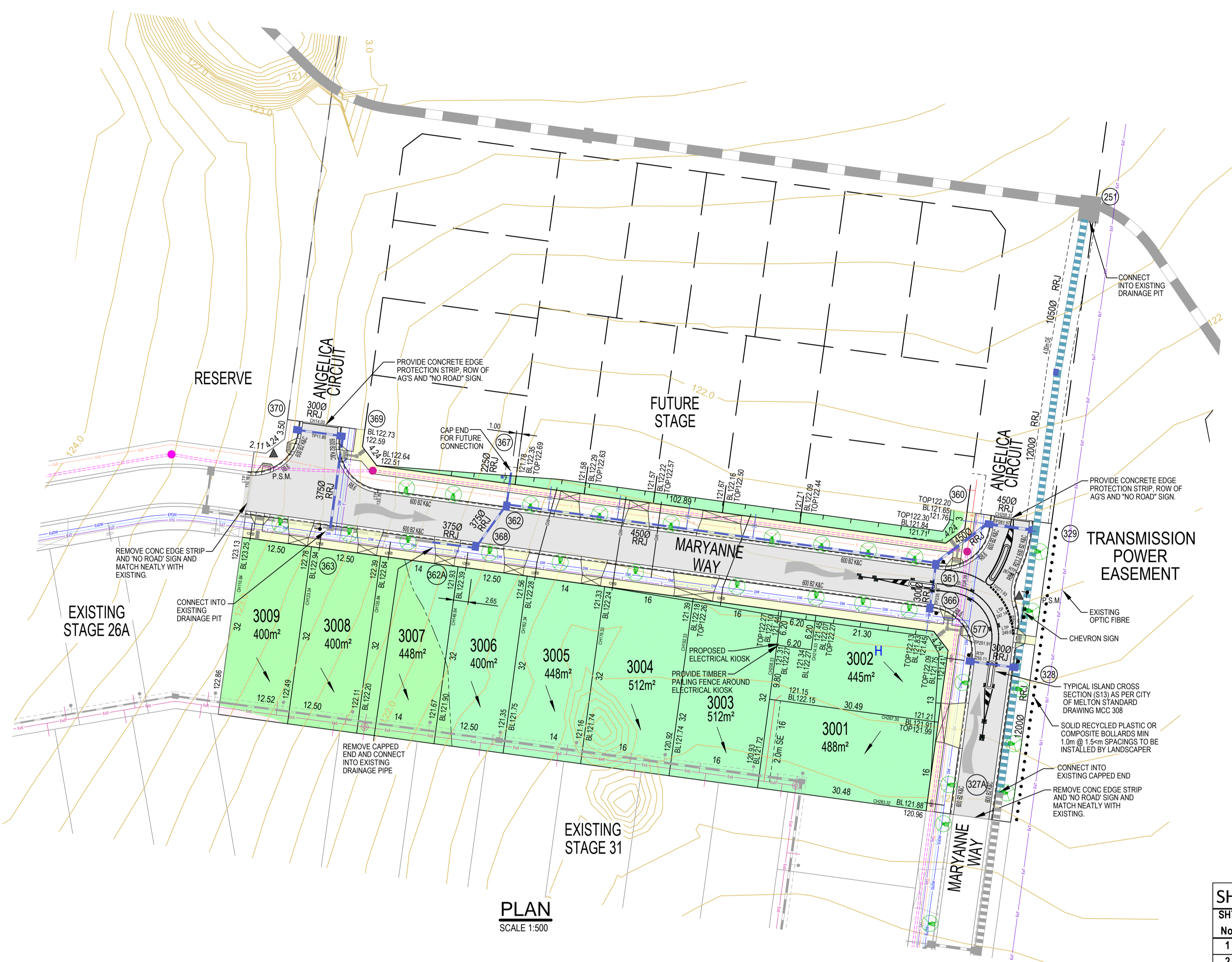


**SITE LOCALITY PLAN**  
NOT TO SCALE

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



**PLAN**  
SCALE 1:500

**NOTE:**  
KERB CUTOUT FOR PASSIVE IRRIGATION. REFER TO DETAIL ON SHEET 12. FINAL STREET PIT LOCATION TO BE COORDINATED WITH LANDSCAPE DRAWINGS.

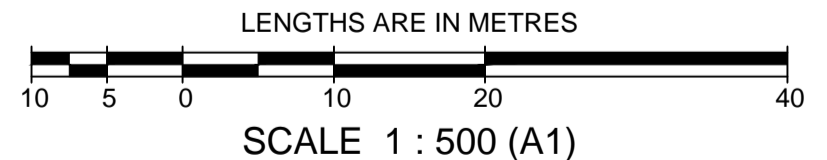
PRELIMINARY LEVELS TO BE ADJUSTED DURING THE DETAILED DESIGN PHASE ONCE MW DRAINAGE SCHEME AND OVERLAND FLOWS HAVE BEEN APPROVED.

**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.

SHEET INDEX		
SHT No.	VER	Description
1	P3	LAYOUT PLAN SHEET
2	P3	TYPICAL CROSS SECTIONS
3	P3	ROAD PAVEMENT DETAILS & NOTES
4	P3	TRANSFORMER SITE DETAILS
5	P3	INTERSECTION DETAIL PLAN
6	P3	LONGITUDINAL & CROSS SECTIONS ANGELICA CIRCUIT
7	P3	LONGITUDINAL & CROSS SECTIONS MARYANNE WAY SHEET 1 OF 2
8	P3	LONGITUDINAL & CROSS SECTIONS MARYANNE WAY SHEET 2 OF 2
9	P3	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
10	P3	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 & DRAINAGE STRUCTURE DETAILS
11	P3	SIGNAGE & LINEMARKING PLAN
12	P3	PASSIVE IRRIGATION PLAN
13	P3	MOBILITY PLAN
14	P3	EARTHWORKS PLAN



**SERVICE OFFSETS AND LOCATION TABLE**

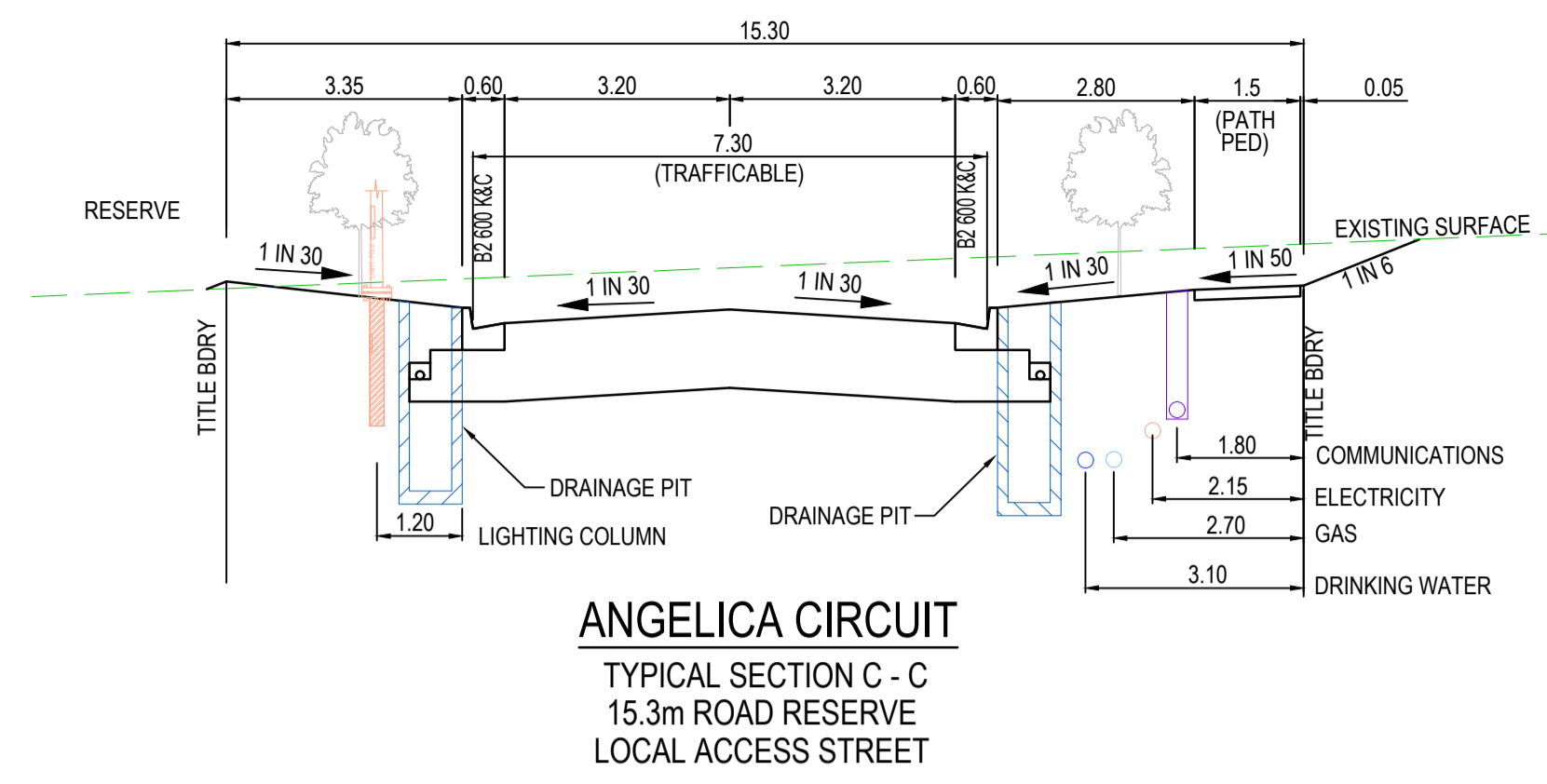
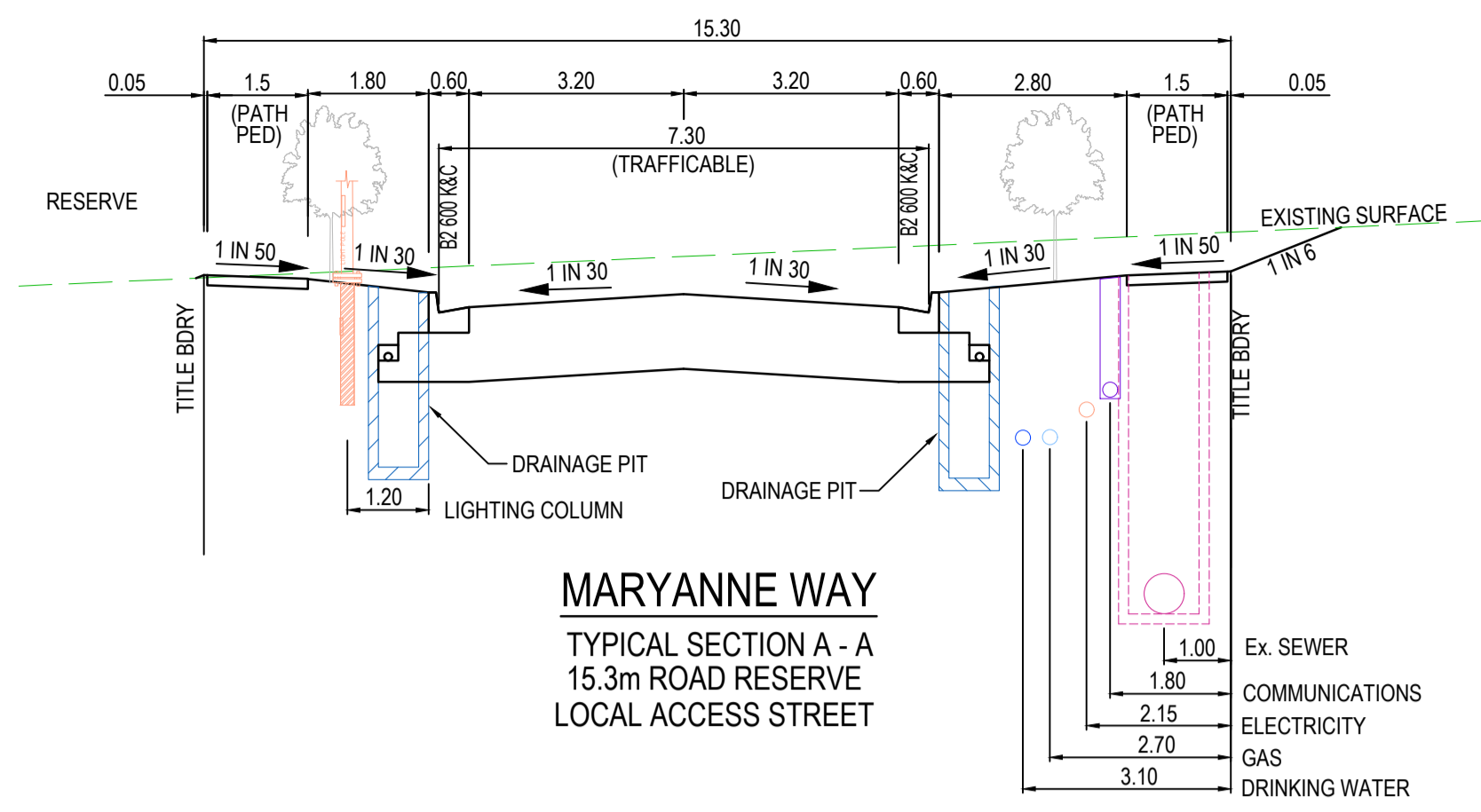
Location	Gas	Water		Telecommunications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
MARYANNE WAY E/W	2.25 S		2.75 S	1.80 S	1.80 S	2.50 N	1.00 BOK	4.20 N 4.20 S	16.00	G&W, FTH&E	ACCESS PLACE
MARYANNE WAY N/S	2.70 W		3.10 W	1.80 W	1.80 W	2.15 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

