71 Mills Road Stage 2

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GENERAL NOTES

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT BAW BAW SHIRE COUNCIL AND IDM STANDARD DRAWING SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
   - 3.1. COMPLY WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 2007.
   - 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF THEIR INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
   - 3.3. ENSURE THAT THE MINE MANAGER OR THEIR DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER.
7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
8. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (MGA2020 ZONE 55).
9. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP AND GRADED OVER. ALL RUBBISH IS TO BE REMOVED AND THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.

EARTHWORKS NOTES

10. EROSION CONTROL MEASURES MUST BE UNDERTAKEN TO THE SATISFACTION OF THE CARDINIA SHIRE COUNCIL.
11. FILLING IN PROPERTIES IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL AND ALL VEGETABLE MATTER TO BE STRIPPED FROM FILL SITE PRIOR TO FILLING. ALL FILLING TO COMPLY WITH AS 3798/1996, APPENDIX B, LEVEL 1. INDIVIDUAL LOT CERTIFICATES TO BE PROVIDED TO THE SUPERINTENDENT.
12. BLOCKS SHALL BE GRADED TO ENSURE A MINIMUM GRADE OF 1 IN 150 DIAGONALLY TO THE POINT OF DRAINAGE, UNLESS SHOWN OTHERWISE.
13. BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 3 CUT AND 1 IN 5 FILL UNLESS SHOWN OTHERWISE.
14. THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL. IF THE EXISTING SOIL IS UNSUITABLE THEN APPROVED SOIL SHALL BE IMPORTED AT THE CONTRACTOR'S EXPENSE.
15. NO TOPSOIL TO BE REMOVED FROM SITE WITHOUT THE APPROVAL OF COUNCIL.

PAVEMENT NOTES

16. ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE SUPERINTENDENT.
17. ALL PAVEMENT MATERIALS TO BE VICROADS APPROVED MATERIALS.
18. PAVEMENT SUB-BASE AND BEDDING TO KERB AND CHANNEL IS TO EXTEND 150mm AS PER IDM SD 145.
19. FOOTPATH TO BE 125mm DEPTH REINFORCED CONCRETE IN ACCORDANCE WITH IDM SD 200 AND 205.
20. DRIVEWAYS ARE TO BE CONSTRUCTED AS PER IDM SD 240, 245 AND 250 AND TO BE CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES.
21. ON THE HIGH SIDE OF THE ROAD, DRIVEWAYS TO BE EXCAVATED AT MAX 1 IN 5 GRADE INSIDE THE PROPERTY.

DRAINAGE NOTES

22. STORMWATER DRAINS TO BE RUBBER RING JOINTED CLASS 2 RCP UNLESS NOTED OTHERWISE.
23. STORMWATER DRAINS UNDER ROAD PAVEMENTS, CONCRETE PAVING AND KERB AND CHANNEL TO BE BACKFILLED WITH 20mm CLASS 2 CRUSHED ROCK. ALL OTHER DRAINS WITHIN THE ROAD RESERVE ARE TO BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK.
24. HOUSE DRAINS ARE TO BE CONNECTED DIRECT TO AN UNDERGROUND DRAIN OR PIT AND CONSTRUCTED AT A MINIMUM DEPTH OF 600mm BELOW THE LOWEST CORNER LEVEL IN ACCORDANCE WITH IDM SD 515.
25. PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE SHOWN. INVERT LEVEL OF PROPERTY INLET IS TO BE A MINIMUM OF 600mm BELOW FINISHED/EXISTING SURFACE LEVEL IN ACCORDANCE WITH IDM SD 520.
26. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND ALL KERB AND CHANNEL IN ACCORDANCE WITH IDM SD 145.
27. ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES.
28. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

SERVICES NOTES

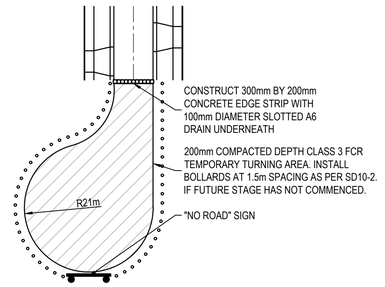
29. THE CONTRACTOR SHALL CO-OPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE.
30. THE CONTRACTOR SHALL CHECK WITH THE SUPERINTENDENT THE EXACT LOCATION OF ALL SERVICES PRIOR TO THE INSTALLATION OF CONDUITS UNLESS NOTED OTHERWISE.
31. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT.
32. GAS AND WATER CONDUITS TO BE 50mm DIA. HEAVY DUTY P.V.C. LAID AT A MINIMUM DEPTH OF 600mm BELOW ROAD FINISHED SURFACE LEVELS. THEY ARE TO BE PLACED MINIMUM OF 5m FROM BOUNDARIES WHERE POSSIBLE AND TO THE SATISFACTION OF THE SUPERINTENDENT.
33. ELECTRICAL CONDUITS ARE TO BE PROVIDED IN ACCORDANCE WITH APPROVED ELECTRICAL PLANS.
34. NBN CONDUITS AND PITS ARE TO BE PROVIDED IN ACCORDANCE WITH APPROVED NBN PLANS.
35. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G, W, E & T ABOVE CONDUIT LOCATIONS AS SPECIFIED.

GAS NOTES

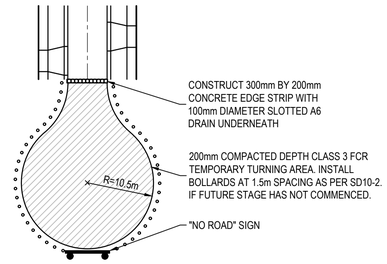
36. GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY THE GAS AUTHORITY.
37. EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
38. TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE GAS AUTHORITY.

SIGNS AND PAVEMENT MARKINGS

39. ALL LINEMARKING, SIGNING & TRAFFIC CONTROL DEVICES FOR THIS PROJECT TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742. ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC PAINT.
40. ALL STREET SIGNS ARE TO BE TO CURRENT BAW BAW SHIRE COUNCIL STANDARDS.
41. STREET NUMBERS TO BE PAINTED IN YELLOW ROAD MARKING PAINT ON KERB FACE IN FRONT OF EACH ALLOTMENT. NUMBERS TO BE A MINIMUM 100mm IN HEIGHT.
42. INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRRPM) ON ROAD CENTRE LINE AND 'GROUND BALL' MARKER POST TO INDICATE LOCATION OF FIRE HYDRANTS.



TEMPORARY TURN AREA DETAIL
NOT TO SCALE



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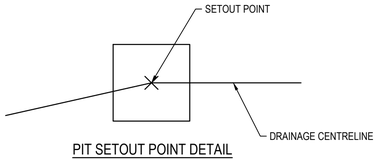

PIT SETOUT POINT DETAIL
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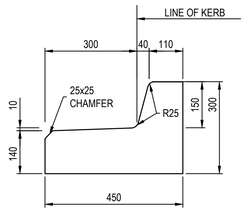

B3 KERB DETAIL
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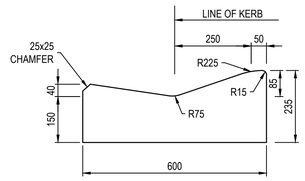
IDM



SM2-M KERB DETAIL
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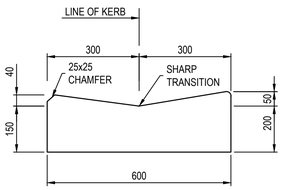
IDM



M2 KERB DETAIL
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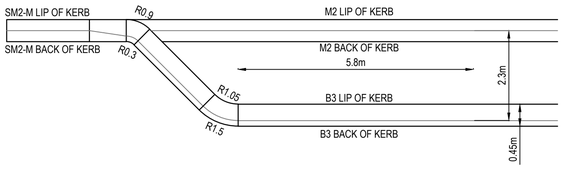

TYPICAL PARKING BAY DETAIL
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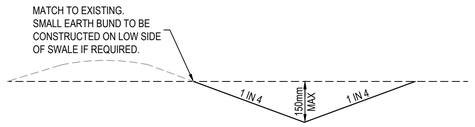

TYPICAL TEMPORARY CUTOFF DRAIN
NOT TO SCALE

WARNING

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BEWARE OF UNDERGROUND SERVICES

The location of underground services is approximate only and the exact position should be proven on site. No guarantee is given that all existing services are shown. Contractor to locate all underground services prior to commencement of works.

BEWARE OF ASBESTOS

Underground services may be constructed from asbestos containing material. Contractor to manage potential asbestos hazard in line with relevant authority and EPA standards.

SAFETY MEASURES REQUIRED

For potential risks, consequences and controls refer to Safety In Design Risk Register SID P4.E6. 2747E-71M-002-500

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	10.03.26	EXISTING STAGE 1 LOT LAYOUT AMENDED	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
D	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
E	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Cover Plan & General Notes

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-101	01 of 17	E

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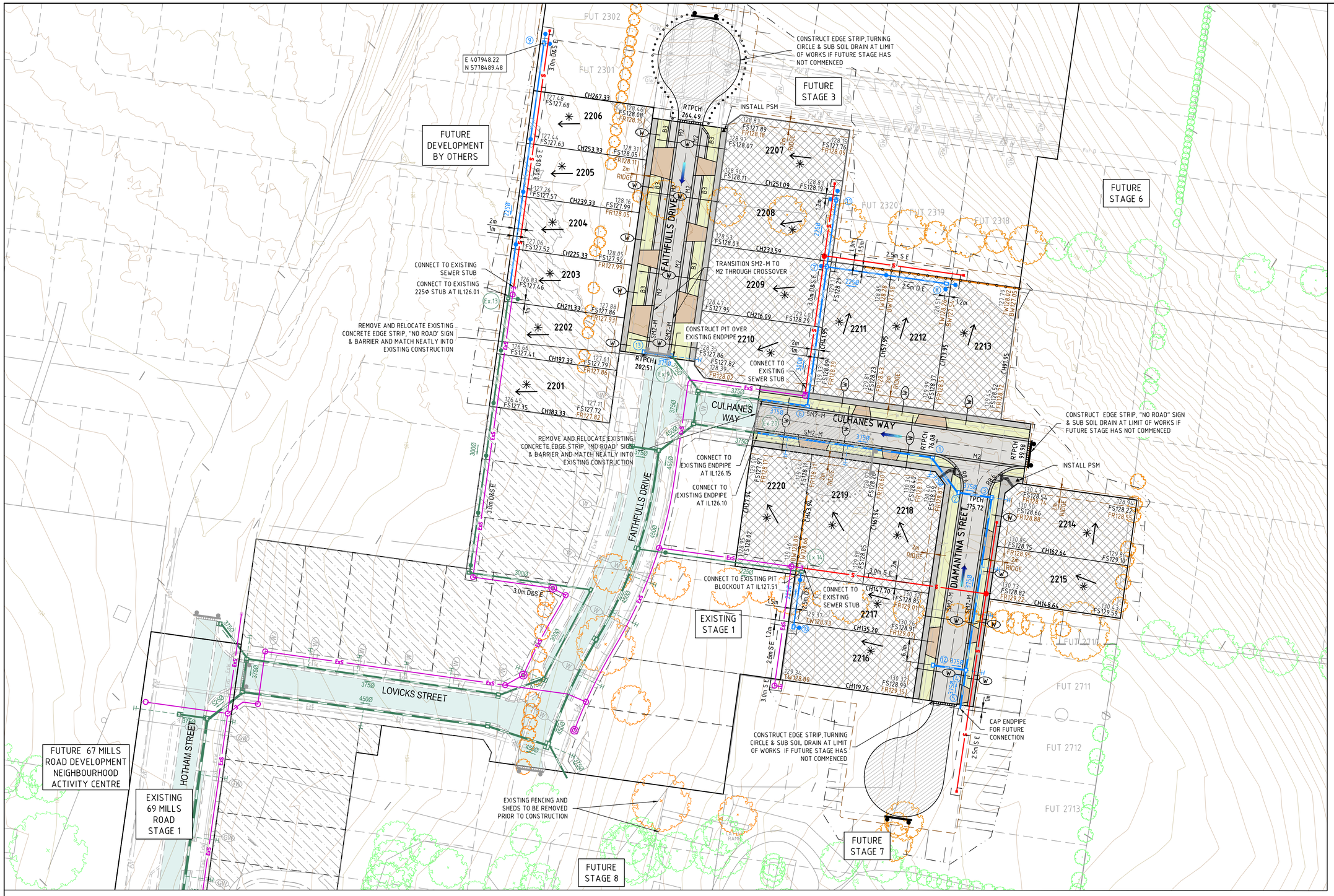

