





NON-STANDARD VEHICLE CROSSING SCHEDULE			
LOT NO.	VEHICLE CROSSING WIDTH (m) (AT BOUNDARY)	VEHICLE CROSSING OFFSET (m)	VEHICLE CROSSING LOCATION
7010	3.5	1	EAST BL
7012 / 7013	3	0	CENTER BL
7014 / 7015	3	0	CENTER BL
7016 / 7017	3	0	CENTER BL
7019	3.5	1	WEST BL

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

**GREATER GEELONG CITY COUNCIL**  
**PLANNING ENVIRONMENT ACT 1987**  
**GREATER GEELONG PLANNING SCHEME**

Endorsed Plan  
 Planning Permit No: PP-1547-2021  
 Sheet 2 of 15  
 Approved By MT on behalf of Adam F.  
 Approved Date 18/03/2026

NOTE: THIS IS NOT A BUILDING APPROVAL

NOTE: PUBLIC LIGHTING LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY ELECTRICAL ENGINEERS

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

- LEGEND - LAYOUT PLAN**
- STORMWATER DRAIN, PIT & PROPERTY INLET
  - EXISTING STORMWATER DRAIN
  - EXISTING HOUSE DRAIN
  - SWALE 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
  - EXISTING SURFACE LEVEL
  - FINISHED SURFACE LEVEL
  - FINISHED RIDGE LINE LEVEL
  - DIRECTION OF FALL (ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED)
  - OVERLAND FLOW
  - 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 & DRIVEWAY
  - PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & HEAVY DUTY DRIVEWAY
  - RIDGE LINE
  - EXISTING CONTOURS
  - TACTILE PAVERS
  - LANDSCAPE AREA

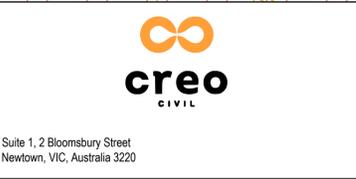
- NOTES:**
- ALL VEHICLE AND PRAM CROSSING LAYBACKS, TO BE MINIMUM OF 1.0m FROM PITS.
  - ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.
  - ALL PRAM CROSSINGS TO BE DDA COMPLIANT.
  - VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.
  - THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002.
  - SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH.
  - CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVICING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT.
  - CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.
  - CONTRACTOR TO VERIFY DEPTH OF EXISTING SERVICES, PRIOR TO COMMENCEMENT OF CONSTRUCTION.

NOTE: GAS & WATER CONDUITS TO ALLOTMENTS 7001-7009 ARE TO BE BORED UNDER EXISTING ARMSTRONG BOULEVARD TO CONNECT TO EXISTING MAINS

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

**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**  
 THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS  
**BEFORE YOU DIG**  
 www.byda.com.au

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	10.11.2025	REMOVED LANDSCAPE CUTOUTS, LOT 7010 & 7017 SWD HD'S	J.RAMSAY	J.RAMSAY	M.TROUNCE
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE



DRAWING TITLE  
**ARMSTRONG ESTATE - STAGE 70 LAYOUT PLAN**

PERMIT NO. PP-1547-2021

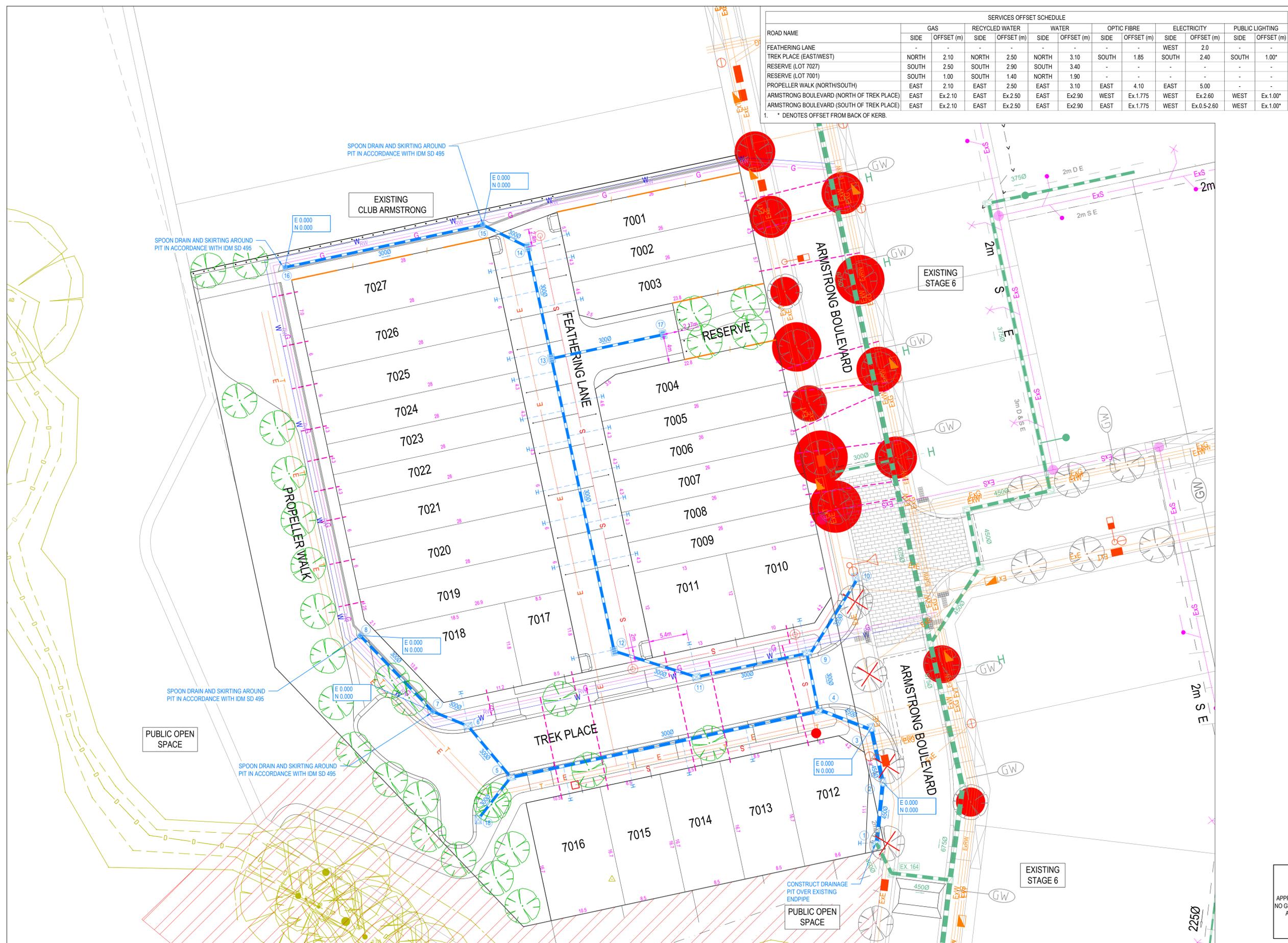
STATUS  
**ISSUED FOR APPROVAL NOT FOR CONSTRUCTION**

SCALE @ A1 : 1:250

DESIGNED	PROJECT ENGINEER	
I.HOGAN	J.RAMSAY PE0015586	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.70	R200	B

ROAD NAME	GAS		RECYCLED WATER		WATER		OPTIC FIBRE		ELECTRICITY		PUBLIC LIGHTING	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
FEATHERING LANE	-	-	-	-	-	-	-	-	-	-	-	-
TREK PLACE (EAST/WEST)	NORTH	2.10	NORTH	2.50	NORTH	3.10	SOUTH	1.85	SOUTH	2.40	SOUTH	1.00*
RESERVE (LOT 7027)	SOUTH	2.50	SOUTH	2.90	SOUTH	3.40	-	-	-	-	-	-
RESERVE (LOT 7001)	SOUTH	1.00	SOUTH	1.40	NORTH	1.90	-	-	-	-	-	-
PROPELLER WALK (NORTH/SOUTH)	EAST	2.10	EAST	2.50	EAST	3.10	EAST	4.10	EAST	5.00	-	-
ARMSTRONG BOULEVARD (NORTH OF TREK PLACE)	EAST	Ex.2.10	EAST	Ex.2.50	EAST	Ex.2.90	WEST	Ex.1.775	WEST	Ex.2.60	WEST	Ex.1.00*
ARMSTRONG BOULEVARD (SOUTH OF TREK PLACE)	EAST	Ex.2.10	EAST	Ex.2.50	EAST	Ex.2.90	EAST	Ex.1.775	WEST	Ex.0.5-2.60	WEST	Ex.1.00*

1. \* DENOTES OFFSET FROM BACK OF KERB.



**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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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
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A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

**villawood properties**  
Communities Designed for Living

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

**ARMSTRONG**  
MT DUNEED

**ARMSTRONG ESTATE - STAGE 70 SERVICES PLAN**  
PERMIT NO. PP-1547-2021

**ISSUED FOR APPROVAL NOT FOR CONSTRUCTION**  
SCALE @ A1 : 1:250  
5 0 5 10

DESIGNED	PROJECT ENGINEER	
I.HOGAN	J.RAMSAY PE0015586	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.70	R201	B

LEGEND - EARTHWORKS PLAN

- RIDGE LINE
- - - TOE OF BATTER
- - - SWALE DRAIN
- ES141.34 EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- 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 (ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED)
- OVERLAND FLOW
- 0.10m CONTOUR



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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ARMSTRONG ESTATE - STAGE 70  
EARTHWORKS PLAN

