

Our Reference: 8295040

26 July 2022



Christopher Hagen
Breese Pitt Dixon Pty Ltd
U 1 19 Cato Street
Hawthorn East VIC 3123

Dear Chris,

PA2017/5637 Aspire Estate Stage 30A – Engineering Plans - Approval

The above-mentioned plans, received by Council and complied on 126 July 2022, are approved. Please find attached the approved stamped road and drainage plans.

Drawing Reference: 8226 E/30A

Sheet No.

1 of 14 to 14 of 14

Revision

P3

The approval is subject to compliance of all statutory and legal obligations and granted with the understanding that the engineering consultant, developer and landowner take full responsibility for the design contained in the approved engineering plans.

Please note the following:

- The approval of these plans is valid for one year. Where construction does not commence within that time, the plans must be resubmitted to Council for assessment using applicable engineering standards at the time of resubmission. New plan checking fees will also be applicable.
- No construction works can commence outside the development's property boundaries unless or until consent is provided by the adjoining landowner.
- A 'Consent to Work within a Road Reserve' must be applied for where works will be done on an existing road. The form is available on Melton Council's website link <https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications>
- A Traffic Management Plan must be submitted where works will occur on existing roads, and where the works are traffic impact works, it must be approved by Council's Traffic team before works commence. The form is available on Melton Council's website link <https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications>

- Construction works must not commence on site until all relevant planning permit conditions have been satisfied. Email queries to planningsupport@melton.vic.gov.au
T: 03 9747 7200.

All Service Authority plans must be approved by the responsible authorities prior to the subbase of the road pavement being constructed. Included plans are:

- Water main reticulation plans including the location and capacity (pressure and flow) of fire hydrants and hydrant mains;
- Sewer main reticulation plans;
- Recycled water reticulation plans (where applicable);
- Public Lighting plans, utilising Public Lighting Guidelines and form on www.melton.vic.gov.au/Infrastructure-Planning; and
- Other relevant service plans, as applicable.

The above plans must be submitted in PDF format (one email per type of plan) to serviceauthority@melton.vic.gov.au

- If required as part of the planning permit conditions for the above mentioned project, Construction Environmental Management plans (CEMP) must be submitted to Council *prior* to requesting a Civil Works pre-commencement meeting. Please note that plans should:
 - Include Planning Permit Application and Planning Permit Condition # - PA 2017/5637
 - Adhere to requirements of endorsed planning permit conditions.
 - Be simply presented and easy to understand.
 - Include an overall site context plan which shows where the site is located
E.g. roads labelled
 - Address all relevant environmental risks of the works.
 - Include haulage route.
 - **Include statements:**
 - A water truck will be available for dust suppression on site *at all times* and at the direction of the Council Construction Supervisor.
 - Working hours will be 7.00am or sunrise, whichever is the latter to 5.00pm week days.
 - Exclude any reference to use of straw bales, as not best practice.
 - Be In PDF format (to appropriate scale) from original document.

Note: do not scan document into PDF, as can be illegible.

Please submit CEMP with relevant information to Email: emp@melton.vic.gov.au

- A Pre-commencement Meeting Application must be emailed to Council to request approval to start work via Email: construction@melton.vic.gov.au
- As Constructed (As Con) plans must be received by Council prior to requesting a Practical Completion (PC) Inspection. To proceed, submit a PC Application form to Email: construction@melton.vic.gov.au

Where required by planning permit conditions, A-SPEC digital data should be submitted and *verified* as correct by Council's Asset Management/GIS team prior to the Statement of Compliance (SOC) being issued. Submit A-Spec data to Email:

assetspecs@melton.vic.gov.au

All correspondence submitted to Council must include a covering letter detailing:

- ✓ Full business name, address, contact name, email and telephone number for responses;
- ✓ Planning Application Number (PA 2017/5637);
- ✓ Estate name and Stage # or Project Name and address;
- ✓ Description of submission (E.g. Construction Environmental Management Plan) and any changes/ response to prior Council correspondence;

Submissions should follow processes outlined above and utilise forms on website www.melton.vic.gov.au/Infrastructure-Planning unless another web link is listed.

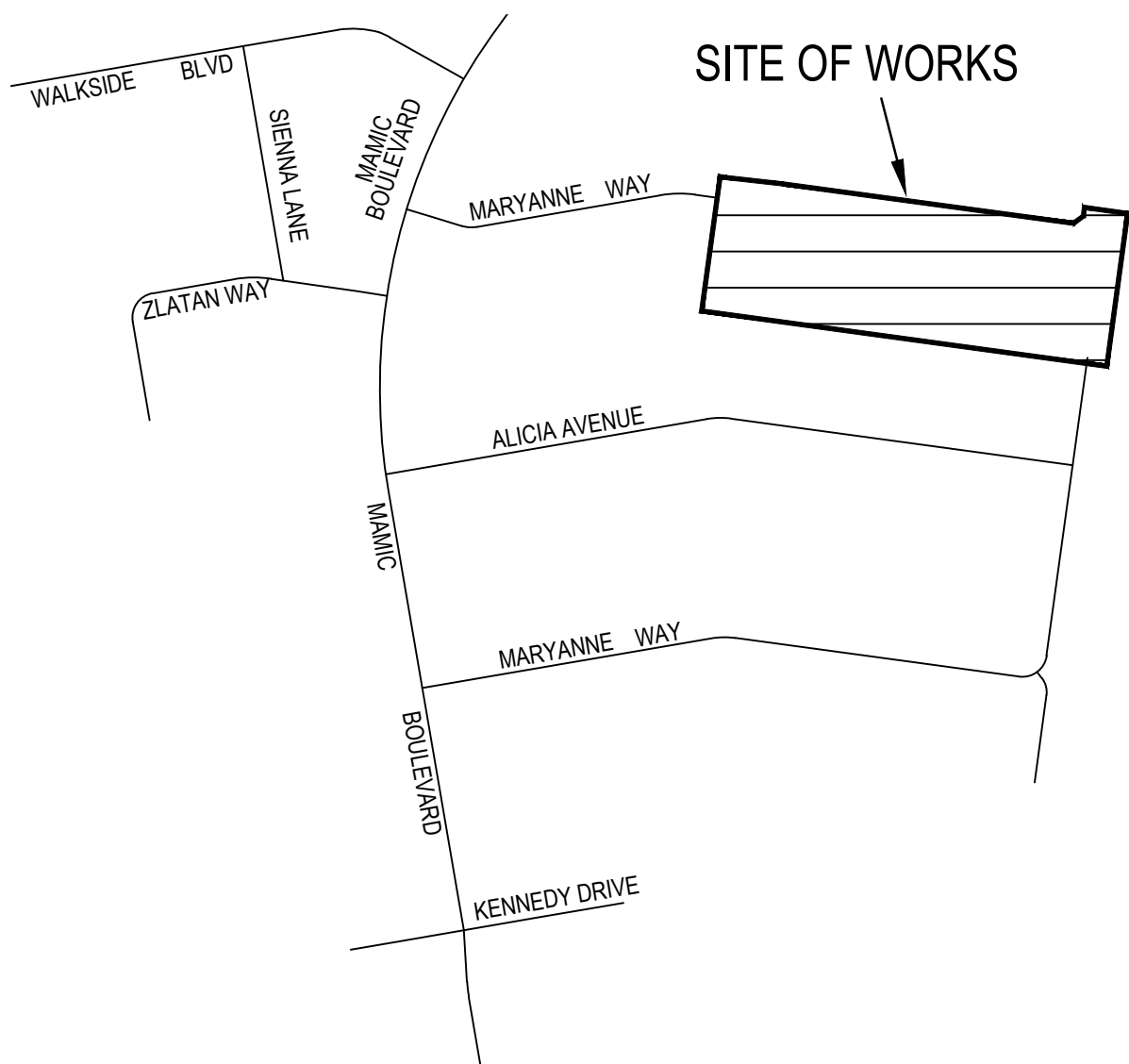
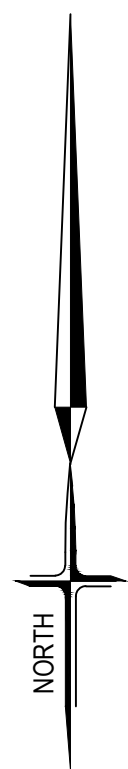
Should you have any queries, please contact me at Email: nihali@melton.vic.gov.au

Regards,



Nihal Jayasekara

DEVELOPMENT ENGINEER



SITE LOCALITY PLAN
NOT TO SCALE

MELTON

APPROVED
DETAILED ENGINEERING PLANS
Nihal Jayasekara
ENGINEERING SERVICES
Date: 26/07/2022



NOTE:
KERB CUTOFF FOR PASSIVE IRRIGATION. REFER TO
DETAIL ON SHEET 12. 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.
- WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVAL MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.
- 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.

SERVICE OFFSETS AND LOCATION TABLE

Location	Gas	Water		Telecommunications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
MARYANNE WAY E/W	2.25 S		2.75 S	1.80 S	1.80 S	2.50 N	1.00 BOK	4.20 N 4.20 S	16.00	G&W, FTH&E	ACCESS PLACE
MARYANNE WAY N/S	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, FTH&E	ACCESS PLACE
ANGELICA CIRCUIT WEST	2.25 E		2.75 E	1.80 E	1.80 E	0.75 W	1.00 BOK	2.20 W 4.20 E	14.00	G&W, FTH&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, FTH&E	ACCESS PLACE

NOTE: * OFFSET FROM BACK OF KERB

Prop

Prev Stage

Drains

Main Drains

Sewer < 3000

Sewer > 3000

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

Ex/Natural/FS Level

FS @ Building Line

Top/Toe of Batter

Top Ret. Wall Level

100yr Flood Level

Fill Proposed (<0.3m/≥0.3m)

Cut Proposed

Asphalt Surface Prop

Concrete Surface Prop (Paths/Driveways/Slabs)

Tree To Be Removed

Tree To Be Retained with Tree Protection Zone (TPZ)

+28.57

+1028.57

+BL28.57

+TOP28.57

+TW28.57

+FL28.57

+F328.57

+T328.57

+O28.57

AMENDMENTS

VER	DATE	REMARKS

breesepitt

breese pitt dixon pty. ltd.

