

## SERVICE OFFSETS AND LOCATION TABLE

Location	Gas	Wa	ater	Telecomm	unications	Elec	tricity	BOK	Road	Joint	Street
	Cas	NDW	DW	Cables	Pits	Cables	Poles		Width	Trenching	Classification
ANGELICA CIRCUIT	2.65 N		3.05 N	1.775 N	1.775 N	2.10 N	1.00 BOK	6.20 N 6.20 S	20.00	G&W, FTTH&E	ACCESS PLACE
ANGELICA CIRCUIT (EAST)	2.70 W		3.10 W	1.80 W	1.80 W	2.15 W	1.00 BOK	4.35 W 3.35 E	15.30	G&W, FTTH&E	ACCESS PLACE
ANGELICA CIRCUIT (WEST)	2.25 E		2.75 E	1.80 E	1.80 E	0.70 W	1.00 BOK	2.20 W 4.20 E	14.00	G&W, FTTH&E	ACCESS PLACE
RAKIA LANE	-		-	-	-	-	1.00 E	0.50 W 1.50 E	6.00		LANE
HARMONICA WALK	1.80 E		2.30 E	2.80 E	2.80 E	3.30 E	-	-	4.00	G&W, FTTH&E	WALK

NOTE: \* OFFSET FROM BACK OF KERB

NOTE:

KERB CUTOUT FOR PASSIVE IRRIGATION. REFER TO DETAIL ON SHEET 13. FINAL STREET PIT LOCATION TO BE COORDINATED WITH LANDSCAPE DRAWINGS.

PRELIMINARY LEVELS TO BE ADJUSTED
DURING THE DETAILED DESIGN PHASE ONCE
MW DRAINAGE SCHEME AND OVERLAND
FLOWS HAVE BEEN APPROVED.

# WARNING

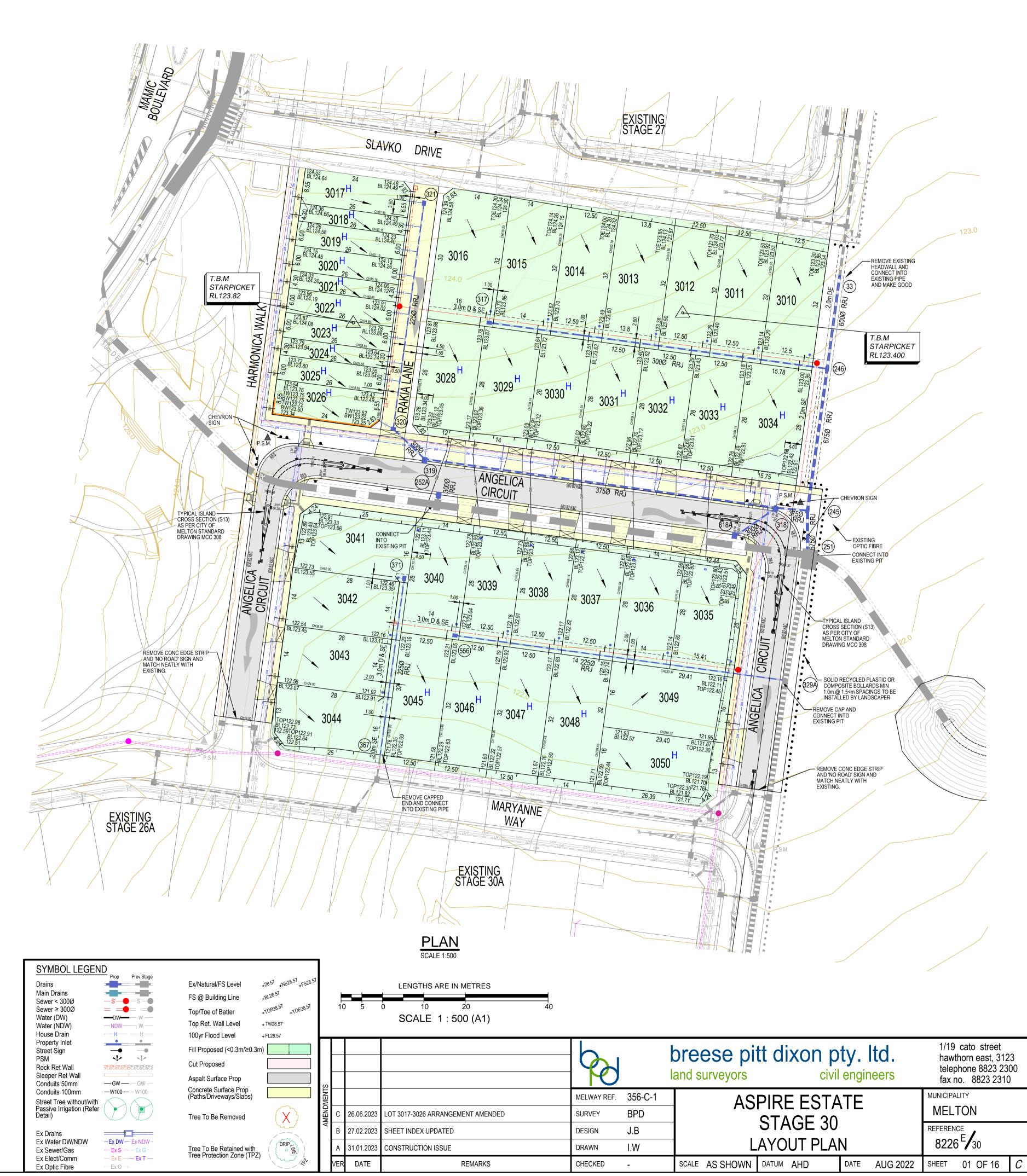
BEWARE OF UNDERGROUND SERVICES

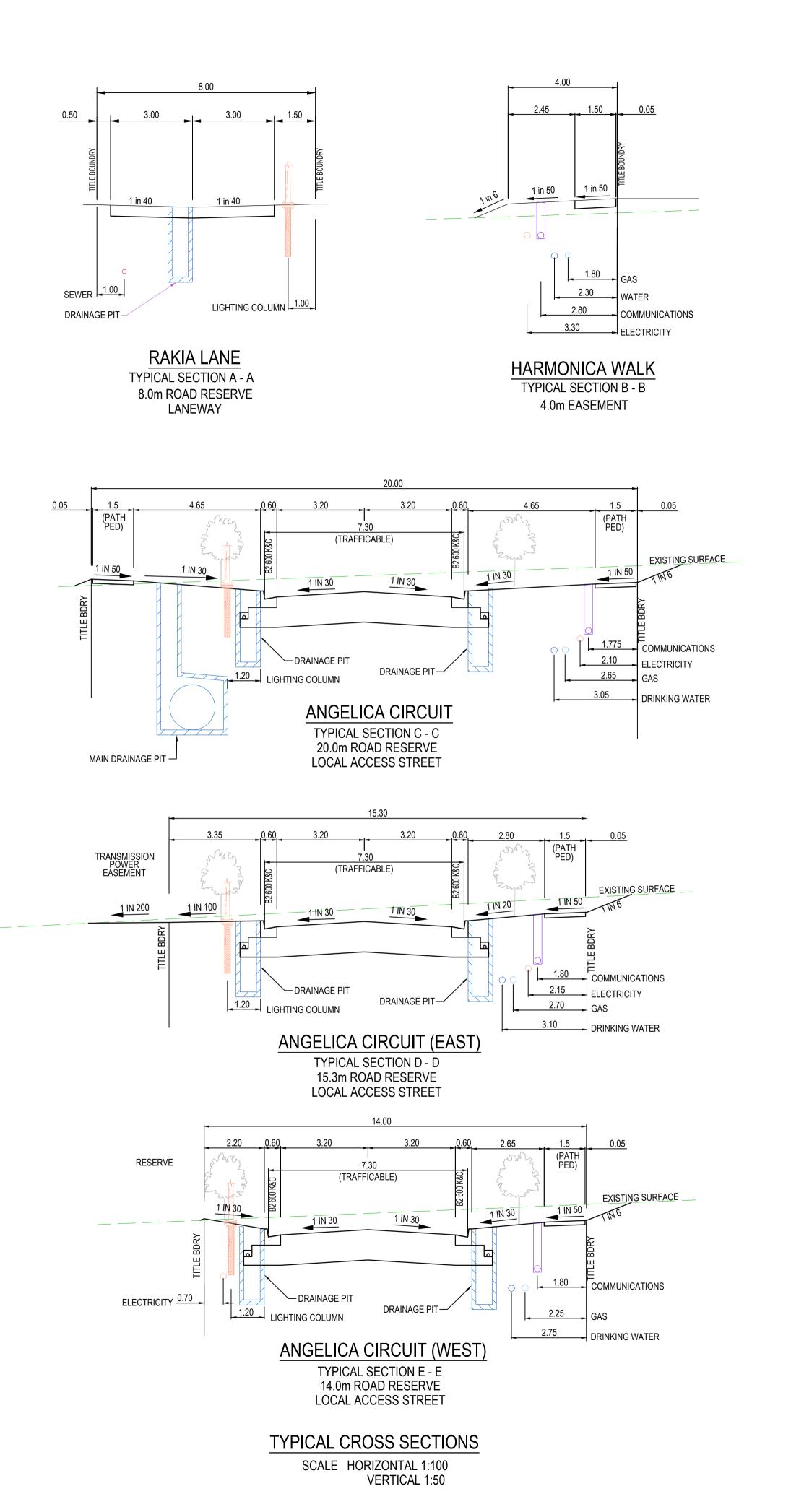
THE LOCATION OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN
THAT ALL EXISTING SERVICES ARE SHOWN.

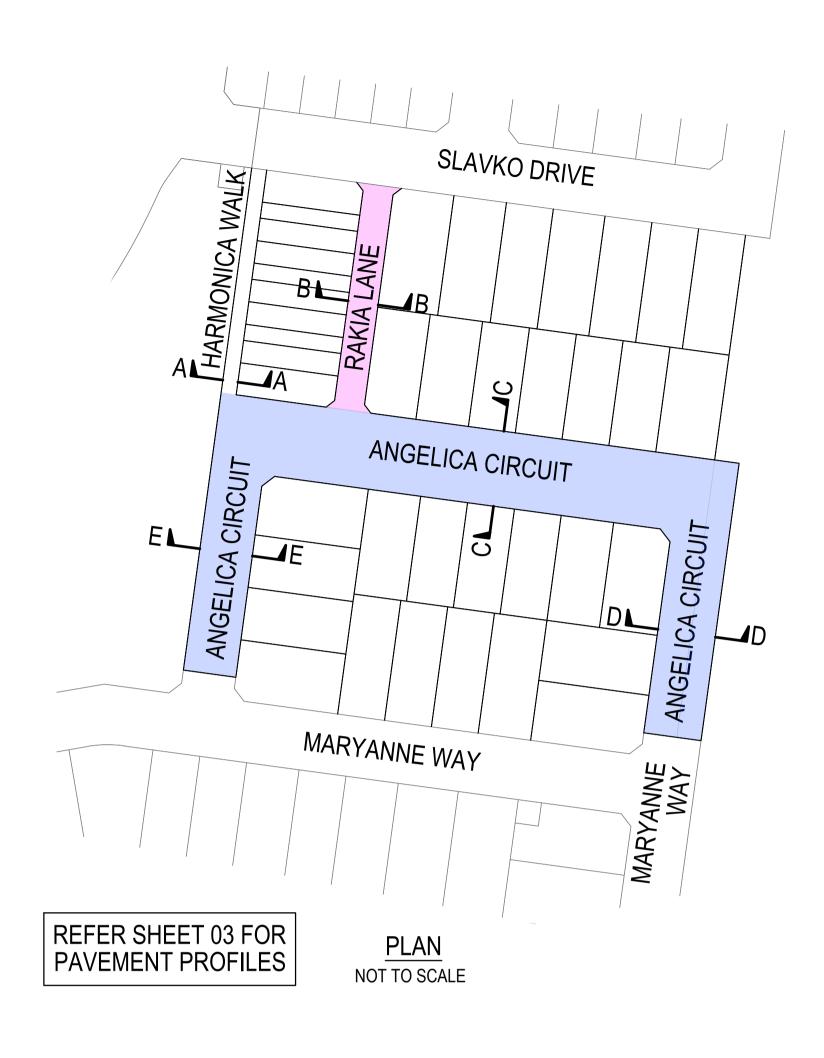
## ATTENTION TO CONTRACTOR

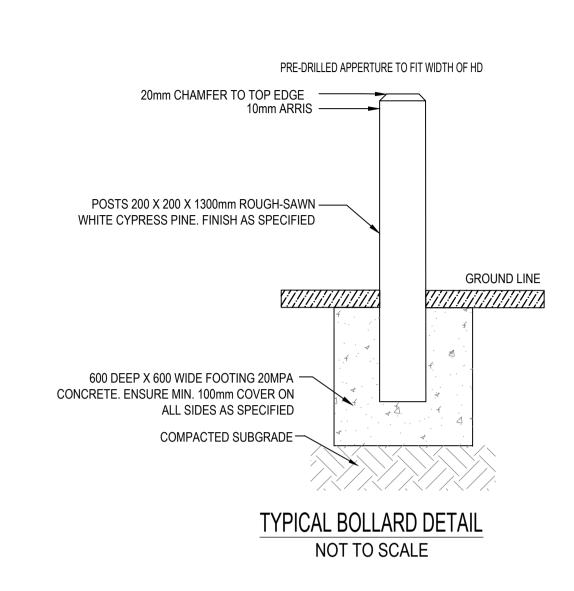
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM CO-ORDINATES SHOWN.
- 2. WHERE CONCRETE WORKS ABUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVAL MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.
- 3. CONTRACTOR TO ENSURE THAT THE SITE IS PEGGED AND OR SET OUT CHECKED BY THE LICENCED SURVEYOR RESPONSIBLE FOR CERTIFYING THE PLAN OF SUBDIVISION PRIOR TO UNDERGROUND INFRASTRUCTURE BEING INSTALLED.