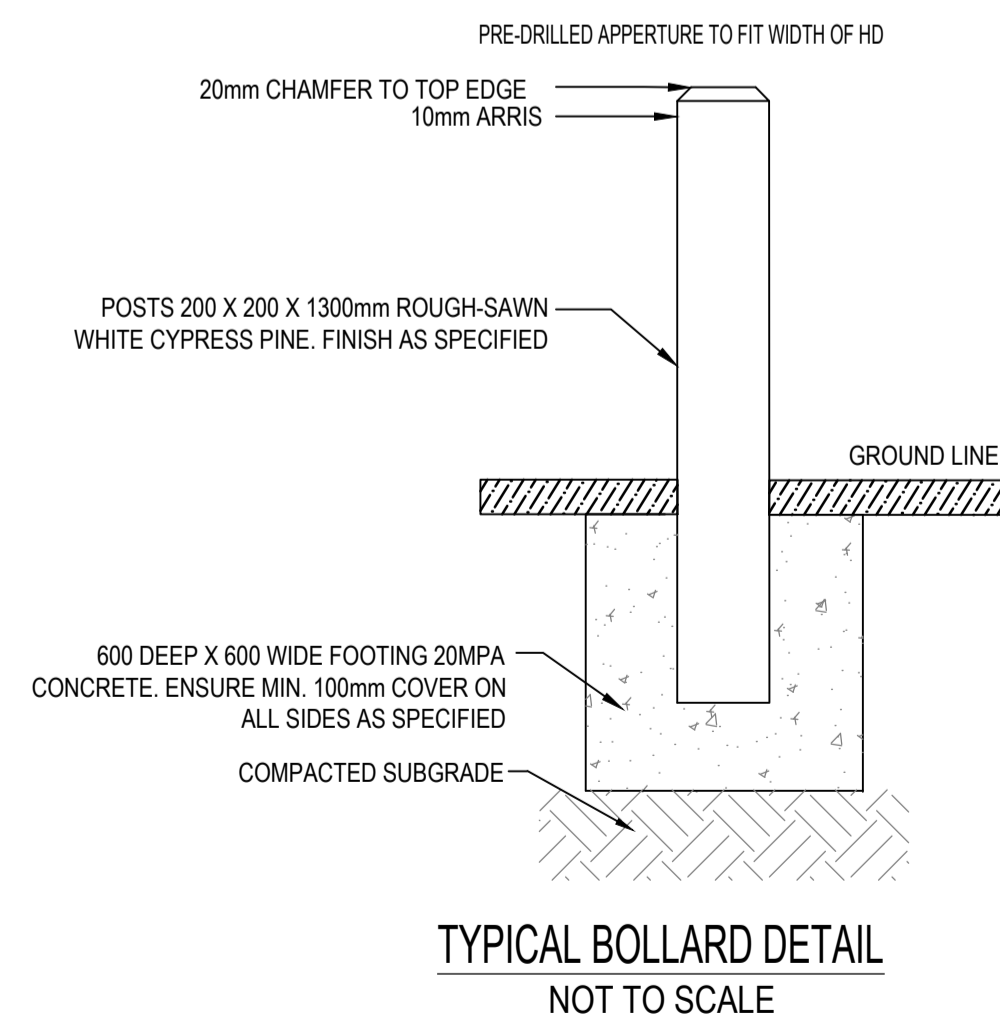
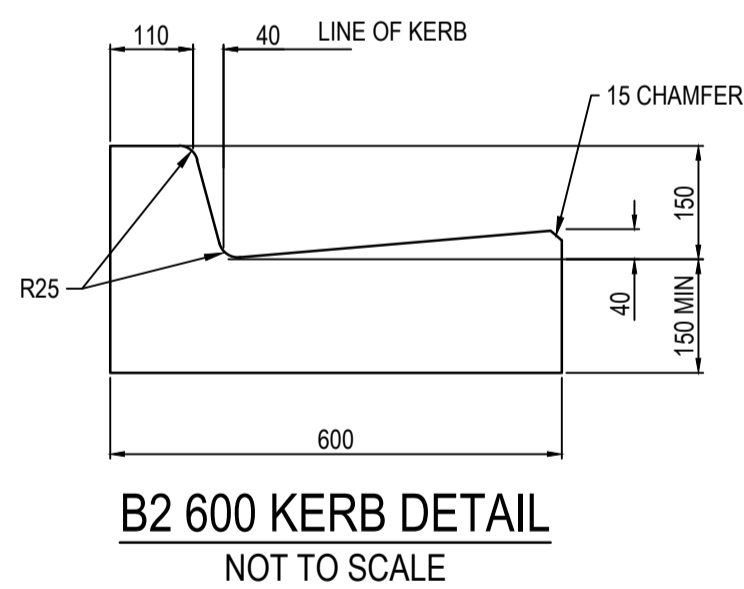
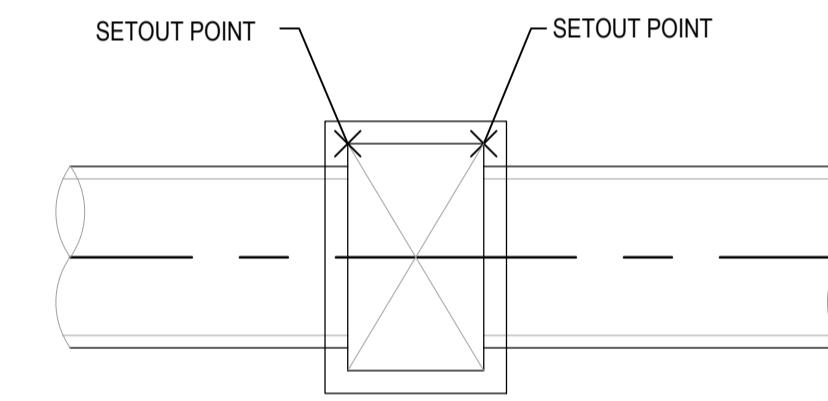
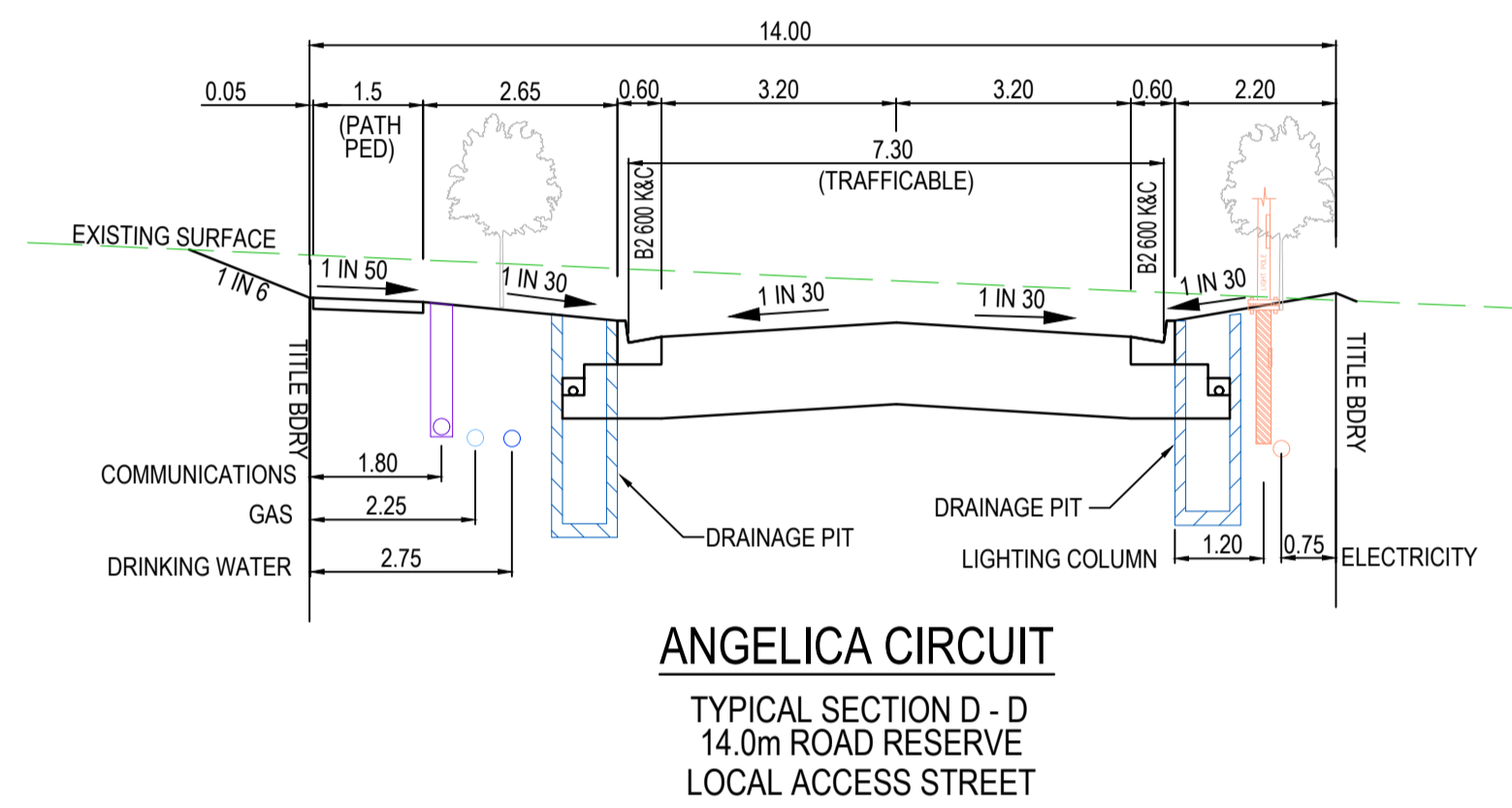
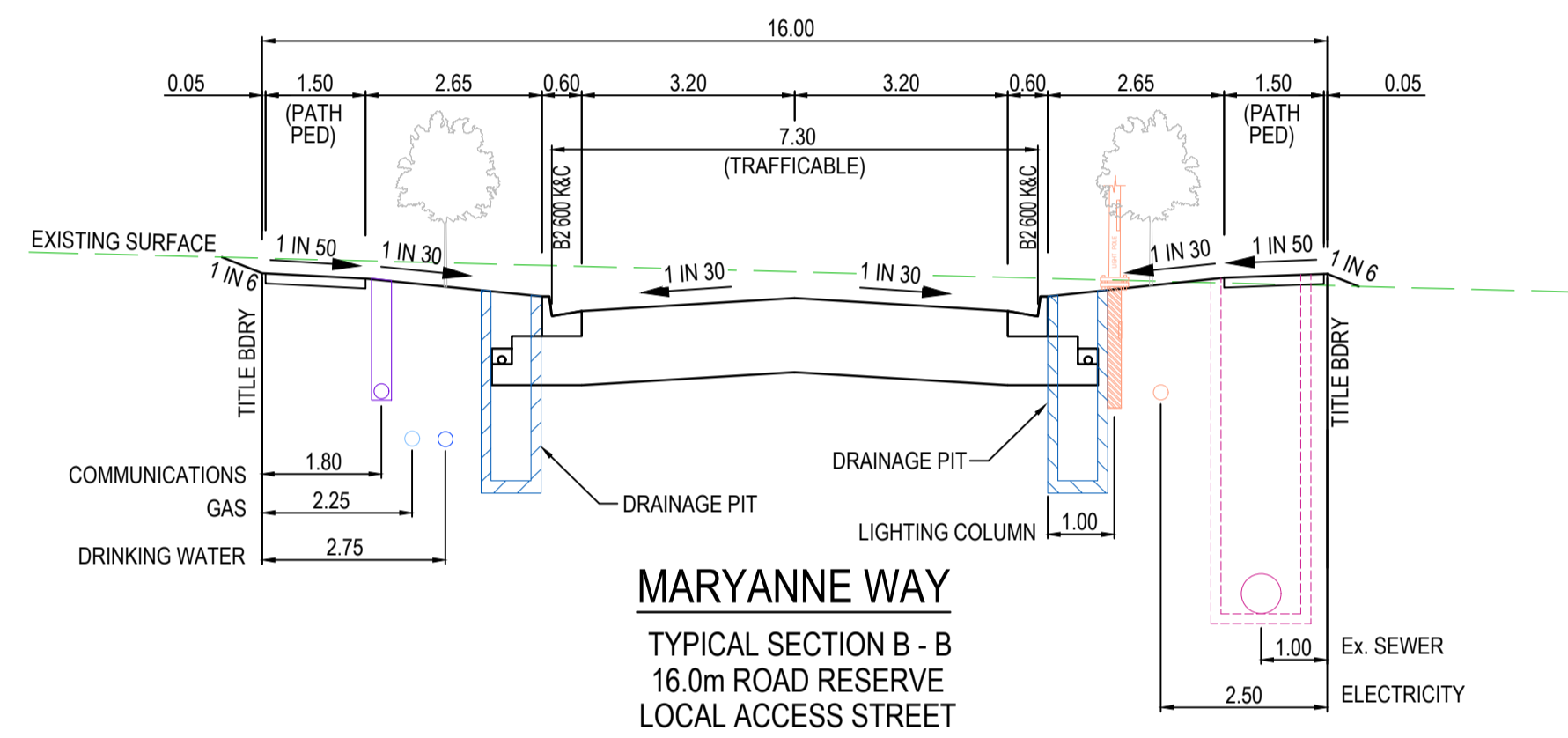
**SYMBOL LEGEND**