LEGEND - LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	ELECTRICITY (U.GROUND)
	ELECTRICITY (O.HEAD)
	GAS
	TELSTRA
	OPTIC FIBRE
	WATER
	RECYCLE WATER
	AG. DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING HOUSE DRAIN
	EXISTING ELECTRICITY (UNDER GROUND)
	EXISTING ELECTRICITY OVERHEAD
	EXISTING GAS
	EXISTING TELSTRA
	EXISTING OPTIC FIBRE
	EXISTING WATER
	EXISTING RECYCLED WATER
	EXISTING AG. DRAIN
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE ELECTRICITY (UNDER GROUND)
	FUTURE ELECTRICITY OVERHEAD
	FUTURE GAS
	FUTURE TELSTRA
	FUTURE OPTIC FIBRE
	FUTURE WATER
	FUTURE RECYCLED WATER
	FUTURE AG. DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
141.34	EXISTING SURFACE LEVEL
FS140.35	FINISHED BUILDING LINE LEVEL
FR157.40	FINISHED RIDGE LINE LEVEL
CH270.00	CHAINAGE
TW159.60	TOP OF RETAINING WALL LEVEL
BW159.00	BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL - CONCRETE SLEEPER
	RETAINING WALL - ROCK
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

ROAD LAYOUT TABLE

ROAD NAME	ROAD RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
		LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
CULHANES WAY	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05
FAITHFULLS DRIVE	20.00	5.40 / 10.00	6.00 / 10.60	6.60 / 10.90	SM2-M / B3 / M2	SM2-M / B3 / M2	6.75 / 4.60	6.65 / 4.50
DIAMANTINA STREET	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.35	3.75

SERVICES OFFSET TABLE

ROAD NAME	WATER RETICULATION	ELECTRICITY	OPTIC FIBRE
	OFFSET (m)	OFFSET (m)	OFFSET (m)
CULHANES WAY	2.60 N	2.60 S	1.80 S
FAITHFULLS DRIVE	2.60 W	2.60 E	1.80 E
DIAMANTINA STREET	2.60 E	2.60 W	1.80 W

WARNING

BEWARE OF UNDERGROUND SERVICES

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No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works

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B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	10.03.26	EX STAGE 1 LAYOUT AMENDED & EX13 PIT CONNECTION UDPATED	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
D	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
E	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
F	17.07.27	GAS SERVICE REMOVED	K.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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Melbourne, VIC 3008
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parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Layout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
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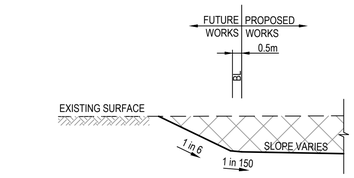
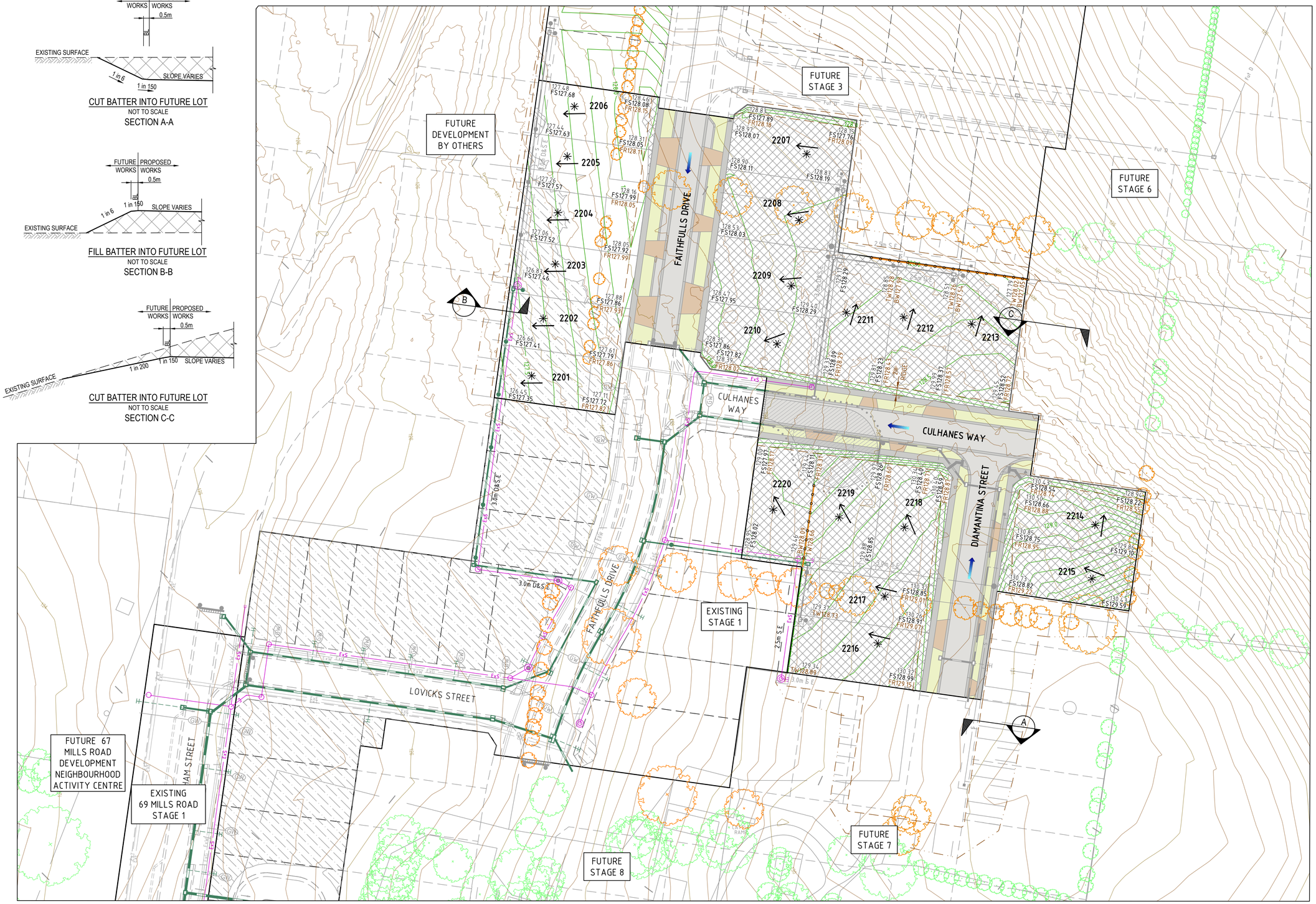


CUT BATTER INTO FUTURE LOT
NOT TO SCALE
SECTION A-A

FILL BATTER INTO FUTURE LOT
NOT TO SCALE
SECTION B-B

CUT BATTER INTO FUTURE LOT
NOT TO SCALE
SECTION C-C



LEGEND - EARTHWORKS PLAN

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O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex.Ag	EXISTING AG. DRAIN
GW	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
H	FUTURE HOUSE DRAIN
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
FutO/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
Fut T	FUTURE TELSTRA
Fut O	FUTURE OPTIC FIBRE
Fut W	FUTURE WATER
Fut RW	FUTURE RECYCLED WATER
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	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

WARNING
BEWARE OF UNDERGROUND SERVICES
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	10.03.26	EXISTING STAGE 1 LOT LAYOUT AMENDED	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
D	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
E	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

N

smec an SNC company
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Earthworks Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-131	03 of 17	E

DWG PATH: C:\12d5\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-131.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:09:14 AM

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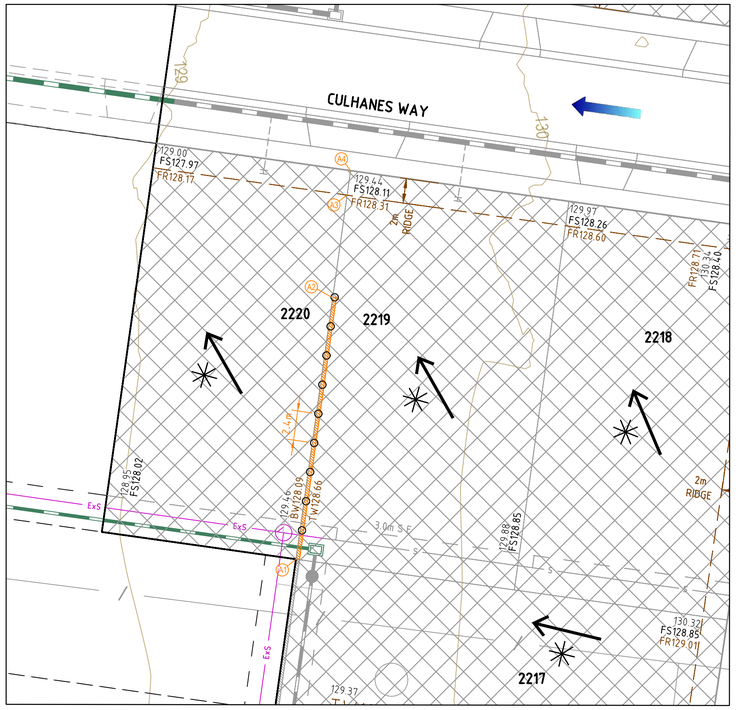
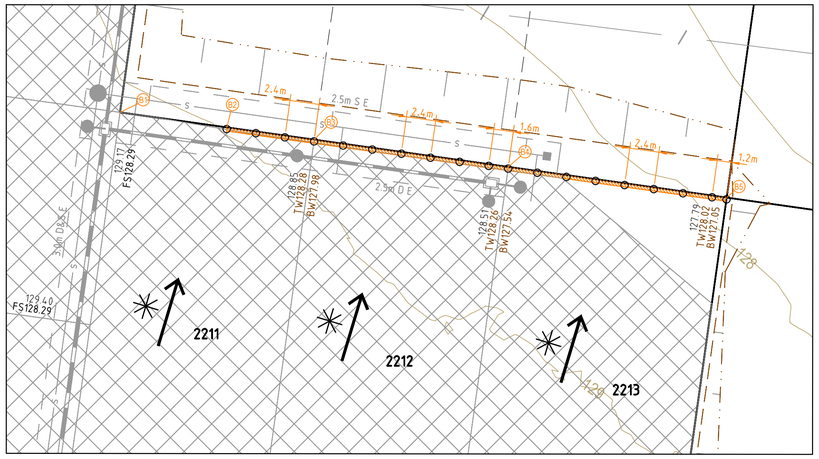
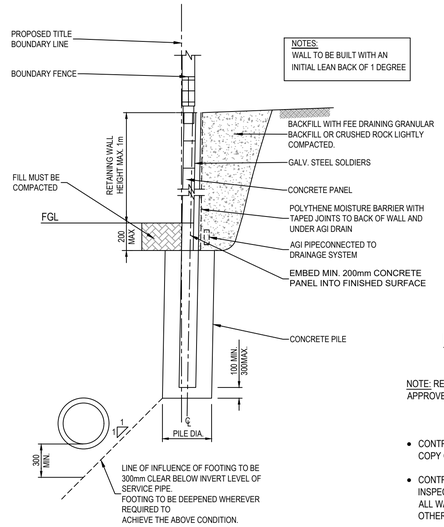






NOTES:
WALL TO BE BUILT WITH AN INITIAL LEAN BACK OF 1 DEGREE

TYPICAL CONCRETE PANEL RETAINING WALL DETAIL

NOT TO SCALE

RETAINING WALL DESIGN AND APPROVALS REQUIREMENTS

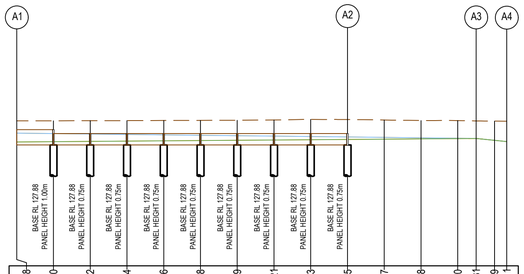
NOTE: RETAINING WALL DETAILS AND DESIGN CERTIFICATION APPROVED AS PART OF ENGINEERING PLAN APPROVALS.

RETAINING WALLS

- CONTRACTOR TO OBTAIN ANY RELEVANT BUILDING PERMITS. COPY OF BUILDING PERMIT TO BE PROVIDED TO PRINCIPAL.
- CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER INSPECTION AND CERTIFICATION FOR CONSTRUCTION OF ALL WALLS, IRRESPECTIVE OF NEED FOR PERMIT OR OTHERWISE.
- CONTRACTOR TO ENSURE ALL REQUIREMENTS OF BUILDING PERMIT HAVE BEEN ADDRESSED.

