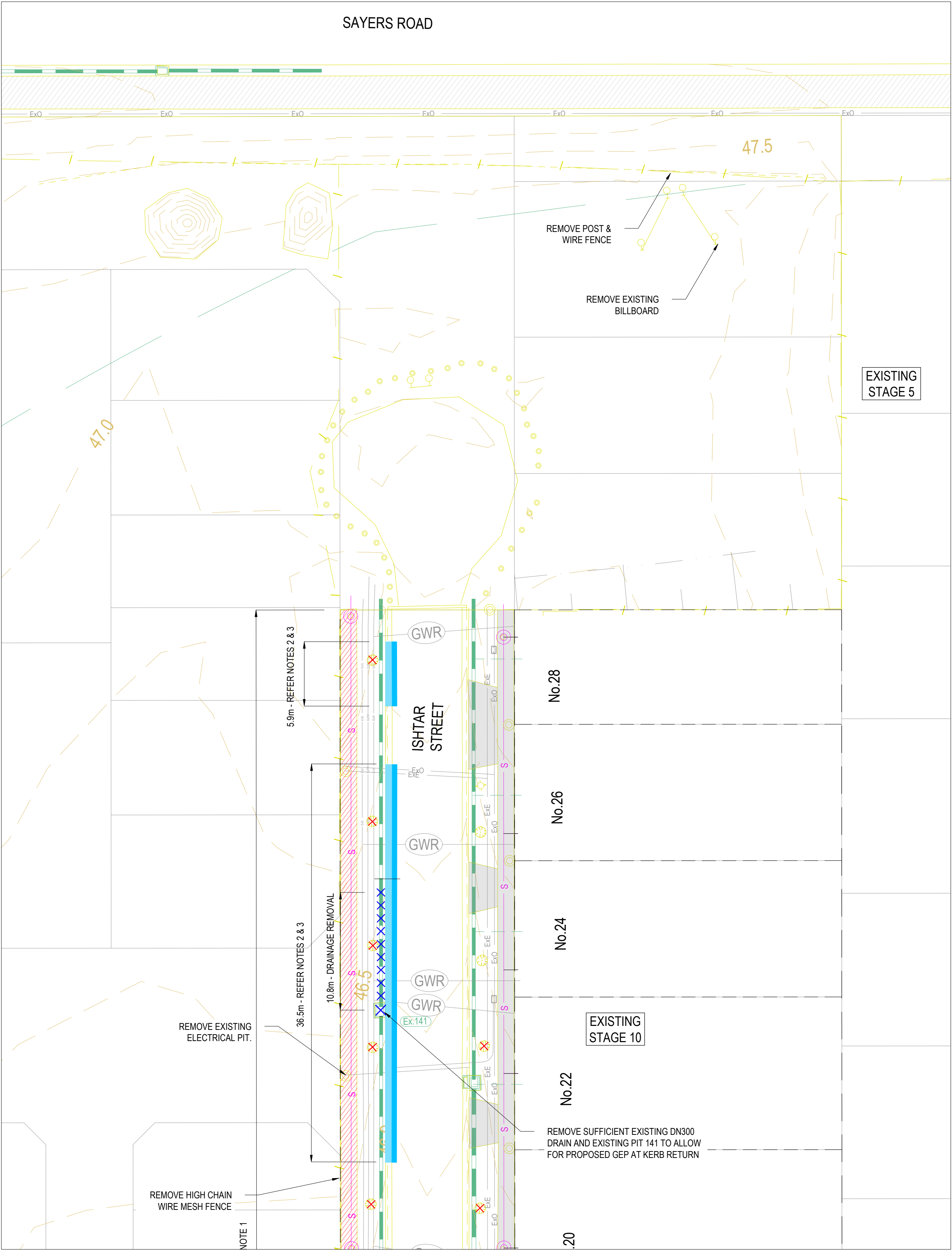
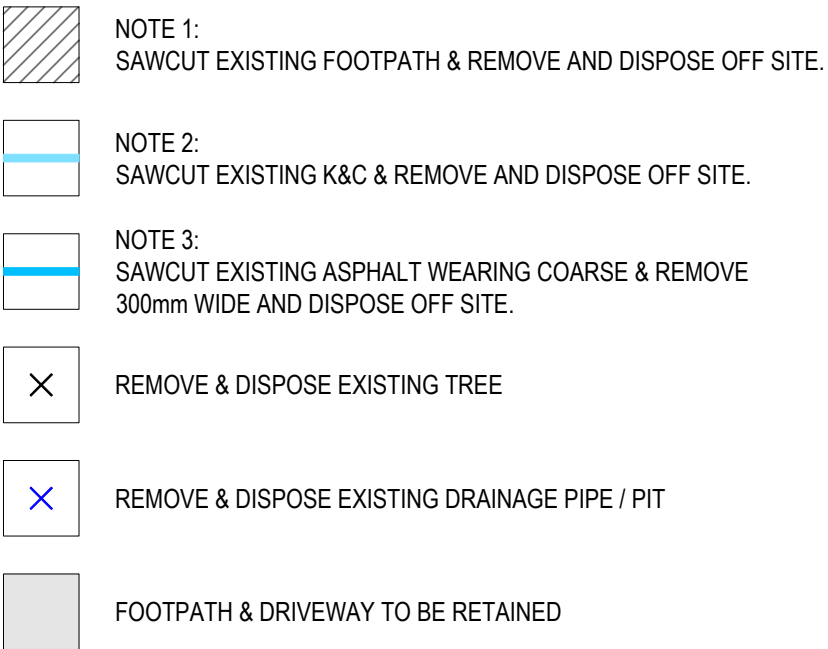
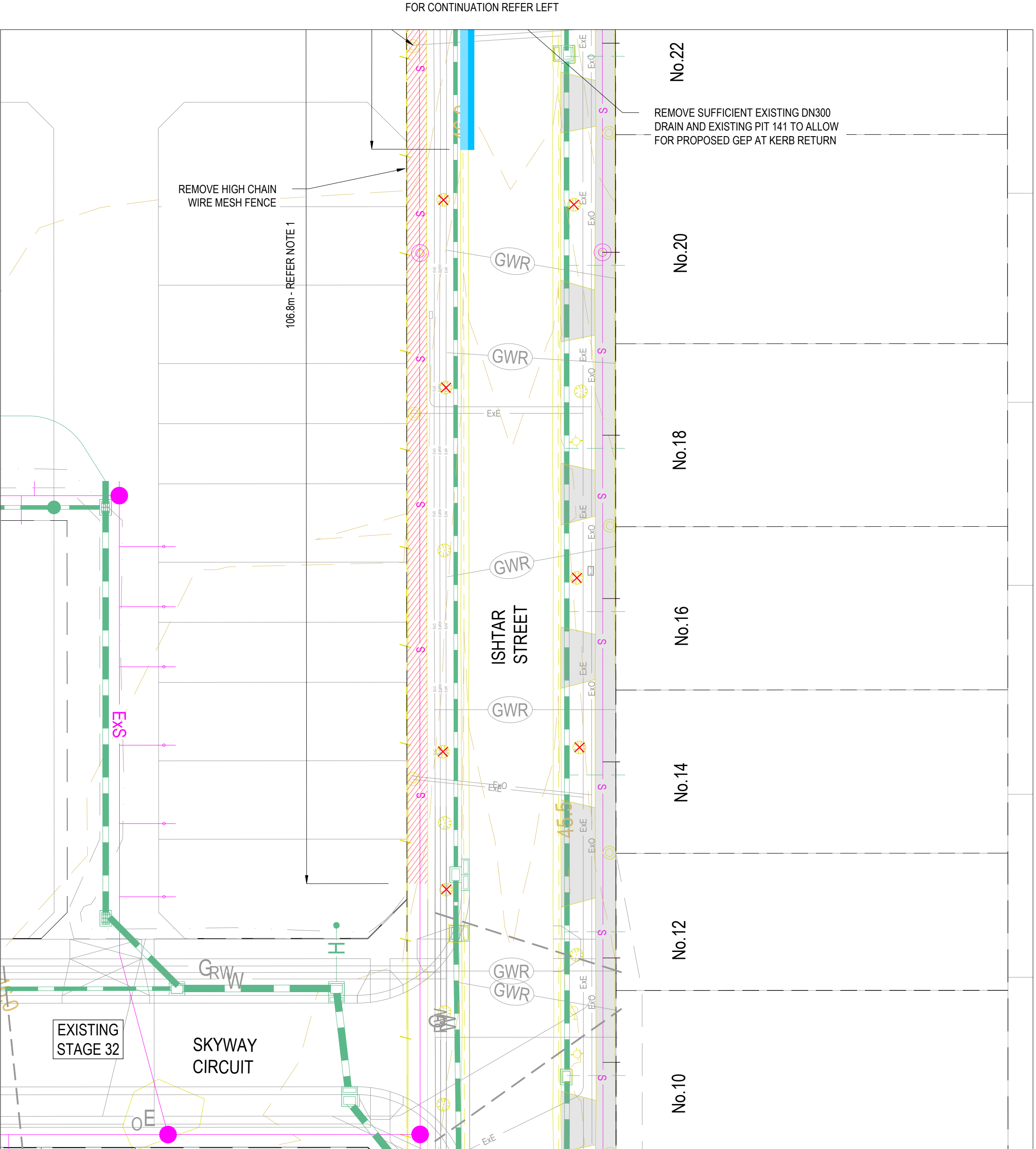
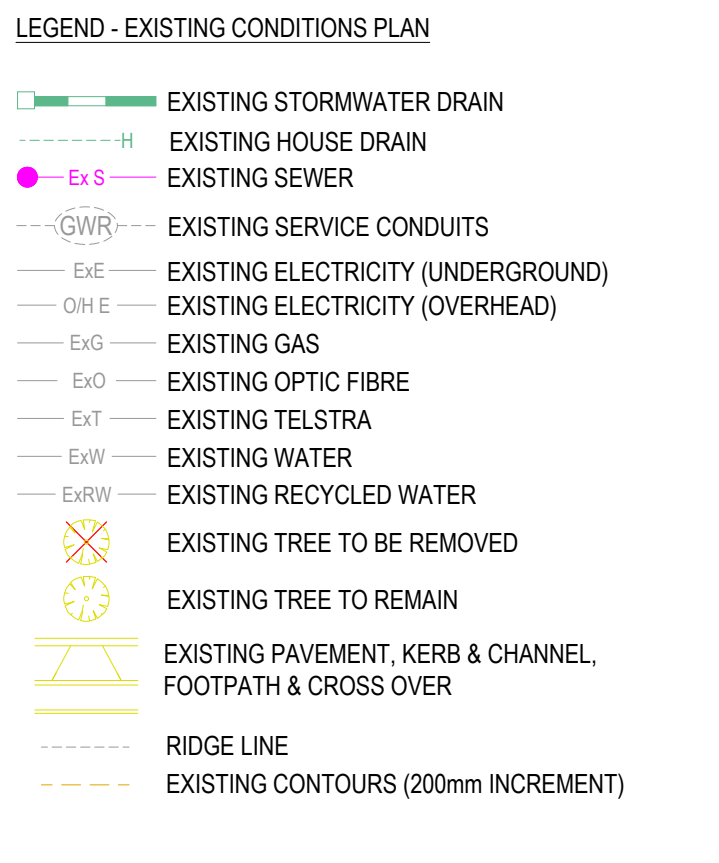




Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026



NOTE:
CONTRACTOR IS TO VERIFY ALL CONNECTION LEVELS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY CREO CIVIL IF THERE ARE DIFFERENCES

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P.	A.W.	E.S.
C	19/09/25	ISSUED FOR TENDER	M.P.	A.W.	M.T.
B	27/08/25	EXISTING STREET NUMBERS ADDED	M.P.	A.W.	M.T.
A	31/07/25	ISSUED FOR APPROVAL	M.P.	A.W.	M.T.



DRAWING TITLE
**ALAMORA - STAGE 33
EXISTING CONDITIONS & DEMOLITION**

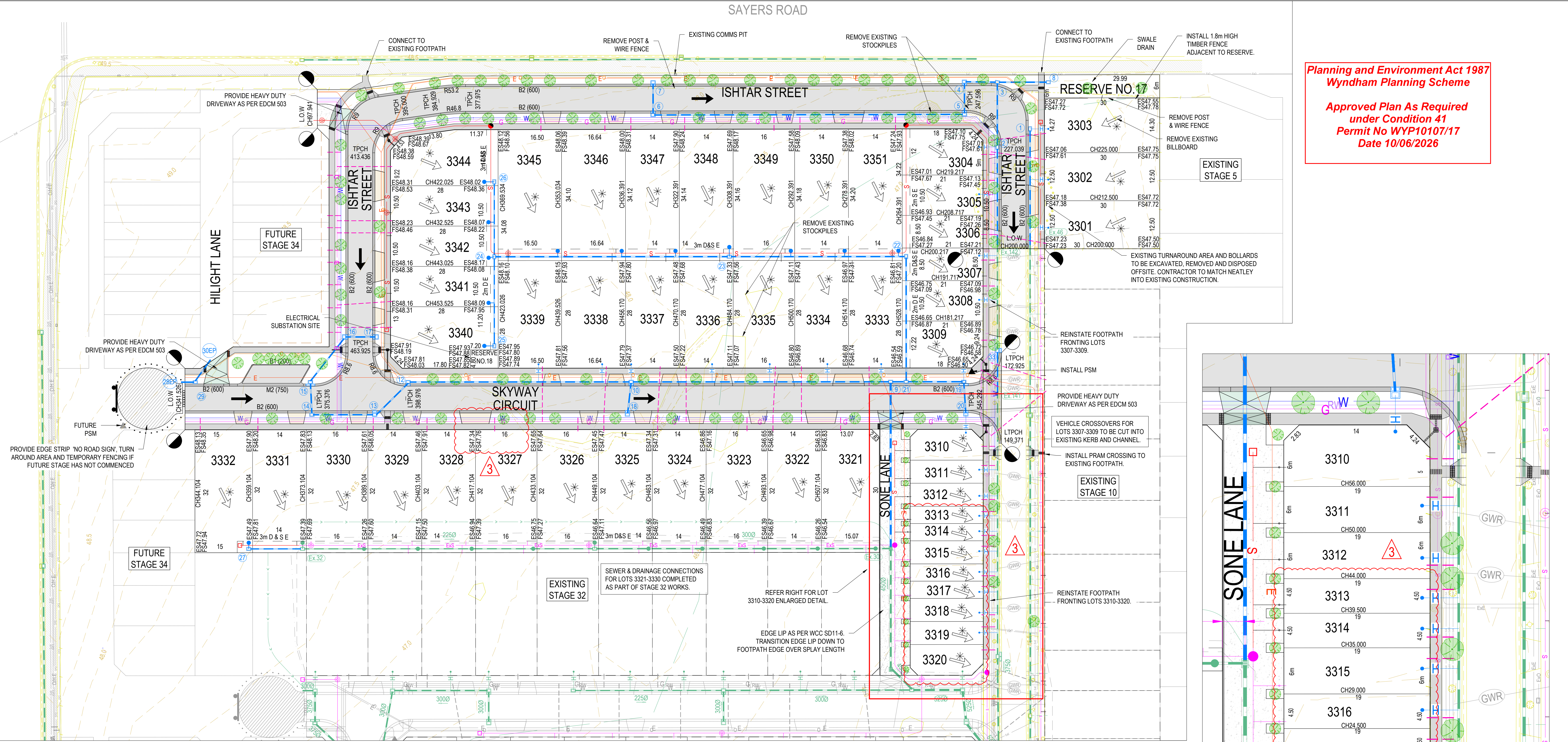
STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1 : 1:500

0 5 10 20 30

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DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.33	DRAWING No. R200
	REVISION 0



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Approved Plan As Required
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LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET PIT
- EXISTING STORMWATER DRAIN
- EXISTING HOUSE DRAIN
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- EXISTING WATER
- 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
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- 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
- EXISTING TREE TO REMAIN
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & CROSS OVER
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & HEAVY DUTY CROSS OVER
- RIDGE LINE
- EXISTING CONTOURS (200mm INCREMENT)
- TACTILE PAVERS

NOTE:
CONTRACTOR IS TO VERIFY ALL CONNECTION LEVELS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY CREO CIVIL IF THERE ARE DIFFERENCES

WARNING

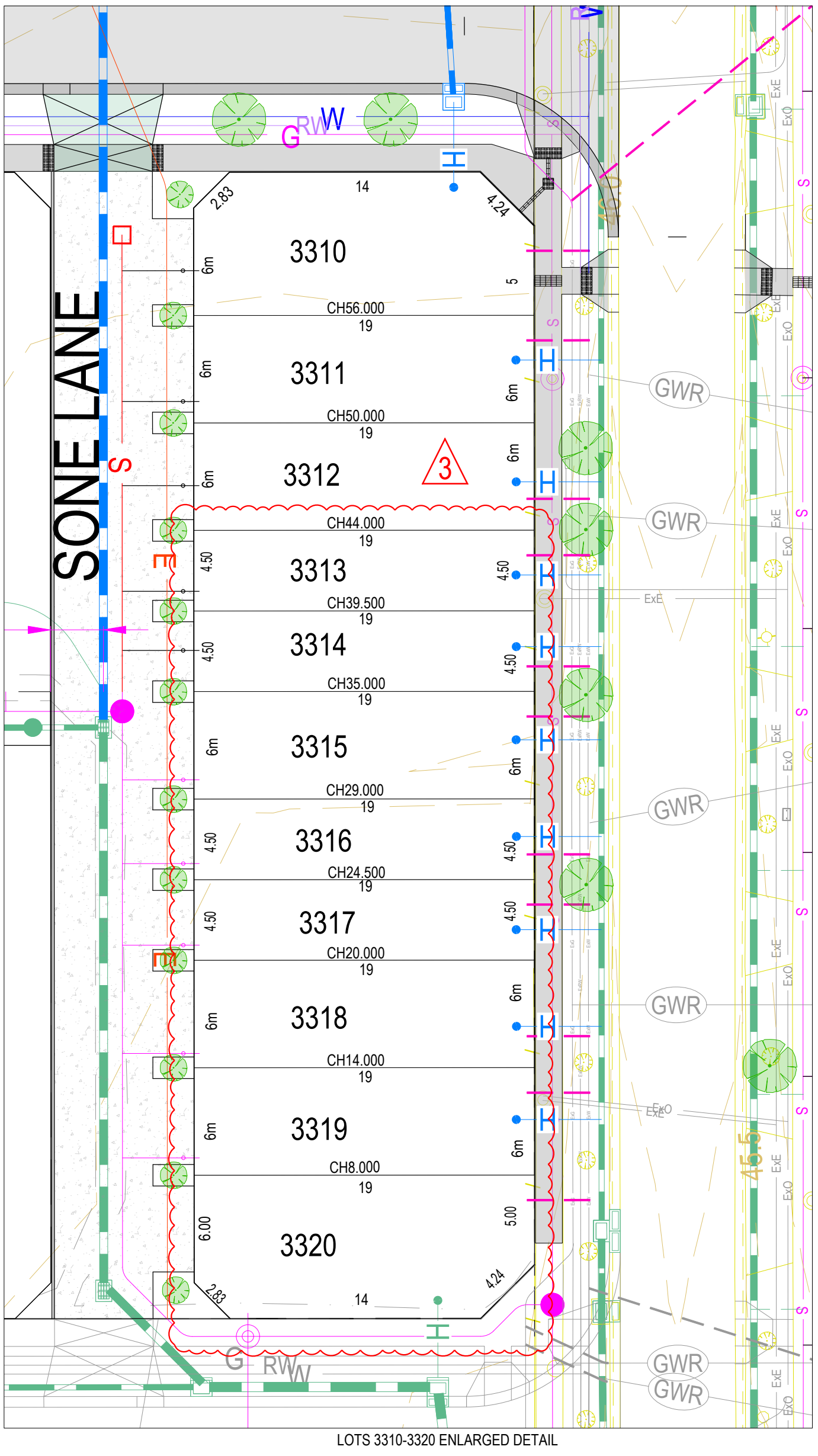
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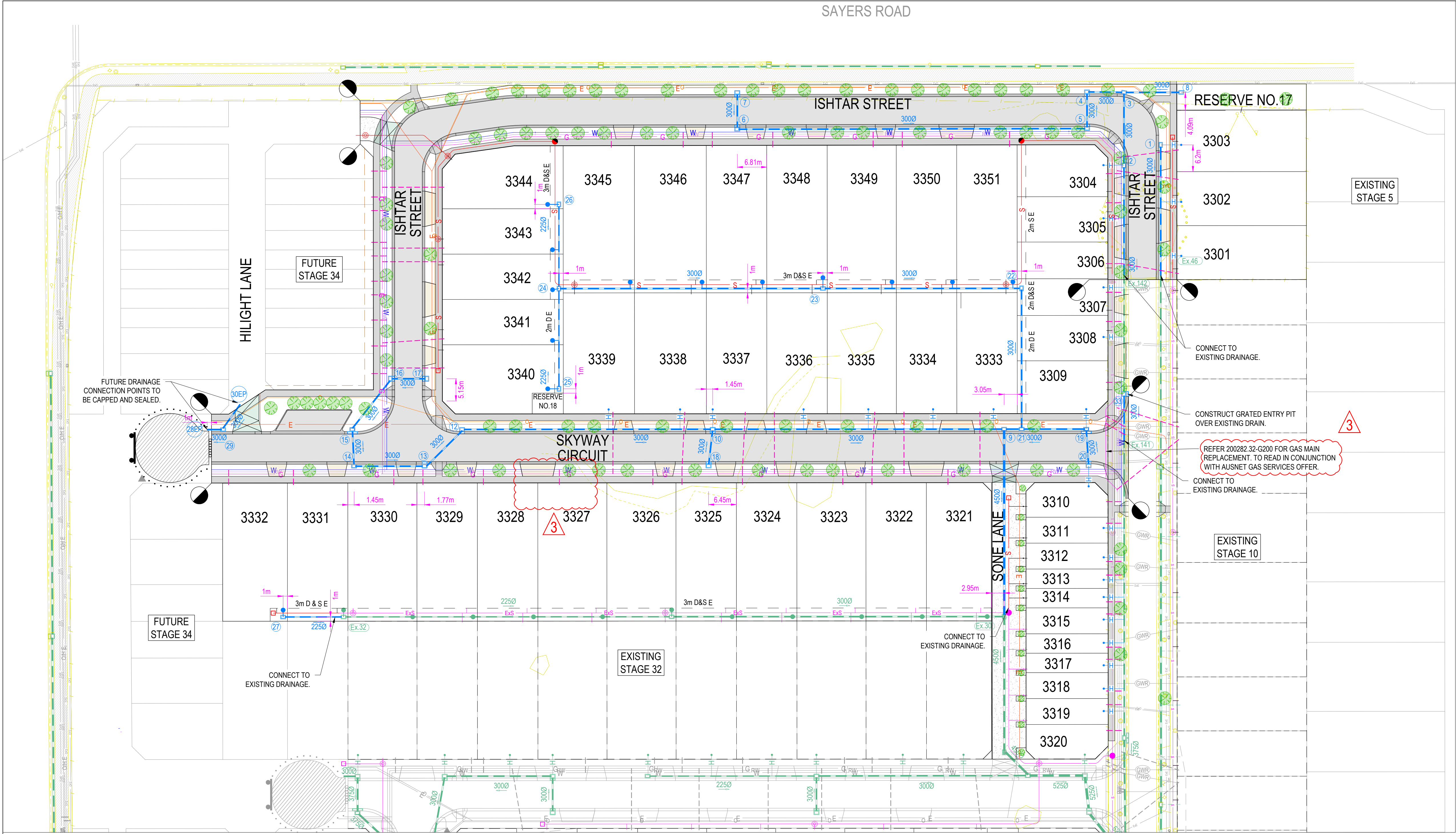
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NOTE: STREET TREE LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY LANDSCAPE ARCHITECTS



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
3	25/05/26	LOTS 3313-3320 WIDTHS AMENDED & 3327 DW SHIFT	M.P.	A.W.	E.S.	 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 33 LAYOUT PLAN	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE
2	16/04/26	LOT NUMBERS FOR SONE LANE	M.P.	A.W.	E.S.					M.PLANT	M.TROUNCE
1	11/02/26	UPDATED LAYOUT - SONE LANE SHIFTED	M.P.	A.W.	E.S.					PROJECT No.	DRAWING No.
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P.	A.W.	E.S.					200282.33	R201
C	19/09/25	ISSUED FOR TENDER	M.P.	A.W.	M.T.					REVISION	3
B	27/08/25	STAGE BOUNDARY AMENDED, DRIVEWAY NOTE - COUNCIL COMMENTS	M.P.	A.W.	M.T.						
A	31/07/25	ISSUED FOR APPROVAL	M.P.	A.W.	M.T.						



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
- STORMWATER PIT SETOUT POINT

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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
ISHTAR STREET (LOTS 3301-3303)	W	2.10	W	2.60	W	3.10	E	1.80	E	2.40	E	1.00*
ISHTAR STREET (LOTS 3340-3344)	W	2.10	W	2.60	W	3.10	E	1.80	E	2.40	E	1.00*
ISHTAR STREET (LOTS 3345-3351)	S	2.10	S	2.60	S	3.10	N	0.50	N	0.70	N	1.00*
SKYWAY CIRCUIT (LOTS 3321-3329)	S	2.10	S	2.60	S	3.10	N	1.80	N	2.40	N	1.00*
SKYWAY CIRCUIT (LOTS 3330-3332)	S	2.10	S	2.60	S	3.10	N	1.80	N	8.00	N	1.00*
SONE LANE	-	-	-	-	-	-	-	-	E	1.50	E	1.00*
HILIGHT LANE (NORTH-SOUTH)	-	-	-	-	-	-	-	-	W	2.00	-	-
HILIGHT LANE (EAST-WEST)	N	3.20	N	2.70	N	2.20	N	0.50	N	1.00	-	-

1. * DENOTES OFFSET FROM BACK OF KERB.

- SUPPLEMENTARY NOTES:
- ENSURE PROPERTY CONNECTIONS HAVE MINIMUM 1m OFFSET FROM VEHICLE CROSSINGS.
 - LOTS 3307-3320 TO BE SUPPLIED FROM CONNECTIONS TO EXISTING SERVICES.
 - WHERE DRAINAGE & SEWER PIPE ARE IN CLOSE PROXIMITY, COMPACTION TO BE IN ACCORDANCE WITH SD6-10. DRAIN LINES 22-23-24-25, 24-26 & EX32-27.

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
									ALAMORA - STAGE 33 SERVICES PLAN	ISSUED FOR CONSTRUCTION	A.WALE
3	25/05/26	G&W CONDUIT FOR LOT 3327 SHIFTED & GAS ALIGNMENT	M.P.	A.W.	E.S.						
2	16/04/26	LOT NUMBERS FOR SONE LANE	M.P.	A.W.	E.S.						
1	11/02/26	UPDATED LAYOUT - SONE LANE SHIFTED / COMMS UPDATED	M.P.	A.W.	E.S.						
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P.	A.W.	E.S.						
C	19/09/25	ISSUED FOR TENDER	M.P.	A.W.	M.T.						
B	27/08/25	STAGE BOUNDARY AMENDED. DRAINAGE NOTE - COUNCIL COMMENTS	M.P.	A.W.	M.T.						
A	31/07/25	ISSUED FOR APPROVAL	M.P.	A.W.	M.T.						

Scale @ A1: 1:500

0 5 10 20 30

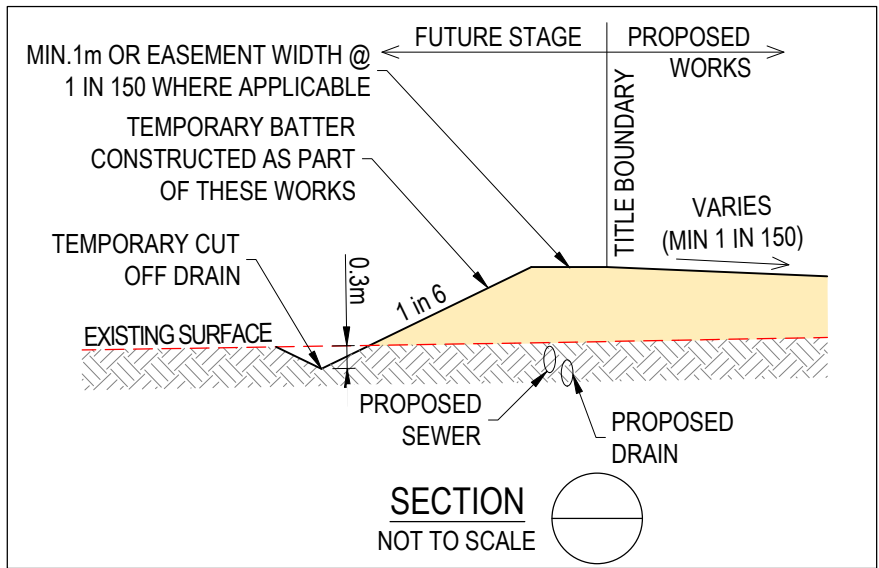
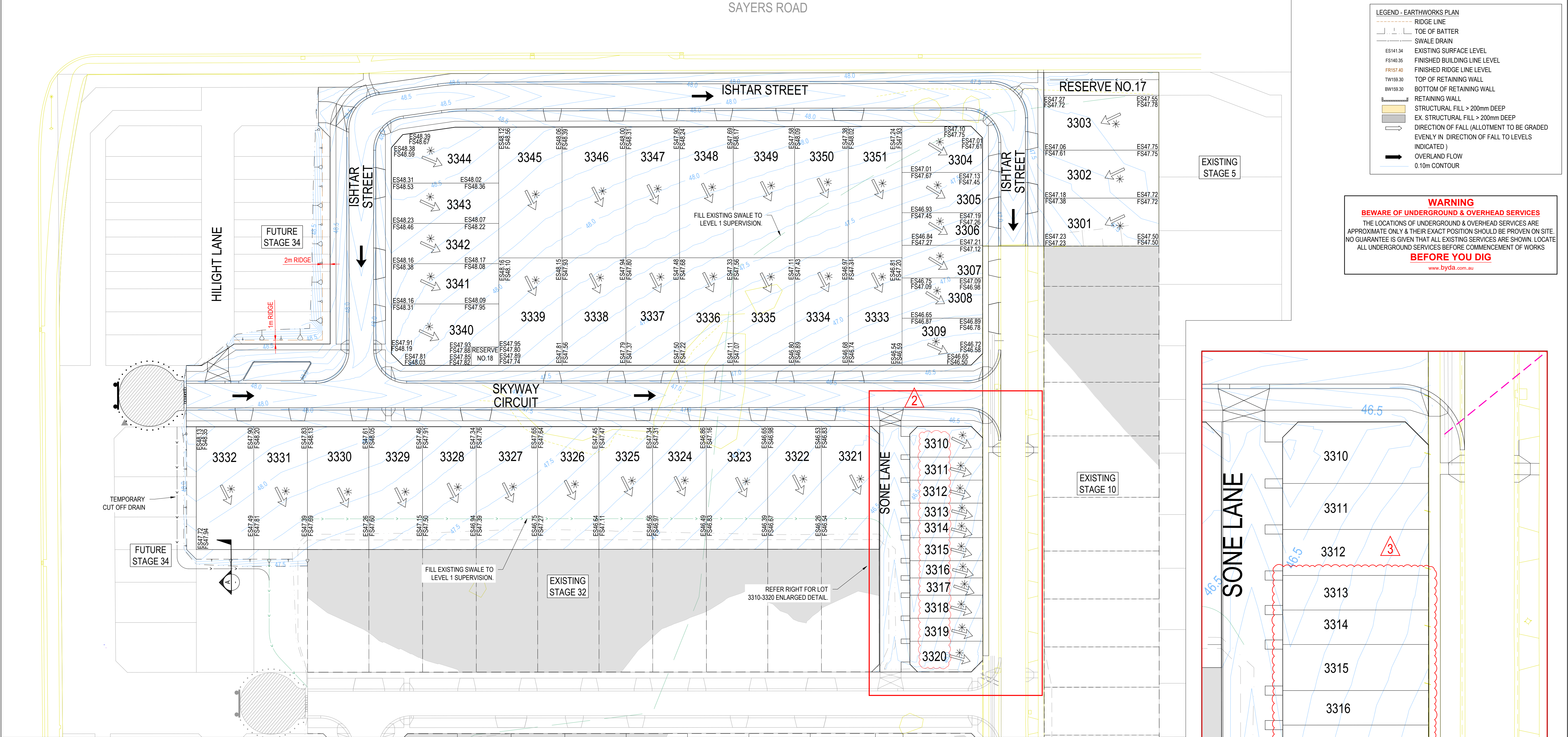
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PROJECT No.	DRAWING No.	REVISION
200282.33	R202	3

SAYERS ROAD

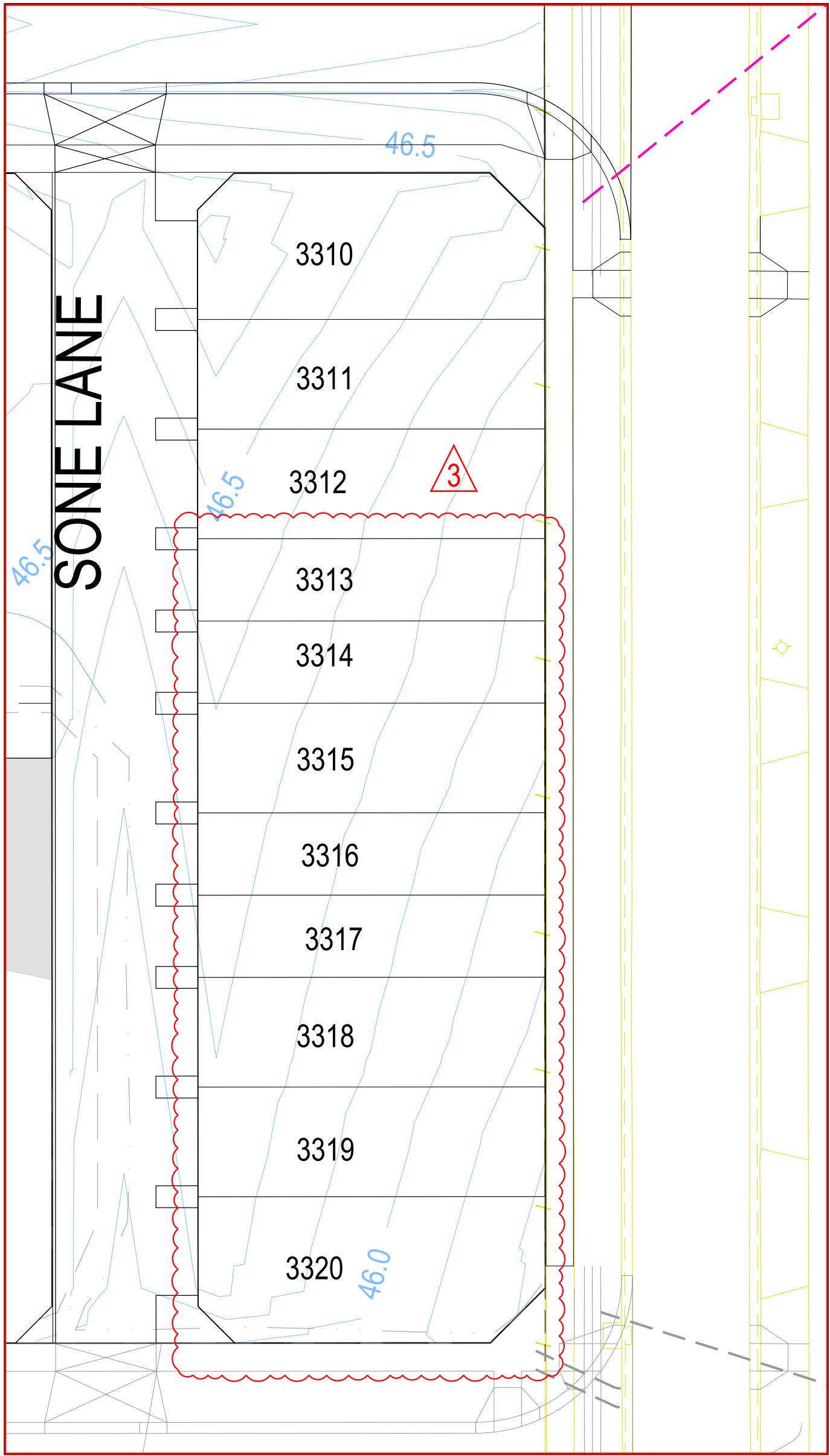
- LEGEND - EARTHWORKS PLAN
- RIDGE LINE
 - TOE OF BATTER
 - SWALE DRAIN
 - ES141.34 EXISTING SURFACE LEVEL
 - FS140.35 FINISHED BUILDING LINE LEVEL
 - FR157.40 FINISHED RIDGE LINE LEVEL
 - TW159.30 TOP OF RETAINING WALL
 - BW159.30 BOTTOM OF RETAINING WALL
 - REINFORCED RETAINING WALL
 - STRUCTURAL FILL > 200mm DEEP
 - EX. STRUCTURAL FILL > 200mm DEEP
 - DIRECTION OF FALL (ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED)
 - OVERLAND FLOW
 - 0.10m CONTOUR

