

ALAMORA

STAGE 19

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.

UTILITIES:

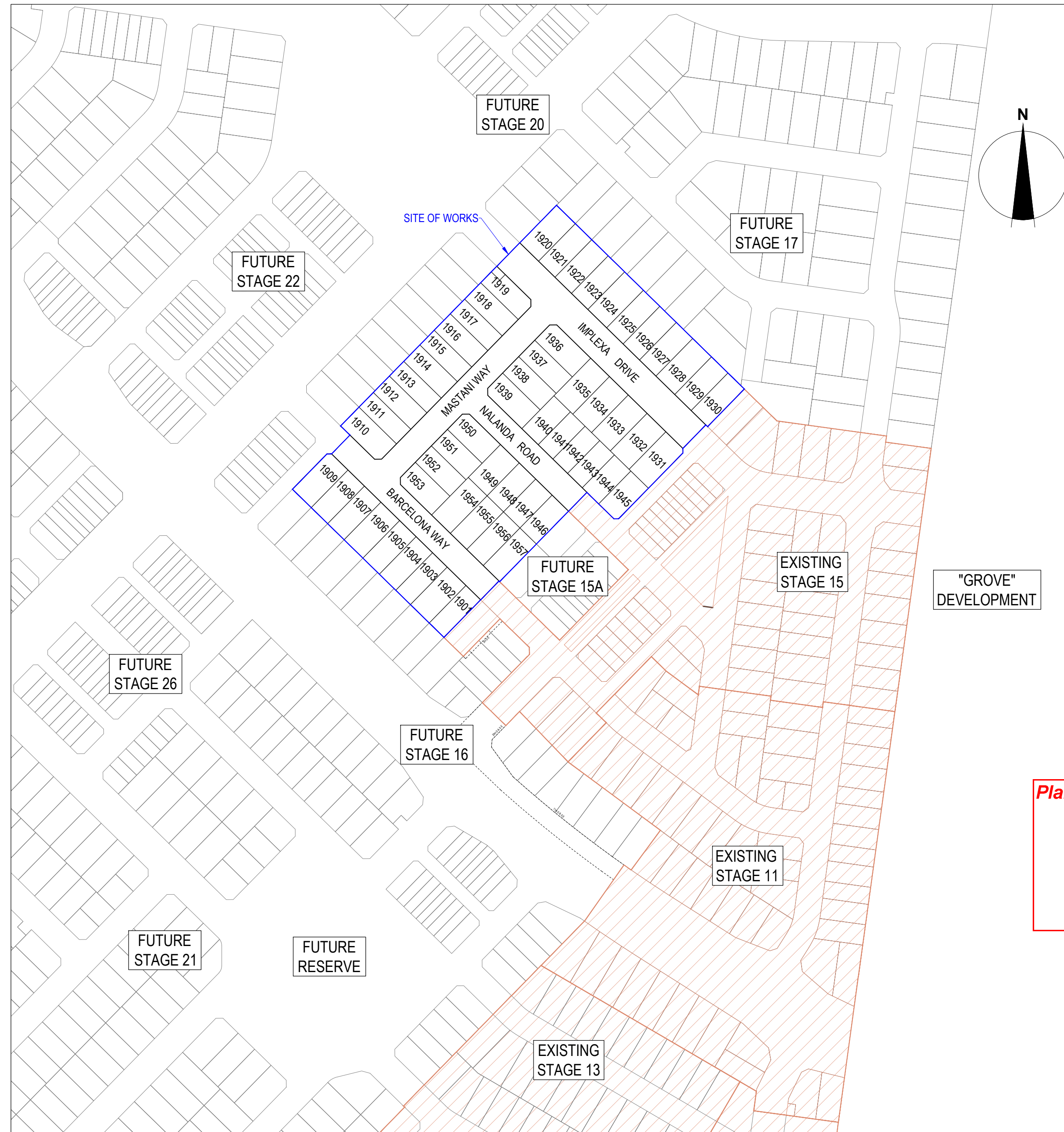
- SERVICE CONDUITS ARE TO BE INSTALLED AT THE LOCATIONS SHOWN ON THIS DRAWING. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON KERB & CHANNEL AS PER EDM 303. SERVICE CONDUITS THAT ARE SUBJECT TO AMENDMENT SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT.
- ALL CONDUIT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

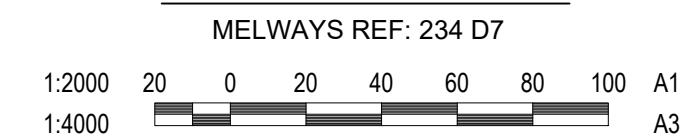
- ALL EXISTING TREES ARE TO BE PROTECTED DURING CONSTRUCTION.
- ANY TREE REMOVAL MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN OR AS DIRECTED ONSITE BY THE LANDSCAPE APPROVALS OFFICER. TREES SHOWN ON THE PLANS ARE TO BE RETAINED AND PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- ALL ROOTS AND 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



SHEET LIST TABLE		
DRAWING NO.	DRAWING TITLE	REVISION
R100	COVER SHEET	0
R200	LAYOUT PLAN	0
R201	SERVICES PLAN	0
R202	EARTHWORKS PLAN	0
R300	INTERSECTION DETAILS - 1	0
R301	INTERSECTION DETAILS - 2	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
R600	DRAINAGE LONG SECTIONS - 1	0
R601	DRAINAGE LONG SECTIONS - 2	0
R602	DRAINAGE LONG SECTIONS - 3	0
R603	DRAINAGE LONG SECTIONS - 4	0
R604	PIT SCHEDULE	0
R700	TYPICAL DETAILS - 1	0
R701	TYPICAL DETAILS - 2	0
R800	SIGNAGE & LINEMARKING	0

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

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.

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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P:\2024\20242 - ALAMORA_TOWNSET\20242 - DRAINAGE\20242 - R100 - COVER SHEET.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
D	25/07/24	SHEET LIST TABLE UPDATED	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	SHEET LIST TABLE UPDATED	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

Communities Designed for Living

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

PROJECT

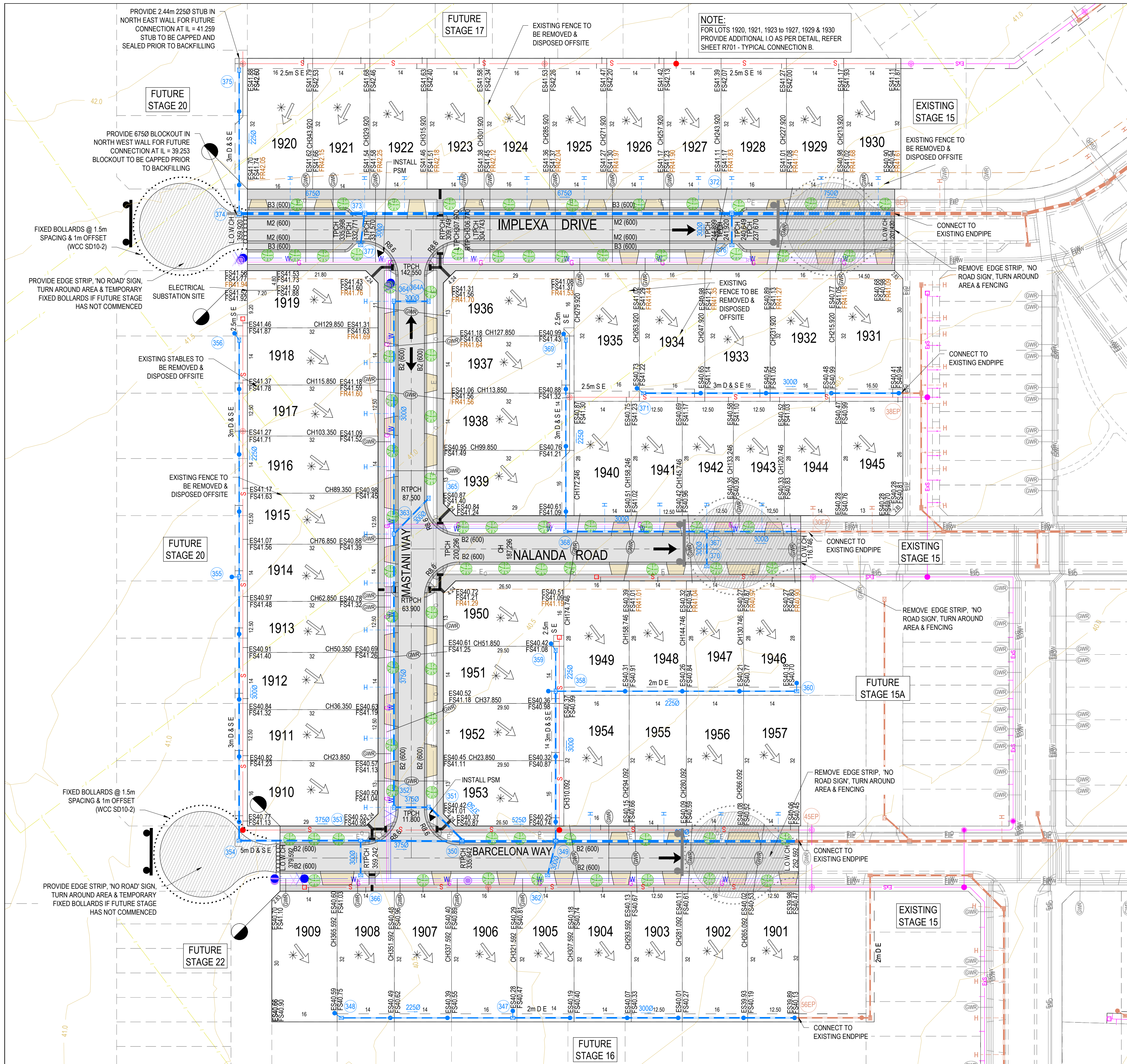
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ALAMORA - STAGE 19
COVER SHEET

STATUS

ISSUED FOR CONSTRUCTION

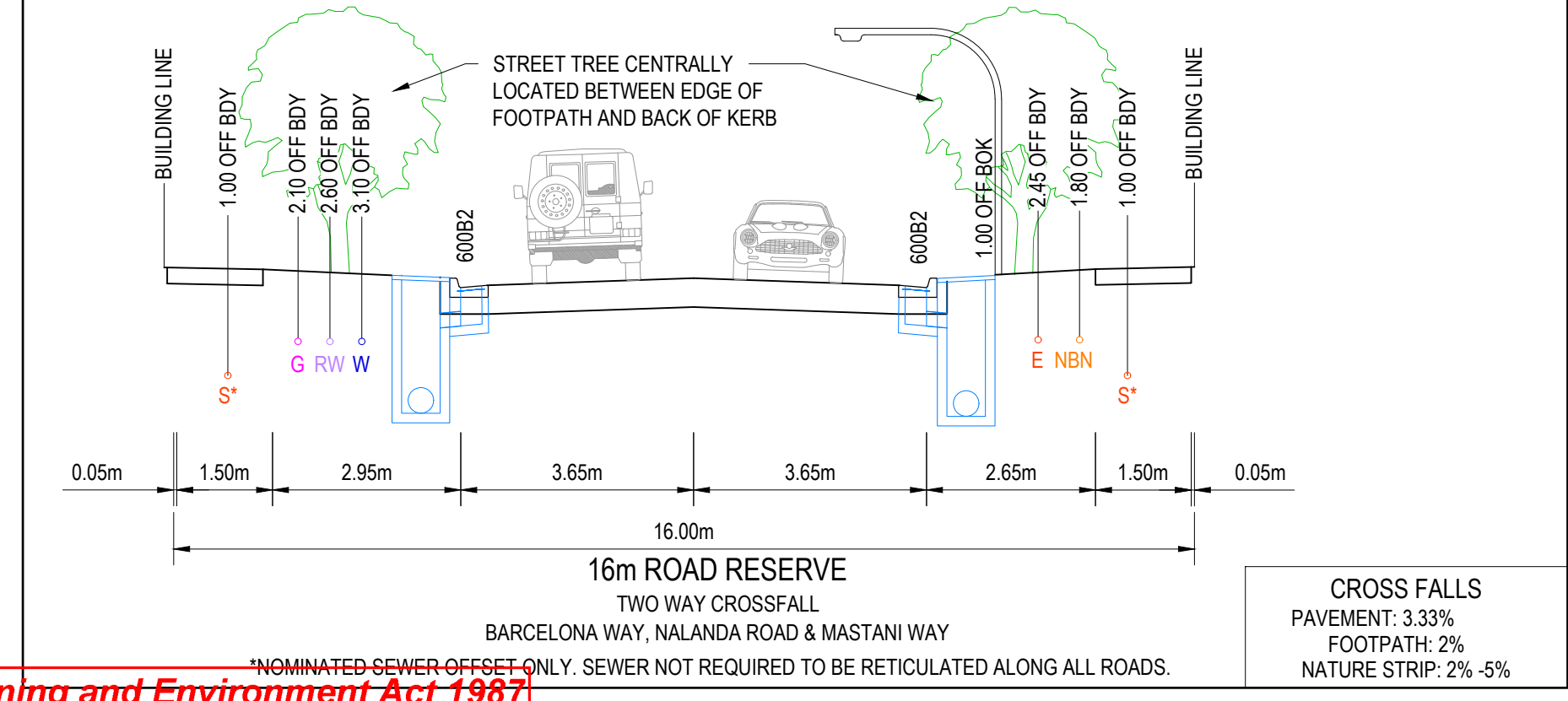
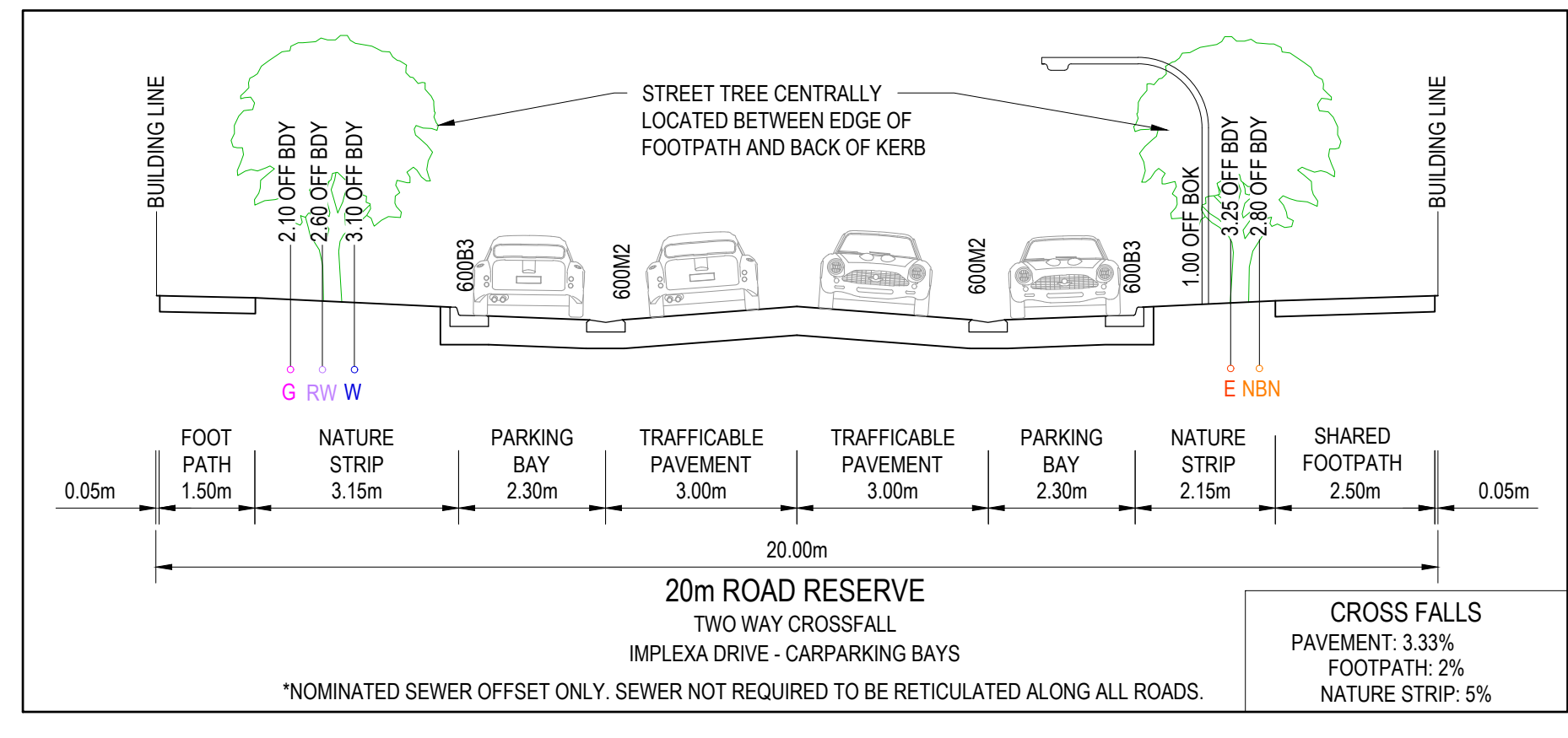
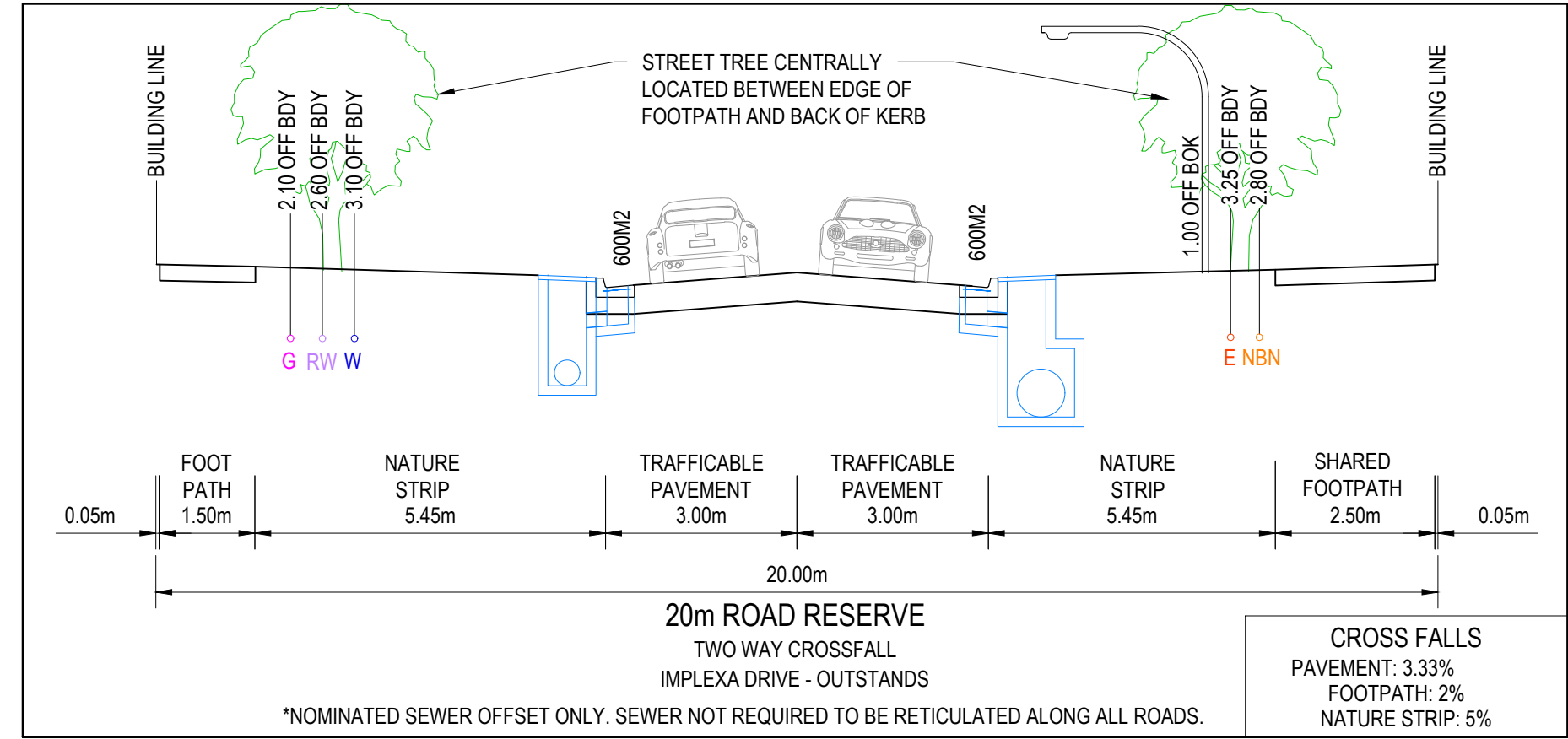
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DESIGNED	PROJECT ENGINEER	
I.HOGAN	M.TROUNCE	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.19	R100	0



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- EXISTING STORMWATER DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- HOUSE DRAIN
- TACTILE PAVERS
- FINISHED BUILDING LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- 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
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED PAVEMENT, KERB & CHANNEL
- FOOTPATH & DRIVEWAY
- 0.25m EXISTING CONTOUR
- RIDGE LINE
- TOE OF BATTER
- STORMWATER PIT SETOUT POINT



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP1081748
Date 2024/09/19

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	PIT 377 DOUBLE GEP	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

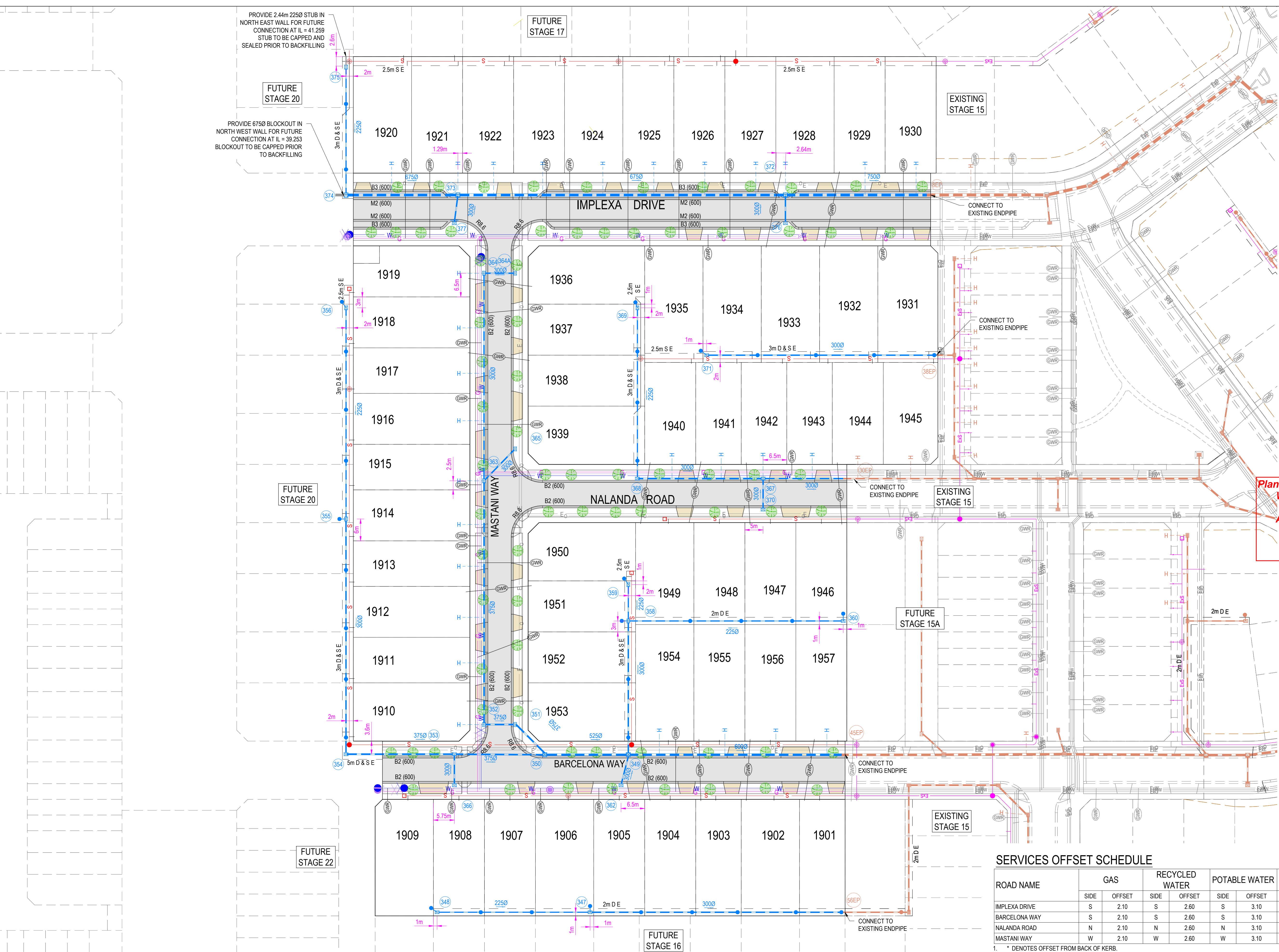
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

ALAMORA - STAGE 19
LAYOUT PLAN

ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:500

DESIGNED	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	200282.19	DRAWING No.	R200
		REVISION	0



LEGEND - SERVICES PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- EXISTING STORMWATER DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- HOUSE DRAIN
- SERVICE CONDUITS
- PROPOSED ELECTRICITY (UNDERGROUND)
- PROPOSED GAS
- PROPOSED OPTIC FIBRE
- PROPOSED TELSTRA
- PROPOSED WATER
- PROPOSED RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- 0.25m EXISTING CONTOUR
- STORMWATER PIT SETOUT POINT

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

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19**

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

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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
IMPLEXA DRIVE	S	2.10	S	2.60	S	3.10	N	2.80	N	3.25	N	1.00*
BARCELONA WAY	S	2.10	S	2.60	S	3.10	N	1.80	N	2.45	N	1.00*
NALANDA ROAD	N	2.10	N	2.60	N	3.10	S	1.80	S	2.45	S	1.00*
MASTANI WAY	W	2.10	W	2.60	W	3.10	E	1.80	E	2.45	E	1.00*

1. * DENOTES OFFSET FROM BACK OF KERB.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
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villawood properties
Communities Designed for Living

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

ALAMORA
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**ALAMORA - STAGE 19
SERVICES PLAN**

ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500

DESIGNED I.HOGAN	PROJECT ENGINEER M.TROUNCE
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.19	DRAWING No. R201
	REVISION 0

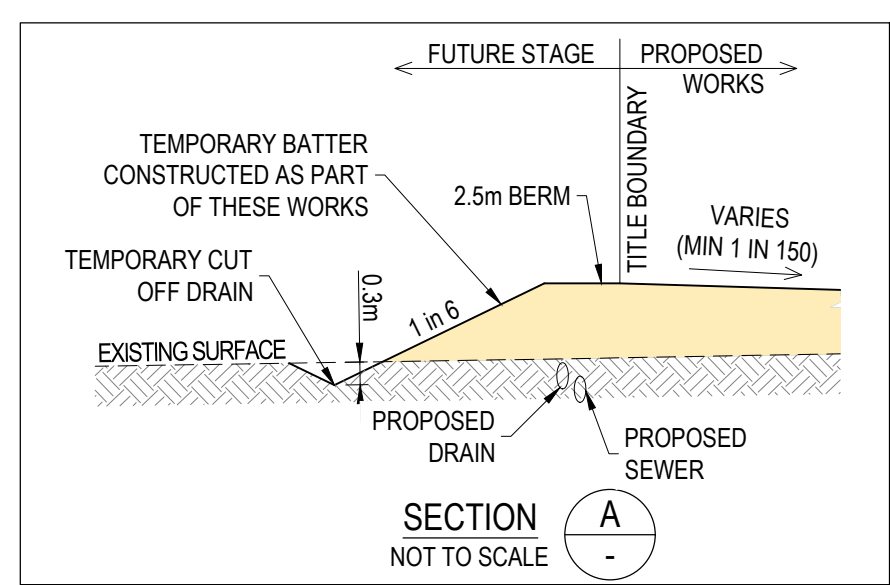
LEGEND - EARTHWORKS PLAN

- 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



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

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19**



WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES

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A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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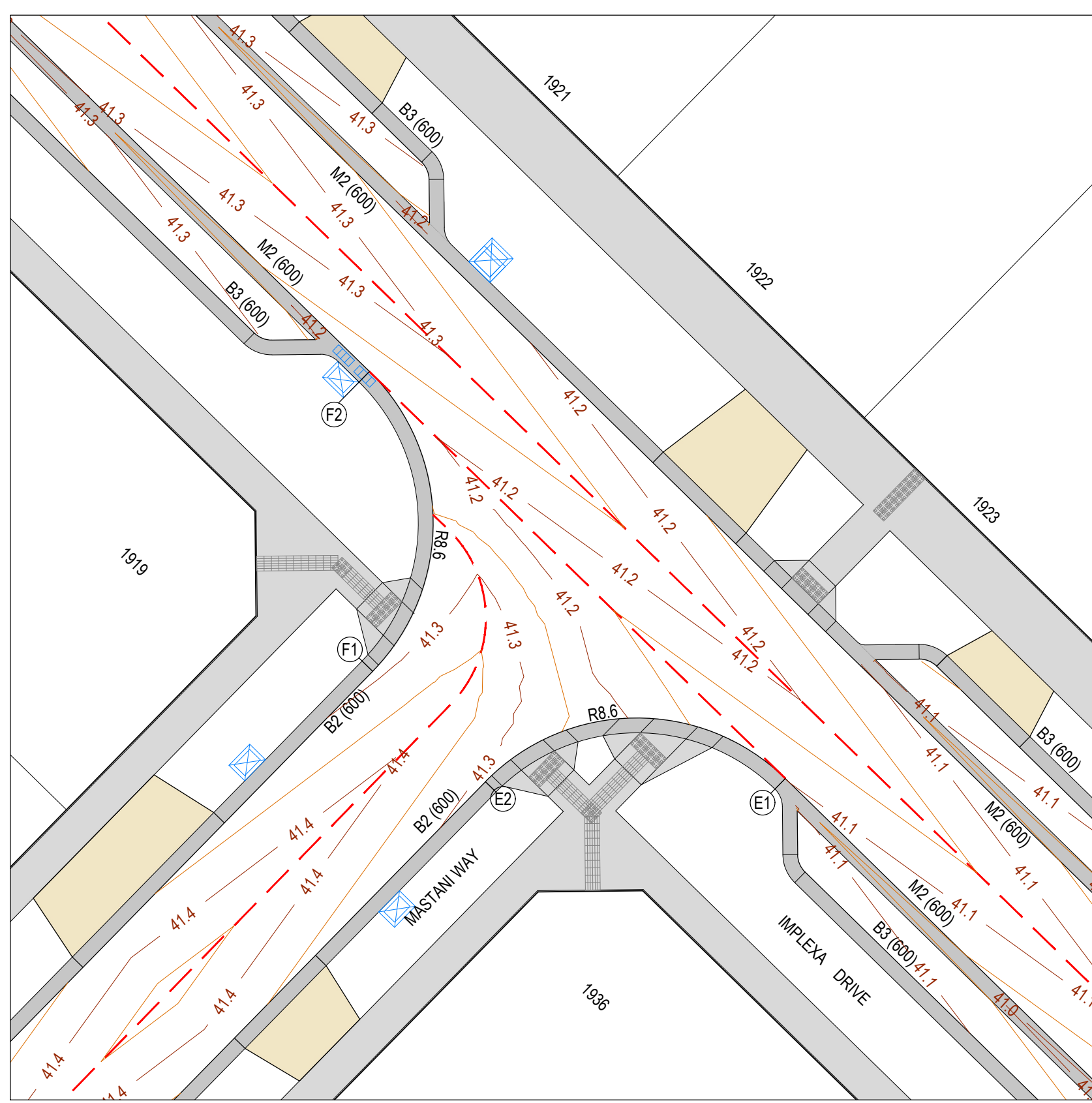
ALAMORA
Partners

DRAWING TITLE
ALAMORA - STAGE 19
EARTHWORKS PLAN

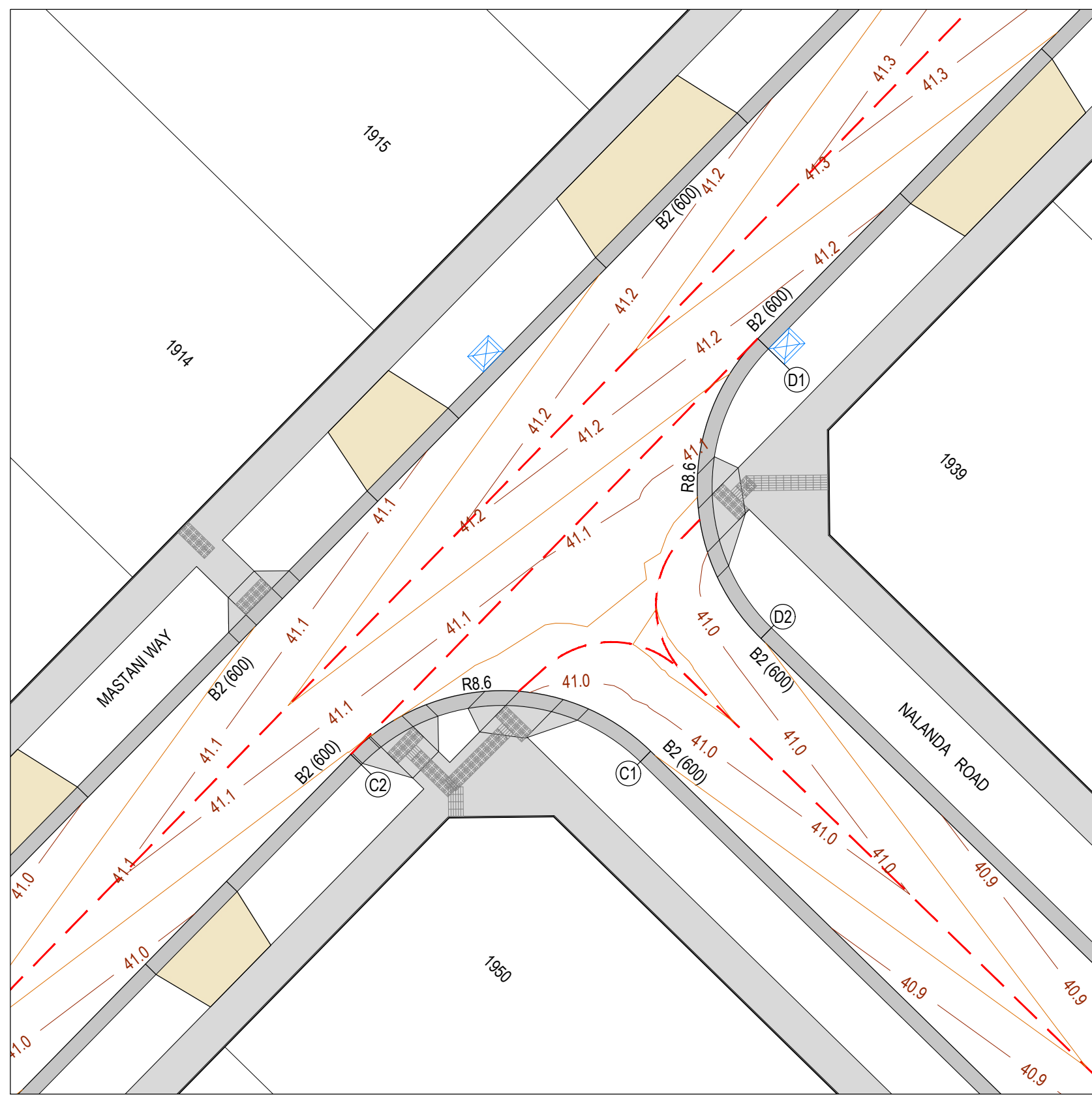
STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:500

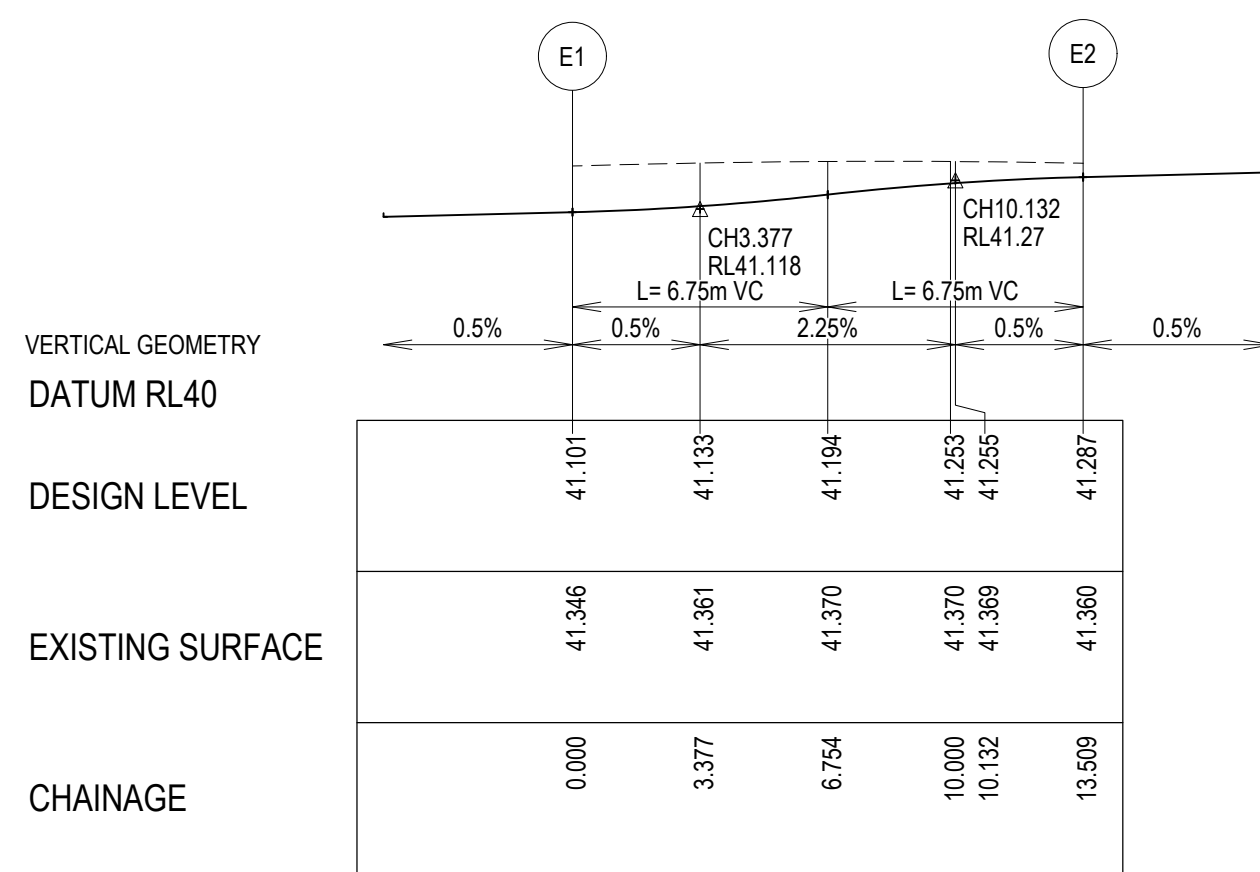
DESIGNED I.HOGAN	PROJECT ENGINEER M.TROUNCE
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.19	DRAWING No. R202
	REVISION 0



