

TBM POINTS & LOCATIONS				
Name	Type	Easting	Northing	RL
C410SSPL	STAR PICKET	292021.06	5807793.33	41.15
C402SSPL	STAR PICKET	292228.96	5807671.13	40.22
C403SSPL	STAR PICKET	292081.86	5807579.35	39.76

PSM POINTS & LOCATIONS			
Name	Easting	Northing	RL
TARNEIT PM 218	290115.9330	5809233.5050	51.1800
TARNEIT PM 763	290913.1460	5809148.9510	53.8020
WERRIBEE PM 160	289942.2480	5807663.5340	41.8350

ALAMORA

STAGE 16

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 TBMS 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 600mm 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.
- WHERE DRAINAGE AND SEWER ARE IN CLOSE PROXIMITY, COMPACTION TO BE IN ACCORDANCE WITH SD6-10.

UTILITIES:

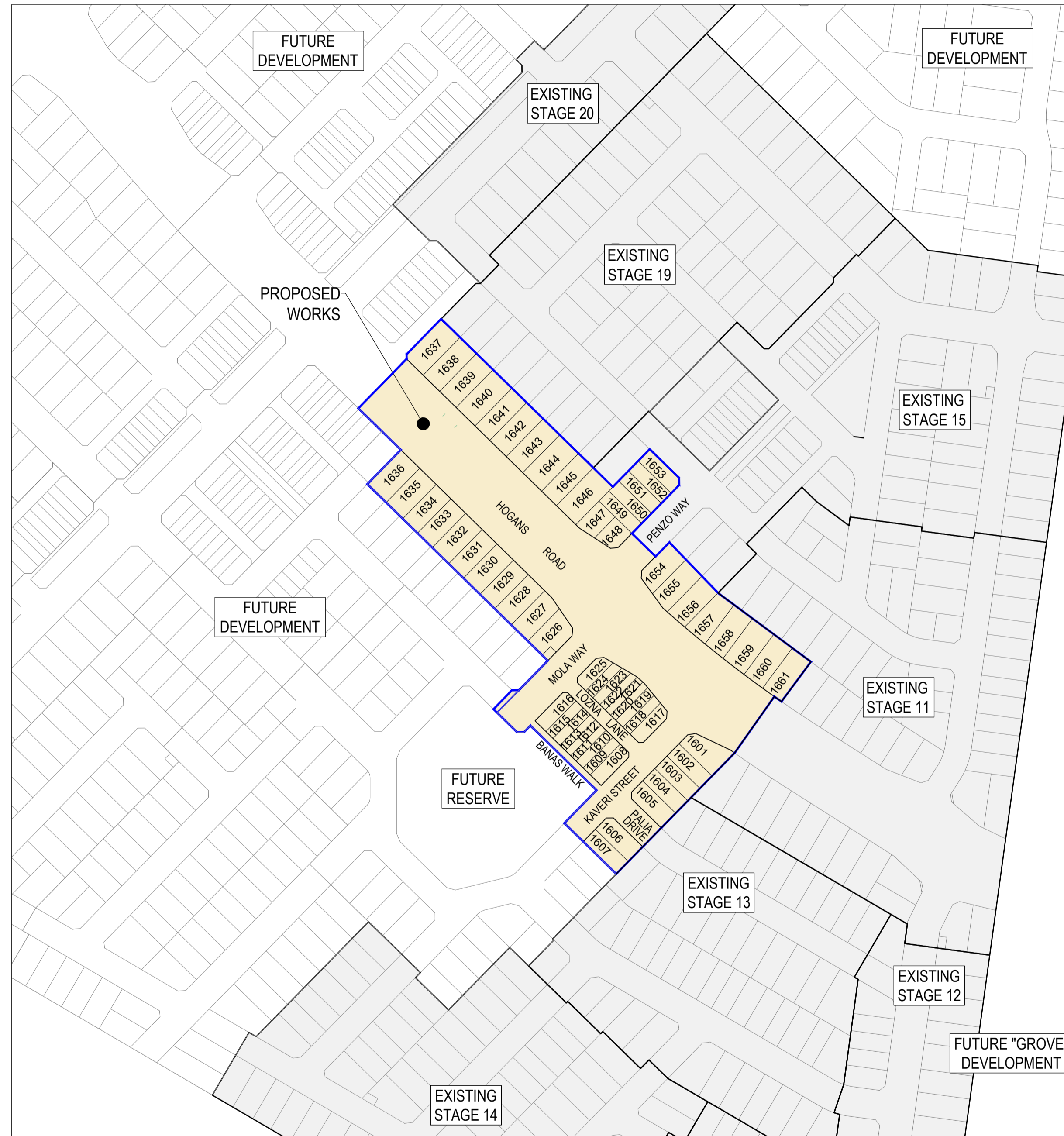
- SERVICE CONDUITS ARE TO BE INSTALLED AT THE LOCATIONS SHOWN ON THIS DRAWING. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON KERB & CHANNEL AS PER EDM 303. SERVICE CONDUITS THAT ARE SUBJECT TO AMENDMENT SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT.
- ALL CONDUIT 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 ONSITE 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

MELWAYS REF: 234 E7

Drawing Index

Drawing No.	Drawing Title	Revision
R100	COVER SHEET	0
R200	LAYOUT PLAN	0
R201	SERVICES PLAN	0
R202	EARTHWORKS PLAN	0
R203	TYPICAL CROSS SECTIONS	0
R300	INTERSECTION DETAILS - 1	0
R301	INTERSECTION DETAILS - 2	0
R302	INTERSECTION DETAILS - 3	0
R400	ROAD LONGITUDINAL SECTIONS - 1	0
R401	ROAD LONGITUDINAL SECTIONS - 2	0
R500	ROAD CROSS SECTIONS - 1	0
R501	ROAD CROSS SECTIONS - 2	0
R502	ROAD CROSS SECTIONS - 3	0
R503	ROAD CROSS SECTIONS - 4	0
R504	ROAD CROSS SECTIONS - 5	0
R505	ROAD CROSS SECTIONS - 6	0
R506	ROAD CROSS SECTIONS - 7	0
R600	DRAINAGE LONG SECTIONS - 1	0
R601	DRAINAGE LONG SECTIONS - 2	0
R602	DRAINAGE LONG SECTIONS - 3 & PIT SCHEDULE	0
R700	TYPICAL DETAILS	0
R701	ROAD PAVEMENT PLAN	0
R800	SIGNAGE & LINEMARKING - 1	0
R801	SIGNAGE & LINEMARKING - 2	0
R900	CONCRETE JOINTING PLAN	0

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Wyndham Planning Scheme

Approved Plan As Required
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Permit No. WYP10817/18
Date 03/03/2025

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

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

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.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
D	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
D	12/02/25	DRAWING INDEX UPDATED - COUNCIL COMMENTS	S.M	A.W	M.T
C	15/01/25	DRAWING INDEX UPDATED - COUNCIL COMMENTS	A.W	A.W	M.T
B	13/12/24	LOT1639/1640 ADDED BUS STOP/DRIVEWAYS REVISED	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 16
COVER SHEET

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:2000

DESIGNED

S.M

PROJECT ENGINEER

M.T

DRAWN

S.M

PROJECT MANAGER

M.T

PROJECT No.

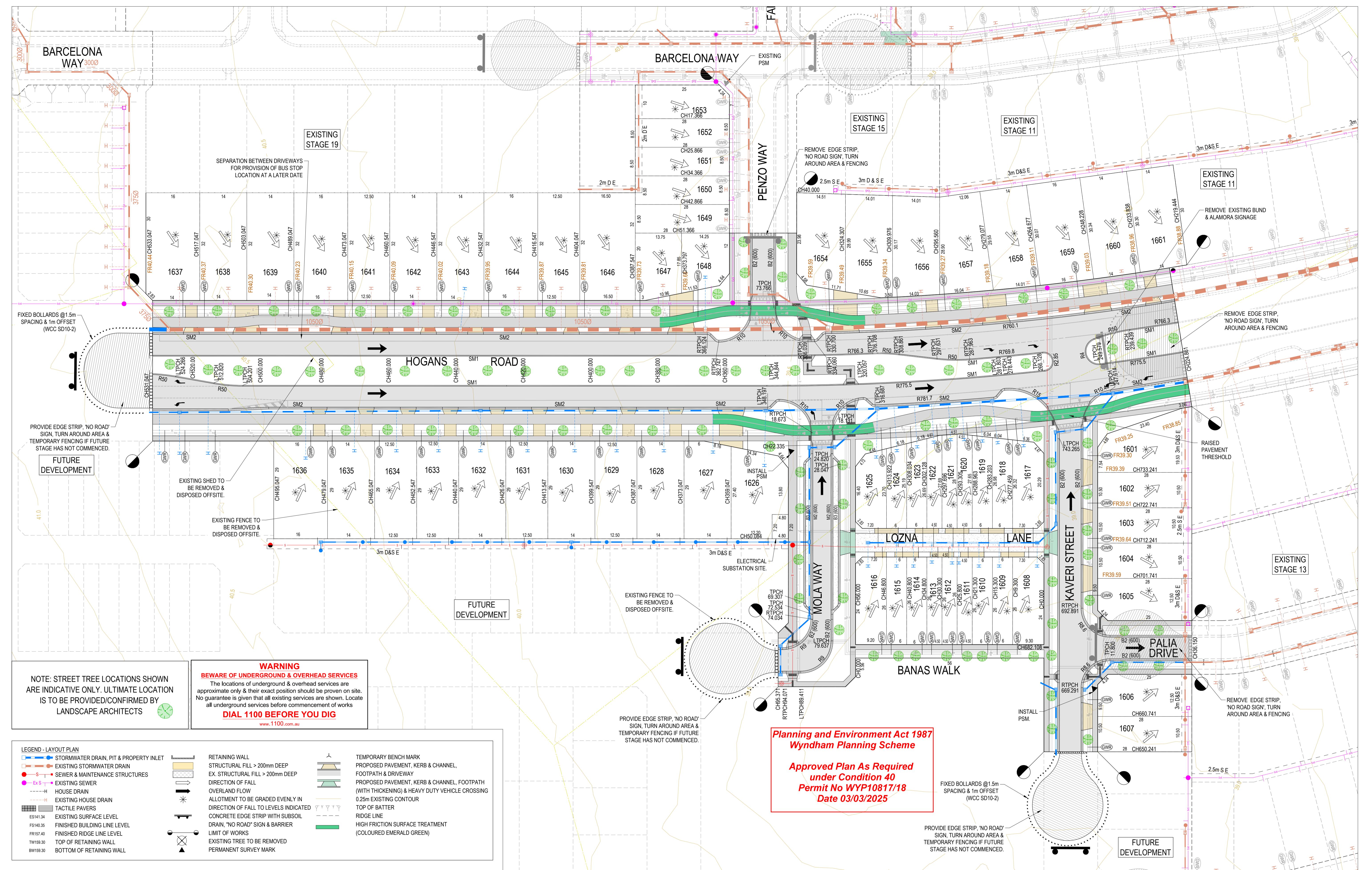
200282.16

DRAWING No.

R100

REVISION

0



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

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

LEGEND - LAYOUT PLAN		RETAINING WALL		TEMPORARY BENCH MARK	
	STORMWATER DRAIN, PIT & PROPERTY INLET		STRUCTURAL FILL > 200mm DEEP		PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
	EXISTING STORMWATER DRAIN		EX. STRUCTURAL FILL > 200mm DEEP		PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH (WITH THICKENING) & HEAVY DUTY VEHICLE CROSSING
	SEWER & MAINTENANCE STRUCTURES		DIRECTION OF FALL OVERLAND FLOW		0.25m EXISTING CONTOUR
	EXISTING SEWER		ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED		TOP OF BATTER
	HOUSE DRAIN		CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER		HIGH FRICTION SURFACE TREATMENT (COLOURED EMERALD GREEN)
	EXISTING HOUSE DRAIN		LIMIT OF WORKS		EXISTING TREE TO BE REMOVED
	TACTILE PAVERS		PERMANENT SURVEY MARK		
	EXISTING SURFACE LEVEL				
	FINISHED BUILDING LINE LEVEL				
	FINISHED RIDGE LINE LEVEL				
	TOP OF RETAINING WALL				
	BOTTOM OF RETAINING WALL				

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CLIENT

Communities Designed for Living

creo CIVIL

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

ALAMORA
part

DRAWING TITLE
ALAMORA - STAGE 16
LAYOUT PLAN

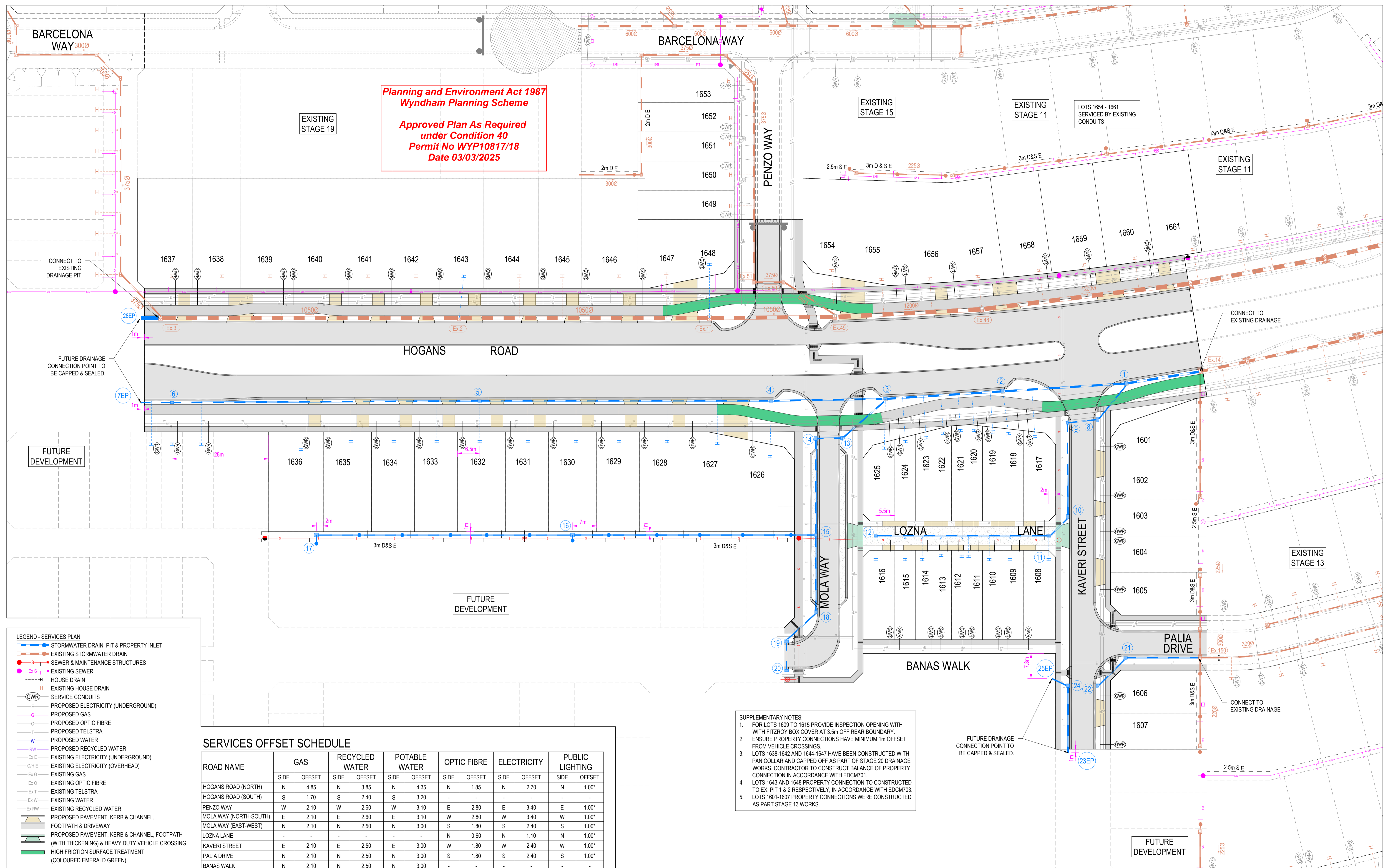
STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R200	0

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Wyndham Planning Scheme**

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LEGEND - SERVICES PLAN

- Stormwater drain, pit & property inlet
- Existing stormwater drain
- Sewer & maintenance structures
- Existing sewer
- House drain
- Existing 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
- Proposed pavement, kerb & channel, footpath & driveway
- Proposed pavement, kerb & channel, footpath (with thickening) & heavy duty vehicle crossing
- High friction surface treatment (coloured emerald green)

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	-	-	-	-	-	-
PENZO WAY	W	2.10	W	2.60	W	3.10	E	2.80	E	3.40	E	1.00*
MOLA WAY (NORTH-SOUTH)	E	2.10	E	2.60	E	3.10	W	2.80	W	3.40	W	1.00*
MOLA WAY (EAST-WEST)	N	2.10	N	2.50	N	3.00	S	1.80	S	2.40	S	1.00*
LOZNA LANE	-	-	-	-	-	-	N	0.60	N	1.10	N	1.00*
KAVERI STREET	E	2.10	E	2.50	E	3.00	W	1.80	W	2.40	W	1.00*
PALIA DRIVE	N	2.10	N	2.50	N	3.00	S	1.80	S	2.40	S	1.00*
BANAS WALK	N	2.10	N	2.50	N	3.00	-	-	-	-	-	-

SUPPLEMENTARY NOTES:

- FOR LOTS 1609 TO 1615 PROVIDE INSPECTION OPENING WITH FITZROY BOX COVER AT 3.5m OFF REAR BOUNDARY.
- ENSURE PROPERTY CONNECTIONS HAVE MINIMUM 1m OFFSET FROM VEHICLE CROSSINGS.
- LOTS 1638-1642 AND 1644-1647 HAVE BEEN CONSTRUCTED WITH PAN COLLAR AND CAPPED OFF AS PART OF STAGE 20 DRAINAGE WORKS. CONTRACTOR TO CONSTRUCT BALANCE OF PROPERTY CONNECTION IN ACCORDANCE WITH EDM701.
- LOTS 1643 AND 1648 PROPERTY CONNECTION TO CONSTRUCTED TO EX PIT 1 & 2 RESPECTIVELY, IN ACCORDANCE WITH EDM703.
- LOTS 1601-1607 PROPERTY CONNECTIONS WERE CONSTRUCTED AS PART STAGE 13 WORKS.

1. * DENOTES OFFSET FROM BACK OF KERB.

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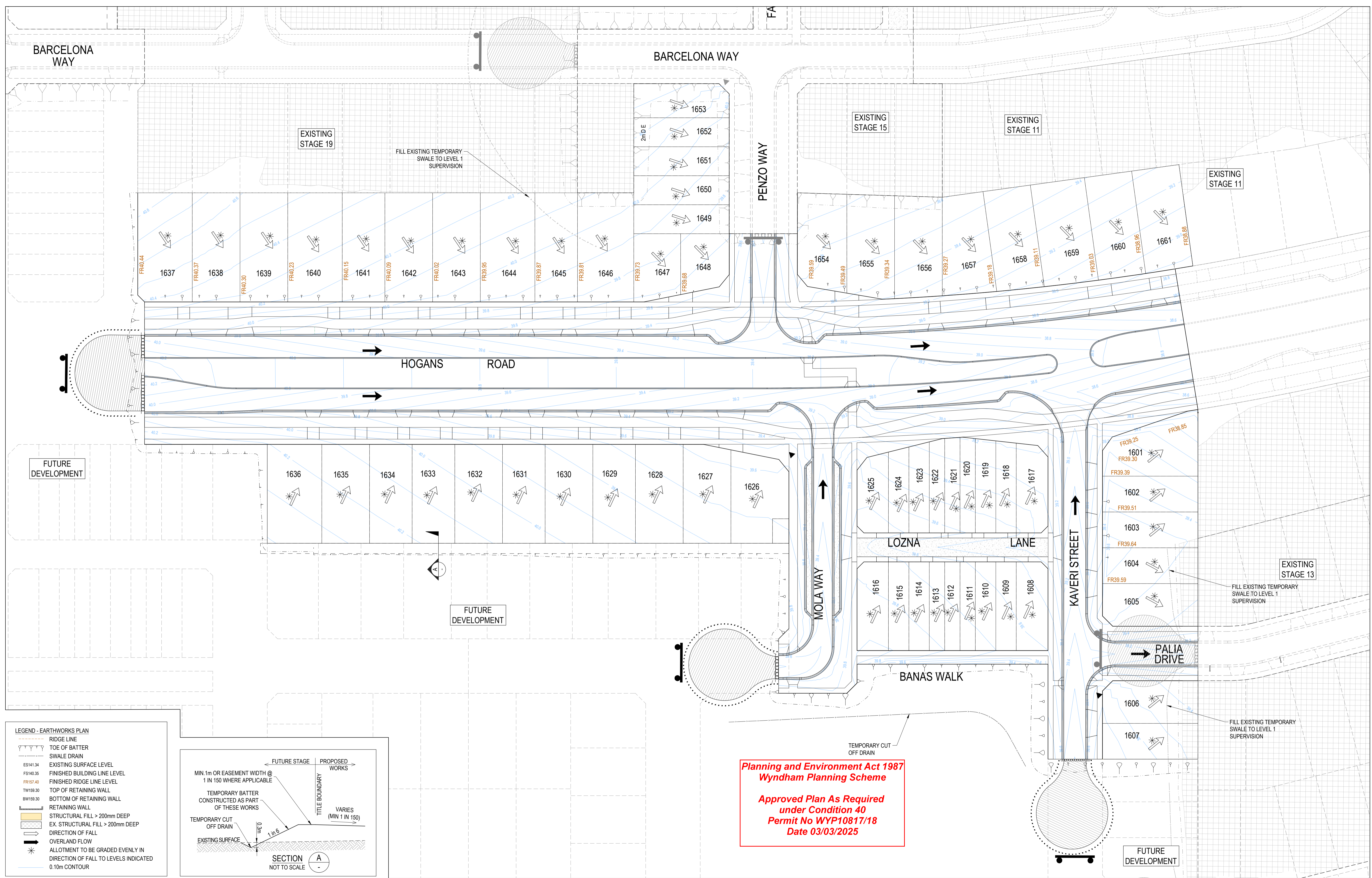


**ALAMORA - STAGE 16
SERVICES PLAN**

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500

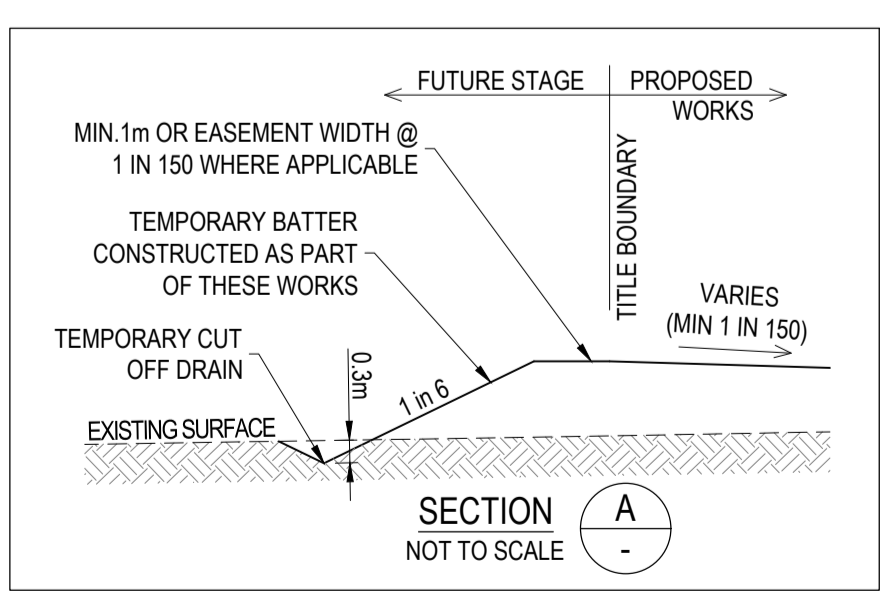
DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	R201
REVISION			0



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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
- TW159.30 TOP OF RETAINING WALL
- BW159.30 BOTTOM OF RETAINING WALL
- RETAINING WALL
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED 0.10m CONTOUR



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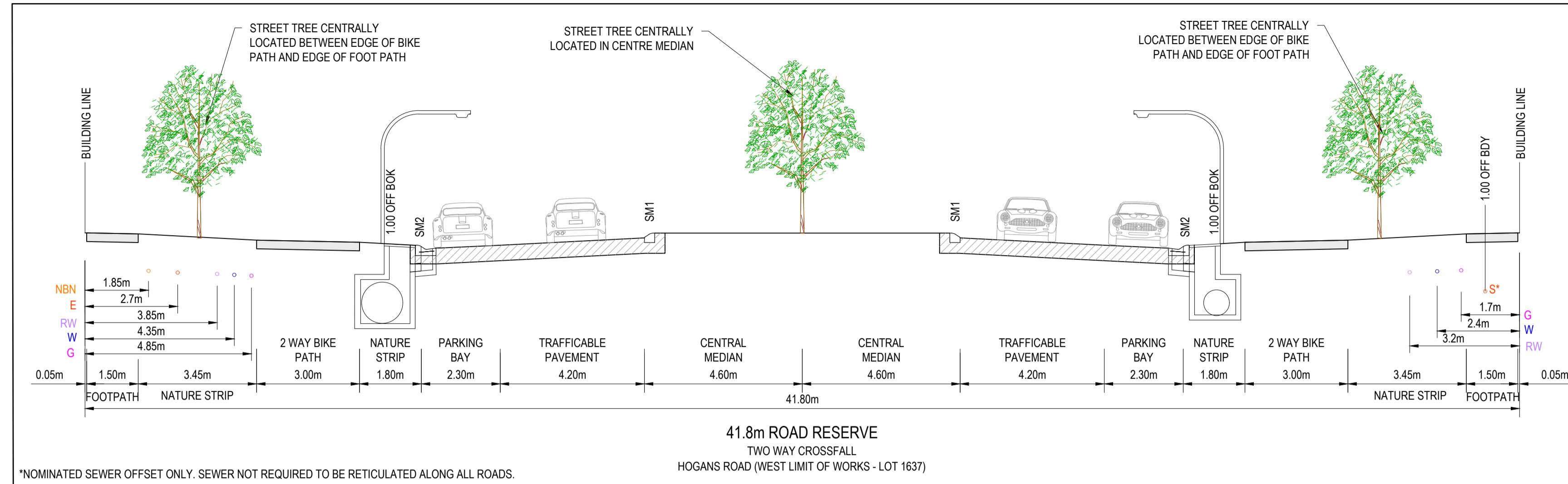


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ALAMORA - STAGE 16
EARTHWORKS PLAN

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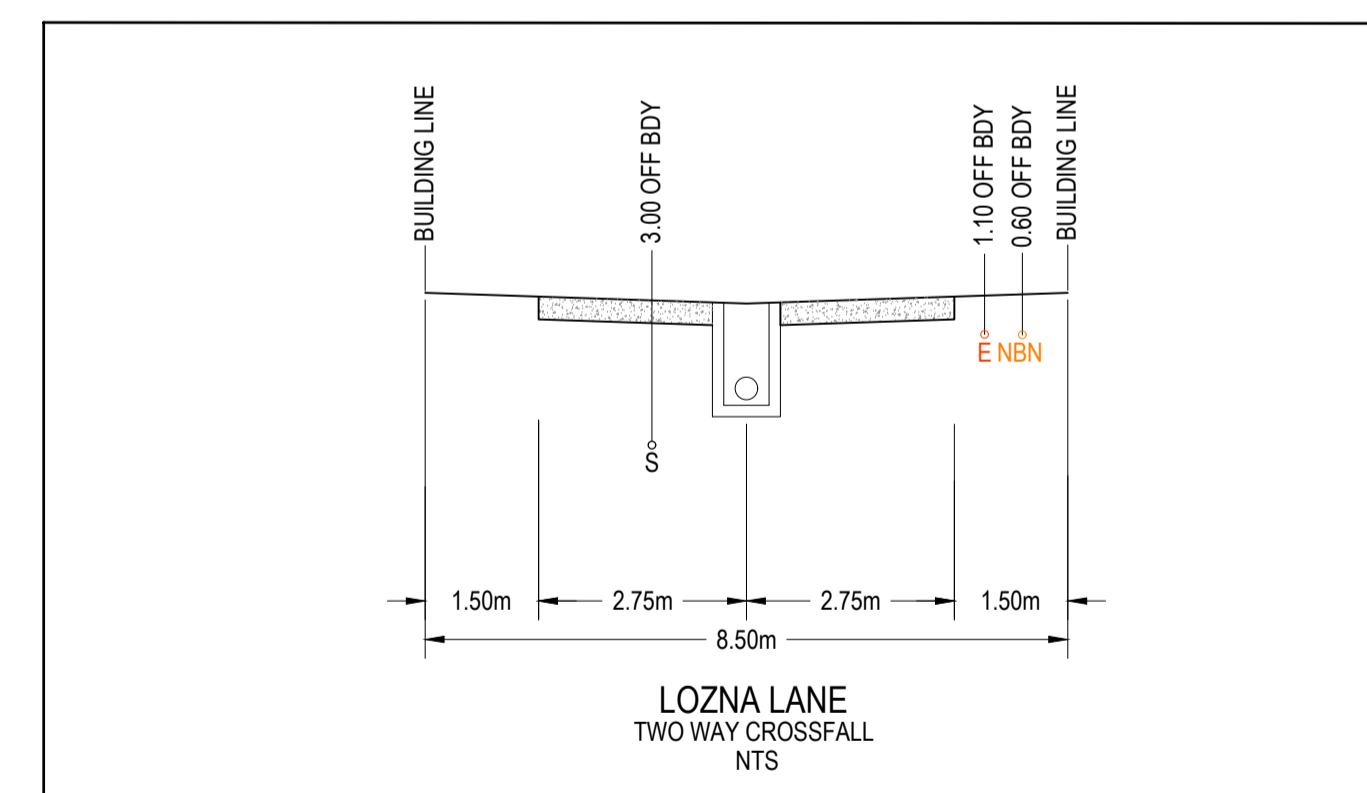
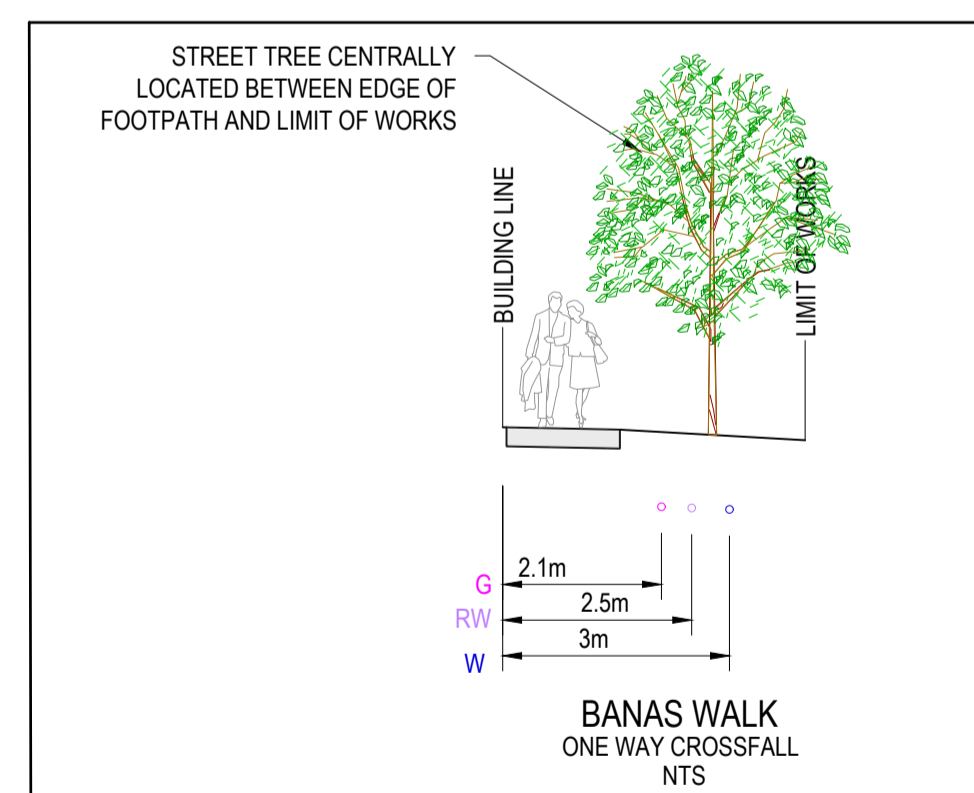
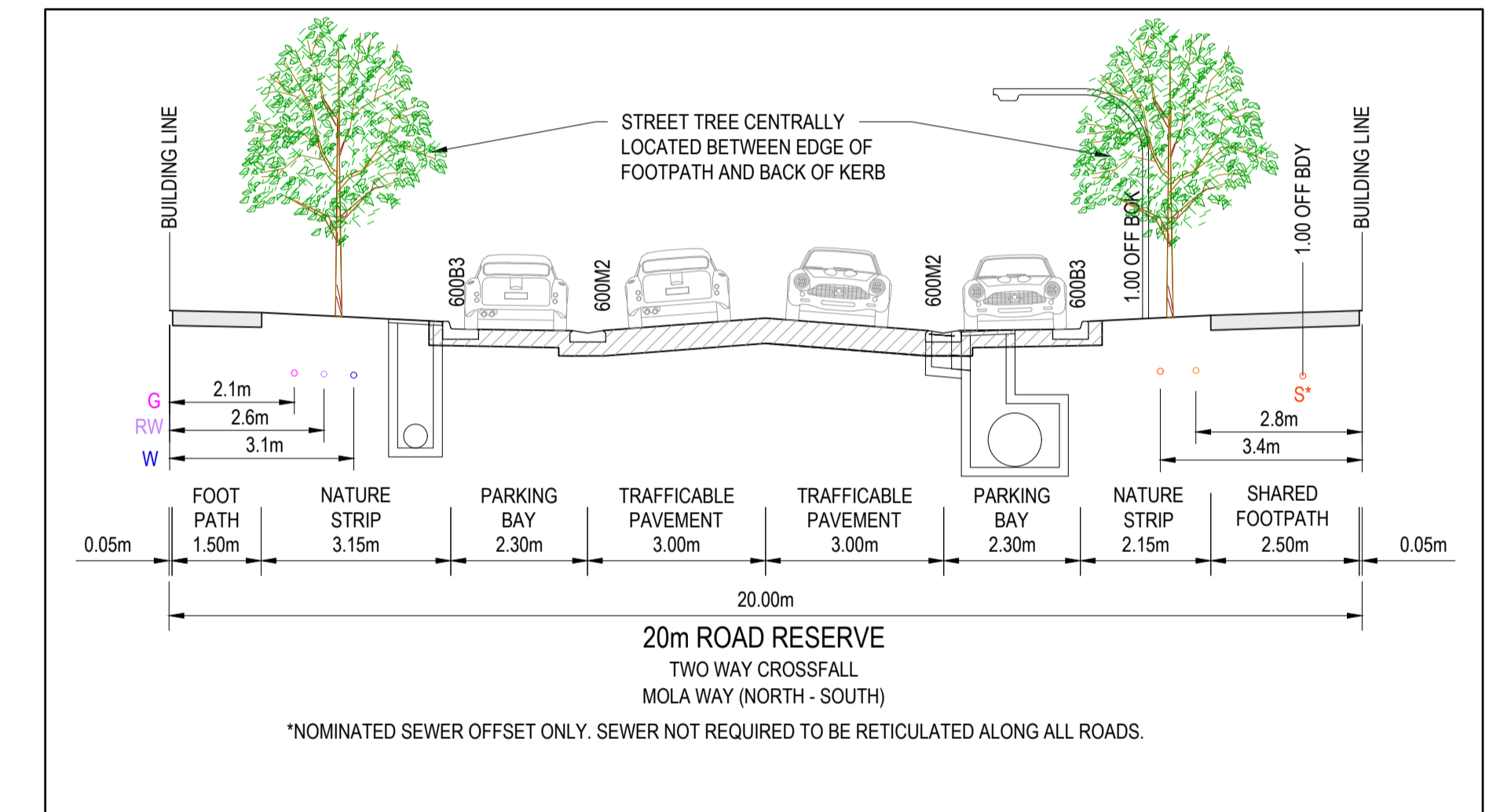
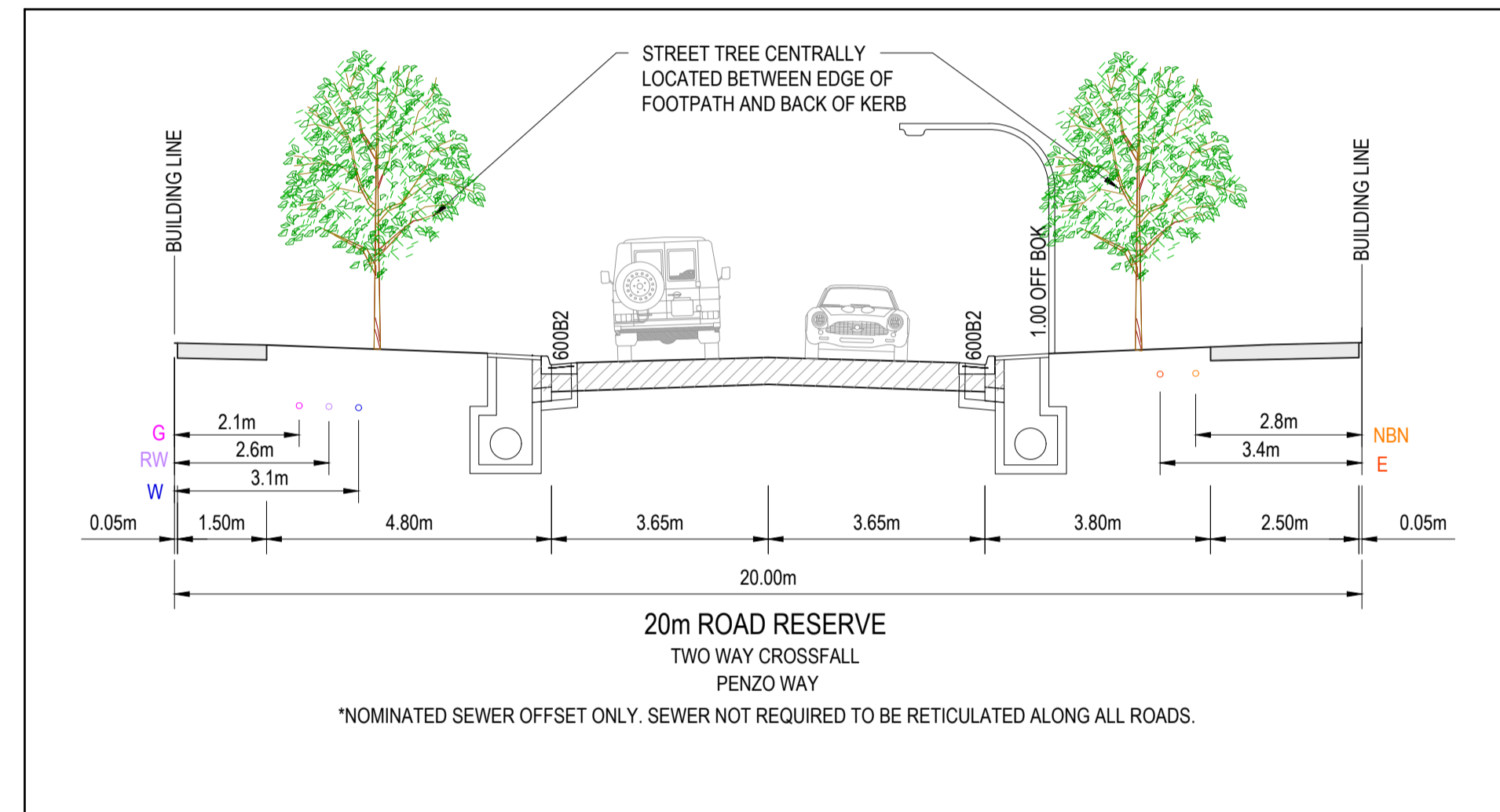
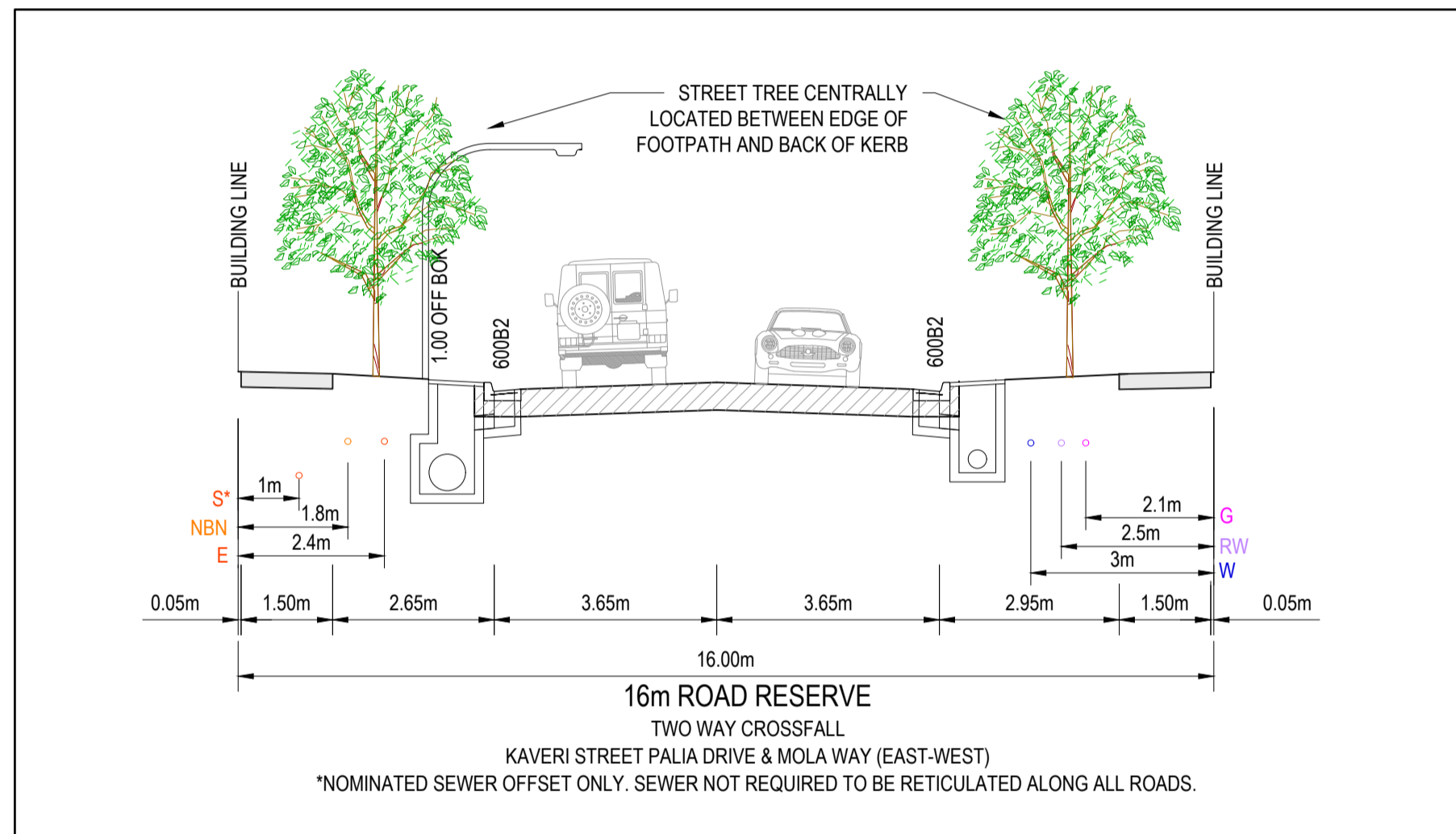
SCALE @ A1: 1:500

DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	R202
REVISION			0



Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025



CROSS FALLS
 PAVEMENT: 3.33%
 FOOTPATH: 2%
 NATURE STRIP: 2% -5%

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

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 16
TYPICAL CROSS SECTIONS

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1:

DESIGNED

S.M

DRAWN

S.M

PROJECT No.

200282.16

PROJECT ENGINEER

M.T

PROJECT MANAGER

M.T

DRAWING No.

R203

REVISION

0

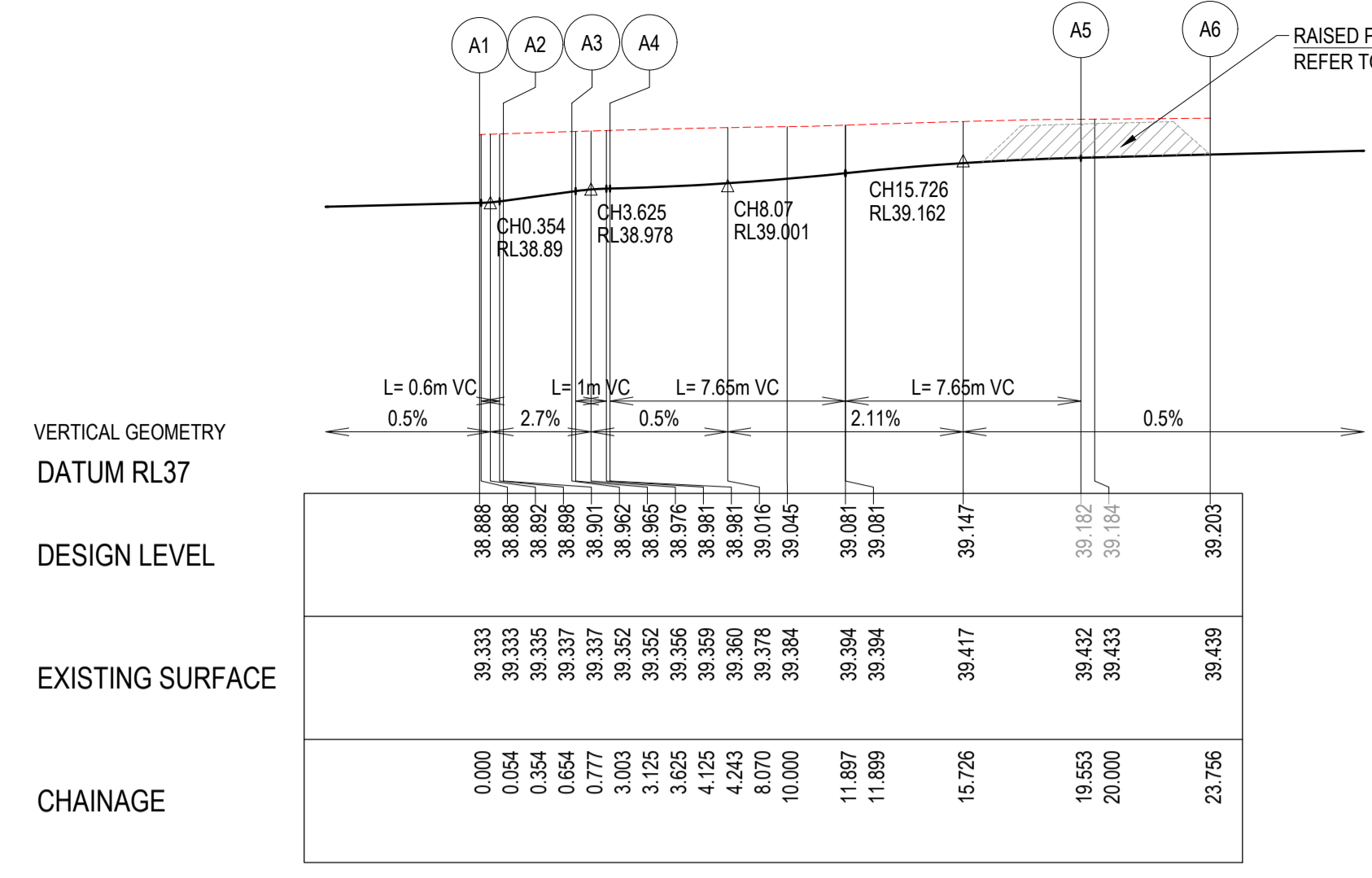
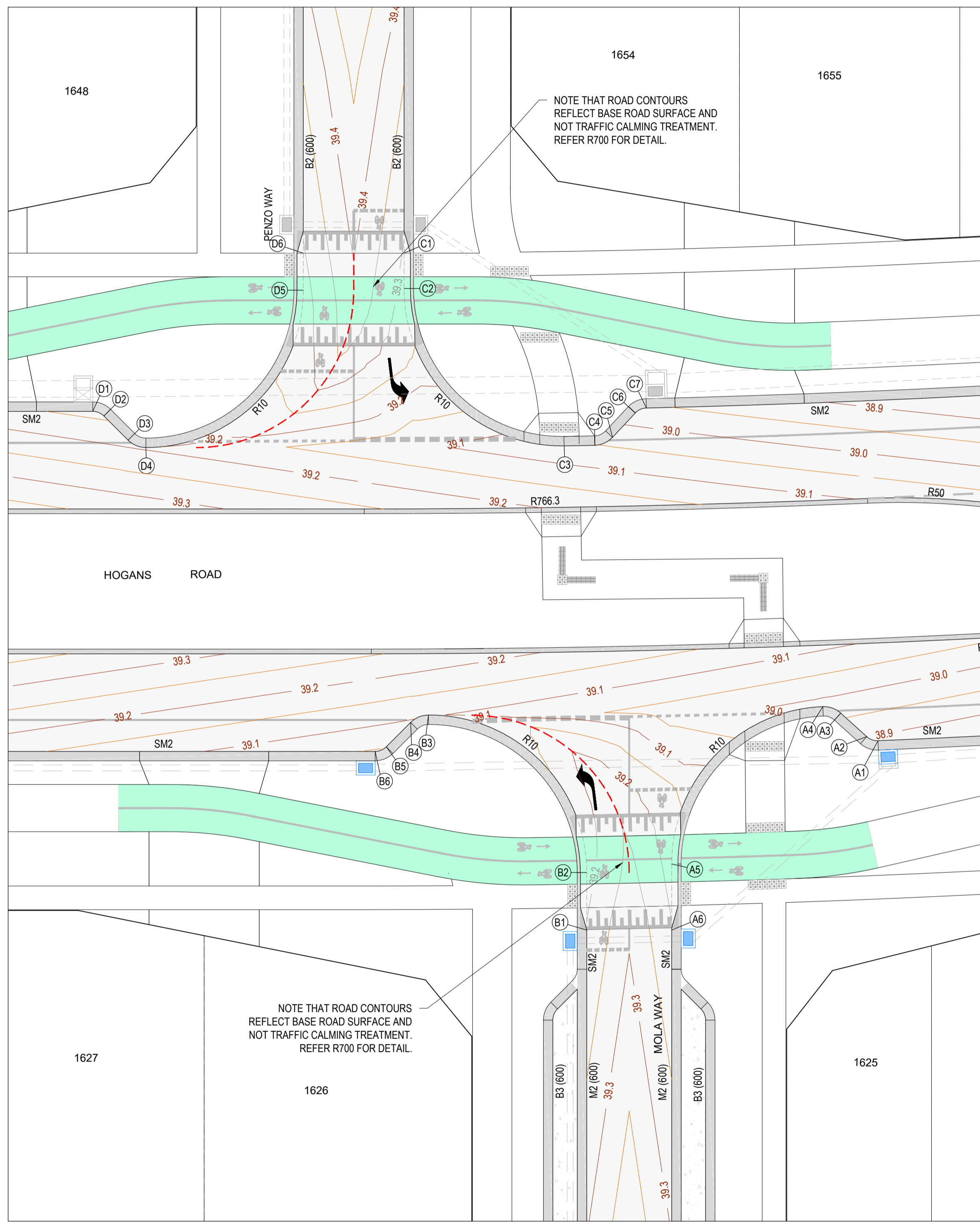
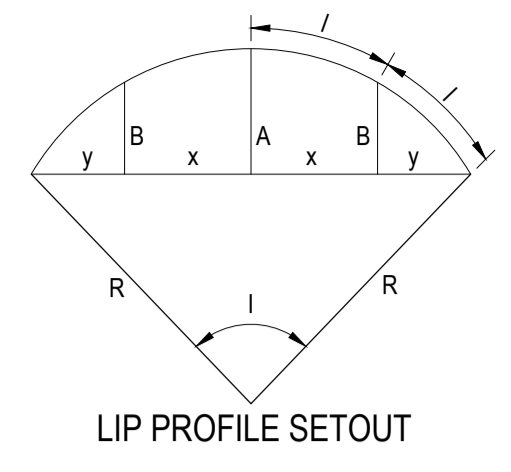
LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN & PIT
- TACTILE PAVERS
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- CROWN
- MINOR CONTOUR
- MAJOR CONTOUR

LEGEND - SECTION

- EXISTING SURFACE
- DESIGN LINE

NOTE FOR SIGNS & LINEMARKING PLAN REFER SHEETS R800.