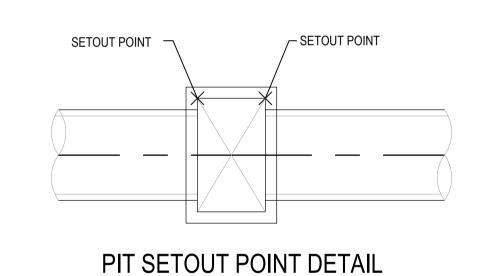
<b>0</b> 111	EET	INDEX
SHT No.	VER	Description
1	С	LAYOUT PLAN SHEET
2	В	TYPICAL CROSS SECTIONS
3	Α	ROAD PAVEMENT DETAILS & NOTES
4	В	ROAD PAVEMENT DETAILS
5	В	INTERSECTION DETAIL PLAN
	_	LONGITUDINAL & CROSS SECTIONS
6	A	ANGELICA CIRCUIT - SHEET 1 OF 4
7		CROSS SECTIONS
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		CROSS SECTIONS
8	A	ANGELICA CIRCUIT - SHEET 3 OF 4
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9	A	ANGELICA CIRCUIT - SHEET 4 OF 4
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10	В	RAKIA LANE
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12	В	& DRAINAGE STRUCTURE DETAILS
13	В	SIGNAGE & LINEMARKING PLAN
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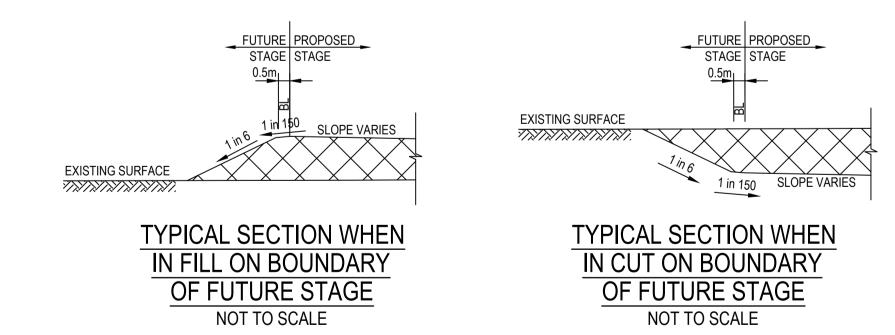


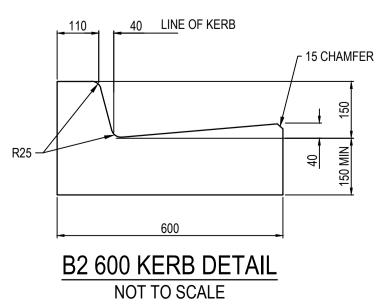






NOT TO SCALE





$\omega$				bo		breese pitand surveyors	•	ty. Itd. engineers	1/19 cato street hawthorn east, 31 telephone 8823 231 fax no. 8823 231	23 300
MFNT				MELWAY REF.	356-C-1	ΔΟ	PIRE ESTA	TE	MUNICIPALITY	
AMENDMENT				SURVEY	BPD	,		· · —	MELTON	
Ā		26.06.2023	LOT 3017-3026 ARRANGEMENT AMENDED	DESIGN	J.B		STAGE 30		REFERENCE	
	Α	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	TYPICAL	_ CROSS SE	CTIONS	8226 <sup>E</sup> /30	
	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET 02 OF 16	В

## 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
- 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 SHOWN.
- 14. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE.
- 15. LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER, ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE.
- 16. ALL RESERVE AREAS ARE TO BE SMOOTHED, GRADED, TOPSOILED WHERE REQUIRED WITH A 100mm COMPACTED LAYER OF TOPSOIL AND SEEDED ,USING AN APPROVED SEED MIX AND METHOD OF SOWING, SUCH THAT THE SURFACE IS SELF-DRAINING, STONE FREE AND ABLE TO BE MAINTAINED BY CONVENTIONAL MOWING EQUIPMENT.
- 17. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO 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 VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.2.1–1993. TESTING TO COMPLY WITH AS3798–1996 APPENDIX B, LEVEL 1.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
- 19. EARTH FILL IS TO BE COMPACTED TO A RELATIVE COMPACTION COMPARED TO A STANDARD COMPACTION TEST AS SPECIFIED BY VICROADS CORPORATION OF:

  -100% FOR ALL FILL MATERIAL AND MATERIAL UNDER FILL THAT IS LESS

  THAN 450mm FROM THE SURFACE.

  -95% FOR ALL FILL NOT COVERED AS ABOVE.
- 20. NATURESTRIP AND AREAS OF CUT ARE TO BE TOPSOILED AND GRASSED TO THE

SATISFACTION OF THE ENGINEER. MINIMUM DEPTH TO BE 100mm.

- 21. ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER. NO EXCAVATION WITHIN 5m OF ANY EXISTING NATIVE TREE WITHOUT APPROVAL OF THE ENGINEER.
- 22. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED, BY THE CONTRACTOR, PRIOR TO THE COMMENCEMENT OF WORKS.
- 23. SERVICES CONDUITS ARE TO BE PROVIDED AT 90deg TO KERB AND CHANNEL UNLESS 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 75mm ABOVE TOP OF CONDUIT TO SUB GRADE LEVEL, AND A SIZE SUITABLE TO SERVICE BUT NOT LESS THAN 50mm.
- 24. WATER AND GAS CONDUITS TO BE CONSTRUCTED ACROSS NATURE STRIPS AFTER ELECTRICAL CABLE WORK IS COMPLETED.
- 25. THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETER MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- 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. VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MELTON STANDARD DRAWINGS MSC501 TO MSC506.
- VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH GAA STANDARD
- 450mm LONG N12 DEFORMED BARS, CENTRALLY LOCATED, AT 300mm CENTRES.
- 28. ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/CYCLE PATHS SHALL BE 2.5m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED WITH SL72 MESH 50mm TOP COVER AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER VPA STD DWG EDCM401.

- 29. PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER TO COUNCIL STD DWG MCC403.
- 30. STREET SIGNS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARDS.
- 31. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER, PROVIDE AND MAINTAIN INCLUSIVE OF STREET SIGNS, ALL NECESSARY REGULATORY SIGNS, WARNING SIGNS, LIGHTING, LINEMARKING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF VICROADS SIGNING CODE OF PRACTICE.
- 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
- 33. ALL ROADS TO BE CONSTRUCTED WITH B2 KERB & CHANNEL UNLESS OTHERWISE SHOWN. REFER VPA STD DWG EDCM301.
- 34. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A ROAD OPENING PERMIT FOR WORKS IN PREVIOUSLY CONSTRUCTED ROADWAYS.
- 35. IF BLASTING IS REQUIRED THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT TO BLAST AND MAINTAINING SAFETY REGULATIONS ON SITE IN COMPLIANCE WITH THE EXPLOSIVES ACT 1960.

  THE PERSON WHO IS USING THE EXPLOSIVES ON THE SITE IS TO BE A HOLDER OF A CURRENT PERMIT TO USE EXPLOSIVES ISSUED UNDER THE EXPLOSIVES ACT 1960.
- 36. PATTERNED CONCRETE TO BE DOWELLED INTO ADJACENT KERB AND CHANNEL AT 300mm CTS USING 450mm LONG S12 BARS. ONE END OF DOWEL TO BE SLEEVED OR GREASED.
- 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.

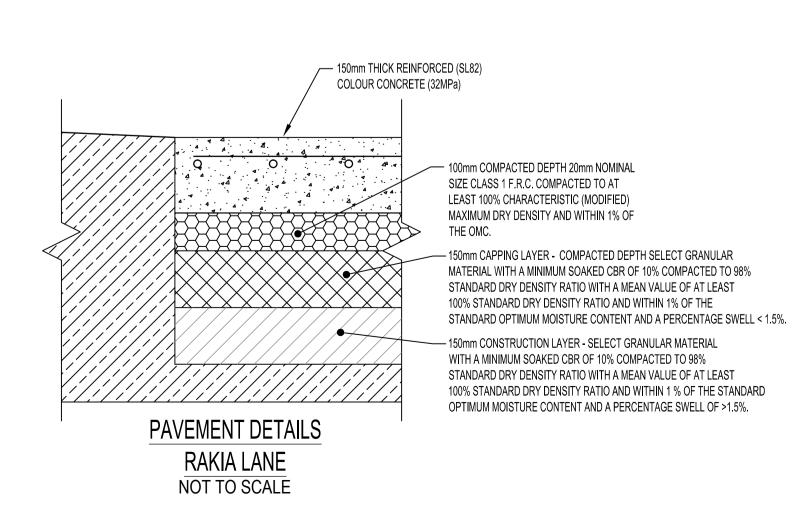
  FOR DEPTH 0-100mm BELOW TOP OF BASE: RELATIVE COMPACTION = 100%

  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
- 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.



SHADED AS ON SHEET 02 PLAN

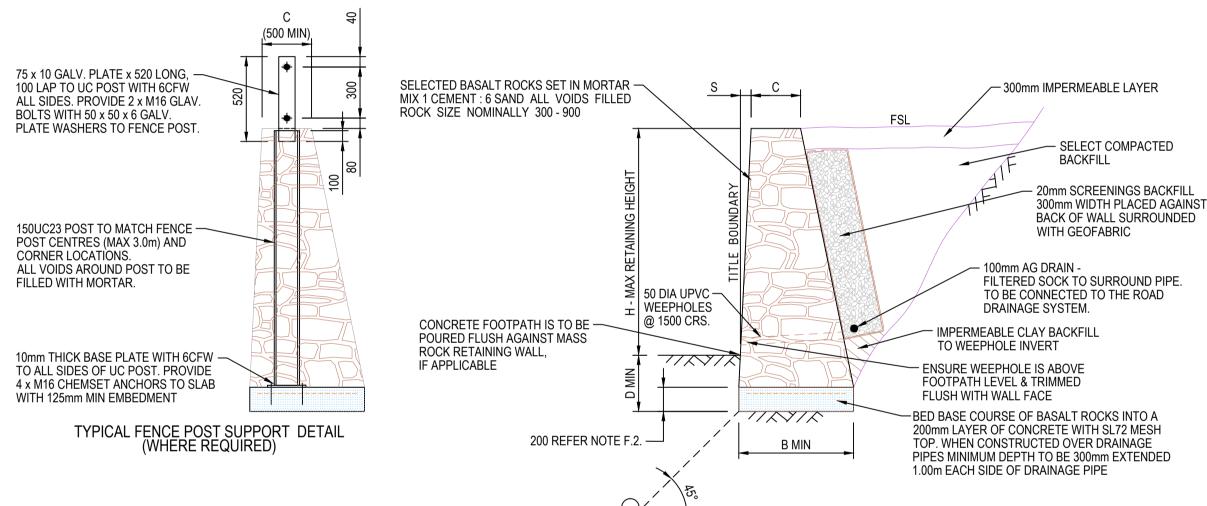
20mm COMPACTED DEPTH 7mm NOMINAL SIZE TYPE 'L' ASPHALT WITH C320 BINDER 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT WITH C320 BINDER 10mm SAMI SEAL WITH CLASS S18RF BINDER AND BITUMINOUS PRIME 140mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE 100mm TOPSOIL DRESSING CRUSHED ROCK. COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY KERB TYPE AS SPECIFIED RATIO WITH A MEAN VALUE OF AT LEAST 100% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT ORDINARY BACKFILL COMPACTED TO 95% SDDR 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 100mm CLASS 400 PERVIOUS PIPE WITH SECOND STAGE DRY DENSITY RATIO AND WITHIN 1 % OF THE MODIFIED OPTIMUM GEOTEXTILE FILTER SOCK AND 20mm SIZED COUNCIL MOISTURE CONTENT APPROVED SCREENING OR NO FINES CONCRETE 150mm CAPPING LAYER - COMPACTED DEPTH SELECT GRANULAR ALL AG DRAINS SHALL BE IN ACCORDANCE WITH MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO 98% EDCM STANDARD DRAWING- EDCM 202a 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 < 1.5%. 150mm CONSTRUCTION LAYER - SELECT GRANULAR MATERIAL CONDUIT WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1 % OF THE STANDARD PAVEMENT DETAILS OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF >1.5%. ALL OTHER ROADS - 600mm DEPTH TOTAL PAVEMENT DEPTH 600mm SUBGRADE - NATURAL SILTY CLAY TESTED TO CONFIRM AN

### 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 > 1.8I/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.



PROPOSED SEWER

(REFER NOTE e)

FOUNDING FRONT FACE | CREST HEIGHT - H DEPTH - D WIDTH - B SETBACK - S WIDTH - C ( mm ) ( mm ) 500 300 515 500 500 1000 300 600 30 1500 850 500

MASS ROCK RETAINING WALL SCHEDULE

IN-SITU CBR OF AT LEAST 2% OR APPROVED FILL COMPACTED TO AT

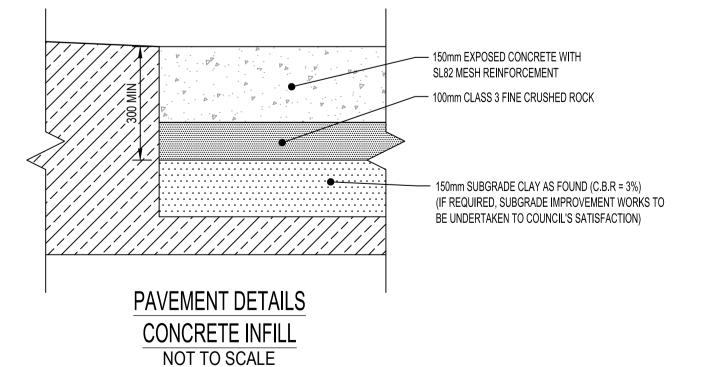
2% OF THE STANDARD OPTIMUM MOISTURE CONTENT.