IMPREXA DRIVE & MASTANI WAY INTERSECTION



NALANDA ROAD & MASTANI WAY INTERSECTION

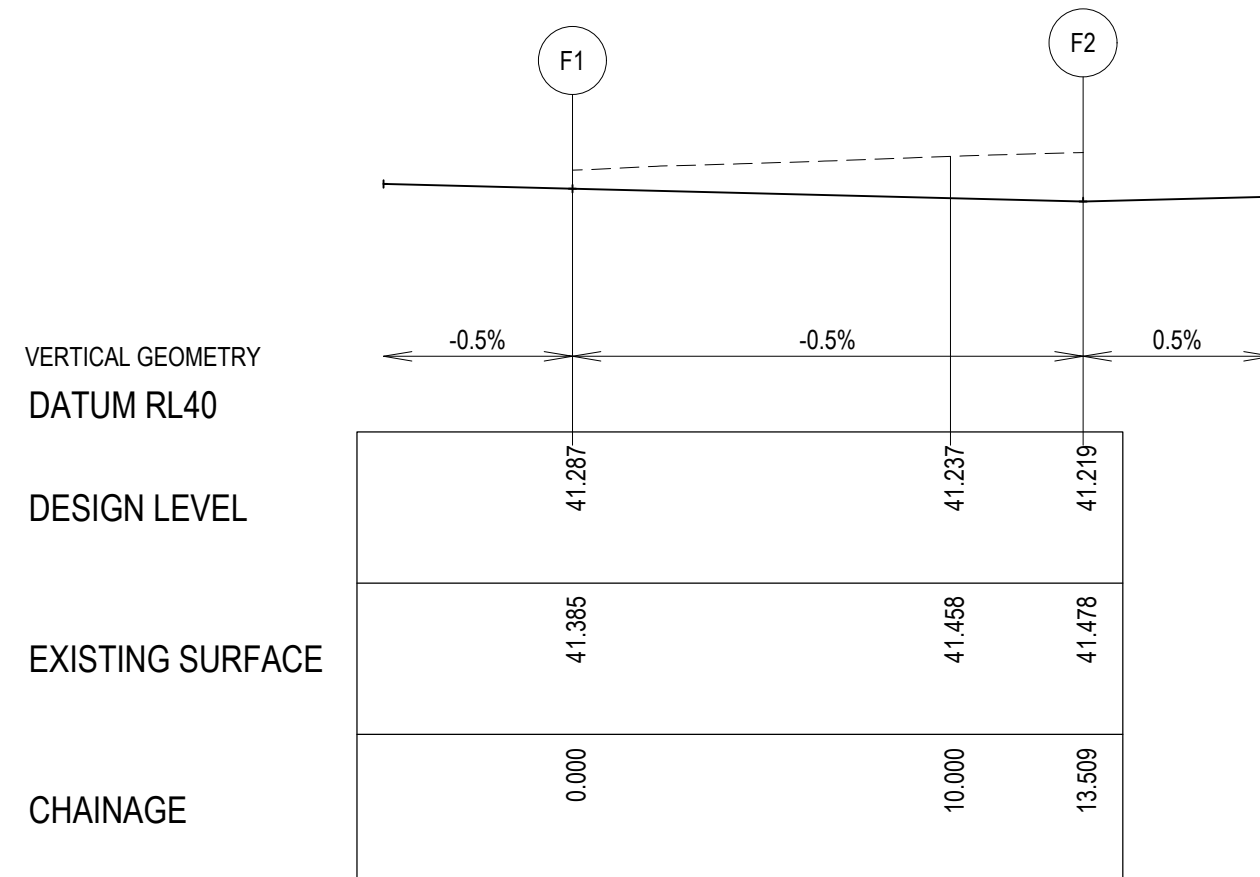


LIP LINE E

ALIGNMENT E

PT NO	EASTING	NORTHING	RL
E1	292149.926	5807810.487	41.101
E2	292137.764	5807810.356	41.287

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
E1-E2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	41.194

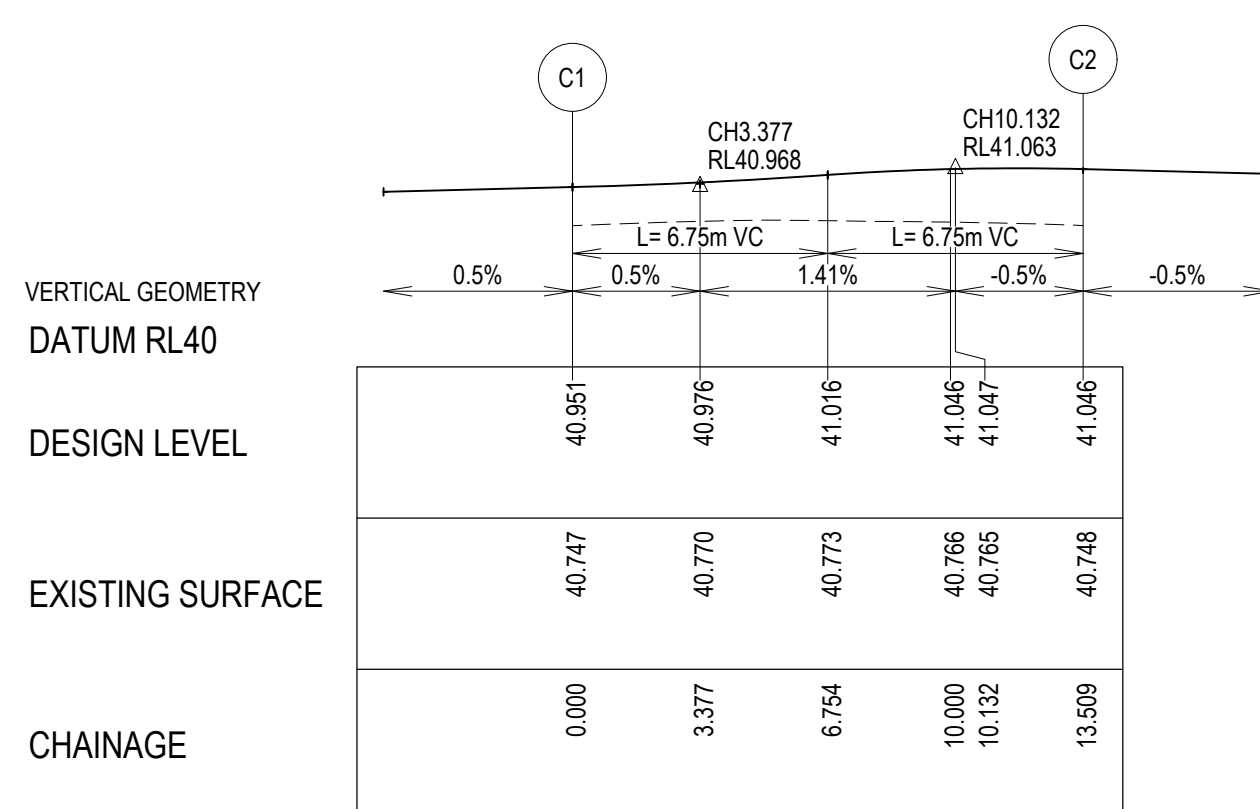


LIP LINE F

ALIGNMENT F

PT NO	EASTING	NORTHING	RL
F1	292133.19	5807814.832	41.287
F2	292133.059	5807826.994	41.219

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
F1-F2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	41.253

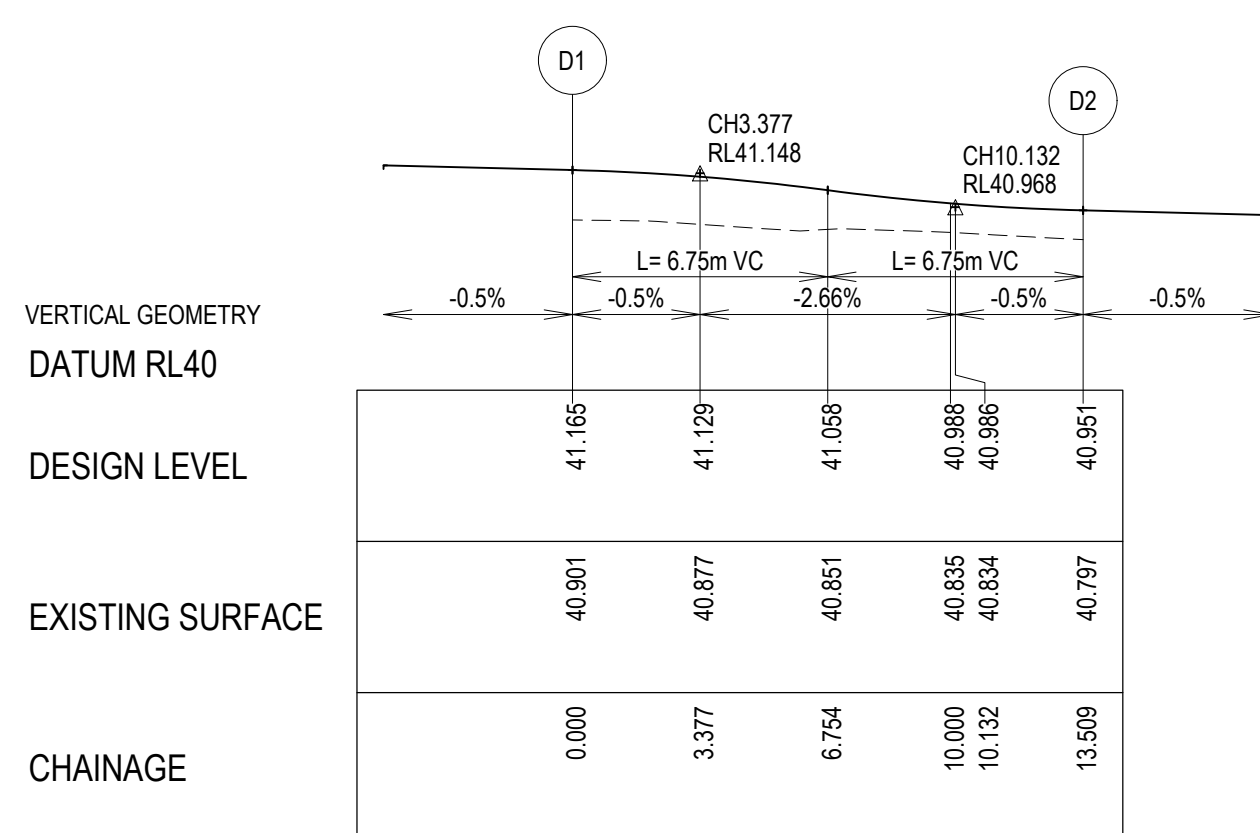


LIP LINE C

ALIGNMENT C

PT NO	EASTING	NORTHING	RL
C1	292094.913	5807754.278	40.951
C2	292082.752	5807754.147	41.046

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
C1-C2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	41.016



LIP LINE D

ALIGNMENT D

PT NO	EASTING	NORTHING	RL
D1	292099.259	5807771.013	41.165
D2	292099.39	5807758.851	40.951

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
D1-D2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	41.058

LEGEND - INTERSECTION PLAN

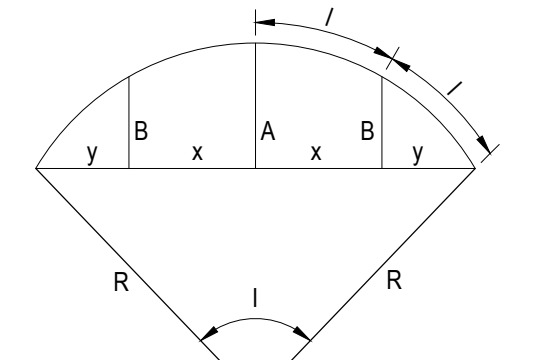
- STORMWATER DRAIN & PIT
- TACTILE PAVERS
- PROPOSED PAVEMENT, KERB & CHANNEL
- FOOTPATH & DRIVEWAY
- CROWN
- MINOR CONTOUR
- MAJOR CONTOUR

LEGEND - SECTION

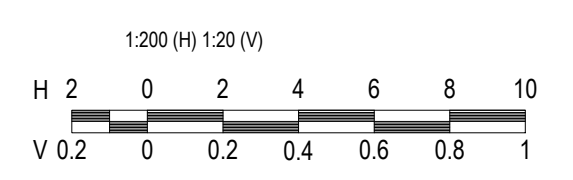
- EXISTING SURFACE
- DESIGN LINE

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

NOTE
 FOR SIGNS & LINEMARKING PLAN
 REFER SHEETS R800.



LIP PROFILE SETOUT



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

villawood properties
 Communities Designed for Living

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

ALAMORA
Tarnait

ALAMORA - STAGE 19
INTERSECTION DETAILS - 1

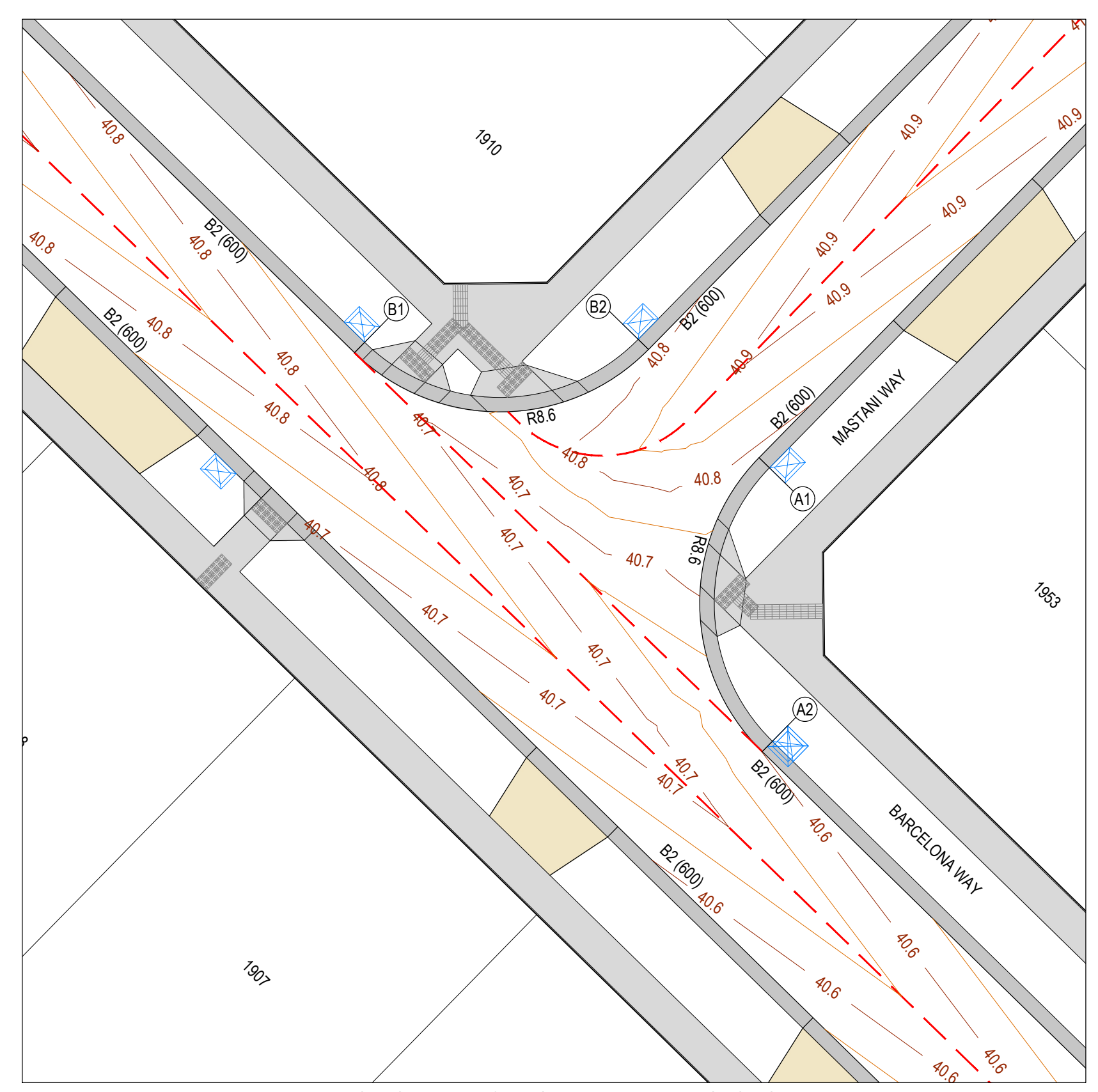
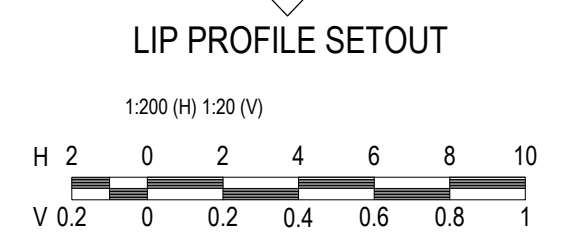
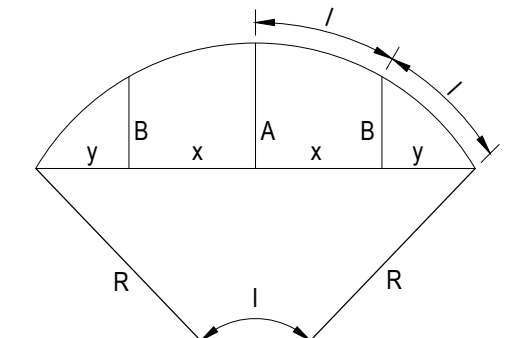
ISSUED FOR CONSTRUCTION
 SCALE @ A1:
AS SHOWN

DESIGNED	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	200282.19	DRAWING No.	R300
REVISION	0		

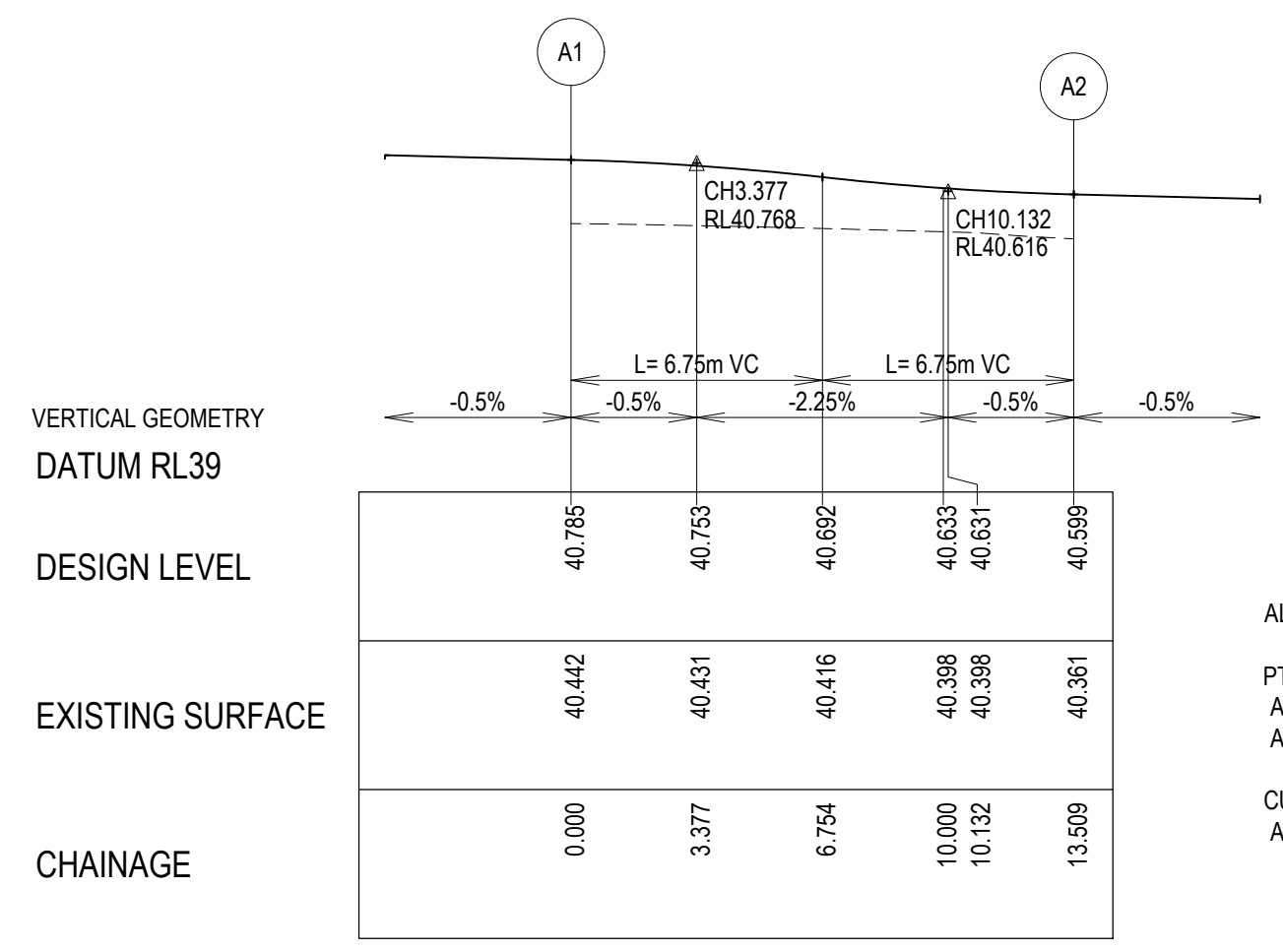
LEGEND - INTERSECTION PLAN	
	STORMWATER DRAIN & PIT
	TACTILE PAVERS
	PROPOSED PAVEMENT, KERB & CHANNEL
	FOOTPATH & DRIVEWAY
	CROWN
	MINOR CONTOUR
	MAJOR CONTOUR
LEGEND - SECTION	
	EXISTING SURFACE
	DESIGN LINE

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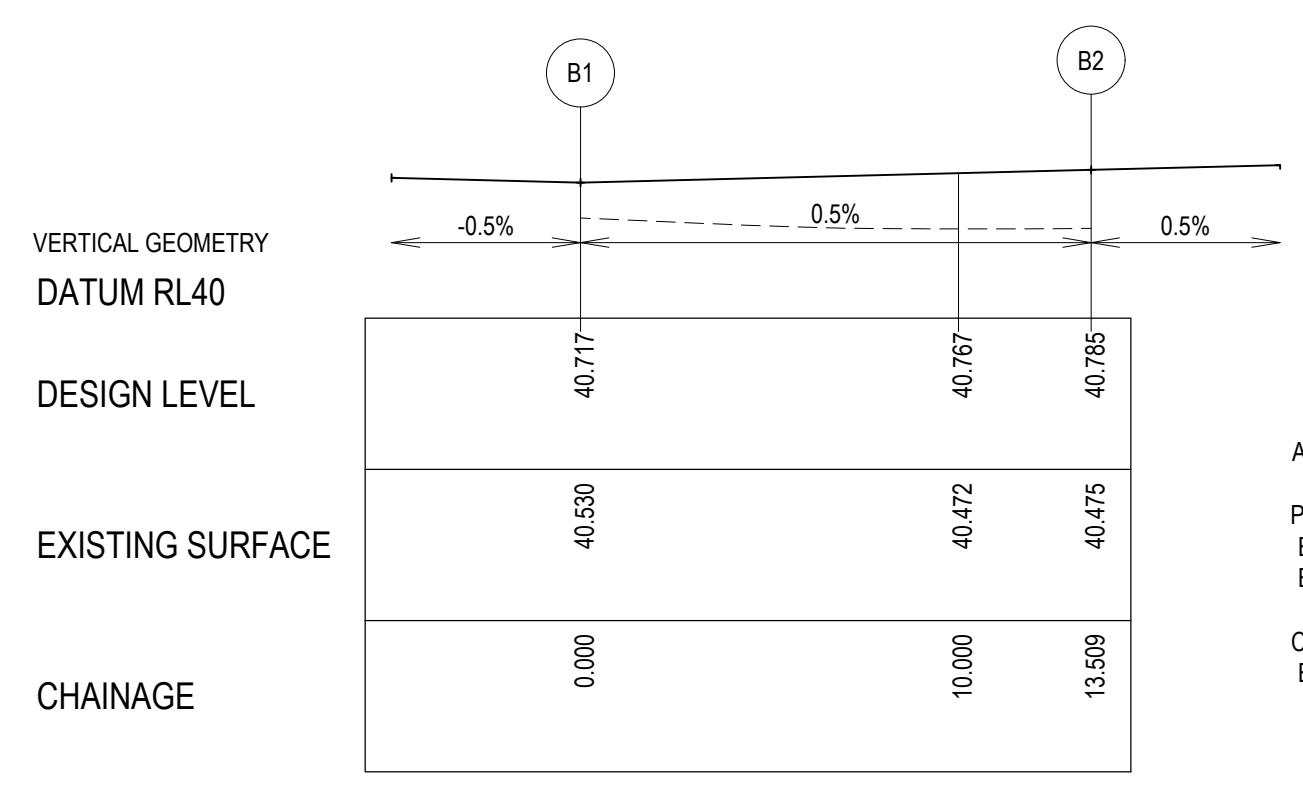
BARCELONA WAY & MASTANI WAY INTERSECTION



ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	292046.31	5807716.912	40.785
A2	292046.441	5807704.751	40.599

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
A1 - A2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	40.692



ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	292029.574	5807721.258	40.717
B2	292041.736	5807721.389	40.785

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
B1 - B2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	40.751

Planning and Environment Act 1987
Wyndham Planning Scheme

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B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 19
INTERSECTION DETAILS - 2

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1:

AS SHOWN

DESIGNED

I.HOGAN

DRAWN

I.HOGAN

PROJECT ENGINEER

M.TROUNCE

PROJECT MANAGER

M.TROUNCE

PROJECT No.

200282.19

DRAWING No.

R301

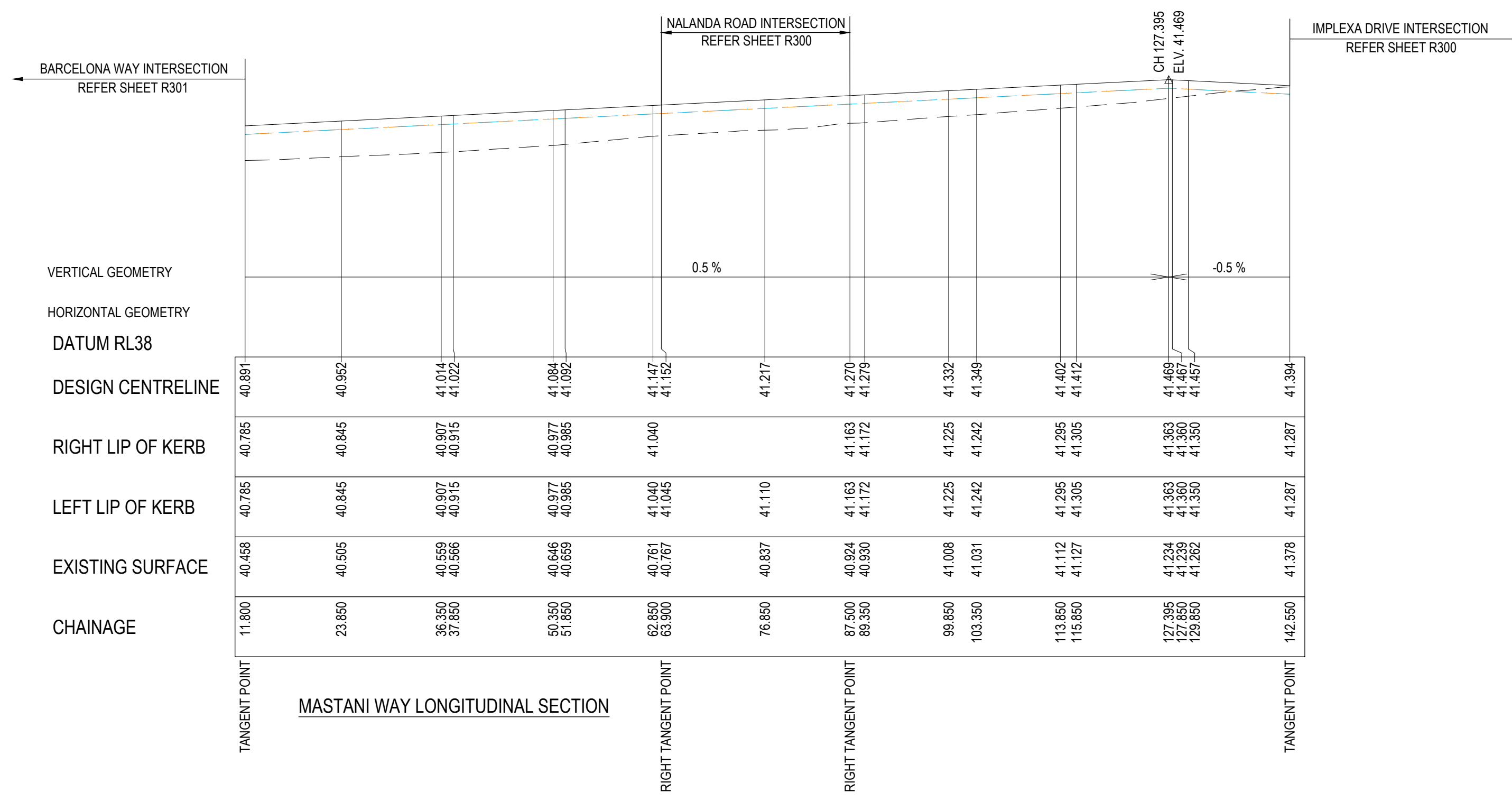
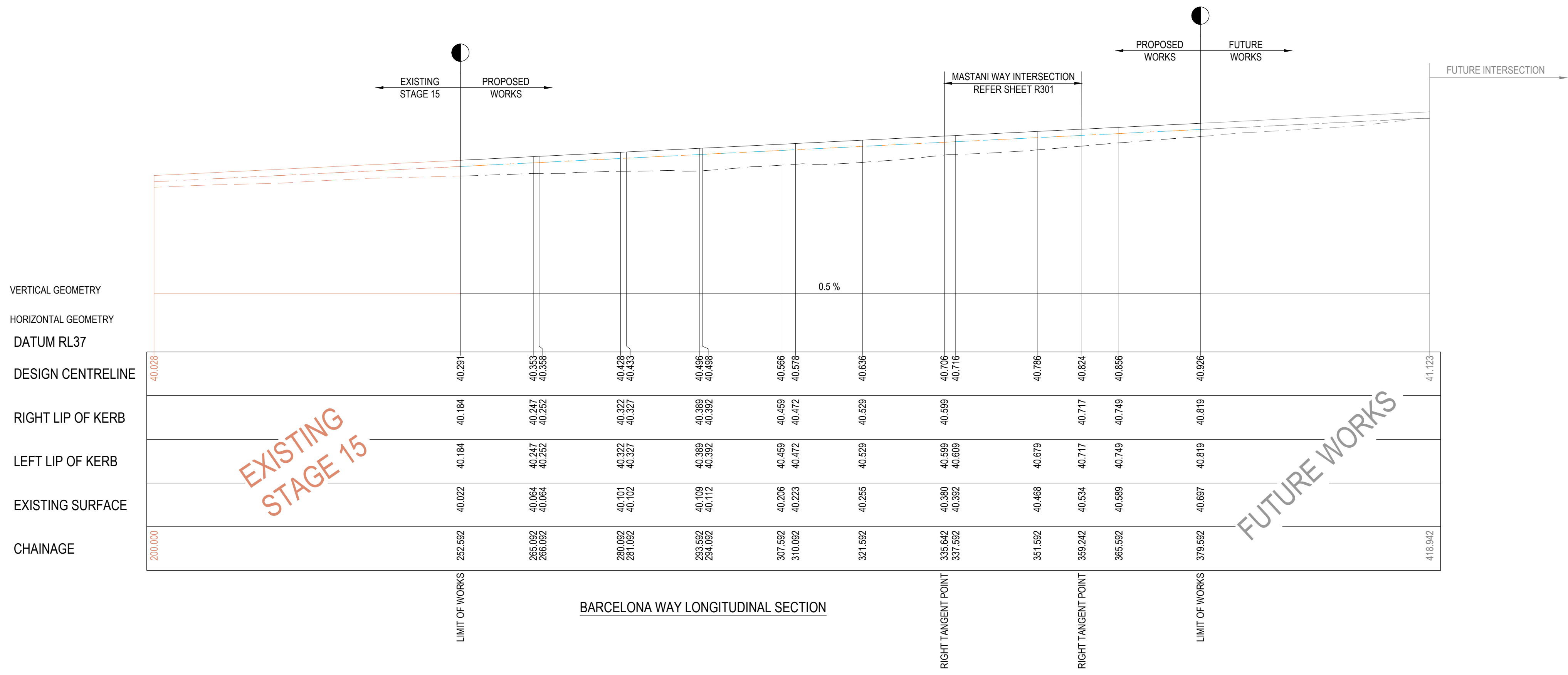
REVISION

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

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CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 19
ROAD LONGITUDINAL SECTIONS - 1

STATUS

ISSUED FOR CONSTRUCTION

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

DESIGNED

I.HOGAN

PROJECT ENGINEER

M.TROUNCE

DRAWN

I.HOGAN

PROJECT MANAGER

M.TROUNCE

PROJECT No.

200282.19

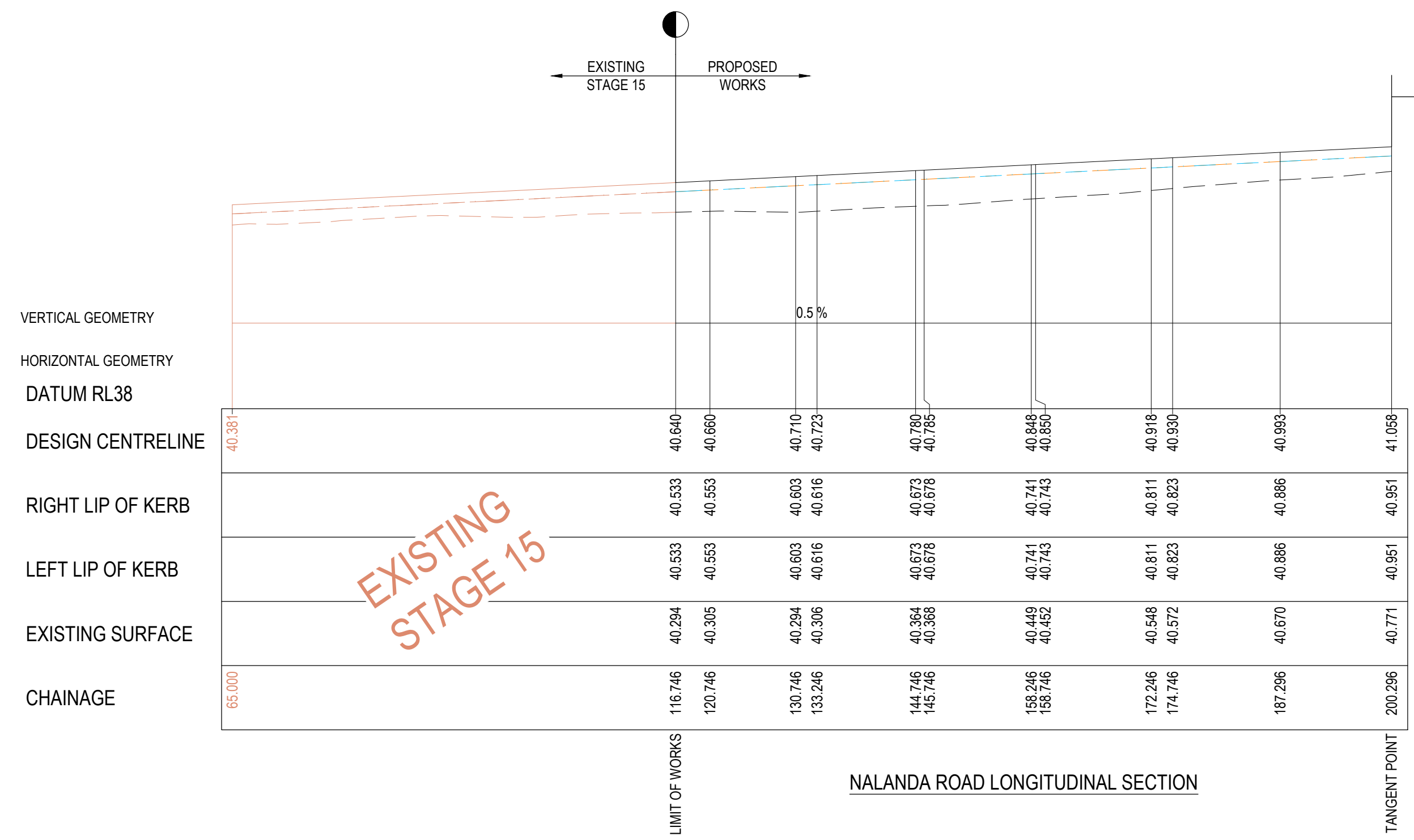
DRAWING No.

R400

REVISION

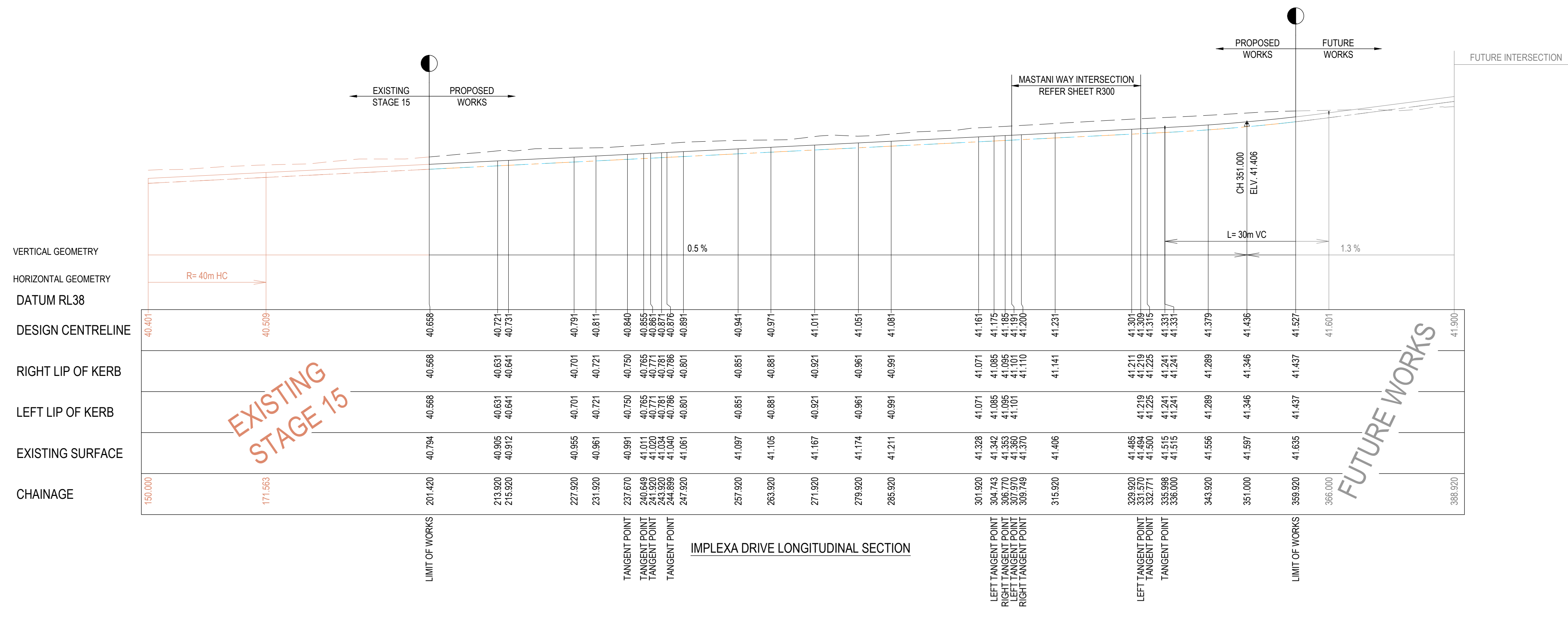
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING DESIGN LINE
	LEFT LIP OF KERB
	RIGHT LIP OF KERB
NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL	



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

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19**



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CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

**ALAMORA - STAGE 19
ROAD LONGITUDINAL SECTIONS - 2**

STATUS

ISSUED FOR CONSTRUCTION

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

DESIGNED

I.HOGAN

PROJECT ENGINEER

M.TROUNCE

DRAWN

I.HOGAN

PROJECT MANAGER

M.TROUNCE

PROJECT No.

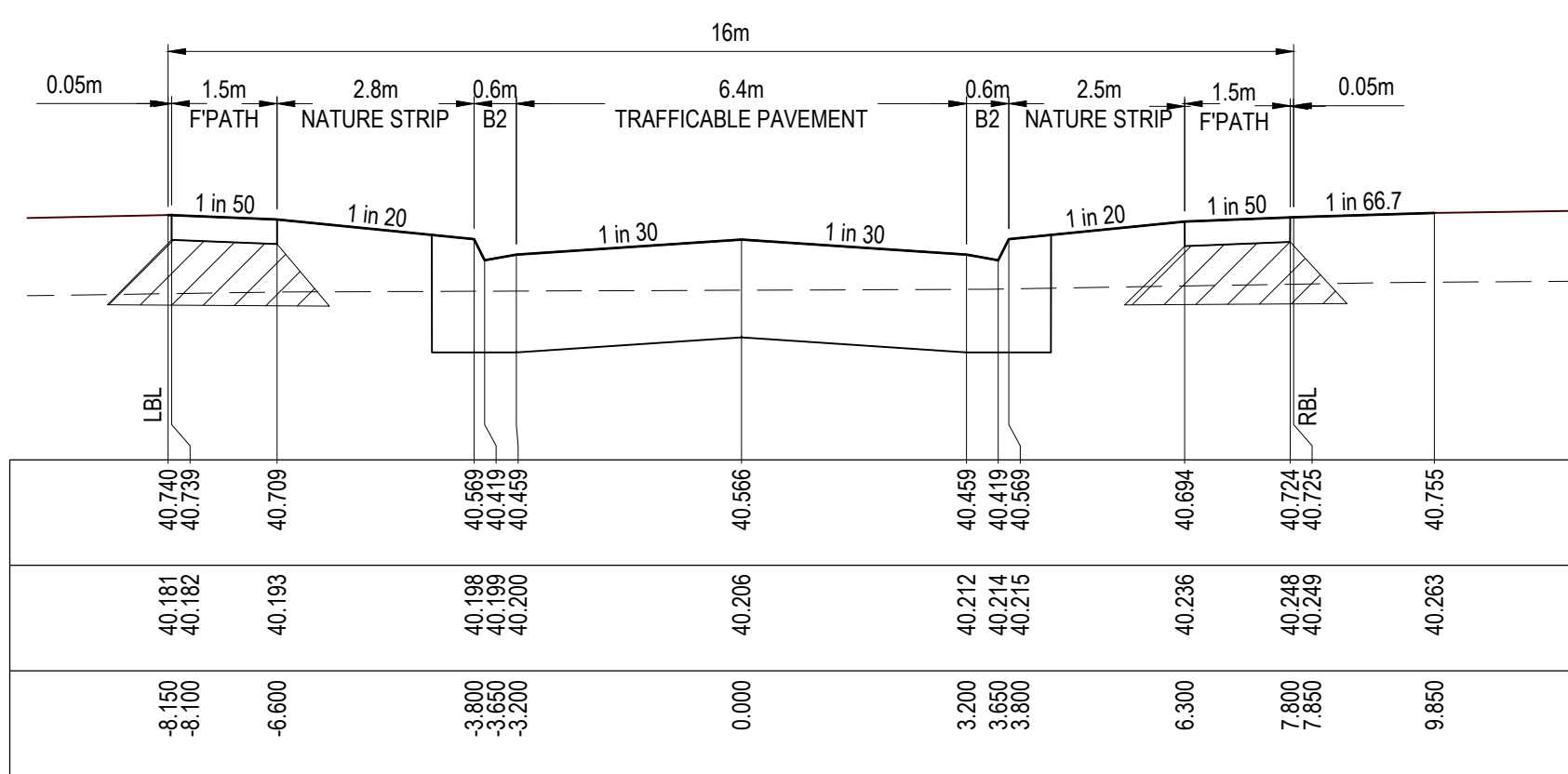
200282.19

DRAWING No.

