDCM 605	
TP10	TANGENT POINT	-	-	1350	35.982	1350	35.982	38.014	2.032	MW SD 7251/08/420	(E:292296.072, 5807383.023). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP11	TANGENT POINT	-	-	1350	36.014	1350	36.014	38.714	2.700	MW SD 7251/08/420	(E:292290.752, 5807401.149). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
23	JUNCTION PIT	1800	900	1200	36.060	1350	36.060	38.711	2.651	EDCM 605 & 607	HAUNCHED TO 600x900 COVER.
24	DOUBLE GRADED ENTRY PIT	1650	900	1200	36.210	1200	36.210	38.380	2.170	EDCM 604 & 607	HAUNCHED TO 600x900 COVER.
25	GRADED ENTRY PIT	1650	900	Fut.1050	36.309	1200	36.309	38.560	2.250	EDCM 603 & 607	HAUNCHED TO 600x900 COVER. PROVIDE 1050Ø BLOCKOUT TO NORTH/WEST AT IL36.309 FOR FUTURE CONNECTION.

- \*\* - DENOTES PIT IS HAUNCHED TOWARDS ROAD CENTRELINE (UNDER ROAD PAVEMENT/KERB).
- ALL PIT COVERS TO BE PROVIDED IN ACCORDANCE WITH EDCM 605 - PIT COVER SCHEDULE.
- PITS WITHIN ROAD RESERVES ARE TO BE BACKFILLED AND COMPACTED WITH CLASS 3 FCR IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS AND REQUIREMENTS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIPE CLASS & OTHER MINOR AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT



Communities Designed for Living

PROJECT



Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

DRAWING TITLE

**ALAMORA - STAGE 11  
DRAINAGE PIT SCHEDULE - 1**



STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R608	AC

P:\2020\2022 - ALAMORA - TARNET\2022 - TICHILD DRAFTING\CAD\2022\11 - R608 - DRAINAGE LONG SECTIONS.DWG

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PIT SCHEDULE											
PIT NAME	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH(m)	STANDARD DRAWING	REMARKS
		WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER	INVERT R.L.(m)				
TP12	TANGENT POINT	-	-	1200	35.985	1200	35.985	38.031	2.046	MW SD 7251/08/420	(E:292298.964, N:5807382.108). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP13	TANGENT POINT	-	-	1200	36.054	1200	36.054	38.772	2.718	MW SD 7251/08/420	(E:292294.610, N:5807400.611). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
27	GRATED ENTRY PIT	1650	900	1200	36.138	1200	36.138	38.587	2.449	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
				375	36.892						
TP14	TANGENT POINT	-	-	1200	36.162	1200	36.162	38.612	2.450	MW SD 7251/08/420	(E:292294.462, N:5807429.306). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP15	TANGENT POINT	-	-	1200	36.225	1200	36.225	38.700	2.476	MW SD 7251/08/420	(E:292300.700, N:5807446.721). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
28	GRATED ENTRY PIT	1650	1800	1050	36.239	1200	36.239	38.725	2.487	EDCM 601 & VICROADS SD 1023	HAUNCHED TO 600x900 COVER**.
				750	36.464						
29	GRATED ENTRY PIT	1350	900	1050	36.448	1050	36.448	39.019	2.570	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
				375	37.241						
30	GRATED ENTRY PIT	1350	900	Fut.1050	36.684	1050	36.684	39.348	2.664	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**. PROVIDE 1050Ø BLOCKOUT TO NORTH AT IL36.684 FOR FUTURE CONNECTION.
				900	37.046						
31	GRATED ENTRY PIT	600	900	300	37.020	375	36.945	38.598	1.653	EDCM 601	
				375	36.995						
32	DOUBLE GRATED ENTRY PIT	600	900	300	37.152	300	37.102	38.574	1.472	EDCM 602	
33	DOUBLE GRATED ENTRY PIT	600	900			300	37.238	38.559	1.321	EDCM 602	
TP16	TANGENT POINT	-	-	375	37.009	375	37.009	38.616	1.606	-	(E:292285.646, N:5807430.443). PIPE TO BE LAID ON CURVE IN ACCORDANCE WITH HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP17	TANGENT POINT	-	-	375	37.052	375	37.052	38.677	1.625	-	(E:292290.630, N:5807439.773). PIPE TO BE LAID ON CURVE IN ACCORDANCE WITH HOLCIM CONCRETE PIPE SPECIFICATIONS.
34	GRATED ENTRY PIT	600	900	375	37.106	375	37.056	38.679	1.623	EDCM 601	
35	JUNCTION PIT	600	900	300	37.332	375	37.257	39.261	2.004	EDCM 605	
36	JUNCTION PIT	600	900	300	37.412	300	37.362	39.288	1.926	EDCM 605	
37	JUNCTION PIT	600	900	300	37.743	300	37.693	39.138	1.445	EDCM 605	
38	JUNCTION PIT	600	900	225	38.134	300	38.059	39.410	1.351	EDCM 605	
39	JUNCTION PIT	600	900	Fut.225	38.546	225	38.496	39.630	1.134	EDCM 605	PROVIDE 2m LONG 225Ø STUB TO NORTH/WEST AT IL38.546 AT A GRADE OF 1 IN 125 FOR FUTURE CONNECTION
40	GRATED ENTRY PIT	1350	900	750	36.522	750	36.522	38.765	2.243	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
41	GRATED ENTRY PIT	1050	900	750	36.662	750	36.662	38.913	2.251	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
TP18	TANGENT POINT	-	-	750	36.679	750	36.679	38.793	2.113	MW SD 7251/08/420	(E:292298.952, N:5807491.76). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
42	GRATED ENTRY PIT	1050	900	750	37.067	750	36.781	39.127	2.346	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
				300	37.636						
TP19	TANGENT POINT	-	-	750	37.157	750	37.157	39.084	1.927	MW SD 7251/08/420	(E:292270.016, N:5807508.912). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
TP20	TANGENT POINT	-	-	750	37.195	750	37.195	39.101	1.907	MW SD 7251/08/420	(E:292263.138, N:5807511.735). SPLAY PIPE IN ACCORDANCE WITH MW SD 7251/08/420 & HOLCIM CONCRETE PIPE SPECIFICATIONS.
43	GRATED ENTRY PIT	1050	900	600	37.505	750	37.355	39.424	2.070	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
				300	37.866						
				525	37.580						
44	GRATED ENTRY PIT	900	900	600	37.679	600	37.629	39.548	1.919	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
45	GRATED ENTRY PIT	900	900	600	37.930	600	37.880	39.753	1.873	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
				300	38.254						
46	GRATED ENTRY PIT	900	900	300	38.412	600	37.968	39.810	1.841	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**. PROVIDE 600Ø BLOCKOUT TO NORTH/WEST AT IL38.018 FOR FUTURE CONNECTION.
				Fut.600	38.018						
47	GRATED PIT	600	900	300	38.517	300	38.467	40.012	1.545	EDCM 605 WITH GRATE	WITH HEAVY DUTY, CLASS D, BIKE SAFE INVERTED GRATED COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE.
48	GRATED PIT	600	900	225	38.792	300	38.717	40.199	1.482	EDCM 605 WITH GRATE	WITH HEAVY DUTY, CLASS D, BIKE SAFE INVERTED GRATED COVER. PROVIDE TEMPORARY COVER AND FLAGGING AROUND PIT PERIMETER UNTIL FUTURE WORKS COMMENCE. PROVIDE 300Ø BLOCKOUT TO NORTH/EAST AT IL38.767 FOR FUTURE CONNECTION.
				Fut.300	38.767						
49	JUNCTION PIT	600	900			225	39.112	40.203	1.091	EDCM 605	
50	GRATED ENTRY PIT	600	900			300	37.719	39.139	1.420	EDCM 601	
51	GRATED ENTRY PIT	600	900			300	37.948	39.436	1.487	EDCM 601	
52	GRATED ENTRY PIT	900	900	525	37.675	525	37.675	39.656	1.981	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
				300	37.900						
53	GRATED ENTRY PIT	900	900	525	37.718	525	37.718	39.641	1.923	EDCM 601 & 607	HAUNCHED TO 600x900 COVER**.
54EP	ENDPIPE	-	-	Fut.525	37.891	525	37.891	39.814	1.923	-	CAP & SEAL ENDPIPE FOR FUTURE CONNECTION.
55	GRATED ENTRY PIT	600	900	300	37.998	300	37.948	39.684	1.736	EDCM 601	
56	JUNCTION PIT	600	900	300	38.252	300	38.202	39.679	1.477	EDCM 605	
57	JUNCTION PIT	600	900	Fut.300	38.443	300	38.393	39.812	1.418	EDCM 605	PROVIDE 2m LONG 300Ø STUB TO NORTH AT IL38.443 AT A GRADE OF 1 IN 187 FOR FUTURE CONNECTION.
58	GRATED ENTRY PIT	600	900			300	38.345	39.764	1.419	EDCM 601	
59	GRATED ENTRY PIT	600	900	375	37.335	375	37.285	39.048	1.764	EDCM 601	
60	GRATED ENTRY PIT	600	900	Fut.300	37.725	375	37.650	39.363	1.713	EDCM 601	PROVIDE 300Ø BLOCKOUT TO NORTH AT IL37.725 FOR FUTURE CONNECTION.
EW1	ENDWALL	-	-			225	38.067	38.292	0.225	-	WINGWALL TO SUIT 225Ø RCP.
EW2	ENDWALL	-	-	225	38.012			38.237	0.225	-	WINGWALL TO SUIT 225Ø RCP.

- \*\* - DENOTES PIT IS HAUNCHED TOWARDS ROAD CENTRELINE (UNDER ROAD PAVEMENT KERB).
- ALL PIT COVERS TO BE PROVIDED IN ACCORDANCE WITH EDCM 605 - PIT COVER SCHEDULE.
- PITS WITHIN ROAD RESERVES ARE TO BE BACKFILLED AND COMPACTED WITH CLASS 3 FOR IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS AND REQUIREMENTS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PIT SCHEDULE AMENDED	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT



Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloombsbury Street  
Geelong, VIC, Australia 3220