LEGEND - LONGITUDINAL SECTIONS

- EXISTING SURFACE
- UPPER FINISHED SURFACE
- LOWER FINISHED SURFACE
- RETAINING WALL - CONCRETE PANEL



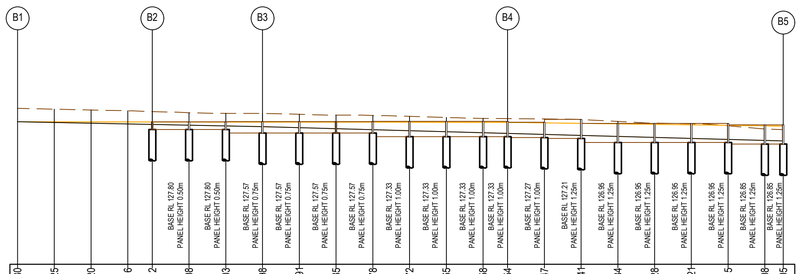
HORIZONTAL GEOMETRY
DATUM RL120

LOWER FINISHED SURFACE	128.08	128.10	128.12	128.14	128.16	128.18	128.19	128.21	128.23	128.25	128.27	128.28	128.30	128.31	128.19	128.11
UPPER FINISHED SURFACE	128.66	128.63	128.60	128.58	128.55	128.52	128.49	128.46	128.44	128.41						
RETAINED HEIGHT	0.57	0.53	0.48	0.44	0.39	0.35	0.30	0.25	0.21	0.16						
EXISTING SURFACE	129.46	129.47	129.47	129.48	129.48	129.49	129.50	129.52	129.56	129.55	129.51	129.48	129.48	129.46	129.45	129.44
NORTHING	5778349.37	5778351.75	5778354.13	5778356.50	5778358.88	5778361.26	5778363.63	5778366.01	5778368.39	5778370.76	5778373.14	5778375.52	5778377.89	5778379.08	5778380.27	
EASTING	408014.36	408014.69	408015.03	408015.36	408015.70	408016.03	408016.36	408016.70	408017.03	408017.37	408017.70	408018.03	408018.37	408018.53	408018.70	
CHAINAGE	0.00	2.40	4.80	7.20	9.60	12.00	14.40	16.80	19.20	21.60	24.00	26.40	28.80	30.00	31.20	32.00

RETAINING WALL A - LONGITUDINAL SECTION

HORIZONTAL SCALE 1:200 @ A1

VERTICAL SCALE 1:200 @ A1



HORIZONTAL GEOMETRY
DATUM RL119

LOWER FINISHED SURFACE	128.30	128.25	128.20	128.16	128.12	128.08	128.03	127.99	127.91	127.85	127.78	127.72	127.65	127.58	127.54	127.47	127.41	127.34	127.28	127.21	127.15	127.08	127.05
UPPER FINISHED SURFACE					128.29	128.29	128.28	128.28	128.28	128.27	128.27	128.27	128.27	128.26	128.26	128.23	128.20	128.16	128.13	128.10	128.07	128.04	128.02
RETAINED HEIGHT					0.16	0.21	0.25	0.30	0.36	0.43	0.49	0.55	0.61	0.68	0.72	0.75	0.79	0.82	0.85	0.89	0.92	0.95	0.97
EXISTING SURFACE		129.12	129.07	129.02	128.96	128.89	128.85	128.85	128.79	128.73	128.71	128.65	128.58	128.52	128.51	128.49	128.44	128.33	128.21	128.17	128.04	127.83	127.79
NORTHING	5778431.84	5778431.51	5778431.17	5778430.84	5778430.62	5778430.28	5778429.95	5778429.62	5778429.28	5778428.95	5778428.61	5778428.28	5778427.95	5778427.61	5778427.39	5778427.06	5778426.72	5778426.39	5778426.05	5778425.72	5778425.39	5778425.05	5778424.89
EASTING	408023.93	408026.31	408028.69	408031.06	408032.65	408035.02	408037.40	408039.78	408042.15	408044.53	408046.91	408049.28	408051.66	408054.04	408055.62	408058.00	408060.38	408062.75	408065.13	408067.51	408069.88	408072.26	408073.45
CHAINAGE	0.00	2.40	4.80	7.20	8.80	11.20	13.60	16.00	18.40	20.80	23.20	25.60	28.00	30.40	32.00	34.40	36.80	39.20	41.60	44.00	46.40	48.80	50.00

RETAINING WALL B - LONGITUDINAL SECTION

HORIZONTAL SCALE 1:200 @ A1

VERTICAL SCALE 1:200 @ A1

LEGEND - PLAN VIEW
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
CH270.00	CHAINAGE
TW159.60	TOP OF RETAINING WALL LEVEL
BW159.00	BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL - CONCRETE PANEL
	RETAINING WALL - ROCK
Ag	AG. DRAIN
	RETAINING WALL PIERS

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A	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
B	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 2 4 8
Scale H1:200, V1:200
0 2.5 5 10
Scale 1:250
SCALE AS SHOWN AT A1

N

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Melbourne, VIC 3008
Ph 03 9514 1500
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71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Retaining Wall - Plan and Long Sections

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-132	04 of 17	B

DWG PATH: C:\12dS\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-132.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:09:11 AM

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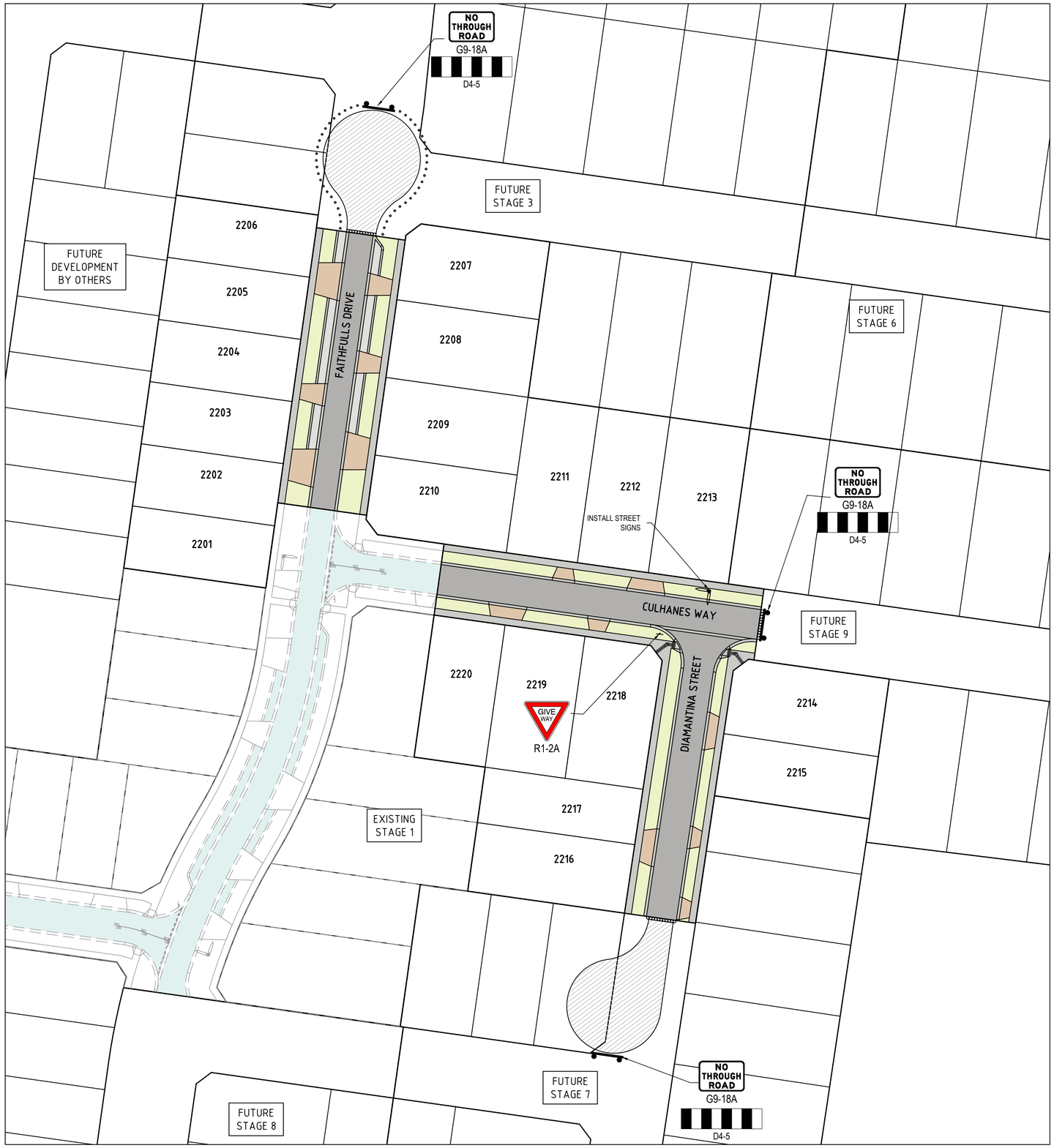

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E	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

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71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Signage & Linemarking Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-171	05 of 17	E

DWG PATH: C:\12d5\data\SMECSYN30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-171.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:09:04 AM

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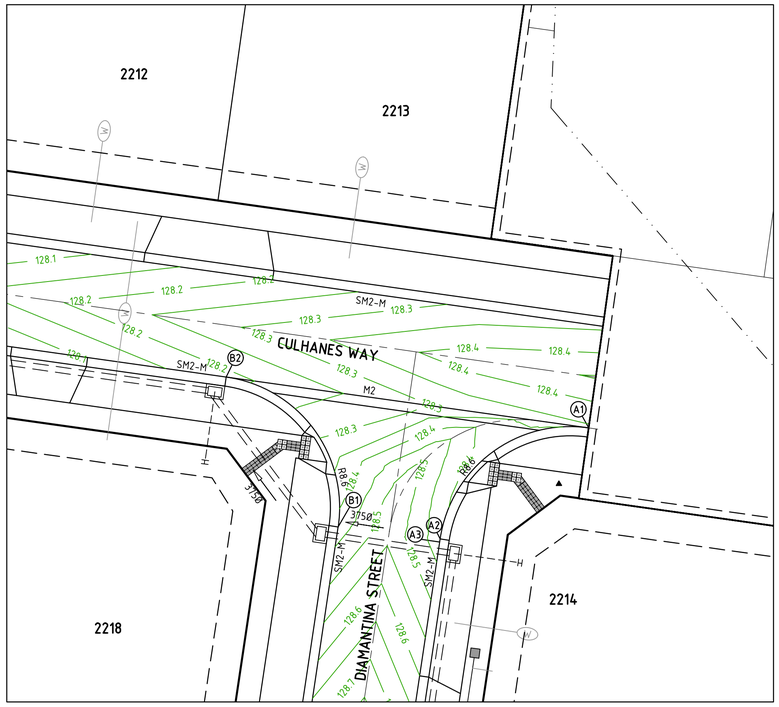
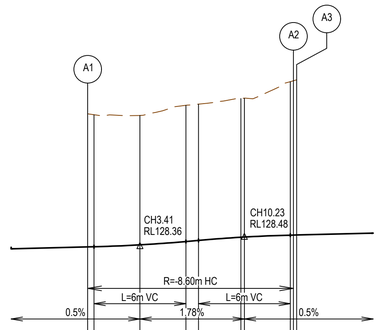




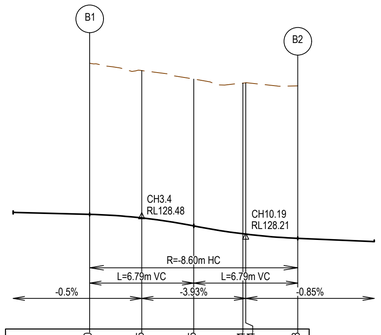
HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL127

	A1	A2	A3	
DESIGN LEVEL	128.34 128.34	128.37	128.41 128.43	128.47 128.47	128.50 128.50 128.50
EXISTING SURFACE	130.08 130.07	130.06	130.19 130.20	130.28 130.28	130.50 130.51 130.52
NORTHING	5778377.87 5778377.92	5778377.67	5778376.42 5778375.92	5778373.63	5778370.82 5778370.62 5778370.42
EASTING	408074.95 408074.54	408071.57	408068.86 408068.21	408066.29	408065.28 408065.25 408065.22
CHAINAGE	0.00 0.41	3.41	6.41 7.23	10.00 10.23	13.23 13.43 13.64

LIP LINE A



HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL127

	B1	B2			
DESIGN LEVEL	128.50	128.45	128.35	128.24 128.24	128.18
EXISTING SURFACE	130.47	130.38	130.26	130.21 130.21	130.18
NORTHING	5778371.41	5778374.78	5778377.82	5778380.08	5778381.19
EASTING	408058.59	408058.43	408056.98	408054.47	408051.28
CHAINAGE	0.00	3.40	6.79	10.00 10.19	13.58

LIP LINE B

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
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C	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
D	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
E	17.07.26	GAS SERVICE REMOVED	K.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO. PS 921836 H

PERMIT REF. NO. PLA0165/22

Scale 1:200 (0 2 4 8)

Scale H1:200, V1:40 (0 0.4 0.8 1.6)

SCALE AS SHOWN AT A1

N

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71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Intersection Detail Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-181	06 of 17	E