R401

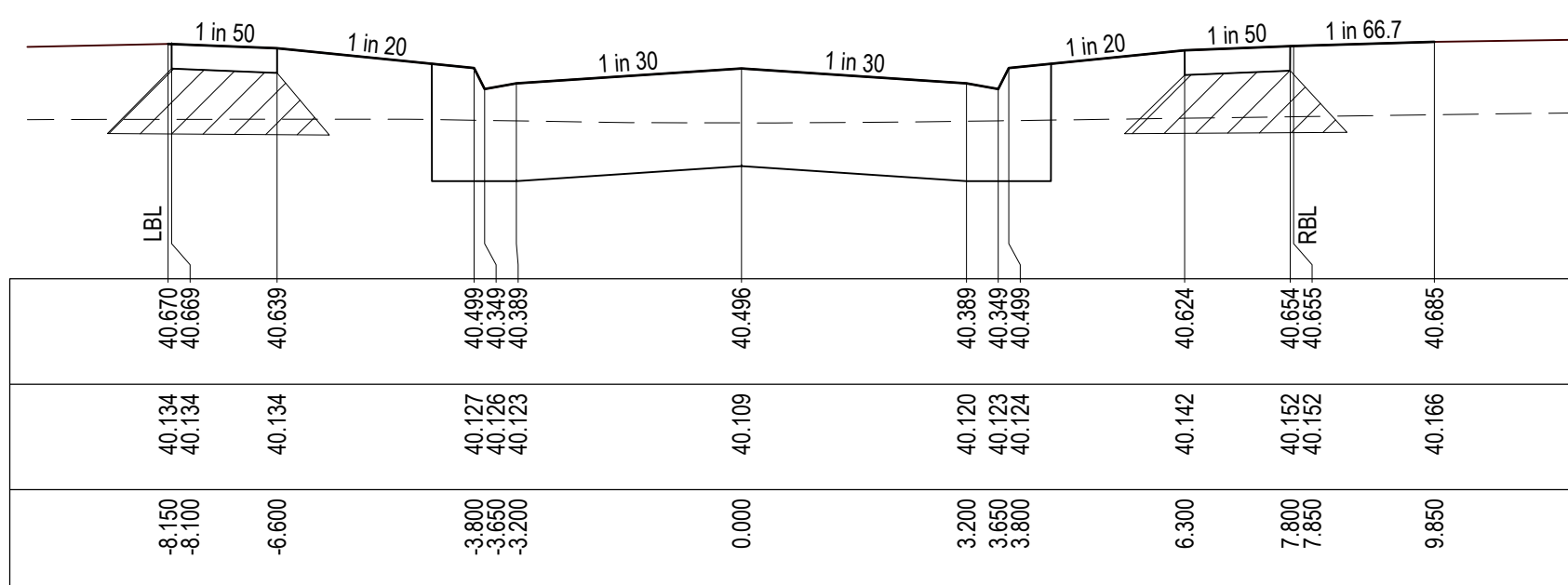
REVISION

0



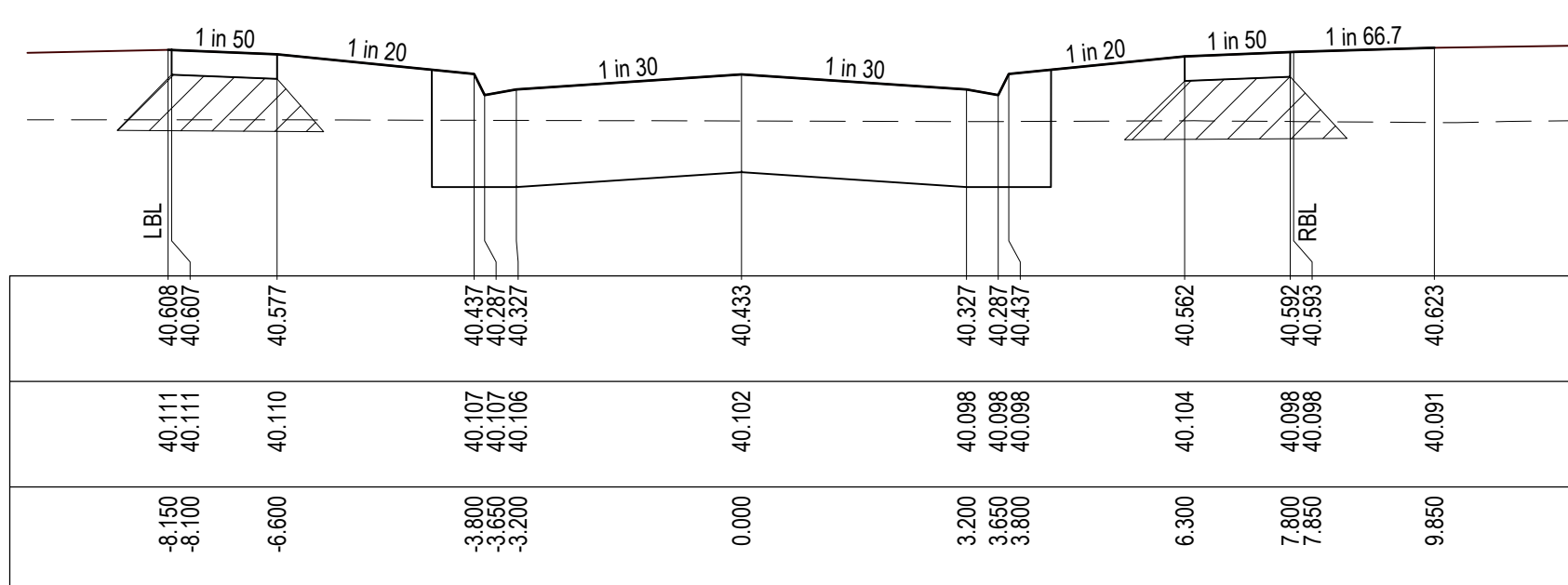
DATUM39.0										
DESIGN SURFACE	40.710	40.730	40.569	40.419	40.566	40.499	40.514	40.694	40.724	40.755
EXISTING SURFACE	40.161	40.182	40.193	40.198	40.206	40.212	40.219	40.236	40.249	40.263
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.600	9.850

CH 307.592



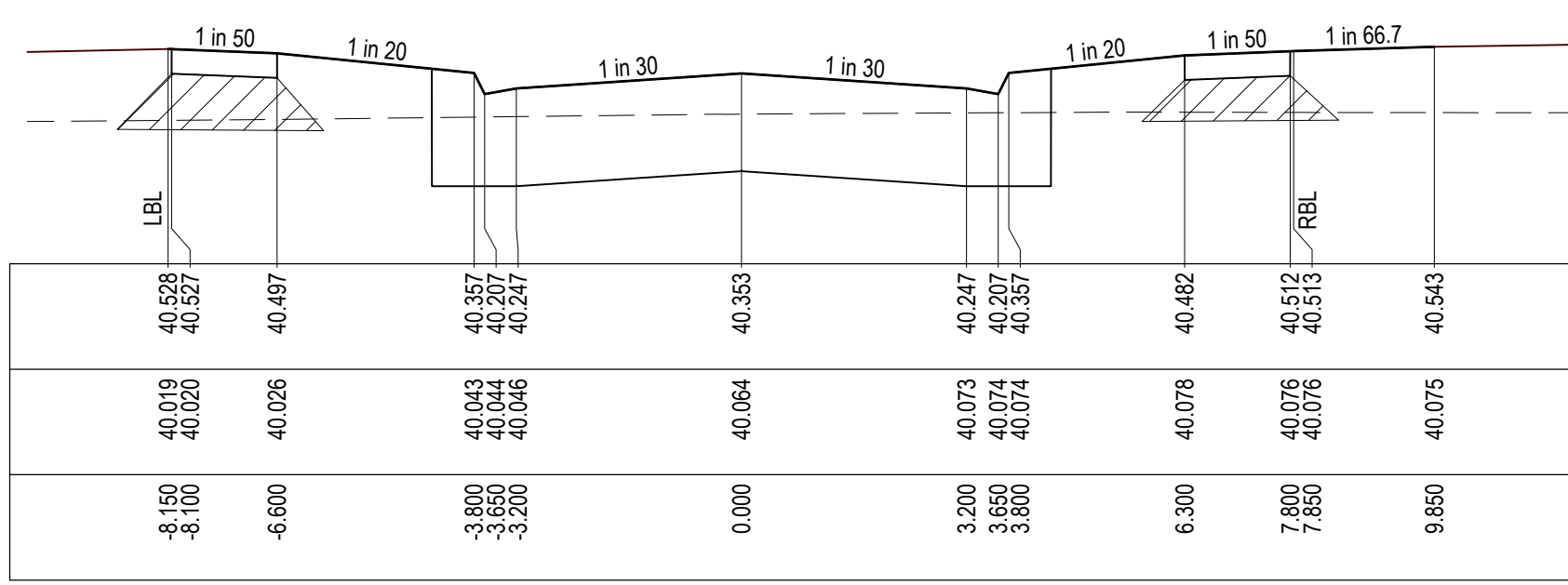
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DESIGN SURFACE	40.670	40.680	40.639	40.499	40.496	40.389	40.349	40.624	40.654	40.685
EXISTING SURFACE	40.134	40.134	40.127	40.123	40.109	40.120	40.123	40.142	40.152	40.166
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.600	9.850

CH 293.592



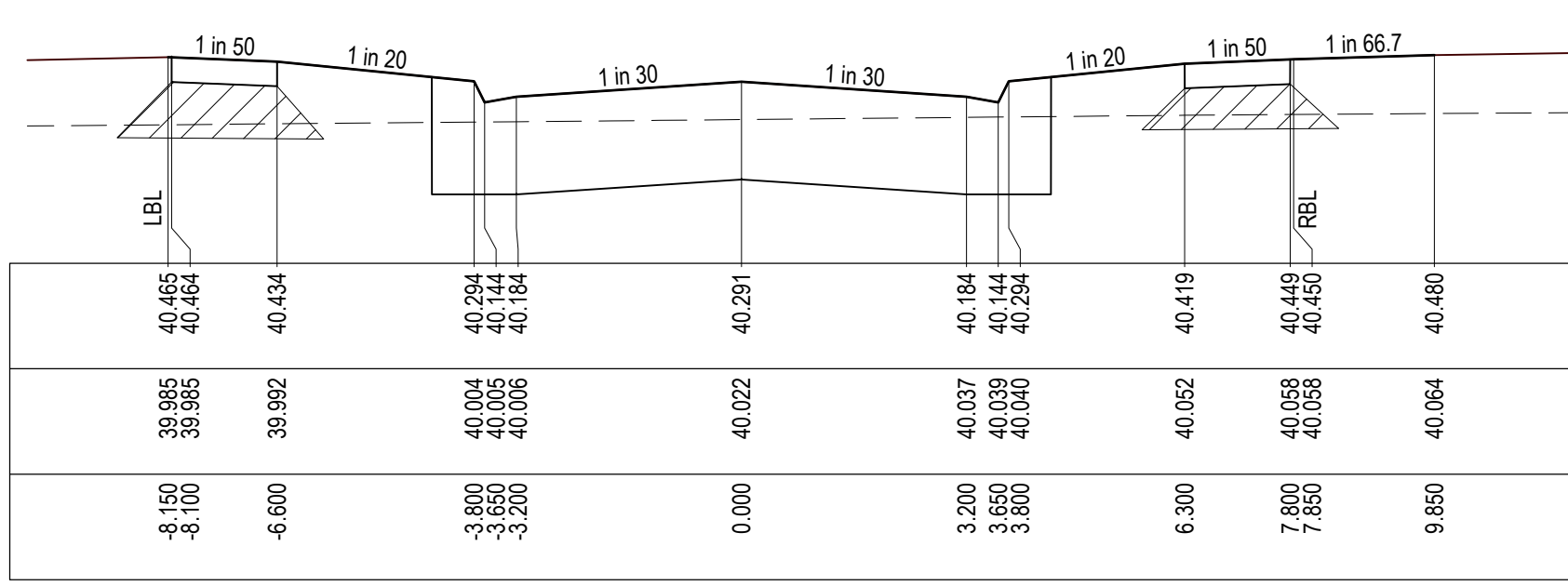
DATUM39.0										
DESIGN SURFACE	40.689	40.697	40.577	40.437	40.433	40.327	40.287	40.562	40.592	40.623
EXISTING SURFACE	40.111	40.111	40.110	40.107	40.102	40.098	40.098	40.104	40.098	40.091
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.600	9.850

CH 281.092



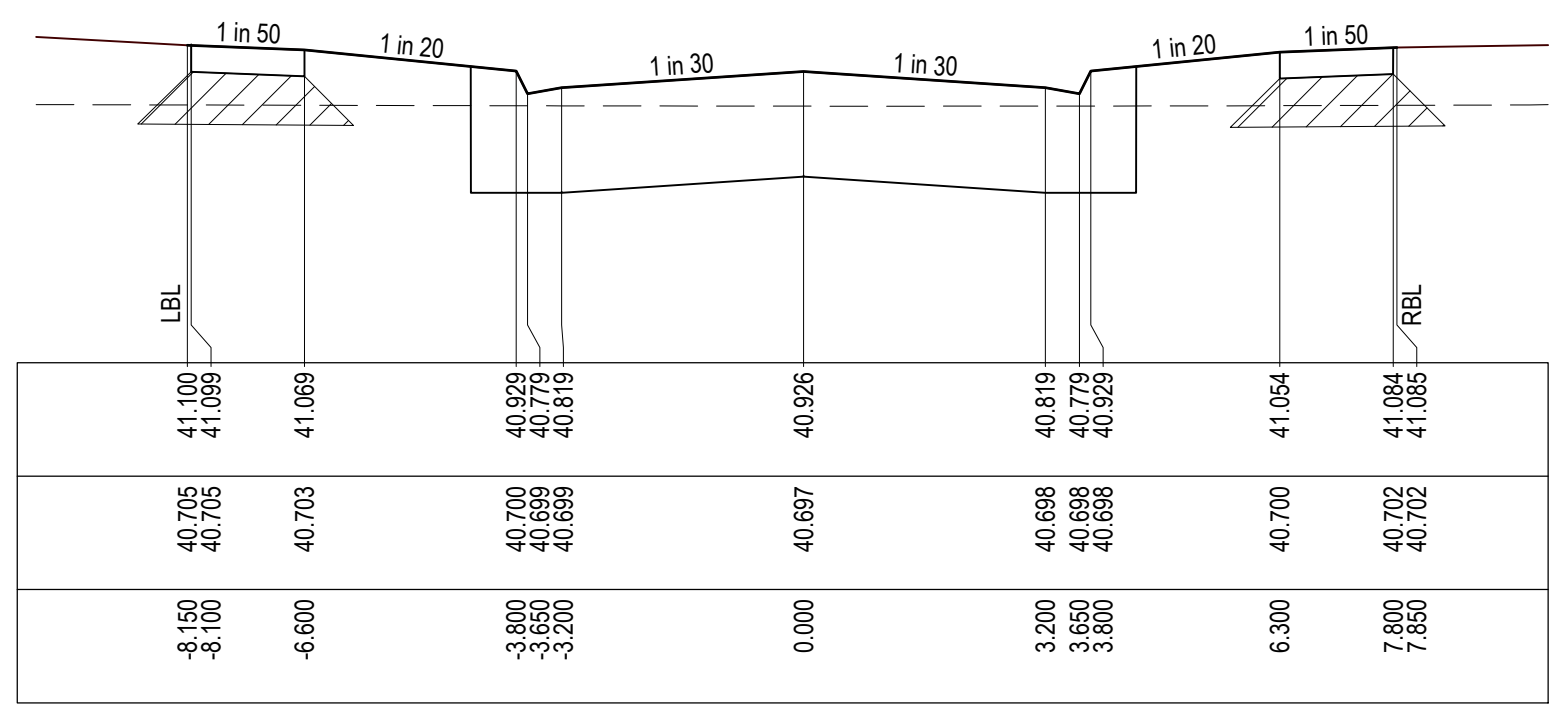
DATUM39.0										
DESIGN SURFACE	40.629	40.627	40.497	40.357	40.353	40.247	40.207	40.482	40.512	40.543
EXISTING SURFACE	40.016	40.020	40.026	40.043	40.064	40.073	40.074	40.078	40.076	40.075
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.600	9.850

CH 265.092



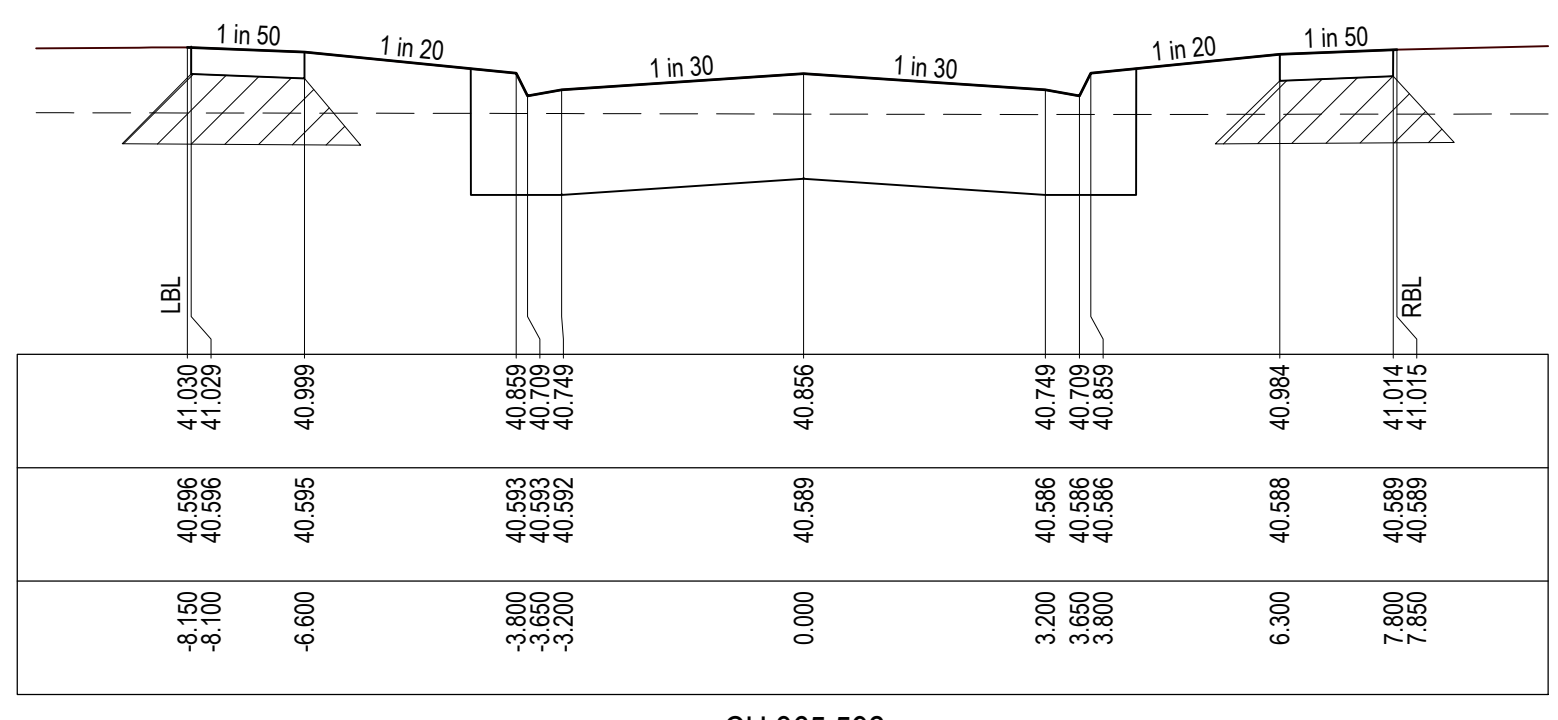
DATUM39.0										
DESIGN SURFACE	40.655	40.664	40.434	40.294	40.291	40.184	40.144	40.419	40.449	40.480
EXISTING SURFACE	39.285	39.285	39.282	40.004	40.022	40.037	40.039	40.052	40.058	40.064
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.600	9.850

LIMIT OF WORKS CH 252.592



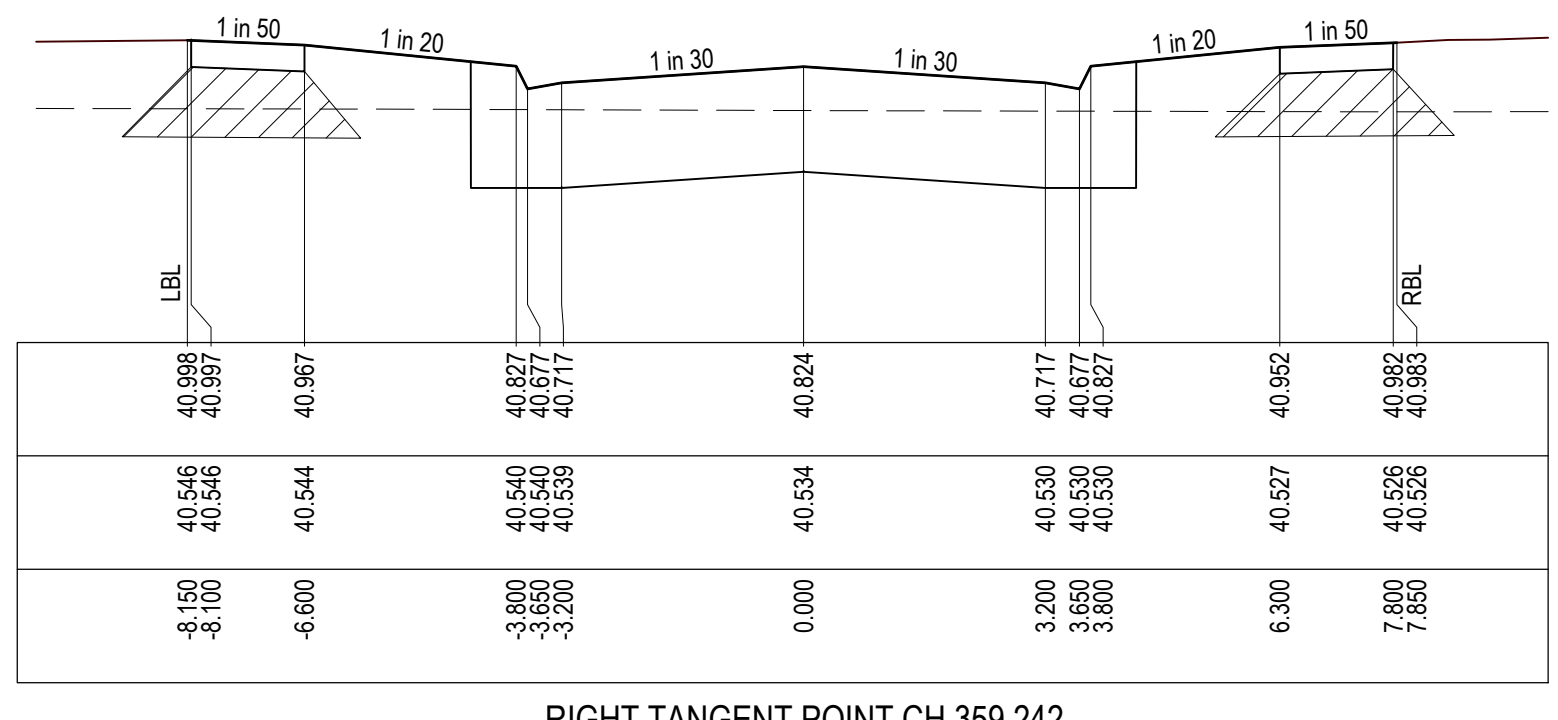
DATUM39.0										
DESIGN SURFACE	41.100	41.099	41.069	40.929	40.926	40.819	40.819	41.054	41.084	41.115
EXISTING SURFACE	40.705	40.705	40.703	40.700	40.697	40.698	40.698	40.700	40.702	40.702
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.800	9.850

LIMIT OF WORKS CH 379.592



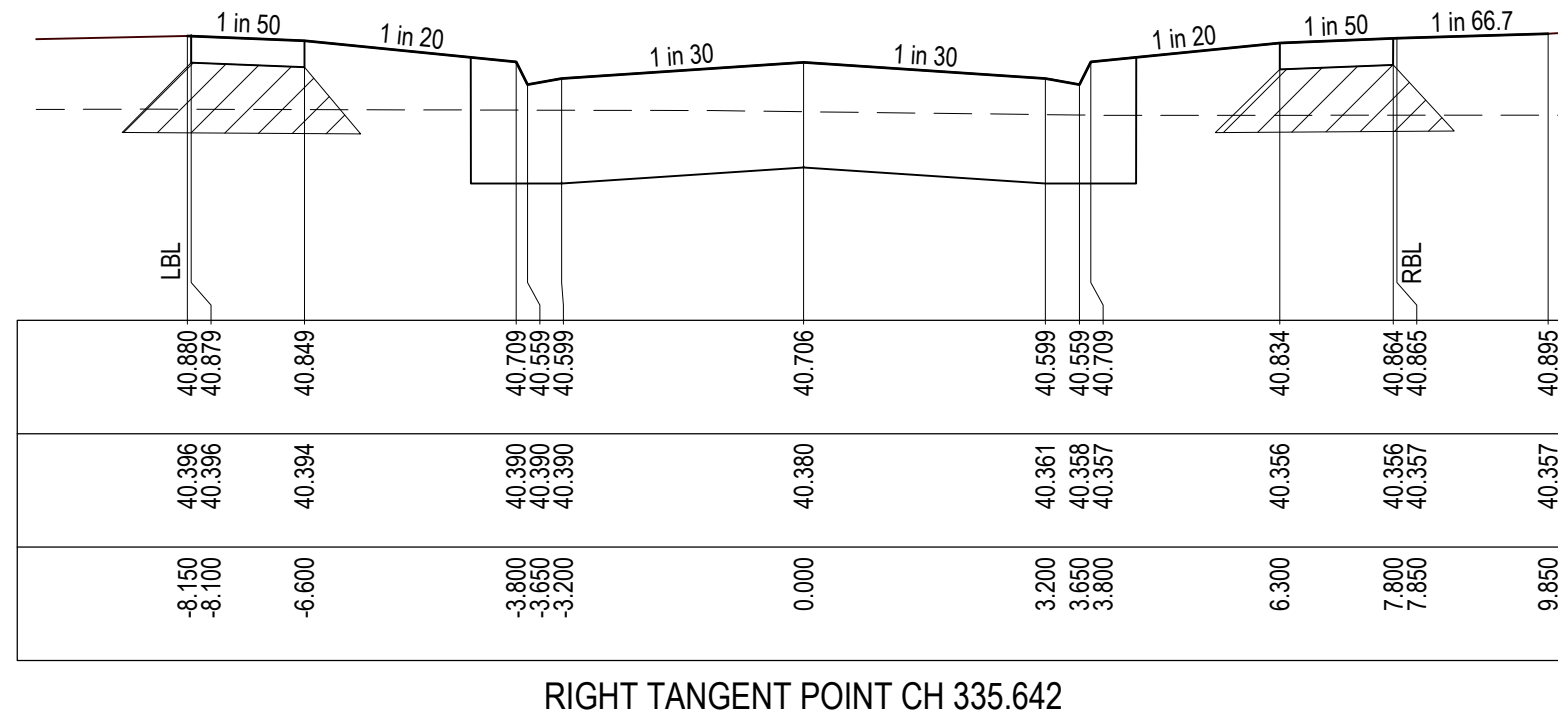
DATUM39.0										
DESIGN SURFACE	41.030	41.029	40.999	40.859	40.856	40.749	40.749	40.984	41.014	41.015
EXISTING SURFACE	40.596	40.596	40.595	40.593	40.589	40.586	40.586	40.588	40.589	40.589
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.800	9.850

CH 365.592



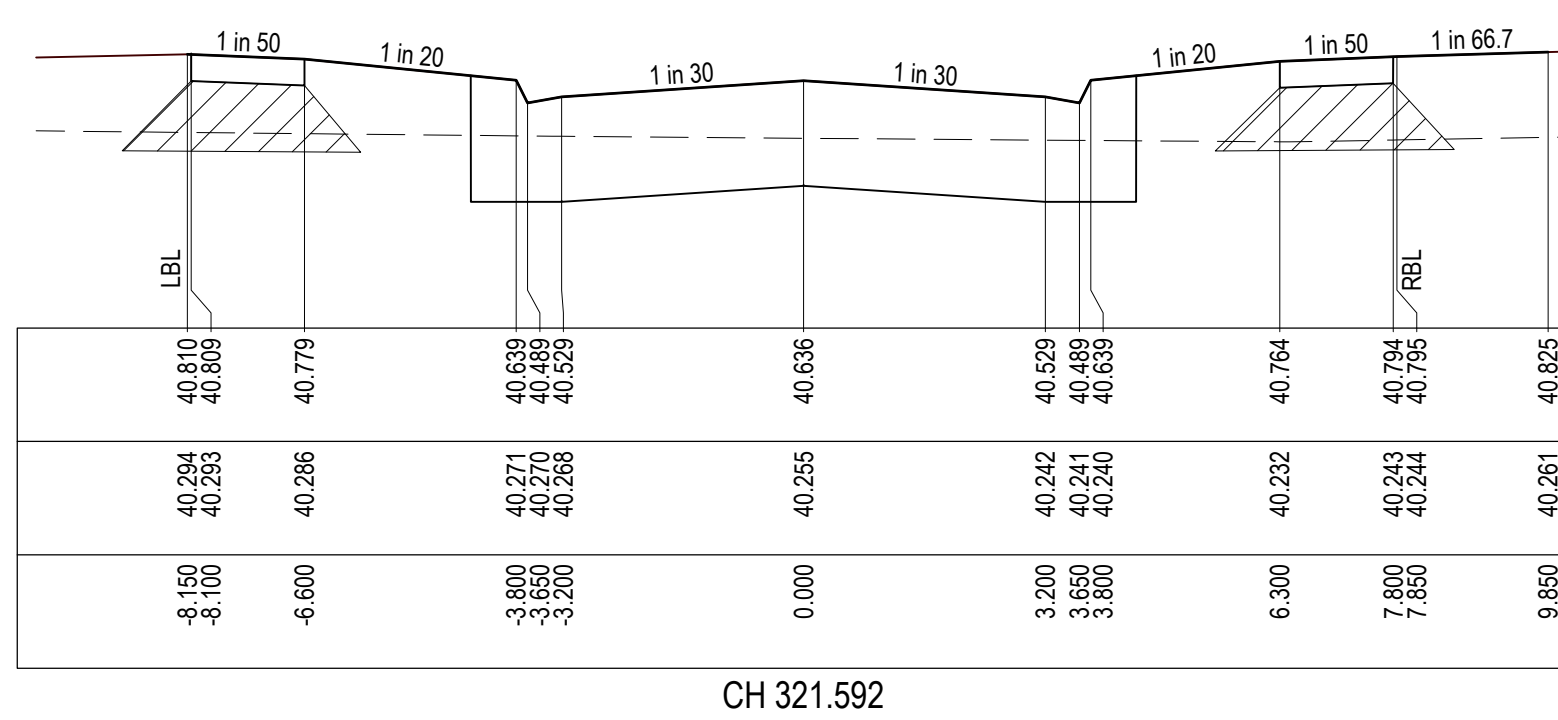
DATUM39.0										
DESIGN SURFACE	40.989	40.987	40.967	40.827	40.824	40.717	40.717	40.952	40.982	40.983
EXISTING SURFACE	40.546	40.546	40.544	40.540	40.534	40.530	40.530	40.527	40.526	40.526
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.800	9.850

RIGHT TANGENT POINT CH 359.242



DATUM39.0										
DESIGN SURFACE	40.880	40.879	40.849	40.709	40.706	40.599	40.599	40.834	40.864	40.895
EXISTING SURFACE	40.396	40.396	40.394	40.390	40.390	40.391	40.398	40.396	40.395	40.397
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.800	9.850

RIGHT TANGENT POINT CH 335.642



DATUM39.0										
DESIGN SURFACE	40.810	40.809	40.779	40.639	40.636	40.529	40.529	40.764	40.794	40.825
EXISTING SURFACE	40.294	40.293	40.286	40.271	40.265	40.242	40.241	40.232	40.243	40.261
OFFSET	-8.150	-8.100	-6.600	-3.800	0.000	3.200	3.650	6.300	7.800	9.850

CH 321.592

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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

Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

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C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

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

PROJECT

DRAWING TITLE
ALAMORA - STAGE 19
ROAD CROSS SECTIONS - 1
BARCELONA WAY

STATUS

ISSUED FOR CONSTRUCTION

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

DESIGNED	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	200282.19	DRAWING No.	R500
REVISION			0

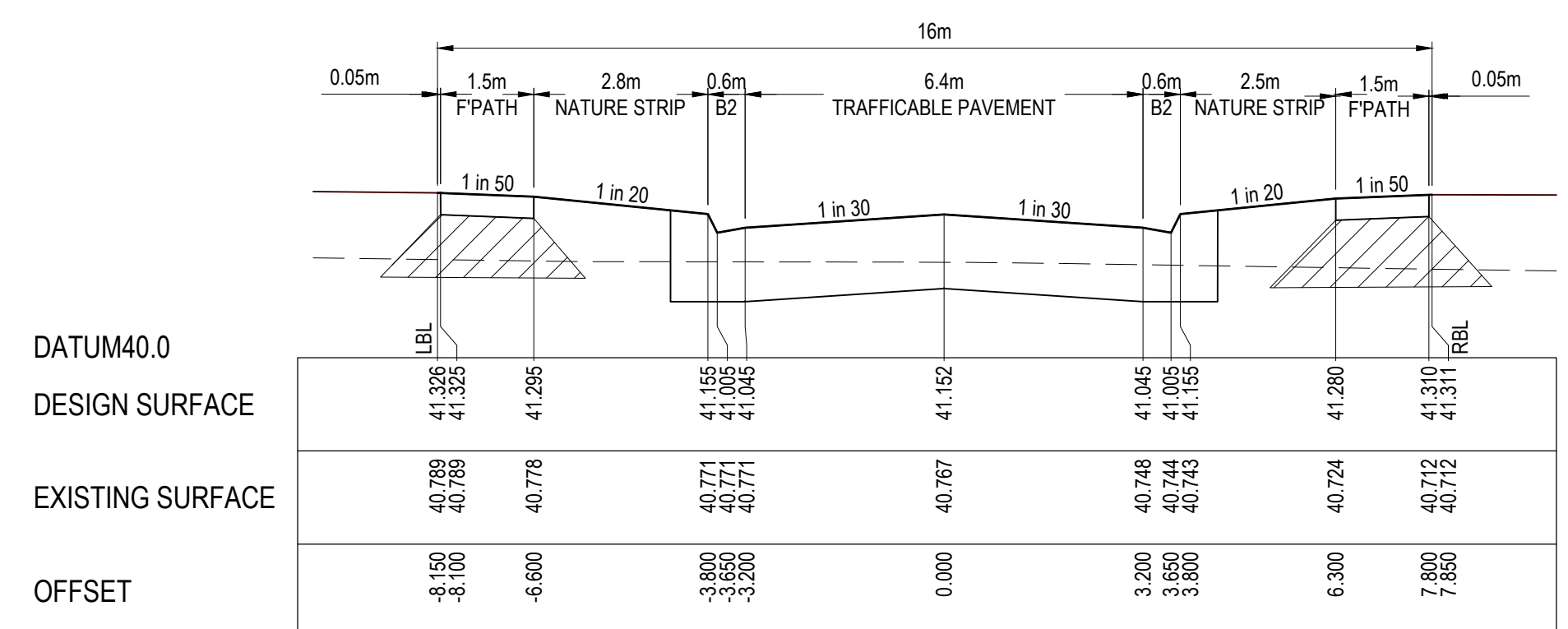
P:\2024\20240827_ALAMORA_TANGET\20240827_19_15001 - ROAD CROSS SECTIONS.DWG

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

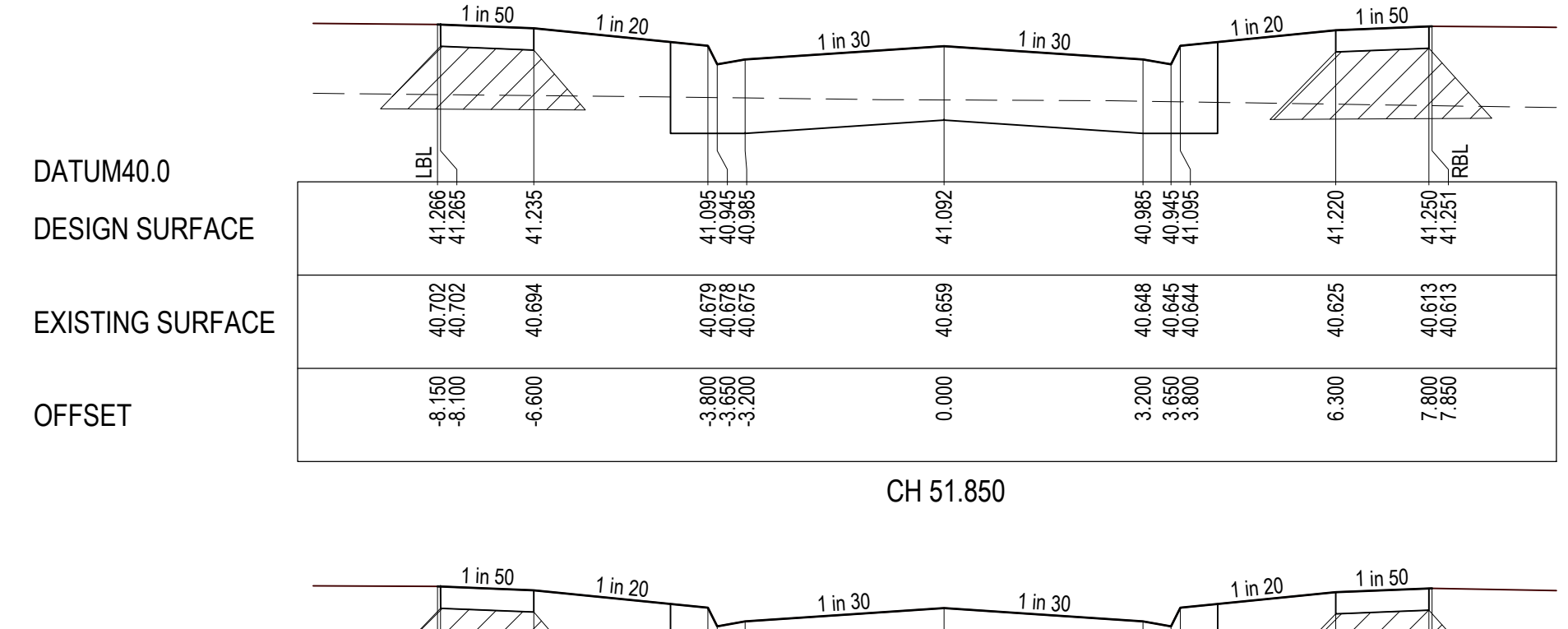
NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