PROJECT



DRAWING TITLE

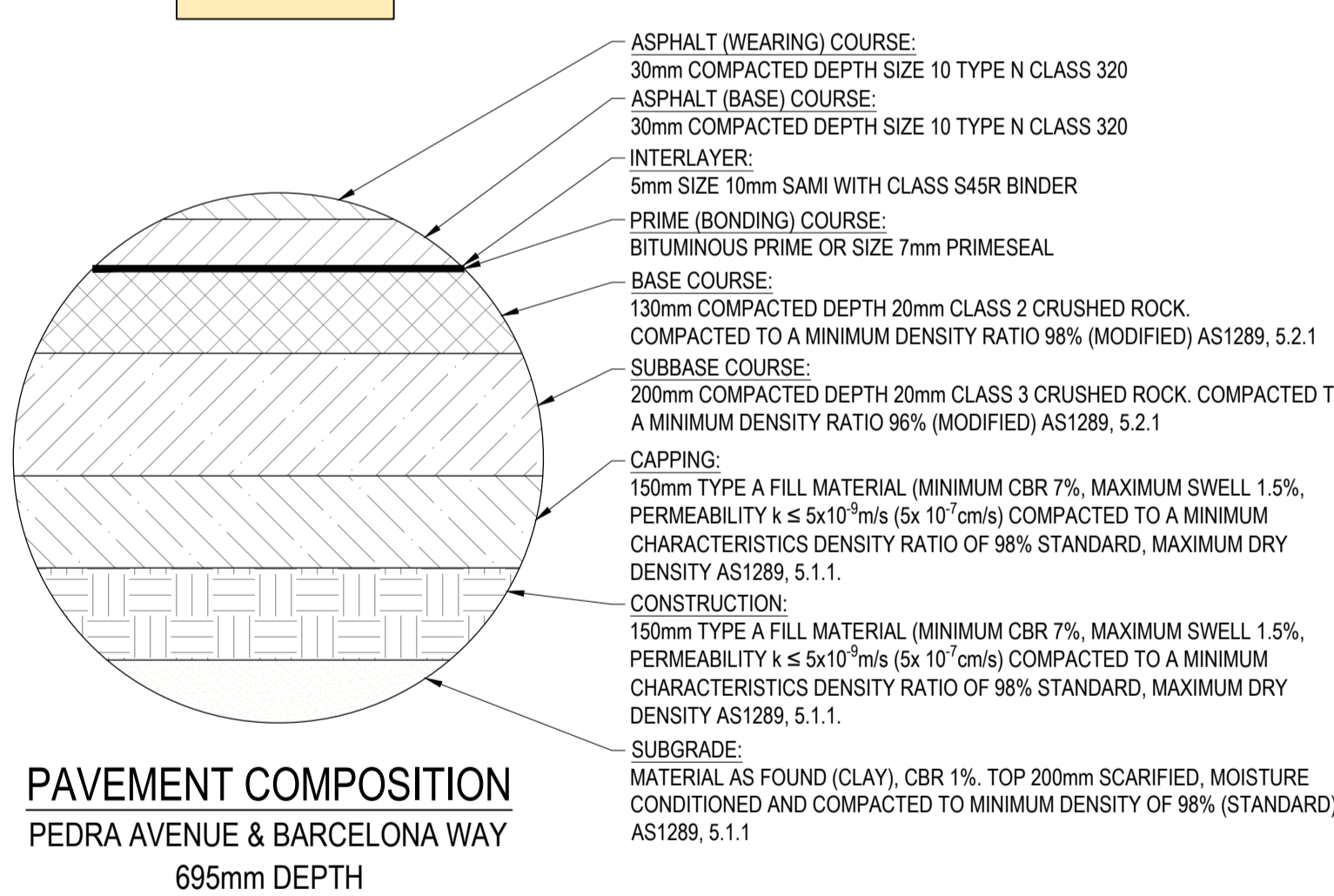
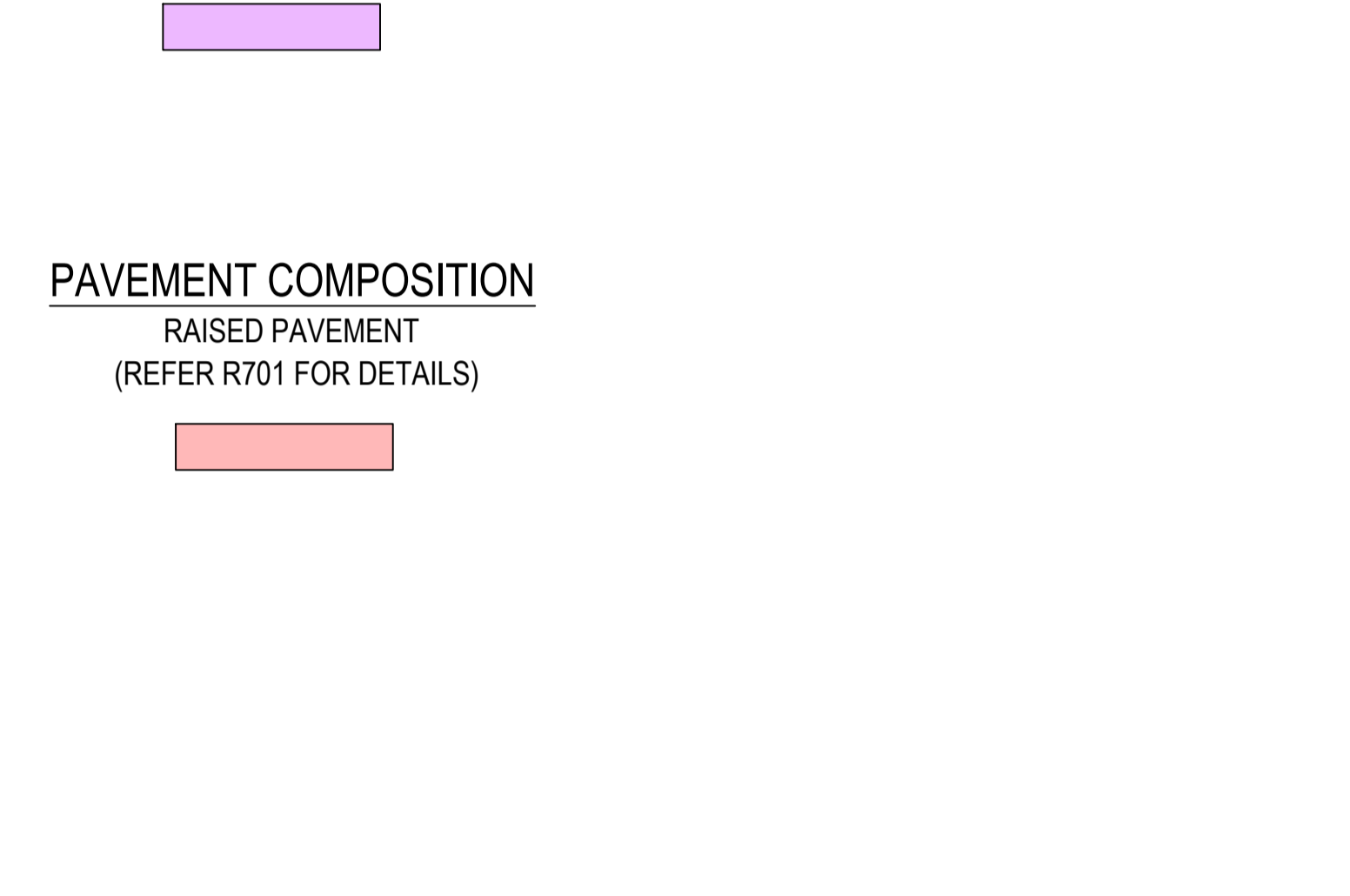
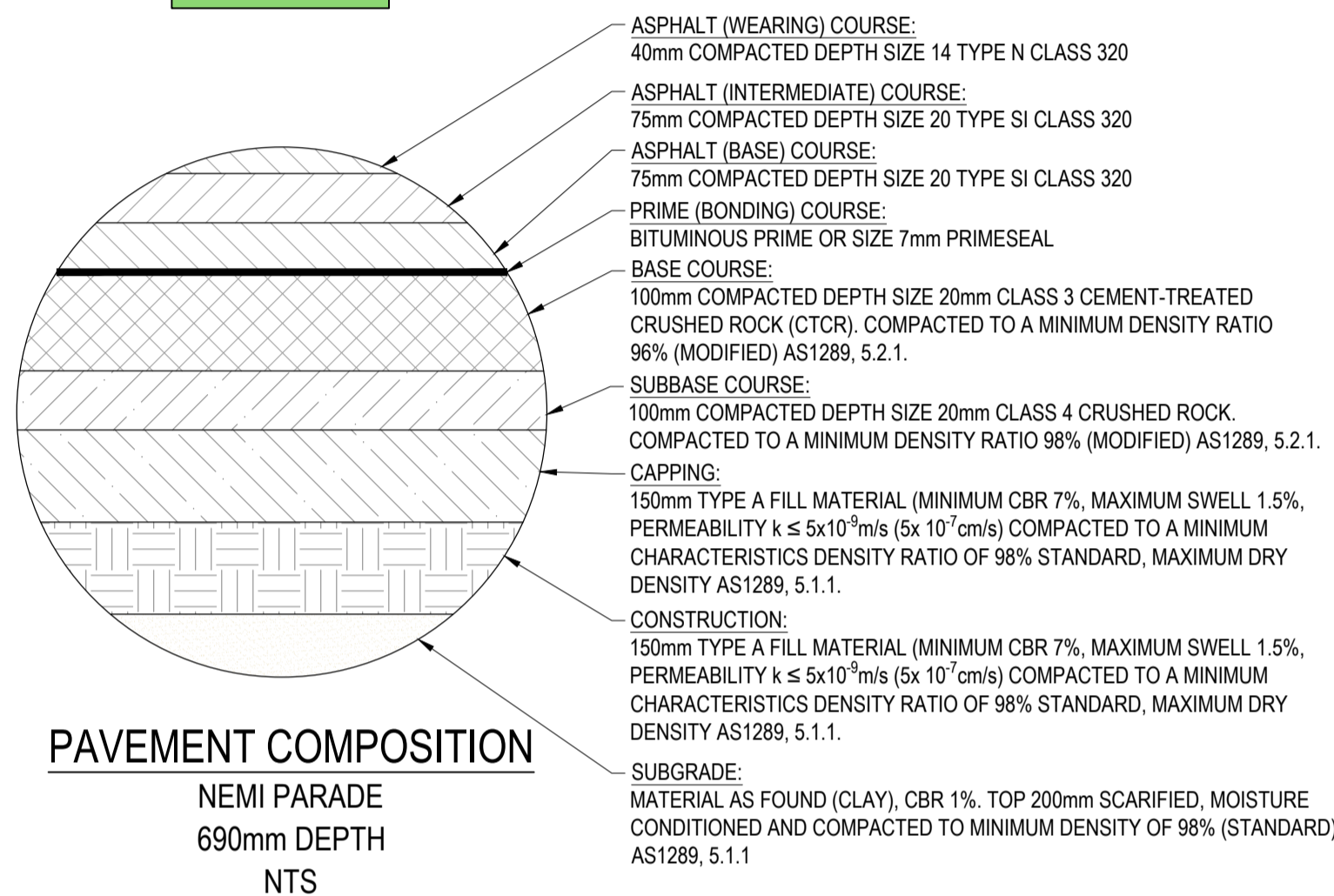
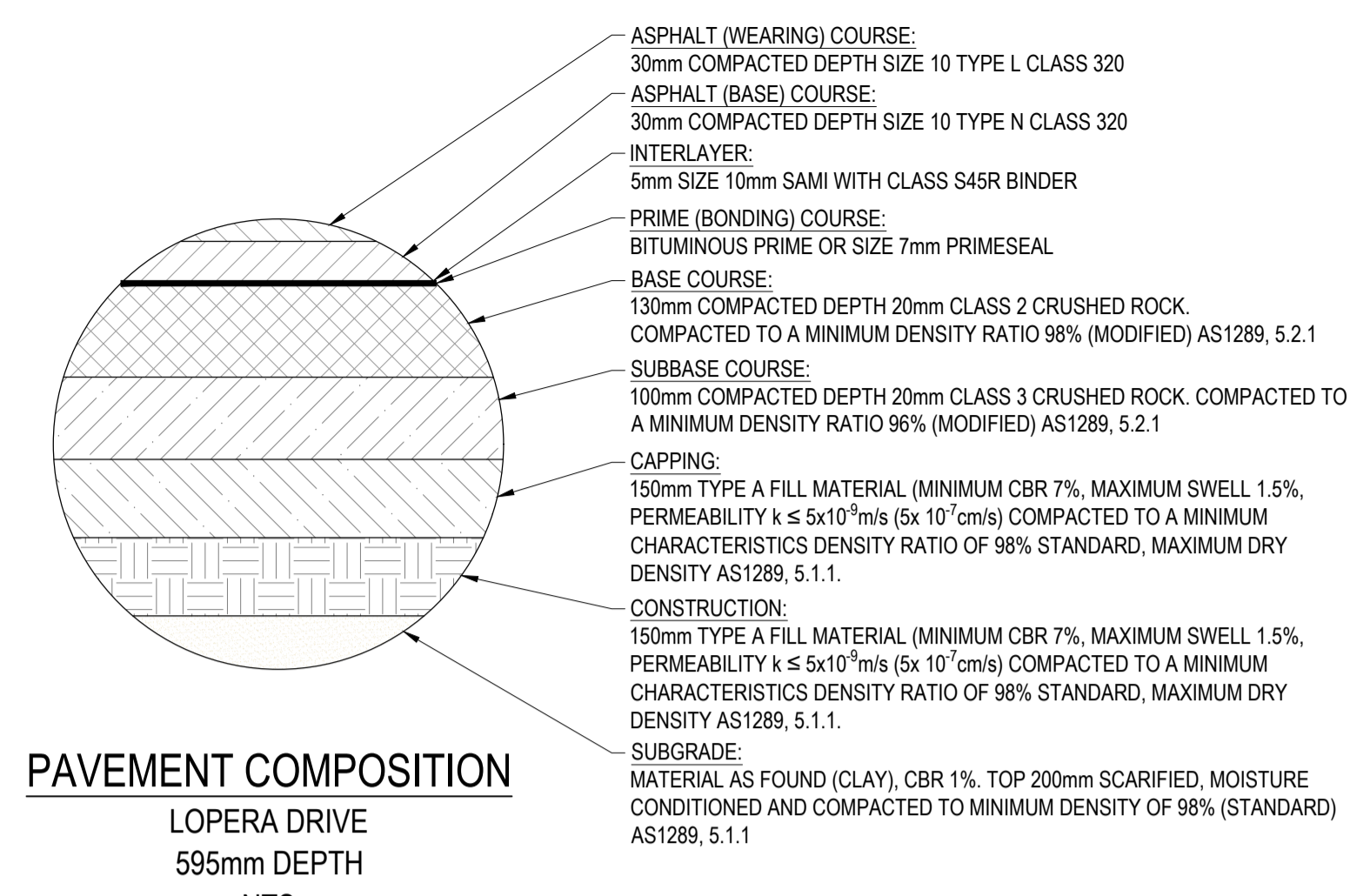
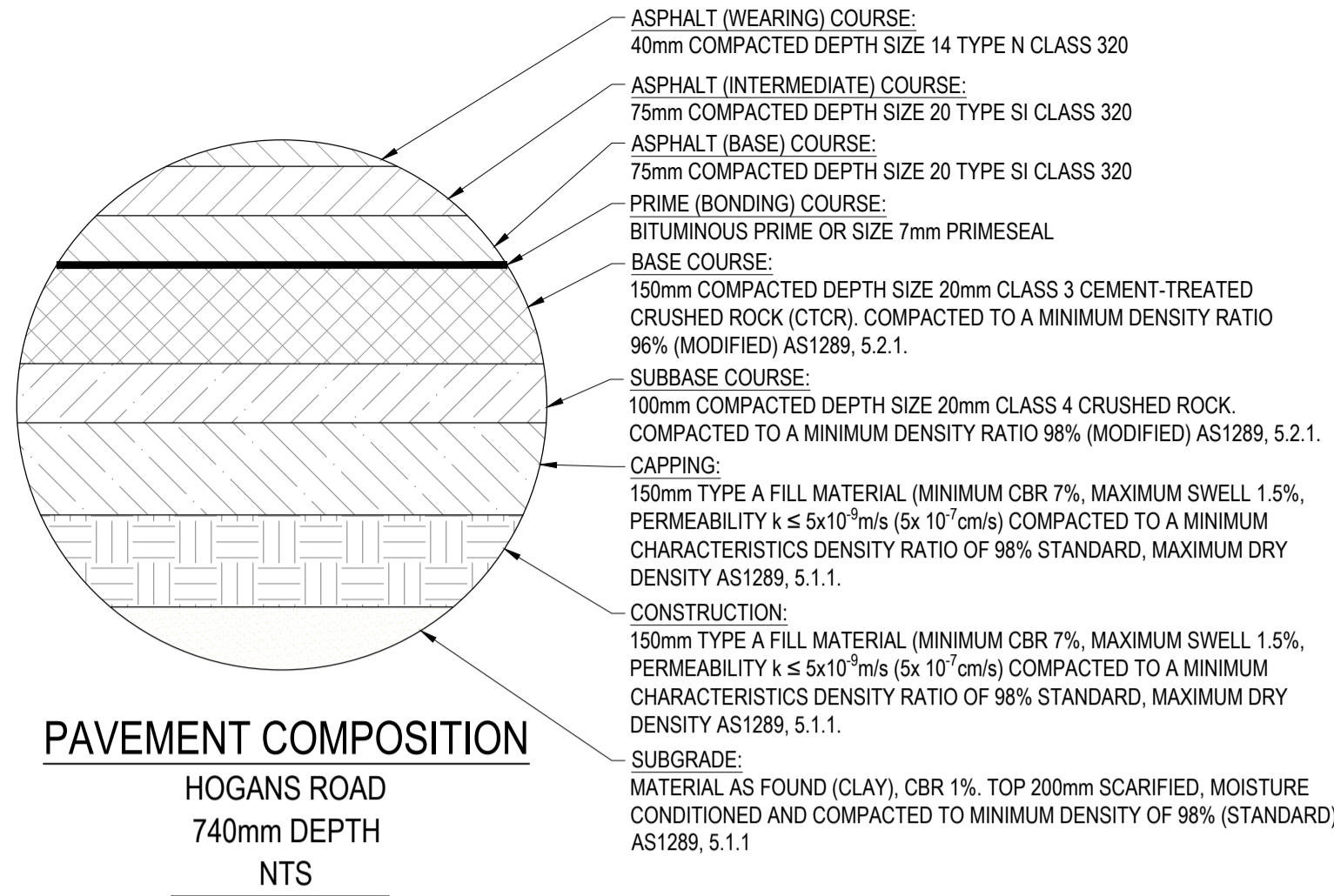
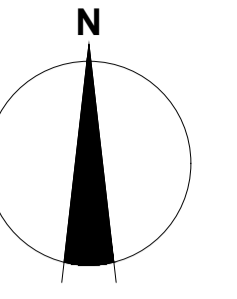
**ALAMORA - STAGE 11  
DRAINAGE PIT SCHEDULE - 2**

STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R609</b>	<b>AC</b>

P:\2020\2022 - ALAMORA - TARNET\2022 - TICHILD DRAFTING\AC\2022\11 - R609 - DRAINAGE LONG SECTIONS.DWG



**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**  
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

**PAVEMENT DESIGNS**  
ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN TAYLOR. CREO IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE UPON REQUEST.

**PAVEMENT PLAN**



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PAVEMENT COMPOSITION AMENED	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade  
East Melbourne, VIC, Australia 3002

DRAWING TITLE

**ALAMORA - STAGE 11**  
**TYPICAL DETAILS - 1**

STATUS

**AS CONSTRUCTED**

SCALE AT A1

AS SHOWN

PROJECT ENGINEER: M.TROUNCE

PROJECT No: **200282.11**

DRAWN: C.ROHDE

DESIGNED: C.ROHDE

DATE FIRST ISSUE: SEPTEMBER 2022

DRAWING No: **R700**

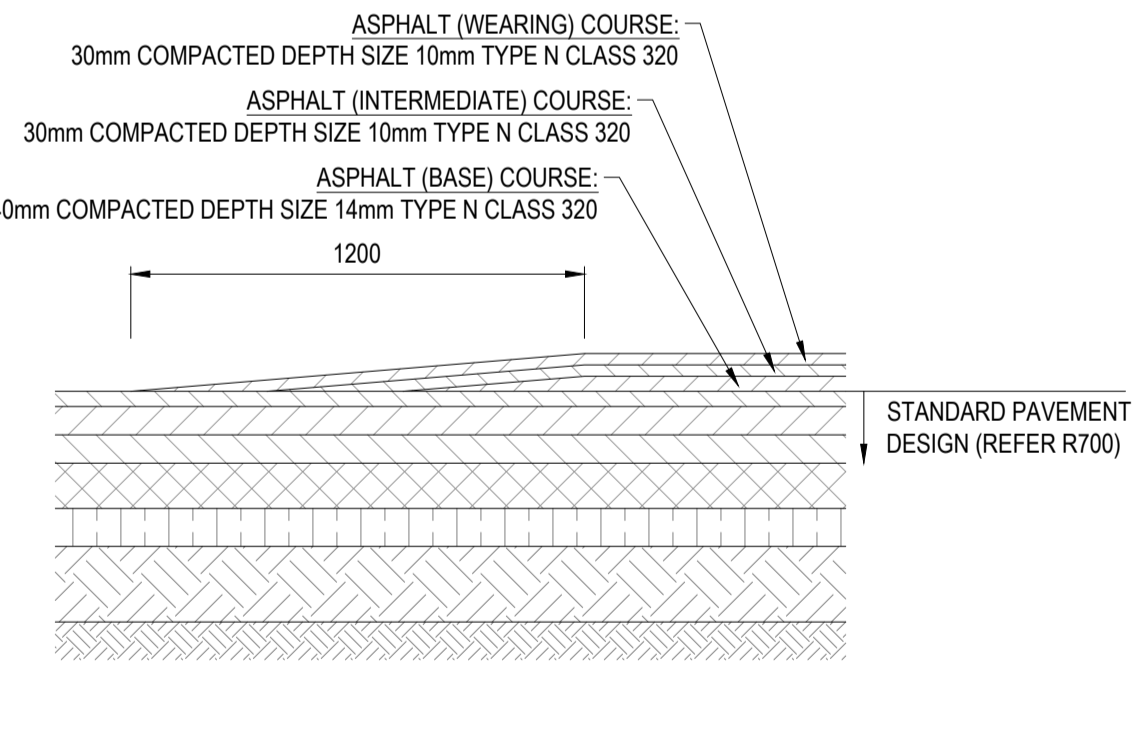
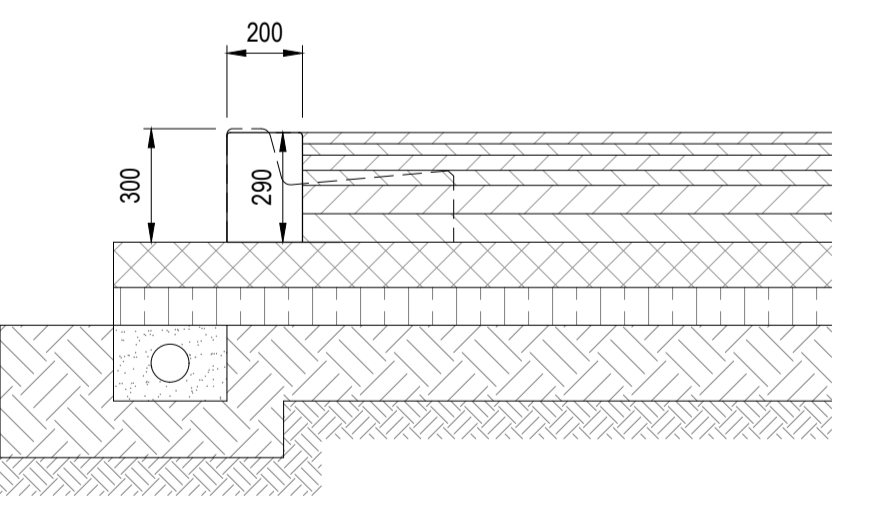
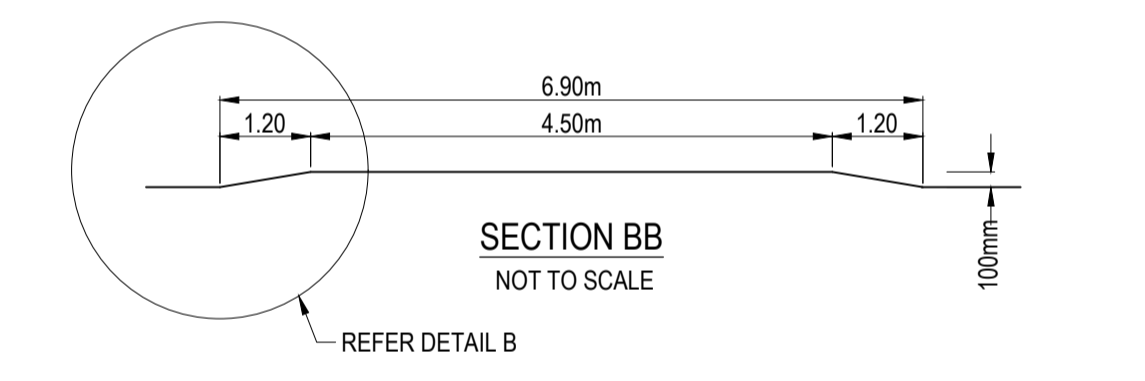
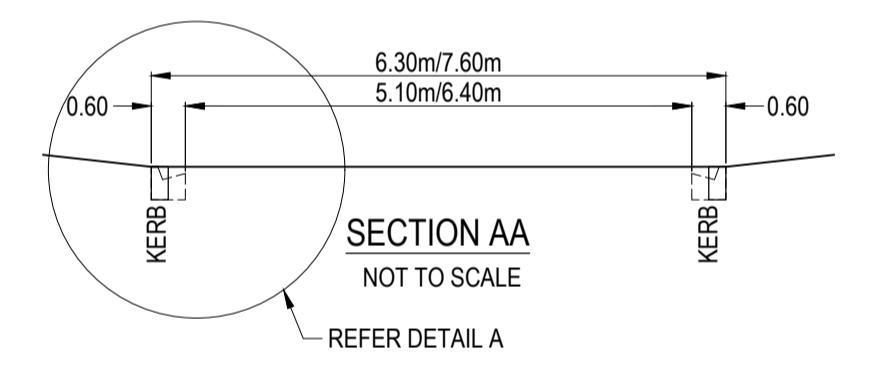
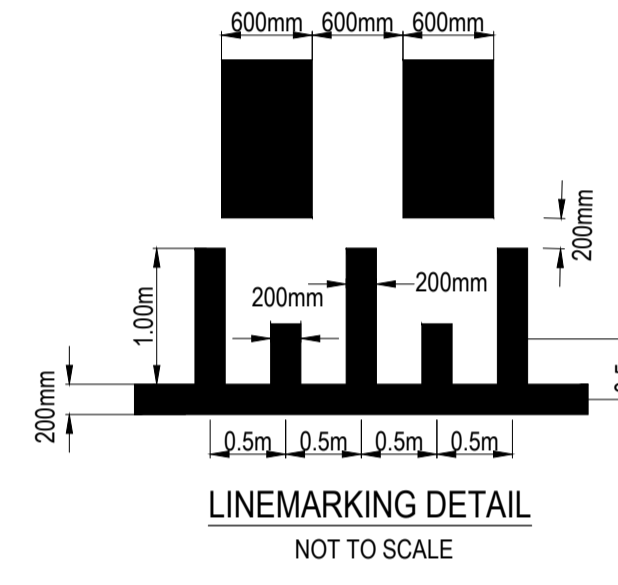
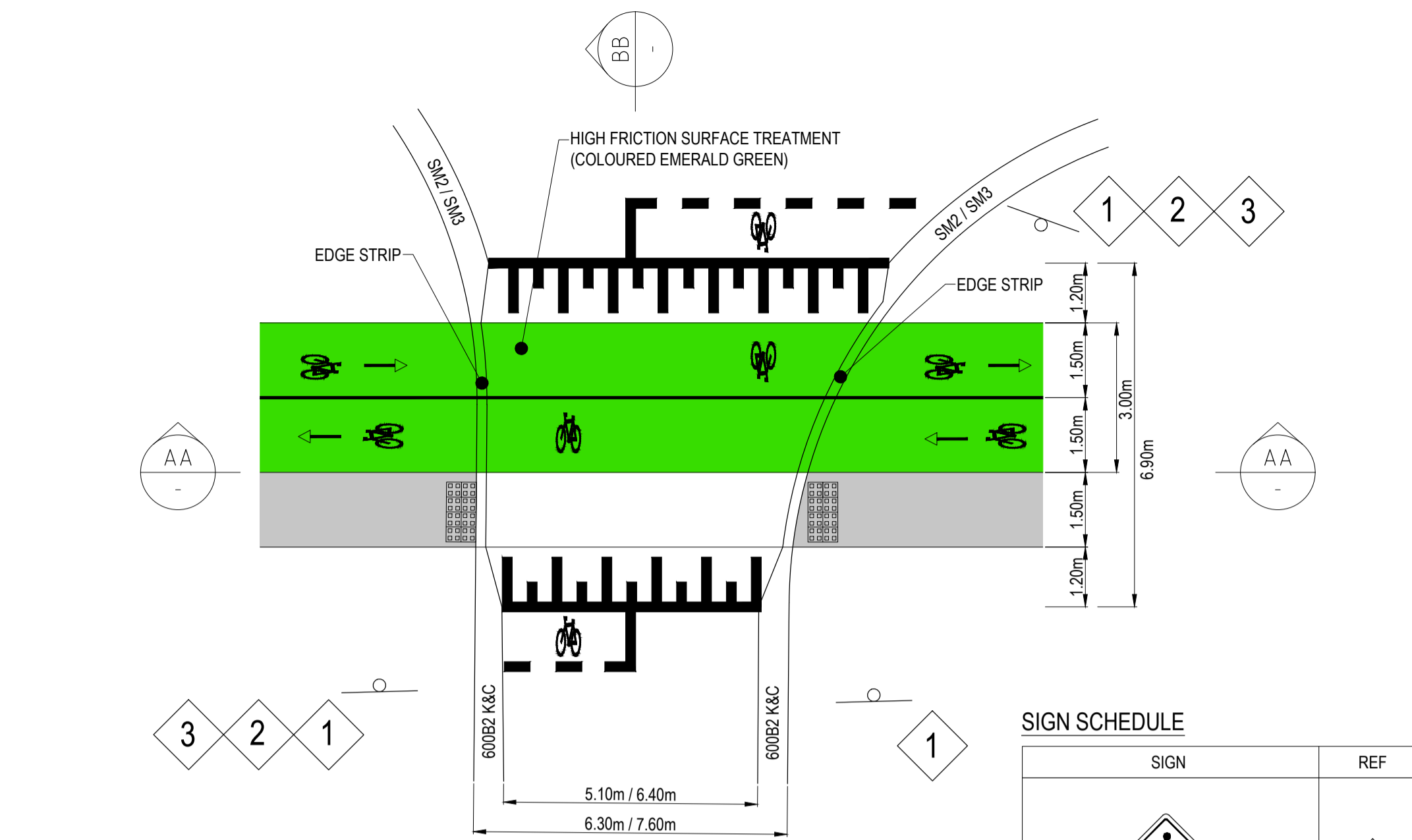
REVISION: **AC**

