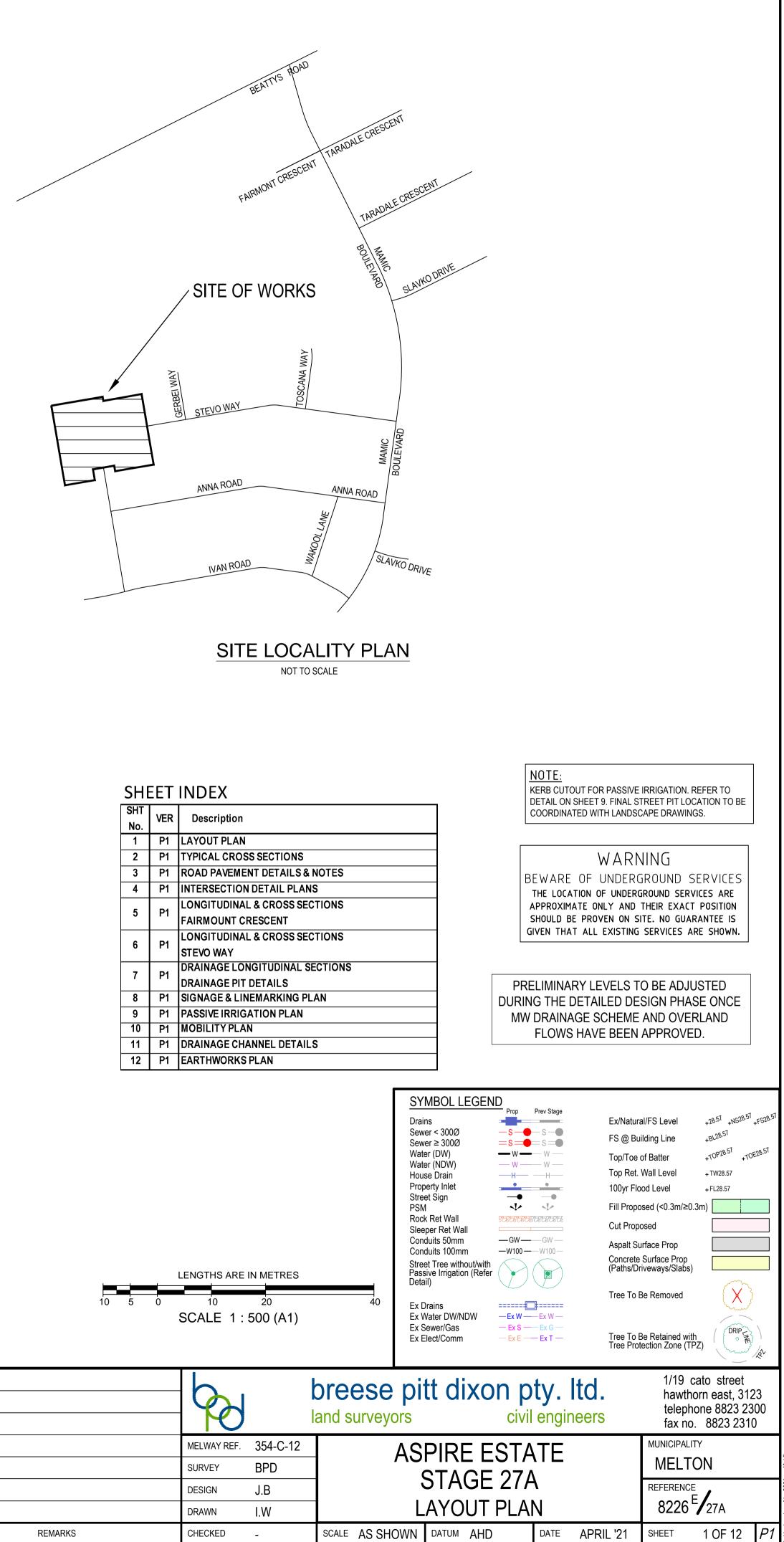


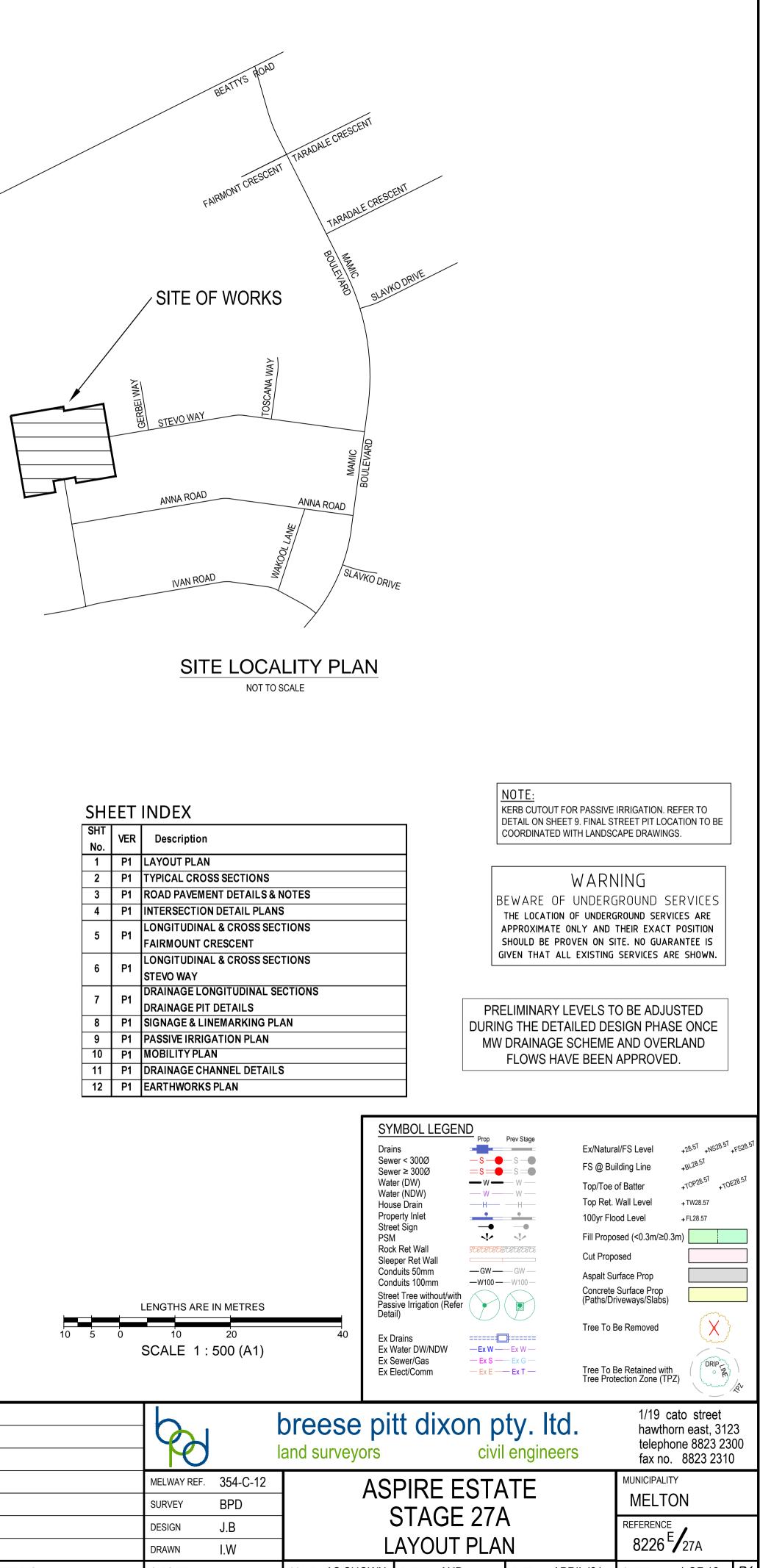
## SERVICE OFFSETS AND LOCATION TABLE

Location	Gas	Wa	ater	Telecomm	unications	Elect	tricity	BOK	Road	Joint	Street	
Eocation	Ous	NDW	DW	Cables	Pits	Cables	Poles	DOIN	Width	Trenching	Classification	
STEVO WAY	2.10 N		2.60 N	1.80 S	1.80 S	2.30 S	1.00 BOK	4.20 N 4.20 S	16.00	G&W, FTTH&E	ACCESS PLACE	
FAIRMONT CRESCENT	2.10 W		2.60 W	1.80 E	2.50 E	2.30 E	1.00 BOK	6.20 E 6.20 W	20.00	G&W, FTTH&E	ACCESS PLACE	