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

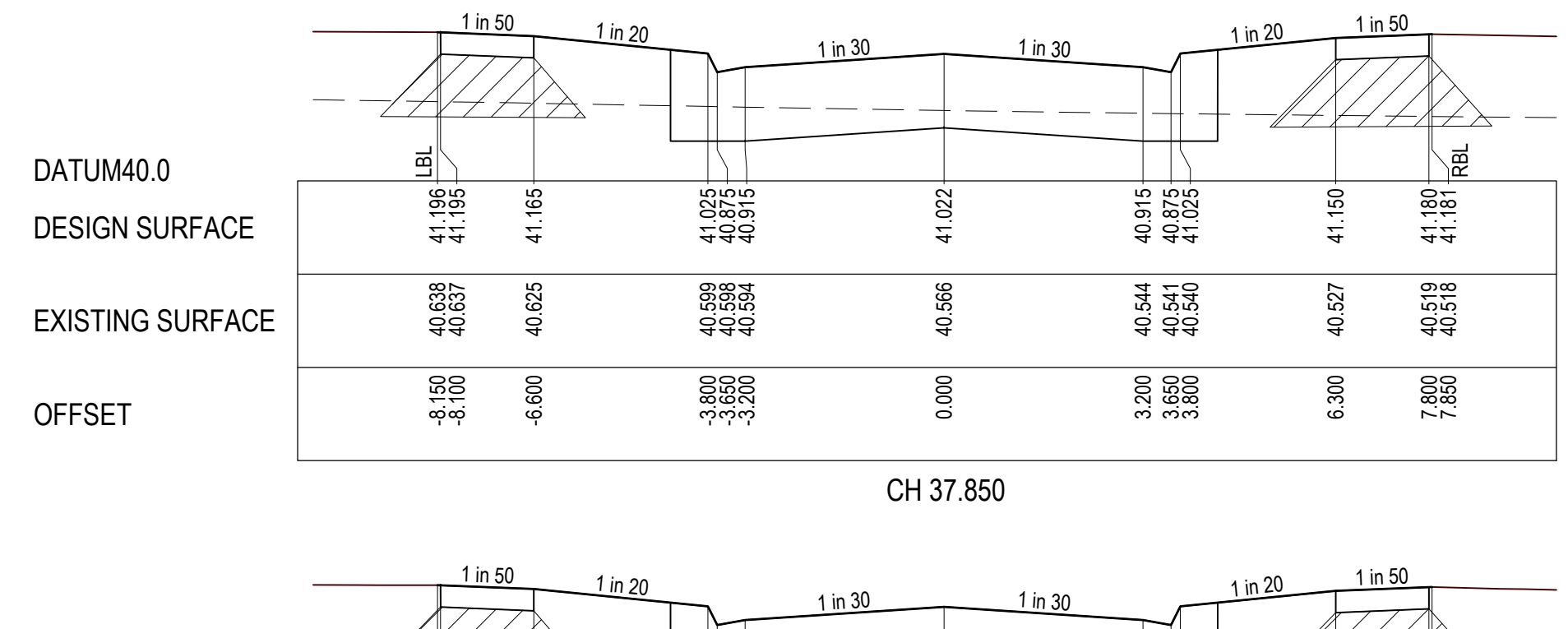
LEGEND
 - - - - - EXISTING SURFACE
 ——— DESIGN LINE
 ▨ SELECT STRUCTURAL FILL



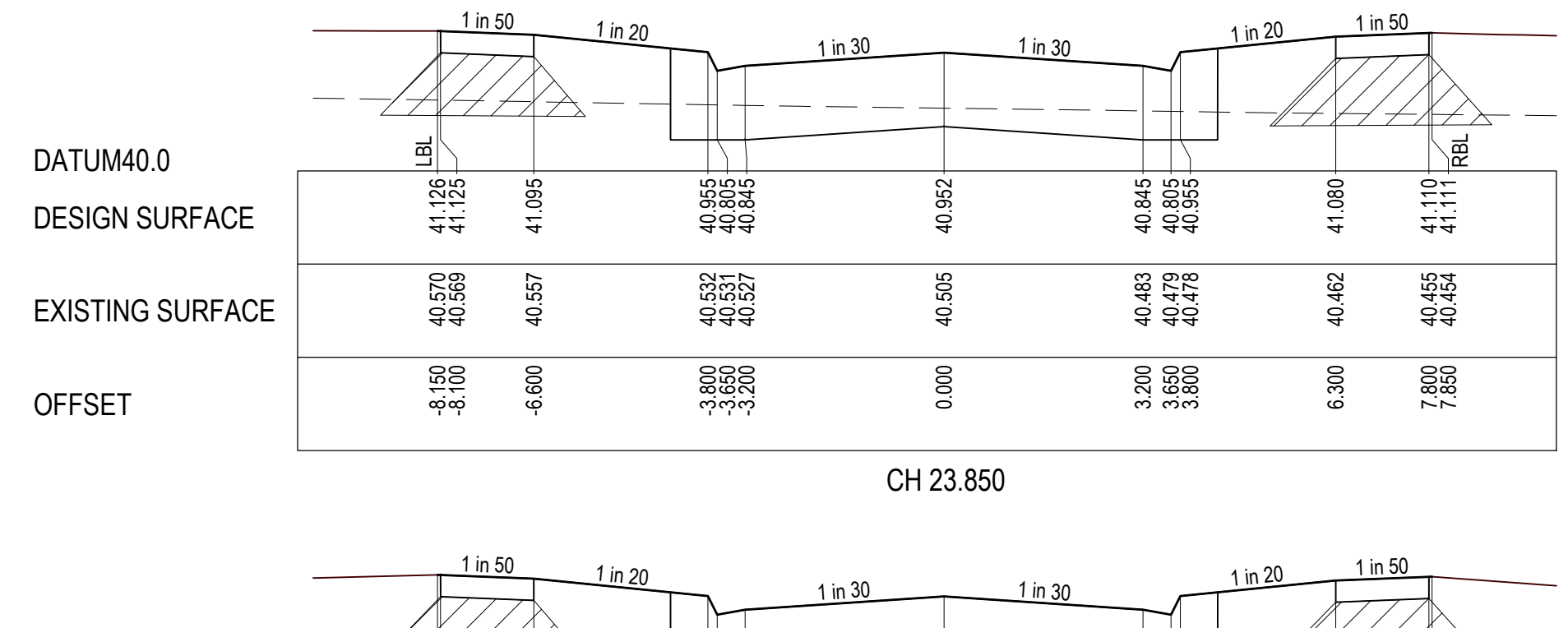
RIGHT TANGENT POINT CH 63.900



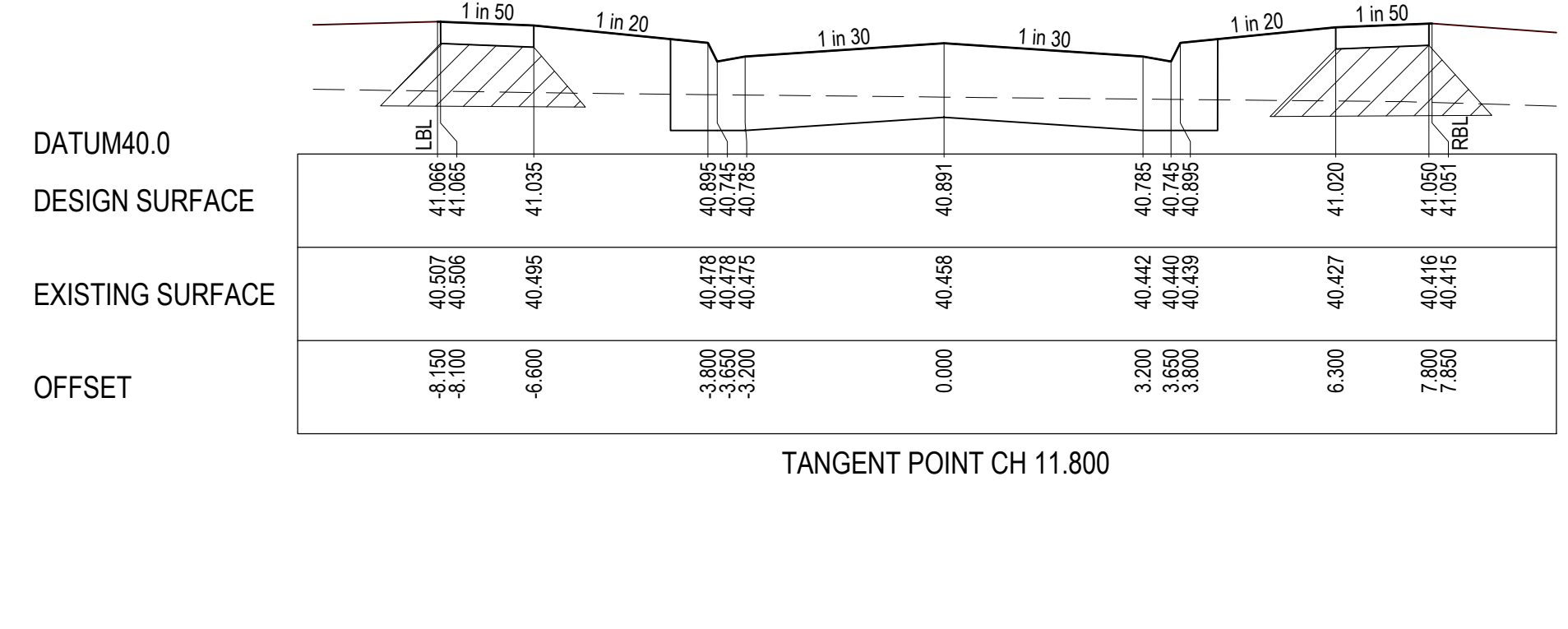
CH 51.850



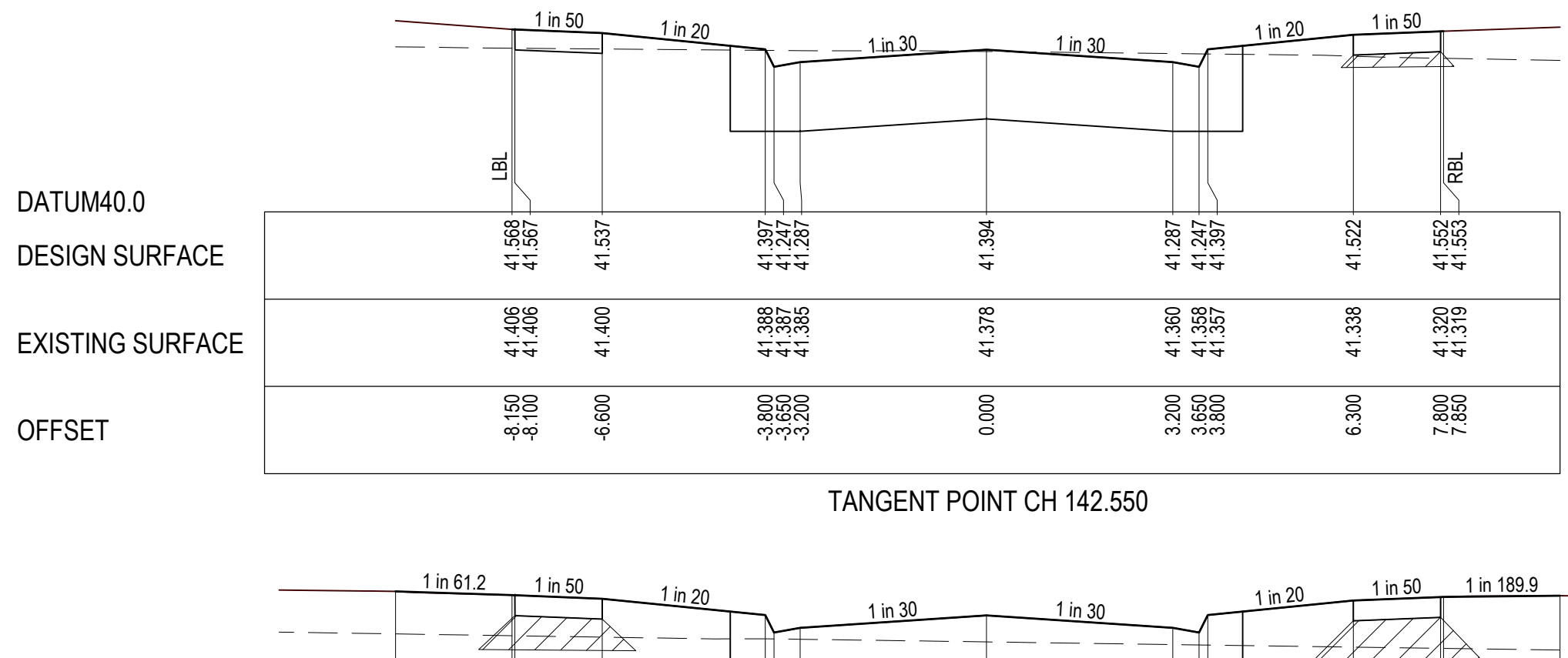
CH 37.850



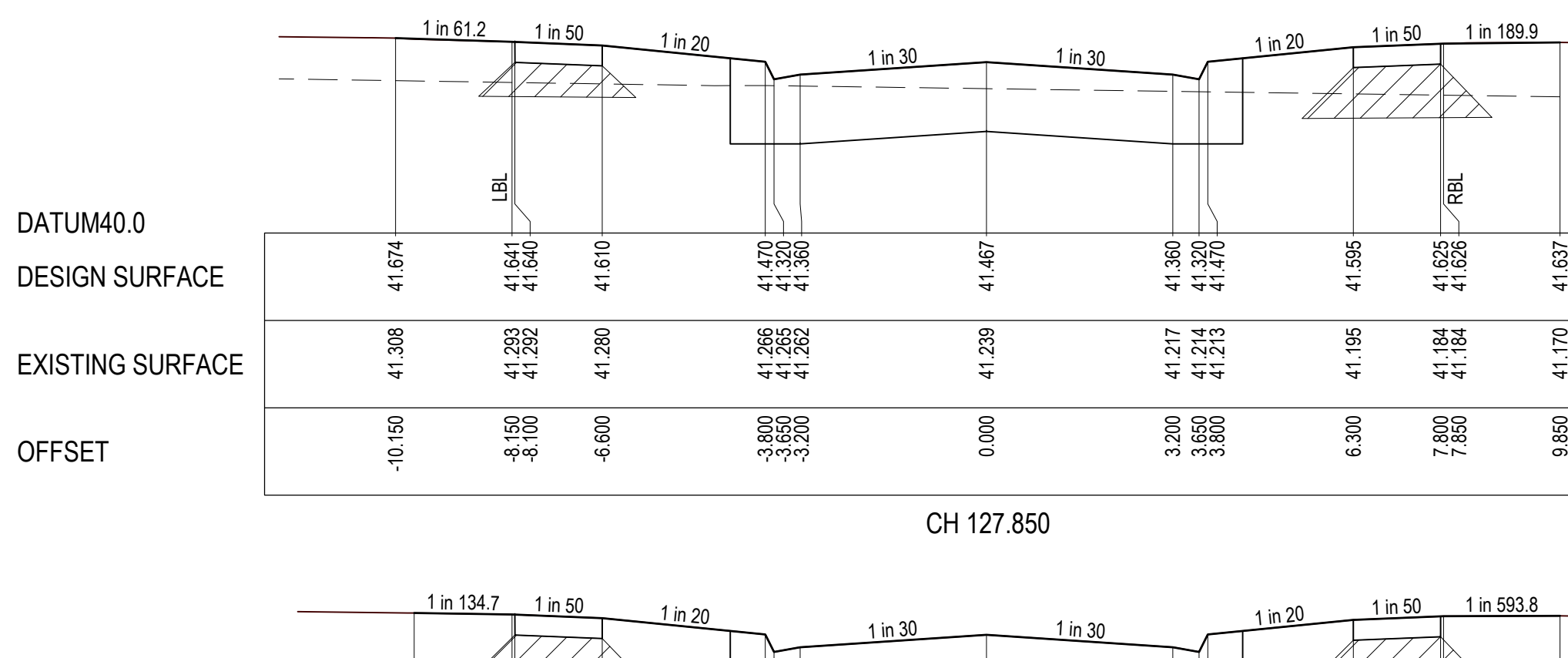
CH 23.850



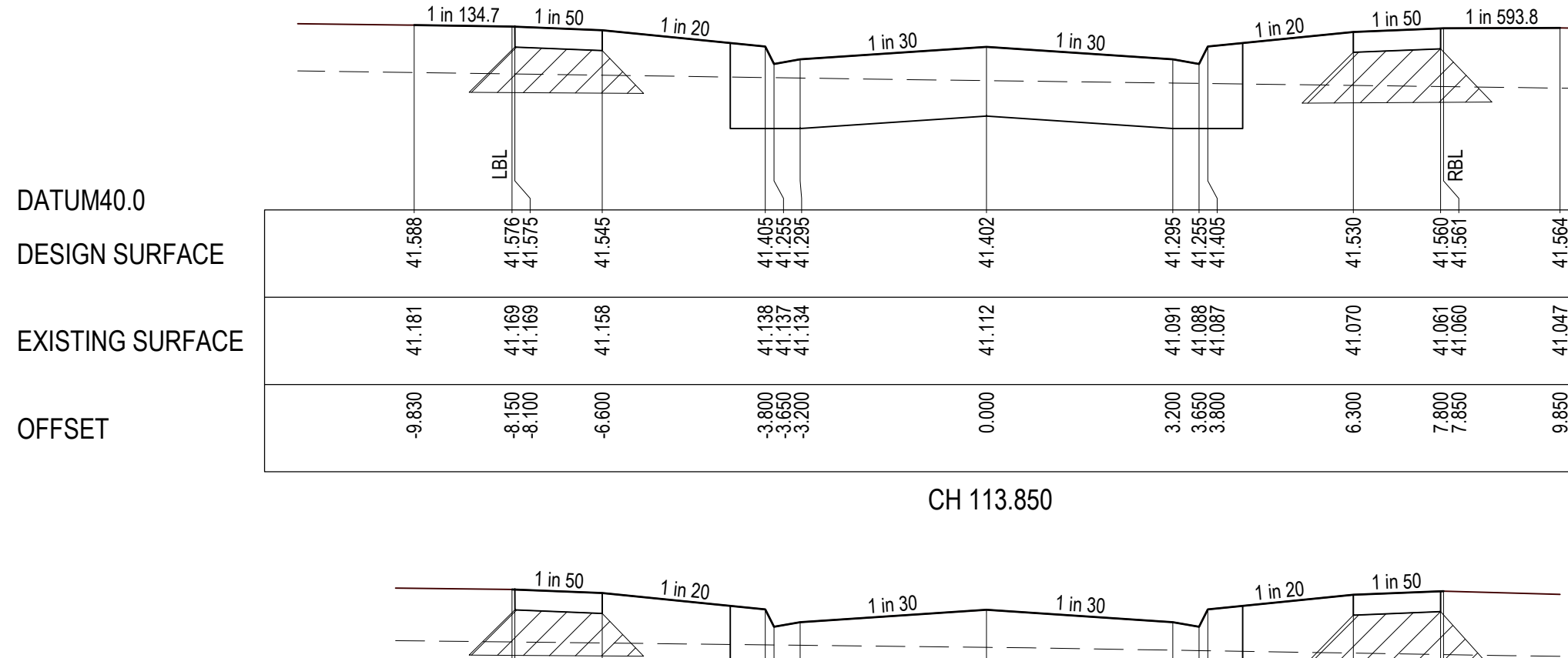
TANGENT POINT CH 11.800



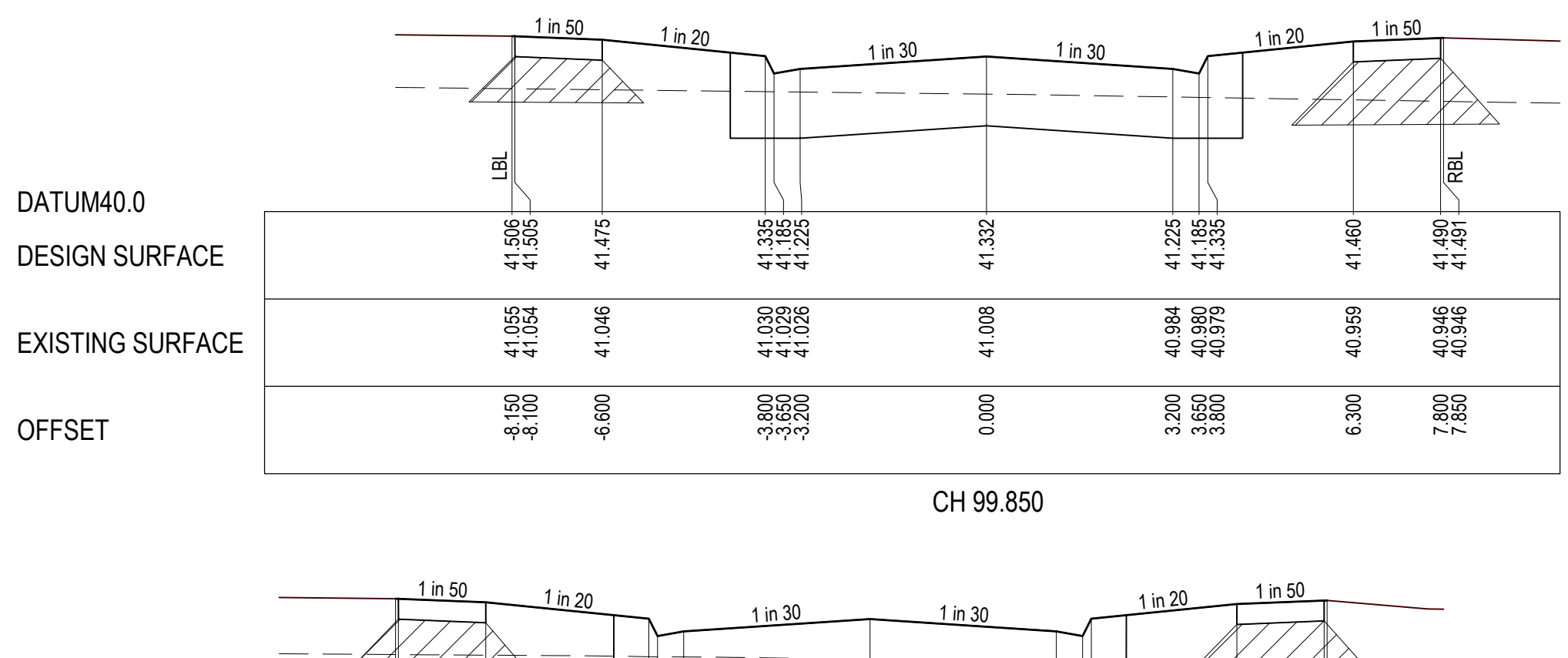
TANGENT POINT CH 142.550



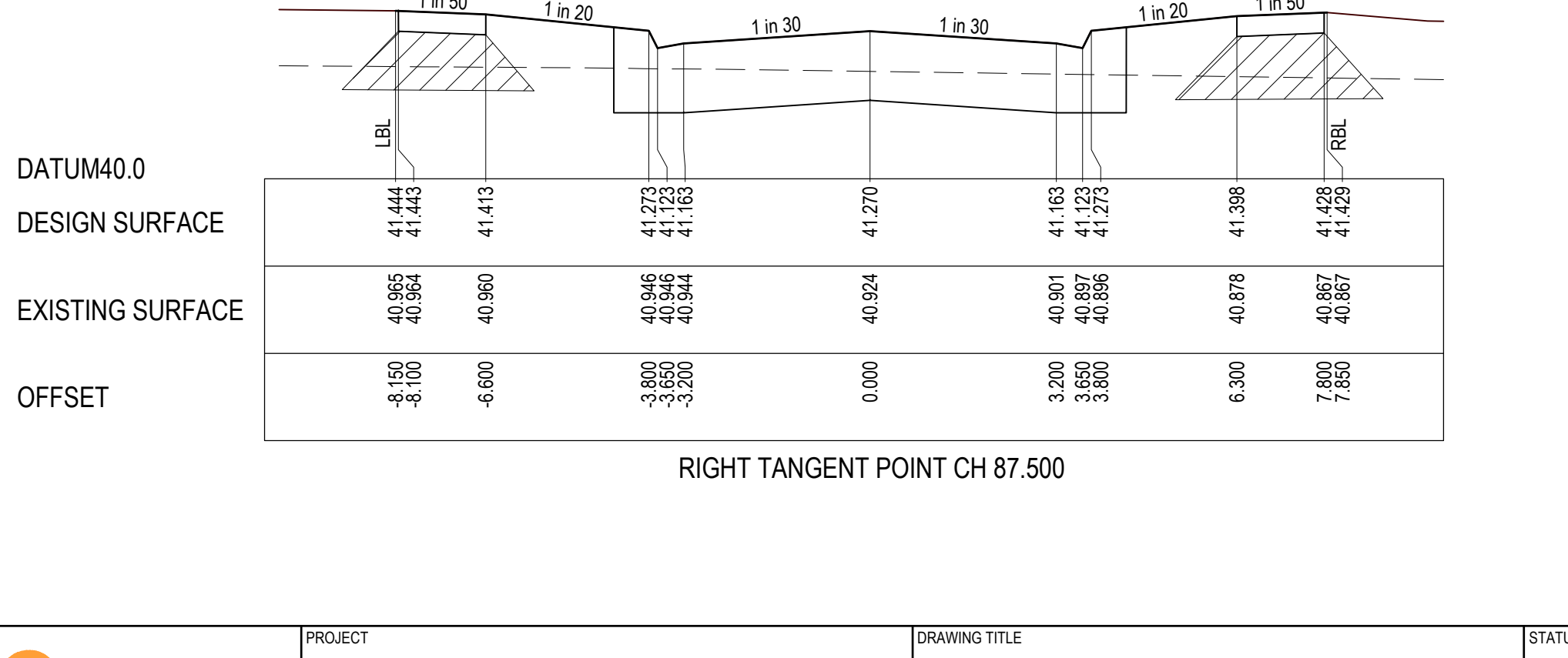
CH 127.850



CH 113.850



CH 99.850



RIGHT TANGENT POINT CH 87.500

Planning and Environment Act 1987
Wyndham Planning Scheme
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 under Condition 40
 Permit No WYP10817/18
 Date 2024/09/19

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
B	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
C	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

 Communities Designed for Living

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

PROJECT

DRAWING TITLE
ALAMORA - STAGE 19
ROAD CROSS SECTIONS - 2
MASTANI WAY

STATUS
ISSUED FOR CONSTRUCTION
 SCALE @ A1: 1:100 (H) 1:50 (V)

DRAWN	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
CHECKED	S.MURAD	PROJECT MANAGER	M.TROUNCE
APPROVED	M.TROUNCE	PROJECT No.	200282.19
		DRAWING No.	R501
		REVISION	0

P:\2024\2024-ALAMORA - STAGE 19 - ROAD CROSS SECTIONS - 2.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
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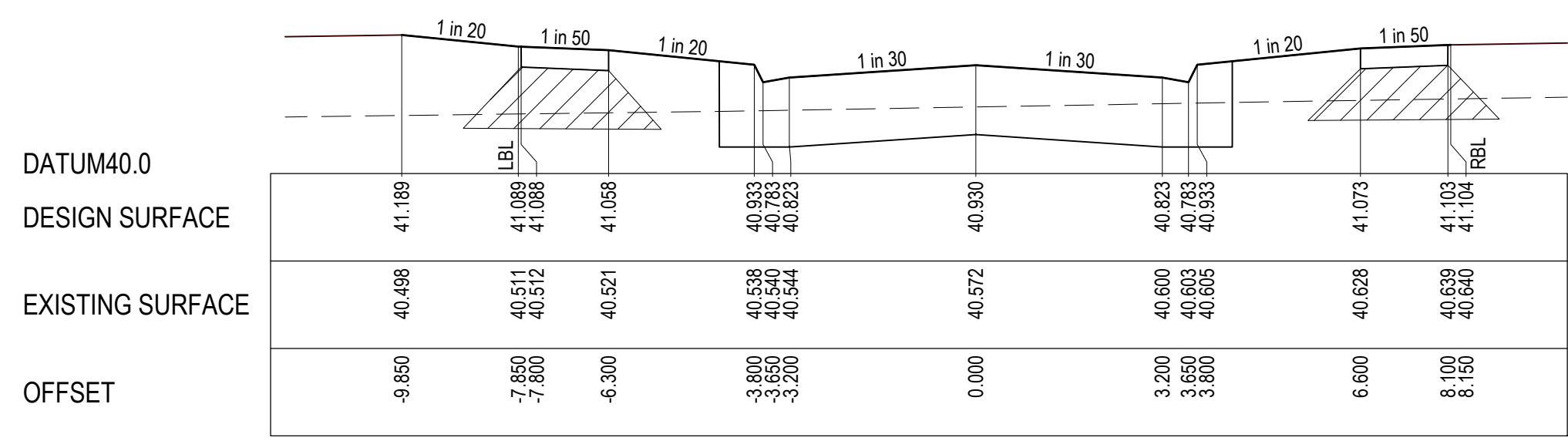
NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

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

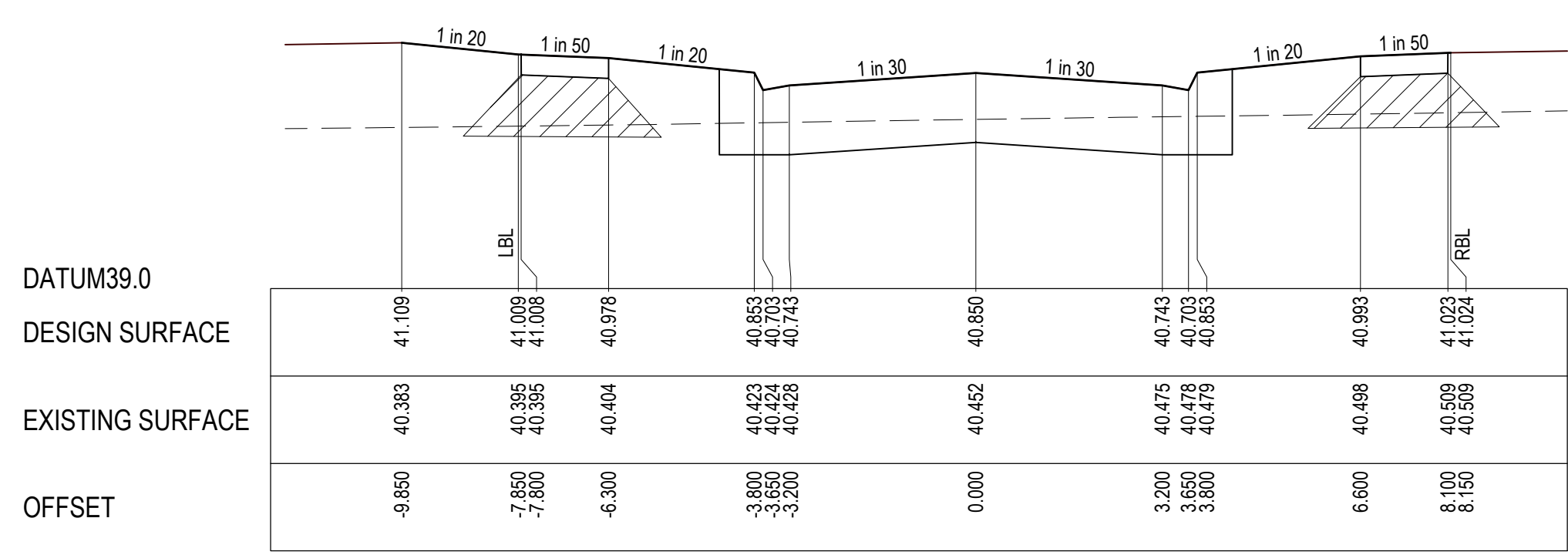
LEGEND

	EXISTING SURFACE
	DESIGN LINE
	SELECT STRUCTURAL FILL

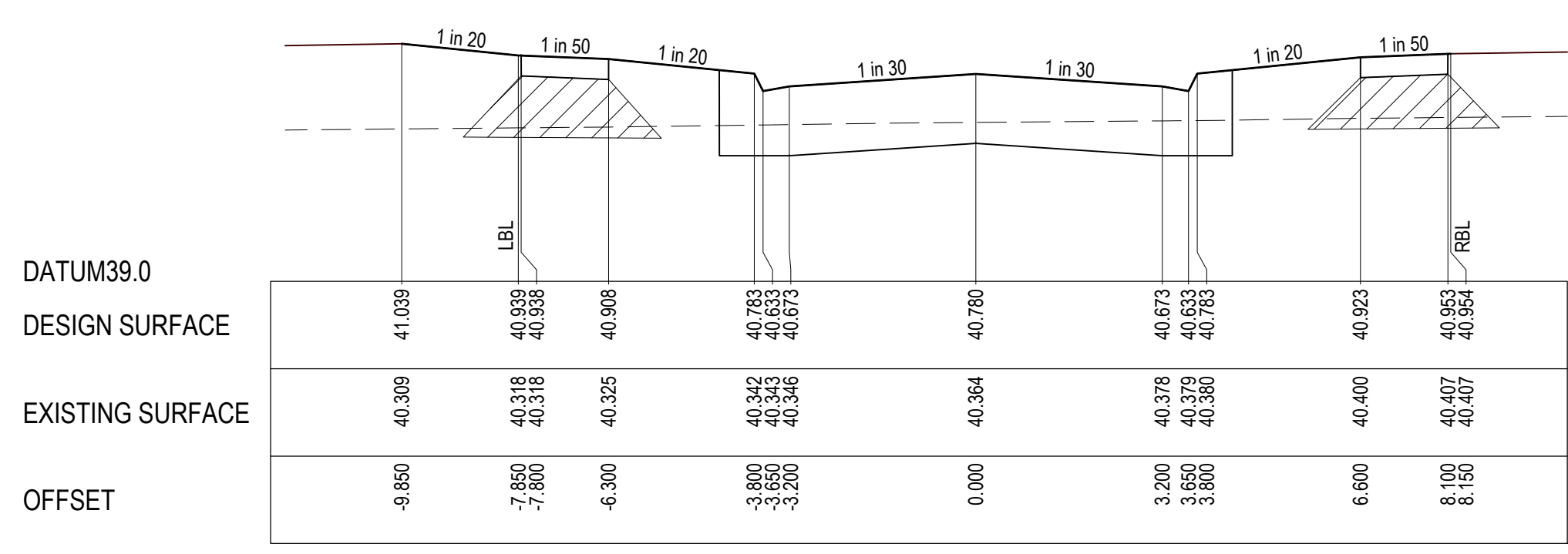
Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19



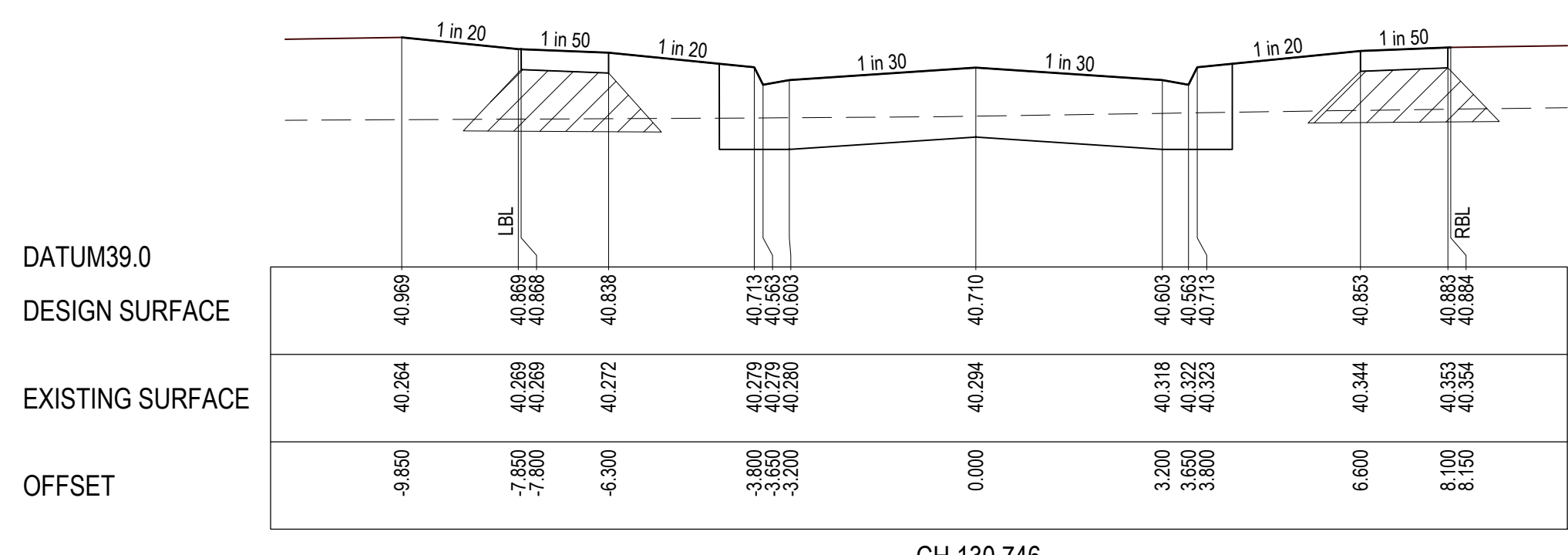
CH 174.746



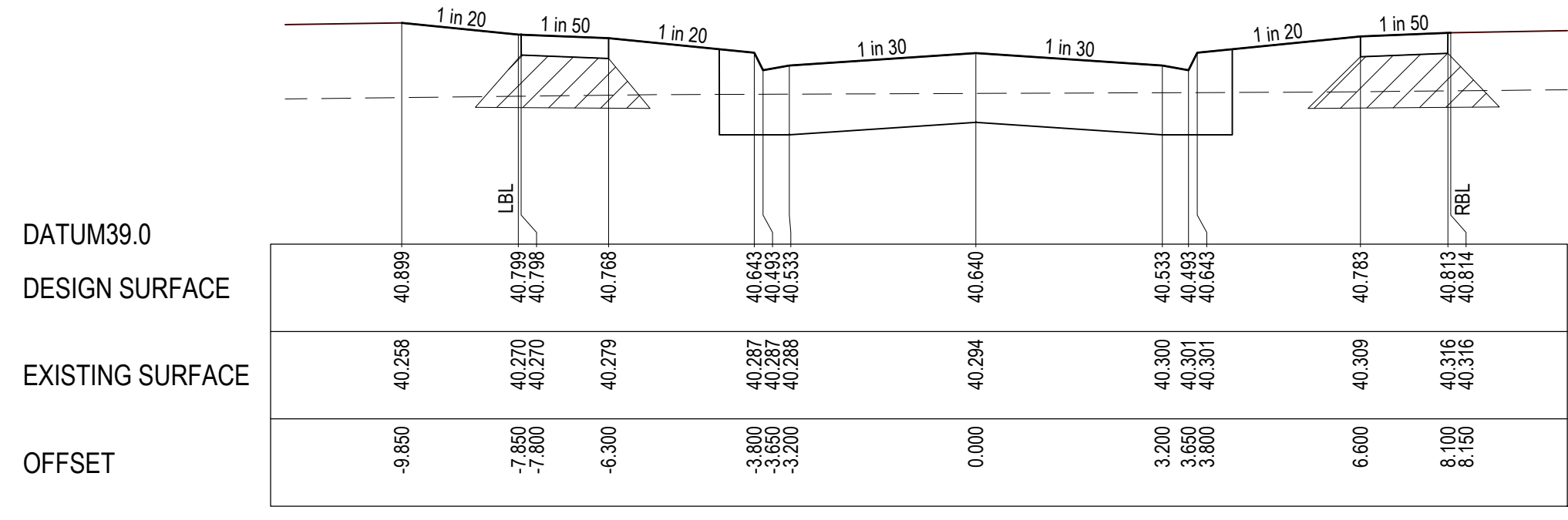
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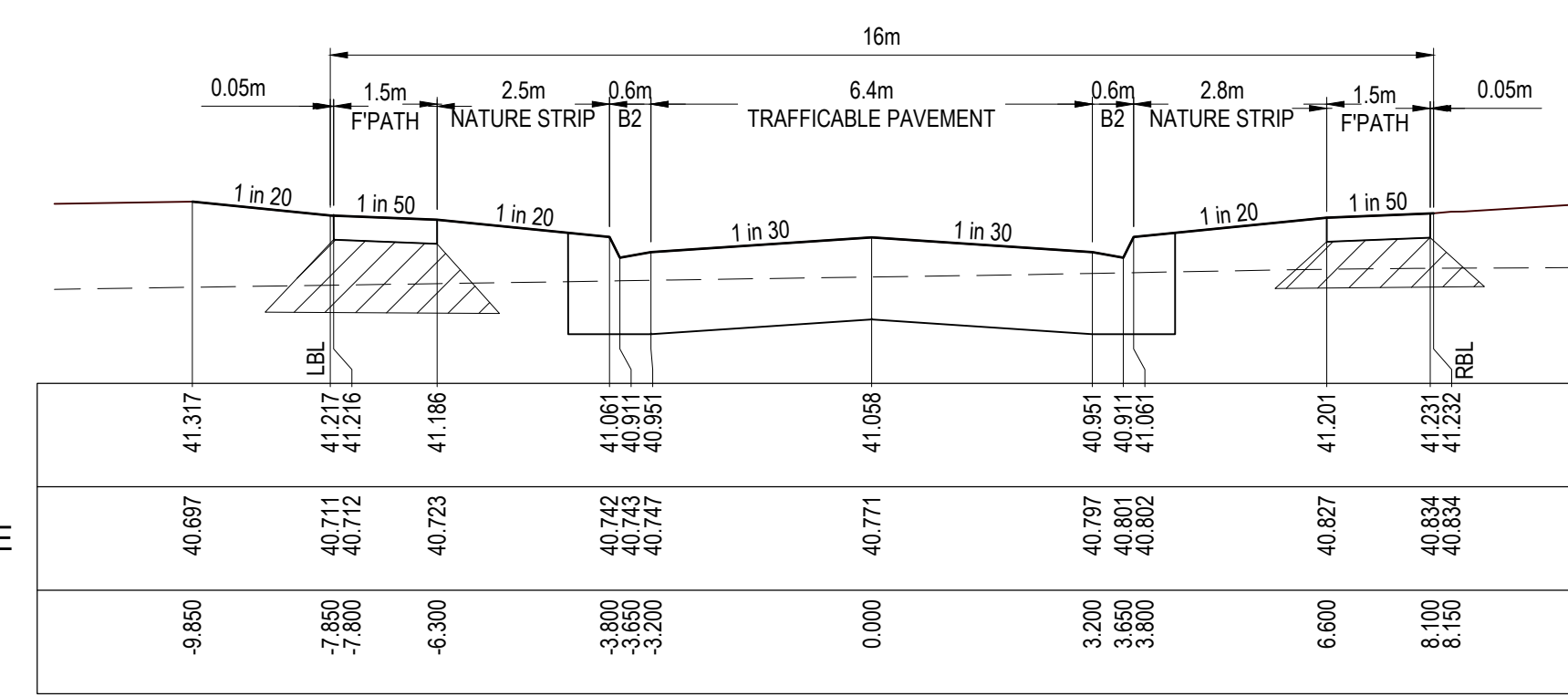
CH 144.746