land surveyors

civil engineers

MELWAY REF. 356-C-1

SURVEY BPD

DESIGN J.B

DRAWN I.W

SCALE AS SHOWN

DATUM AHD

DATE MAR 2022

ASPIRE ESTATE
STAGE 30A
LAYOUT PLAN

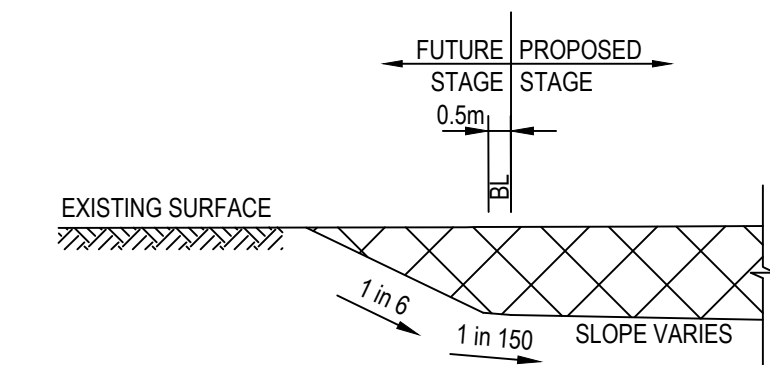
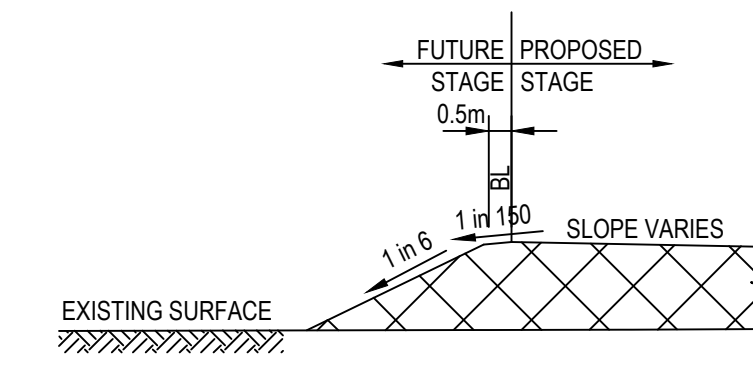
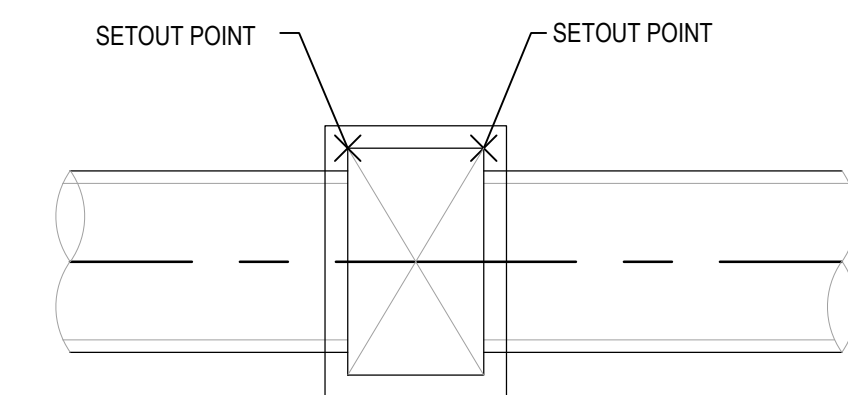
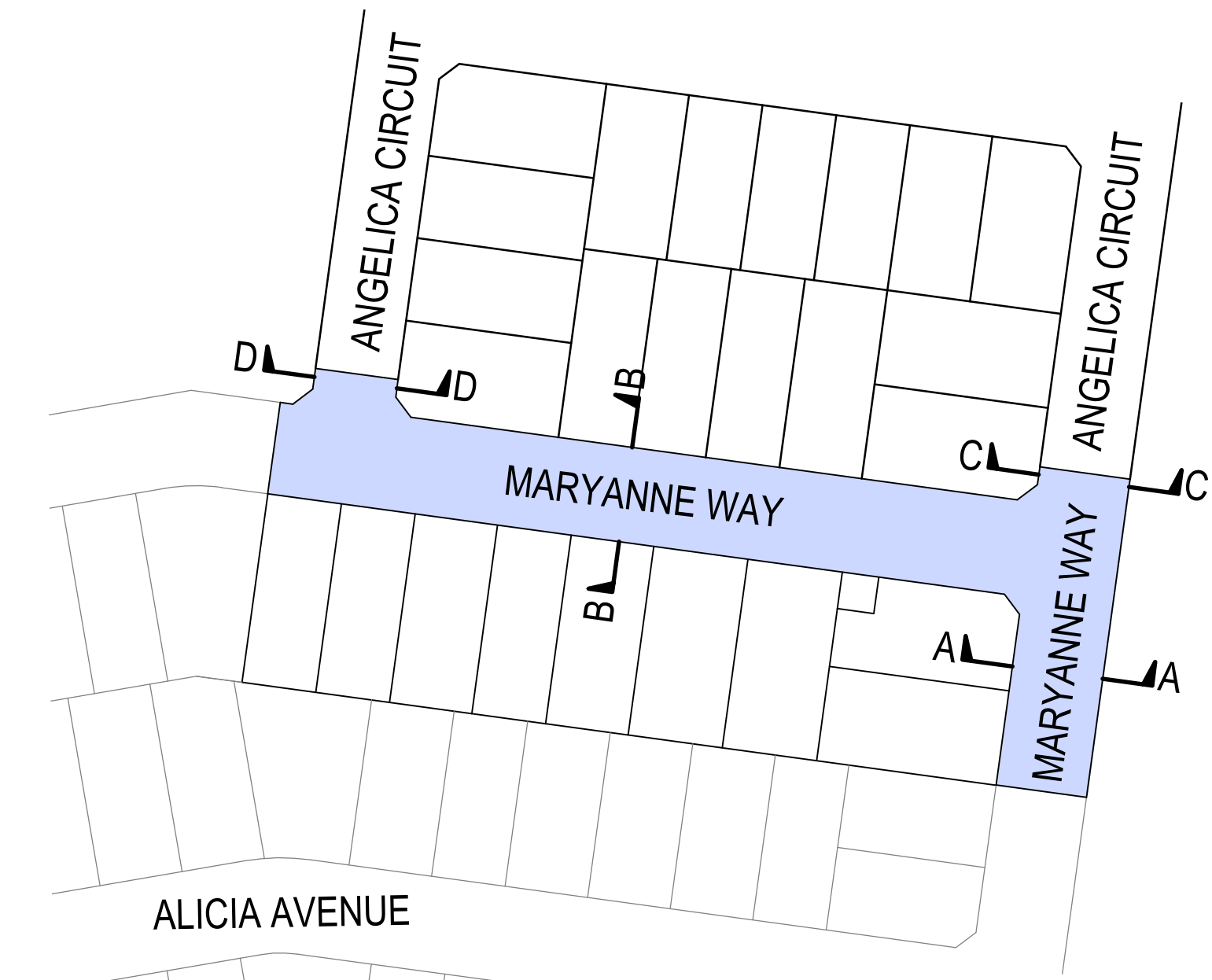