LEAST 100% STANDARD DRY DENSITY RATIO (SOAKED CBR >2%) WITHIN

MASS ROCK RETAINING WALL DETAIL (RW1)

(DIMENSIONS IN MILIMETRES)

NOT TO SCALE

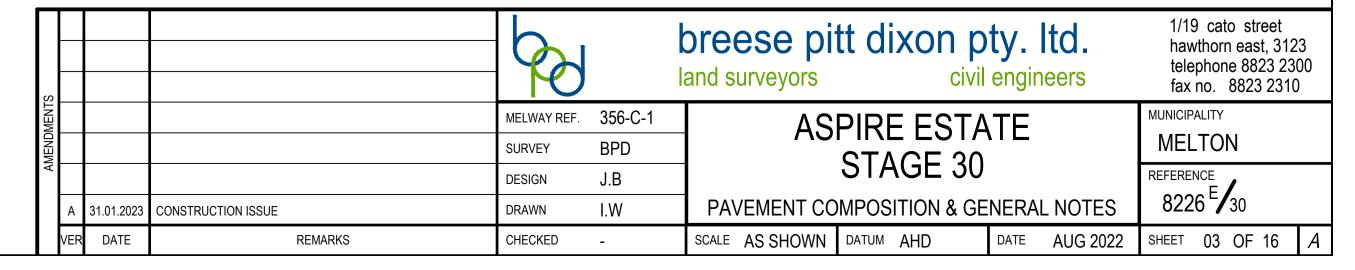


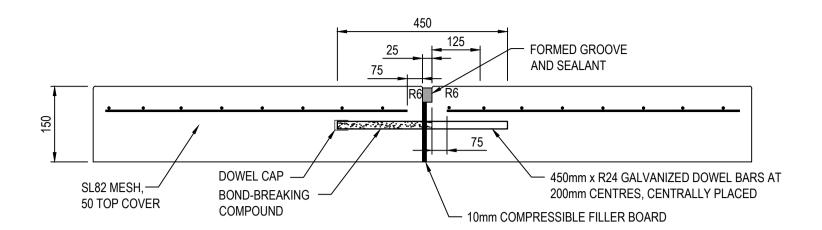
FOOTING NOTE F.2.

a. TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL

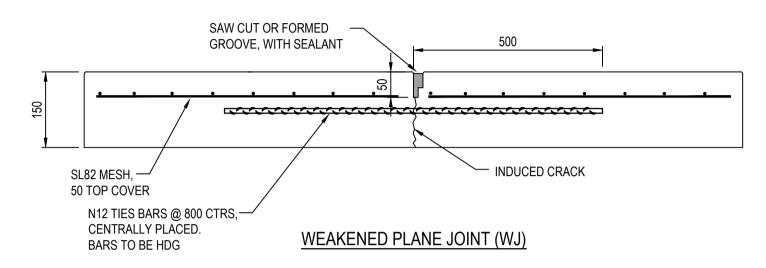
ON SHEET 02 PLAN

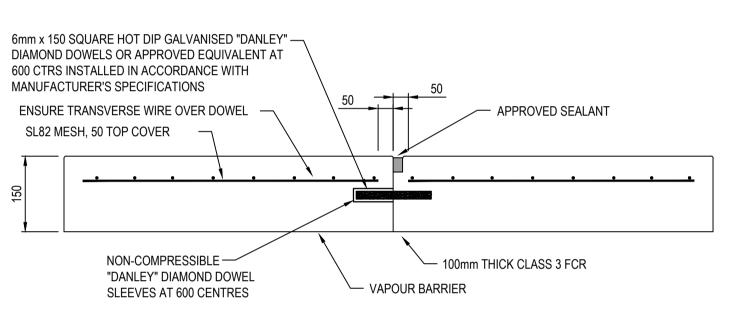
- SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STIFF CLAY OR WEATHERED ROCK.
  ALL EXCAVATIONS SHALL HAVE FOUNDING DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED.
- FOOTING EXCAVATIONS WHICH ARE DEEPENED TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.
- b. ALL EXCAVATION FOUNDING SURFACES SHALL BE LEVEL ( NOT INCLINED) CLEAN CUT & FREE OF MUD OR WATER.
- c. ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.
- d. FOOTINGS SHALL BE FOUNDED IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF 100KPa.
- e. WHERE A PARALLEL SEWER IS PROPOSED ADJACENT TO THE RETAINING WALL,
  LOWER FOUNDING DEPTH 'D' TO ENSURE SEWER PIPE IS ABOVE THE 45 ANGLE
  OF REPOSE PREFER BYD SHEET. FOR ROTTOM OF FOOTING SLAP LEVEL
- LOWER FOUNDING DEPTH 'D' TO ENSURE SEWER PIPE IS ABOVE THE 45 ANGIOF REPOSE. REFER R&D SHEET FOR BOTTOM OF FOOTING SLAB LEVEL.



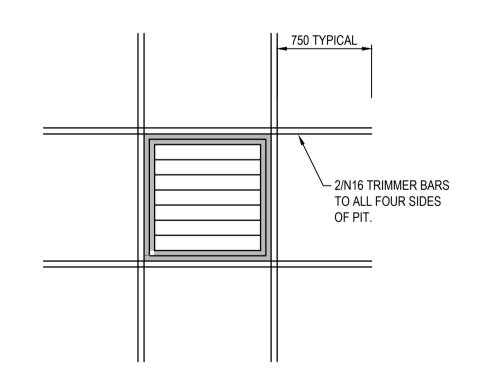


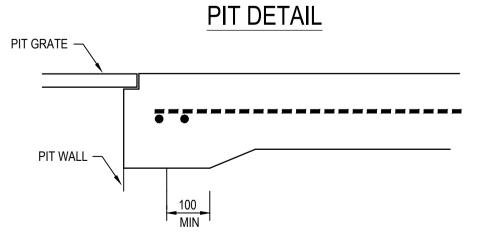
# TRANSVERSE EXPANSION JOINT - DOWELLED BUTT JOINT AT CONSTRUCTION JOINT (EJ)





TRANSVERSE CONTRACTION JOINT - DOWELLED BUTT JOINT AT CONSTRUCTION JOINT (CJ)





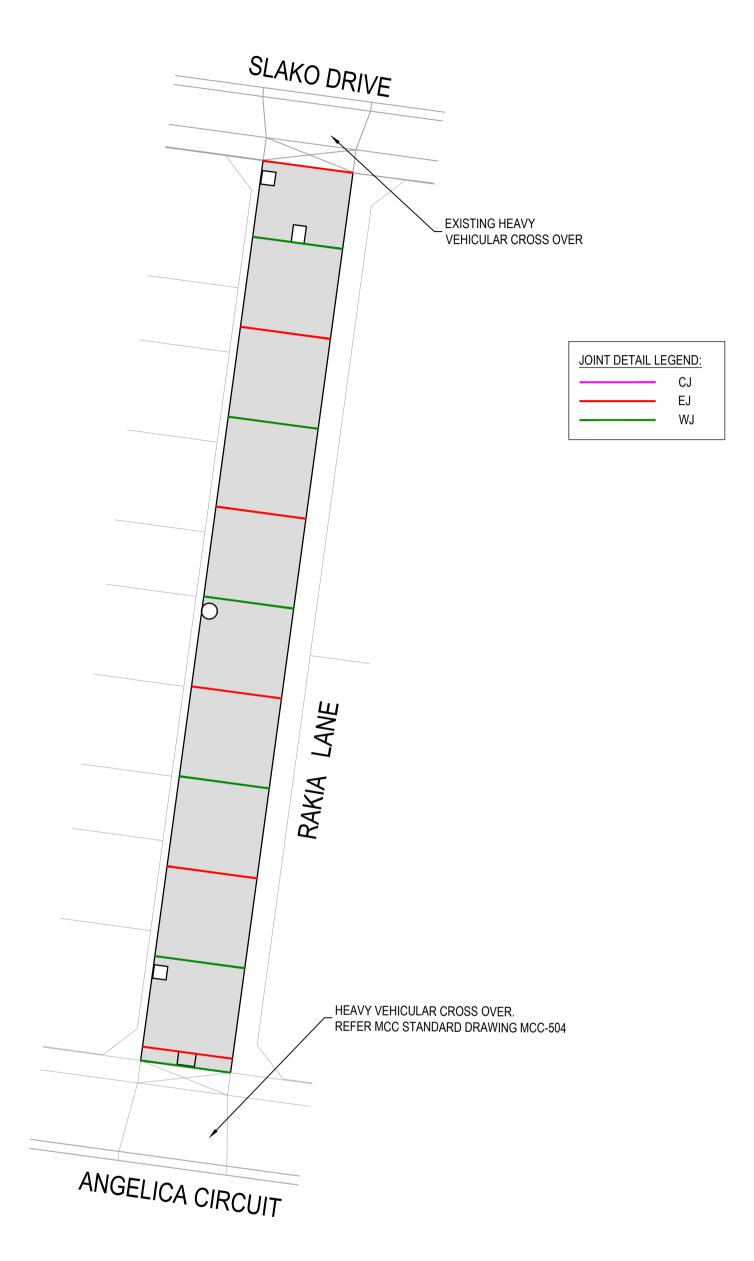
PIT SECTION

CONCRETE JOINTING DETAILS

NOT TO SCALE

#### JOINT DETAIL NOTES:

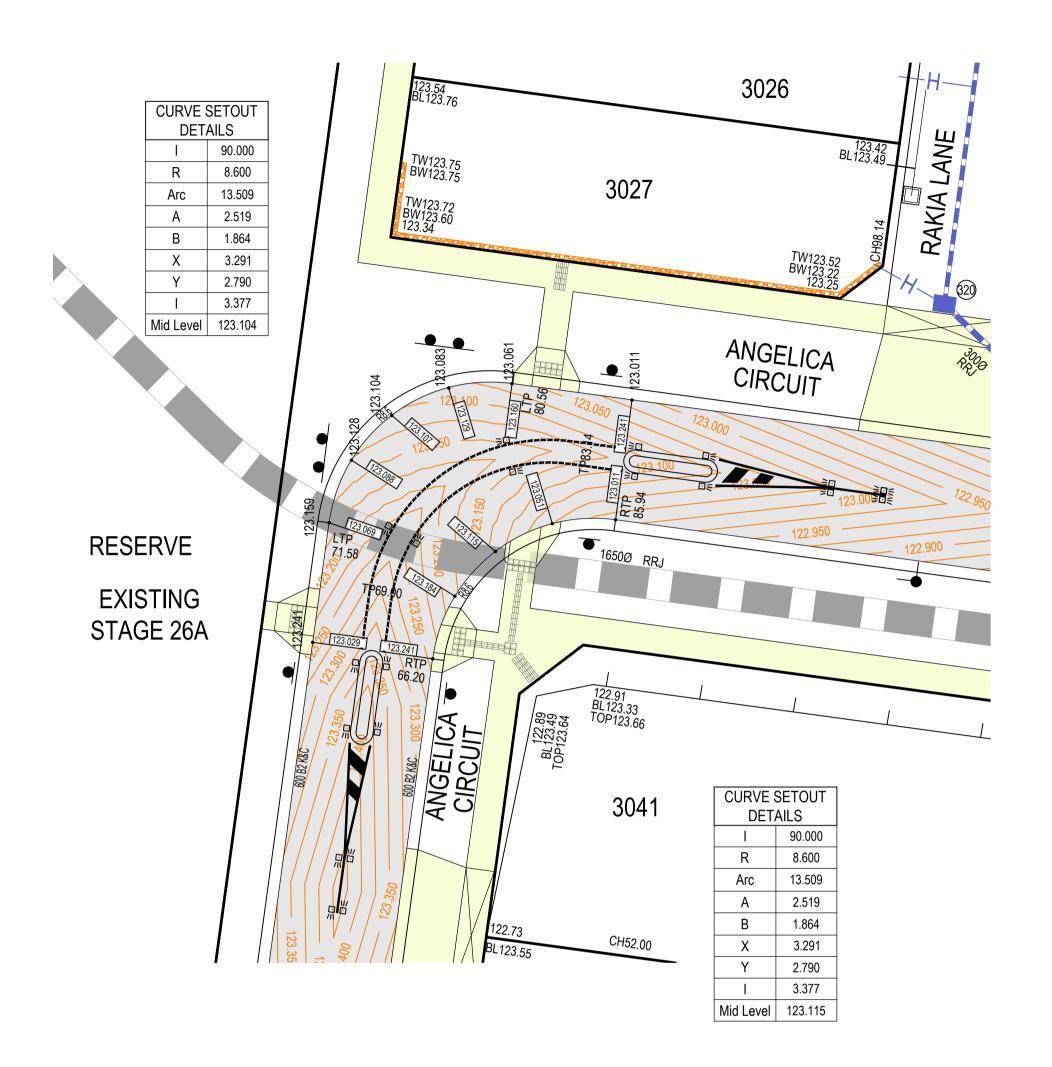
- SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 6m SPACING AND CONSTRUCTED 18-24 HOURS AFTER POURING EXPANSION.
- 2. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 12m.
- 3. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".
- 4. CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST 75% CONCRETE NOMINATED ULTIMATE STRENGTH.
- 5. CONCRETE TO BE CLASS N32.