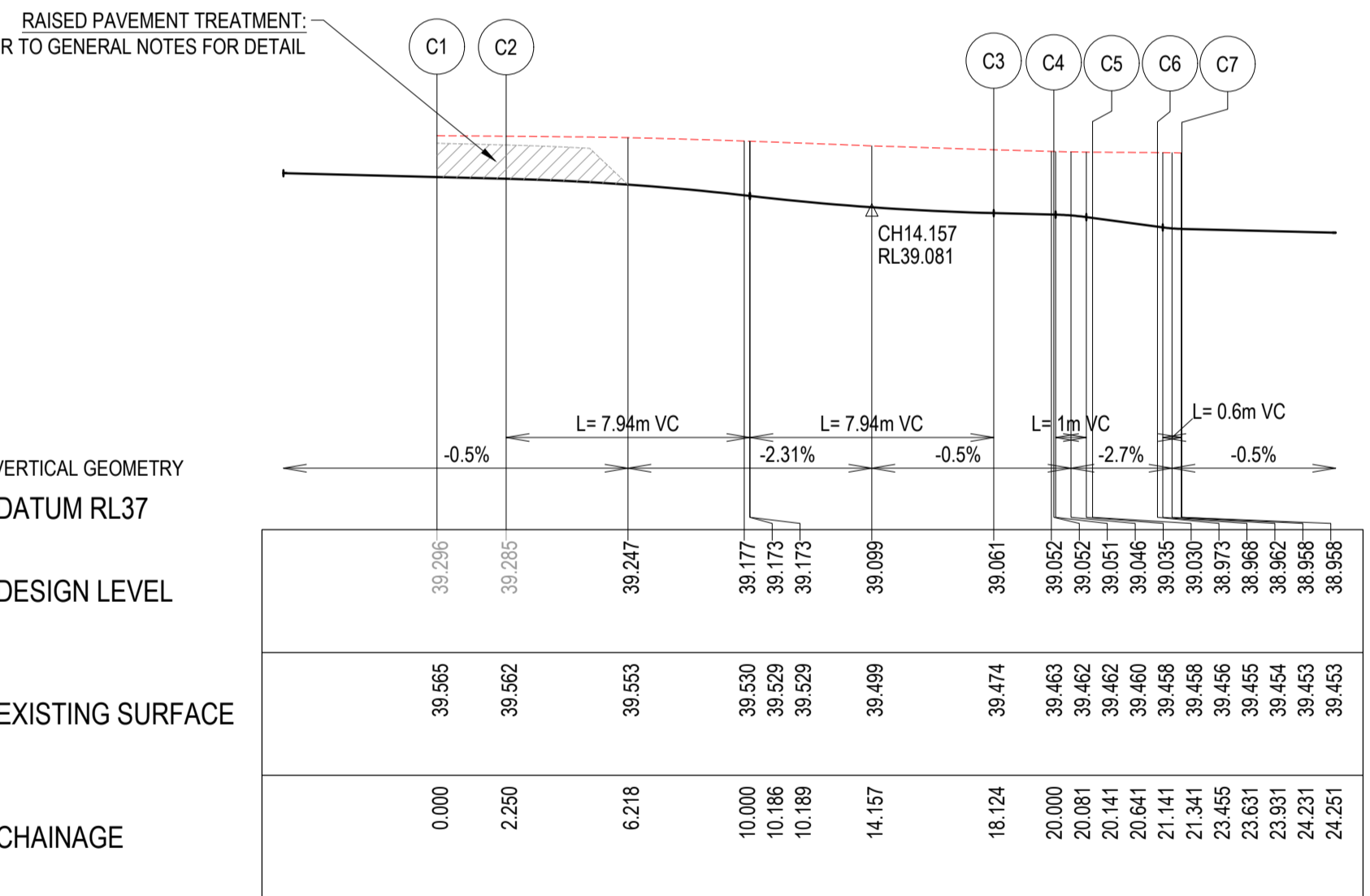
ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	292094.144	5807509.228	38.888
A2	292093.814	5807509.911	38.901
A3	292093.679	5807512.133	38.962
A4	292093.155	5807513.223	38.981
A5	292079.304	5807512.797	39.182
A6	292076.364	5807509.793	39.203

**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025**

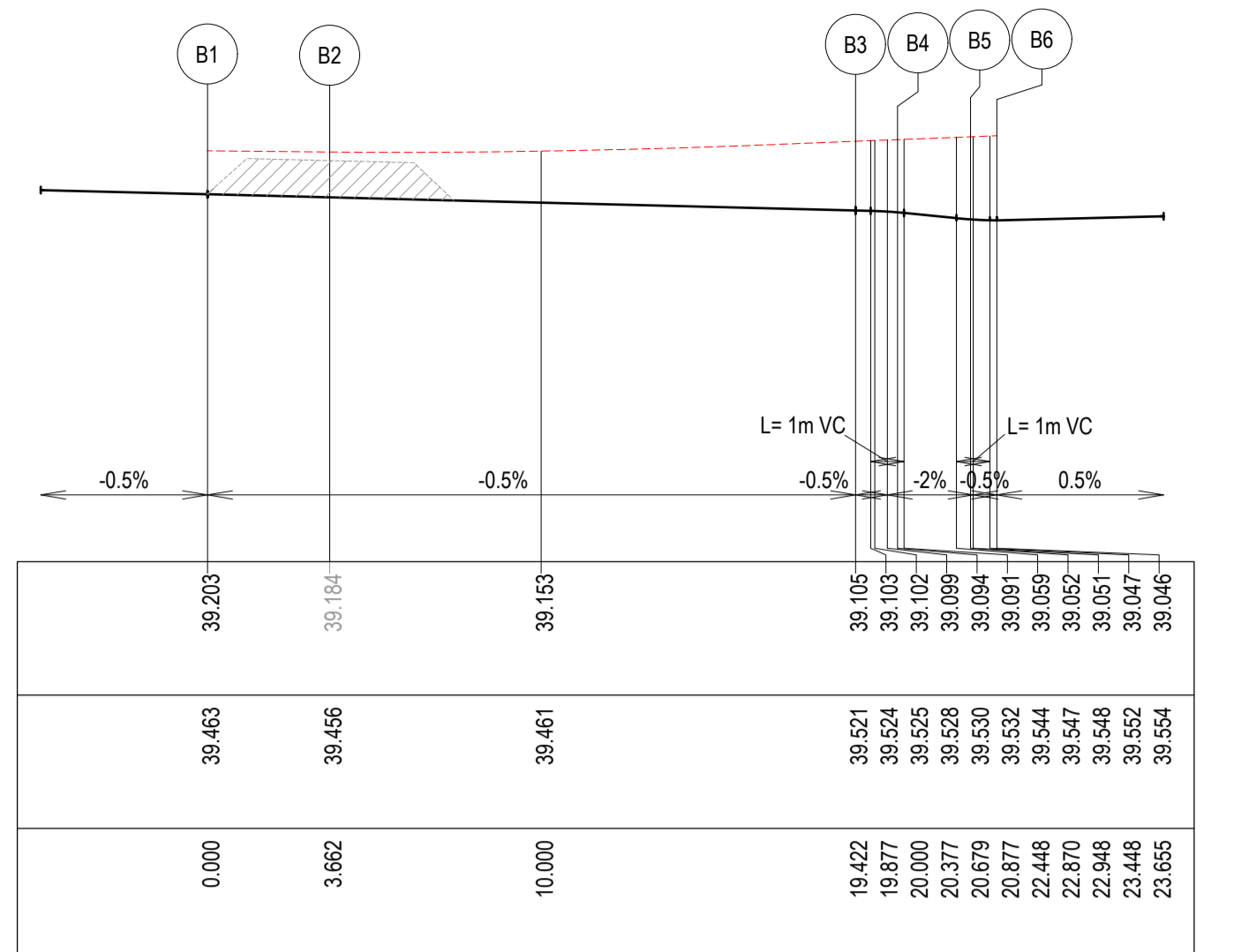
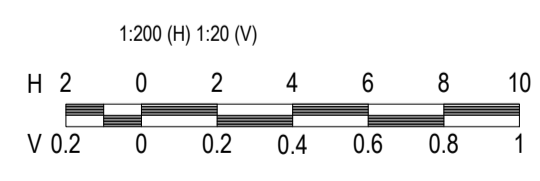
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
A1 - A2	44.526	1	0.777	0.075	0.056	0.193	0.186	0.194	38.892
A3 - A4	44.418	1.6	1.24	0.119	0.089	0.308	0.297	0.31	38.976
A4 - A5	87.715	10	15.309	2.789	2.066	3.735	3.194	3.827	39.081



ALIGNMENT C

PT NO	EASTING	NORTHING	RL
C1	292094.295	5807552.419	39.296
C2	292092.721	5807550.811	39.285
C3	292092.993	5807536.554	39.061
C4	292094.415	5807535.211	39.052
C5	292095.57	5807534.791	39.03
C6	292097.681	5807534.887	38.973
C7	292098.409	5807534.619	38.958

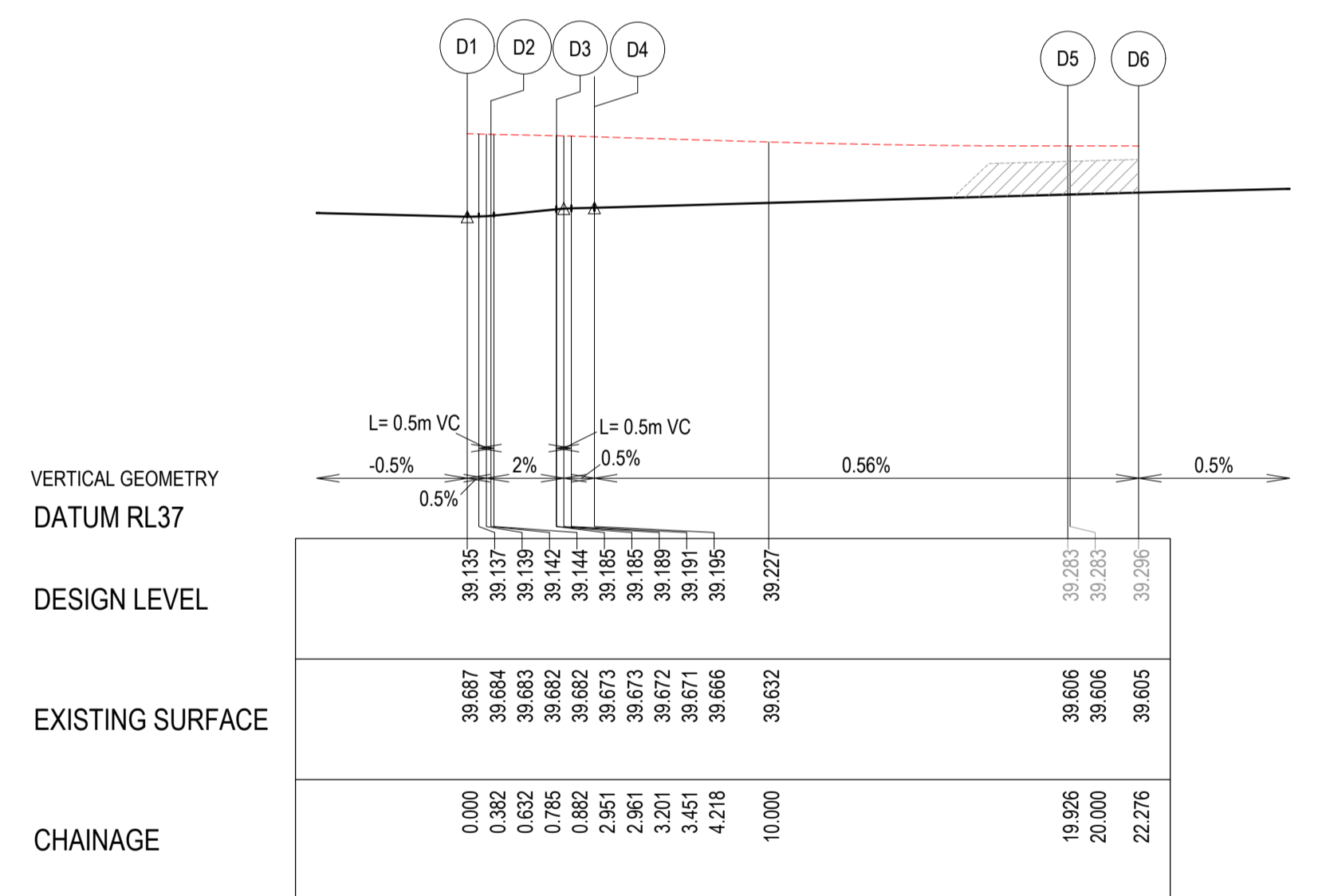
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
C2 - C3	90.954	10	15.874	2.988	2.211	3.865	3.264	3.969	39.173
C3 - C4	0.147	762.4	1.956	0.001	0	0.489	0.489	0.489	39.056
C4 - C5	45.136	1.6	1.26	0.123	0.092	0.313	0.301	0.315	39.045
C6 - C7	45.633	1	0.796	0.078	0.058	0.198	0.19	0.199	38.963



ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	292072.504	5807513.57	39.203
B2	292075.066	5807516.187	39.184
B3	292074.876	5807530.365	39.105
B4	292073.74	5807530.822	39.094
B5	292071.549	5807530.798	39.052
B6	292070.839	5807531.083	39.046

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
B2 - B3	90.3	10	15.76	2.947	2.181	3.839	3.251	3.94	39.145
B3 - B4	45	1.6	1.257	0.122	0.091	0.312	0.3	0.314	39.102
B5 - B6	45	1	0.785	0.076	0.057	0.195	0.188	0.196	39.048



ALIGNMENT D

PT NO	EASTING	NORTHING	RL
D1	292073.128	5807559.066	39.135
D2	292073.429	5807558.362	39.142
D3	292073.452	5807556.187	39.185
D4	292073.933	5807555.061	39.195
D5	292088.074	5807555.213	39.283
D6	292089.718	5807556.892	39.296

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
D1 - D2	45	1	0.785	0.076	0.057	0.195	0.188	0.196	39.137
D3 - D4	45	1.6	1.257	0.122	0.091	0.312	0.3	0.314	39.192
D4 - D5	90	10	15.708	2.929	2.168	3.827	3.244	3.927	39.239

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	13/12/24	DRIVEWAYS REVISED	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

villawood properties
Communities Designed for Living

creo CIVIL

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

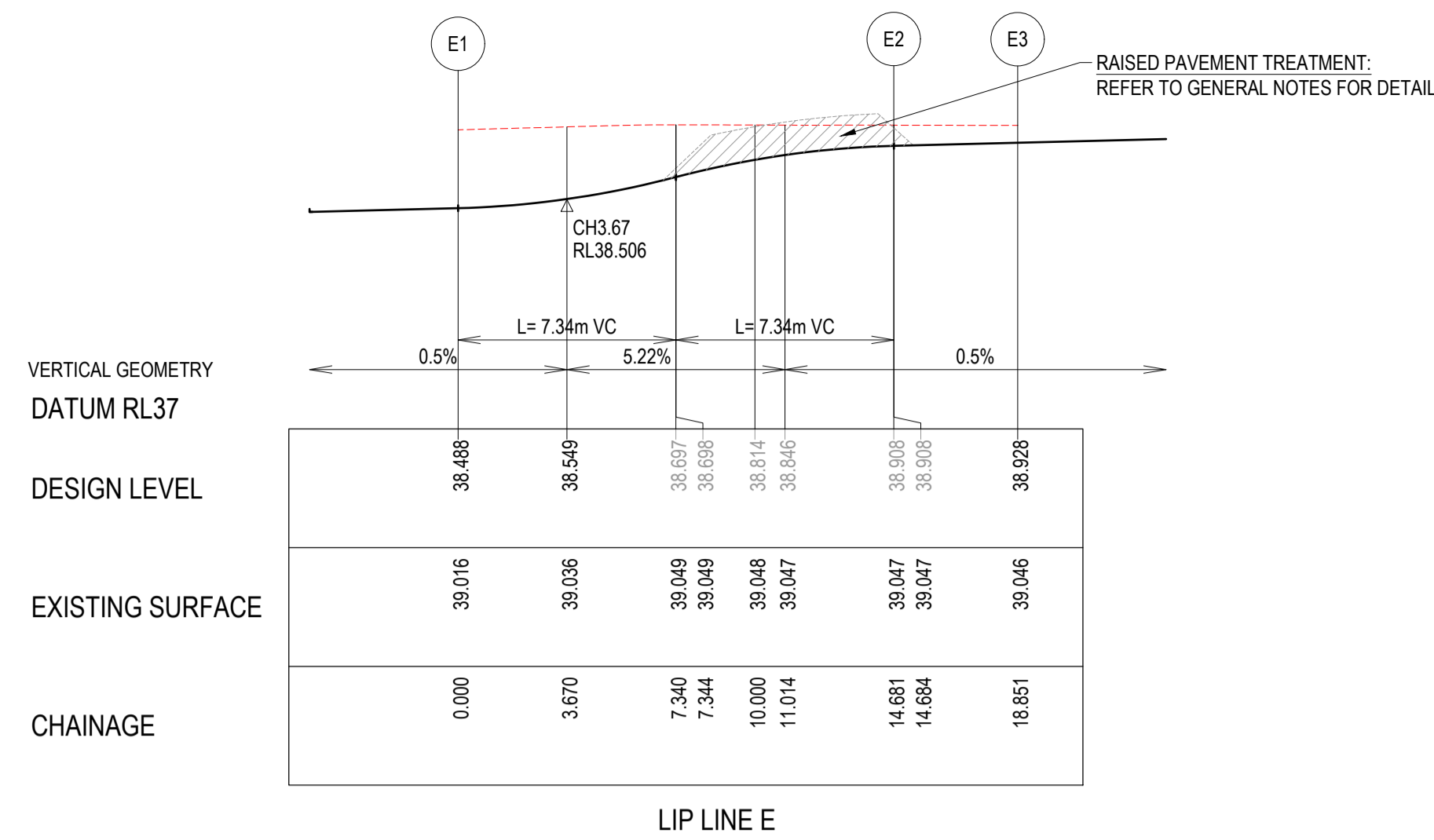
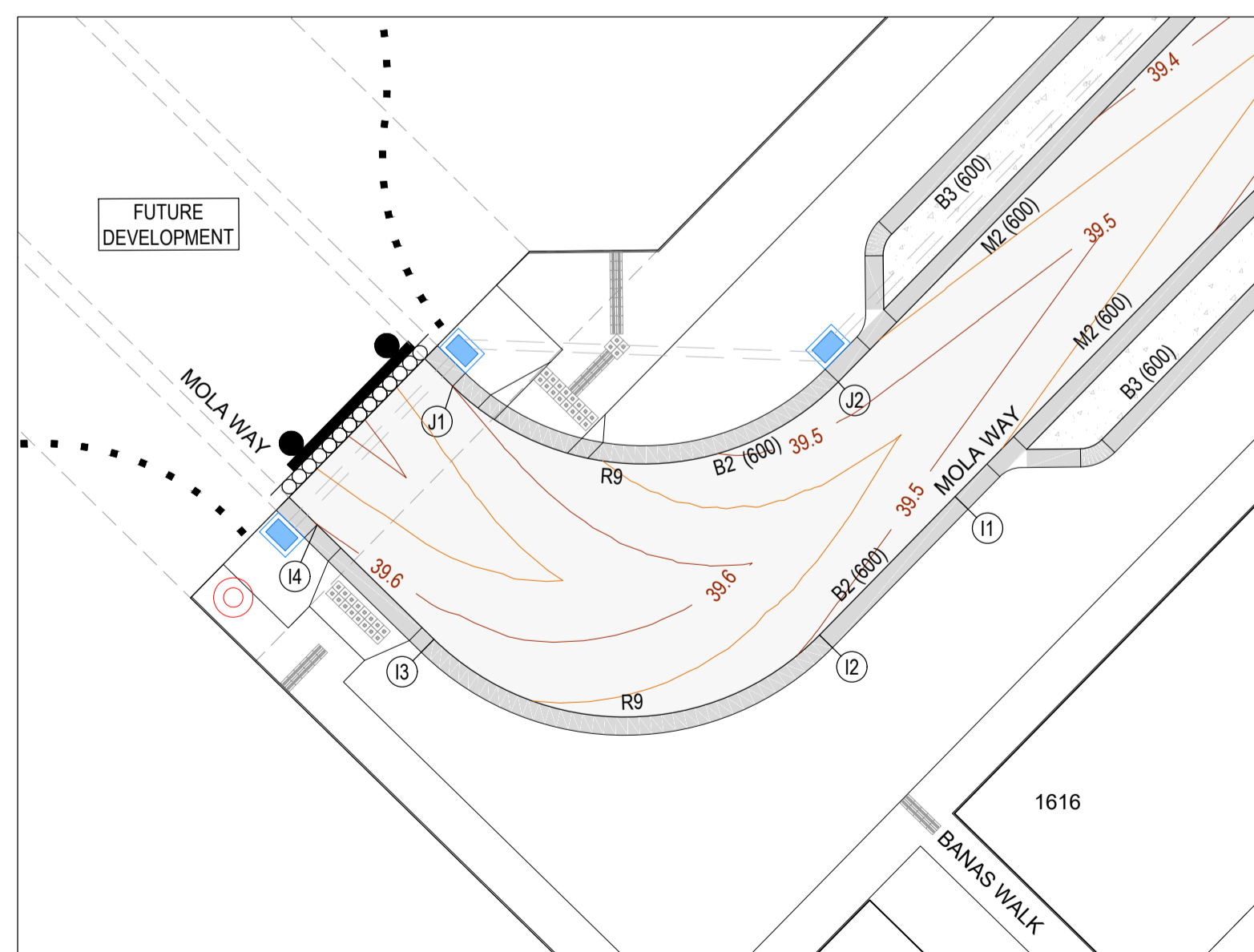
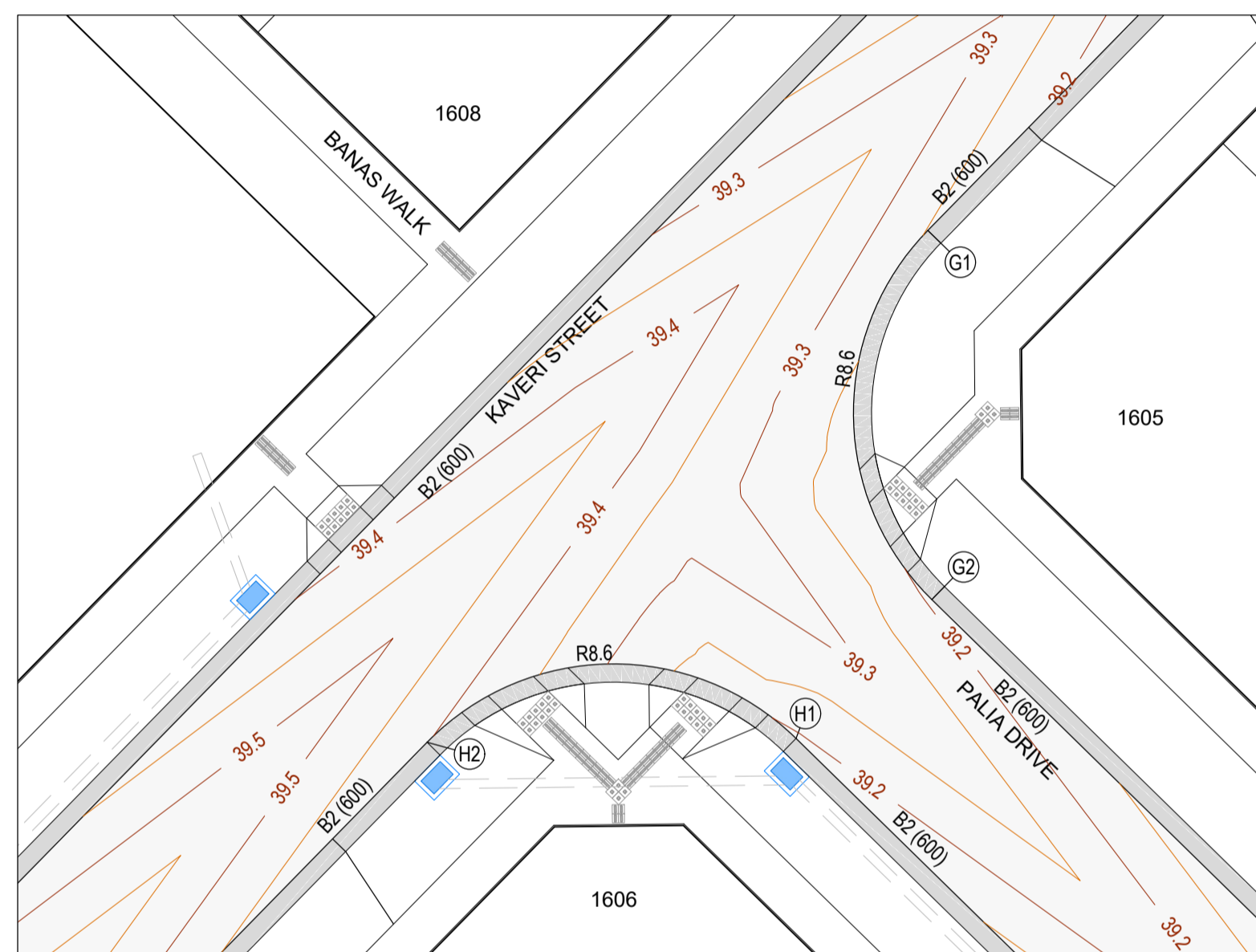
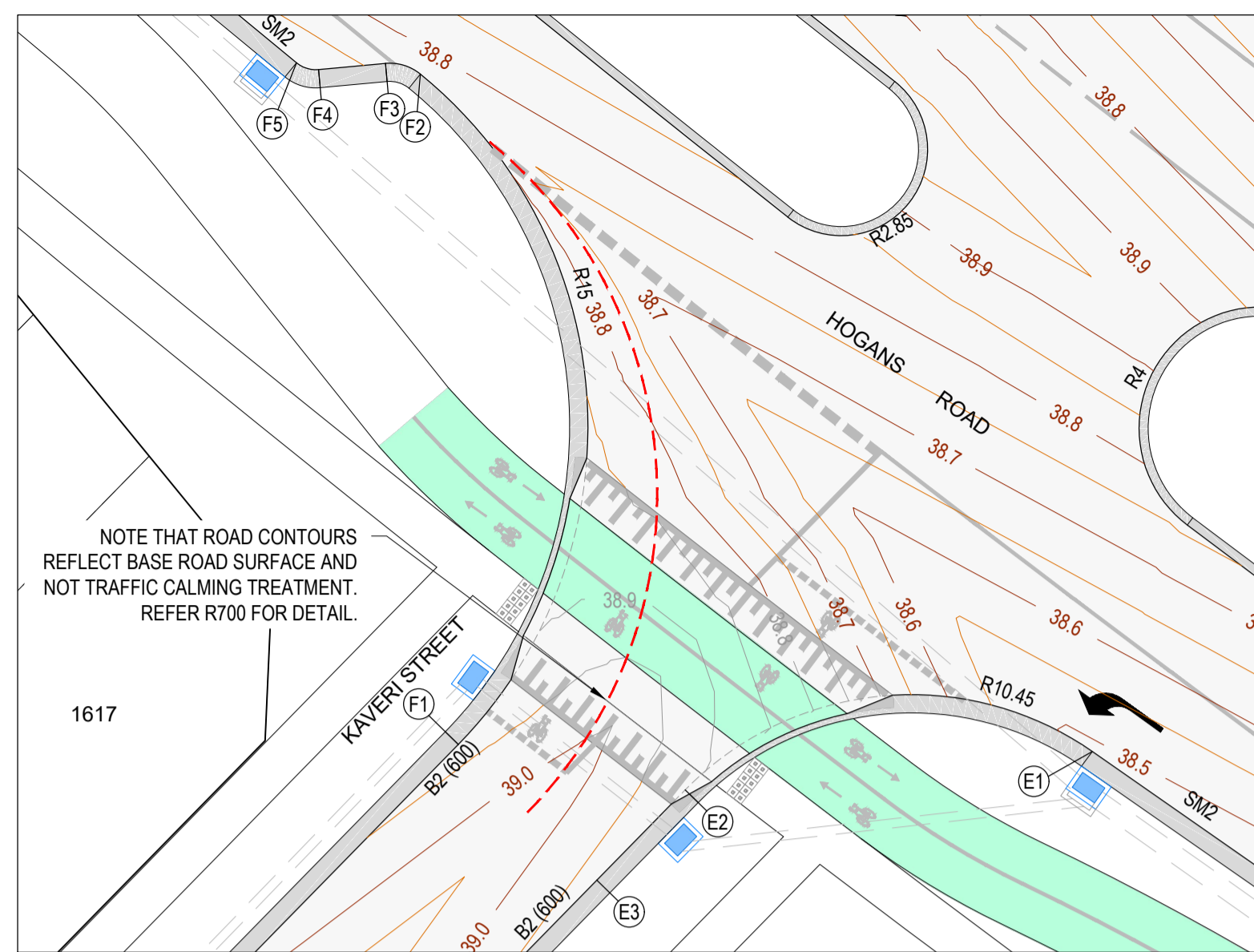
ALAMORA
Tarnait

DRAWING TITLE
ALAMORA - STAGE 16
INTERSECTION DETAILS - 1

ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:200

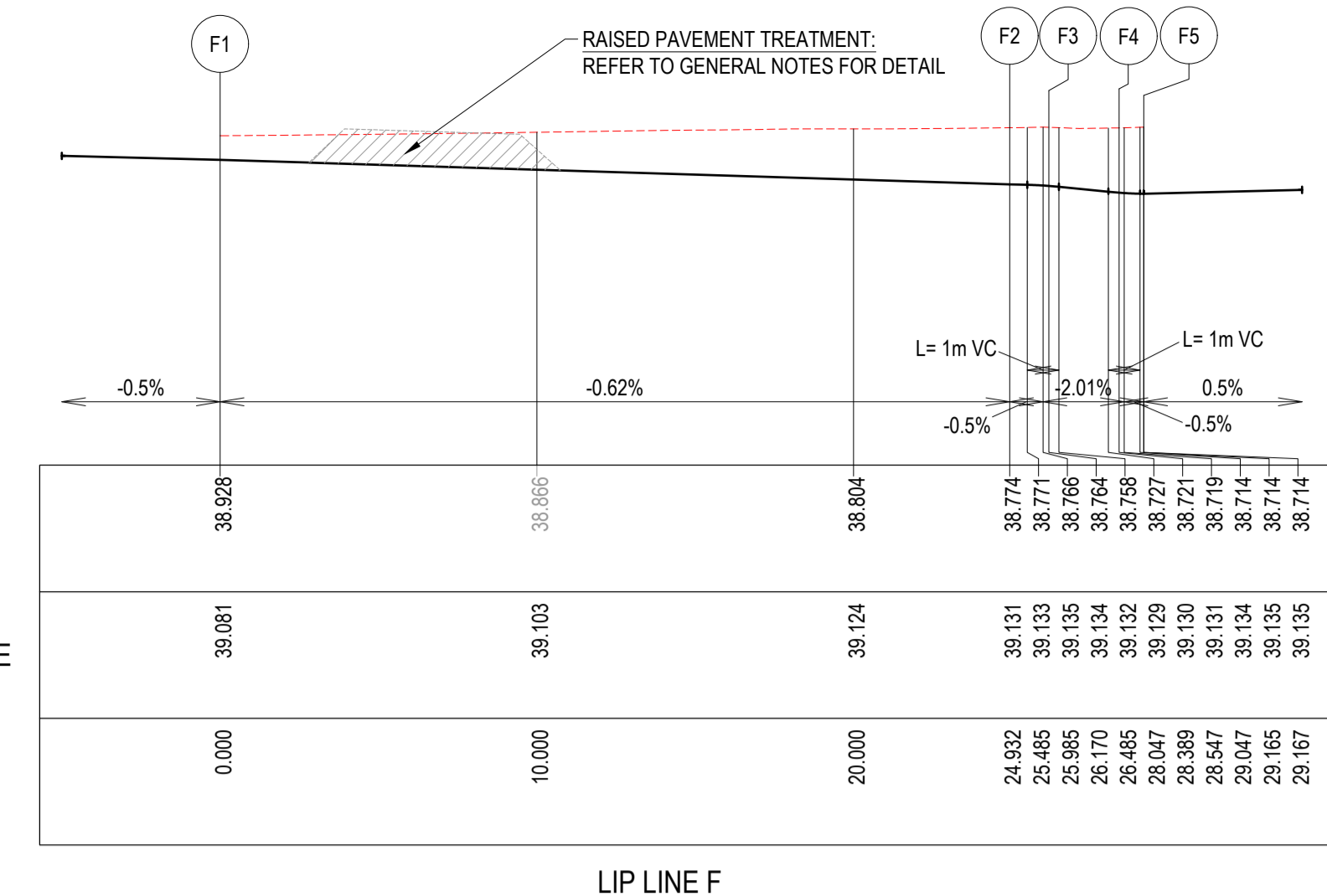
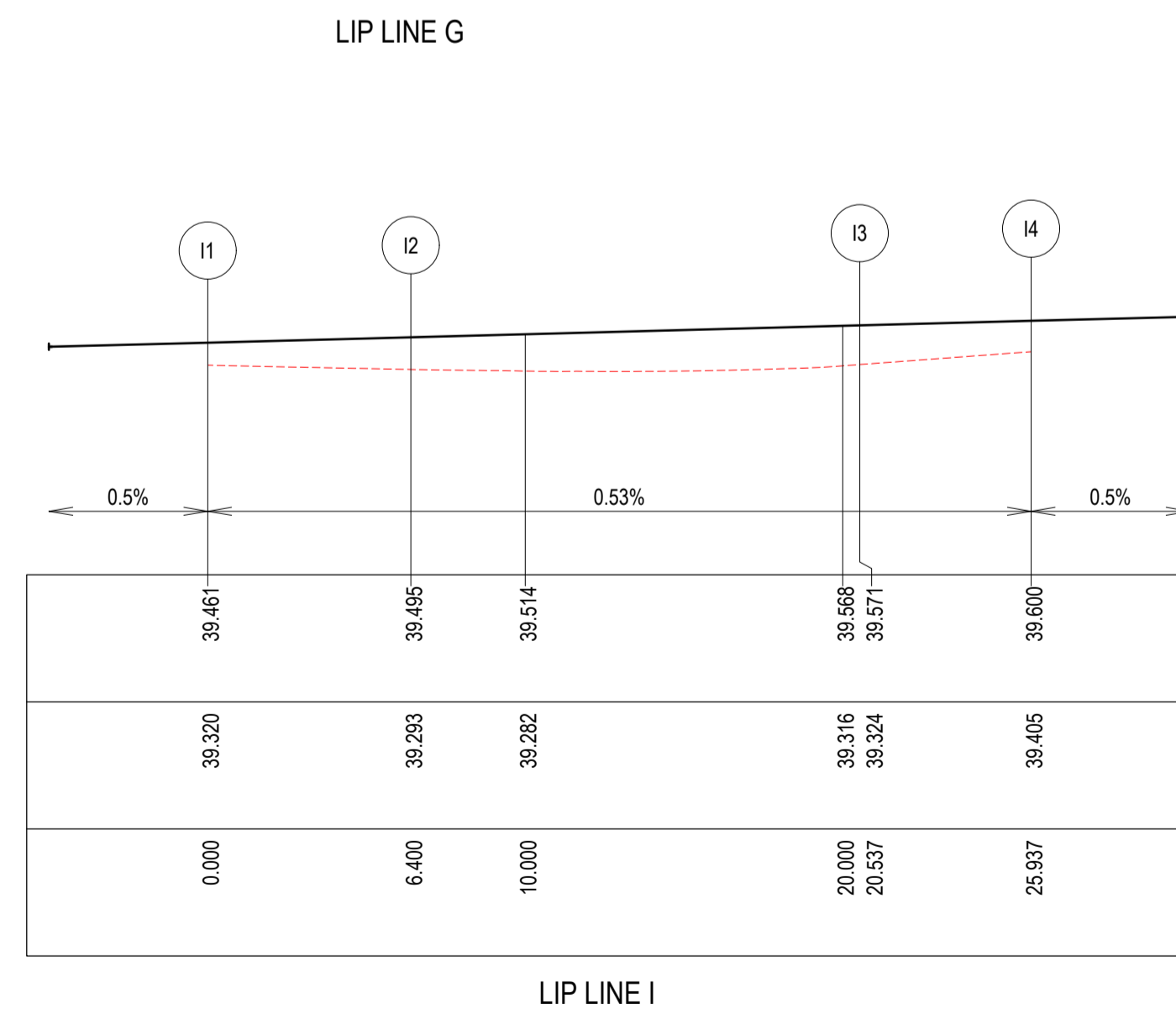
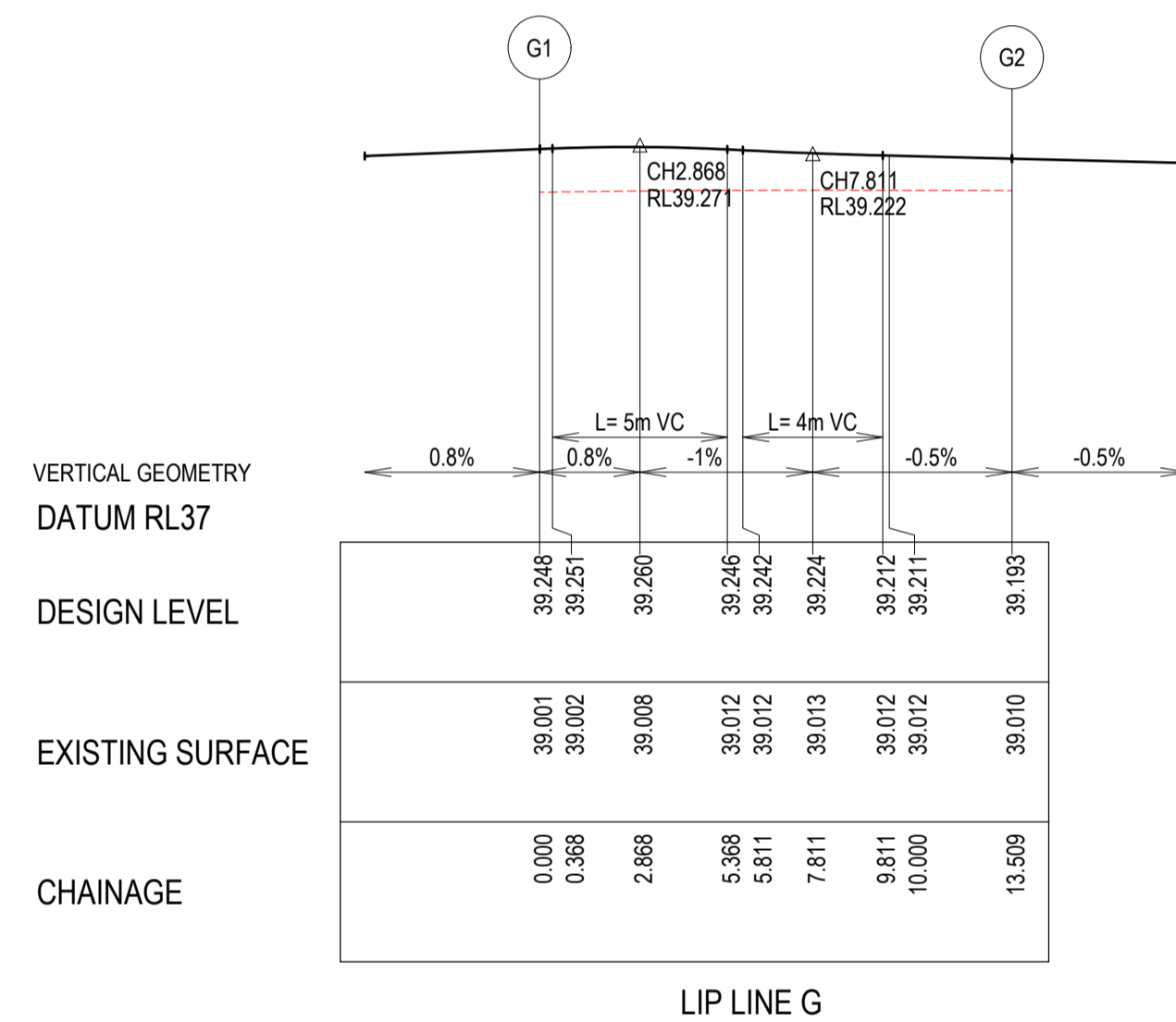
DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16		REVISION
DRAWING No.	R300		0



ALIGNMENT E

PT NO	EASTING	NORTHING	RL
E1	292147.234	5807463.437	38.488
E2	292133.791	5807462.173	38.908
E3	292130.874	5807459.192	38.928

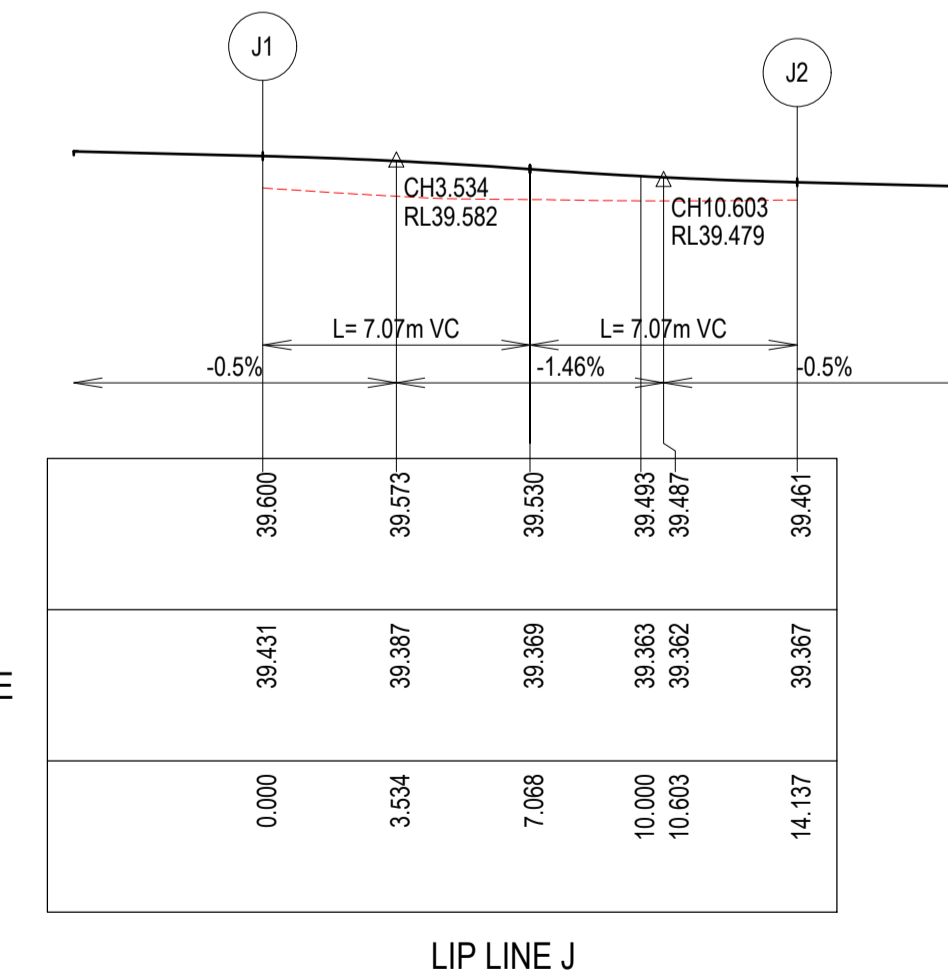
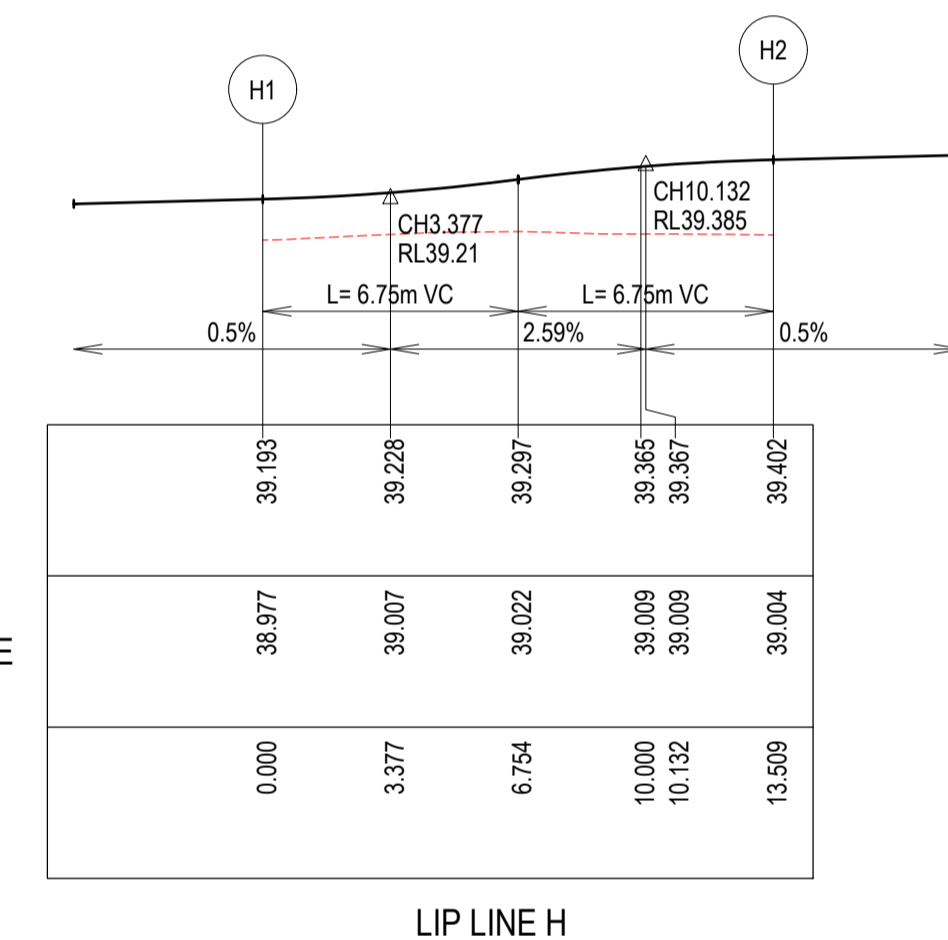
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
E1 - E2	80.492	10.45	14.681	2.474	1.836	3.595	3.156	3.67	38.698



ALIGNMENT F

PT NO	EASTING	NORTHING	RL
F1	292126.3	5807463.669	38.928
F2	292125.05	5807485.794	38.774
F3	292123.895	5807486.145	38.764
F4	292121.686	5807485.943	38.721
F5	292120.96	5807486.167	38.714

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
F1 - F2	95.235	15	24.932	4.889	3.612	6.055	5.025	6.233	38.851
F2 - F3	44.32	1.6	1.238	0.118	0.088	0.307	0.296	0.309	38.77
F4 - F5	44.617	1	0.779	0.075	0.056	0.193	0.186	0.195	38.716



ALIGNMENT G

PT NO	EASTING	NORTHING	RL
G1	292095.64	5807423.192	39.248
G2	292095.771	5807411.031	39.193

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
G1 - G2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	39.233

ALIGNMENT H

PT NO	EASTING	NORTHING	RL
H1	292091.294	5807406.457	39.193
H2	292079.132	5807406.326	39.402

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
H1 - H2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	39.237

ALIGNMENT I

PT NO	EASTING	NORTHING	RL
I1	292040.202	5807472.845	39.461
I2	292035.726	5807468.271	39.495
I3	292022.999	5807468.134	39.571
I4	292019.139	5807471.912	39.600

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
I2 - I3	90	9	14.137	2.636	1.951	3.444	2.92	3.534	39.533

ALIGNMENT J

PT NO	EASTING	NORTHING	RL
J1	292023.616	5807476.485	39.6
J2	292036.343	5807476.622	39.461

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
J1 - J2	90	9	14.137	2.636	1.951	3.444	2.92	3.534	39.53

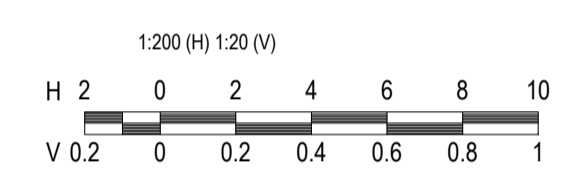
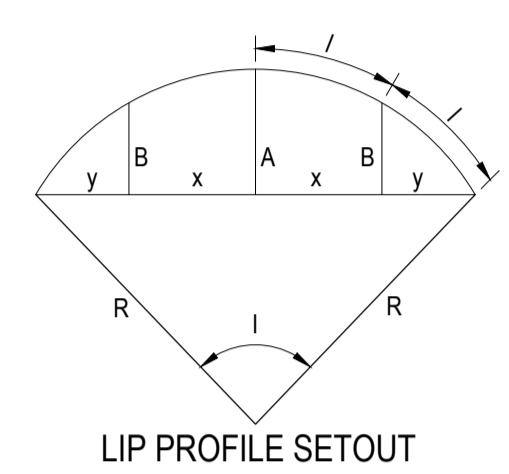
LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN & PIT
- TACTILE PAVERS
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- CROWN
- MINOR CONTOUR
- MAJOR CONTOUR

LEGEND - SECTION

- EXISTING SURFACE
- DESIGN LINE

NOTE FOR SIGNS & LINEMARKING PLAN
REFER SHEETS R800.