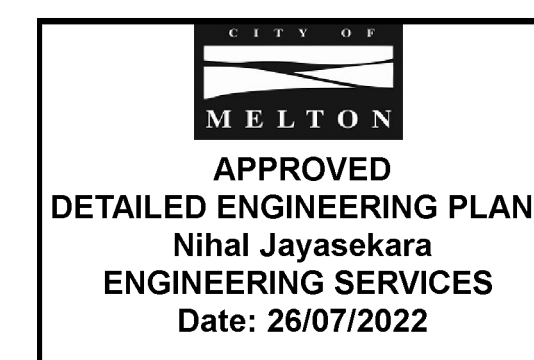
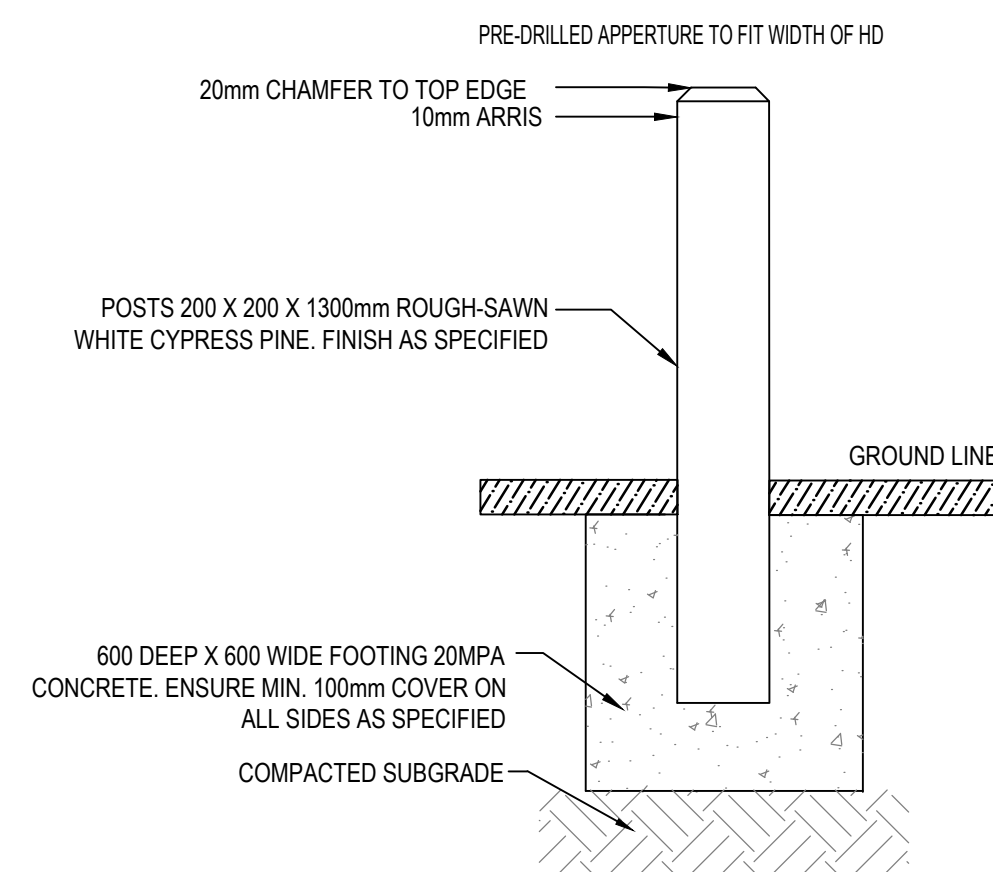
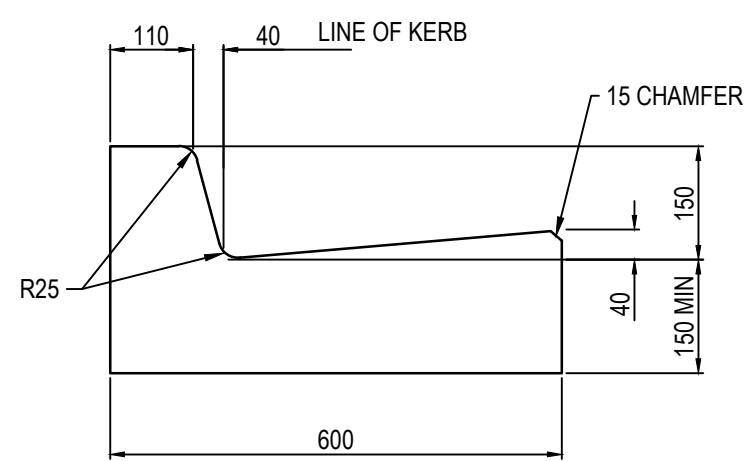
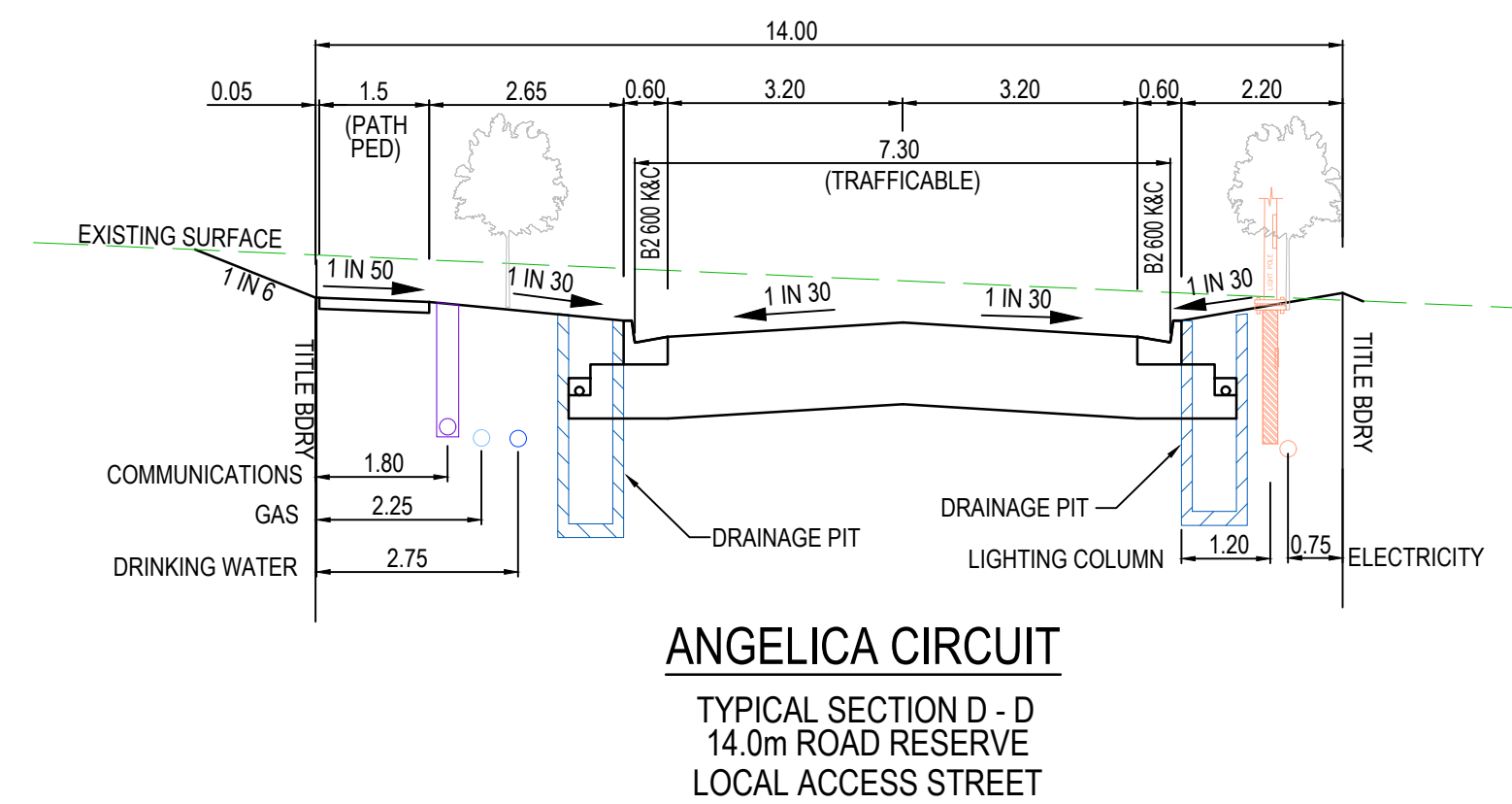
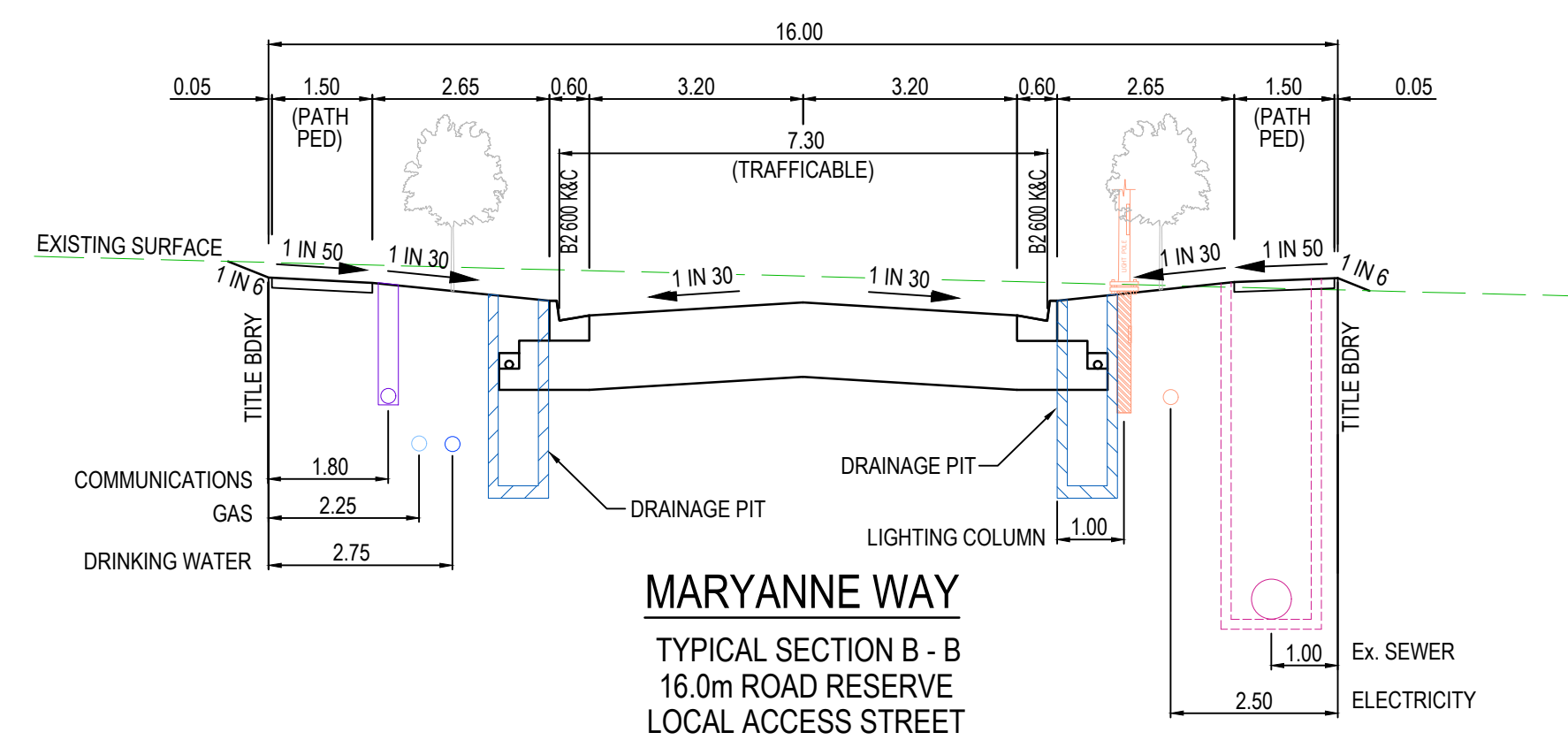
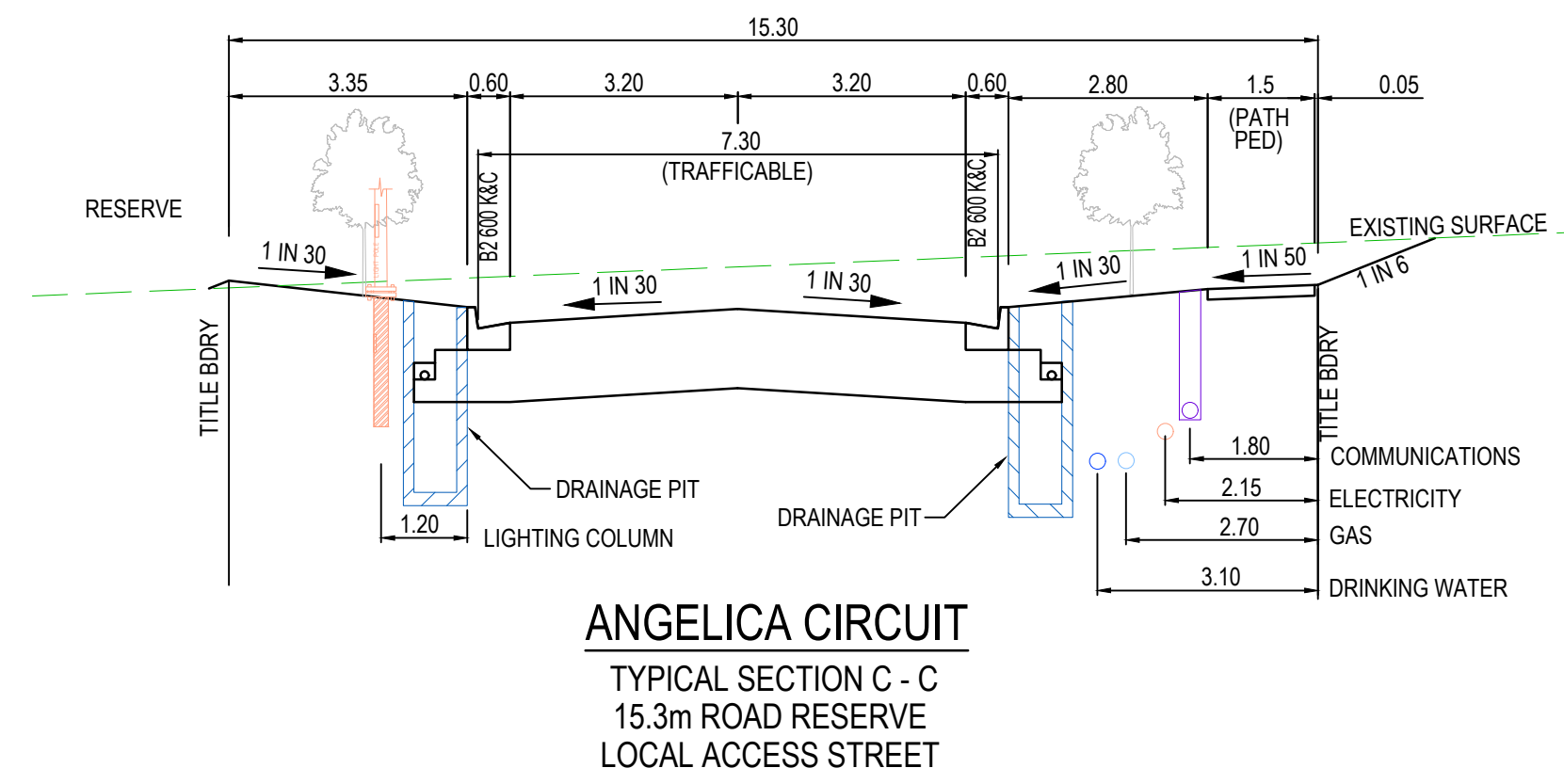
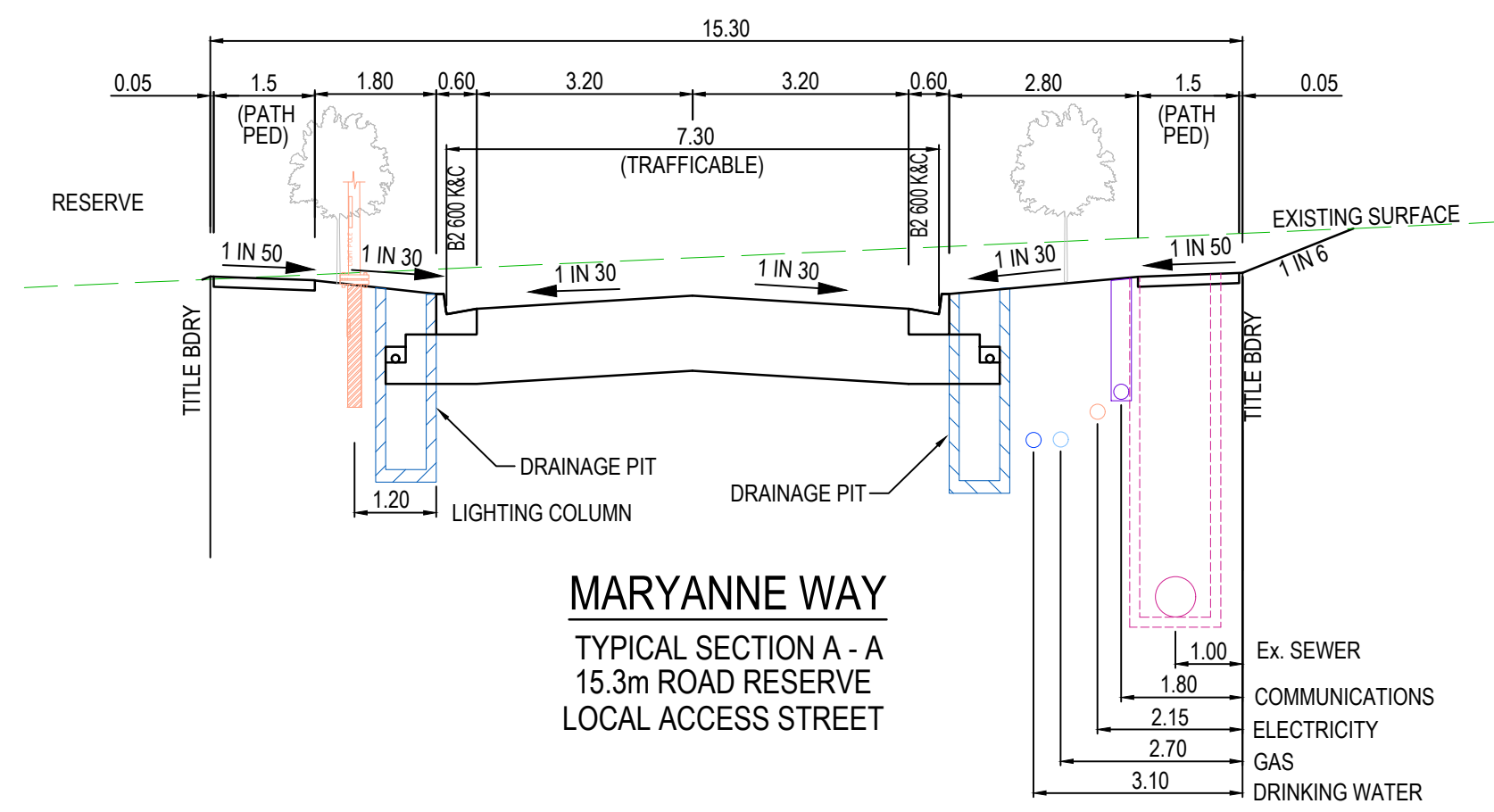
MELTON
REFERENCE 8226 E/30A