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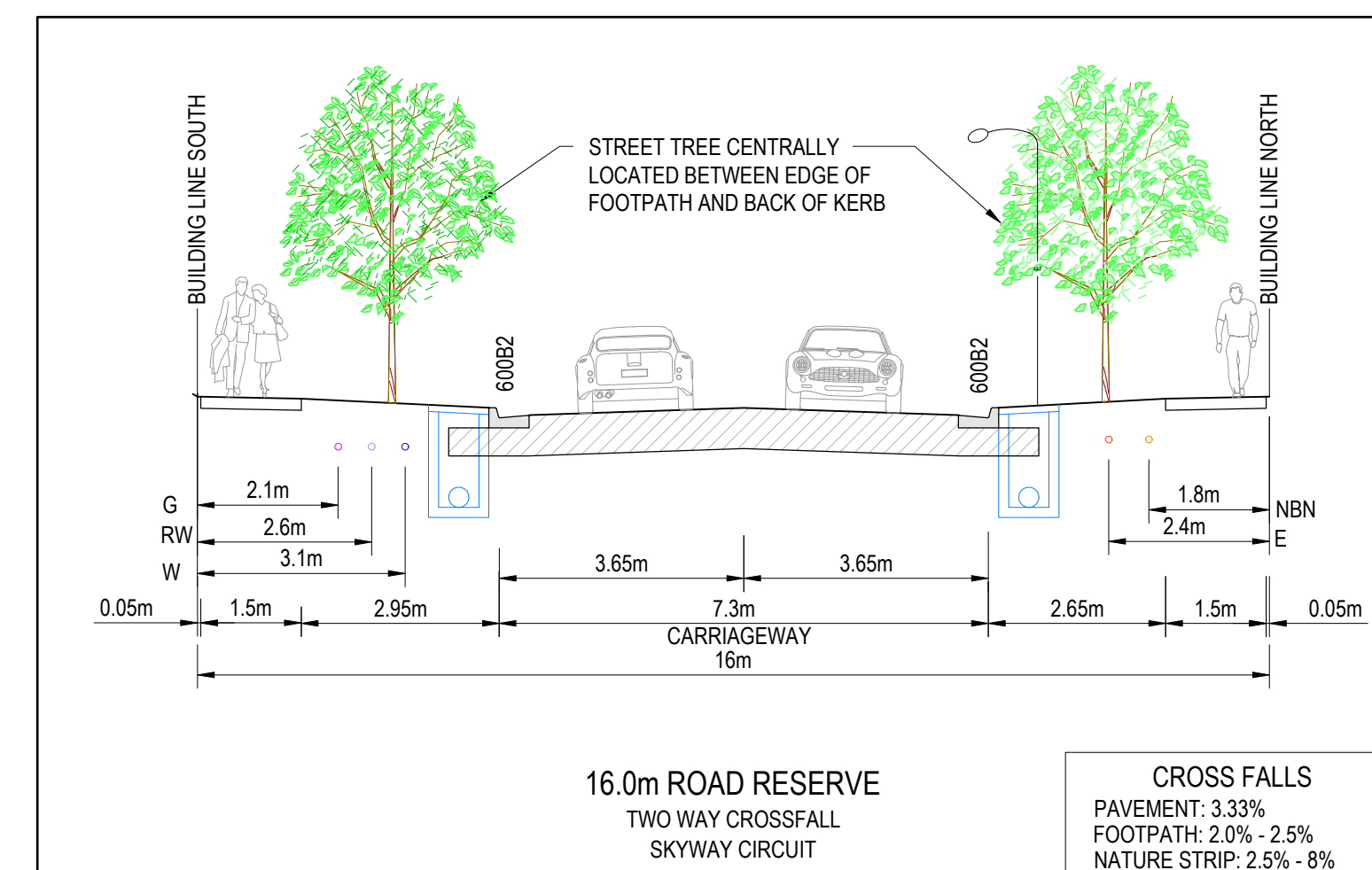
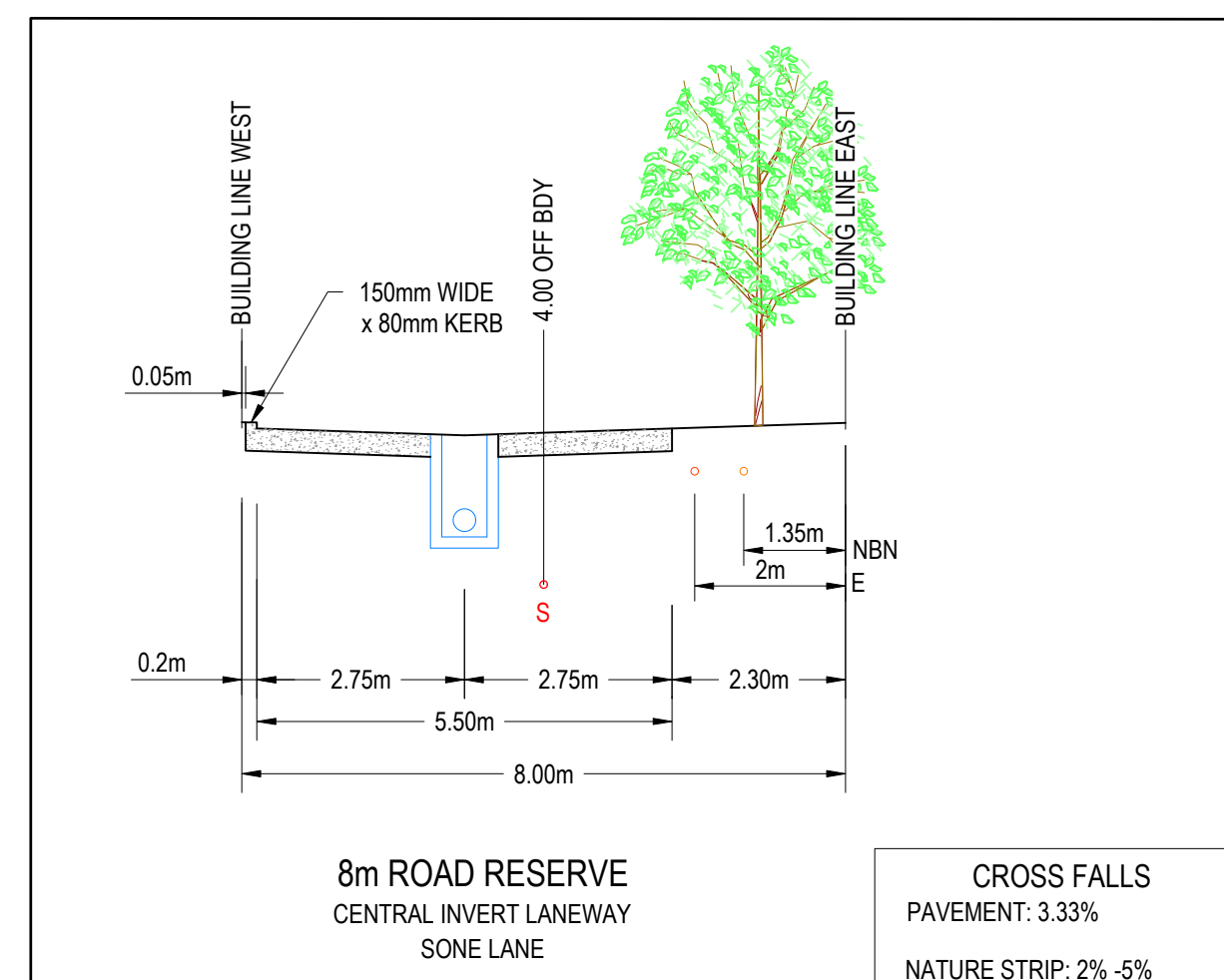
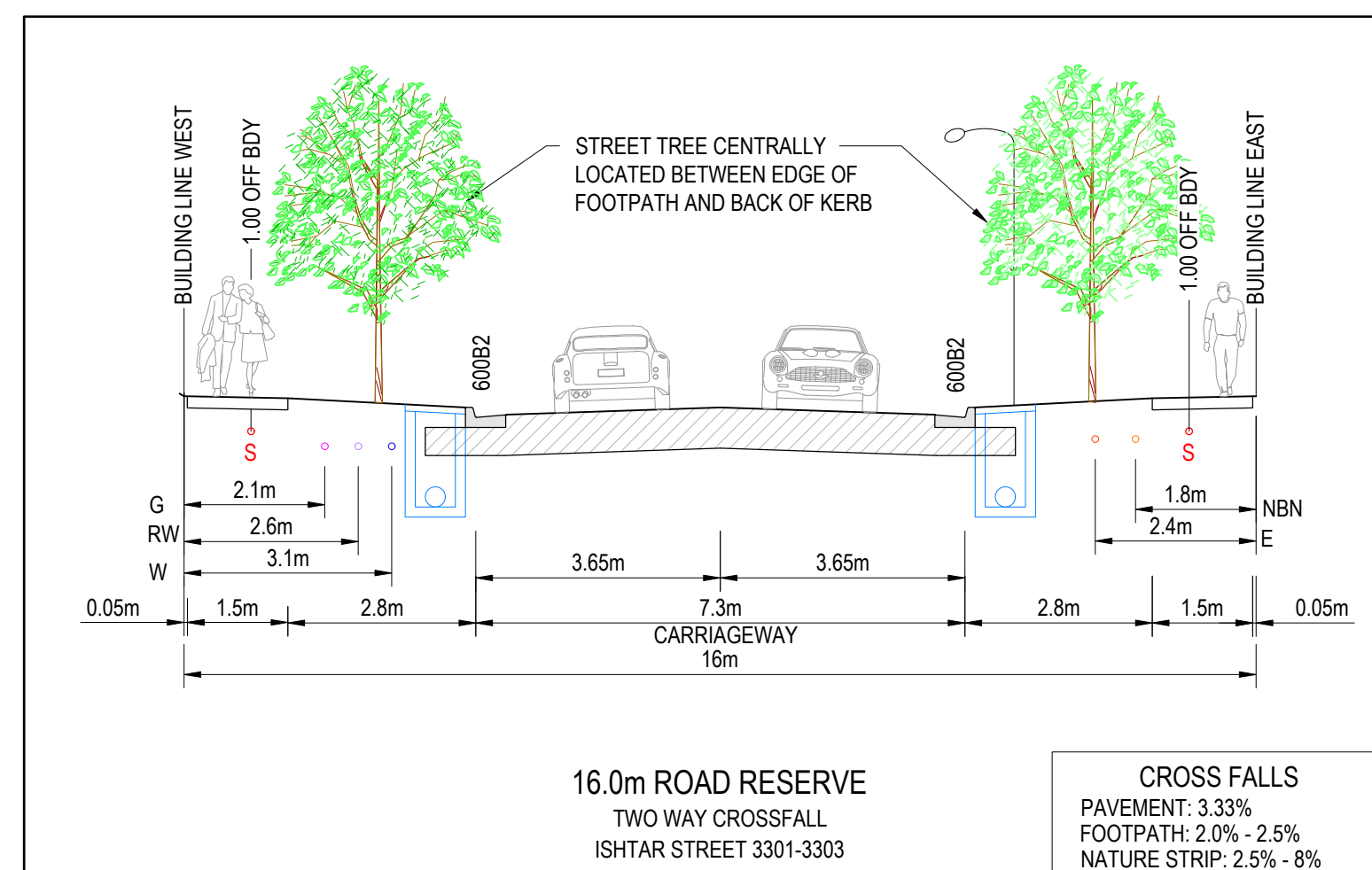
Planning and Environment Act 1987
Wyndham Planning Scheme

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Date 10/06/2026



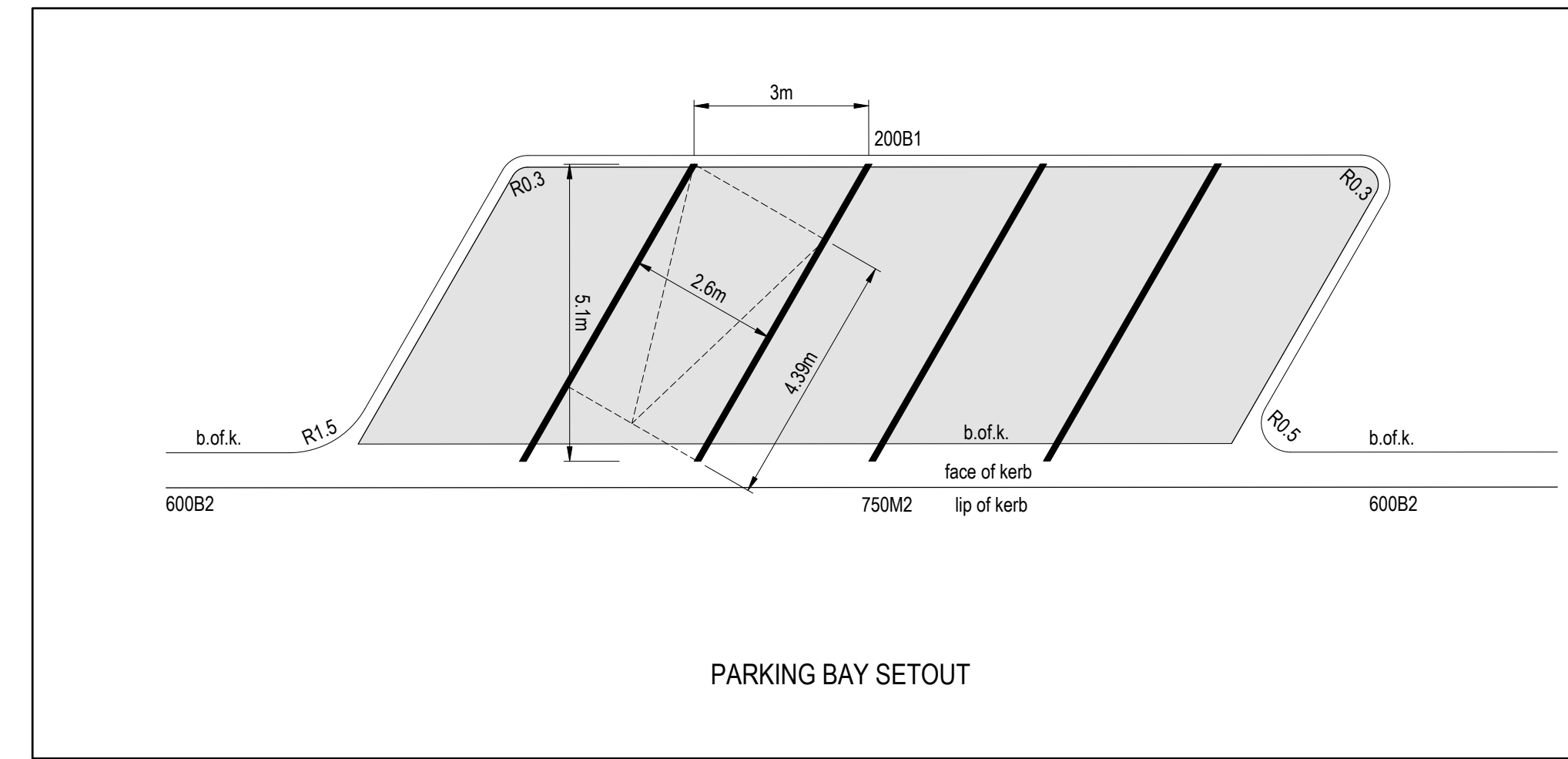
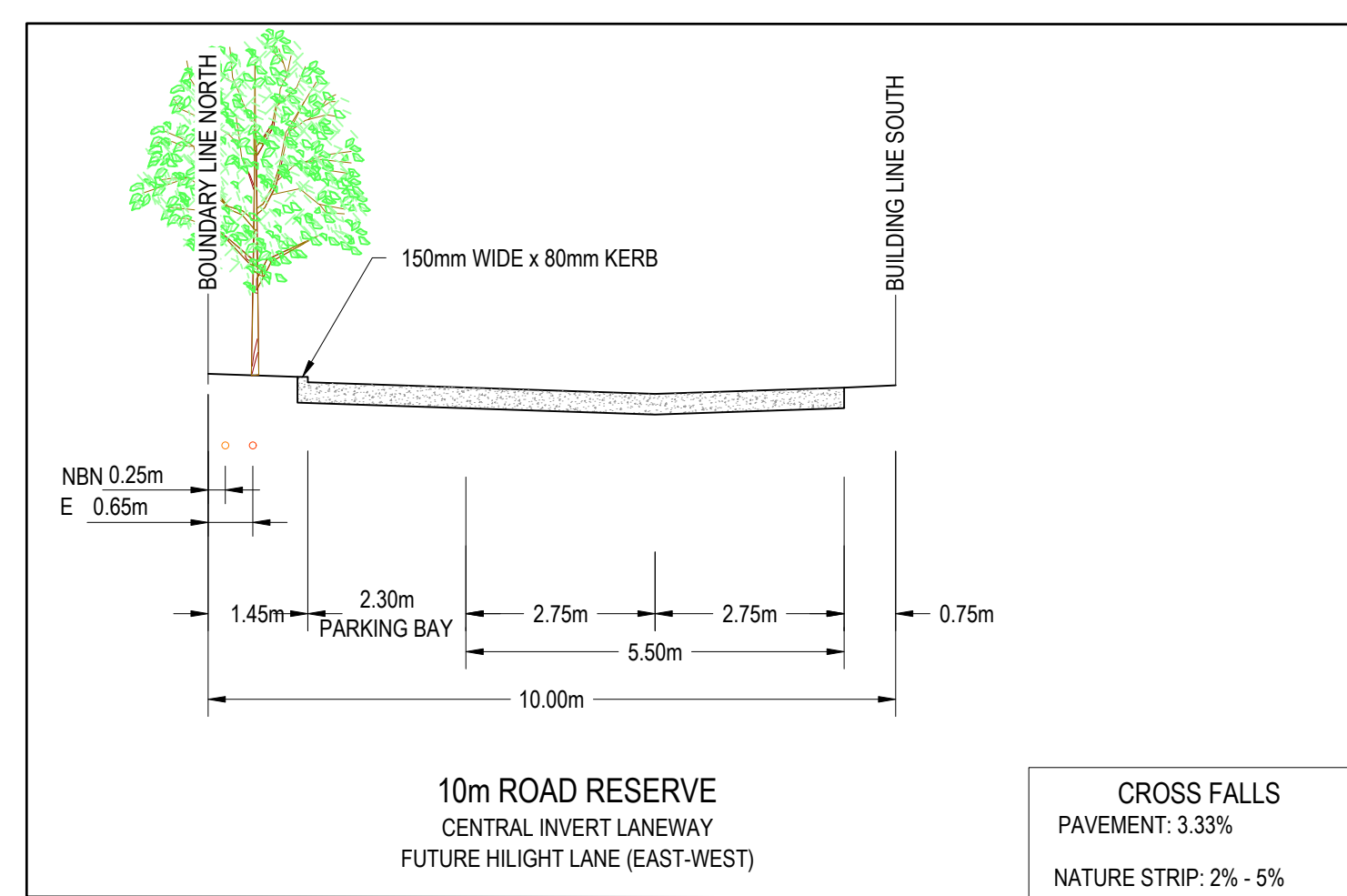
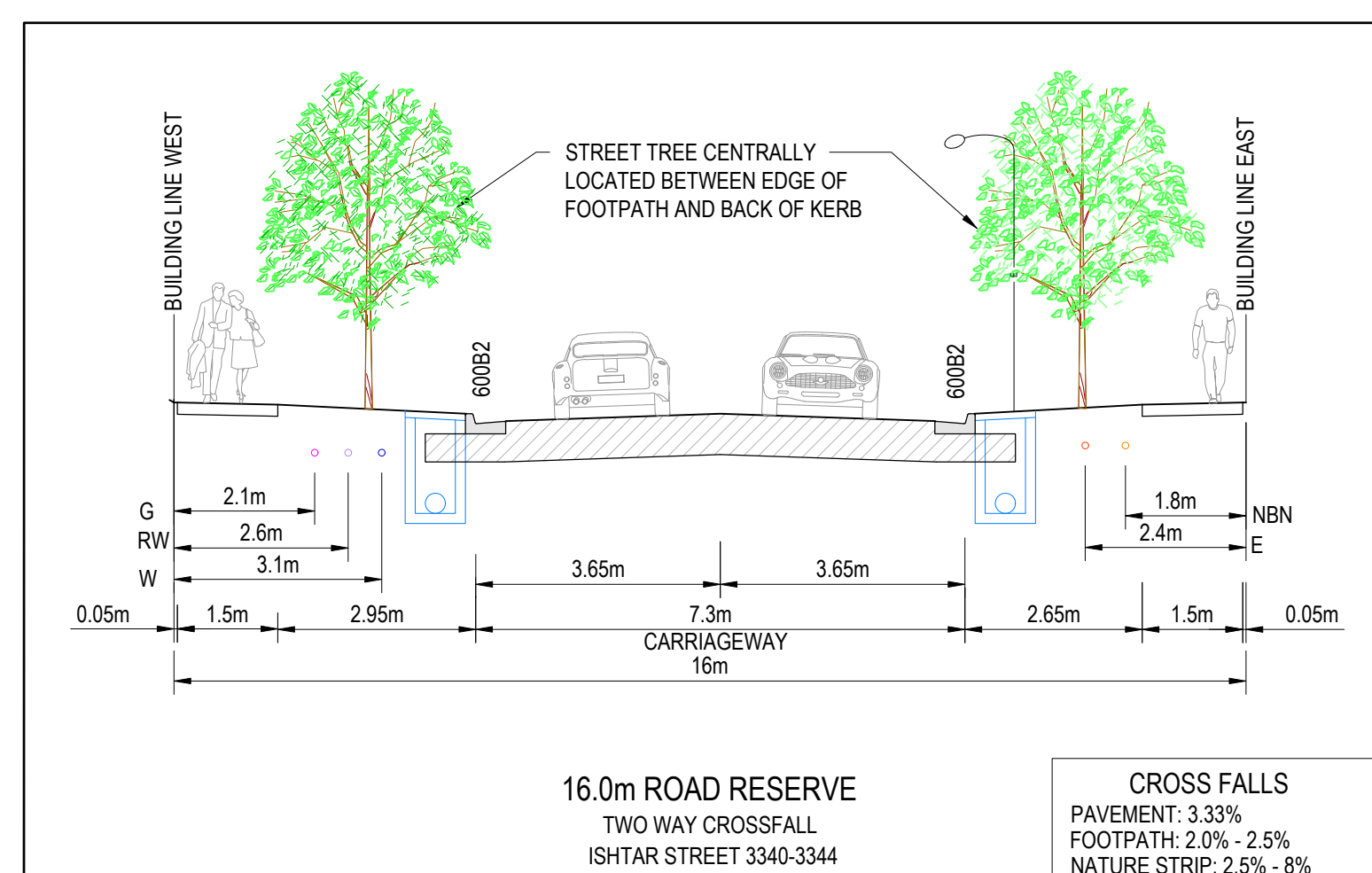
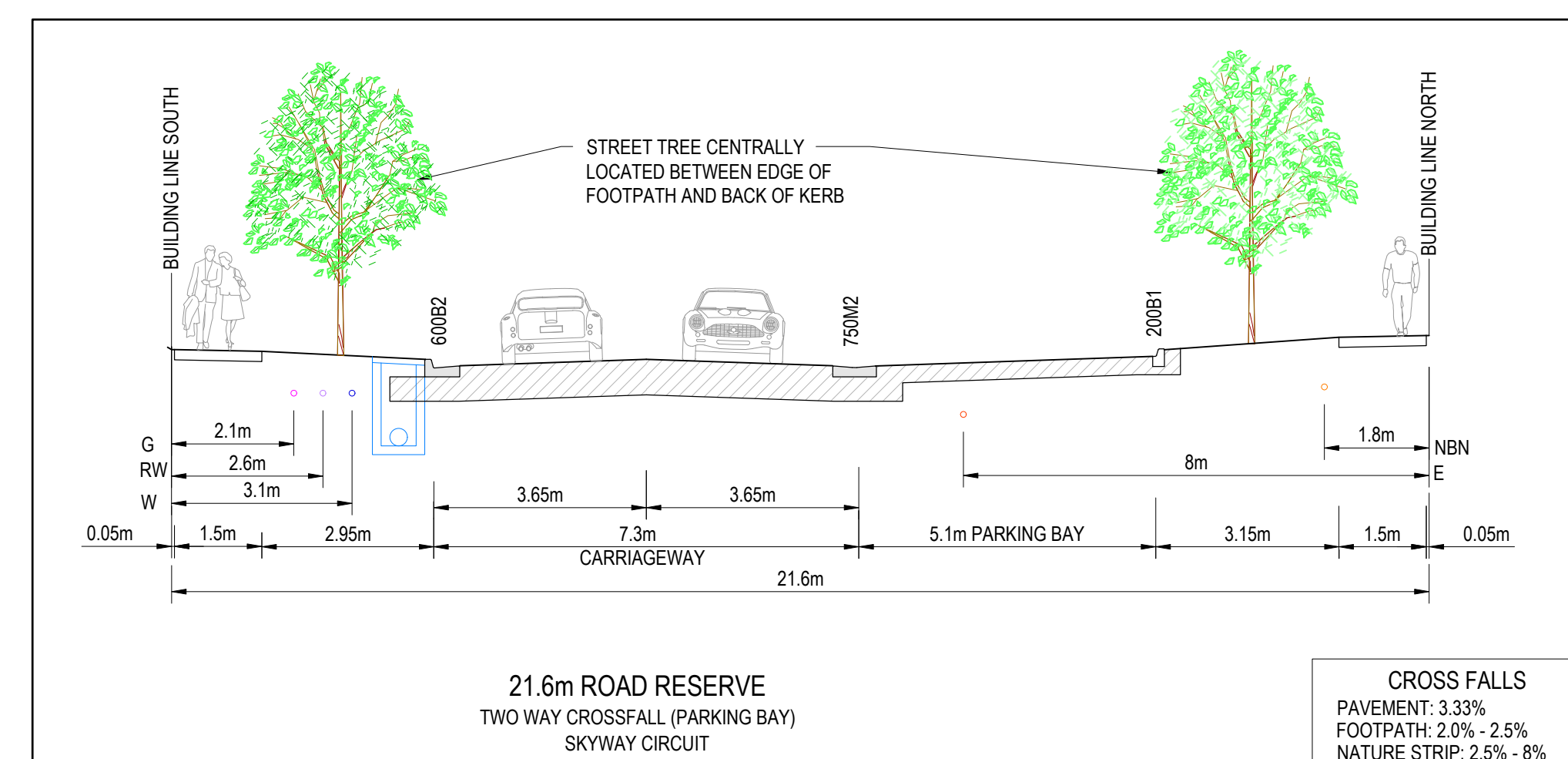
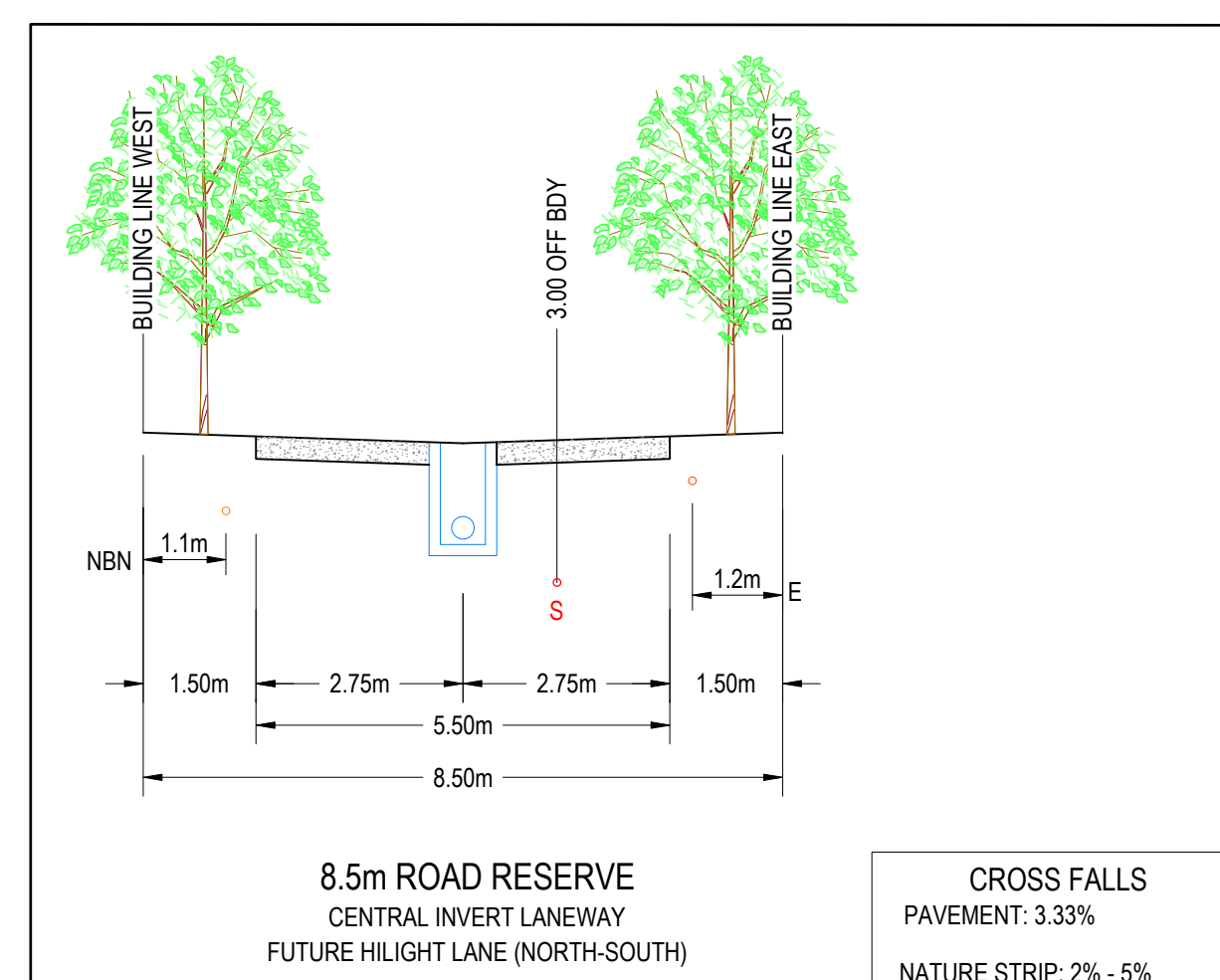
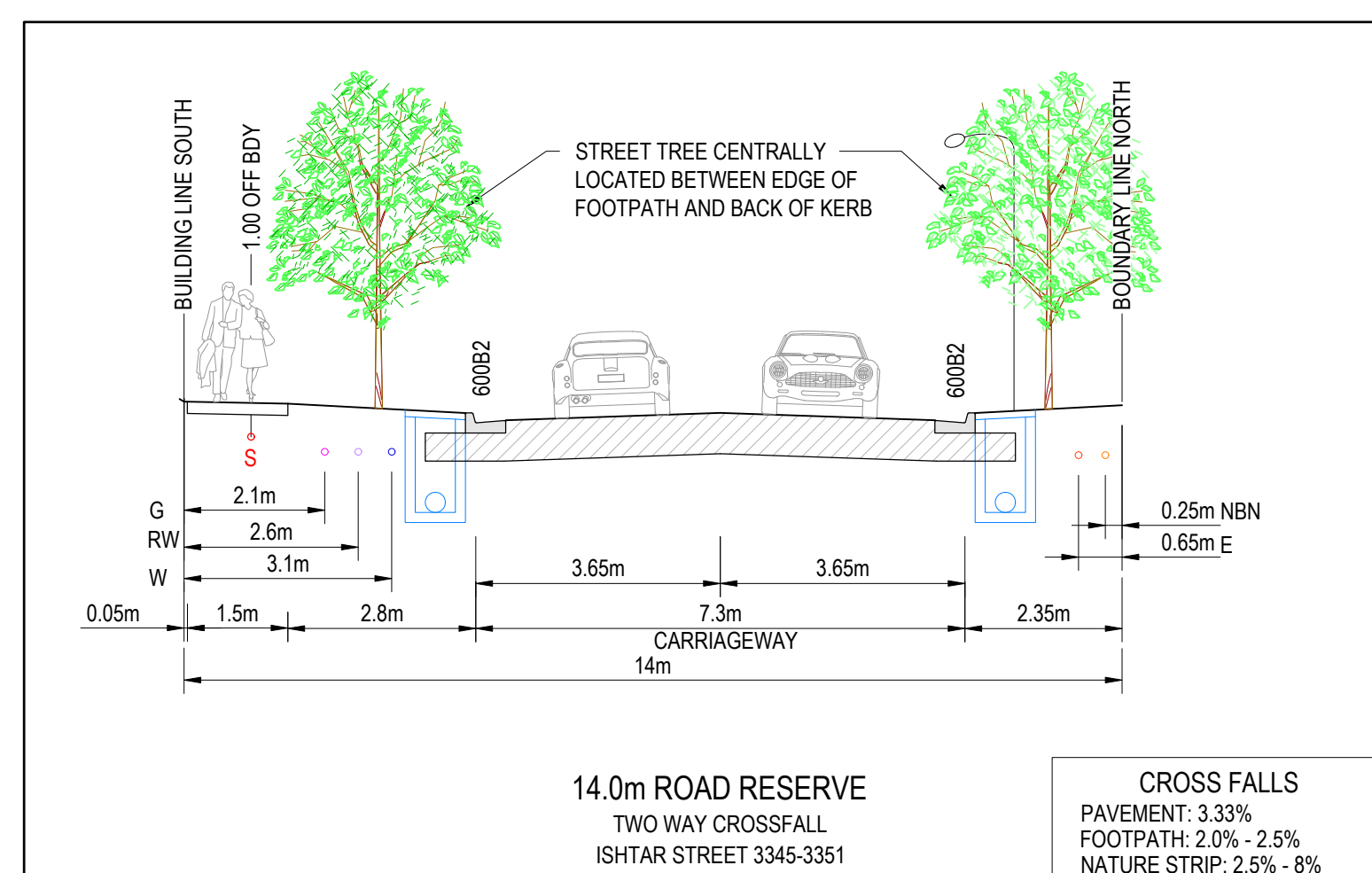
LOTS 3310-3320 ENLARGED DETAIL

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
									ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE
3	25/05/26	LOTS 3313-3320 WIDTHS AMENDED	M.P	A.W	E.S			ALAMORA - STAGE 33 EARTHWORKS PLAN	SCALE @ A1 : 1:500	M.PLANT	M.TROUNCE
2	16/04/26	LOT NUMBERS FOR SONE LANE	M.P	A.W	E.S						
1	11/02/26	UPDATED LAYOUT - SONE LANE SHIFTED	M.P	A.W	E.S						
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					PROJECT No.	DRAWING No.
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T					200282.33	R203
B	27/08/25	STAGE BOUNDARY AMENDED - COUNCIL COMMENTS	M.P	A.W	M.T						REVISION
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T						3

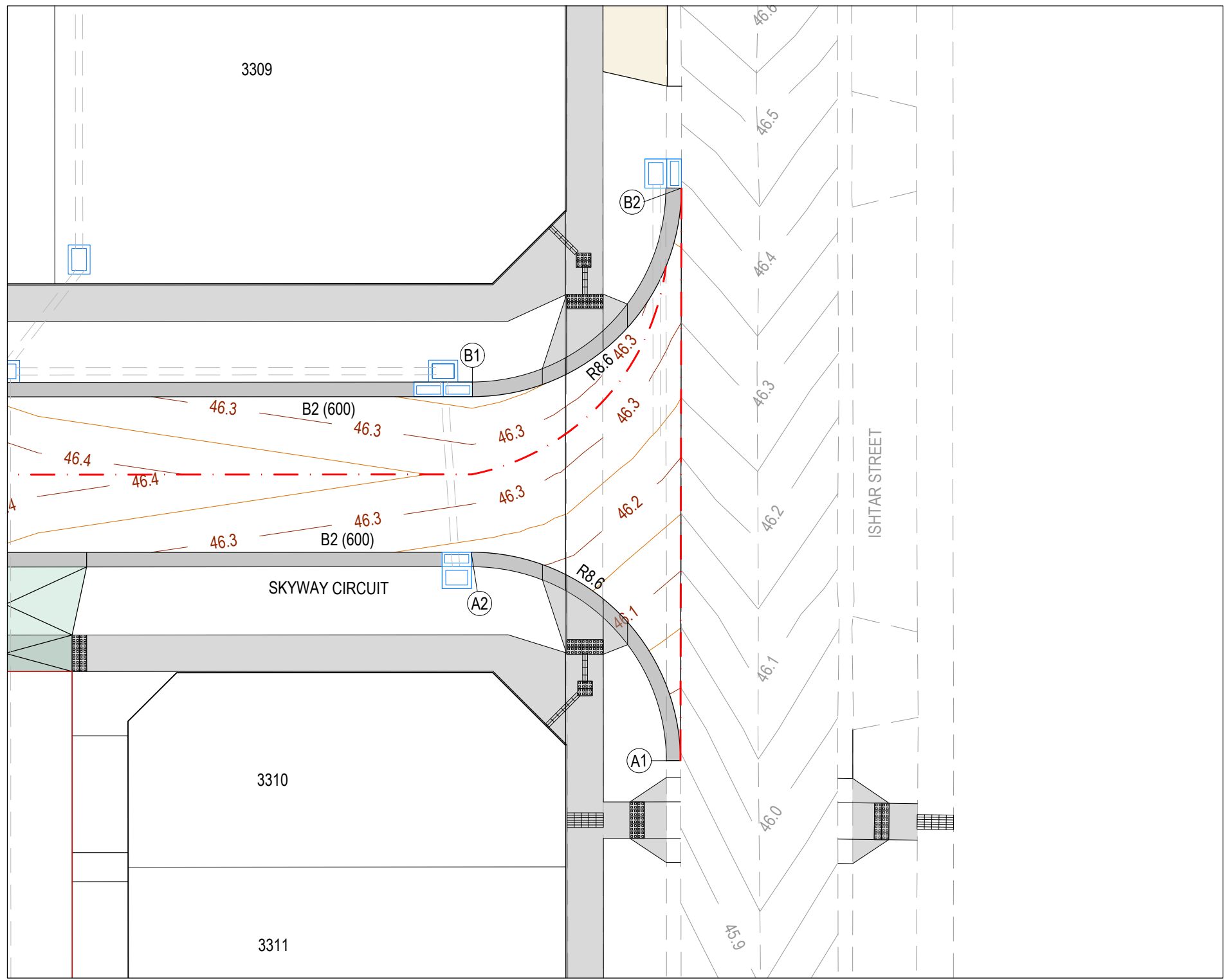


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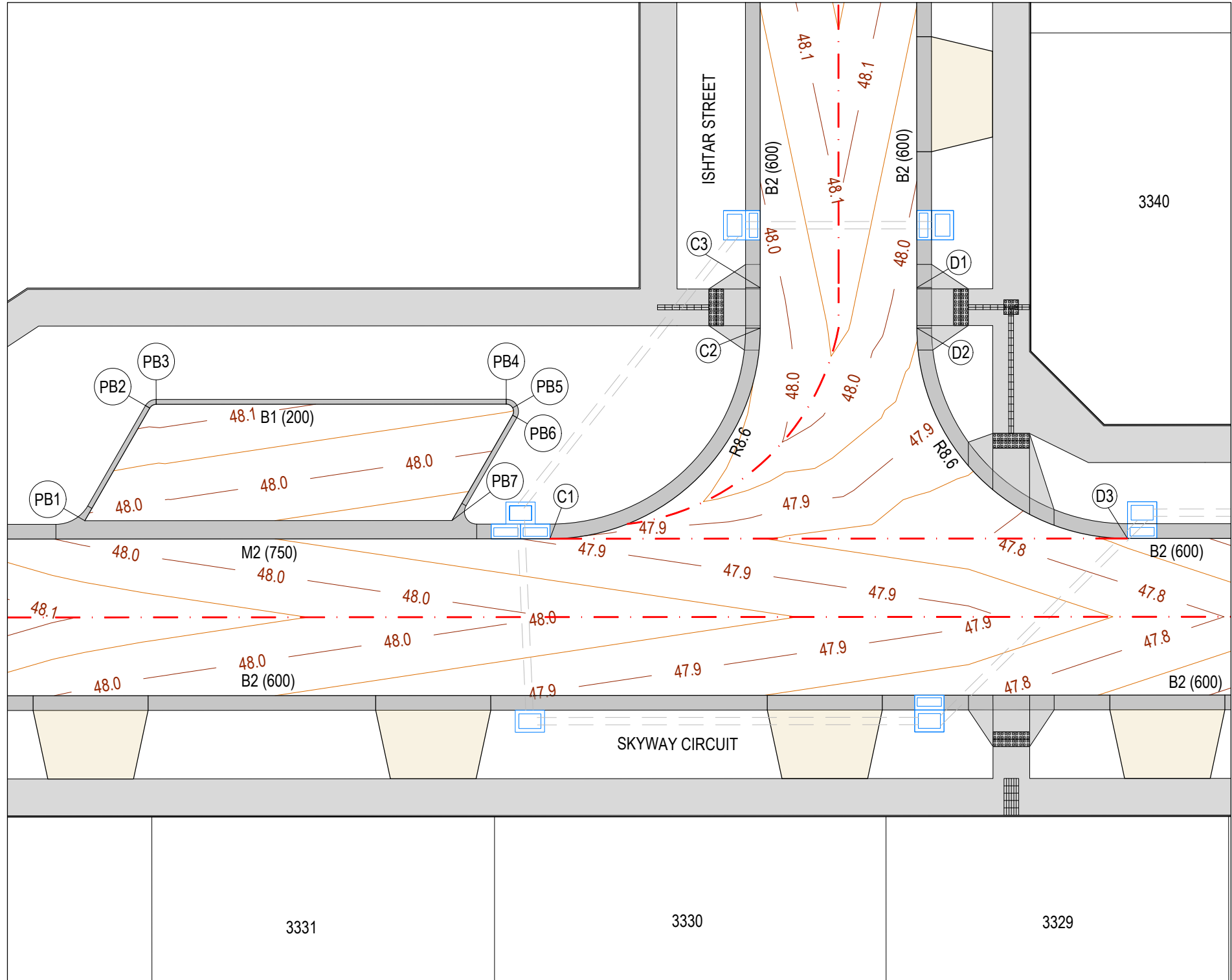
**Approved Plan As Required
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Permit No WYP10107/17
Date 30/1/2026**



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER				
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	 ALAMORA - STAGE 33 TYPICAL CROSS SECTIONS	ISSUED FOR CONSTRUCTION AS SHOWN	M. PLANT	A. WALE				
													M. PLANT	PROJECT MANAGER	
													M. PLANT	M. TROUNCE	
													PROJECT No.	DRAWING No.	REVISION
													200282.33	R204	0
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S										
B	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T										
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T										



SKYWAY CIRCUIT & ISHTAR STREET EASTERN INTERSECTION



SKYWAY CIRCUIT & ISHTAR STREET WESTERN INTERSECTION



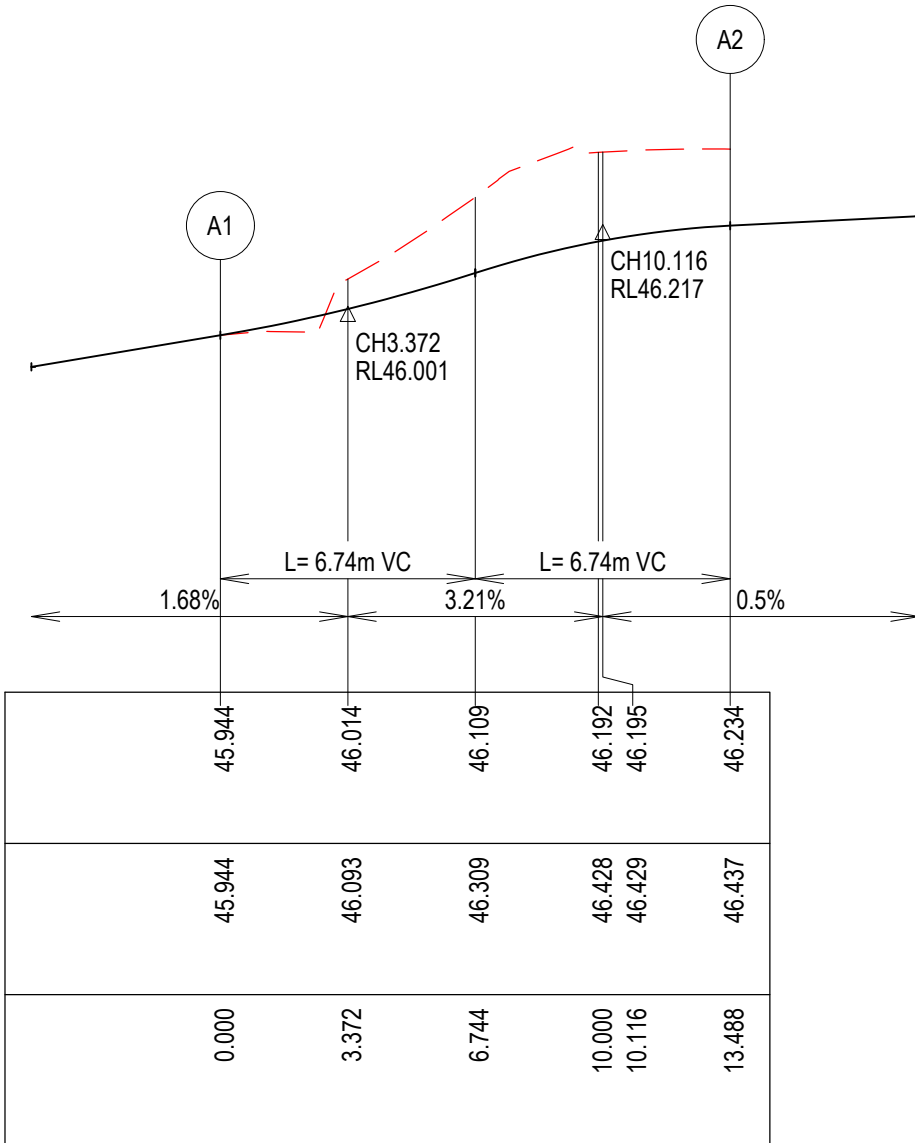
VERTICAL GEOMETRY

DATUM RL45

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE A

Alignment A

Point no	Easting	Northing	RL
A1	291963.192	5808893.356	45.944
A2	291955.864	5808903.044	46.234