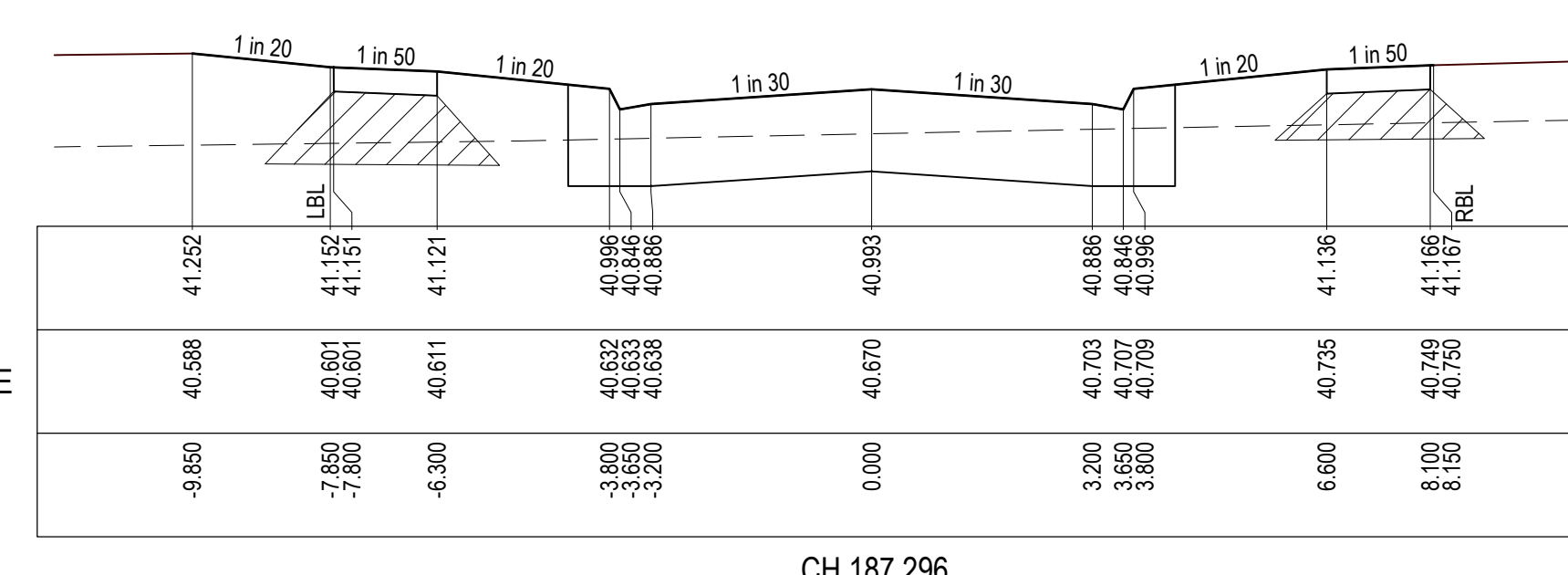
CH 130.746



LIMIT OF WORKS CH 116.746



TANGENT POINT CH 200.296



CH 187.296

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 19
ROAD CROSS SECTIONS - 3
NALANDA ROAD

STATUS

ISSUED FOR CONSTRUCTION

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

DESIGNED	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	200282.19	DRAWING No.	R502
		REVISION	0

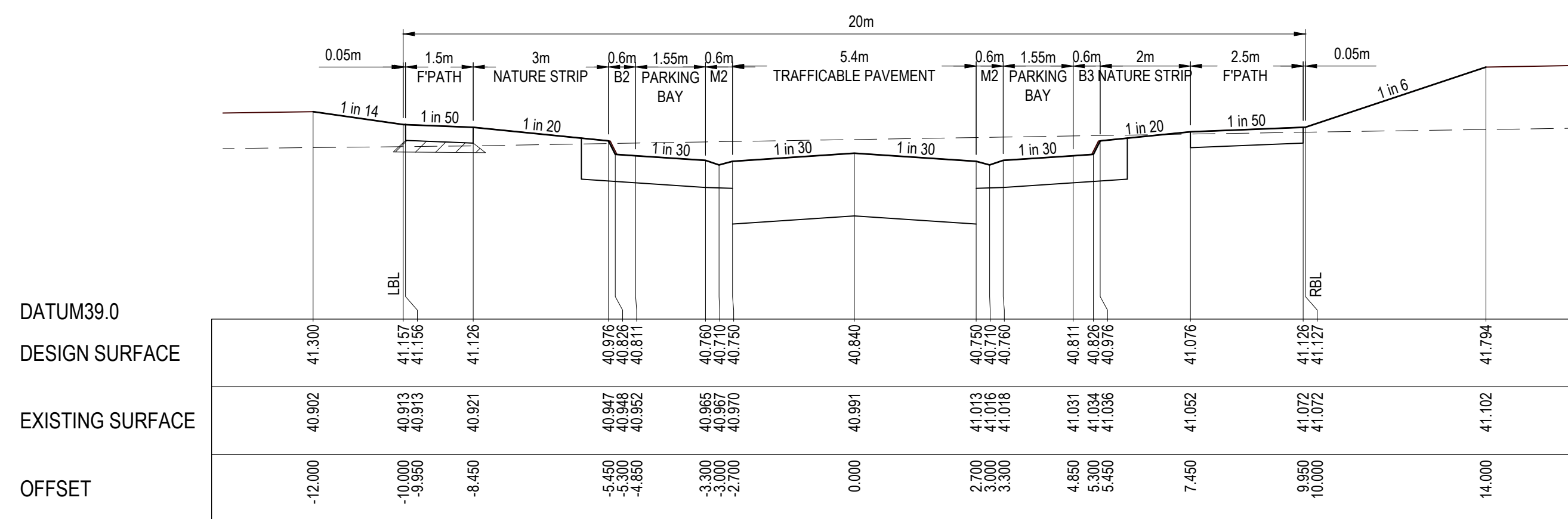
P:\2020\20282 - ALAMORA - TANGENT POINT CH 200.296 - ROAD CROSS SECTIONS.DWG

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

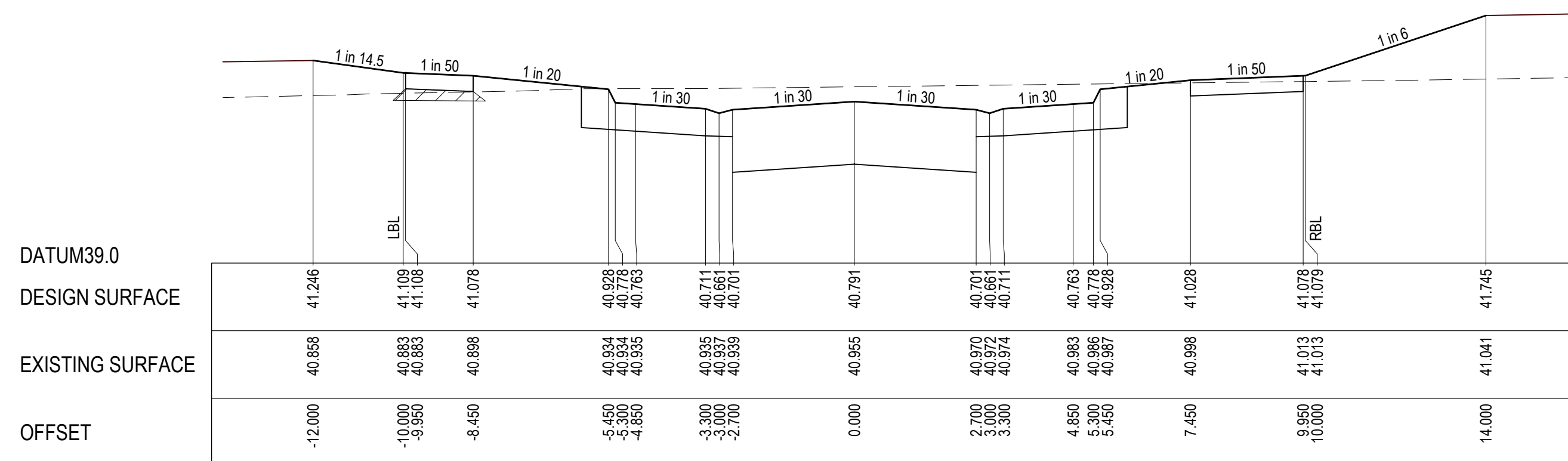
NOTE:
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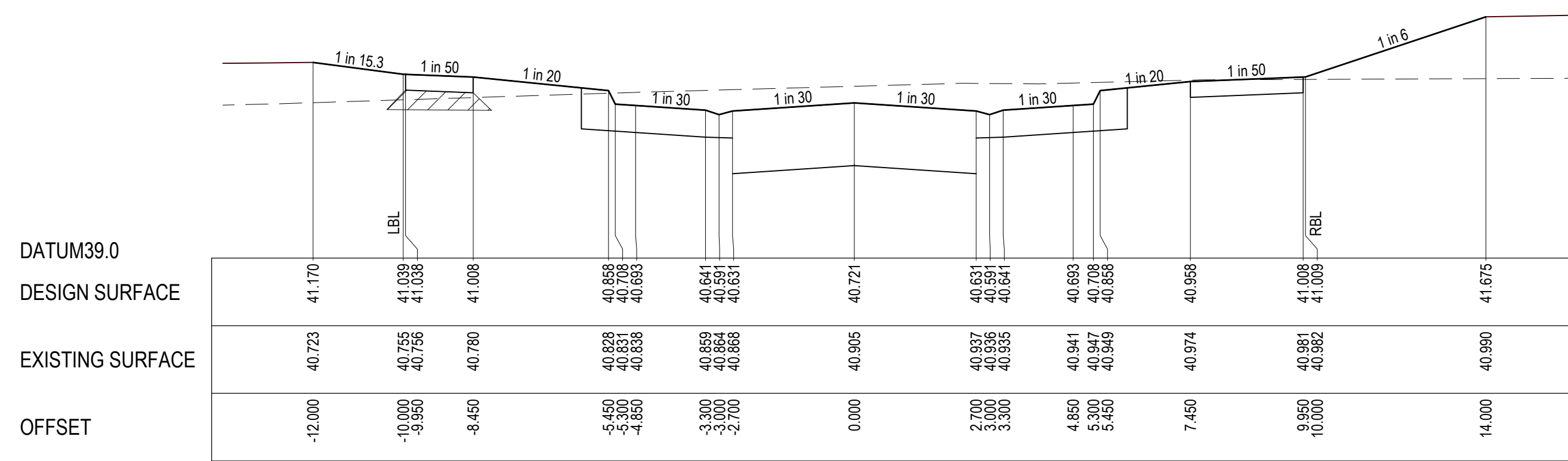
LEGEND
 --- EXISTING SURFACE
 — DESIGN LINE
 ▨ SELECT STRUCTURAL FILL



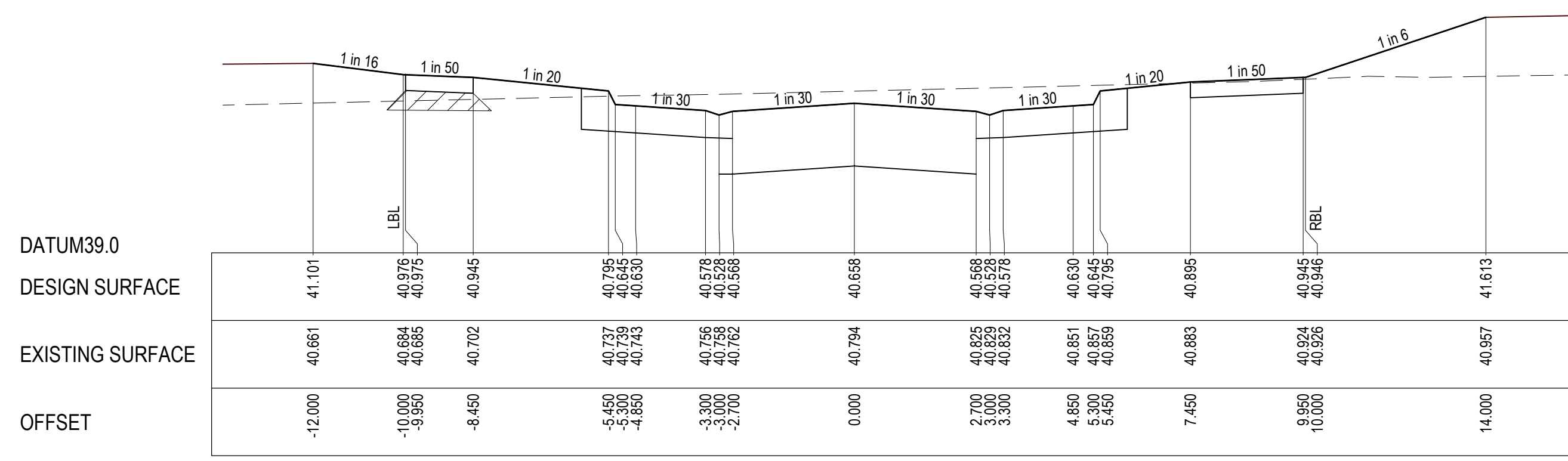
TANGENT POINT CH 237.670



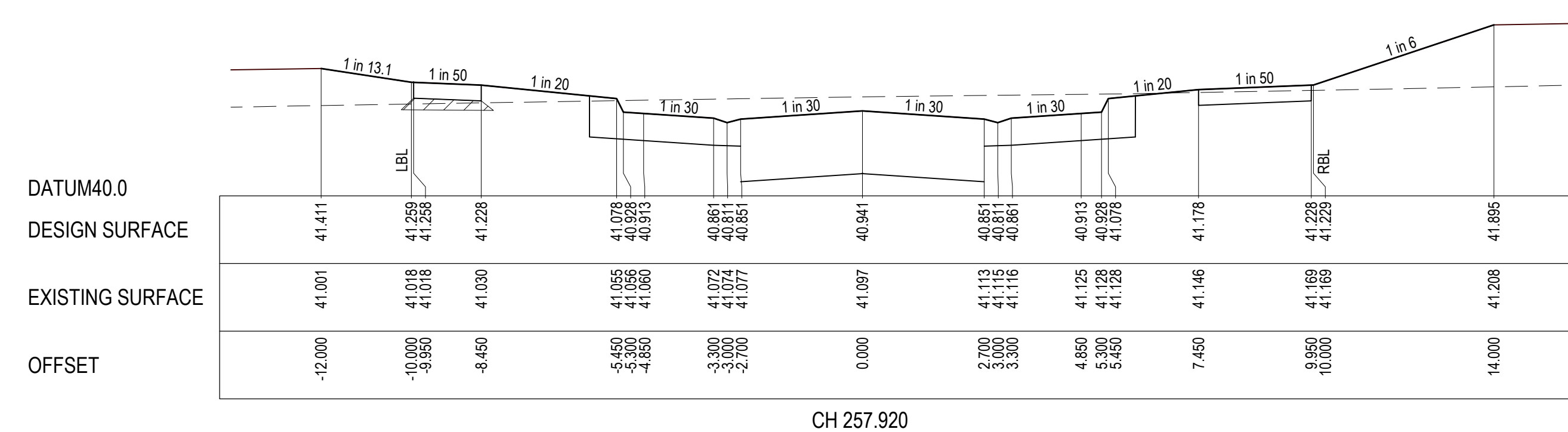
CH 227.920



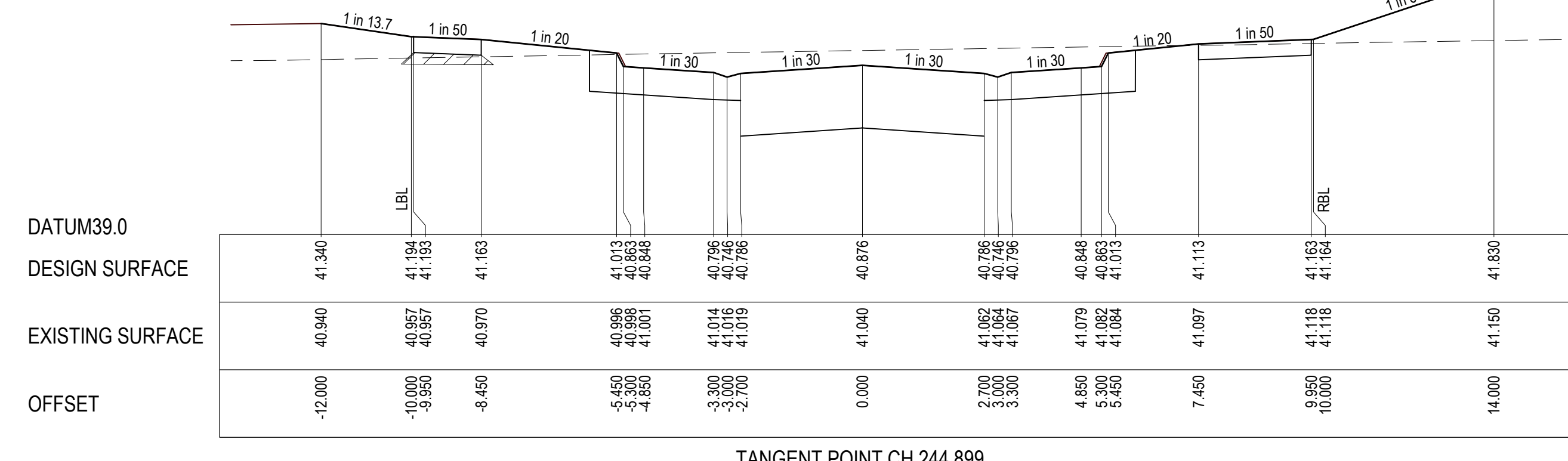
CH 213.920



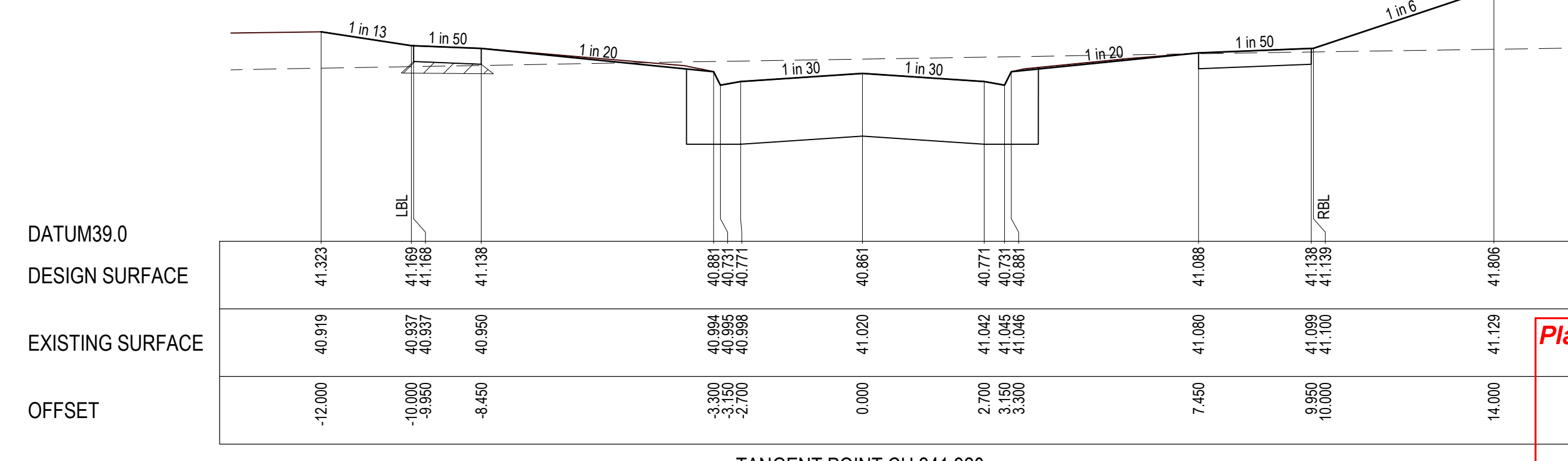
LIMIT OF WORKS CH 201.420



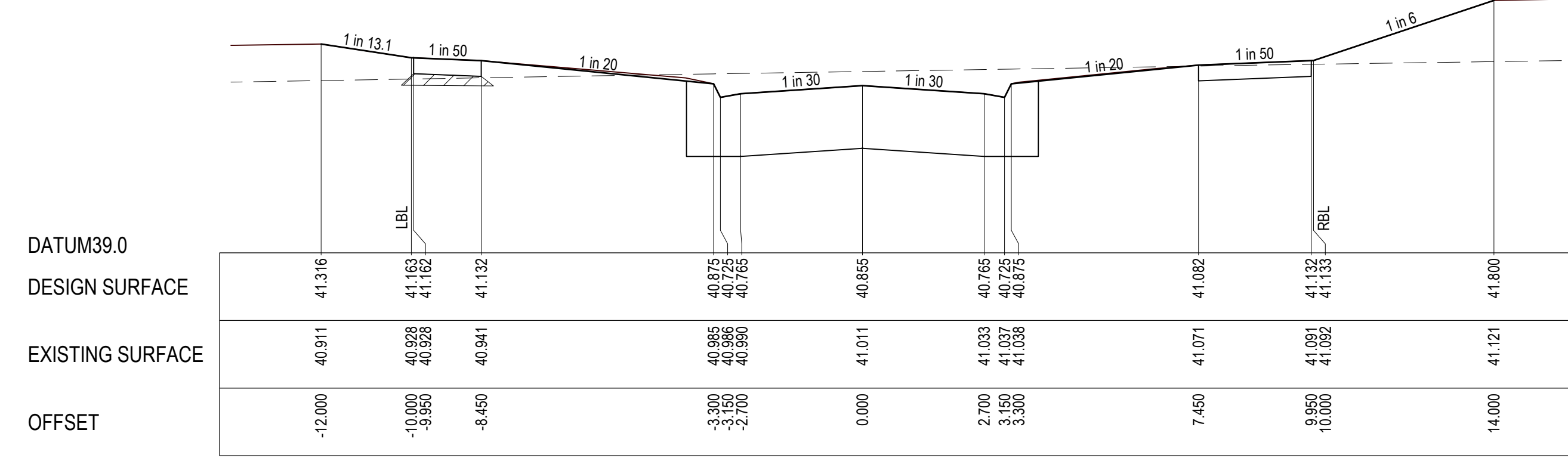
CH 257.920



TANGENT POINT CH 244.899



TANGENT POINT CH 241.920



TANGENT POINT CH 240.649

Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
B	12/07/24	CARPARKING PAVEMENT	A.WALE	A.WALE	M.TROUNCE
C	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 19
ROAD CROSS SECTIONS - 4
IMPLEXA DRIVE - 1

STATUS

ISSUED FOR CONSTRUCTION

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

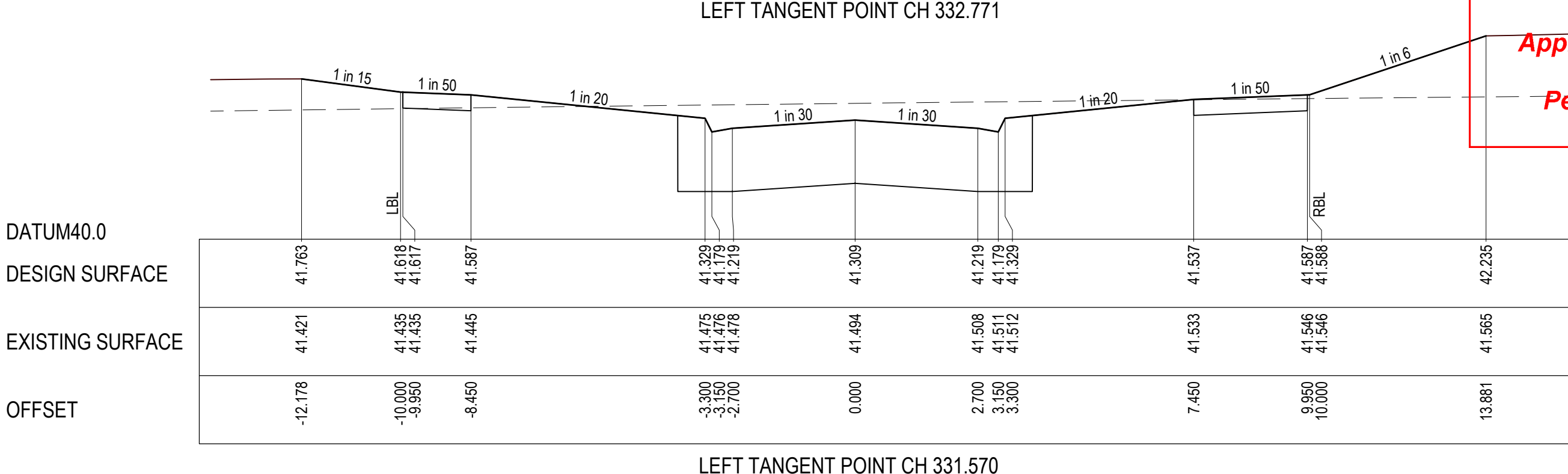
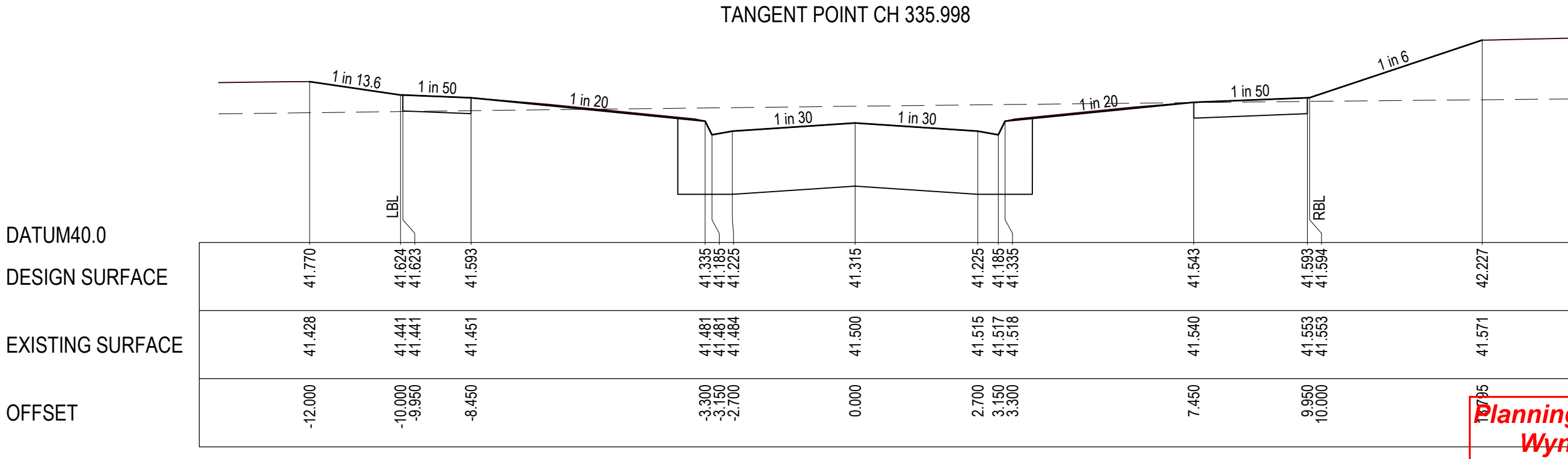
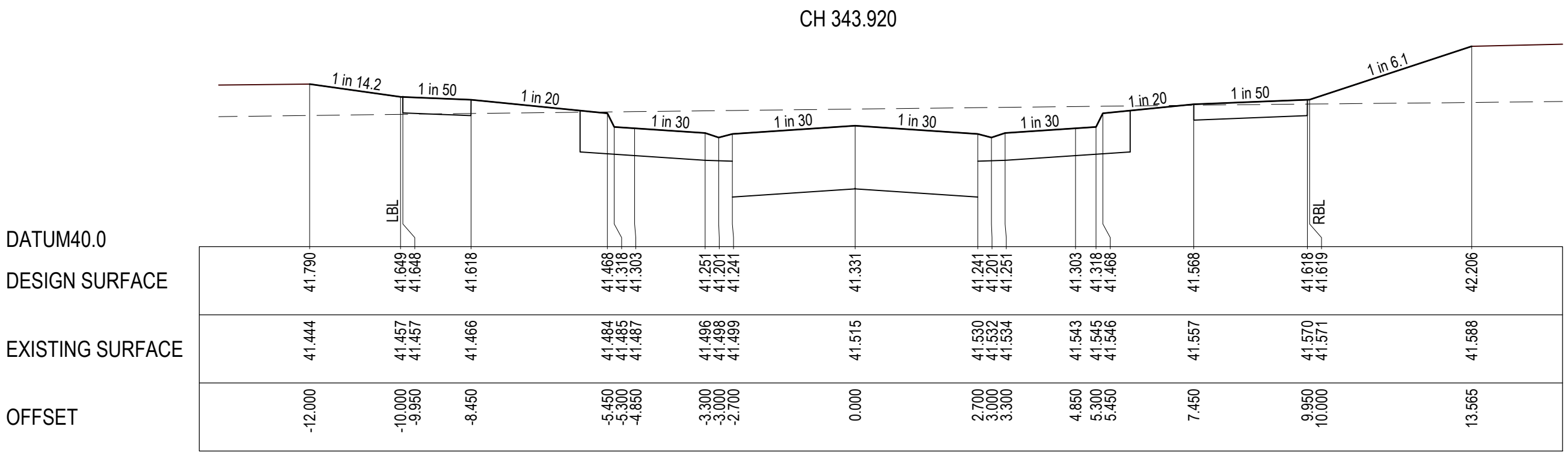
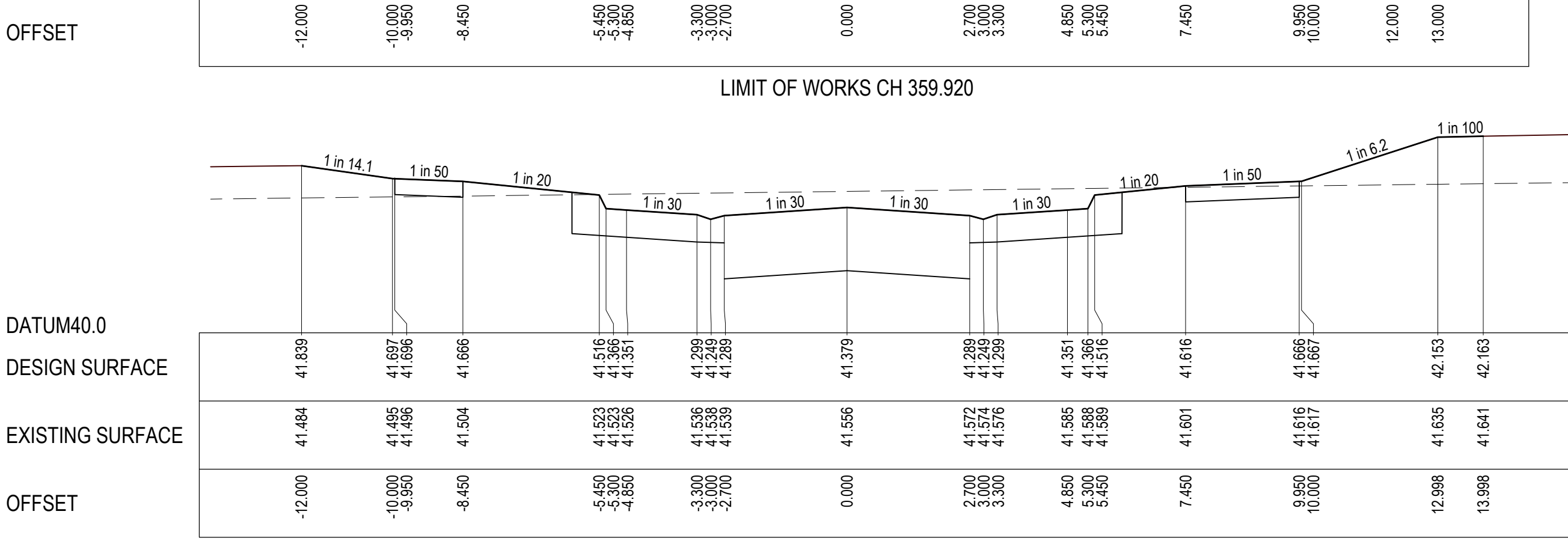
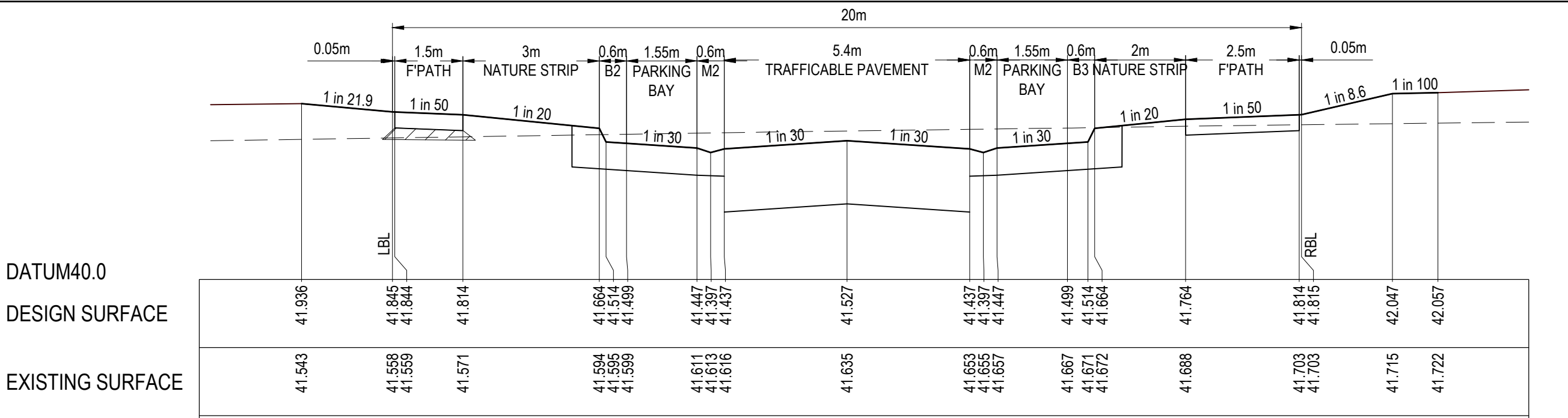
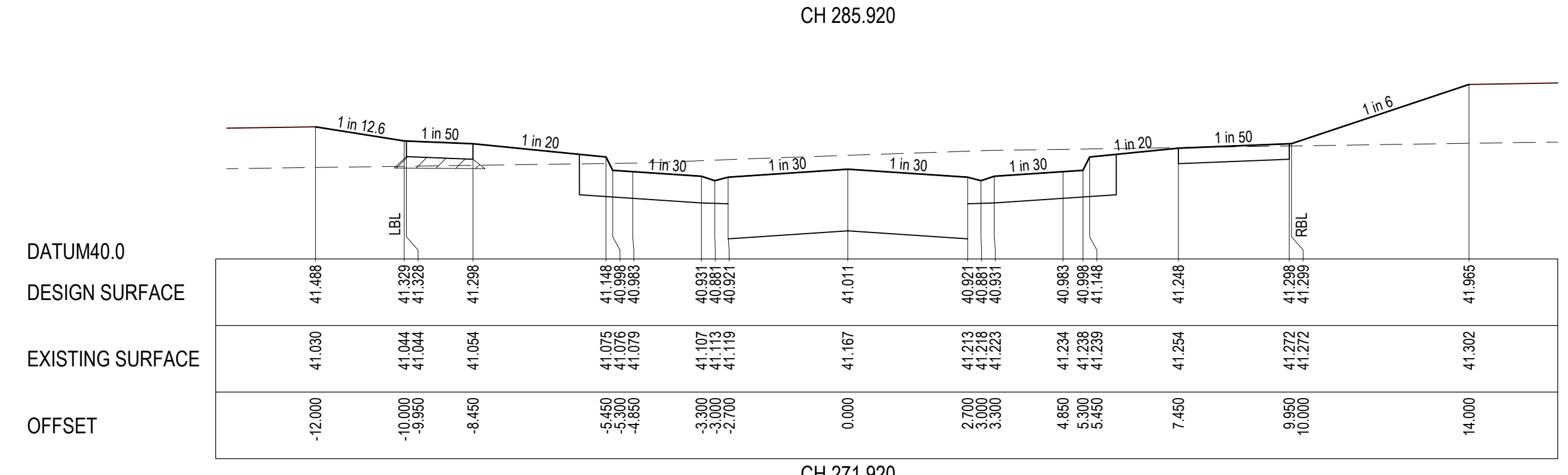
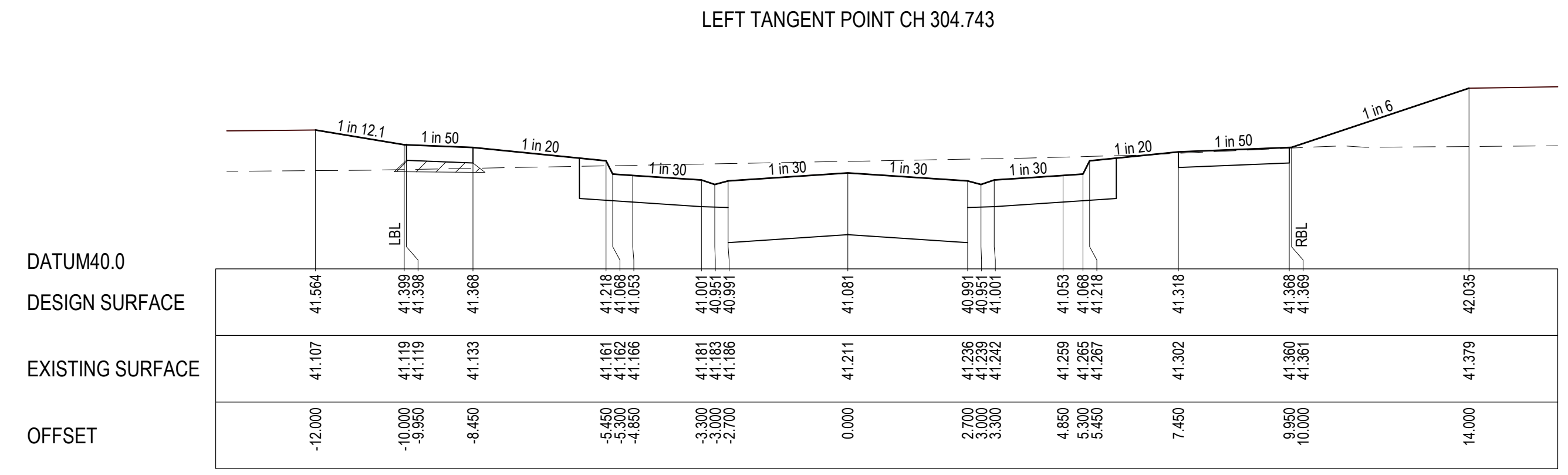
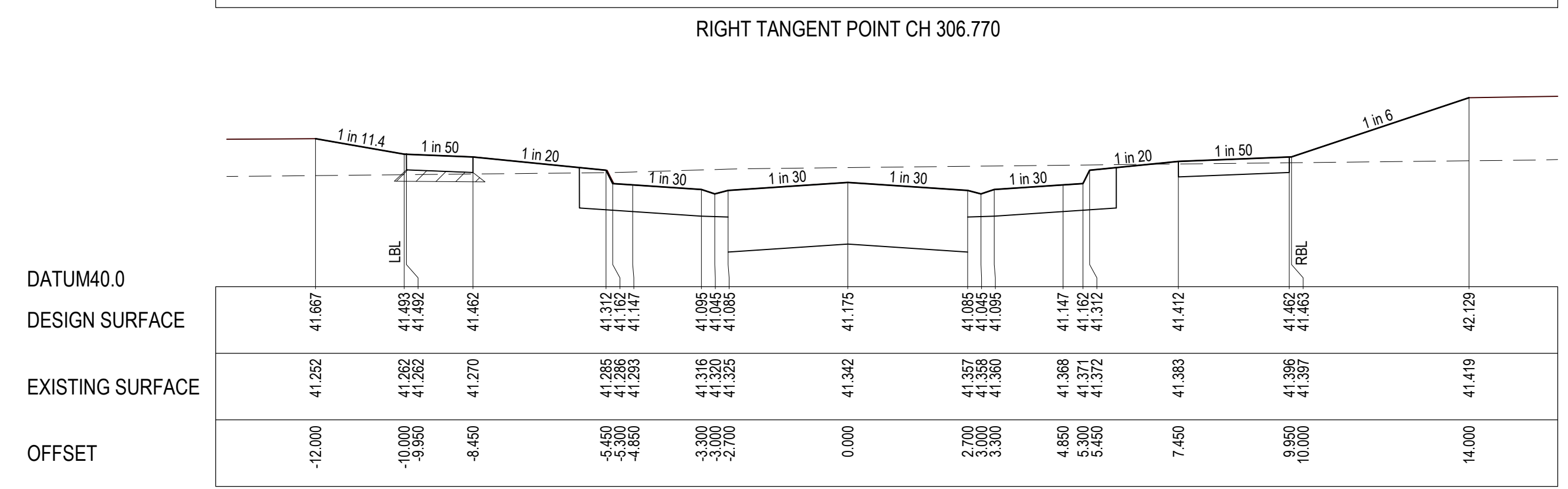
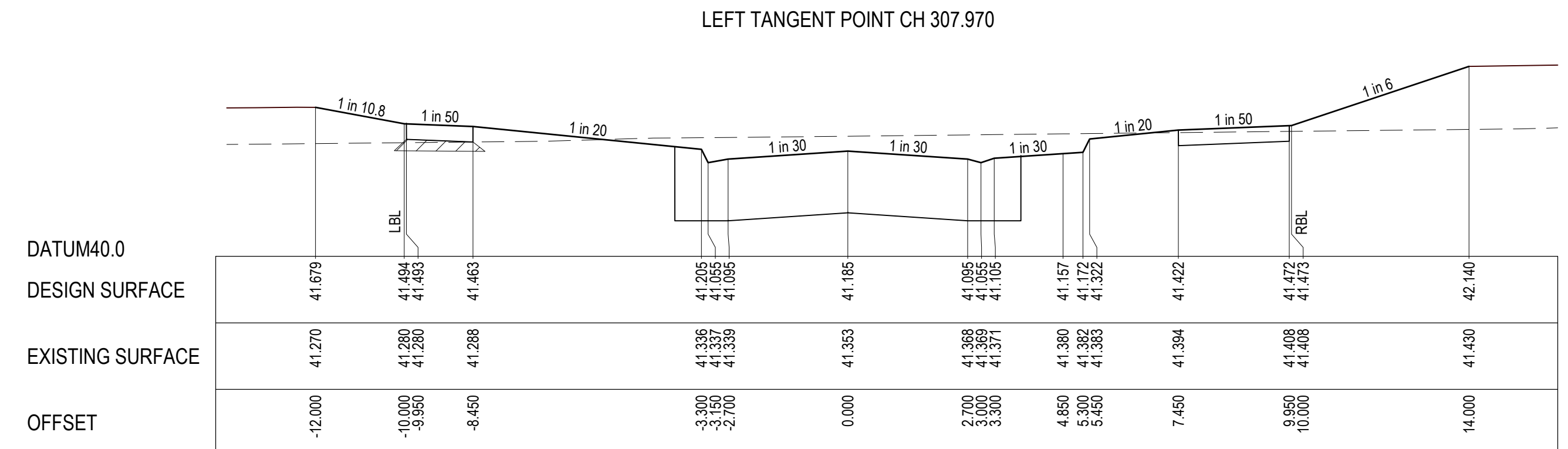
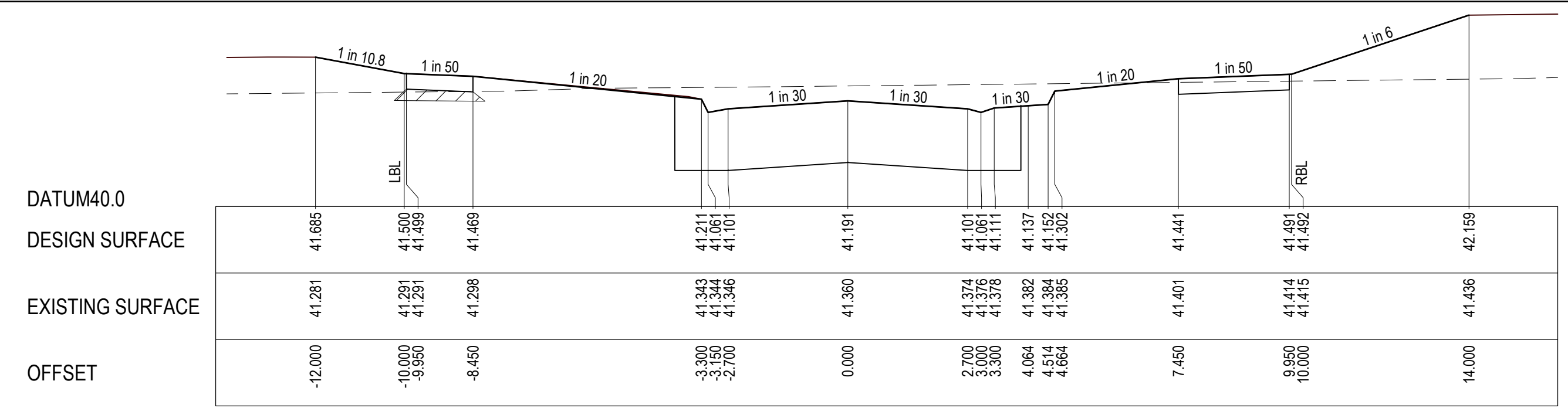
DESIGNED	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	200282.19	DRAWING No.	R503
REVISION	0		