1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MUNICIPALITY
MELTON

SHEET 01 OF 14

P3



AMENDMENTS					breese pitt dixon pty. ltd. land surveyorscivil engineers				1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
				MELWAY REF.	356-C-1	ASPIRE ESTATE STAGE 30A TYPICAL CROSS SECTIONS				MUNICIPALITY			
			SURVEY	BPD	MELTON								
			DESIGN	J.B	REFERENCE								
			DRAWN	I.W	8226 ^E /30A								
VER	DATE	REMARKS	CHECKED	-	SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022	SHEET	02 OF 14	P3

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 EDM701, EDM702 & EDM703.
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 EDM701 & EDM703.
7.

AGRICULTURAL PIPE DRAINS, AS PER VPA STD DWG EDM202, 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.(U). PIPES LAYED ON A CURVE TO BE R.J. 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 4.5 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 EDM401.

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 EDM301.
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 DOWELED 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.

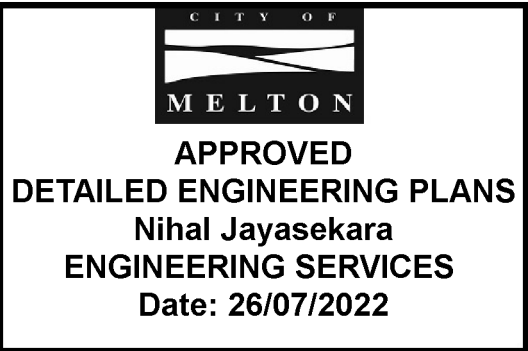
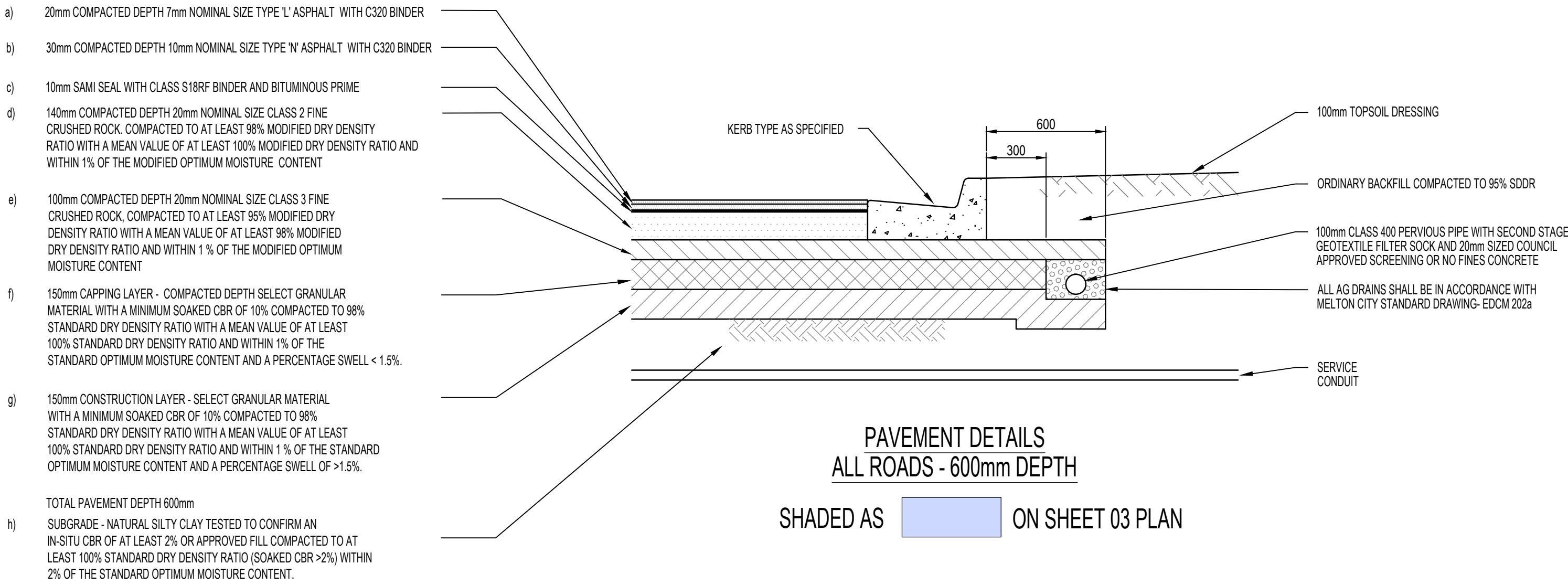
PIT SCHEDULE NOTES


1.

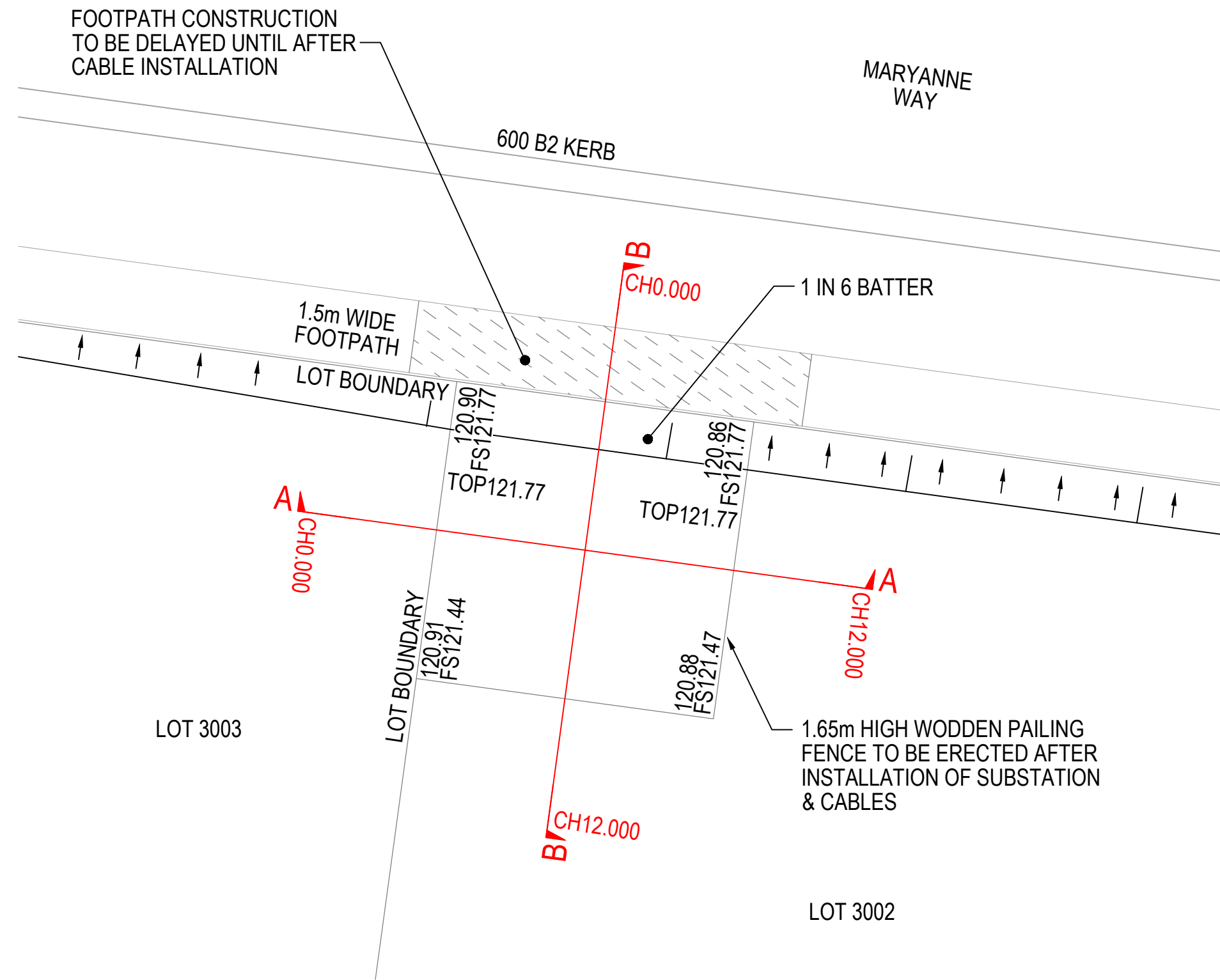
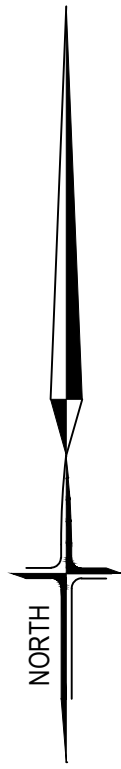
WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm x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

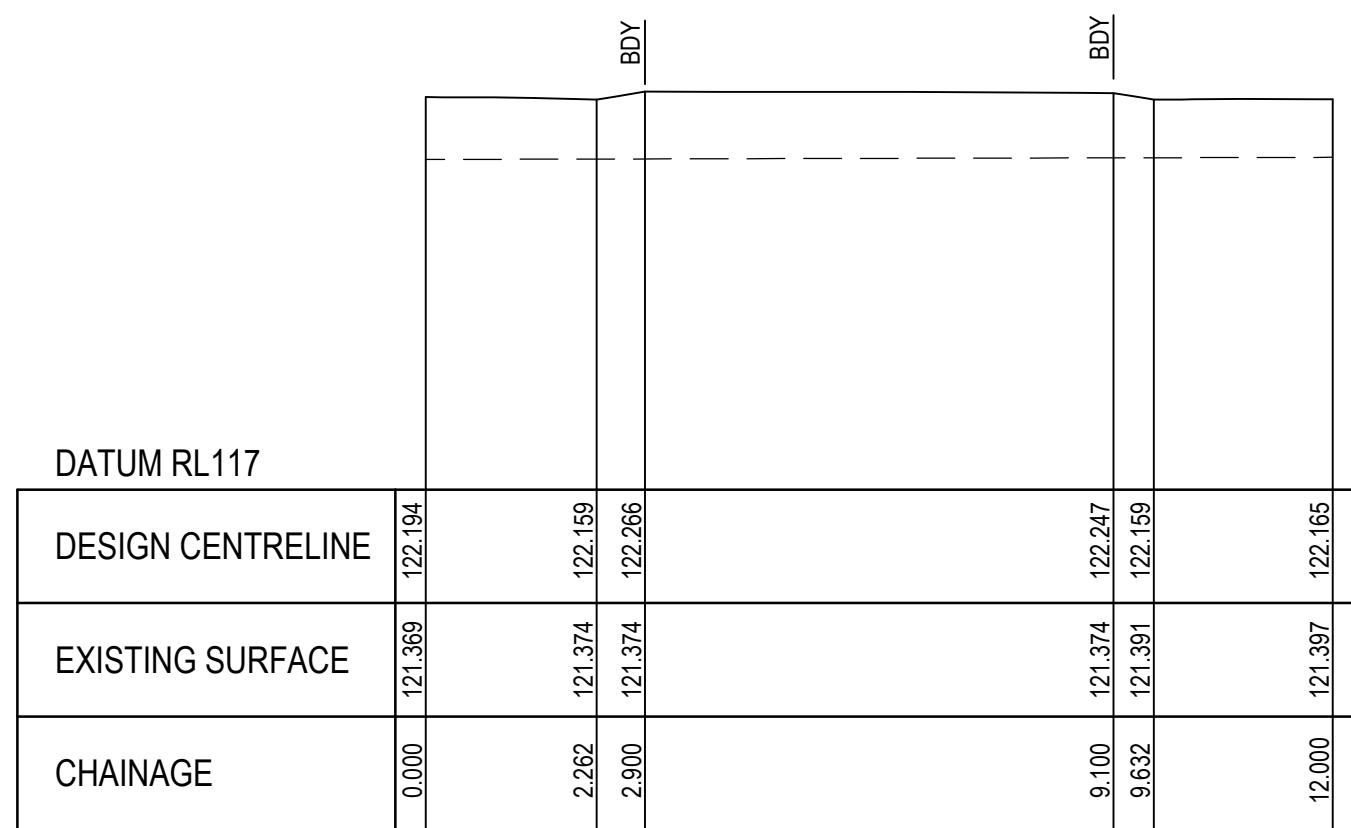


AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers					1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310								
				MELWAY REF.	356-C-1		ASPIRE ESTATE STAGE 30A PAVEMENT COMPOSITION & GENERAL NOTES					MUNICIPALITY MELTON						
				SURVEY	BPD													
				DESIGN	J.B							REFERENCE 8226 ^E /30A						
				DRAWN	I.W													
VER	DATE	REMARKS		CHECKED	-		SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022		SHEET	03	OF	14	P3