Prop Stage	Ex/Natural/FS Level	+28.57	+1028.57
Main Drains	FS @ Building Line	+BL28.57	+1028.57
Sewer < 3000	Top/Toe of Batter	+TOP28.57	+1028.57
Sewer ≥ 3000	Top Ret. Wall Level	+TW28.57	+1028.57
Water (DW)	100yr Flood Level	+FL28.57	
Water (NDW)	Fill Proposed (<0.3m/≥0.3m)		
House Drain	Cut Proposed		
Property Inlet	Asphalt Surface Prop		
Street Sign	Concrete Surface Prop (Paths/Driveways/Slabs)		
PSM	Tree To Be Removed		
Rock Ret Wall	Tree To Be Retained with Tree Protection Zone (TPZ)		
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			

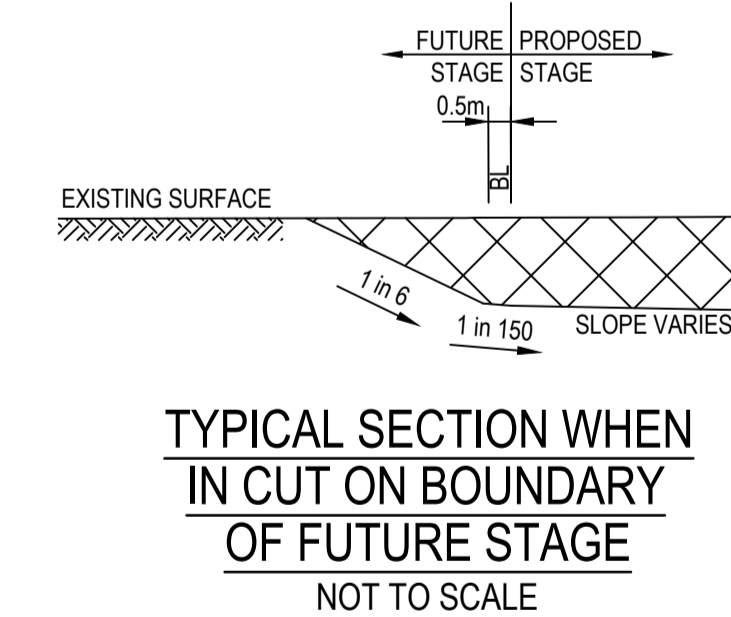
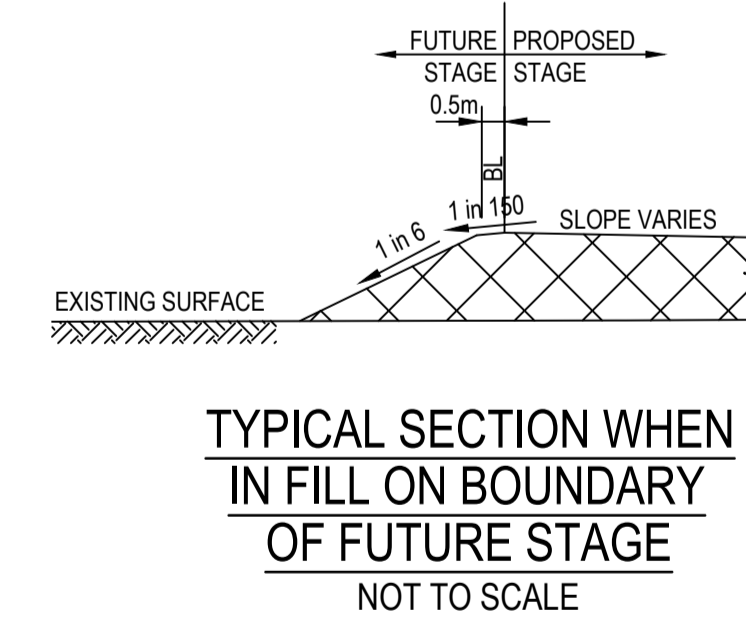
AMENDMENTS		 land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
MELWAY REF.	356-C-1	<b>ASPIRE ESTATE STAGE 30A LAYOUT PLAN</b>		MUNICIPALITY <b>MELTON</b>				
SURVEY	BPD			REFERENCE 8226 E/30A				
DESIGN	J.B							
DRAWN	I.W	CHECKED	-	SCALE AS SHOWN	DATUM AHD	DATE MAR 2022	SHEET 01 OF 14	P3



REFER SHEET 03 FOR  
PAVEMENT PROFILES



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



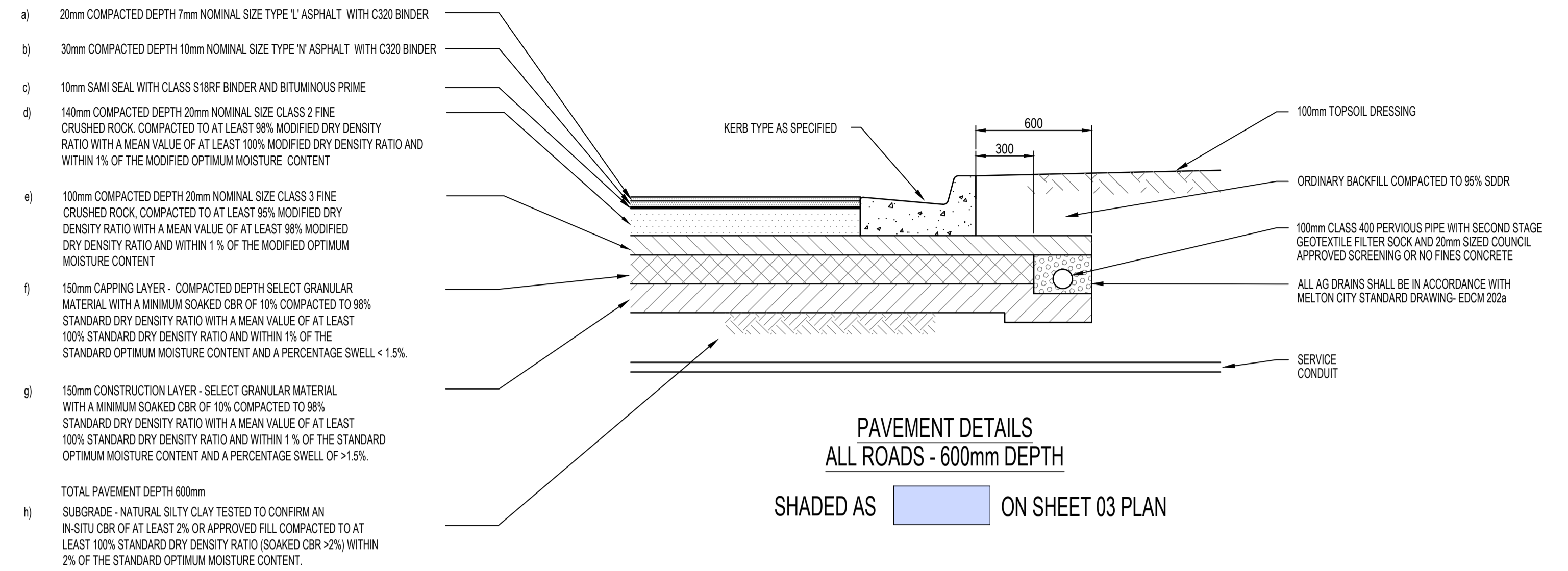
AMENDMENTS			 land surveyors      civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
					MELWAY REF. 356-C-1 SURVEY BPD DESIGN J.B DRAWN I.W	MUNICIPALITY MELTON REFERENCE 8226 E/30A
					<b>ASPIRE ESTATE STAGE 30A TYPICAL CROSS SECTIONS</b>	DATE MAR 2022
					CHECKED - SCALE AS SHOWN DATUM AHD	SHEET 02 OF 14 P3