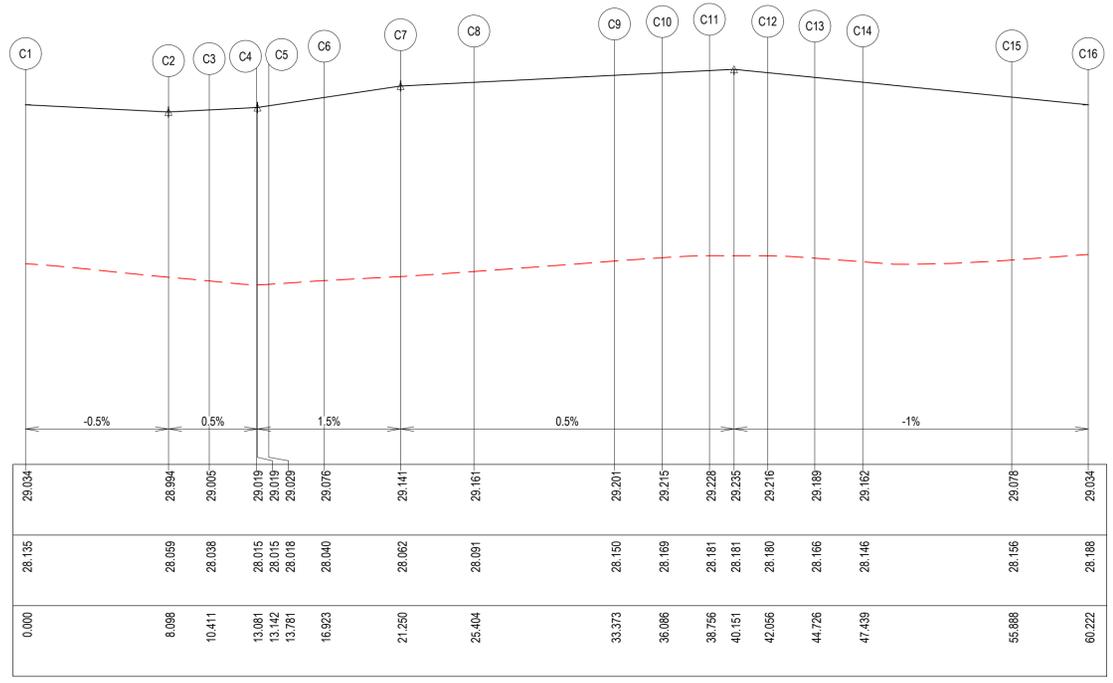
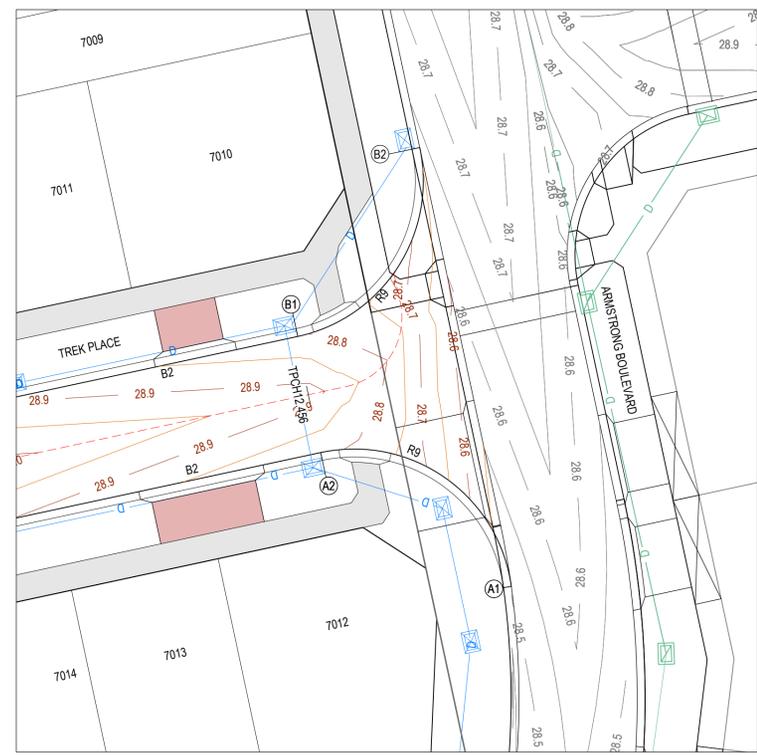
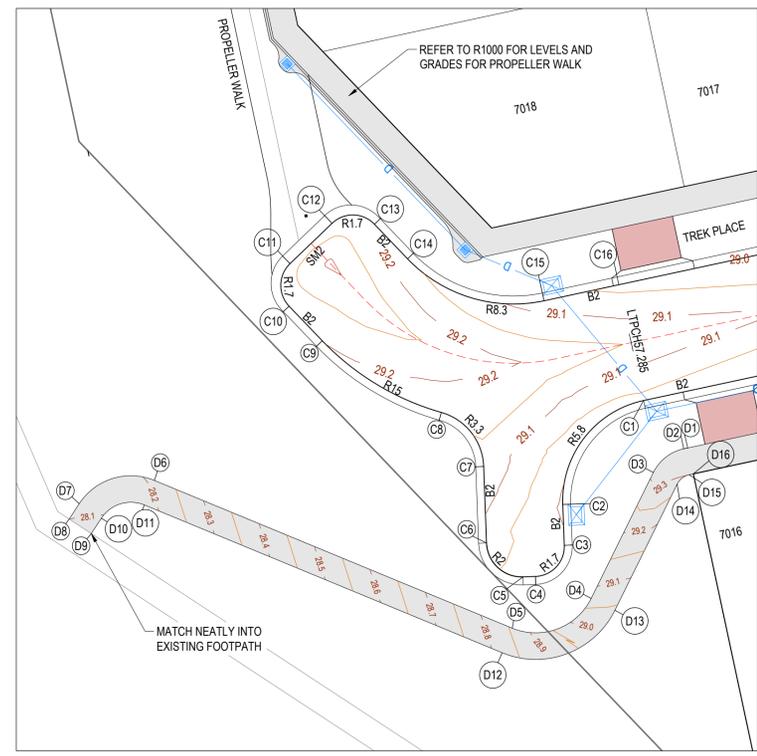
STATUS

ISSUED FOR APPROVAL  
NOT FOR CONSTRUCTION

SCALE @ A1 : 1:250

DESIGNED	I.HOGAN	PROJECT ENGINEER	J.RAMSAY PE0015586
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	180016.70	DRAWING No.	R202
REVISION			A

PERMIT NO. PP-1547-2021



VERTICAL GEOMETRY  
DATUM RL27  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

LIP LINE C

ALIGNMENT C

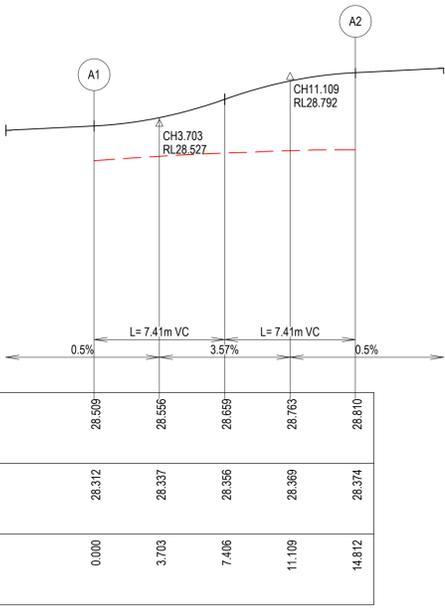
PT NO	EASTING	NORTHING	RL
C1	266129.608	5765642.547	29.034
C2	266125.029	5765636.663	28.994
C3	266123.477	5765634.352	29.005
C4	266123.477	5765632.391	29.019
C5	266122.778	5765632.365	29.029
C6	266120.705	5765634.490	29.076
C7	266120.546	5765638.815	29.141
C8	266118.146	5765641.870	29.161
C9	266111.395	5765645.926	29.201
C10	266109.518	5765647.884	29.215
C11	266109.569	5765650.288	29.228
C12	266111.952	5765652.571	29.216
C13	266114.356	5765652.520	29.189
C14	266116.233	5765650.562	29.162
C15	266123.965	5765648.189	29.078
C16	266128.203	5765649.098	29.034

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
C1 - C2	80.000	5.800	8.098	1.357	1.007	1.984	1.744	2.025	29.014
C3 - C4	90.000	1.700	2.670	0.498	0.369	0.651	0.668	0.668	29.012
C5 - C6	90.000	2.000	3.142	0.586	0.434	0.785	0.649	0.785	29.052
C7 - C8	72.117	3.300	4.153	0.632	0.470	1.021	0.921	1.038	29.151
C8 - C9	30.439	15.000	7.969	0.526	0.394	1.986	1.951	1.992	29.181
C10 - C11	90.000	1.700	2.670	0.498	0.369	0.651	0.652	0.668	29.221
C12 - C13	90.000	1.700	2.670	0.498	0.369	0.651	0.552	0.668	29.203
C14 - C15	58.323	8.300	8.449	1.052	0.785	2.089	1.955	2.112	29.120

ALIGNMENT D

PT NO	EASTING	NORTHING	RL
D1	266132.112	5765639.862	29.345
D2	266131.882	5765639.813	29.338
D3	266130.165	5765638.477	29.312
D4	266126.637	5765631.346	29.078
D5	266122.166	5765629.662	28.857
D6	266101.885	5765638.024	28.211
D7	266097.624	5765636.707	28.130
D8	266097.055	5765635.839	28.100
D9	266098.309	5765635.016	28.067
D10	266098.878	5765635.885	28.093
D11	266101.313	5765636.637	28.174
D12	266121.594	5765628.276	28.819
D13	266127.981	5765630.681	29.040
D14	266131.510	5765637.812	29.274
D15	266132.196	5765638.346	29.301
D16	266132.426	5765638.396	29.307

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
D2 - D3	51.569	2.500	2.250	0.249	0.186	0.558	0.530	0.563	29.325
D4 - D5	86.081	3.500	5.258	0.942	0.698	1.284	1.105	1.315	28.967
D6 - D7	79.169	3.500	4.836	0.803	0.596	1.185	1.045	1.209	28.171
D10 - D11	79.169	2.000	2.764	0.459	0.340	0.677	0.597	0.691	28.133
D12 - D13	86.081	5.000	7.512	1.346	0.997	1.834	1.578	1.878	28.930
D14 - D15	51.569	1.000	0.900	0.100	0.074	0.223	0.212	0.225	29.288

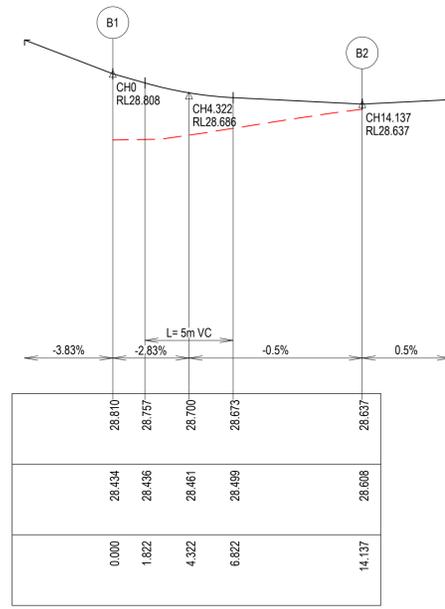


VERTICAL GEOMETRY  
DATUM RL27  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

LIP LINE A

ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	266184.244	5765644.371	28.509
A2	266173.441	5765651.948	28.810

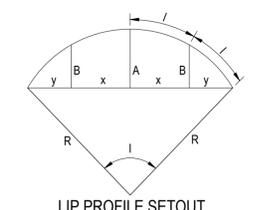


VERTICAL GEOMETRY  
DATUM RL27  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

LIP LINE B

ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	266172.139	5765658.521	28.810
B2	266179.052	5765669.208	28.637