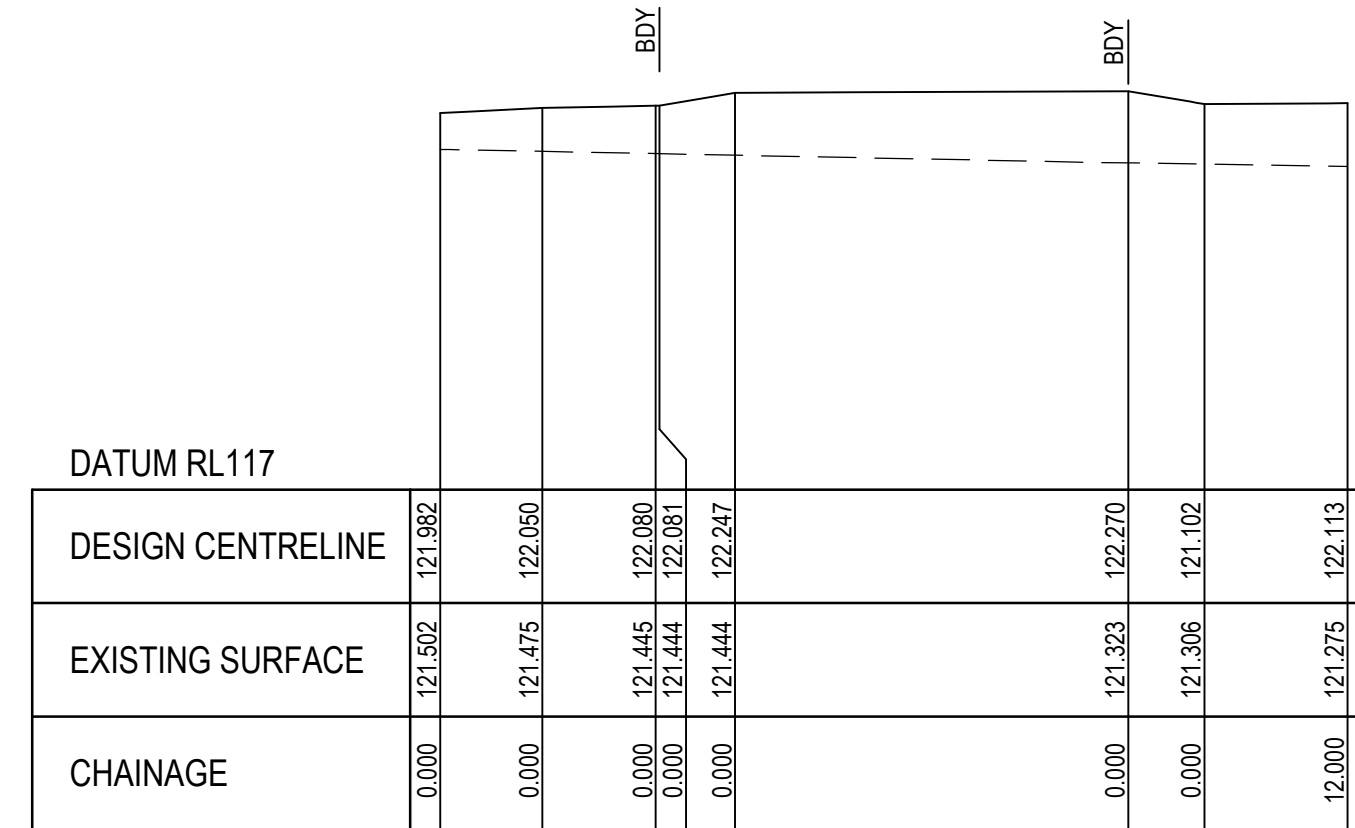


PLAN
SCALE - 1 in 100


APPROVED
DETAILED ENGINEERING PLANS
Nihal Jayasekara
ENGINEERING SERVICES
Date: 26/07/2022

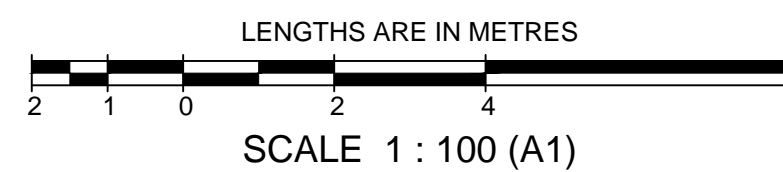


ALIGNMENT A - A




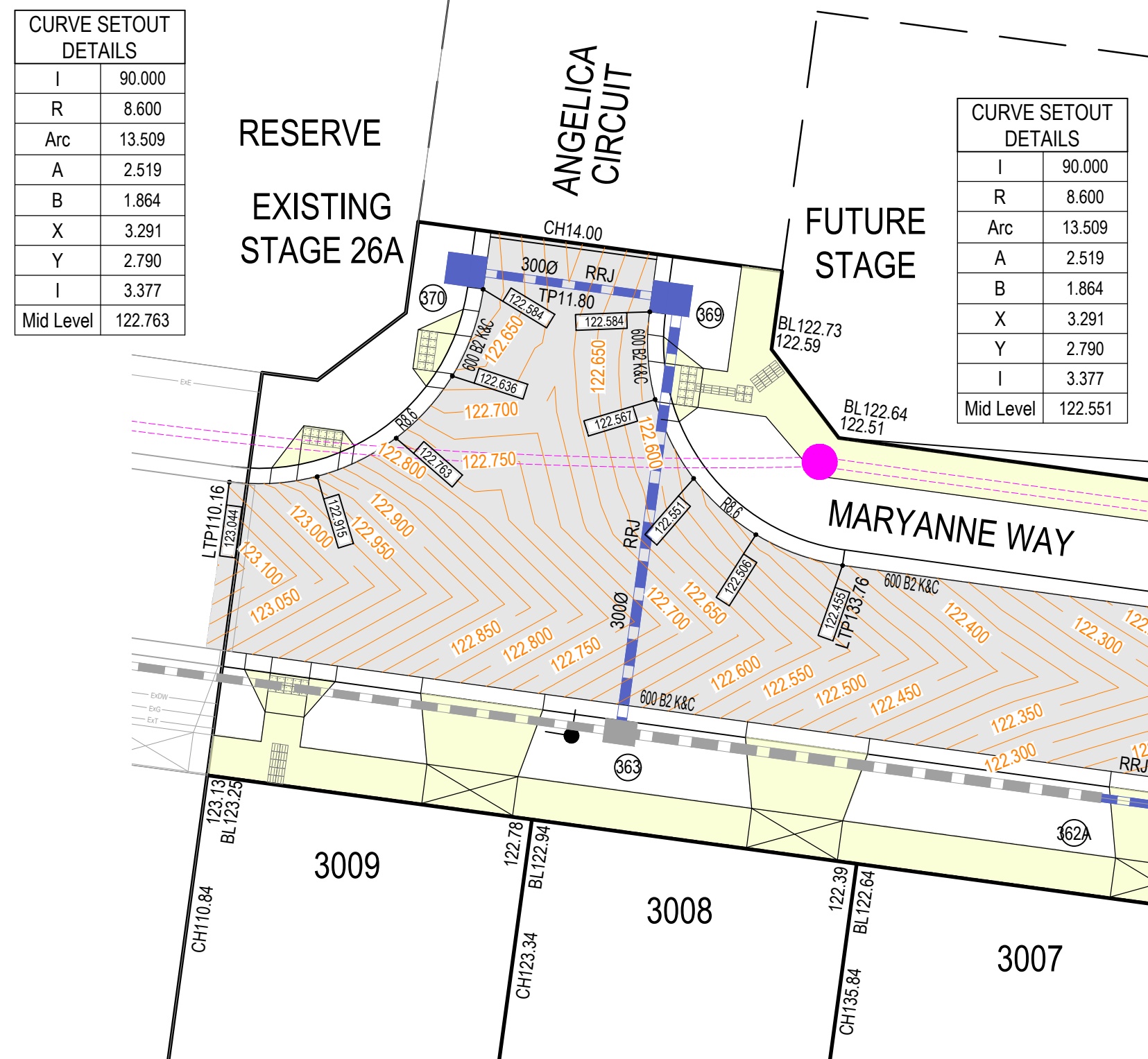
ALIGNMENT B - B

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.




PRELIMINARY

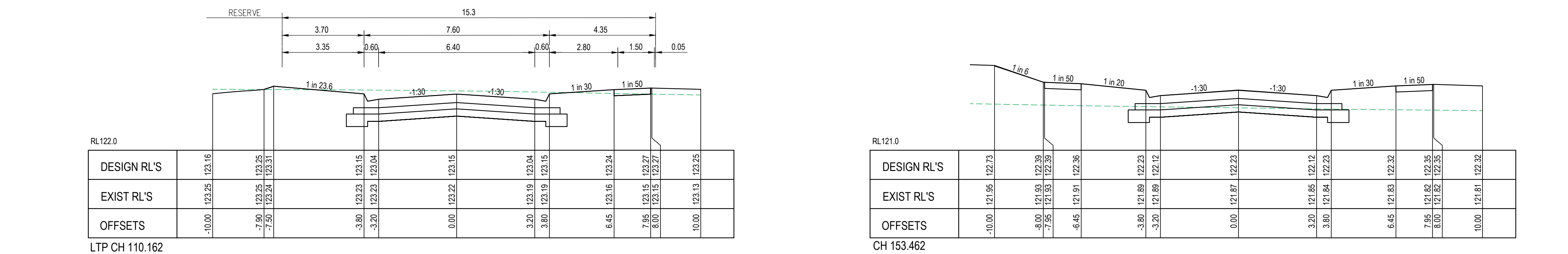
AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
				MELWAY REF.	354-C-12		ASPIRE ESTATE STAGE 30A TRANSFORMER SITE DETAILS				MUNICIPALITY				
				SURVEY	BPD						MELTON				
				DESIGN	J.B						REFERENCE				
				DRAWN	I.W						8226 E/30A				
VER	DATE	REMARKS		CHECKED	-		SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022	SHEET	04 OF 14	P3