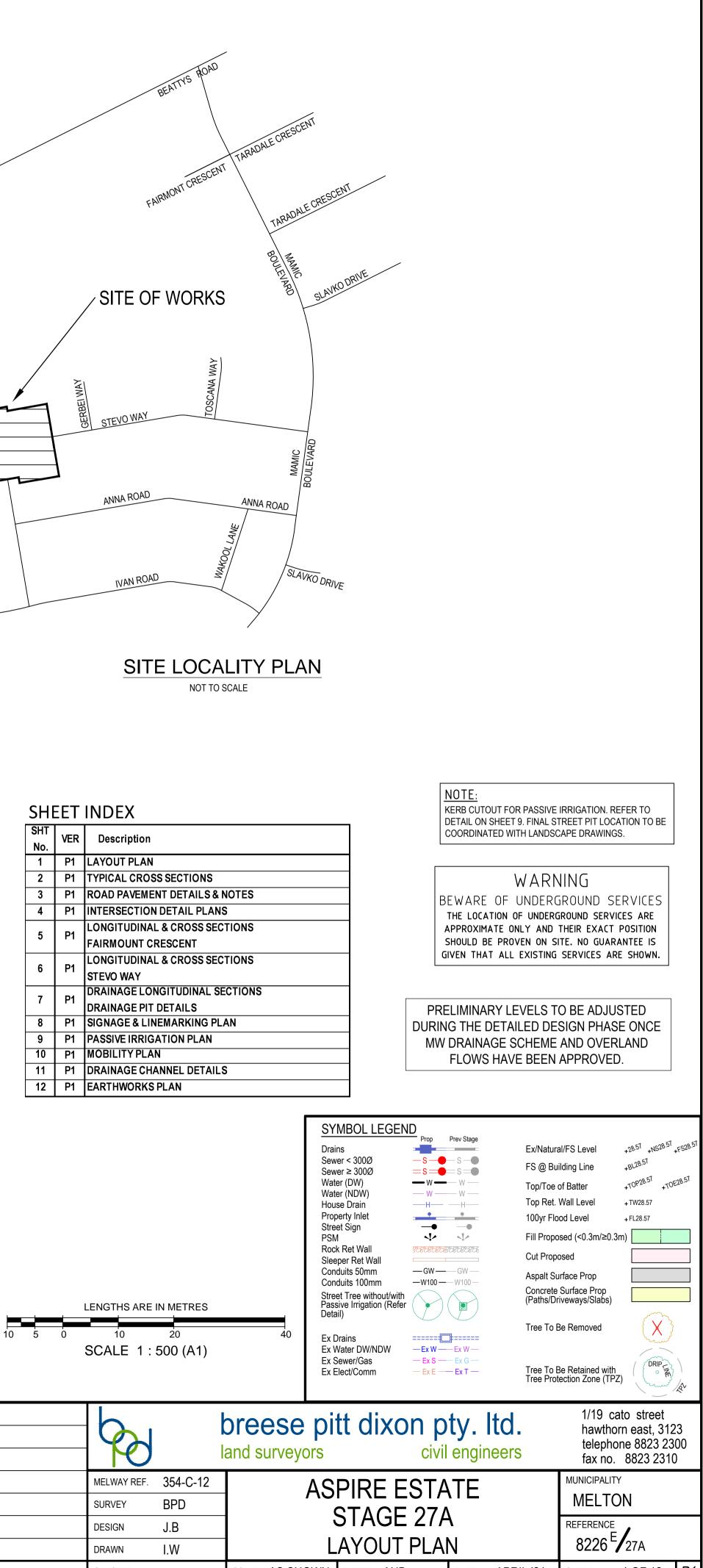
NOTE: \* OFFSET FROM BACK OF KERB

G:\61\BPD\Aspire\CADD\Stage 27A\E27A\_R01\_DET.dwg (DET1)





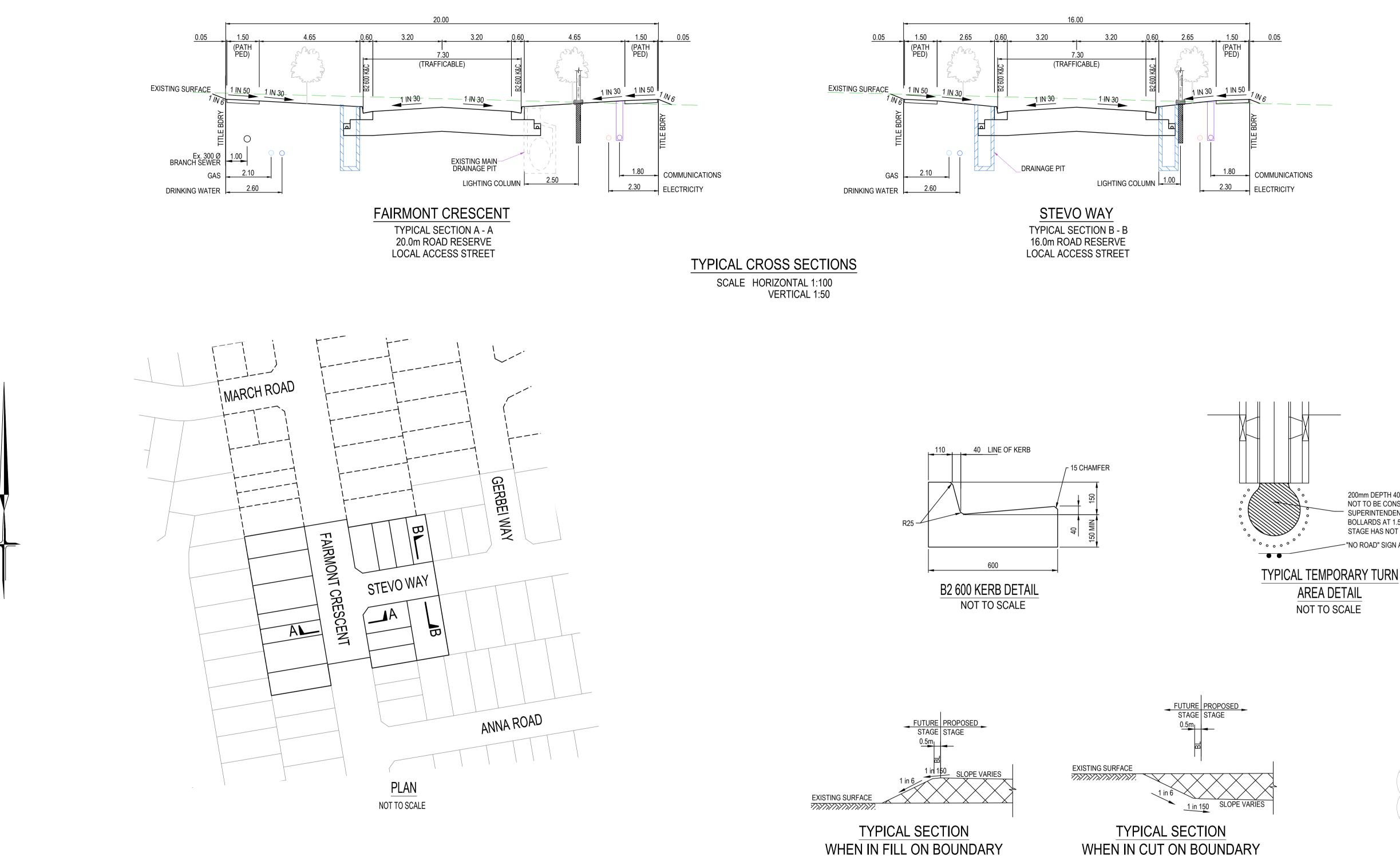
_	EET	INDEX
SHT No.	VER	Description
1	P1	LAYOUT PLAN
2	P1	TYPICAL CROSS
3	P1	ROAD PAVEMEN
4	P1	INTERSECTION
F	P1	LONGITUDINAL
5	P1	FAIRMOUNT CR
<u> </u>	<b>D4</b>	LONGITUDINAL
6	P1	STEVO WAY
7	P1	DRAINAGE LON
1	F1	DRAINAGE PIT D
8	P1	SIGNAGE & LINE
9	P1	PASSIVE IRRIGA
10	P1	MOBILITY PLAN
11	P1	DRAINAGE CHA
12	P1	EARTHWORKS F
		-



# VER DATE

## ATTENTION TO CONTRACTOR

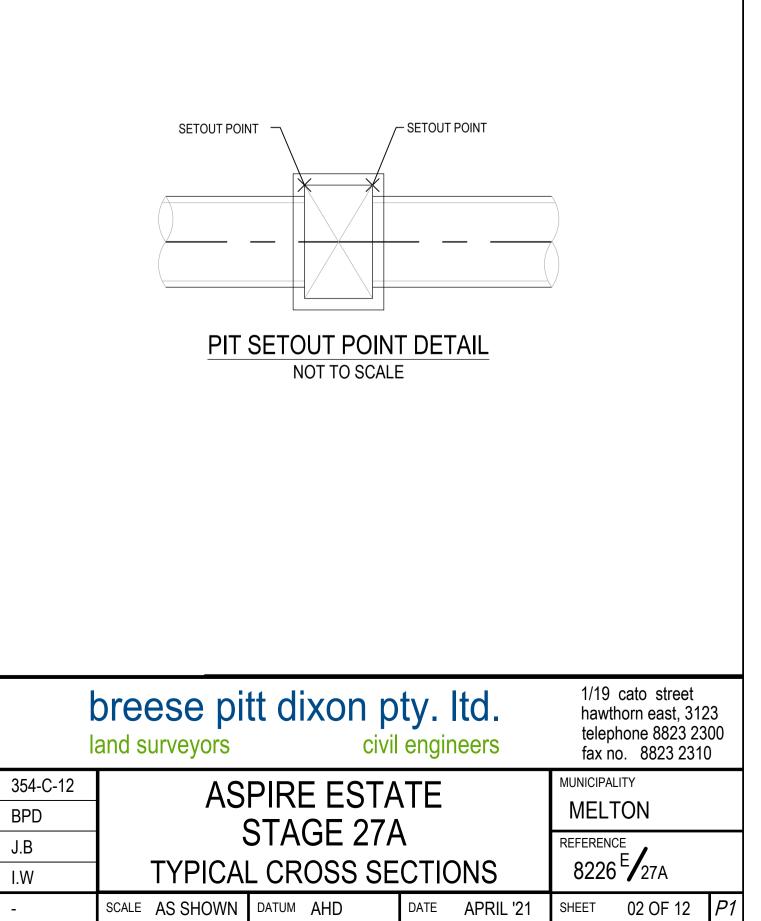
- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM CO-ORDINATES SHOWN.
- WHERE CONCRETE WORKS ABUT A SEWER ACCESS CHAMBER SURROUND 2. OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVAL MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.



OF FUTURE STAGE NOT TO SCALE

OF FUTURE STAGE NOT TO SCALE

Ś				<b>A</b>
AMENDMENTS				MELWAY REF.
MEND				SURVEY
A				DESIGN
				DRAWN
	VER	DATE	REMARKS	CHECKED



200mm DEPTH 40mm NOM. SIZE CLASS 4 FCR

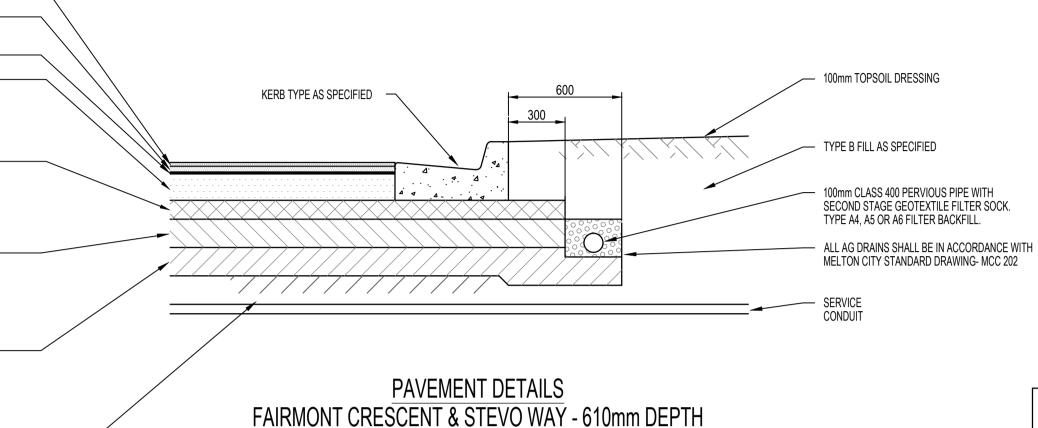
NOT TO BE CONSTRUCTED WITHOUT SUPERINTENDENT APPROVAL. INSTALL BOLLARDS AT 1.5m SPACING IF FUTURE STAGE HAS NOT COMMENCED.

a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'L' ASPHALT (C320 BINDER) b) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT

- (C320 BINDER)
- 10mm SAMI SEAL WITH CLASS S18RF BINDER AND BITUMINOUS PRIME 130mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE
- CRUSHED ROCK. COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 98% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT
- e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK, COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 98% MODIFIED DRY DENSITY RATIO AND WITHIN 1 % OF THE MODIFIED OPTIMUM MOISTURE CONTENT
- 160mm CAPPING LAYER SELECT GRANULAR MATERIAL WITH A MINIMUM f) SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%, PERMIABILITY K < 5x10-9m/sec.
- 150mm CONSTRUCTION LAYER SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%, PERMIABILITY K < 5x10-9m/sec.