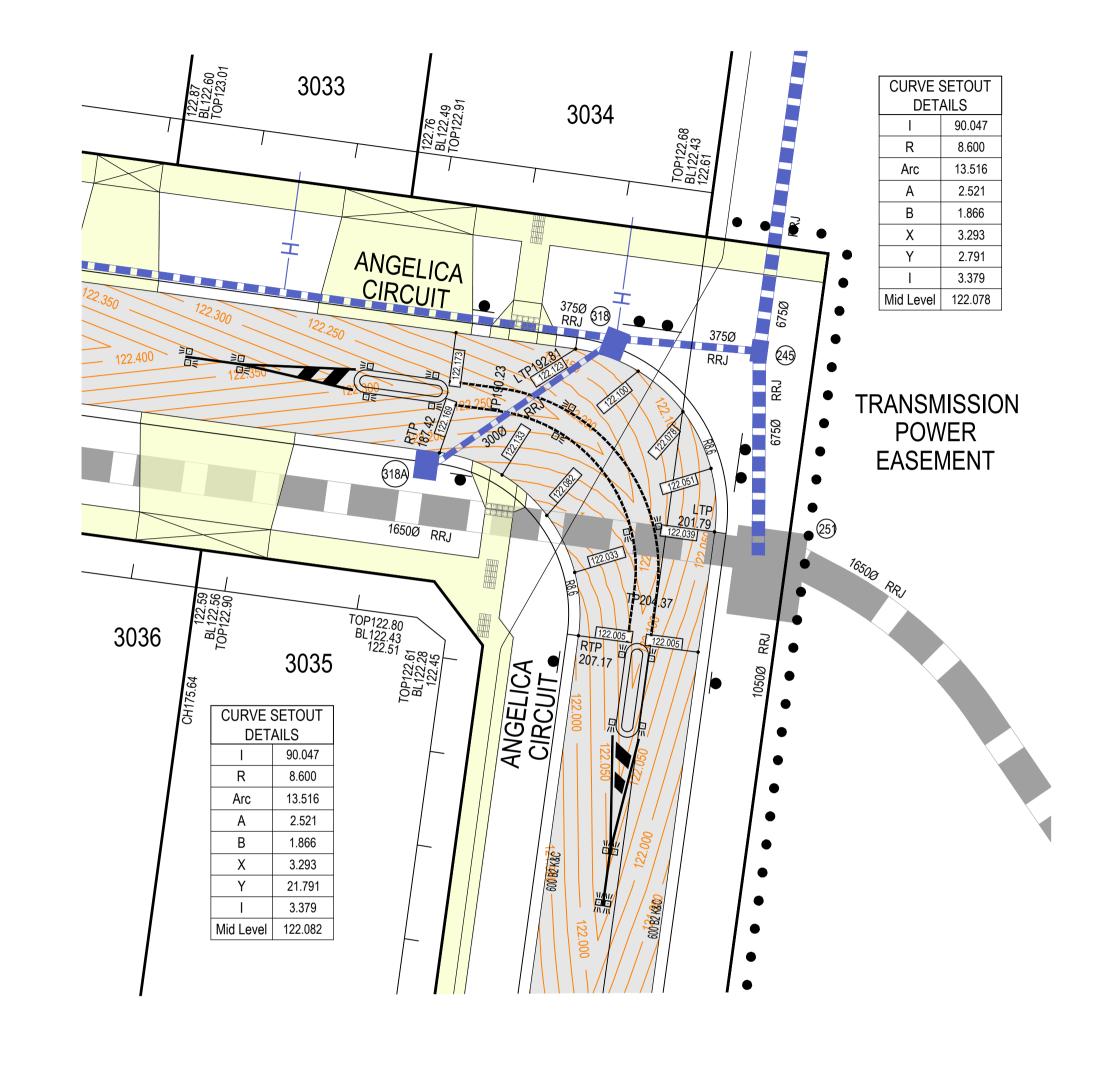


RAKIA LANE
JOINT LOCATIONS & TYPES
NOT TO SCALE

	S			6		breese pi	•	ty. Itd. engineers	haw telep	9 cato street thorn east, 312 phone 8823 23 no. 8823 2310	300
				MELWAY REF.	356-C-1	ΔS	PIRE ESTA	TF	MUNICIPA		
ı	AMENDMENT			SURVEY	BPD	1	STAGE 30	<del></del>	MEL	.TON	
ı	ĕB	26.06.2023	LOT 3017-3026 ARRANGEMENT AMENDED	DESIGN	J.B				REFEREN		
ı	А	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	ROADI	ETAILS	8226	6 E/30		
ı	VER	R DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET	04 OF 16	В







### NOTES

a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.

b) == == INDICATES UNIDIRECTIONAL & BIDIRECTIONAL RRPM'S PLACED AT 6.00m CTS

c) 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

d) PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THUS:

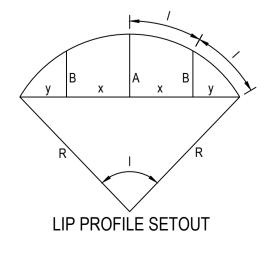
SURFACE TREATMENT MUST COMLPLY WITH VICROADS STANDARD SECTION 430.

e) STREET SIGNS TO HAVE MINIMUM 2 WEDGES IN THE SLEEVES

f) SWLM - INDICATES SOLID WHITE "LONGLIFE" LINE MARKING

BWLM - INDICATES BROKEN WHITE "LONGLIFE" LINE MARKING

g) RETURN & ELBOW LIP OF KERB CHAINAGES PREFIXED WITH AN "L" (eg LTP35.83)



		i	LENGTHS AF	RE IN METRES	
10	5	0	10	20	40
			SCALE 1	: 500 (A1)	

Drains	Prop Prev Stage	Ex/Natural/FS Level	+28.57 +NS28.57 +FS2
Main Drains		FS @ Building Line	+BL28.57
Sewer < 300Ø Sewer ≥ 300Ø	-SSSSSSSSSSSSS-	Top/Toe of Batter	+TOP28.57 +TOE28.5
Water (DW)		•	
Water (NDW) House Drain	—NDW—— W —	Top Ret. Wall Level	+ TW28.57
Property Inlet	• •	100yr Flood Level	+ FL28.57
Street Sign	<b>-</b> ● -	Fill Proposed (<0.3m/≥0.	3m)
PSM	<b>↓</b>	Cut Proposed	
Rock Ret Wall Sleeper Ret Wall	\$26926926262626	·	
Conduits 50mm	<b>—GW</b> ——GW—	Aspalt Surface Prop	
Conduits 100mm	<b>—W100 —</b> —W100 —	Concrete Surface Prop (Paths/Driveways/Slabs)	
Street Tree without/with		(1 attio/Bitvowayo/olabo)	
Passive Irrigation (Refer Detail)		Tree To Be Removed	

Tree To Be Retained with

Tree Protection Zone (TPZ)

Ex Water DW/NDW —Ex DW — Ex NDW –

— Ex S —— Ex G —

— Ex E —— **Ex T** —

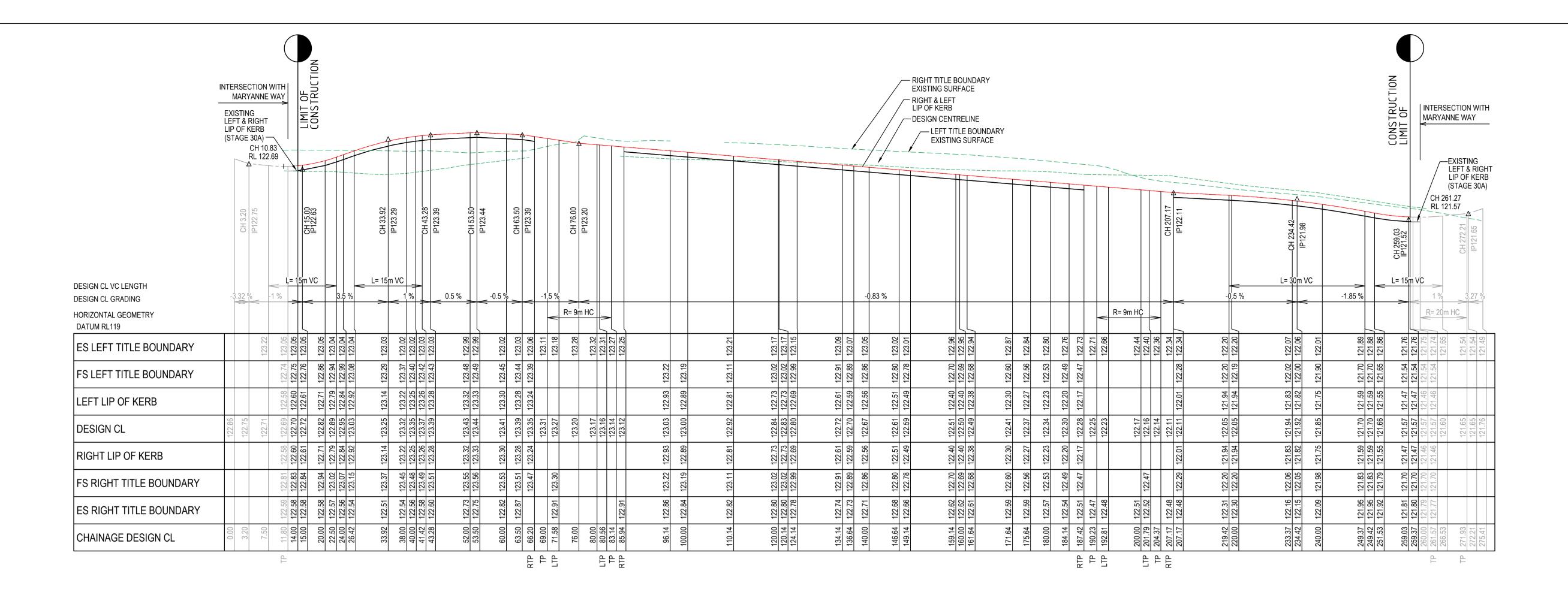
— Ех О —

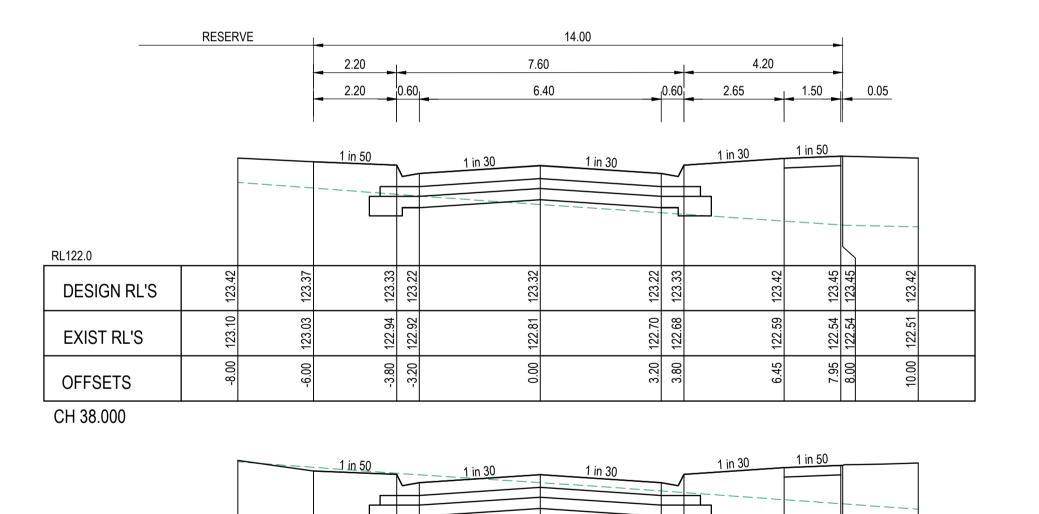
Ex Sewer/Gas

Ex Elect/Comm

Ex Optic Fibre

	S			8		breese pitand surveyors	•	ty. I engin		haw tele <sub>l</sub>	cato s thorn ea phone 8 no. 882	ıst, 312 823 23	300
	MENT			MELWAY REF.	356-C-1	Δς	PIRE ESTA	TF		MUNICIPA	ALITY		
	AMENDMENTS			SURVEY	BPD	, , ,		—		MEL	TON		
	₹B	26.06.2023	LOT 3017-3026 ARRANGEMENT AMENDED	DESIGN	J.B		STAGE 30			REFEREN	_ /		
1	А	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	INTE	RSECTION F	PLAN		8220	6 <sup>-</sup> /30		
<b>₹</b> ∿	VEF	R DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE	AUG 2022	SHEET	05 OF	16	В