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

villawood properties
Communities Designed for Living

creo CIVIL
Suite 1, 2 Bloomsbury Street
Newtown, VIC, Australia 3220

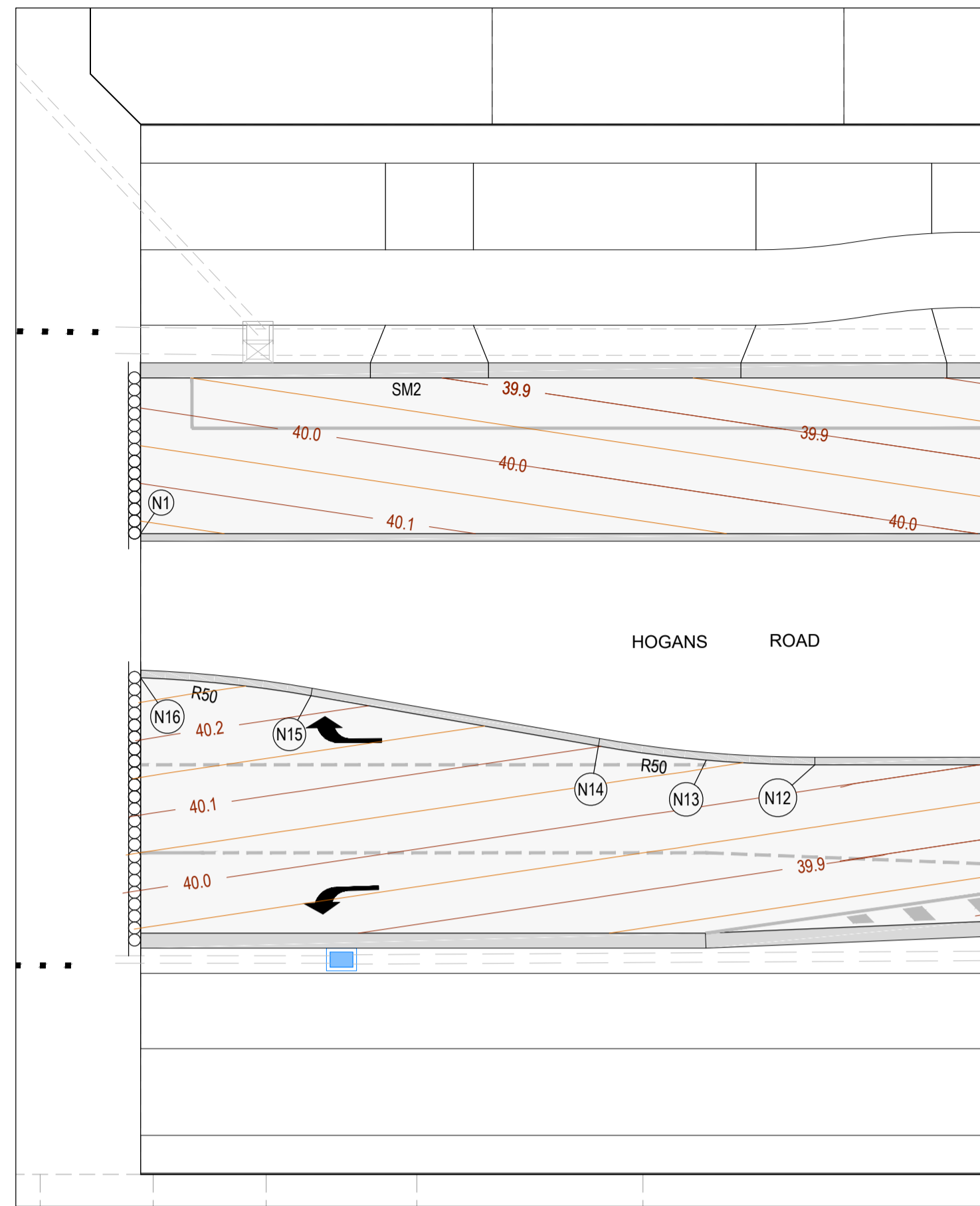
ALAMORA
Tarnait

ALAMORA - STAGE 16
INTERSECTION DETAILS - 2

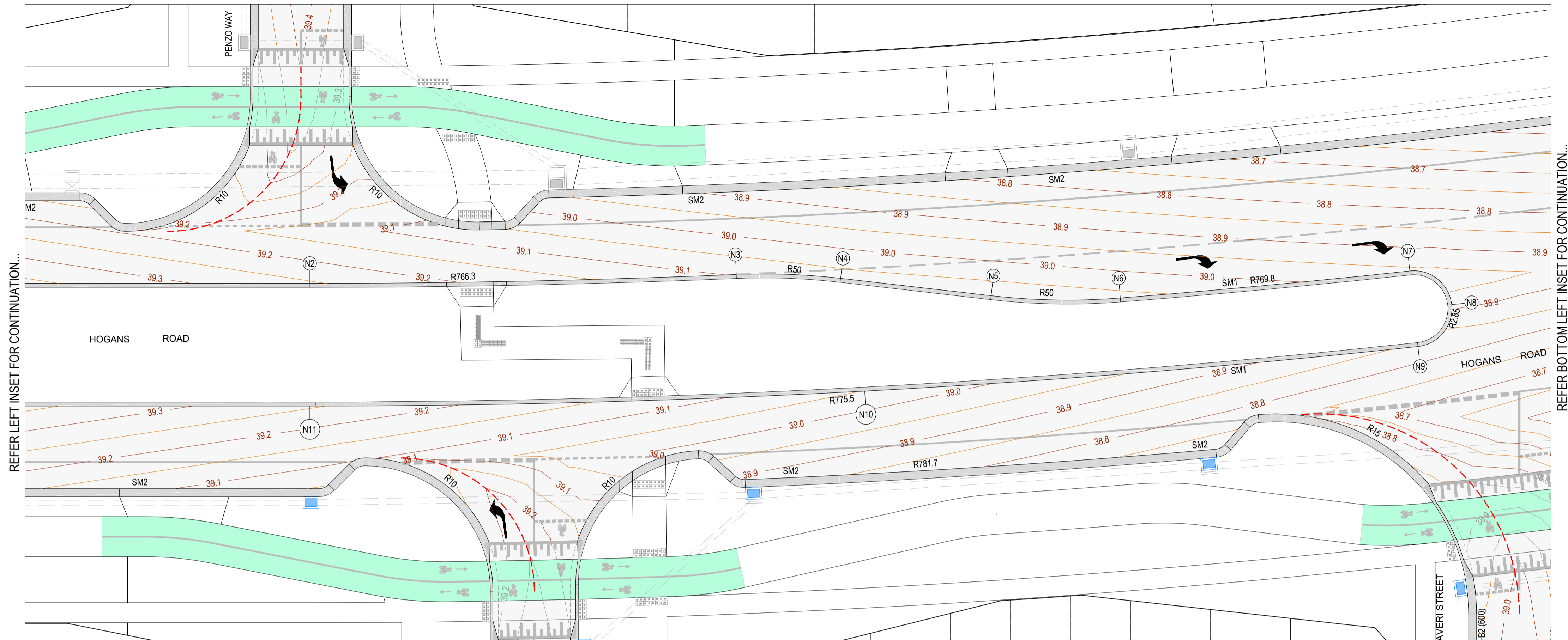
ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:200

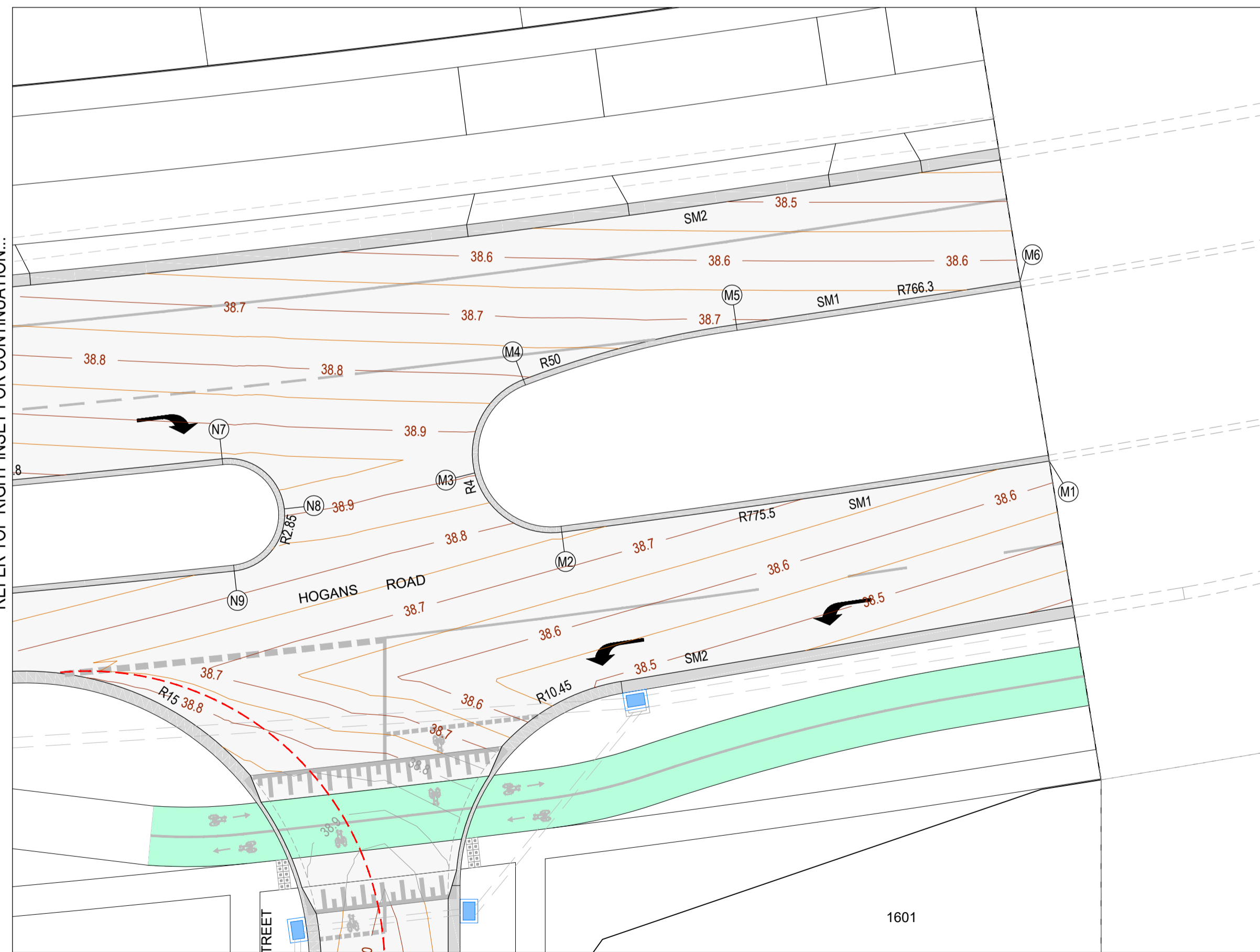
DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R301	0



REFER RIGHT INSET FOR CONTINUATION...



REFER BOTTOM LEFT INSET FOR CONTINUATION...



REFER TOP RIGHT INSET FOR CONTINUATION...

ALIGNMENT N

PT NO	EASTING	NORTHING	RL
N1	291950.925	5807669.992	40.167
N2	292081.115	5807542.574	39.256
N3	292104.431	5807520.688	39.096
N4	292109.823	5807515.01	39.075
N5	292116.975	5807506.185	39.088
N6	292123.775	5807499.286	39.068
N7	292140.709	5807485.551	38.960
N8	292141.184	5807481.549	38.914
N9	292137.182	5807481.074	38.840
N10	292105.194	5807507.697	39.048
N11	292074.68	5807535.999	39.256
N12	291963.677	5807644.639	40.033
N13	291960.716	5807647.799	40.061
N14	291958.041	5807651.203	40.101
N15	291951.261	5807660.64	40.225
N16	291946.915	5807665.894	40.283

ALIGNMENT M

PT NO	EASTING	NORTHING	RL
M1	292170.462	5807456.267	38.637
M2	292150.368	5807470.912	38.761
M3	292149.321	5807476.122	38.905
M4	292154.371	5807477.774	38.805
M5	292163.995	5807472.246	38.708
M6	292175.761	5807463.788	38.636

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
M1 - M2	1.837	775.5	24.866	0.1	0.075	6.216	6.216	6.216	38.699
M2 - M3	83.251	4	5.812	1.01	0.749	1.421	1.236	1.453	38.811
M3 - M4	83.251	4	5.812	1.01	0.749	1.421	1.236	1.453	38.874
M4 - M5	12.744	50	11.122	0.309	0.232	2.779	2.77	2.78	38.746
M5 - M6	1.09	761.499	14.491	0.034	0.026	3.623	3.623	3.623	38.672

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
N2 - N3	2.383	768.984	31.98	0.166	0.125	7.995	7.994	7.995	39.176
N3 - N4	8.982	50	7.838	0.154	0.115	1.959	1.956	1.96	39.08
N5 - N6	11.118	50	9.703	0.235	0.176	2.425	2.419	2.426	39.085
N6 - N7	1.623	769.8	21.804	0.077	0.058	5.451	5.451	5.451	39.014
N7 - N8	90	2.85	4.477	0.835	0.618	1.091	0.925	1.119	38.978
N8 - N9	90	2.85	4.477	0.835	0.618	1.091	0.925	1.119	38.849
N9 - N10	3.075	775.5	41.623	0.279	0.209	10.405	10.404	10.406	38.944
N10 - N11	3.075	775.5	41.623	0.279	0.209	10.405	10.404	10.406	39.152
N12 - N13	4.963	50	4.331	0.047	0.035	1.083	1.082	1.083	40.045
N13 - N14	4.963	50	4.331	0.047	0.035	1.083	1.082	1.083	40.08
N15 - N16	7.82	50	6.824	0.116	0.087	1.706	1.704	1.706	40.257

Planning and Environment Act 1987
 Wyndham Planning Scheme
 Approved Plan As Required
 under Condition 40
 Permit No WYP10817/18
 Date 03/03/2025

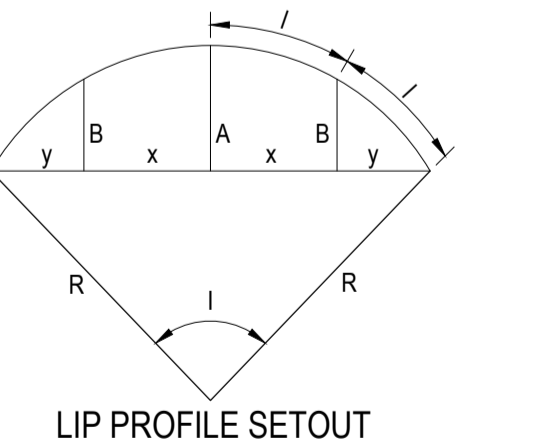
LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN & PIT
- TACTILE PAVERS
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- CROWN
- MINOR CONTOUR
- MAJOR CONTOUR

LEGEND - SECTION

- EXISTING SURFACE
- DESIGN LINE

NOTE FOR SIGNS & LINEMARKING PLAN REFER SHEETS R800.



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	13/12/24	DRIVEWAYS REVISED	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

villawood
properties
Communities Designed for Living

PROJECT

creo
CIVIL

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

DRAWING TITLE

ALAMORA - STAGE 16
INTERSECTION DETAILS - 3

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:200

DESIGNED

S.M

DRAWN

S.M

PROJECT ENGINEER

M.T

PROJECT MANAGER

M.T

PROJECT No.

200282.16

DRAWING No.

R302

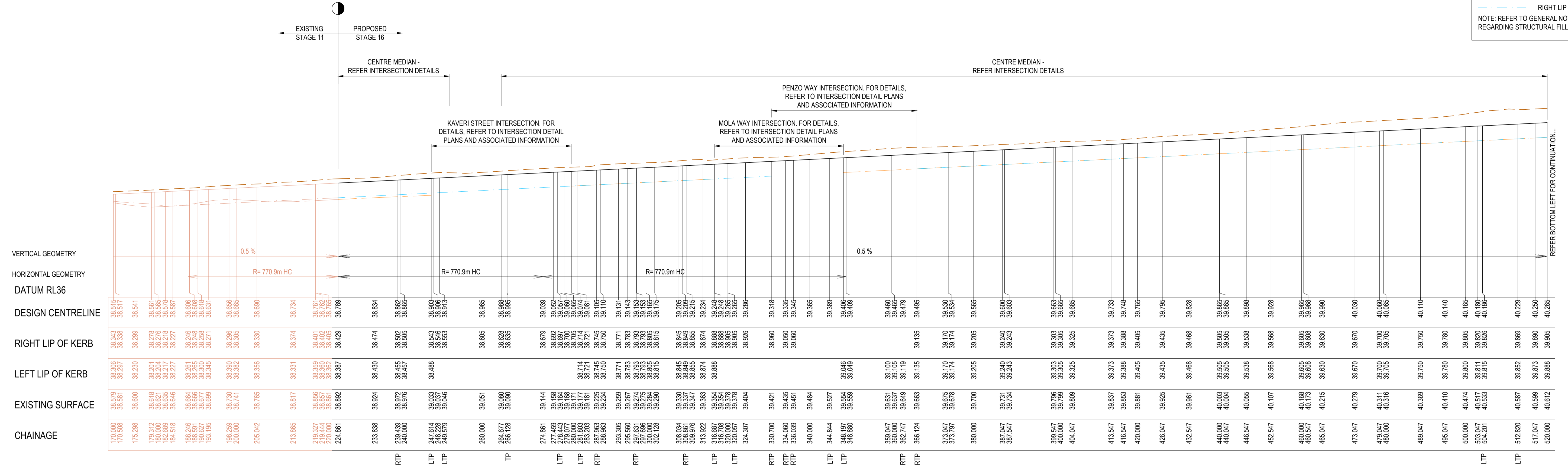
REVISION

0

LEGEND

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

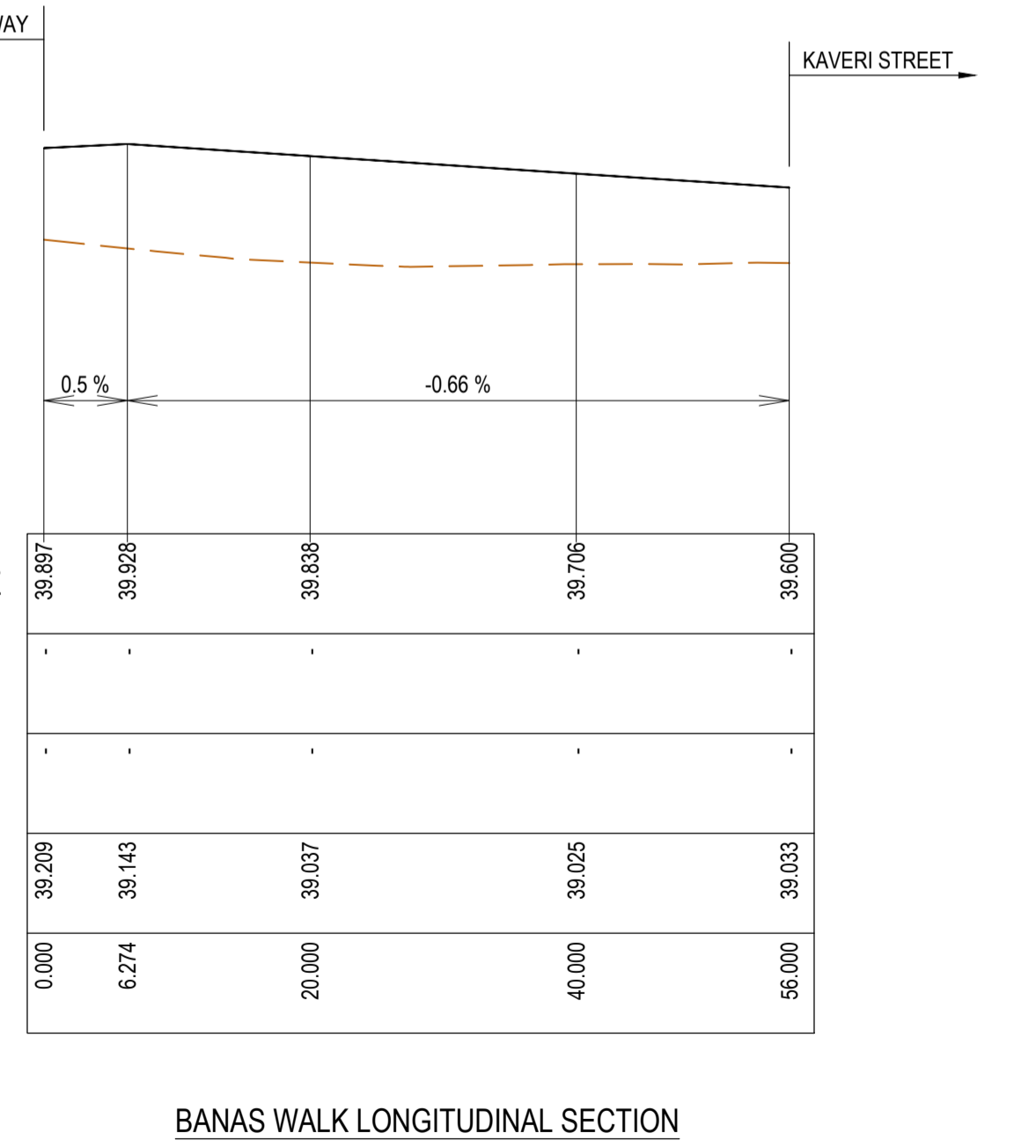
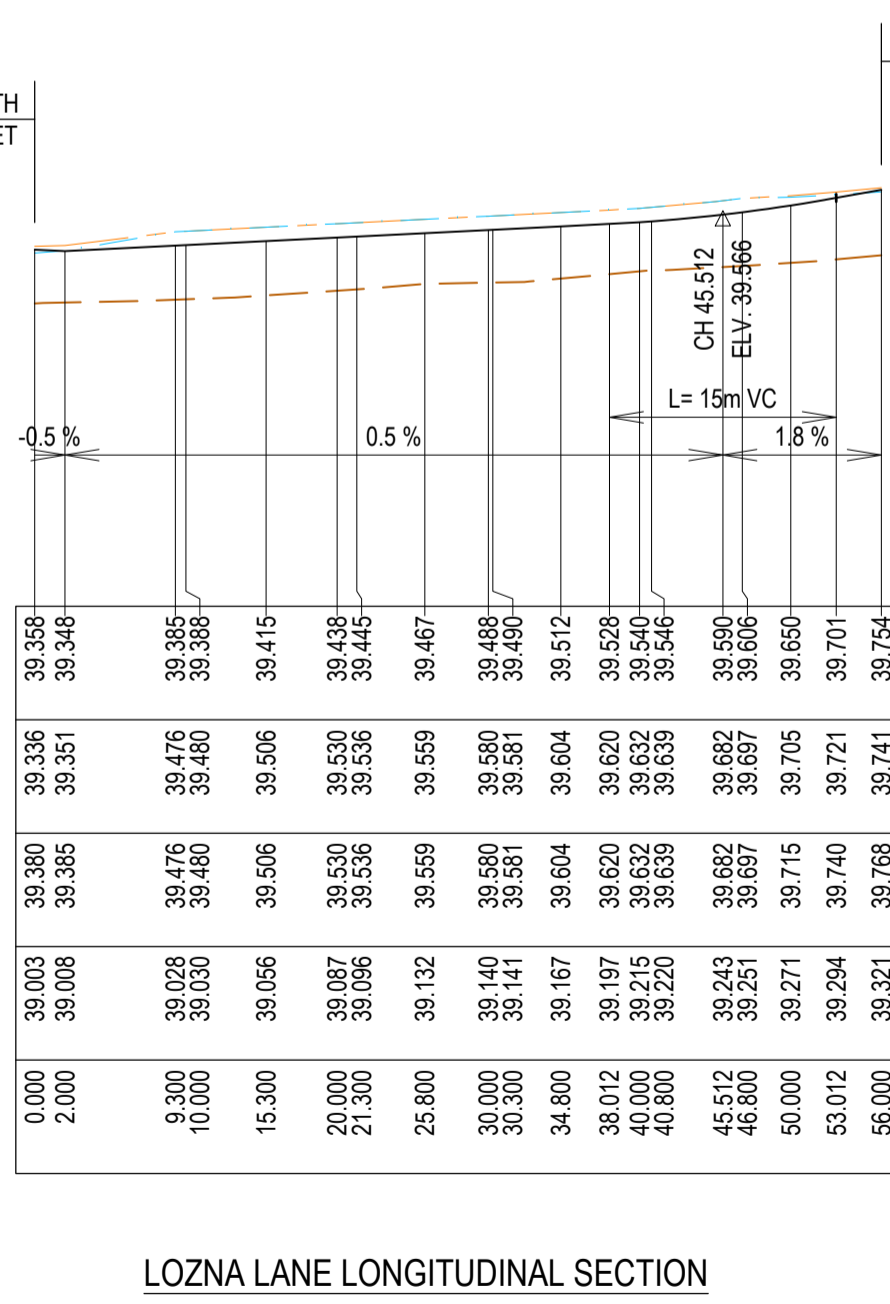
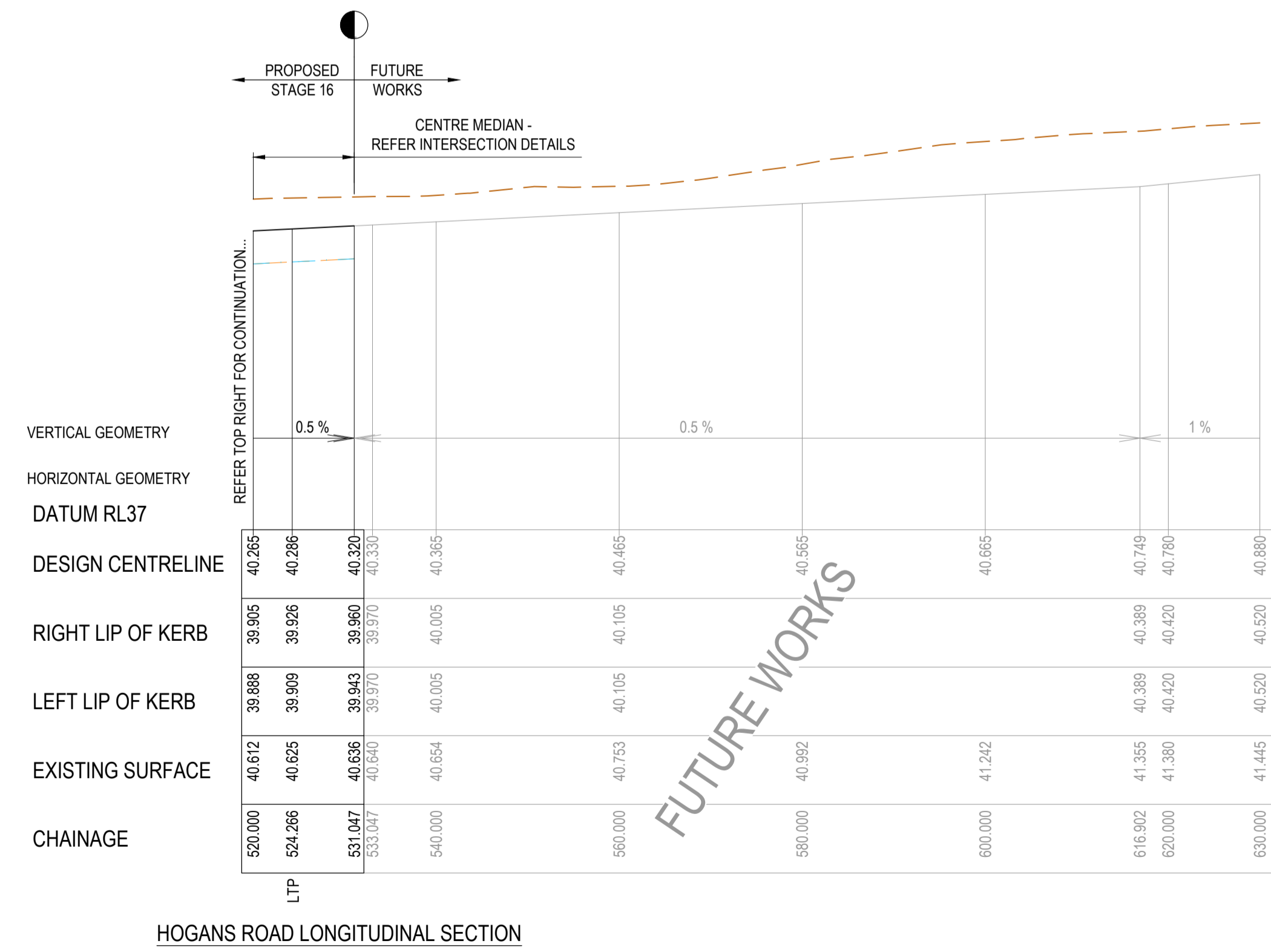
NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL



REFER BOTTOM LEFT FOR CONTINUATION...

**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025**



P:\2025\20252 - ALAMORA_TOWNSET\20252 - ALAMORA_LONGITUDINAL SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

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

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 16
ROAD LONGITUDINAL SECTIONS - 1**

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R400	0

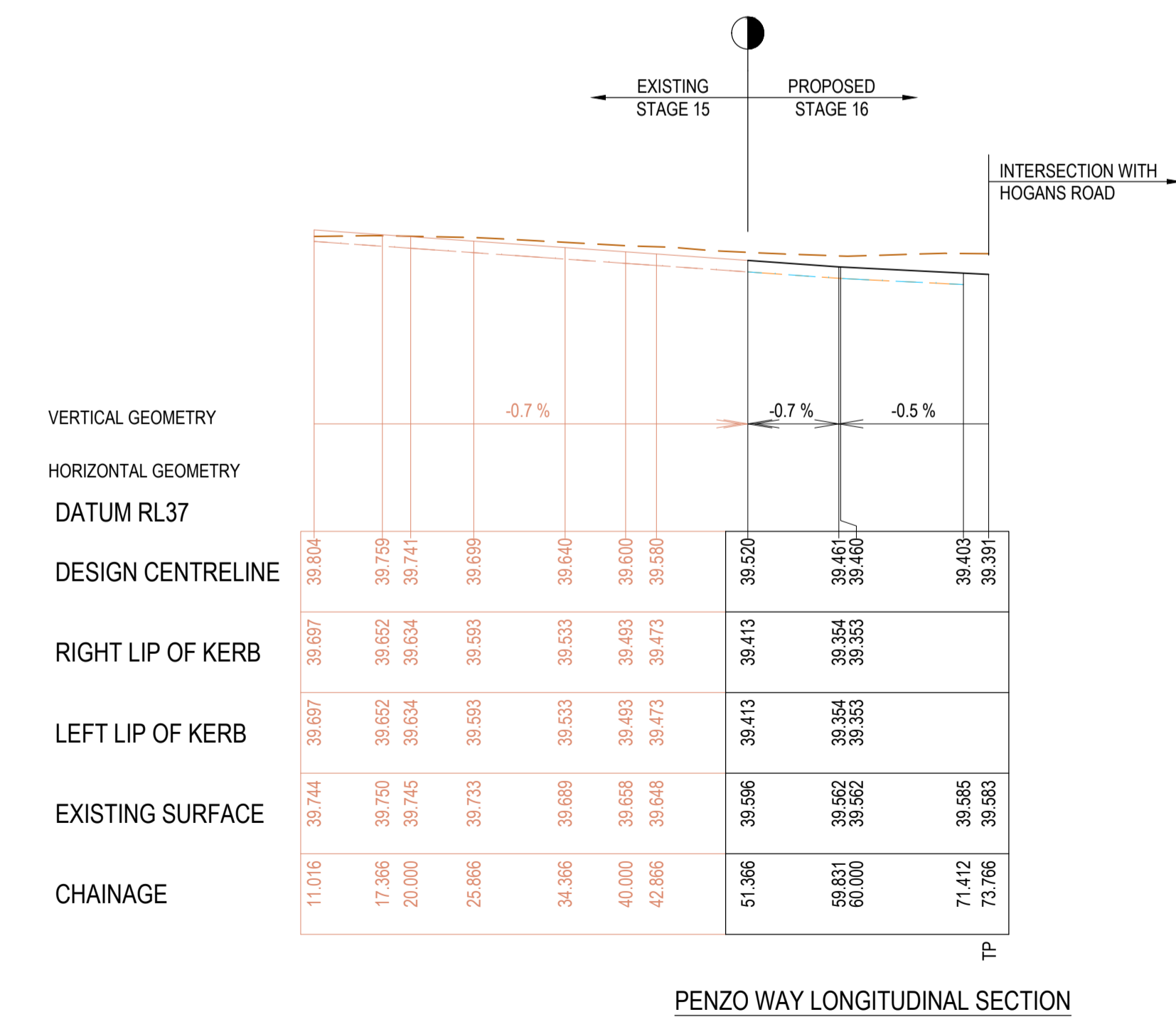
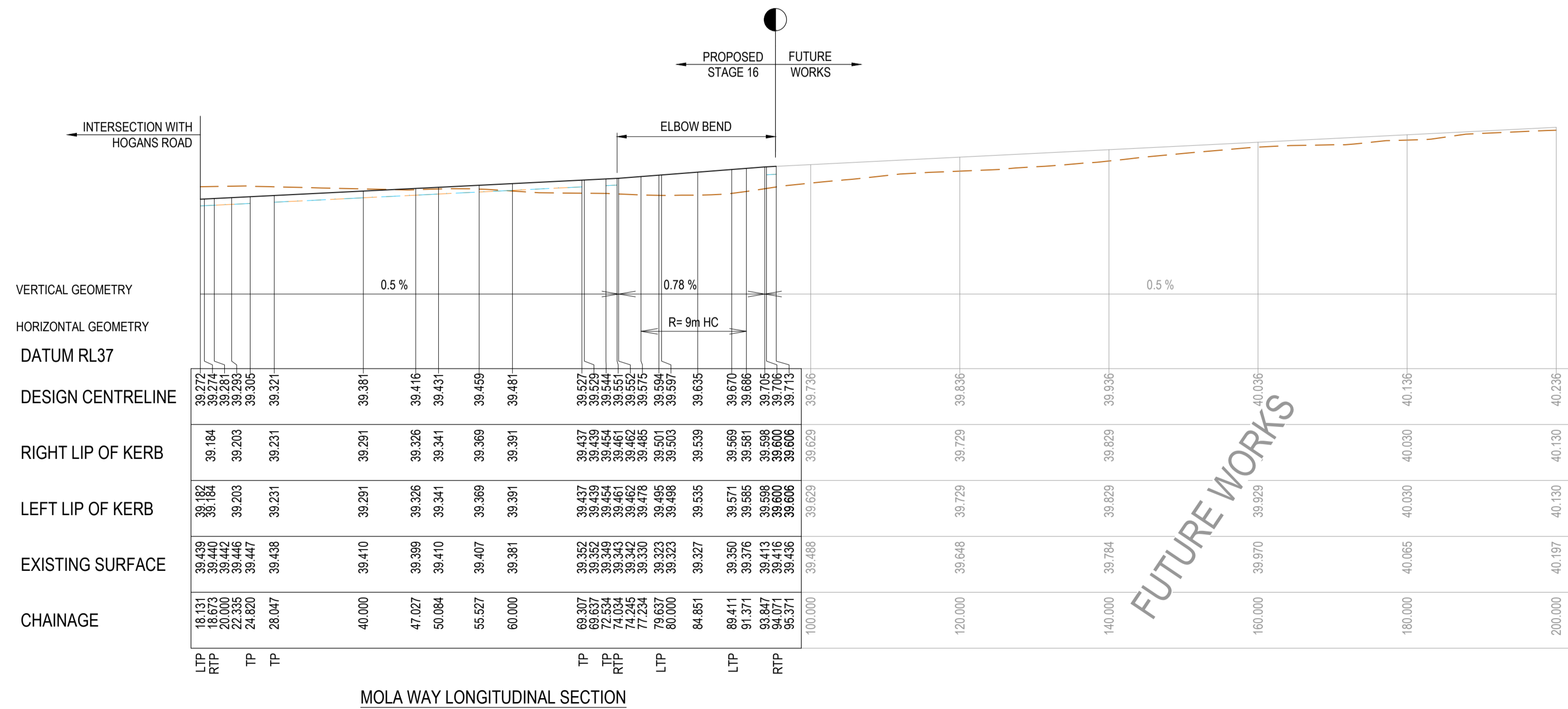
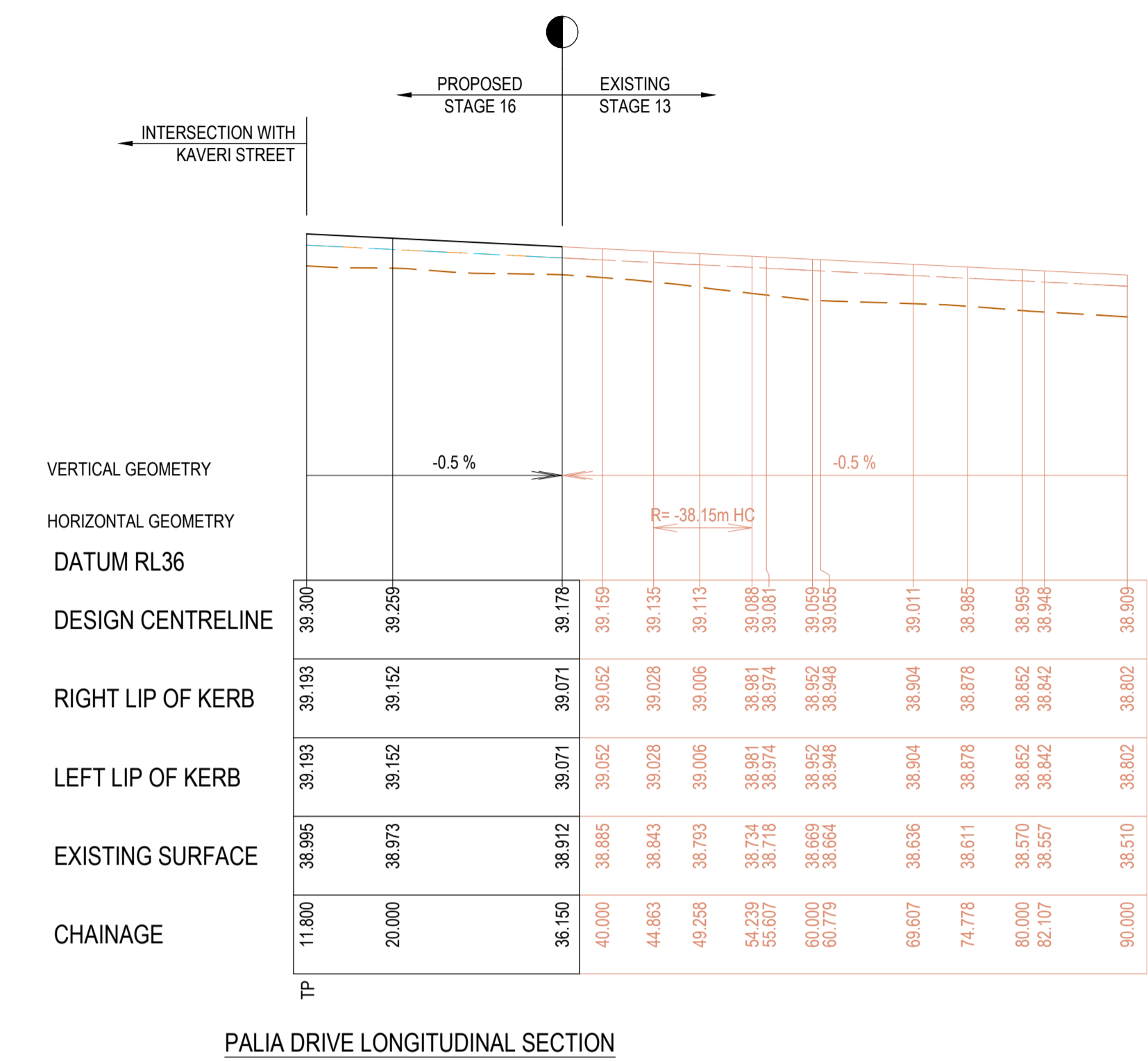
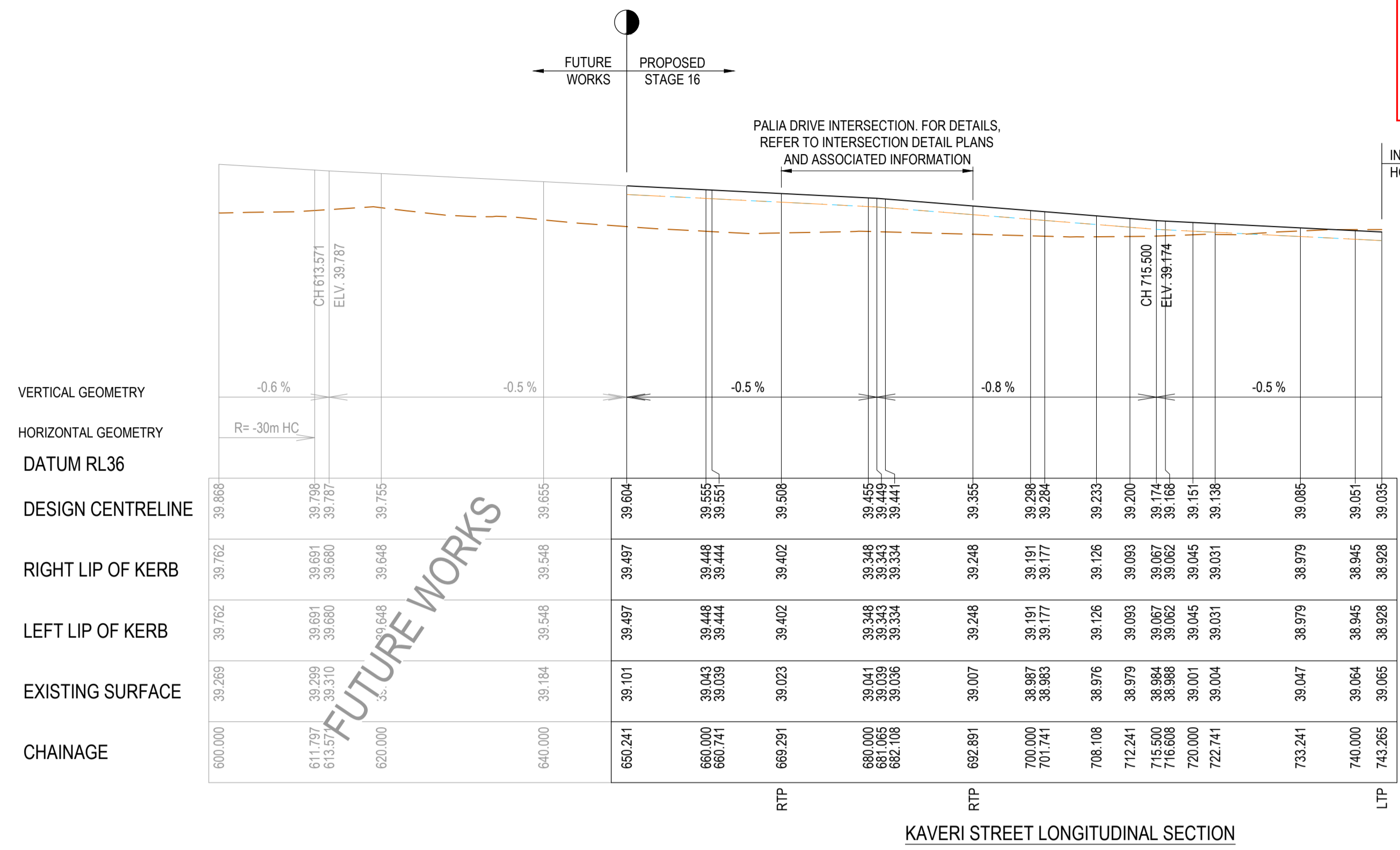
LEGEND

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

NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL

**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025**



P:\2020\20282 - ALAMORA TOWNSET\20282 - ROAD LONGITUDINAL SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

**ALAMORA - STAGE 16
ROAD LONGITUDINAL SECTIONS - 2**

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED

S.M

PROJECT ENGINEER

M.T

DRAWN

S.M

PROJECT MANAGER

M.T

PROJECT No.

200282.16

DRAWING No.

R401

REVISION

0

Planning and Environment Act 1987
Wyndham Planning Scheme

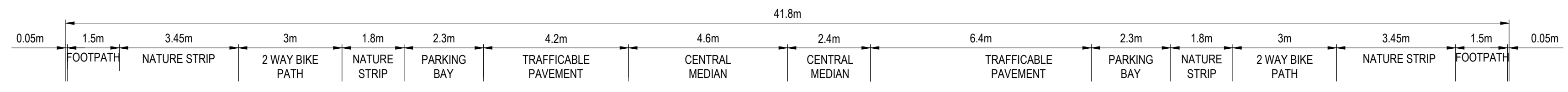
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025

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

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.