### RESIDENTIAL CROSSOVER SCHEDULE

LOT NO.	CROSS OVER WIDTH (m)	CROSS OVER OFFSET (m)	CROSS OVER LOCATION
1101	3.5	0	WEST BL
1102	3.5	0	EAST BL
1103	3.5	0	NORTH BL
1104	3.5	0	SOUTH BL
1105	3.5	0	WEST BL
1106	3.5	0	EAST BL
1107	3.5	0.75	EAST BL
1108	3.5	0.75	EAST BL
1109	3.5	0.75	EAST BL
1110	3.5	0.75	EAST BL
1111	3.5	0.75	EAST BL
1112	3.5	0.75	EAST BL
1113	3.5	0.75	WEST BL
1114	3.5	0.75	WEST BL
1115	3.5	0.75	WEST BL
1116	3.5	0.75	WEST BL
1117	3.5	0.75	EAST BL
1118	3.5	0	EAST BL
1119	3.5	0	WEST BL
1120	3.5	0.75	NORTH BL
1121	3.5	0	NORTH BL
1122	3.5	0	SOUTH BL
1123	3.5	0.75	WEST BL
1124	3.5	0	WEST BL
1125	3.5	0	EAST BL
1126	3.5	0.75	WEST BL
1127	3.5	0.75	WEST BL
1128	3.5	0	WEST BL
1129	3.5	0	EAST BL
1130	3.5	0.75	EAST BL
1131	3.5	0	EAST BL
1132	3.5	0	WEST BL
1133	3.5	0.75	WEST BL
1134	3.5	0.75	SOUTH BL
FUTURE LOT (NORTH OF 1134)	3.5	0.75	SOUTH BL
1135	3.5	0.75	SOUTH BL
1136	3.5	0.75	SOUTH BL
1137	3.5	0	EAST BL
1138	3.5	0	WEST BL
1139	3.5	0	EAST BL
1140	3.5	0	WEST BL
1141	3.5	0.75	SOUTH BL
1142	3.5	0.75	SOUTH BL
1143	3.5	0.75	SOUTH BL
1144	3.5	0.75	SOUTH BL
1145	3.5	0	SOUTH BL
1146	3.5	0	NORTH BL
1147	3.5	0.75	NORTH BL
1148	3.5	0	SOUTH BL
1149	3.5	0	NORTH BL
1150	3.5	0.75	NORTH BL
1151	3.5	0	SOUTH BL
1152	3.5	0	NORTH BL
1153	3.5	0	SOUTH BL
1154	3.5	0	NORTH BL
1155	3.5	0.75	NORTH BL
1156	3.5	0.75	EAST BL
1157	3.5	0.75	EAST BL

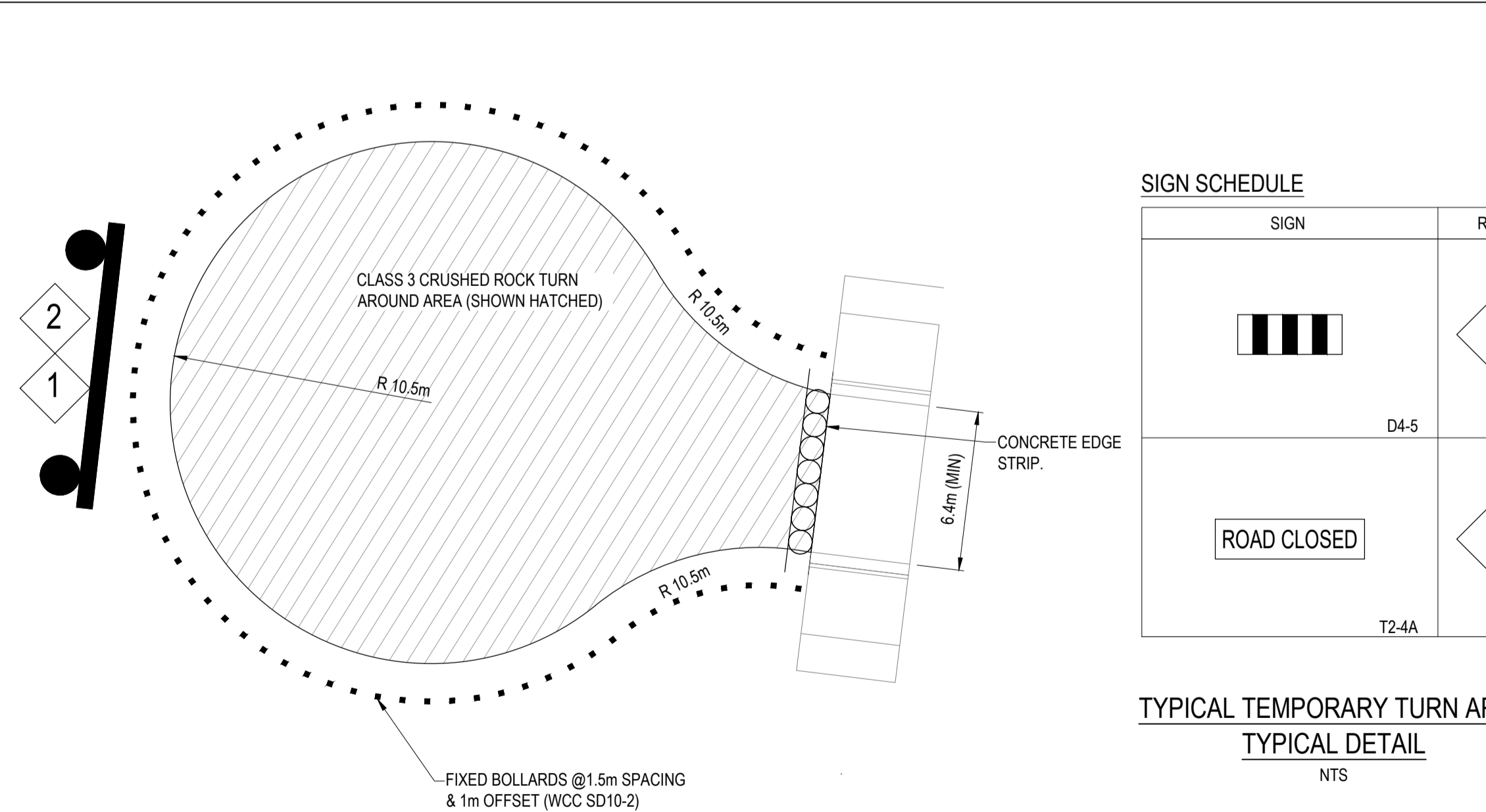
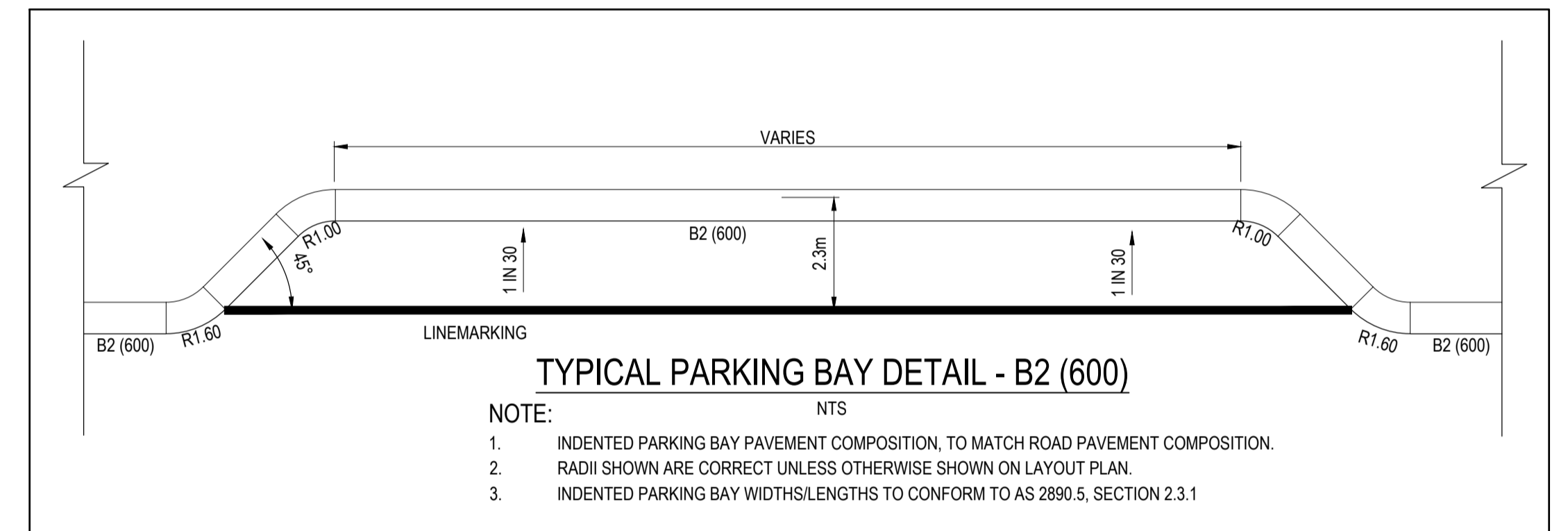
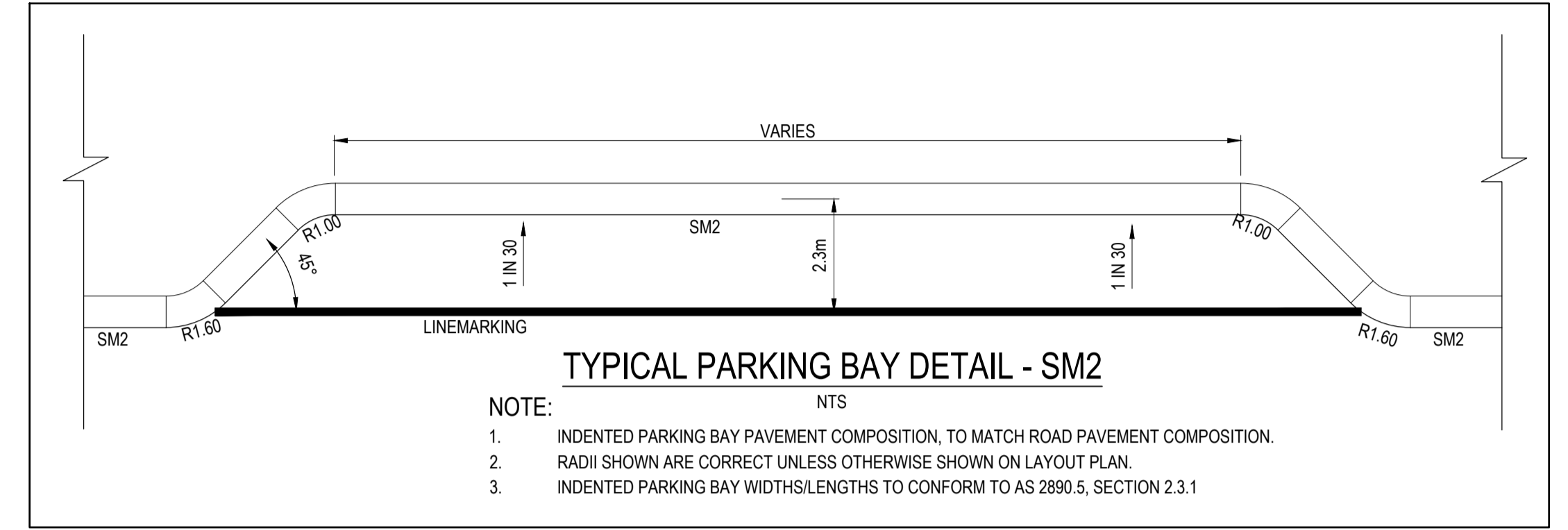
RESIDENTIAL VEHICLE CROSSINGS ARE TO BE PROVIDED IN ACCORDANCE WITH WCC SD4-1 (SINGLE) AND WCC SD4-3 (DOUBLE)