LIP PROFILE SETOUT  
1:200 (H) 1:20 (V)  
H 2 0 2 4 6 8 10  
V 0.2 0 0.2 0.4 0.6 0.8 1

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NOTE  
FOR SIGNAGE & LINEMARKING  
PLAN REFER SHEETS R800.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

**villawood**  
properties  
Communities Designed for Living

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

**ARMSTRONG**  
MT DUNEED

**ARMSTRONG ESTATE - STAGE 70**  
**INTERSECTION DETAILS**  
**PERMIT NO. PP-1547-2021**

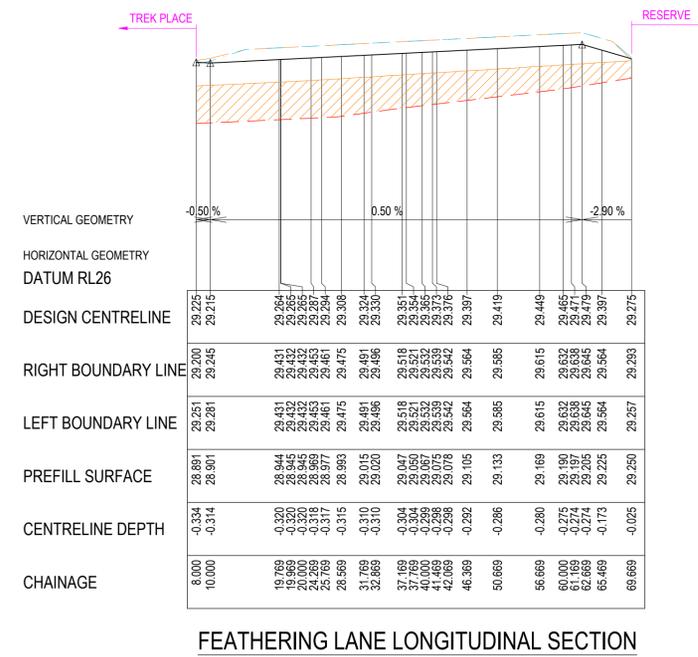
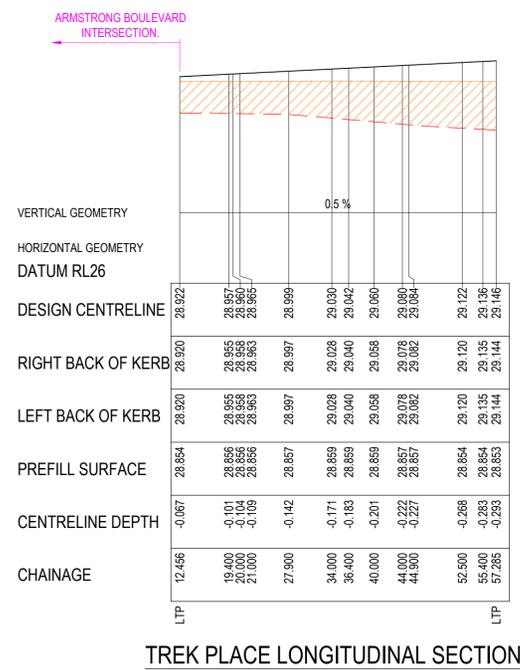
**ISSUED FOR APPROVAL**  
**NOT FOR CONSTRUCTION**  
SCALE @ A1:  
**AS SHOWN**

DESIGNED I.HOGAN	PROJECT ENGINEER J.RAMSAY PE0015586
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>180016.70</b>	DRAWING No. <b>R300</b>
REVISION <b>A</b>	

**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT BACK OF KERB
- RIGHT BACK OF KERB
- PREVIOUSLY PLACED CONTROLLED FILL

NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL



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A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

Communities Designed for Living

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

**ARMSTRONG ESTATE - STAGE 70**  
**LONGITUDINAL SECTIONS**  
**TREK PLACE & FEATHERING LANE**

**PERMIT NO. PP-1547-2021**

**ISSUED FOR APPROVAL**  
**NOT FOR CONSTRUCTION**

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

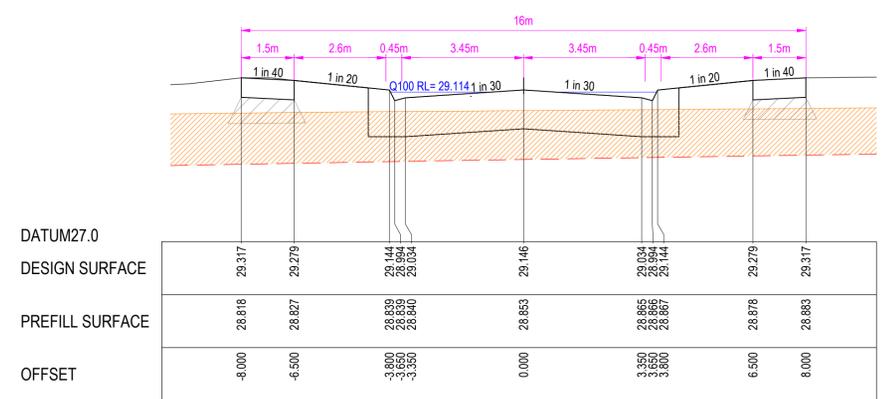
DESIGNED	I.HOGAN	PROJECT ENGINEER	J.RAMSAY PE0015586
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	<b>180016.70</b>	DRAWING No.	<b>R400</b>
REVISION			<b>A</b>

**LEGEND**

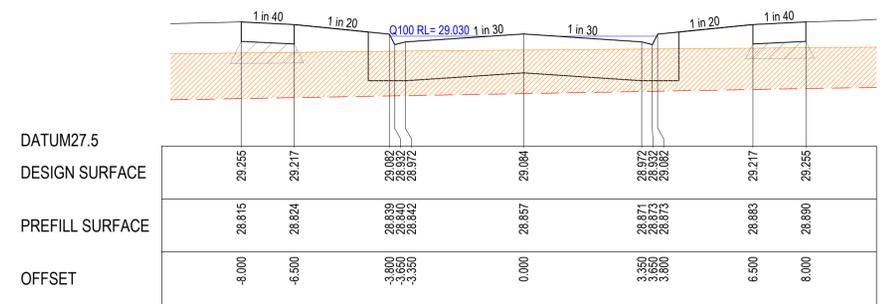
- EXISTING SURFACE
- DESIGN LINE
- /// PREVIOUSLY PLACED CONTROLLED FILL
- Q100

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

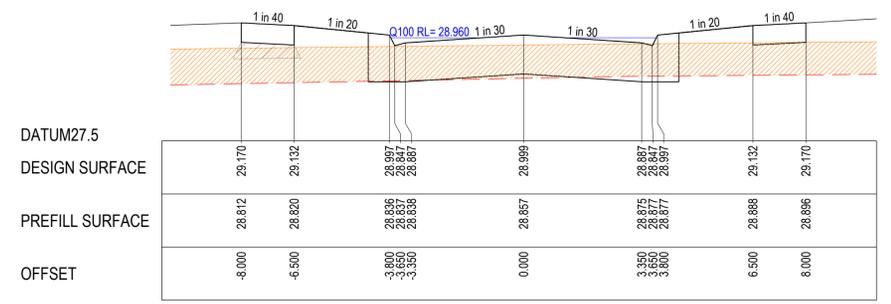
**NOTE:**  
"SELECT FILL" EXTENDING 200mm BELOW NATURAL SURFACE REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL IS TO BE TO LEVEL 1 STANDARD AND IN ACCORDANCE WITH SECTION 7.4 OF "REPORT ON GEOTECHNICAL INVESTIGATION CORIDALE ESTATE" PREPARED BY DOUGLAS PARTNERS (FILE NAME: 87082.00.R.001.REV0, DATE 01/03/2022)