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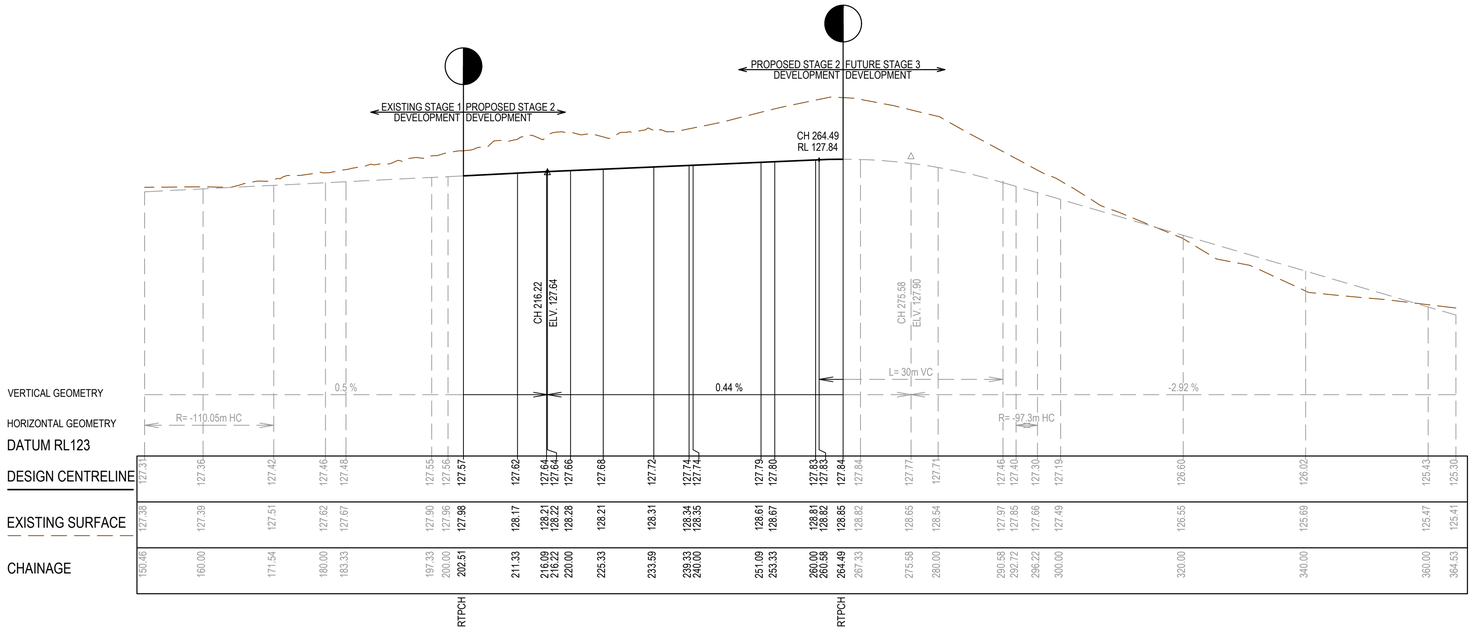
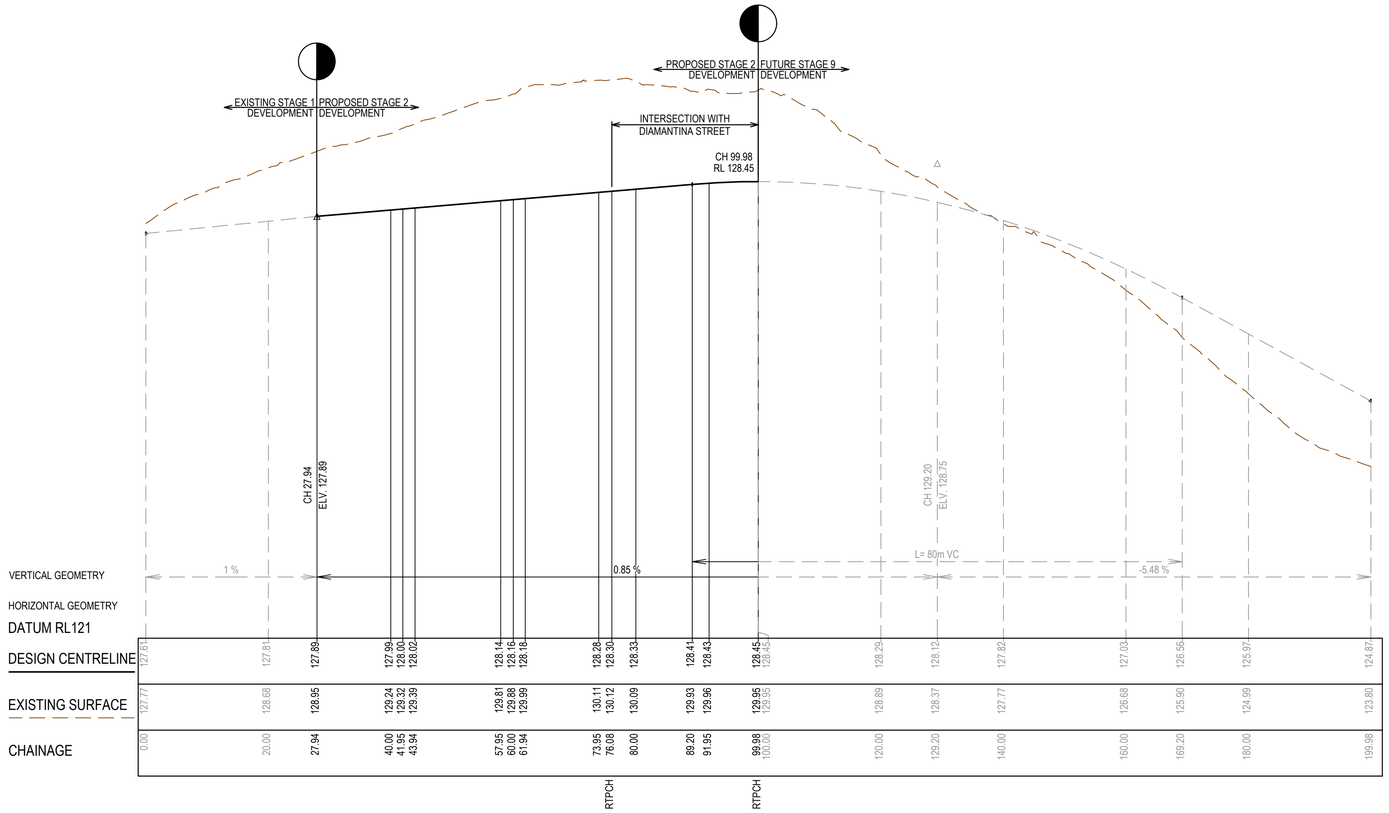
LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



FAITHFULLS DRIVE LONGITUDINAL SECTION



CULHANES WAY LONGITUDINAL SECTION

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PLAN OF SUB. NO. PS 921836 H

PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50

SCALE AS SHOWN AT A1

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parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-201	07 of 17	D

DWG PATH: C:\12d5\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-201.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:08:56 AM

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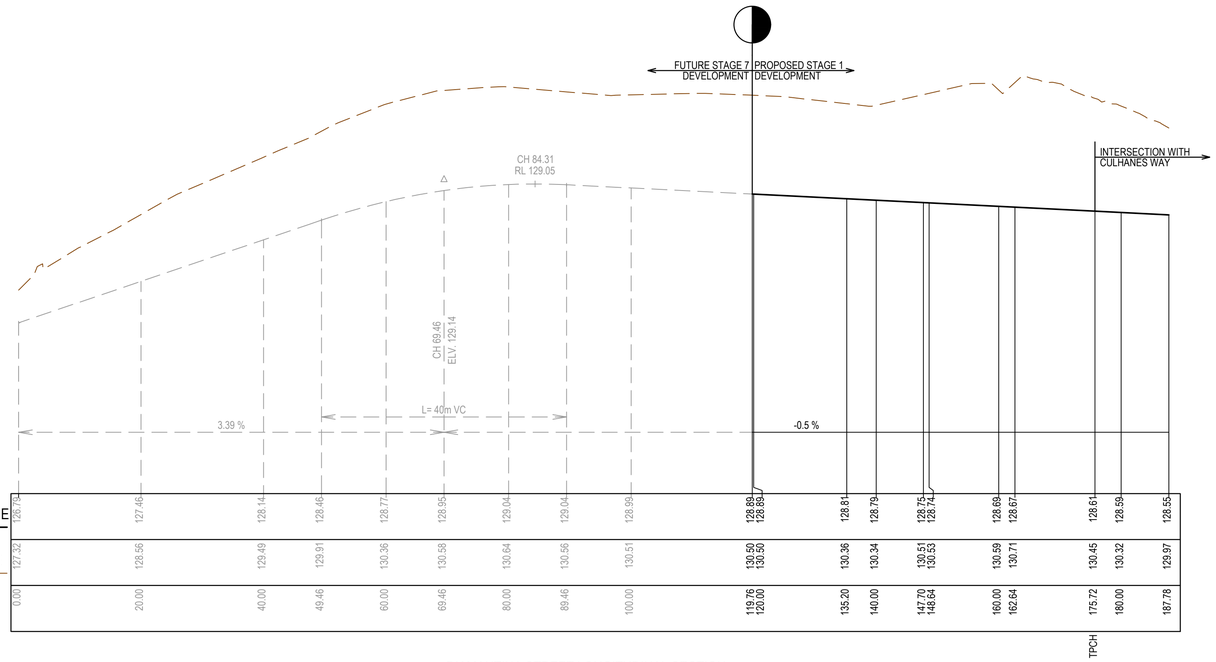
LEGEND
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE



DIAMANTINA STREET LONGITUDINAL SECTION

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
D	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

Quality Management - ISO 9001 Global-Mark.com.au®
OHS Management - AS/NZS 4801 Global-Mark.com.au®
Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

smec an SNC company
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-202	08 of 17	D

DWG PATH: C:\12dS\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-202.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:08:55 AM

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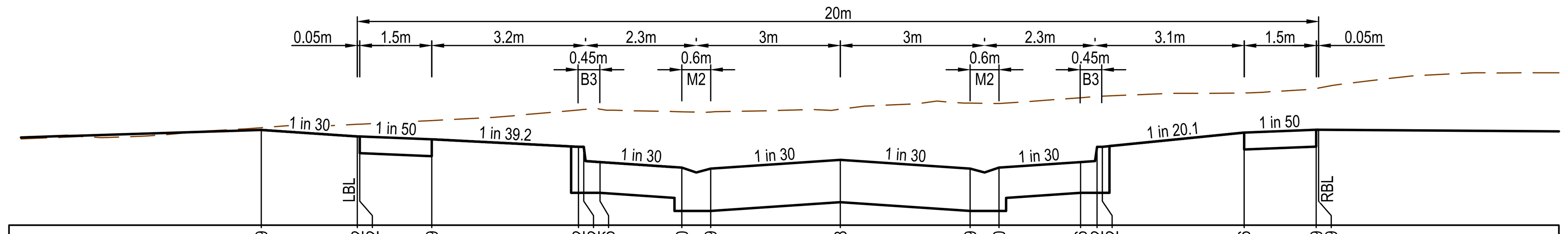
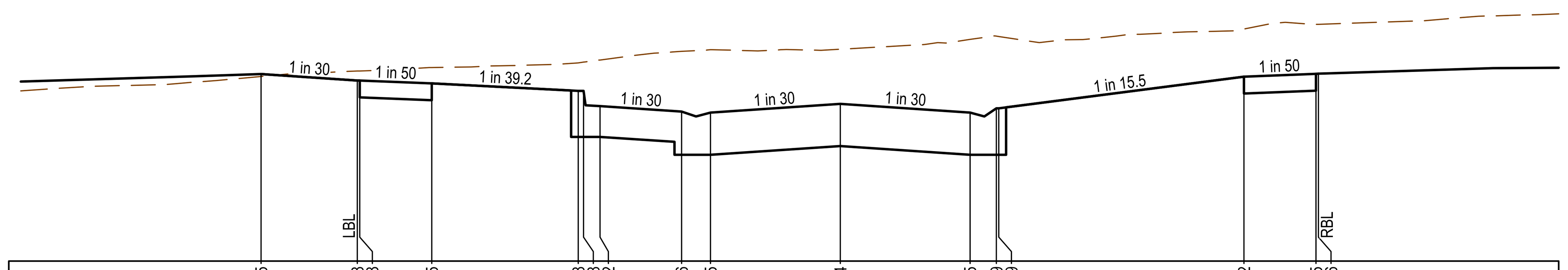
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE. LEVEL OF COMPACTION AND COMPACTION TEST RESULTS FOR FILLING IN THE ROAD TO BE FORWARDED TO COUNCIL.