**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
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**DIAL 1100 BEFORE YOU DIG**  
[www.1100.com.au](http://www.1100.com.au)



### RAISED PAVEMENT DETAIL

NOT TO SCALE



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	RAISED PAVEMENT & TEMP TRUN AREA DETAILS AMENDED	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

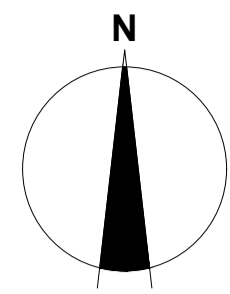


DRAWING TITLE  
**ALAMORA - STAGE 11**  
**TYPICAL DETAILS - 2**

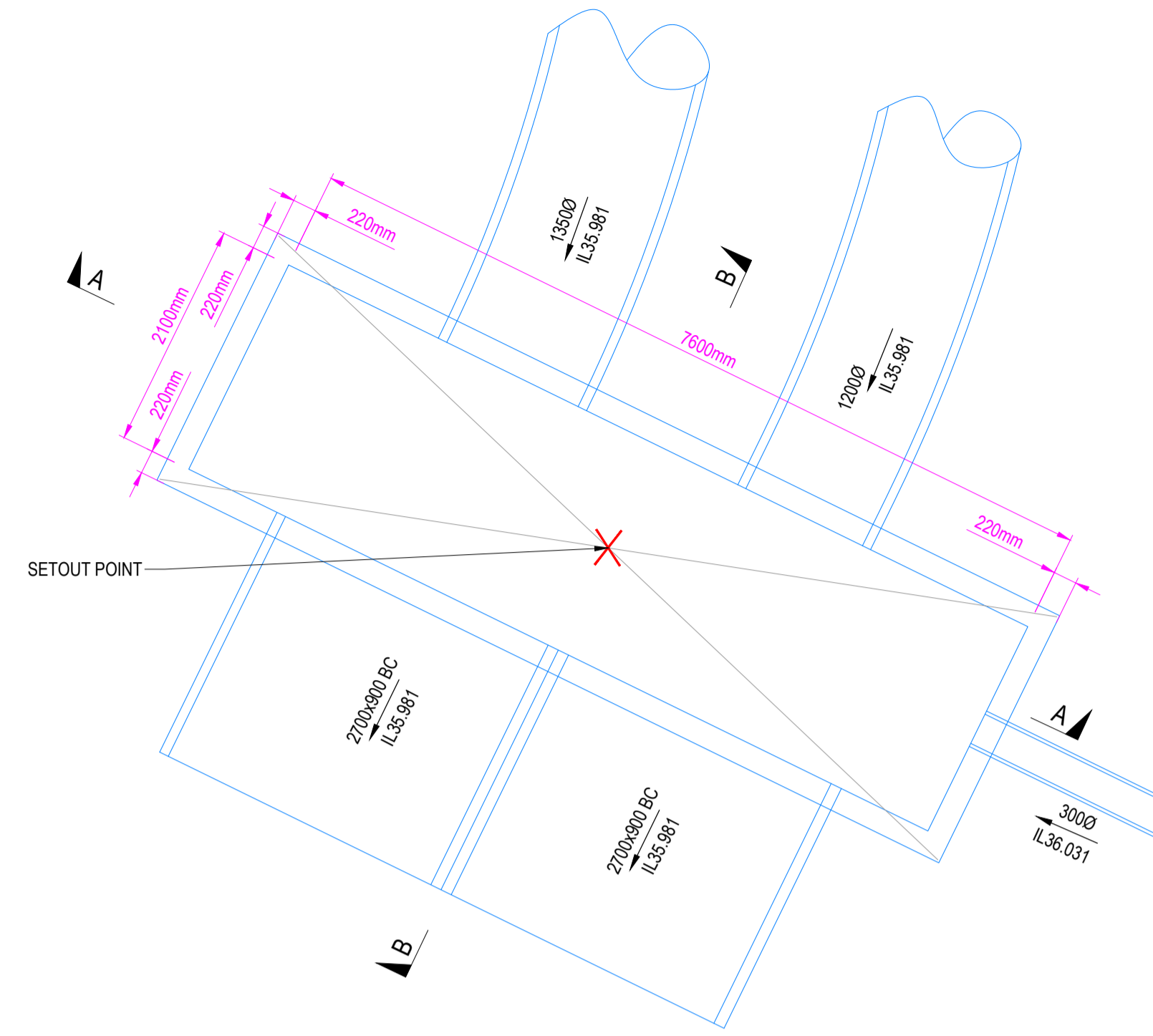
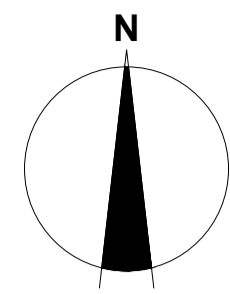
STATUS  
**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R701</b>	<b>AC</b>