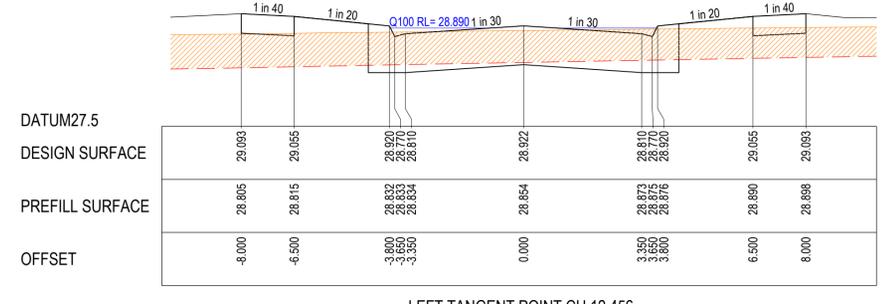
LEFT TANGENT POINT CH 57.285



CH 44.900

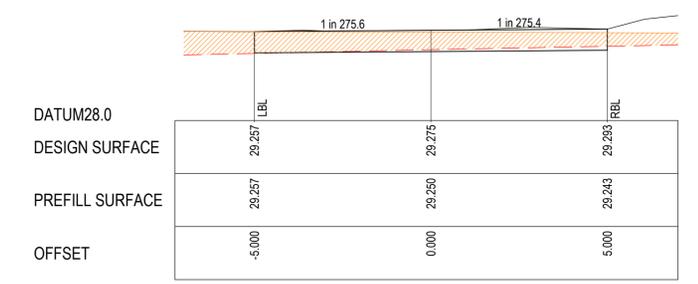


CH 27.900

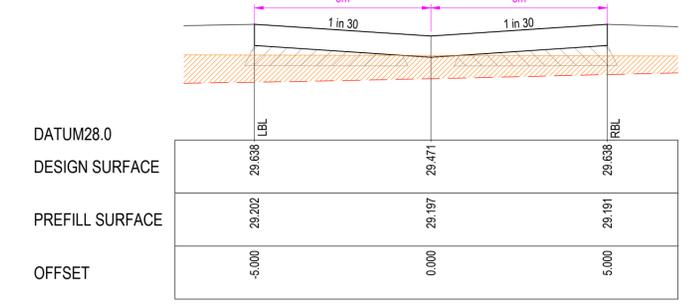


LEFT TANGENT POINT CH 12.456

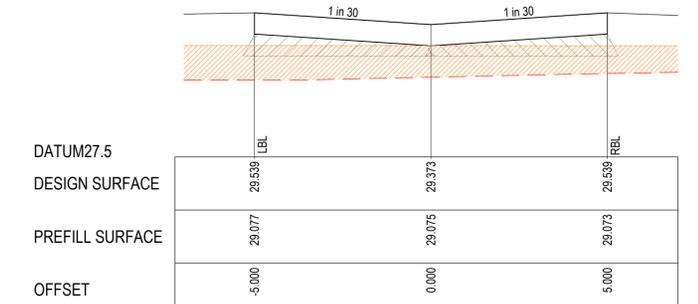
**TREK PLACE**



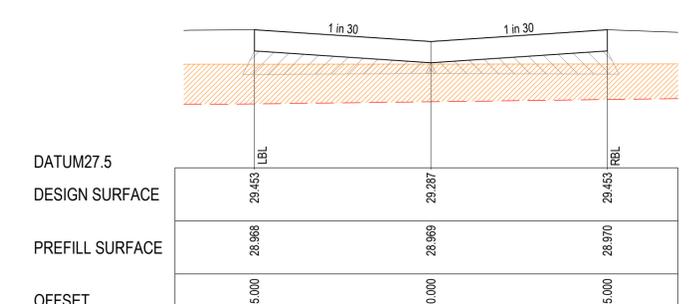
CH 69.669



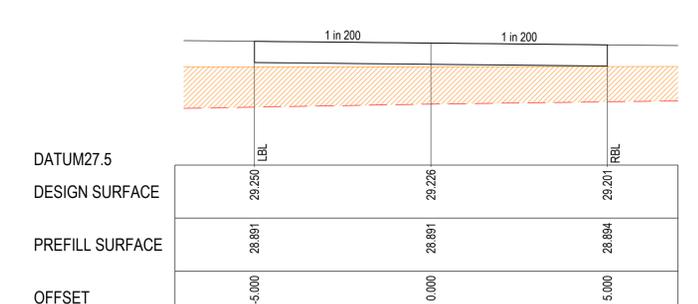
CH 61.169



CH 41.469



CH 24.269



CH 8.000

**FEATHERING LANE**

**WARNING**  
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**BEFORE YOU DIG**  
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	10.11.2025	ADDED SELECT FILL BELOW PAVEMENT AND PATHS	J.RAMSAY	J.RAMSAY	M.TROUNCE
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

**villawood properties**  
Communities Designed for Living

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

**ARMSTRONG**  
MT DUNNEED

DRAWING TITLE  
**ARMSTRONG ESTATE - STAGE 70 ROAD CROSS SECTIONS TREK PLACE & FEATHERING LANE**  
PERMIT NO. PP-1547-2021

STATUS  
**ISSUED FOR APPROVAL NOT FOR CONSTRUCTION**  
SCALE @ A1: 1:100 (H) 1:50 (V)

DESIGNED	I.HOGAN	PROJECT ENGINEER	J.RAMSAY PE0015586
DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	<b>180016.70</b>	DRAWING No.	<b>R500</b>
REVISION			<b>B</b>

**NOTE:**  
PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITS WITHIN ROAD RESERVE ARE TO BE CLASS B FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

**NOTES**

- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
  - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
  - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

**WARNING**  
**Beware of Underground & Overhead Services**  
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CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

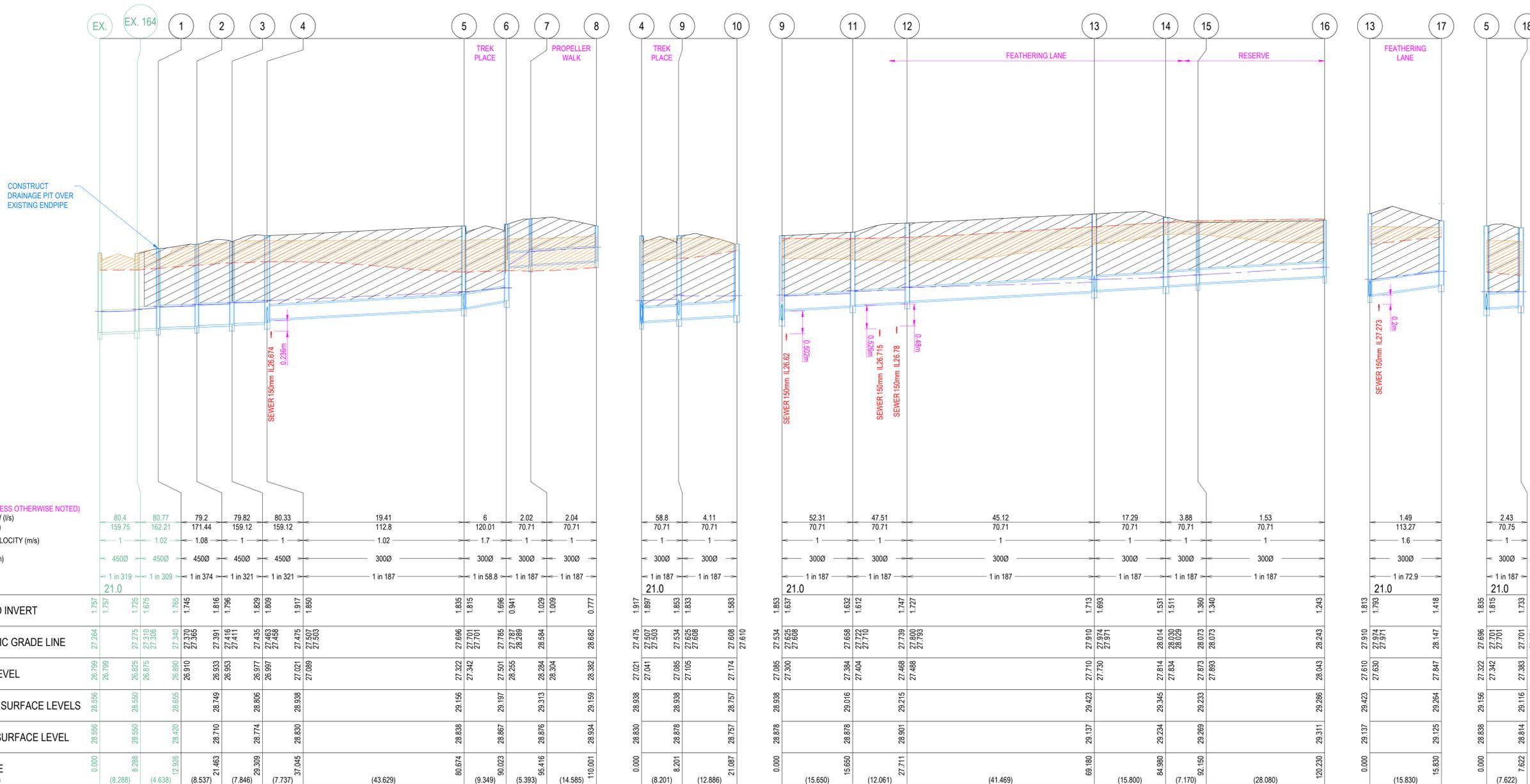
GREATER GEELONG CITY COUNCIL  
PLANNING ENVIRONMENT ACT 1987  
GREATER GEELONG PLANNING SCHEME

Endorsed Plan  
Planning Permit No: PP-1547-2021  
Sheet 8 of 15  
Approved By MT on behalf of Adam F.  
Approved Date 18/03/2026

NOTE: THIS IS NOT A BUILDING APPROVAL

**LEGEND**

- EXISTING SURFACE
  - DESIGN SURFACE
  - DRAINAGE PIPE/PIT
  - EXISTING DRAINAGE PIPE/PIT
  - HYDRAULIC GRADE LINE
  - CRUSHED ROCK BACKFILL
  - PREVIOUSLY PLACED CONTROLLED FILL
- NOTE: ALL DRAINAGE PIPES ARE CLASS 2 TYPE UNLESS OTHERWISE SHOWN



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)				
1	JUNCTION PIT	900	600	450	26.910	450	26.890	28.655	1.765	IDM SD 400 & 420	CONSTRUCT DRAINAGE PIT OVER EXISTING ENDBE
2	JUNCTION PIT	900	900	450	26.953	450	26.933	28.749	1.816	IDM SD 410 & 420	HAUNCHED TO 600x900 COVER.
3	JUNCTION PIT	900	900	450	26.997	450	26.977	28.806	1.829	IDM SD 410 & 420	HAUNCHED TO 600x900 COVER.
4	SIDE ENTRY PIT	600	900	300	27.089	450	27.021	28.938	1.917	IDM SD 400 & 430	
				300	27.041						
5	SIDE ENTRY PIT	600	900	300	27.342	300	27.322	29.156	1.835	IDM SD 400 & 430	
				300	27.342						
6	SIDE ENTRY PIT	600	900	300	28.255	300	27.501	29.197	1.696	IDM SD 400 & 430	
7	GRATED JUNCTION PIT	450	450	300	28.304	300	28.284	29.313	1.029	IDM SD 400 & 495	
8	GRATED JUNCTION PIT	450	450			300	28.382	29.159	0.777	IDM SD 400 & 495	
9	SIDE ENTRY PIT	600	900	300	27.105	300	27.085	28.938	1.853	IDM SD 400 & 430	
				300	27.300						
10	SIDE ENTRY PIT	600	900			300	27.174	28.757	1.583	IDM SD 400 & 430	
11	SIDE ENTRY PIT	600	900	300	27.404	300	27.384	29.016	1.632	IDM SD 400 & 430	
12	GRATED JUNCTION PIT	600	900	300	27.488	300	27.468	29.215	1.747	IDM SD 400 & 455	
13	GRATED JUNCTION PIT	600	900	300	27.730	300	27.710	29.423	1.713	IDM SD 400 & 455	
				300	27.730						
14	GRATED JUNCTION PIT	600	900	300	27.834	300	27.814	29.345	1.531	IDM SD 400 & 455	
15	GRATED JUNCTION PIT	450	450	300	27.893	300	27.873	29.233	1.360	IDM SD 400 & 495	
16	GRATED JUNCTION PIT	450	450			300	28.043	29.286	1.243	IDM SD 400 & 495	
17	GRATED JUNCTION PIT	600	900			300	27.847	29.264	1.418	IDM SD 400 & 455	
18	SIDE ENTRY PIT	600	900			300	27.383	29.116	1.733	IDM SD 400 & 430	

- NOTES**
- PIT SETOUT LEVEL IS TO PIT COVER LEVEL
  - UNLESS NOTED OTHERWISE, PITS SHALL BE CONSTRUCTED AS PER BELOW
  - ALL PITS LARGER THAN 600x900 TO BE HAUNCHED IN ACCORDANCE WITH IDM STANDARD DRAWING SD 410
  - ALL PITS LARGER THAN 600x900 TO BE HAUNCHED IN ACCORDANCE WITH IDM STANDARD DRAWING SD 410
  - PIT HAUNCHED IN TWO DIRECTIONS ARE TO BE STRUCTURALLY DESIGNED BY PRE-CAST PIT MANUFACTURER
  - ALL JUNCTION PITS IN ROAD RESERVES TO BE CONSTRUCTED IN ACCORDANCE WITH IDM STANDARD DRAWING SD 420
  - ALL JUNCTION PITS IN LOT EASEMENTS TO BE CONSTRUCTED IN ACCORDANCE WITH IDM STANDARD DRAWING SD 426
  - ALL SIDE ENTRY PITS TO BE CONSTRUCTED IN ACCORDANCE WITH IDM STANDARD DRAWING SD 430 & SD 445
  - ALL PITS EXTERNAL TO STAGE WORKS ARE TO BE POSITIONED AND ORIENTED TO SUIT FUTURE KERB AND CHANNEL
  - ALL EXISTING PITS TO BE ADJUSTED TO SUIT NEW KERB AND CHANNEL, FINISHED SURFACE LEVEL AND GRADE