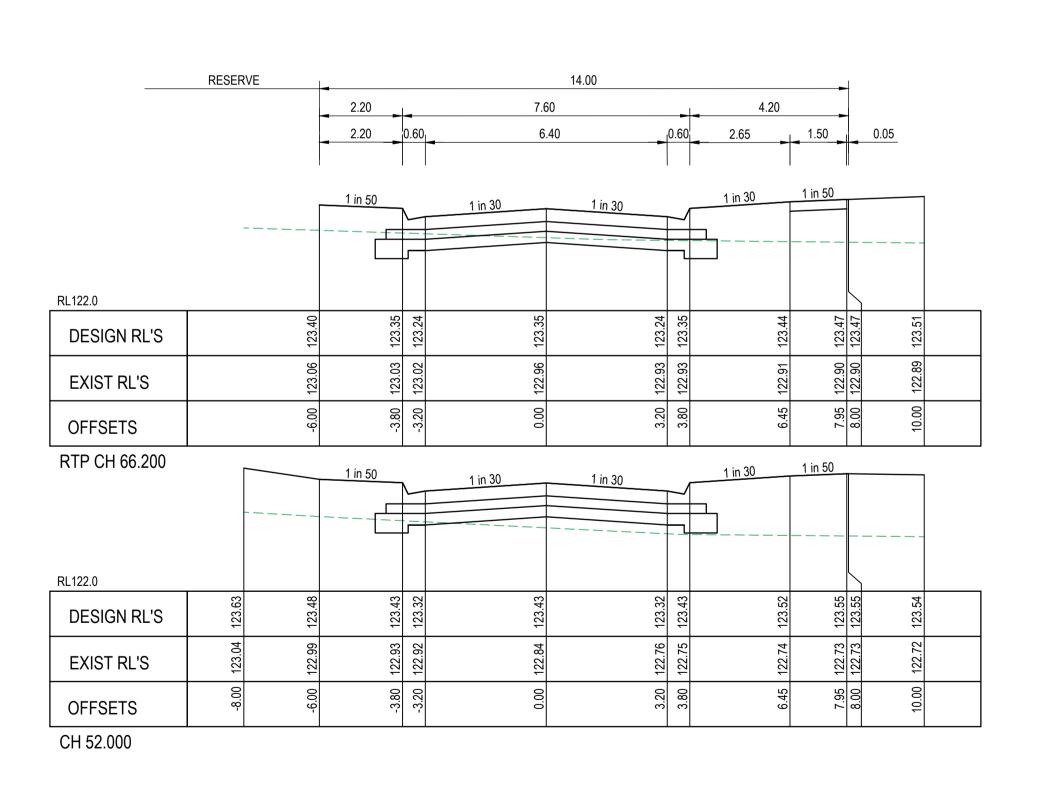


	EXIST RL'S	123.	123.	122.	122.	122.	122.	122.	122.	122.	122.	77
	OFFSETS	-8.00	-6.00	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	9.00	8
,	CH 24.000			1 in 50	\	1 in 30	——————————————————————————————————————		1 in 30	1 in 50		
	RL121.0										`	
	DESIGN RL'S	122.89	122.75	122.71	122.60	122.71	122.60	122.71	122.80	122.83	199 59	20:32
	EXIST RL'S	123.12	123.05	122.97	122.95	122.84	122.73	122.71	122.63	122.58	122.30	2
	OFFSETS	-8.00	-6.00	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	0.00	8

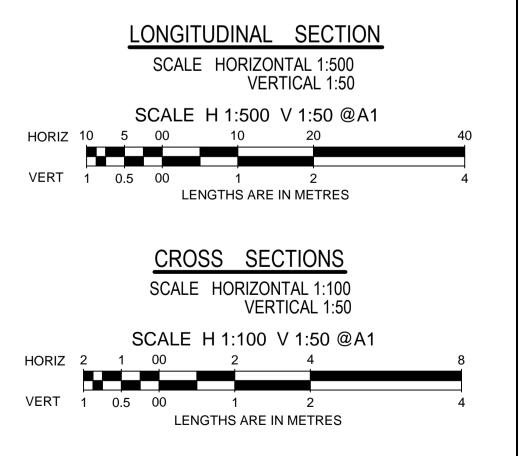
CH 14.000

RL122.0

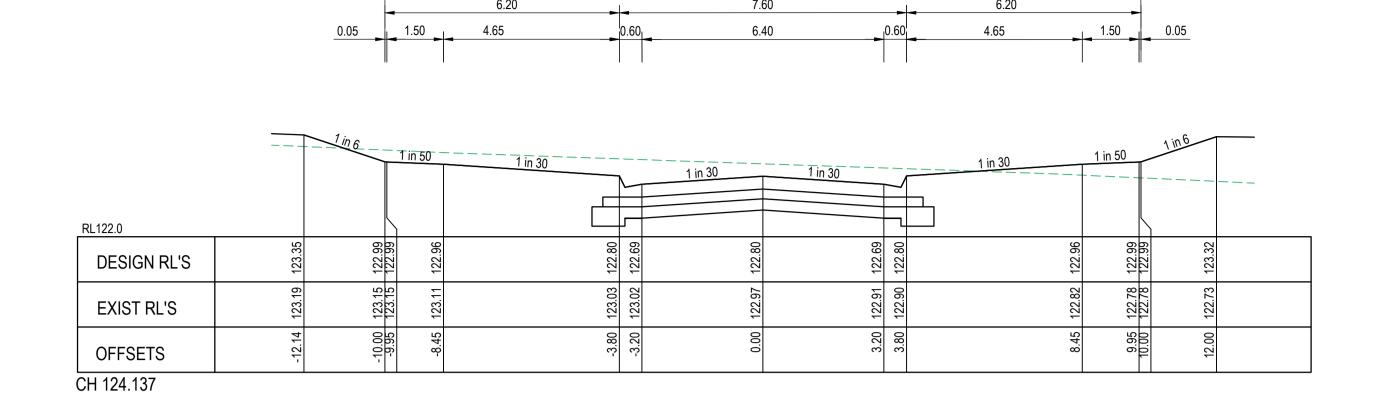
DESIGN RL'S

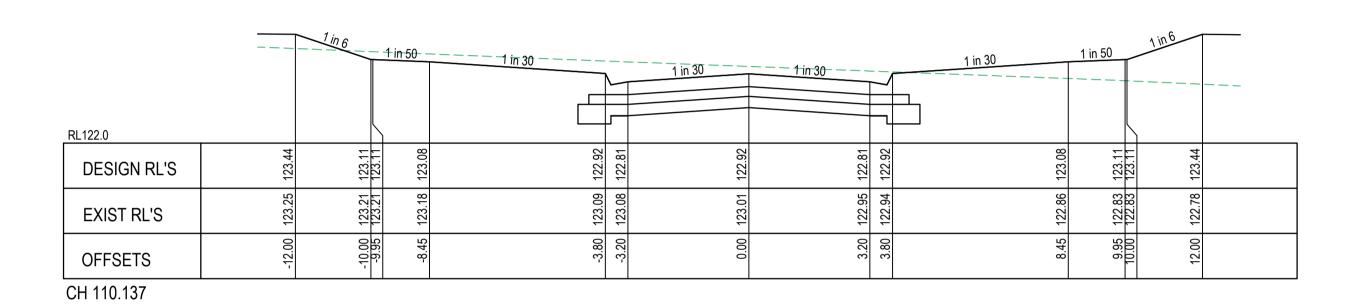


# **ANGELICA CIRCUIT**



U				<b>S</b>		oreese pitand surveyors	•	ty. Itd. engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
NEWDMENTS				MELWAY REF.	354-C-12	AS	PIRE ESTA	TF	MUNICIPA			
MENIO				SURVEY	BPD	STAGE 30  REFERENCE				TON		
<				DESIGN	J.B				REFEREN			
	Α	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	ANGELICA (	CIRCUIT - SH	IEET 1 OF 4	8220	6 E/30		
	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET	06 OF 16	Α	





DI 400 0		_1 in 50	1 in 30		1 in 30 ———	1 in 30		1 in 30	1 in 50	1 in 6	
RL122.0		<b></b>								<del> </del>	ļ
DESIGN RL'S	123.19 123.19	123.16	123.01	122.90	123.00	122.90	123.01	123.16	123.19		
EXIST RL'S	123.24 123.24	123.21	23.	123.10	123.04	122.97	122.96	122.87		122.84	
OFFSETS	-10.00 -9.95	-8.45	-3.80	-3.20	0:00	3.20	3.80	8.45	1 - 1	10.00	· I

CH 100.000

		50	1 in 30		- — — _1 in 30	1 in 30		1 in 30	1 in 50	1 in 6
RL122.0										
DESIGN RL'S	123.31	123.28	123.12	123.01	123.12	123.01		123.28	123.31	123.64
EXIST RL'S	123.25 123.25	123.22	123.15	123.14	123.08	123.01	123.00	122.93	122.91	•
OFFSETS	-10.00 -9.95	-8.45	-3.80	-3.20	0:00	3.20	3.80	8.45	9.95	12.00
RTP CH 85.937		•								

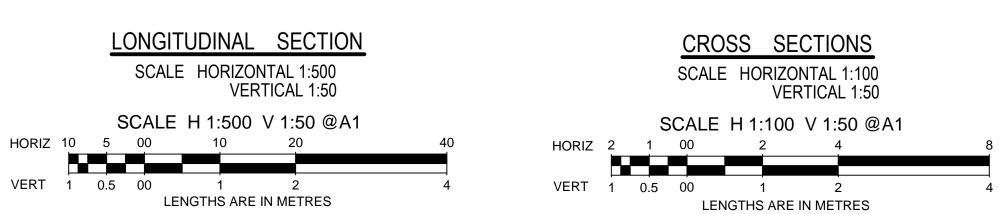
		_	6.20	7.	60	6.20		
	_(	0.05 1.50	4.65	0.60	400	.60 4.65	1.50	0.05
	- 1 ij	1 in 50					1 in_50	1 in 6
		111150	1 in 30	1 in 30	1 in 30	1 in 30		
						<b>-</b> /		
RL121.5						<b>-</b>		
DESIGN RL'S	122.98	122.56 122.56 122.53	122.38	122.27		122.38	122.53	122.56
EXIST RL'S	122.88	122.84 122.84 122.82	122.76	122.75	122.66	122.65	122.60	122.59
OFFSETS	-12.50	-10.00 -9.95 -8.45	-3.80	-3.20	3.20	3.80	8.45	10.00
CH 175.637	•							

			1 in 50	1 in 30	<u></u>	1 in 30	1 in 30			1 in 50	1 in 6	_
121.5			1		7			Ħ				
DESIGN RL'S	123.10	122.68	122.65	122.49	l al	122.49	122.38		122.65	122.68 122.68	123.01	
EXIST RL'S	122.99	122.95	122.92	122.84		122.78	122.73			122.61 122.61	122.58	
OFFSETS	-12.50	-10.00 -9.95	-8.45	-3.80	-3.20	0.00	3.20	3.80	84.55		12.00	

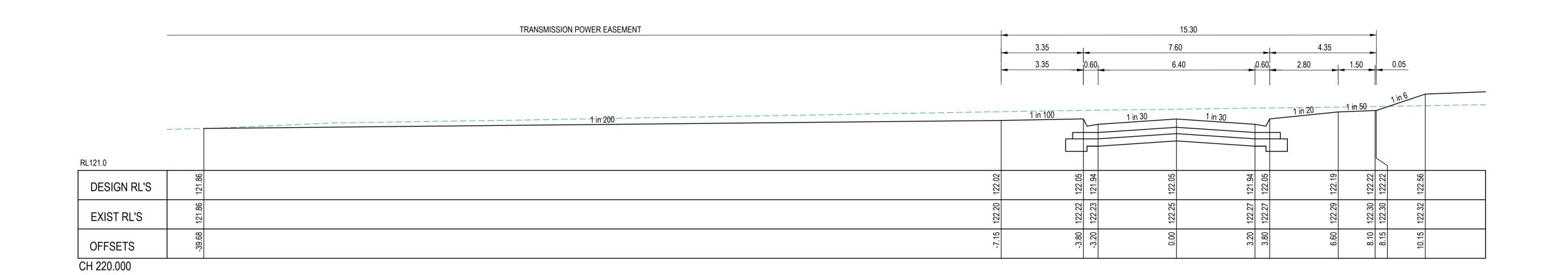
		1 in 50	1 in 30		1 in 30	1 in 30		1 in 30	1 in 50	1 in 6	
RL121.5											
DESIGN RL'S	123.20	122.78	122.60	122.49	122.59	122.49	122.60	122 75	122.78	123.12	
EXIST RL'S	123.05	123.01	122.91	122.90	122.85	122.79	122.78	122 69	122.66	122.63	
OFFSETS	-12.50	-10.00 -9.95	-3.80	-3.20	0.00	3.20	3.80	8 45	9.95	12.00	
CH 149.137	•										

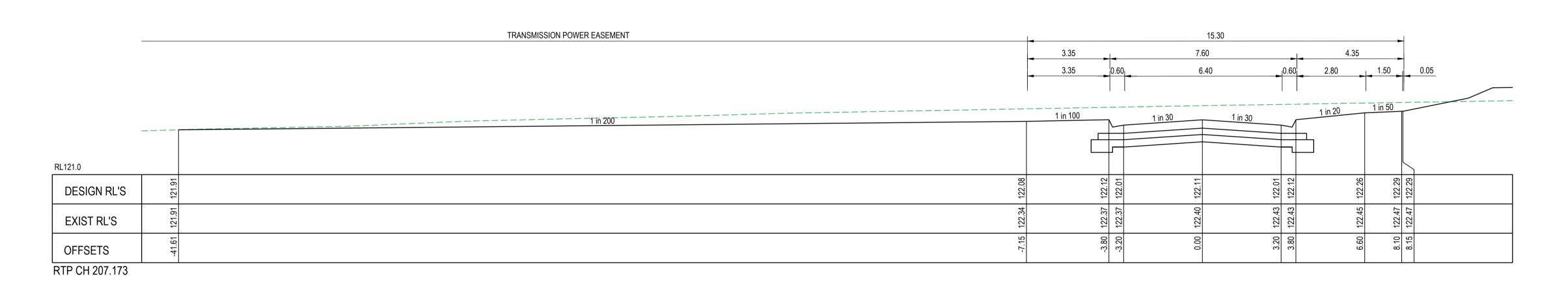
		1 in 6	1 in 50	1 in 30	<u> </u>	1 in 30	1 in 30		<u>1 in 30</u>	1 in 50		1 in 6	<del></del>
RL121.5			1										
DESIGN RL'S	123.30	122.89 122.89	122.86	122.70	122.59	122.70	122.59	122.70	122.86		122.89 122.89	123.22	
EXIST RL'S	123.11	123.07	123.05	122.98		122.91		122.85	122.76		122.73	122.69	
OFFSETS	-12.50	-10.00 -9.95	-8.45	3.80	-3.20	00.0	3.20	3.80	α .τ.		9.95	12.00	
CH 136.637	•	•			•								