DATUM127.0

DESIGN SURFACE	127.99	127.92	127.92	127.89	127.82	127.82	127.66	127.60	127.59	127.68	127.59	127.60	127.66	127.82	127.82	127.96	127.99	127.99
EXISTING SURFACE	128.02	128.05	128.05	128.09	128.20	128.20	128.21	128.18	128.18	128.21	128.27	128.27	128.33	128.34	128.34	128.38	128.42	128.43
OFFSET	-12.05	-10.05	-10.00	-8.50	-5.45	-5.34	-5.00	-3.30	-2.70	0.00	2.70	3.30	5.00	5.34	5.45	8.40	9.90	9.95

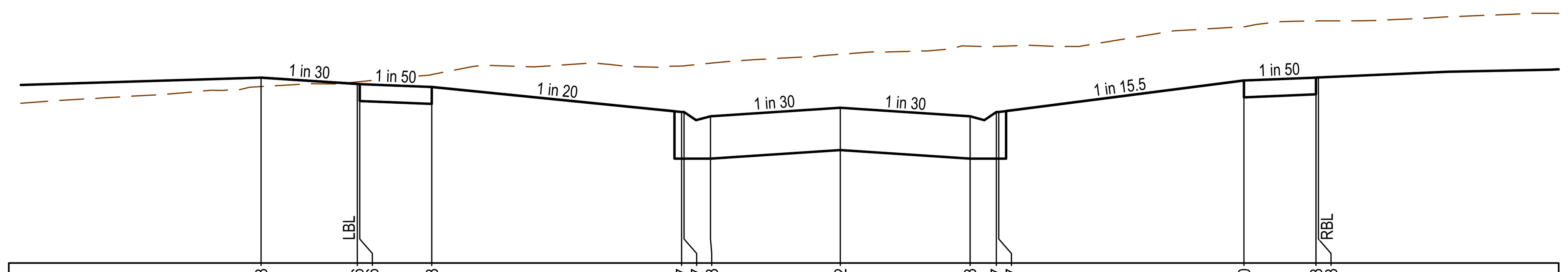
CH 225.33



DATUM126.0

DESIGN SURFACE	127.95	127.88	127.88	127.85	127.78	127.78	127.62	127.56	127.55	127.64	127.55	127.59	127.59	127.92	127.95	127.96
EXISTING SURFACE	127.93	127.98	127.98	128.02	128.07	128.08	128.10	128.19	128.20	128.21	128.31	128.35	128.34	128.42	128.47	128.47
OFFSET	-12.05	-10.05	-10.00	-8.50	-5.45	-5.34	-5.00	-3.30	-2.70	0.00	2.70	3.25	3.30	8.40	9.90	9.95

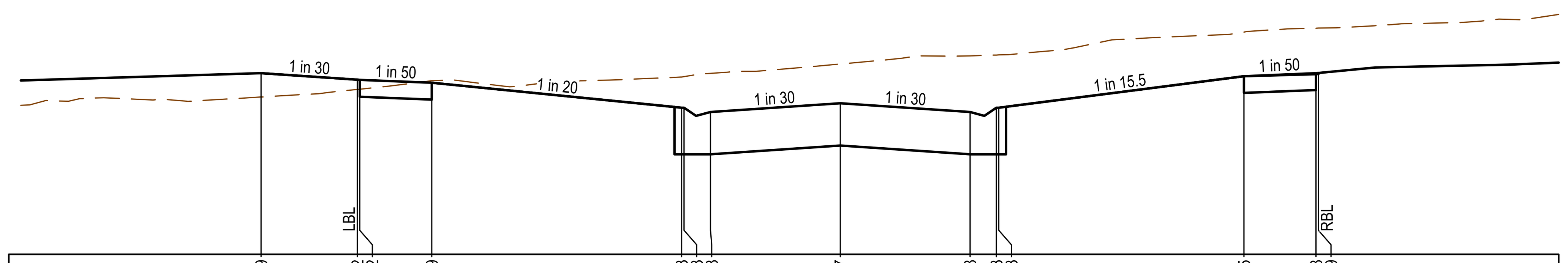
CH 216.09



DATUM126.0

DESIGN SURFACE	127.93	127.86	127.86	127.83	127.57	127.57	127.53	127.62	127.53	127.57	127.57	127.90	127.93	127.93
EXISTING SURFACE	127.84	127.88	127.89	127.96	128.05	128.05	128.08	128.17	128.26	128.25	128.25	128.46	128.52	128.52
OFFSET	-12.05	-10.05	-10.00	-8.50	-3.30	-3.25	-2.70	0.00	2.70	3.25	3.30	8.40	9.90	9.95

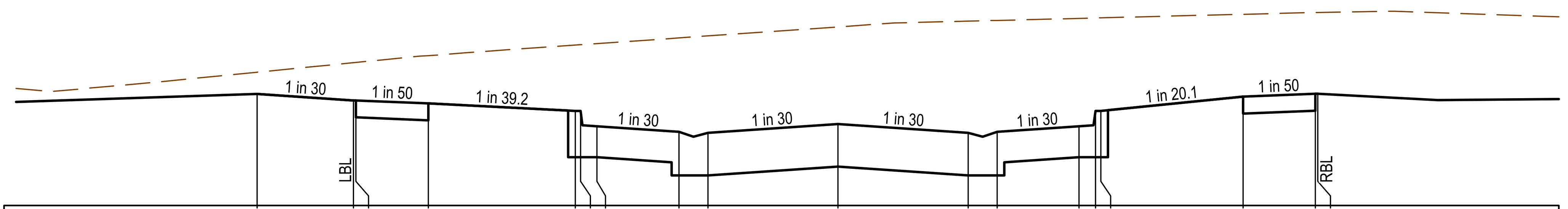
CH 211.33



DATUM126.0

DESIGN SURFACE	127.89	127.82	127.82	127.79	127.53	127.53	127.48	127.57	127.48	127.53	127.53	127.85	127.88	127.89
EXISTING SURFACE	127.64	127.72	127.72	127.81	127.85	127.85	127.88	127.98	128.07	128.08	128.08	128.31	128.35	128.35
OFFSET	-12.05	-10.05	-10.00	-8.50	-3.30	-3.25	-2.70	0.00	2.70	3.25	3.30	8.40	9.90	9.95

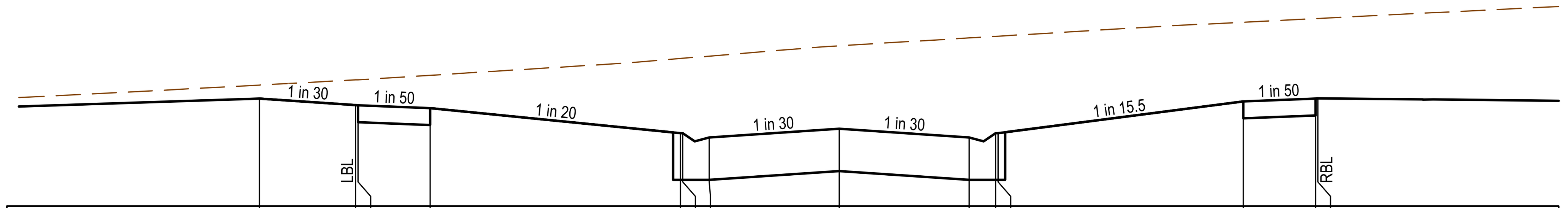
RTPCH 202.51



DATUM127.0

DESIGN SURFACE	128.15	128.09	128.09	128.06	127.98	127.98	127.82	127.76	127.75	127.84	127.75	127.76	127.82	127.98	127.98	128.13	128.16	128.16
EXISTING SURFACE	128.38	128.48	128.48	128.55	128.66	128.66	128.68	128.73	128.75	128.85	128.91	128.91	128.94	128.94	128.94	128.98	129.00	129.00
OFFSET	-12.05	-10.05	-10.00	-8.50	-5.45	-5.34	-5.00	-3.30	-2.70	0.00	2.70	3.30	5.00	5.34	5.45	8.40	9.90	9.95

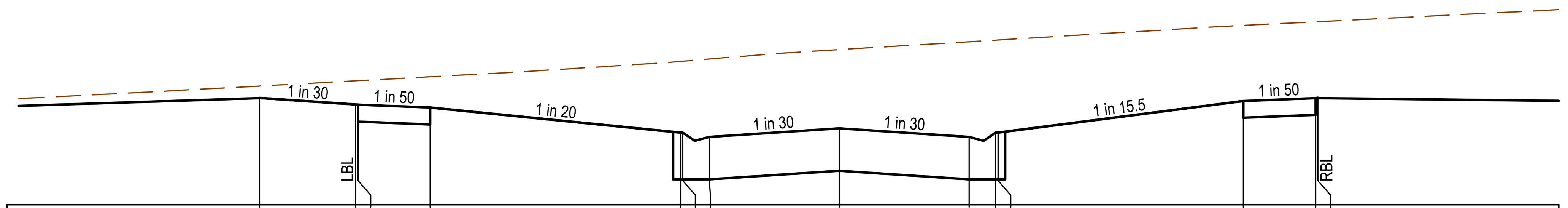
RTPCH 264.49



DATUM127.0

DESIGN SURFACE	128.12	128.05	128.05	128.02	127.76	127.76	127.71	127.80	127.71	127.76	127.76	128.09	128.12	128.12
EXISTING SURFACE	128.26	128.31	128.31	128.36	128.53	128.54	128.56	128.67	128.75	128.76	128.76	128.91	128.95	128.95
OFFSET	-12.05	-10.05	-10.00	-8.50	-3.30	-3.25	-2.70	0.00	2.70	3.25	3.30	8.40	9.90	9.95

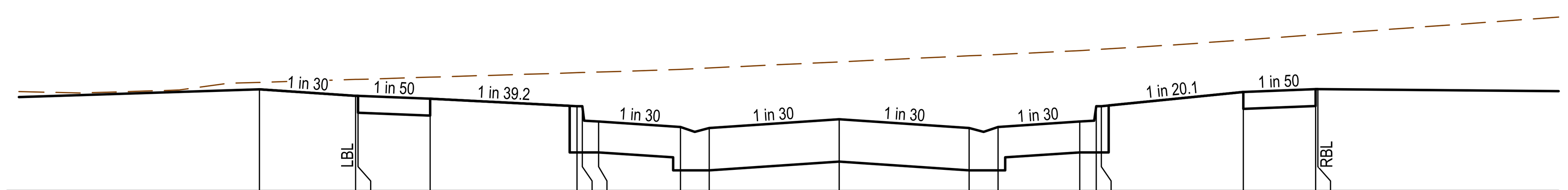
CH 253.33



DATUM127.0

DESIGN SURFACE	128.11	128.04	128.04	128.01	127.75	127.75	127.70	127.79	127.70	127.75	127.75	128.08	128.11	128.11
EXISTING SURFACE	128.23	128.29	128.29	128.33	128.49	128.49	128.51	128.61	128.69	128.71	128.71	128.86	128.90	128.90
OFFSET	-12.05	-10.05	-10.00	-8.50	-3.30	-3.25	-2.70	0.00	2.70	3.25	3.30	8.40	9.90	9.95

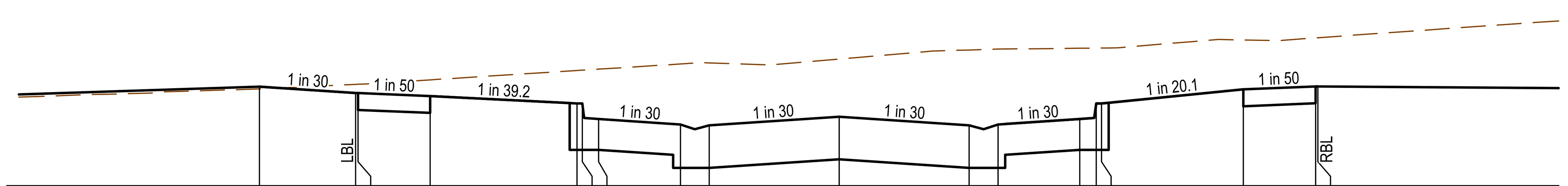
CH 251.09



DATUM127.0

DESIGN SURFACE	128.05	127.99	127.99	127.96	127.88	127.88	127.72	127.66	127.65	127.74	127.65	127.66	127.72	127.88	127.88	128.02	128.05	128.05
EXISTING SURFACE	128.13	128.16	128.16	128.18	128.23	128.23	128.23	128.26	128.28	128.34	128.40	128.42	128.46	128.47	128.47	128.57	128.62	128.62
OFFSET	-12.05	-10.05	-10.00	-8.50	-5.45	-5.34	-5.00	-3.30	-2.70	0.00	2.70	3.30	5.00	5.34	5.45	8.40	9.90	9.95

CH 239.33



DATUM127.0

DESIGN SURFACE	128.03	127.96	127.96	127.93	127.85	127.85	127.69	127.64	127.63	127.72	127.63	127.64	127.69	127.85	127.85	128.00	128.03	128.03
EXISTING SURFACE	128.00	128.05	128.05	128.10	128.19	128.20	128.21	128.26	128.27	128.31	128.41	128.42	128.42	128.43	128.43	128.51	128.53	128.53
OFFSET	-12.05	-10.05	-10.00	-8.50	-5.45	-5.34	-5.00	-3.30	-2.70	0.00	2.70	3.30	5.00	5.34	5.45	8.40	9.90	9.95

CH 233.59

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO.
PS 921836 H
PERMIT REF. NO.
PLA0165/22

SUBJECT TO APPROVAL

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

smec
an SJ company
ⓒ ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Cross Sections: Faithfulls Drive

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-251	09 of 17	C

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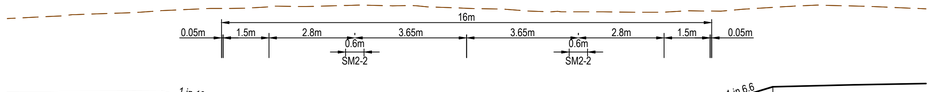
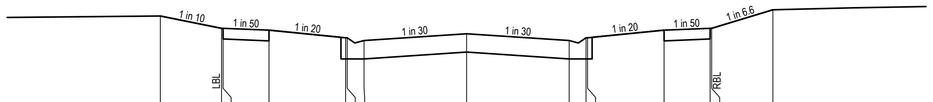
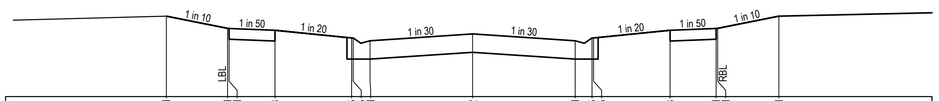
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE. LEVEL OF COMPACTION AND COMPACTION TEST RESULTS FOR FILLING IN THE ROAD TO BE FORWARDED TO COUNCIL.