#### TOTAL PAVEMENT DEPTH 600mm

SUBGRADE - NATURAL SILTY CLAY TESTED TO CONFIRM AN IN-SITU CBR OF AT LEAST 2% OR APPROVED FILL COMPACTED TO AT LEAST 100% STANDARD DRY DENSITY RATIO (SOAKED CBR >2%) WITHIN 2% OF THE STANDARD OPTIMUM MOISTURE CONTENT.



#### GENERAL NOTES

- 1. CONSTRUCTION PLANS MUST BE ACCOMPANIED BY THE APPROVED SPECIFICATION. NO WORK IS TO COMMENCE WITHOUT EVIDENCE OF POSSESSION OF EACH.
- 2. ALL WORKS TO BE CARRIED OUT TO STANDARD DRAWINGS AND SPECIFICATION AS APPROVED BY CITY OF MELTON AND TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER. IN CASE OF A DISPUTE THE SPECIFICATION MUST TAKE PRECEDENCE.
- 3. FOR SPECIFICATION REFER SPECIFICATION STAGE 1. TAYLORS HILL ESTATE (INCORPORATING UPDATED SECTION 1A)
- 4. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- 5. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 400mm. REFER VPA STD DWGS EDCM701, EDCM702 & EDCM703.
- 6. LOTS DENOTED THUS 25H ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 5.5m FROM LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. REFER VPA STD DWGS EDCM701 & EDCM703.
- 7. AGRICULTURAL PIPE DRAINS, AS PER VPA STD DWG EDCM202, TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER.
- 8. DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM PIPE CHAINAGES. CENTRELINE OF PITS AT TP'S TO BE OFFSET 1.00 METRE.
- 9. ALL 150mm TO 750mm DIA. TO BE R.C.(RRJ) AND 825mm DIA. AND GREATER TO BE R.C.(IJ). PIPES LAYED ON A CURVE TO BE RRJ. ALL CONCRETE PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED.
- 10. WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UPTO A LEVEL WHERE THE 45Deg. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.
- 11. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO A RELATIVE COMPACTION OF 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING : i) BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT. ii) ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED
- BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE. (TRENCHES TO BE BACKFILLED IN LAYERS NOT EXCEEDING 200mm LOOSE.)
- 12. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004. INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR. THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- 13. BATTERS SHALL BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS OTHERWISE 25. THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER SHOWN RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETER MARKS THE KERB AND FOOTPATH 14. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL EXACTLY ABOVE THE CONDUIT. RUBBISH AND SPOIL FROM SITE. 26. TELSTRA/NBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED. 15. LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER, ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE. 27. VEHICLE CROSSINGS TO BE OFFSET 0.75m FROM SIDE BOUNDARYS AND EASEMENTS UNLESS OTHERWISE SHOWN AND A MINIMUM OF 0.75m CLEAR OF PITS. 16. ALL RESERVE AREAS ARE TO BE SMOOTHED, GRADED, TOPSOILED WHERE REQUIRED VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MELTON WITH A 100mm COMPACTED LAYER OF TOPSOIL AND SEEDED, USING AN APPROVED SEED STANDARD DRAWINGS MSC501 TO MSC506. MIX AND METHOD OF SOWING. SUCH THAT THE SURFACE IS SELF-DRAINING. STONE FREE AND ABLE TO BE MAINTAINED BY CONVENTIONAL MOWING EQUIPMENT. VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH GAA STANDARD DRAWINGS FIG010 & FIG011. ACROSS THE WINGED SECTION CONTRACTOR TO PROVIDE TWO 17. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO 450mm LONG N12 DEFORMED BARS, CENTRALLY LOCATED, AT 300mm CENTRES. OBTAIN FINAL FILL LEVELS AS SHOWN ON THE PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY 28. ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/CYCLE VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH PATHS SHALL BE 2.5m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED AUSTRALIAN STANDARD AS1289.5.2.1-1993. TESTING TO COMPLY WITH AS3798-1996 WITH SL72 MESH 50mm TOP COVER AND UNDERLAIN BY 50mm OF CLASS 3 CR. APPENDIX B, LEVEL 1. REFER VPA STD DWG EDCM401. 29. PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK 18. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, OF KERB & CHANNEL. REFER TO COUNCIL STD DWG MCC403. INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE 30. STREET SIGNS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARDS. CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER. 31. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL 19. EARTH FILL IS TO BE COMPACTED TO A RELATIVE COMPACTION COMPARED TO A ENGINEER, PROVIDE AND MAINTAIN INCLUSIVE OF STREET SIGNS, ALL NECESSARY STANDARD COMPACTION TEST AS SPECIFIED BY VICROADS CORPORATION OF: REGULATORY SIGNS, WARNING SIGNS, LIGHTING, LINEMARKING AND BARRICADING -100% FOR ALL FILL MATERIAL AND MATERIAL UNDER FILL THAT IS LESS TO COMPLY WITH THE REQUIREMENTS OF VICROADS SIGNING CODE OF PRACTICE. THAN 450mm FROM THE SURFACE. -95% FOR ALL FILL NOT COVERED AS ABOVE. 32. THE CONTRACTOR IS TO SUPPLY AND ERECT ALL RELEVANT STREET SIGNAGE AND LINE MARKING AS PART OF THE CONTRACT IN ACCORDANCE WITH VICROADS SPECIFICATION SECTIONS 710 & 722 AND AS1742.1, .2 & .3 20. NATURESTRIP AND AREAS OF CUT ARE TO BE TOPSOILED AND GRASSED TO THE SATISFACTION OF THE ENGINEER. MINIMUM DEPTH TO BE 100mm. 33. ALL ROADS TO BE CONSTRUCTED WITH B2 KERB & CHANNEL UNLESS OTHERWISE SHOWN. 21. ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION REFER VPA STD DWG EDCM301. NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER. NO EXCAVATION WITHIN 5m OF ANY EXISTING NATIVE TREE WITHOUT APPROVAL 34. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A ROAD OPENING PERMIT FOR WORKS OF THE ENGINEER. IN PREVIOUSLY CONSTRUCTED ROADWAYS. 35. IF BLASTING IS REQUIRED THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT 22. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED. BY THE CONTRACTOR. TO BLAST AND MAINTAINING SAFETY REGULATIONS ON SITE IN COMPLIANCE WITH THE PRIOR TO THE COMMENCEMENT OF WORKS. EXPLOSIVES ACT 1960. THE PERSON WHO IS USING THE EXPLOSIVES ON THE SITE IS TO BE A HOLDER OF 23. SERVICES CONDUITS ARE TO BE PROVIDED AT 90deg TO KERB AND CHANNEL UNLESS A CURRENT PERMIT TO USE EXPLOSIVES ISSUED UNDER THE EXPLOSIVES ACT 1960. OTHERWISE SHOWN AND THE LOCATION IS TO BE MARKED ON THE FACE OF KERB. ALL SERVICE CONDUITS TO BE MINIMUM STANDARD OF CLASS 6, WITH A MINIMUM COVER OF 36. PATTERNED CONCRETE TO BE DOWELLED INTO ADJACENT KERB AND CHANNEL AT 300mm CTS 75mm ABOVE TOP OF CONDUIT TO SUB GRADE LEVEL, AND A SIZE SUITABLE TO SERVICE USING 450mm LONG S12 BARS. ONE END OF DOWEL TO BE SLEEVED OR GREASED. BUT NOT LESS THAN 50mm.
  - 24. WATER AND GAS CONDUITS TO BE CONSTRUCTED ACROSS NATURE STRIPS AFTER ELECTRICAL CABLE WORK IS COMPLETED.

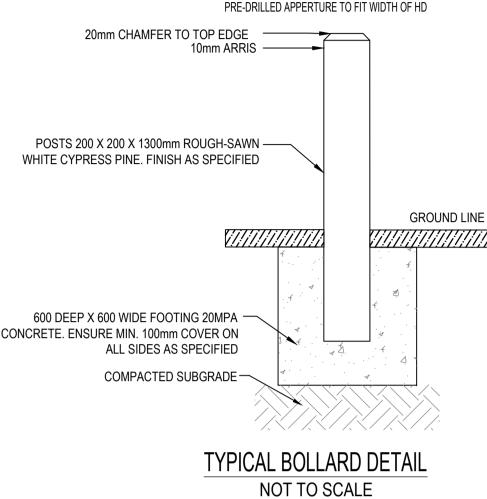
SPECIFICATION FOR SAMI SEAL

THE SAMI TREATMENT SHOULD CONSIST OF A SIZE 10 SPRAYED SEAL USING CLASS S18RF BITUMEN CRUMB RUBBER BINDER PLACED AT AN APPLICATION RATE > 1.81/m2 AND COVERED WITH A LIGHT APPLICATION OF PRE-COATED SIZE 10 AGGREGATE. THE CLASS S18RF BINDER SHALL BE PRODUCED USING NOT LESS THAN 20 PARTS OF CRUMBED RUBBER (18%) BY MASS OF BINDER. THE VOLUME OF CARRIER OIL USED BEFORE ANY CUTTING OIL IS ADDED SHALL NOT EXCEED 4 PARTS BY VOLUME OF BINDER. IT IS IMPORTANT THAT THERE IS NO LOOSE AGGREGATE REMAINING

ON THE SAMI SURFACE WHEN THE STRUCTURAL COURSE ASPHALT IS PLACED SO AS TO ENSURE A STRONG BOND BETWEEN THE SAMI TREATMENT AND THE SUBSEQUENT ASPHALT LAYER. THE SAMI TREATMENT SHALL BE PRECEDED BY PLACEMENT OF A BITUMENOUS PRIME, AND NOT A PRIMER SEAL, APPLIED TO THE UNDERLYING UNBOUND BASE MATERIAL.