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
A1 - A2	89.858	8.600	13.488	2.511	1.859	3.286	2.787	3.372	46.109

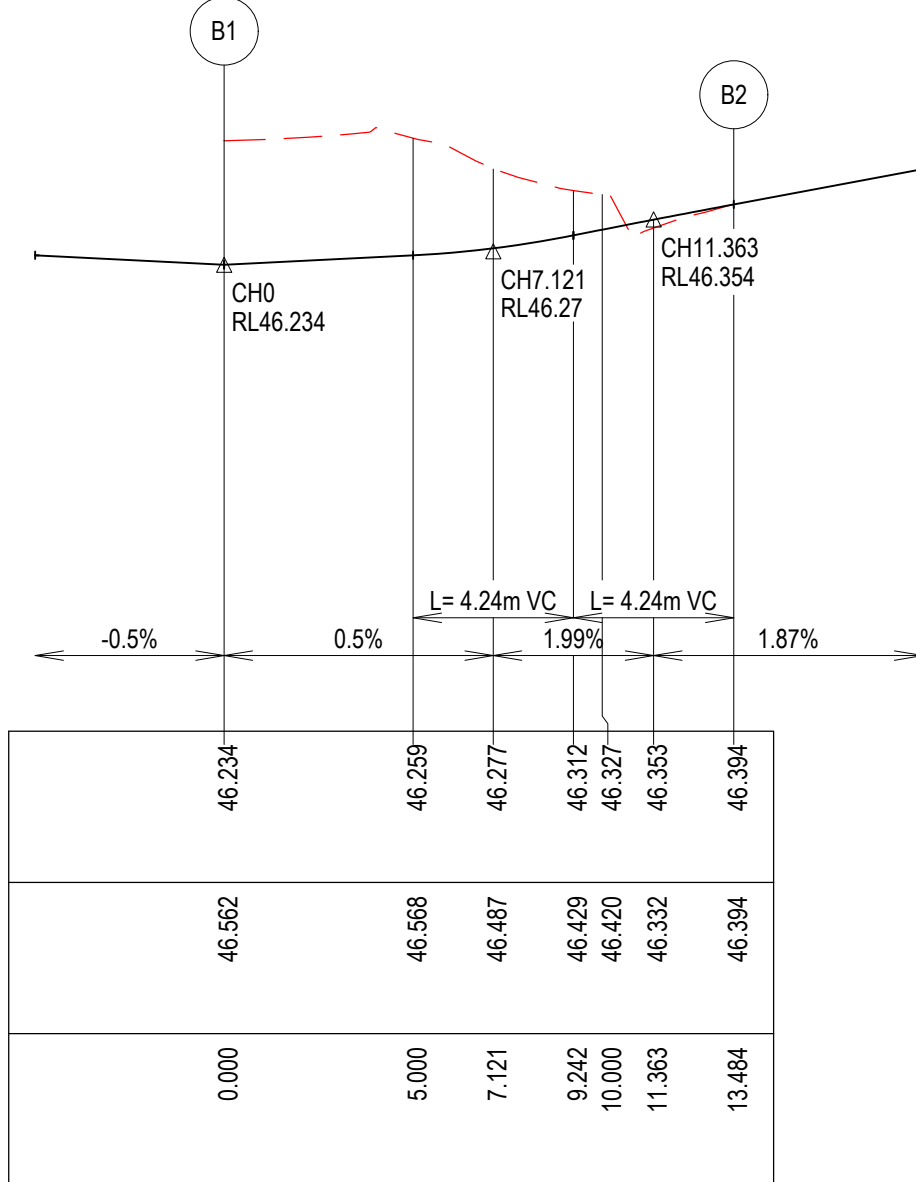
VERTICAL GEOMETRY

DATUM RL45

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

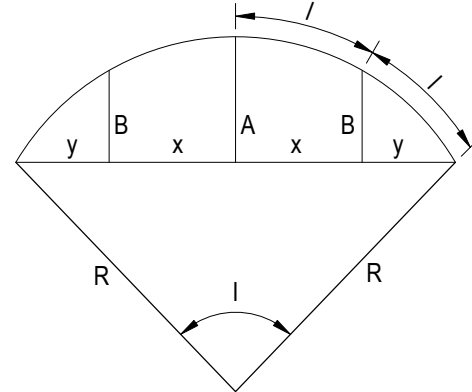
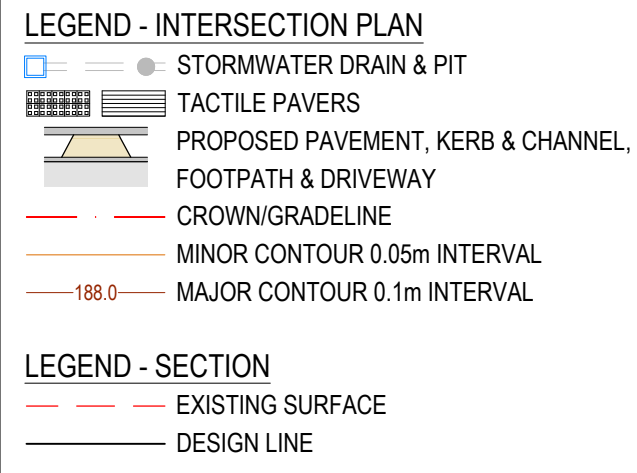


LIP LINE B

Alignment B

Point no	Easting	Northing	RL
B1	291956.801	5808909.375	46.234
B2	291966.507	5808916.675	46.394

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
B1 - B2	89.832	8.600	13.484	2.510	1.858	3.285	2.787	3.371	46.273



LIP PROFILE SETOUT



NOTE
FOR SIGNS & LINEMARKING PLAN
REFER SHEETS R800.

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Approved Plan As Required
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Date 30/1/2026

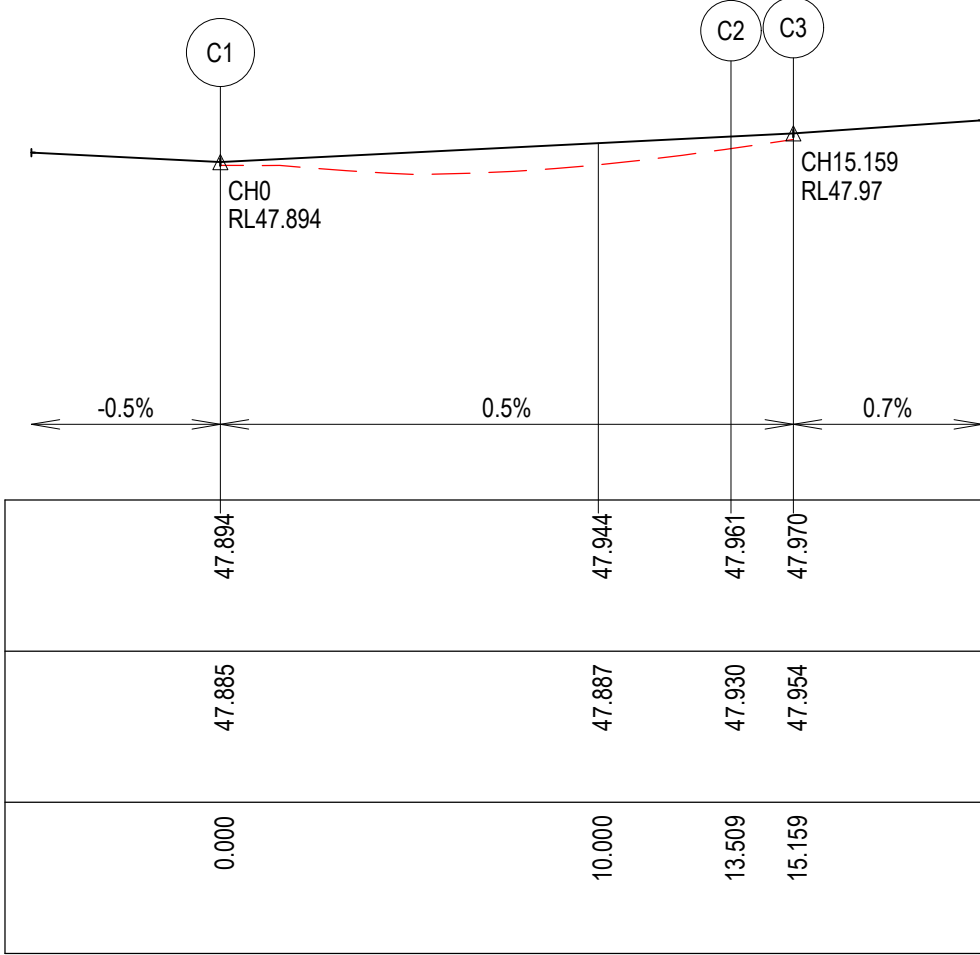
VERTICAL GEOMETRY

DATUM RL47

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE C

Alignment C

Point no	Easting	Northing	RL
C1	291788.476	5808932.935	47.894
C2	291798.186	5808940.260	47.961
C3	291798.414	5808941.894	47.970

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
C1 - C2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	47.928

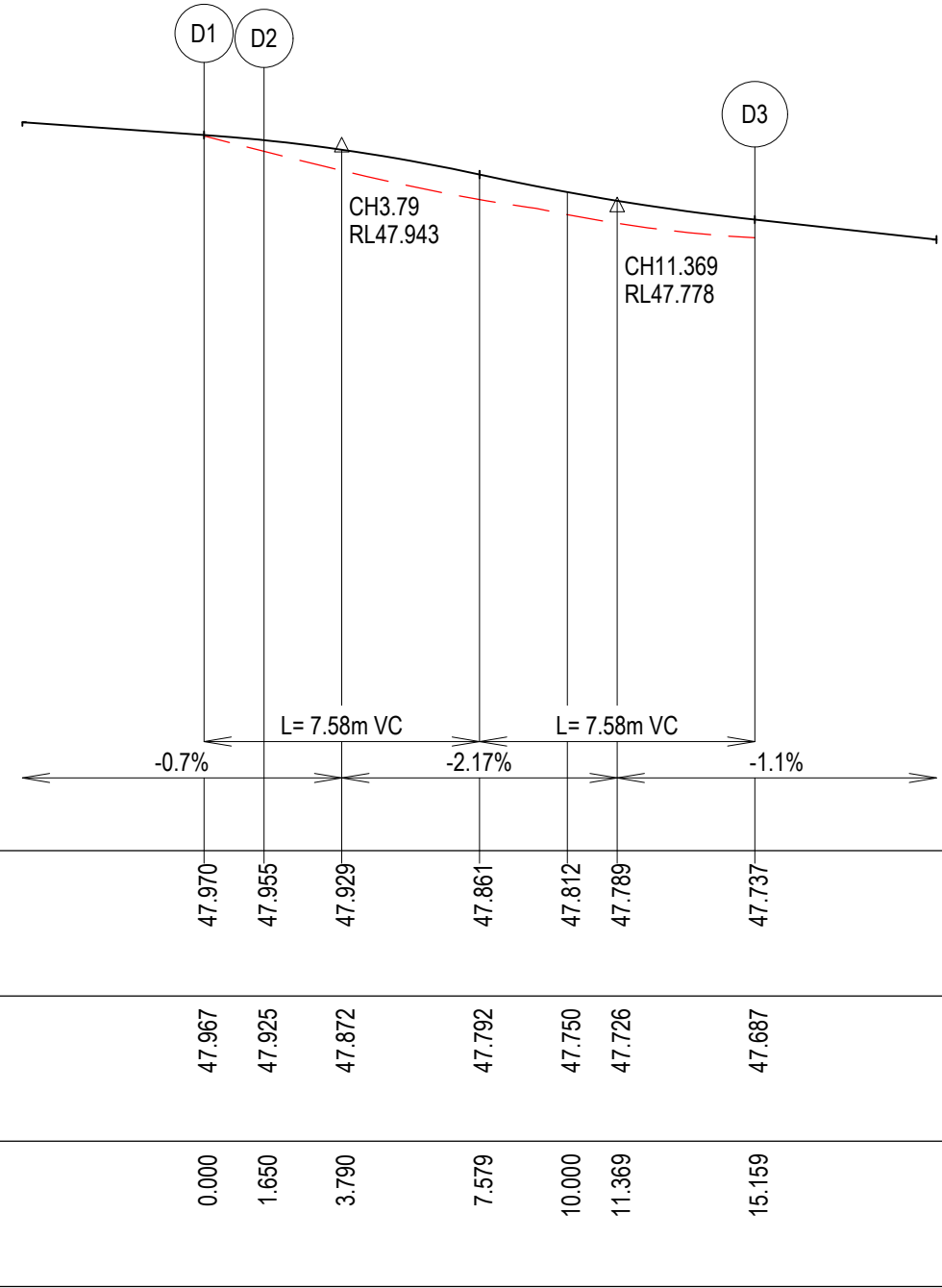
VERTICAL GEOMETRY

DATUM RL46

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE D

Alignment D

Point no	Easting	Northing	RL
D1	291804.752	5808941.007	47.970
D2	291804.524	5808939.373	47.955
D3	291811.849	5808929.664	47.737

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D2 - D3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	47.843

Alignment Parking Bay

Point no	Easting	Northing	RL
PB1	291769.759	5808936.312	48.002
PB2	291773.027	5808940.500	48.125
PB3	291773.305	5808940.612	48.133
PB4	291787.474	5808938.629	48.061
PB5	291787.711	5808938.445	48.053
PB6	291787.669	5808938.147	48.045
PB7	291784.614	5808934.233	47.914

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
PB2 - PB3	60.000	0.300	0.314	0.040	0.030	0.078	0.072	0.079	48.129
PB4 - PB5	60.000	0.300	0.314	0.040	0.030	0.078	0.072	0.079	48.057
PB5 - PB6	60.000	0.300	0.314	0.040	0.030	0.078	0.072	0.079	48.049

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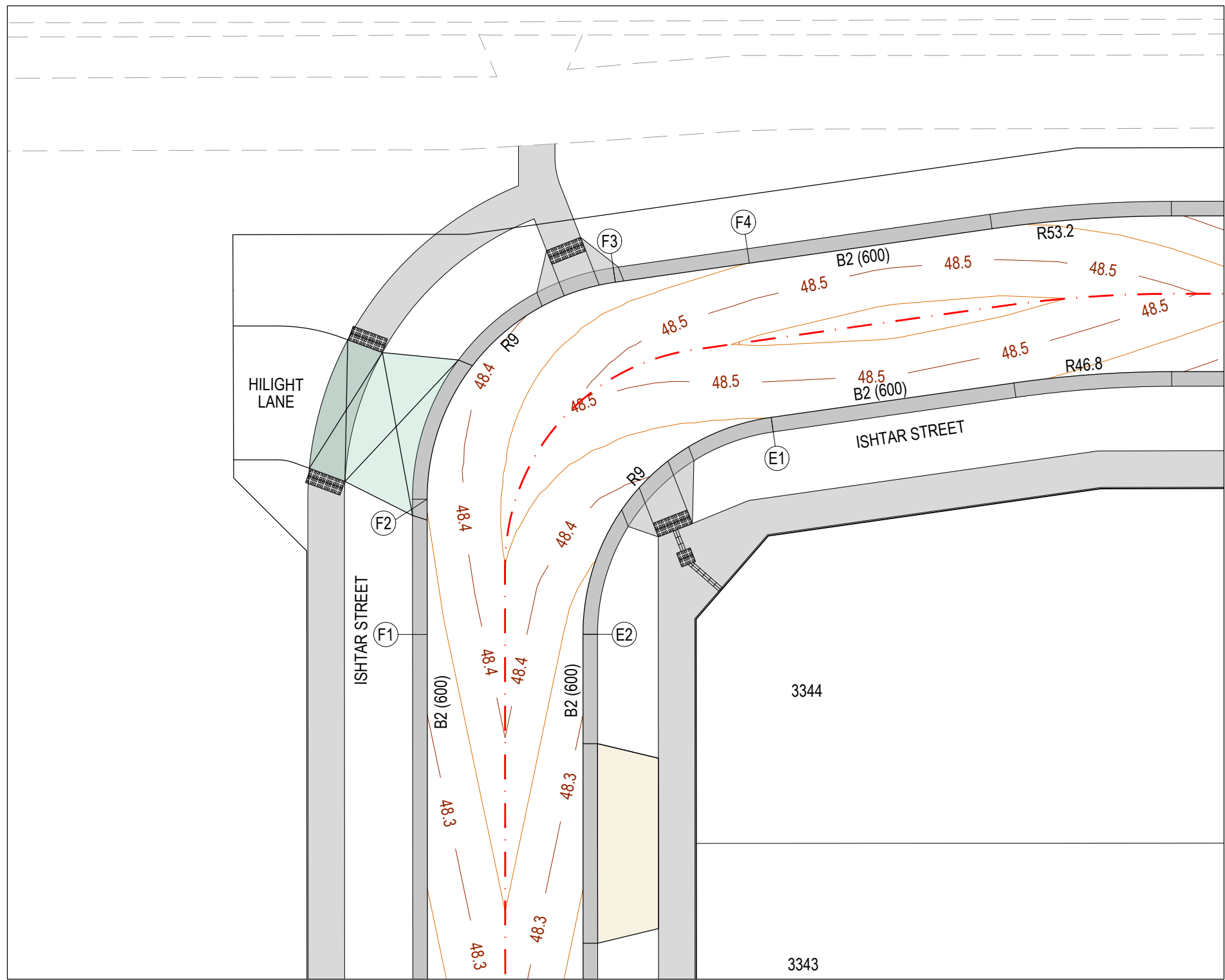
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P.	A.W.	E.S.
B	19/09/25	ISSUED FOR TENDER	M.P.	A.W.	M.T.
A	31/07/25	ISSUED FOR APPROVAL	M.P.	A.W.	M.T.



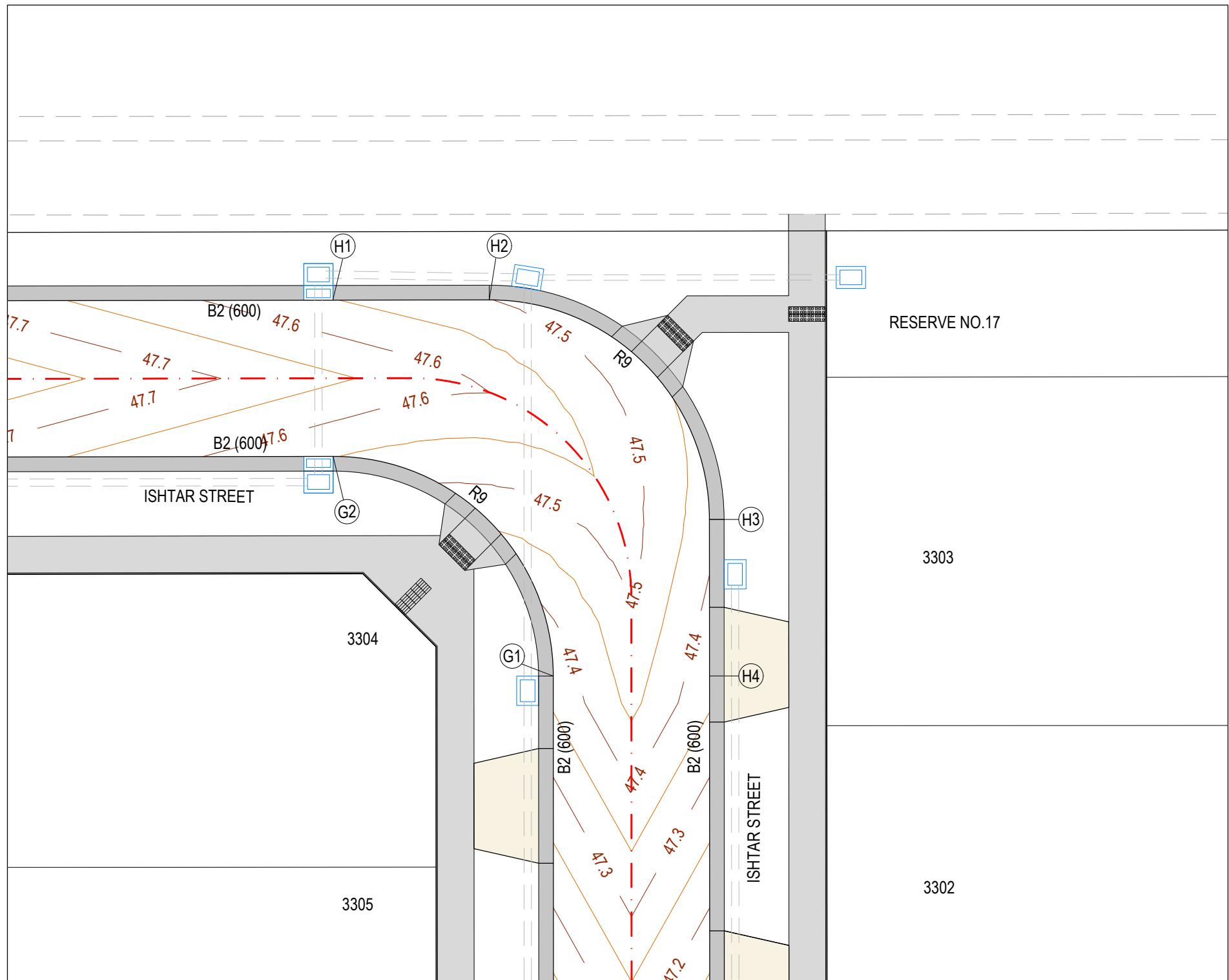
DRAWING TITLE
**ALAMORA - STAGE 33
INTERSECTION DETAILS - 1**

STATUS
**ISSUED FOR
CONSTRUCTION**
SCALE @ A1 :
AS SHOWN

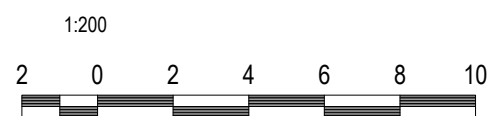
	DESIGNED	PROJECT ENGINEER	
	M.PLANT	A.WALE	
	DRAWN	PROJECT MANAGER	
	M. PLANT	M. TROUNCE	
	PROJECT No.	DRAWING No.	REVISION
	200282.33	R300	0



ISHTAR STREET WESTERN BEND



ISHTAR STREET EASTERN BEND



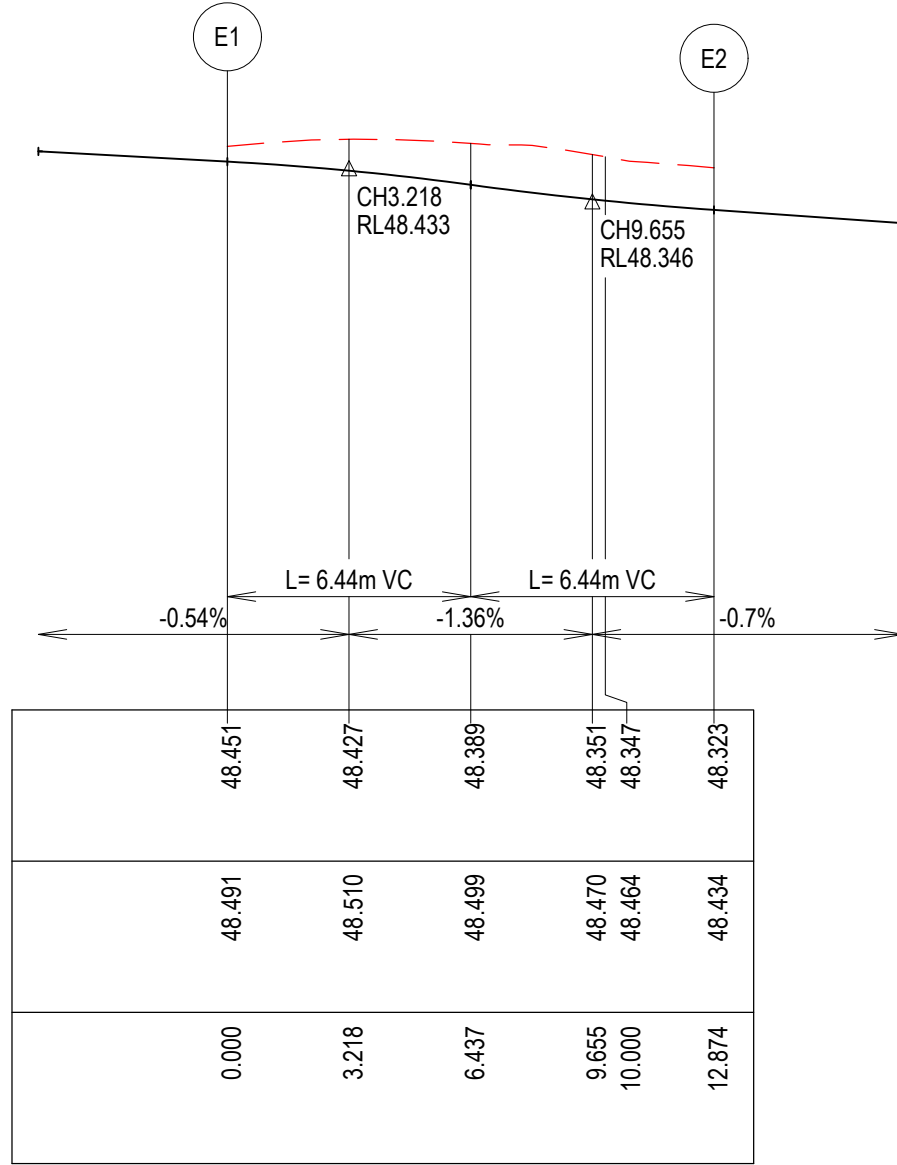
VERTICAL GEOMETRY

DATUM RL47

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE E

Alignment E

Point no	Easting	Northing	RL
E1	291820.652	5808998.761	48.451
E2	291811.751	5808991.008	48.323

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
E1 - E2	81.957	9.000	12.874	2.205	1.636	3.150	2.752	3.218	48.389

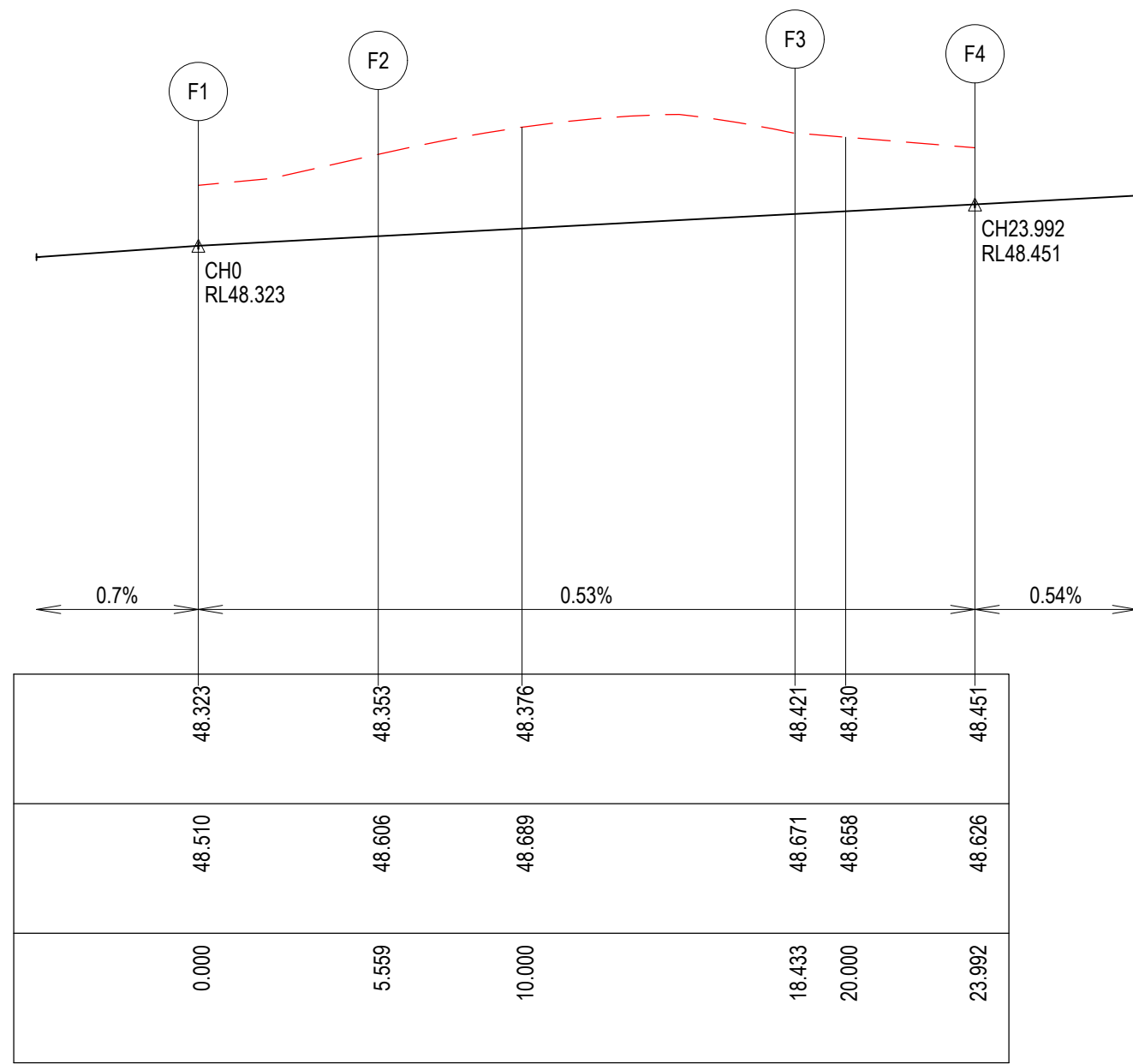
VERTICAL GEOMETRY

DATUM RL47

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

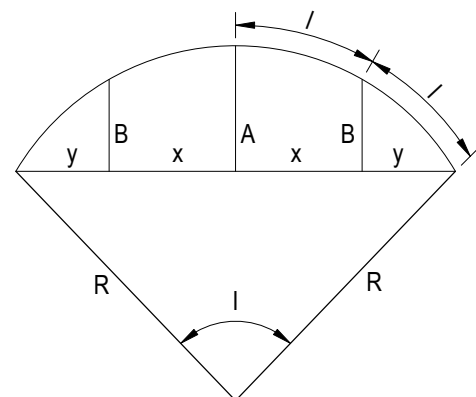
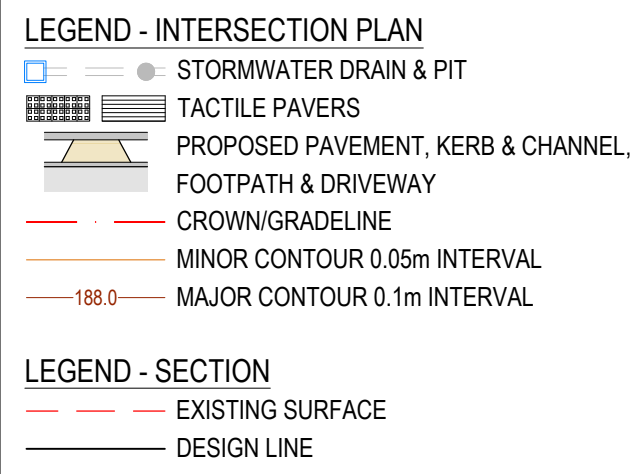


LIP LINE F

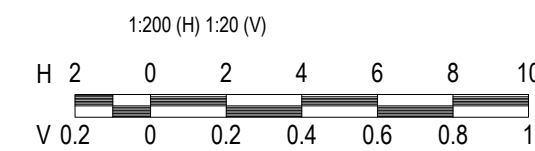
Alignment F

Point no	Easting	Northing	RL
F1	291805.413	5808991.895	48.323
F2	291806.183	5808997.401	48.353
F3	291815.085	5809005.153	48.421
F4	291820.644	5809005.161	48.451

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
F2 - F3	81.957	9.000	12.874	2.205	1.636	3.150	2.752	3.218	48.387



LIP PROFILE SETOUT



NOTE

FOR SIGNS & LINEMARKING PLAN
REFER SHEETS R800.

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026

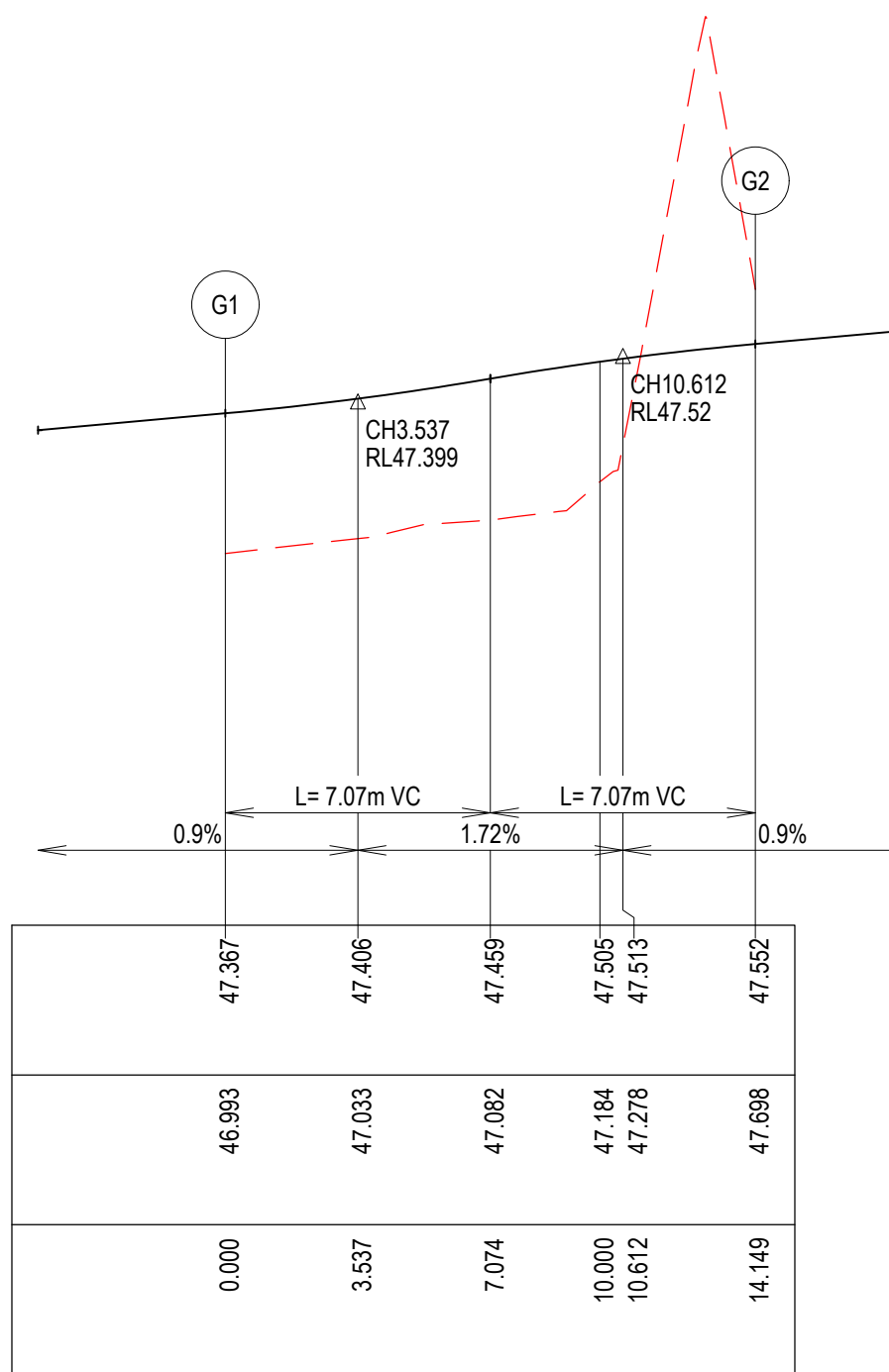
VERTICAL GEOMETRY

DATUM RL46

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE G

Alignment G

Point no	Easting	Northing	RL
G1	291974.035	5808970.263	47.367
G2	291966.358	5808980.425	47.552

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
G1 - G2	90.074	9.000	14.149	2.640	1.954	3.447	2.921	3.537	47.459

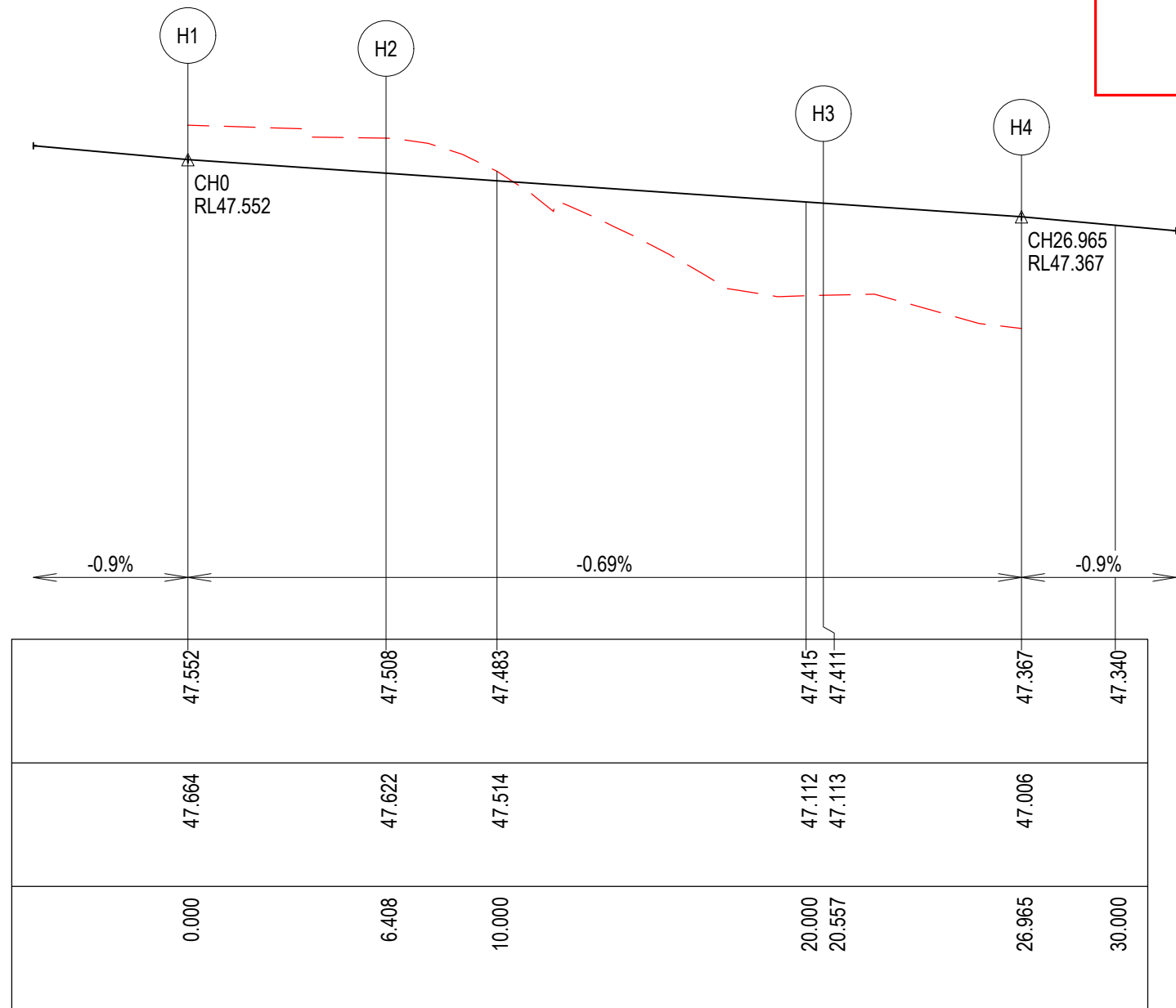
VERTICAL GEOMETRY

DATUM RL46

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE H

Alignment H

Point no	Easting	Northing	RL
H1	291967.237	5808996.765	47.552
H2	291973.585	5808985.884	47.508
H3	291981.262	5808975.722	47.411
H4	291980.374	5808969.376	47.367

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
H2 - H3	90.074	9.000	14.149	2.640	1.954	3.447	2.921	3.537	47.459

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
BEFORE YOU DIG
www.byda.com.au

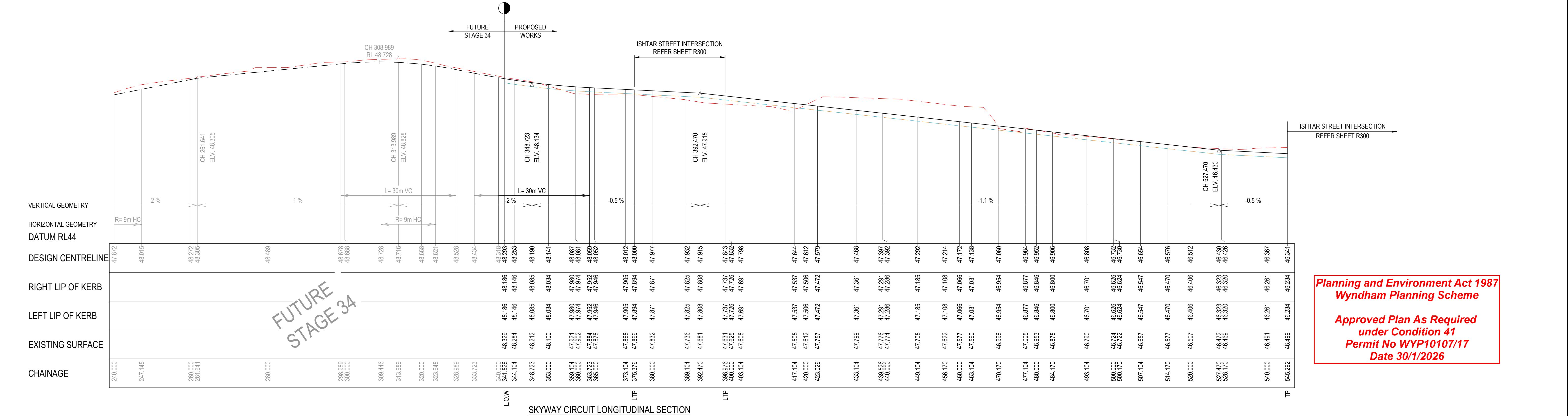
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P.	A.W.	E.S.
B	19/09/25	ISSUED FOR TENDER	M.P.	A.W.	M.T.
A	31/07/25	ISSUED FOR APPROVAL	M.P.	A.W.	M.T.