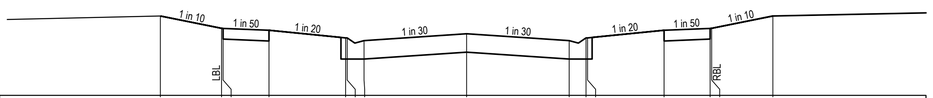
DATUM127.0										
DESIGN SURFACE	128.43	128.23 128.23	128.20	128.07 128.07 128.03	128.14	128.03	128.07 128.07	128.20	128.23 128.23	128.53
EXISTING SURFACE	129.77	129.81 129.81	129.84	129.86 129.86 129.86	129.81	129.75	129.75 129.75	129.75	129.77 129.77	129.83
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

CH 57.95



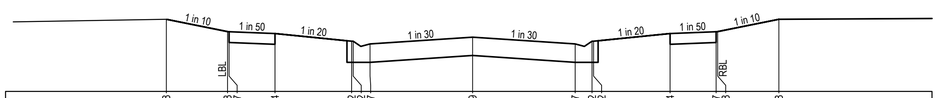
DATUM127.0										
DESIGN SURFACE	128.31	128.11 128.11	128.08	127.95 127.95 127.91	128.02	127.91	127.95 127.95	128.08	128.11 128.11	128.31
EXISTING SURFACE	129.42	129.40 129.40	129.39	129.41 129.41 129.41	129.39	129.38	129.39 129.39	129.43	129.44 129.44	129.46
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

CH 43.94



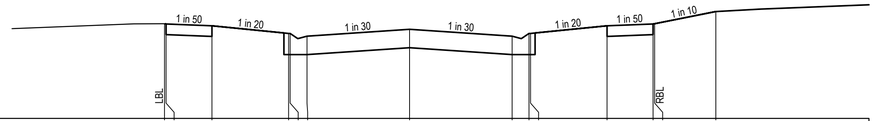
DATUM127.0										
DESIGN SURFACE	128.30	128.10 128.09	128.06	127.94 127.94 127.89	128.00	127.89	127.94 127.94	128.06	128.09 128.10	128.30
EXISTING SURFACE	129.35	129.33 129.33	129.31	129.33 129.33 129.33	129.32	129.34	129.35 129.35	129.38	129.38 129.38	129.40
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

CH 41.95



DATUM127.0										
DESIGN SURFACE	128.18	127.98 127.97	127.94	127.82 127.82 127.77	127.89	127.77	127.82 127.82	127.94	127.97 127.98	128.18
EXISTING SURFACE	128.84	128.83 128.83	128.84	128.91 128.91 128.91	128.95	128.98	128.99 128.99	128.98	129.00 129.00	129.01
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

CH 27.94

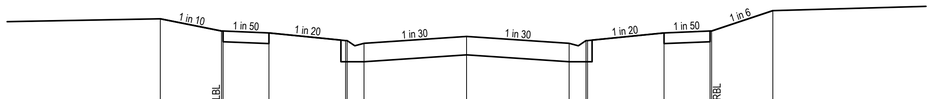


DATUM127.0										
DESIGN SURFACE		128.54 128.54	128.51	128.39 128.39 128.34	128.45	128.34	128.39 128.39	128.51	128.54 128.54	128.74
EXISTING SURFACE		129.33 129.34	129.44	129.63 129.63 129.67	129.95	130.08	130.14 130.14	130.32	130.40 130.41	130.49
OFFSET		-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

RTPCH 99.98

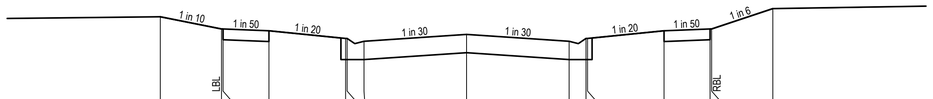
DATUM127.0										
DESIGN SURFACE	128.58	128.38 128.38	128.35	128.23 128.23 128.18	128.30	128.18	128.23 128.23	128.35	128.38 128.38	128.72
EXISTING SURFACE	129.90	129.98 129.99	130.04	130.05 130.05 130.03	130.12	130.18	130.19 130.19	130.26	130.33 130.33	130.32
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

RTPCH 76.08



DATUM127.0										
DESIGN SURFACE	128.57	128.37 128.37	128.34	128.21 128.21 128.17	128.28	128.17	128.21 128.21	128.34	128.37 128.37	128.70
EXISTING SURFACE	129.93	129.99 129.99	130.04	130.07 130.07 130.07	130.11	130.18	130.18 130.18	130.27	130.29 130.29	130.30
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

CH 73.95



DATUM127.0										
DESIGN SURFACE	128.46	128.26 128.26	128.23	128.11 128.11 128.06	128.18	128.06	128.11 128.11	128.23	128.26 128.26	128.60
EXISTING SURFACE	129.84	129.85 129.85	129.86	130.00 130.00 130.00	129.99	129.86	129.87 129.87	129.93	129.97 129.97	129.96
OFFSET	-10.00	-8.00 -7.95	-6.45	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.45	7.95 8.00	10.00

CH 61.94

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
D	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

Quality Management - ISO 9001 · OHS Management - AS/NZS 4801 · Environmental Management - ISO 14001
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PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

smec an SNC company
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Cross Sections: Culhanes Way

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-252	10 of 17	D

DWG PATH: C:\12d5\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-252.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:27:12 AM

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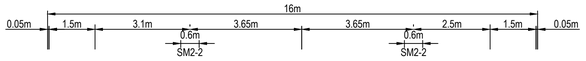
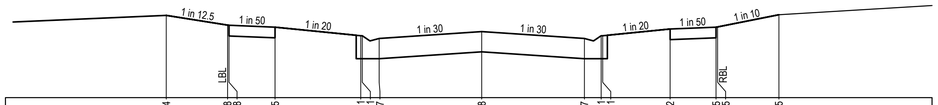
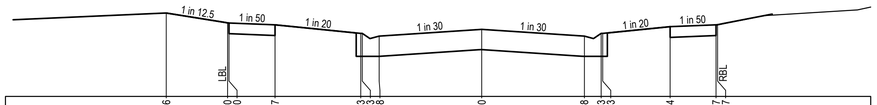
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE. LEVEL OF COMPACTION AND COMPACTION TEST RESULTS FOR FILLING IN THE ROAD TO BE FORWARDED TO COUNCIL.





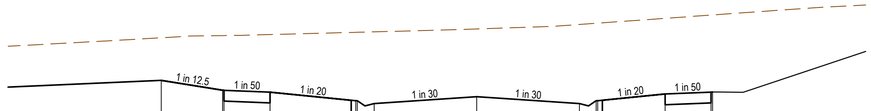
DATUM128.0											
DESIGN SURFACE	129.34	129.18 129.18	129.15	129.01 129.01 128.97	129.08	128.97	129.01 129.01	129.12	129.15 129.15	129.35	
EXISTING SURFACE	130.29	130.34 130.34	130.37	130.44 130.44 130.45	130.53	130.62	130.63 130.63	130.69	130.72 130.73	130.78	
OFFSET	-10.30	-8.30 -8.25	-6.75	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.15	7.65 7.70	9.70	

CH 148.64



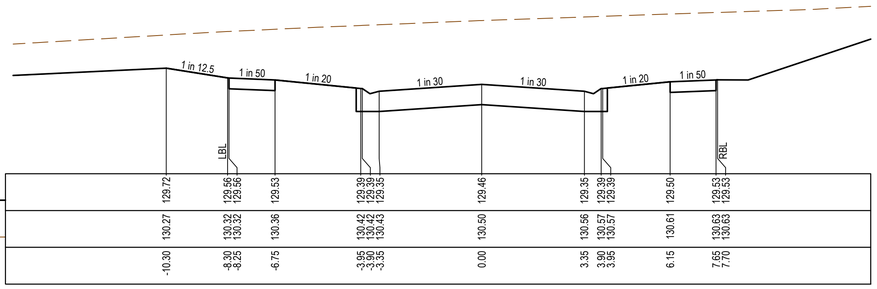
DATUM128.0											
DESIGN SURFACE	129.36	129.20 129.20	129.17	129.03 129.03 128.98	129.10	128.98	129.03 129.03	129.14	129.17 129.17		
EXISTING SURFACE	130.27	130.32 130.32	130.35	130.42 130.42 130.43	130.51	130.60	130.61 130.61	130.67	130.70 130.70		
OFFSET	-10.30	-8.30 -8.25	-6.75	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.15	7.65 7.70		

CH 147.70



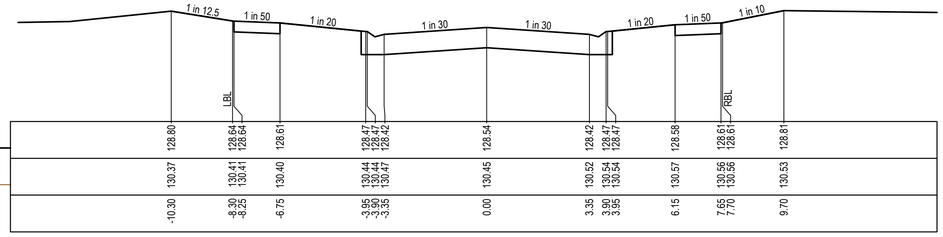
DATUM128.0											
DESIGN SURFACE	129.52	129.36 129.36	129.33	129.19 129.19 129.15	129.26	129.15	129.19 129.19	129.30	129.33 129.33		
EXISTING SURFACE	130.22	130.26 130.26	130.27	130.31 130.31 130.32	130.36	130.44	130.46 130.46	130.54	130.59 130.59		
OFFSET	-10.30	-8.30 -8.25	-6.75	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.15	7.65 7.70		

CH 135.20



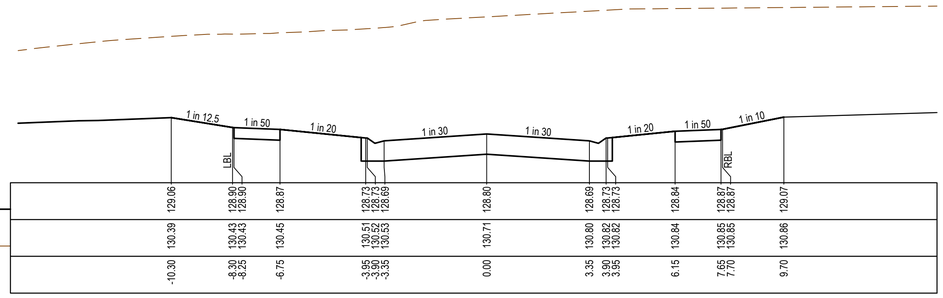
DATUM128.0											
DESIGN SURFACE	129.72	129.56 129.56	129.53	129.39 129.39 129.35	129.46	129.35	129.39 129.39	129.50	129.53 129.53		
EXISTING SURFACE	130.27	130.32 130.32	130.36	130.42 130.42 130.43	130.50	130.56	130.57 130.57	130.61	130.63 130.63		
OFFSET	-10.30	-8.30 -8.25	-6.75	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.15	7.65 7.70		

CH 119.76



DATUM127.0											
DESIGN SURFACE	128.80	128.64 128.64	128.61	128.47 128.47 128.42	128.54	128.42	128.47 128.47	128.58	128.61 128.61	128.81	
EXISTING SURFACE	130.37	130.41 130.41	130.40	130.44 130.44 130.47	130.45	130.52	130.54 130.54	130.57	130.56 130.56	130.53	
OFFSET	-10.30	-8.30 -8.25	-6.75	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.15	7.65 7.70	9.70	

TPCH 175.72



DATUM128.0											
DESIGN SURFACE	129.06	128.90 128.90	128.87	128.73 128.73 128.69	128.80	128.69	128.73 128.73	128.84	128.87 128.87	129.07	
EXISTING SURFACE	130.39	130.43 130.43	130.45	130.51 130.52 130.53	130.71	130.80	130.82 130.82	130.84	130.85 130.85	130.86	
OFFSET	-10.30	-8.30 -8.25	-6.75	-3.95 -3.90 -3.35	0.00	3.35	3.90 3.95	6.15	7.65 7.70	9.70	

CH 162.64

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

SUBJECT TO APPROVAL

0 1 2 4
0 0.5 1 2
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SCALE AS SHOWN AT A1

smec an SMC company
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Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Cross Sections: Diamantina Street

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-253	11 of 17	C

DWG PATH: C:\12dS\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-253.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:08:57 AM