- 37. THE RELATIVE COMPACTION OF CRUSHED ROCK SHALL BE COMPLETED AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY (BASED ON THE PERCENTAGE OF THE MAXIMUM DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS BELOW. FOR DEPTH 0-100mm BELOW TOP OF BASE: RELATIVE COMPACTION = 100% FOR DEPTH 100-300mm BELOW TOP OF BASE: RELATIVE COMPACTION = 98% FOR DEPTH OVER 300mm BELOW TOP OF BASE: RELATIVE COMPACTION = 97%
- 38. THE SUBGRADE BELOW ALL PAVEMENTS SHALL BE COMPACTED TO A DRY DENSITY OF NOT LESS THAN 100% OF THE MAXIMUM DRY DENSITY OBTAINED IN THE STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm AND IN AREAS OF FILL TO A DEPTH OF 450mm.
- 39. CONCRETE TO HAVE A 28 DAY STRENGTH OF 25 Mpa.
- 40. ALL SPLAYS ARE 3.00m X 3.00m UNLESS OTHERWISE SHOWN.
- 41. ALL LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (A.H.D.)
- 42. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL SUPERVISING ENGINEER.
- 43. THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM, S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED. THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.

MELWAY REF. SURVEY DESIGN DRAWN DATE REMARKS CHECKED



44. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.

45. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. PALINGS TO BE ON THE RESERVE SIDE AND STAINED IN A DARK GREEN COLOUR ON THE SIDE FACING THE RESERVE TO THE SATISFACTION OF COUNCIL.

46. PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD. DWG. 7251/4/203) ALONG FULL EXTENT OF OUTFALL DRAINS. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.

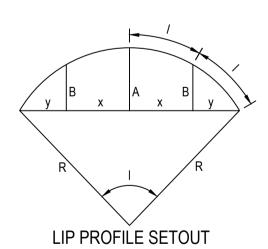
#### **PIT SCHEDULE NOTES**

1. WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm x 600mm.

2. PIT BASE TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROP ACROSS PIT IS LESS THAN 50mm.

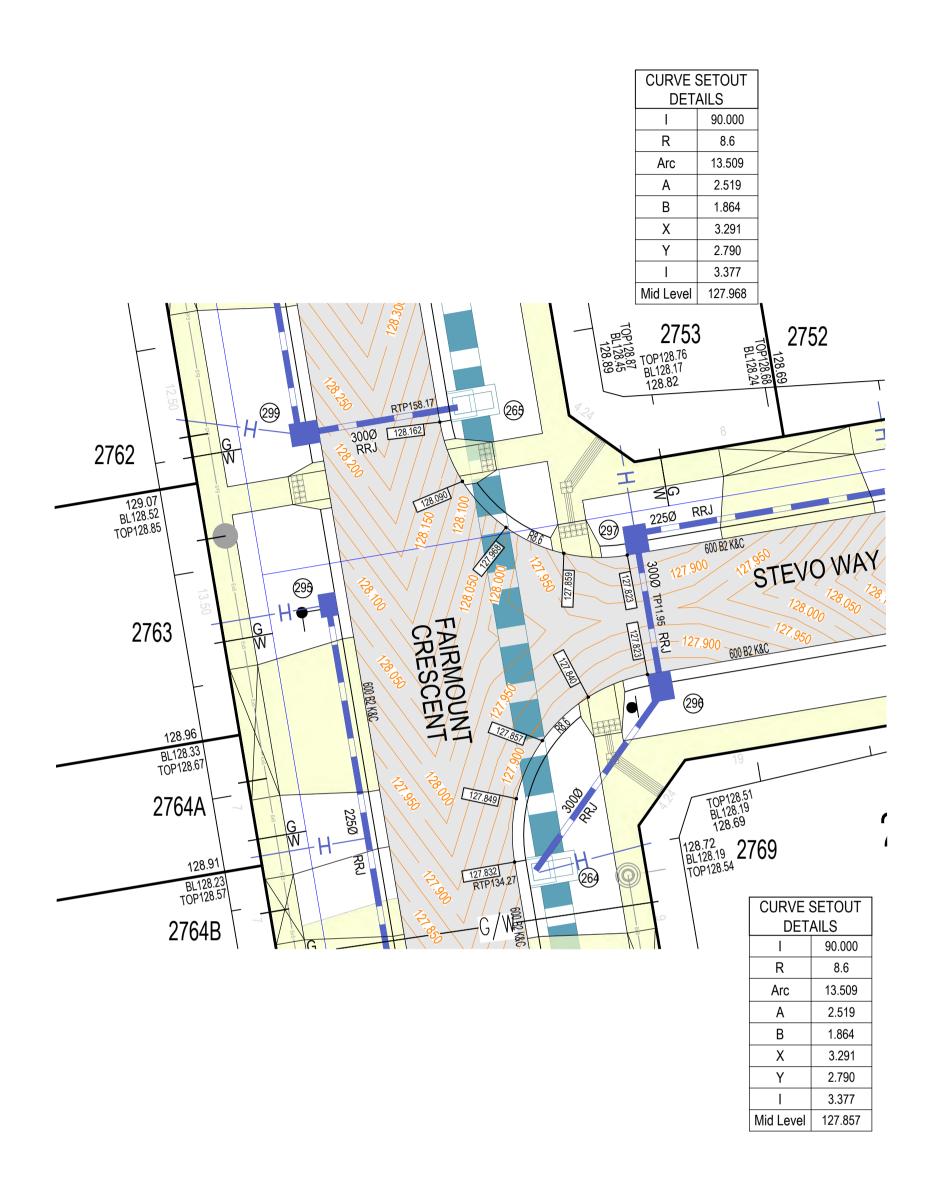
3. ALL PITS LOCATED WITHIN THE ROAD RESERVE (INDICATED THUS \*) SHALL BE PROVIDED WITH TERRA FIRMA OR APPROVED EQUIVALENT PIT LID WITH A LOCKABLE COVER.

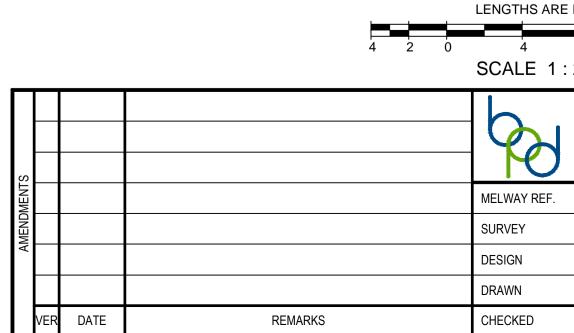
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354-C-12	AS	PIRE ESTA	TF		MUNICIPA		
BPD		STAGE 27A	—		MEL	ΓΟΝ	
J.B			-		REFEREN		
I.W	ROAD PAVE	MENT DETAIL	_S &	NOTES	8226	E 27A	
-	SCALE AS SHOWN	DATUM AHD	DATE	APRIL '21	SHEET	03 OF 12	<i>P1</i>



#### NOTES

- a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.
- b) HAZARD / DIRECTIONAL TGSI'S SHOWN THUS : / AND FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGSI'S SHALL CONFORM TO AS1428.4
- c) STREET SIGNS TO HAVE MINIMUM 2 WEDGES IN THE SLEEVES
- d) RETURN & ELBOW LIP OF KERB CHAINAGES PREFIXED WITH AN "R" (eg RTP35.83)

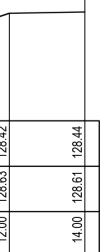


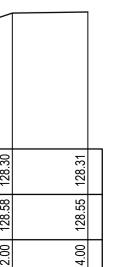


RE IN METRES	L D M S S S W W H S S S C C S S S C C S S S S S S S S S	YMBOL LEGEN rains ain Drains ewer < 300Ø ewer ≥ 300Ø ater (DW) ater (NDW) ouse Drain roperty Inlet reet Sign SM ock Ret Wall eeper Ret Wall onduits 50mm onduits 50mm onduits 100mm reet Tree without/with assive Irrigation (Refer etail)	Prop Prev S S S DW V NDW V H	W	FS @ Bui Top/Toe of Top Ret. 1 100yr Flo Fill Propo Cut Propo Aspalt Su Concrete (Paths/Dr	of Batter Wall Level od Level sed (<0.3m/≥0.3	+28.51 +NS28.51 +FS28.51 + $BL28.51$ + $TOP28.51 +TOE28.51$ + $TW28.57$ + $FL28.57$ 3m)
<sup>8</sup> 1 : 200 (A1)	16 Ex	< Drains < Water DW/NDW < Sewer/Gas < Elect/Comm < Optic Fibre	- Ex DW - Ex N - Ex S - Ex - Ex E - Ex - Ex O -	G —	Tree To E Tree Prot	Be Retained with ection Zone (TP	Z)
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354-C-12 BPD	AS	SPIRE E STAGE		Έ		MUNICIPALIT	
J.B I.W	INTERSE	ECTION E		. PL	ANS	REFERENCE 8226 <sup>E</sup>	27A
-	SCALE AS SHOWN	DATUM AHD	D	ATE	APRIL '21	SHEET	04 OF 12 <i>P1</i>