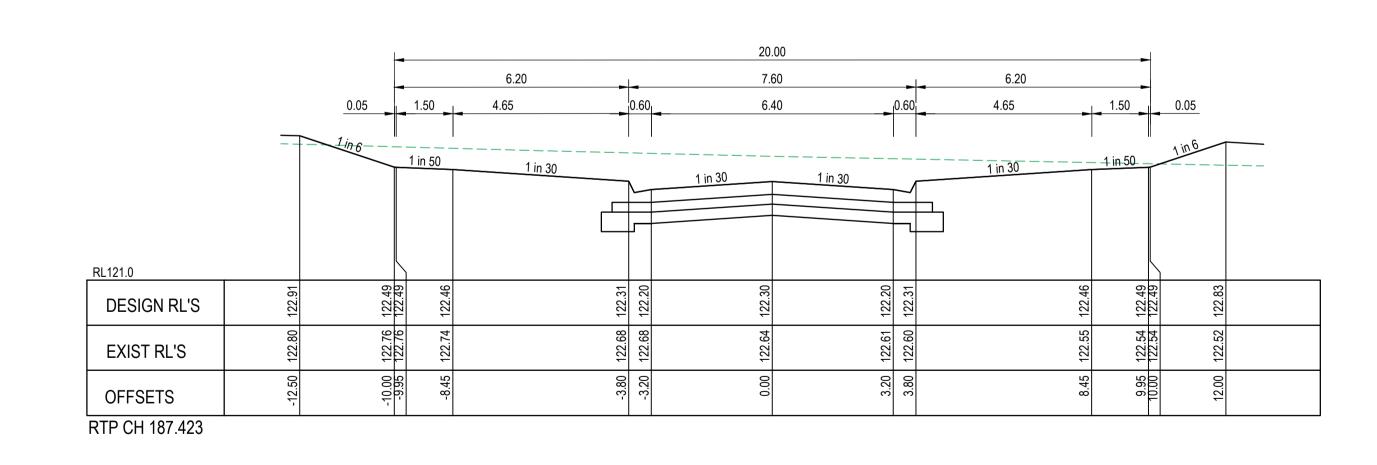
# **ANGELICA CIRCUIT**

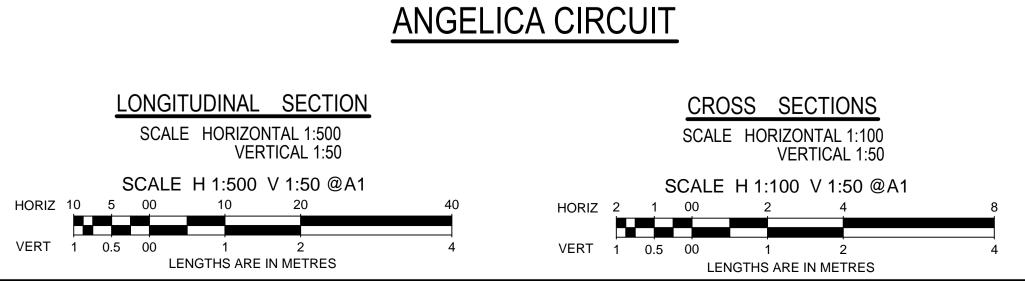


<i>y</i>			bo		breese pitand surveyors	•	ty. It		haw tele	cato street othorn east, 31 phone 8823 2 no. 8823 23	123 2300
MEN			MELWAY REF.	354-C-12	Δς	PIRE ESTA	TE		MUNICIPA	ALITY	
AMENDIMEN IS			SURVEY	BPD		, (3) !! (= = 3 ! / ! ! =					
₹ 📉			DESIGN	J.B		STAGE 30		REFEREN			
Α	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	ANGELICA (	<u> CIRCUIT - SH</u>	<u>IEET</u>	2 OF 4	822	6 <sup>E</sup> /30	
VEF	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE	AUG 2022	SHEET	07 OF 16	A

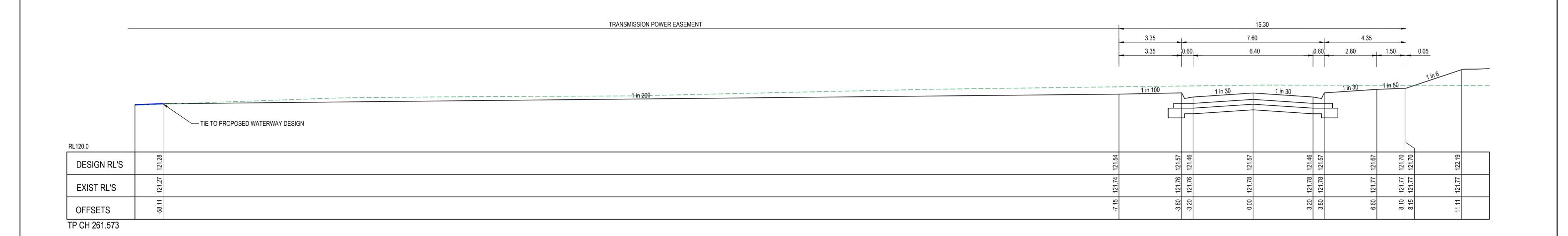


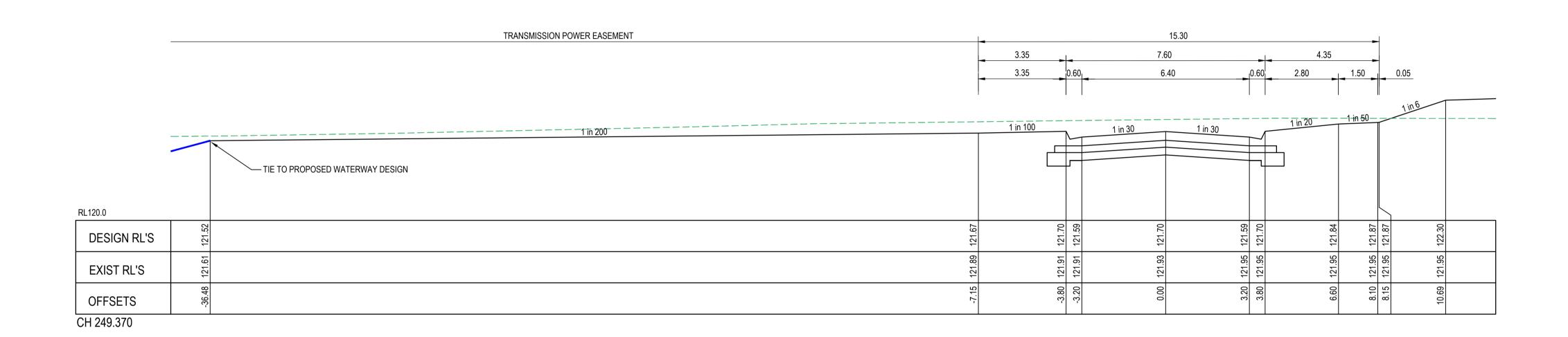


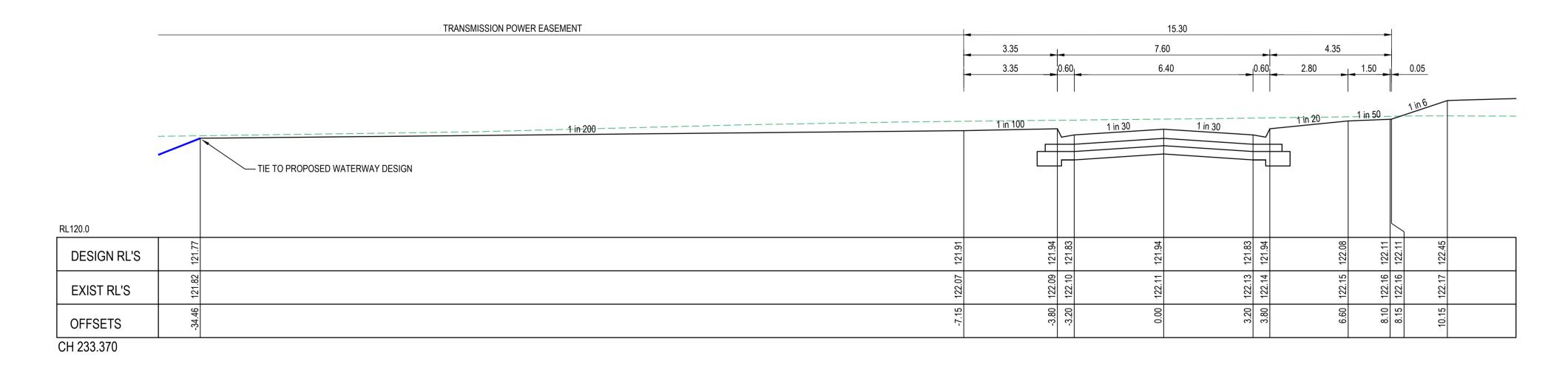


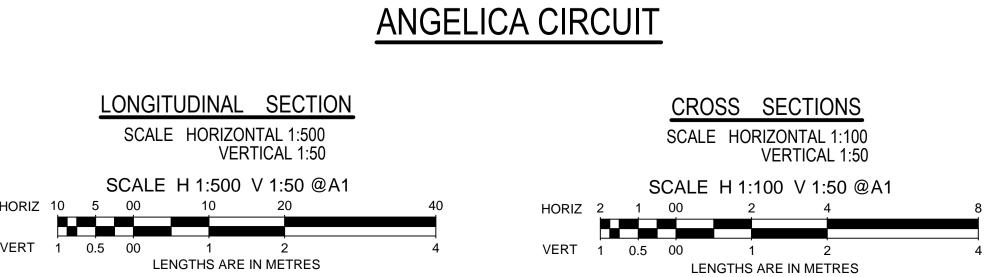


c				bo		oreese pi	•	ty. Itd. engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
FIALK	N L				354-C-12	Δς	ASPIRE ESTATE					
ָרְאַרְאָ הַרְאַרְאָ				SURVEY	BPD	1		· · <del>-</del>	MELT	ON		
{	Ž 📗			DESIGN	J.B		STAGE 30		REFERENC			
ı	Α	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	ANGELICA (	CIRCUIT - SH	IEET 3 OF 4	8226	E/30		
	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET	08 OF 16 A		