DRAWING TITLE
**ALAMORA - STAGE 33
INTERSECTION DETAILS - 2**

STATUS
**ISSUED FOR
CONSTRUCTION**
SCALE @ A1:
AS SHOWN

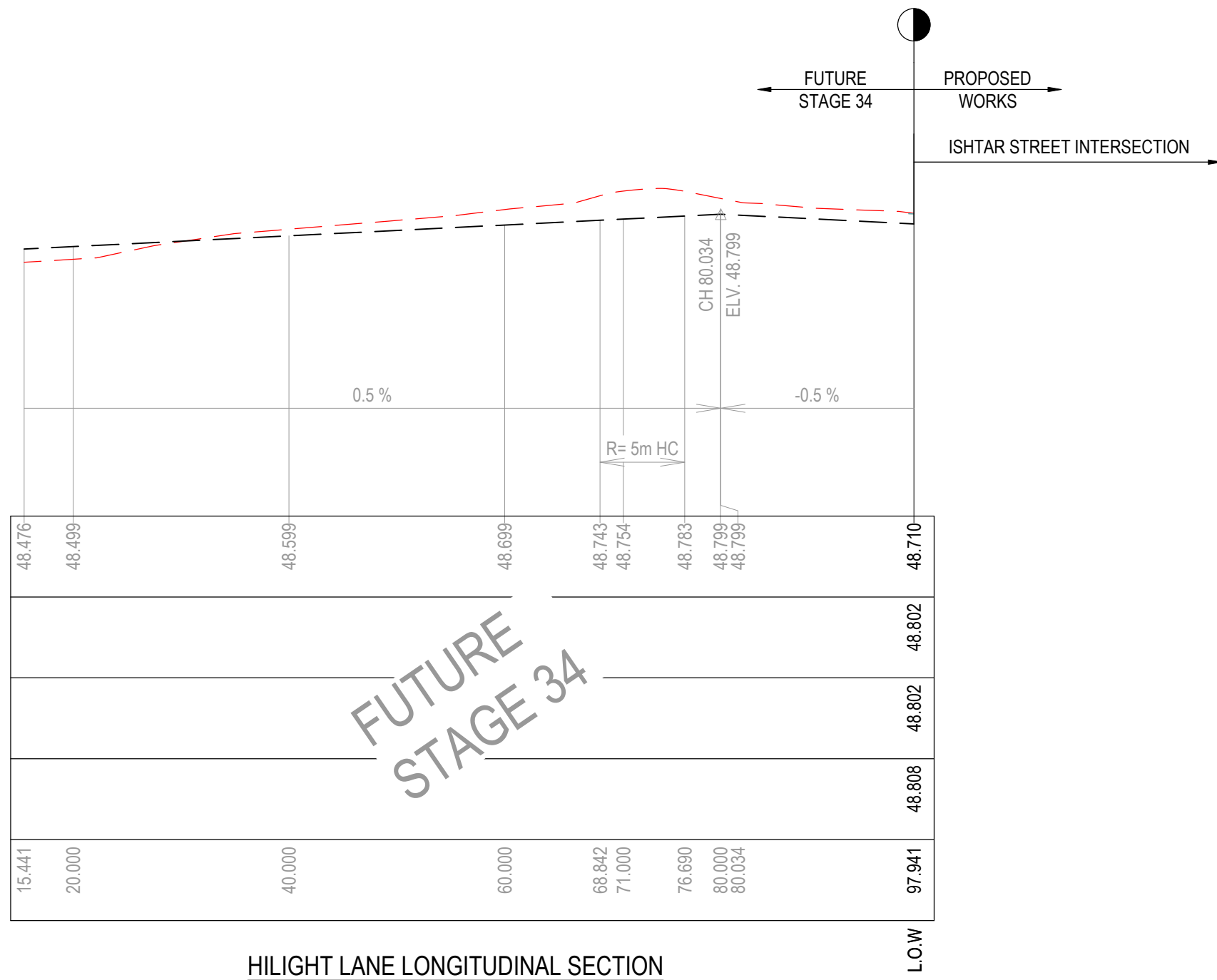
DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.33	DRAWING No. R301
REVISION 0	



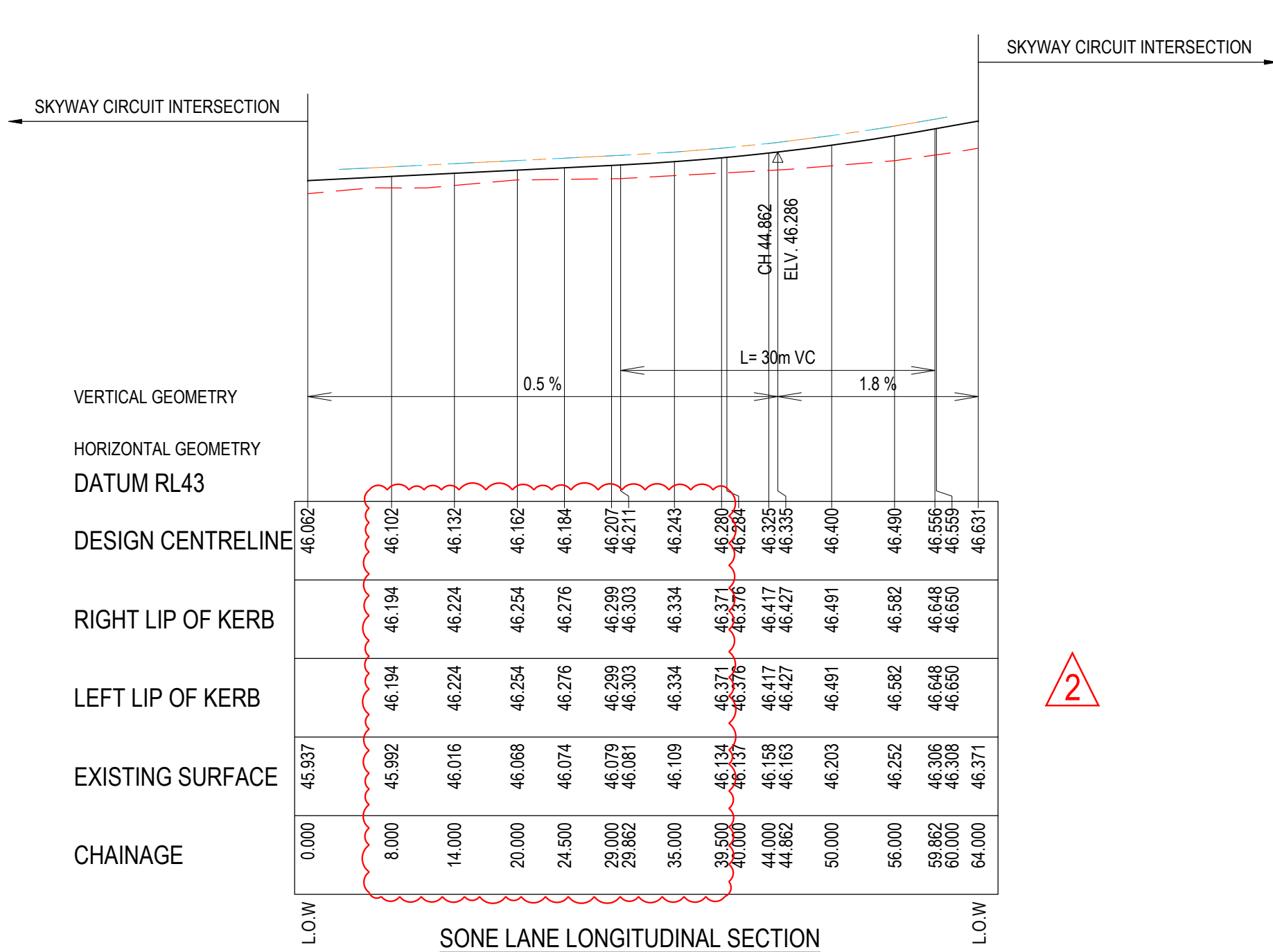
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER	
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 33 ROAD LONGITUDINAL SECTIONS - 1	ISSUED FOR CONSTRUCTION SCALE @ A1 : 1:500 (H) 1:50 (V) H 10501020 V 10.5012	M.PLANT	A.WALE	
					M.PLANT					M.TROUNCE		
					PROJECT No.					DRAWING No.	REVISION	
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					200282.33	R400	0
B	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T							
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T							

LEGEND - ROAD LONG SECTION
- - - EXISTING SURFACE
— DESIGN LINE
— LEFT LIP OF KERB
— RIGHT LIP OF KERB
▲ INTERSECTION POINT

VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL46
DESIGN CENTRELINE
RIGHT LIP OF KERB
LEFT LIP OF KERB
EXISTING SURFACE
CHAINAGE



VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL43
DESIGN CENTRELINE
RIGHT LIP OF KERB
LEFT LIP OF KERB
EXISTING SURFACE
CHAINAGE



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Date 10/06/2026

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER		
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA <i>Tarnait</i>	ALAMORA - STAGE 33 ROAD LONGITUDINAL SECTIONS - 2 ISSUED FOR CONSTRUCTION SCALE @ A1 : 1:500 (H) 1:50 (V) H 10501020 V 10.5012	M.PLANT	A.WALE		
2	25/05/26	SONE LANE CHAINAGES AMENDED	M.P	A.W	E.S					M.PLANT	M.TROUNCE		
1	11/02/26	UPDATED LAYOUT - SONE LANE SHIFTED	M.P	A.W	E.S								
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S								
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T								
B	27/08/25	LANEWAY SECTION MOVED TO FUTURE STAGE	M.P	A.W	M.T								
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								

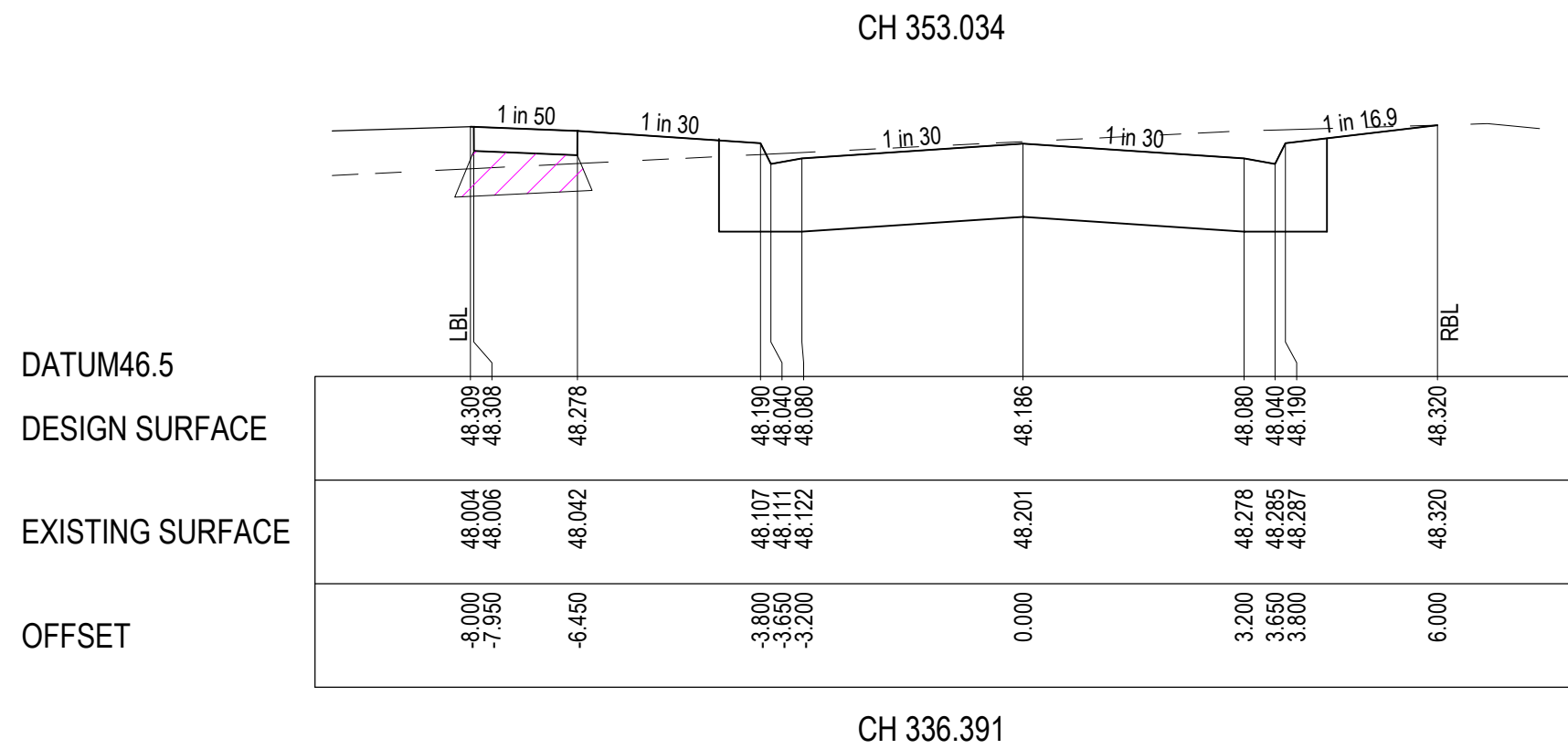
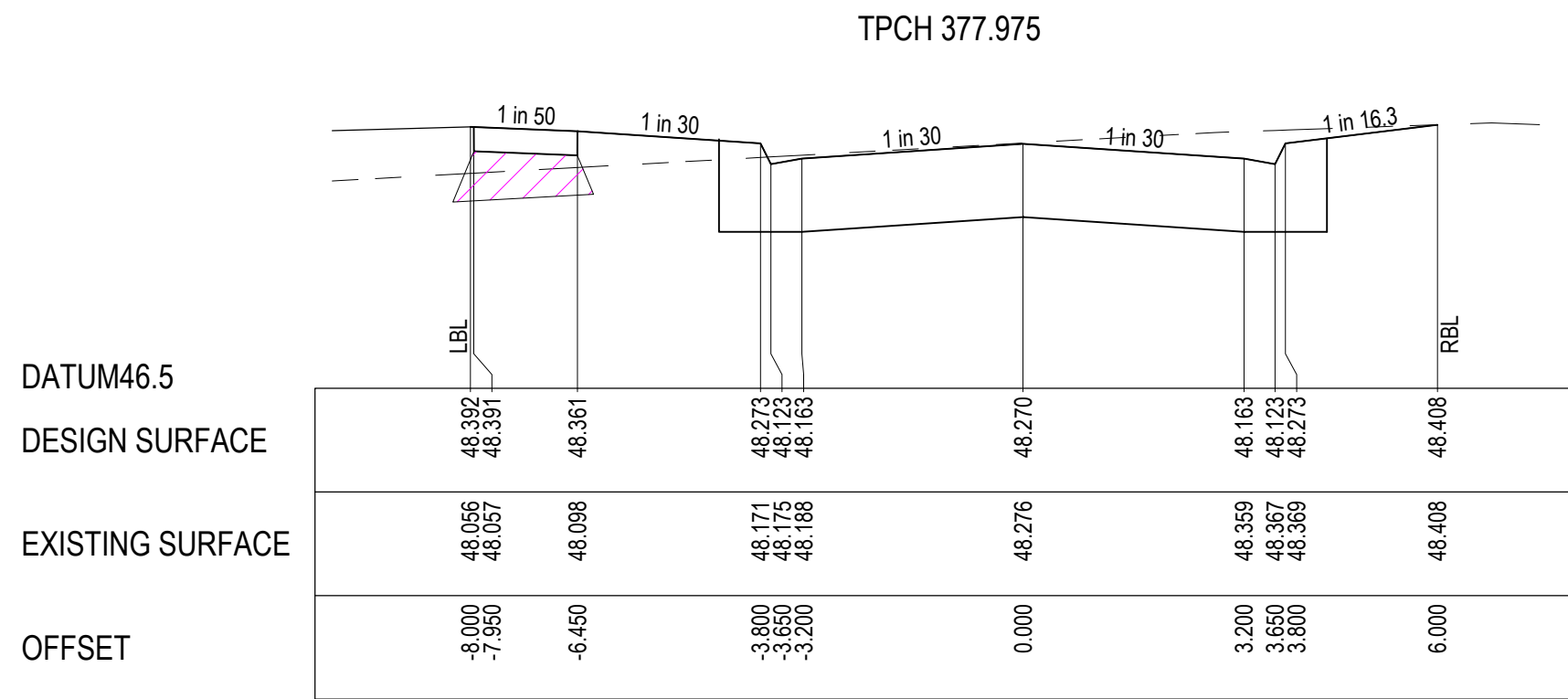
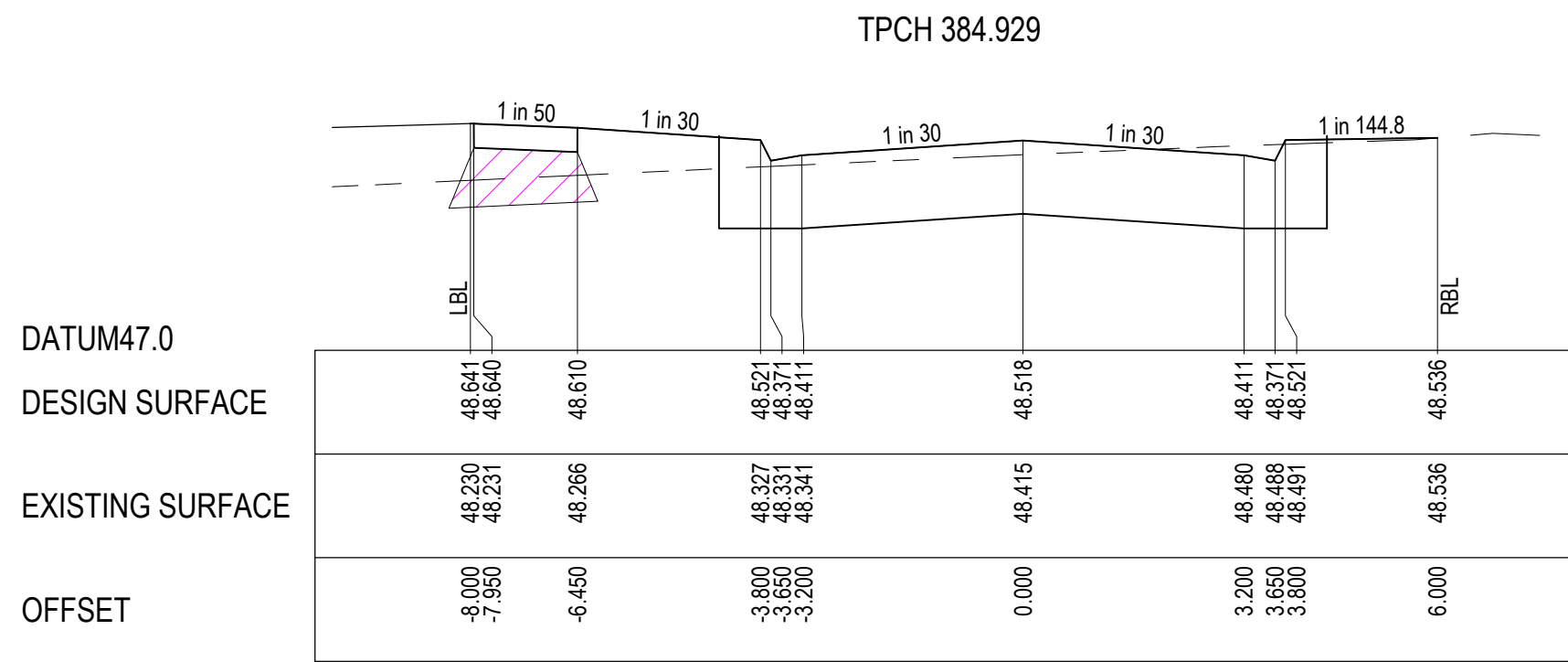
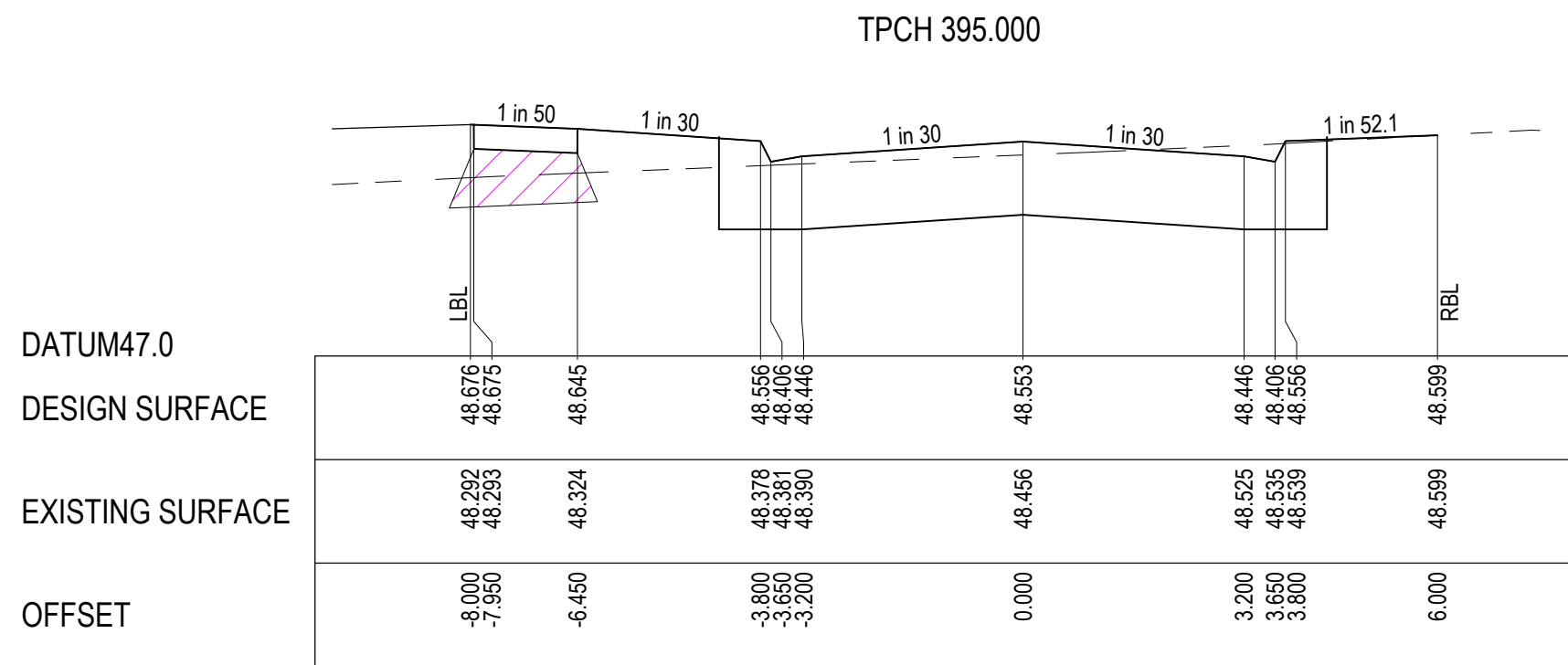
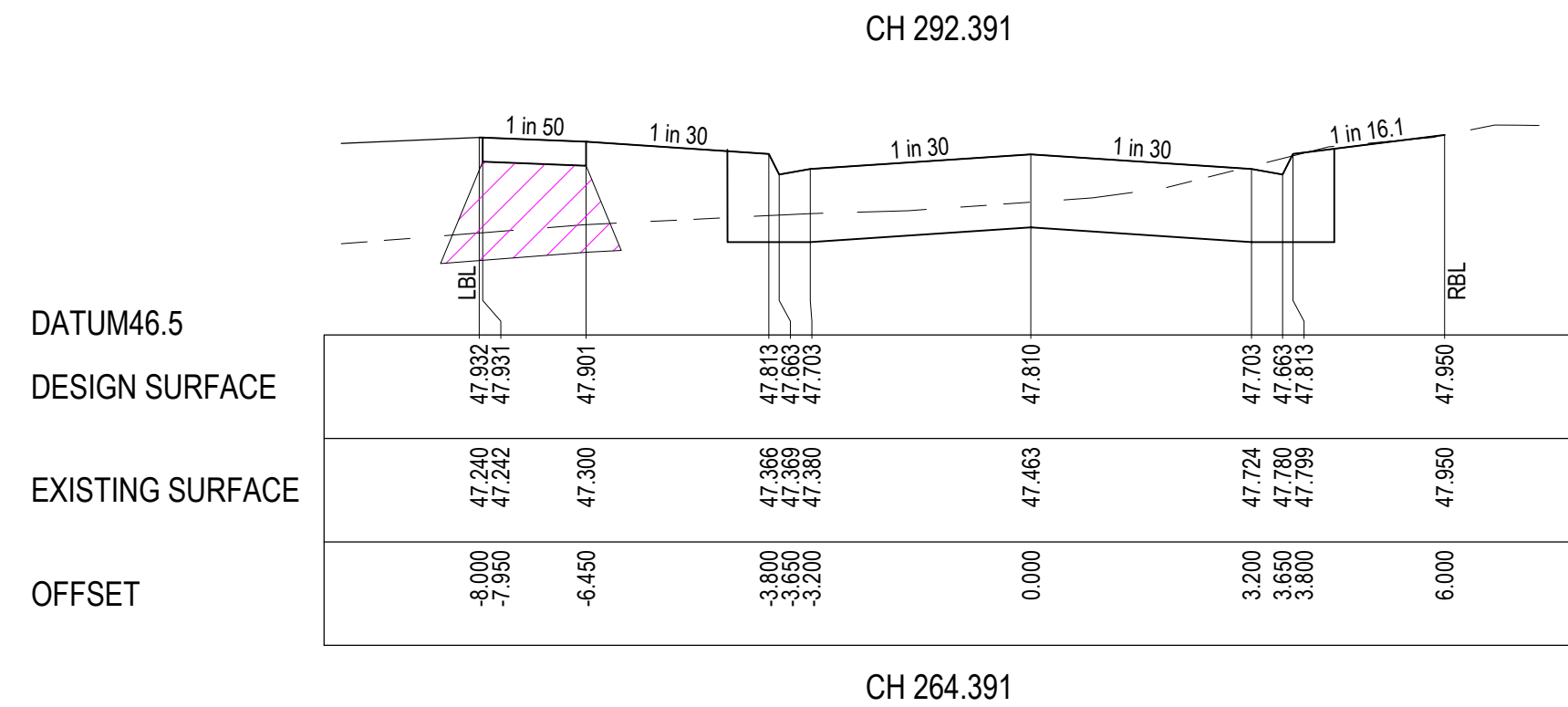
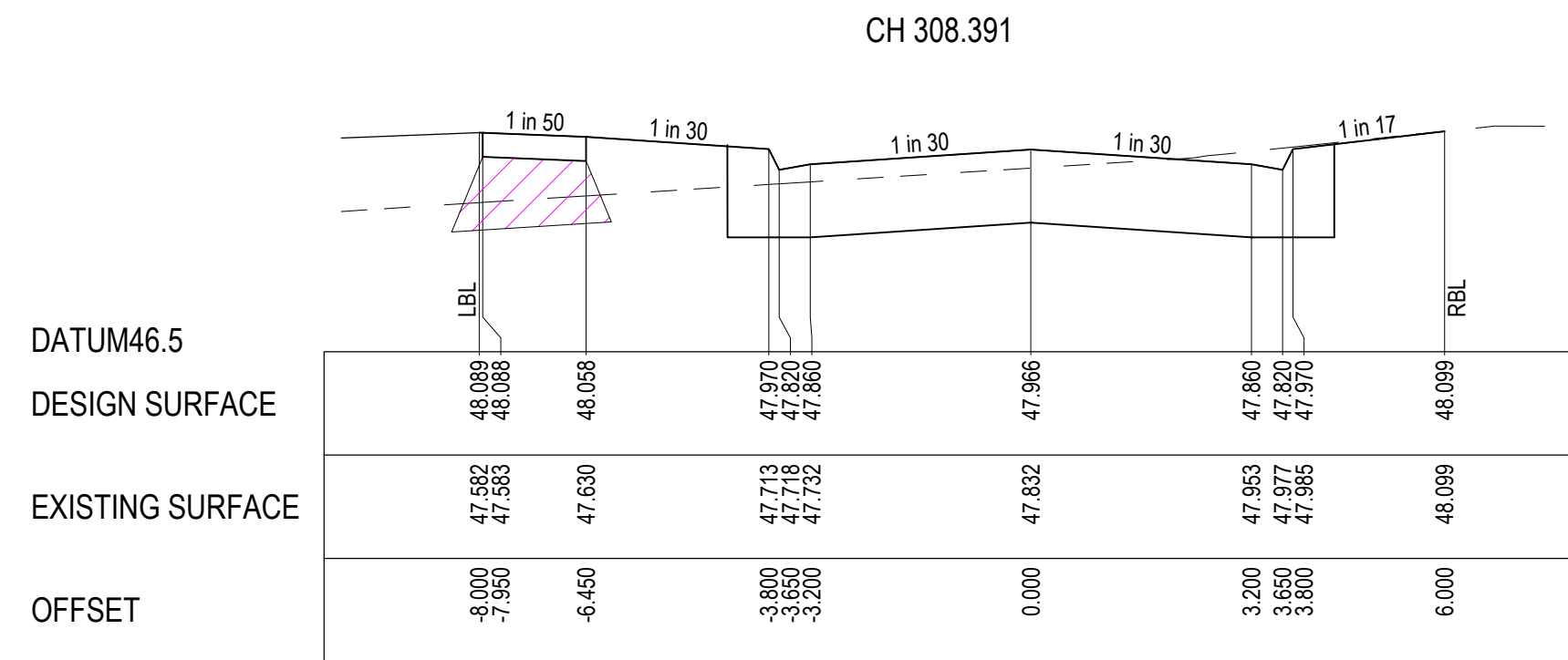
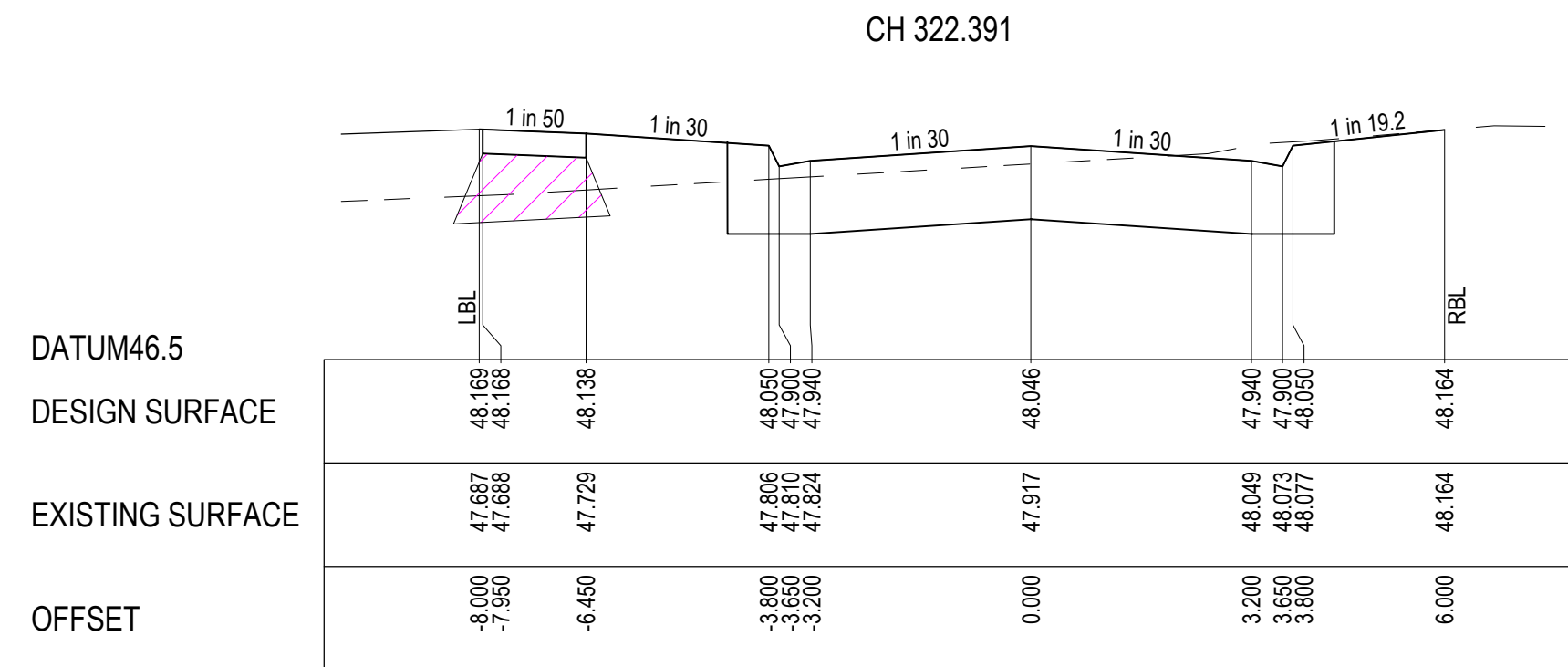
NOTE:
SELECT STRUCTURAL FILL IN ACCORDANCE WITH
WYNDHAM CITY COUNCIL SPECIFICATIONS &
REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND
FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE
EXISTING SURFACE.