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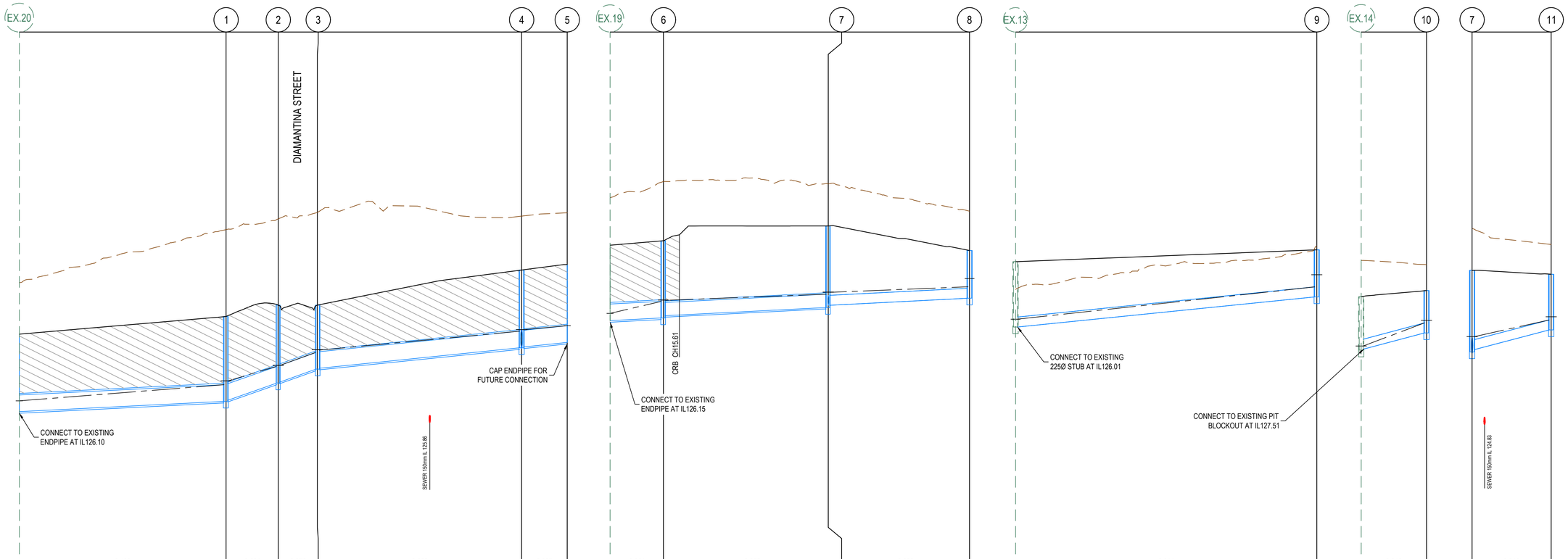
CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE

NOTE REGARDING PVC PIPE MATERIAL
AS PER BAW BAW SHIRE COUNCIL ADVICE, PVC PIPES MANUFACTURED BY STORMPRO ARE ACCEPTABLE FOR USE WITHIN EASEMENT AND RESERVES. PIPES MANUFACTURED BY ANY OTHER SUPPLIER REQUIRE WRITTEN COUNCIL APPROVAL PRIOR TO USE. ANY PVC PIPE MAY BE SUBSTITUTED WITH RCP IF PREFERRED BY CLIENT AND CONTRACTOR.



	1–2	2–3	3–4	4–5	6–7	7–8	8–9	9–10	7–11
DESIGN FLOW (m3/s)	0.109	0.081	0.076	0.063	0.051	0.053	0.028	0.044	0.016	0.018
CAPACITY (m3/s)	0.124	0.320	0.320	0.175	0.124	0.068	0.032	0.045	0.071	0.071
AT GRADE VELOCITY (m/s)	1.12	2.9	2.9	1.59	1.12	0.97	0.8	1.13	1.79	1.79
NOMINAL PIPE SIZE (mm)	375Ø	375Ø	375Ø	375Ø	375Ø	300Ø	225Ø	225Ø	225Ø	225Ø
PIPE TYPE	RCP	RCP	RCP	RCP	RCP	RCP	PVC	PVC	PVC	PVC
GRADE	1 in 200	1 in 30	1 in 30	1 in 100	1 in 200	1 in 200	1 in 200	1 in 100	1 in 40	1 in 40
DATUM	121.0				119.0			119.0	121.0	120.0
DEPTH TO INVERT	1.75, 1.75	1.91, 1.89	1.75, 1.73	1.44, 1.42, 1.75, 1.73, 1.75	1.70, 1.70	1.74, 1.69, 1.84	1.79, 1.07	1.45, 1.47, 1.06	1.20, 1.18, 0.95	1.84, 1.79, 1.25
HYDRAULIC GRADE LINE	126.35	126.71, 126.80	127.12, 127.15	127.44, 127.50, 127.49, 127.92, 127.95, 128.04	126.32	126.59, 126.62, 126.61, 126.75	126.79, 126.92, 127.10	126.19, 126.91, 127.19	127.58, 128.10, 128.16	126.75, 126.79, 127.17, 127.24
INVERT LEVEL	126.10, 126.10	126.34, 126.36	126.75, 126.77	127.06, 127.08, 127.54, 127.56, 127.66	126.15, 126.15	126.21, 126.26, 126.45	126.50, 126.66	125.99, 126.01, 126.69	127.49, 127.51, 127.88	126.45, 126.50, 126.94
FINISHED SURFACE LEVELS	127.85	128.25	128.50	128.50, 129.29, 129.42	127.85	127.95, 128.29	127.73	127.44, 127.75	128.69, 128.83	128.29, 128.20
EXISTING SURFACE LEVEL	129.01	130.20	130.44	130.59, 130.51, 130.58	128.92	129.29, 129.23	128.62	126.86, 127.83	129.51, 129.42	129.23, 128.87
CHAINAGE	0.00	46.54	58.28	67.08, 113.06, 123.33	0.00	12.01, 49.11	80.91	0.00, 67.80	0.00, 14.70	0.00, 17.80
(Reach Length)		(46.54)	(11.74)	(8.80), (45.98), (10.27)		(12.01), (37.10)	(31.80)	(67.80)	(14.70)	(17.80)

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	24.02.26	EX13 PIT CONNECTION UDPATED	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
D	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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PLAN OF SUB. NO. PS 921836 H
PERMIT REF. NO. PLA0165/22

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0 5 10 20
0 0.5 1 2
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SCALE AS SHOWN AT A1

smec an SNC company
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Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Drainage Longitudinal Sections - 1

MELWAYS REF X928 B7 | PROJECT / DRAWING No. 2747E-71M-002-301 | SHEET No. 12 of 17 | REVISION D

DWG PATH: C:\12d5\data\SMECSYN30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-301.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:08:56 AM

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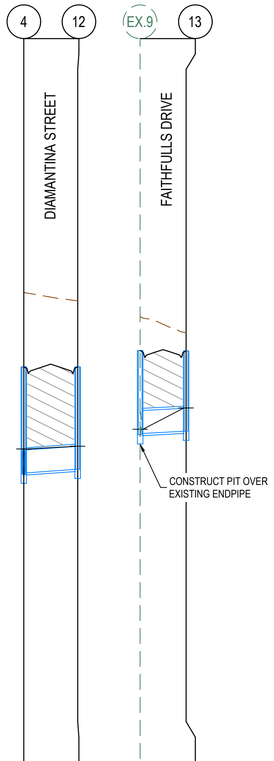
CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE

NOTE REGARDING PVC PIPE MATERIAL
AS PER BAW BAW SHIRE COUNCIL ADVICE, PVC PIPES MANUFACTURED BY STORMPRO ARE ACCEPTABLE FOR USE WITHIN EASEMENT AND RESERVES. PIPES MANUFACTURED BY ANY OTHER SUPPLIER REQUIRE WRITTEN COUNCIL APPROVAL PRIOR TO USE. ANY PVC PIPE MAY BE SUBSTITUTED WITH RCP IF PREFERRED BY CLIENT AND CONTRACTOR.



DESIGN FLOW (m3/s)		0.005				0.010						
CAPACITY (m3/s)		0.143				0.124						
AT GRADE VELOCITY (m/s)		1.3				1.12						
NOMINAL PIPE SIZE (mm)		375Ø				375Ø						
PIPE TYPE		RCP				RCP						
GRADE		1 in 150				1 in 200						
DATUM		121.0				119.0						
DEPTH TO INVERT	1.75	1.73	1.67		1.37	1.35	1.31					
HYDRAULIC GRADE LINE	127.92	127.95	127.99		126.27		126.62					
INVERT LEVEL	127.54	127.56	127.62		126.18	126.20	126.24					
FINISHED SURFACE LEVELS	129.29		129.29		127.56		127.55					
EXISTING SURFACE LEVEL	130.51		130.37		128.11		127.85					
CHAINAGE	0.00		8.80		0.00		7.50					
(Reach Length)		(8.80)				(7.50)						

PIT SCHEDULE

PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
Ex.20	Ex ENDPIPE			375	126.104			127.85	1.746		CONNECT TO EXISTING ENDPIPE AT IL126.10
1	SIDE ENTRY PIT	600	900	375	126.357	375	126.337	128.246	1.91	IDM SD440	
2	SIDE ENTRY PIT	600	900	375	126.768	375	126.748	128.503	1.755	IDM SD440	
3	SIDE ENTRY PIT	600	900	375	127.082	375	127.062	128.503	1.442	IDM SD440	
4	SIDE ENTRY PIT	600	900	375 375	127.561 127.561	375	127.541	129.293	1.751	IDM SD440	
5	ENDPIPE					375	127.664	129.416	1.752		CAP ENDPIPE FOR FUTURE CONNECTION
Ex.19	Ex ENDPIPE			375	126.153			127.851	1.698		CONNECT TO EXISTING ENDPIPE AT IL126.15
6	JUNCTION PIT	600	900	300	126.264	375	126.214	127.952	1.738	IDM SD420	
7	JUNCTION PIT	600	900	225 225	126.502 126.499	300	126.452	128.286	1.835	IDM SD426	
8	JUNCTION PIT	600	900			225	126.661	127.719	1.058	IDM SD426	
Ex.13	Ex. JUNCTION PIT	Ex.600	Ex.900	225	125.661			127.48	1.699		CONNECT TO EXISTING 225Ø STUB AT IL126.01
9	JUNCTION PIT	600	900			225	126.462	127.747	1.285	IDM SD426	
Ex.14	Ex. JUNCTION PIT	Ex.600	Ex.900	225	127.51			128.64	1.13		CONNECT TO EXISTING PIT BLOCKOUT AT IL127.51
10	JUNCTION PIT	600	900			225	127.877	128.822	0.944	IDM SD426	
11	JUNCTION PIT	600	900			225	126.934	128.198	1.264	IDM SD426	
12	SIDE ENTRY PIT	600	900			375	127.62	129.293	1.673	IDM SD440	
Ex.9	SIDE ENTRY PIT (Ex. ENDPIPE)	600	900	375	126.204	375	126.184	127.559	1.374	IDM SD440	CONSTRUCT SIDE ENTRY PIT OVER EXISTING ENDPIPE
13	SIDE ENTRY PIT	600	900			375	126.242	127.552	1.31	IDM SD440	

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	24.02.26	EX13 PIT NOTE UDPATED IN PIT SCHEDULE	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
D	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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0 0.5 1 2
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Melbourne, VIC 3008
Ph 03 9514 1500

parklea.

71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Drainage Longitudinal Sections - 2 & Pit Schedule

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-302	13 of 17	D

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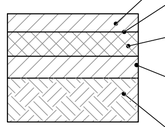
PAVEMENT COMPOSITIONS

PAVEMENT NOTES:

*ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN & TAYLOR INVESTIGATION REPORT NO: 1011314.R1.V1 DATED NOVEMBER 2019 AND NO: 1011314.R3.V1 DATED NOVEMBER 2023. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT STAGE. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE ON REQUEST



30mm COMPACTED DEPTH OF 10mm NOM. SIZE TYPE L ASPHALT (CLASS 170 BINDER)

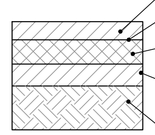
PRIME OR SIZE 7mm PRIMERSEAL

160mm DEPTH OF 20mm NOM. SIZE CLASS 2 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

110mm DEPTH OF 20mm NOM. SIZE CLASS 4 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

MATERIAL AS FOUND (CLAY), MINIMUM IN-SITU CBR ≥4.0% TOP 200MM COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

ROAD PAVEMENT
ACCESS PLACE (≤ 300 VPD)
300mm DEPTH



30mm COMPACTED DEPTH OF 10mm NOM. SIZE TYPE N ASPHALT (CLASS 320 BINDER)

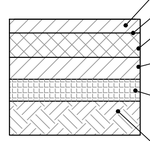
PRIME OR SIZE 7mm PRIMERSEAL

160mm DEPTH OF 20mm NOM. SIZE CLASS 2 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

170mm DEPTH OF 40mm NOM. SIZE CLASS 4 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

MATERIAL AS FOUND (CLAY), MINIMUM IN-SITU CBR ≥4.0% TOP 200MM COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

ROAD PAVEMENT
ACCESS PLACE (≤ 1000 VPD)
360mm DEPTH



30mm COMPACTED DEPTH OF 10mm NOM. SIZE TYPE N ASPHALT (CLASS 320 BINDER)

PRIME OR SIZE 7mm PRIMERSEAL

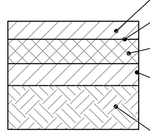
160mm DEPTH OF 20mm NOM. SIZE CLASS 2 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