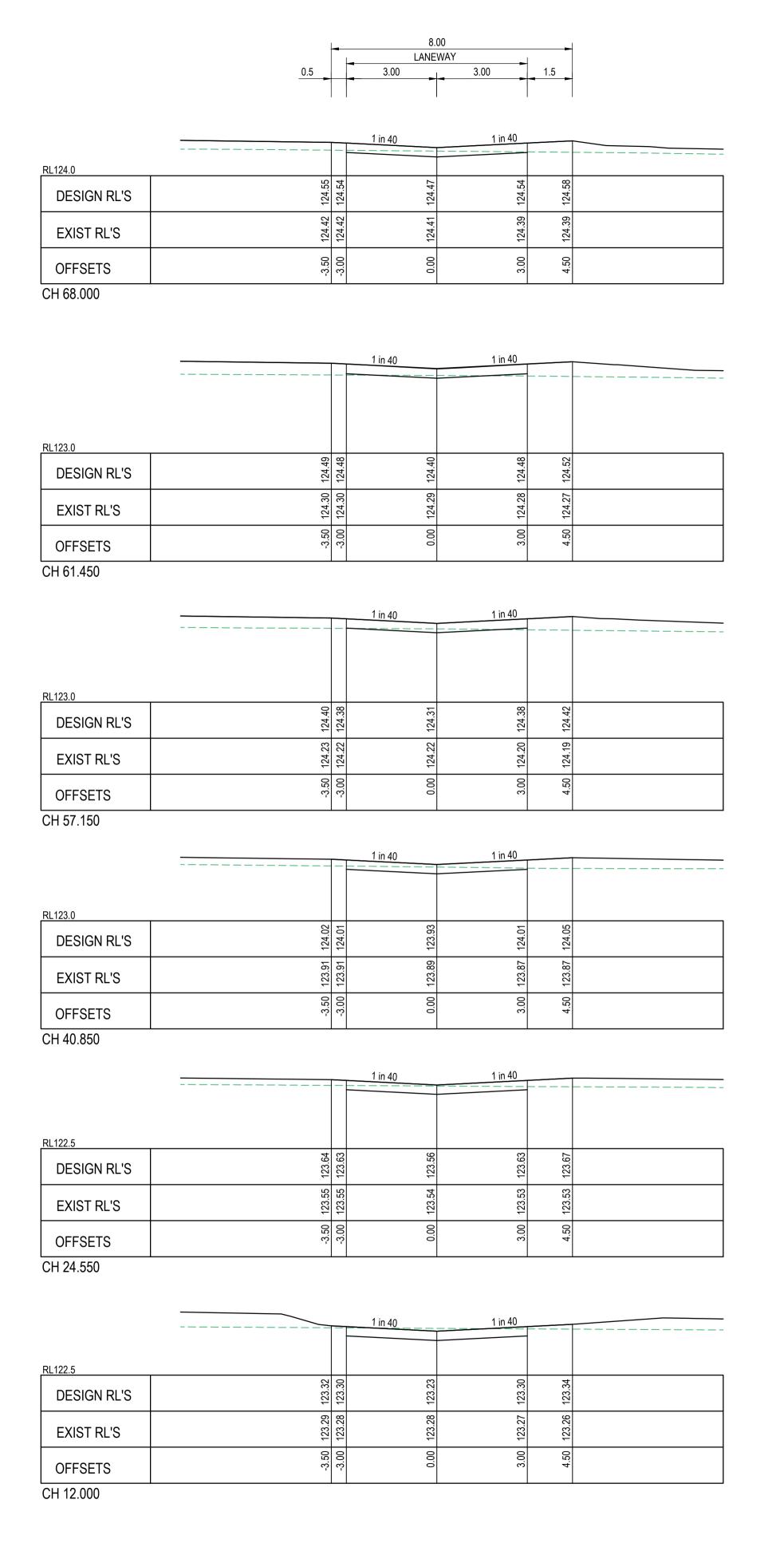


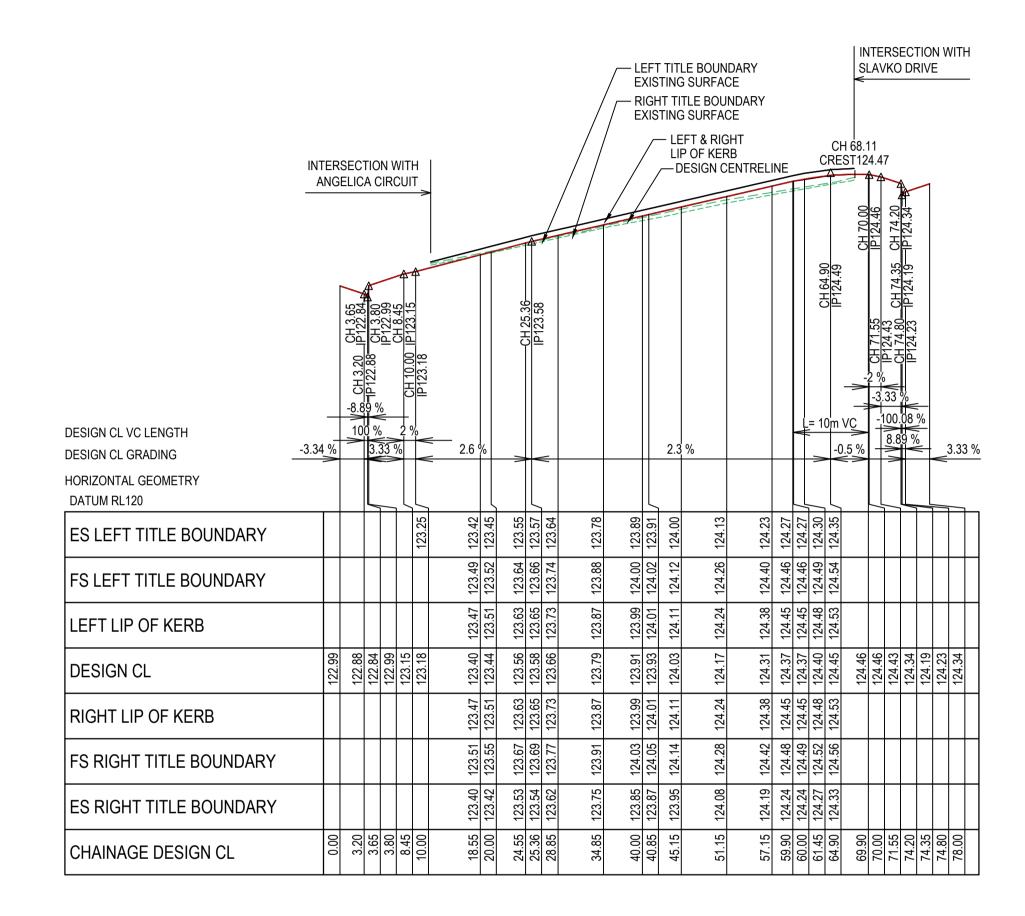




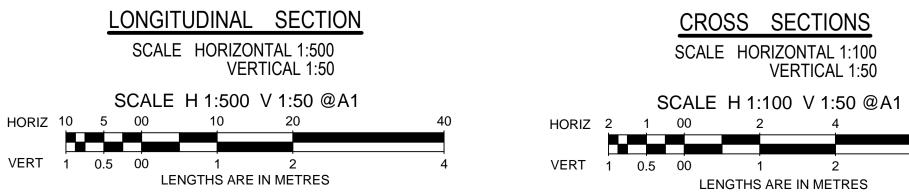


S				bo		oreese pi	•	ty. Itd. engineers	hawt telep	cato street thorn east, 3 phone 8823 2 no. 8823 23	123 2300		
AMENDMENTS				MELWAY REF.	354-C-12	Δς	TE	MUNICIPA	LITY				
MEND				SURVEY	BPD	1	ASPIRE ESTATE			MELTON			
٩				DESIGN	J.B		STAGE 30		REFEREN				
	Α	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	ANGELICA (	CIRCUIT - SH	IEET 4 OF 4	8226	$5^{E}/_{30}$			
	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET	09 OF 16	Α		

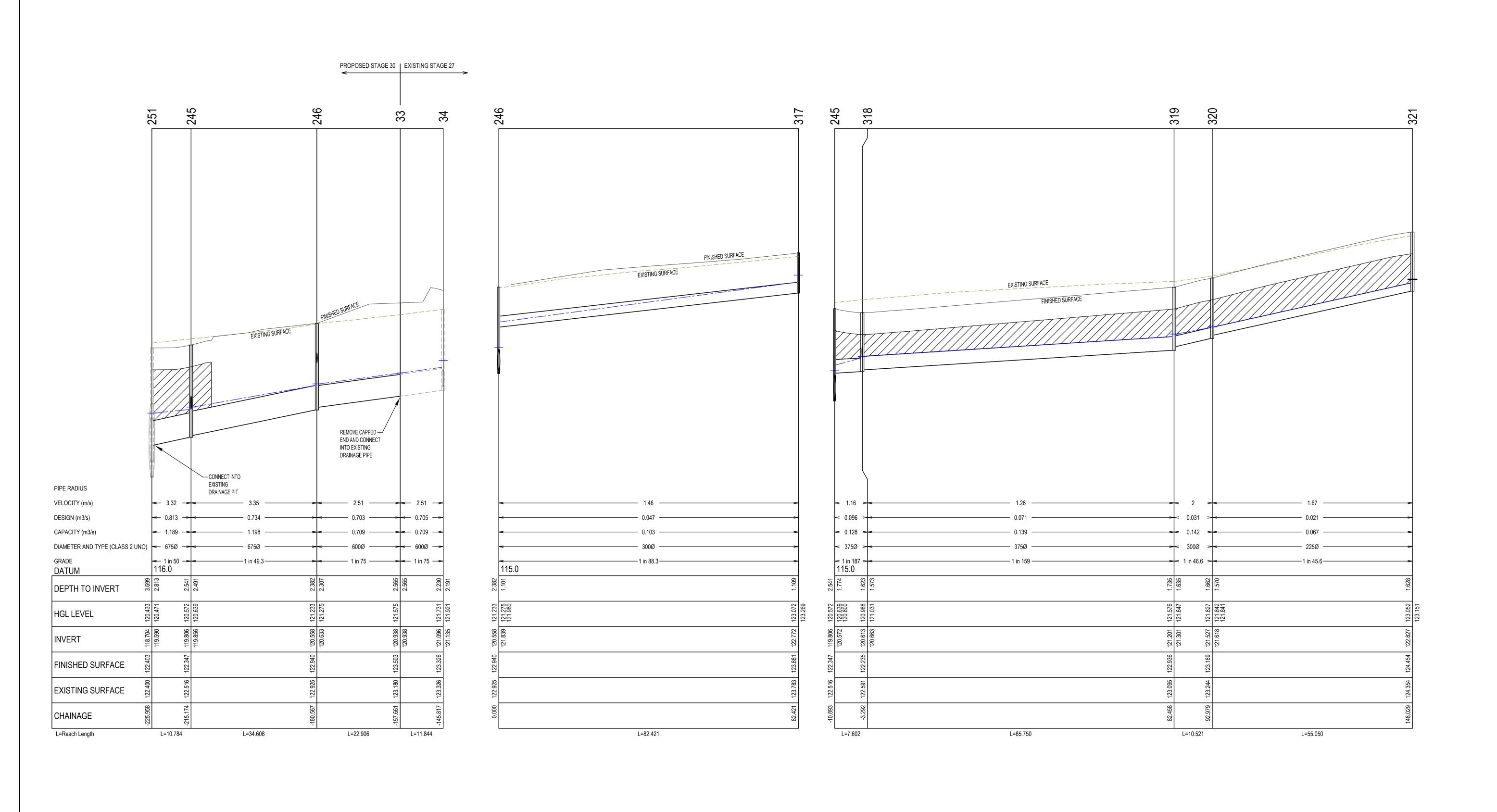


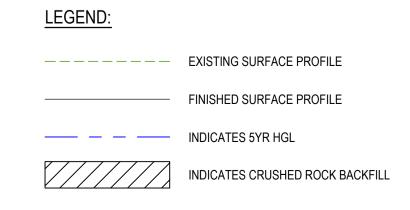


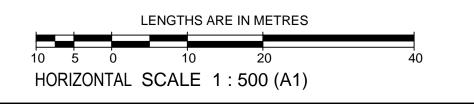
# RAKIA LANE

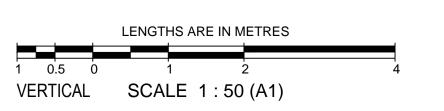


	n			bo	_	oreese pi	•	ty. Itd. engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
Ļ		ME			354-C-12	۸۹	PIRE ESTA	TE	MUNICIPA	ALITY					
֓֞֝֟֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓	AMENDMEN			SURVEY	BPD	1	, 191 11 12 29 17 11 2			, ioi ii i — — o i / ii — I MEL			MELTON		
<	_	26.06.2023	LOT 3017-3026 ARRANGEMENT AMENDED	DESIGN	J.B		STAGE 30		REFERENCE						
	А	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	RAKIA LANE			8226	6 <sup>E</sup> /30					
	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET	10 OF 16	В				