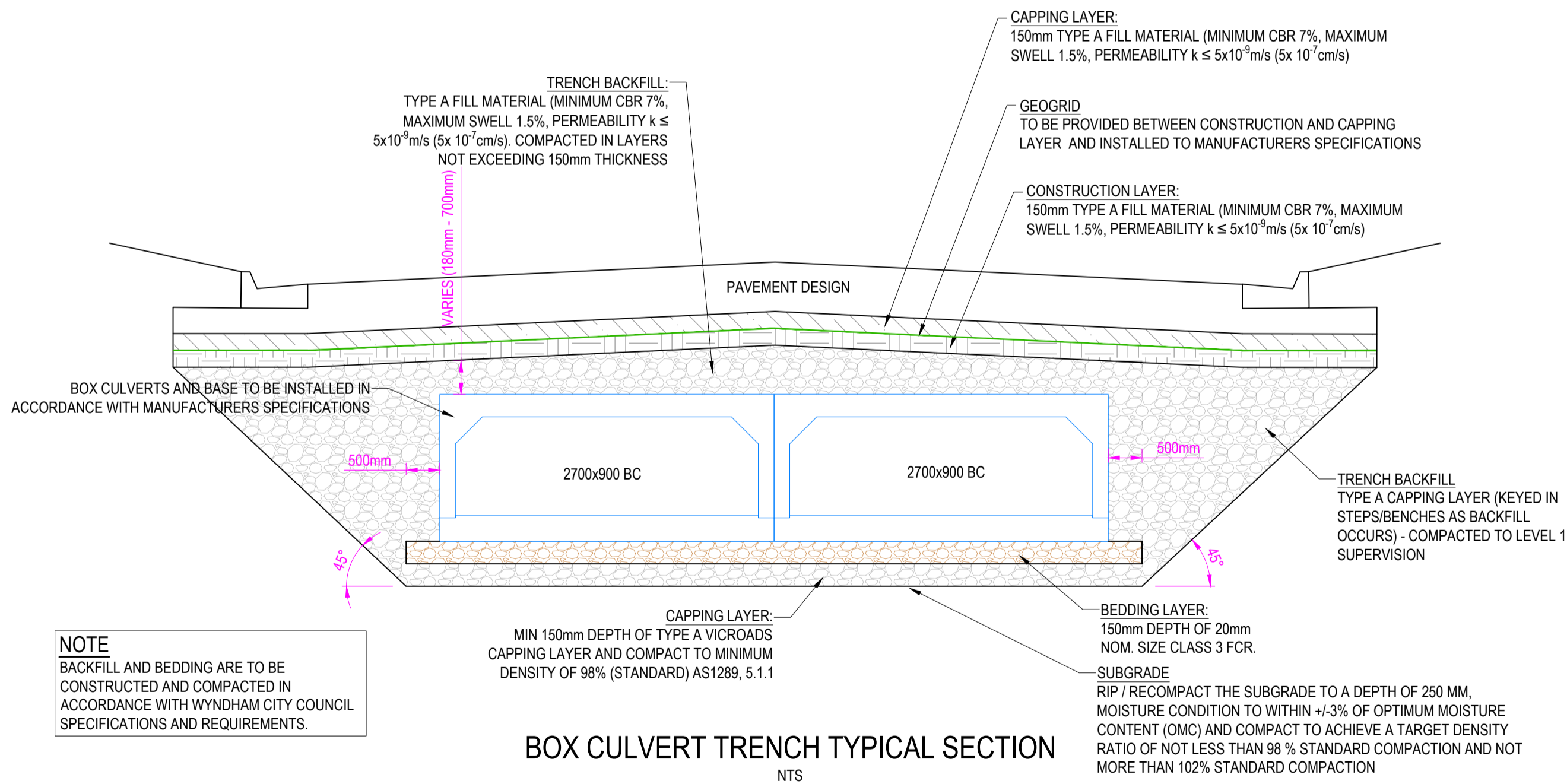




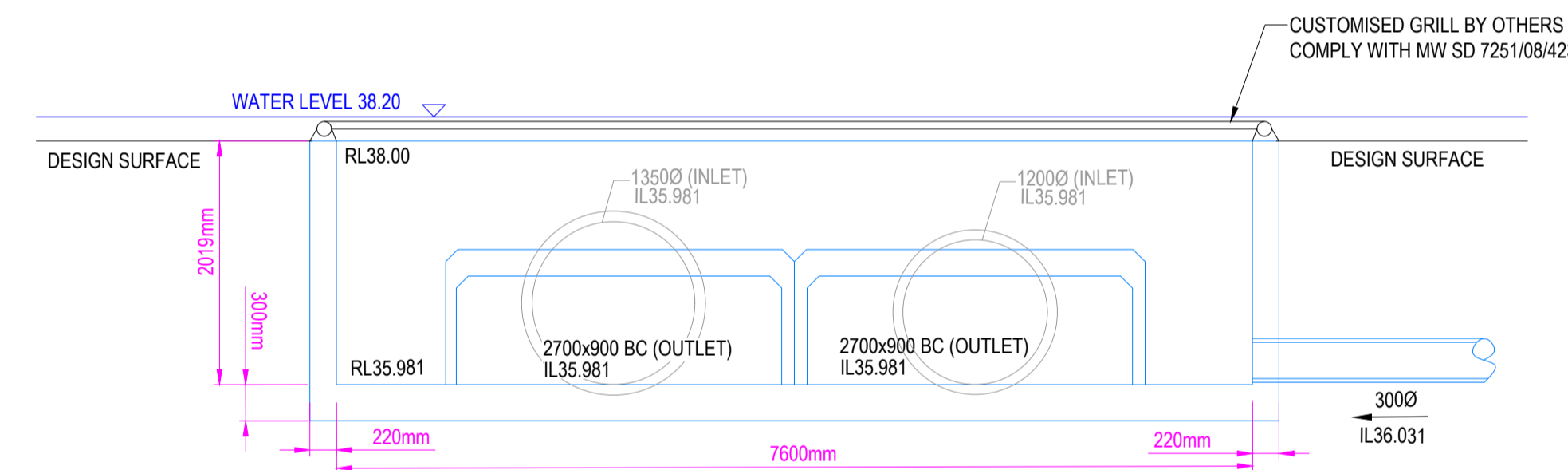
'SKEWED' BOX CULVERT DETAIL (TP5)  
PLAN VIEW  
1:50



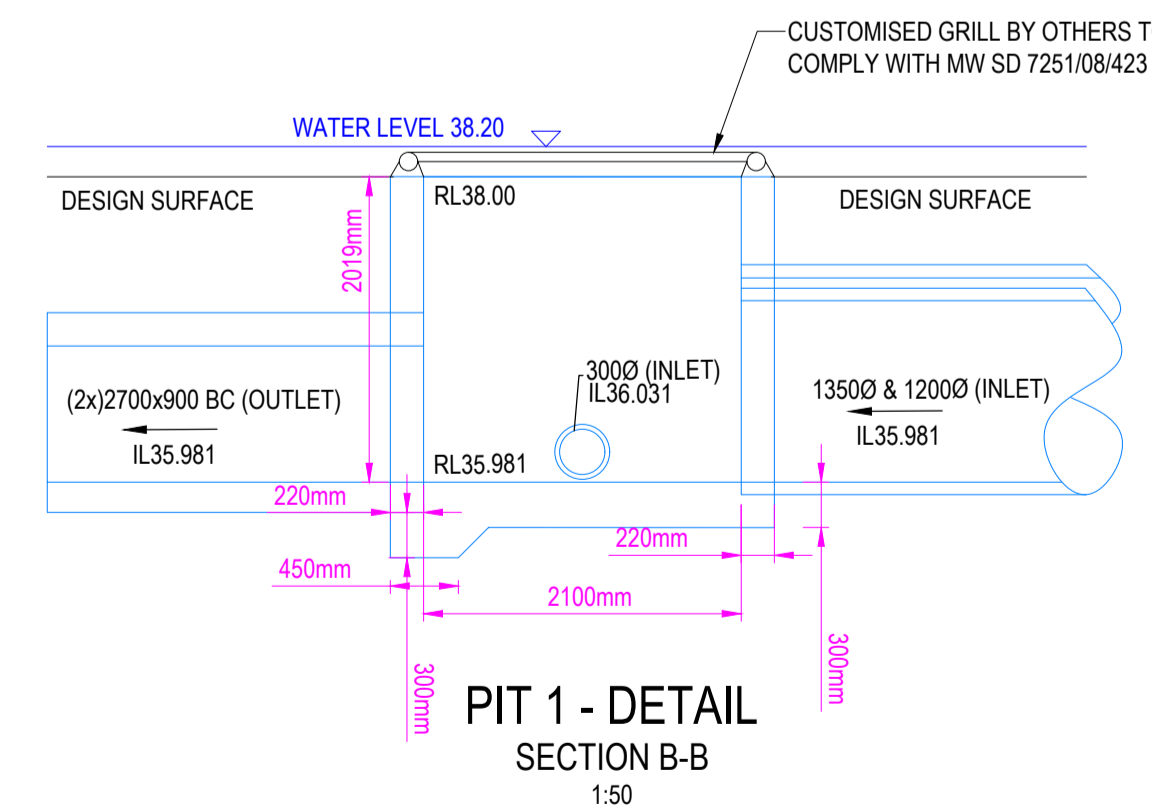
PIT 1 - DETAIL  
PLAN VIEW  
1:50



BOX CULVERT TRENCH TYPICAL SECTION  
NTS



PIT 1 - DETAIL  
SECTION A-A  
1:50



PIT 1 - DETAIL  
SECTION B-B  
1:50

NOTE: REFER 200282.11\_S01-S04 FOR STRUCTURAL DESIGN AND CONSTRUCTION REQUIREMENTS.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	23/07/23	CULVERT TRENCH DETAIL AMENDED PER GEOTECH ADVICE	M.T.	M.T.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PLAN RESUBMISSION FOR APPROVAL	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Level 7, 176 Wellington Parade  
East Melbourne, VIC, Australia 3002

DRAWING TITLE

ALAMORA - STAGE 11  
TYPICAL DETAILS - 3

STATUS

AS CONSTRUCTED

SCALE AT A1

AS SHOWN

DRAWN: C.ROHDE

DESIGNED: C.ROHDE

PROJECT ENGINEER: M.TROUNCE

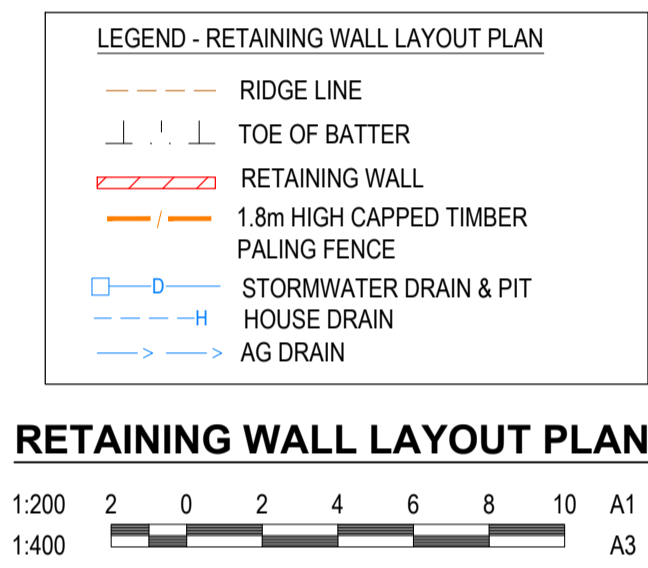
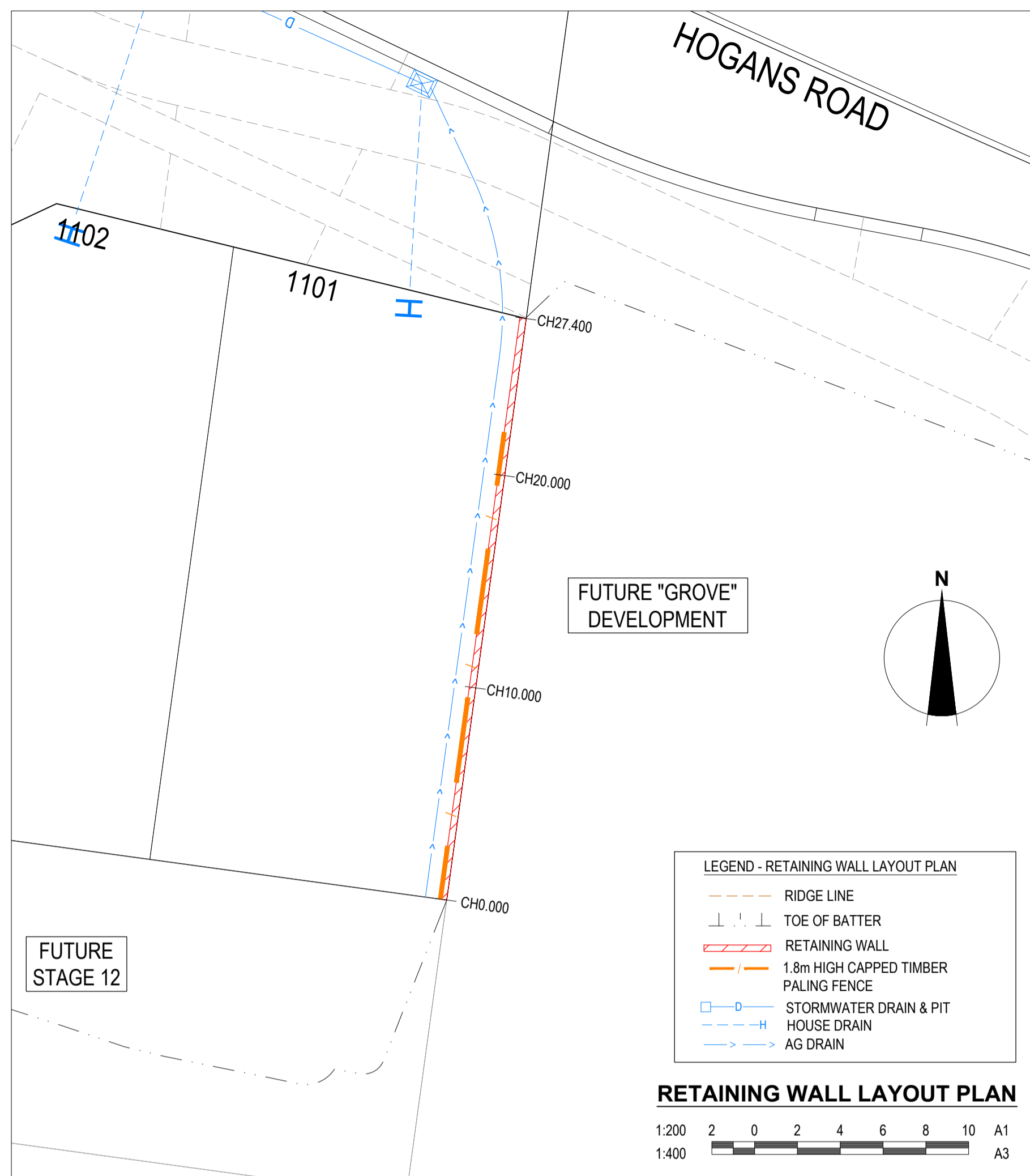
PROJECT MANAGER: M.TROUNCE