## GENERAL NOTES

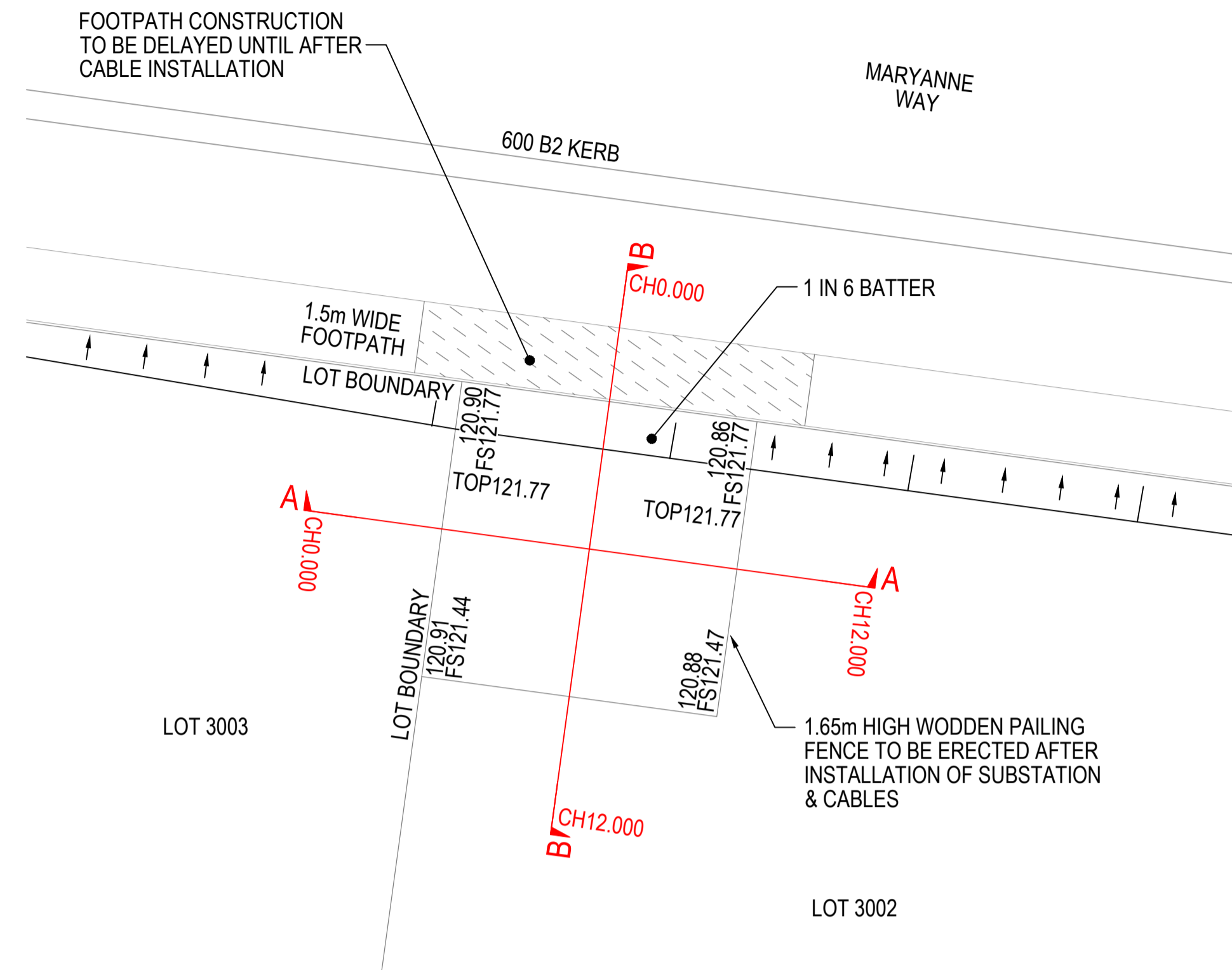
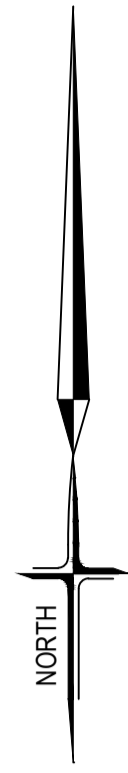
- CONSTRUCTION PLANS MUST BE ACCOMPANIED BY THE APPROVED SPECIFICATION. NO WORK IS TO COMMENCE WITHOUT EVIDENCE OF POSSESSION OF EACH.
- ALL WORKS TO BE CARRIED OUT TO STANDARD DRAWINGS AND SPECIFICATION AS APPROVED BY CITY OF MELTON AND TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER. IN CASE OF A DISPUTE THE SPECIFICATION MUST TAKE PRECEDENCE.
- FOR SPECIFICATION REFER SPECIFICATION STAGE 1. TAYLORS HILL ESTATE (INCORPORATING UPDATED SECTION 1A)
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- 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.
- 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.
- 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.
- 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.
- ALL 150mm TO 750mm DIA. TO BE R.C.(R.R.) AND 925mm DIA. AND GREATER TO BE R.C.(I.U.). PIPES LAYED ON A CURVE TO BE R.R. ALL CONCRETE PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED.
- WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UP TO 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.
- 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.)
- 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 LOGGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- BATTERS SHALL BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS OTHERWISE SHOWN.
- ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE.
- LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER, ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE.
- ALL RESERVE AREAS ARE TO BE SMOOTHED, GRADED, TOPSOILED WHERE REQUIRED WITH A 100mm COMPACTED LAYER OF TOPSOIL AND SEEDING 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.
- 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.
- 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.
- 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.
- NATURESTRIP AND AREAS OF CUT ARE TO BE TOPSOILED AND GRASSED TO THE SATISFACTION OF THE ENGINEER. MINIMUM DEPTH TO BE 100mm.
- 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.
- 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.
- 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.
- WATER AND GAS CONDUITS TO BE CONSTRUCTED ACROSS NATURE STRIPS AFTER ELECTRICAL CABLE WORK IS COMPLETED.
- 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.
- VEHICLE CROSSINGS TO BE OFFSET 0.75m FROM SIDE BOUNDARIES 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.
- 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.
- PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER TO COUNCIL STD DWG MCC403.
- STREET SIGNS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARDS.
- 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.
- 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
- ALL ROADS TO BE CONSTRUCTED WITH B2 KERB & CHANNEL UNLESS OTHERWISE SHOWN. REFER VPA STD DWG EDCM301.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A ROAD OPENING PERMIT FOR WORKS IN PREVIOUSLY CONSTRUCTED ROADWAYS.
- 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.
- 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.
- 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%
- 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.
- CONCRETE TO HAVE A 28 DAY STRENGTH OF 25 Mpa.
- ALL SPLAYS ARE 3.00m X 3.00m UNLESS OTHERWISE SHOWN.
- ALL LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (A.H.D.)
- 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.
- 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.
- 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.
- 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.
- 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

- 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.
- PIT BASE TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROP ACROSS PIT IS LESS THAN 50mm.
- 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				<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
	MELWAY REF.	356-C-1	<b>ASPIRE ESTATE STAGE 30A</b> PAVEMENT COMPOSITION & GENERAL NOTES		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 03 OF 14 P3	



PLAN  
SCALE - 1 in 100

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

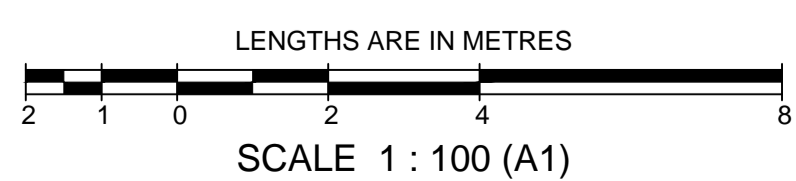
DATUM RL117	BDY		BDY	
DESIGN CENTRELINE	121.954	122.194	122.247	122.165
EXISTING SURFACE	121.969	121.374	121.391	121.397
CHAINAGE	0.000	2.262	9.632	12.000

ALIGNMENT A - A

DATUM RL117	BDY		BDY	
DESIGN CENTRELINE	121.982	122.090	122.270	122.113
EXISTING SURFACE	121.502	121.475	121.306	121.275
CHAINAGE	0.000	0.000	0.000	12.000