LEGEND
--- EXISTING SURFACE
— DESIGN LINE
[Hatched Box] SELECT STRUCTURAL FILL



CH 300.000	LBL	1 in 50	1 in 20	1 in 50	1 in 20	1 in 30	1 in 86	1 in 30	1 in 20	1 in 50	1 in 20	1 in 50	1 in 33.3	RBL
DATUM37.0														
DESIGN SURFACE		39.236	39.227	39.197	39.028	38.968	38.890	38.765	39.010	39.185	39.210	39.085	38.805	38.890
EXISTING SURFACE		39.217	39.217	39.216	39.224	39.251	39.257	39.258	39.282	39.135	39.284	39.284	39.295	39.286
OFFSET		21.203	-20.850	-19.350	-15.955	-12.955	-11.400	-11.100	-4.600	-4.300	0.000	2.103	2.408	10.800

LTPCH 281.803	LBL	1 in 40	1 in 50	1 in 20	1 in 50	1 in 20	1 in 30	1 in 43	1 in 30	1 in 20	1 in 50	1 in 20	1 in 30	1 in 33.3	RBL
DATUM37.0															
DESIGN SURFACE		39.191	39.136	39.106	39.971	39.911	38.739	38.674	39.919	39.162	39.162	38.874	39.714	38.674	
EXISTING SURFACE		39.139	39.140	39.142	39.128	39.119	39.132	39.134	39.155	39.156	39.156	39.156	39.228	39.229	
OFFSET		-23.025	-20.850	-19.350	-16.645	-13.645	-11.400	-11.100	-4.600	-4.300	0.000	0.800	1.100	10.800	

LTPCH 247.614	LBL	1 in 17.6	1 in 50	1 in 50	1 in 20	1 in 30	1 in 30.2	1 in 20	1 in 50	1 in 20	1 in 50	1 in 33.3	RBL
DATUM37.0													
DESIGN SURFACE		39.047	38.827	38.797	38.775	38.715	38.573	38.448	38.751	38.888	38.888	38.897	38.772
EXISTING SURFACE		38.992	38.991	38.995	38.996	39.005	39.014	39.015	39.036	39.036	39.036	39.036	39.031
OFFSET		-24.718	-20.850	-19.350	-19.303	-15.903	-13.058	-12.758	-4.600	-4.300	0.000	3.586	3.881

CH 224.861	LBL	1 in 10	1 in 50	1 in 20	1 in 50	1 in 20	1 in 30	1 in 30	1 in 20	1 in 50	1 in 20	1 in 50	1 in 33.3	RBL
DATUM37.0														
DESIGN SURFACE		38.854	38.750	38.719	38.607	38.547	38.472	38.347	38.637	38.761	38.761	38.761	38.429	
EXISTING SURFACE		38.823	38.822	38.821	38.822	38.824	38.826	38.826	38.853	38.855	38.855	38.855	38.898	
OFFSET		-21.909	-20.892	-19.332	-17.100	-14.100	-12.600	-12.300	-4.600	-4.300	0.000	4.300	10.800	

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 16
ROAD CROSS SECTIONS - 1

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R500	0

P:\2025\20252 - ALAMORA - TARNET\20252 - ROAD CROSS SECTIONS.DWG

**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40**

Permit No WYP10817/18

Date 03/03/2025

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

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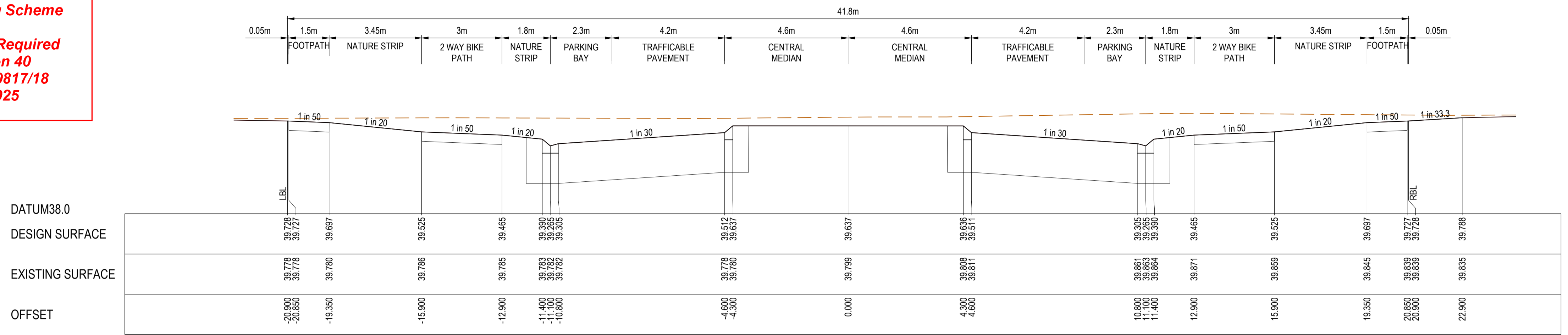
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

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

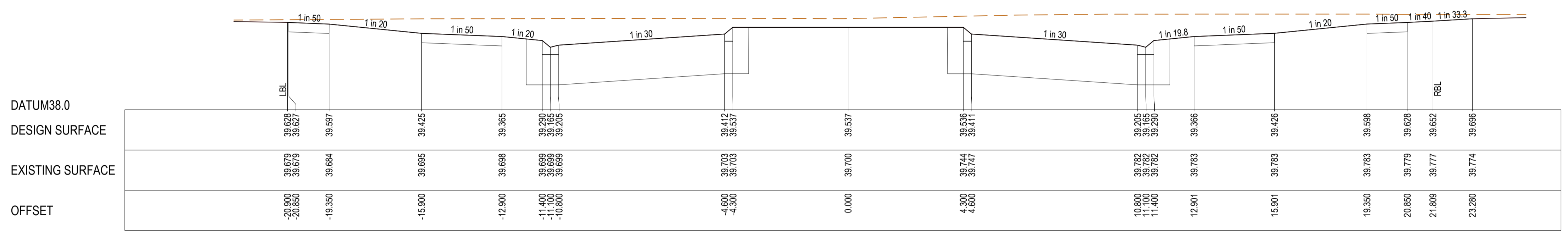
NOTE:
SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

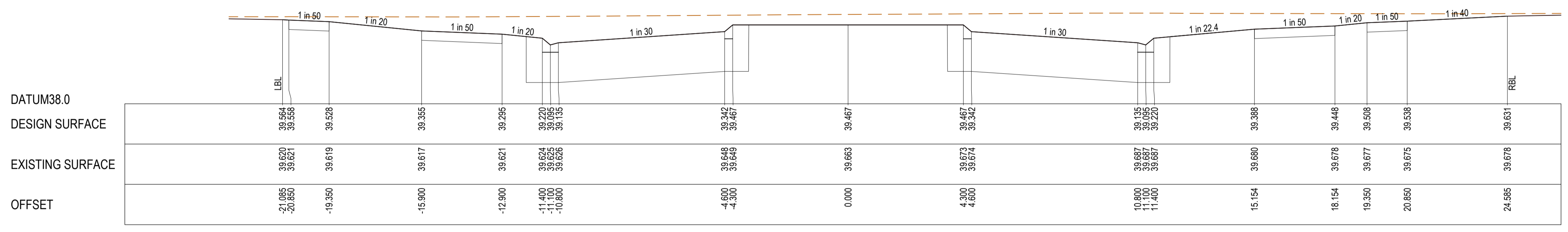
- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL



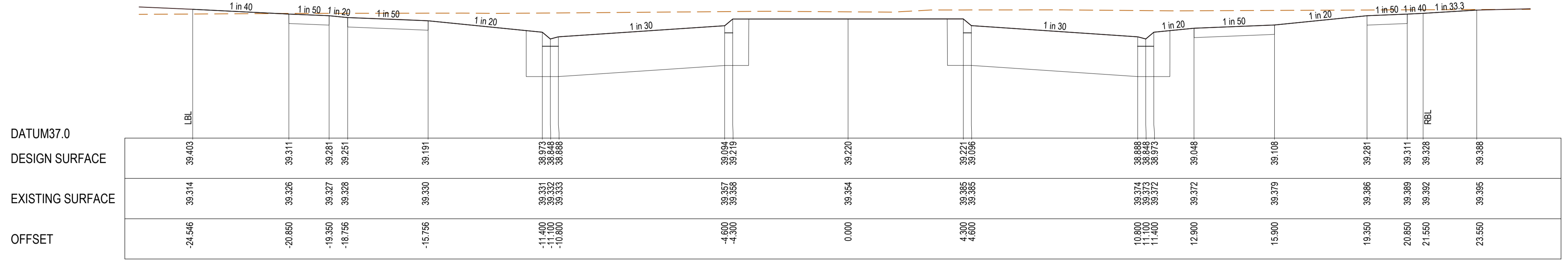
CH 400.000



CH 380.000



RTPCH 366.124



LTPCH 316.687

REVISION 0 18/02/25 ISSUED FOR CONSTRUCTION A 10/12/24 ISSUED FOR APPROVAL	DATE	ISSUE DESCRIPTION	DRAWN S.M CHECKED A.W APPROVED M.T M.T	CLIENT Communities Designed for Living	PROJECT 	DRAWING TITLE ALAMORA - STAGE 16 ROAD CROSS SECTIONS - 2	STATUS ISSUED FOR CONSTRUCTION SCALE @ A1: 1:100 (H) 1:50 (V)	DESIGNED S.M DRAWN S.M PROJECT No. 200282.16	PROJECT ENGINEER M.T PROJECT MANAGER M.T DRAWING No. R501	REVISION 0

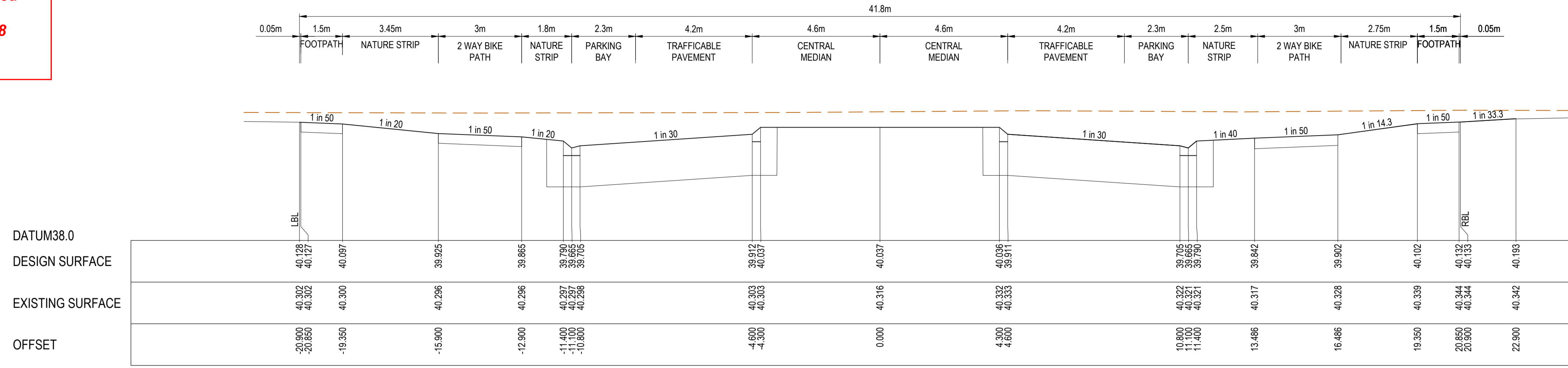
P:\2020\2025\ALAMORA_TARNAIT\2025\2025\16_1603_ROAD_CROSS_SECTIONS.DWG

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

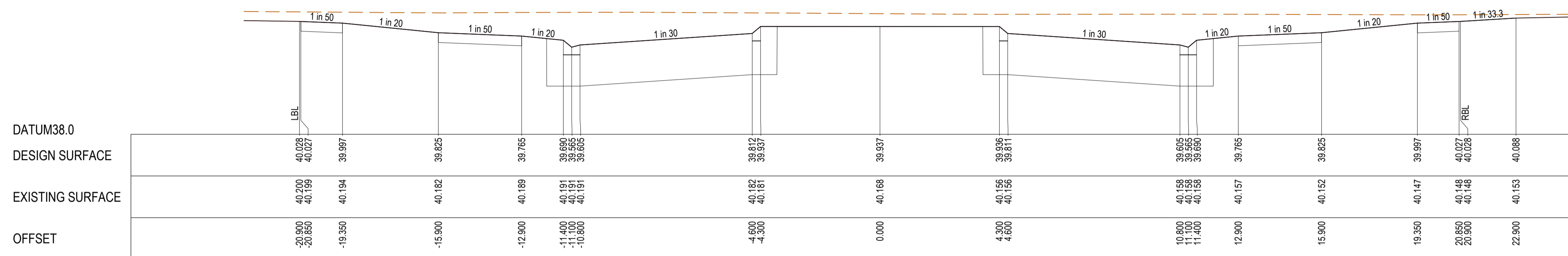
NOTE:
SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

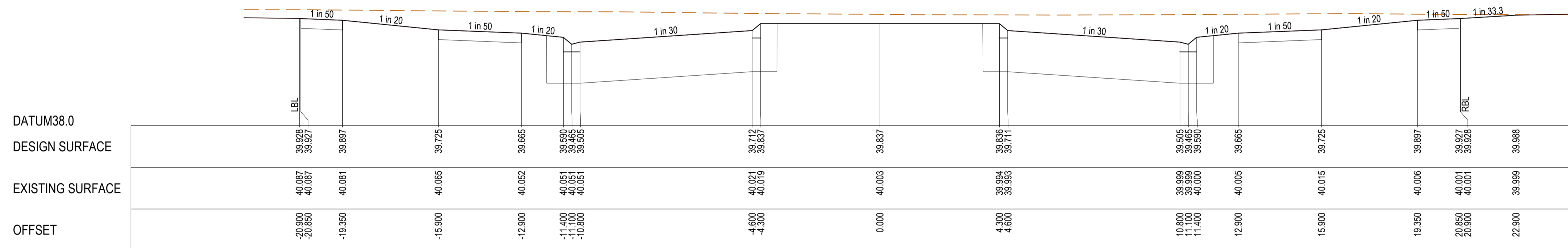
	EXISTING SURFACE
	DESIGN LINE
	SELECT STRUCTURAL FILL



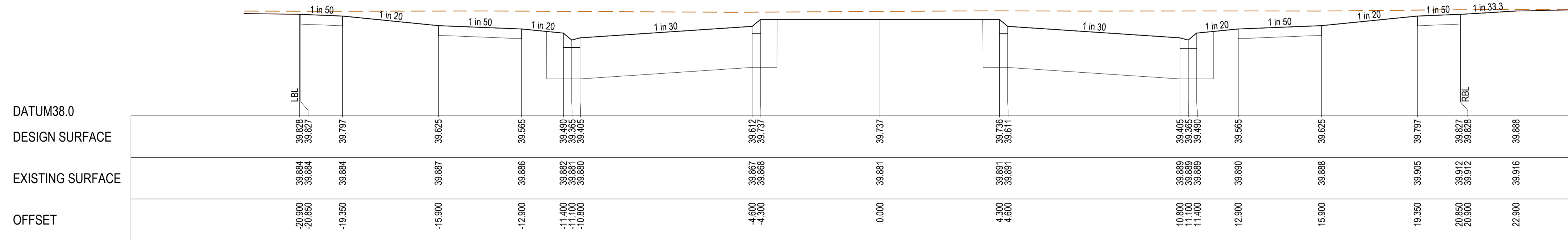
CH 480.000



CH 460.000



CH 440.000



CH 420.000

P:\2020\20282 - ALAMORA - TARNIT\20282 - CIVIL\2 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	13/12/24	ADDED BUS STOP	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 16
ROAD CROSS SECTIONS - 3**

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R502	0

**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025**

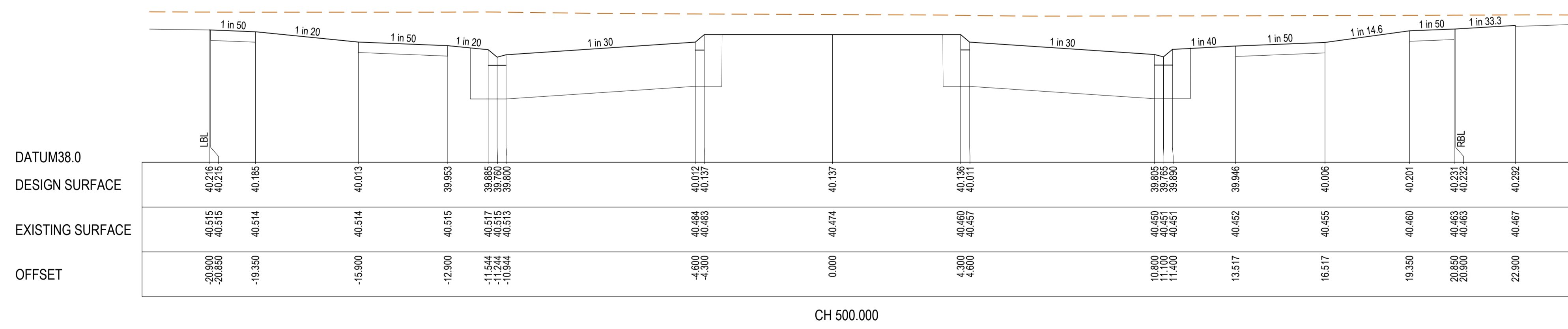
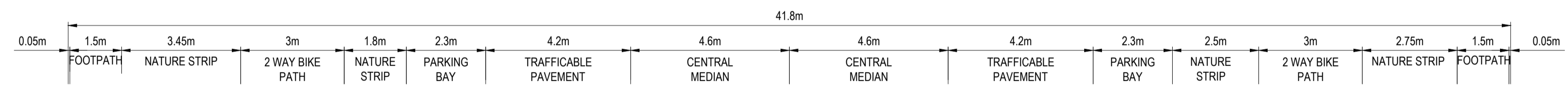
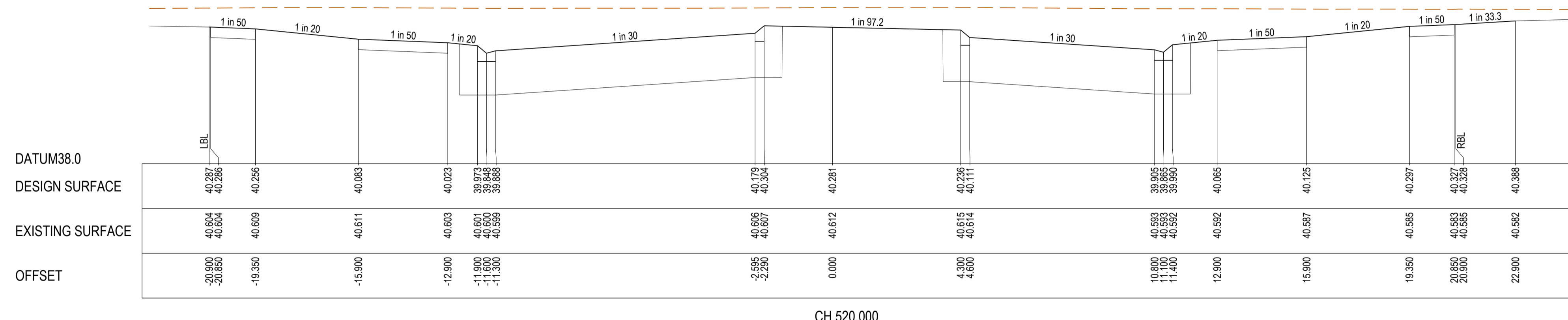
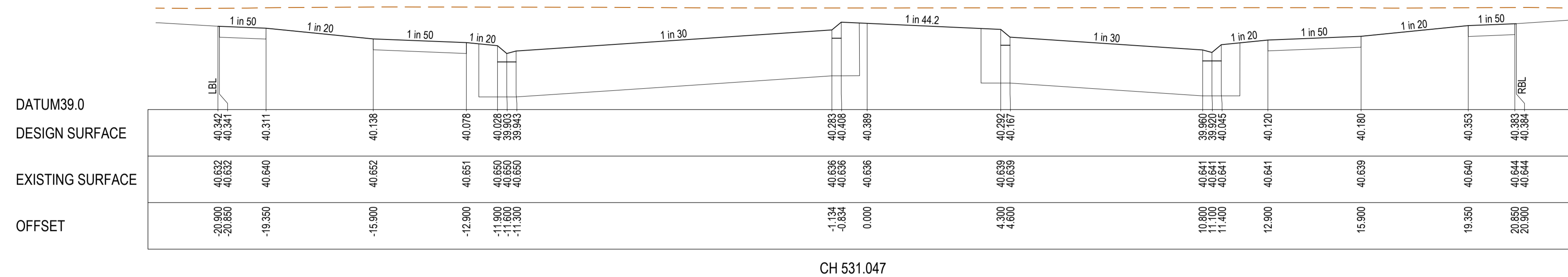
WARNING
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NOTE:
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NOTE:
SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- ▨ SELECT STRUCTURAL FILL



P:\2025\20252 - ALAMORA_TOWNSET\20252 - R503 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	13/12/24	ADDED BUS STOP	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

villawood properties
Communities Designed for Living

PROJECT

creo CIVIL

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

DRAWING TITLE

**ALAMORA - STAGE 16
ROAD CROSS SECTIONS - 4**

ALAMORA townset

STATUS

ISSUED FOR CONSTRUCTION

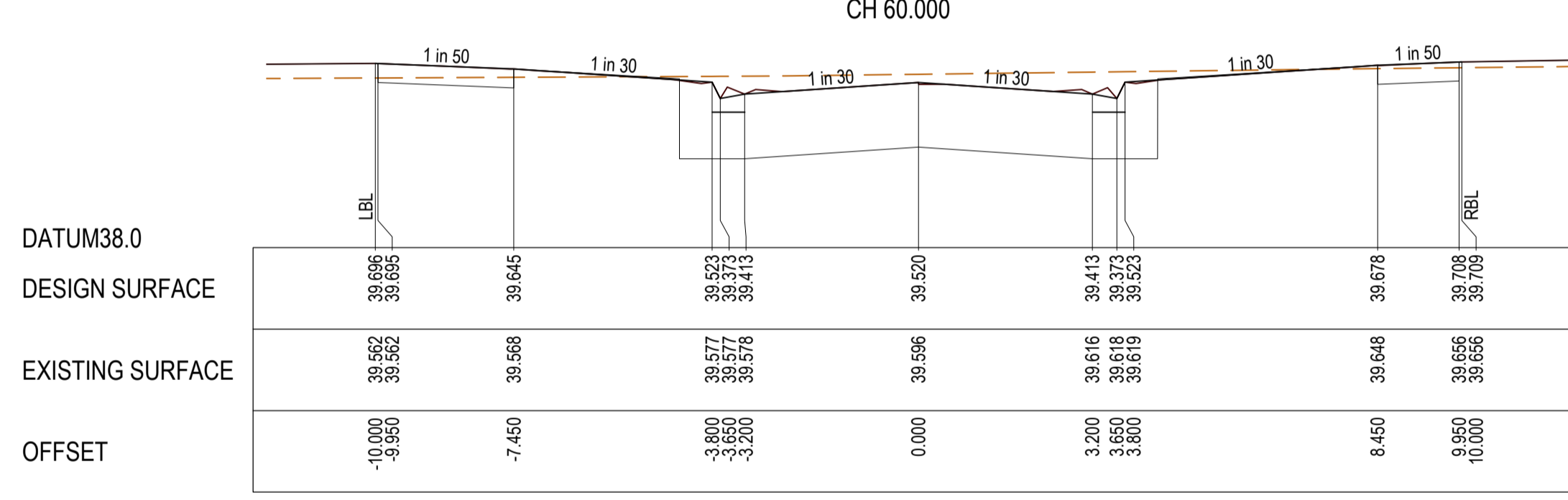
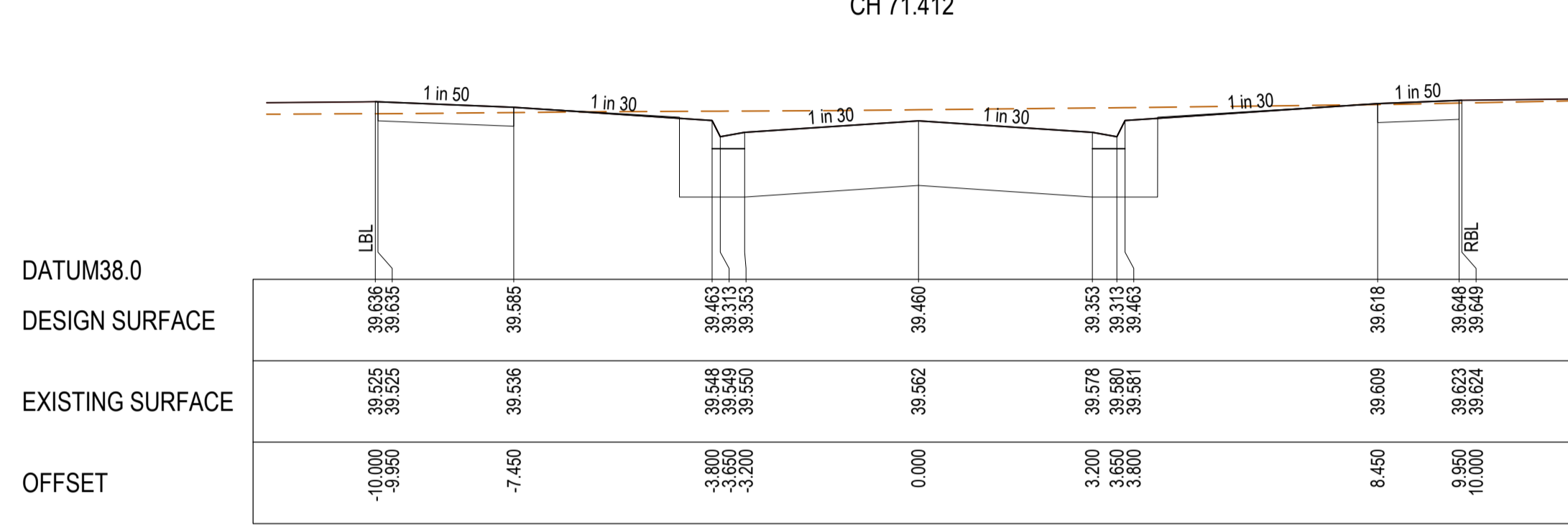
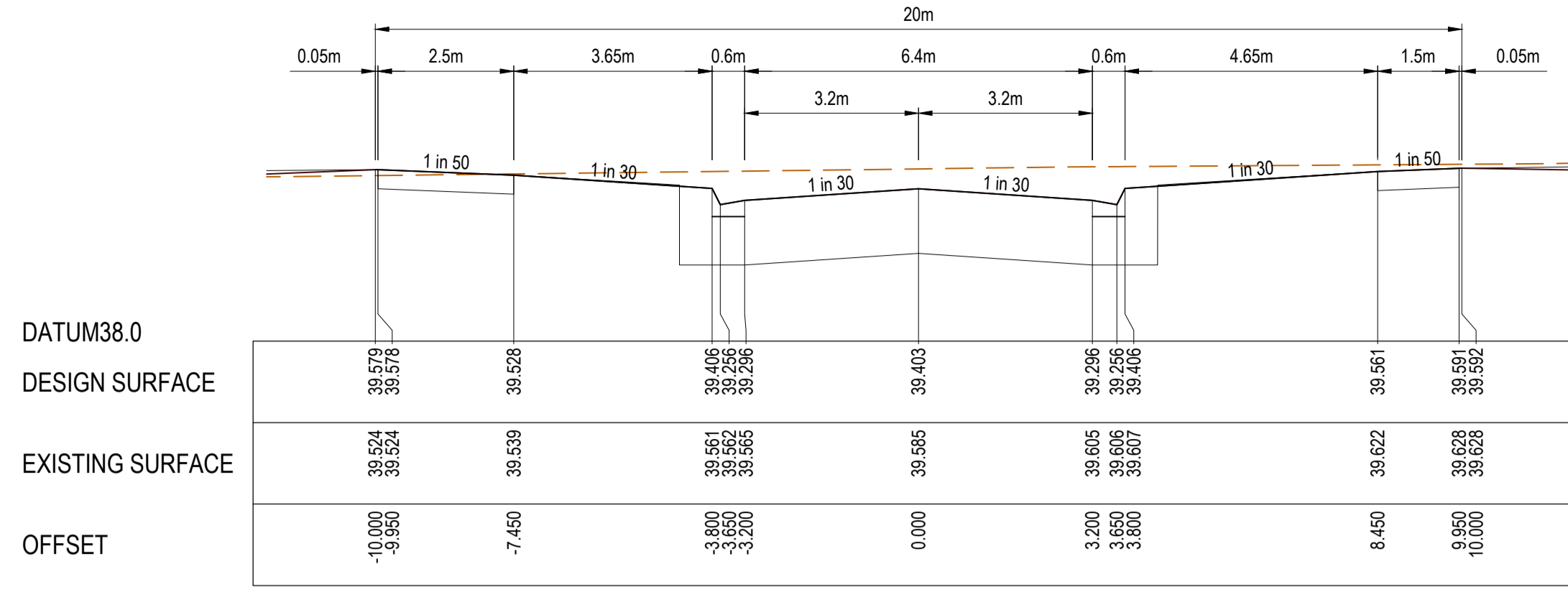
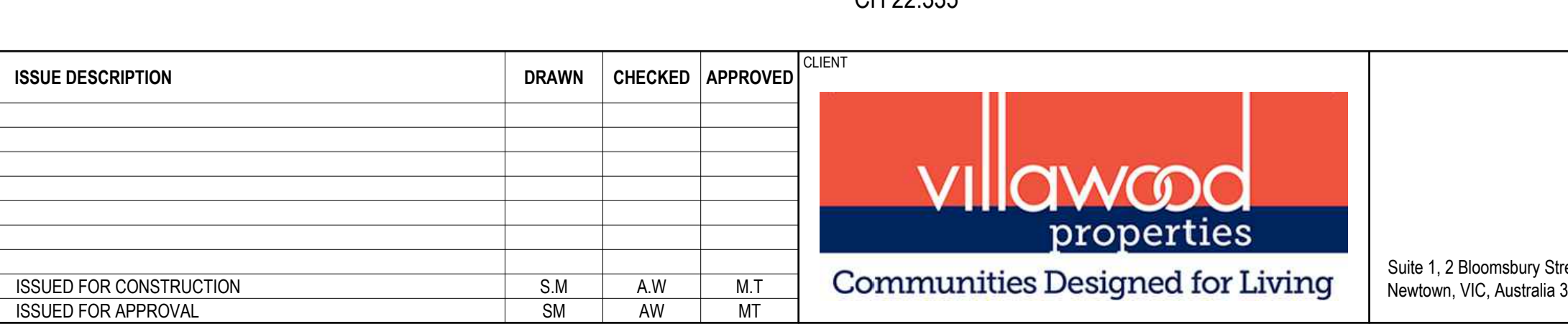
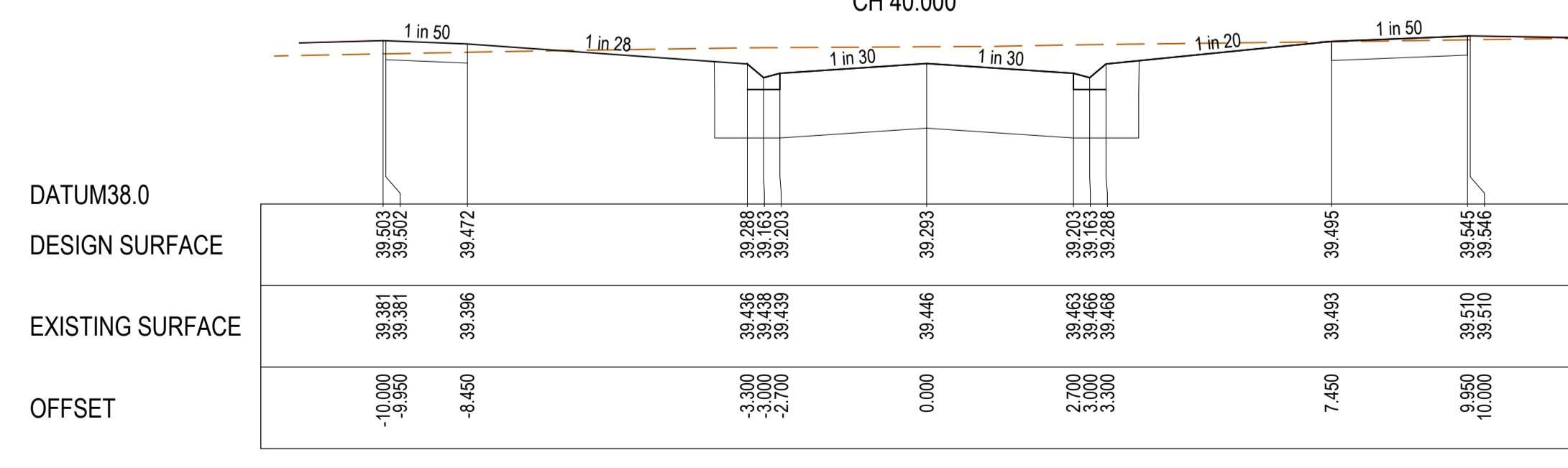
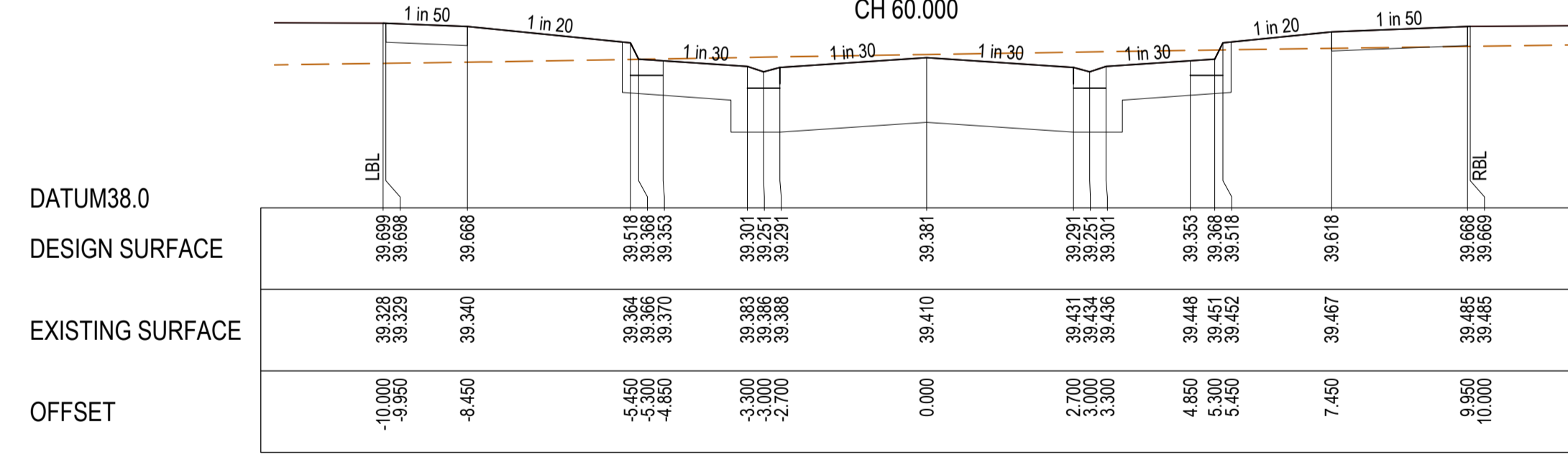
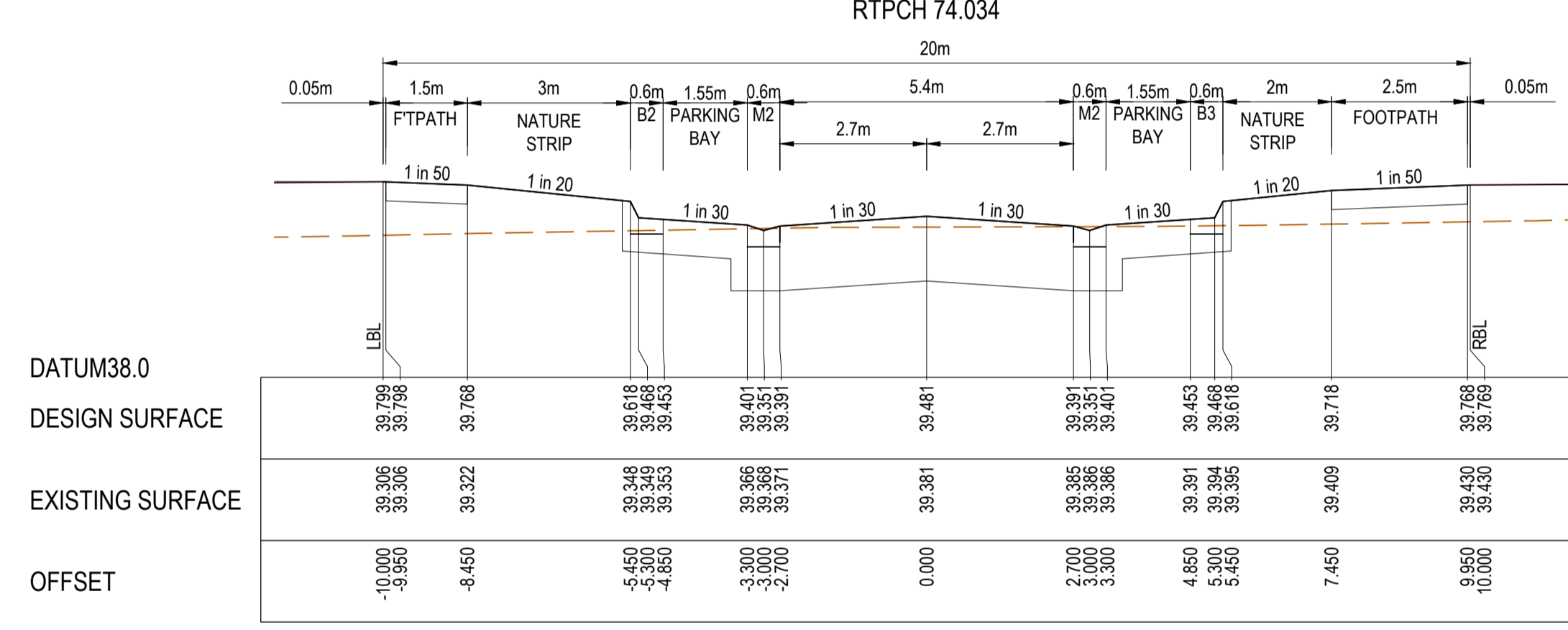
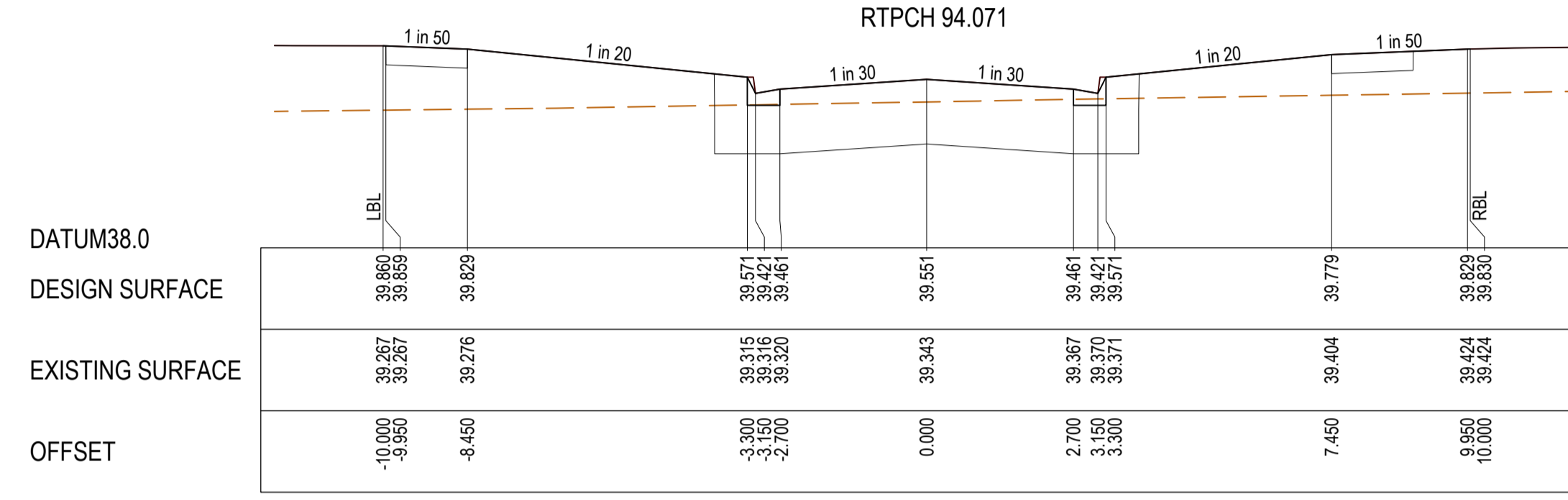
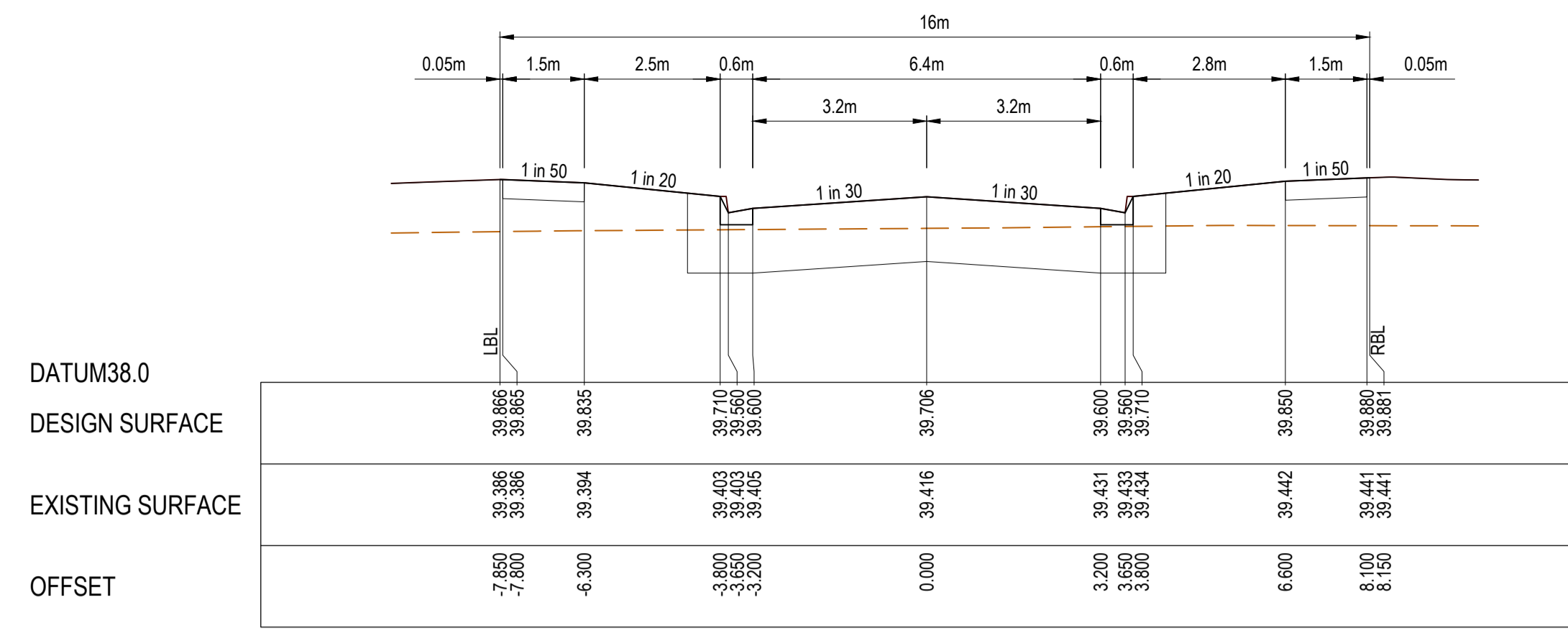
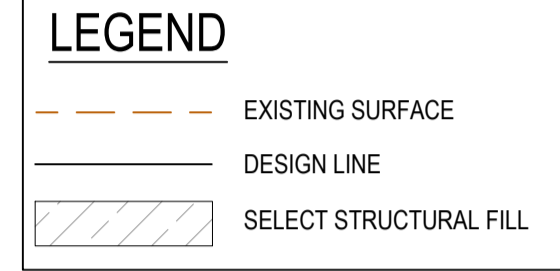
SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R503	0

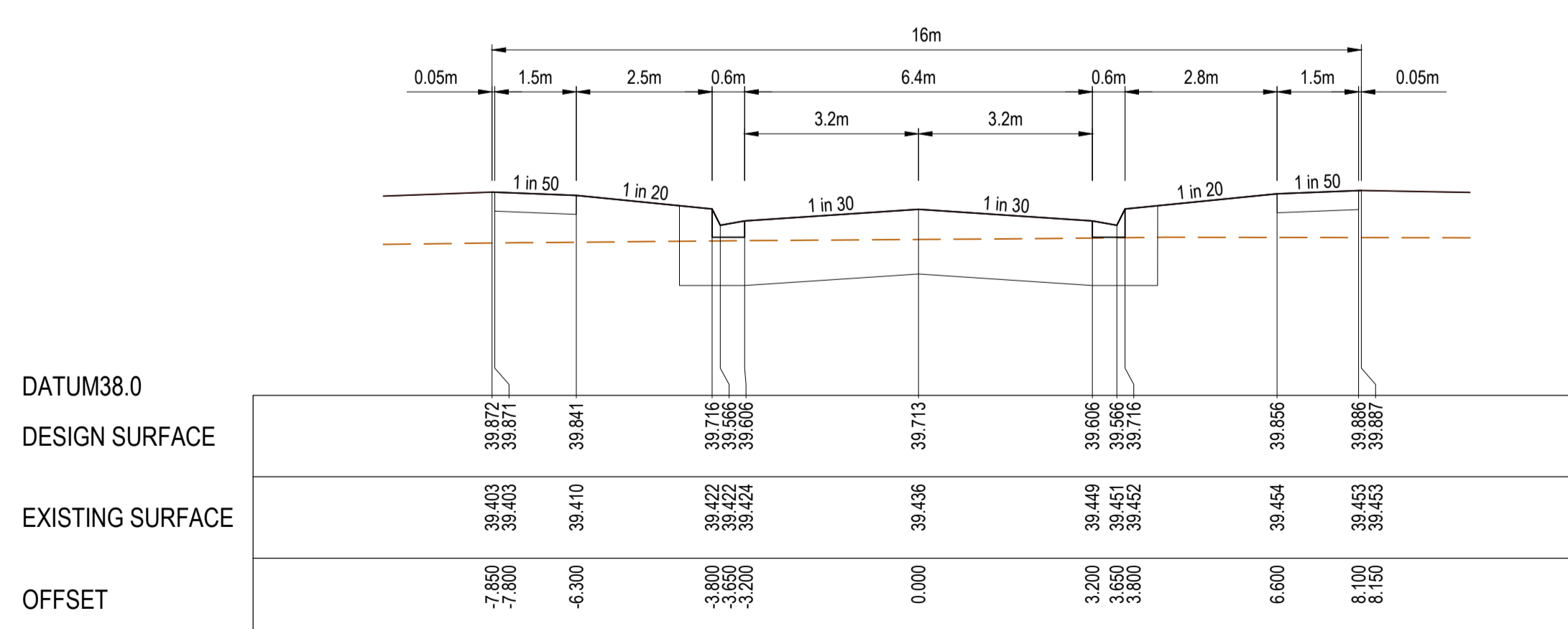
WARNING
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NOTE:
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NOTE:
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PENZO WAY



MOLA WAY

P:\2022\2022-ALAMORA_TOWNSET\2022-ALAMORA_TOWNSET\DRAWINGS\ROADS & DRAINAGE\2022-16-5000-ROAD_CROSS_SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

villawood
properties
Communities Designed for Living

creo
CIVIL

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

PROJECT

ALAMORA
Townset

DRAWING TITLE

**ALAMORA - STAGE 16
ROAD CROSS SECTIONS - 5**

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:100 (H) 1:50 (V)

PROJECT ENGINEER

S.M

M.T

PROJECT MANAGER

S.M

M.T

PROJECT No.

200282.16

DRAWING No.