DATE FIRST ISSUE: SEPTEMBER 2022

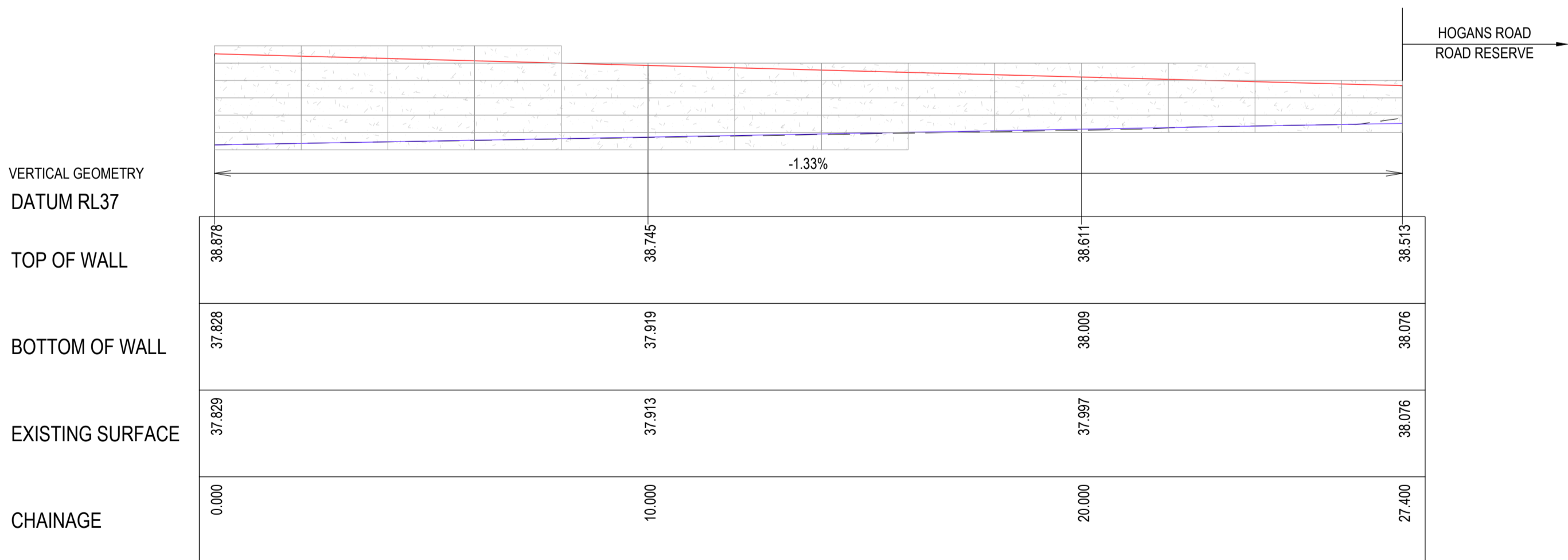
PROJECT No: 200282.11

DRAWING No: R702

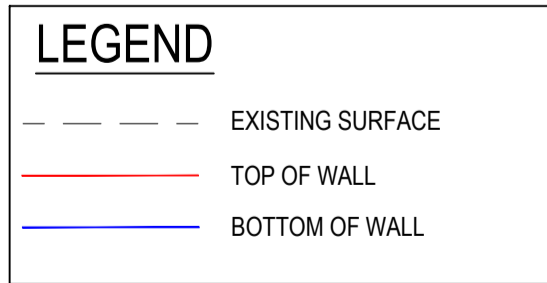
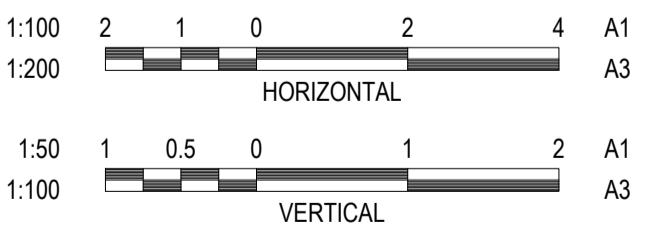
REVISION: AC



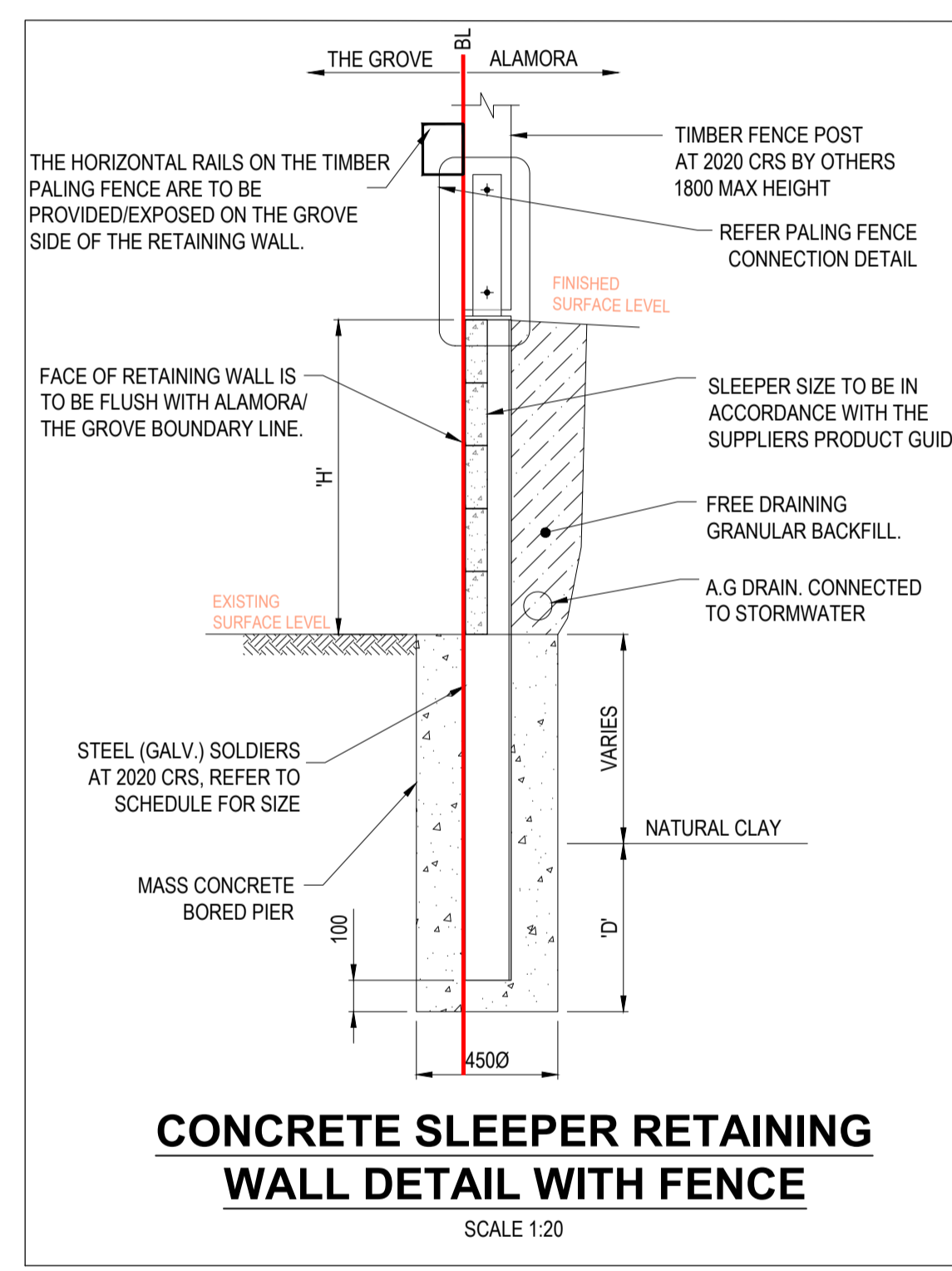
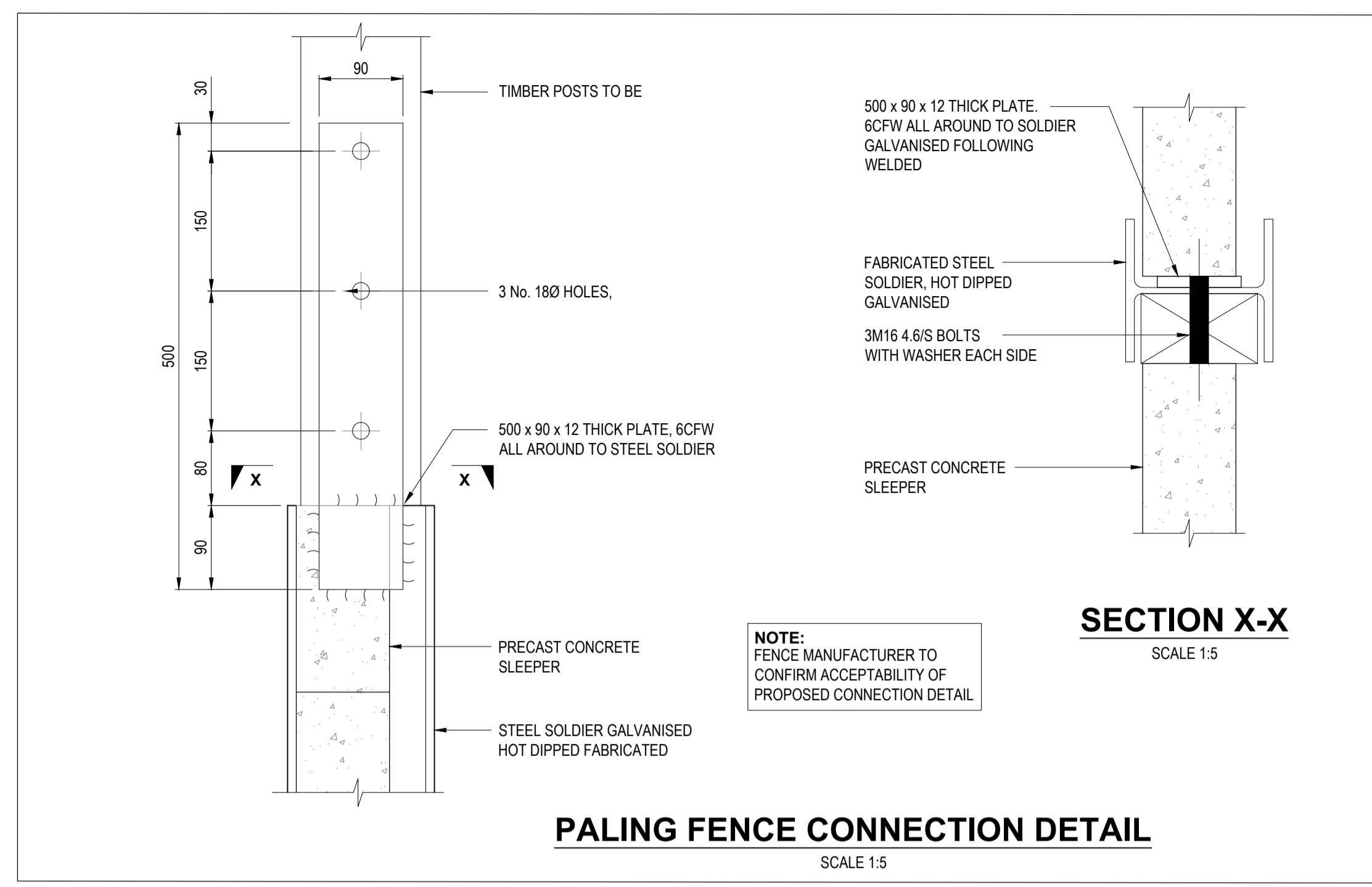
**NOTE:**  
CONCRETE SLEEPERS ARE SHOWN INDICATIVELY ONLY. CONTRACTOR TO PROVIDE AS APPROPRIATE ONSITE.