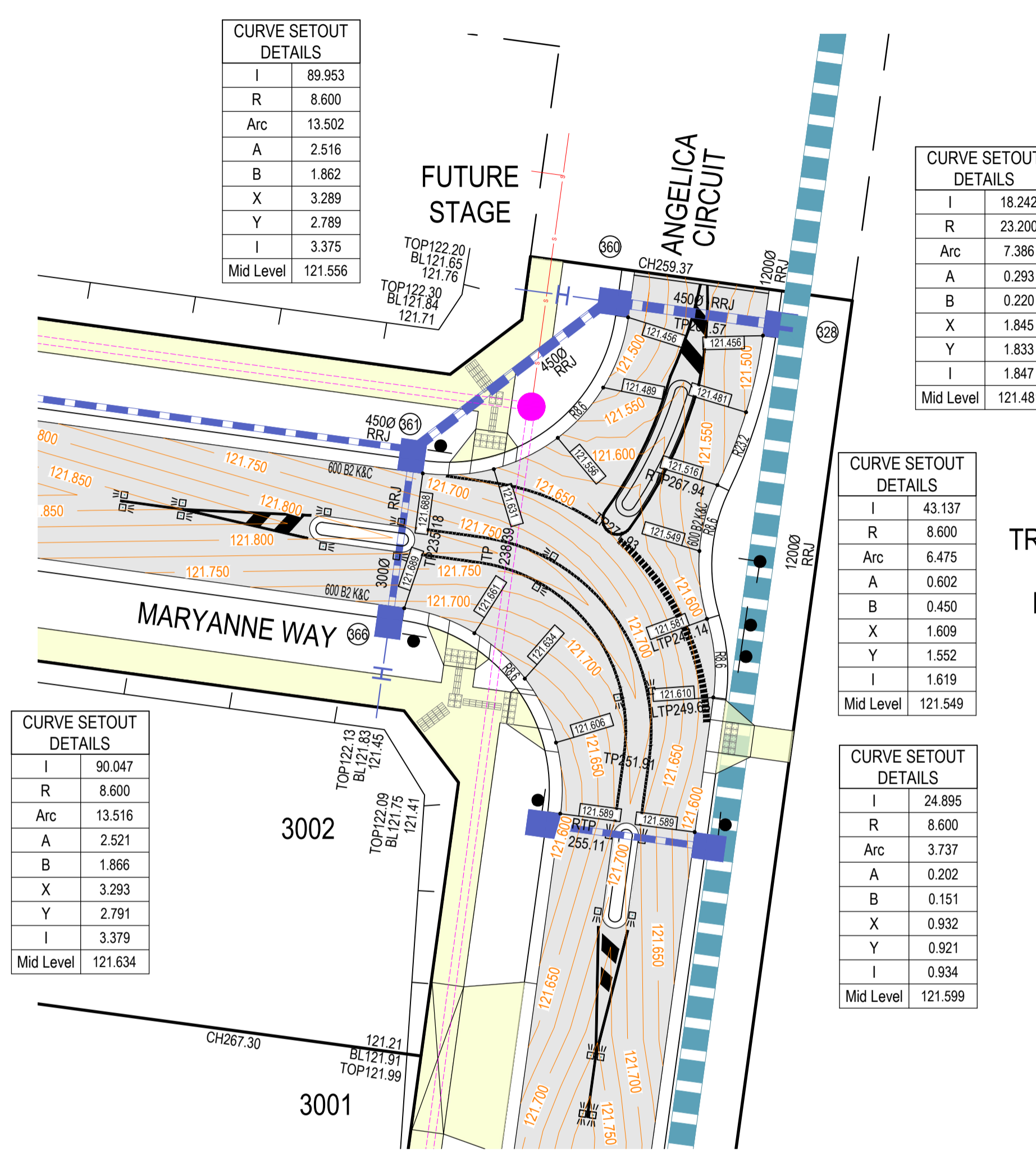
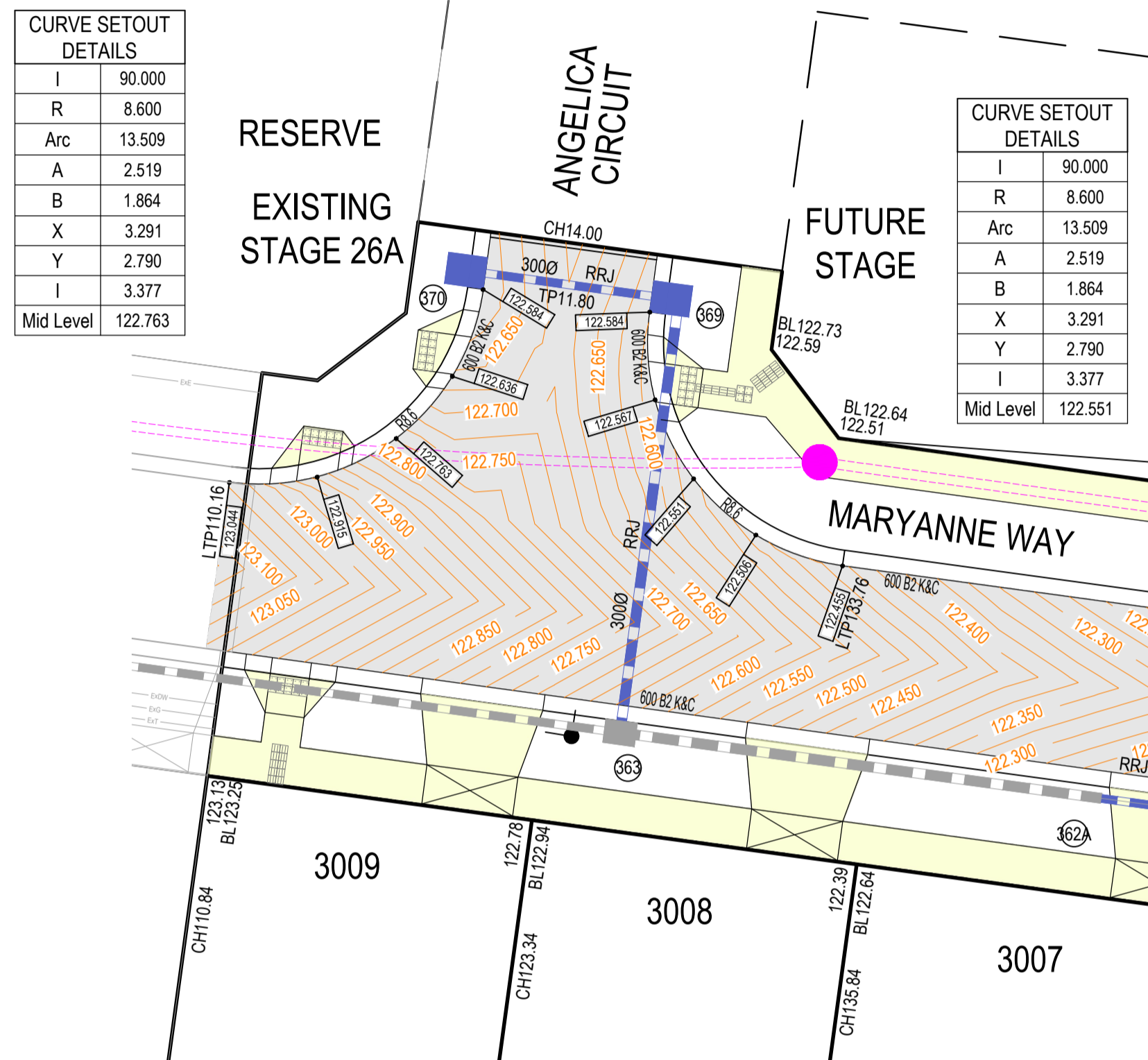
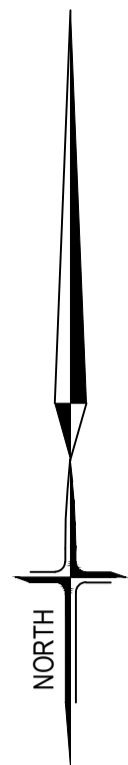
ALIGNMENT B - B

**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.



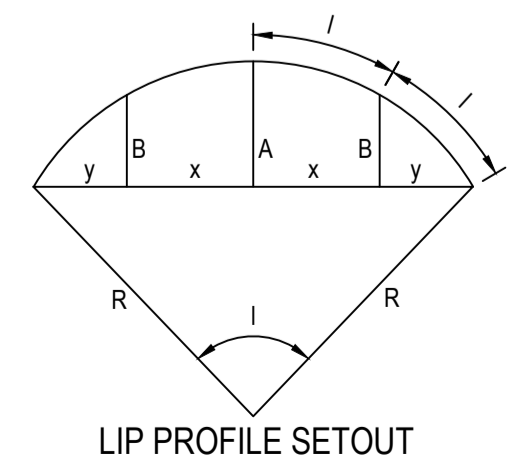
**PRELIMINARY**

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

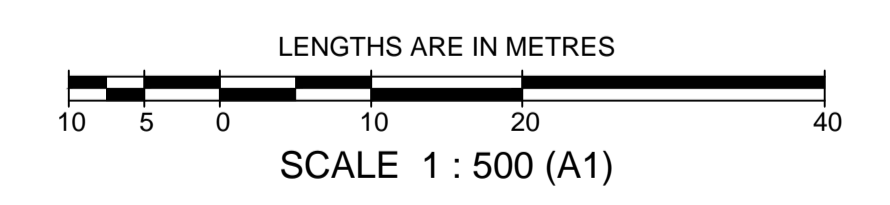



  
**MELTON**  
 APPROVED  
 DETAILED ENGINEERING PLANS  
 Nihal Jayasekara  
 ENGINEERING SERVICES  
 Date: 26/07/2022

- NOTES**
- ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.
  - INDICATES UNIDIRECTIONAL & BIDIRECTIONAL RRPMS PLACED AT 6.00m CTS
  - HAZARD / DIRECTIONAL TGS'S SHOWN THUS AND FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGS'S SHALL CONFORM TO AS1428.4
  - PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THUS: SURFACE TREATMENT MUST COMPLY WITH VICROADS STANDARD SECTION 430.
  - STREET SIGNS TO HAVE MINIMUM 2 WEDGES IN THE SLEEVES
  - SWLM - INDICATES SOLID WHITE "LONGLIFE" LINE MARKING  
BWLM - INDICATES BROKEN WHITE "LONGLIFE" LINE MARKING
  - RETURN & ELBOW LIP OF KERB CHAINAGES PREFIXED WITH AN "L" (eg LTP35.83)



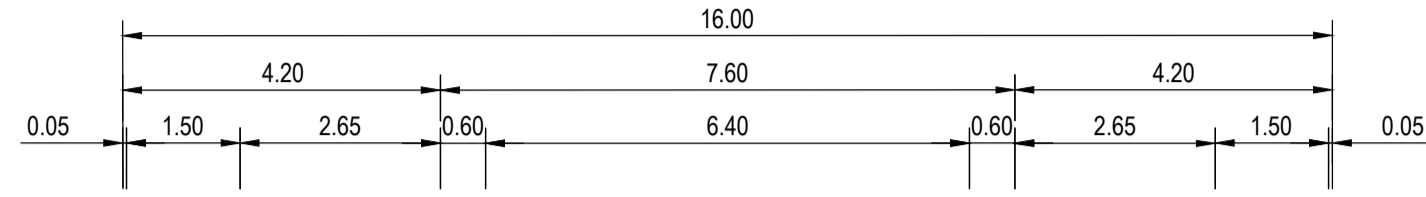
SYMBOL LEGEND	
Drains	Prop
Main Drains	Prev Stage
Sewer < 300Ø	
Sewer ≥ 300Ø	
Water (DW)	
Water (NDW)	
House Drain	
Property Inlet	
Street Sign	
PSM	
Rock Ret Wall	
Sleeper Ret Wall	
Conduits 50mm	
Conduits 100mm	
Street Tree without/with Passive Irrigation (Refer Detail)	
Ex Drains	
Ex Water DW/NDW	
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)	



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

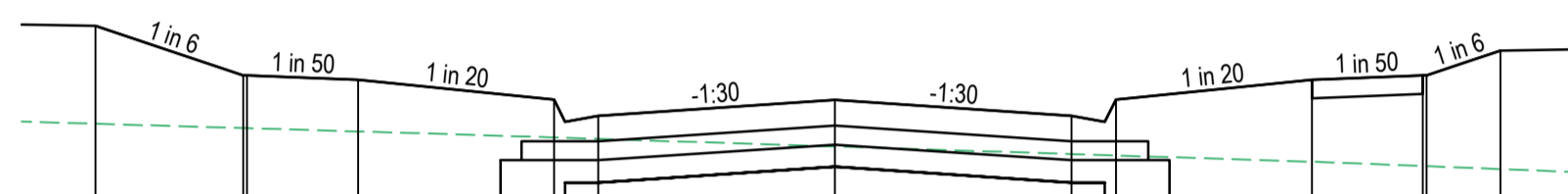






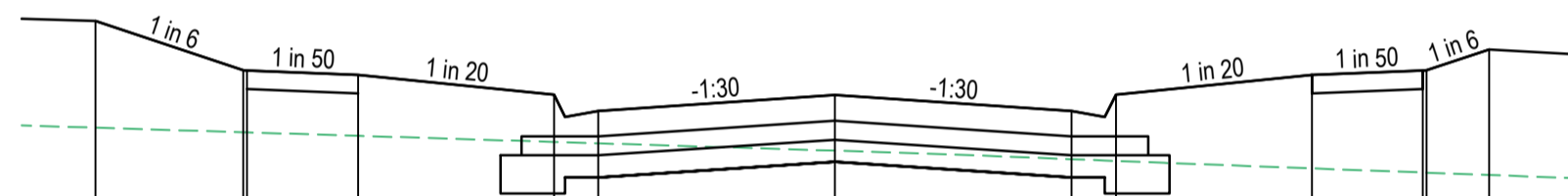
RL121.0	
DESIGN RL'S	-10.00 121.74 122.26
EXIST RL'S	8.00 121.70 121.96 7.95 121.70 121.96 -6.45 121.68 121.93 -3.80 121.64 121.90 -3.20 121.63 121.69 0.00 121.58 121.60 3.20 121.53 121.69 3.80 121.52 121.60 6.45 121.48 121.93 7.95 121.46 121.96 8.00 121.46 121.96 10.00 121.42 122.12
OFFSETS	