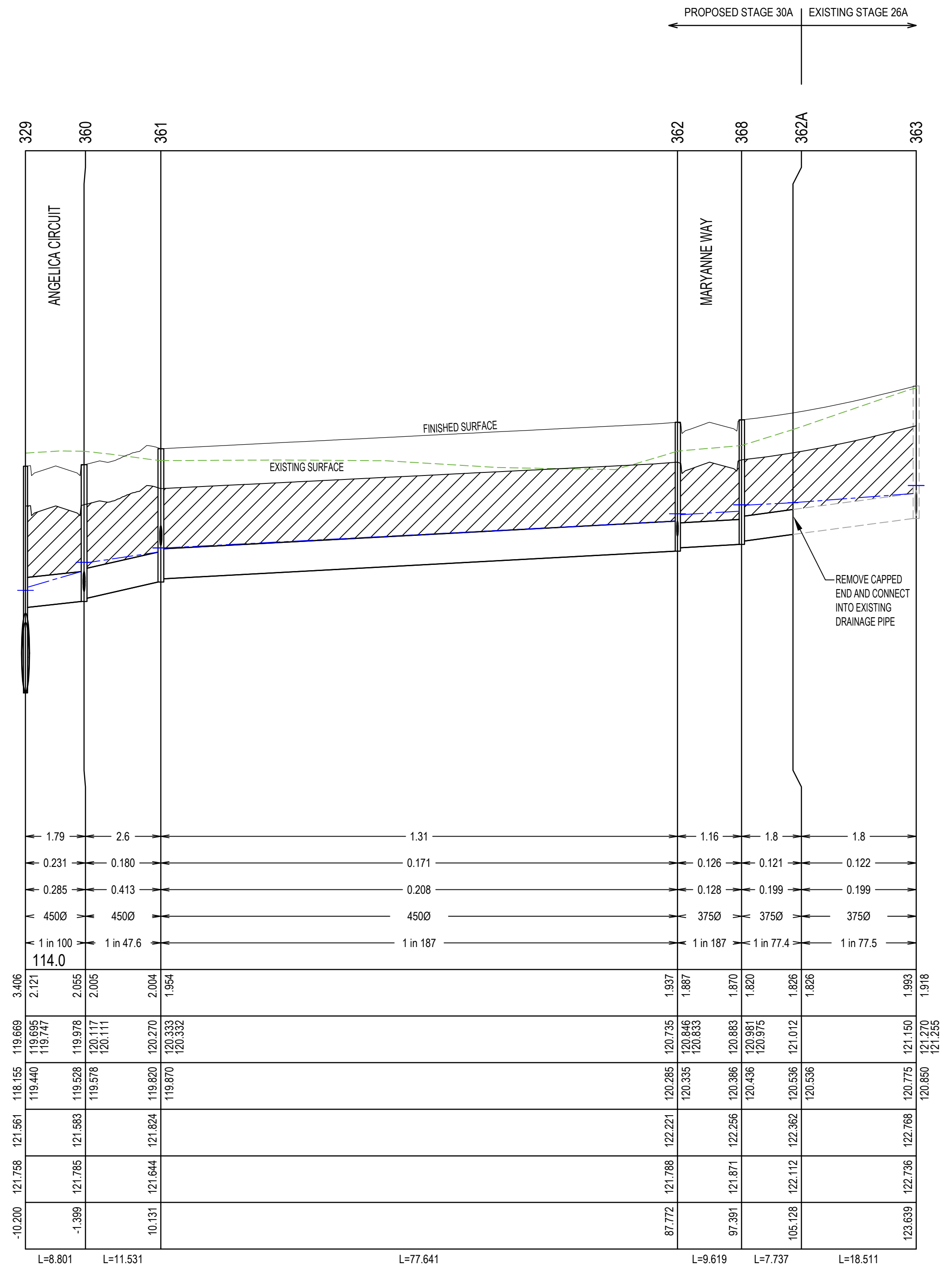
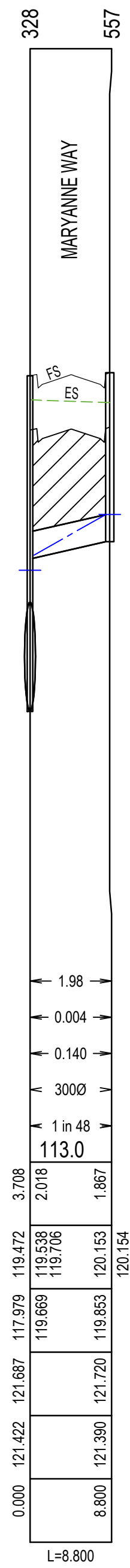
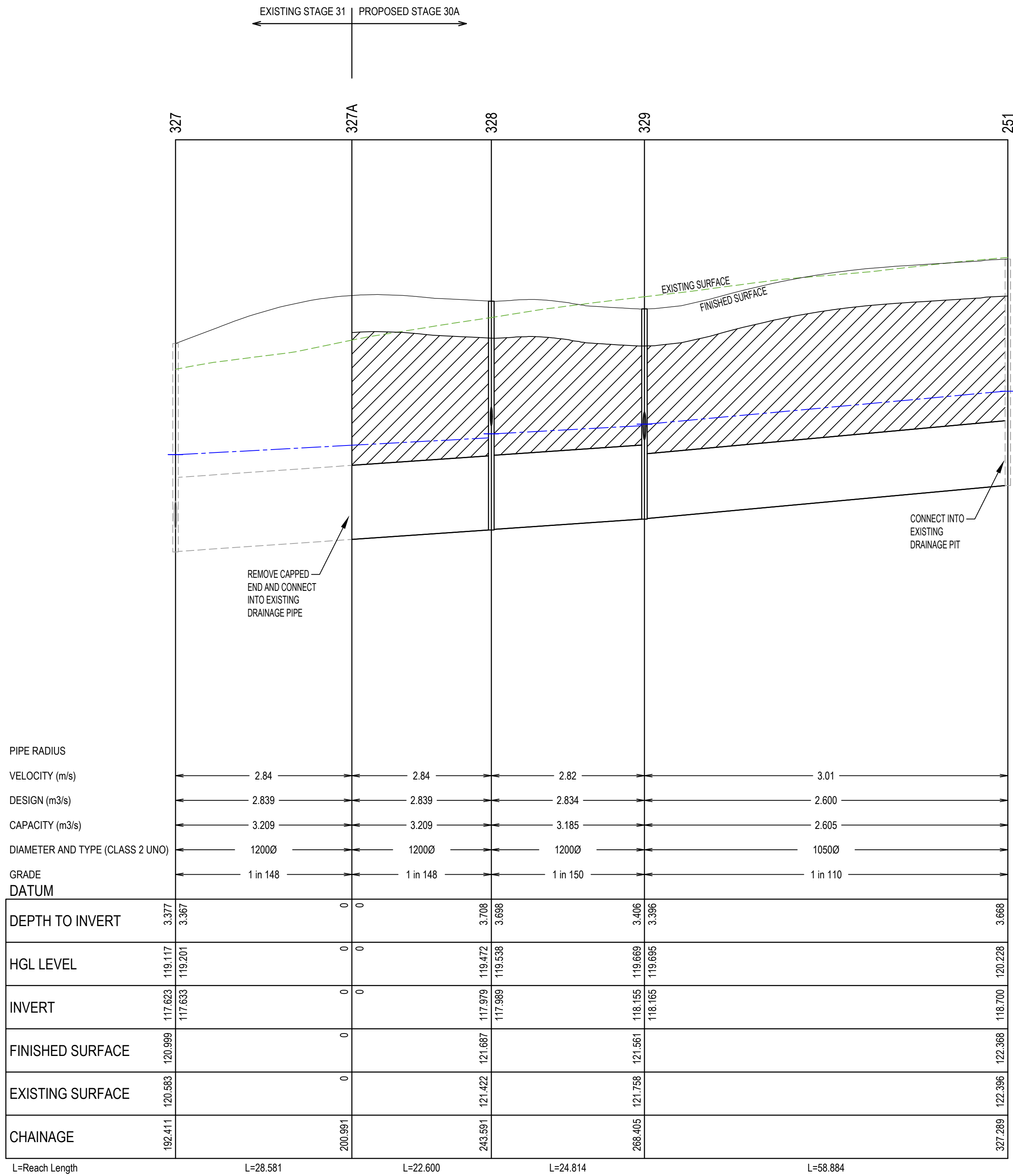


The diagram illustrates the setout for a lip profile. It shows a cross-section of a lip with a curved top and a pointed bottom. The top surface is divided into segments with widths labeled y , x , and y . The bottom surface is also divided into segments with widths labeled y , x , and y . The radius of the bottom curve is labeled R . The length of the lip is labeled l . The diagram is labeled "LIP PROFILE SETOUT".

AMENDMENTS				breese pitt dixon pty. ltd. land surveyorscivil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310								
			MELWAY REF.	356-C-1	ASPIRE ESTATE STAGE 30A INTERSECTION PLAN			MUNICIPALITY							
			SURVEY	BPD				MELTON							
			DESIGN	J.B				REFERENCE							
			DRAWN	I.W				8226 ^E /30A							
VER	DATE	REMARKS	CHECKED	-	SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022	SHEET	05	OF	14	P3

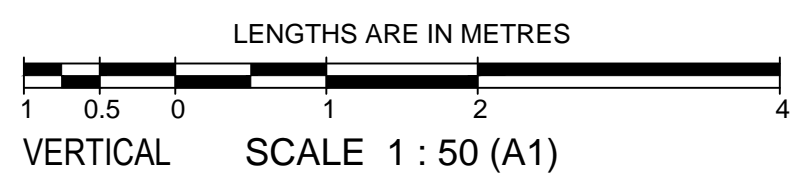
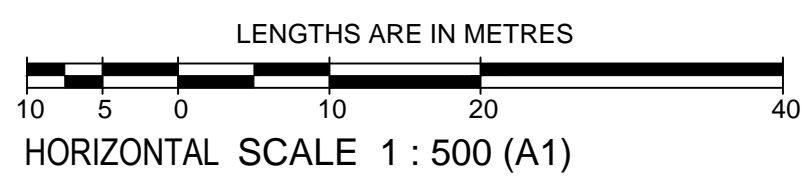
PRELIMINARY





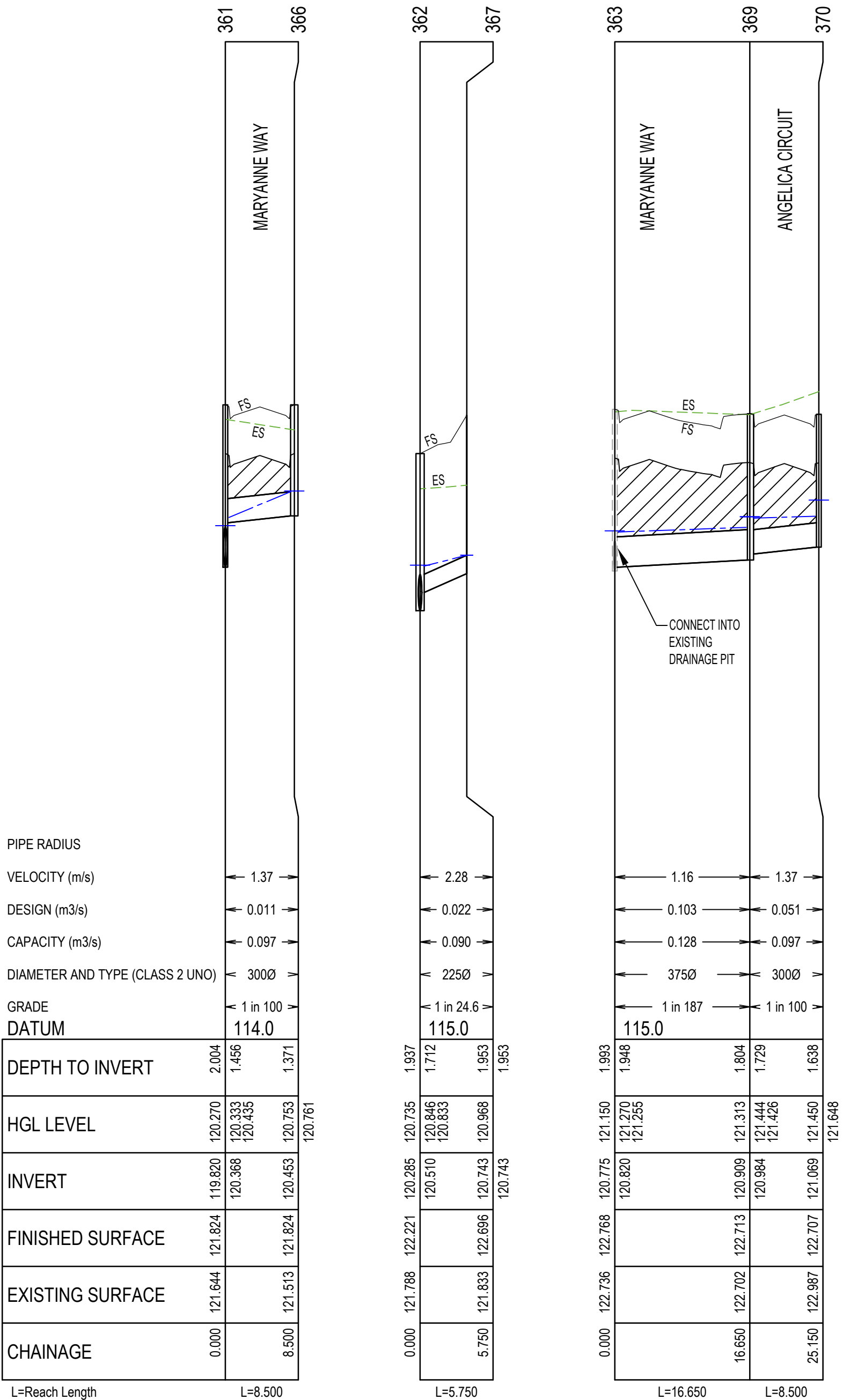
LEGEND:

- EXISTING SURFACE PROFILE
- FINISHED SURFACE PROFILE
- INDICATES SVR HGL
- INDICATES CRUSHED ROCK BACKFILL

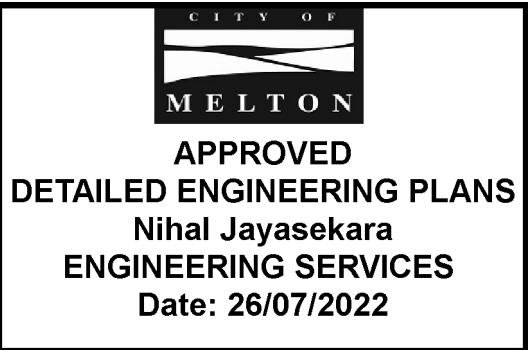


PRELIMINARY


AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
VER	DATE	REMARKS	CHECKED	-	SCALE AS SHOWN		DATUM AHD	DATE MAR 2022
				MELWAY REF. 354-C-12		ASPIRE ESTATE STAGE 30A		MUNICIPALITY MELTON
				SURVEY BPD		DRAINAGE LONGITUDINAL SECTIONS - SHEET 1		REFERENCE 8226 E/30A
				DESIGN J.B				SHEET 09 OF 14
				DRAWN I.W				P3