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	10.11.2025	UPDATED PIT 2-3 TO 900x900	J.RAMSAY	J.RAMSAY	M.TROUNCE
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE



Communities Designed for Living



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



DRAWING TITLE  
**ARMSTRONG ESTATE - STAGE 70  
 PIT SCHEDULE**

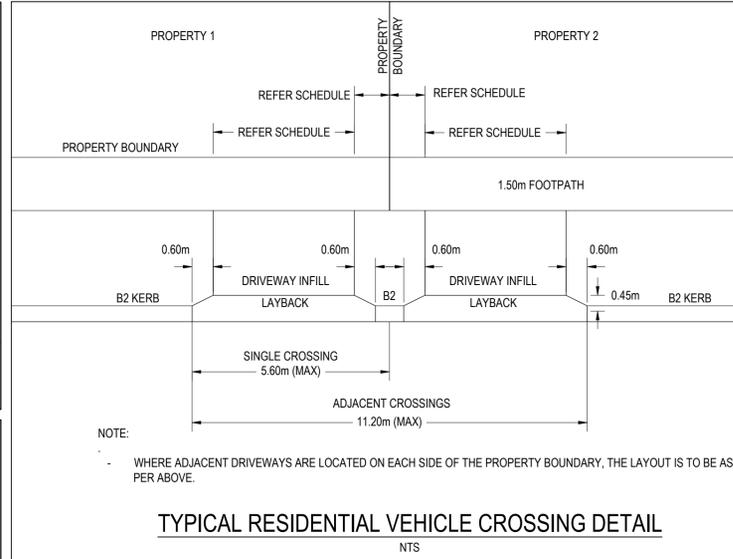
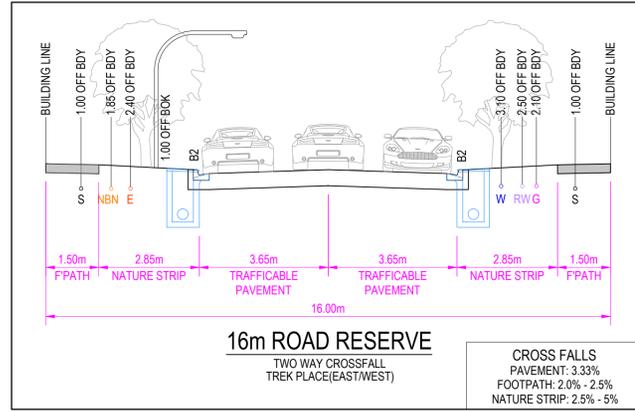
PERMIT NO. PP-1547-2021

STATUS  
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 NOT FOR CONSTRUCTION**

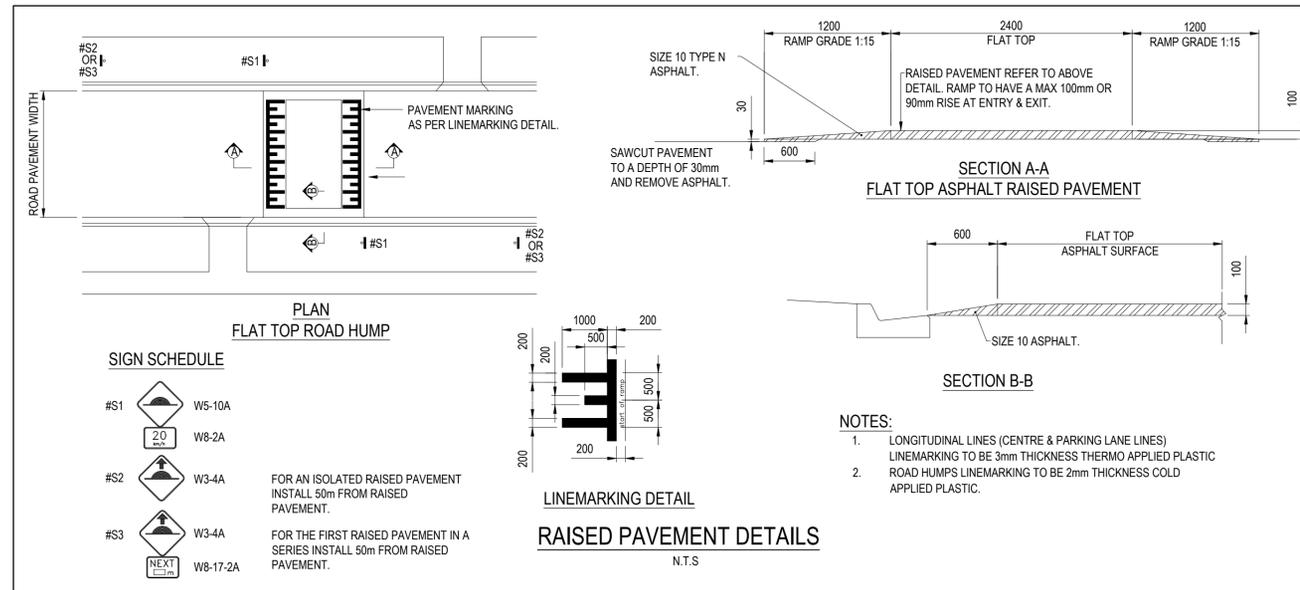
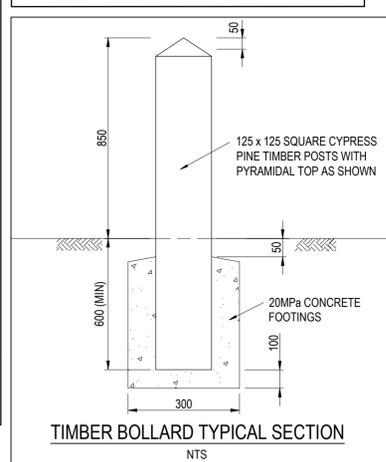
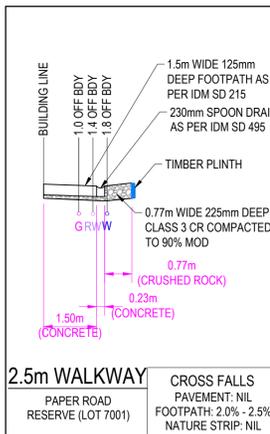
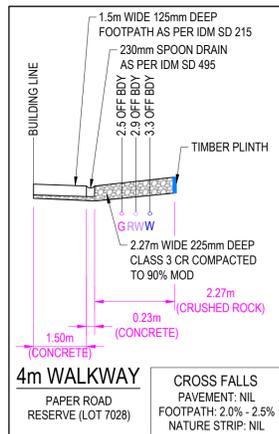
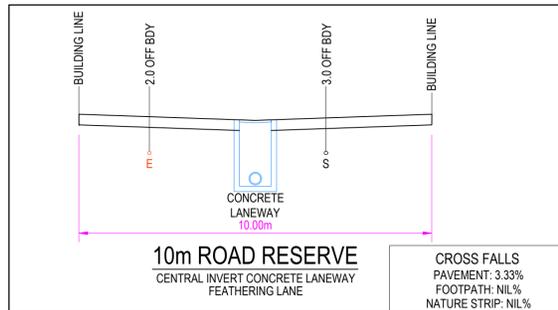
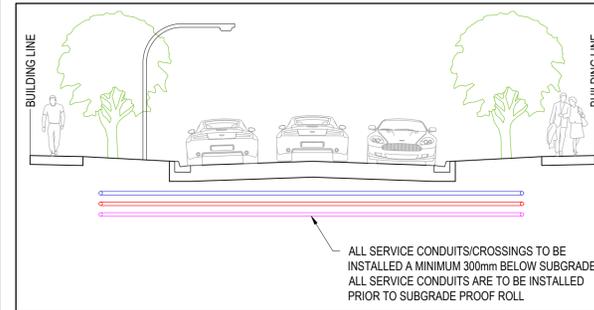
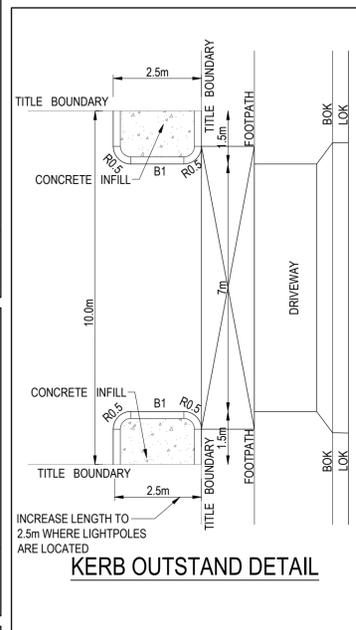
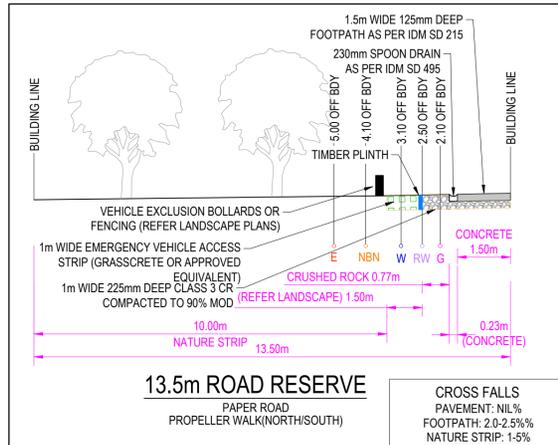
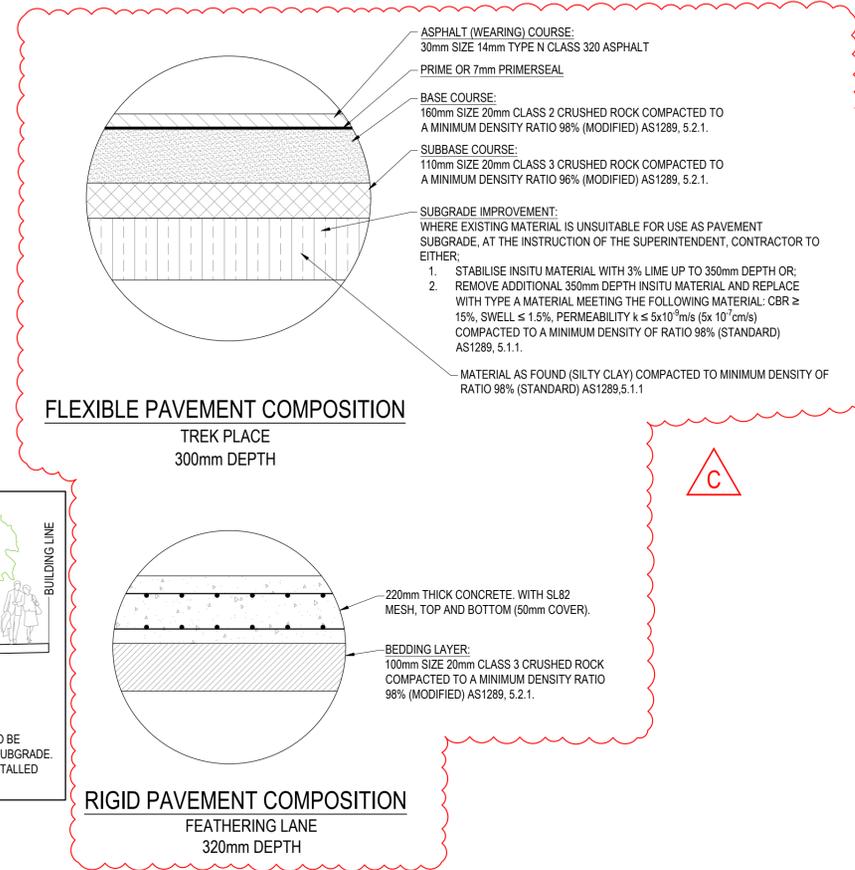
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DESIGNED I.HOGAN	PROJECT ENGINEER J.RAMSAY PE0015586
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>180016.70</b>	DRAWING No. <b>R601</b>
	REVISION <b>B</b>