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. Local all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG

www.1100.com.au



**Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026**

CLIENT					
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P.	A.W.	E.S.
B	19/09/25	ISSUED FOR TENDER	M.P.	A.W.	M.T.
A	31/07/25	ISSUED FOR APPROVAL	M.P.	A.W.	M.T.
 Communities Designed for Living					
					
Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220					
PROJECT					
					
DRAWING TITLE					
ALAMORA - STAGE 33 ROAD CROSS SECTIONS - 2 ISHTAR STREET					
STATUS					
ISSUED FOR CONSTRUCTION					
SCALE @ A1 : 1:100 (H) 1:50 (V)					
H	2	1	0	2	4
V	1	0.5	0	1	2
					
DESIGNED			PROJECT ENGINEER		
M.PLANT			A.WALE		
DRAIN			PROJECT MANAGER		
M. PLANT			M.TROUNCE		
PROJECT No. 200282.33			DRAWING No. R501		REVISION 0

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 - ROAD CROSS SECTION

- EXISTING SURFACE
- DESIGN LINE
- Q100
- SELECT STRUCTURAL FILL

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

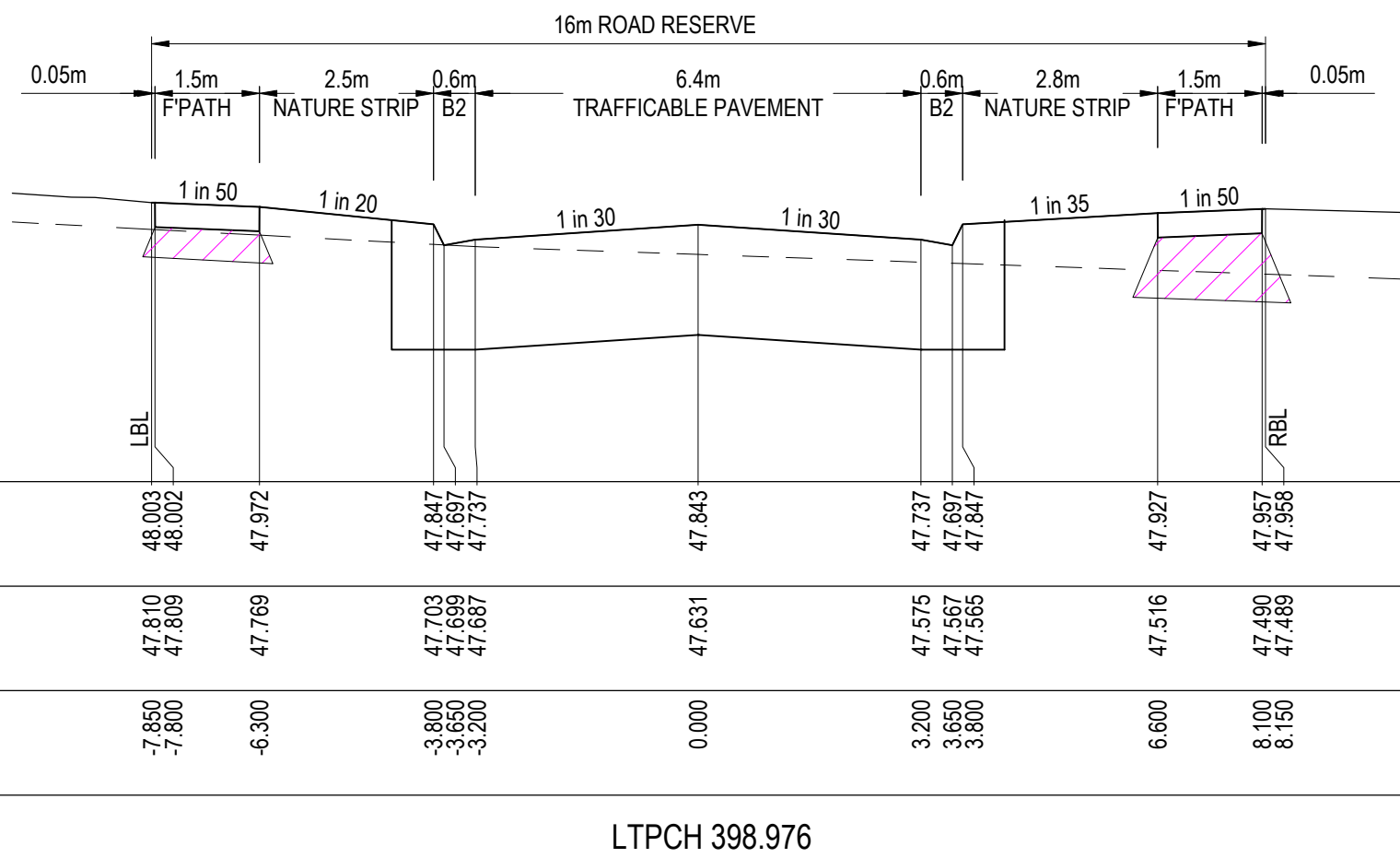
www.1100.com.au

DATUM46.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

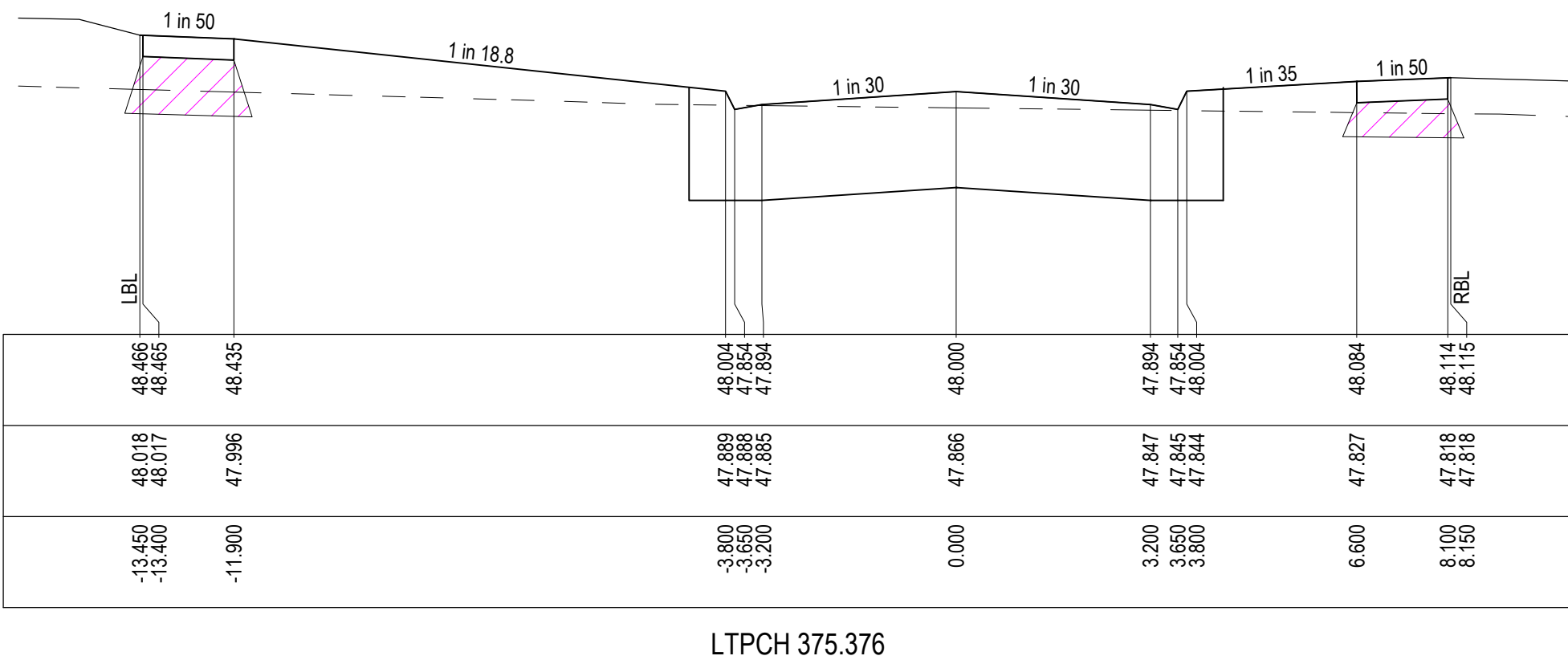


DATUM46.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

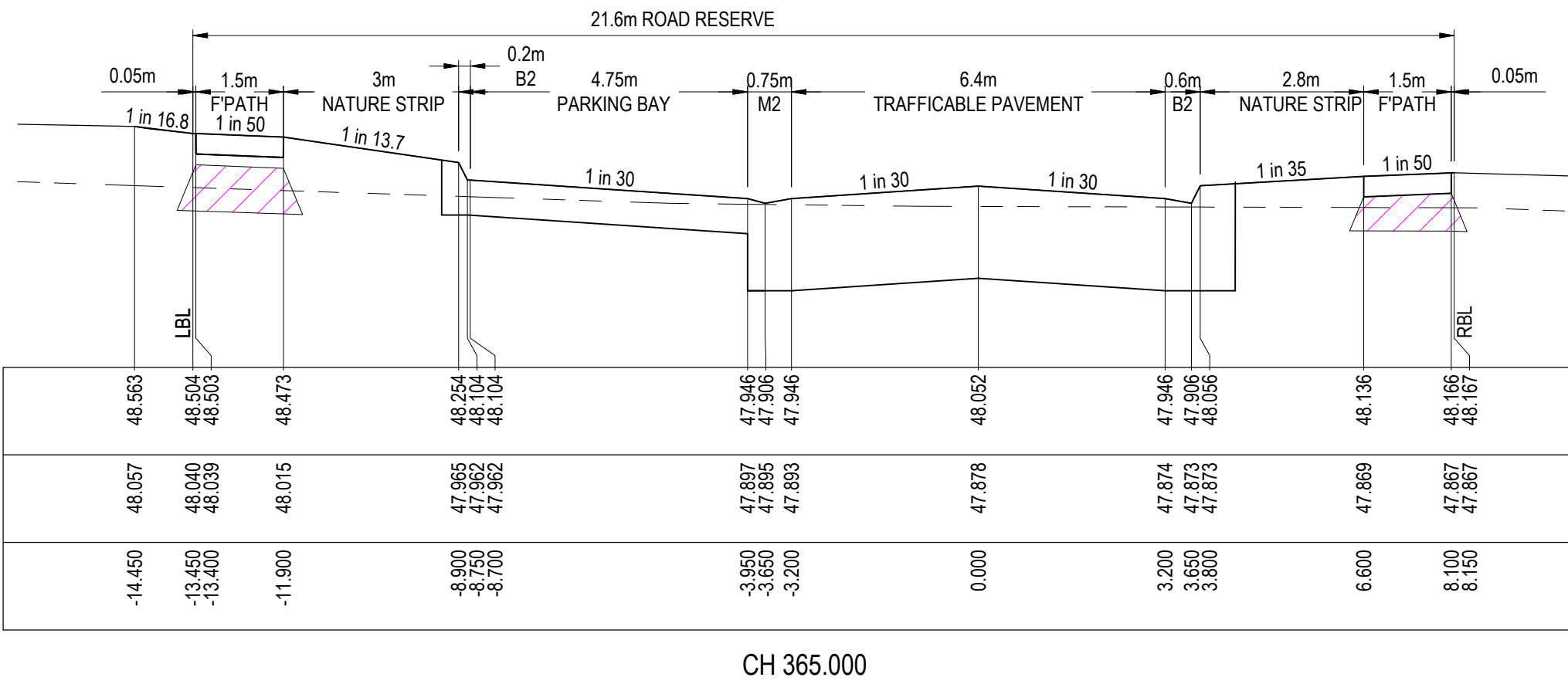


DATUM46.5

DESIGN SURFACE

EXISTING SURFACE

OFFSET

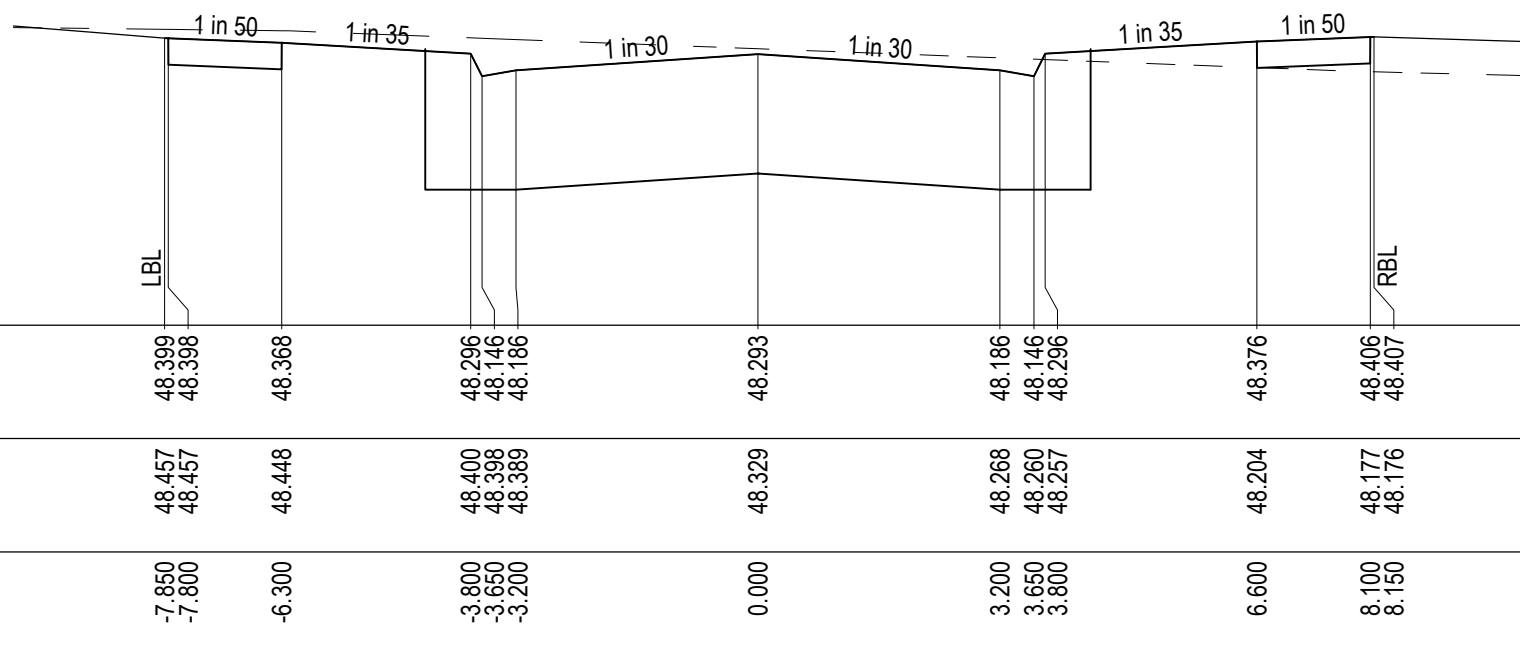


DATUM46.5

DESIGN SURFACE

EXISTING SURFACE

OFFSET

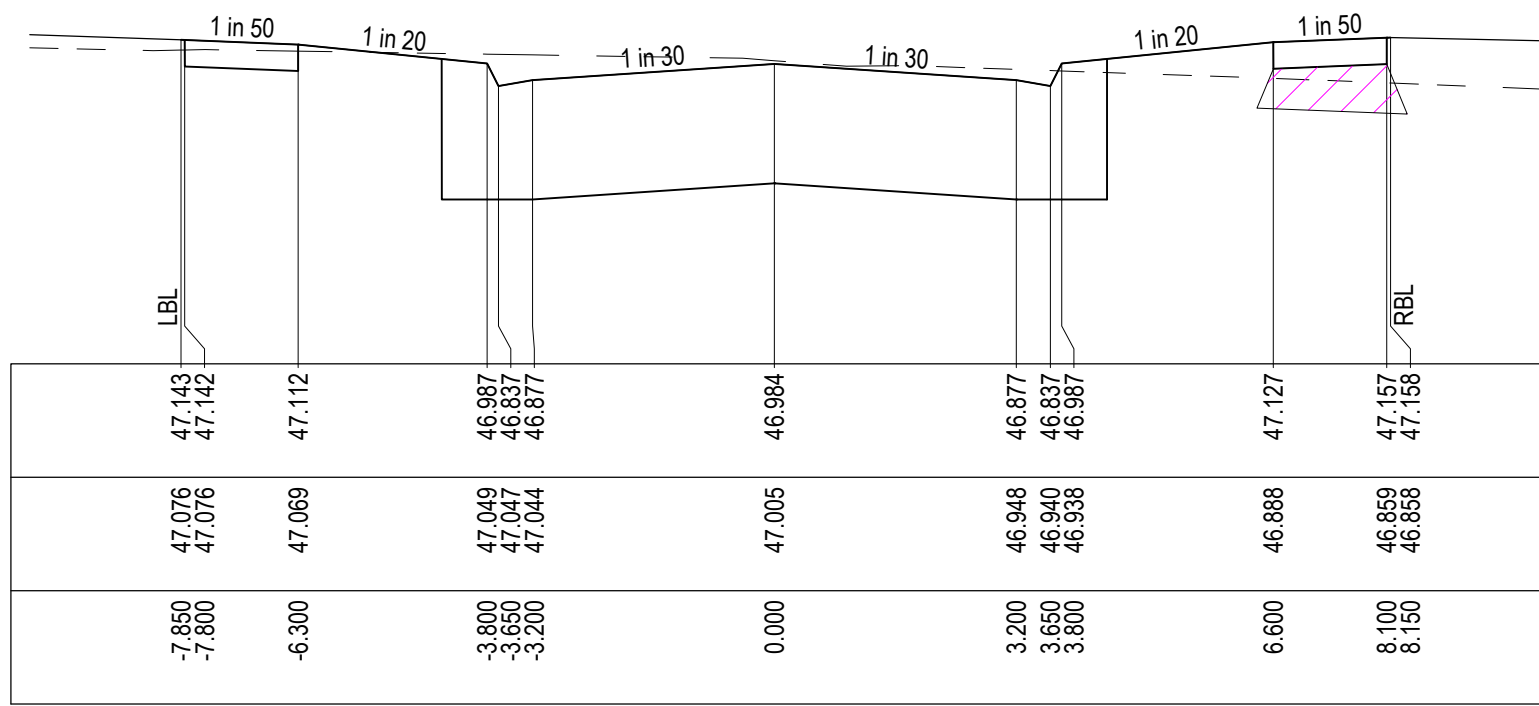


DATUM45.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

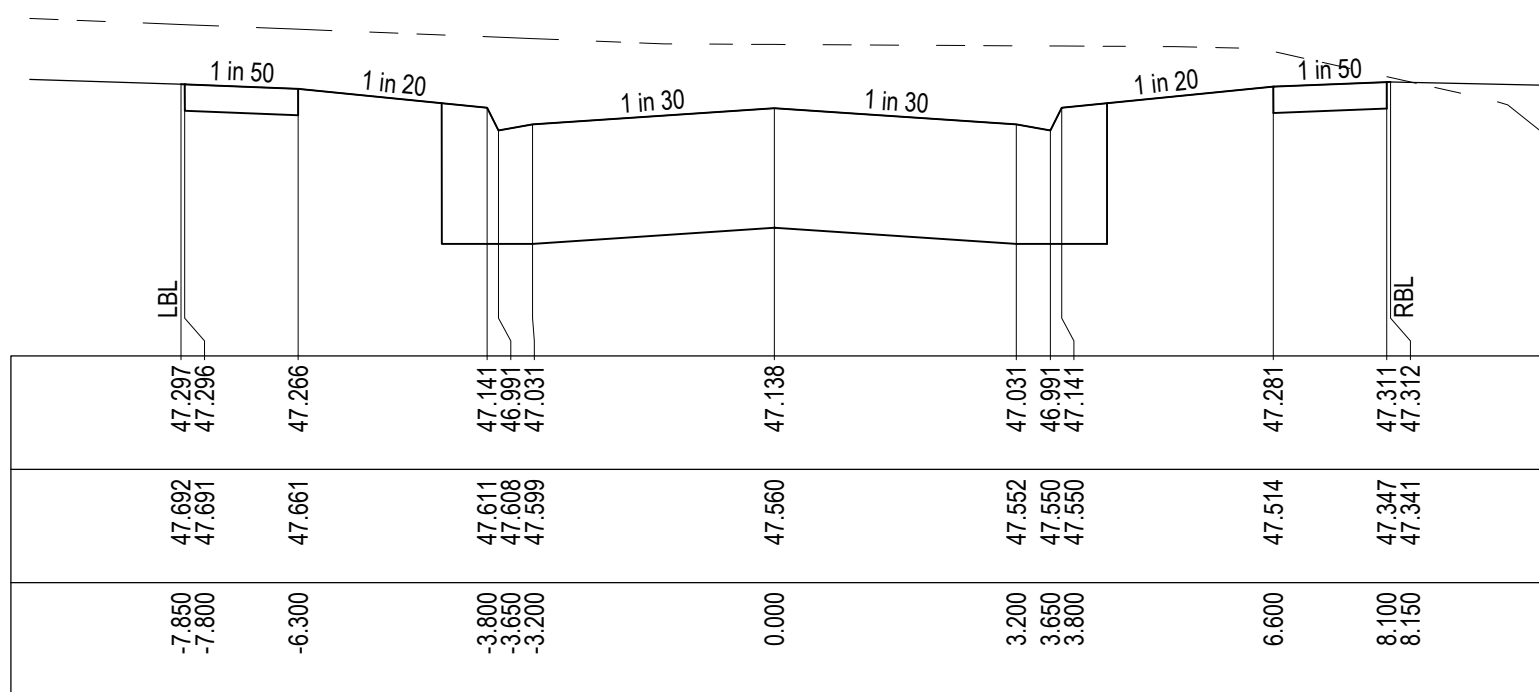


DATUM45.5

DESIGN SURFACE

EXISTING SURFACE

OFFSET

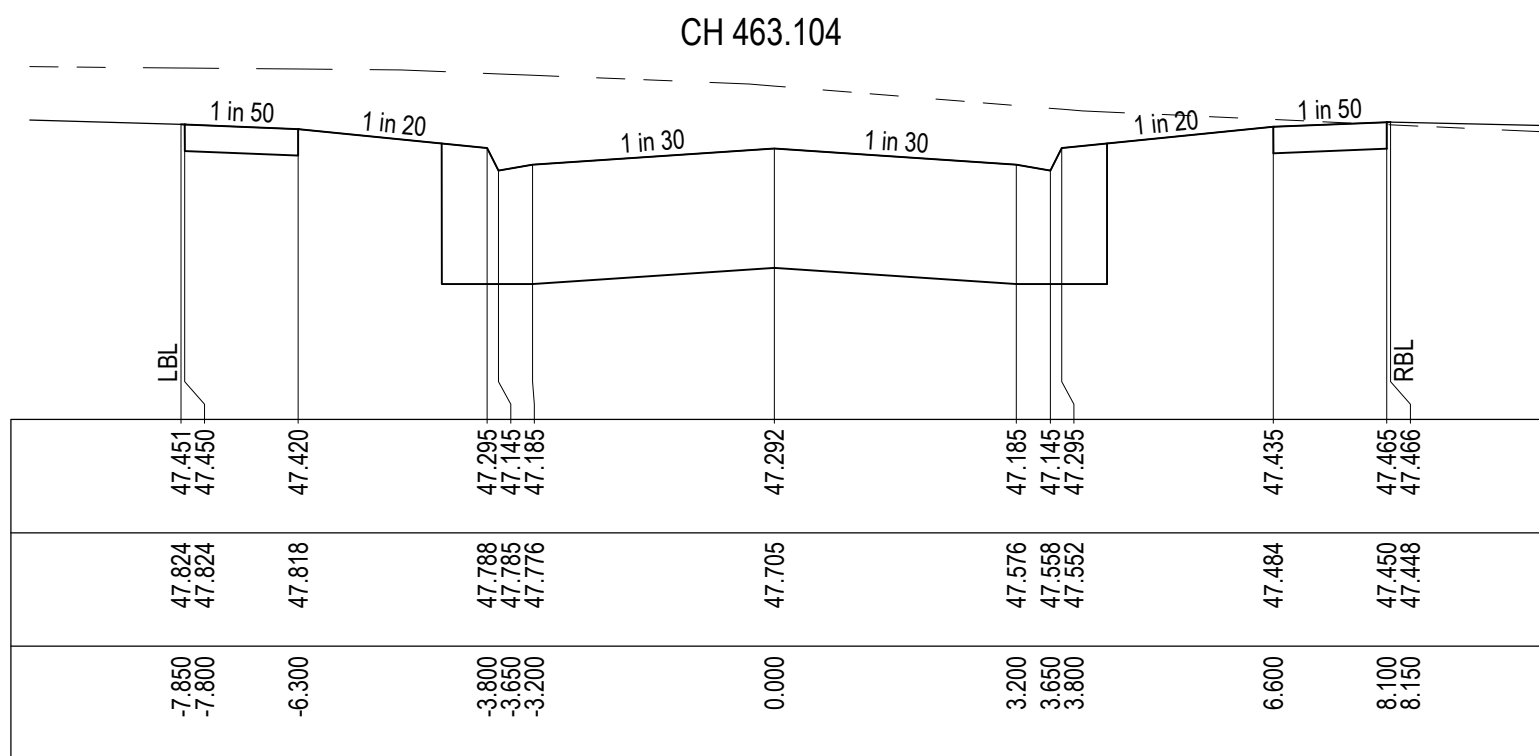


DATUM45.5

DESIGN SURFACE

EXISTING SURFACE

OFFSET

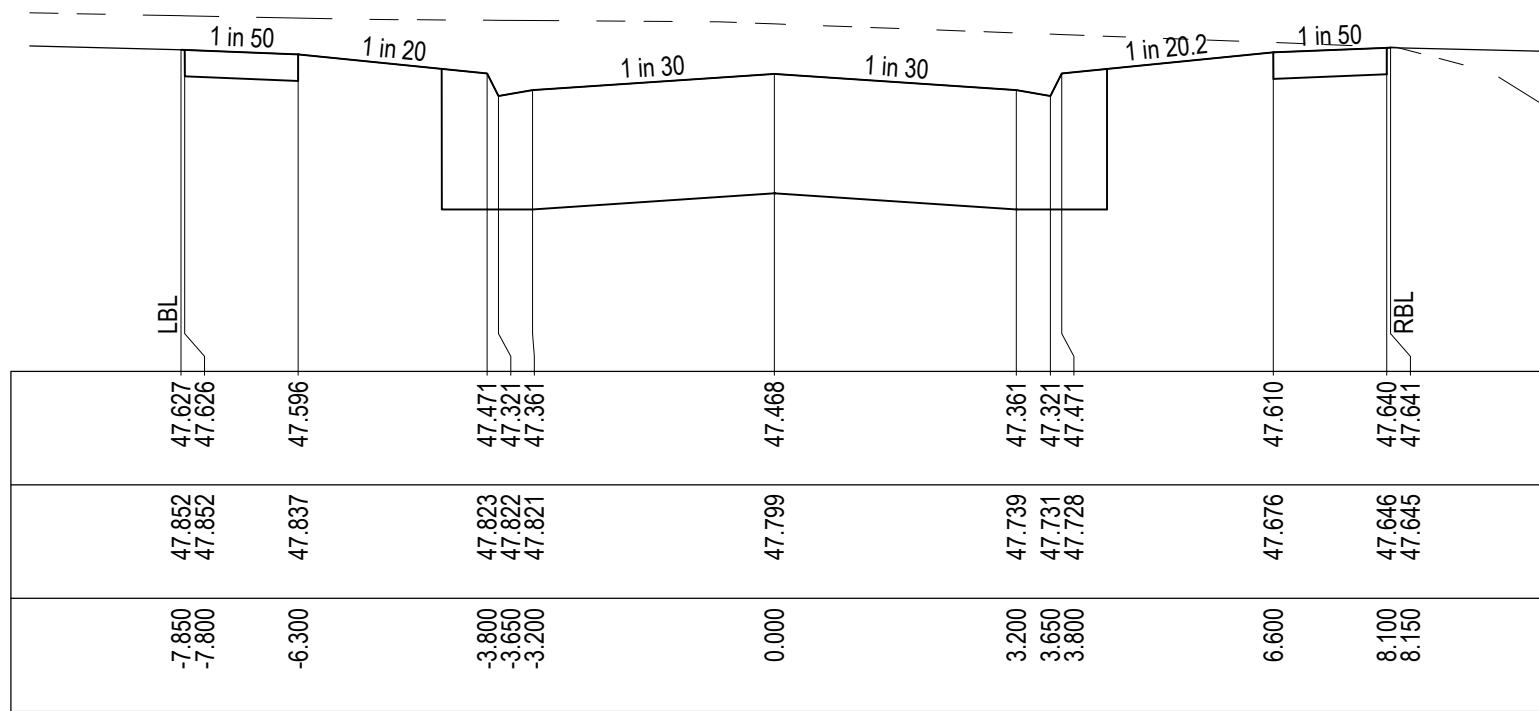


DATUM45.5

DESIGN SURFACE

EXISTING SURFACE

OFFSET

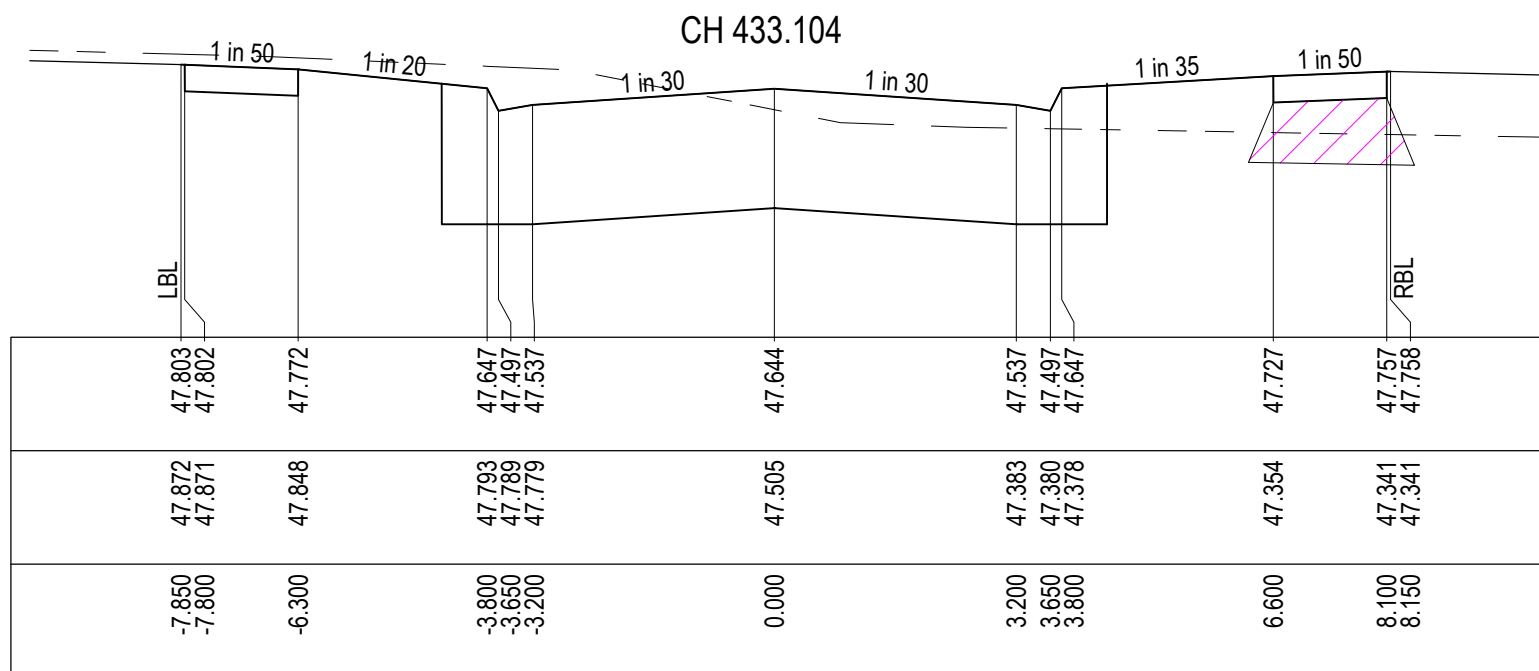


DATUM46.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

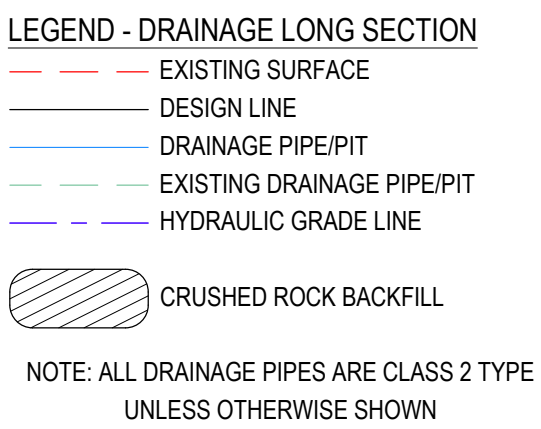


Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER				
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220		ALAMORA - STAGE 33 ROAD CROSS SECTIONS - 4 SKYWAY CIRCUIT	ISSUED FOR CONSTRUCTION SCALE @ A1 : 1:100 (H) 1:50 (V) 	M.PLANT	A.WALE			
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S										
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T										
B	27/08/25	SKYWAY CROSS SECTIONS UPDATED	M.P	A.W	M.T										
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T										

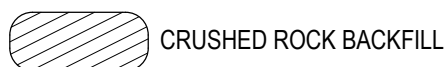
**Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026**



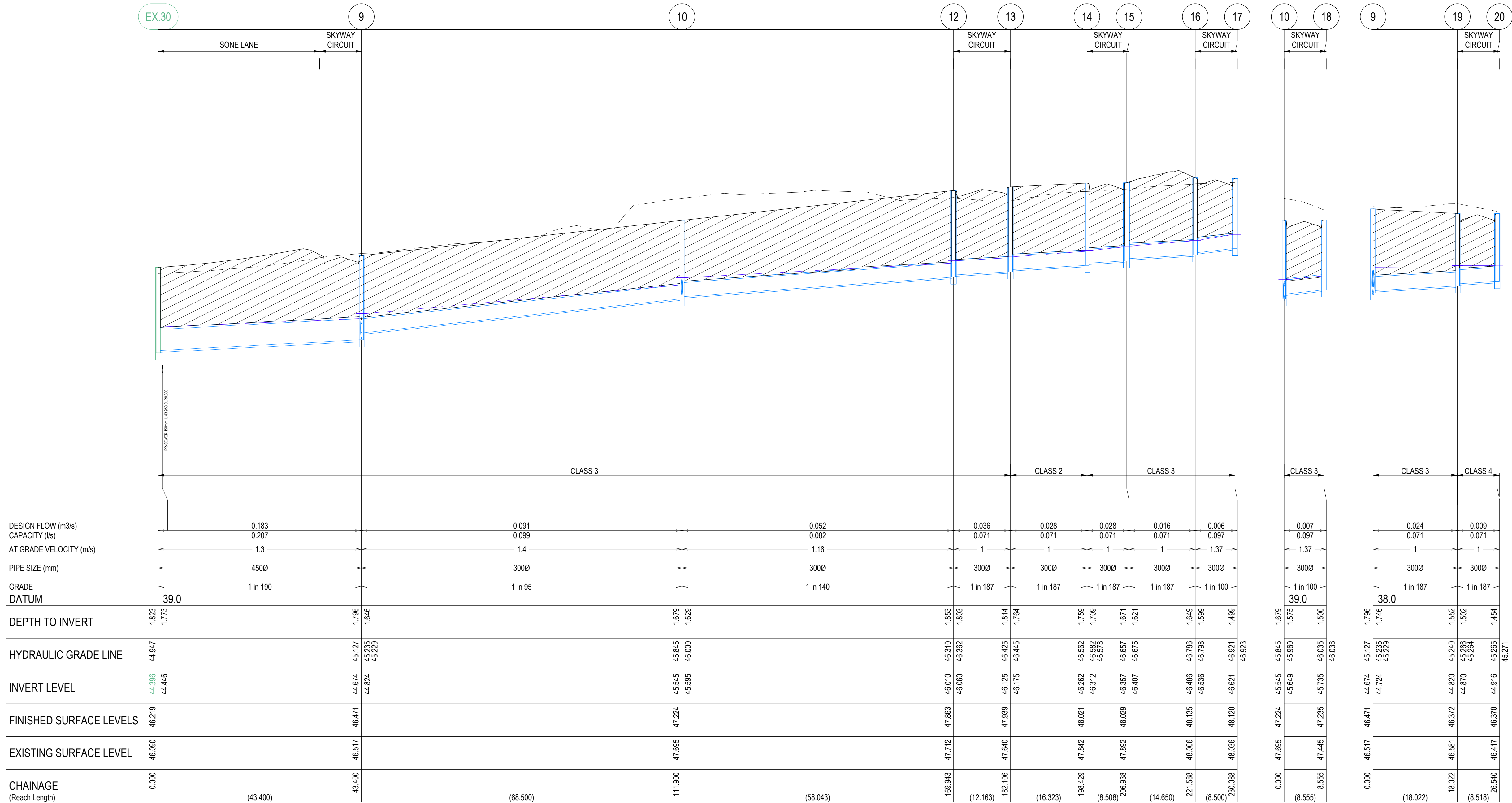
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER	
						  Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220		ALAMORA - STAGE 33 DRAINAGE LONG SECTIONS - 1	 SCALE @ A1 : 1:500 (H) 1:50 (V) 	M.PLANT	A.WALE	
					M.PLANT					PROJECT MANAGER		
					M.PLANT					M.TROUNCE		
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					PROJECT No.	DRAWING No.	REVISION
B	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T					200282.33	R600	0
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T							

LEGEND - DRAINAGE LONG SECTION

- EXISTING SURFACE
DESIGN LINE
DRAINAGE PIPE/PIT
EXISTING DRAINAGE PIPE/PIT
HYDRAULIC GRADE LINE



NOTE: ALL DRAINAGE PIPES ARE CLASS 2 TYPE
UNLESS OTHERWISE SHOWN



Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T
B	27/08/25	PIPE CLASS UPDATED - COUNCIL COMMENTS	M.P	A.W	M.T
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T



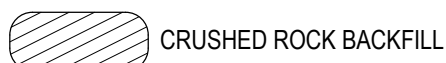
DRAWING TITLE
ALAMORA - STAGE 33
DRAINAGE LONG SECTIONS - 2

STATUS
ISSUED FOR CONSTRUCTION
SCALE @ A1 : 1:500 (H) 1:50 (V)
H 10 5 0 10 20
V 1 0.5 0 1 2

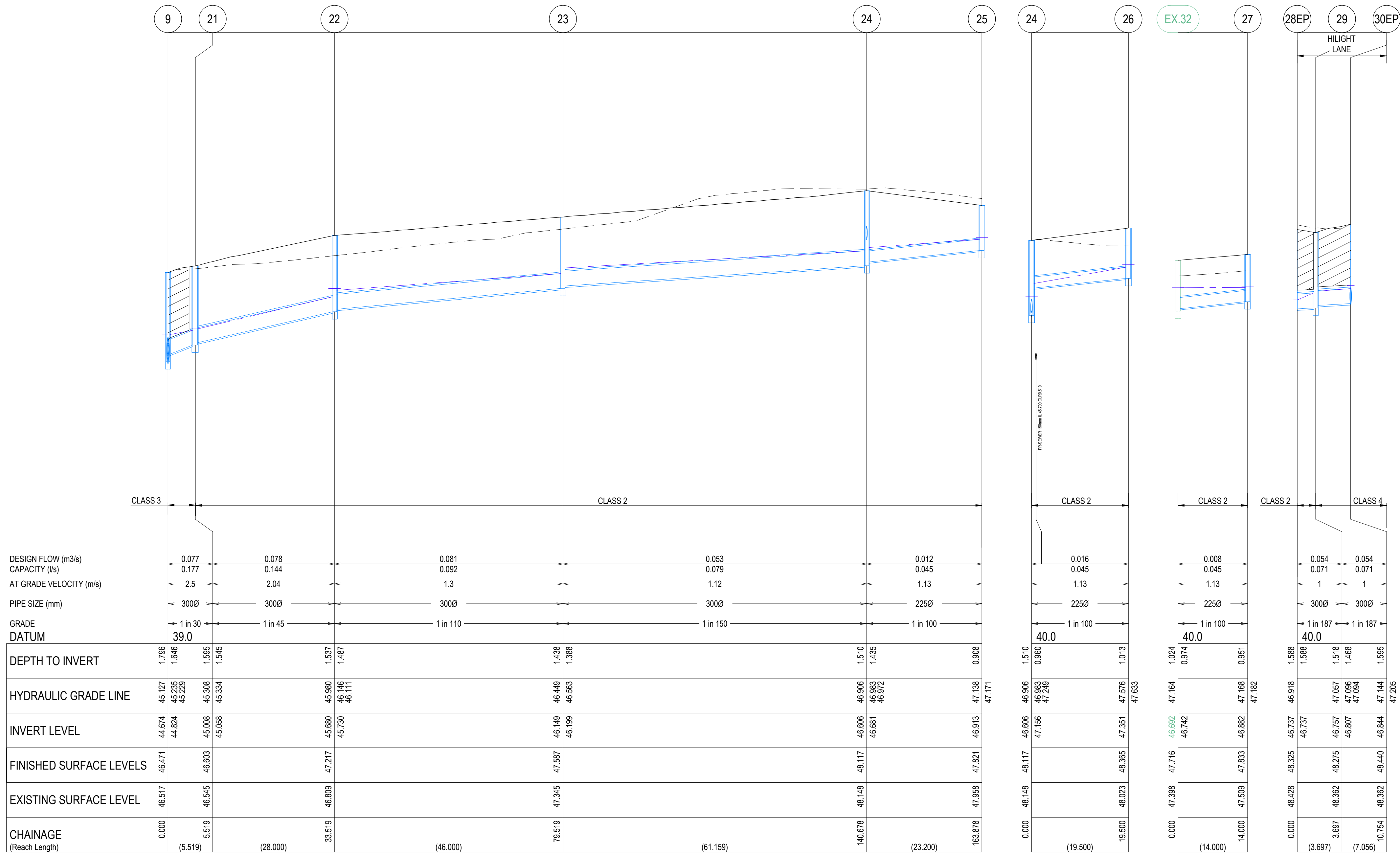
DESIGNED M.PLANT	PROJECT ENGINEER A.WALE
DRAWN M.PLANT	PROJECT MANAGER M.TROUNCE
PROJECT No. 200282.33	DRAWING No. R601
	REVISION 0

LEGEND - DRAINAGE LONG SECTION

- EXISTING SURFACE
- DESIGN LINE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE



NOTE: ALL DRAINAGE PIPES ARE CLASS 2 TYPE
UNLESS OTHERWISE SHOWN



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Wyndham Planning Scheme

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under Condition 41
Permit No WYP10107/17
Date 30/1/2026

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CUSTOMER	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
									ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE
										DRAWN	PROJECT MANAGER
										M.PLANT	M.TROUNCE
										PROJECT No.	DRAWING No.
										200282.33	R602
											REVISION
											0

022/01/26

ISSUED FOR CONSTRUCTION

M.P.

A.W.

E.S.

019/09/25

ISSUED FOR TENDER

M.P.

A.W.

M.T.

027/08/25

PIPE CLASS UPDATED - COUNCIL COMMENTS

M.P.

A.W.

M.T.

031/07/25

ISSUED FOR APPROVAL

M.P.

A.W.