RETAINING WALL LONGITUDINAL SECTION



**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
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**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

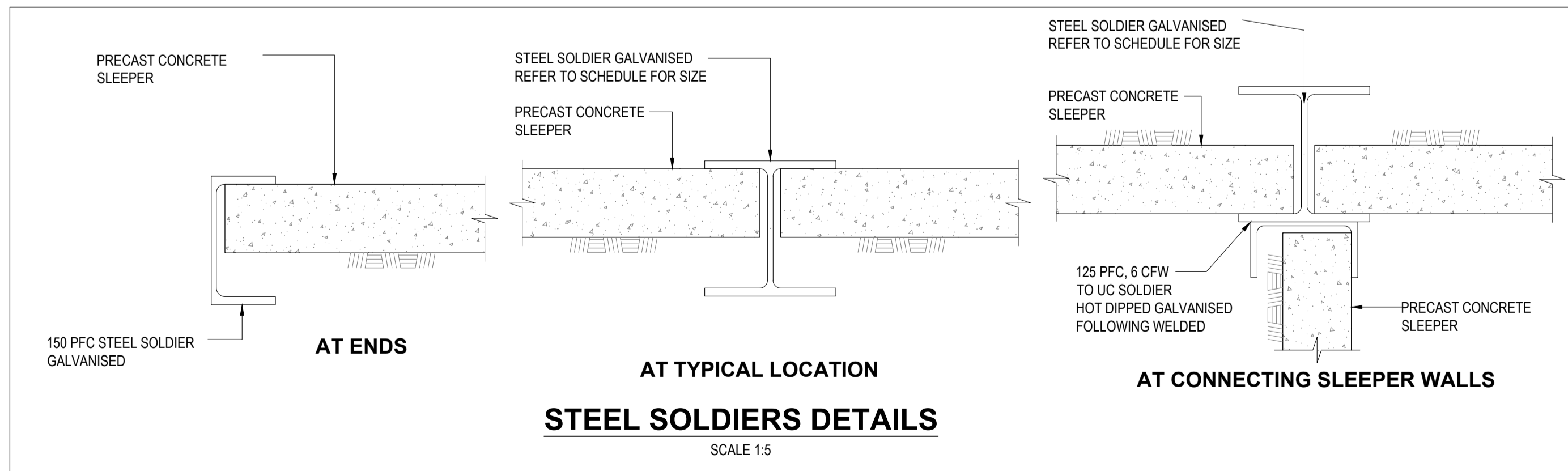


**SLEEPER RETAINING WALL SCHEDULE (WITHOUT FENCE)**

WALL HEIGHT 'H' mm	FOOTING DEPTH 'D' mm	SOLDIER SIZE
0 - 400	600	150 UC 23
400 - 800	1100	150 UC 23
800 - 1200	1600	150 UC 23
1200 - 1600	2200	150 UC 30

**SLEEPER RETAINING WALL SCHEDULE (WITH FENCE)**

WALL HEIGHT 'H' mm	FOOTING DEPTH 'D' mm	SOLDIER SIZE
0 - 400	1400	150 UC 23
400 - 800	1700	150 UC 23
800 - 1200	2100	150 UC 30
1200 - 1600	2600	150 UC 30



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	PLAN RESUBMISSION FOR APPROVAL	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

**villawood properties**  
Communities Designed for Living

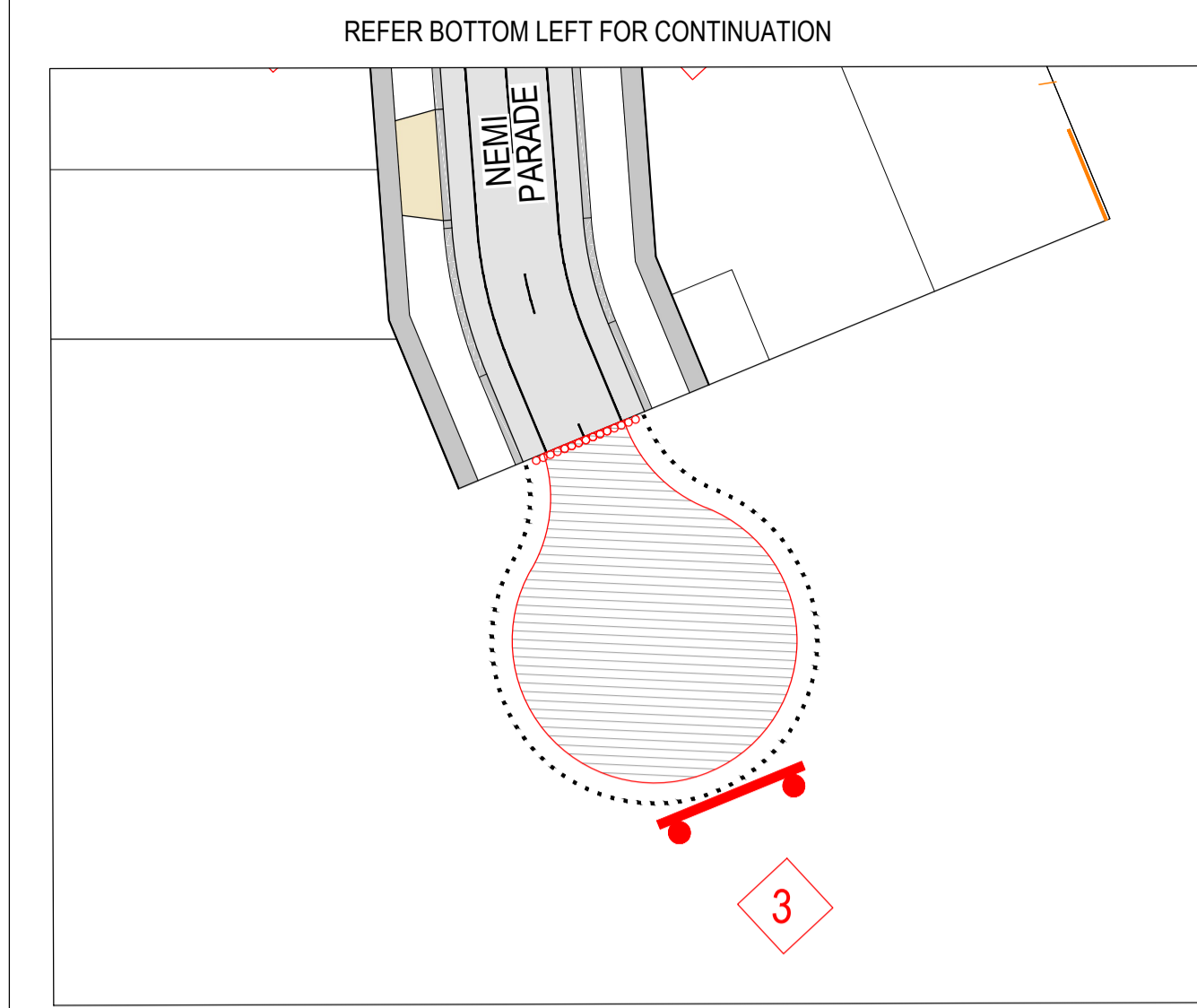
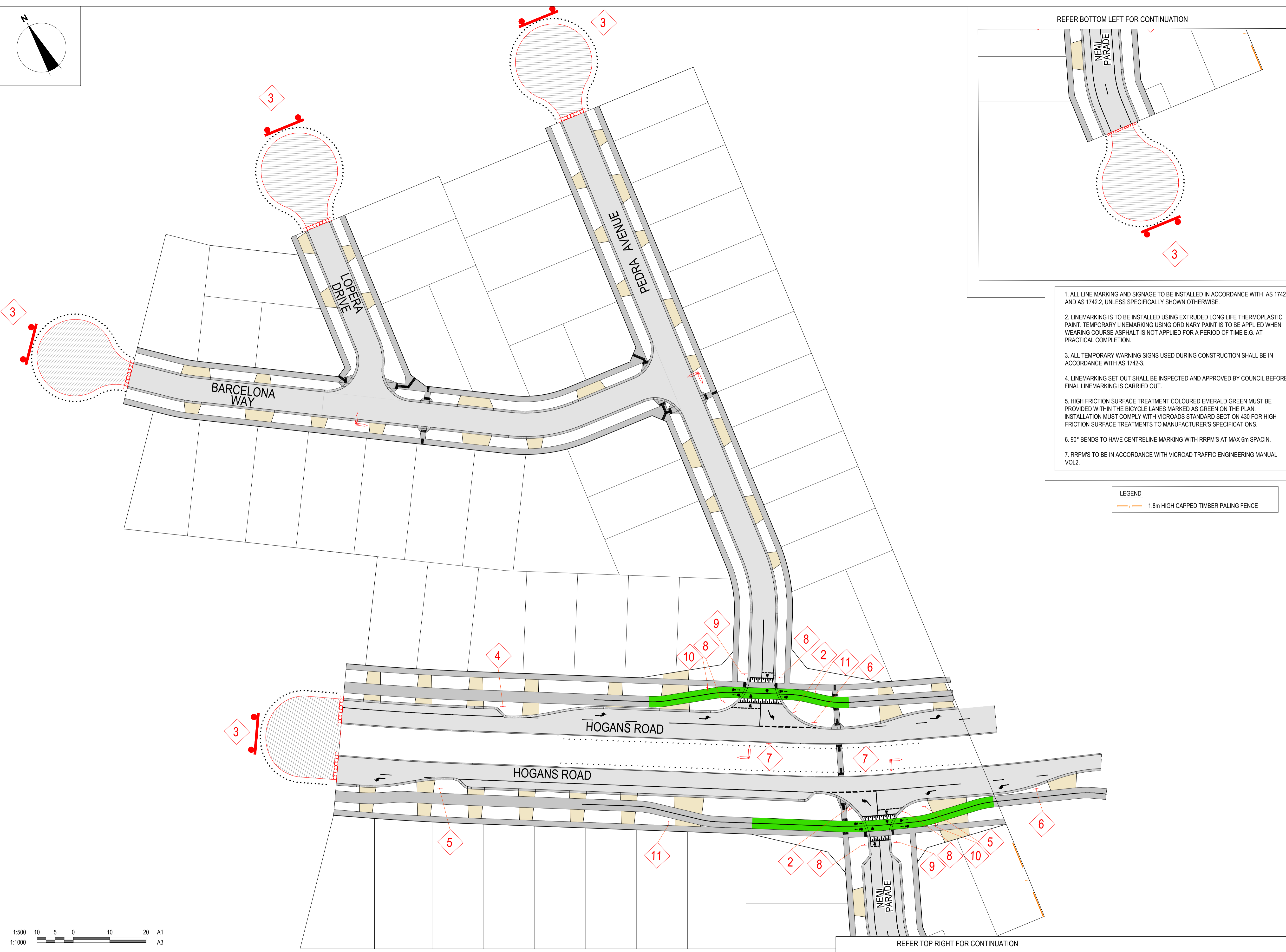
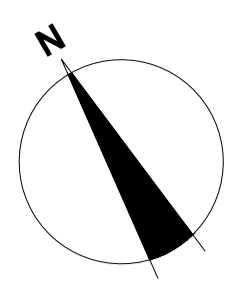
**creo CONSULTANTS**  
Level 7, 176 Wellington Parade  
East Melbourne, VIC, Australia 3002

**ALAMORA**  
Tarnait

**ALAMORA - STAGE 11 RETAINING WALL DETAILS**

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
<b>200282.11</b>	<b>R703</b>	<b>AC</b>



1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
2. 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.
3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN MUST BE PROVIDED WITHIN THE BICYCLE LANES MARKED AS GREEN ON THE PLAN. INSTALLATION MUST COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENTS TO MANUFACTURER'S SPECIFICATIONS.
6. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACIN.
7. RRPMS TO BE IN ACCORDANCE WITH VICROAD TRAFFIC ENGINEERING MANUAL VOL2.

**LEGEND**  
 1.8m HIGH CAPPED TIMBER PALING FENCE

**SIGN SCHEDULE**

SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN		
	2	2No.
	3	5No.
	4	1No.
	5	1No.
	6	2No.
	7	2No.
	9	2No.
	8	4No.
	9	2No.
	10	2No.
	11	2No.

**STREET SIGN SCHEDULE**

HOGANS RD	2No.
NEMI PDE	1No.
PADRE AVE	2No.
BARCELONA WAY	2No.
LOPERA DR	1No.

1:500 10 5 0 10 20 A1  
 1:1000 A3

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	M.T.	AC
1	19/05/23	MINOR DRAINAGE ADJUSTMENTS & ADDED TURN LANE	M.P.	C.R.	M.T.
0	05/04/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
D	20/03/23	ALTERED PIT 1 DETAILS (COUNCIL COMMENTS)	C.R.	C.R.	M.T.
C	27/02/23	THE GROVE INTERFACE AMENDMENTS	A.N.	C.R.	M.T.
B	02/11/22	COUNCIL COMMENTS AMENDMENT	M.R.	C.R.	M.T.
A	16/09/22	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street  
Geelong, VIC, Australia 3220

DRAWING TITLE

**ALAMORA - STAGE 11  
SIGNAGE & LINEMARKING PLAN**

STATUS

**AS CONSTRUCTED**

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	SEPTEMBER 2022
PROJECT No.	DRAWING No.	REVISION
200282.11	R800	AC