**PAVEMENT NOTE**  
THE CITY OF GREATER GEELONG DOES NOT ACCEPT UTILISATION OF RECYCLED CONCRETE WITHIN PAVEMENT LAYERS



**WARNING**  
**BWARE OF UNDERGROUND & OVERHEAD SERVICES**  
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
C	12.02.2026	PAVEMENT PROFILES UPDATED	I.HOGAN	J.RAMSAY	M.TROUNCE
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

**ARMSTRONG ESTATE - STAGE 70**  
**TYPICAL DETAILS**

PERMIT NO. PP-1547-2021

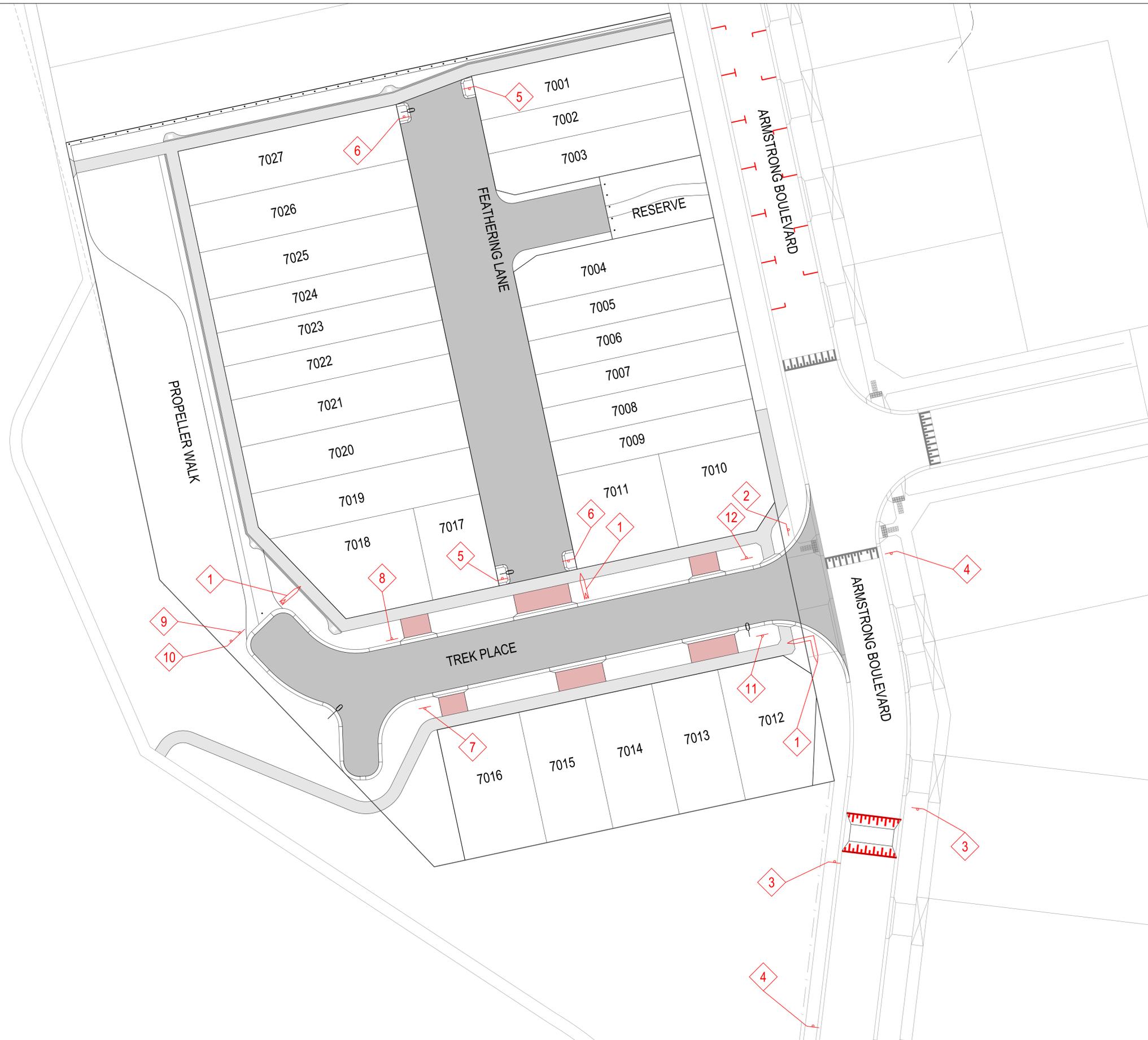
STATUS

**ISSUED FOR APPROVAL**  
**NOT FOR CONSTRUCTION**

SCALE @ AT:

AS SHOWN

DESIGNED	PROJECT ENGINEER	
I.HOGAN	J.RAMSAY PE0015586	
DRAWN	PROJECT MANAGER	
I.HOGAN	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
180016.70	R700	C



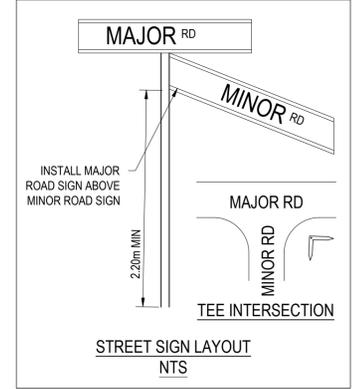
- LINEMARKING & SIGNAGE NOTES:**
- ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
  - LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED 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.

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

**GREATER GEELONG CITY COUNCIL  
PLANNING ENVIRONMENT ACT 1987  
GREATER GEELONG PLANNING SCHEME**

Endorsed Plan  
Planning Permit No: PP-1547-2021  
Sheet 11 of 15  
Approved By MT on behalf of Adam F.  
Approved Date 18/03/2026

**NOTE: THIS IS NOT A BUILDING APPROVAL**



**STREET SIGN SCHEDULE**

ARMSTRONG BVD	1No.
TREK PL	1No.
FEATHERING LANE	1No.
PROPELLER WALK	1No.

**SIGN SCHEDULE**

SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN (G5 SERIES)		
	2	1 No.
	3	2 No.
	4	2 No.
	5	2 No.
	6	2 No.
	7	1 No.
	8	1 No.
	9	1 No.
	10	1 No.
	11	1 No.
	12	1 No.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
B	10.11.2025	ADDED NO PARKING FOR BIN PICKUP			
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