M.T.

villawood

properties

Communities Designed for Living

creo

CIVIL

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

ALAMORA

Tarnait

ALAMORA - STAGE 33

DRAINAGE LONG SECTIONS - 3

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

H 10 5 0 10 20

V 1 0.5 0 1 2

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIA (mm)	INVERT RL (mm)	DIA (mm)	INVERT RL (mm)				
Ex.46	ENDPIPE			300	45.1			47.034	1.934		CONNECT TO EXISTING ENDPIPE
1	JUNCTION PIT	600	900			300	45.704	47.528	1.824	EDCM 605	
33	GRADED SIDE ENTRY PIT	600	900	300	44.652	300	44.463	46.529	2.066	EDCM 601	CONSTRUCT PIT OVER EXISTING DRAIN
Ex.142	ENDPIPE			300	45.2	300	45.2	47.037	1.837		CONNECT TO EXISTING ENDPIPE
2	JUNCTION PIT	600	900	300	45.759	300	45.709	47.484	1.776	EDCM 605	
3	JUNCTION PIT	600	900	300	45.899	300	45.849	47.665	1.816	EDCM 605	
				225	45.924						
4	GRADED SIDE ENTRY PIT	600	900	300	45.995	300	45.945	47.722	1.777	EDCM 601	
5	GRADED SIDE ENTRY PIT	600	900	300	46.09	300	46.04	47.682	1.642	EDCM 601	
6	GRADED SIDE ENTRY PIT	600	900	300	46.573	300	46.523	48.169	1.646	EDCM 601	
7	GRADED SIDE ENTRY PIT	600	900			300	46.658	48.186	1.528	EDCM 601	
8	GRADED PIT	600	900			225	46.057	47.705	1.648	WCC STD DWG SD5-1	SUPPLY CLASS B COVER GRATING
Ex.30	GRADED PIT	600	900	450	44.446			46.219	1.823		CONNECT TO EXISTING DRAINAGE
9	JUNCTION PIT	600	900	300	44.824	450	44.674	46.471	1.796	EDCM 605	
				300	44.724						
				300	44.824						
10	GRADED SIDE ENTRY PIT	600	900	300	45.595	300	45.545	47.224	1.679	EDCM 601	
				300	45.649						
12	GRADED SIDE ENTRY PIT	600	900	300	46.06	300	46.01	47.863	1.853	EDCM 601	
13	GRADED SIDE ENTRY PIT	600	900	300	46.175	300	46.125	47.939	1.814	EDCM 601	
14	JUNCTION PIT	600	900	300	46.312	300	46.262	48.021	1.759	EDCM 605	
15	DOUBLE GRADED SIDE ENTRY PIT	600	900	300	46.407	300	46.357	48.029	1.671	EDCM 602	
16	GRADED SIDE ENTRY PIT	600	900	300	46.536	300	46.486	48.135	1.649	EDCM 601	
17	GRADED SIDE ENTRY PIT	600	900			300	46.621	48.12	1.499	EDCM 601	
18	GRADED SIDE ENTRY PIT	600	900			300	45.735	47.235	1.5	EDCM 601	
19	DOUBLE GRADED SIDE ENTRY PIT	600	900	300	44.87	300	44.82	46.372	1.552	EDCM 602	
20	GRADED SIDE ENTRY PIT	600	900			300	44.916	46.37	1.454	EDCM 601	
21	JUNCTION PIT	600	900	300	45.058	300	45.008	46.603	1.595	EDCM 605	
22	JUNCTION PIT	600	900	300	45.73	300	45.68	47.217	1.537	EDCM 605	
23	JUNCTION PIT	600	900	300	46.199	300	46.149	47.587	1.438	EDCM 605	
24	JUNCTION PIT	600	900	225	46.681	300	46.606	48.117	1.51	EDCM 605	
				225	47.156						
25	JUNCTION PIT	600	900			225	46.913	47.821	0.908	EDCM 605	
26	JUNCTION PIT	600	900			225	47.351	48.365	1.013	EDCM 605	
Ex.32	JUNCTION PIT	600	900	225	46.742			47.716	1.024		CONNECT TO EXISTING DRAINAGE
27	JUNCTION PIT	600	900			225	46.882	47.833	0.951	EDCM 605	
28EP	ENDPIPE			300	46.737			48.325	1.588		ENDPIPE TO BE SEALED AND CAPPED FOR FUTURE CONNECTION
29	JUNCTION PIT	600	900	300	46.807	300	46.757	48.262	1.505	EDCM 605	
30EP	ENDPIPE			300	46.844	300	46.844	48.44	1.595		ENDPIPE TO BE SEALED AND CAPPED FOR FUTURE CONNECTION

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

LEGEND - DRAINAGE LONG SECTION

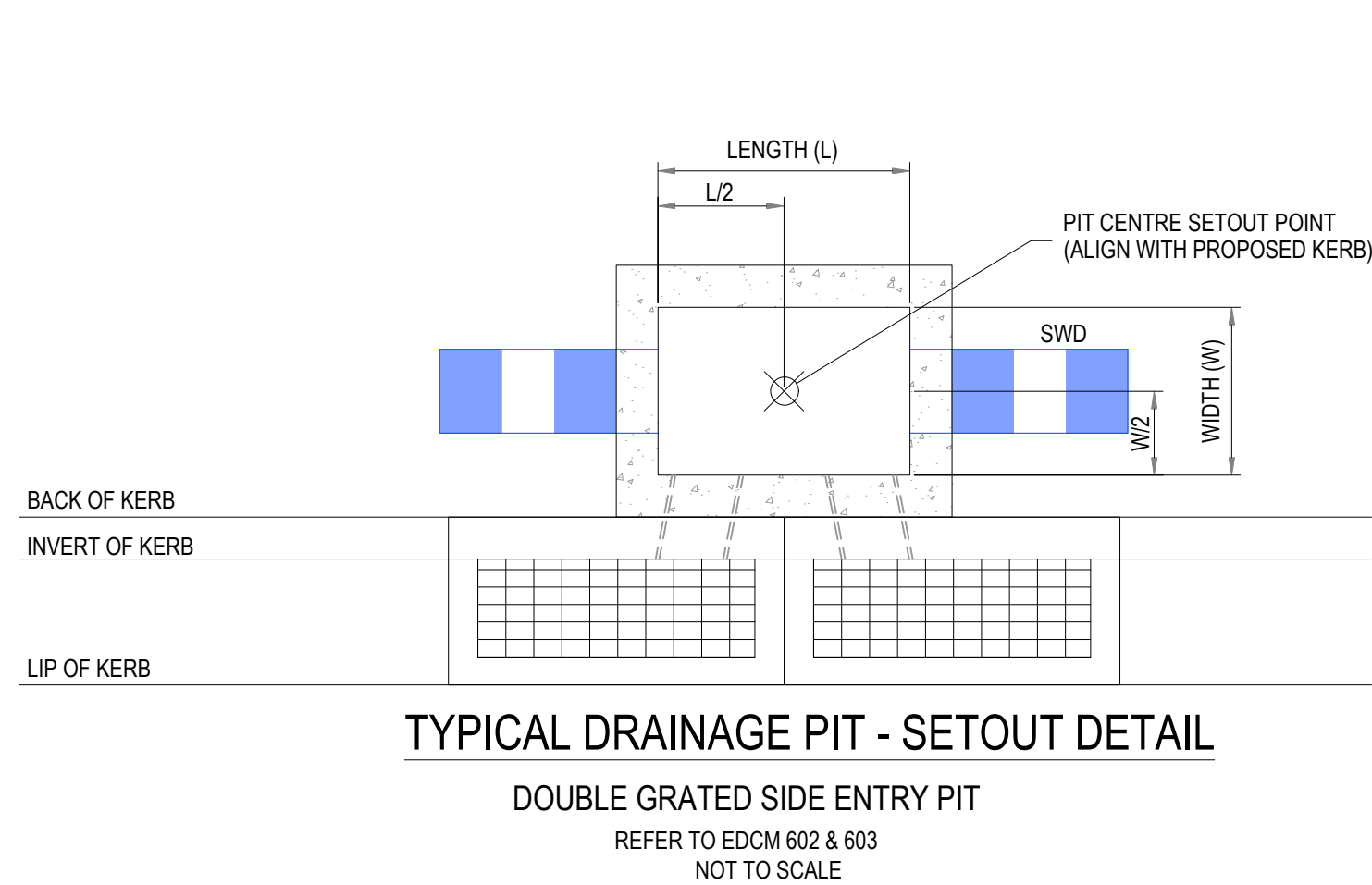
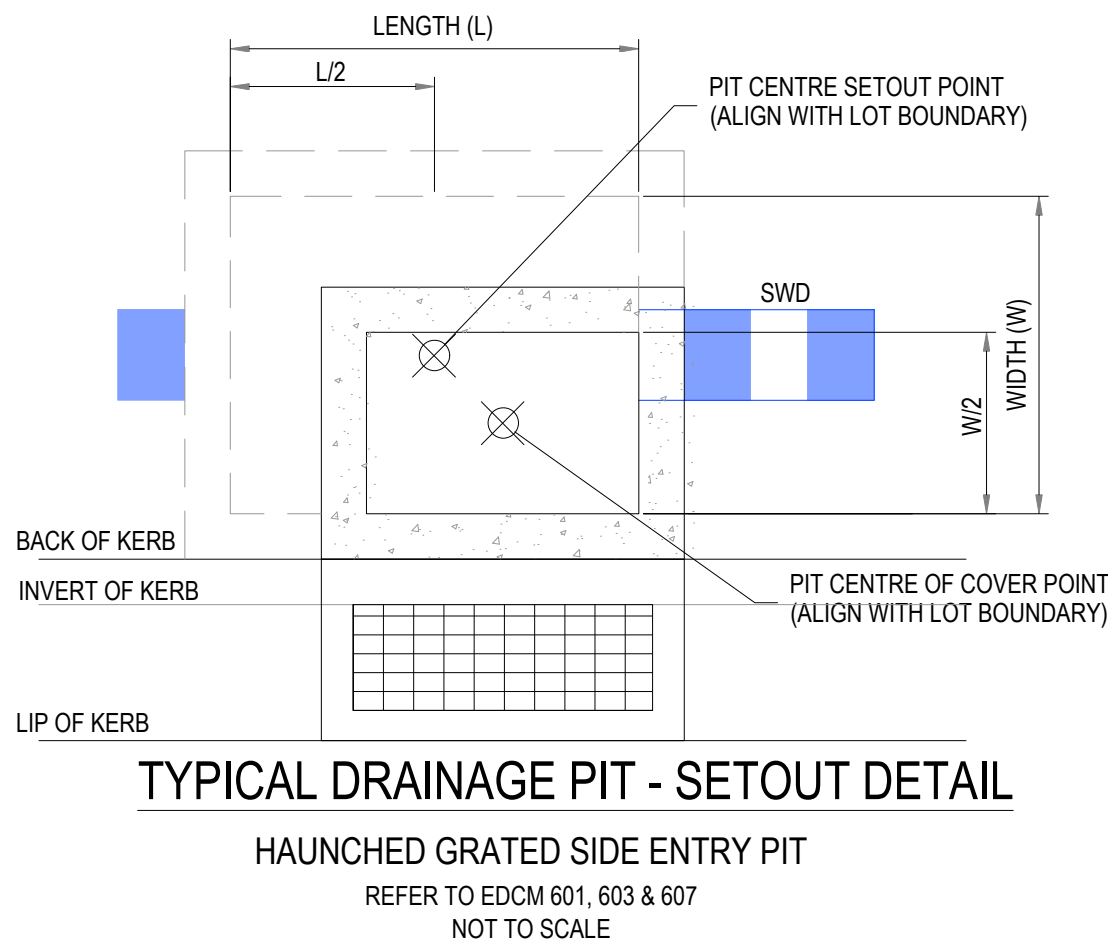
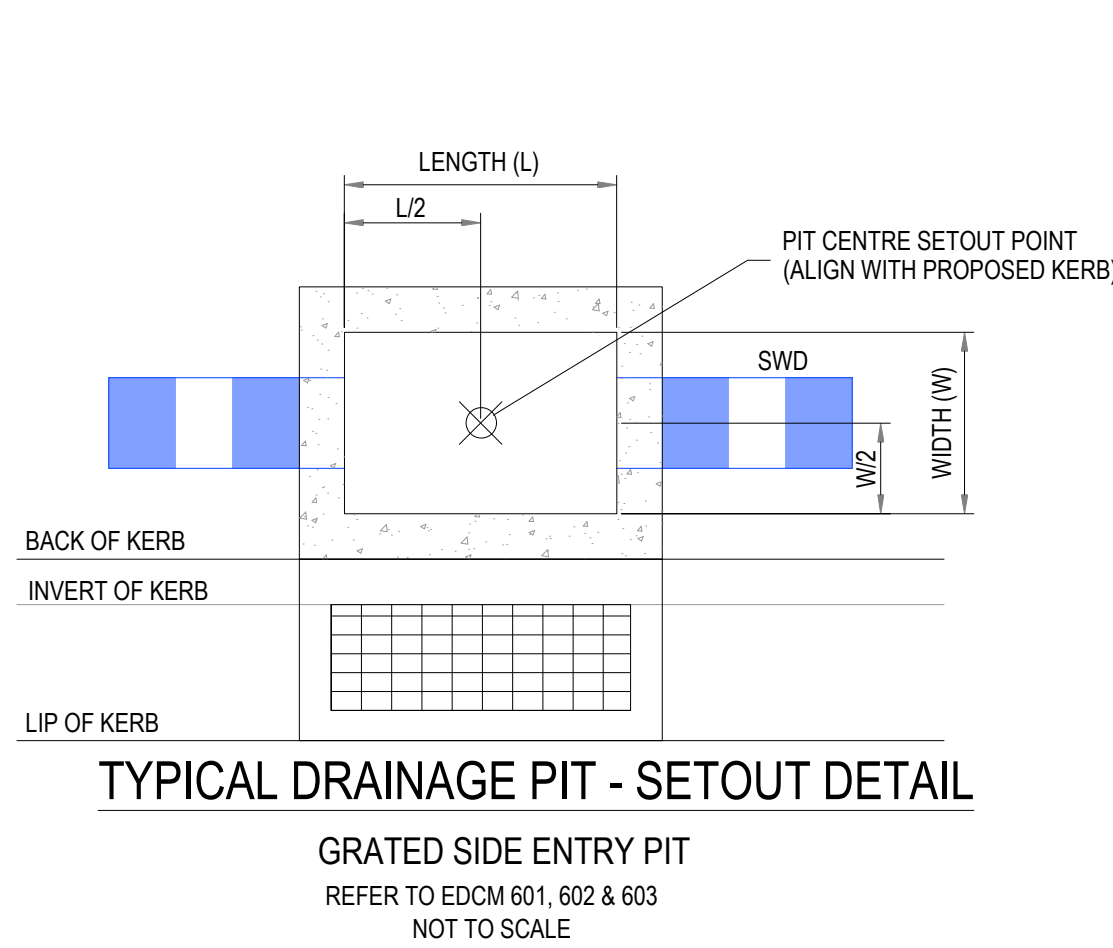
- EXISTING SURFACE
- DESIGN LINE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE



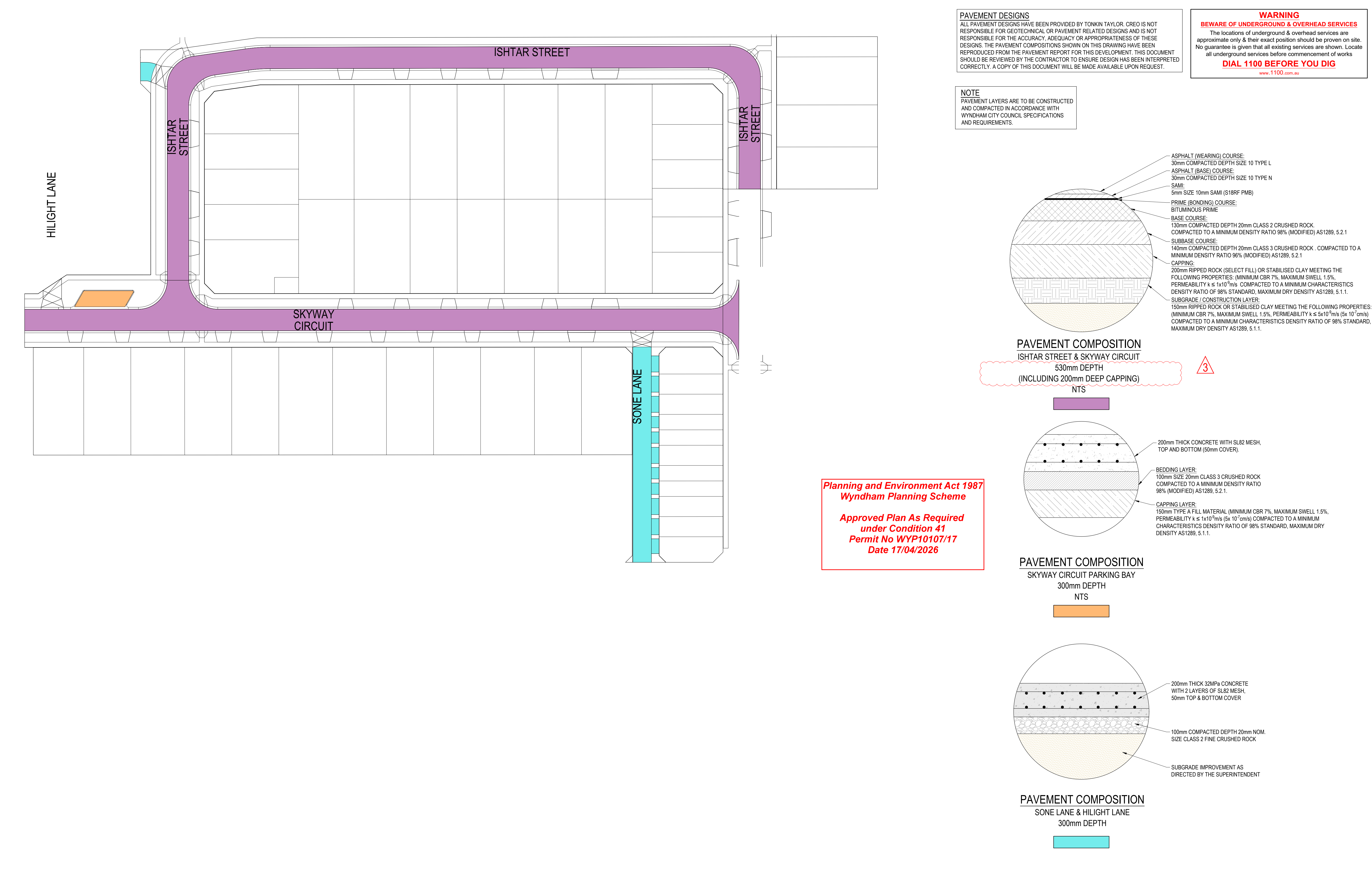
NOTE: ALL DRAINAGE PIPES ARE CLASS 2 TYPE UNLESS OTHERWISE SHOWN

Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026



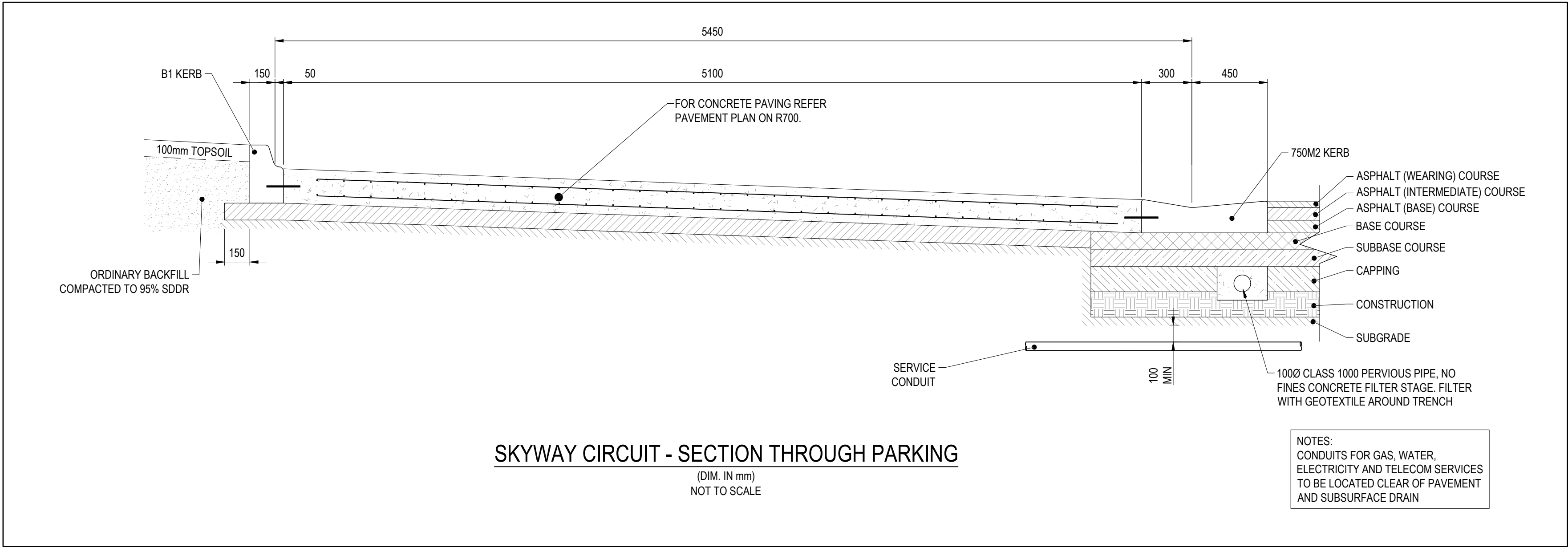
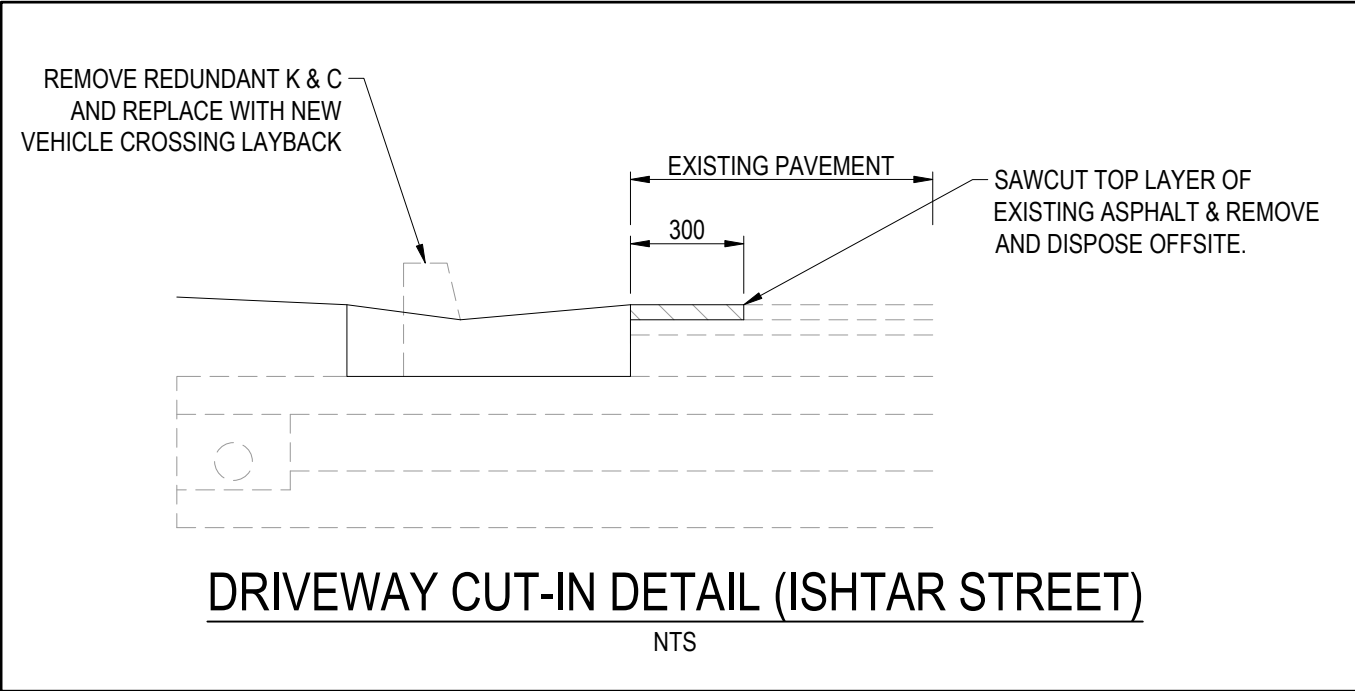
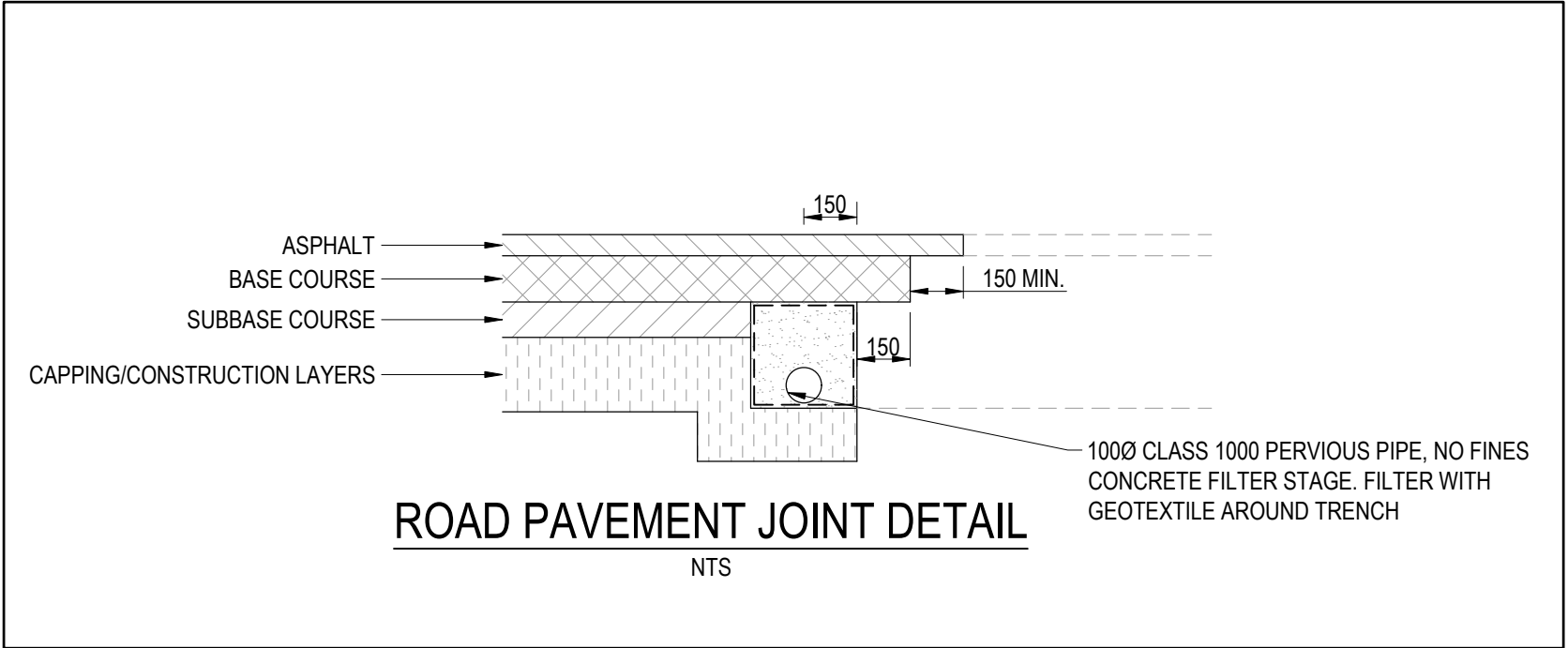
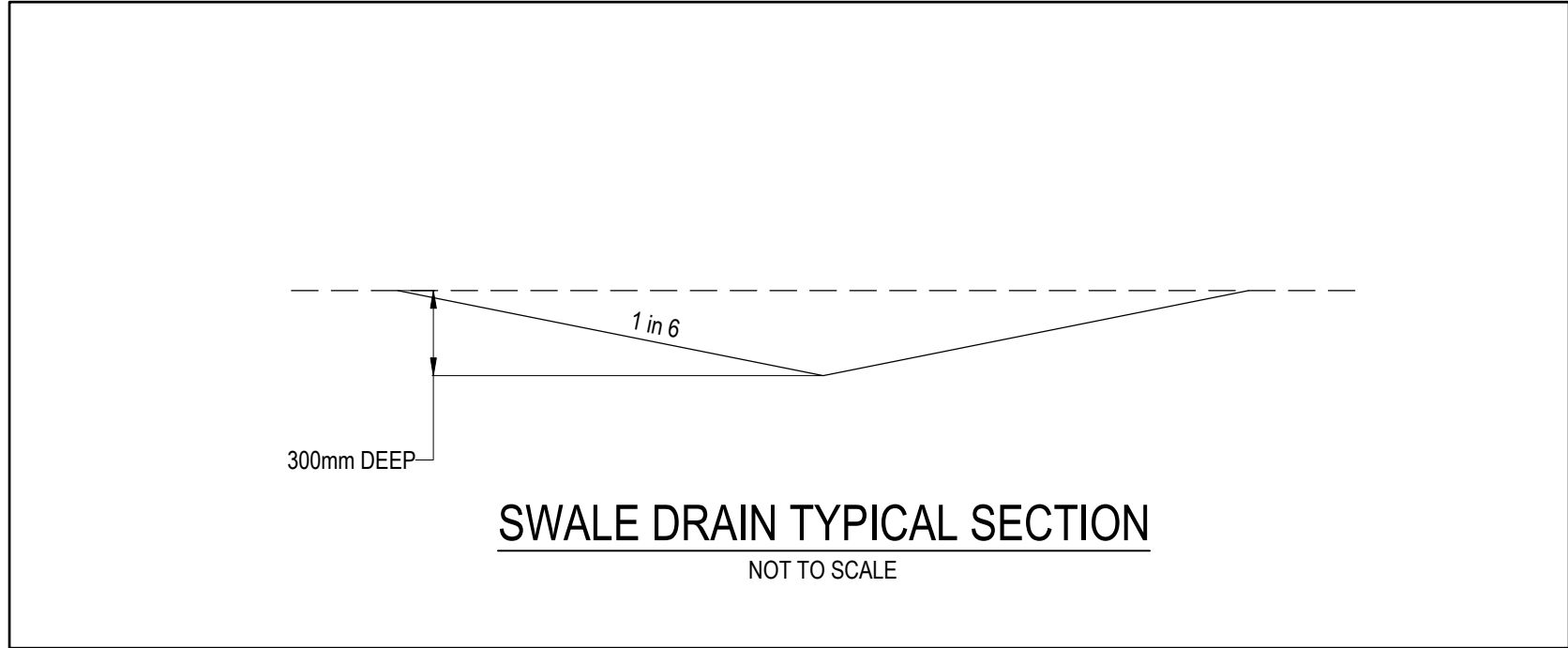
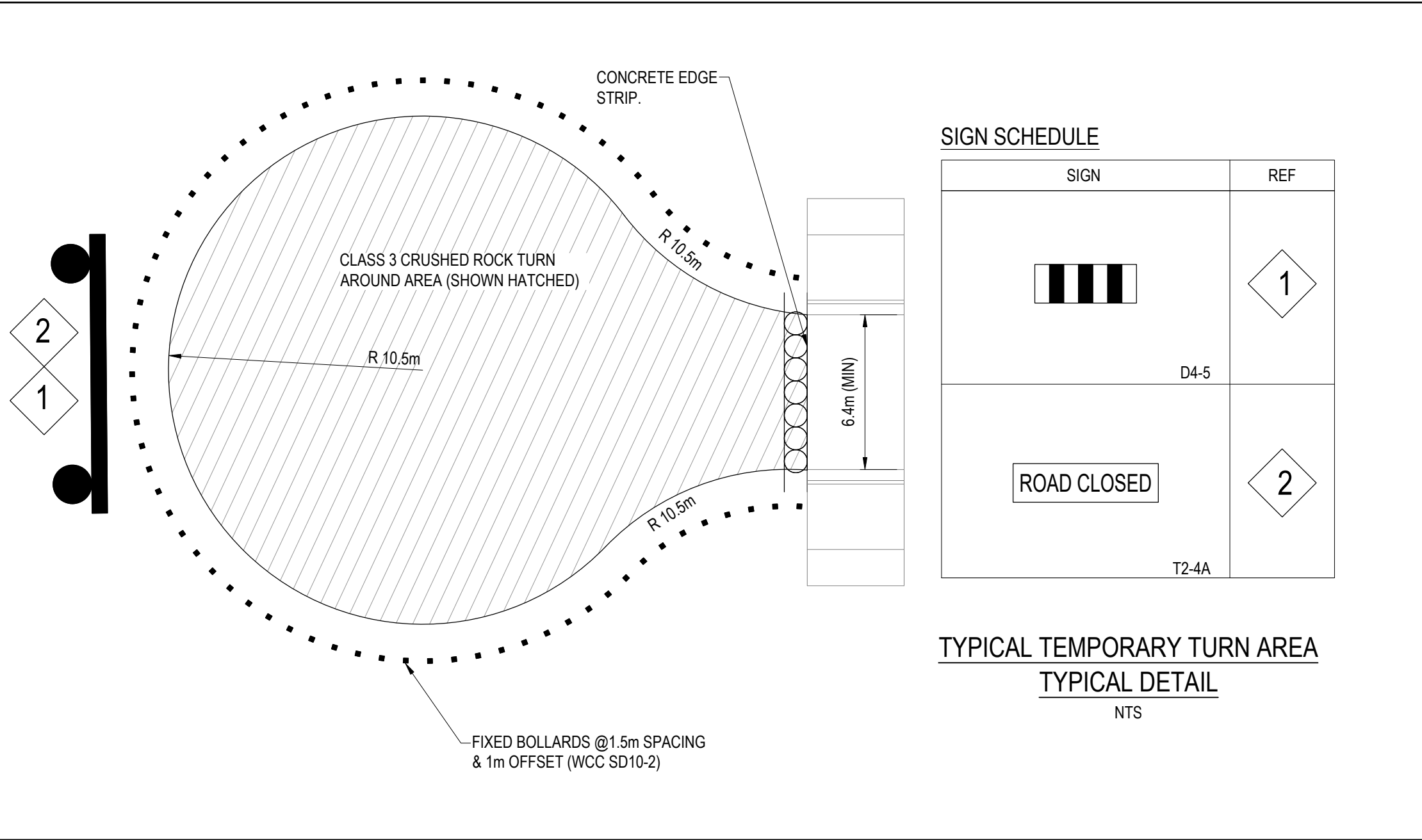
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220				A.WALE
					M.PLANT					M.TROUNCE	
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S						
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T						
B	27/08/25	DRAINAGE PIT MOVED TO FUTURE STAGE	M.P	A.W	M.T						
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T						



Planning and Environment Act 1987
Wyndham Planning Scheme

Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 17/04/2026

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
						villawood properties Communities Designed for Living creo CIVIL Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220 ALAMORA Tarnait	ALAMORA - STAGE 33 PAVEMENT PLAN	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE	
3	16/04/26	COUNCIL COMMENTS - PAVEMENT DEPTH NOTATION	M.P	A.W	E.S				M.PLANT	A.WALE	
2	02/04/26	COUNCIL COMMENTS - UPDATE PAVEMENT AS PER STAGE 10	A.W	A.W	E.S				M.PLANT	M.TROUNCE	
1	11/02/26	UPDATED PAVEMENT / GEOTECH	M.P	A.W	E.S				M.PLANT	M.TROUNCE	
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S				M.PLANT	M.TROUNCE	
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T						
B	27/08/25	STAGE BOUNDARY AMENDED	M.P	A.W	M.T						
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T						



**Approved Plan As Required
under Condition 41
Permit No WYP10107/17
Date 30/1/2026**

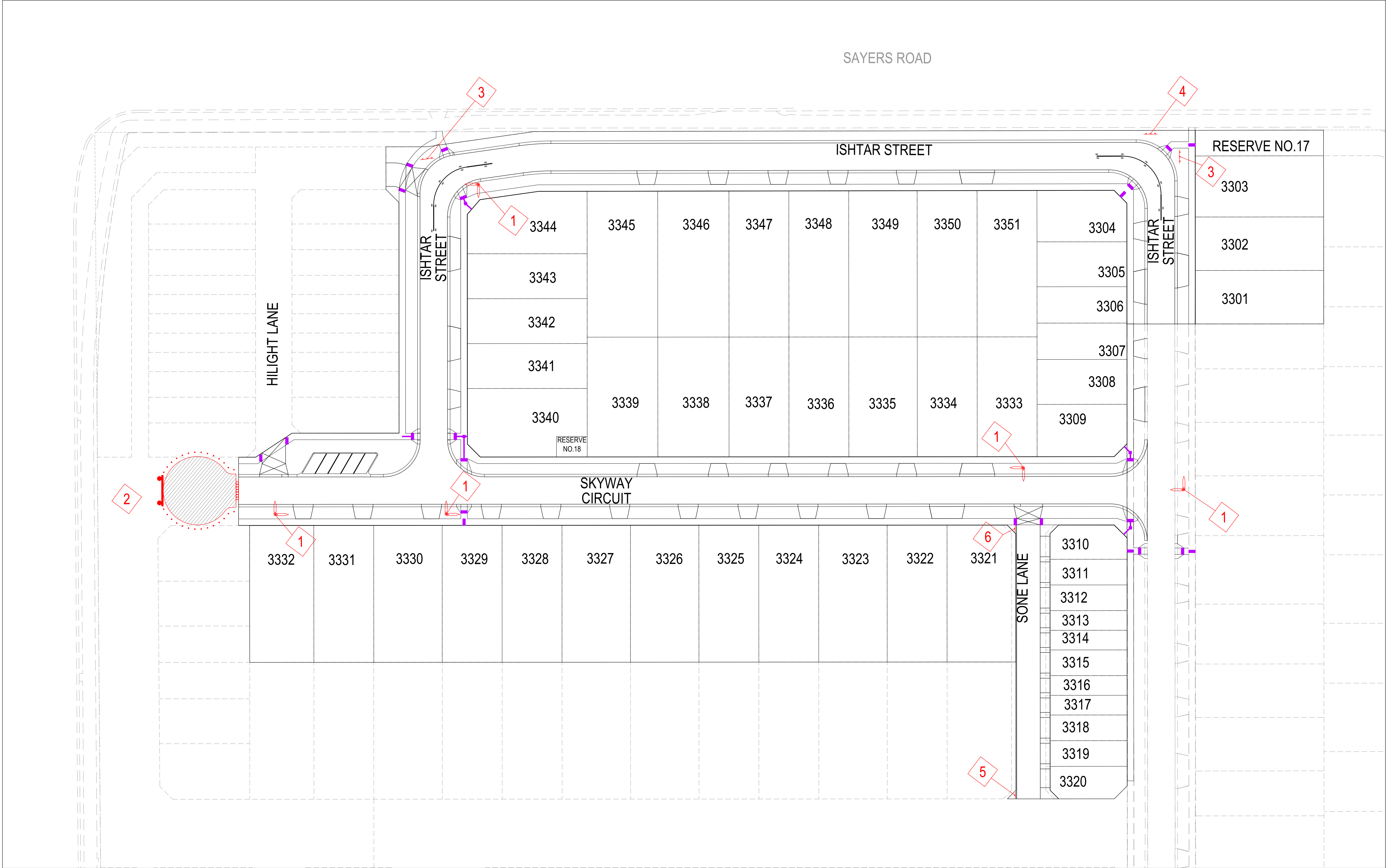
NOTE
PAVEMENT LAYERS ARE TO BE CONSTRUCTED
AND COMPACTED IN ACCORDANCE WITH
WYNDHAM CITY COUNCIL SPECIFICATIONS
AND REQUIREMENTS.

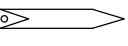
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

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

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER		
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 33 TYPICAL DETAILS	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE		
					M.PLANT					M.TROUNCE			
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S								
B	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T								
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								
										SCALE @ A1 :			
										AS SHOWN	PROJECT No. 200282.33	DRAWING No. R701	REVISION 0



SIGN SCHEDULE		
SIGN	REF	QUANTITY
 STREET SIGN	1	REFER TABLE
ROAD CLOSED  T2-4A D4-5	2	1No.
 D4-1-1B (R)	3	2No.
 D4-1-1B (L)	4	1No.
 R5-35R	5	1No.
 R5-35R	6	1No.

STREET SIGN SCHEDULE	
SKYWAY CIRCUIT	4No.
ISHTAR STREET	3No.
HILIGHT LANE	2No.
SONE LANE	1No.