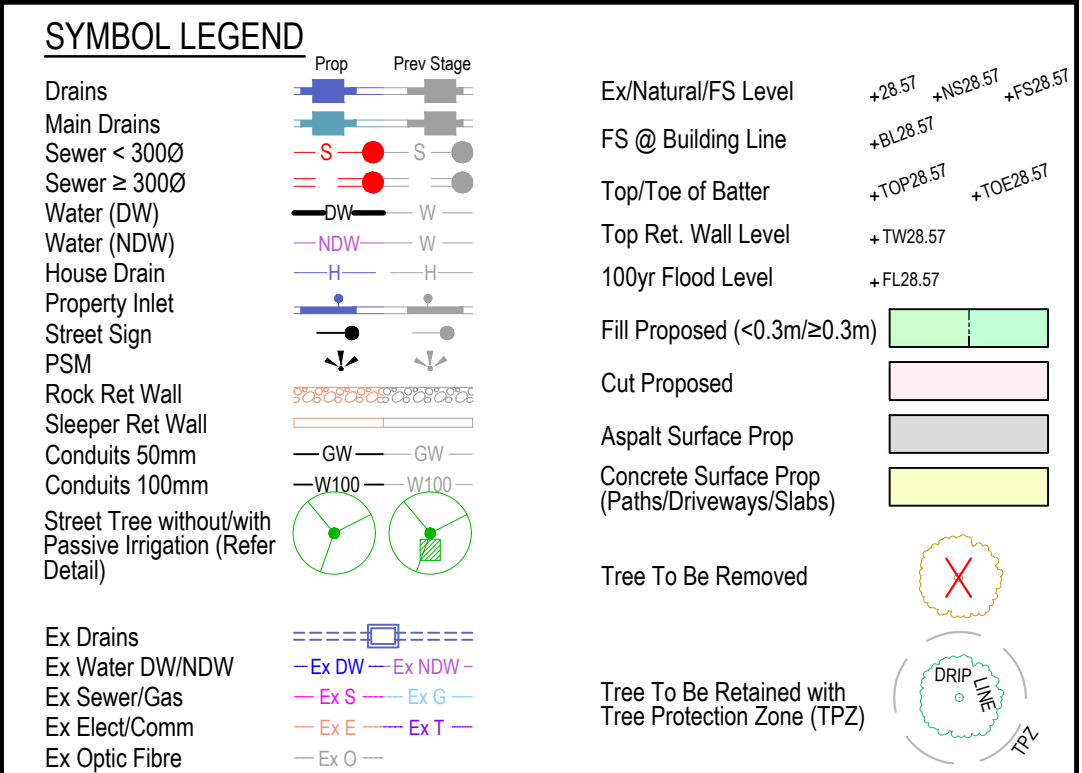
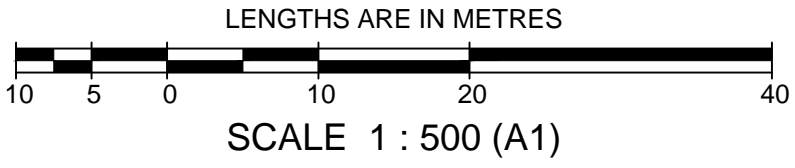
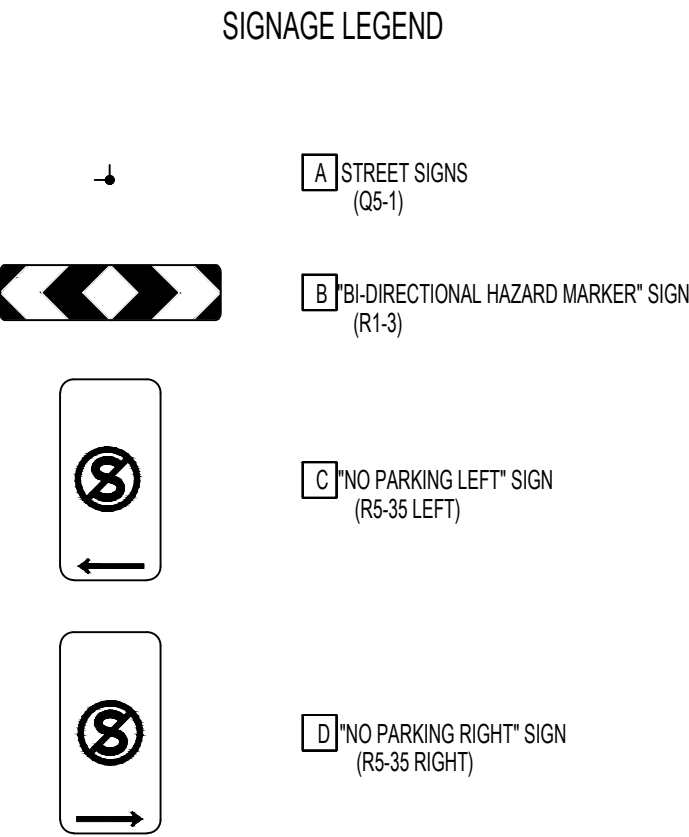
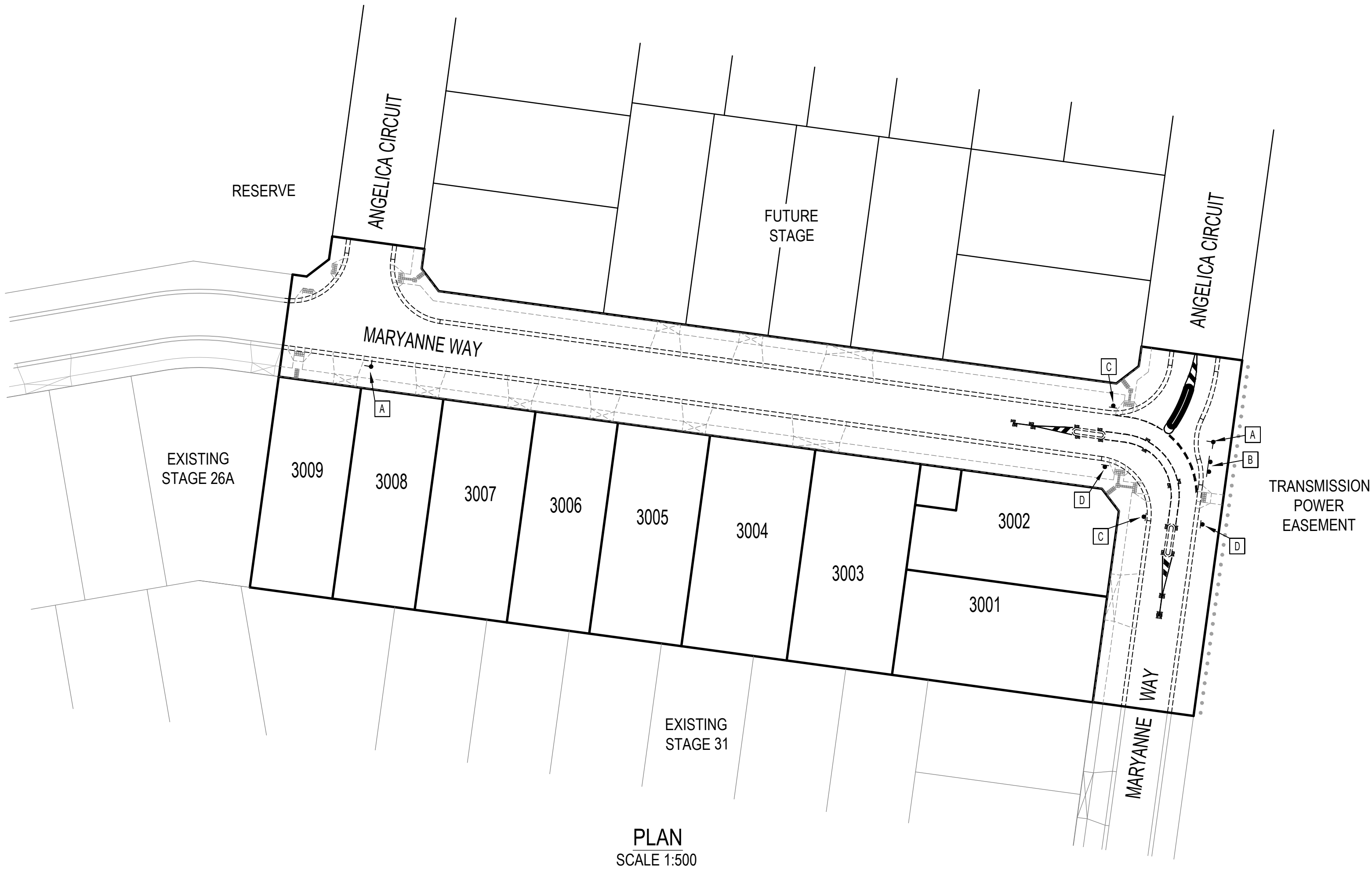



STRUCTURE SCHEDULE												
PIT No.	DESCRIPTION	INTERNAL DIMENSIONS		INLET		OUTLET		BRANCH CONNECTION		TOP OF PIT	DEPTH OF PIT	REMARKS
		L	W	DIA	LEVEL	DIA	LEVEL	DIA	LEVEL			
327A	End of Pipe (Existing)					1200	117.86			121.723	3.863	Connect into Existing Drainage Pipe.
328	Channel Grating Pit	1350	900	1200	117.989	1200	117.979	300	119.669	121.687	3.708	EDCM601- EDCM607 with Class B Cover. Haunched at top 600 * 900
329	Channel Grating Pit	1350	900	1050	118.165	1200	118.155	450	119.44	121.561	3.406	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900
												E: 299220.4025, N: 5824883.2377 / E: 299221.2942, N:5824883.1156
251	Junction Pit (Existing)					1050	118.7			122.39	3.69	Connect into Existing Drainage Pit
557	Channel Grating Pit	600	900									
360	Channel Grating Pit	900	900	450	119.578	450	119.528			121.583	2.055	EDCM601- EDCM607 with Class B Cover. Haunched at top 600 * 900
361	Channel Grating Pit	900	900	450	119.87	450	119.82	300	120.368	121.824	2.004	EDCM601- EDCM607 with Class B Cover. Haunched at top 600 * 900
362	Channel Grating Pit	600	900	375	120.335	450	120.285	225	120.51	122.221	1.937	EDCM601-EDCM605 with Class B Cover.
												E: 299116.0040, N: 5824859.1489 / E: 299116.8958, N:5824859.0275
368	Channel Grating Pit	600	900	375	120.436	375	120.386			122.256	1.87	EDCM601-EDCM605 with Class B Cover.
												E: 299115.8109, N: 5824851.2023 / E: 299114.9191, N:5824851.3237
362A	End of Pipe (Existing)					375	120.536			122.362	1.826	Connect into Existing Pipe
366	Channel Grating Pit	600	900			300	120.453			121.824	1.371	EDCM601-EDCM605 with Class B Cover.
367	End of Pipe			225	120.743	225	120.743			122.696	1.953	Capped End for Future Connection.
												E: 299117.2660, N: 5824865.0829
369	Channel Grating Pit	600	900	300	120.984	375	120.909			122.713	1.804	EDCM601-EDCM605 with Class B Cover.
370	Channel Grating Pit	600	900			300	121.069			122.707	1.638	EDCM601-EDCM605 with Class B Cover.

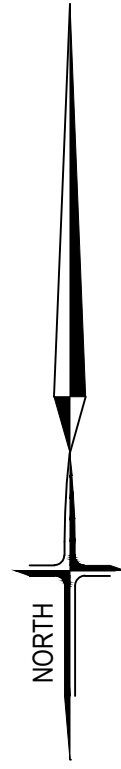


PRELIMINARY

AMENDMENTS									breese pitt dixon pty. ltd. land surveyors civil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
								MELWAY REF.	354-C-12	ASPIRE ESTATE STAGE 30A DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 & DRAINAGE STRUCTURE DETAILS				MUNICIPALITY	
							SURVEY	BPD	MELTON						
							DESIGN	J.B	REFERENCE						
							DRAWN	I.W	8226 E / 30A						
VER	DATE	REMARKS			CHECKED	-	SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022	SHEET	10 OF 14	P3



AMENDMENTS						breese pitt dixon pty. ltd.		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
				MELWAY REF.	356-C-1	ASPIRE ESTATE STAGE 30A SIGNAGE AND LINEMARKING			MUNICIPALITY MELTON						
				SURVEY	BPD				REFERENCE 8226 E/30A						
				DESIGN	J.B										
				DRAWN	I.W										
VER	DATE	REMARKS	CHECKED	-	SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022	SHEET	11	OF	14	P3



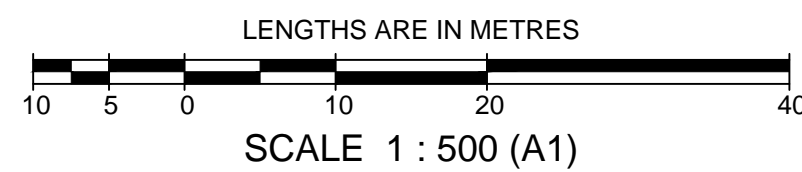
PLAN
SCALE 1:500




LEGEND

- PROPOSED PASSIVE IRRIGATION TREE PITS
- EXISTING PASSIVE IRRIGATION TREE PITS

NOTE:
LOCATION OF "TREENET" INLET TO BE COORDINATED WITH FINAL COUNCIL ENDORSED LANDSCAPE ARCHITECTS DRAWINGS.