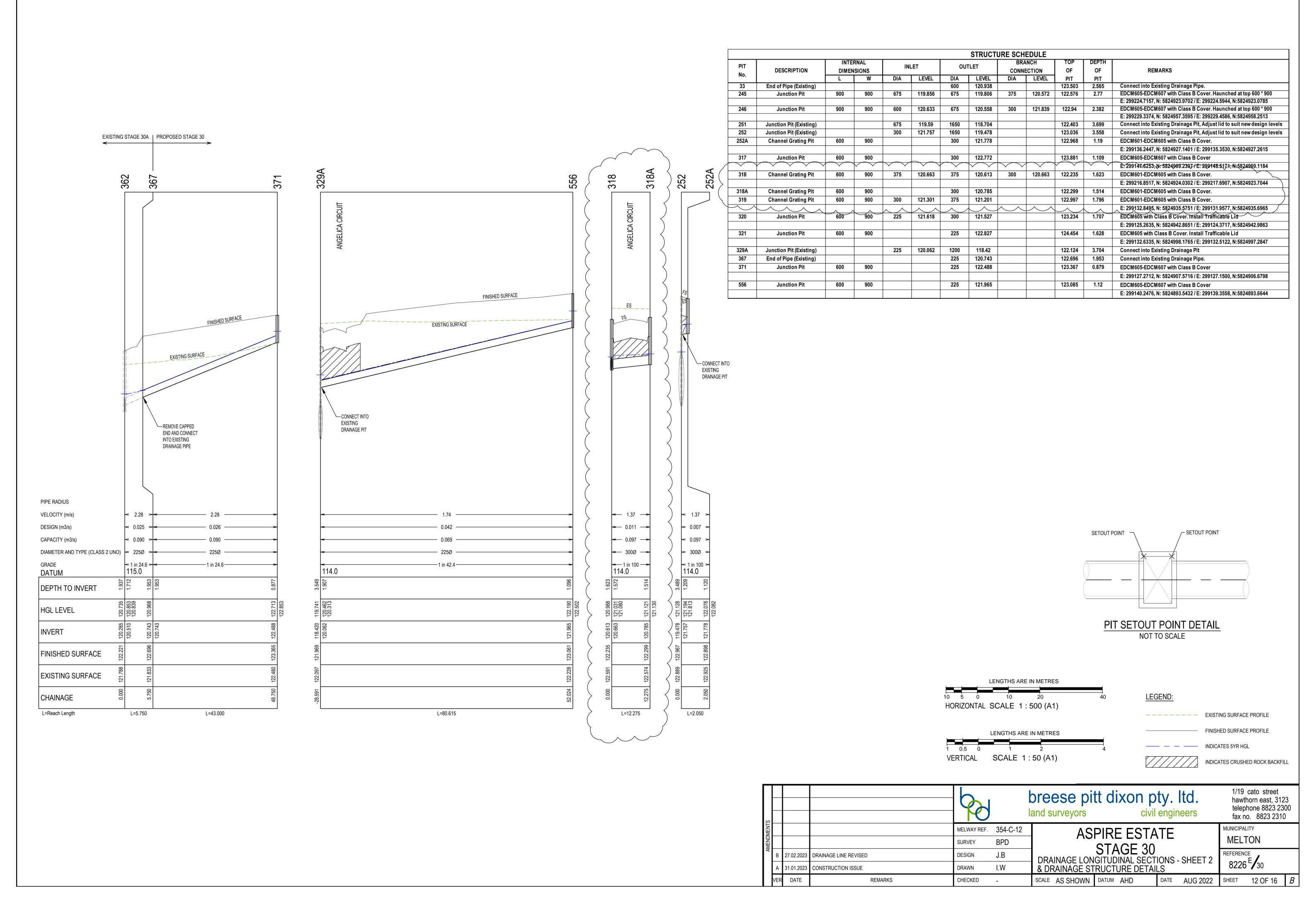


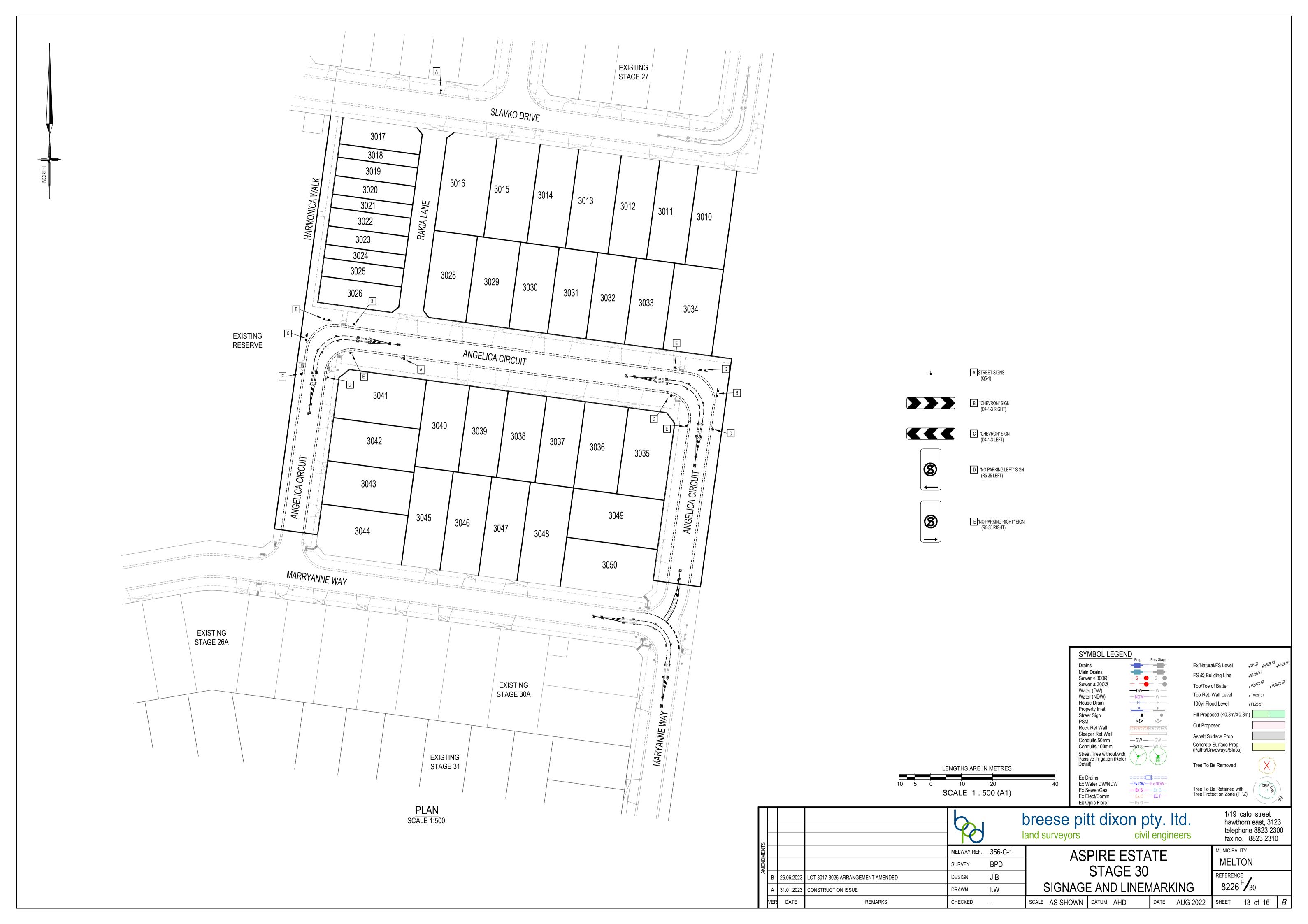


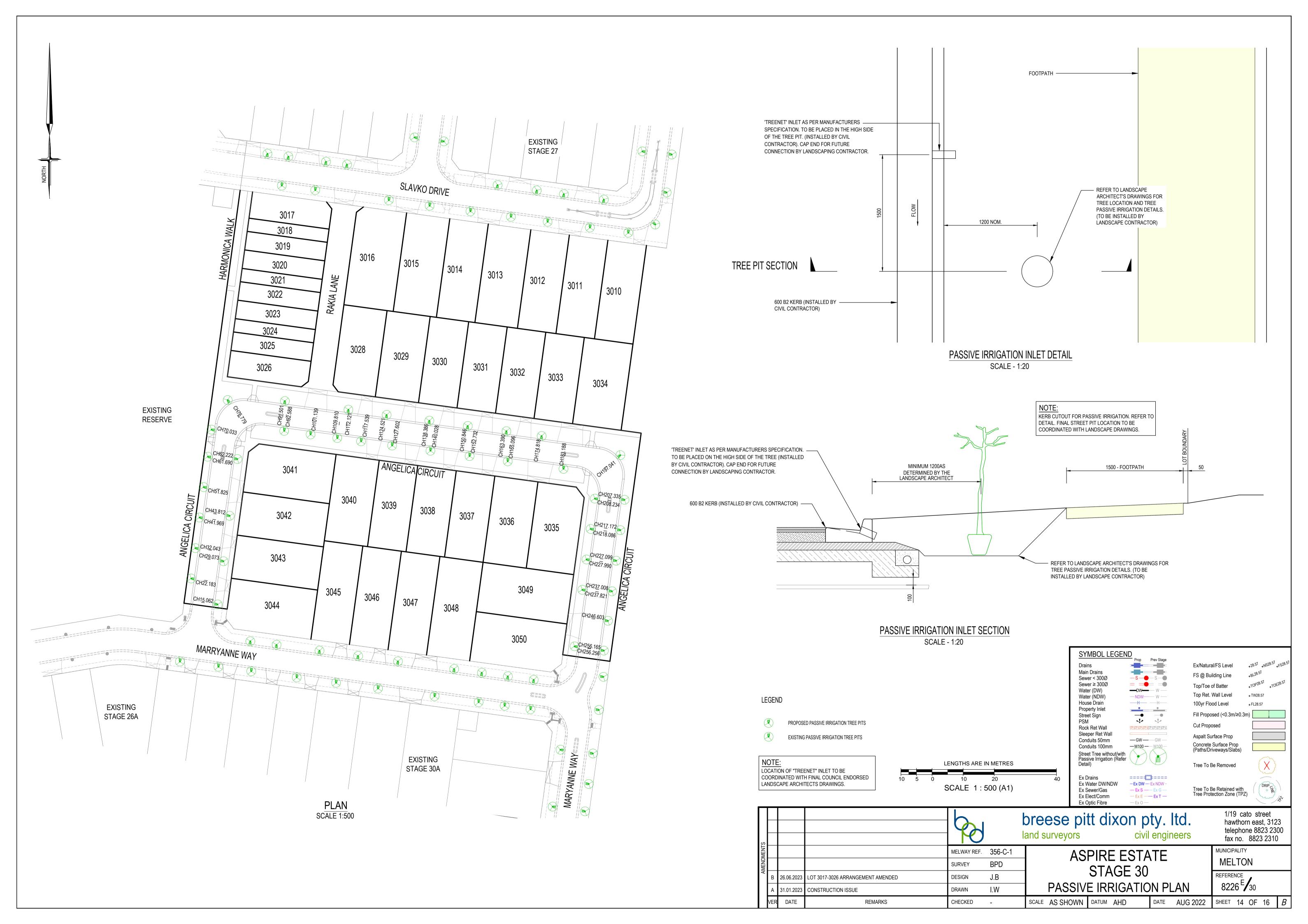


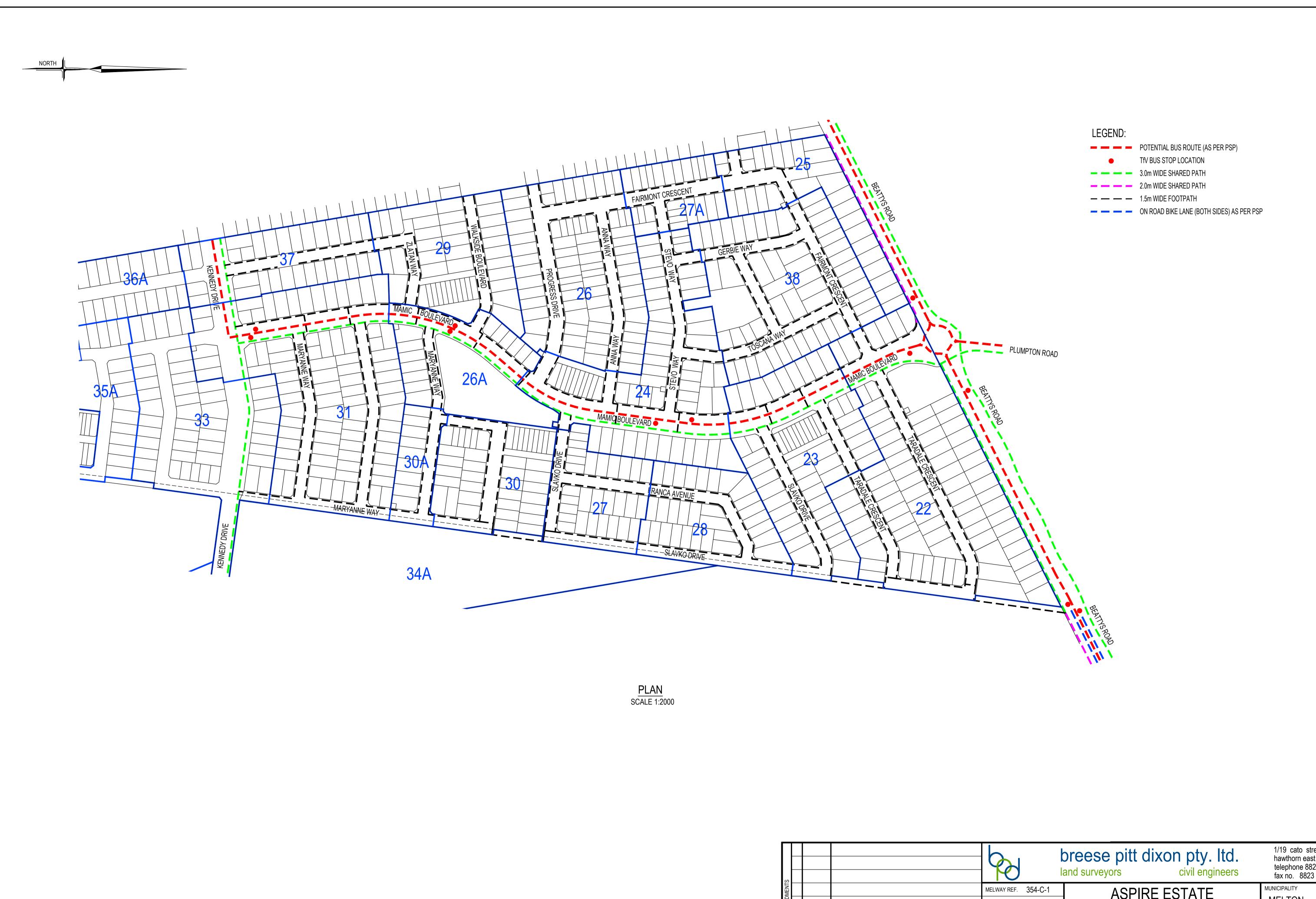


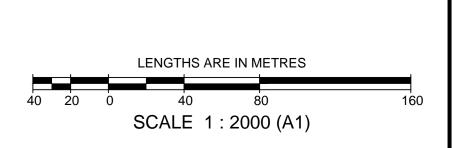
S				8		oreese pitt dixon pty. Itd. and surveyors civil engineers				1/19 hawt telep fax n	300	
<b>AMENDMENTS</b>				MELWAY REF.	354-C-12	ASPIRE ESTATE				MUNICIPA		
MEND				SURVEY	BPD	,	STAGE 30			MEL		
A				DESIGN	J.B		STAGE 30			REFERENCE		
	A	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	DRAINAGE LON	SHEET 1	8226	30 SE/30			
	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE	AUG 2022	SHEET	11 OF 16	A











S				by the second se		oreese pitand surveyors	ty. Itd. engineers	hawt telep	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
AMENDMENTS				MELWAY REF.	354-C-1	AS	PIRE ESTA	TF	MUNICIPALITY			
MEND				SURVEY	BPD	,				MELTON		
⋖	В	26.06.2023	LOT 3017-3026 ARRANGEMENT AMENDED	DESIGN	J.B		STAGE 30		REFEREN	_ /		
	A	31.01.2023	CONSTRUCTION ISSUE	DRAWN	I.W	MOBILITY PLAN			8226	5 <sup>E</sup> /30		
ľ	VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE AUG 2022	SHEET	15 OF 16	В	