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Date 30/1/2026

- 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.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220		ALAMORA - STAGE 33 SIGNAGE & LINEMARKING	ISSUED FOR CONSTRUCTION	A.WALE
									SCALE @ A1 : 1:500	M.PLANT	PROJECT MANAGER
										M.PLANT	M.TROUNCE
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					PROJECT No.	DRAWING No.
C	19/09/25	ISSUED FOR TENDER	M.P	A.W	M.T					200282.33	R800
B	27/08/25	ADDITIONAL SIGNAGE ADDED - COUNCIL COMMENTS	M.P	A.W	M.T						REVISION
A	31/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T						0

Project:

Job No.:

Council:

Region:

Design Standard:

ALAMORA - Stage 32 - 34

200282.34

WYNDHAM

SOUTH WEST / WEST REGION

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:

27/11/25

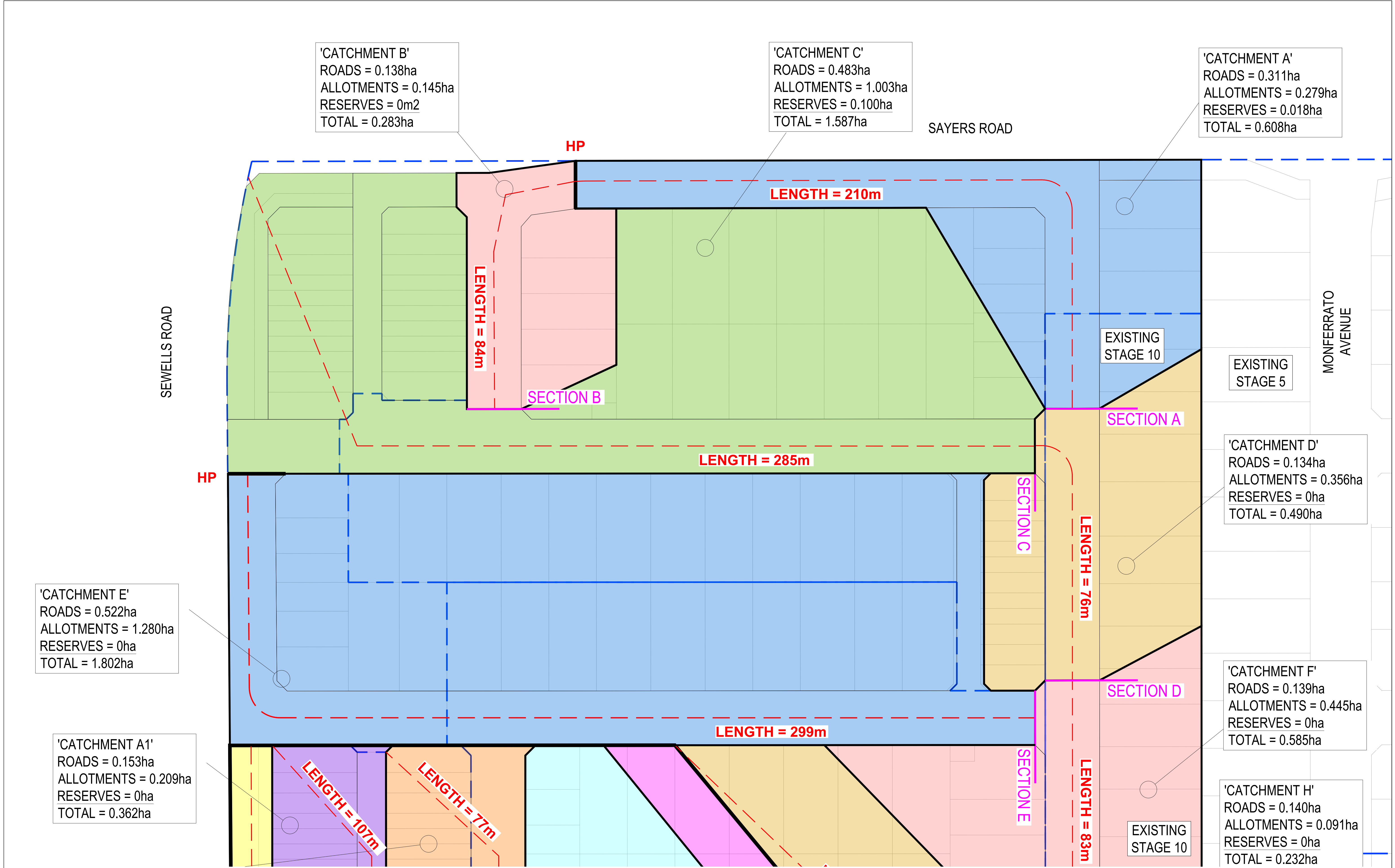
Revision:

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	ha	ha	ha	Sub Area
A	0.279	0.311	0.018	0.608
B	0.145	0.138		0.283
C	1.003	0.483	0.100	1.587
D	0.356	0.134		0.490
E	1.280	0.522		1.802
F	0.445	0.139		0.585
G	0.311	0.096		0.406
H	0.091	0.140		0.232
TOTAL	3.911	1.963	0.118	5.992
A1	0.209	0.153		0.362
B1	0.136	0.106		0.241
C1	0.576	0.169		0.745
D1	0.250	0.137		0.387
E1	0.488	0.373	0.078	0.939
TOTAL	1.659	0.938	0.078	2.675

			CATCHMENT		ON		TAL		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	Velocity	Critical Catchment	Calculated Tc	Adopted tc	A _p	I	Q	A _p	I	Q		EXCESS	
NODE	DESCRIPTION	CONTRIBUTING CATCHMENTS	ha	ha	ha	ha	m	m/s		min	min	ha	mm/hr	m ³ /s	ha	mm/hr	m ³ /s		Q100 - QPIPE	
A	SECTION A	A	0.28	0.31	0.02	0.61	210	0.98	A	8.6	8.6	0.38	66.4	0.07	0.48	138.9	0.19	5 YEAR FLOW	0.116	
B	SECTION B	B	0.14	0.14		0.28	81	0.57	B	7.4	7.4	0.18	70.9	0.04	0.23	147.8	0.09	5 YEAR FLOW	0.059	
C	SECTION C	B C	1.15	0.62	0.10	1.87	285	0.78	C	11.1	11.1	1.21	58.8	0.20	1.52	123.5	0.52	5 YEAR FLOW	0.326	
D	SECTION D	A B C D	1.78	1.07	0.12	2.97	76	0.88	C	12.5	12.5	1.92	55.3	0.29	2.42	116.3	0.78	5 YEAR FLOW	0.489	
E	SECTION E	E	1.28	0.52		1.80	299	0.93	E	10.4	10.4	1.21	60.8	0.20	1.53	127.6	0.54	5 YEAR FLOW	0.338	
F	SECTION F	A B C D E F	3.51	1.73	0.12	5.35	83	1.04	D	13.9	13.9	3.53	52.4	0.51	4.46	110.4	1.37	5 YEAR FLOW	0.853	
G	SECTION G	G	0.31	0.10		0.41	135	0.56	G	9.0	9.0	0.28	64.9	0.05	0.35	135.8	0.13	5 YEAR FLOW	0.082	
H	SECTION H	A B C D E F G H	3.91	1.96	0.12	5.99	72	0.94	F	15.1	15.1	3.95	50.0	0.55	4.99	105.3	1.46	5 YEAR FLOW	0.911	
A1	SECTION A1	A1	0.21	0.15		0.36	107	0.56	A1	3.2	3.2	0.24	94.9	0.06	0.30	192.4	0.16	5 YEAR FLOW	0.097	
B1	SECTION B1	B1	0.14	0.11		0.24	77	0.88	B1	1.5	1.5	0.16	115.8	0.05	0.20	234.2	0.13	5 YEAR FLOW	0.079	
C1	SECTION C1	A1 B1 C1	0.92	0.43		1.35	94	0.77	A1	5.2	5.2	0.90	81.2	0.20	1.14	167.3	0.53	5 YEAR FLOW	0.326	
D1	SECTION D1	A1 B1 C1 D1	1.17	0.56		1.74	77	0.94	C1	6.6	6.6	1.16	74.3	0.24	1.46	154.3	0.63	5 YEAR FLOW	0.388	
E1	SECTION E1	E1	0.49	0.37	0.08	0.94	301	0.64	E1	7.8	7.8	0.59	69.1	0.11	0.74	144.1	0.30	5 YEAR FLOW	0.184	



FOR CONTINUATION REFER C101																				
REVISION			DATE	ISSUE DESCRIPTION			DRAWN	CHECKED	APPROVED	CLIENT	PROJECT		DRAWING TITLE		STATUS		DESIGNED	PROJECT ENGINEER		
										villawood properties	creo CIVIL		ALAMORA Tarnet		ALAMORA - STAGE 32 - 34 Q100 CATCHMENT PLAN - 1		ISSUED FOR CONSTRUCTION		M.PLANT	A.WALE
										Communities Designed for Living	Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220				SCALE @ A1: 1:500		M.PLANT	PROJECT MANAGER		
0			27/11/25	ISSUED FOR CONSTRUCTION			M.P	A.W	E.S									E.SFYRIDIS		
C			19/09/25	ISSUED FOR APPROVAL			M.P	A.W	E.S											
B			23/07/25	ISSUED FOR APPROVAL			M.P	A.W	M.T											
A			29/05/25	ISSUED FOR APPROVAL			M.P	A.W	M.T								PROJECT No. 200282.32	DRAWING No. C100	REVISION 0	

FOR CONTINUATION REFER C100

'CATCHMENT A1'
ROADS = 0.153ha
ALLOTMENTS = 0.209ha
RESERVES = 0ha
TOTAL = 0.362ha

'CATCHMENT B1'
ROADS = 0.106ha
ALLOTMENTS = 0.136ha
RESERVES = 0ha
TOTAL = 0.241ha

'CATCHMENT C1'
ROADS = 0.169ha
ALLOTMENTS = 0.576ha
RESERVES = 0ha
TOTAL = 0.745ha

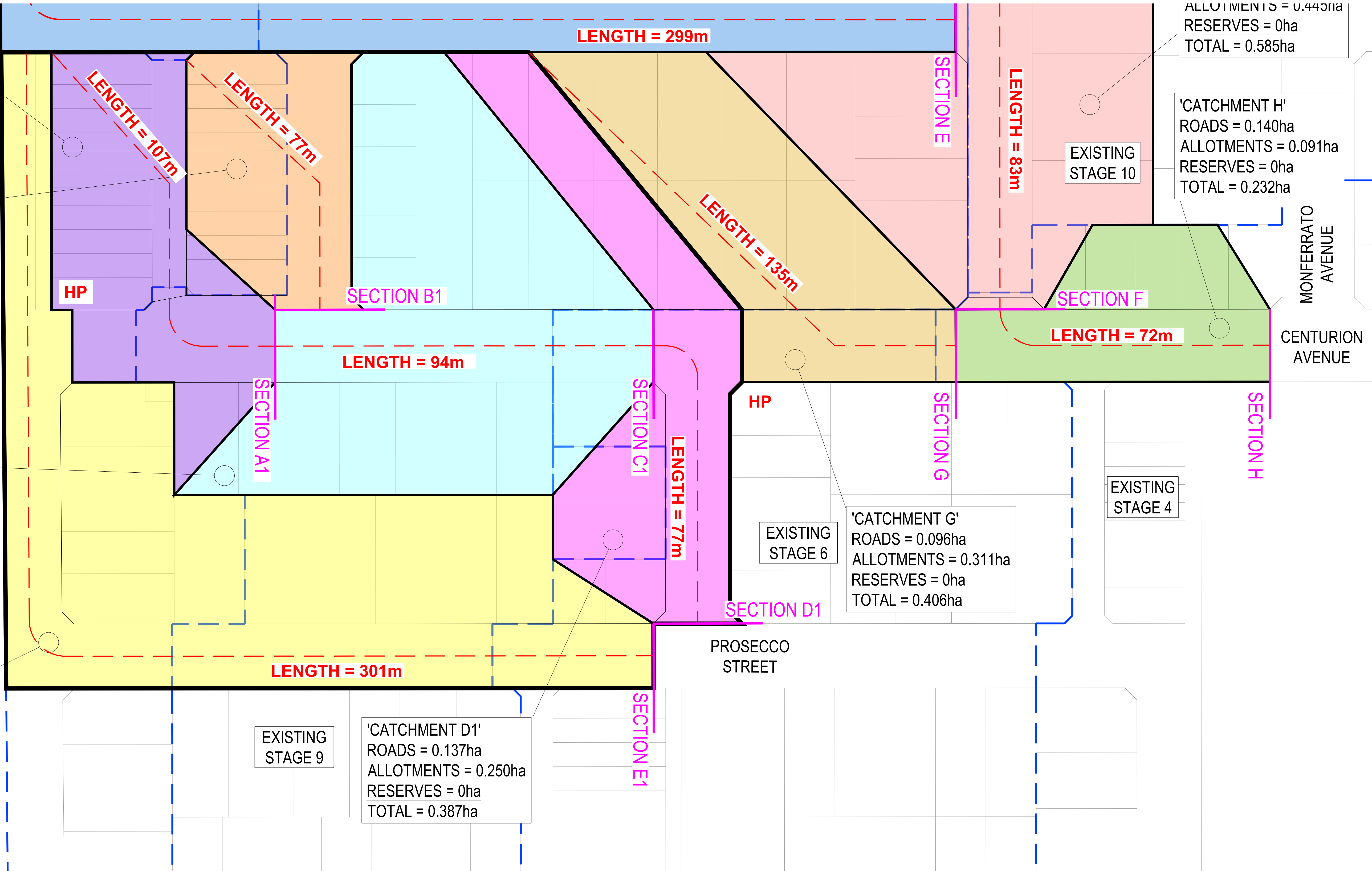
'CATCHMENT E1'
ROADS = 0.373ha
ALLOTMENTS = 0.488ha
RESERVES = 0.078ha
TOTAL = 0.939ha

ALLOTMENTS = 0.443ha
RESERVES = 0ha
TOTAL = 0.585ha

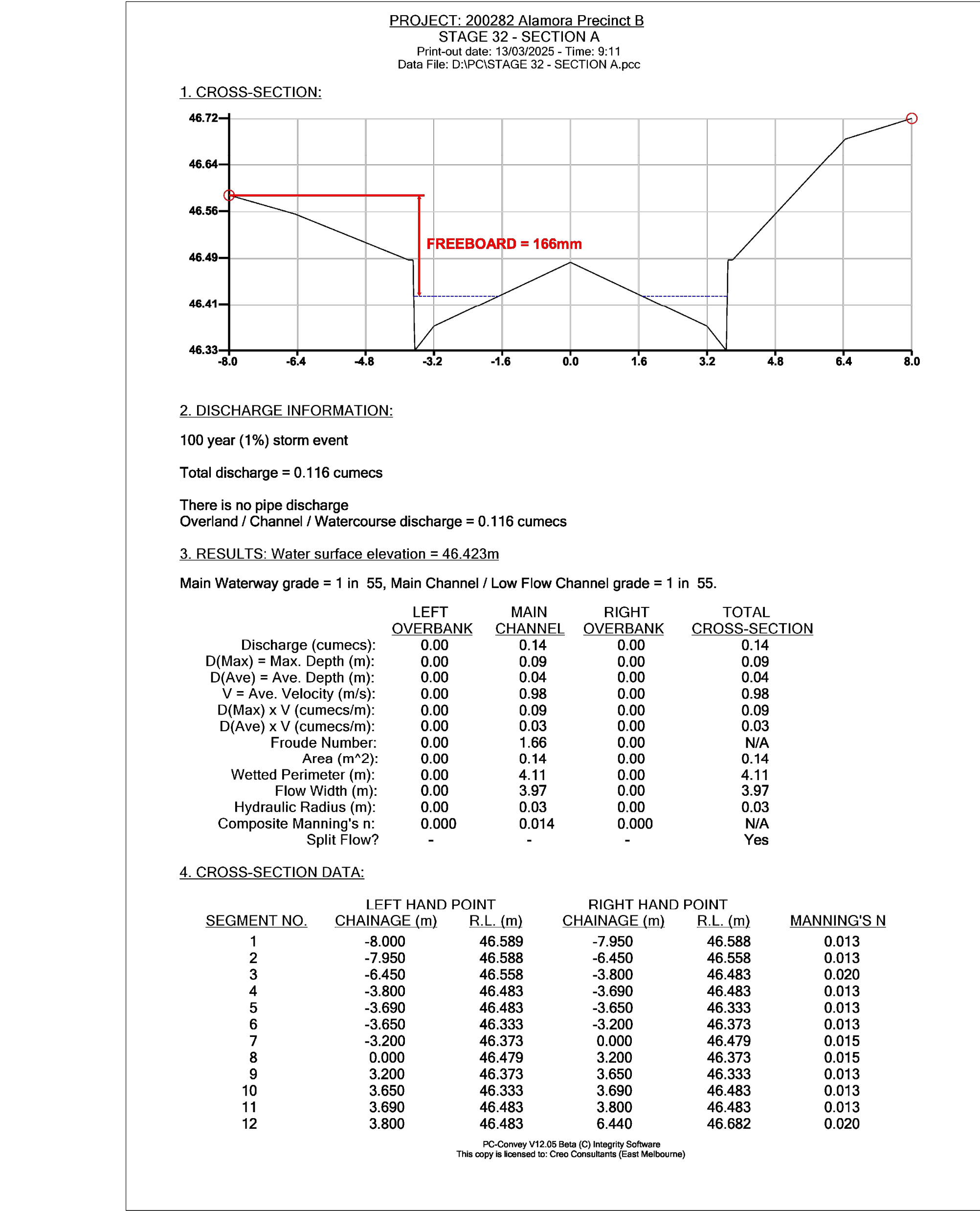
'CATCHMENT H'
ROADS = 0.140ha
ALLOTMENTS = 0.091ha
RESERVES = 0ha
TOTAL = 0.232ha

'CATCHMENT G'
ROADS = 0.096ha
ALLOTMENTS = 0.311ha
RESERVES = 0ha
TOTAL = 0.406ha

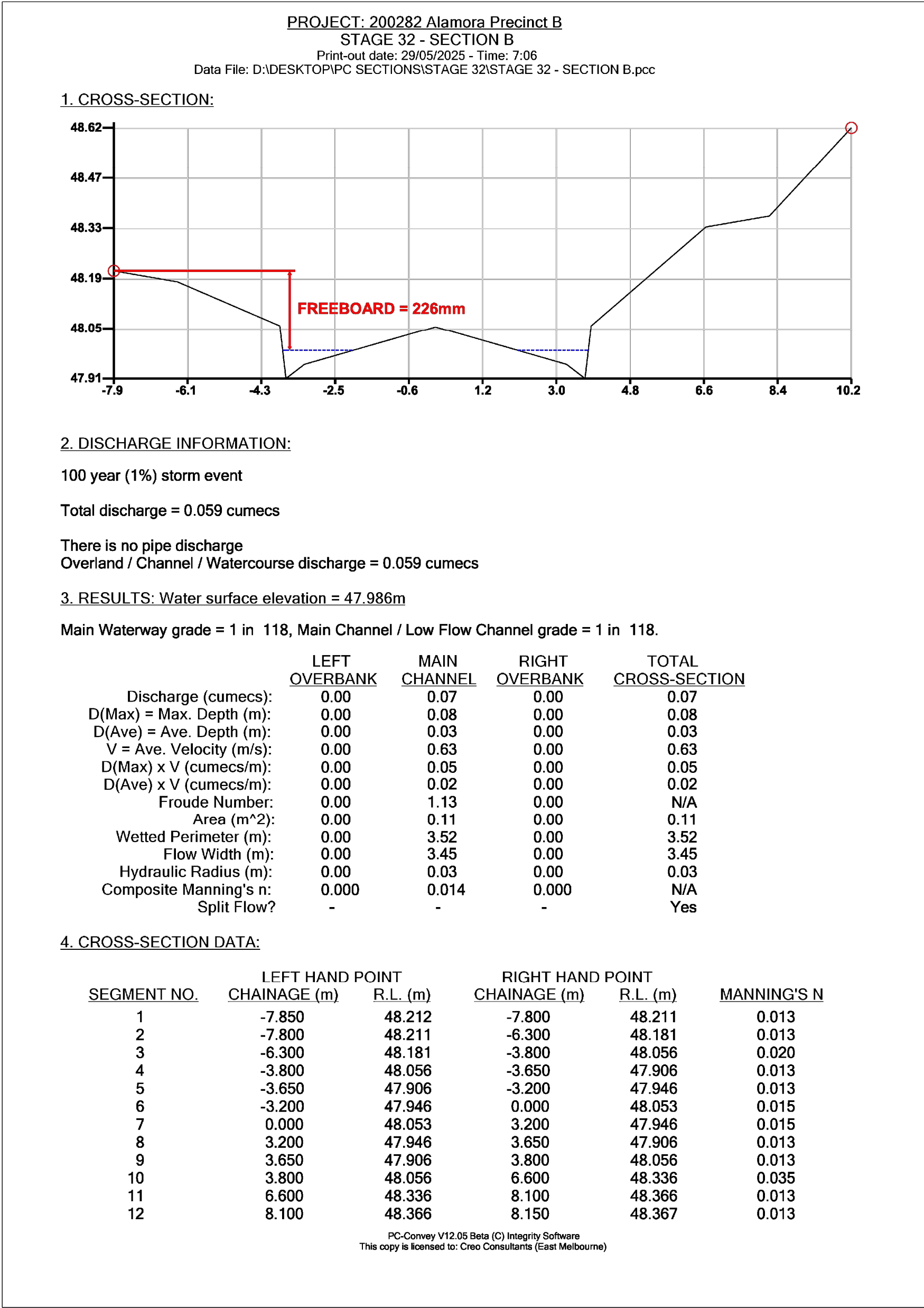
'CATCHMENT D1'
ROADS = 0.137ha
ALLOTMENTS = 0.250ha
RESERVES = 0ha
TOTAL = 0.387ha



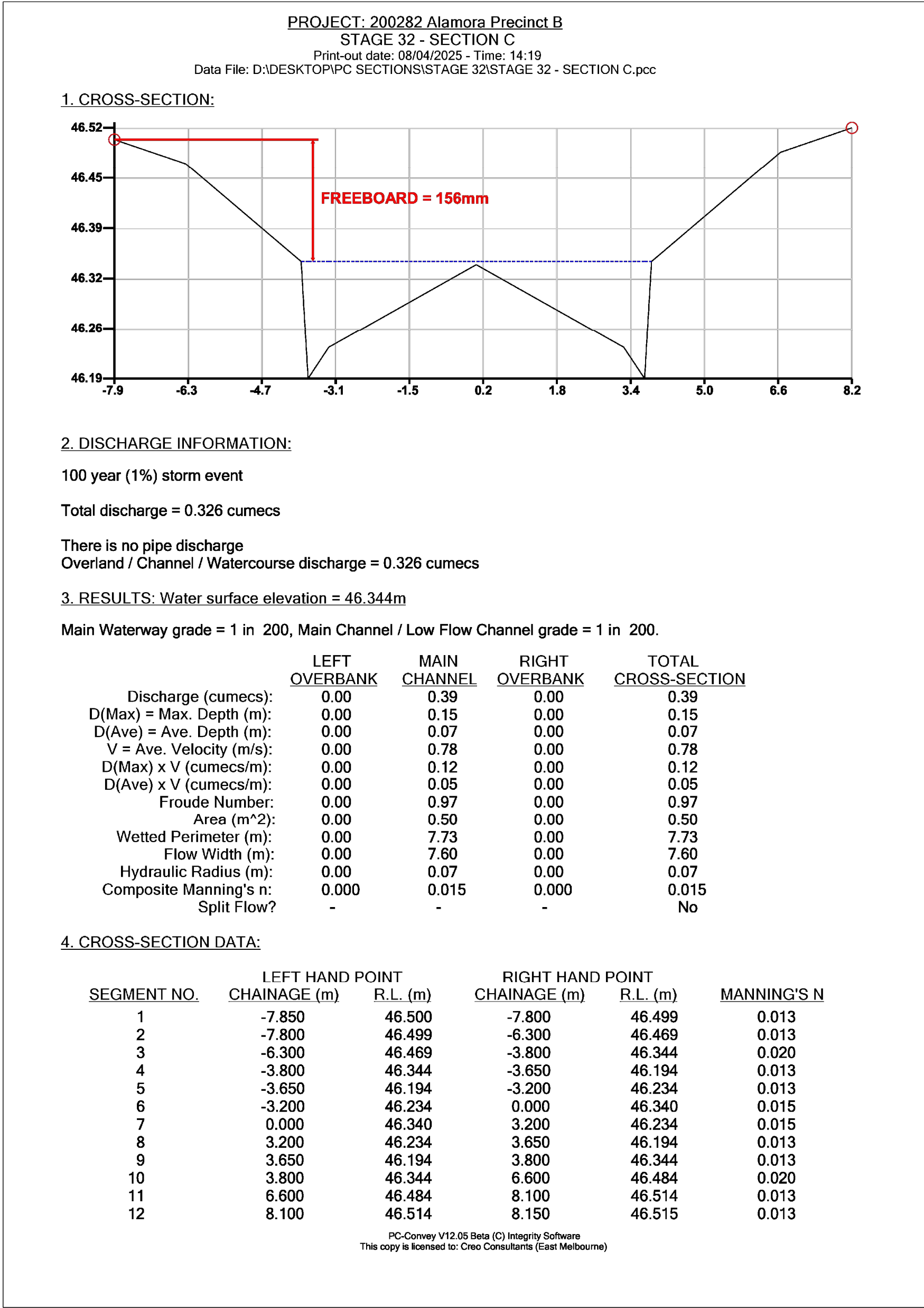
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220		ALAMORA - STAGE 32 - 34 Q100 CATCHMENT PLAN - 2	ISSUED FOR CONSTRUCTION	A.WALE
									SCALE @ A1 : 1:500	DRAWN	PROJECT MANAGER
										M.PLANT	E.SFYRIDIS
0	27/11/25	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					PROJECT No.	DRAWING No.
C	19/09/25	ISSUED FOR APPROVAL	M.P	A.W	E.S					200282.32	C101
B	23/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T						REVISION
A	29/05/25	ISSUED FOR APPROVAL	M.P	A.W	M.T						0



SECTION A

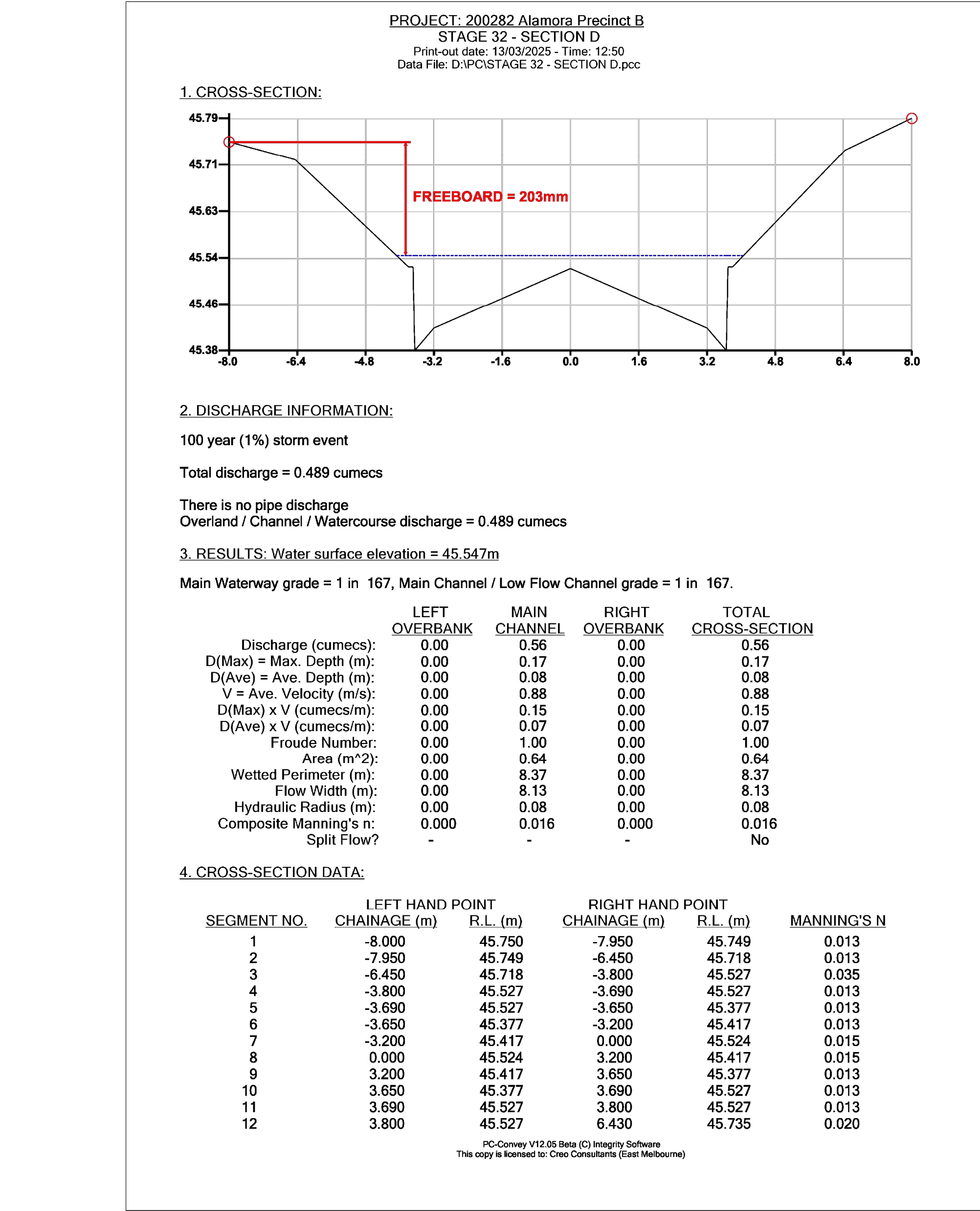


SECTION B

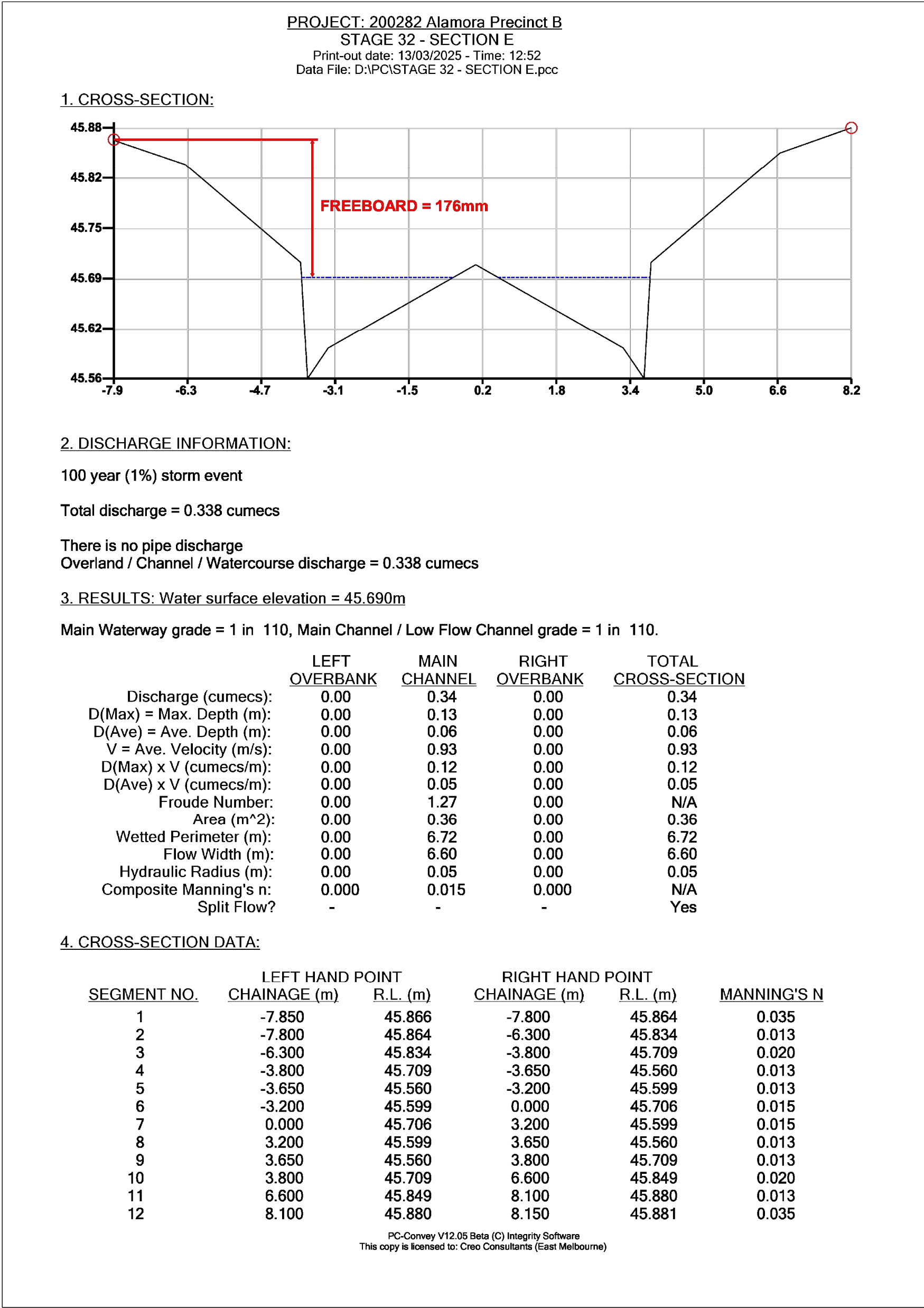


SECTION C

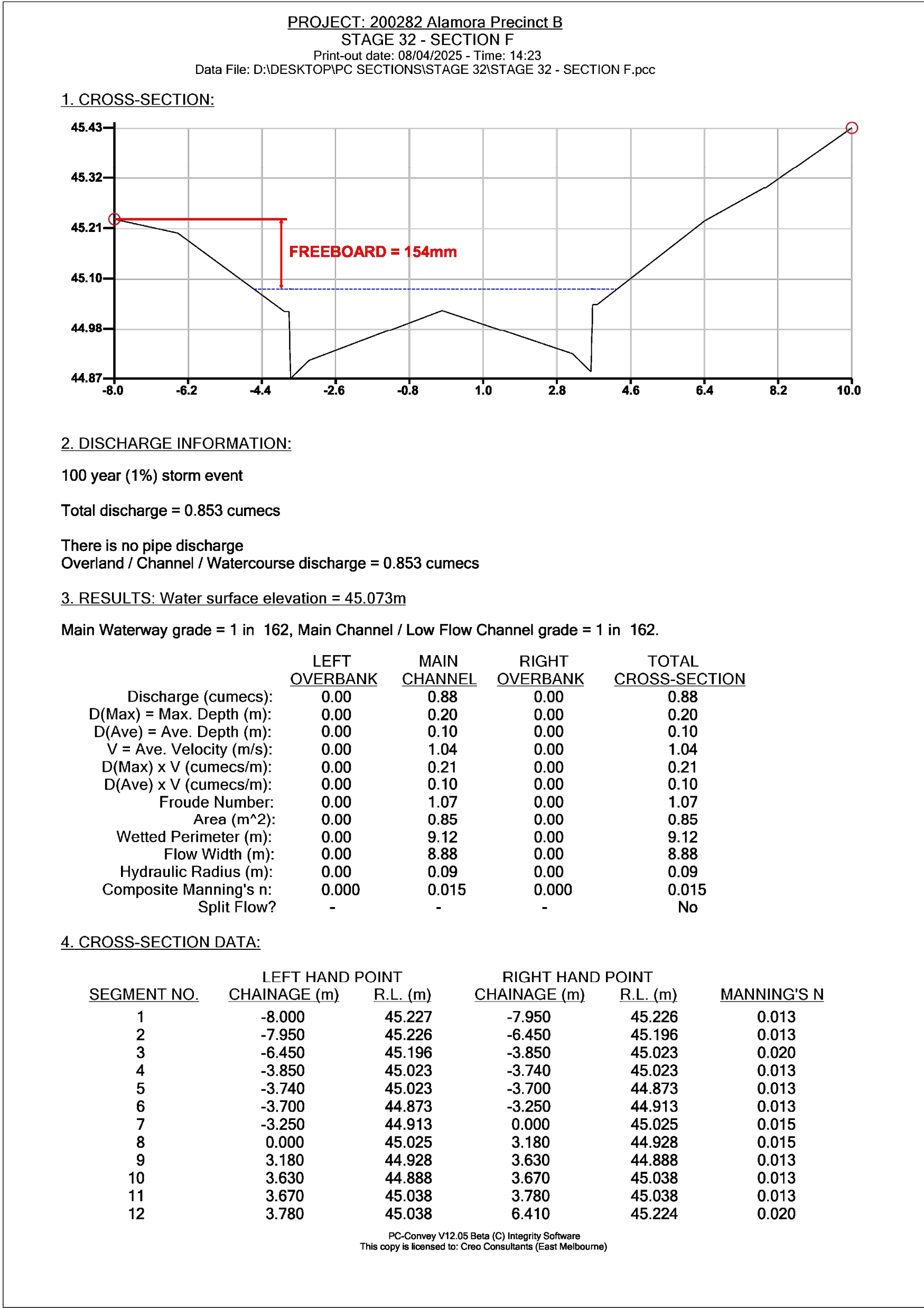
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER		
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA <i>Tarnait</i>	ALAMORA - STAGE 32 - 34 Q100 CROSS SECTIONS - 1	ISSUED FOR CONSTRUCTION		M.PLANT	A.WALE
0	27/11/25	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					M.PLANT	E.SFYRIDIS		
C	19/09/25	ISSUED FOR APPROVAL	M.P	A.W	E.S								
B	23/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								
A	29/05/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								



SECTION D

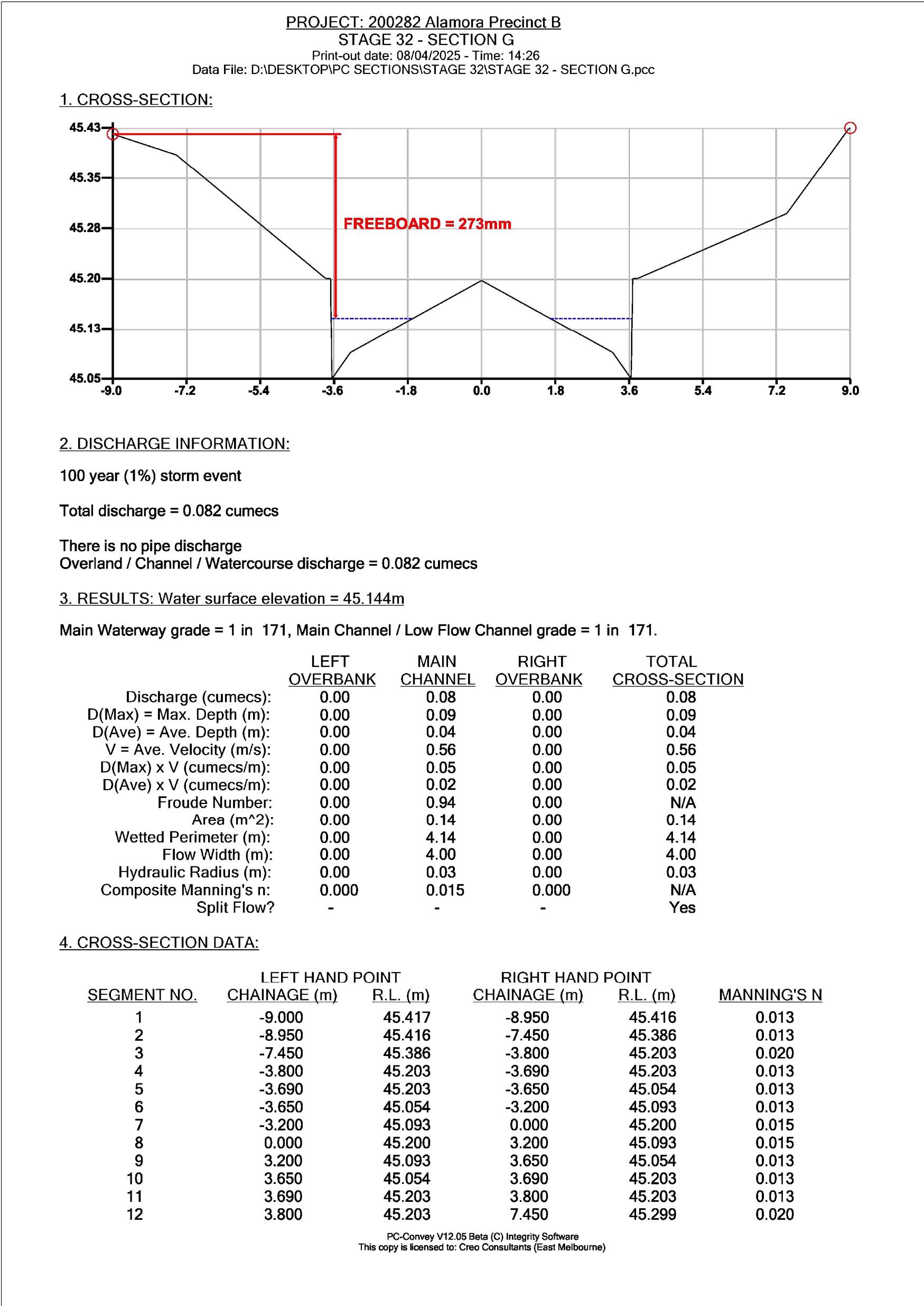


SECTION E

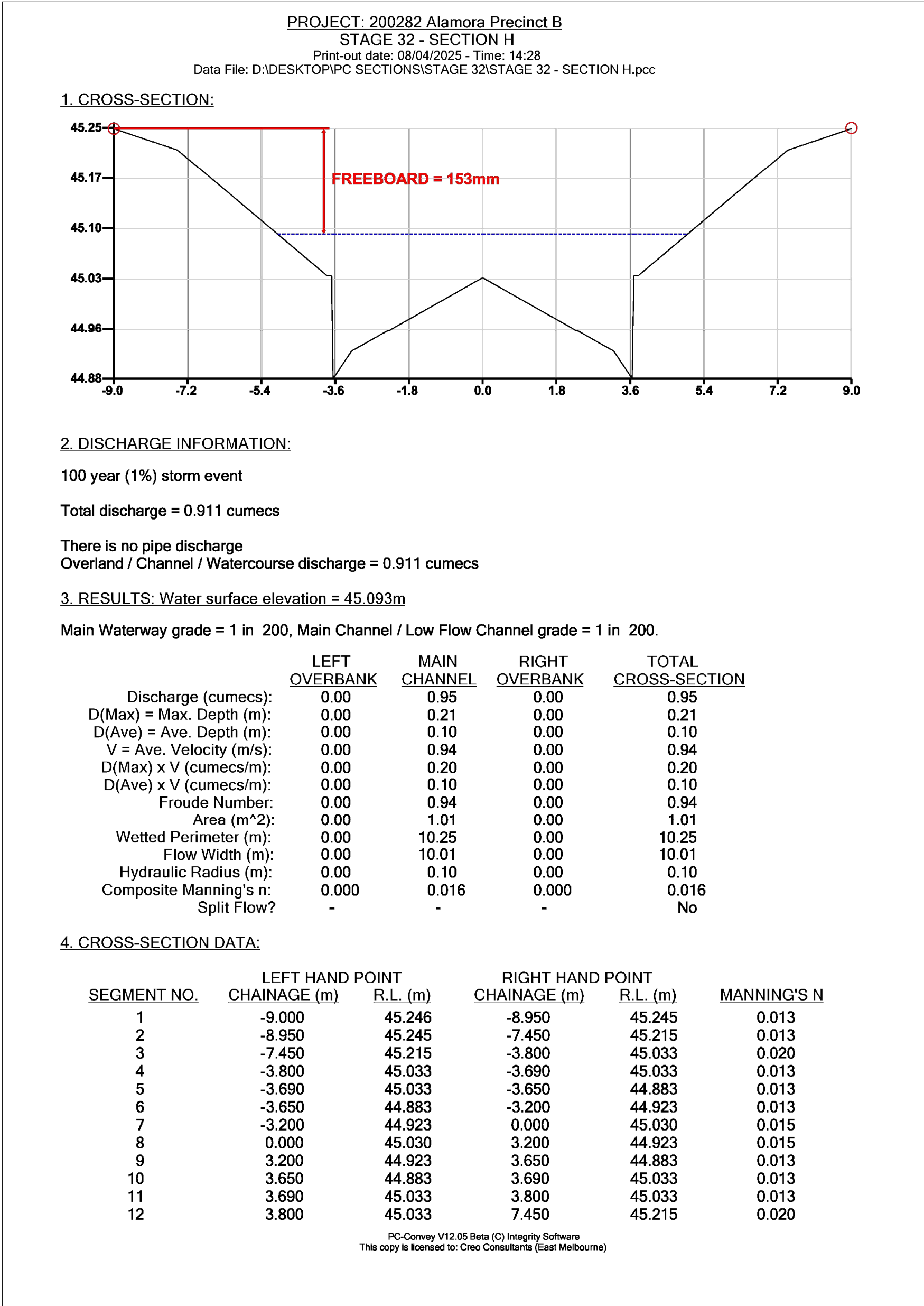


SECTION F

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER		
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 32 - 34 Q100 CROSS SECTIONS - 2	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE		
0	27/11/25	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S							M.PLANT	E.SFYRIDIS
C	19/09/25	ISSUED FOR APPROVAL	M.P	A.W	E.S								
B	23/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								
A	29/05/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								