R504

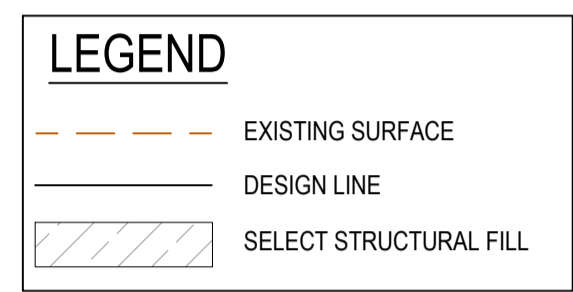
REVISION

0

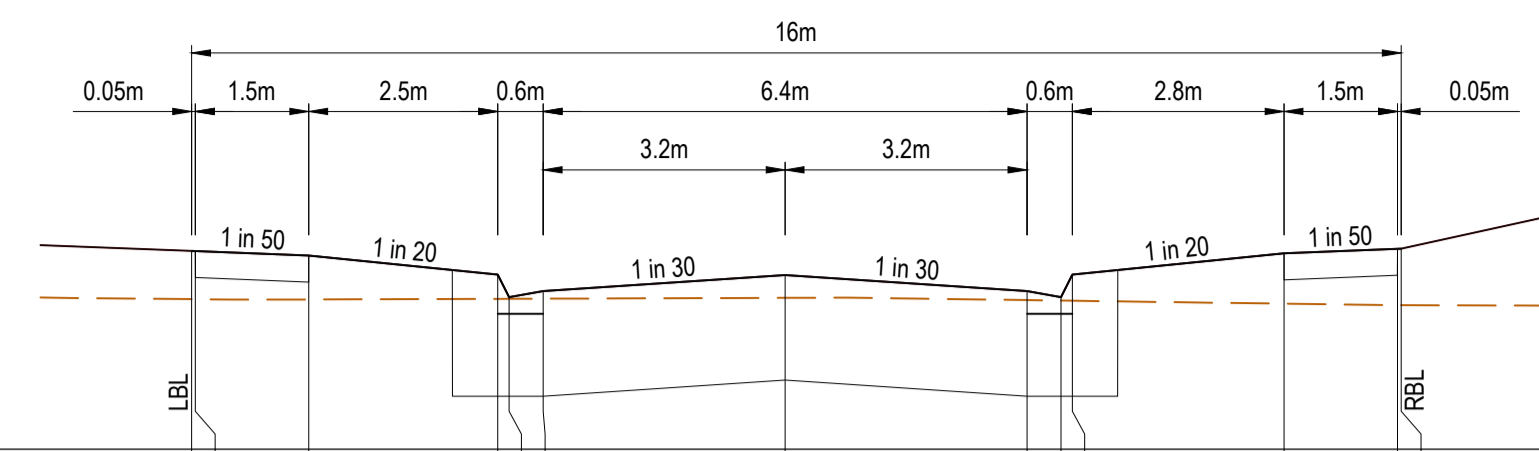
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
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DIAL 1100 BEFORE YOU DIG
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NOTE:
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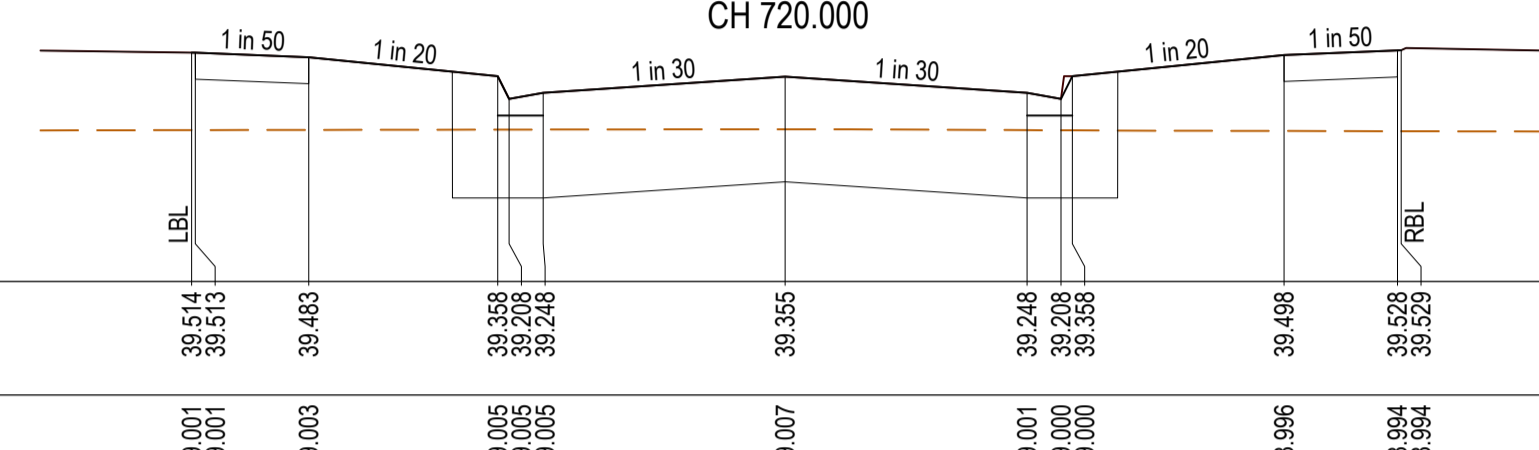
NOTE:
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



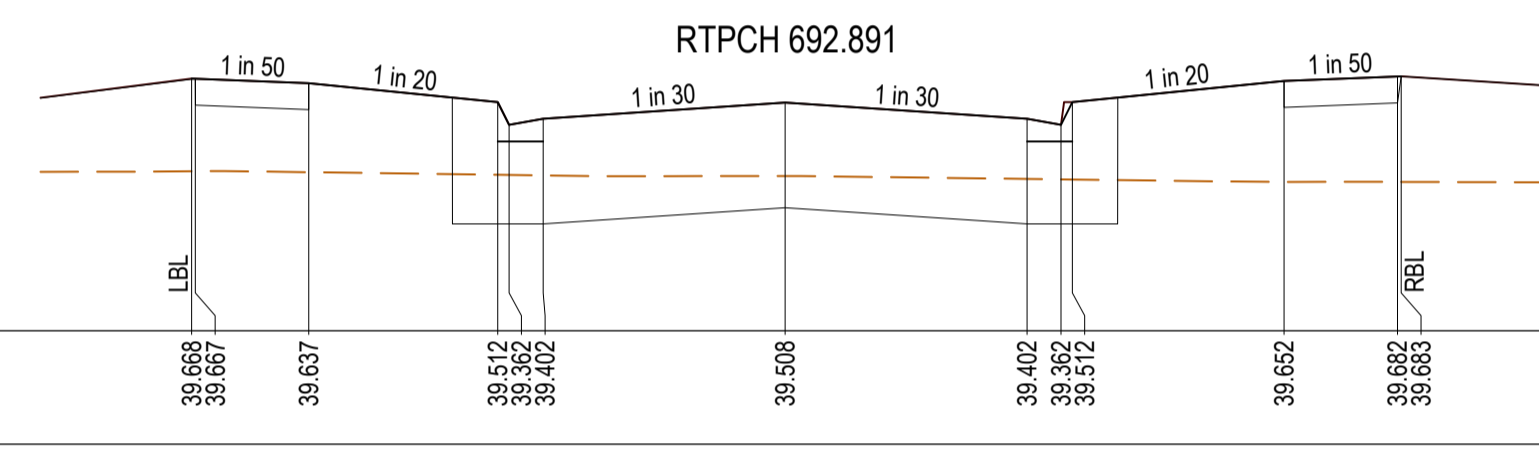
Planning and Environment Act 1987
Wyndham Planning Scheme
 Approved Plan As Required
 under Condition 40
 Permit No WYP10817/18
 Date 03/03/2025



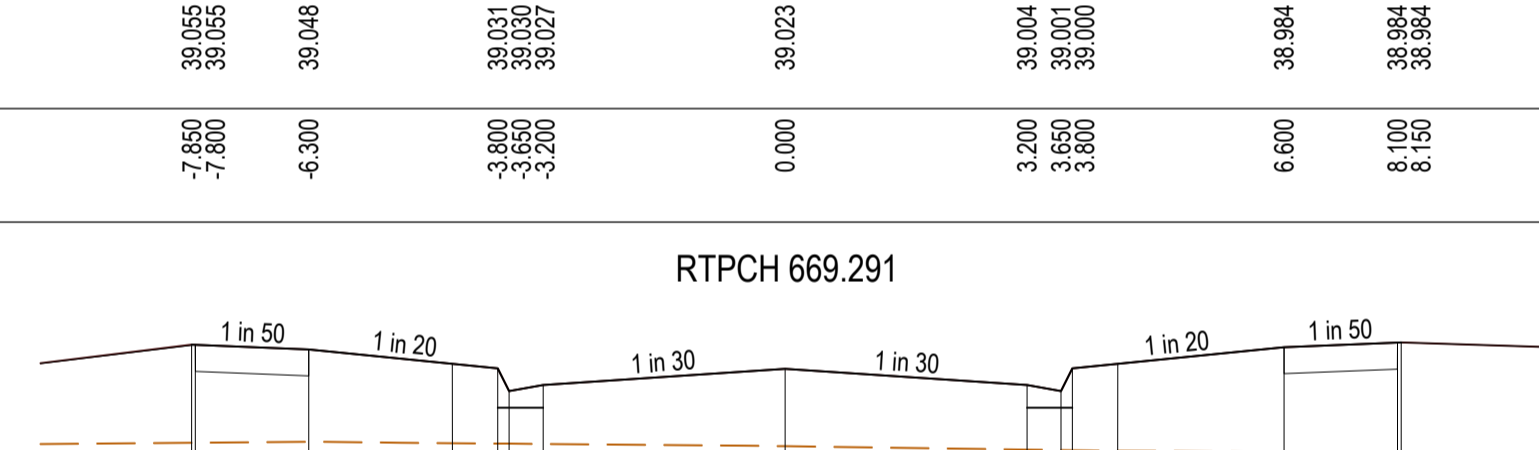
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EXISTING SURFACE	38.992, 38.992, 38.990, 38.994, 38.994, 39.005, 38.994, 38.994, 38.995, 38.995, 38.992, 38.952, 39.326
OFFSET	-7.850, -7.800, -6.300, -3.800, -3.650, -3.200, 0.000, 3.200, 3.600, 3.800, 6.600, 8.100, 8.150



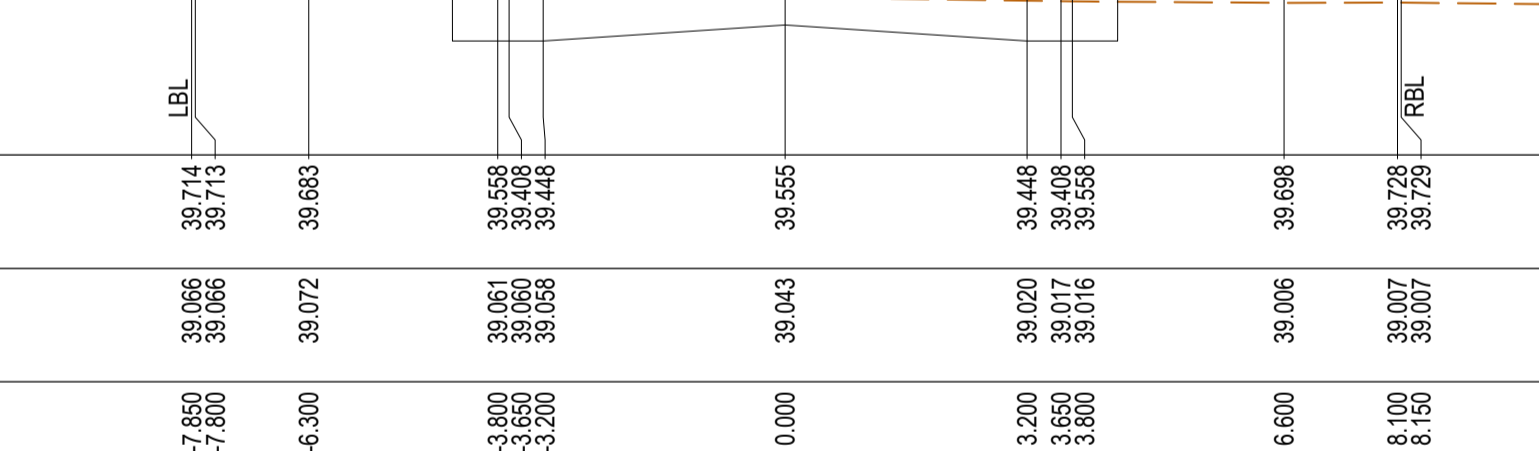
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DATUM38.0	
DESIGN SURFACE	39.668, 39.667, 39.637, 39.512, 39.402, 39.508, 39.402, 39.512, 39.637, 39.682, 39.683, 39.683
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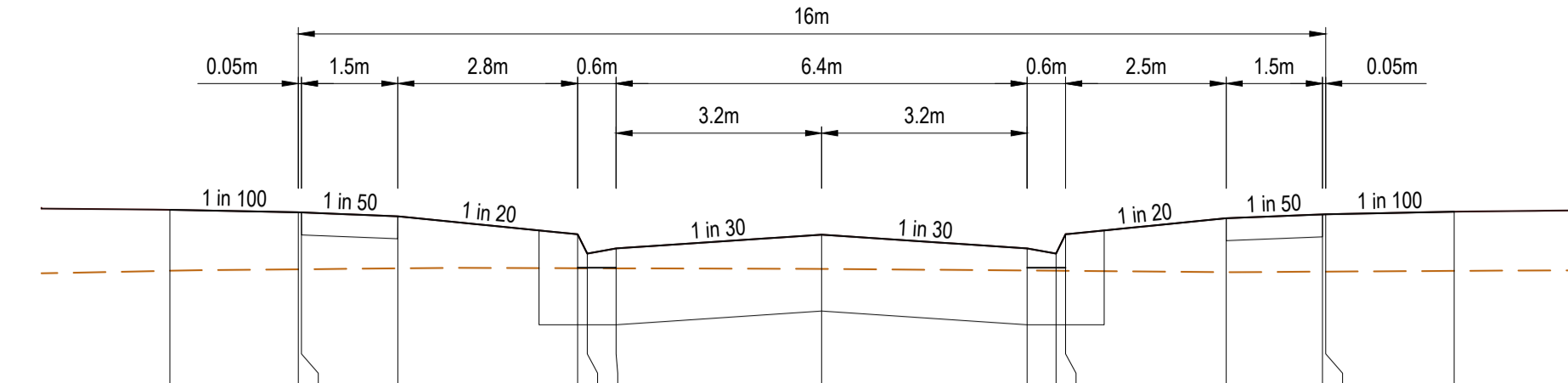


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EXISTING SURFACE	39.066, 39.066, 39.072, 39.051, 39.050, 39.043, 39.020, 39.016, 39.016, 39.016, 39.006, 39.728, 39.728, 39.729
OFFSET	-7.850, -7.800, -6.300, -3.800, -3.650, -3.200, 0.000, 3.200, 3.600, 3.800, 6.600, 8.100, 8.150

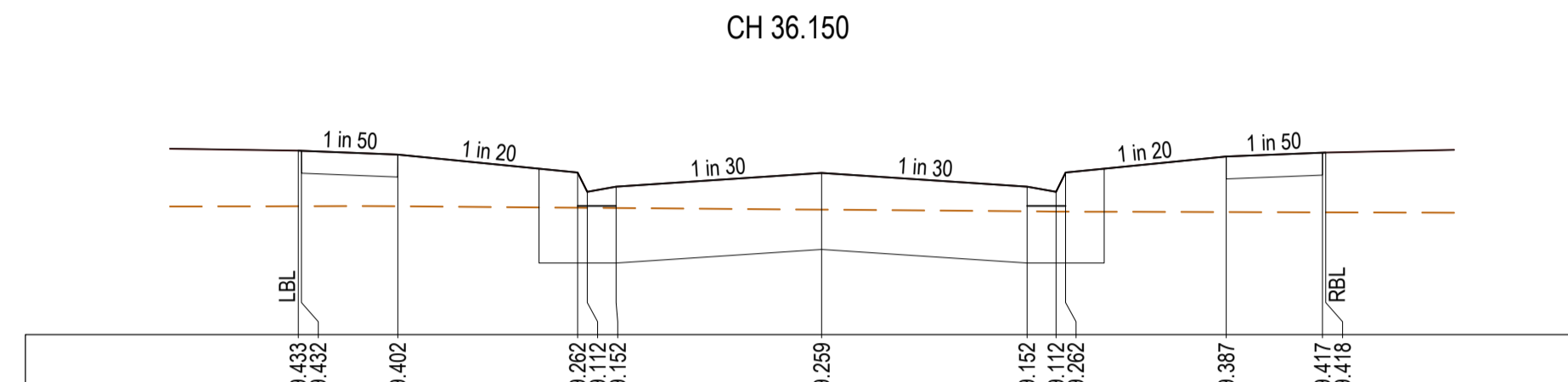


DATUM38.0	
DESIGN SURFACE	39.763, 39.762, 39.732, 39.607, 39.497, 39.604, 39.497, 39.607, 39.732, 39.777, 39.778, 39.778
EXISTING SURFACE	39.112, 39.112, 39.109, 39.104, 39.104, 39.101, 39.081, 39.076, 39.076, 39.076, 39.053, 39.747, 39.747, 39.747
OFFSET	-7.850, -7.800, -6.300, -3.800, -3.650, -3.200, 0.000, 3.200, 3.600, 3.800, 6.600, 8.100, 8.150

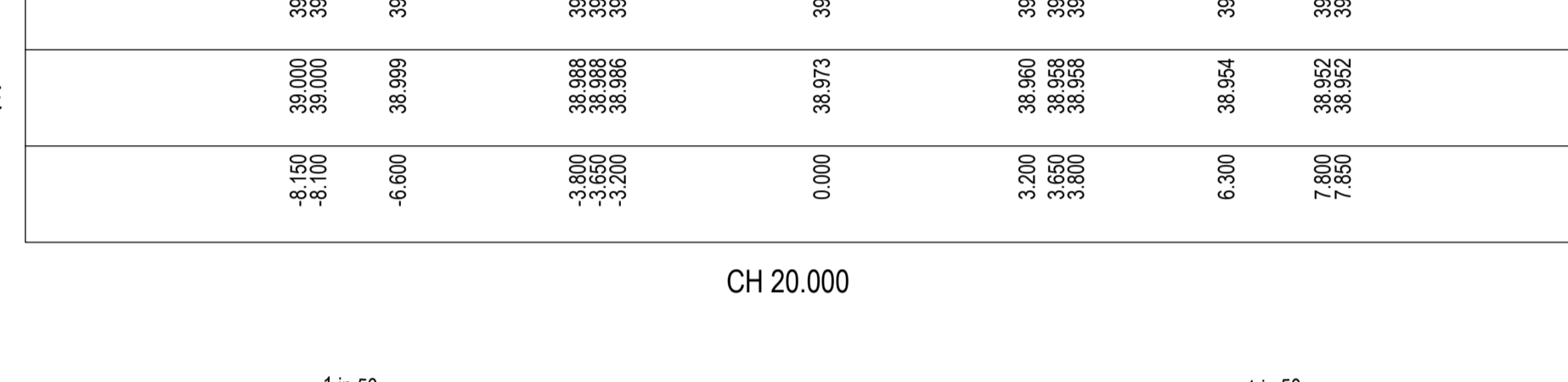
CH 650.241



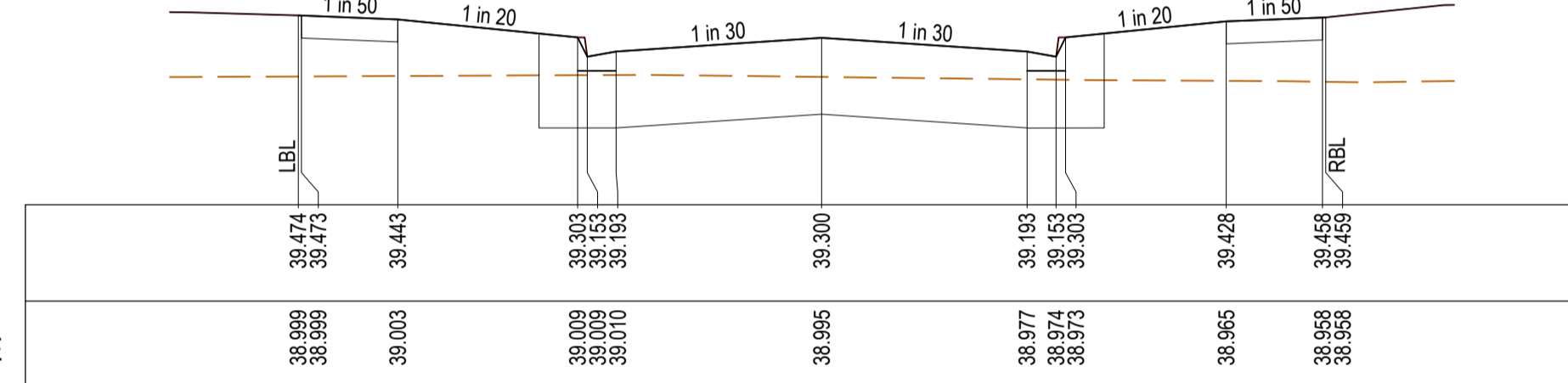
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DESIGN SURFACE	39.372, 39.352, 39.321, 39.181, 39.071, 39.178, 39.071, 39.031, 39.181, 39.306, 39.336, 39.337, 39.357
EXISTING SURFACE	38.897, 38.909, 38.909, 38.916, 38.916, 38.912, 38.899, 38.899, 38.897, 38.887, 38.881, 38.881, 38.886
OFFSET	-10.150, -8.100, -6.600, -3.600, -3.200, 0.000, 3.200, 3.650, 3.800, 6.300, 7.800, 7.850, 9.850



DATUM38.0	
DESIGN SURFACE	39.433, 39.432, 39.402, 39.262, 39.152, 39.259, 39.152, 39.112, 39.262, 39.387, 39.417, 39.418, 39.418
EXISTING SURFACE	39.000, 39.000, 39.000, 38.988, 38.988, 38.973, 38.960, 38.958, 38.958, 38.954, 38.952, 38.952, 38.952
OFFSET	-8.150, -8.100, -6.600, -3.600, -3.200, 0.000, 3.200, 3.650, 3.800, 6.300, 7.800, 7.850, 9.850

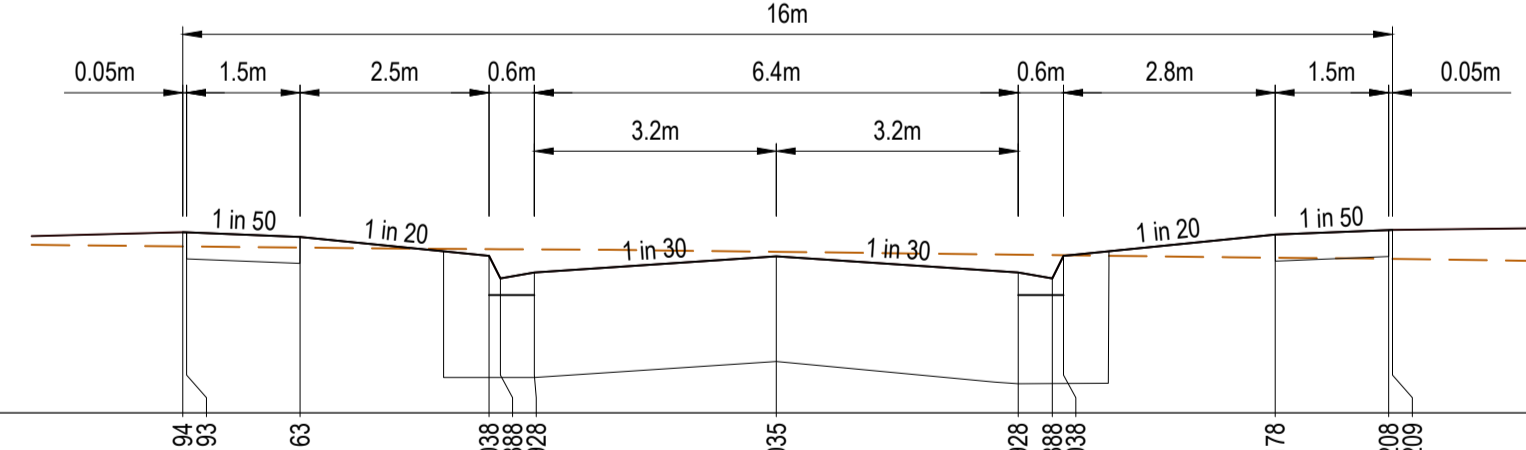


DATUM38.0	
DESIGN SURFACE	39.474, 39.473, 39.443, 39.303, 39.193, 39.300, 39.193, 39.153, 39.303, 39.428, 39.458, 39.459, 39.459
EXISTING SURFACE	38.999, 38.999, 39.003, 39.009, 39.009, 39.000, 38.974, 38.974, 38.973, 38.965, 38.958, 38.958, 38.958
OFFSET	-8.150, -8.100, -6.600, -3.600, -3.200, 0.000, 3.200, 3.650, 3.800, 6.300, 7.800, 7.850, 9.850



DATUM38.0	
DESIGN SURFACE	39.474, 39.473, 39.443, 39.303, 39.193, 39.300, 39.193, 39.153, 39.303, 39.428, 39.458, 39.459, 39.459
EXISTING SURFACE	38.999, 38.999, 39.003, 39.009, 39.009, 39.000, 38.974, 38.974, 38.973, 38.965, 38.958, 38.958, 38.958
OFFSET	-8.150, -8.100, -6.600, -3.600, -3.200, 0.000, 3.200, 3.650, 3.800, 6.300, 7.800, 7.850, 9.850

PALIA DRIVE



DATUM38.0	
DESIGN SURFACE	39.194, 39.193, 39.163, 39.023, 38.913, 39.026, 38.913, 39.026, 39.178, 39.208, 39.209, 39.209
EXISTING SURFACE	39.101, 39.100, 39.093, 39.082, 39.082, 39.065, 39.046, 39.043, 39.042, 39.026, 39.019, 39.018, 39.018
OFFSET	-7.850, -7.800, -6.300, -3.600, -3.200, 0.000, 3.200, 3.650, 3.800, 6.600, 8.100, 8.150, 9.850

LTPCH 743.265

KAVERI STREET

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 16
ROAD CROSS SECTIONS - 6

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:100 (H) 1:50 (V)

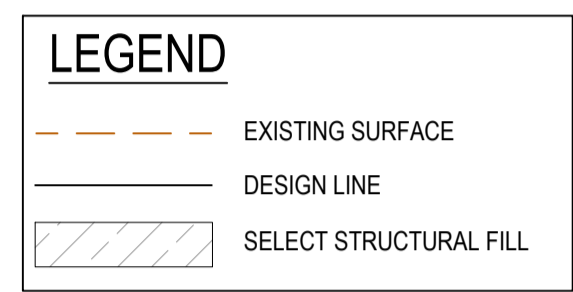
DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	R505
REVISION			0

P:\2025\20252 - ALAMORA - TOWNSET\20252 - R505 - ROAD CROSS SECTIONS.DWG

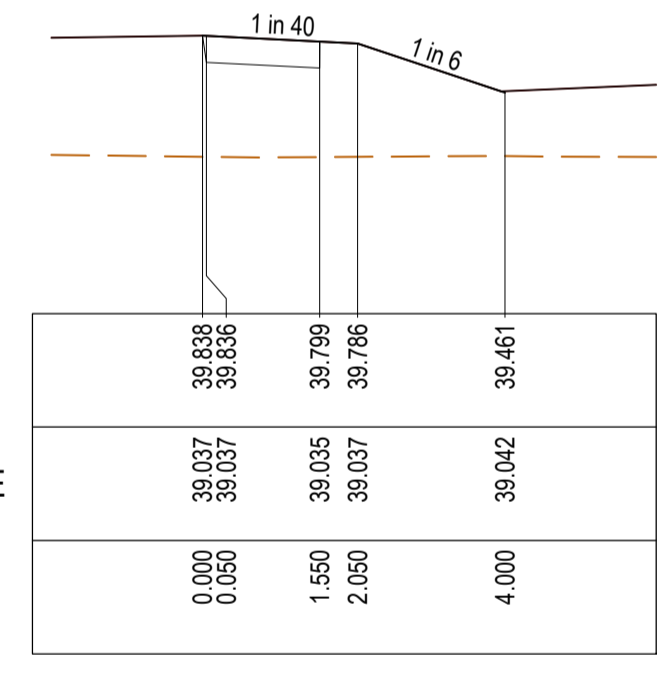
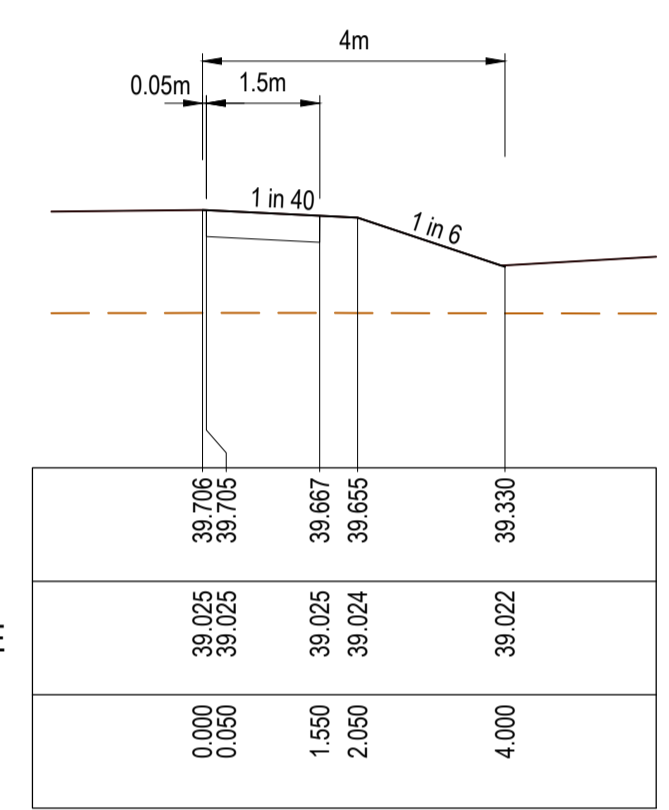
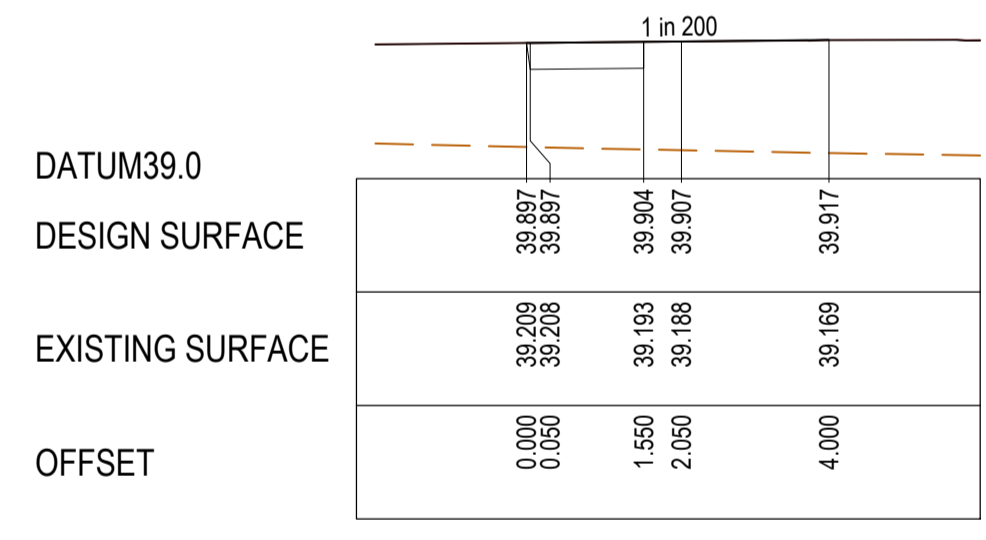
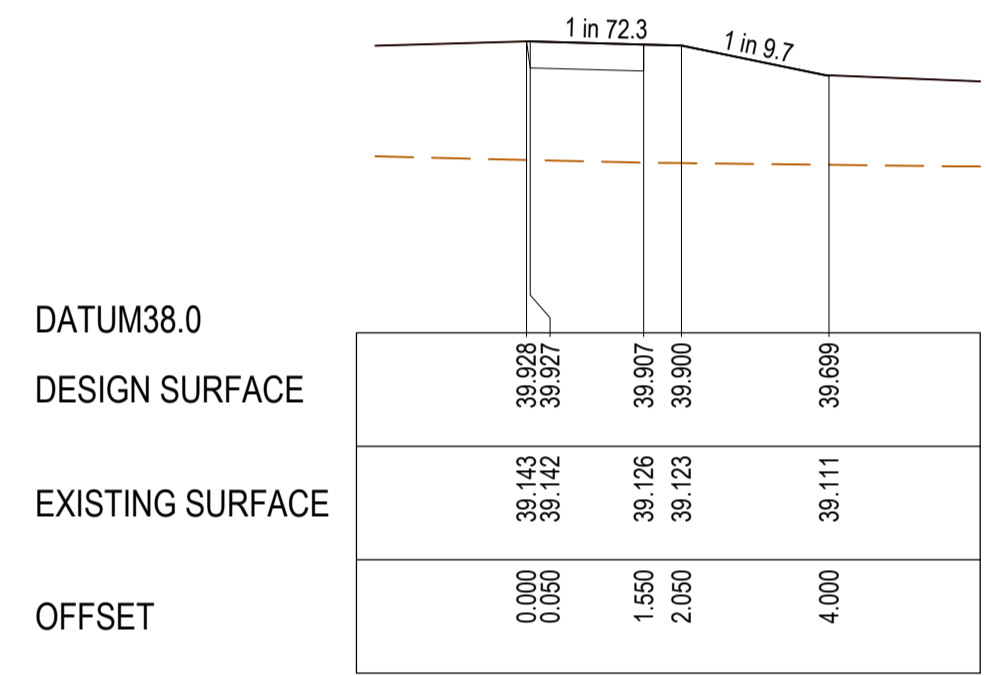
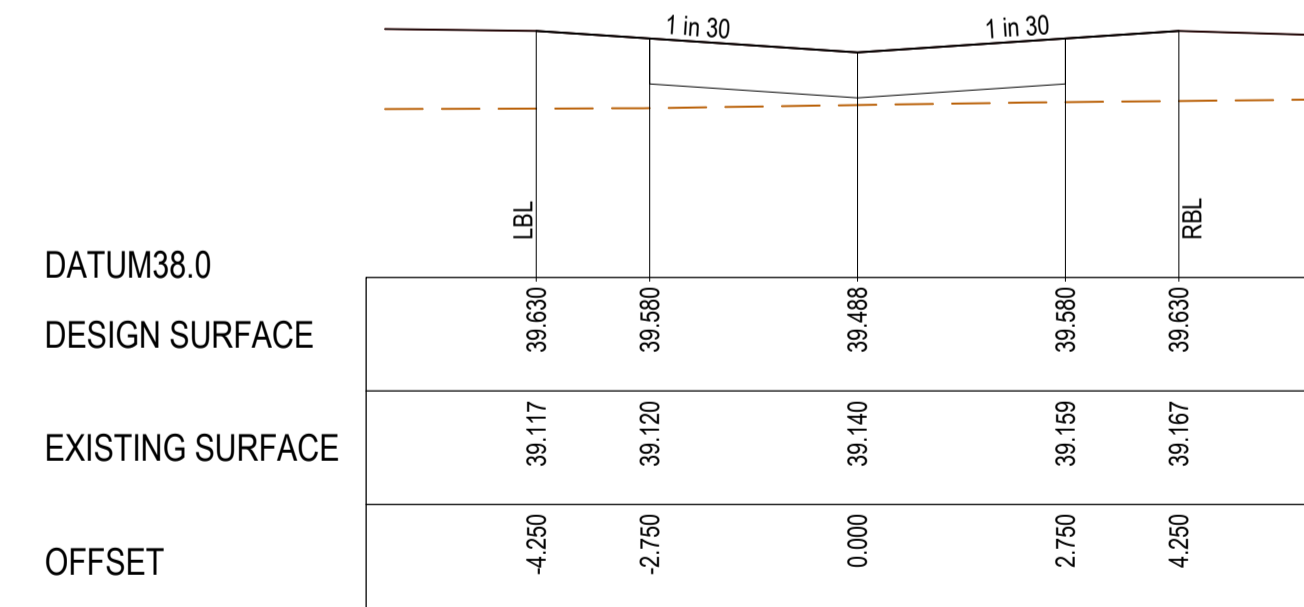
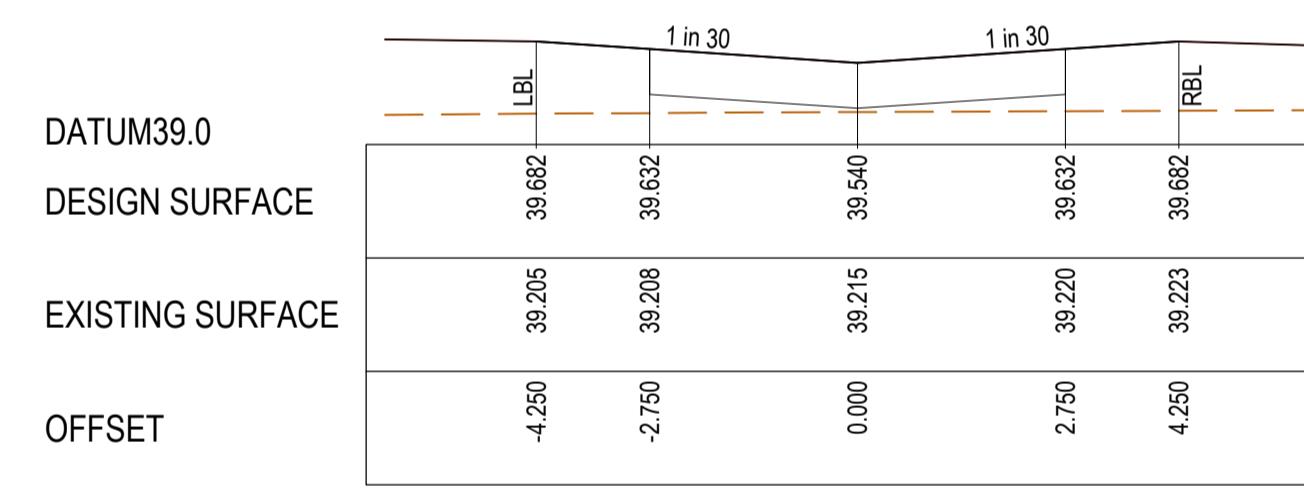
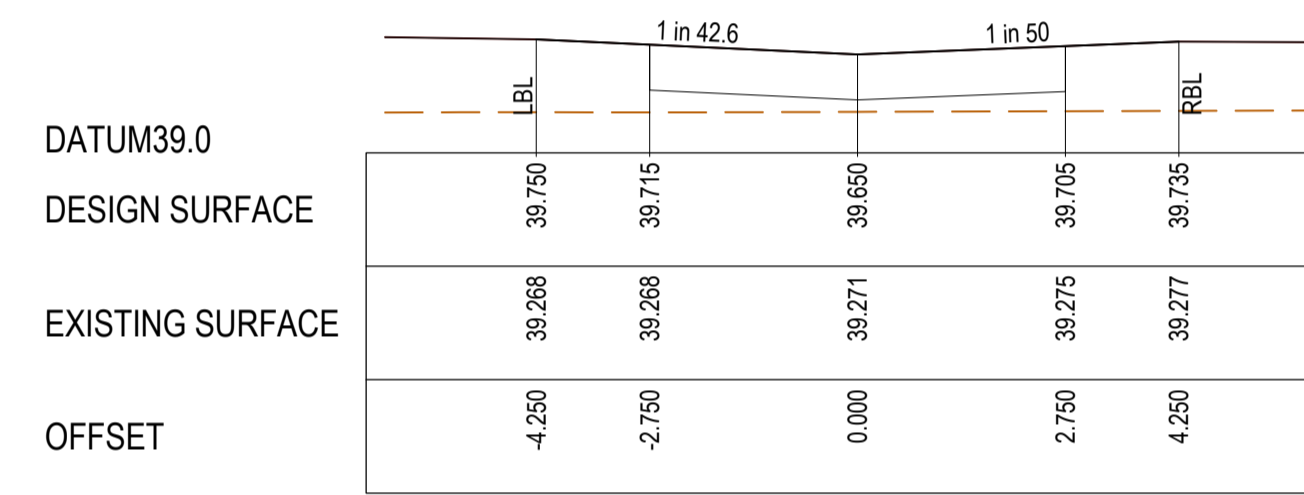
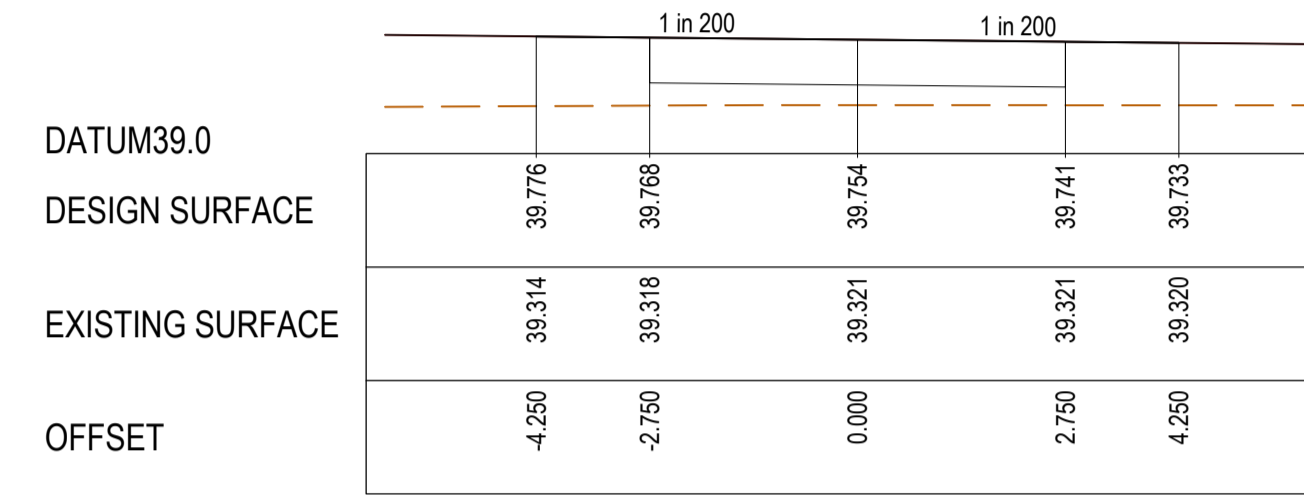
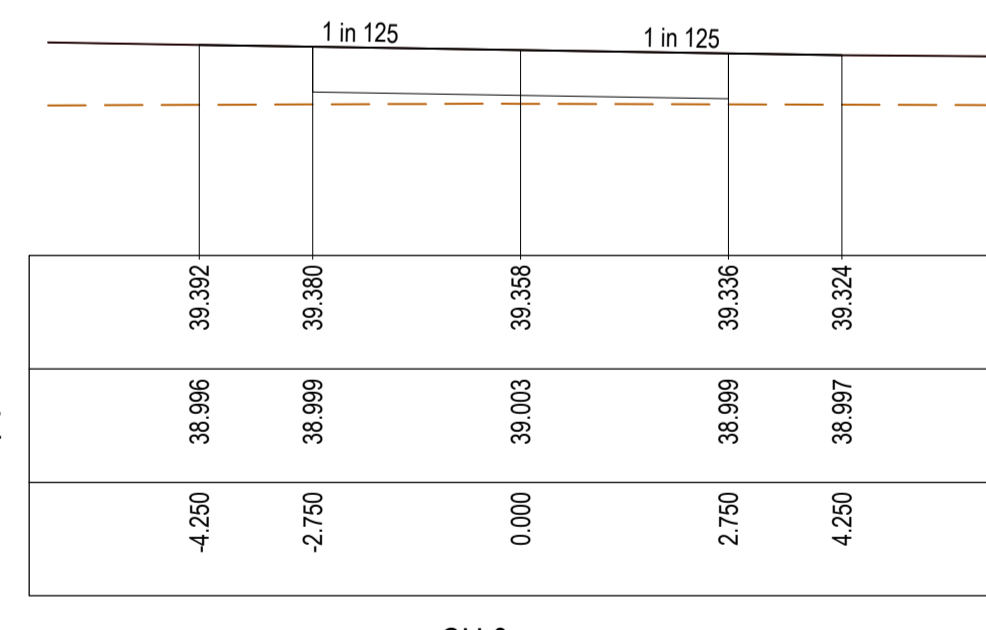
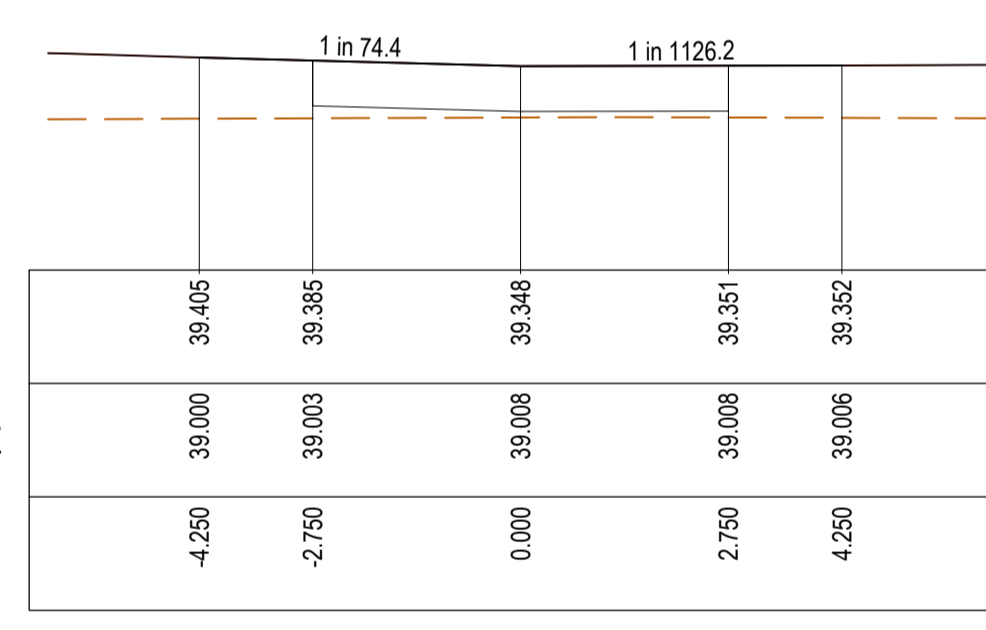
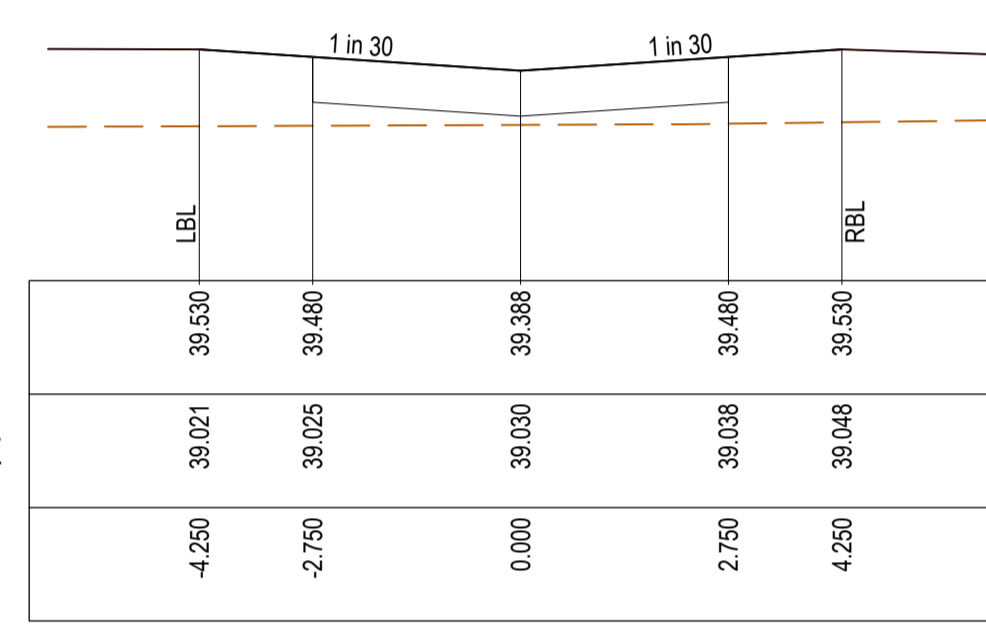
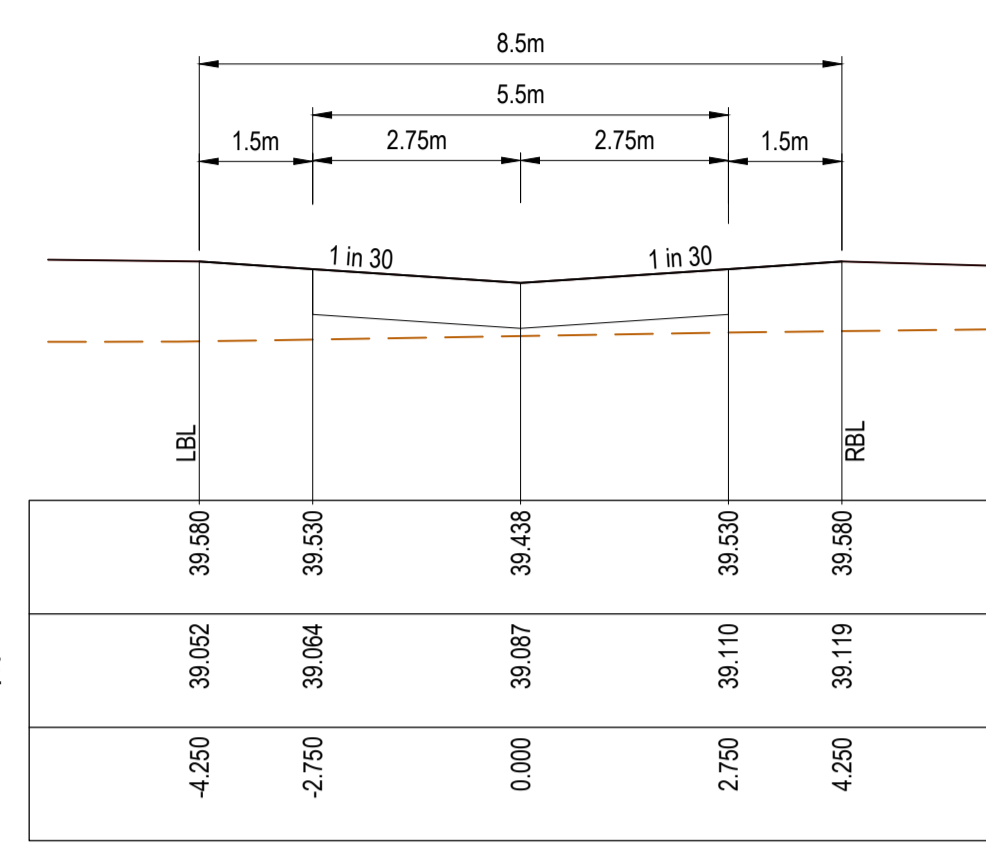
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100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

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.