		6.20 4.65 0.60	20.00 7.60 6.40	6.20 4.65	50 0.05
	<u>1 in 6</u>	<u>1 in 20</u>		<u>1 in 20</u> <u>1-in</u>	50- <u>1in6</u>
RL128.0DESIGN RL11/100EXIST RL92/000OFFSETS00/00000/00011/100	-12.00 129.17 129.15 -10.00 128.97 128.81 -9.95 128.96 128.81 -8.45 128.81 128.78	-3.80 128.47 128.55 -3.20 128.47 128.44 -3.20 128.47 128.44	0.00     128.47     128.55       3.20     128.47     128.44       3.20     128.47     128.44       3.80     128.47     128.55	8.45 128.81 128.78	9.95     128.96     128.81       10.00     128.97     128.81       12.00     128.96     128.15       12.00     128.96     129.15       14.00     128.93     129.16
CH 179.97	1 in 6 1 in 50			<u>1 in 20</u> <u>1-1-in</u>	50 1in6
DESIGN RL 11/102   EXIST RL 17/102   OFFSETS 00/14- 1-   CH 176.22	-12.00 129.15 129.11 -10.00 128.95 128.78 -9.95 128.94 128.78 -8.45 128.79 128.75	-3.80 128.45 128.52 -3.20 128.45 128.41 -3.20 128.45 128.41	0.00 128.45 128.51 3.20 128.45 128.41 3.80 128.45 128.41 3.80 128.45 128.52	8.45 128.79 128.75	9.95     128.94     128.78       10.00     128.95     128.78       12.00     128.94     129.11       12.00     128.94     129.11       14.00     128.91     129.13
	1 in 6 1 in 50		0:1	<u> </u>	50 1in6
RL127.0     DESIGN RL   80     EXIST RL   01     OFFSETS   00     RTP CH 158.02	-12.00 129.06 128.87 -10.00 128.86 128.54 -9.95 128.85 128.53 -8.45 128.70 128.50	-3.80 128.36 128.27 -3.20 128.36 128.16	0.00 128.36 128.27 3.20 128.36 128.16 3.20 128.36 128.16 3.80 128.36 128.27	8.45 128.70 128.50	9.95     128.85     128.53       10.00     128.86     128.54       12.00     128.86     128.54       12.00     128.86     128.87       14.00     128.83     128.33
	1 in 6 1 in 50	1 in 20	0:1	<u>1in20</u> 1in	50 1 in 6
RL126.5DESIGN RL99 82EXIST RL60 82OFFSETS70 1 1RTP CH 134.42	-12.00 128.79 128.54   -10.00 128.59 128.21   -995 128.58 128.20   -8.45 128.43 128.17	-3.80 128.00 127.94 -3.20 128.01 127.83	0.00 128.05 127.94 3.20 128.01 127.83 3.80 128.01 127.83 3.80 128.00 127.94	8.45 128.43 128.17	9.95     128.58     128.20       10.00     128.59     128.21       12.00     128.68     128.54       12.00     128.68     128.54       14.00     128.65     129.55
	1 in 6 1 in 50	<u>1 in 20</u>	0:1	<u></u>	50 1 in 6
RL127.0DESIGN RL\$7EXIST RL80OFFSETS00CH 126.22	-12.00 128.64 128.42 -10.00 128.44 128.09 -9.95 128.44 128.09 -8.45 128.29 128.06	-3.80 127.82 127.83 -3.20 127.82 127.83	0.00 127.89 127.82 3.20 127.82 127.72 3.80 127.82 127.73	8.45 128.29 128.06	9.95     128.44     128.09       10.00     128.44     128.09     /       12.00     128.63     128.42     /       14.00     128.61     128.44     /
	1 in 6 1 in 50		6:1 36:1	<u>1 in 20</u> <u>1 in</u>	50 1in6
RL126.5DESIGN RL $\begin{subarray}{c}{c} \\ \hline $	-12.00 128.72 128.30   -10.00 128.71 127.96   -9.95 128.71 127.96   -8.45 128.70 127.93	-3.80 128.68 127.70 -3.20 128.68 127.59 -3.20 128.68 127.59	0.00 128.66 127.68 3.20 128.64 127.59 3.80 128.64 127.59	8.45 128.62 127.93	9.95     128.60     127.96       10.00     128.60     127.96       12.00     128.58     128.30       14.00     128.55     128.31

			- EXISTING LEFT & RI LIP OF KE	ĠHT	26)		HIMIT OF CONSTRUCTION			EXIST	ING SU		LINE T TITLE BOUNDAF STING SURFACE	RY LEFT 8 LIP OF		LIMIT OF CONSTRUCTION						/		UTURE EFT & RIGH IP OF KERE						-====:-
DESIGN CL VC LENGTH DESIGN CL GRADING HORIZONTAL GEOMETRY DATUM RL124			1.4 9												CH 174.19							9%						CH 260.00		1%
ES LEFT TITLE BDY	128.09	128.19 128.25 128.25	128.41	128.42 128.50	128.54	128.64	128	128.74 128.74 128.76	128	128.89 128.91	128.93	128.96 128.98	129.07 129.07 129.07	129.16	129.19 129.21	129.22	129.24	129.26	129.30 129.30	129.	129.37	129.39 129.40	129.43	129.49				129.66 129.66	129.66	129.71
FS LEFT TITLE BDY	127.35	127.55 127.52 127.55	127.66	127.74 127.74	127.77 127.82	127.88	127.96	127.97 127.99 128.01	128.09 128.14	128.21 128.23	128.28	128.33 128.37	128.52 128.54 128.54	128.70	128.76 128.78	128.81	128.89	128.94	128.99 129.00 129.01	129.06	129.12	129.17 129.18	129.23	129.29				129.53	129.57	129.62
LEFT LIP OF KERB	126.98	127.09 127.15 127.17	29		40	.51	20	127.62 127.64	72 76			127.96 128.00	128.15 128.16 128.16	128.32	128.39 128.41	128.44	128.52	128.56	128.62 128.63 128.63	66	128.74	128.80 128.81		128.92	128.97 128.98	129.03	129.08	129.13 129.16	129.20	129.25
	27.06	127.18 127.24 127.26	38		53 53	127.60	89	127.74 127.74	82 87				128.25 128.27 128.27	128.43	3.50 3.51	128.55	128.63	128.67	73 73	62	128.85	128.91 128.92		129.02	129.08 129.09	129.13	129.19	129.24 129.27	8	129.36
DESIGN CL	<u> </u>			~ ~ ·		~			<u> </u>	원업	12	128	128128	136	128	13	1	1	<u>2</u>	128	12	연연	<u></u>						<u>_</u>	<u></u>
RIGHT LIP OF KERB	126.98 1					51	127.59 12	127.62 1. 127.64 1.			127.91 12	127.96 128.07 128.00 128.10	128.15 128.15 128.16 128 128 13 128 13 128	128.32 128	128.39 128. 128.41 128.			220	128.62 128. 128.63 128. 128.63 128.	128.69 12										
	126.98 1	127.09 127.15 127.15 127.15	.66 127.29	.67 127.30 .74 127.37	.77 127.40 .82 127.44	.88 127.51	127.59	127.62 127.64	127.72 127.76	127.83 127.86	127.91 12	127.96 128	128.15 128.15 128.16 128.10	128.32	.76 128.39 .78 128.41	128.44	128.52	94 128.56	99 128.62 00 128.63 01 128.63	06 128.69	128.74	128.80 128.81	128.86	128.92	128.97 128.98	40 129.03	46 129.08	129.13 129.16	57 129.20	.62 129.25
RIGHT LIP OF KERB	126.98 1		127.66 127.29	127.30	127.77 127.40 127.82 127.44	.88 127.51	127.96 127.59	128.61 127.99 127.60 1. 128.61 127.99 127.62 1. 128.62 128.01 127.64 1.	127.72 127.76	127.83 127.86	127.91 12	127.96 128	128.15 128.16 128.16	128.70 128.32	128.39 128.41	128.44	128.89 128.52	128.94 128.56	128.62 128.63 128.63	129.06 128.69			129.23 128.86			129.03	129.08	129.13 129.16	58 129.57 129.20	129.25



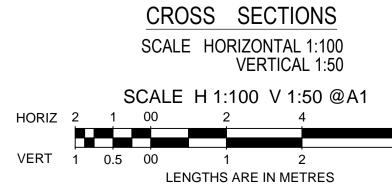


S				6	
AMENDMENTS				MELWAY REF.	354-C-12
MEND				SURVEY	BPD
A				DESIGN	J.B
				DRAWN	I.W
	VER	DATE	REMARKS	CHECKED	-

## FAIRMOUNT CRESCENT

SCALE HORIZ 10 5 00 VERT 1 0.5 00	TUDINAL SECTION     E HORIZONTAL 1:500     VERTICAL 1:50     H 1:500 V 1:50 @A1     10   20     40     1   2     1   2     1   2     4     1   2     4     1   2     4     1   2     4     1   2     4     1   2     4     1   2     4     4     1   4
	DSS SECTIONS E HORIZONTAL 1:100 VERTICAL 1:50
HORIZ 2 1 00	H 1:100 V 1:50 @A1 2 4 8 1 2 4 NGTHS ARE IN METRES
breese pitt dixon p land surveyors civil	ty. Itd.1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
ASPIRE ESTA	I MELION
STAGE 27A	REFERENCE
FAIRMOUNT CRES	8226 <sup>E</sup> /27A
SCALE AS SHOWN DATUM AHD	DATE APRIL '21 SHEET 05 OF 12 P1

	INT Fairm			FION V RESC		CH 1			EXIS — Le	TING EFT	S SU TITL ING LE LIF	BOUI IRFAC S SUR FT & I OF K ESIGN	CE UNE FAC RIGI (ERI N CE CH CRE	DAR E HT B ENT	REL 8.79			<b>ר</b>				,
			CH 3.35	IP127.99		CH 14.99						CH 35.00	IP128.41				I IMIT OF	$\supset$		-		
DESIGN CL VC LENGTH DESIGN CL GRADING HORIZONTAL GEOMETRY			3.33 %	//	-1 %	= 15m	VC		2.66	%		L= 20	m V(	C				-1.2 %				
DATUM RL125		<b>—</b> —											(0)	6								
ES LEFT TITLE BOUNDARY						128.79	128.70	128.69	128.62	128.55	128.50	128.41	128.36	128.29	128.27	128.19	128.17	128.02	127.96	127.93		
FS LEFT TITLE BOUNDARY					128.18	128.18	128.22	128.24	128.32 128.32	128.40	128.42	128.44	128.45	128.45	128.44	128.42	128.41	128.30	128.26	128.24	128.20	
LEFT LIP OF KERB					127.82	127.84	127.91	127.93	128.04	128.13	128.16	128.21	128.22	128.22	128.21	128.19	128.18	128.08	128 03	128.02		
DESIGN CL		128.10	127.99		$\sim$	N	128.02	128.04	128.14	128.23	128.27	128.31	128.32	128.32	128.32	128.29	128.28	128.17	128 13	128.11	128.07	
RIGHT LIP OF KERB					127.82	127.84	127.91	127.93	128.04	128.13	128.16	128.21	128.22	128.22	128.21	128.19	128.18	128.08	128 03	128.02	127.98	
FS RIGHT TITLE BOUNDARY	/				128.18	128.18	128.23	128.25	128.34	128.42	128.44	128.47	128.48	128.47	128.46	128.42	128.41	128.30	128.26	128.24		
ES RIGHT TITLE BOUNDARY	(					128.66	128.58	128.56	128.50	128.43	128.39	128.31	128.27	128.21	128.19	128.11	128.09	127.93	127.86	127.84		
CHAINAGE DESIGN CL		0.00	3.35	7.49	11.95	14.99		_	25.00		31.00	35.00	37.00	40.00	41.15	45.00	46.00	55.00	58.50	60.00	63.00	