TP CH 235.182



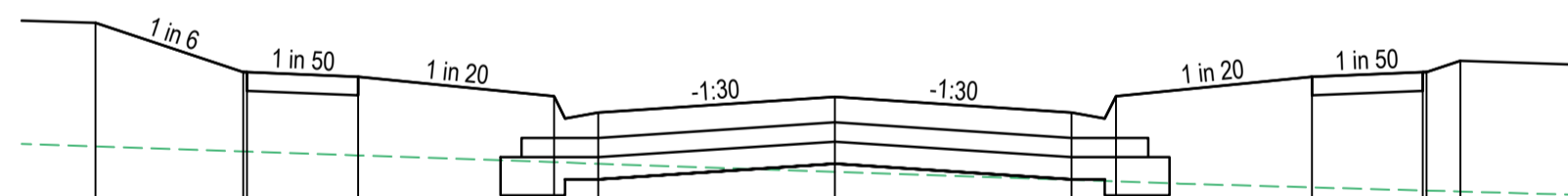
RL121.0	
DESIGN RL'S	-10.00 121.74 122.40
EXIST RL'S	8.00 121.71 122.07 7.95 121.71 122.06 -6.45 121.69 122.03 -3.80 121.65 121.90 -3.20 121.64 121.79 0.00 121.59 121.90 3.20 121.53 121.79 3.80 121.52 121.90 6.45 121.48 122.03 7.95 121.45 122.06 8.00 121.45 122.07 9.00 121.43 122.23 10.00 121.41 122.24
OFFSETS	

CH 214.532



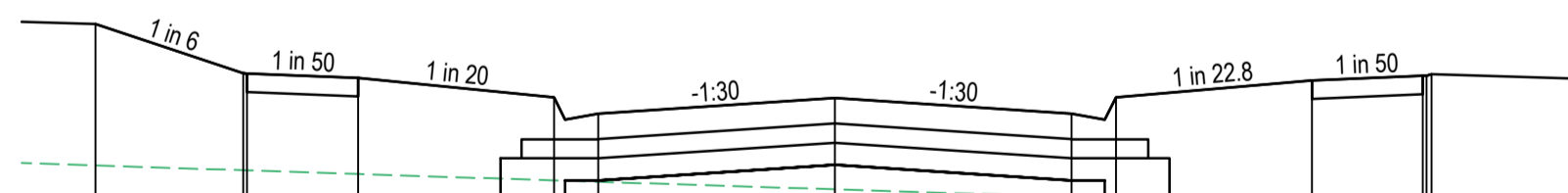
RL121.0	
DESIGN RL'S	-10.00 121.73 122.45
EXIST RL'S	8.00 121.70 122.12 7.95 121.70 122.12 -6.45 121.68 122.09 -3.80 121.64 121.96 -3.20 121.63 121.85 0.00 121.58 121.95 3.20 121.52 121.85 3.80 121.51 121.96 6.45 121.46 122.09 7.95 121.43 122.12 8.00 121.43 122.12 8.85 121.41 122.26 10.00 121.45 122.28
OFFSETS	

CH 203.462



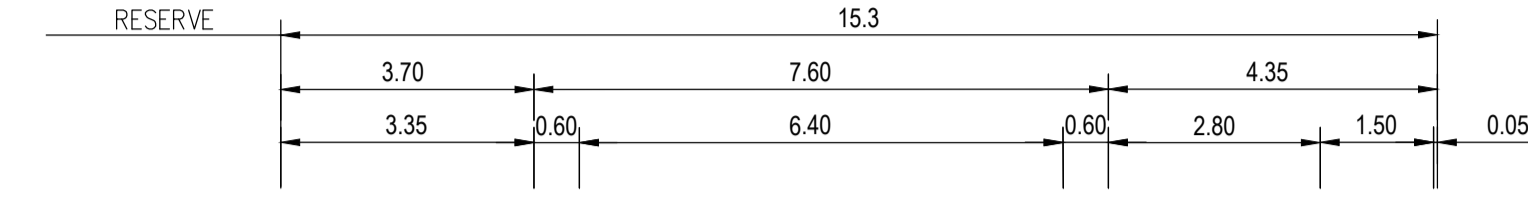
RL121.0	
DESIGN RL'S	-10.00 121.68 122.52
EXIST RL'S	8.00 121.65 122.18 7.95 121.65 122.18 -6.45 121.62 122.15 -3.80 121.58 122.02 -3.20 121.57 121.91 0.00 121.51 122.02 3.20 121.46 121.91 3.80 121.45 122.02 6.45 121.41 122.15 7.95 121.38 122.18 8.00 121.38 122.23 8.48 121.36 122.26 10.00 121.36 122.23
OFFSETS	

CH 190.962



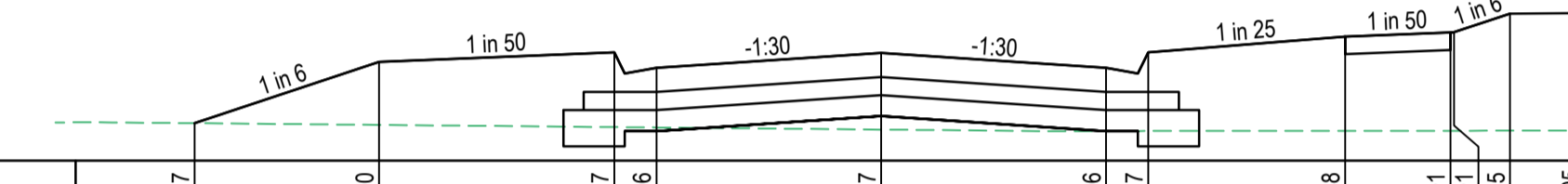
RL121.0	
DESIGN RL'S	-10.00 121.62 122.58
EXIST RL'S	8.00 121.59 122.25 7.95 121.59 122.25 -6.45 121.57 122.22 -3.80 121.52 122.08 -3.20 121.51 121.97 0.00 121.46 122.08 3.20 121.41 121.97 3.80 121.40 122.08 6.45 121.36 122.20 7.95 121.34 122.23 8.00 121.33 122.23 8.07 121.33 122.24 10.00 121.30 122.21
OFFSETS	

CH 178.462



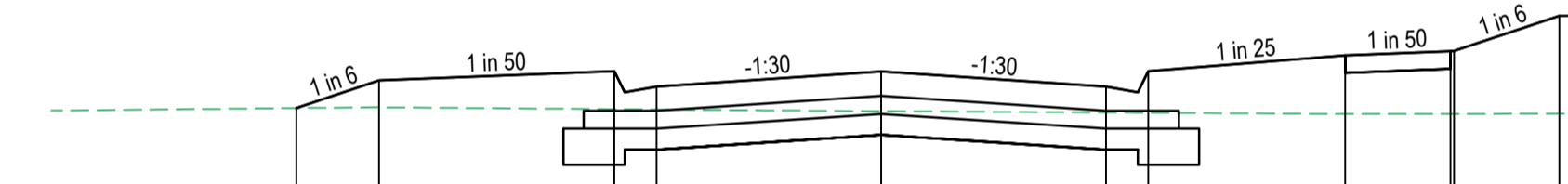
RL120.0	
DESIGN RL'S	-11.18 121.00 121.00
EXIST RL'S	120.97 121.67 120.95 121.74 120.94 121.63 120.94 121.74 120.95 121.63 120.95 121.74 120.96 121.85 120.96 121.88 120.96 121.88 120.96 121.87
OFFSETS	

LIMIT OF WORKS CH 283.323



RL121.0	
DESIGN RL'S	9.77 121.27 121.27
EXIST RL'S	121.26 121.70 121.24 121.77 121.24 121.66 121.22 121.77 121.21 121.66 121.21 121.77 121.21 121.68 121.21 121.91 121.21 121.91 121.21 122.05 121.21 122.05
OFFSETS	

CH 267.302



RL120.0	
DESIGN RL'S	8.33 121.44 121.44
EXIST RL'S	121.44 121.63 121.43 121.70 121.43 121.59 121.41 121.70 121.40 121.59 121.40 121.70 121.39 121.61 121.39 121.84 121.39 121.84 121.40 122.09 121.39 122.09
OFFSETS	