SYMBOL LEGEND	
Drains	Prop
Main Drains	Prev Stage
Sewer < 3000	
Sewer > 3000	
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	
Ex/Natural/FS Level	
FS @ Building Line	
Top/Toe of Batter	
Top Ret. Wall Level	
100yr Flood Level	
Fill Proposed (<0.3m/≥0.3m)	
Cut Proposed	
Asphalt Surface Prop	
Concrete Surface Prop (Paths/Driveways/Slabs)	
Tree To Be Removed	
Tree To Be Retained with Tree Protection Zone (TPZ)	

AMENDMENTS							breese pitt dixon pty. ltd.		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
								land surveyors		civil engineers		
				MELWAY REF. 356-C-1				ASPIRE ESTATE STAGE 30A PASSIVE IRRIGATION PLAN				
				SURVEY BPD								
				DESIGN J.B								
			DRAWN I.W				MUNICIPALITY MELTON					
							REFERENCE 8226 E/30A					
VER	DATE	REMARKS	CHECKED	-	SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022	SHEET 12 OF 14	P3

TREE PIT SECTION

600 B2 KERB (INSTALLED BY CIVIL CONTRACTOR)

"TREENET" INLET AS PER MANUFACTURERS SPECIFICATION. TO BE PLACED IN THE HIGH SIDE OF THE TREE PIT. (INSTALLED BY CIVIL CONTRACTOR). CAP END FOR FUTURE CONNECTION BY LANDSCAPING CONTRACTOR.

PASSIVE IRRIGATION INLET DETAIL
SCALE - 1:20

FOOTPATH

REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR TREE LOCATION AND TREE PASSIVE IRRIGATION DETAILS. (TO BE INSTALLED BY LANDSCAPE CONTRACTOR)

NOTE:
KERB CUTOUT FOR PASSIVE IRRIGATION. REFER TO DETAIL. FINAL STREET PIT LOCATION TO BE COORDINATED WITH LANDSCAPE DRAWINGS.

"TREENET" INLET AS PER MANUFACTURERS SPECIFICATION. TO BE PLACED ON THE HIGH SIDE OF THE TREE (INSTALLED BY CIVIL CONTRACTOR). CAP END FOR FUTURE CONNECTION BY LANDSCAPING CONTRACTOR.

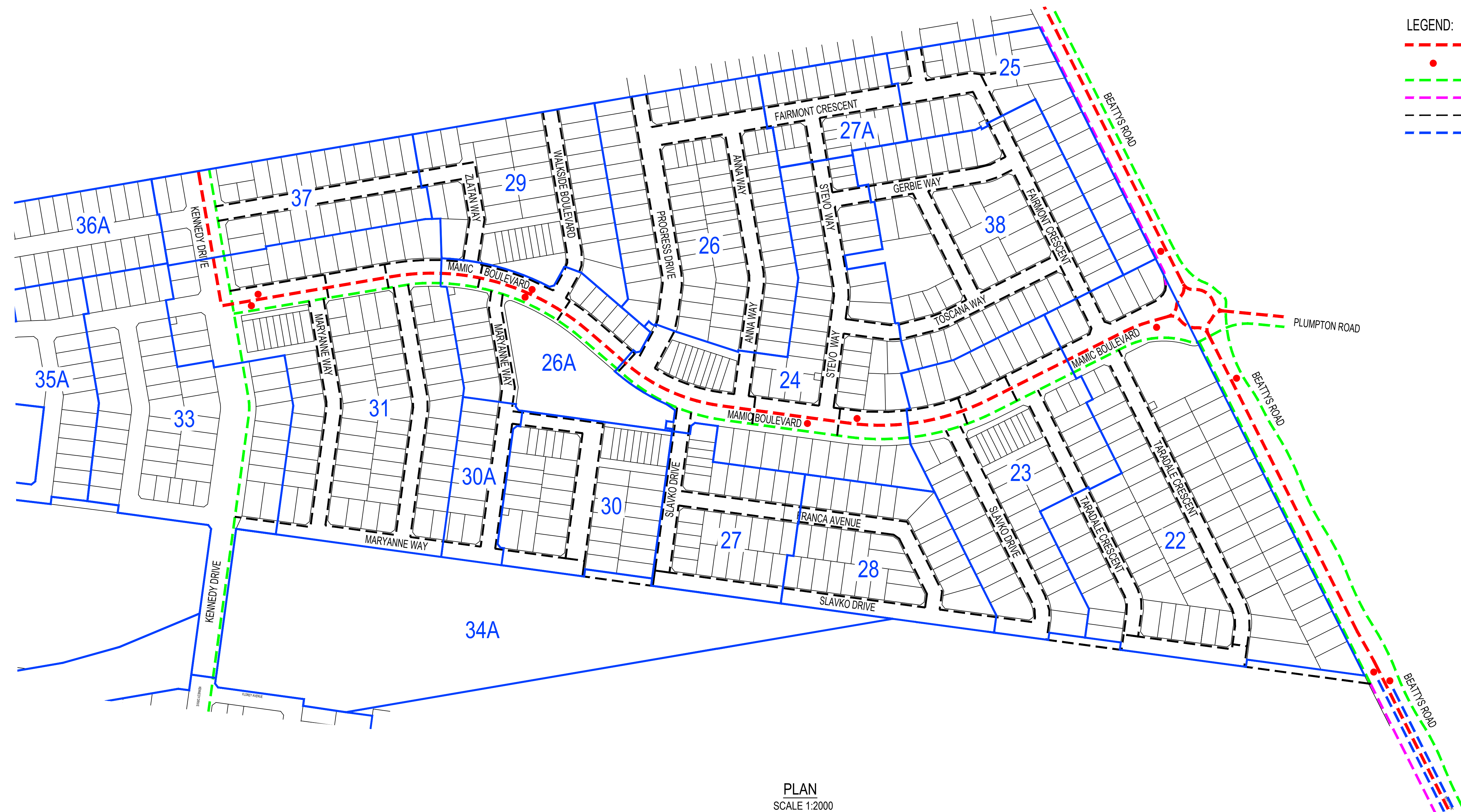
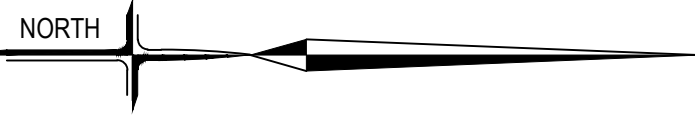
600 B2 KERB (INSTALLED BY CIVIL CONTRACTOR)

MINIMUM 1200AS DETERMINED BY THE LANDSCAPE ARCHITECT

1500 - FOOTPATH

REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR TREE PASSIVE IRRIGATION DETAILS. (TO BE INSTALLED BY LANDSCAPE CONTRACTOR)

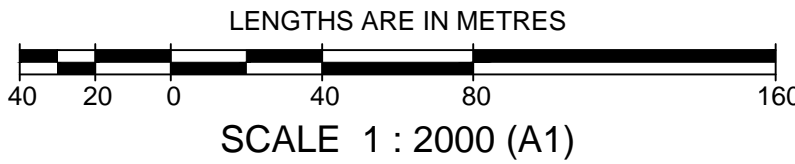
PASSIVE IRRIGATION INLET SECTION
SCALE - 1:20




- LEGEND:
- POTENTIAL BUS ROUTE (AS PER PSP)
 - TV BUS STOP LOCATION
 - 3.0m WIDE SHARED PATH
 - 2.0m WIDE SHARED PATH
 - 1.5m WIDE FOOTPATH
 - ON ROAD BIKE LANE (BOTH SIDES) AS PER PSP

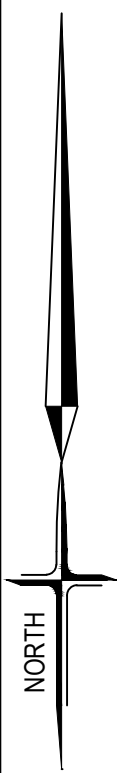
PLAN
SCALE 1:2000


APPROVED
DETAILED ENGINEERING PLANS
Nihal Jayasekara
ENGINEERING SERVICES
Date: 26/07/2022

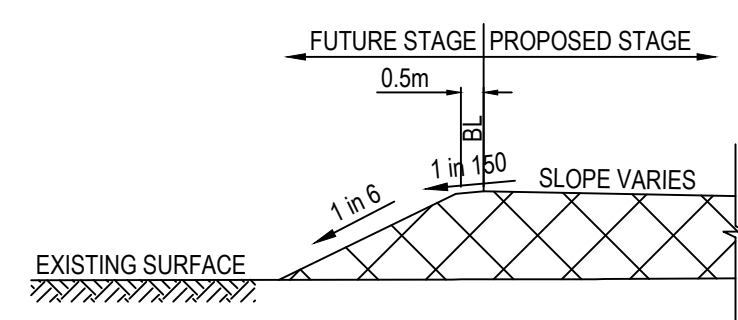


PRELIMINARY

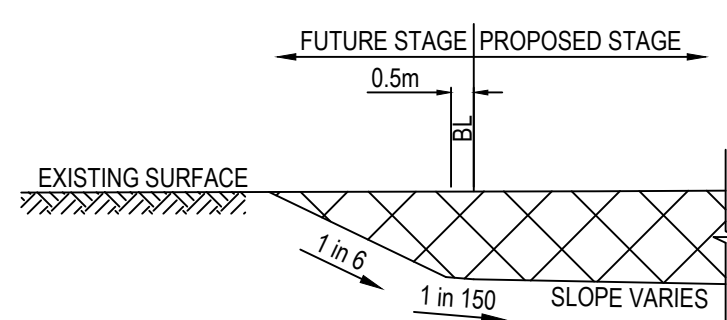
AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
				MELWAY REF.	354-C-12	ASPIRE ESTATE STAGE 30A MOBILITY PLAN		MUNICIPALITY
				SURVEY	BPD			MELTON
				DESIGN	J.B			REFERENCE
				DRAWN	I.W			8226 E/30A
VER	DATE	REMARKS	CHECKED	-	SCALE	AS SHOWN	DATUM	AHD
					DATE	MAR 2022	SHEET	13 OF 14
								P3



PLAN
SCALE 1:500



TYPICAL SECTION WHEN
IN FILL ON BOUNDARY
OF FUTURE STAGE
NOT TO SCALE



TYPICAL SECTION WHEN
IN CUT ON BOUNDARY
OF FUTURE STAGE
NOT TO SCALE

SYMBOL LEGEND	
Drains	Prop
Main Drains	Prev Stage
Sewer < 3000	S
Sewer > 3000	S
Water (DW)	W
Water (NDW)	W
House Drain	W
Property Inlet	W
Street Sign	W
PSM	W
Rock Ret Wall	W
Sleeper Ret Wall	W
Conduits 50mm	W
Conduits 100mm	W
Street Tree without/with Passive Irrigation (Refer Detail)	W
Ex Drains	Ex DW
Ex Water DW/NDW	Ex NDW
Ex Sewer/Gas	Ex S
Ex Elect/Comm	Ex E
Ex Optic Fibre	Ex T
Ex Natural/FS Level	Ex Natural/FS Level
FS @ Building Line	FS @ Building Line
Top/Toe of Batter	Top/Toe of Batter
Top Ret. Wall Level	Top Ret. Wall Level
100yr Flood Level	100yr Flood Level
Fill Proposed (<0.3m/≥0.3m)	Fill Proposed (<0.3m/≥0.3m)
Cut Proposed	Cut Proposed
Asphalt Surface Prop	Asphalt Surface Prop
Concrete Surface Prop (Paths/Driveways/Slabs)	Concrete Surface Prop (Paths/Driveways/Slabs)
Tree To Be Removed	Tree To Be Removed
Tree To Be Retained with Tree Protection Zone (TPZ)	Tree To Be Retained with Tree Protection Zone (TPZ)

PRELIMINARY

AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers					1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
				MELWAY REF.	356-C-1		ASPIRE ESTATE STAGE 30A EARTHWORKS PLAN					MUNICIPALITY		MELTON		
			SURVEY	BPD		REFERENCE						8226 E/30A				
			DESIGN	J.B												
			DRAWN	I.W												
VER	DATE		REMARKS	CHECKED	-		SCALE	AS SHOWN	DATUM	AHD	DATE	MAR 2022		SHEET	14 OF 14	P3