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
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NOTE:
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LEGEND
 - - - - - EXISTING SURFACE
 ——— DESIGN LINE
 ▨ SELECT STRUCTURAL FILL



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

P:\2024\202422 - ALAMORA_TANKET\202422 - DRA\202422 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
B	12/07/24	CARPARKING PAVEMENT	A.WALE	A.WALE	M.TROUNCE
C	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

villawood
properties
Communities Designed for Living

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

ALAMORA
Jarrett

PROJECT
ALAMORA - STAGE 19
ROAD CROSS SECTIONS - 5
IMPLEXA DRIVE - 2

DRAWING TITLE
ISSUED FOR CONSTRUCTION

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

DESIGNED I.HOGAN	PROJECT ENGINEER M.TROUNCE
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.19	DRAWING No. R504
	REVISION 0

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

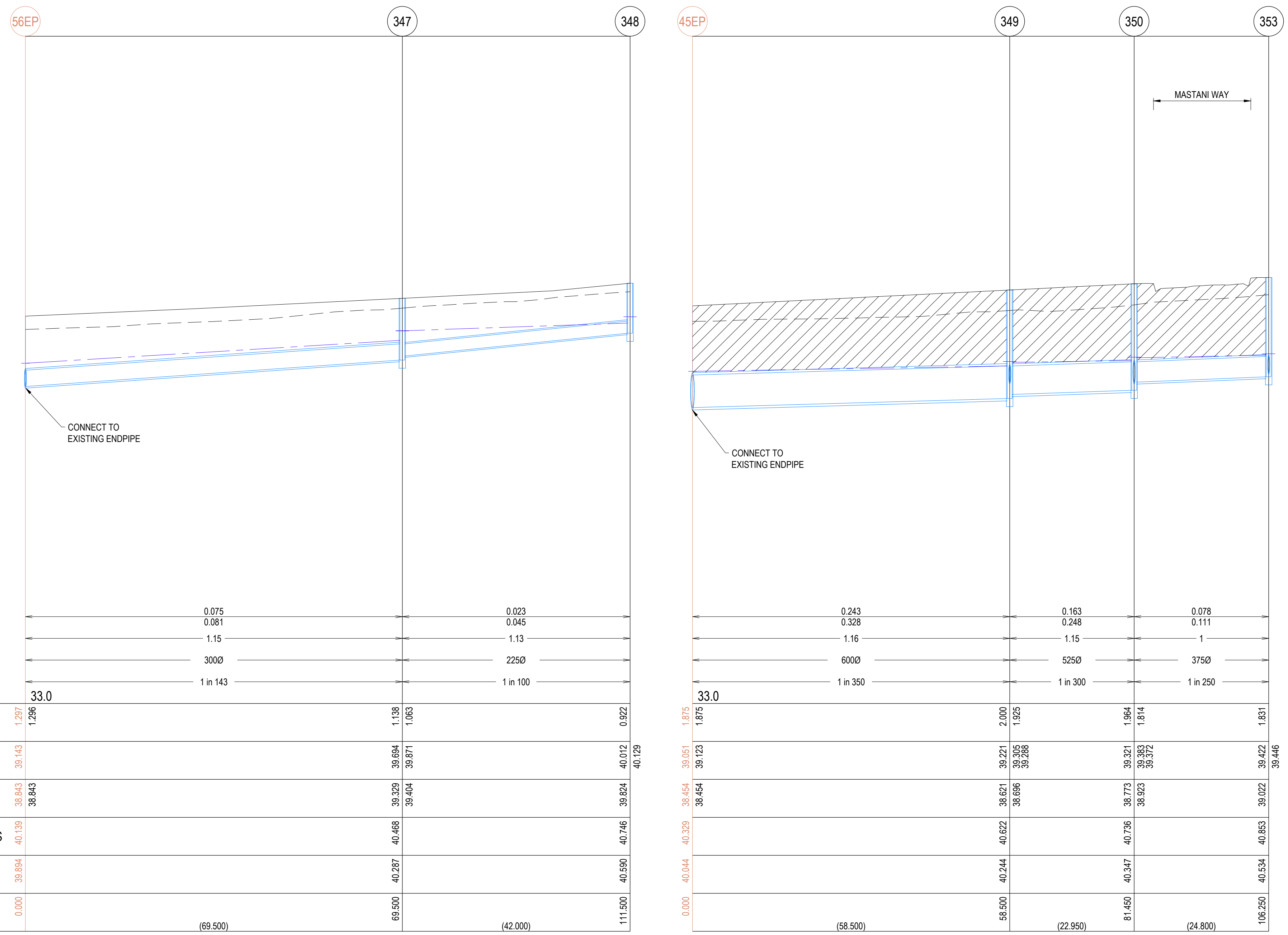
**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19**

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



DESIGN FLOW (m3/s)	0.075	0.023
CAPACITY (m3/s)	0.081	0.045
AT GRADE VELOCITY (m/s)	1.15	1.13
PIPE SIZE (mm)	3000	2250
GRADE DATUM	1 in 143	1 in 100
DEPTH TO INVERT	1.267 1.266	1.138 1.063
HYDRAULIC GRADE LINE	39.143 38.843	39.694 39.871
INVERT LEVEL	38.843 38.643	39.329 39.404
FINISHED SURFACE LEVELS	40.139 40.139	40.468 40.468
EXISTING SURFACE LEVEL	39.894 39.894	40.297 40.297
CHAINAGE (Reach Length)	69.500 (69.500)	111.500 (42.000)

DESIGN FLOW (m3/s)	0.243	0.163	0.078
CAPACITY (m3/s)	0.328	0.248	0.111
AT GRADE VELOCITY (m/s)	1.16	1.15	1
PIPE SIZE (mm)	6000	5250	3750
GRADE DATUM	1 in 350	1 in 300	1 in 250
DEPTH TO INVERT	1.875 1.875	2.000 1.925	1.964 1.814
HYDRAULIC GRADE LINE	39.051 39.123	39.221 39.305 39.286	39.321 39.383 39.372
INVERT LEVEL	38.454 38.454	38.621 38.696	38.773 38.923
FINISHED SURFACE LEVELS	40.329 40.329	40.622 40.622	40.736 40.736
EXISTING SURFACE LEVEL	40.044 40.044	40.244 40.244	40.347 40.347
CHAINAGE (Reach Length)	58.500 (58.500)	59.500 (22.950)	81.450 (24.800)

P:\2024\2024-ALAMORA - STAGE 19 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
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A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 19
DRAINAGE LONG SECTIONS - 1**

STATUS

ISSUED FOR CONSTRUCTION

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

DESIGNED	PROJECT ENGINEER	
I.HOGAN	M.TROUNCE	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.19	R600	0

Planning and Environment Act 1987
Wyndham Planning Scheme

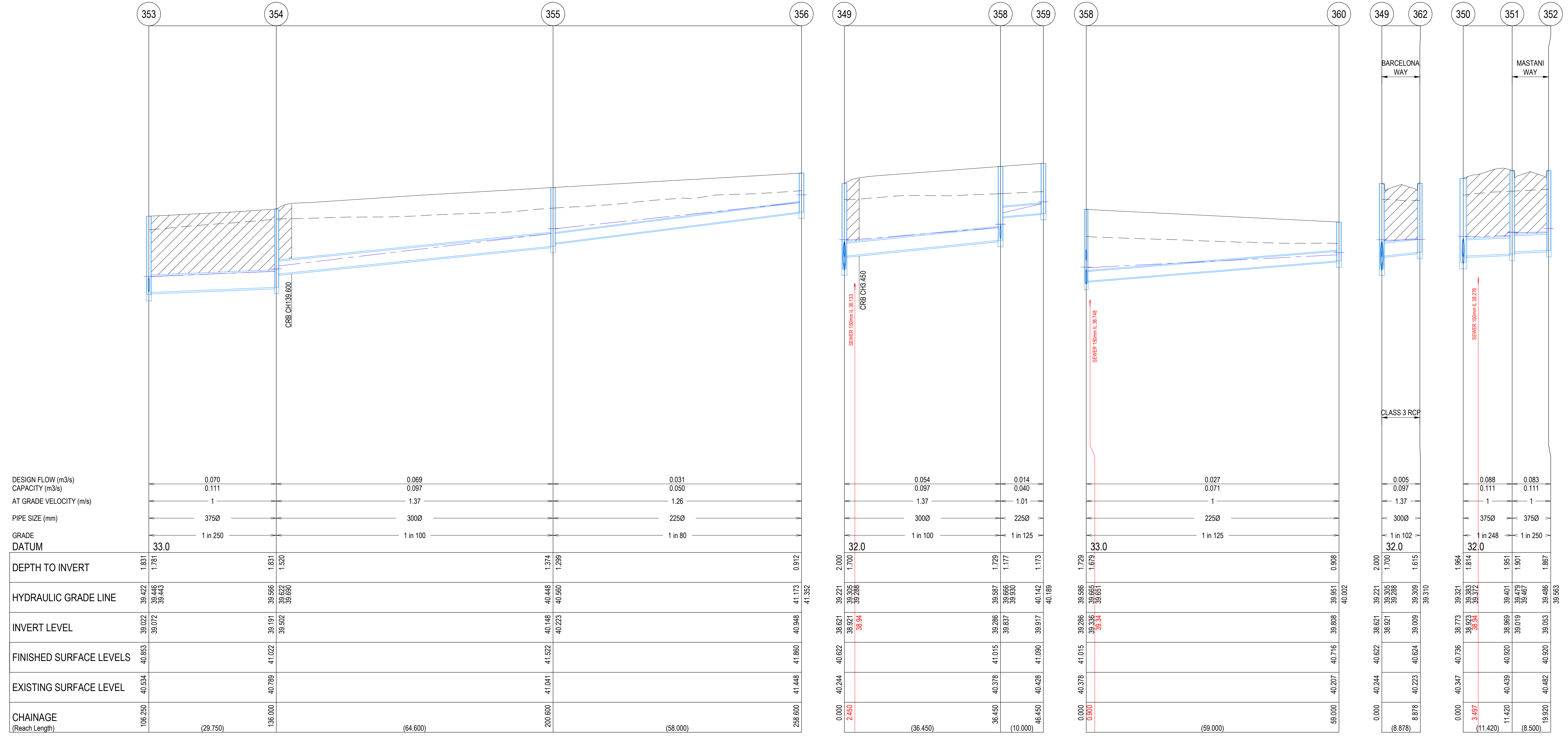
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under Condition 40
Permit No WYP10817/18
Date 2024/09/19

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



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE



ALAMORA - STAGE 19
DRAINAGE LONG SECTIONS - 2

ISSUED FOR CONSTRUCTION

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

DESIGNED	I.HOGAN		PROJECT ENGINEER	M.TROUNCE	
DRAWN	I.HOGAN		PROJECT MANAGER	M.TROUNCE	
PROJECT No.	200282.19		DRAWING No.	R601	
REVISION				0	

P:\2024\200282 - ALAMORA - STAGE 19\DRAWING\20240919 - R601 - DRAINAGE LONG SECTIONS.DWG

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Wyndham Planning Scheme**

**Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19**

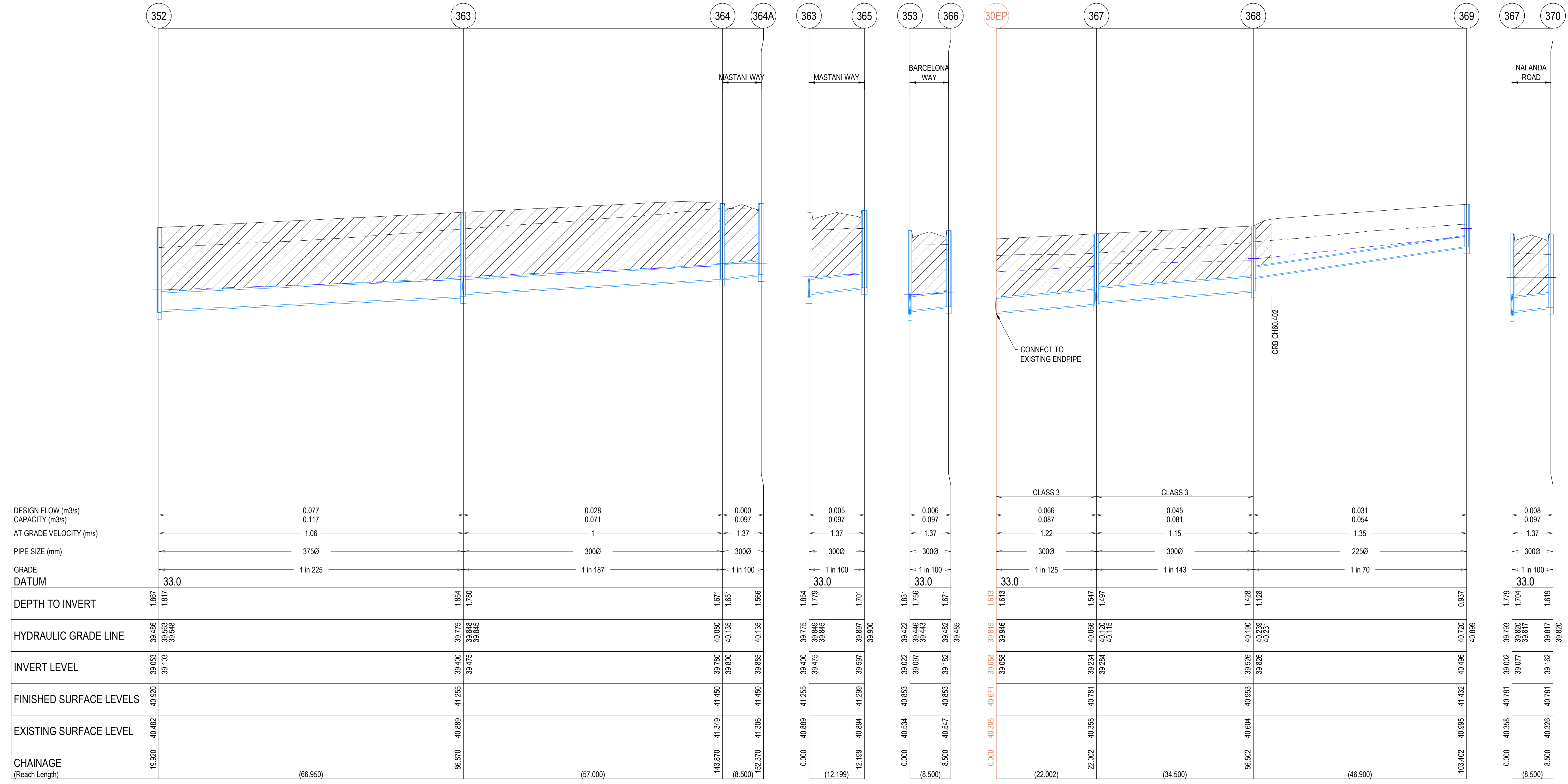
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LEGEND

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



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
D	25/07/24	30EP-367-368 PIPE CLASS UPDATED	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

**ALAMORA - STAGE 19
DRAINAGE LONG SECTIONS - 3**

STATUS

ISSUED FOR CONSTRUCTION

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

DESIGNED

I.HOGAN

DRAWN

I.HOGAN

PROJECT No.

200282.19

PROJECT ENGINEER

M.TROUNCE

PROJECT MANAGER

M.TROUNCE

DRAWING No.

R602

REVISION

0

P:\2020\20282 - ALAMORA - TARNET\10002 - CIVIL\2 - DRAINAGE LONG SECTIONS.DWG

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

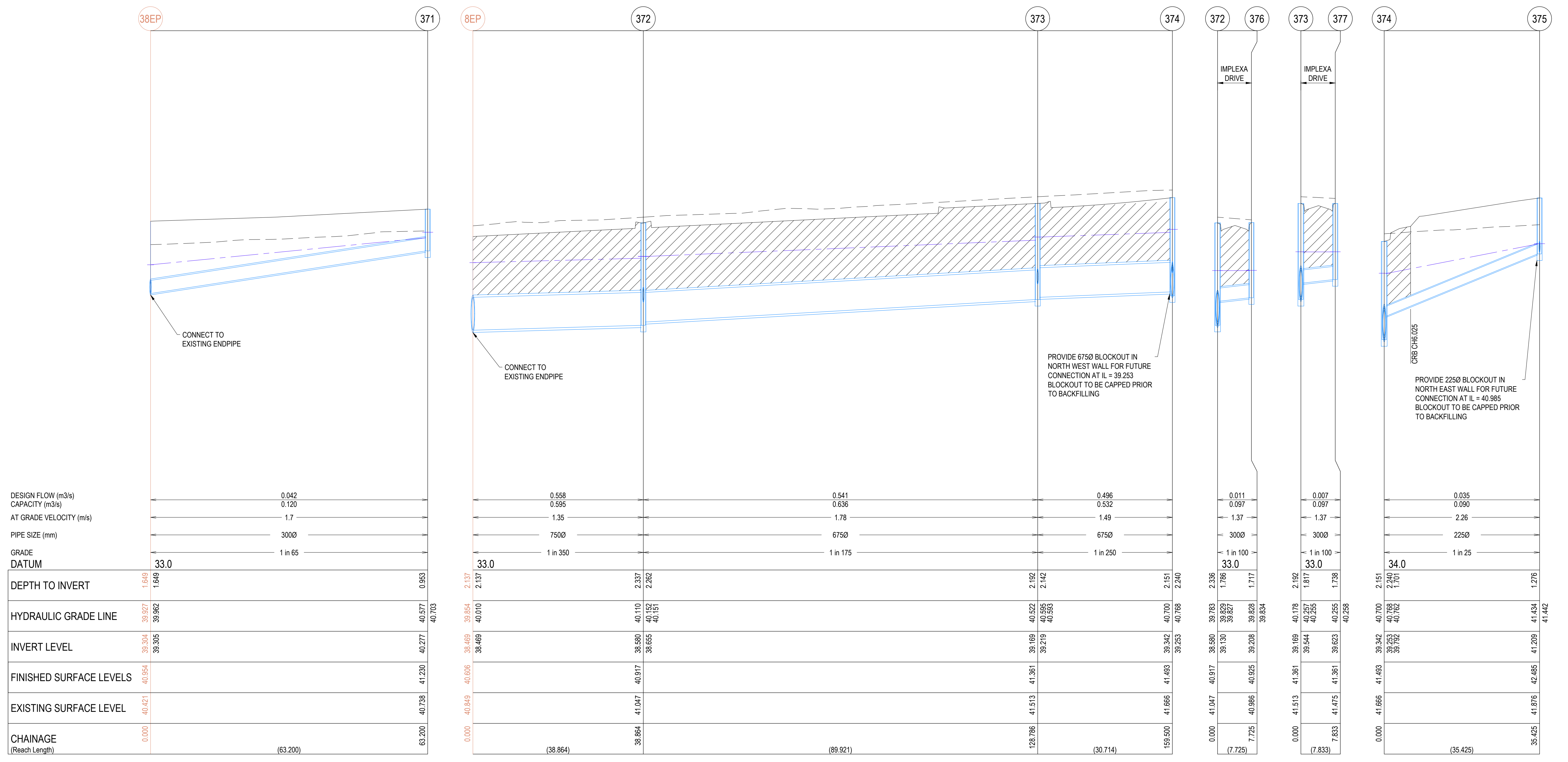
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LEGEND

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



P:\2024\20282- ALAMORA - STAGE 19\DRAWINGS\AC\ROADS & DRAINAGE\20282-19- R603 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

ALAMORA - STAGE 19
DRAINAGE LONG SECTIONS - 4

STATUS

ISSUED FOR CONSTRUCTION

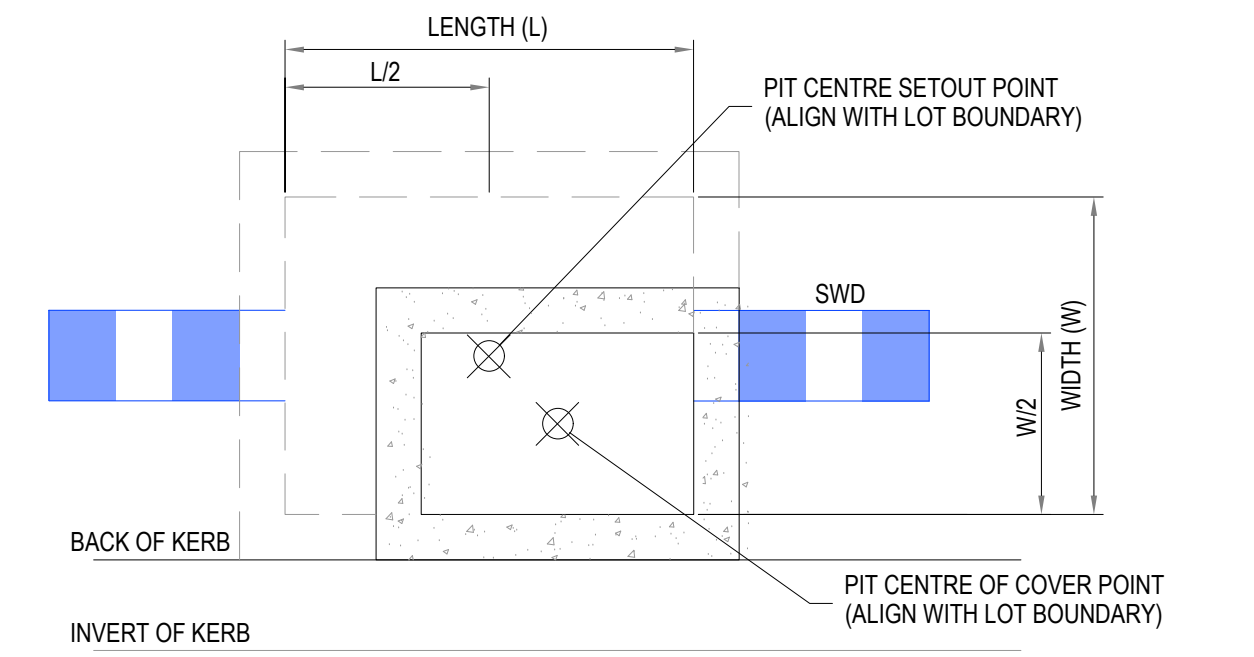
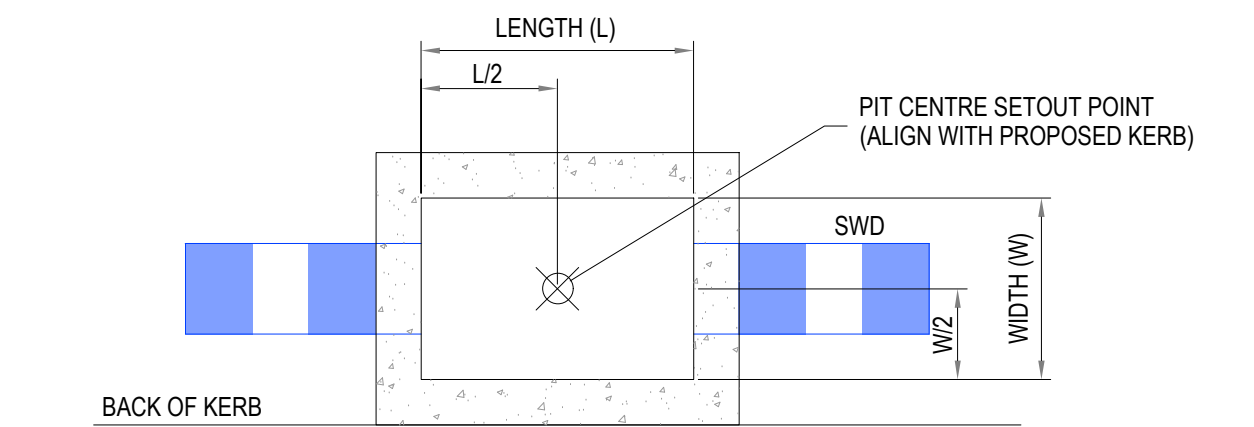
SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED	I.HOGAN	PROJECT ENGINEER	M.TROUNCE
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	200282.19	DRAWING No.	R603
REVISION			0

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 www.1100.com.au

PIT SCHEDULE											
PIT NAME	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVERT R.L.(m)	DIAMETER (mm)	INVERT R.L.(m)				
56EP	ENDPIPE					300	38.843	40.139	1.297		
				300	38.843						CONNECT TO EXISTING ENDPIPE
347	JUNCTION PIT	600	900	225	39.404	300	39.329	40.468	1.138	EDCM 605	
348	JUNCTION PIT	600	900			225	39.824	40.746	0.922	EDCM 605	
45EP	ENDPIPE					600	38.454	40.329	1.875		
				600	38.454						CONNECT TO EXISTING ENDPIPE
349	GRATED SIDE ENTRY PIT	900	900	525	38.696	600	38.621	40.622	2.000	EDCM 601 & 607	HAUNCHED TO 600 X 900 COVER TOWARDS ROAD CENTRELINE (UNDER ROAD PAVEMENT/KERB).
				300	38.921						
				300	38.921						
350	GRATED SIDE ENTRY PIT	900	900	375	38.923	525	38.773	40.736	1.964	EDCM 601 & 607	HAUNCHED TO 600 X 900 COVER TOWARDS ROAD CENTRELINE (UNDER ROAD PAVEMENT/KERB).
351	GRATED SIDE ENTRY PIT	600	900	375	39.019	375	38.969	40.920	1.951	EDCM 601	
352	GRATED SIDE ENTRY PIT	600	900	375	39.103	375	39.053	40.920	1.867	EDCM 601	
				375	38.923						
353	GRATED SIDE ENTRY PIT	600	900	375	39.072	375	39.022	40.853	1.831	EDCM 601	
				300	39.097						
354	JUNCTION PIT	600	900	300	39.502	375	39.191	41.022	1.831	EDCM 605	
355	JUNCTION PIT	600	900	225	40.223	300	40.148	41.522	1.374	EDCM 605	
356	JUNCTION PIT	600	900			225	40.948	41.860	0.912	EDCM 605	
358	JUNCTION PIT	600	900	225	39.836	300	39.286	41.015	1.729	EDCM 605	
				225	39.336						
359	JUNCTION PIT	600	900			225	39.917	41.090	1.173	EDCM 605	
360	JUNCTION PIT	600	900			225	39.808	40.716	0.908	EDCM 605	
362	GRATED SIDE ENTRY PIT	600	900			300	39.009	40.624	1.615	EDCM 601	
363	GRATED SIDE ENTRY PIT	600	900			300	39.475	41.255	1.854	EDCM 601	
				300	39.475						
364	GRATED SIDE ENTRY PIT	600	900	300	39.800	300	39.780	41.450	1.671	EDCM 601	
364A	GRATED SIDE ENTRY PIT	600	900			300	39.885	41.450	1.566	EDCM 601	
365	GRATED SIDE ENTRY PIT	600	900			300	39.597	41.299	1.701	EDCM 601	
366	GRATED SIDE ENTRY PIT	600	900			300	39.182	40.853	1.671	EDCM 601	
30EP	ENDPIPE					300	39.058	40.671	1.613		
				300	39.058						CONNECT TO EXISTING ENDPIPE
367	GRATED SIDE ENTRY PIT	600	900	300	39.284	300	39.234	40.781	1.547	EDCM 601	
				300	39.254						
368	JUNCTION PIT	600	900	225	39.826	300	39.526	40.953	1.428	EDCM 605	
369	JUNCTION PIT	600	900			225	40.496	41.432	0.937	EDCM 605	
370	GRATED SIDE ENTRY PIT	600	900			300	39.162	40.781	1.619	EDCM 601	
38EP	ENDPIPE					300	39.304	40.954	1.649		
				300	39.305						CONNECT TO EXISTING ENDPIPE
371	JUNCTION PIT	600	900			300	40.277	41.230	0.953	EDCM 605	
8EP	ENDPIPE					750	38.469	40.606	2.137		
				750	38.469						CONNECT TO EXISTING ENDPIPE
372	GRATED SIDE ENTRY PIT	1050	900	675	38.655	750	38.580	40.917	2.337	EDCM 601 & 607	HAUNCHED TO 600 X 900 COVER
				300	39.130						
373	GRATED SIDE ENTRY PIT	1050	900	675	39.219	675	39.169	41.361	2.192	EDCM 601 & 607	HAUNCHED TO 600 X 900 COVER
				300	39.544						
374	JUNCTION PIT	1050	900			675	39.342	41.493	2.240	EDCM 605 & 607	HAUNCHED TO 600 X 900 COVER
				225	39.792						
				FUT. 675	39.253						PROVIDE 675Ø BLOCKOUT IN NORTH WEST WALL FOR FUTURE CONNECTION AT IL = 39.253 BLOCKOUT TO BE CAPPED PRIOR TO BACKFILLING
375	JUNCTION PIT	600	900			225	41.209	42.485	1.276	EDCM 605	
				FUT. 225	41.259						PROVIDE 225Ø BLOCKOUT IN NORTH EAST WALL FOR FUTURE CONNECTION AT IL = 41.259 BLOCKOUT TO BE CAPPED PRIOR TO BACKFILLING
376	GRATED SIDE ENTRY PIT	600	900			300	39.208	40.925	1.717	EDCM 601	
377	DOUBLE GRATED SIDE ENTRY PIT	600	900			300	39.623	41.361	1.738	EDCM 602	

- 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.



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

P:\2024\2024-ALAMORA - STAGE 19 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	PIT 377 DOUBLE GEP	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

villawood
properties
Communities Designed for Living

PROJECT

creo
CIVIL

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

DRAWING TITLE

ALAMORA - STAGE 19
PIT SCHEDULE

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1:

DESIGNED

I.HOGAN

DRAWN

I.HOGAN

PROJECT ENGINEER

M.TROUNCE

PROJECT MANAGER

M.TROUNCE

PROJECT No.

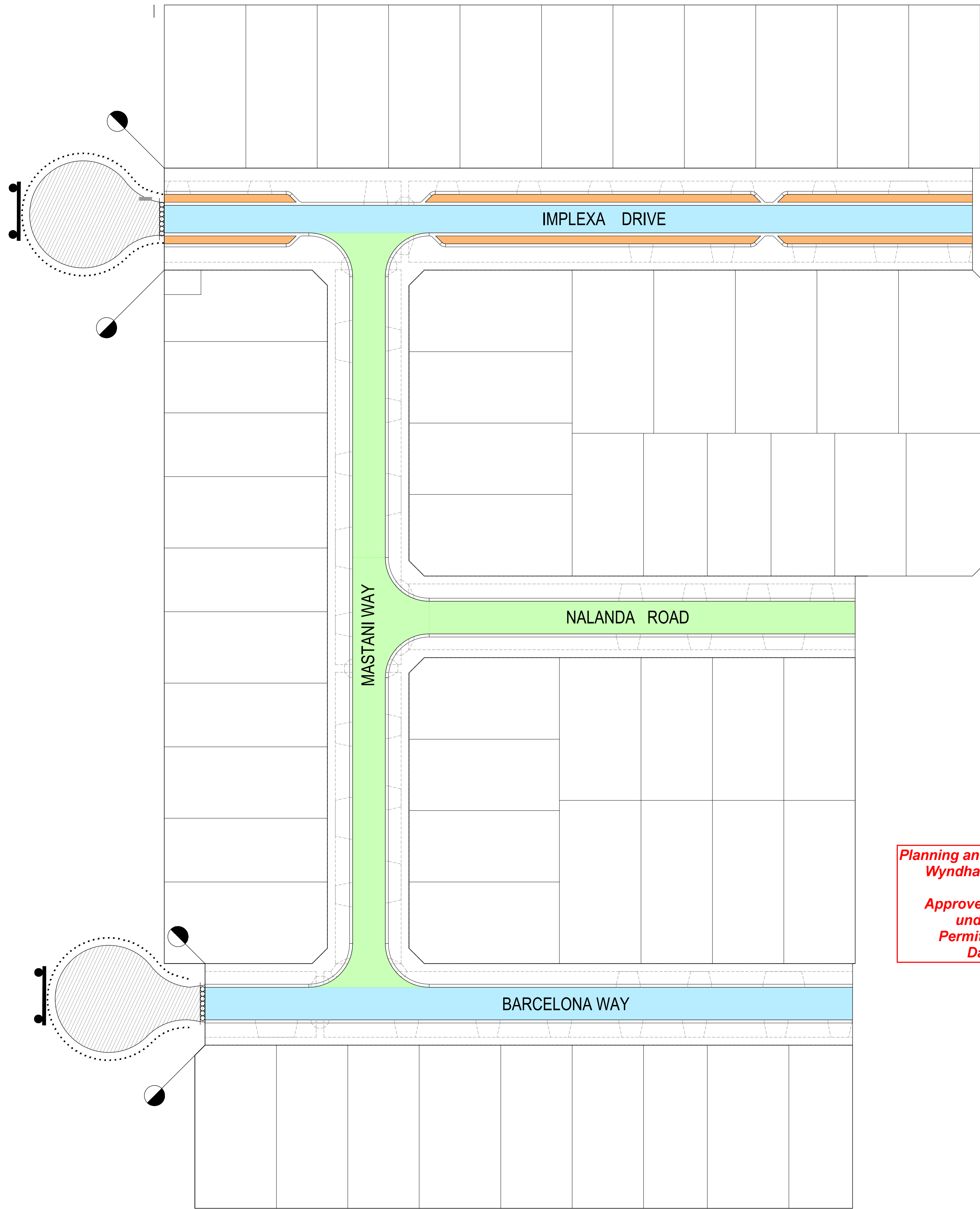
200282.19

DRAWING No.