**villawood properties**  
Communities Designed for Living

**creo CIVIL**

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

**ARMSTRONG**  
MT DUNEED

**ARMSTRONG ESTATE - STAGE 70  
SIGNAGE & LINEMARKING**

**PERMIT NO. PP-1547-2021**

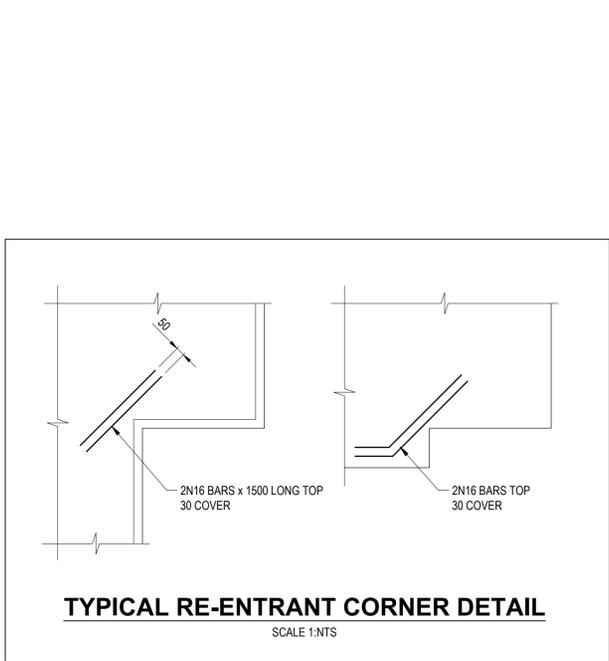
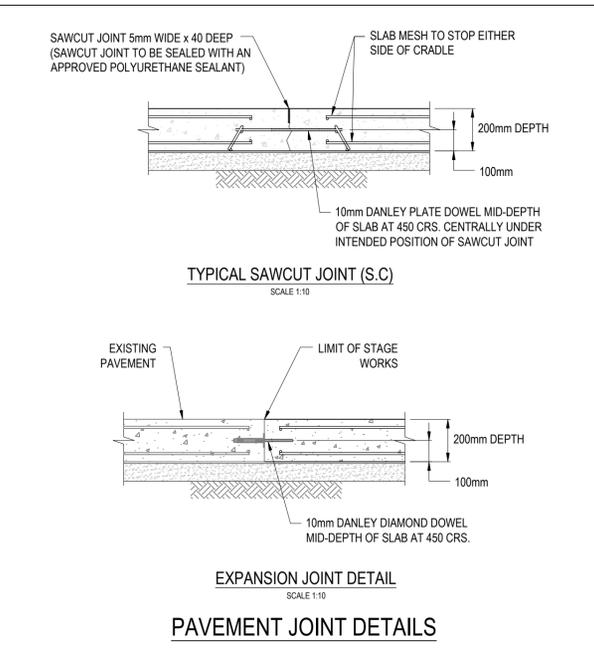
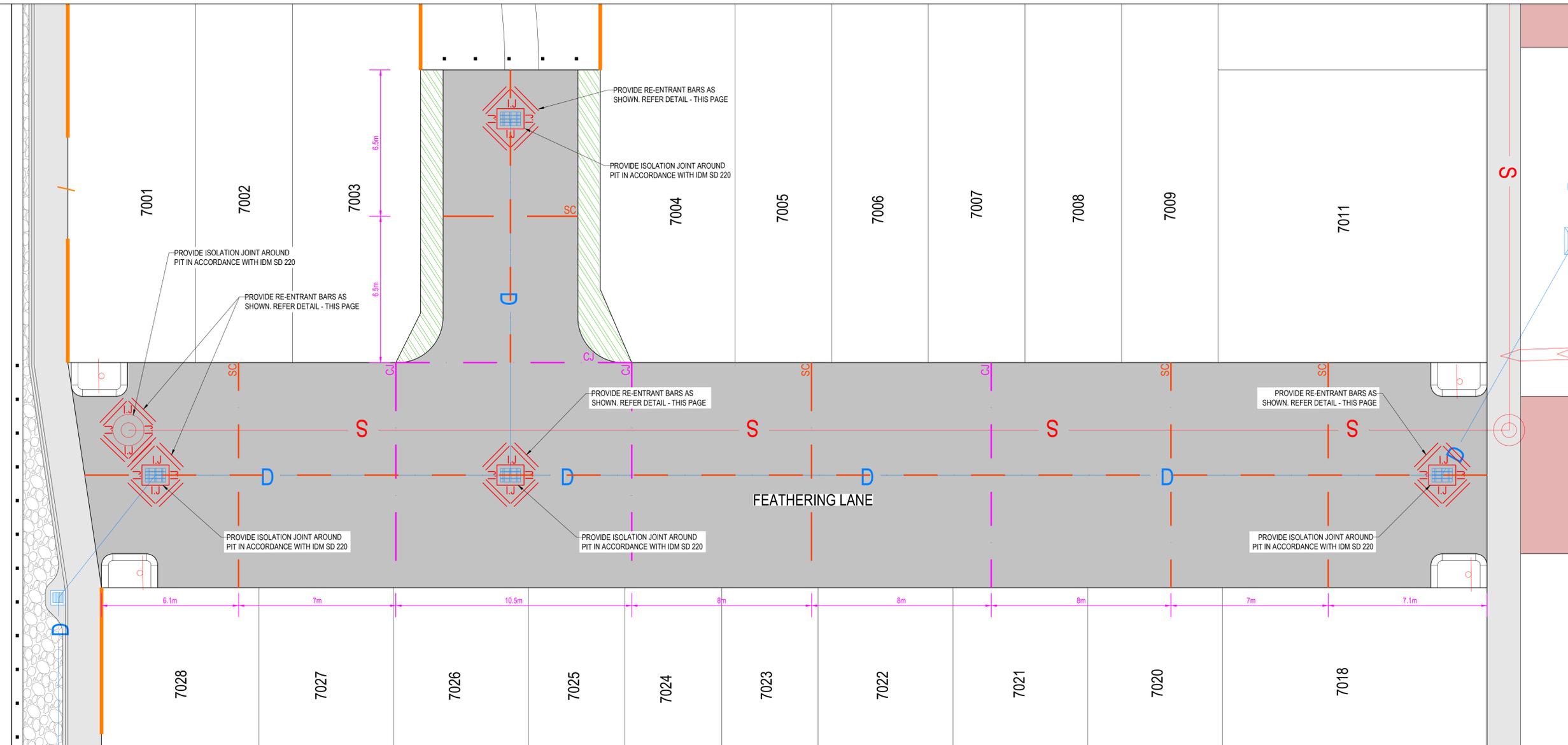
**ISSUED FOR APPROVAL  
NOT FOR CONSTRUCTION**

SCALE @ A1 : 1:250

DESIGNED I.HOGAN	PROJECT ENGINEER J.RAMSAY PE0015586
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>180016.70</b>	DRAWING No. <b>R800</b>
	REVISION <b>B</b>

NOTE: THIS IS NOT A BUILDING APPROVAL

- LEGEND - CONCRETE JOINTING PLAN
- STORMWATER DRAIN & PIT
  - EXISTING STORMWATER DRAIN
  - SEWER AND STRUCTURES
  - EXISTING SEWER
  - HOUSE DRAIN
  - TACTILE PAVERS
  - PROPOSED PAVEMENT, KERB AND CHANNEL, FOOTPATH AND DRIVEWAY
  - ISOLATION JOINT
  - CONSTRUCTION JOINT
  - SAWCUT JOINT



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ARMSTRONG ESTATE - STAGE 70  
 CONCRETE JOINTING PLAN

PERMIT NO. PP-1547-2021

STATUS

**ISSUED FOR APPROVAL  
 NOT FOR CONSTRUCTION**

SCALE @ A1: 1:100

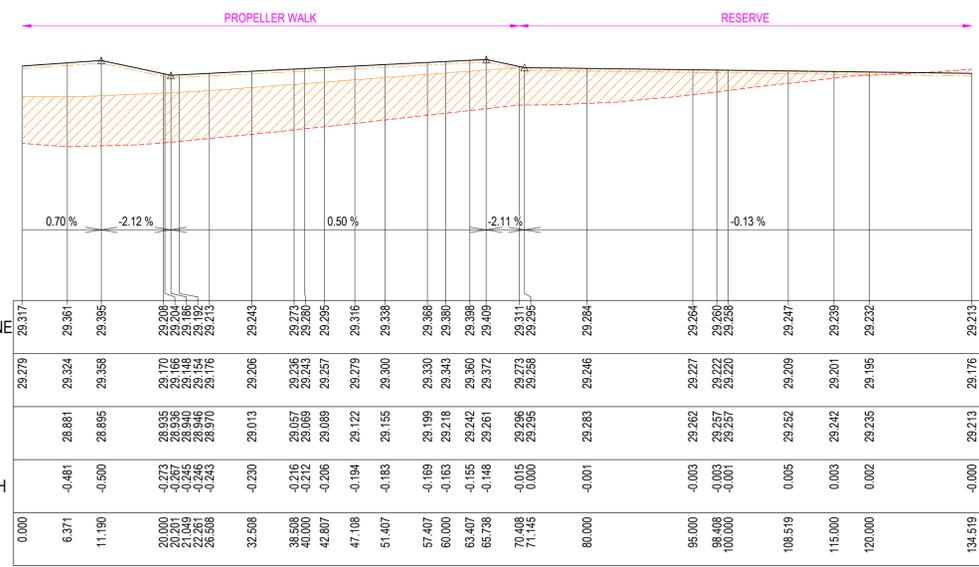
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DRAWN	I.HOGAN	PROJECT MANAGER	M.TROUNCE
PROJECT No.	180016.70	DRAWING No.	R900
REVISION	A		

**LEGEND - SECTION**

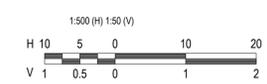
- - - - - EXISTING SURFACE
  - DESIGN LINE
  - - - - - FUTURE DESIGN LINE
  - FRONT OF PATH
  - ▨ PREVIOUSLY PLACED CONTROLLED FILL
  - ⊙ INTERSECTION POINT
- NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL

**LEGEND - INTERSECTION PLAN**

- ⊙ STORMWATER DRAIN & PIT
- ▨ TACTILE PAVERS
- ▨ PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- - - - - CROWN/GRADELINE
- MINOR CONTOUR 0.05m INTERVAL
- MAJOR CONTOUR 0.1m INTERVAL



PROPELLER WALK LONGITUDINAL SECTION



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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

**villawood**  
 properties  
 Communities Designed for Living

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

**ARMSTRONG**  
 MT DUNEED

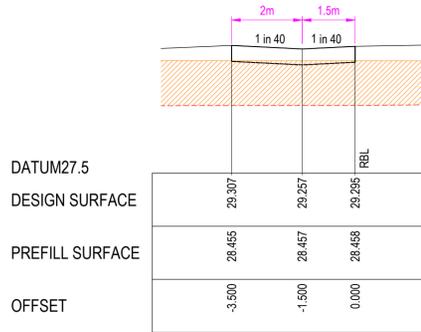
DRAWING TITLE  
**ARMSTRONG ESTATE - STAGE 70  
 PROPELLER WALK DETAIL PLAN**  
 PERMIT NO. PP-1547-2021

STATUS  
**ISSUED FOR APPROVAL  
 NOT FOR CONSTRUCTION**  
 SCALE @ A1:  
**AS SHOWN**

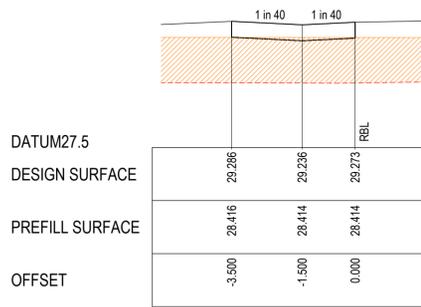
DESIGNED I.HOGAN	PROJECT ENGINEER J.RAMSAY PE0015586
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>180016.70</b>	DRAWING No. <b>R1000</b>
	REVISION <b>A</b>