RTP CH 255.105

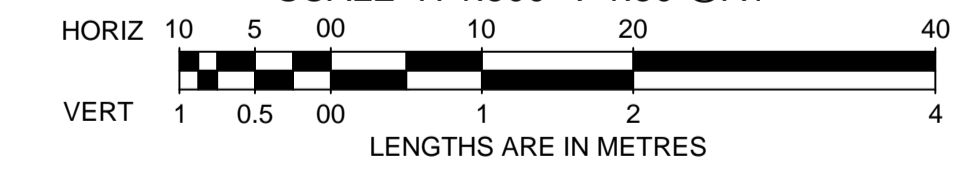


**MARYANNE WAY**

**LONGITUDINAL SECTION**

SCALE HORIZONTAL 1:500  
VERTICAL 1:50

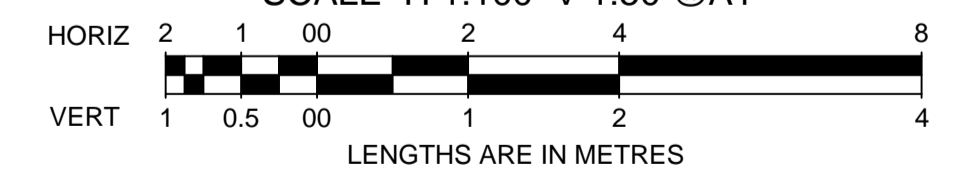
SCALE H 1:500 V 1:50 @A1



**CROSS SECTIONS**

SCALE HORIZONTAL 1:100  
VERTICAL 1:50

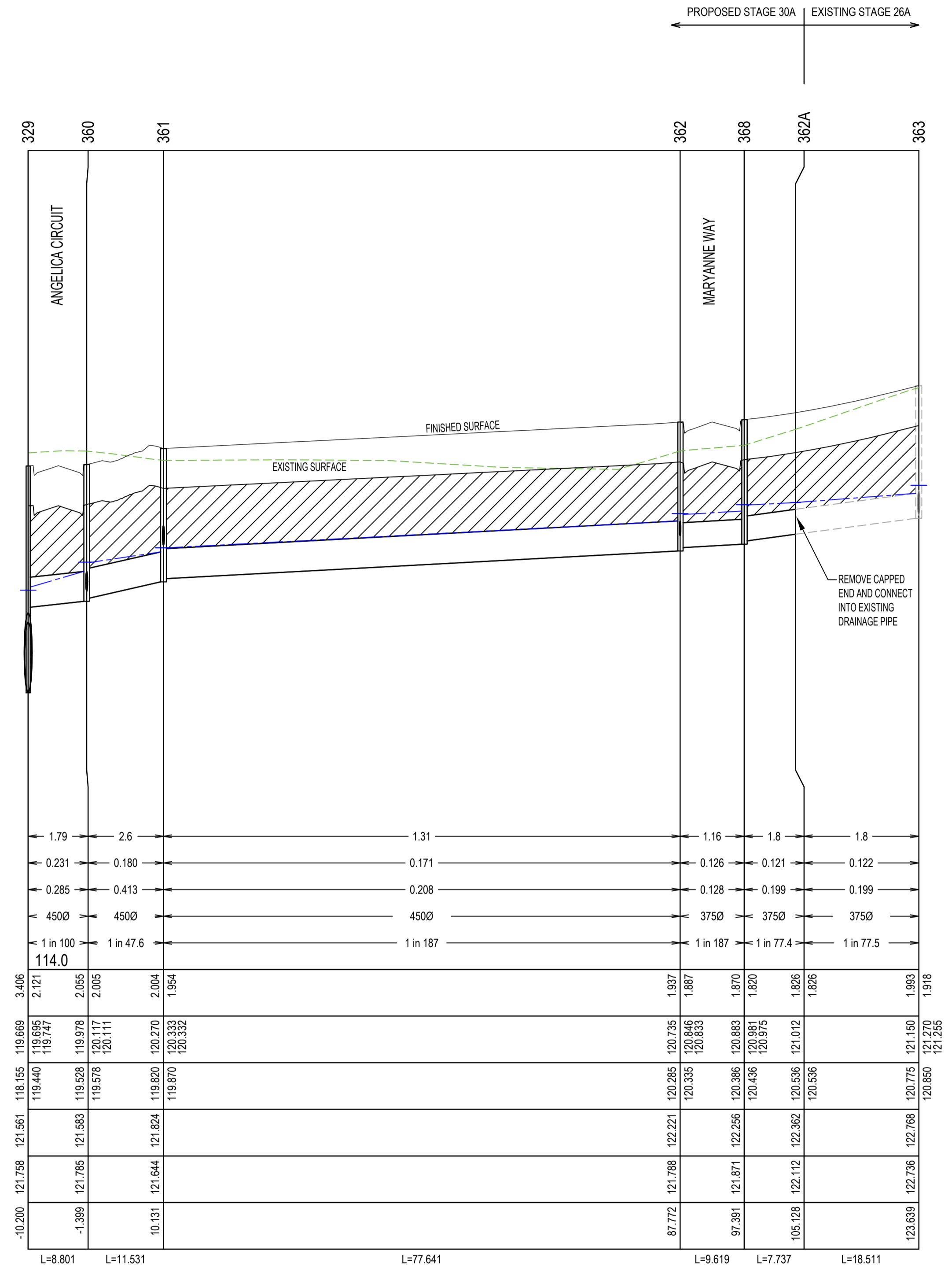
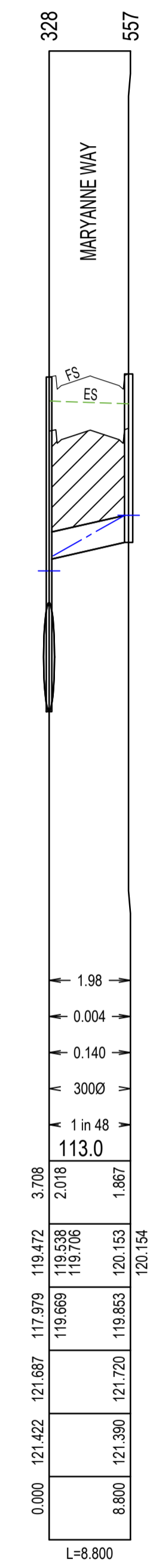
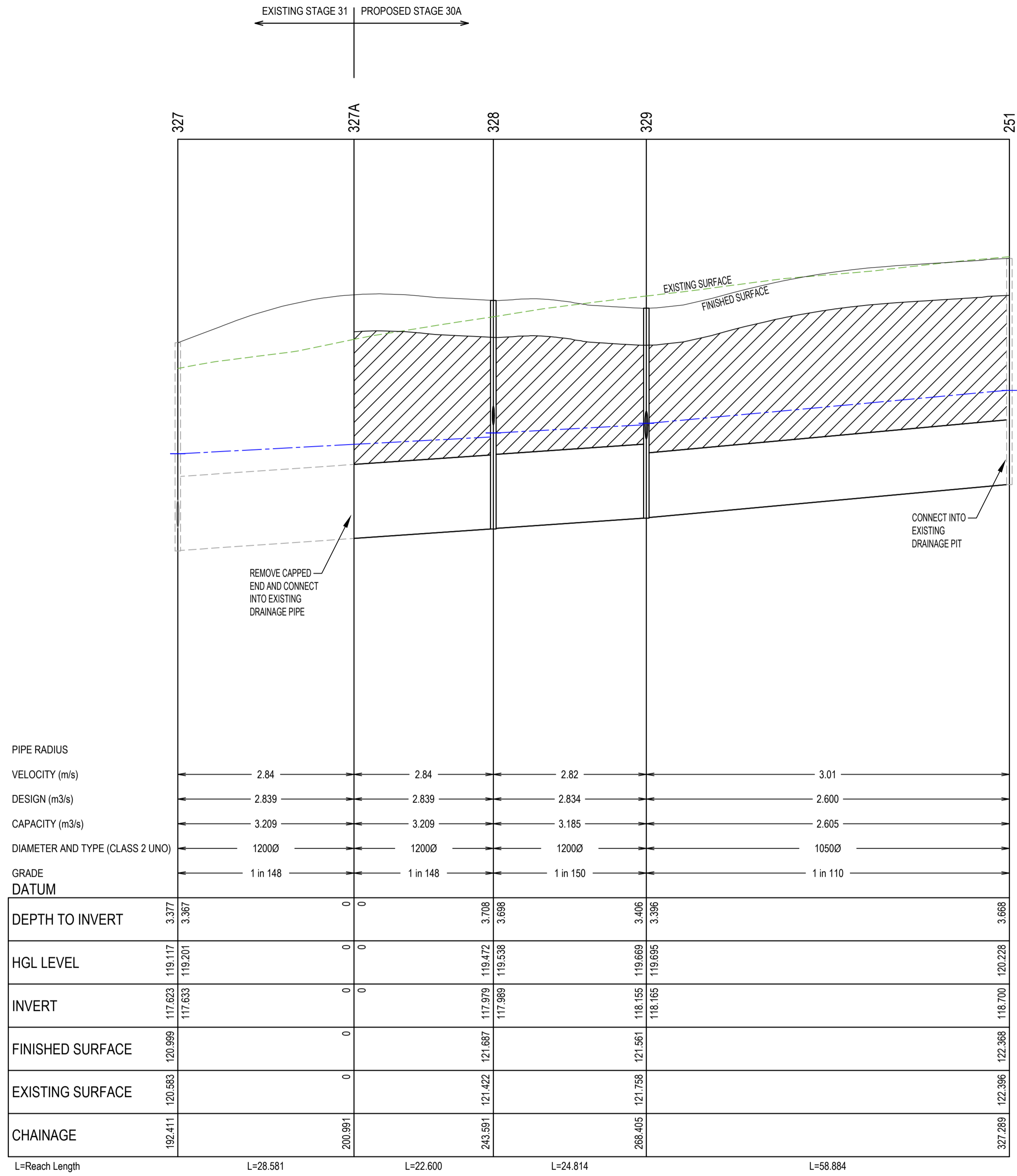
SCALE H 1:100 V 1:50 @A1



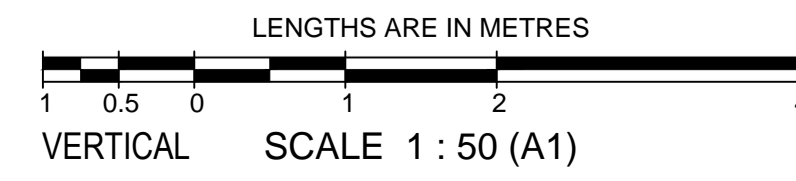
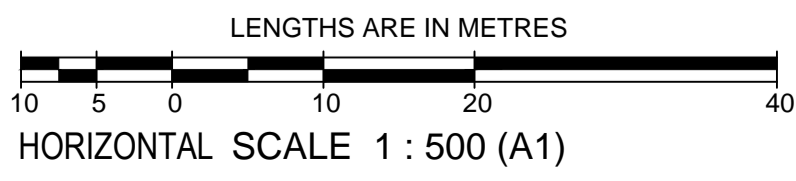
PRELIMINARY

AMENDMENTS			 land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
		MELWAY REF. 354-C-12			<b>ASPIRE ESTATE STAGE 30A</b> <b>MARYANNE WAY SHEET 2 OF 2</b>	MUNICIPALITY MELTON
		SURVEY BPD				REFERENCE 8226 E/30A
		DESIGN J.B				
			DRAWN I.W			
			CHECKED -	SCALE AS SHOWN DATUM AHD DATE MAR 2022 SHEET 08 OF 14 P3		



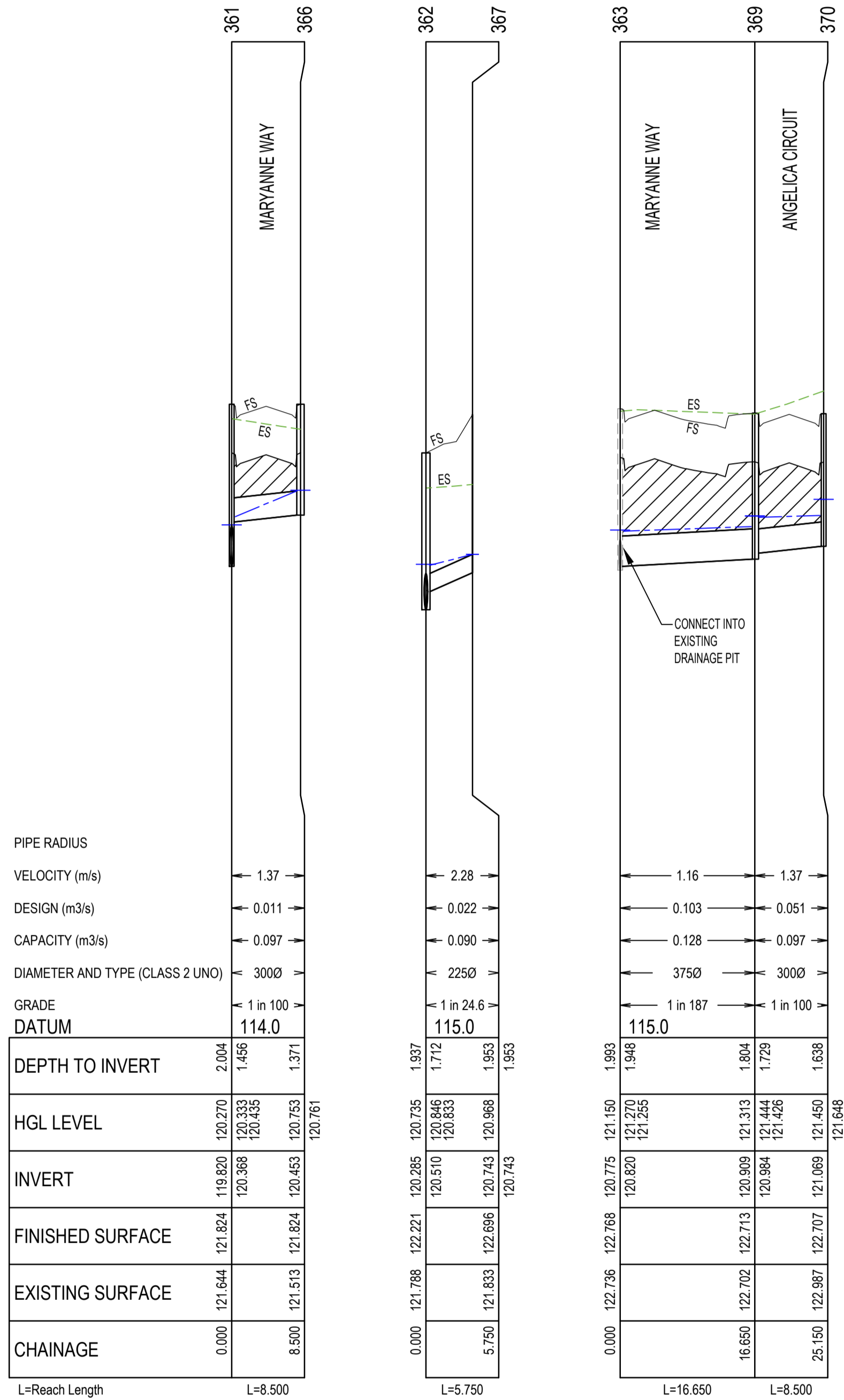


- LEGEND:**
- EXISTING SURFACE PROFILE
  - FINISHED SURFACE PROFILE
  - INDICATES SYR HGL
  - ▨ INDICATES CRUSHED ROCK BACKFILL



**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	
MELWAY REF.	354-C-12	ASPIRE ESTATE STAGE 30A		MUNICIPALITY MELTON	
SURVEY	BPD			REFERENCE 8226 E/30A	
DESIGN	J.B	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1		DATE MAR 2022	
DRAWN	I.W			SHEET 09 OF 14 P3	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD

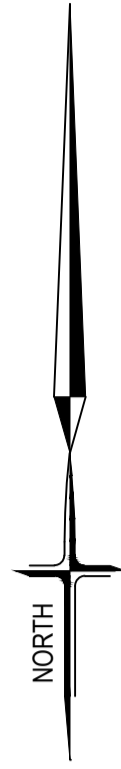


PIT No.	DESCRIPTION	INTERNAL DIMENSIONS		INLET		OUTLET		BRANCH CONNECTION		TOP OF PIT	DEPTH OF PIT	REMARKS
		L	W	DIA	LEVEL	DIA	LEVEL	DIA	LEVEL			
327A	End of Pipe (Existing)					1200	117.86			121.723	3.863	Connect into Existing Drainage Pipe.
328	Channel Grating Pit	1350	900	1200	117.989	1200	117.979	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.