100mm DEPTH OF 20mm NOM. SIZE CLASS 3 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

150mm TYPE A MATERIAL (SELECT FILL) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR ≥7%, SWELL ≤1.5% COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

MATERIAL AS FOUND (CLAY), MINIMUM IN-SITU CBR ≥4.0% TOP 200MM COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

ROAD PAVEMENT
ACCESS PLACE (≤ 2000 VPD)
440mm DEPTH



30mm COMPACTED DEPTH OF 10mm NOM. SIZE TYPE N ASPHALT (CLASS 320 BINDER)

BITUMINOUS PRIME OR SIZE 7mm PRIMERSEAL

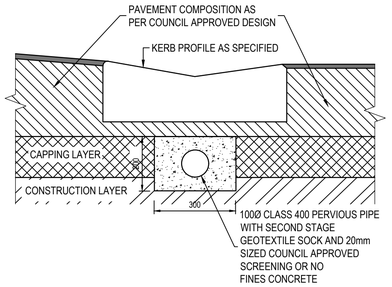
160mm DEPTH OF 20mm NOM. SIZE CLASS 2 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

130mm DEPTH OF 20mm NOM. SIZE CLASS 3 FCR COMPACTED TO A MINIMUM CHARACTERISTIC DENSITY RATIO OF 97% (MODIFIED) MAXIMUM DRY DENSITY AS1289, 5.2.1

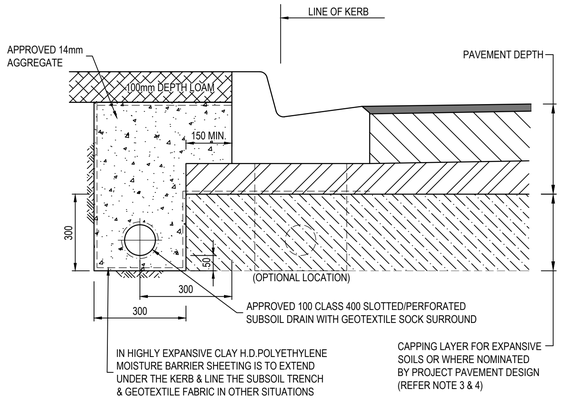
MATERIAL AS FOUND (CLAY), MINIMUM IN-SITU CBR ≥4.0% TOP 200MM COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

PARKING BAY PAVEMENT
TYPE 4
320mm DEPTH

NOTES:
1. AGRICULTURAL DRAIN TO BE LOCATED WITHIN THE CAPPING LAYER & CONSTRUCTION LAYER AS SHOWN
2. B1 AND ES ALTERNATIVE KERB PROFILES SHOWN DASHED



AG DRAIN (NO FINES)
NOT TO SCALE



SUBSOIL DRAIN
(EXPANSIVE SOILS)
REFER IDM SD145
NOT TO SCALE

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and 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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	02.12.24	ISSUED FOR INFORMATION ONLY	M.STACEY	C.PESSATTO	M.BOYS	L.VIEYRA
B	31.03.25	ISSUED TO COUNCIL FOR APPROVAL	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
C	24.02.26	UPDATED LOT 2202 LOT NUMBER	J.NIFORAS	J.NIFORAS	M.BOYS	L.VIEYRA
D	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
E	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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0 10 20 40
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Road and Drainage
Pavement Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-411	14 of 17	E

DWG PATH: C:\12dS\data\SMECSYN\30042747E - 69-71 Mills Rd, Warragul_330\Drawings\2747E-71M-002\2747E-71M-002-411.dwg PRINTED BY: NS20148 on 25/05/2026 at 09:09:04 AM

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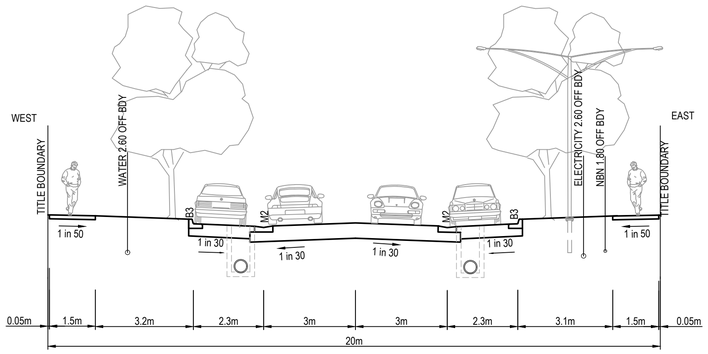
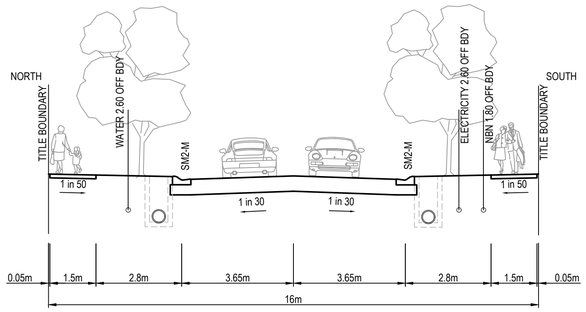


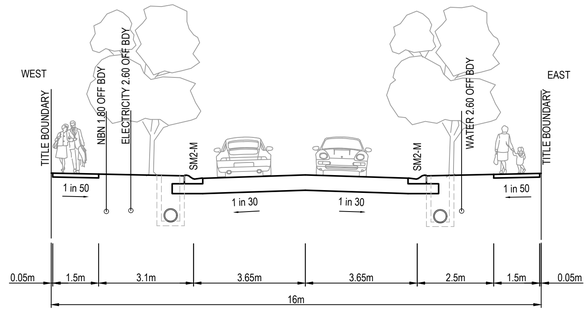
20m TYPE 1 ROAD RESERVE

FAITHFULLS DRIVE
LOCAL ACCESS STREET LEVEL 2 - RESIDENTIAL
PAVEMENT COMPOSITION <2000 VPD - 440mm PAVEMENT
PARKING BAY PAVEMENT COMPOSITION - 320mm PAVEMENT



16m TYPE 1 ROAD RESERVE

CULHANES WAY
LOTS LOCAL ACCESS STREET LEVEL 1 - RESIDENTIAL
PAVEMENT COMPOSITION <300 VPD - 300mm PAVEMENT



16m TYPE 3 ROAD RESERVE

DIAMANTINA STREET
LOCAL ACCESS STREET LEVEL 1 - RESIDENTIAL
PAVEMENT COMPOSITION <1000 VPD - 360mm PAVEMENT

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
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C	20.05.26	ISSUED TO COUNCIL FOR APPROVAL	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
D	25.05.26	ROAD NAME CULHANES CRESCENT UPDATED TO CULHANES WAY	N.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA
E	17.07.26	GAS SERVICE REMOVED	K.SHRESTHA	J.NIFORAS	M.BOYS	L.VIEYRA

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71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Typical Cross Sections

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-421	15 of 17	E

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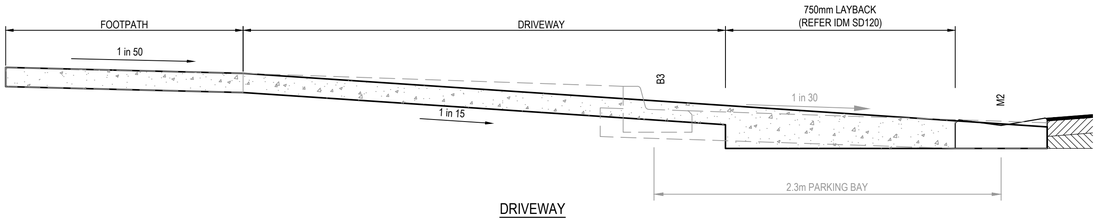
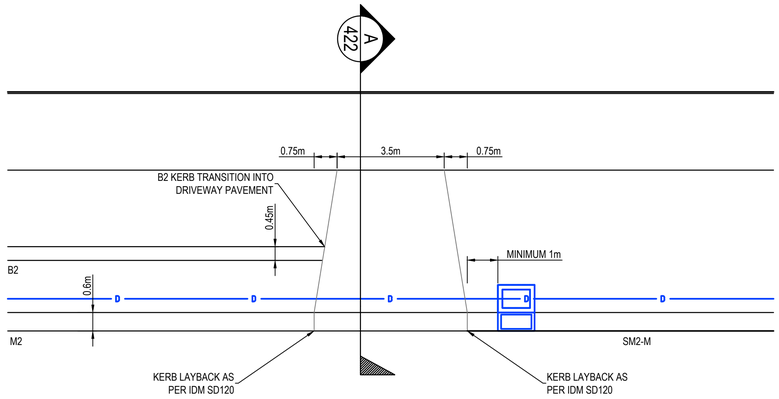
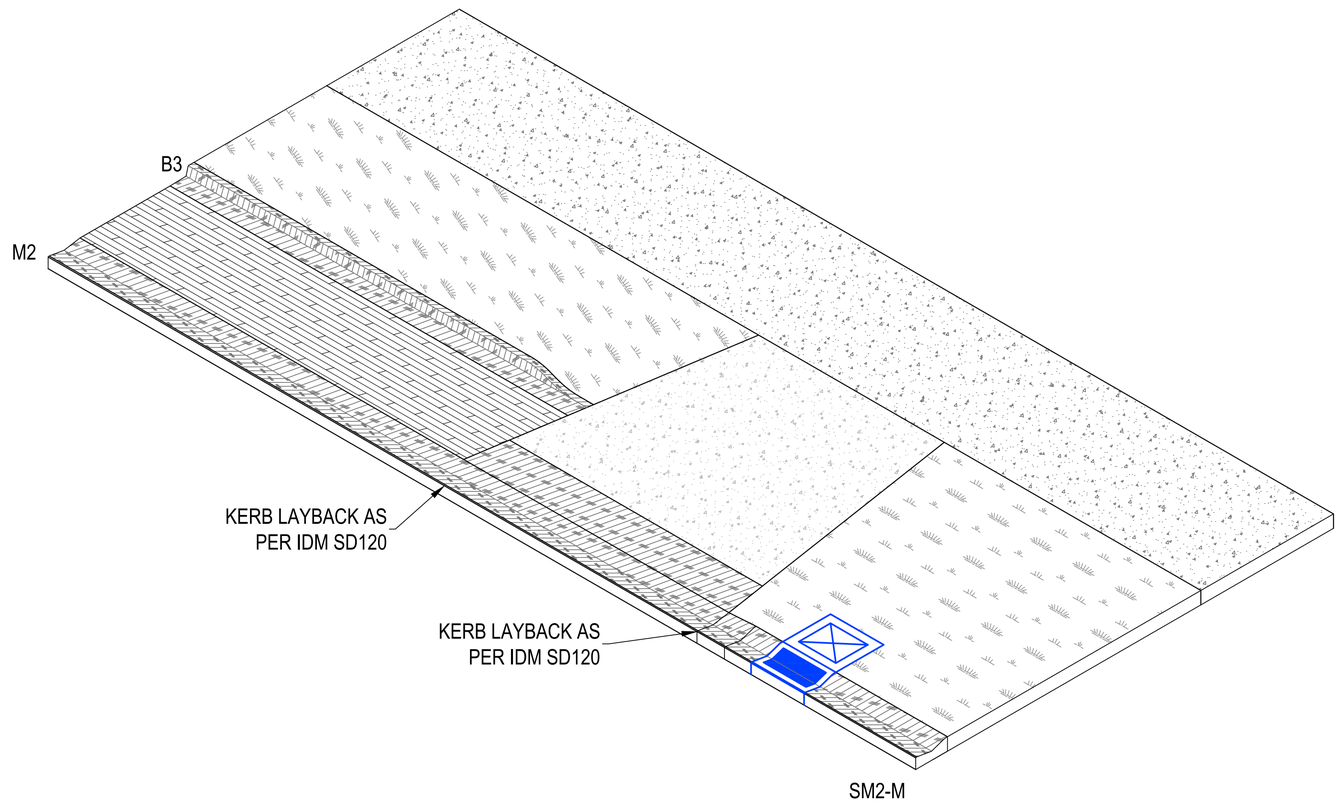


DRIVEWAY
SECTION A-A
(NOT TO SCALE)



PARKING BAY DETAIL
(NOT TO SCALE)



PARKING BAY AND DRIVEWAY
INTERFACE
(NOT TO SCALE)

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71 Mills Road - Stage 2
Baw Baw Shire Council
Road and Drainage
Parking Bay and Typical Driveway Detail

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
X928 B7	2747E-71M-002-422	16 of 17	C

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PHASE	DISCIPLINE CODE		POTENTIAL RISK (Construction, Operations, Maintenance)		RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED? YES / NO	RESIDUAL RISK LIKELIHOOD (0-5)	RESIDUAL RISK CONSEQUENCE (0-5)	RESIDUAL RISK RATING	RESIDUAL RISK OWNER
Road Furniture / Roadside Features													
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4	Road Authority
Drainage													
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4	Authority
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6	
Sewer													
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1	5	5	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1	5	5	Authority
Electricity													
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Telstra													
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g.. pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Water													
Operational	WA	Water	Water Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Gas													
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g.. pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1	1	1	Authority

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