R604

REVISION

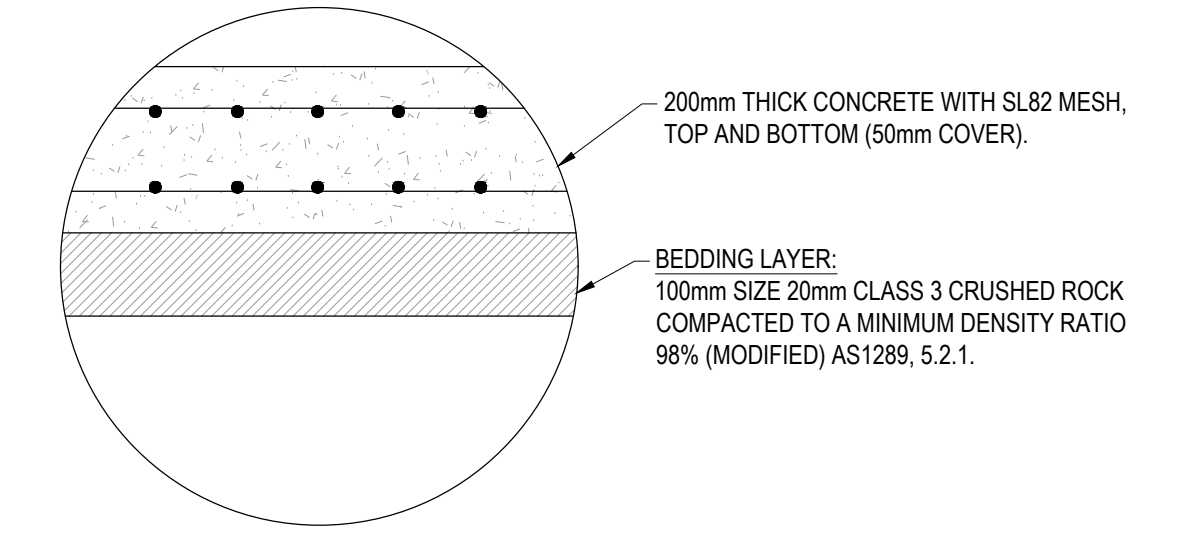
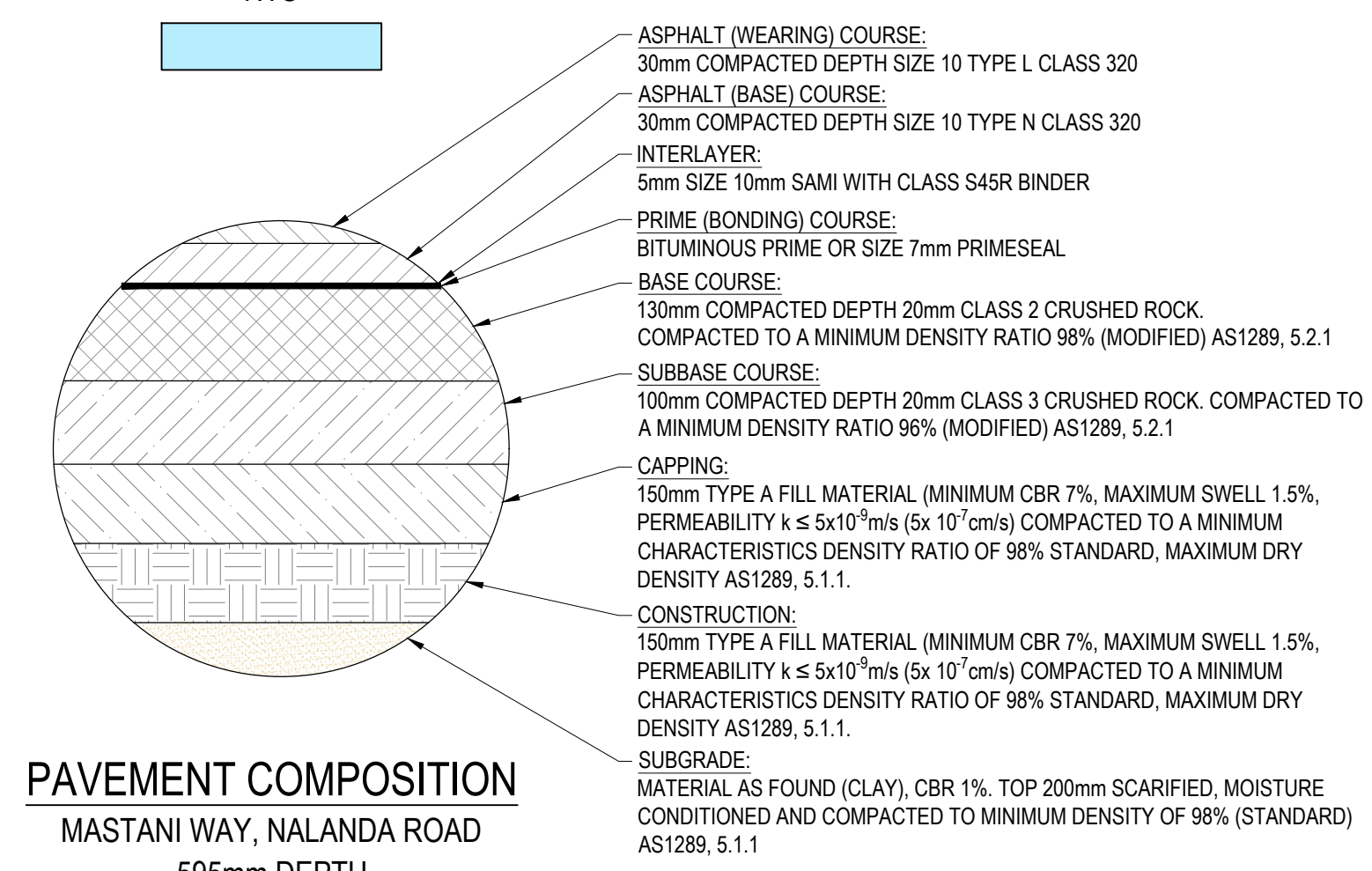
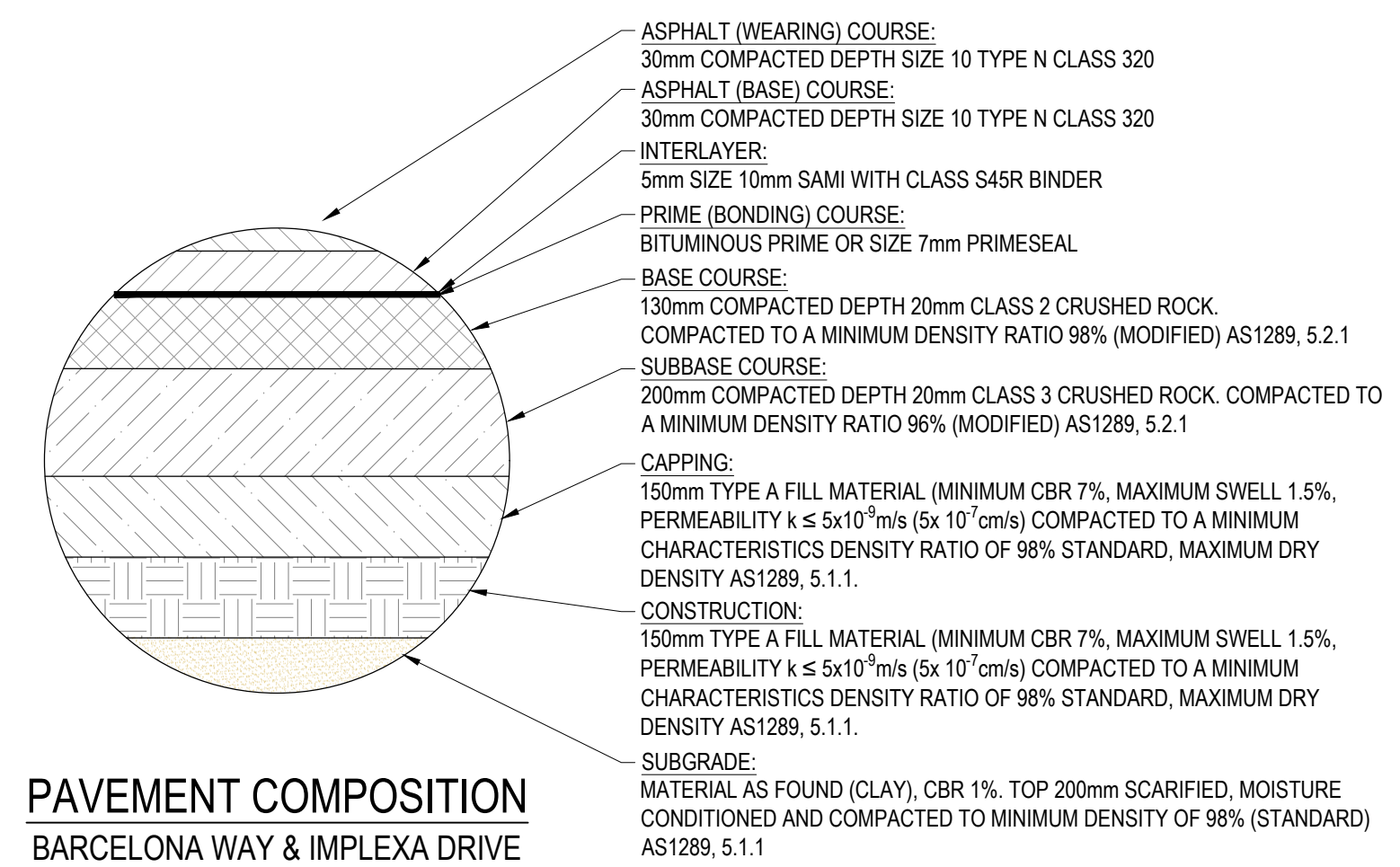
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PAVEMENT DESIGNS
 ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN TAYLOR. CREO IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS 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
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
 PAVEMENT LAYERS ARE TO BE CONSTRUCTED AND COMPACTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS AND REQUIREMENTS.



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	IMPLEXA DR PARKING BAY PAVEMENT	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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

ALAMORA
Tarnait

DRAWING TITLE
 ALAMORA - STAGE 19
 TYPICAL DETAILS - 1

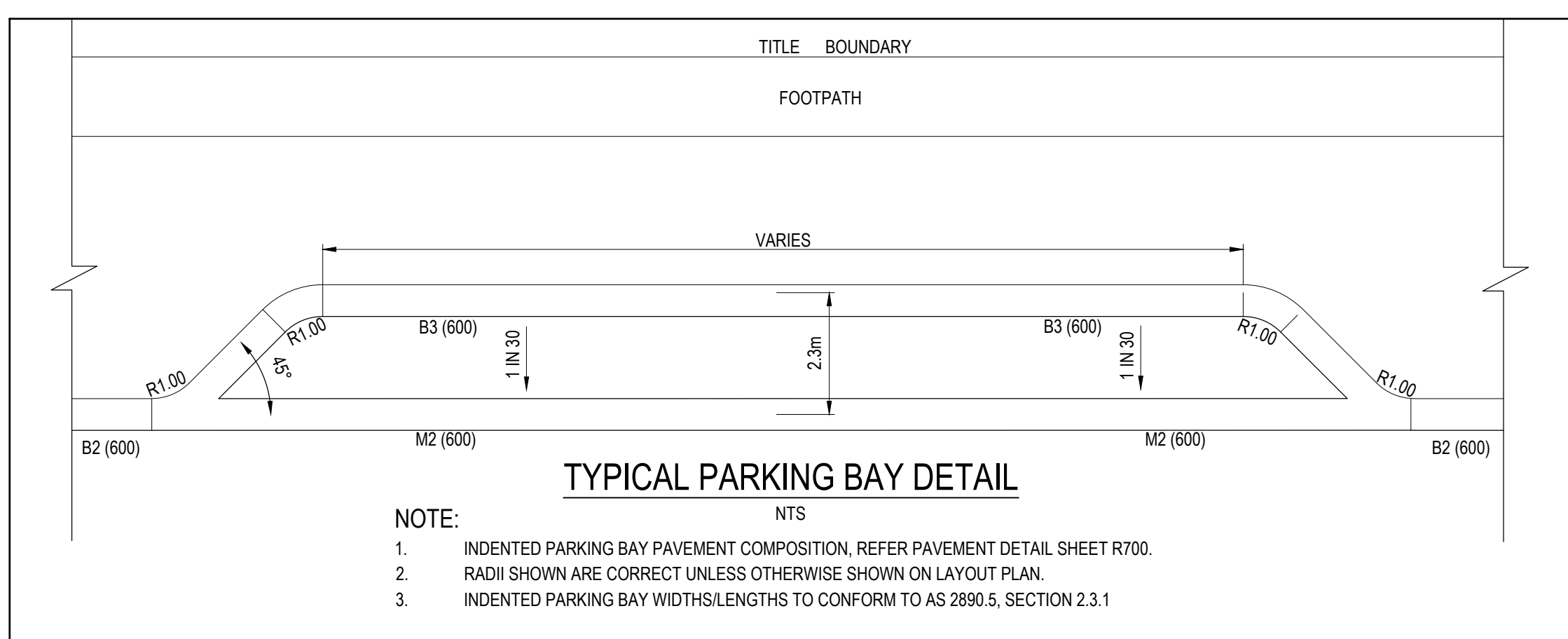
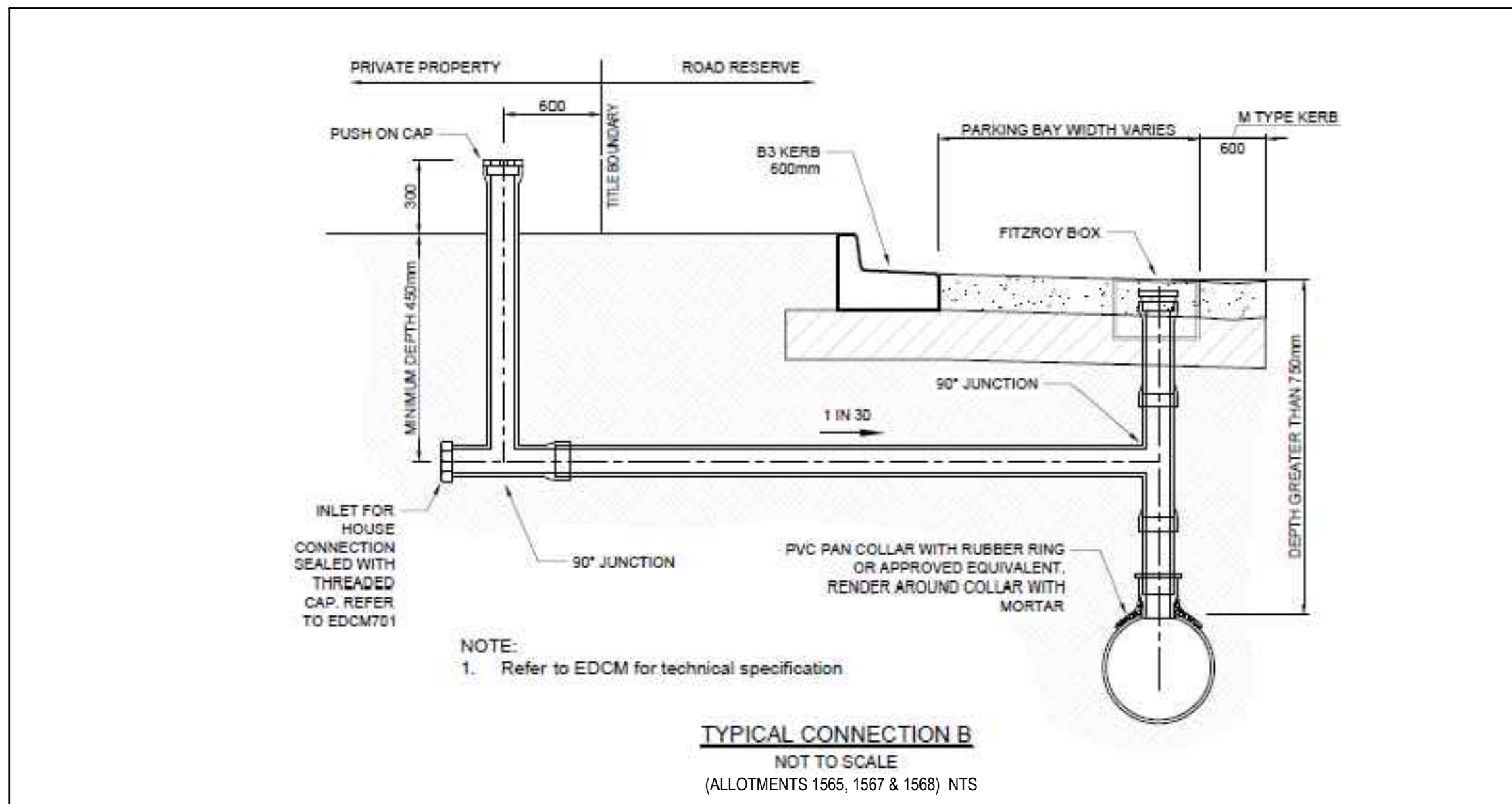
STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1:
AS SHOWN

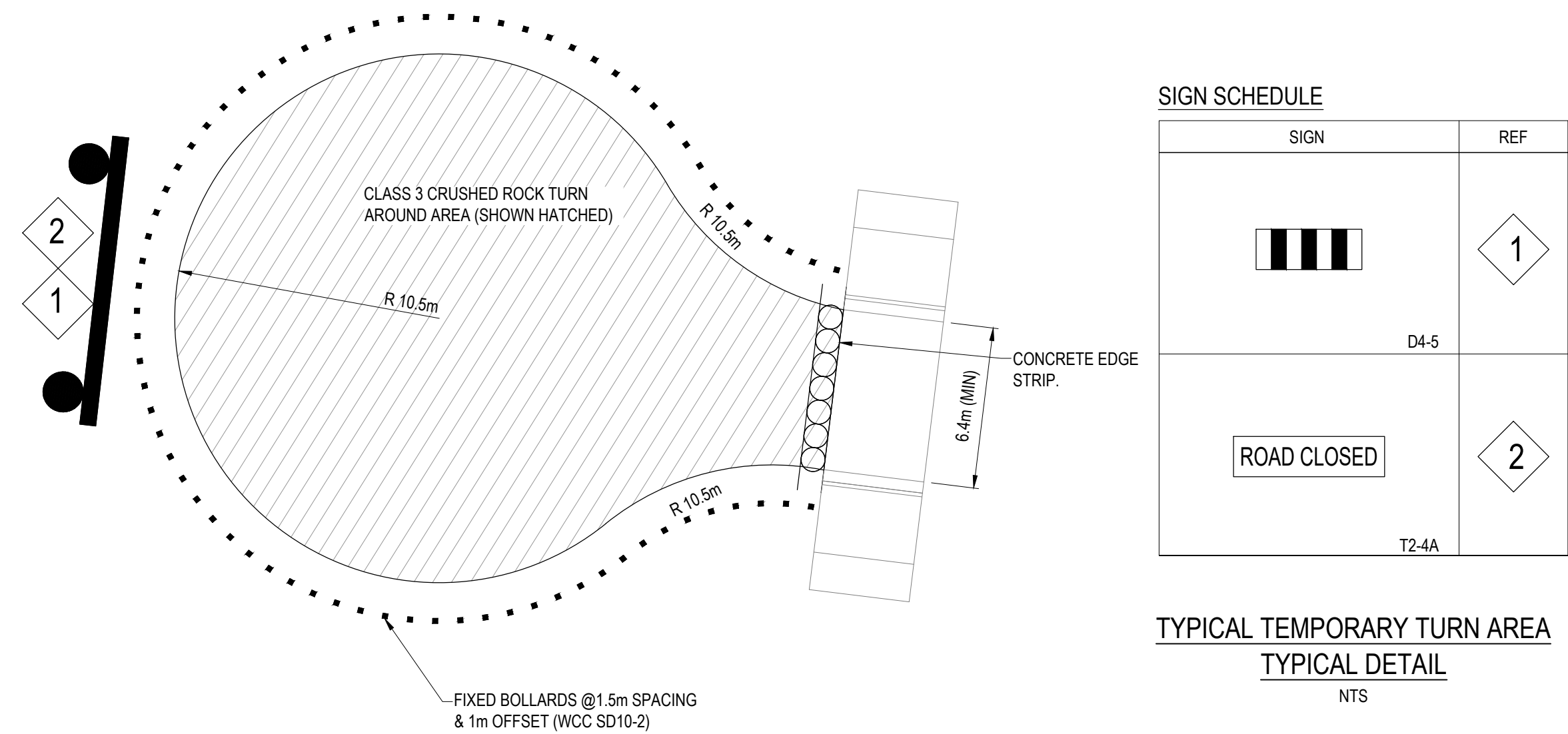
DESIGNED	PROJECT ENGINEER	
I.HOGAN	M.TROUNCE	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.19	R700	0

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



Planning and Environment Act 1987
Wyndham Planning Scheme
Approved Plan As Required
under Condition 40
Permit No WYP10817/18
Date 2024/09/19



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	TYPICAL PARKING BAY DETAIL REVISED	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 19
TYPICAL DETAILS - 2

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1:

AS SHOWN

DESIGNED

I.HOGAN

DRAWN

I.HOGAN

PROJECT ENGINEER

M.TROUNCE

PROJECT MANAGER

M.TROUNCE

PROJECT No.

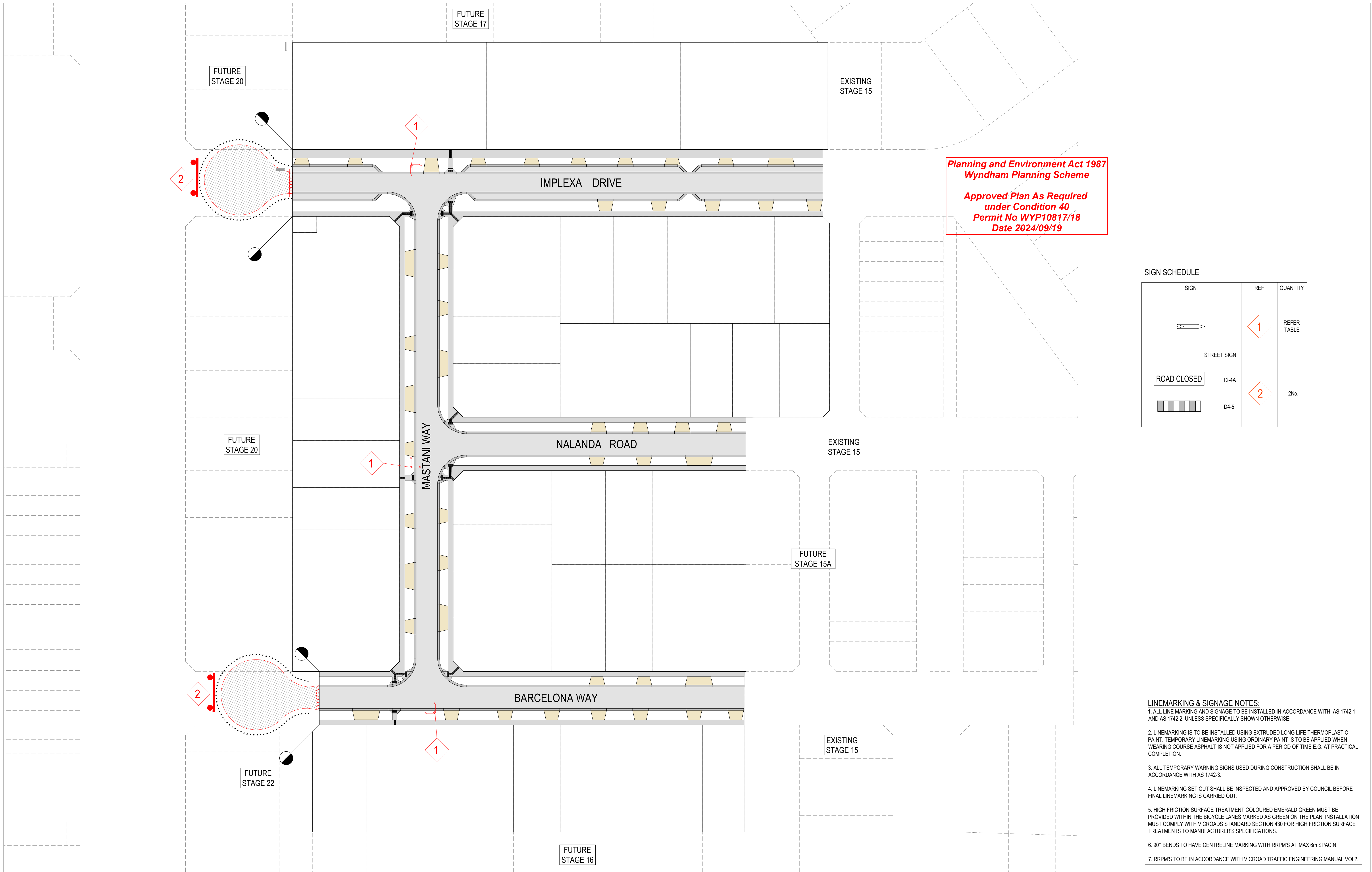
200282.19

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 2024/09/19**

SIGN SCHEDULE

SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN		
	T2-4A	2No.
	D4-5	

- LINEMARKING & SIGNAGE NOTES:**
- ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
 - LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
 - ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
 - LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
 - 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.
 - 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACIN.
 - RRPMS TO BE IN ACCORDANCE WITH VICROAD TRAFFIC ENGINEERING MANUAL VOL2.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	A.WALE	A.WALE	M.TROUNCE
C	12/07/24	ISSUED FOR APPROVAL	A.WALE	A.WALE	M.TROUNCE
B	23/05/24	TENDER ISSUE	I.HOGAN	S.MURAD	M.TROUNCE
A	22/03/24	PRELIMINARY ISSUE	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT

Communities Designed for Living

creo CIVIL

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

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 19
SIGNAGE & LINEMARKING**

STATUS

**ISSUED FOR
CONSTRUCTION**

SCALE @ A1 : 1:500

DESIGNED	PROJECT ENGINEER	
I.HOGAN	M.TROUNCE	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.19	R800	0

Project:	Alamora Stage 19
Job No.:	200282.19
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.

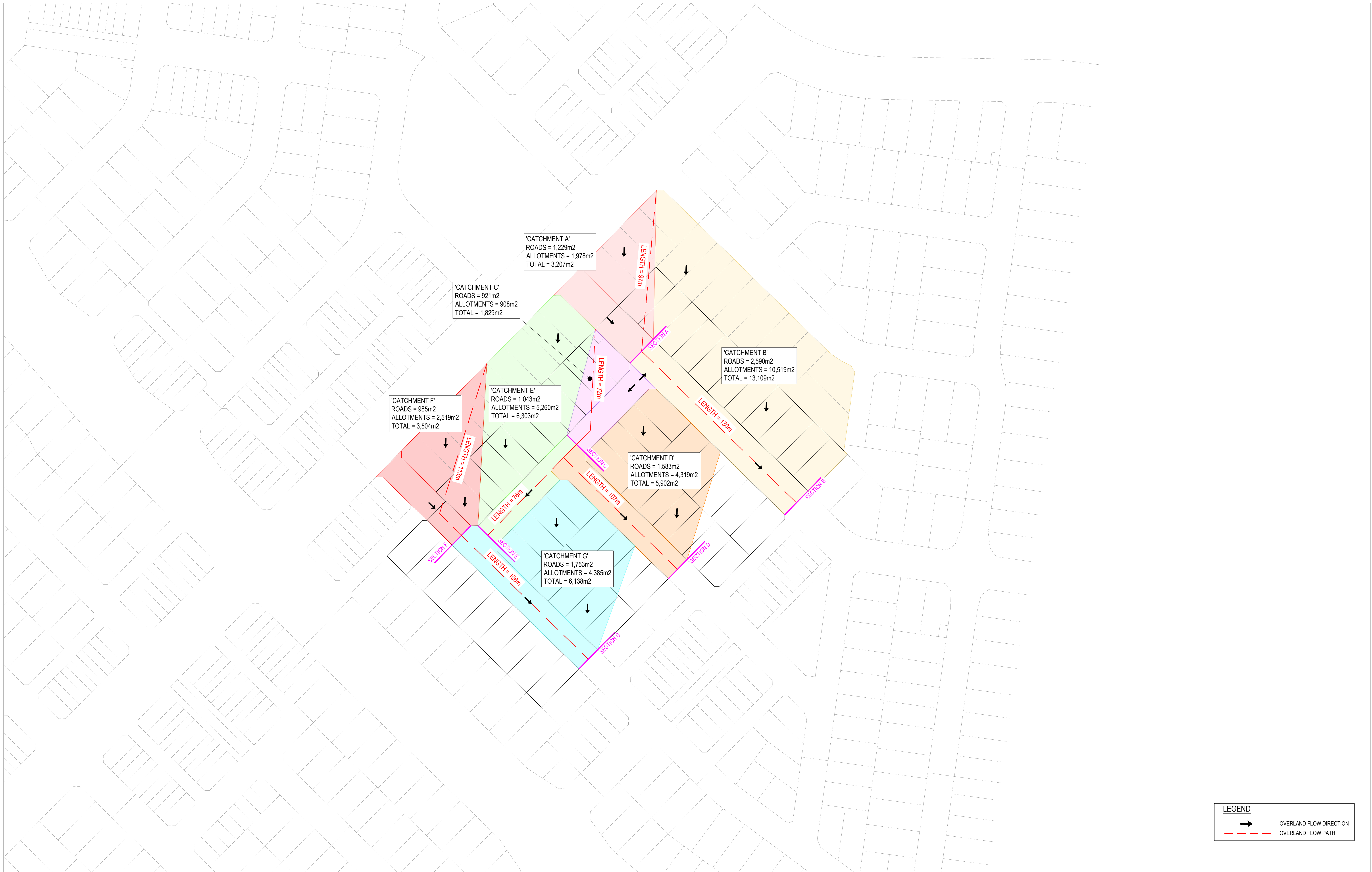


Prepared by:	M.Plant
Revision:	0
Date:	14/08/2024

ZONE	Residential	Roads	Public Land
LAND USE	Residential high	Road Zone Category 2	Public Park and Recreation Zone
C5	0.713	0.57	0.32
C10	0.751	0.602	0.341
C100	0.901	0.722	0.409

CATCHMENT AREAS	ha	ha	ha	Sub Area
A	0.20	0.12		0.32
B	1.05	0.26		1.31
C	0.09	0.09		0.18
D	0.43	0.16		0.59
E	0.53	0.10		0.63
F	0.25	0.10		0.35
G	0.44	0.18		0.61
TOTAL	2.99	1.01		4.00

NODE	DESCRIPTION	CONTRIBUTING CATCHMENTS	Residential high	Road Zone Category 2	Public Park and Recreation Zone	Total Area	TIME OF CONCENTRATION			5 YEAR FLOW			100 YEAR FLOW			PIPE ARI	GAP FLOW
							Critical Catchment	Calculated Tc	Adopted tc	A _e	I	Q	A _e	I	Q		
			ha	ha	ha	ha		min	min	ha	mm/hr	m ³ /s	ha	mm/hr	m ³ /s		m ³ /s
A	SECTION A	A	0.20	0.12		0.32	A	6.6	6.6	0.21	74.2	0.04	0.27	154.0	0.11	5 YEAR FLOW	0.071
B	SECTION B	A B	1.25	0.38		1.63	A	8.8	8.8	1.11	65.7	0.20	1.40	137.4	0.54	5 YEAR FLOW	0.333
C	SECTION C	C	0.09	0.09		0.18	C	6.2	6.2	0.12	76.1	0.02	0.15	157.7	0.06	5 YEAR FLOW	0.040
D	SECTION D	C D	0.52	0.25		0.77	C	8.0	8.0	0.52	68.5	0.10	0.65	143.1	0.26	5 YEAR FLOW	0.161
E	SECTION E	C E	0.62	0.20		0.81	C	7.5	7.5	0.55	70.5	0.11	0.70	147.0	0.28	5 YEAR FLOW	0.177
F	SECTION F	F	0.25	0.10		0.35	F	6.9	6.9	0.24	73.0	0.05	0.30	151.7	0.13	5 YEAR FLOW	0.078
G	SECTION G	C E F G	0.96	0.30		1.27	F	8.7	8.7	0.86	66.1	0.16	1.09	138.3	0.42	5 YEAR FLOW	0.260



LEGEND

→ OVERLAND FLOW DIRECTION

- - - OVERLAND FLOW PATH

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	I.HOGAN	S.MURAD	M.TROUNCE

villawood properties
Communities Designed for Living

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

ALAMORA
Tarnait

DRAWING TITLE
ALAMORA - STAGE 19
Q100 CATCHMENT PLAN

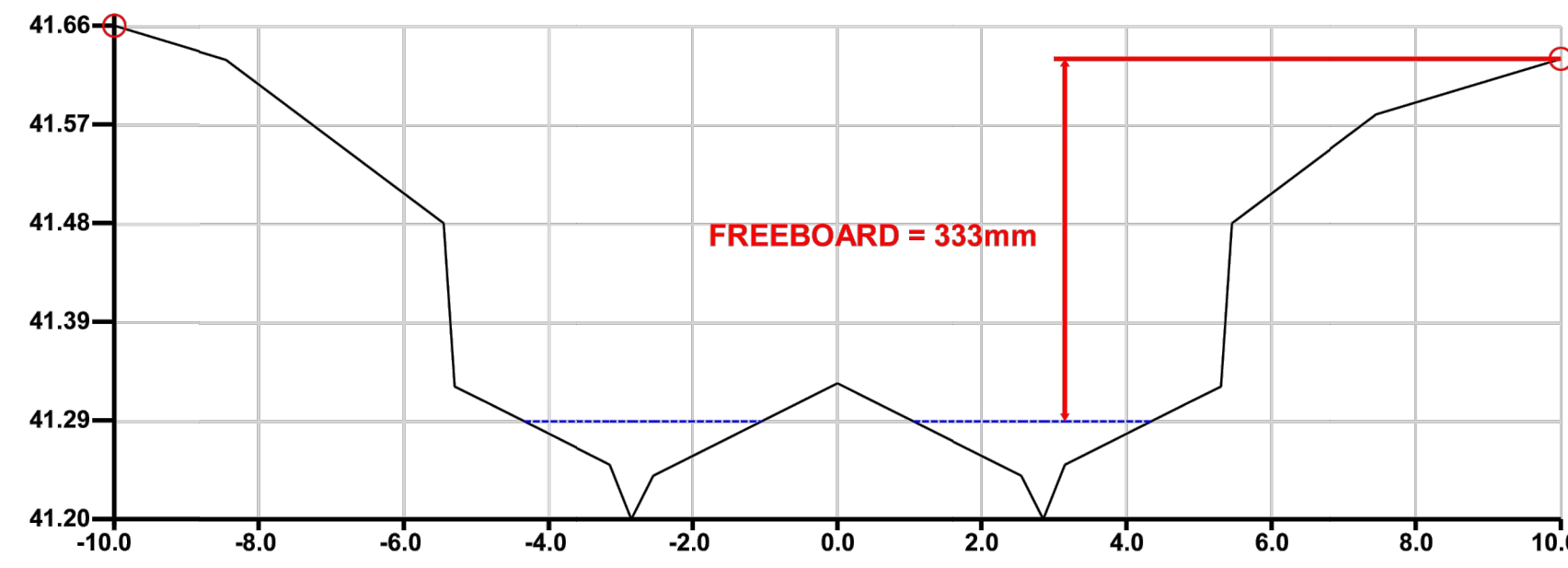
STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:1000

DESIGNED I.HOGAN	PROJECT ENGINEER M.TROUNCE
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.19	DRAWING No. C100
	REVISION 0

PROJECT: 200282 Alamora
SECTION A
Print-out date: 23/10/2023 - Time: 8:16
Data File: SECTION A.pcc

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event

Total discharge = 0.071 cumecs

There is no pipe discharge
Overland / Channel / Watercourse discharge = 0.071 cumecs

3. RESULTS: Water surface elevation = 41.294m

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	0.07	0.00	0.07
D(Max) = Max. Depth (m):	0.00	0.09	0.00	0.09
D(Ave) = Ave. Depth (m):	0.00	0.03	0.00	0.03
V = Ave. Velocity (m/s):	0.00	0.35	0.00	0.35
D(Max) x V (cumecs/m):	0.00	0.03	0.00	0.03
D(Ave) x V (cumecs/m):	0.00	0.01	0.00	0.01
Froude Number:	0.00	0.63	0.00	N/A
Area (m ²):	0.00	0.20	0.00	0.20
Wetted Perimeter (m):	0.00	6.60	0.00	6.60
Flow Width (m):	0.00	6.59	0.00	6.59
Hydraulic Radius (m):	0.00	0.03	0.00	0.03
Composite Manning's n:	0.000	0.020	0.000	N/A
Split Flow?	-	-	-	Yes

4. CROSS-SECTION DATA:

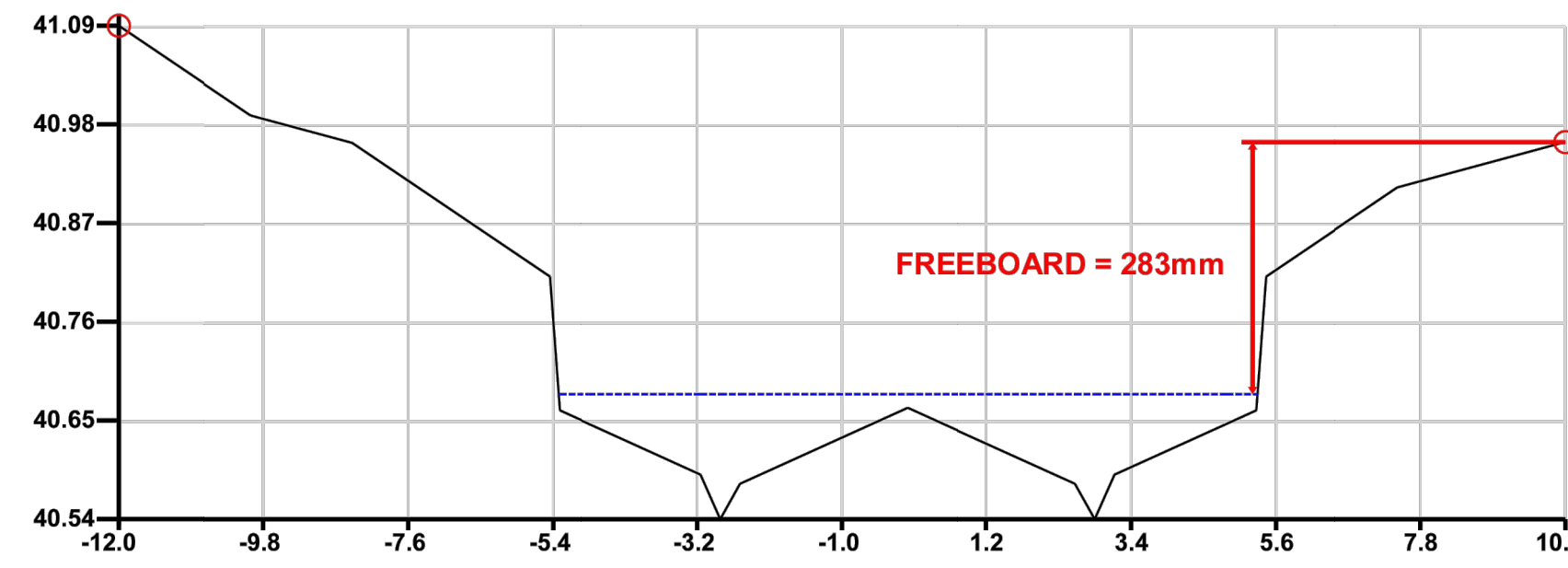
SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-10.000	41.657	-9.950	41.656	0.020
2	-9.950	41.656	-8.450	41.626	0.020
3	-8.450	41.626	-5.450	41.476	0.020
4	-5.450	41.476	-5.300	41.326	0.020
5	-5.300	41.326	-4.850	41.311	0.020
6	-4.850	41.311	-3.150	41.254	0.020
7	-3.150	41.254	-2.850	41.204	0.020
8	-2.850	41.204	-2.550	41.244	0.020
9	-2.550	41.244	0.000	41.329	0.020
10	0.000	41.329	0.000	41.329	0.020
11	0.000	41.329	2.550	41.244	0.020
12	2.550	41.244	2.850	41.204	0.020

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SECTION A

PROJECT: 200282 Alamora
SECTION B
Print-out date: 23/10/2023 - Time: 8:18
Data File: SECTION B.pcc

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event

Total discharge = 0.333 cumecs

There is no pipe discharge
Overland / Channel / Watercourse discharge = 0.333 cumecs

3. RESULTS: Water surface elevation = 40.676m

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	0.37	0.00	0.37
D(Max) = Max. Depth (m):	0.00	0.14	0.00	0.14
D(Ave) = Ave. Depth (m):	0.00	0.06	0.00	0.06
V = Ave. Velocity (m/s):	0.00	0.56	0.00	0.56
D(Max) x V (cumecs/m):	0.00	0.08	0.00	0.08
D(Ave) x V (cumecs/m):	0.00	0.03	0.00	0.03
Froude Number:	0.00	0.71	0.00	0.71
Area (m ²):	0.00	0.67	0.00	0.67
Wetted Perimeter (m):	0.00	10.67	0.00	10.67
Flow Width (m):	0.00	10.64	0.00	10.64
Hydraulic Radius (m):	0.00	0.06	0.00	0.06
Composite Manning's n:	0.000	0.020	0.000	0.020
Split Flow?	-	-	-	No