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025



LOZNA LANE

BANAS WALK

<table border="1"> <tr><th>REVISION</th><th>DATE</th><th>ISSUE DESCRIPTION</th><th>DRAWN</th><th>CHECKED</th><th>APPROVED</th></tr> <tr><td>0</td><td>18/02/25</td><td>ISSUED FOR CONSTRUCTION</td><td>S.M</td><td>A.W</td><td>M.T</td></tr> <tr><td>A</td><td>10/12/24</td><td>ISSUED FOR APPROVAL</td><td>SM</td><td>AW</td><td>MT</td></tr> </table>	REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T	A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT	<p>CLIENT</p> <p>Communities Designed for Living</p>	<p>PROJECT</p>	<p>DRAWING TITLE</p> <p>ALAMORA - STAGE 16 ROAD CROSS SECTIONS - 7</p>	<p>STATUS</p> <p>ISSUED FOR CONSTRUCTION</p> <p>SCALE @ A1: 1:100 (H) 1:50 (V)</p>	<table border="1"> <tr><th>DESIGNED</th><td>S.M</td><td>PROJECT ENGINEER</td><td>M.T</td></tr> <tr><th>DRAWN</th><td>S.M</td><td>PROJECT MANAGER</td><td>M.T</td></tr> <tr><th>PROJECT No.</th><td>200282.16</td><th>DRAWING No.</th><td>R506</td></tr> <tr><th>REVISION</th><td>0</td></tr> </table>	DESIGNED	S.M	PROJECT ENGINEER	M.T	DRAWN	S.M	PROJECT MANAGER	M.T	PROJECT No.	200282.16	DRAWING No.	R506	REVISION	0
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED																																
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T																																
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT																																
DESIGNED	S.M	PROJECT ENGINEER	M.T																																		
DRAWN	S.M	PROJECT MANAGER	M.T																																		
PROJECT No.	200282.16	DRAWING No.	R506																																		
REVISION	0																																				

P:\2025\20252 - ALAMORA TARNET\20252 - RICHIE\2 - DRAFTING\CAD\ROADS & DRAINAGE\20252_16_1500 - ROAD CROSS SECTIONS.DWG

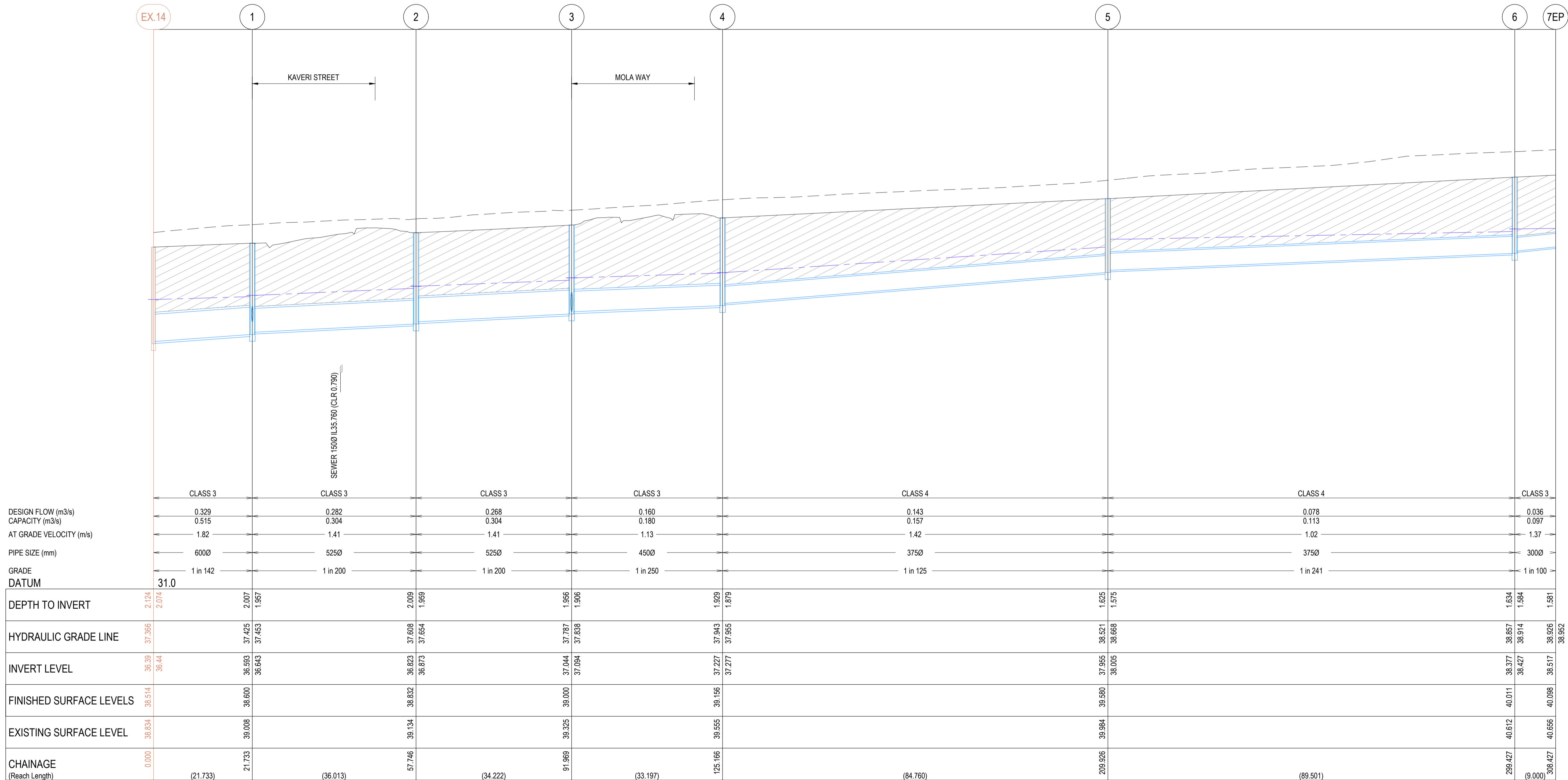
Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025

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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 www.1100.com.au

LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CRUSHED ROCK BACKFILL
	PROPOSED SEWER MAIN
	EXISTING DRAINAGE PIPE/PIT



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	15/01/25	COUNCIL COMMENTS	A.W	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 16
DRAINAGE LONG SECTIONS - 1

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	R600
REVISION			0

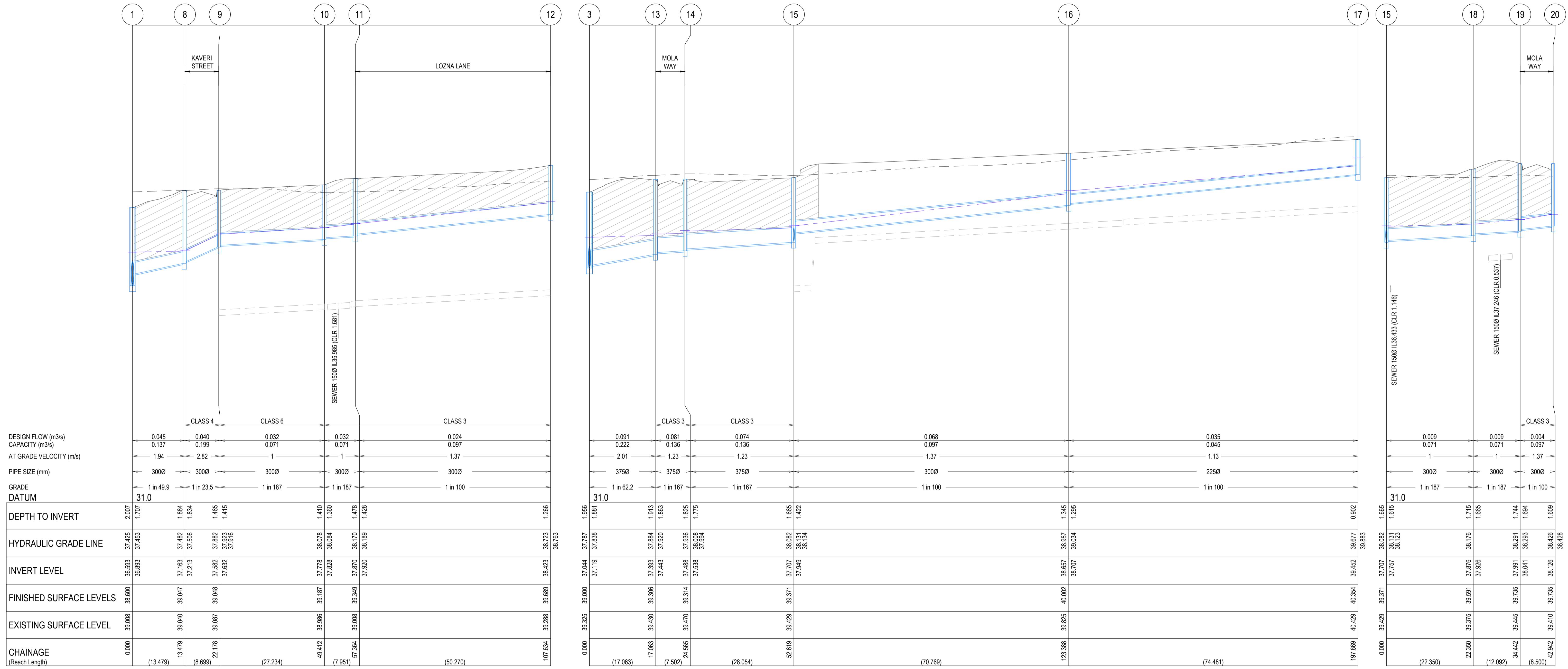
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WARNING
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DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

LEGEND

	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	HYDRUALIC GRADE LINE
	CRUSHED ROCK BACKFILL
	PROPOSED SEWER MAIN
	EXISTING DRAINAGE PIPE/PIT

Planning and Environment Act 1987
Wyndham Planning Scheme
 Approved Plan As Required
 under Condition 40
 Permit No WYP10817/18
 Date 03/03/2025



P:\2020\2022- ALAMORA_TOWNSET\2022-21-1600- DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	15/01/25	COUNCIL COMMENTS	A.W	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

villawood properties
 Communities Designed for Living

PROJECT

creo CIVIL

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

DRAWING TITLE

ALAMORA - STAGE 16
DRAINAGE LONG SECTIONS - 2

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED

S.M

PROJECT ENGINEER

M.T

DRAWN

S.M

PROJECT MANAGER

M.T

PROJECT No.
200282.16

DRAWING No.
R601

REVISION
0

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

LEGEND

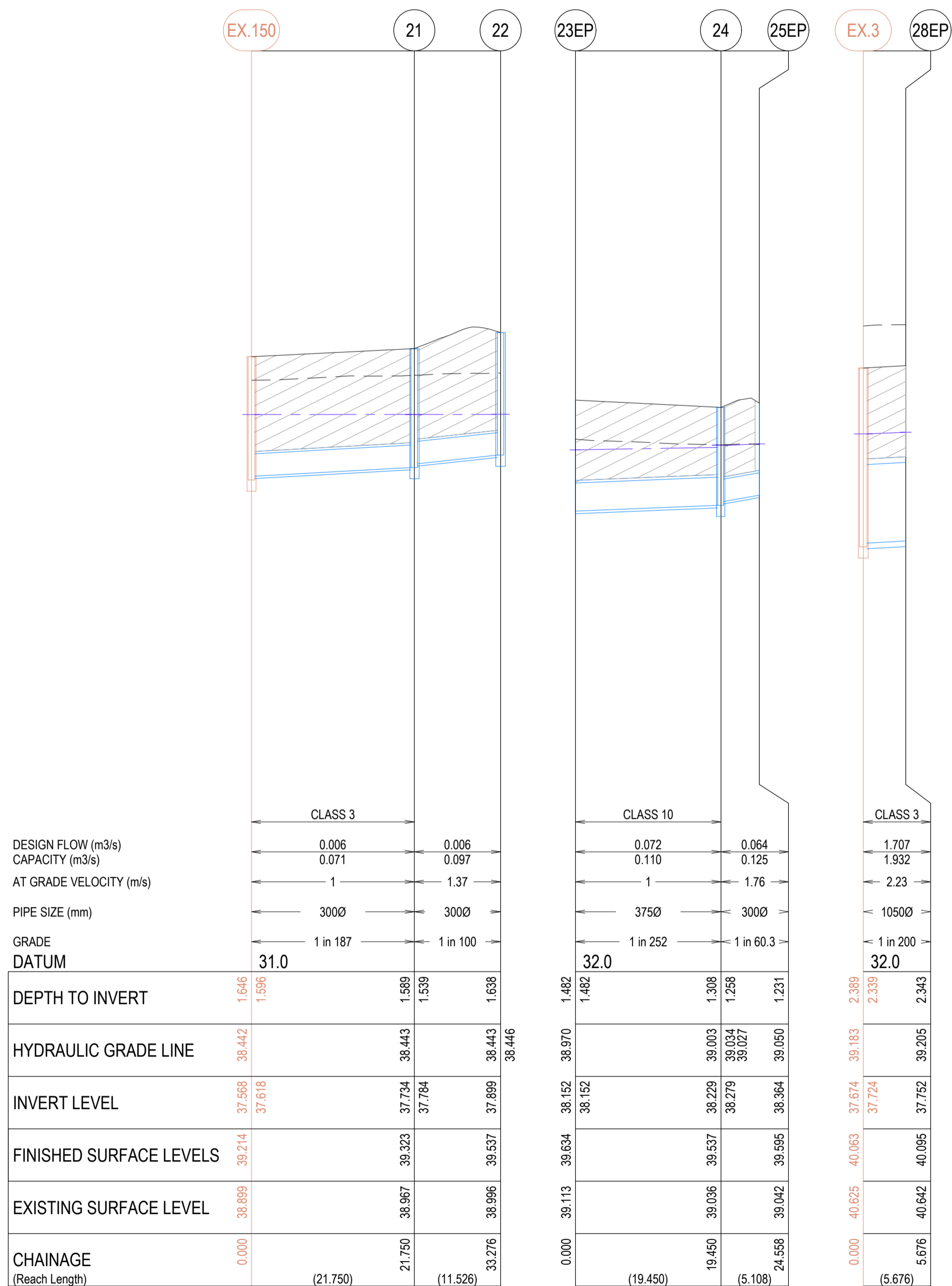
- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL
- PROPOSED SEWER MAIN
- EXISTING DRAINAGE PIPE/PIT

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025

PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH(m)	STANDARD DRAWING	REMARKS
		WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER(mm)	INVERT R.L.(m)				
Ex.14	Ex.PIT			600	36.44			38.514	2.124		CONNECT TO EXISTING PIT
1	SIDE ENTRY PIT GRATED	900	900	525	36.643	600	36.593	38.600	2.007	EDCM601 & 607	HAUNCHED TO 600x900 COVER
				300	36.893						
2	SIDE ENTRY PIT GRATED	900	900	525	36.873	525	36.823	38.832	2.009	EDCM601 & 607	HAUNCHED TO 600x900 COVER
3	JUNCTION PIT	900	900	450	37.094	525	37.044	39.000	1.956	EDCM607	HAUNCHED TO 600x900 COVER
				375	37.119						
4	SIDE ENTRY PIT GRATED	600	900	375	37.277	450	37.227	39.156	1.929	EDCM 601 & 605	
5	SIDE ENTRY PIT GRATED	600	900	375	38.005	375	37.955	39.580	1.625	EDCM 601 & 605	
6	SIDE ENTRY PIT GRATED	600	900	300	38.427	375	38.377	40.011	1.634	EDCM 601 & 605	
7EP	ENDPIPE					300	38.517	40.098	1.581		ENDPIPE TO BE SEALED AND CAPPED FOR FUTURE CONNECTIONS
8	SIDE ENTRY PIT GRATED	600	900	300	37.213	300	37.163	39.047	1.884	EDCM 601 & 605	
9	SIDE ENTRY PIT GRATED	600	900	300	37.632	300	37.582	39.048	1.465	EDCM 601 & 605	CLASS D ACCESS COVER
10	SIDE ENTRY PIT GRATED	600	900	300	37.828	300	37.778	39.187	1.410	EDCM 601 & 605	
11	GRATED PIT	600	900	300	37.920	300	37.870	39.349	1.478	EDCM605 WITH GRATE	CLASS D, BIKE SAFE INVERTED GRATED COVER
12	JUNCTION PIT	600	900			300	38.423	39.689	1.266	EDCM605	CLASS D ACCESS COVER
13	SIDE ENTRY PIT GRATED	600	900	375	37.443	375	37.393	39.306	1.913	EDCM 601 & 605	
14	SIDE ENTRY PIT GRATED	600	900	375	37.538	375	37.488	39.314	1.825	EDCM 601 & 605	
15	JUNCTION PIT	600	900	300	37.949	375	37.707	39.371	1.665	EDCM605	CLASS D ACCESS COVER
				300	37.757						
16	JUNCTION PIT	600	900	225	38.707	300	38.657	40.002	1.345	EDCM605	
17	JUNCTION PIT	600	900			225	39.452	40.354	0.902	EDCM605	
18	JUNCTION PIT	600	900	300	37.926	300	37.876	39.591	1.715	EDCM605	
19	SIDE ENTRY PIT GRATED	600	900	300	38.041	300	37.991	39.735	1.744	EDCM 601 & 605	
20	SIDE ENTRY PIT GRATED	600	900			300	38.126	39.735	1.609	EDCM 601 & 605	
Ex.150	Ex.PIT			300	37.618			39.214	1.646		CONNECT TO EXISTING PIT
21	JUNCTION PIT	600	900	300	37.784	300	37.734	39.323	1.589	EDCM605	
22	SIDE ENTRY PIT GRATED	600	900			300	37.899	39.537	1.638	EDCM 601 & 605	
23EP	ENDPIPE					375	38.152	39.634	1.482		ENDPIPE TO BE SEALED AND CAPPED FOR FUTURE CONNECTIONS
24	JUNCTION PIT	600	900	300	38.279	375	38.229	39.537	1.308	EDCM605	
25EP	ENDPIPE							38.364	1.231		ENDPIPE TO BE SEALED AND CAPPED FOR FUTURE CONNECTIONS
Ex.27	Ex.PIT			1050	37.724			40.063	2.389		CONNECT TO EXISTING PIT
28EP	ENDPIPE							37.752	2.343		ENDPIPE TO BE SEALED AND CAPPED FOR FUTURE CONNECTIONS
Ex.1	Ex.JUNCTION PIT	1350	900	1050	36.876	1050	36.876	39.261	2.385	EDCM 607	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT
Ex.2	Ex.JUNCTION PIT	1350	900	1050	37.240	1050	37.240	39.629	2.389	EDCM 607	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT
Ex.3	Ex.JUNCTION PIT	1350	900	375	38.349	1050	37.674	40.063	2.389	EDCM 607	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT
Ex.48	Ex.JUNCTION PIT	1500	900	1200	36.512	1200	36.462	38.871	2.409	EDCM 607	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT
Ex.49	Ex.JUNCTION PIT	1500	900	375	37.444	1200	36.619	39.078	2.459	EDCM 607	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT
Ex.50	Ex.JUNCTION PIT	600	900	375	37.674	375	37.624	39.410	1.786	EDCM 605	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT
Ex.51	Ex.JUNCTION PIT	600	900	375	37.767	375	37.717	39.410	1.693	EDCM 605	CONVERT EXISTING JUNCTION PIT TO GRATED SIDE ENTRY PIT

- ** - 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.



P:\2020\2025\ALAMORA - STAGE 16\DRAINAGE LONG SECTIONS - 3 - R602 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
C	12/02/25	COUNCIL COMMENTS	S.M	A.W	M.T
B	15/01/25	COUNCIL COMMENTS	A.W	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	S.M	A.W	M.T

Communities Designed for Living

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

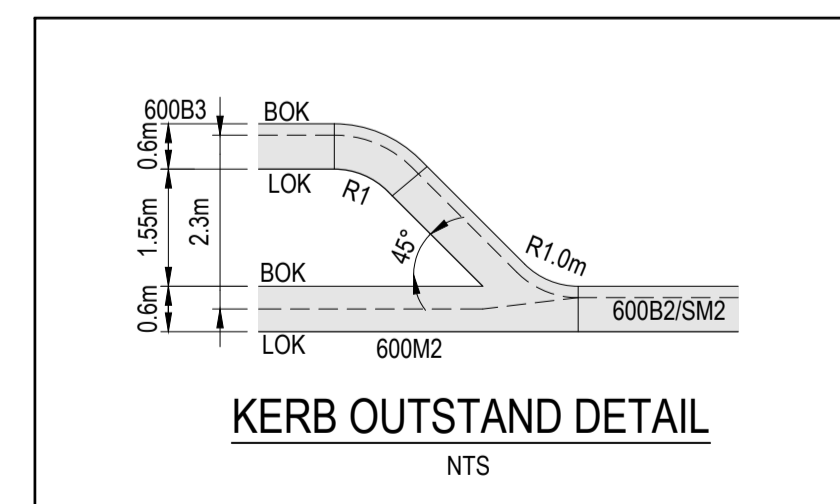
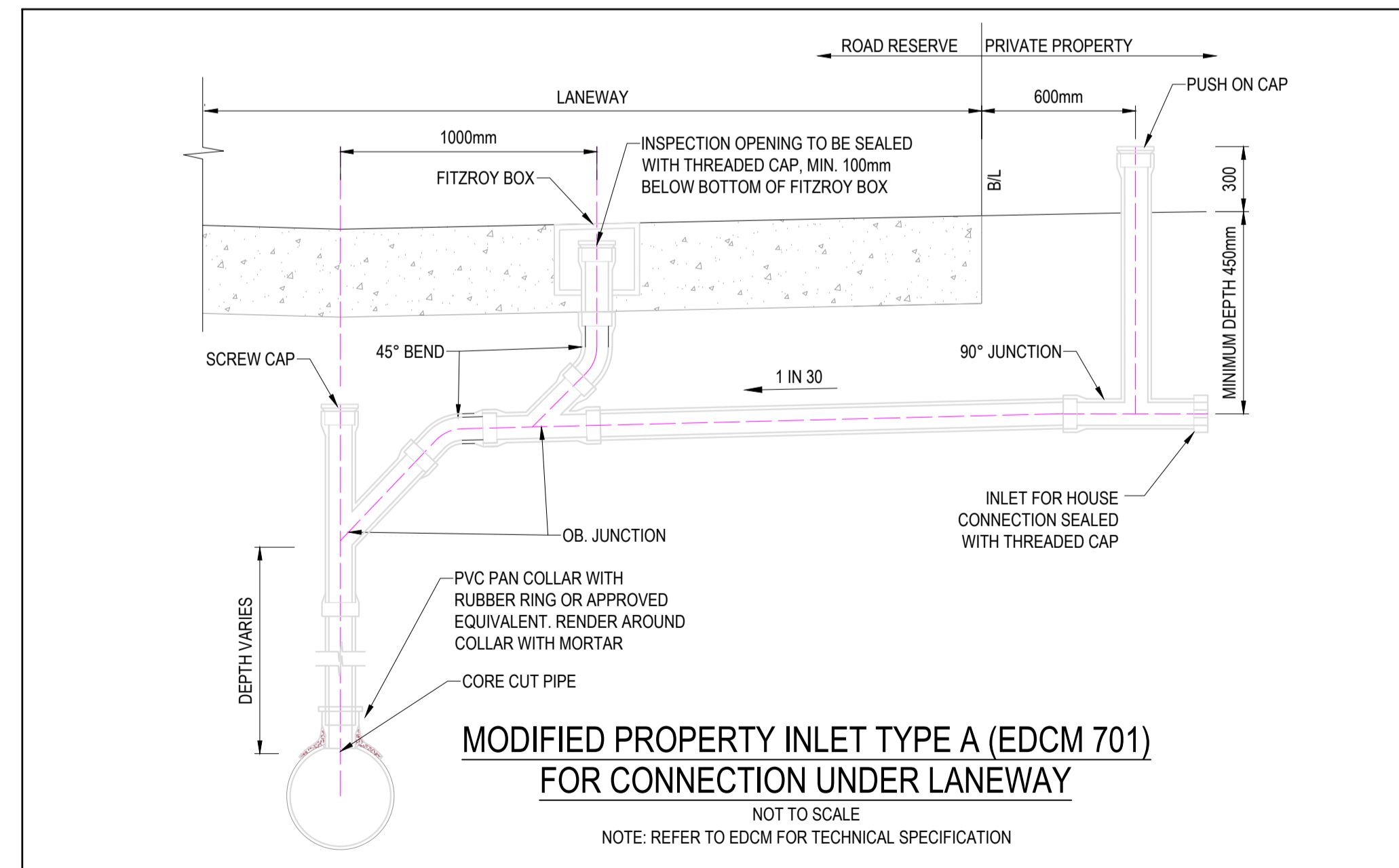
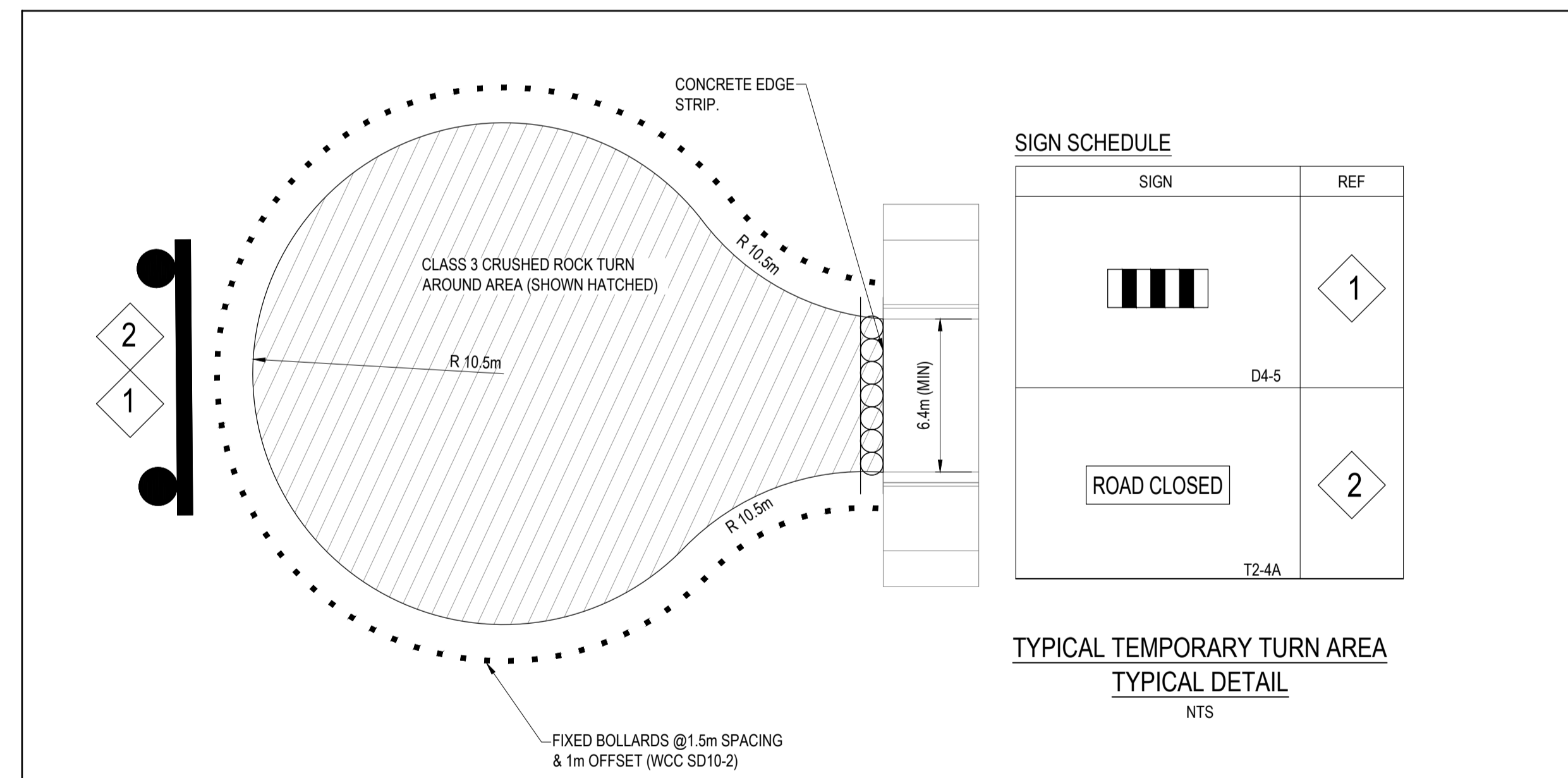
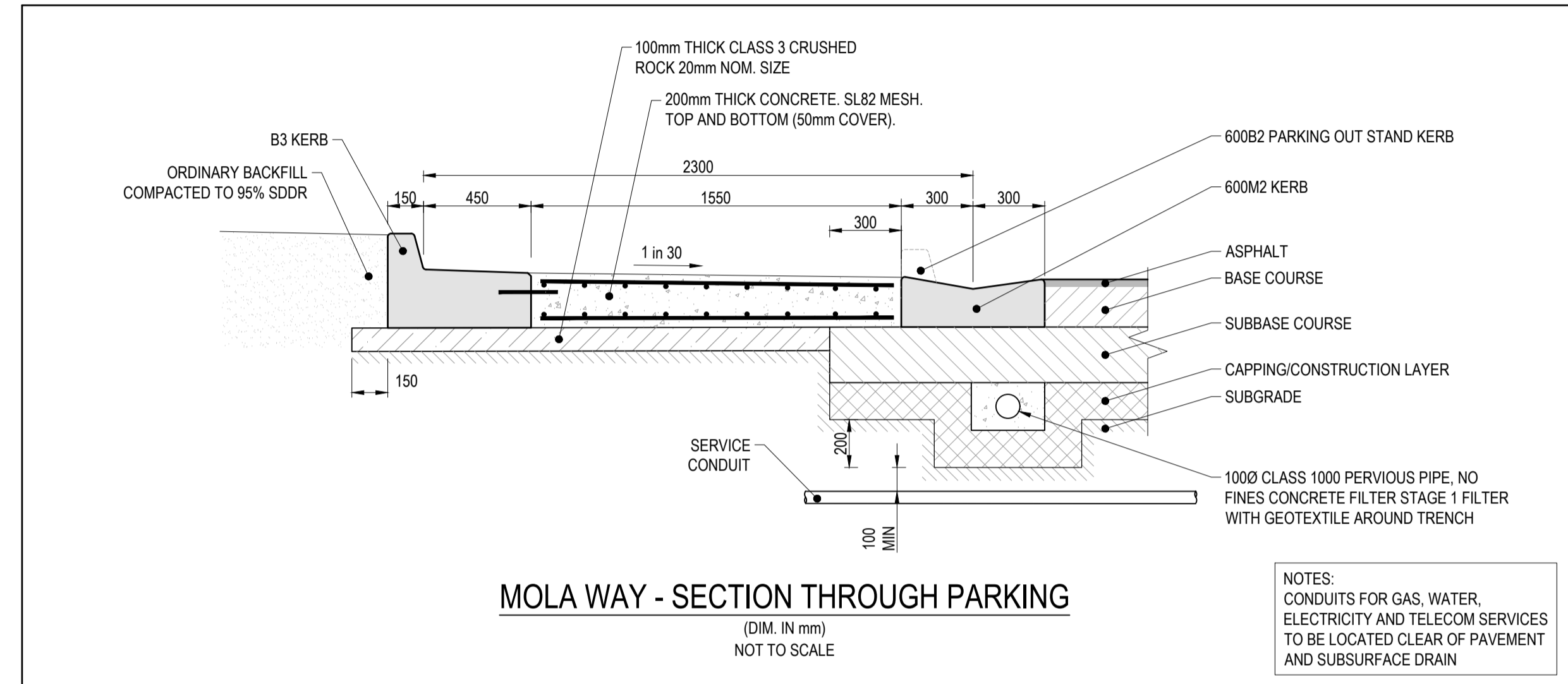
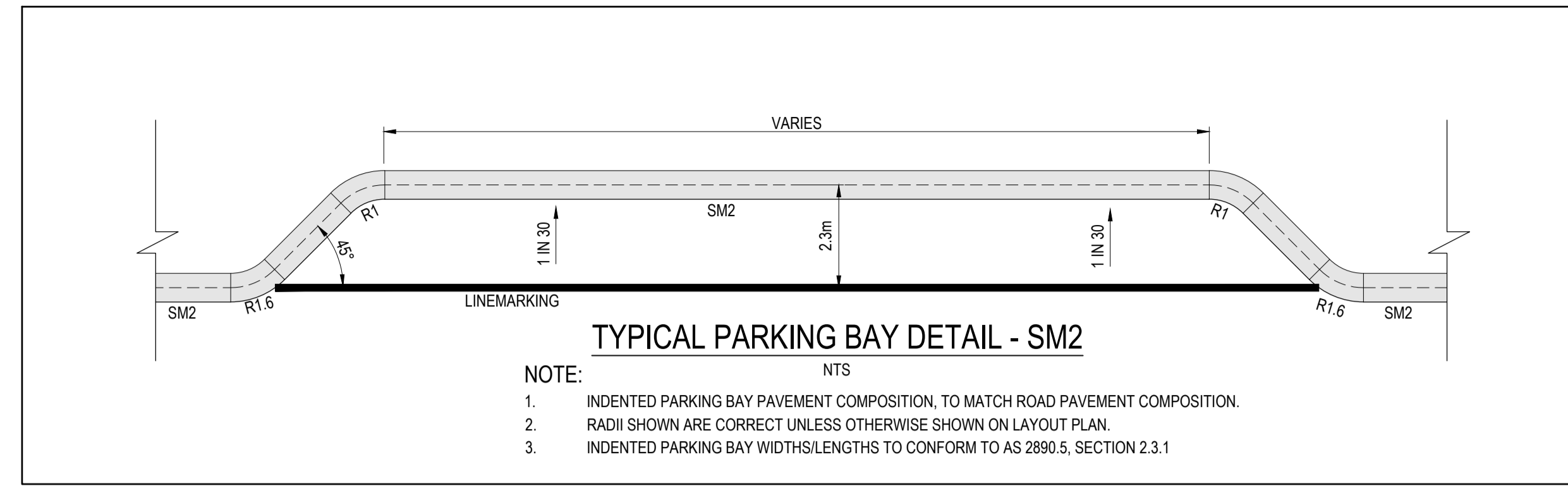
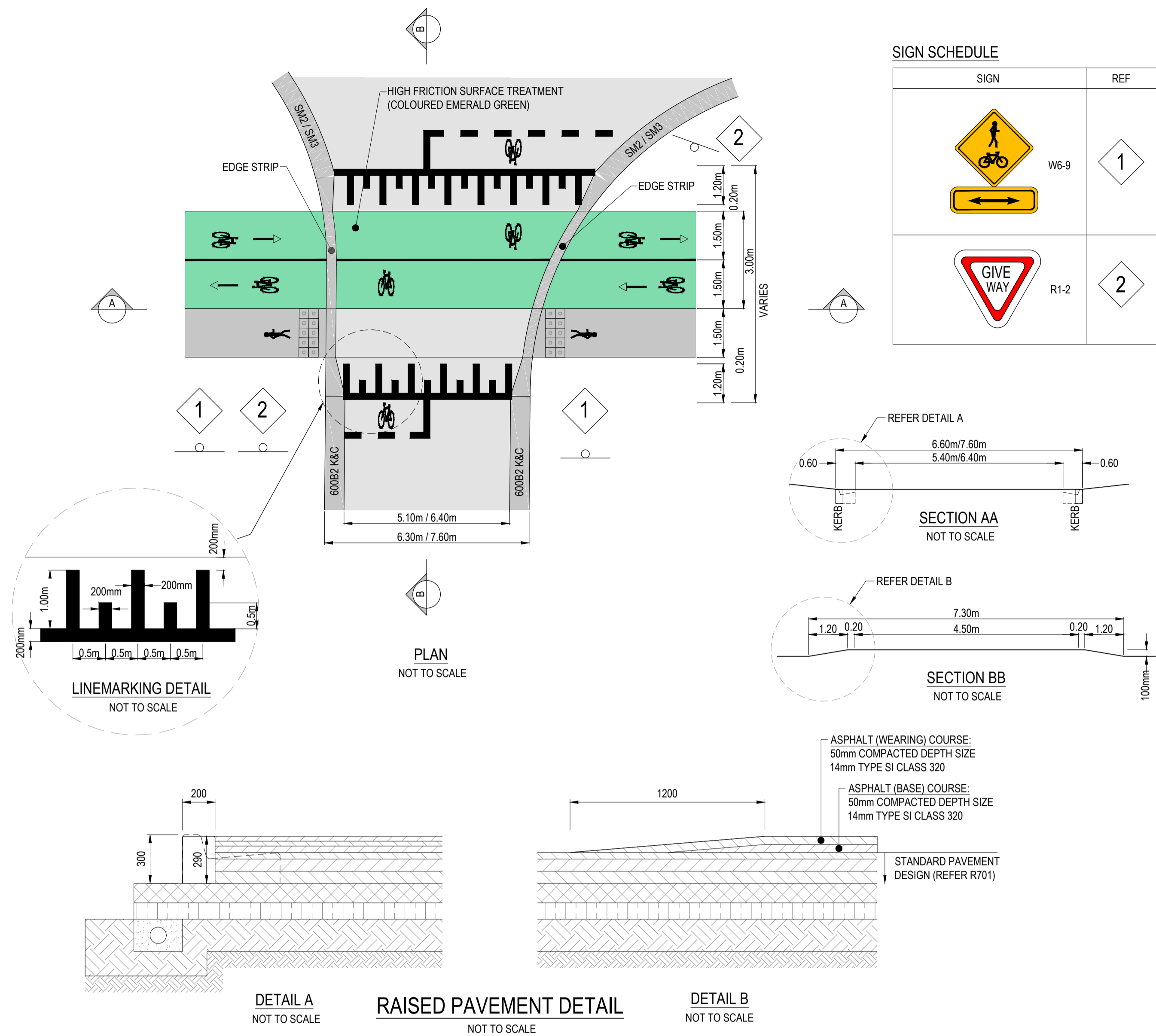
ALAMORA
Tarnet

ALAMORA - STAGE 16
DRAINAGE LONG SECTIONS - 3 & PIT SCHEDULE

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16		DRAWING No.
R602		REVISION	0



Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
C	12/02/25	COUNCIL COMMENTS	S.M	A.W	M.T
B	15/01/25	COUNCIL COMMENTS	A.W	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