LEGEND

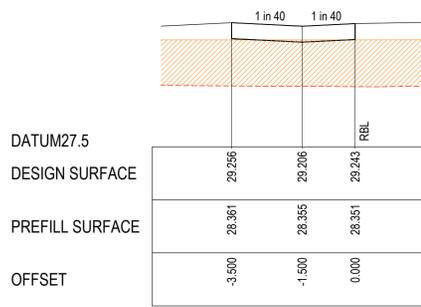
-  EXISTING SURFACE
-  DESIGN LINE
-  PREVIOUSLY PLACED CONTROLLED FILL
-  Q100



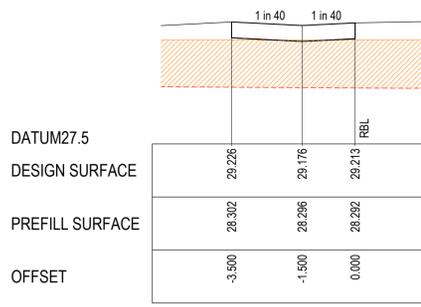
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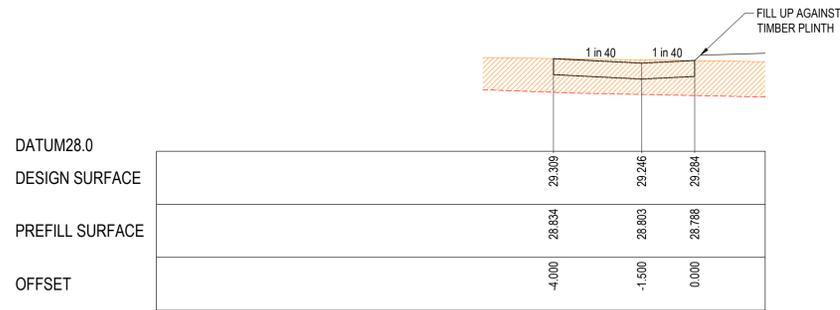
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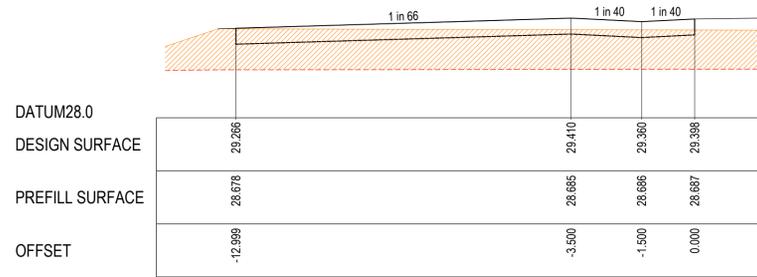
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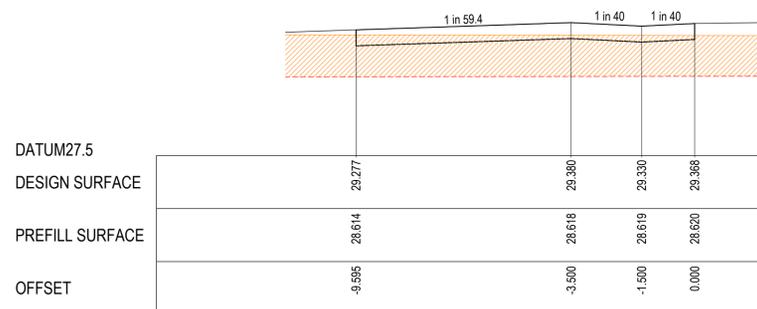
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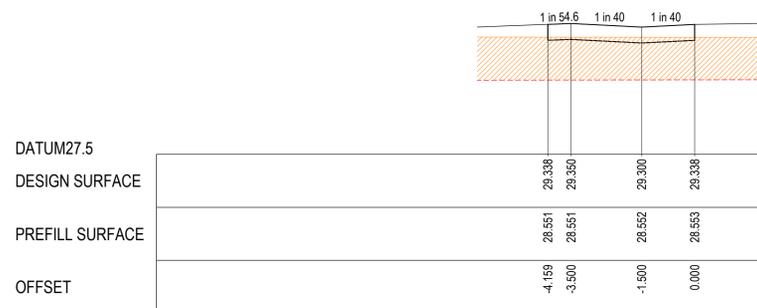
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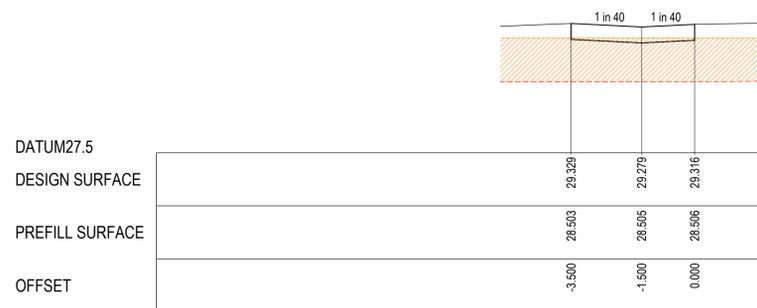
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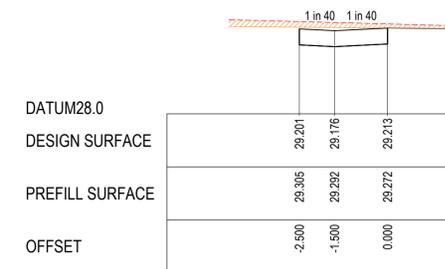
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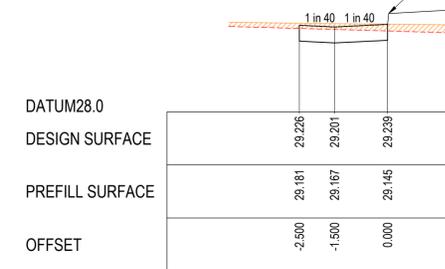
CH 51.407



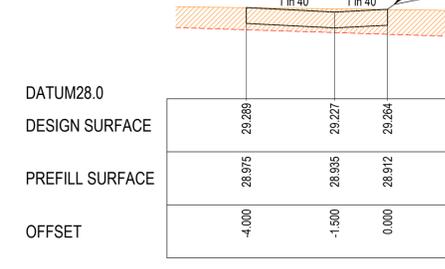
CH 47.107



CH 134.519



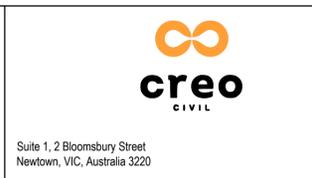
CH 115.000



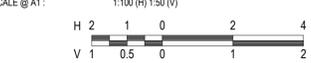
CH 95.000

**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](http://www.byda.com.au)

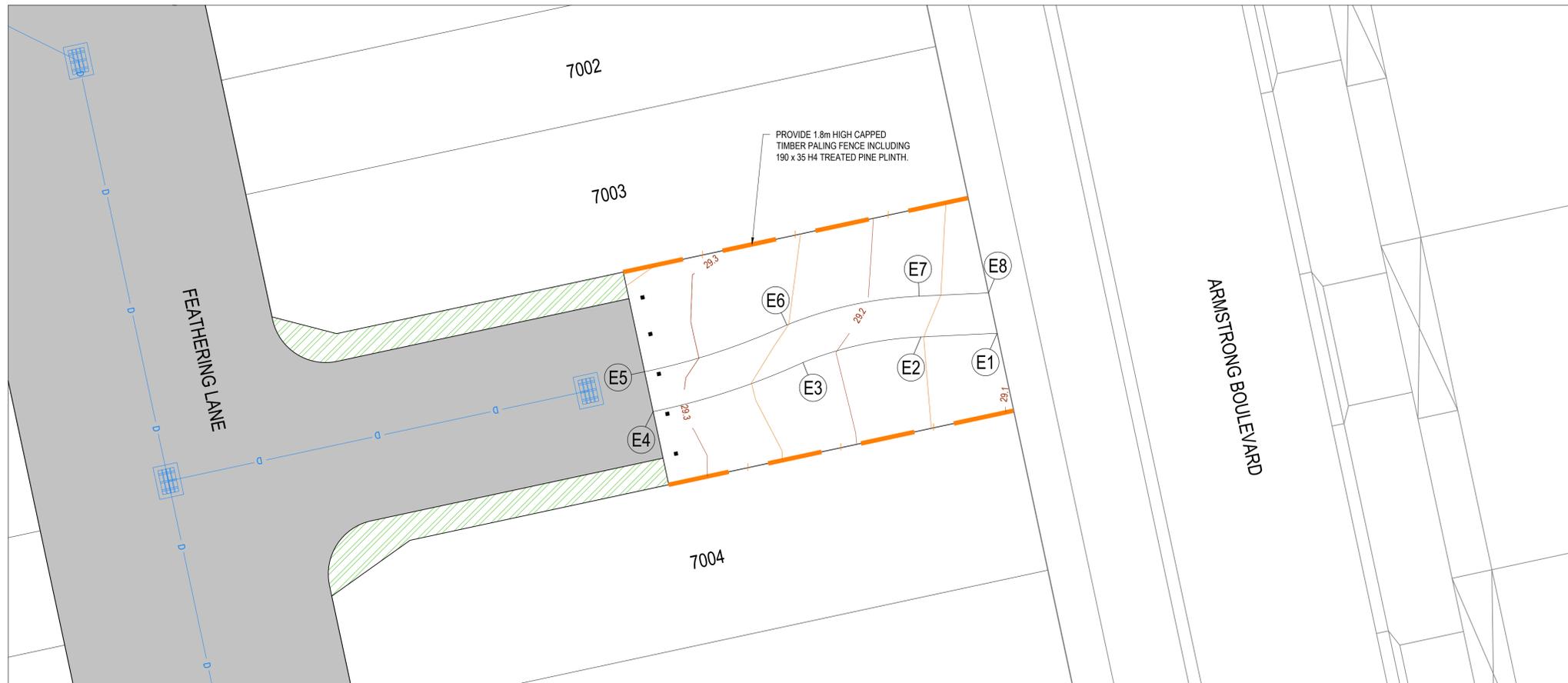
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE



DRAWING TITLE  
**ARMSTRONG ESTATE - STAGE 70  
PROPELLER WALK CROSS SECTIONS**  
  
PERMIT NO. PP-1547-2021

STATUS  
**ISSUED FOR APPROVAL  
NOT FOR CONSTRUCTION**  
  
SCALE @ A1: 1:100 (H) 1:50 (V)  


DESIGNED I.HOGAN	PROJECT ENGINEER J.RAMSAY PE0015586
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>180016.70</b>	DRAWING No. <b>R1001</b>
	REVISION <b>A</b>



ALIGNMENT E

PT NO	EASTING	NORTHING	RL
E1	266166.531	5765705.414	29.109
E2	266163.724	5765705.281	29.152
E3	266159.374	5765704.342	29.219
E4	266153.852	5765702.535	29.329
E5	266153.538	5765704.002	29.329
E6	266158.782	5765705.721	29.251
E7	266163.655	5765706.780	29.165
E8	266166.212	5765706.900	29.117

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
E2 - E3	19.277	13.289	4.471	0.188	0.141	1.116	1.109	1.118	29.185
E3 - E4	12.845	25.968	5.822	0.163	0.122	1.455	1.450	1.455	29.263
E5 - E6	12.950	24.468	5.530	0.196	0.117	1.382	1.377	1.383	29.290
E6 - E7	19.413	14.789	5.011	0.212	0.159	1.251	1.242	1.253	29.211

**WARNING**  
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
A	20/08/25	ISSUED FOR APPROVAL	I.HOGAN	J.RAMSAY	M.TROUNCE

**villawood properties**  
 Communities Designed for Living

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

**ARMSTRONG**  
 MT DUNEED

**ARMSTRONG ESTATE - STAGE 70**  
**MUNICIPAL RESERVE DETAIL PLAN**  
 PERMIT NO. PP-1547-2021

**ISSUED FOR APPROVAL**  
**NOT FOR CONSTRUCTION**  
 SCALE @ A1:  
**AS SHOWN**

DESIGNED I.HOGAN	PROJECT ENGINEER J.RAMSAY PE0015586
DRAWN I.HOGAN	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>180016.70</b>	DRAWING No. <b>R1100</b>
	REVISION <b>A</b>