4

			-			16.0	00				-	
			4	.05		7.9	0	•	4.05		-	
		0.05	1.50	2.50	0.60	6.7	0	0.60	2.50	1.50	-	0.05
	ſ		1 in 50	1 in 30	$\mathbb{N}$		36:1		1 in 30	1 in 50		
L127.0			$\mathbf{n}$								$\mathbb{N}$	
DESIGN RL'S	128.44	128.41	128.41 178.38	128.29	128.18	128.28	128.18	128.29	128.38	128.41	128.41	128.37
EXIST RL'S	128.19	128.17	128.17 128.16	128,14	128.14	128.12	128.11	128.11	128.10	128.09	128.09	128.08
OFFSETS	-11.00	-8.00	-7.95 6.45	-3.95	-3.35	0.00	3.35	3.95	6.45	7.95	8.00	11.00



L	-			16.	00
	4.20	)		7.6	60
0.05	1.50	2.65	0.60	6.4	10
1 in 6	1 in 50	1 in 30			30:1

RL127.0				$\mathbf{n}$					
DESIGN RL'S	128.56	128.60	128.45	128.44	128.41	128.33	128.22	128.32	128.22
EXIST RL'S	134.71	128.37	128.36	128.36	128.35	128.33	128.33	128.30	128.29
OFFSETS	-11.00	-8.95	-8.00	-7.95	-6.45	-3.80	-3.20	0.0	3.20

CH 37.00

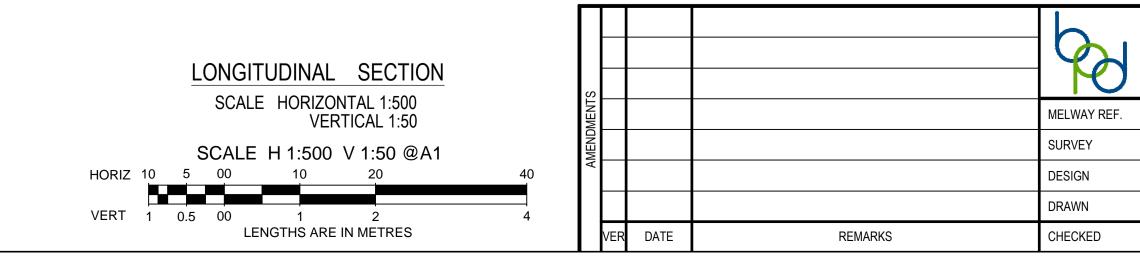
	-		1 in 6	<u> </u>	1 in 22.5		-30:1	30:1	_/	- <u>1 in 18.6</u>	<u>1 in 50</u>	1 in	6	
RL127.0				$\mathbf{i}$								$\sum$		
DESIGN RL'S	128.70	128.68	128.42	128.42 128.30	128.27	128.16	128.27	128.16	128.27	128.41	128.44	128.44	128.60	128.57
EXIST RL'S	128.52	128.51	128.50	128.50 128.49		128.47	128.44	128.42	128.41	128.39	128.39	128.39	128.38	128.38
OFFSETS	-11.00	-9.59	-8.00	-7.95 -6.45		-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.91	11.00

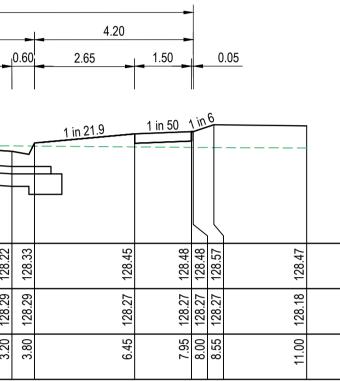
CH 31.00

RL127.0			1 in 50	<u>1 in 12.5</u>		-30:1	30:1		1 in 12.5	1 in 50	
DESIGN RL'S	128.21	128.18	128.18 128.15	127.93	127.82	127.93	127.82	127.93	128.15		
EXIST RL'S	128.86	128.84	128.84 128.82	128.80	128.80	128.77	128.75	128.74	128.72	128.71	
OFFSETS	-11.00	-8.00	-7.95 -6.45	-3.80	-3.20	00.0	3.20	3.80	6.45	7.95	0.00

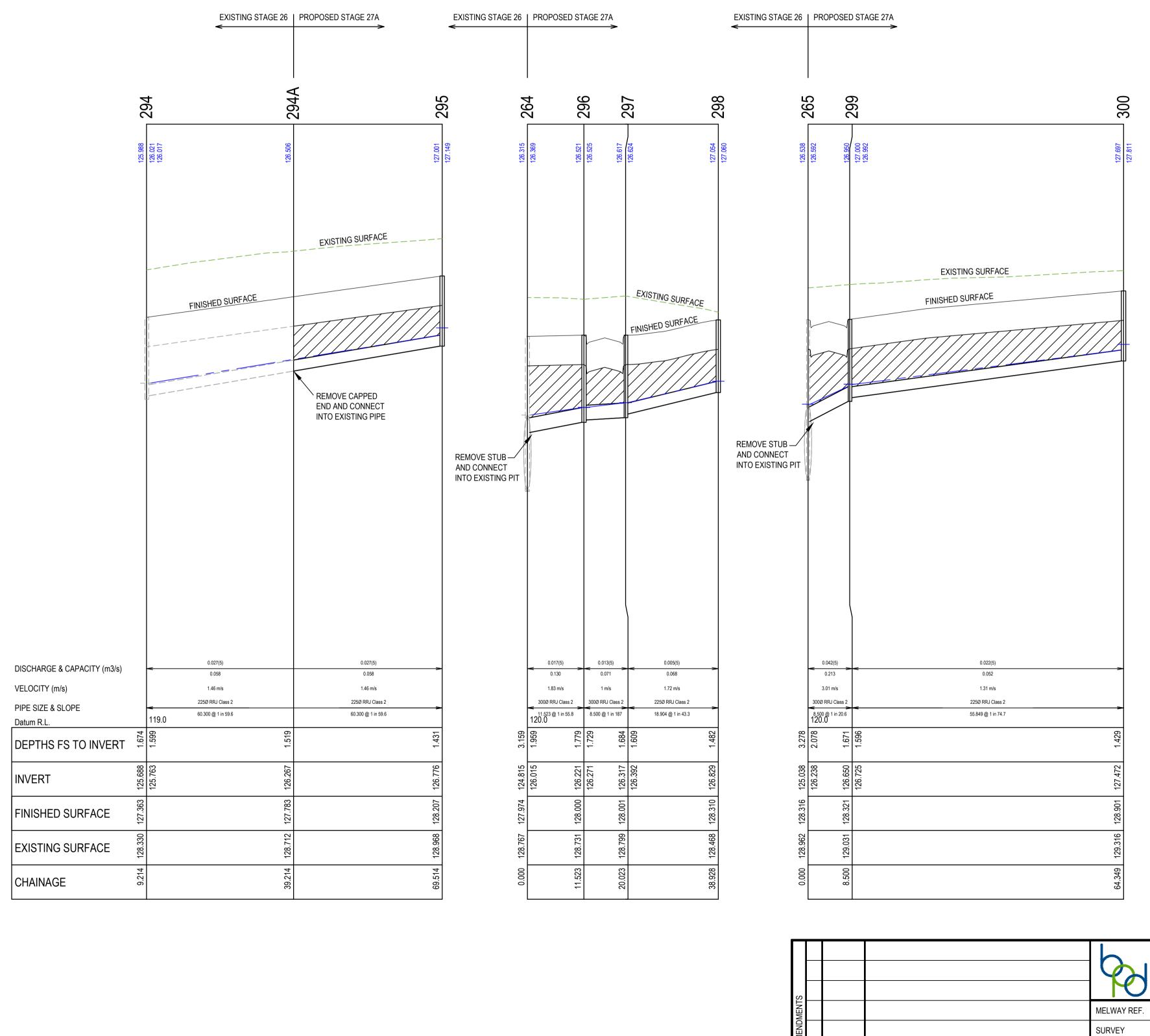
TP CH 11.95

STEVO WAY





	breese pi and surveyors		<b>ty.</b> engir		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
354-C-12	AS								
BPD		STAGE 27A			MEL	ΓΟΝ			
J.B			-		REFERENC				
I.W		STEVO WAY		8226	E 27A				
-	SCALE AS SHOWN	SHEET	06 OF 12	<i>P1</i>					



#### LEGEND:

— — — — — — EXISTING SURFACE PROFILE

------ INDICATES 5YR HGL

INDICATES CRUSHED ROCK BACKFILL

LENGTHS ARE IN METRES

10 5 0 10 20 HORIZONTAL SCALE 1 : 500 (A1)

40

PIT No.	DESCRIPTION	INTE DIMEN	RNAL SIONS	IN	LET	OU	「LET	TOP OF	DEPTH OF	REMARKS	
NO.		L	W	DIA	LEVEL	DIA	LEVEL	PIT	PIT		
294A	End of Pipe (Existing)					225	126.267	127.783	1.519	Remove Capped End and Connect into Existing Pipe	
295	Junction Pit	600	900			225	126.776	128.207	1.431	EDCM605 with Class B Cover.	
										E 298809.790, N 5825132.804/ E 298809.638, N 5825133.690	
296	Channel Grating Pit	600	900	300	126.271	300	126.221	128	1.779	EDCM601-605 with Class B Cover.	
297	Channel Grating Pit	600	900	225	126.392	300	126.317	128.001	1.684	EDCM601-605 with Class B Cover.	
298	Junction Pit	600	900			225	126.829	128.31	1.482	EDCM605 with Class B Cover.	
										E 298845.088, N 5825139.100/ E 298844.201, N 5825138.948	
299	Channel Grating Pit	600	900	225	126.725	300	126.65	128.321	1.671	EDCM601-605 with Class B Cover.	
										E 298808.250, N 5825141.866/ E 298808.401, N 5825140.980	
300	Junction Pit	600	900			225 127.472 12		128.901	1.429	EDCM605 with Class B Cover.	
										E 298798.917, N 5825196.786/ E 298799.069, N 5825195.899	

1 0.5 0 1 2 VERTICAL SCALE 1 : 50 (A1)