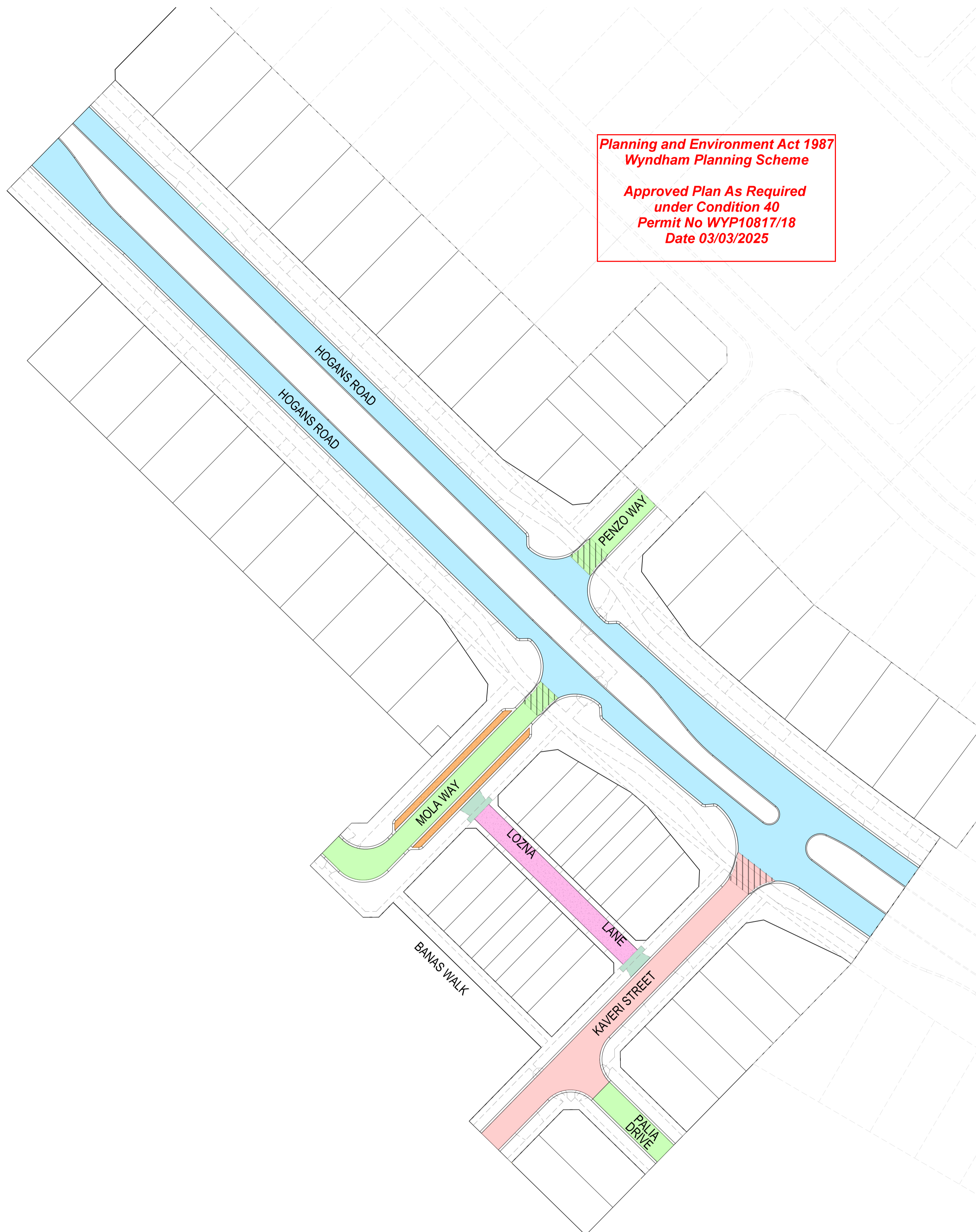


DRAWING TITLE
ALAMORA - STAGE 16
TYPICAL DETAILS

ISSUED FOR CONSTRUCTION

SCALE @ A1:
AS SHOWN

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R700	0



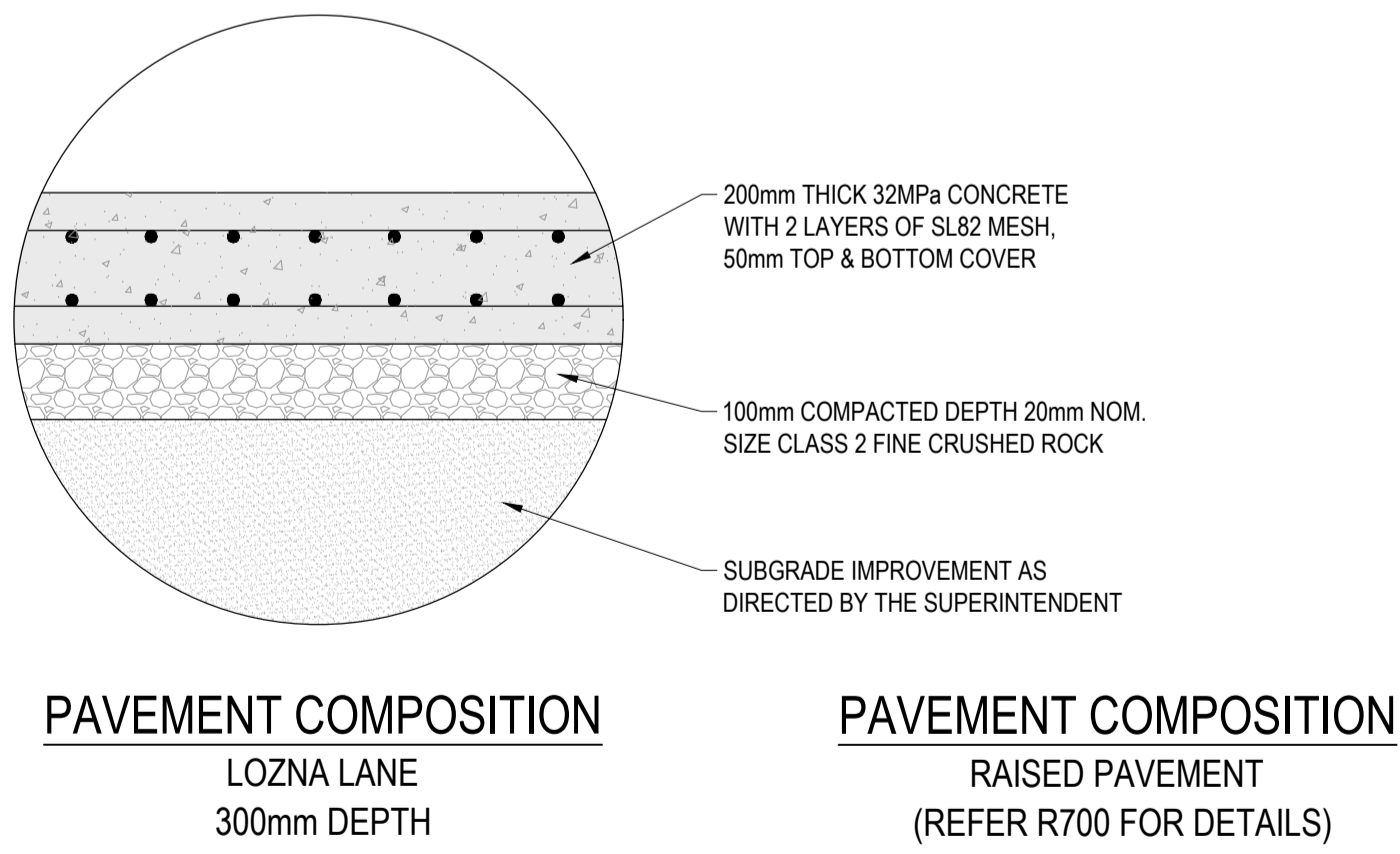
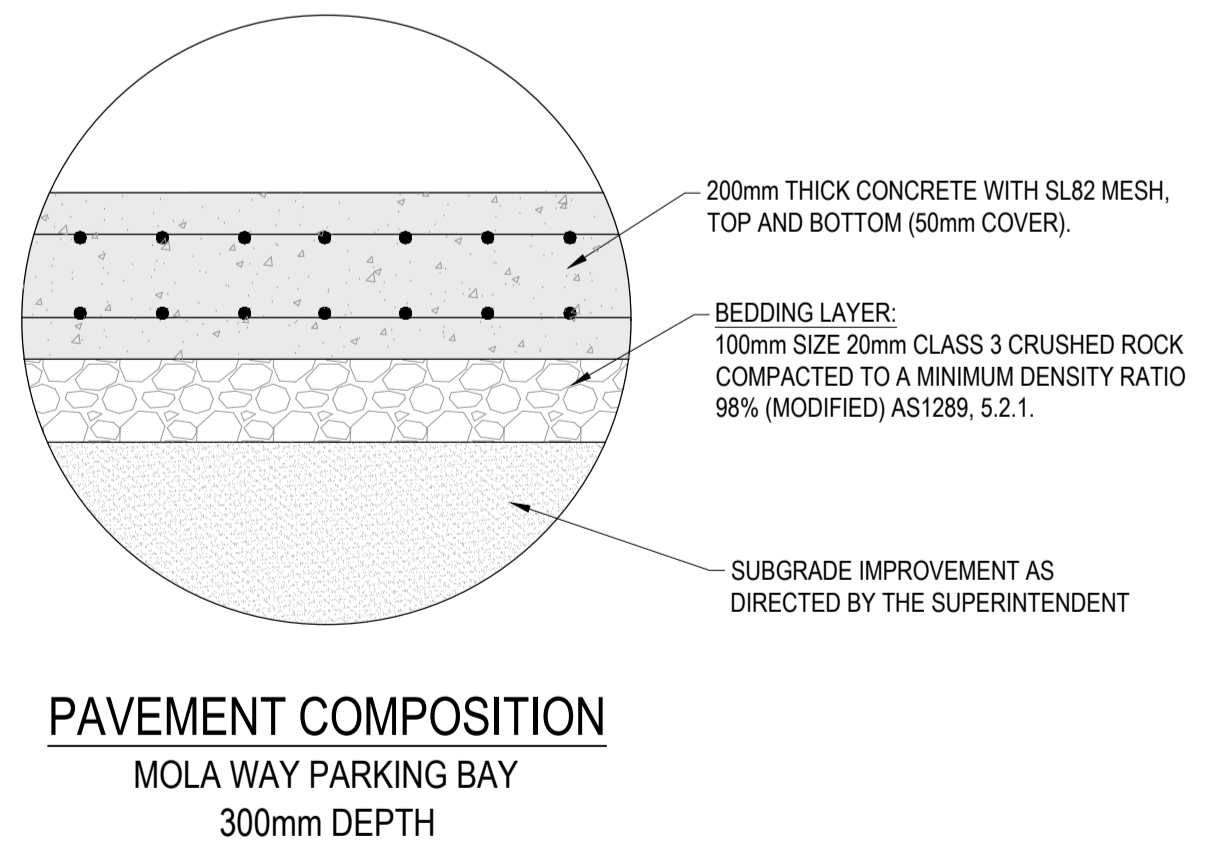
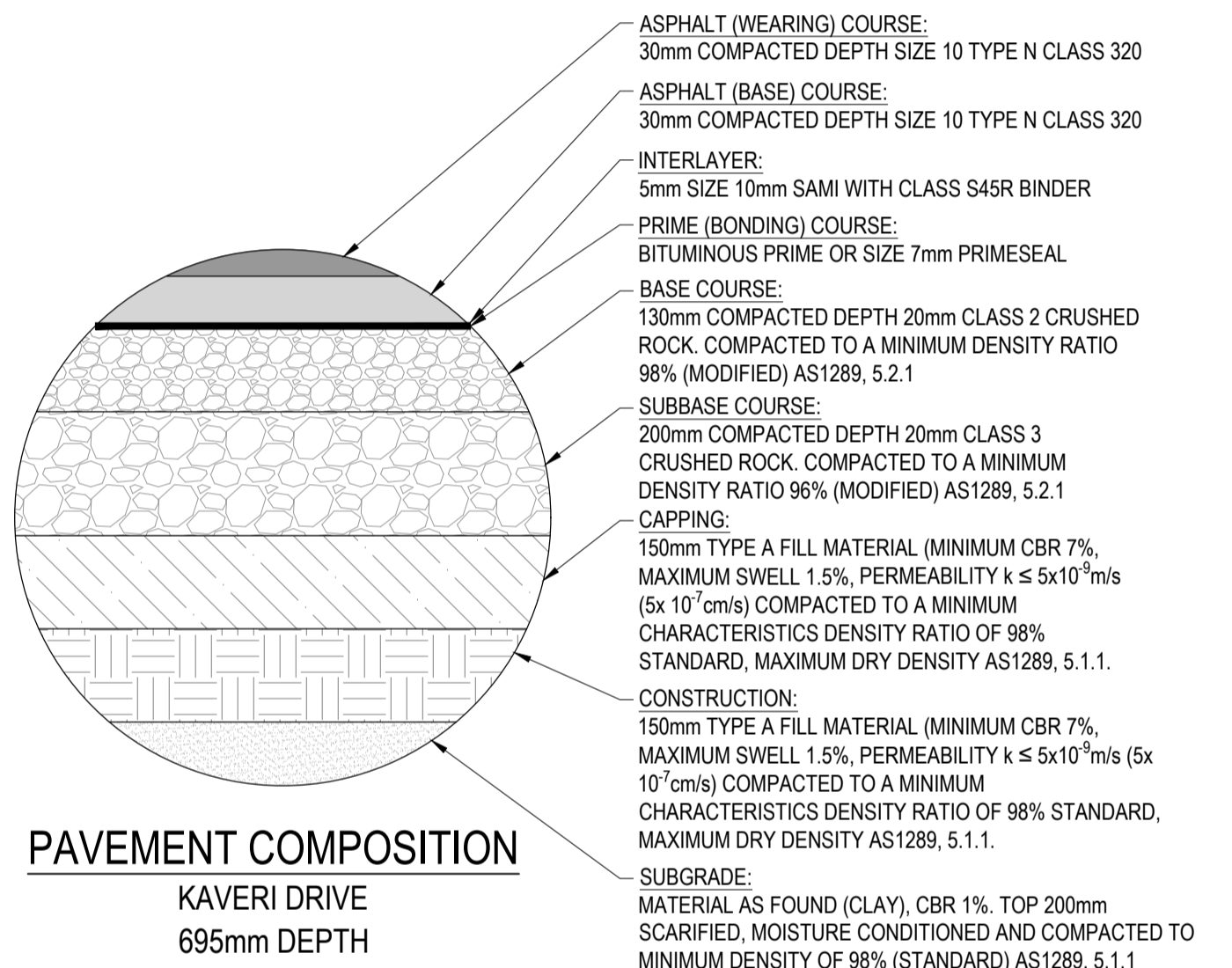
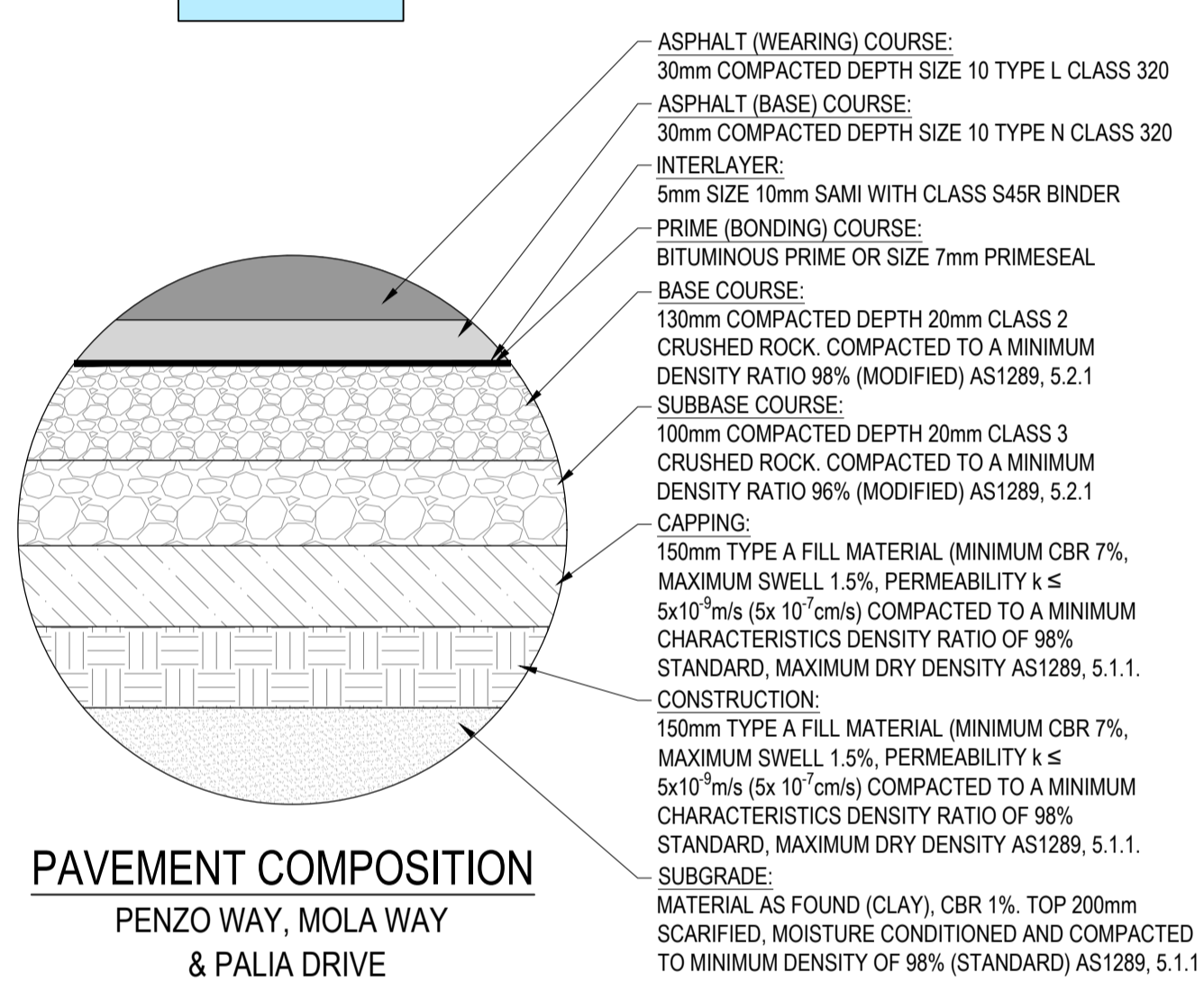
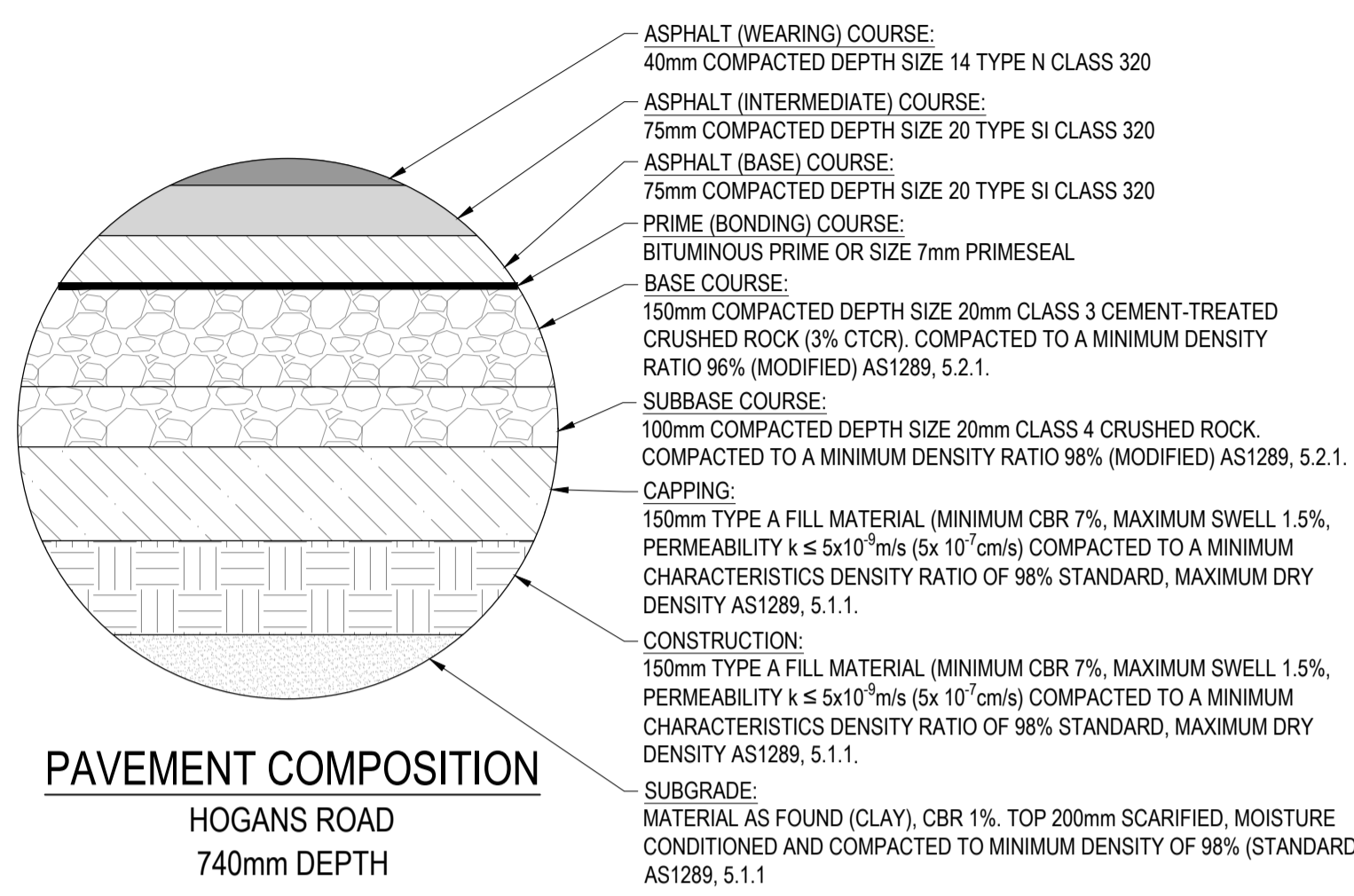
**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025**

NOTE
PAVEMENT LAYERS ARE TO BE CONSTRUCTED AND COMPACTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS AND REQUIREMENTS.

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.

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 PLAN

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
B	13/12/24	DRIVEWAYS REVISED	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

**ALAMORA - STAGE 16
ROAD PAVEMENT PLAN**

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1/750

DESIGNED: S.M

DRAWN: S.M

PROJECT ENGINEER: M.T

PROJECT MANAGER: M.T

PROJECT No: **200282.16**

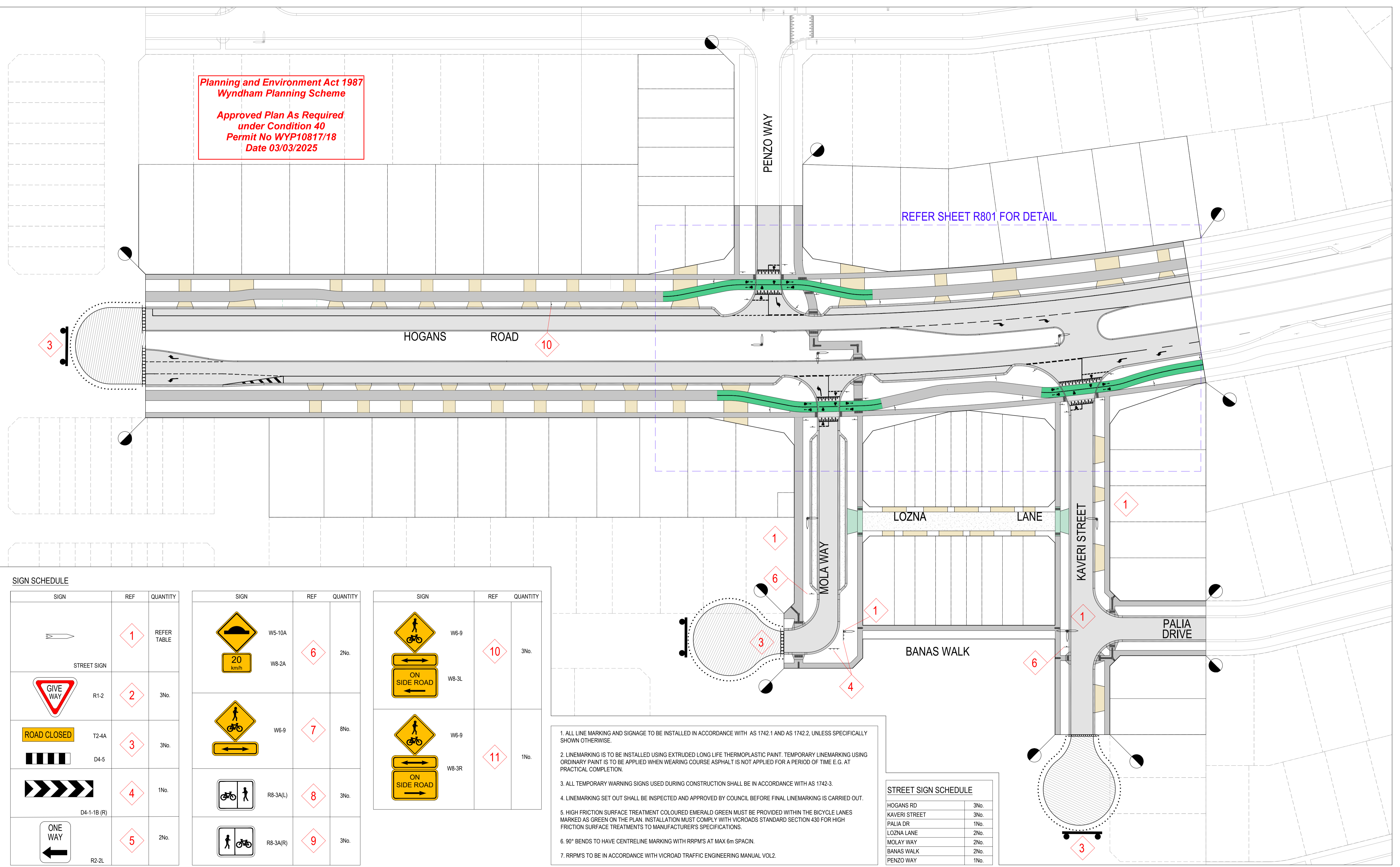
DRAWING No: **R701**

REVISION: **0**

**Planning and Environment Act 1987
Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025**

REFER SHEET R801 FOR DETAIL



SIGN SCHEDULE

SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN		
	R1-2	3No.
	T2-4A	3No.
	D4-5	3No.
	D4-1-1B (R)	1No.
	R2-2L	2No.

SIGN	REF	QUANTITY
	W5-10A	
	W8-2A	2No.
	W6-9	7
	W6-9	8No.
	R8-3A(L)	3No.
	R8-3A(R)	3No.

SIGN	REF	QUANTITY
	W6-9	3No.
	W8-3L	3No.
	W6-9	
	W8-3R	1No.

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.

STREET SIGN SCHEDULE

HOGANS RD	3No.
KAVERI STREET	3No.
PALIA DR	1No.
LOZNA LANE	2No.
MOLA WAY	2No.
BANAS WALK	2No.
PENZO WAY	1No.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
C	15/01/25	COUNCIL COMMENTS	A.W	A.W	M.T
B	13/12/24	DRIVEWAYS REVISED	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

villawood properties
Communities Designed for Living

creo CIVIL

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

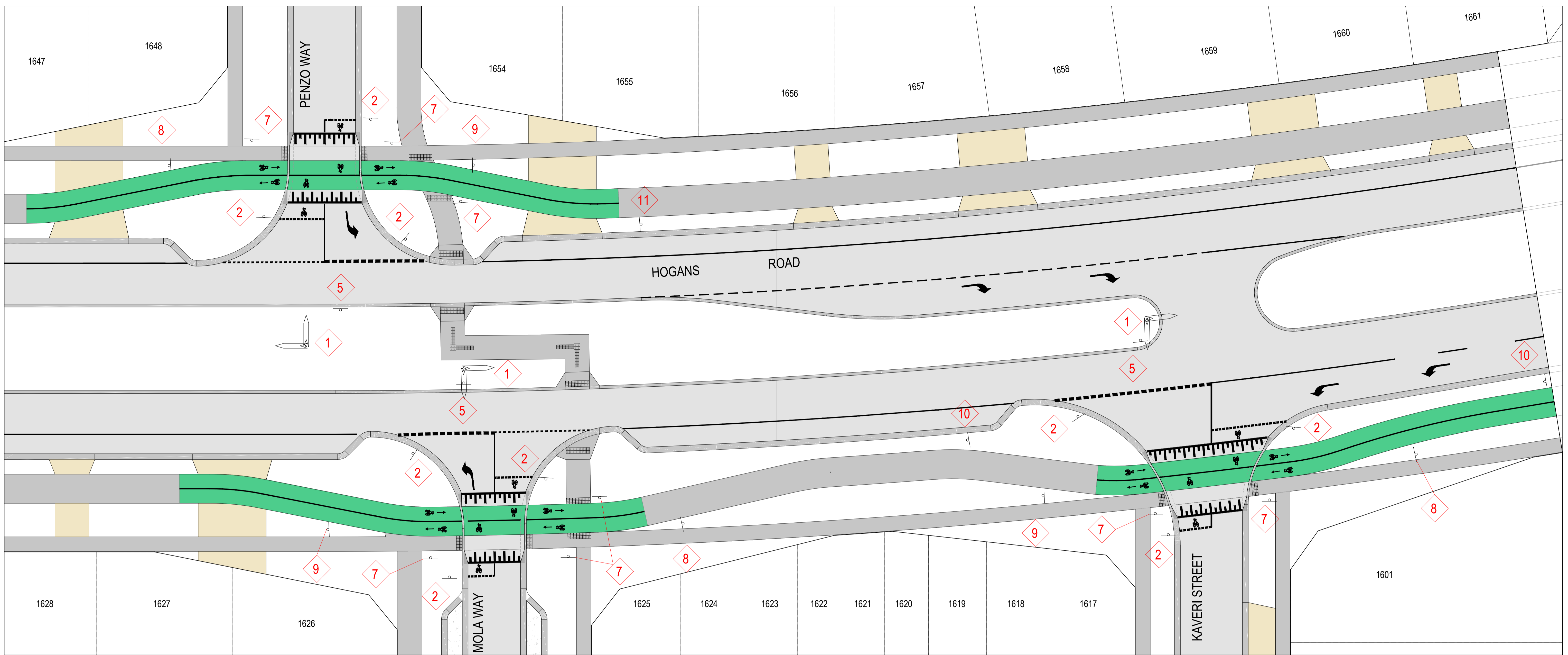
ALAMORA
Tarnait

**ALAMORA - STAGE 16
SIGNAGE & LINEMARKING - 1**

ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:500

DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	R800
REVISION	0		



SIGN SCHEDULE

SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN		
	R1-2	3No.
	T2-4A	3No.
	D4-5	1No.
D4-1-1B (R)	4	
	R2-2L	2No.

SIGN	REF	QUANTITY
	W5-10A	2No.
	W8-2A	6
	W6-9	8No.
	R8-3A(L)	3No.
	R8-3A(R)	3No.

SIGN	REF	QUANTITY
	W6-9	3No.
	W8-3L	
	W6-9	1No.
	W8-3R	

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 03/03/2025

STREET SIGN SCHEDULE

HOGANS RD	3No.
KAVERI STREET	3No.
PALIA DR	1No.
LOZNA LANE	2No.
MOLAY WAY	2No.
BANAS WALK	2No.
PENZO WAY	1No.

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.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
C	15/01/25	COUNCIL COMMENTS	A.W	A.W	M.T
B	13/12/24	DRIVEWAYS REVISED	SM	AW	MT
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

villawood
properties
Communities Designed for Living

creo
CIVIL
Suite 1, 2 Bloomsbury Street
Newtown, VIC, Australia 3220

ALAMORA
Tarnait

ALAMORA - STAGE 16
SIGNAGE & LINEMARKING - 2

ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:200

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	R801	0

LEGEND - CONCRETE JOINTING PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- EXISTING STORMWATER DRAIN
- S ● SEWER & MAINTENANCE STRUCTURES
- Ex S ● EXISTING SEWER
- H — HOUSE DRAIN
- ▨ TACTILE PAVERS
- ▨ PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- ▨ PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH (WITH THICKENING) & HEAVY DUTY VEHICLE CROSSING
- 199.4 — MAJOR CONTOUR - (0.10m INTERVALS)
- 199.4 — MINOR CONTOUR - (0.05m INTERVALS)
- 199.4 — EXISTING CONTOUR - 0.05m
- CROWN

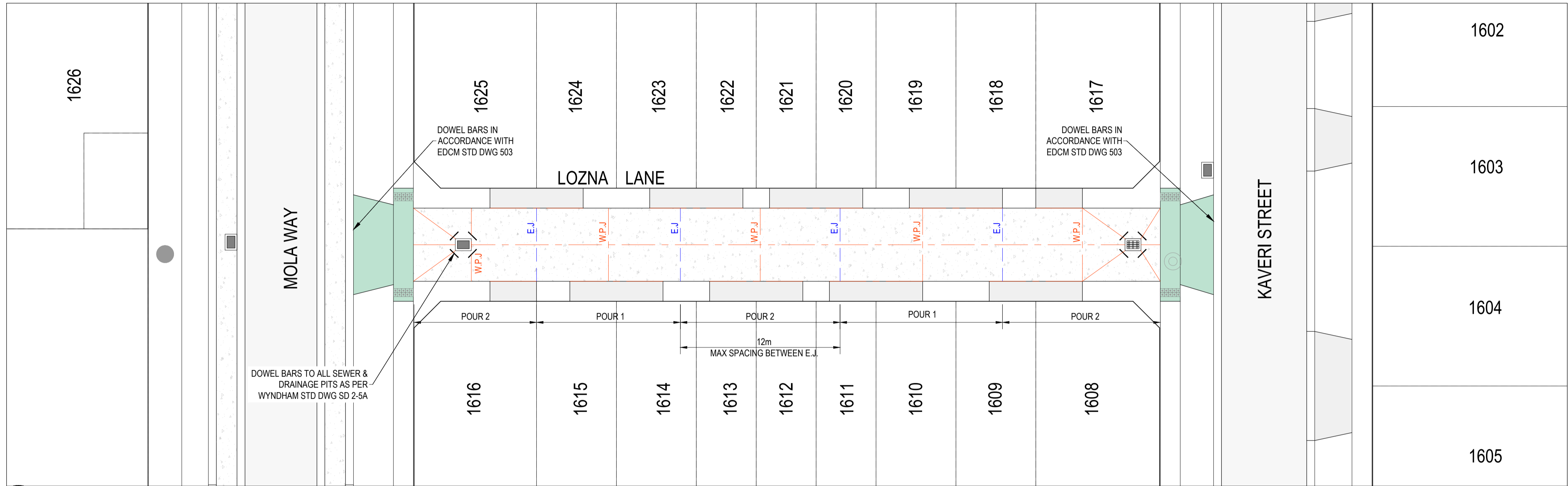
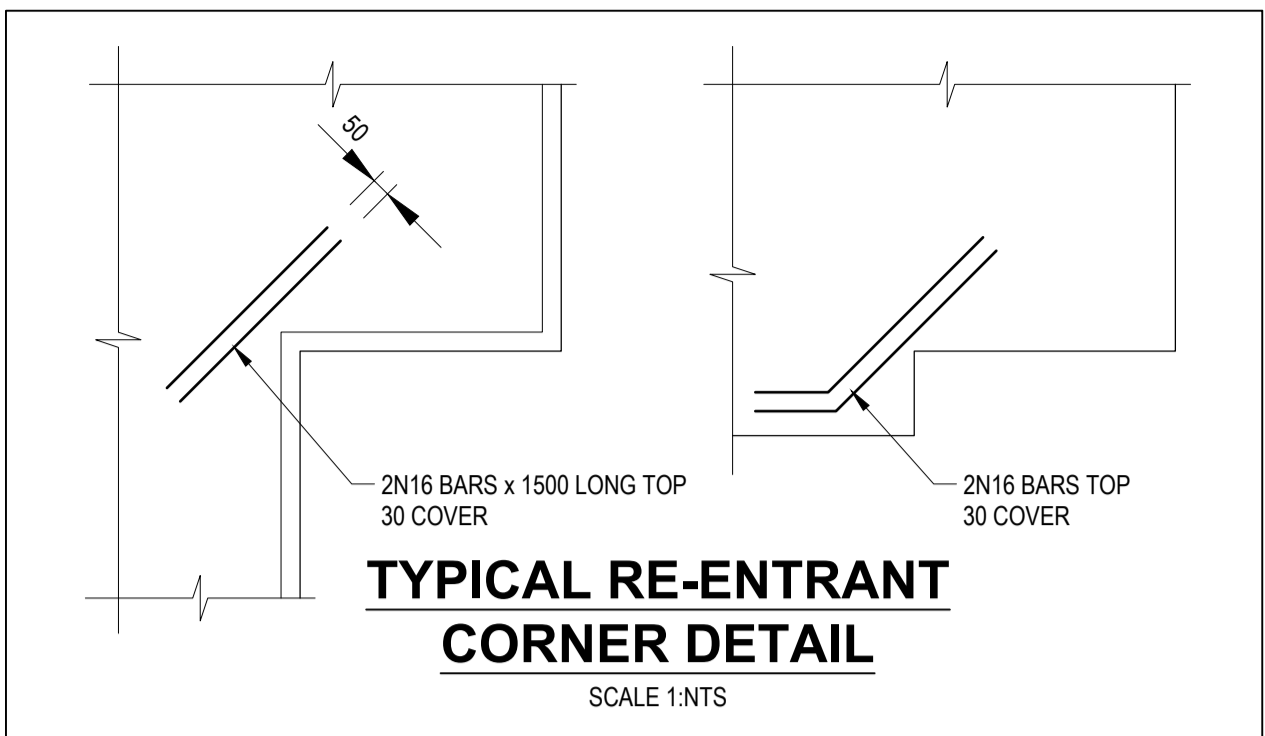
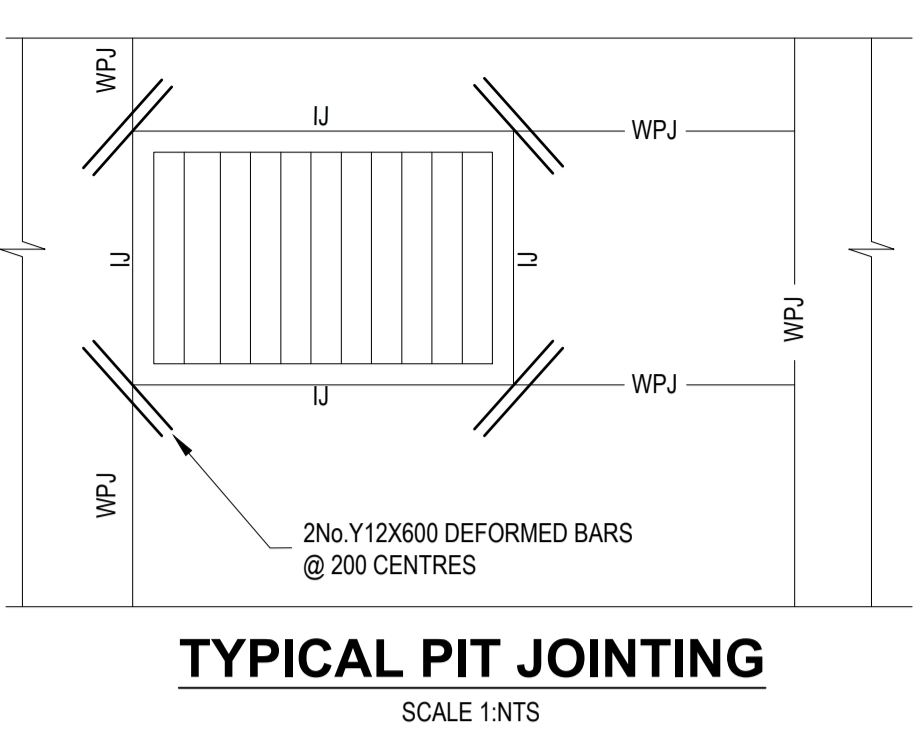
CONCRETE JOINT LEGEND

- I.J. ISOLATION JOINT
- W.P.J. SAWCUT JOINT
- E.J. EXPANSION CONTROL JOINT (12m Max)

FOR JOINT DETAILS REFER STD DWG EDM 401 & 402

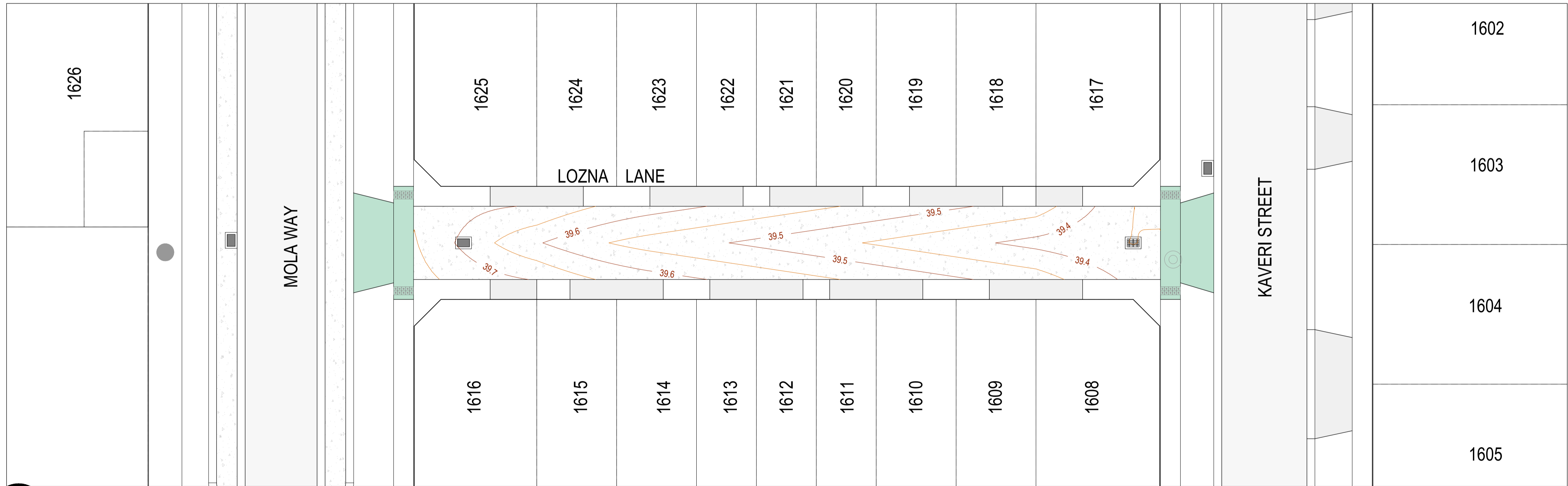
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100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

NOTE:
 1. CONTRACTOR TO PROVIDE 1.2m x 1.2m UNPAVED PUBLIC LIGHTING AREAS WITHIN LANEWAYS. CONTRACTOR TO REFER LATEST ELECTRICAL DRAWINGS FOR INFORMATION.



CONCRETE JOINTING LAYOUT PLAN
 SCALE 1:200 @ A1

Planning and Environment Act 1987
Wyndham Planning Scheme
 Approved Plan As Required
 under Condition 40
 Permit No WYP10817/18
 Date 03/03/2025



CONCRETE CONTOUR LAYOUT PLAN
 SCALE 1:200 @ A1

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

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	S.M	A.W	M.T
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 16
CONCRETE JOINTING PLAN

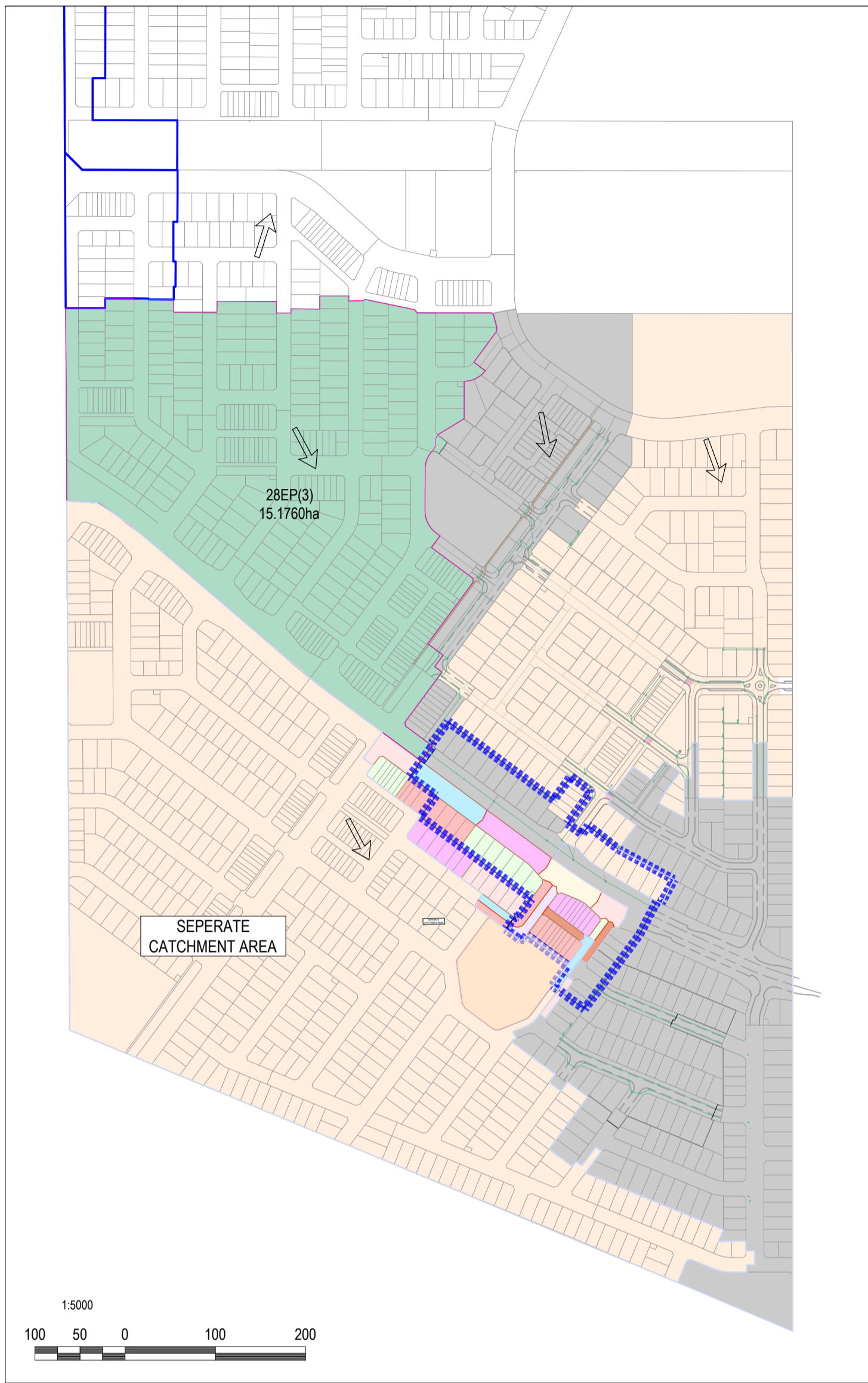
STATUS

ISSUED FOR CONSTRUCTION

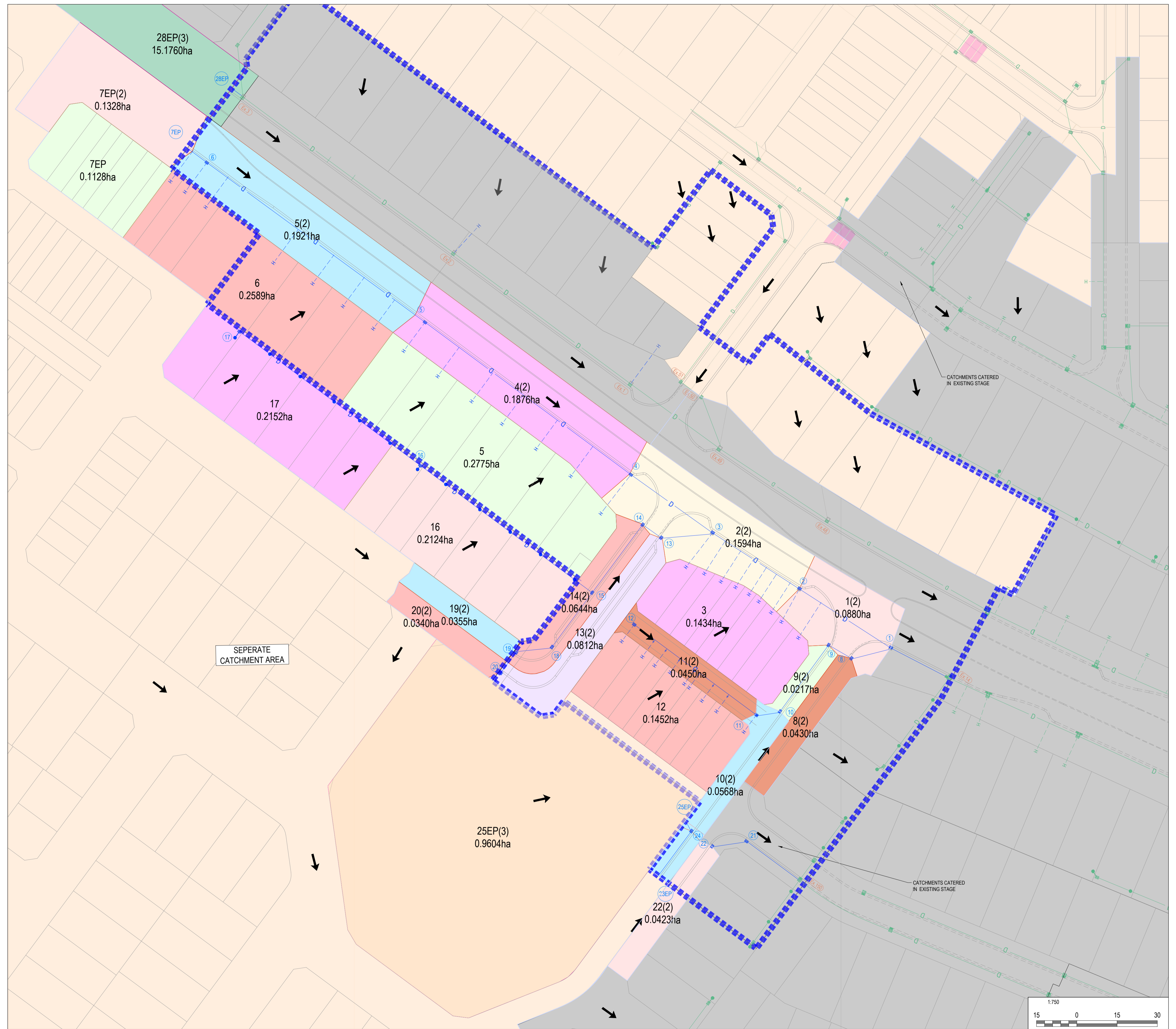
SCALE @ A1 : 1:200

DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	R900
REVISION			0

LEGEND	
	PROPOSED DRAINAGE ALIGNMENT
	FUTURE DRAINAGE ALIGNMENT (INDICATIVE)
	EXISTING DRAINAGE ALIGNMENT
	EXIST CONTOURS
	NON CONTRIBUTING CATCHMENT
	PROPOSED STAGE BOUNDARY



OVERALL CATCHMENT



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	ISSUED FOR CONSTRUCTION	SM	AW	ES
A	10/12/24	ISSUED FOR APPROVAL	SM	AW	ES

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 16
Q5 CATCHMENT PLAN

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1:
AS SHOWN

DESIGNED: S.M

PROJECT ENGINEER: M.T

DRAWN: S.M

PROJECT MANAGER: M.T

PROJECT No: 200282.16

DRAWING No: C200

REVISION: 0

Alamora - STAGE 16
DRAINAGE COMPUTATIONS - HYDROLOGY

DATE:	18/02/2025
REVISION:	0



Pit	Pit Type	Setout			Catch ID	Tc (min)	Intensity (mm/hr)	CofR	Area (ha)	Ae (ha)	Sum Ae (ha)	Approach Flow l/s
		Easting (m)	Northing (m)	RL (m)								
Ex.14	ExpIT	292164.78	5807449.59	38.51								
1	SEP	292147.02	5807462.12	38.6	2P	5	82.4	0.57	0.088	0.0503	0.0503	11.5
2	SEP	292119.73	5807485.62	38.83	2P	5	82.4	0.57	0.1594	0.0912	0.0912	20.9
3	JP	292093.79	5807507.94	39	1P	5	82.4	0.71	0.1434	0.1023	0.1023	23.4
4	SEP	292069.68	5807530.75	39.16	2P	5	82.4	0.57	0.1876	0.1073	0.1073	24.6
5	SEP	292006.21	5807592.87	39.6	1P	5	82.4	0.71	0.2775	0.1979	0.3077	70.4
					2P	5	82.4	0.57	0.1921	0.1099		
6	SEP	291944.79	5807652.28	40.01	1P	5	82.4	0.71	0.2589	0.1846	0.1846	42.3
7EP	ENDPIPE	291938.35	5807658.58	40.1	1P	5	82.4	0.71	0.1128	0.0804	0.1564	35.8
					2P	5	82.4	0.57	0.1328	0.076		
8	SEP	292133.64	5807460.52	39.05	2P	5	82.4	0.57	0.043	0.0246	0.0246	5.6
9	SEP	292126.79	5807465.88	39.05	2P	5	82.4	0.57	0.0217	0.0124	0.0124	2.8
10	SEP	292107.85	5807446.32	39.19	2P	5	82.4	0.57	0.0568	0.0325	0.0325	7.4
11	GP	292099.9	5807446.24	39.35	2P	5	82.4	0.9	0.045	0.0405	0.0405	9.3
12	JP	292063.98	5807481.41	39.69	1P	5	82.4	0.71	0.1452	0.1035	0.1035	23.7
13	SEP	292076.74	5807508.68	39.31	2P	5	82.4	0.57	0.0812	0.0464	0.0464	10.6
14	JP	292071.27	5807513.81	39.31	2P	5	82.4	0.57	0.0644	0.0368	0.0368	8.4
15	JP	292051.65	5807493.76	39.37								
16	JP	292001.07	5807543.26	40	1P	5	82.4	0.71	0.2124	0.1514	0.1514	34.7
17	JP	291947.84	5807595.35	40.35	1P	5	82.4	0.71	0.2152	0.1534	0.1534	35.1
18	JP	292036.01	5807477.79	39.59								
19	SEP	292023.92	5807477.66	39.74	2P	5	82.4	0.57	0.0355	0.0203	0.0203	4.7
20	SEP	292017.98	5807471.58	39.74	2P	5	82.4	0.57	0.034	0.0194	0.0194	4.4
Ex.150	ExpIT	292106.53	5807390.07	39.21								
21	JP	292090.99	5807405.29	39.32								
22	SEP	292079.46	5807405.16	39.54	2P	5	82.4	0.57	0.0423	0.0242	0.0242	5.5
23EP	ENDPIPE	292059.78	5807397.21	39.63								
24	JP	292073.39	5807411.11	39.54								
25EP	ENDPIPE	292071.65	5807415.91	39.6	3P	7	74.16	0.32	0.9604	0.3112	0.3112	64.1
Ex.3	ExpIT	291959.6	5807672.17	40.06								
28EP	ENDPIPE	291955.6	5807676.19	40.1	3P	10.2	61.34	0.66	15.176	10.0161	10.0161	1706.5

Alamora - STAGE 16
DRAINAGE COMPUTATIONS - HYDRAULICS
1 in 5 YEAR ARI

DATE:	18/02/2025
REVISION	0

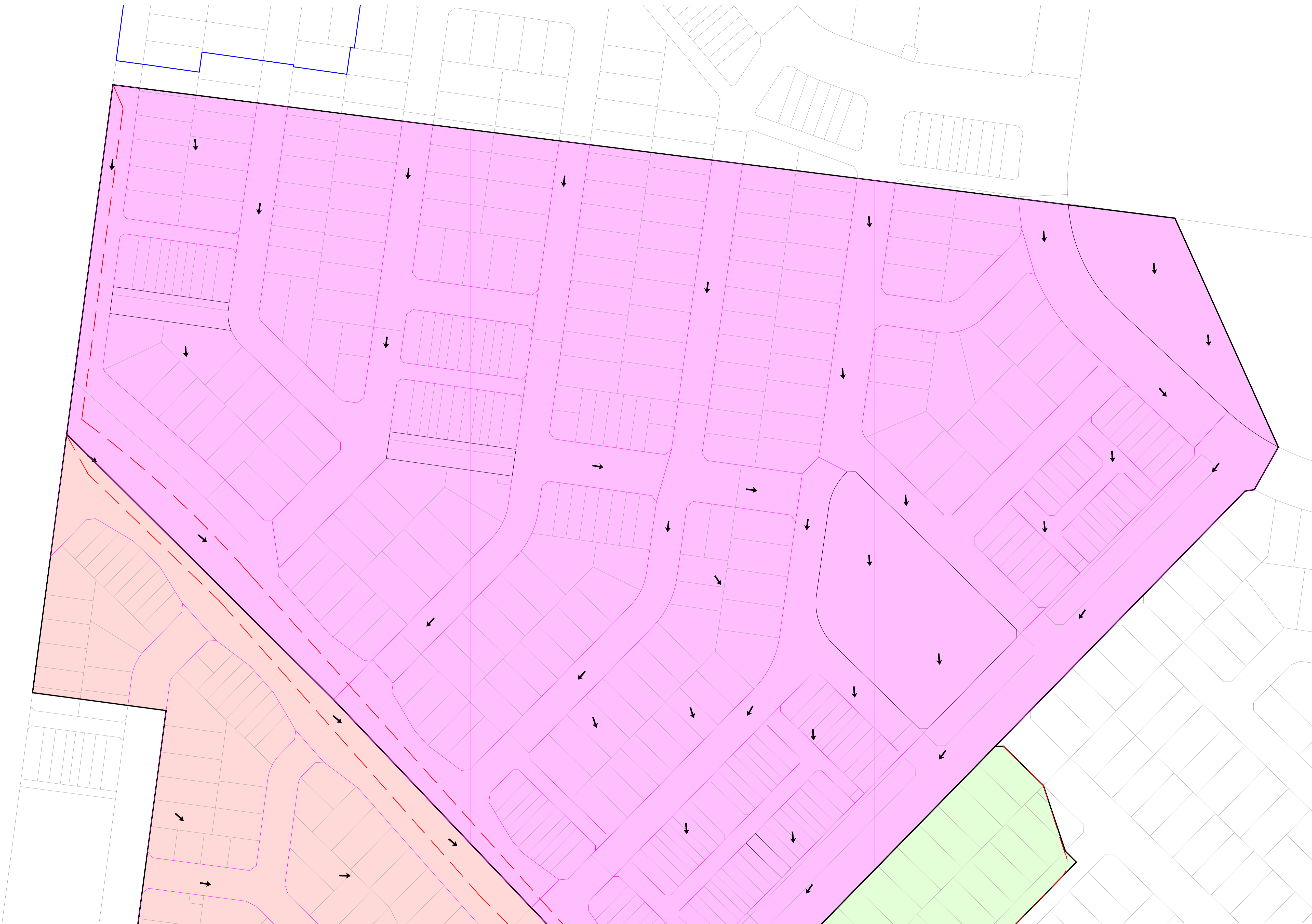


Pipe US	Pipe DS	Pipe Length (m)	Pipe Size (mm)	Pipe Grade (1 in)	Tc (min)	Intensity (mm/hr)	Sum Ae (ha)	Pipe Flow (l/s)	Pipe Capacity (l/s)	Q/Qf	Capacity Velocity (m/s)	Cover Min (m)	US Pit Ku	Pipe V'head (m)	P'head Loss (m)	Pipe T'head Loss (m)	Pit WSE (m)	Pipe US HGL (m)	Pipe DS HGL (m)	HGL Slope (%)	HGL Grade (1 in)	Freeboard US (m)
Ex.14																	37.4					
1	Ex.14	21.7	600	142.10	7.4	73.0	1.641	331.0	515.0	0.64	1.8	1.4	0.4	0.1	0.0	0.1	37.5	37.4	37.4	0.3	344.9	1.2
2	1	36.0	525	200.00	7.1	74.0	1.377	282.0	304.0	0.93	1.4	1.3	0.5	0.1	0.1	0.2	37.7	37.6	37.5	0.4	232.3	1.2
3	2	34.2	525	200.0	6.8	75.0	1.3	268.0	304.0	0.88	1.4	1.4	0.7	0.1	0.1	0.1	37.8	37.8	37.7	0.4	258.1	1.2
4	3	33.2	450	250.0	6.5	76.0	0.8	160.0	180.0	0.89	1.1	1.4	0.2	0.1	0.0	0.1	38.0	37.9	37.8	0.3	318.5	1.2
5	4	88.8	375	125.0	5.8	79.0	0.6	143.0	157.0	0.91	1.4	1.2	1.7	0.1	0.2	0.6	38.7	38.5	38.0	0.7	151.2	0.9
6	5	85.5	375	252.0	5.1	82.0	0.3	78.0	110.0	0.70	1.0	1.2	2.2	0.0	0.1	0.2	38.9	38.9	38.7	0.2	508.9	1.1
7EP	6	9.000	300	100.0	5.00	82.00	0.1560	36.0	97.0	0.37	1.37	1.21	2.00	0.01	0.03	0.01	38.95	38.93	38.91	0.14	730.6	1.14
1	Ex.14												0.40		0.03		37.45					1.15
8	1	13.479	300	49.9	5.78	79.00	0.2140	47.0	137.0	0.34	1.94	1.40	1.13	0.02	0.03	0.03	37.51	37.49	37.45	0.24	424.4	1.54
9	8	8.699	300	23.5	5.71	79.00	0.1890	42.0	199.0	0.21	2.82	0.98	1.99	0.02	0.04	0.37	37.93	37.88	37.51	4.27	23.4	1.12
10	9	27.234	300	187.2	5.49	80.00	0.1770	39.0	71.0	0.56	1.00	1.08	1.42	0.02	0.02	0.16	38.10	38.08	37.92	0.59	170.0	1.09
11	10	7.951	300	187.2	5.42	81.00	0.1440	32.0	71.0	0.46	1.00	1.05	1.76	0.01	0.02	0.07	38.19	38.17	38.10	0.88	113.5	1.16
12	11	50.270	300	100.0	5.00	82.00	0.1040	24.0	97.0	0.24	1.37	0.90	7.00	0.01	0.04	0.53	38.76	38.72	38.19	1.06	94.1	0.93
3	2												0.66		0.05		37.84					1.16
13	3	17.063	375	62.2	6.51	76.00	0.4280	91.0	222.0	0.41	2.01	1.49	1.06	0.03	0.04	0.05	37.92	37.88	37.84	0.27	375.3	1.39
14	13	7.502	375	166.7	6.44	76.00	0.3810	81.0	136.0	0.60	1.23	1.27	2.12	0.03	0.06	0.02	38.01	37.94	37.92	0.21	469.0	1.30
15	14	28.054	375	166.7	6.21	77.00	0.3450	74.0	136.0	0.55	1.23	1.25	1.82	0.02	0.04	0.09	38.13	38.08	38.00	0.31	324.6	1.24
16	15	70.769	300	100.0	5.62	80.00	0.3050	68.0	97.0	0.70	1.37	1.01	1.66	0.05	0.08	0.76	39.03	38.96	38.13	1.16	86.0	0.97
17	16	74.481	225	100.0	5.00	82.00	0.1530	35.0	45.0	0.78	1.13	0.65	5.17	0.04	0.21	0.64	39.88	39.68	39.03	0.86	115.9	0.47
15	14												1.82		0.04		38.13					1.24
18	15	22.350	300	187.2	5.17	82.00	0.0400	9.0	71.0	0.13	1.00	1.27	0.59			0.05	38.18	38.18	38.12	0.24	424.1	1.41
19	18	12.092	300	187.2	5.07	82.00	0.0400	9.0	71.0	0.13	1.00	1.35	2.56			0.11	38.29	38.29	38.18	0.94	106.0	1.44
20	19	8.500	300	100.0	5.00	82.00	0.0190	4.0	97.0	0.05	1.37	1.11	9.70			0.13	38.43	38.43	38.29	1.56	64.0	1.31
Ex.150																	38.44					
21	Ex.150	21.750	300	187.2	5.10	82.00	0.0240	6.0	71.0	0.08	1.00	1.26	0.59				38.44	38.44	38.44		30795.7	0.88
22	21	11.526	300	100.0	5.00	82.00	0.0240	6.0	97.0	0.06	1.37	1.22	7.97				38.45	38.44	38.44		30500.6	1.09
23EP																	38.97					
24	23EP	19.450	375	252.0	7.04	74.00	0.3110	64.0	110.0	0.58	1.00	0.90	0.84	0.02	0.01	0.03	39.02	39.00	38.97	0.13	752.4	0.52
25EP	24	5.108	300	60.3	7.00	74.00	0.3110	64.0	125.0	0.51	1.76	0.90		0.04		0.02	39.03	39.03	39.01	0.44	227.8	0.56
Ex.3																	39.18					

LEGEND

→ OVERLAND FLOW DIRECTION

- - - OVERLAND FLOW PATH



FOR CONTINUATION REFER SHEET C101

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	CONSTRUCTION ISSUE	A.SINGH	A.WALE	M.TRONCE
A	14/08/24	ISSUED FOR APPROVAL	A.SINGH	A.WALE	M.TRONCE

CLIENT



Communities Designed for Living

PROJECT



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

DRAWING TITLE

ALAMORA
Tarnait


DRAWING TITLE

ALAMORA - STAGE 16
Q100 CATCHMENT PLAN-01

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:1000



DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	C100
REVISION	0		

Project:	ALAMORA - Stage 16
Job No.:	200282.16
Council:	WYNDHAM
Region:	SOUTH WEST / WEST REGION
Design Standard:	GAA

Residential high: High densities. (Allotment size <450m2)
 Road Zone Category 2: Secondary and local roads.
 Public Park and Recreation Zone: Main zone for public open space, incl. golf courses.