4. CROSS-SECTION DATA:

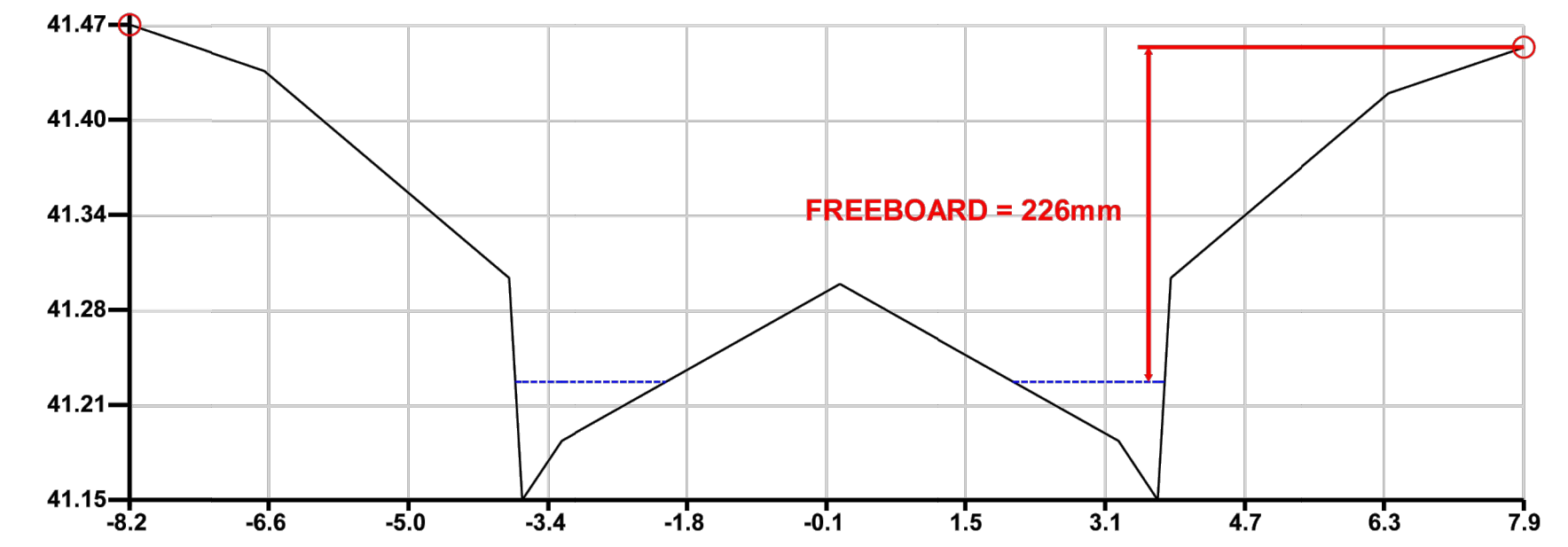
SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-12.000	41.089	-10.000	40.989	0.020
2	-10.000	40.989	-9.950	40.988	0.020
3	-9.950	40.988	-8.450	40.958	0.020
4	-8.450	40.958	-5.450	40.808	0.020
5	-5.450	40.808	-5.300	40.658	0.020
6	-5.300	40.658	-4.850	40.643	0.020
7	-4.850	40.643	-3.150	40.586	0.020
8	-3.150	40.586	-2.850	40.536	0.020
9	-2.850	40.536	-2.550	40.576	0.020
10	-2.550	40.576	0.000	40.661	0.020
11	0.000	40.661	0.000	40.661	0.020
12	0.000	40.661	2.550	40.576	0.020

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SECTION B

PROJECT: 200282 Alamora
Ch87.8
Print-out date: 23/10/2023 - Time: 8:20
Data File: Ch87.8.pcc

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event

Total discharge = 0.04 cumecs

There is no pipe discharge
Overland / Channel / Watercourse discharge = 0.040 cumecs

3. RESULTS: Water surface elevation = 41.227m

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	0.04	0.00	0.04
D(Max) = Max. Depth (m):	0.00	0.08	0.00	0.08
D(Ave) = Ave. Depth (m):	0.00	0.03	0.00	0.03
V = Ave. Velocity (m/s):	0.00	0.35	0.00	0.35
D(Max) x V (cumecs/m):	0.00	0.03	0.00	0.03
D(Ave) x V (cumecs/m):	0.00	0.01	0.00	0.01
Froude Number:	0.00	0.63	0.00	N/A
Area (m ²):	0.00	0.11	0.00	0.11
Wetted Perimeter (m):	0.00	3.55	0.00	3.55
Flow Width (m):	0.00	3.48	0.00	3.48
Hydraulic Radius (m):	0.00	0.03	0.00	0.03
Composite Manning's n:	0.000	0.020	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	-8.150	41.468	-8.100	41.467	0.020
2	-8.100	41.467	-6.600	41.437	0.020
3	-6.600	41.437	-3.800	41.297	0.020
4	-3.800	41.297	-3.650	41.147	0.020
5	-3.650	41.147	-3.200	41.187	0.020
6	-3.200	41.187	0.000	41.293	0.020
7	0.000	41.293	0.000	41.293	0.020
8	0.000	41.293	0.000	41.293	0.020
9	0.000	41.293	3.200	41.187	0.020
10	3.200	41.187	3.650	41.147	0.020
11	3.650	41.147	3.800	41.297	0.020
12	3.800	41.297	6.300	41.422	0.020

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SECTION C

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	I.HOGAN	S.MURAD	M.TROUNCE



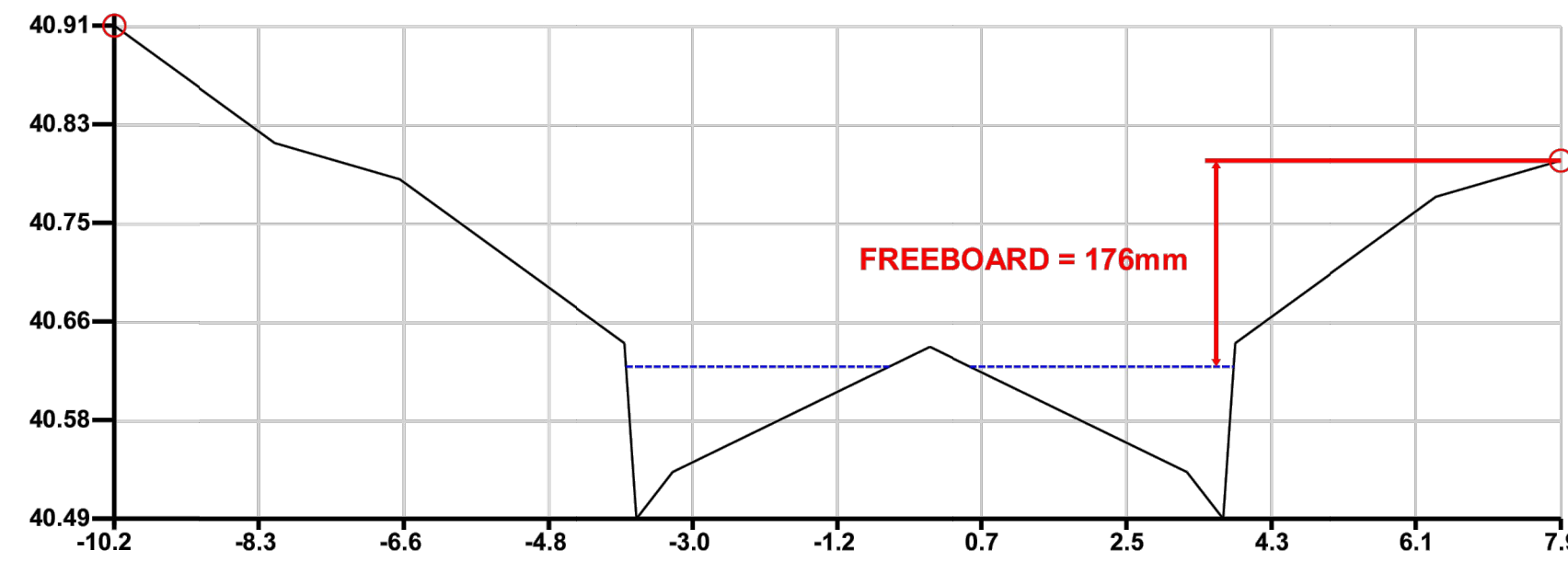
DRAWING TITLE
**ALAMORA - STAGE 19
Q100 CROSS SECTIONS - 1**

STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1:
AS SHOWN

DESIGNED	PROJECT ENGINEER	
I.HOGAN	M.TROUNCE	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.19	C101	0

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event

Total discharge = 0.161 cumecs

There is no pipe discharge

Overland / Channel / Watercourse discharge = 0.161 cumecs

3. RESULTS: Water surface elevation = 40.623m

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	0.18	0.00	0.18
D(Max) = Max. Depth (m):	0.00	0.13	0.00	0.13
D(Ave) = Ave. Depth (m):	0.00	0.05	0.00	0.05
V = Ave. Velocity (m/s):	0.00	0.50	0.00	0.50
D(Max) x V (cumecs/m):	0.00	0.07	0.00	0.07
D(Ave) x V (cumecs/m):	0.00	0.03	0.00	0.03
Froude Number:	0.00	0.69	0.00	N/A
Area (m ²):	0.00	0.36	0.00	0.36
Wetted Perimeter (m):	0.00	6.66	0.00	6.66
Flow Width (m):	0.00	6.54	0.00	6.54
Hydraulic Radius (m):	0.00	0.05	0.00	0.05
Composite Manning's n:	0.000	0.020	0.000	N/A
Split Flow?	-	-	-	Yes

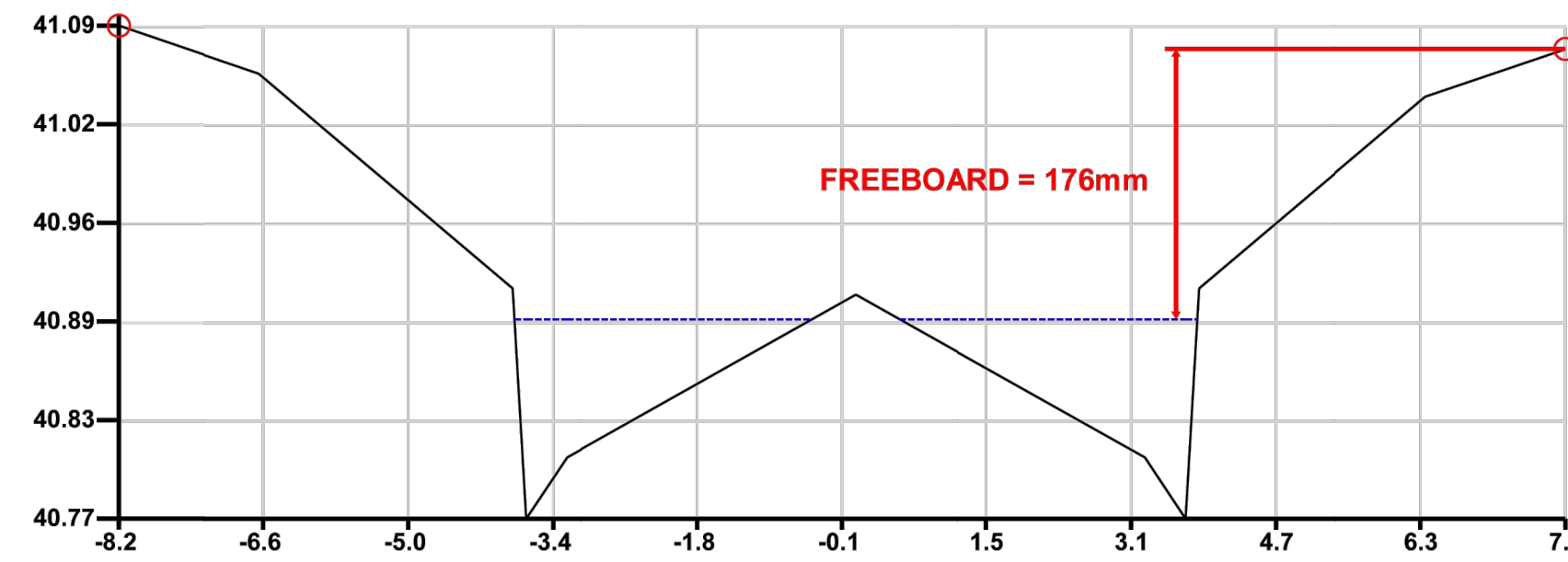
4. CROSS-SECTION DATA:

SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-10.150	40.914	-8.150	40.814	0.020
2	-8.150	40.814	-8.100	40.813	0.020
3	-8.100	40.813	-6.600	40.783	0.020
4	-6.600	40.783	-3.800	40.643	0.020
5	-3.800	40.643	-3.650	40.493	0.020
6	-3.650	40.493	-3.200	40.533	0.020
7	-3.200	40.533	0.000	40.640	0.020
8	0.000	40.640	0.000	40.640	0.020
9	0.000	40.640	0.000	40.640	0.020
10	0.000	40.640	3.200	40.533	0.020
11	3.200	40.533	3.650	40.493	0.020
12	3.650	40.493	3.800	40.643	0.020

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SECTION D

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event

Total discharge = 0.177 cumecs

There is no pipe discharge

Overland / Channel / Watercourse discharge = 0.177 cumecs

3. RESULTS: Water surface elevation = 40.896m

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	0.18	0.00	0.18
D(Max) = Max. Depth (m):	0.00	0.13	0.00	0.13
D(Ave) = Ave. Depth (m):	0.00	0.05	0.00	0.05
V = Ave. Velocity (m/s):	0.00	0.50	0.00	0.50
D(Max) x V (cumecs/m):	0.00	0.07	0.00	0.07
D(Ave) x V (cumecs/m):	0.00	0.03	0.00	0.03
Froude Number:	0.00	0.69	0.00	N/A
Area (m ²):	0.00	0.36	0.00	0.36
Wetted Perimeter (m):	0.00	6.71	0.00	6.71
Flow Width (m):	0.00	6.59	0.00	6.59
Hydraulic Radius (m):	0.00	0.05	0.00	0.05
Composite Manning's n:	0.000	0.020	0.000	N/A
Split Flow?	-	-	-	Yes

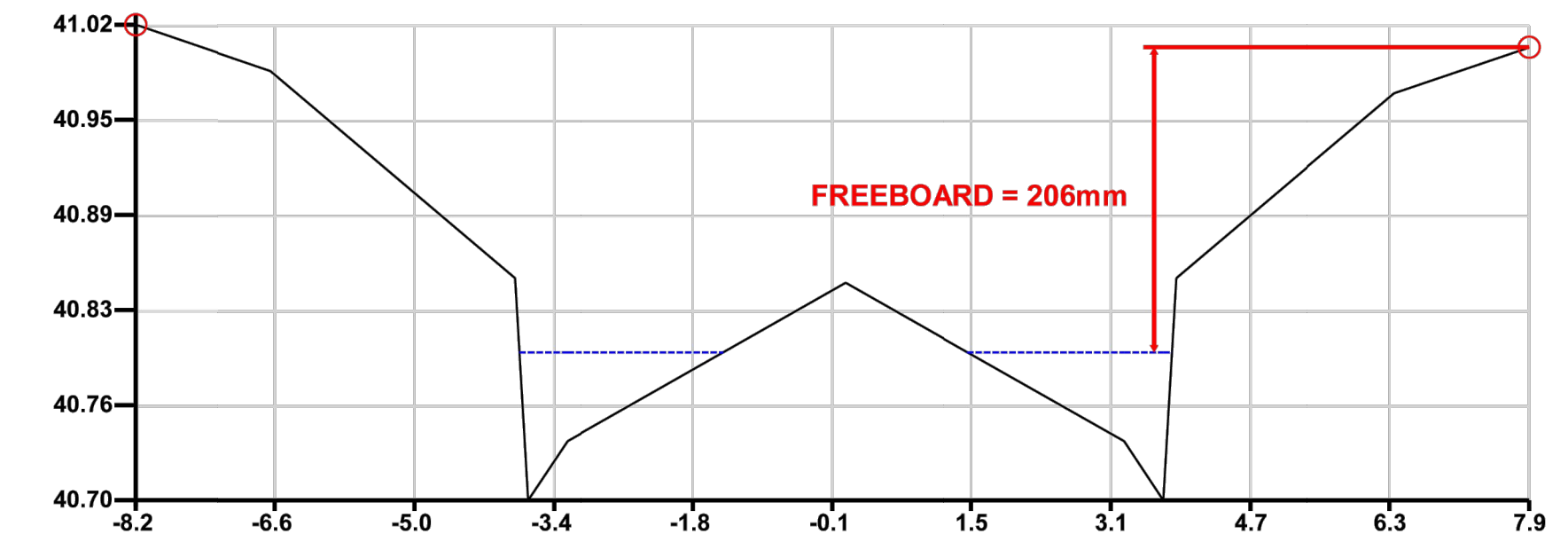
4. CROSS-SECTION DATA:

SEGMENT NO.	LEFT HAND POINT		RIGHT HAND POINT		MANNING'S N
	CHAINAGE (m)	R.L. (m)	CHAINAGE (m)	R.L. (m)	
1	-8.150	41.087	-8.100	41.086	0.020
2	-8.100	41.086	-6.600	41.056	0.020
3	-6.600	41.056	-3.800	40.916	0.020
4	-3.800	40.916	-3.650	40.766	0.020
5	-3.650	40.766	-3.200	40.806	0.020
6	-3.200	40.806	0.000	40.912	0.020
7	0.000	40.912	0.000	40.912	0.020
8	0.000	40.912	0.000	40.912	0.020
9	0.000	40.912	3.200	40.806	0.020
10	3.200	40.806	3.650	40.766	0.020
11	3.650	40.766	3.800	40.916	0.020
12	3.800	40.916	6.300	41.041	0.020

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SECTION E

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event

Total discharge = 0.078 cumecs

There is no pipe discharge

Overland / Channel / Watercourse discharge = 0.078 cumecs

3. RESULTS: Water surface elevation = 40.797m

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	0.08	0.00	0.08
D(Max) = Max. Depth (m):	0.00	0.10	0.00	0.10
D(Ave) = Ave. Depth (m):	0.00	0.04	0.00	0.04
V = Ave. Velocity (m/s):	0.00	0.41	0.00	0.41
D(Max) x V (cumecs/m):	0.00	0.04	0.00	0.04
D(Ave) x V (cumecs/m):	0.00	0.02	0.00	0.02
Froude Number:	0.00	0.65	0.00	N/A
Area (m ²):	0.00	0.19	0.00	0.19
Wetted Perimeter (m):	0.00	4.78	0.00	4.78
Flow Width (m):	0.00	4.69	0.00	4.69
Hydraulic Radius (m):	0.00	0.04	0.00	0.04
Composite Manning's n:	0.000	0.020	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	-8.150	41.018	-8.100	41.017	0.020
2	-8.100	41.017	-6.600	40.987	0.020
3	-6.600	40.987	-3.800	40.847	0.020
4	-3.800	40.847	-3.650	40.697	0.020
5	-3.650	40.697	-3.200	40.737	0.020
6	-3.200	40.737	0.000	40.844	0.020
7	0.000	40.844	0.000	40.844	0.020
8	0.000	40.844	0.000	40.844	0.020
9	0.000	40.844	3.200	40.737	0.020
10	3.200	40.737	3.650	40.697	0.020
11	3.650	40.697	3.800	40.847	0.020
12	3.800	40.847	6.300	40.972	0.020

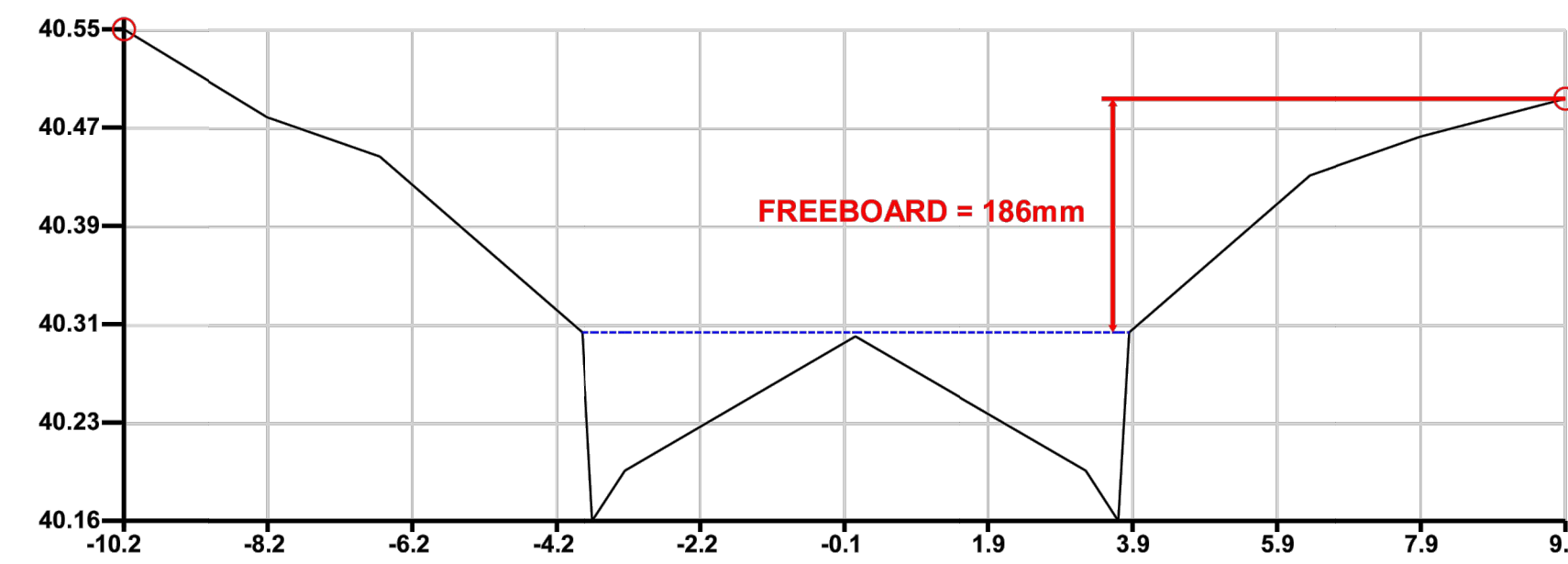
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SECTION F

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
0	13/08/24	ISSUED FOR CONSTRUCTION	I.HOGAN	S.MURAD	M.TROUNCE	 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220	 ALAMORA - STAGE 19 Q100 CROSS SECTIONS - 2	ISSUED FOR CONSTRUCTION SCALE @ A1: AS SHOWN	I.HOGAN I.HOGAN	M.TROUNCE M.TROUNCE
						PROJECT No:	200282.19	DRAWING No:	C102	REVISION:	0

PROJECT: 200282 Alamora
SECTION G
Print-out date: 23/10/2023 - Time: 8:25
Data File: SECTION G.pcc

1. CROSS-SECTION:



2. DISCHARGE INFORMATION:

100 year (1%) storm event
Total discharge = 0.26 cumecs
There is no pipe discharge
Overland / Channel / Watercourse discharge = 0.260 cumecs

3. RESULTS: Water surface elevation = 40.306m

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	0.29	0.00	0.29
D(Max) = Max. Depth (m):	0.00	0.15	0.00	0.15
D(Ave) = Ave. Depth (m):	0.00	0.07	0.00	0.07
V = Ave. Velocity (m/s):	0.00	0.57	0.00	0.57
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	0.71	0.00	0.71
Area (m ²):	0.00	0.50	0.00	0.50
Wetted Perimeter (m):	0.00	7.73	0.00	7.73
Flow Width (m):	0.00	7.60	0.00	7.60
Hydraulic Radius (m):	0.00	0.06	0.00	0.06
Composite Manning's n:	0.000	0.020	0.000	0.020
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	-10.150	40.547	-8.150	40.477	0.020
2	-8.150	40.477	-8.100	40.476	0.020
3	-8.100	40.476	-6.600	40.446	0.020
4	-6.600	40.446	-3.800	40.306	0.020
5	-3.800	40.306	-3.650	40.156	0.020
6	-3.650	40.156	-3.200	40.196	0.020
7	-3.200	40.196	0.000	40.303	0.020
8	0.000	40.303	0.000	40.303	0.020
9	0.000	40.303	0.000	40.303	0.020
10	0.000	40.303	3.200	40.196	0.020
11	3.200	40.196	3.650	40.156	0.020
12	3.650	40.156	3.800	40.306	0.020

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SECTION G

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	I.HOGAN	S.MURAD	M.TROUNCE

CLIENT



Communities Designed for Living

PROJECT



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

DRAWING TITLE



ALAMORA
Tarnait

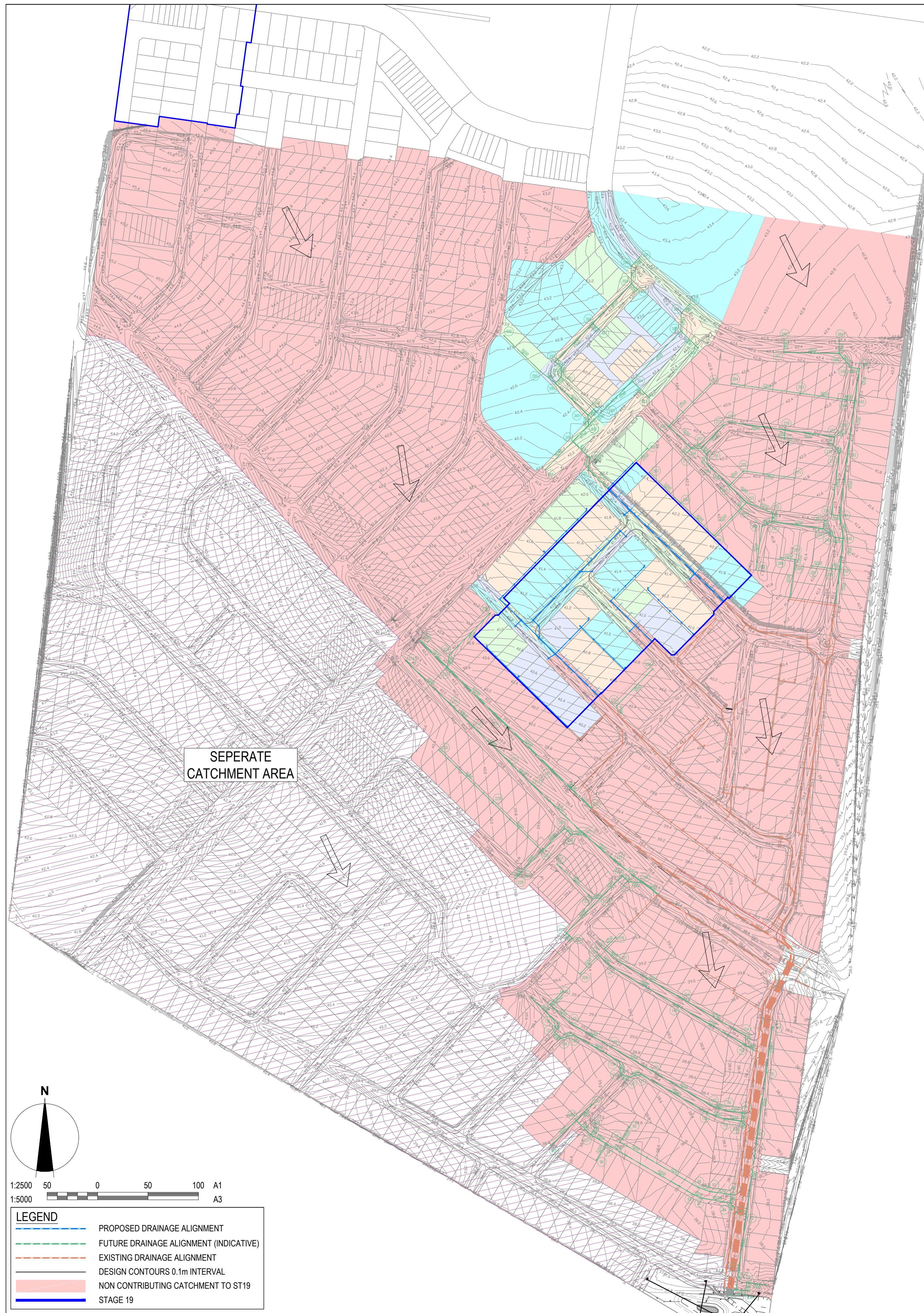
STATUS

ALAMORA - STAGE 19
Q100 CROSS SECTIONS - 3

ISSUED FOR CONSTRUCTION

SCALE @ A1:
AS SHOWN

DESIGNED	PROJECT ENGINEER	
I.HOGAN	M.TROUNCE	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.19	C103	0

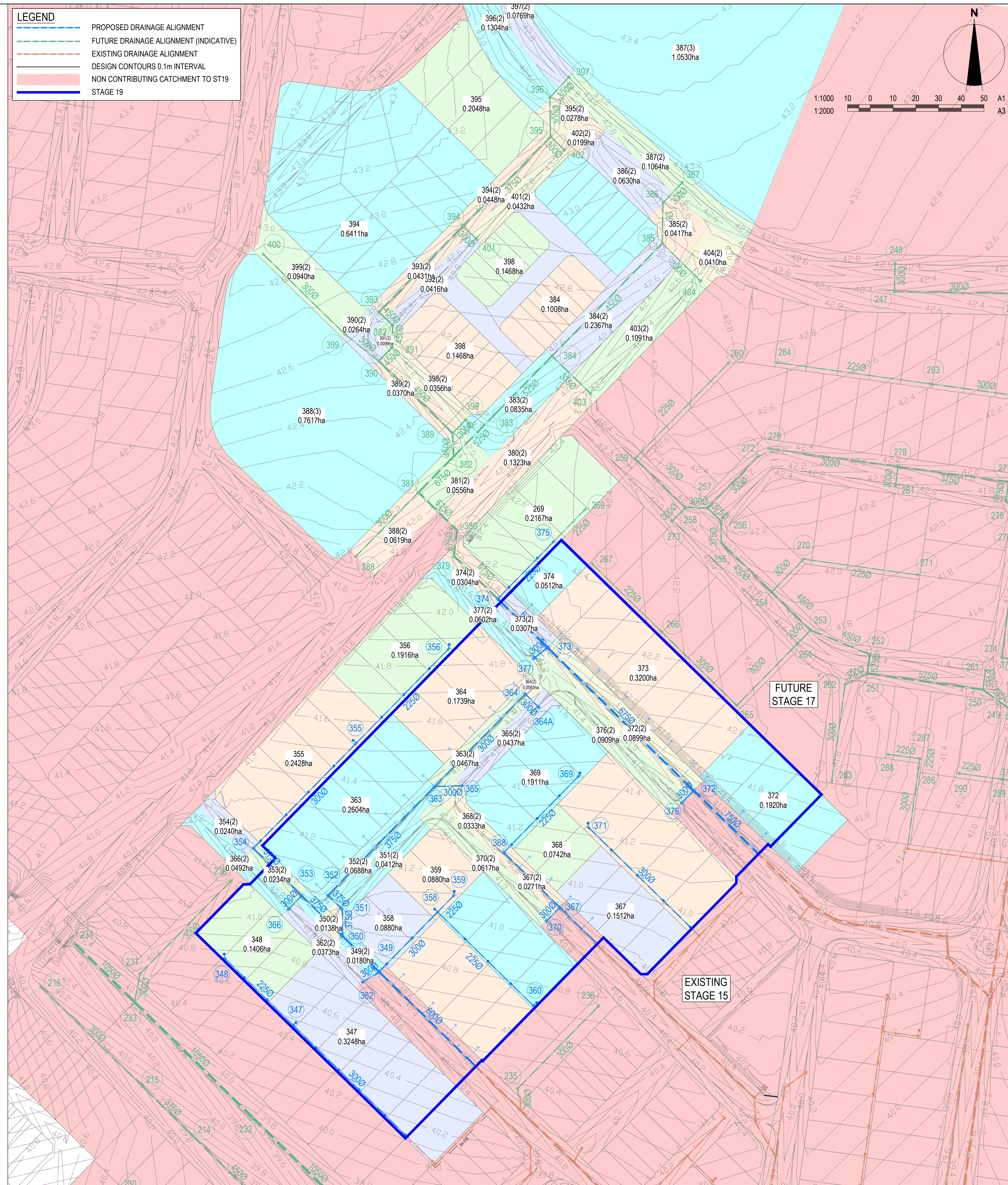


N

1:2500 0 50 100 A1
1:5000 0 10 20 30 40 50 A3

LEGEND

- PROPOSED DRAINAGE ALIGNMENT
- FUTURE DRAINAGE ALIGNMENT (INDICATIVE)
- EXISTING DRAINAGE ALIGNMENT
- DESIGN CONTOURS 0.1m INTERVAL
- NON CONTRIBUTING CATCHMENT TO ST19
- STAGE 19



LEGEND

- PROPOSED DRAINAGE ALIGNMENT
- FUTURE DRAINAGE ALIGNMENT (INDICATIVE)
- EXISTING DRAINAGE ALIGNMENT
- DESIGN CONTOURS 0.1m INTERVAL
- NON CONTRIBUTING CATCHMENT TO ST19
- STAGE 19

N

1:1000 10 0 10 20 30 40 50 A1
1:2000 10 0 10 20 30 40 50 A3

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	13/08/24	ISSUED FOR CONSTRUCTION	I.HOGAN	M.TROUNCE	M.TROUNCE
A	14/06/24	ISSUED FOR APPROVAL	I.HOGAN	M.TROUNCE	M.TROUNCE

CLIENT

Communities Designed for Living

creo CONSULTANTS

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

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 19
Q5 CATCHMENT PLAN**

STATUS

**ISSUED FOR
CONSTRUCTION**

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	I.HOGAN	I.HOGAN
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.19	C200	0

DATE:	13/08/2024
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)								
269	JP	292155.92	5807893.75	42.46	1P	5	82.4	0.71	0.2167	0.1545	0.1545	35.4
347	JP	292026.15	5807665.36	40.47	1P	5	82.4	0.71	0.3248	0.2316	0.2316	53
348	JP	291996.13	5807694.73	40.75	1P	5	82.4	0.71	0.1406	0.1002	0.1002	22.9
349	SEP-User Input	292064.11	5807689.14	40.62	1P	5	82.4	0.71	0.1856	0.1323	0.1426	31
					2P	6	78.28	0.57	0.018	0.0103		
350	SEP-User Input	292047.71	5807705.19	40.74	2P	6	78.28	0.57	0.0138	0.0079	0.0079	1.7
353	SEP	292029.88	5807722.43	40.85	2P	6	78.28	0.57	0.0234	0.0134	0.0134	2.9
354	JP	292008.62	5807743.24	41.02	2P	6	78.28	0.57	0.024	0.0137	0.0137	3
355	JP	292053.8	5807789.4	41.52	1P	5	82.4	0.71	0.2427	0.1731	0.1731	39.6
356	JP	292094.37	5807830.86	41.86	1P	5	82.4	0.71	0.1916	0.1366	0.1366	31.3
358	JP	292089.61	5807715.19	41.01	1P	5	82.4	0.71	0.088	0.0628	0.0628	14.4
359	JP	292096.6	5807722.33	41.09	1P	5	82.4	0.71	0.088	0.0628	0.0628	14.4
360	JP	292131.77	5807673.92	40.72	1P	5	82.4	0.71	0.1624	0.1158	0.1158	26.5
362	SEP	292056.63	5807684.35	40.62	2P	6	78.28	0.57	0.0373	0.0213	0.0213	4.6
351	SEP	292047.48	5807716.61	40.92	2P	6	78.28	0.57	0.0412	0.0236	0.0236	5.1
352	SEP	292041.41	5807722.55	40.92	2P	6	78.28	0.57	0.0688	0.0393	0.0393	8.6
363	SEP	292088.23	5807770.4	41.25	1P	5	82.4	0.71	0.2603	0.1856	0.2123	46.2
					2P	6	78.28	0.57	0.0467	0.0267		
364	SEP	292128.1	5807811.14	41.45	1P	5	82.4	0.71	0.1739	0.124	0.1278	27.8
					2P	6	78.28	0.57	0.0065	0.0037		
364A	SEP	292134.18	5807805.19	41.45								
365	SEP	292100.43	5807770.71	41.3	2P	6	78.28	0.57	0.0437	0.025	0.025	5.4
366	SEP	292023.93	5807716.35	40.85	2P	6	78.28	0.57	0.0492	0.0281	0.0281	6.1
367	SEP	292143.4	5807717.25	40.78	1P	5	82.4	0.71	0.07	0.0499	0.0654	14.2
					2P	6	78.28	0.57	0.0271	0.0155		
368	JP	292118.74	5807741.38	40.95	1P	5	82.4	0.71	0.0742	0.0529	0.072	15.6
					2P	6	78.28	0.57	0.0333	0.0191		
369	JP	292151.55	5807774.9	41.43	1P	5	82.4	0.71	0.1911	0.1363	0.1363	31.2
370	SEP	292137.45	5807711.17	40.78	2P	6	78.28	0.57	0.0617	0.0353	0.0353	7.7
371	JP	292156.03	5807752.32	41.23	1P	5	82.4	0.71	0.2575	0.1836	0.1836	42
372	SEP-User Input	292202.25	5807768.61	40.92	1P	5	82.4	0.71	0.192	0.1369	0.1883	41
					2P	6	78.28	0.57	0.0899	0.0514		
373	SEP-User Input	292137.99	5807831.51	41.36	1P	5	82.4	0.71	0.32	0.2282	0.2457	53.4
					2P	6	78.28	0.57	0.0307	0.0176		
374	JP-User Input	292116.04	5807852.99	41.49	1P	5	82.4	0.71	0.0512	0.0365	0.0539	11.7
					2P	6	78.28	0.57	0.0305	0.0174		
376	SEP	292196.85	5807763.09	40.92	2P	6	78.28	0.57	0.0909	0.052	0.052	11.3
377	SEP	292131.84	5807826.66	41.36	2P	6	78.28	0.57	0.0602	0.0344	0.0344	7.5
375	JP	292140.82	5807878.31	42.48								
379	SEP	292096.74	5807871.88	41.84								
380	SEP	292098.12	5807883.15	41.95	2P	6	78.28	0.57	0.1323	0.0757	0.0757	16.5
381	SEP	292081.19	5807899.73	42.18	2P	6	78.28	0.57	0.0556	0.0318	0.0318	6.9
382	SEP	292096.68	5807915.57	42.3								
383	SEP	292115.38	5807934.67	42.36	2P	6	78.28	0.57	0.0835	0.0477	0.0477	10.4
384	SEP	292139.94	5807959.76	42.54	1P	5	82.4	0.71	0.1008	0.0719	0.2073	45.1
					2P	6	78.28	0.57	0.2367	0.1354		
385	SEP	292188.4	5808009.28	42.93	1P	5	82.4	0.71	0.1426	0.1017	0.1256	27.3
					2P	6	78.28	0.57	0.0417	0.0239		
386	SEP	292188.69	5808026.99	42.63	2P	6	78.28	0.57	0.063	0.036	0.036	7.8
387	SEP	292197.17	5808036.08	42.82	2P	6	78.28	0.57	0.1064	0.0608	0.402	87.4
					3P	6	78.28	0.32	1.053	0.3412		
388	SEP	292053.72	5807871.66	41.92	2P	6	78.28	0.57	0.0619	0.0354	0.2822	61.4
					3P	6	78.28	0.32	0.7617	0.2468		
389	SEP	292096.15	5807925.74	42.18	2P	6	78.28	0.57	0.037	0.0212	0.0212	4.6
390	SEP	292063.7	5807957.5	42.4	2P	6	78.28	0.57	0.0264	0.0151	0.0151	3.3
391	SEP	292069.65	5807963.57	42.4	2P	6	78.28	0.57	0.0099	0.0056	0.0056	1.2
392	SEP	292069.86	5807973.23	42.49	2P	6	78.28	0.57	0.0416	0.0238	0.0238	5.2
393	SEP	292063.79	5807979.17	42.49	2P	6	78.28	0.57	0.0431	0.0247	0.0247	5.4
394	SEP	292100.79	5808016.98	42.76	1P	5	82.4	0.71	0.6411	0.4571	0.4827	105
					2P	6	78.28	0.57	0.0448	0.0256		
395	SEP	292139.26	5808056.29	43	1P	5	82.4	0.71	0.2048	0.146	0.1619	35.2
					2P	6	78.28	0.57	0.0278	0.0159		
396	SEP	292138.92	5808073.36	42.83	2P	6	78.28	0.57	0.1304	0.0746	0.0746	16.2
397	SEP	292147.4	5808082.45	43.01	2P	6	78.28	0.57	0.0769	0.044	0.044	9.6
398	SEP	292102.1	5807931.82	42.18	1P	5	82.4	0.71	0.1468	0.1046	0.125	27.2
					2P	6	78.28	0.57	0.0356	0.0204		
399	SEP	292048.77	5807969.4	42.61	2P	6	78.28	0.57	0.094	0.0538	0.0538	11.7
400	SEP	292013.01	5808004.45	42.88								
401	SEP	292106.86	5808011.03	42.76	1P	5	82.4	0.71	0.0872	0.0622	0.0869	18.9
					2P	6	78.28	0.57	0.0432	0.0247		
402	SEP	292145.33	5808050.34	43	2P	6	78.28	0.57	0.0199	0.0114	0.0114	2.5
403	SEP	292156.88	5807943.19	42.4	2P	6	78.28	0.57	0.1091	0.0624	0.0624	13.6
404	SEP	292205.34	5807992.71	42.81	2P	6	78.28	0.57	0.041	0.0235	0.0235	5.1