LENGTHS ARE IN METRES

	oreese pitand surveyors	Itd. neers	hawt telep	cato street horn east, 312 hone 8823 23 ho. 8823 2310	00		
354-C-12	AS		MUNICIPALITY				
BPD		STAGE 27A			MEL	TON	
J.B		LONGITUDINA	-	CTIONS	REFEREN		
I.W		INAGE PIT SCH		8226	5 <sup>E</sup> 27A		
-	SCALE AS SHOWN	APRIL '21	SHEET	07 OF 12	<i>P1</i>		

DESIGN

DRAWN

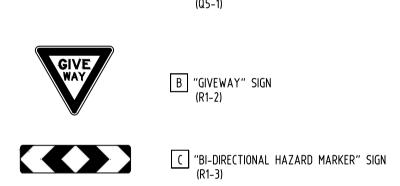
CHECKED

REMARKS

VER DATE



S.					
MENT				MELWAY REF.	3
AMENDMENT				SURVEY	В
A				DESIGN	J.
				DRAWN	Ι.
ľ	VER	DATE	REMARKS	CHECKED	-



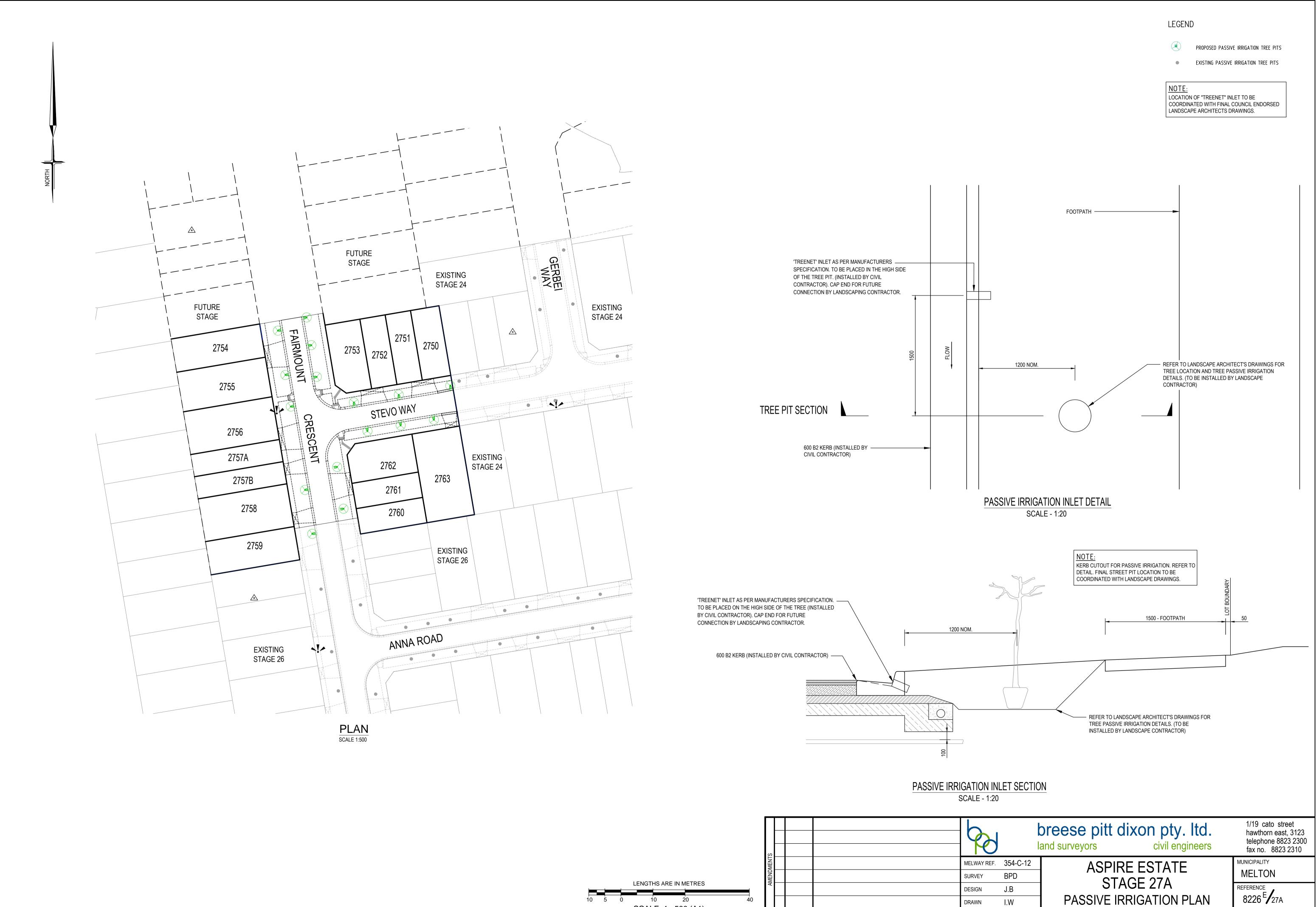
SIGNAGE LEGEND

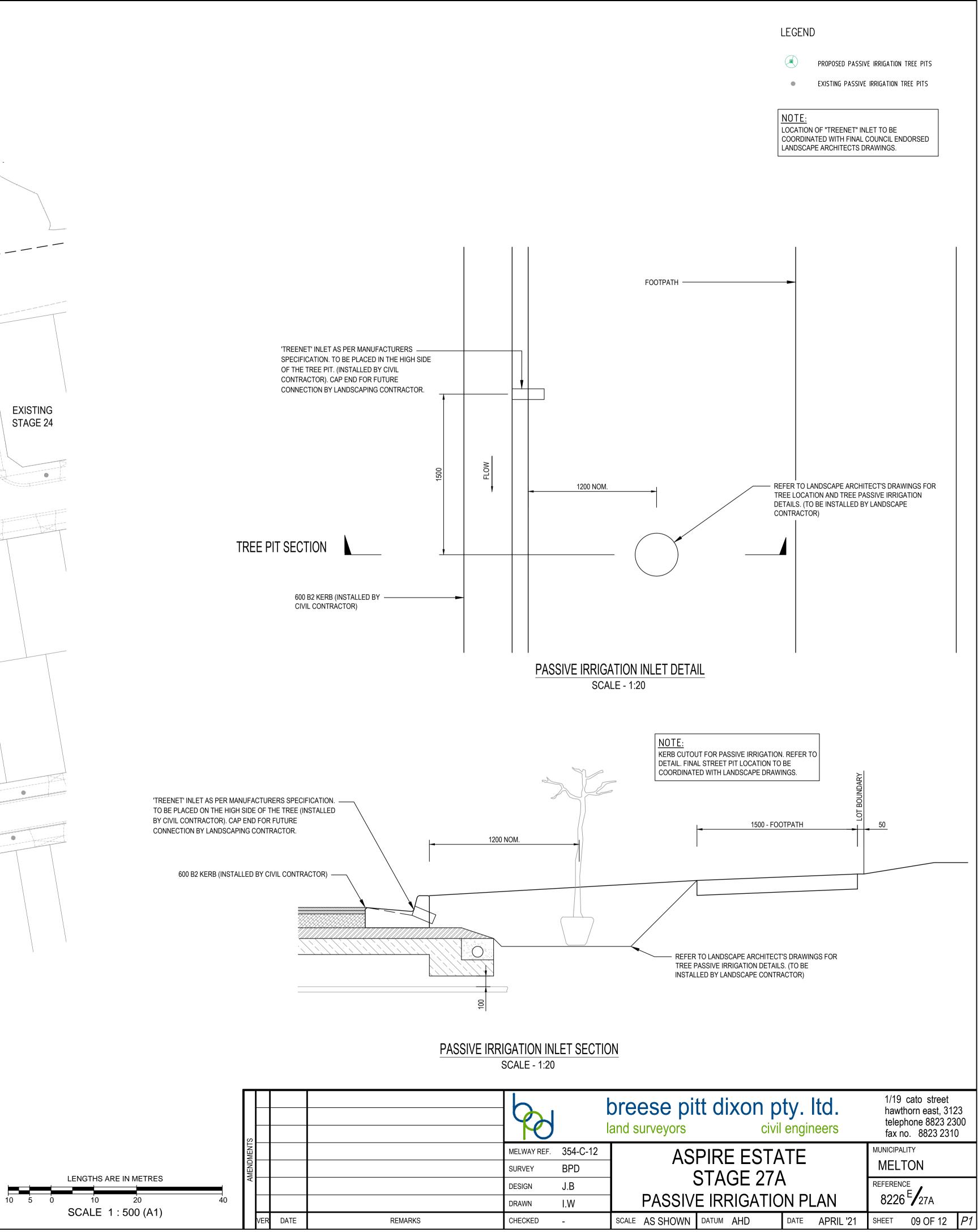
			SC/	ALE 1	: 500 (A1)		40	
λ		breese pir land surveyors	· · · · · · · · · · · · · · · · · · ·	ty. <sub>engir</sub>		hawt telep	cato street horn east, 31 hone 8823 2 io. 8823 231	300
F.	354-C-12		PIRE ESTA	TE		MUNICIPA		
	BPD					MEL	TON	
	J.B		STAGE 27A	-		REFEREN		
	I.W	SIGNAGE A	ND LINEMAF	RKIN	G PLAN	8226	5 <sup>E</sup> /27A	
	-	SCALE AS SHOWN	DATUM AHD	DATE	APRIL '21	SHEET	08 OF 12	P1
								_