Prepared by: M. Plant

Date: 18/02/2025

Revision: 0

LAND USE	Residential high	Road Zone Category 2	Public Park and Recreation Zone
FREQUENCY FACTOR \ FRACTION IMPERVIOUS	0.80	0.60	0.25
C5	0.713	0.572	0.324
C10	0.751	0.602	0.341
C100	0.901	0.722	0.409

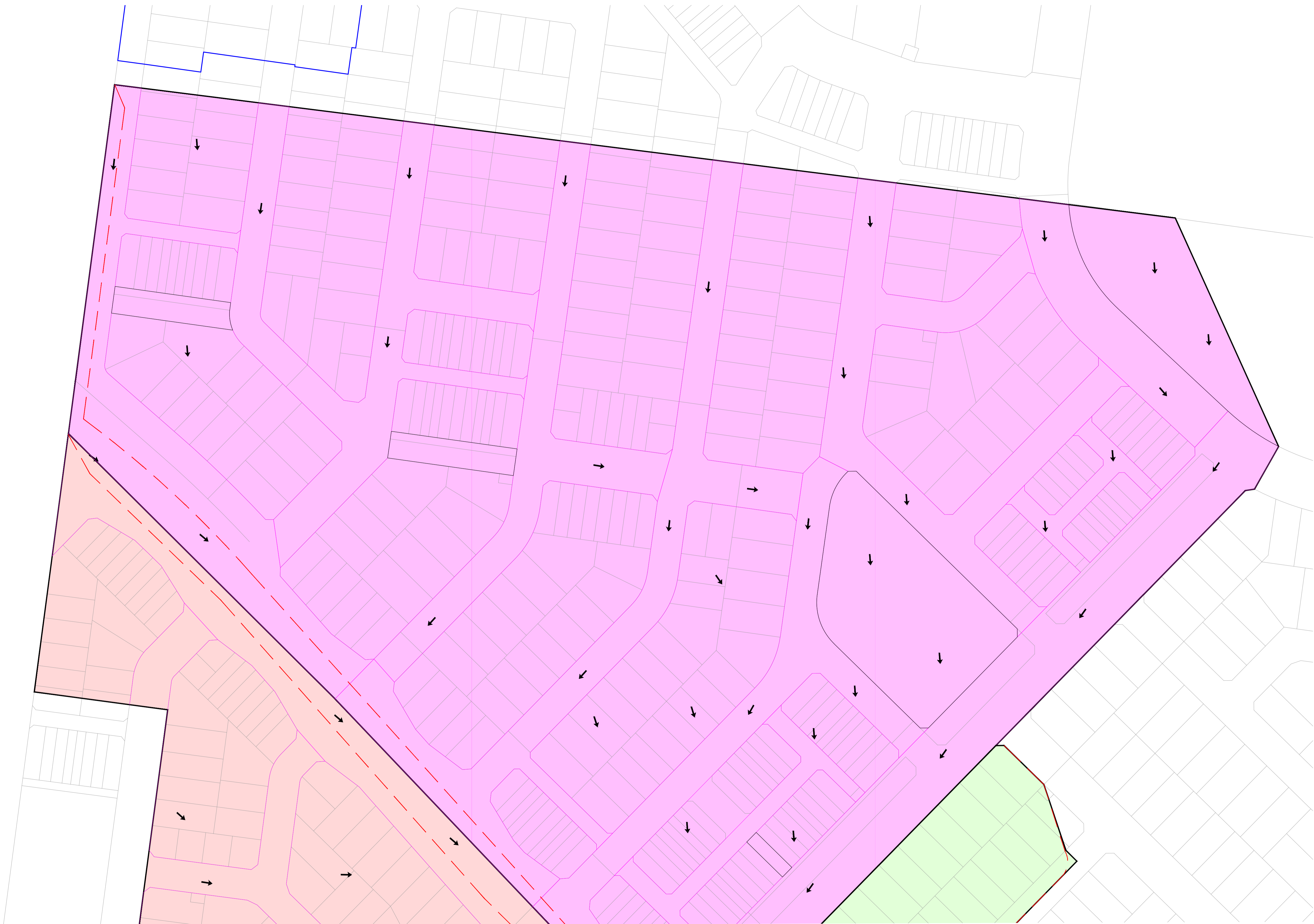
CATCHMENT AREAS				Sub Area
	ha	ha	ha	ha
A	11.496	7.739	1.445	20.680
B	4.386	2.738	0.060	7.184
C1	1.451	0.549		2.000
C	0.131	0.121		0.252
D	1.252	0.754	0.216	2.222
E	0.205	0.238	0.828	1.271
F	0.532	0.301		0.833
G	0.129	0.289		0.418
TOTAL	19.581	12.729	2.549	34.859

NODE	DESCRIPTION	CONTRIBUTING CATCHMENTS	CATCHMENT				RATIONAL METHOD				TIME OF CONCENTRATION			5 YEAR FLOW			100 YEAR FLOW			PIPE ARI	GAP FLOW	
			Residential high	Road Zone Category 2	Public Park and Recreation Zone	Total Area	Length	Slope	Velocity	Saturation Time	Critical Catchment	Calculated Tc	Adopted tc	A _c	I	Q	A _c	I	Q			EXCESS Q100 - QPIPE
			ha	ha	ha	ha	m	1 in	m/s	min		min	min	ha	mm/hr	m ³ /s	ha	mm/hr	m ³ /s			
A	SECTION A	A	11.50	7.74	1.45	20.68	843	200	1.3	5	A	16.2	16.2	13.09	48.2	1.75	16.54	101.6	4.67	5 YEAR FLOW	2.913	
B	SECTION B	B	4.39	2.74	0.06	7.18	685	200	1.0	5	B	16.8	16.8	4.71	47.2	0.62	5.95	99.5	1.64	5 YEAR FLOW	1.027	
C	SECTION C	(C1/2) + C	0.86	0.40		1.25	404	142	0.8	5	C	13.4	13.4	0.84	53.3	0.12	1.06	112.2	0.33	5 YEAR FLOW	0.206	
D	SECTION D	D	1.25	0.75	0.22	2.22	337	200	0.8	5	D	12.2	12.2	1.39	56.0	0.22	1.76	117.8	0.58	5 YEAR FLOW	0.360	
E	SECTION E	E	0.20	0.24	0.83	1.27	193	200	0.6	5	E	10.3	10.3	0.55	61.0	0.09	0.70	128.1	0.25	5 YEAR FLOW	0.154	
F	SECTION F	A + (C1/2) + C + F	12.88	8.44	1.45	22.76	136	200	1.3	5	A	17.9	17.9	14.48	45.5	1.83	18.29	95.9	4.87	5 YEAR FLOW	3.041	
G	SECTION G	B D E G	5.97	4.02	1.10	11.09	122	200	1.1	5	B	18.7	18.7	6.91	44.4	0.85	8.73	93.5	2.27	5 YEAR FLOW	1.416	

LEGEND

→ OVERLAND FLOW DIRECTION

- - - OVERLAND FLOW PATH



FOR CONTINUATION REFER SHEET C101

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	CONSTRUCTION ISSUE	A.SINGH	A.WALE	M.TRONCE
A	14/08/24	ISSUED FOR APPROVAL	A.SINGH	A.WALE	M.TRONCE

CLIENT



Communities Designed for Living

PROJECT



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

DRAWING TITLE

ALAMORA
Tarnait

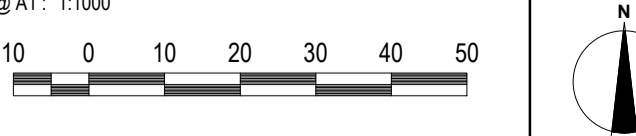
DRAWING TITLE

ALAMORA - STAGE 16
Q100 CATCHMENT PLAN-01

STATUS

ISSUED FOR CONSTRUCTION

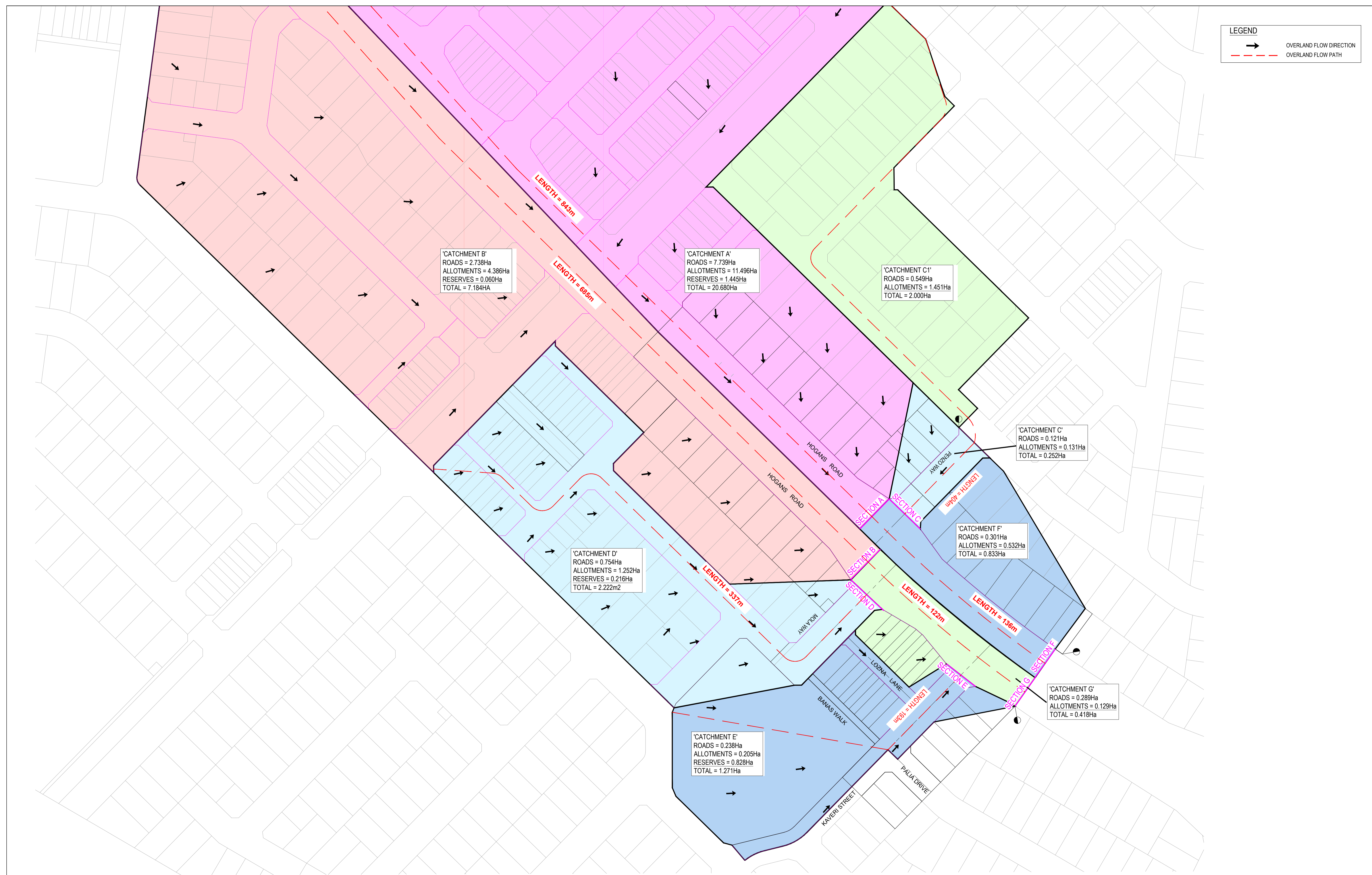
SCALE @ A1: 1:1000



DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	C100
REVISION	0		

LEGEND

→ OVERLAND FLOW DIRECTION
 - - - OVERLAND FLOW PATH



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	CONSTRUCTION ISSUE	A.SINGH	A.WALE	M.TROUNCE
A	14/08/24	ISSUED FOR APPROVAL	A.SINGH	A.WALE	M.TROUNCE

CLIENT

Communities Designed for Living

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 16
Q100 CATCHMENT PLAN-02

STATUS

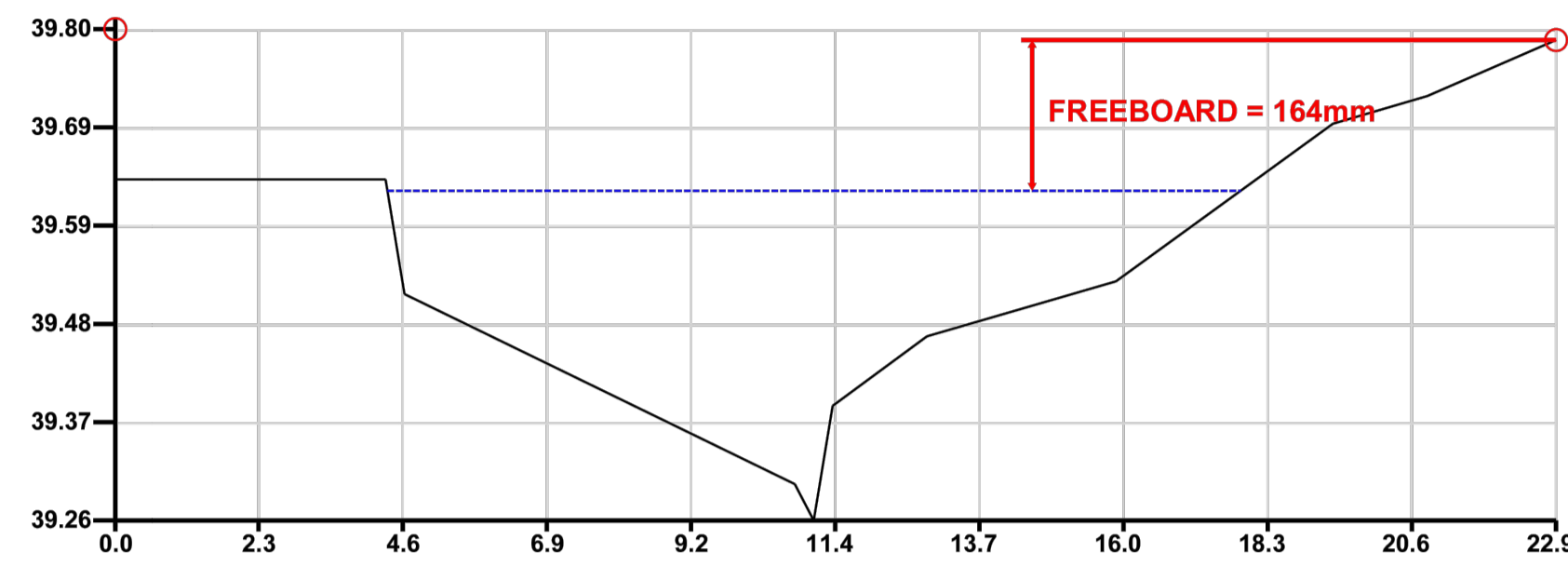
ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:1000

DESIGNED	S.M	PROJECT ENGINEER	M.T
DRAWN	S.M	PROJECT MANAGER	M.T
PROJECT No.	200282.16	DRAWING No.	C101
REVISION			0

PROJECT: 200282 Alamora ST16
Ch400
Print-out date: 29/10/2024 - Time: 9:28
Data File: Section A Ch400 (Typical Section).dat

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event
Total discharge = 2.91 cumecs

There is no pipe discharge
Overland / Channel / Watercourse discharge = 2.913 cumecs

3. RESULTS: Water surface elevation = 39.624m

Main Waterway grade = 1 in 200, Main Channel / Low Flow Channel grade = 1 in 200.

	LEFT OVERBANK	MAIN CHANNEL	RIGHT OVERBANK	TOTAL CROSS-SECTION
Discharge (cumecs):	0.00	3.11	0.00	3.11
D(Max) = Max. Depth (m):	0.00	0.36	0.00	0.36
D(Ave) = Ave. Depth (m):	0.00	0.17	0.00	0.17
V = Ave. Velocity (m/s):	0.00	1.34	0.00	1.34
D(Max) x V (cumecs/m):	0.00	0.48	0.00	0.48
D(Ave) x V (cumecs/m):	0.00	0.23	0.00	0.23
Froude Number:	0.00	1.03	0.00	1.03
Area (m ²):	0.00	2.33	0.00	2.33
Wetted Perimeter (m):	0.00	13.62	0.00	13.62
Flow Width (m):	0.00	13.56	0.00	13.56
Hydraulic Radius (m):	0.00	0.17	0.00	0.17
Composite Manning's n:	0.000	0.016	0.000	0.016
Split Flow?	-	-	-	No

4. CROSS-SECTION DATA:

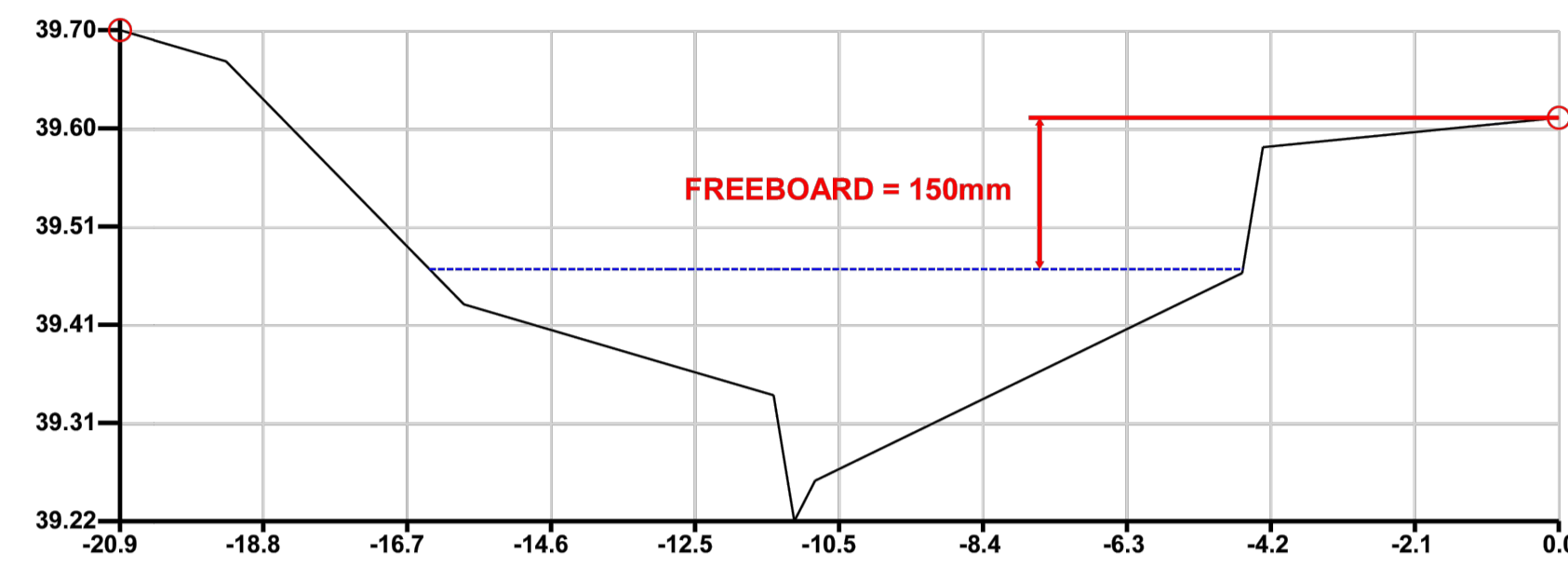
SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-0.010	39.800	0.000	39.636	0.020
2	0.000	39.636	4.300	39.636	0.035
3	4.300	39.636	4.600	39.511	0.015
4	4.600	39.511	10.800	39.304	0.015
5	10.800	39.304	11.100	39.264	0.013
6	11.100	39.264	11.400	39.389	0.013
7	11.400	39.389	12.900	39.465	0.020
8	12.900	39.465	15.900	39.525	0.015
9	15.900	39.525	19.350	39.697	0.020
10	19.350	39.697	20.850	39.727	0.013
11	20.850	39.727	22.900	39.788	0.020

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SECTION A

PROJECT: 200282 Alamora
STAGE 16 - SECTION B
Print-out date: 14/08/2024 - Time: 14:55
Data File: STAGE 16 - SECTION B.pcc

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event
Total discharge = 1.03 cumecs

There is no pipe discharge
Overland / Channel / Watercourse discharge = 1.027 cumecs

3. RESULTS: Water surface elevation = 39.465m

Main Waterway grade = 1 in 200, Main Channel / Low Flow Channel grade = 1 in 200.

	LEFT OVERBANK	MAIN CHANNEL	RIGHT OVERBANK	TOTAL CROSS-SECTION
Discharge (cumecs):	0.00	1.13	0.00	1.13
D(Max) = Max. Depth (m):	0.00	0.25	0.00	0.25
D(Ave) = Ave. Depth (m):	0.00	0.10	0.00	0.10
V = Ave. Velocity (m/s):	0.00	0.97	0.00	0.97
D(Max) x V (cumecs/m):	0.00	0.24	0.00	0.24
D(Ave) x V (cumecs/m):	0.00	0.10	0.00	0.10
Froude Number:	0.00	0.99	0.00	0.99
Area (m ²):	0.00	1.16	0.00	1.16
Wetted Perimeter (m):	0.00	11.84	0.00	11.84
Flow Width (m):	0.00	11.81	0.00	11.81
Hydraulic Radius (m):	0.00	0.10	0.00	0.10
Composite Manning's n:	0.000	0.015	0.000	0.015
Split Flow?	-	-	-	No

4. CROSS-SECTION DATA:

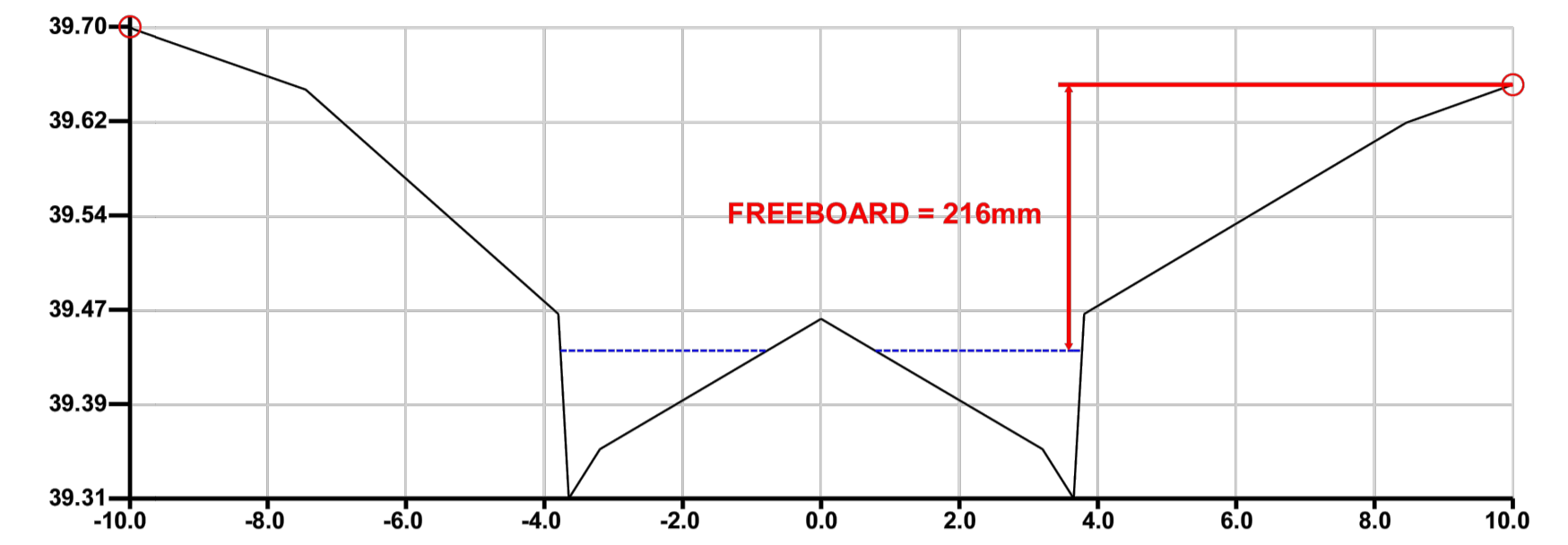
SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-20.900	39.702	-20.850	39.701	0.035
2	-20.850	39.701	-19.350	39.671	0.013
3	-19.350	39.671	-15.900	39.430	0.020
4	-15.900	39.430	-12.900	39.370	0.013
5	-12.900	39.370	-11.400	39.340	0.020
6	-11.400	39.340	-11.100	39.215	0.013
7	-11.100	39.215	-10.800	39.255	0.013
8	-10.800	39.255	-4.600	39.461	0.015
9	-4.600	39.461	-4.300	39.586	0.013
10	-4.300	39.586	0.000	39.615	0.035

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SECTION B

PROJECT: 200282 Alamora
13 Ch60
Print-out date: 14/08/2024 - Time: 15:00
Data File: STAGE 16 - SECTION C.pcc

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event
Total discharge = 0.206 cumecs

There is no pipe discharge
Overland / Channel / Watercourse discharge = 0.206 cumecs

3. RESULTS: Water surface elevation = 39.433m

Main Waterway grade = 1 in 142, Main Channel / Low Flow Channel grade = 1 in 142.

	LEFT OVERBANK	MAIN CHANNEL	RIGHT OVERBANK	TOTAL CROSS-SECTION
Discharge (cumecs):	0.00	0.23	0.00	0.23
D(Max) = Max. Depth (m):	0.00	0.12	0.00	0.12
D(Ave) = Ave. Depth (m):	0.00	0.05	0.00	0.05
V = Ave. Velocity (m/s):	0.00	0.77	0.00	0.77
D(Max) x V (cumecs/m):	0.00	0.09	0.00	0.09
D(Ave) x V (cumecs/m):	0.00	0.04	0.00	0.04
Froude Number:	0.00	1.10	0.00	N/A
Area (m ²):	0.00	0.30	0.00	0.30
Wetted Perimeter (m):	0.00	6.08	0.00	6.08
Flow Width (m):	0.00	5.97	0.00	5.97
Hydraulic Radius (m):	0.00	0.05	0.00	0.05
Composite Manning's n:	0.000	0.015	0.000	N/A
Split Flow?	-	-	-	Yes

4. CROSS-SECTION DATA:

SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-10.000	39.696	-9.950	39.694	0.035
2	-9.950	39.694	-7.450	39.645	0.013
3	-7.450	39.645	-3.800	39.463	0.020
4	-3.800	39.463	-3.650	39.313	0.013
5	-3.650	39.313	-3.200	39.353	0.013
6	-3.200	39.353	0.000	39.459	0.015
7	0.000	39.459	3.200	39.353	0.015
8	3.200	39.353	3.650	39.313	0.013
9	3.650	39.313	3.800	39.463	0.013
10	3.800	39.463	8.450	39.618	0.020
11	8.450	39.618	9.950	39.648	0.013
12	9.950	39.648	10.000	39.649	0.035

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SECTION C

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	CONSTRUCTION ISSUE	A.SINGH	A.WALE	M.TROUNCE
A	21/05/24	ISSUED FOR APPROVAL	A.SINGH	A.WALE	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 16
Q100 CROSS SECTIONS-01

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1:

DESIGNED

S.M

DRAWN

S.M

PROJECT No.

200282.16

PROJECT ENGINEER

M.T

PROJECT MANAGER

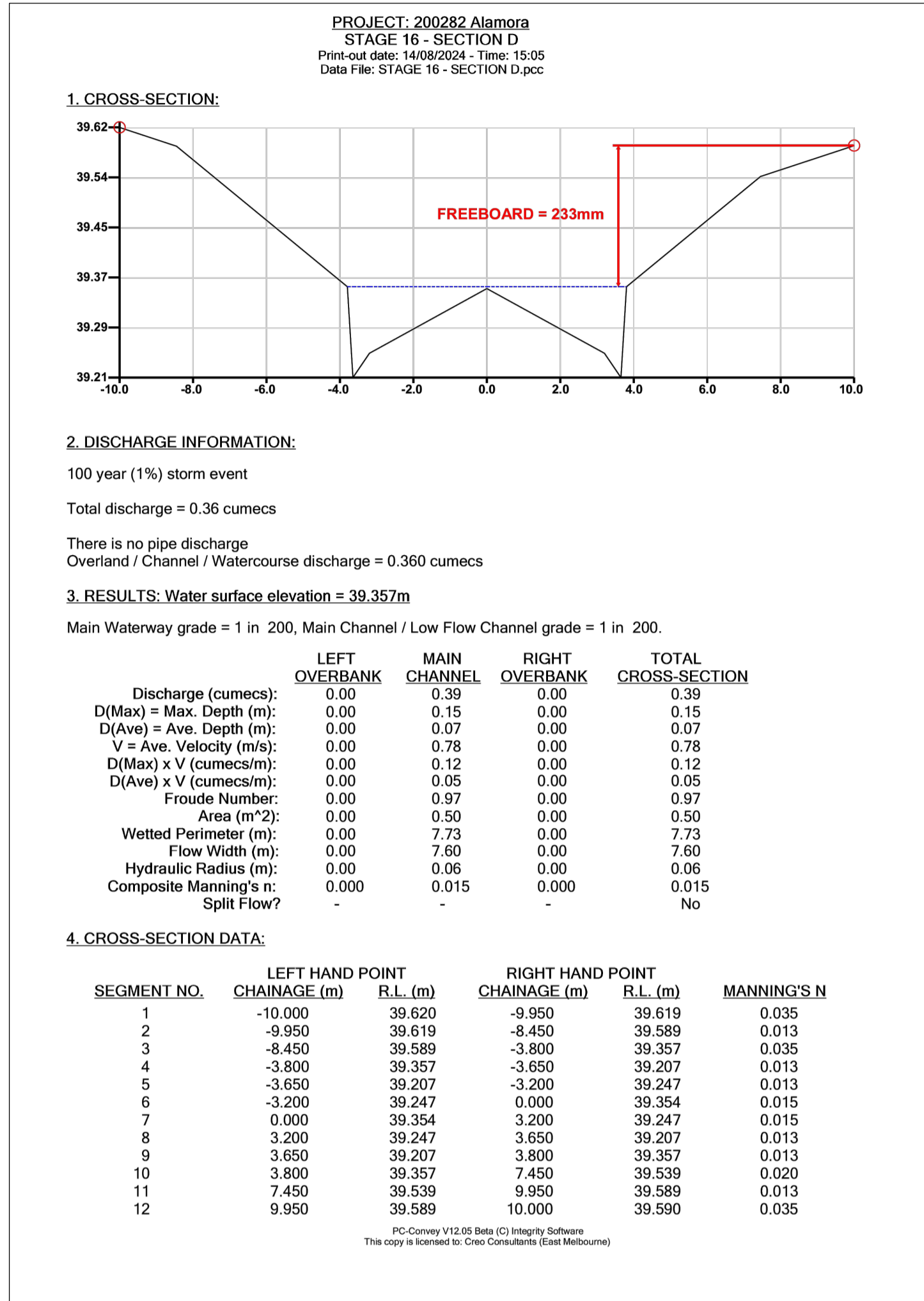
M.T

DRAWING No.

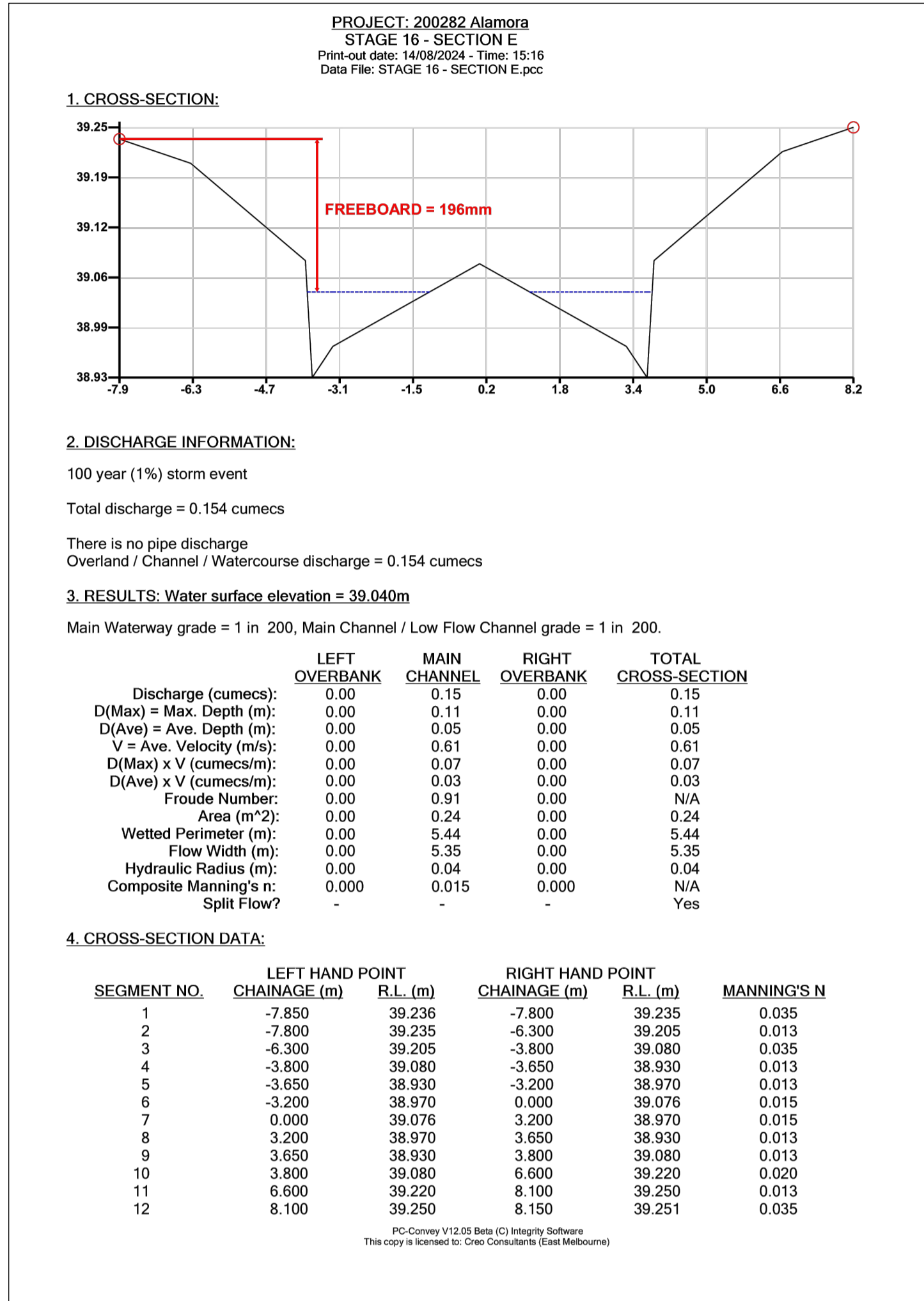
C102

REVISION

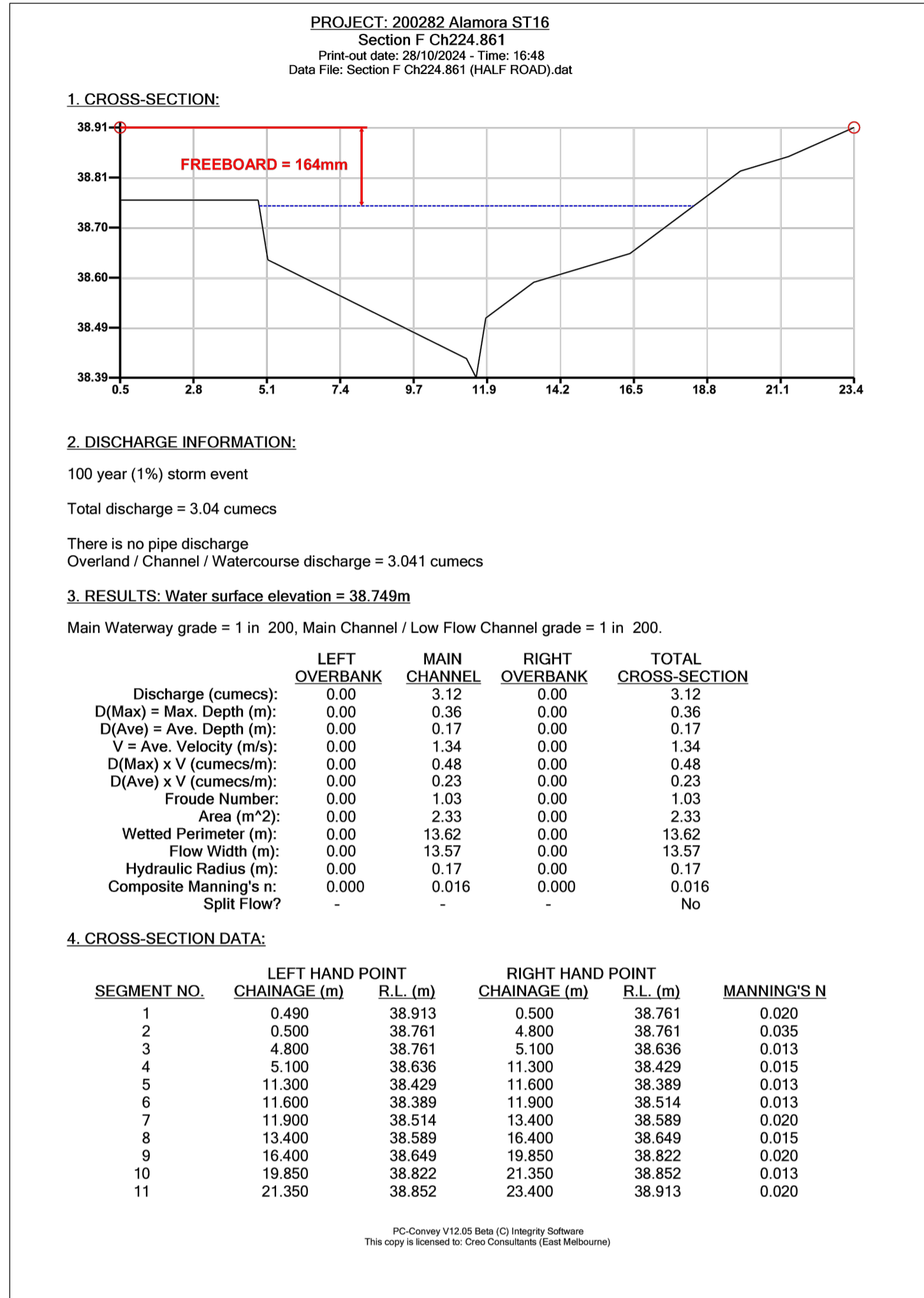
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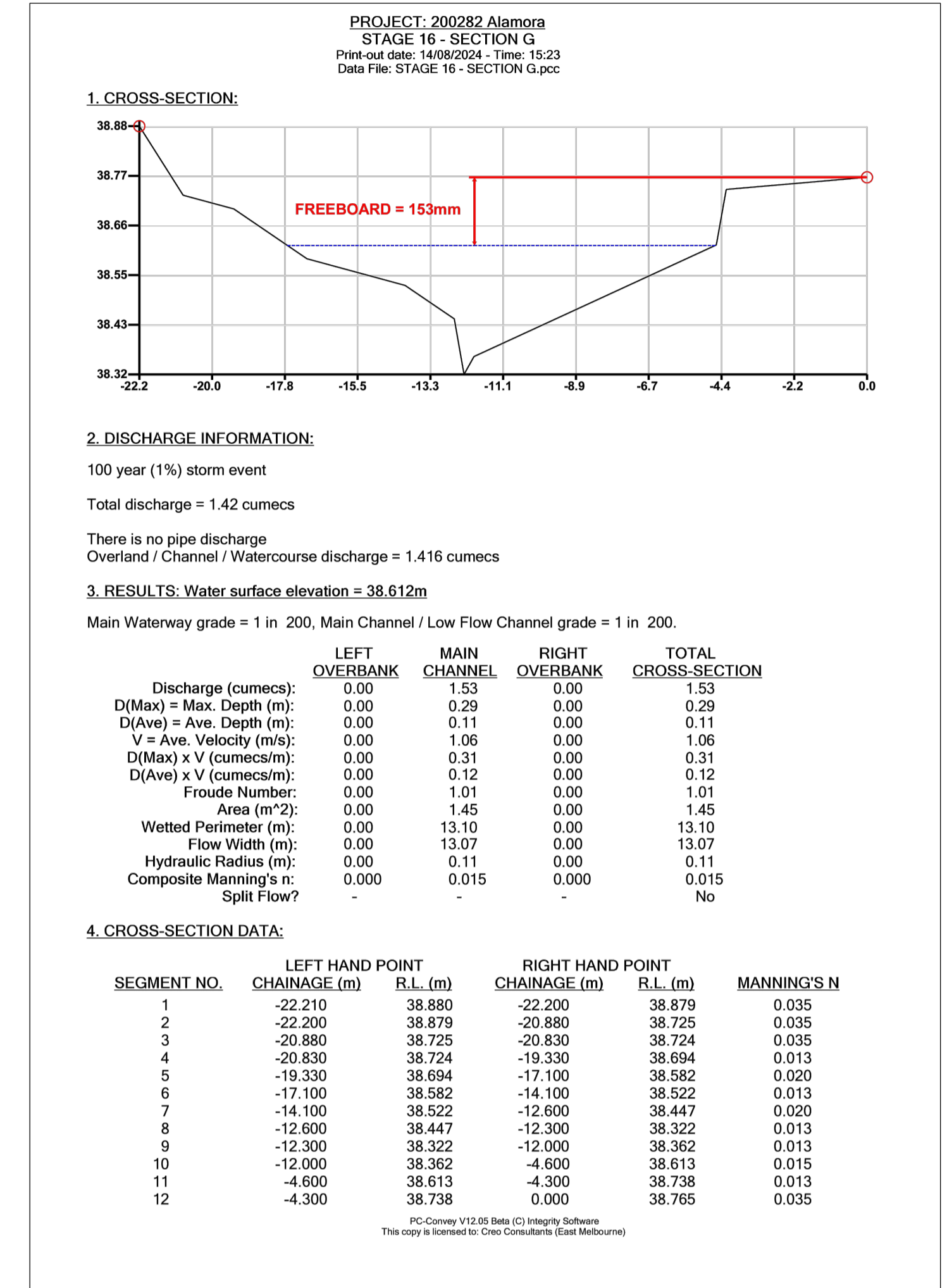
SECTION D



SECTION E



SECTION F



SECTION G

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	18/02/25	CONSTRUCTION ISSUE	A.SINGH	A.WALE	M.TROUNCE
A	21/05/24	ISSUED FOR APPROVAL	A.SINGH	A.WALE	M.TROUNCE



DRAWING TITLE
**ALAMORA - STAGE 16
Q100 CROSS SECTIONS-02**

STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1:

DESIGNED	PROJECT ENGINEER	
S.M	M.T	
DRAWN	PROJECT MANAGER	
S.M	M.T	
PROJECT No.	DRAWING No.	REVISION
200282.16	C103	0