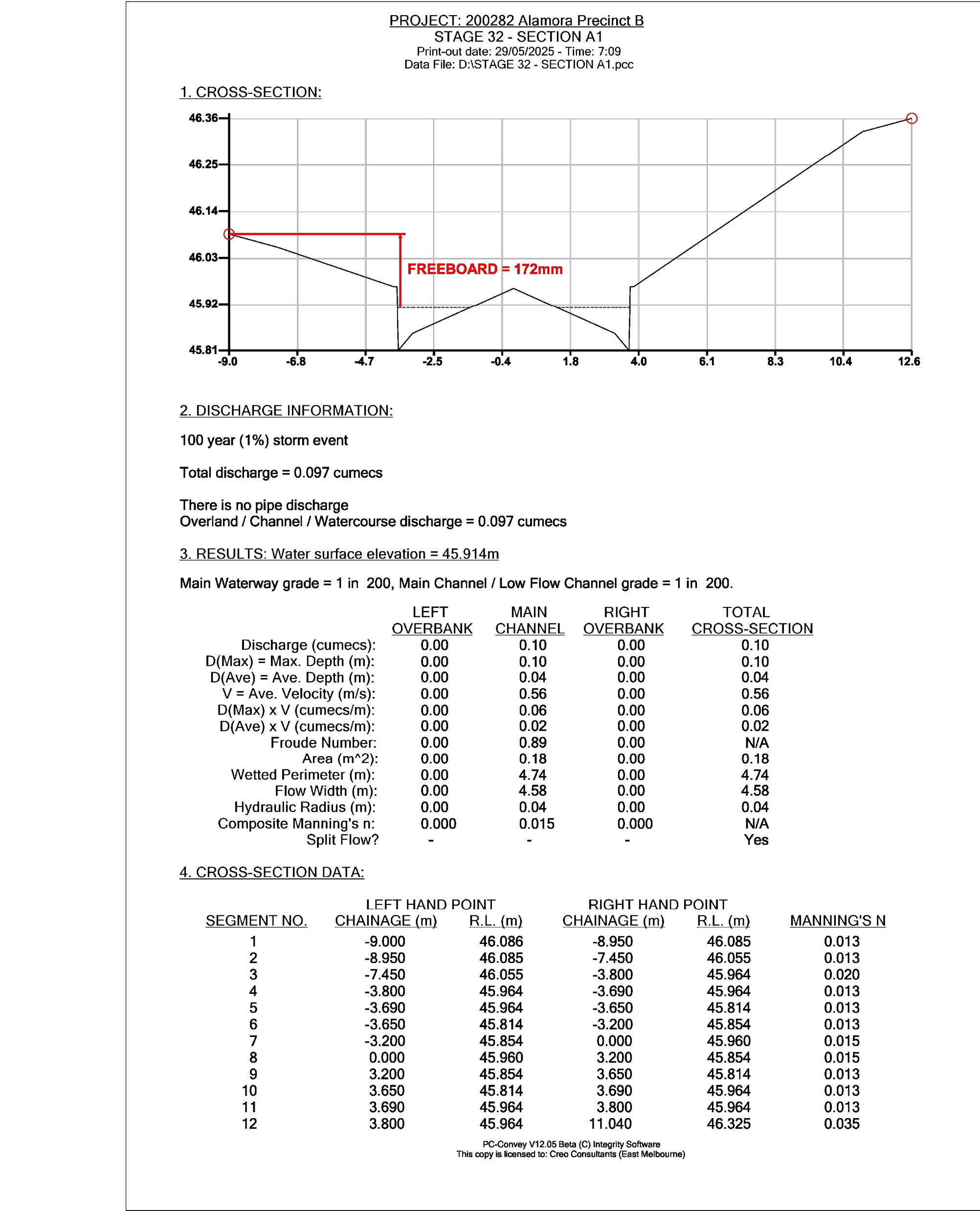


SECTION G

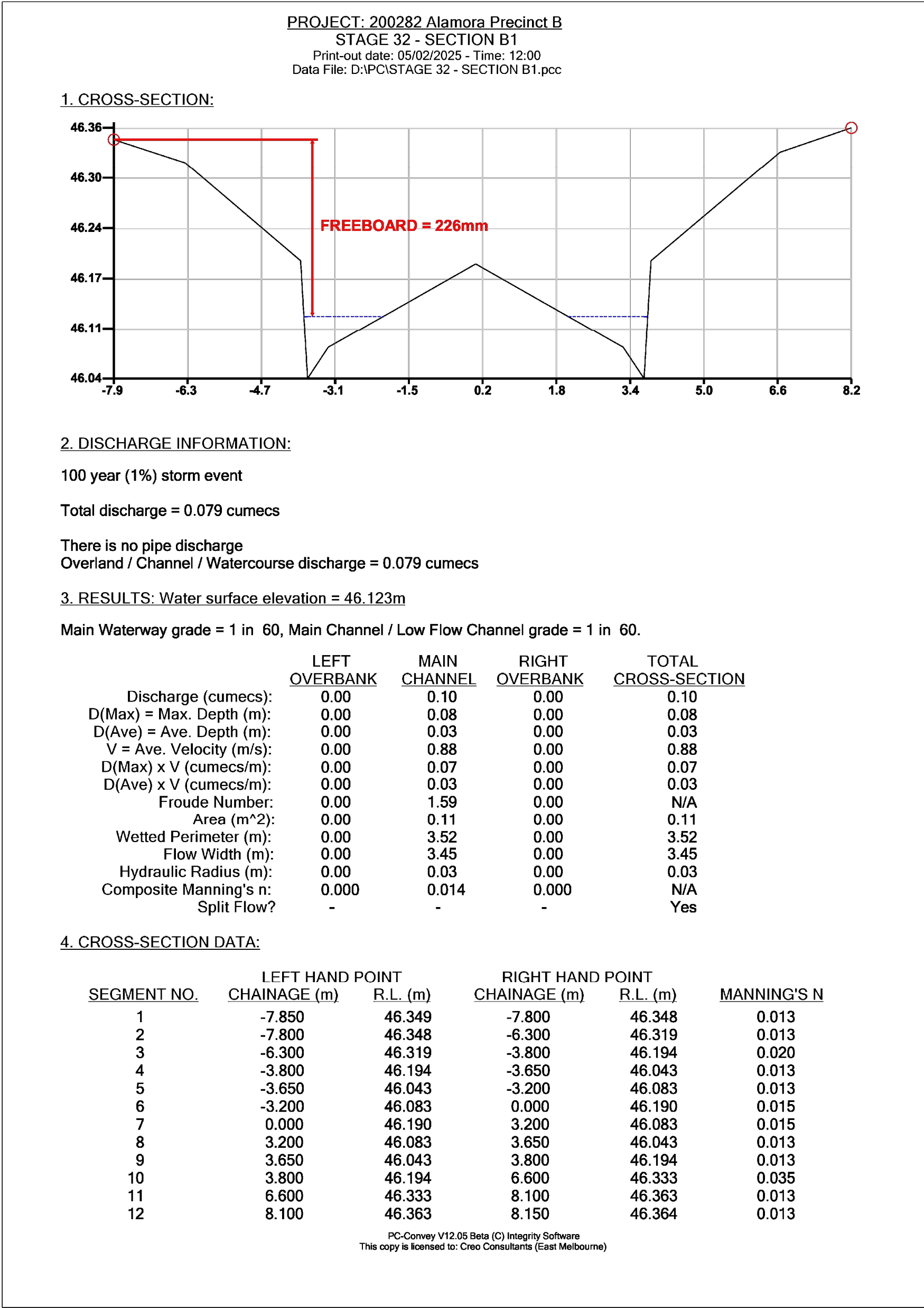


SECTION H

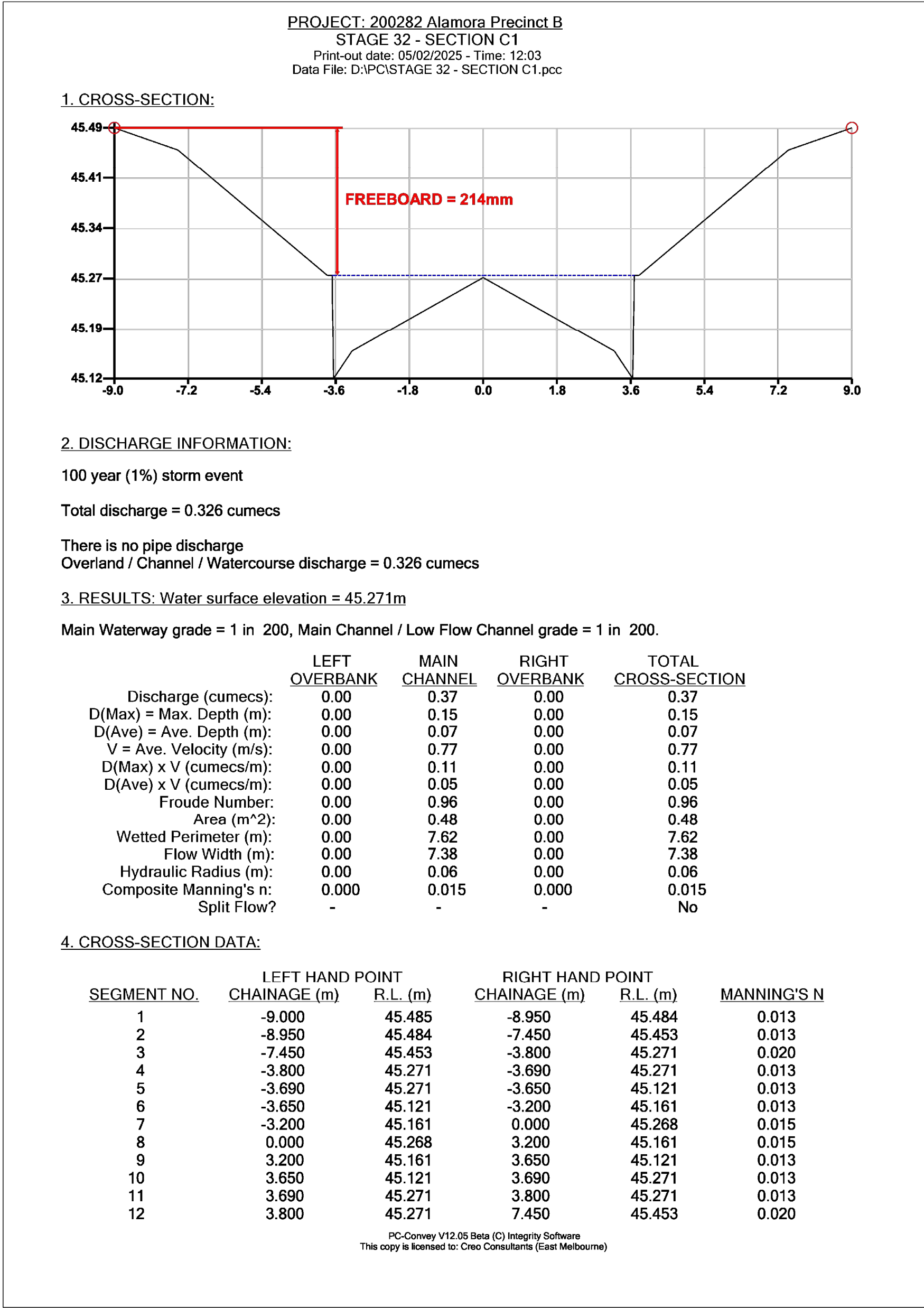
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER			
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 32 - 34 Q100 CROSS SECTIONS - 3	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE			
0	27/11/25	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S						SCALE @ A1 :		M.PLANT	E.SFYRIDIS
C	19/09/25	ISSUED FOR APPROVAL	M.P	A.W	E.S								PROJECT No. 200282.32	DRAWING No. C104
B	23/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T									
A	29/05/25	ISSUED FOR APPROVAL	M.P	A.W	M.T									



SECTION A1



SECTION B1



SECTION C1

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER			
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 32 Q100 CROSS SECTIONS - 4	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE			
0	27/11/25	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					M.PLANT	E.SFYRIDIS			
C	19/09/25	ISSUED FOR APPROVAL	M.P	A.W	E.S									
B	23/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T									
A	29/05/25	ISSUED FOR APPROVAL	M.P	A.W	M.T									

PROJECT: 200282 Alamora Precinct B
STAGE 32 - SECTION C1
Print-out date: 05/02/2025 - Time: 12:03
Data File: D:\PC\STAGE 32 - SECTION C1.pcc

1. CROSS-SECTION:

2. DISCHARGE INFORMATION:
100 year (1%) storm event
Total discharge = 0.326 cumecs
There is no pipe discharge
Overland / Channel / Watercourse discharge = 0.326 cumecs

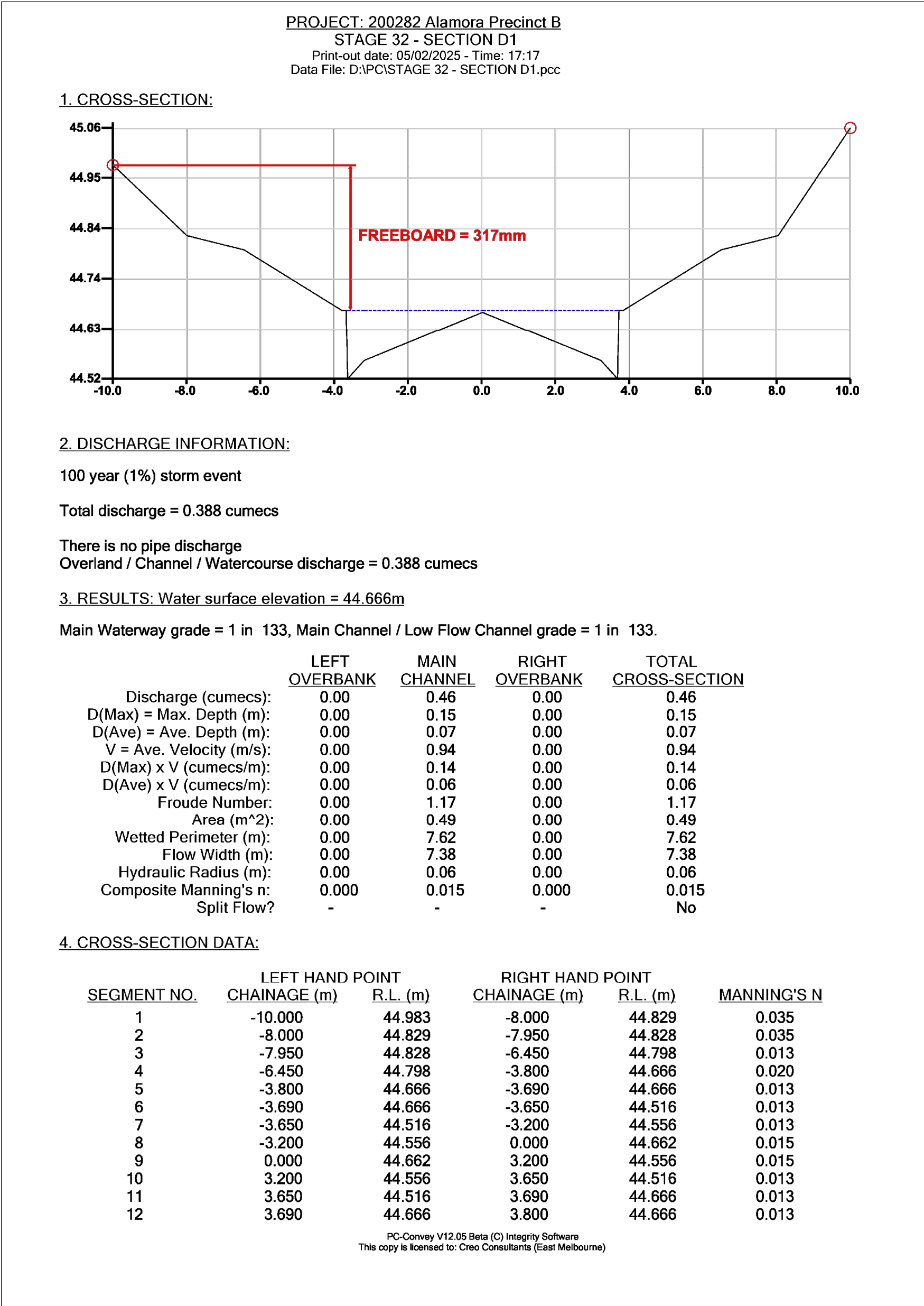
3. RESULTS: Water surface elevation = 45.271m
Main Waterway grade = 1 in 200, Main Channel / Low Flow Channel grade = 1 in 200.

	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	0.15	0.00	0.15
D(Ave) = Ave. Depth (m):	0.00	0.07	0.00	0.07
V = Ave. Velocity (m/s):	0.00	0.77	0.00	0.77
D(Max) x V (cumecs/m):	0.00	0.11	0.00	0.11
D(Ave) x V (cumecs/m):	0.00	0.05	0.00	0.05
Froude Number:	0.00	0.96	0.00	0.96
Area (m^2):	0.00	0.48	0.00	0.48
Wetted Perimeter (m):	0.00	7.62	0.00	7.62
Flow Width (m):	0.00	7.38	0.00	7.38
Hydraulic Radius (m):	0.00	0.06	0.00	0.06
Composite Manning's n:	0.000	0.015	0.000	0.015
Split Flow?	-	-	-	No

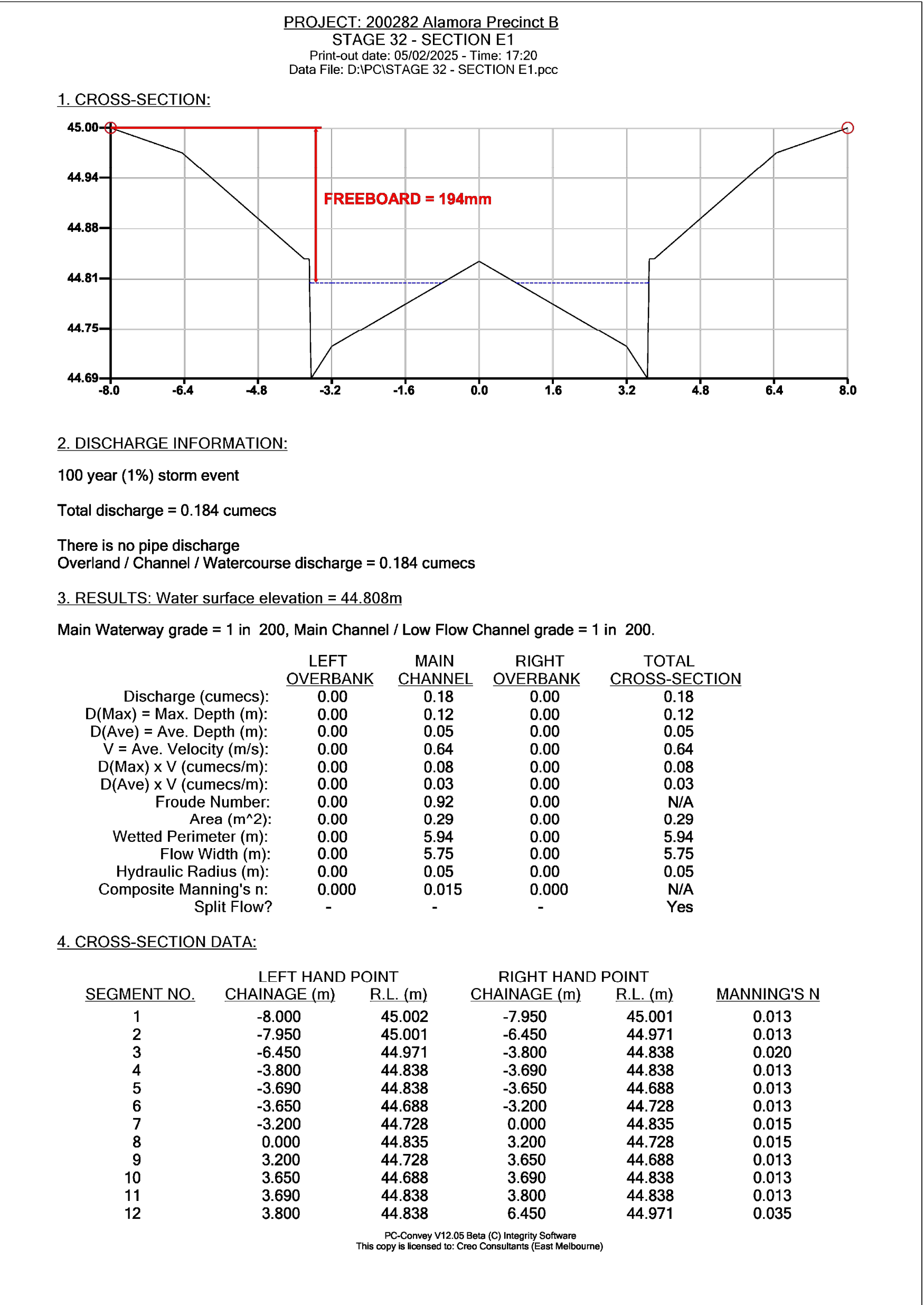
4. CROSS-SECTION DATA:

SEGMENT NO.	LEFT HAND POINT CHAINAGE (m)	LEFT HAND POINT R.L. (m)	RIGHT HAND POINT CHAINAGE (m)	RIGHT HAND POINT R.L. (m)	MANNING'S N
1	-9.000	45.485	-8.950	45.484	0.013
2	-8.950	45.484	-7.450	45.453	0.013
3	-7.450	45.453	-3.800	45.271	0.020
4	-3.800	45.271	-3.690	45.271	0.013
5	-3.690	45.121	-3.650	45.121	0.013
6	-3.650	45.121	-3.200	45.161	0.013
7	-3.200	45.161	0.000	45.268	0.015
8	0.000	45.268	3.200	45.161	0.015
9	3.200	45.161	3.650	45.121	0.013
10	3.650	45.121	3.690	45.271	0.013
11	3.690	45.271	3.800	45.271	0.013
12	3.800	45.271	7.450	45.453	0.020

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SECTION D1



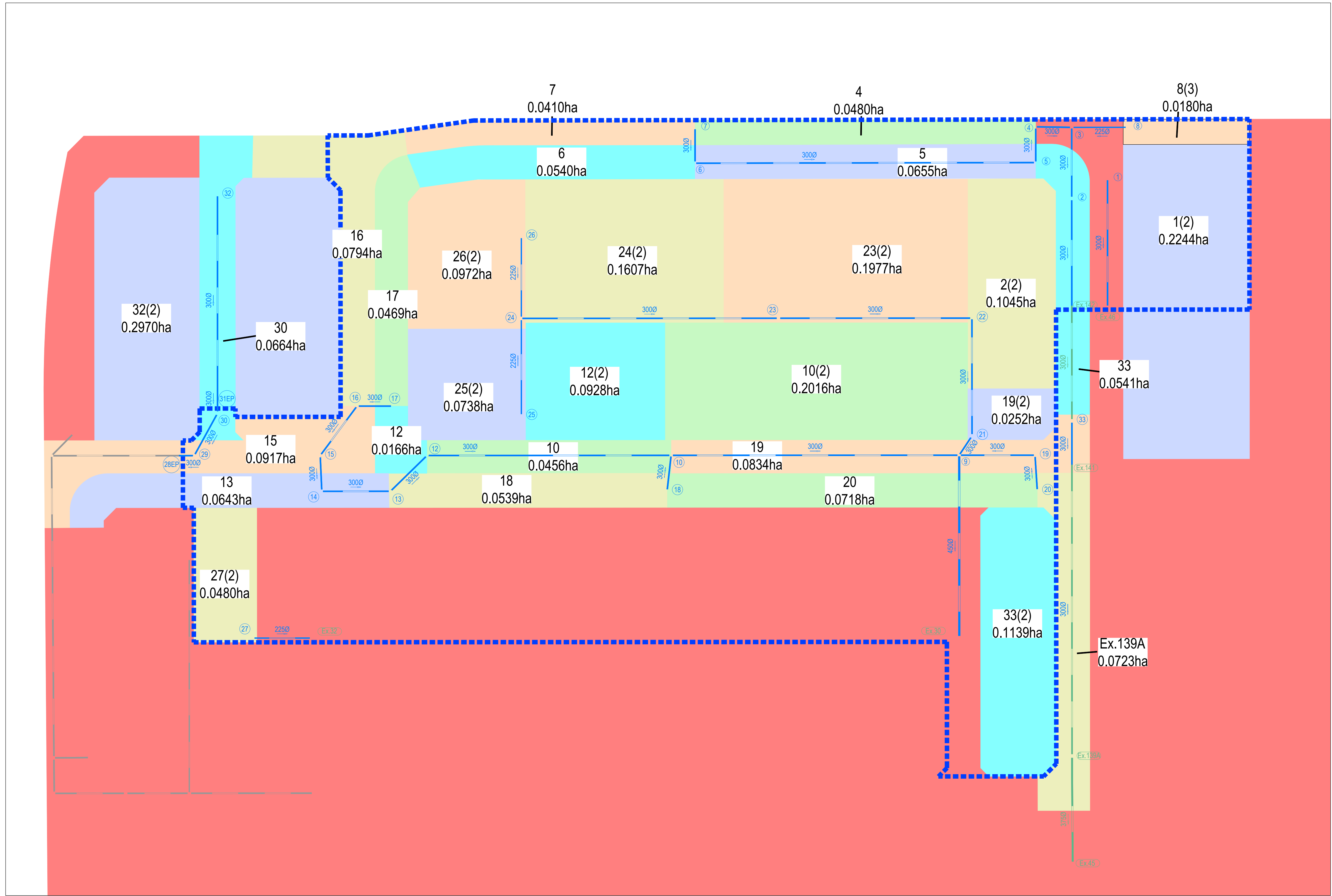
SECTION E1

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	DESIGNED	PROJECT ENGINEER		
						 Communities Designed for Living	 Suite 1, 2 Bloomsbury Street Newtown, VIC, Australia 3220	ALAMORA - STAGE 32 Q100 CROSS SECTIONS - 5	ISSUED FOR CONSTRUCTION	M.PLANT	A.WALE		
0	27/11/25	ISSUED FOR CONSTRUCTION	M.P	A.W	E.S					M.PLANT	E.SFYRIDIS		
C	19/09/25	ISSUED FOR APPROVAL	M.P	A.W	E.S								
B	23/07/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								
A	29/05/25	ISSUED FOR APPROVAL	M.P	A.W	M.T								

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

ALAMORA

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CLIENT					
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	22/01/26	ISSUED FOR CONSTRUCTION	M.P	A.W	M.T
0	01/08/25	ISSUED FOR APPROVAL	M.P	A.W	M.T
					
PROJECT					
DRAWING TITLE					
ALAMORA - STAGE 33 Q5 CATCHMENT PLAN					
STATUS					
SCALE @ A1 : 1:500					
 					
DESIGNED			PROJECT ENGINEER		
M.PLANT			A.WALE		
DRAWN			PROJECT MANAGER		
M.PLANT			M.TROUNCE		
PROJECT No.			DRAWING No.		REVISION
200282.33			C200		A



DRAINAGE COMPUTATIONS - HYDRAULICS - 1in 5 YEAR ARI -																						CIVIL	
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	US Pit Ku	Pipe V'head (m)	P'head Loss (m)	Pipe T'head Loss (m)	Pit WSE (m)	Pipe US HGL	Pipe DS HGL	HGL Slope (%)	HGL Grade (1 in)	Freeboard US (m)	
	1 Ex.46	30.2	300	50	5	82.4	0.16	36.6	136.8	0.27	1.94	1.49	7	0.01	0.1	0.49	46.1	46	45.51	1.64	61.1	1.43	
Ex.139	Ex.45	20.66	375	126	8.64	67.41	0.3531	66.1	156.3	0.42	1.41	1.25	2	0.02	0.04	0.29	44.18	44.14	43.77	1.78	56	1.26	
Ex.139A	Ex.139	4.9	375	126	8.58	67.64	0.3531	66.3	156.3	0.42	1.41	1.23		0.02		0.01	44.18	44.18	44.18	0.14	699	1.39	
Ex.141	Ex.139A	69.32	300	130	7.62	71.61	0.3117	62	84.8	0.73	1.2	1.34	2	0.04	0.08	0.5	44.76	44.68	44.18	0.72	138.5	1.49	
33	Ex.141	10.38	300	130	7.47	72.2	0.3117	62.5	84.8	0.74	1.2	1.52	1.73	0.04	0.07	0.04	44.87	44.81	44.76	0.42	239.4	1.65	
Ex.142	33	27.45	300	50.1	7.24	73.18	0.1995	40.6	136.7	0.3	1.93	1.51	2	0.02	0.03	0.62	45.53	45.5	44.87	2.28	43.9	1.5	
2	Ex.142	25.44	300	50	7.02	74.08	0.1995	41.1	136.8	0.3	1.94	1.44	1.75	0.02	0.03	0.48	46.04	46.01	45.53	1.87	53.5	1.45	
3	2	16.92	300	187.2	6.74	75.24	0.1251	26.1	70.7	0.37	1	1.26	2.07	0.01	0.01	0.11	46.17	46.15	46.04	0.65	153.5	1.5	
4	3	8.57	300	187.2	6.59	75.83	0.1192	25.1	70.7	0.36	1	1.43	2.2	0.01	0.01	0.08	46.26	46.25	46.16	0.95	105.4	1.46	
5	4	8.5	300	187.2	6.45	76.41	0.0918	19.5	70.7	0.28	1	1.15	2.26		0.01	0.08	46.35	46.34	46.26	0.96	104.7	1.33	
6	5	81	300	187.2	5.1	81.97	0.0543	12.4	70.7	0.17	1	1.27	3.31		0.01	0.47	46.83	46.82	46.35	0.59	170.9	1.34	
7	6	8.5	300	100	5	82.4	0.0234	5.4	96.7	0.06	1.37	1.02	7			0.13	46.96	46.96	46.83	1.53	65.5	1.23	
8	3	13.24	225	100	5	82.4	0.0058	1.3	44.9	0.03	1.13	1.44	7			0.12	46.28	46.28	46.16	0.89	112.2	1.42	
9	Ex.30	43.4	450	190	7.61	71.63	0.922	183.5	206.9	0.89	1.3	1.13	1.5	0.07	0.1	0.18	45.23	45.13	44.95	0.41	241.7	1.24	
10	9	68.5	300	95	6.8	74.98	0.4378	91.2	99.3	0.92	1.4	1.32	1.82	0.08	0.15	0.62	46	45.85	45.23	0.9	111.1	1.22	
12	10	58.04	300	140	5.96	78.43	0.2371	51.7	81.8	0.63	1.16	1.3	1.91	0.03	0.05	0.31	46.36	46.31	46	0.53	187.2	1.5	
13	12	12.16	300	187.2	5.76	79.26	0.1614	35.5	70.7	0.5	1	1.3	1.57	0.01	0.02	0.06	46.45	46.42	46.36	0.52	192.9	1.49	
14	13	16.32	300	187.2	5.49	80.38	0.1247	27.8	70.7	0.39	1	1.43	2.02	0.01	0.02	0.12	46.58	46.56	46.45	0.72	139.6	1.44	
15	14	8.51	300	187.2	5.35	80.97	0.1247	28	70.7	0.4	1	1.17	2.14	0.01	0.02	0.08	46.67	46.66	46.58	0.93	107.1	1.35	
16	15	14.65	300	187.2	5.1	81.97	0.0722	16.4	70.7	0.23	1	1.3	4.2		0.01	0.11	46.8	46.79	46.67	0.76	131.9	1.34	
17	16	8.5	300	100	5	82.4	0.0268	6.1	96.7	0.06	1.37	1	7			0.12	46.92	46.92	46.8	1.45	68.9	1.2	
18	10	8.55	300	100	5	82.4	0.0308	7.1	96.7	0.07	1.37	1	7			0.03	46.04	46.03	46	0.41	244.9	1.2	
19	9	18.02	300	187.2	5.14	81.82	0.1068	24.3	70.7	0.34	1	1.22	3.97	0.01	0.02	0.01	45.27	45.24	45.23	0.06	1589.9	1.11	
20	19	8.52	300	187.2	5	82.4	0.0411	9.4	70.7	0.13	1	0.95	7		0.01		45.27	45.26	45.26	0.01	10586.7	1.1	
21	9	5.52	300	30	7.07	73.87	0.3774	77.4	176.6	0.44	2.5	1.26	0.43	0.06	0.03	0.08	45.33	45.31	45.23	1.44	69.4	1.27	
22	21	28	300	45	6.84	74.81	0.3774	78.4	144.2	0.54	2.04	1.2	2.08	0.06	0.13	0.64	46.15	45.98	45.33	2.31	43.3	1.07	
23	22	46	300	110	6.25	77.23	0.3774	81	92.2	0.88	1.3	1.1	1.7	0.07	0.11	0.34	46.56	46.45	46.11	0.73	136.4	1.02	
24	23	61.16	300	150	5.34	80.99	0.2365	53.2	79	0.67	1.12	1.06	2.29	0.03	0.07	0.34	46.98	46.91	46.56	0.56	177.9	1.13	
25	24	23.2	225	100	5	82.4	0.0526	12	44.9	0.27	1.13	0.66	7		0.03	0.17	47.17	47.14	46.97	0.72	139.8	0.65	
26	24	19.5	225	100	5	82.4	0.0693	15.9	44.9	0.35	1.13	0.73	7	0.01	0.06	0.28	47.63	47.58	47.25	1.68	59.5	0.73	
27	Ex.32	14	225	100	5	82.4	0.0342	7.8	44.9	0.17	1.13	0.7	7		0.01		47.18	47.17	47.16	0.03	3288.3	0.65	
29	28EP	3.7	300	187.2	6.06	78.04	0.2498	54.1	70.7	0.77	1	1.19	1.26	0.03	0.04	0.09	47.1	47.06	46.92	3.76	26.6	1.17	
30	29	11.53	300	187.2	5.87	78.83	0.2498	54.7	70.7	0.77	1	1.15	1.22	0.03	0.04	0.07	47.21	47.17	47.09	0.64	155.8	1.26	
31EP	30	2.09	300	187.2	5.83	78.97	0.2118	46.5	70.7	0.66	1	1.02	2	0.02	0.04	0.1	47.47	47.43	47.29	6.91	14.5	1.02	
32	31EP	49.9	300	187.2	5	82.4	0.2118	48.5	70.7	0.69	1	1	6.81	0.02	0.16	0.22	47.86	47.7	47.47	0.45	224.2	0.87	

Project:	ALAMORA STAGE 33
Job No:	200282.33

DATE:	23/01/2026
REVISION:	0



DRAINAGE COMPUTATIONS - HYDROLOGY												
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.46	TP	291977.8	5808943.44	47.03								
1	JP	291981.99	5808973.35	47.53	2P	5	82.4	0.71	0.2244	0.16	0.16	36.6
Ex.45	JP	291951.13	5808813.17	45.4								
Ex.139	ENDPIPE	291953.85	5808833.65	45.44								
Ex.139A	DSEPG	291954.53	5808838.51	45.58	1P	5	82.4	0.57	0.0723	0.0414	0.0414	9.5
Ex.141	JP	291964.14	5808907.15	46.26								
33	DSEP	291965.58	5808917.44	46.53	1P	5	82.4	0.57	0.0541	0.031	0.1122	25.7
					2P	5	82.4	0.71	0.1139	0.0812		
Ex.142	ENDPIPE	291969.39	5808944.62	47.04								
2	JP	291972.91	5808969.81	47.48	2P	5	82.4	0.71	0.1045	0.0745	0.0745	17
3	JP	291975.27	5808966.57	47.67								
4	GSEP	291966.8	5808987.89	47.72	1P	5	82.4	0.57	0.048	0.0274	0.0274	6.3
5	GSEP	291965.62	5808979.47	47.68	1P	5	82.4	0.57	0.0655	0.0375	0.0375	8.6
6	GSEP	291885.39	5808990.59	48.17	1P	5	82.4	0.57	0.054	0.0309	0.0309	7.1
7	GSEP	291886.56	5808999.01	48.19	1P	5	82.4	0.57	0.041	0.0234	0.0234	5.4
8	GJP	291988.38	5808984.73	47.7	3P	5	82.4	0.32	0.018	0.0058	0.0058	1.3
Ex.30	GJP	291931.89	5808870.1	46.22								
9	JP	291937.91	5808913.08	46.47								
10	GSEP	291870.07	5808922.57	47.22	1P	5	82.4	0.57	0.0456	0.0261	0.1698	38.9
					2P	5	82.4	0.71	0.2016	0.1437		
12	GSEP	291812.59	5808930.62	47.86	1P	5	82.4	0.57	0.0166	0.0095	0.0757	17.3
					2P	5	82.4	0.71	0.0928	0.0662		
13	GSEP	291802.79	5808923.41	47.94	1P	5	82.4	0.57	0.0643	0.0368	0.0368	8.4
14	JP	291786.63	5808925.67	48.02								
15	GSEP	291787.43	5808934.14	48.03	1P	5	82.4	0.57	0.0917	0.0524	0.0524	12
16	GSEP	291797.73	5808944.57	48.13	1P	5	82.4	0.57	0.0794	0.0454	0.0454	10.4
17	GSEP	291806.15	5808943.39	48.12	1P	5	82.4	0.57	0.0469	0.0268	0.0268	6.1
18	GSEP	291867.94	5808914.29	47.23	1P	5	82.4	0.57	0.0539	0.0308	0.0308	7.1
19	GSEP	291955.76	5808910.58	46.37	1P	5	82.4	0.57	0.0834	0.0477	0.0657	15
					2P	5	82.4	0.71	0.0252	0.018		
20	GSEP	291955.12	5808902.09	46.37	1P	5	82.4	0.57	0.0718	0.0411	0.0411	9.4
21	JP	291941.57	5808917.21	46.6								
22	JP	291945.45	5808944.94	47.22								
23	JP	291899.89	5808951.32	47.59	2P	5	82.4	0.71	0.1977	0.141	0.141	32.3
24	JP	291839.33	5808959.8	48.12	2P	5	82.4	0.71	0.1607	0.1146	0.1146	26.2
25	JP	291836.11	5808936.82	47.82	2P	5	82.4	0.71	0.0738	0.0526	0.0526	12
26	JP	291842.04	5808979.11	48.36	2P	5	82.4	0.71	0.0972	0.0693	0.0693	15.9
Ex.32	JP	291779.36	5808891.45	47.72								
27	JP	291765.5	5808893.39	47.83	2P	5	82.4	0.71	0.048	0.0342	0.0342	7.8
28EP	ENDPIPE	291754.11	5808938.81	48.32								
29	JP	291757.77	5808938.29	48.26								
30	GJP	291764.67	5808947.53	48.47	1P	5	82.4	0.57	0.0664	0.038	0.038	8.7
31EP	ENDPIPE	291764.96	5808949.6	48.49								
32	GJP	291771.88	5808999.02	48.73	2P	5	82.4	0.71	0.297	0.2118	0.2118	48.5