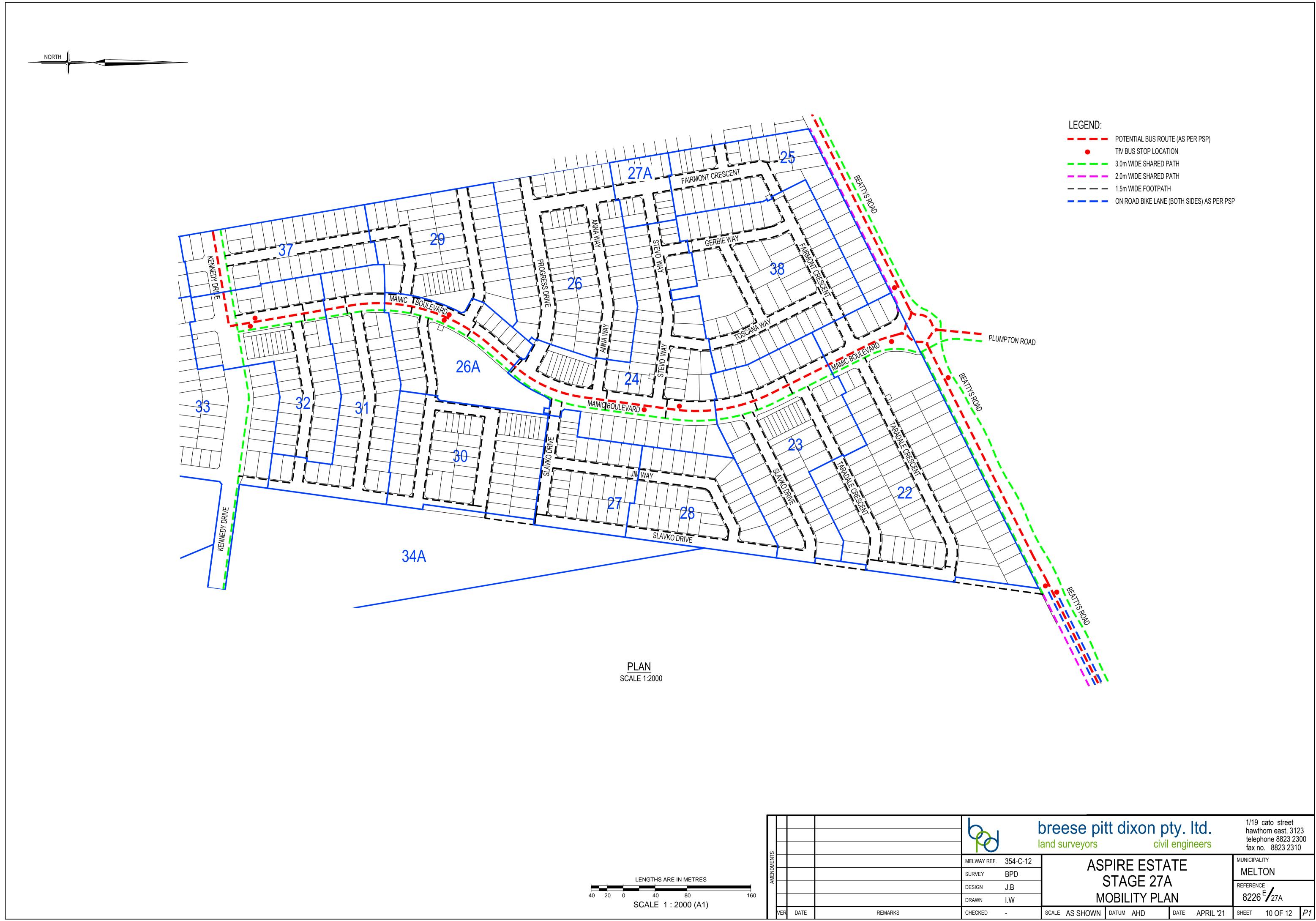
LENGTHS ARE IN METRES

B "GIVEWAY" SIGN (R1-2)

A STREET SIGNS (Q5-1)

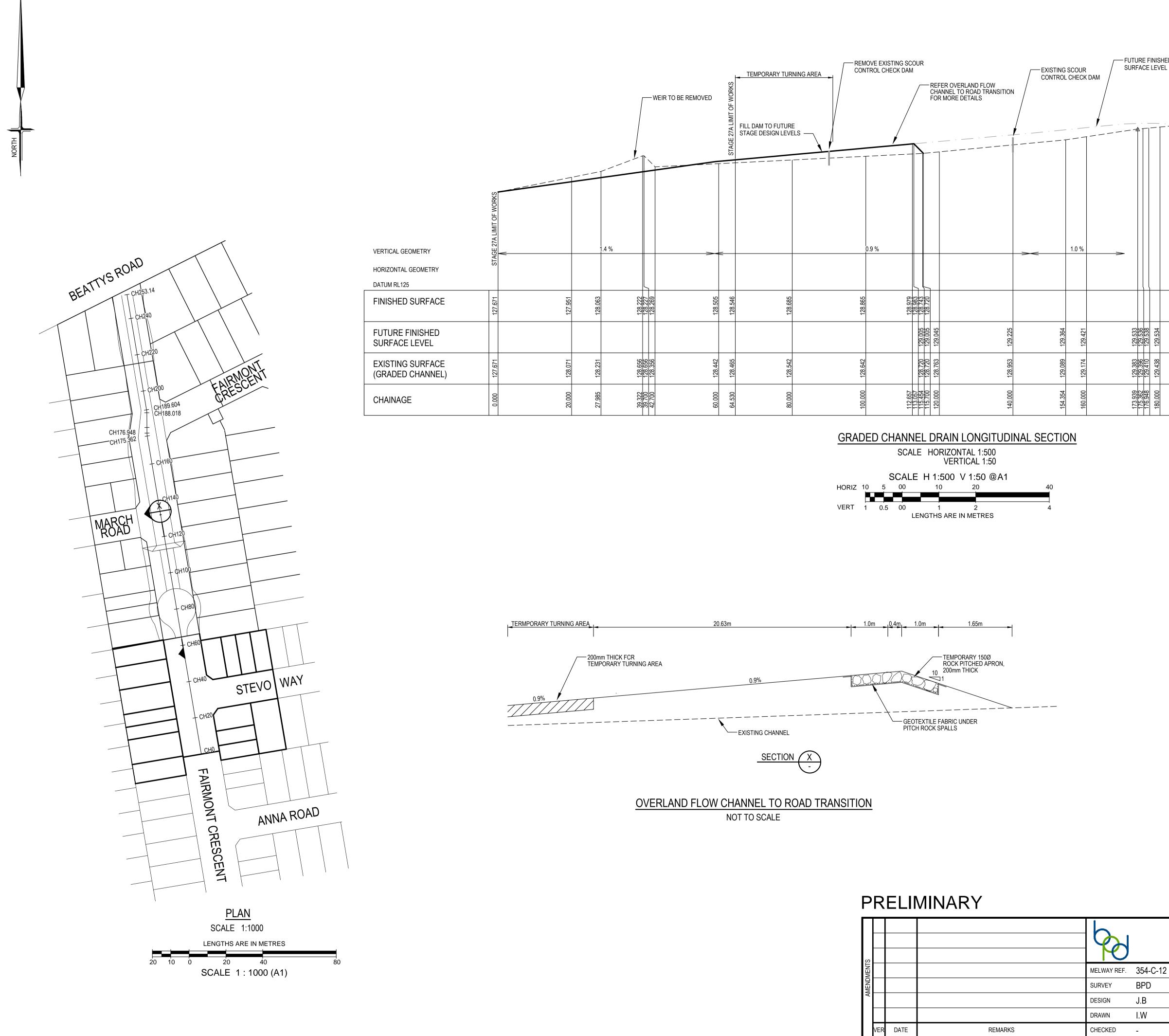




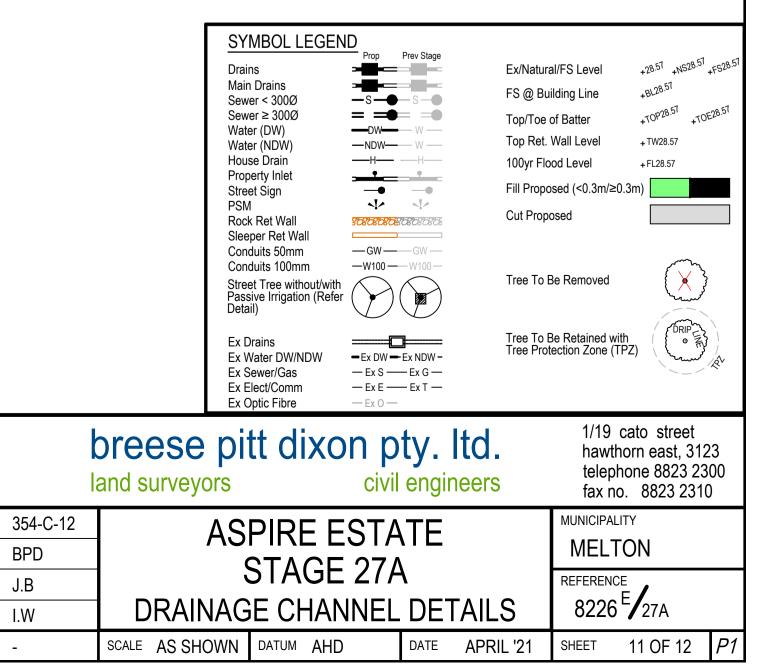




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JTURE F JRFACE					STING SCOUR NTROL CHECK DAM EXISTING SUI (GRADED CH/	RFACE ANNEL D	)RAIN)		SCOUR CHECK DAM	17
					1.0 %			0.5 %		
129.533 129.536 129.538	129.534	129.755	129.793	129.921	130.068	130.098	130.121	130.198	130.245	130.498
129.383 129.396 129.410	129.438	129.510	129.524	129.618	129.750	129.935	130.095	130.172	130.220	130.498
173.939 175.362 176.948	180.000	188.018	189.604	200.000	214.699	220.000	224.565	240.000	249.487	253.140





S				<b>b</b>	
AMENDMENTS				MELWAY REF.	3
MEND				SURVEY	E
A				DESIGN	J
				DRAWN	I
	VER	DATE	REMARKS	CHECKED	-

				S	
	10 5	0 10 SCALE	<sup>20</sup> 1 : 500 (A1	)	40
	SYMBOL LEGEN     Drains     Main Drains     Sewer < 300Ø     Sewer ≥ 300Ø     Water (DW)     Water (DW)     Water (NDW)     House Drain     Property Inlet     Street Sign     PSM     Rock Ret Wall     Sleeper Ret Wall     Conduits 50mm     Conduits 100mm     Street Tree without/with     Passive Irrigation (Refer     Detail)     Ex Drains     Ex Water DW/NDW     Ex Sewer/Gas     Ex Elect/Comm     Ex Optic Fibre	Prop Prev Stage	FS @ Bui Top/Toe & Top Ret. ' 100yr Flo Fill Propo Cut Propo Tree To E	ilding Line of Batter Wall Level od Level ⊳sed (<0.3m/≥0.3n	
breese land surveyo	pitt dixc	on pty. civil engir		hawthor telephor	to street n east, 3123 ne 8823 2300 8823 2310
354-C-12 BPD	ASPIRE E STAGE			MUNICIPALITY	N
J.B I.W E	ARTHWOR			REFERENCE	27A
- SCALE AS SHO	OWN DATUM AHD	DATE	APRIL '21	SHEET 1	2 OF 12 <i>P1</i>

LENGTHS ARE IN METRES