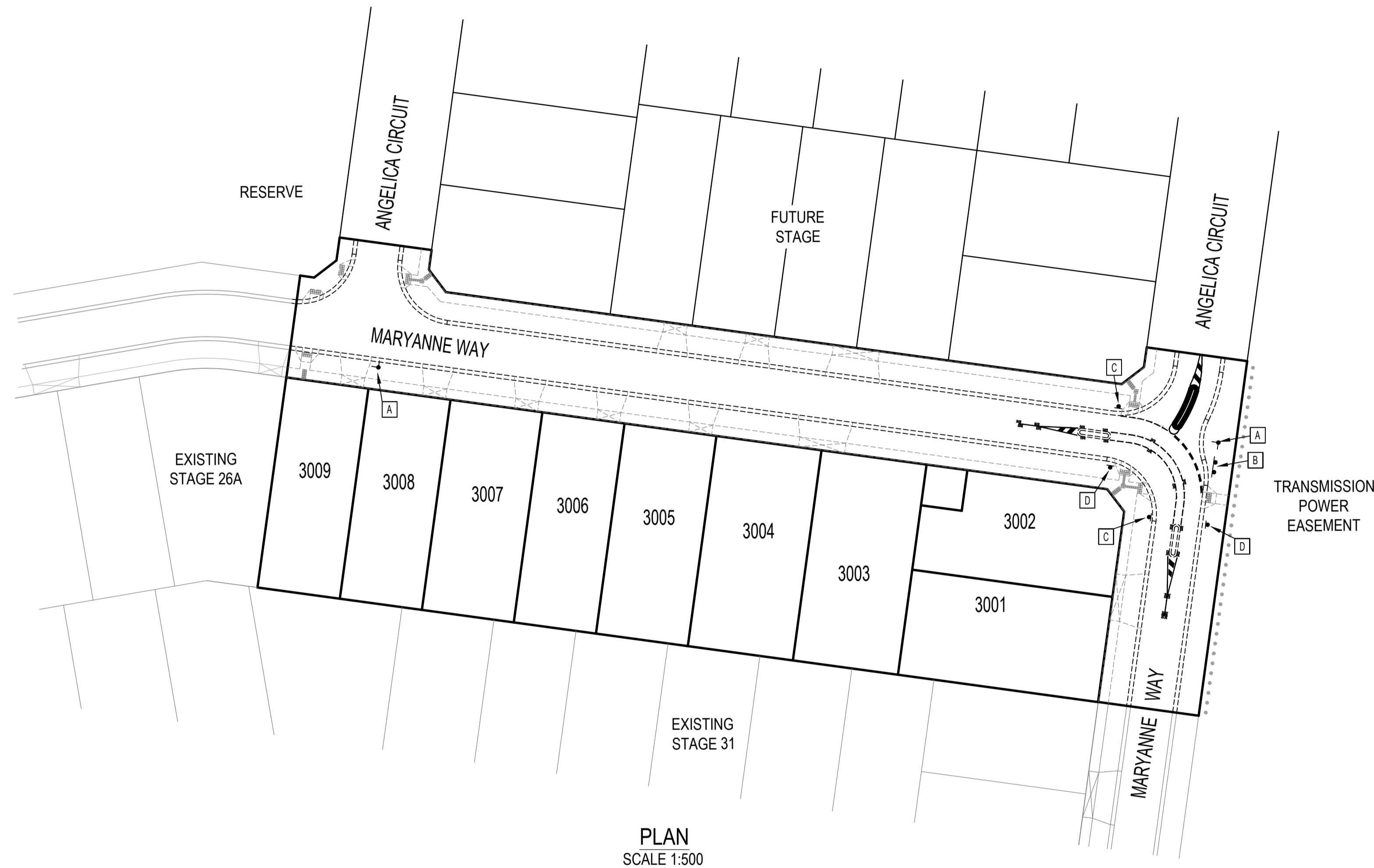


PRELIMINARY

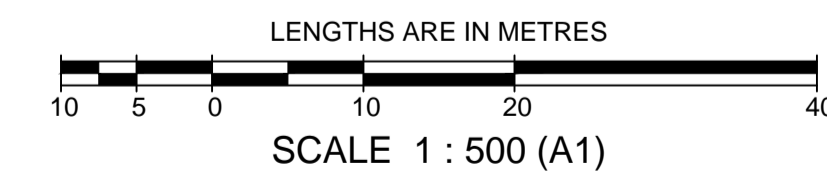
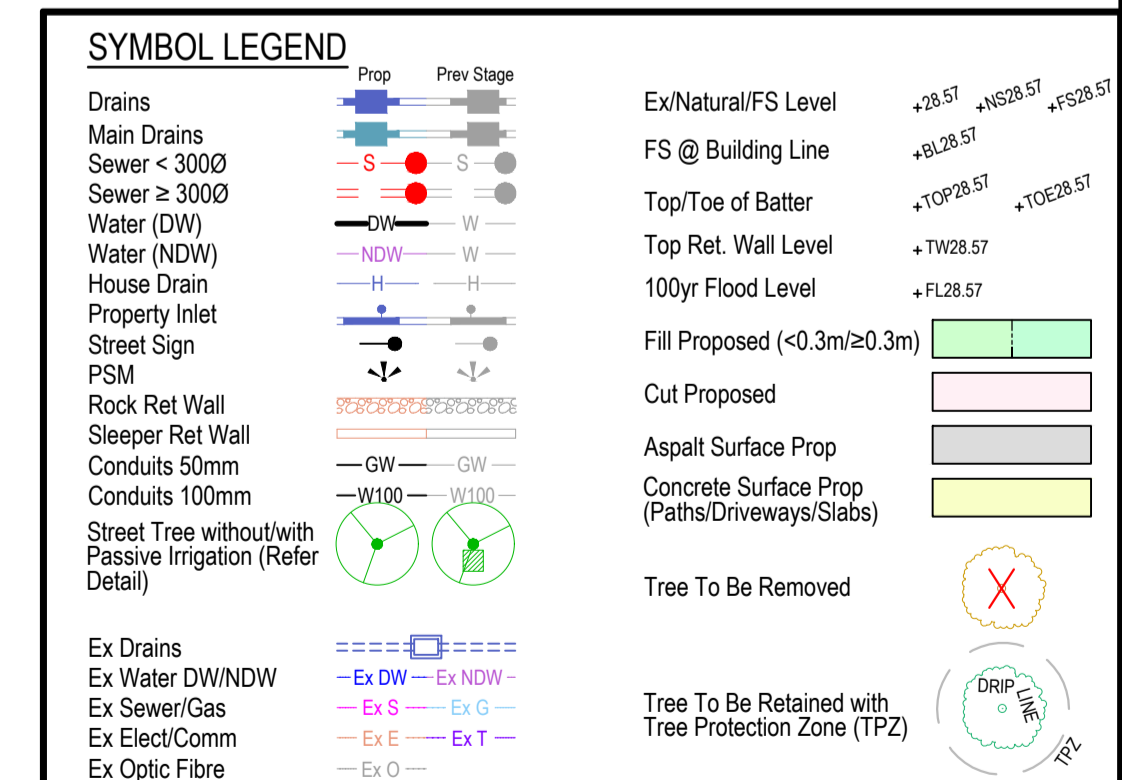
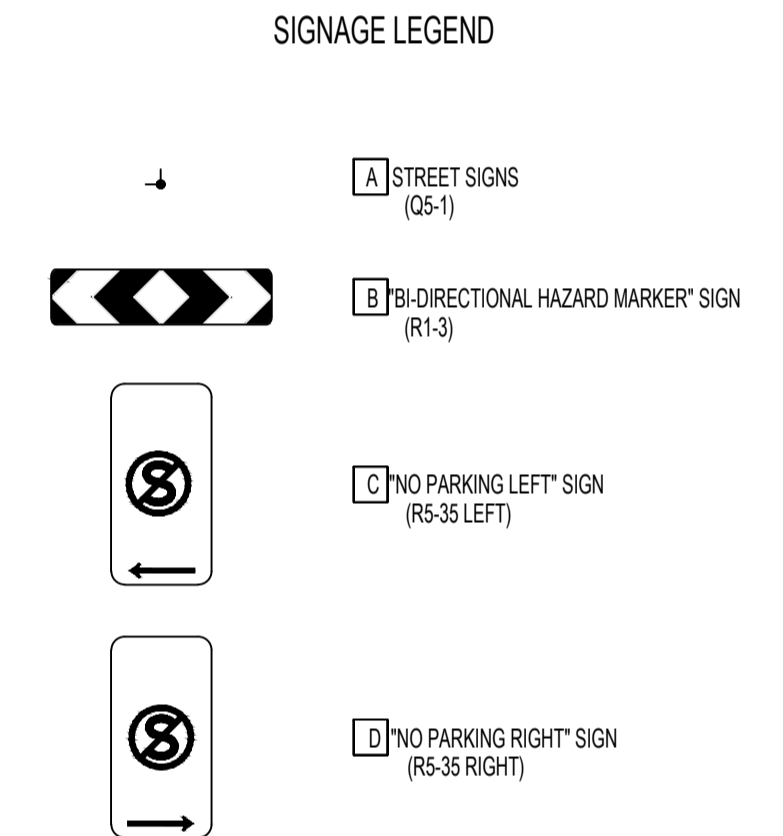
AMENDMENTS				 land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
			MELWAY REF. 354-C-12 SURVEY BPD DESIGN J.B DRAWN I.W	<b>ASPIRE ESTATE STAGE 30A</b> DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 & DRAINAGE STRUCTURE DETAILS	MUNICIPALITY <b>MELTON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




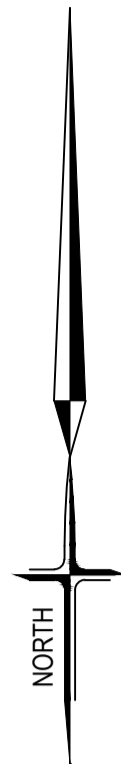
  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
 Nihal Jayasekara  
 ENGINEERING SERVICES  
 Date: 26/07/2022



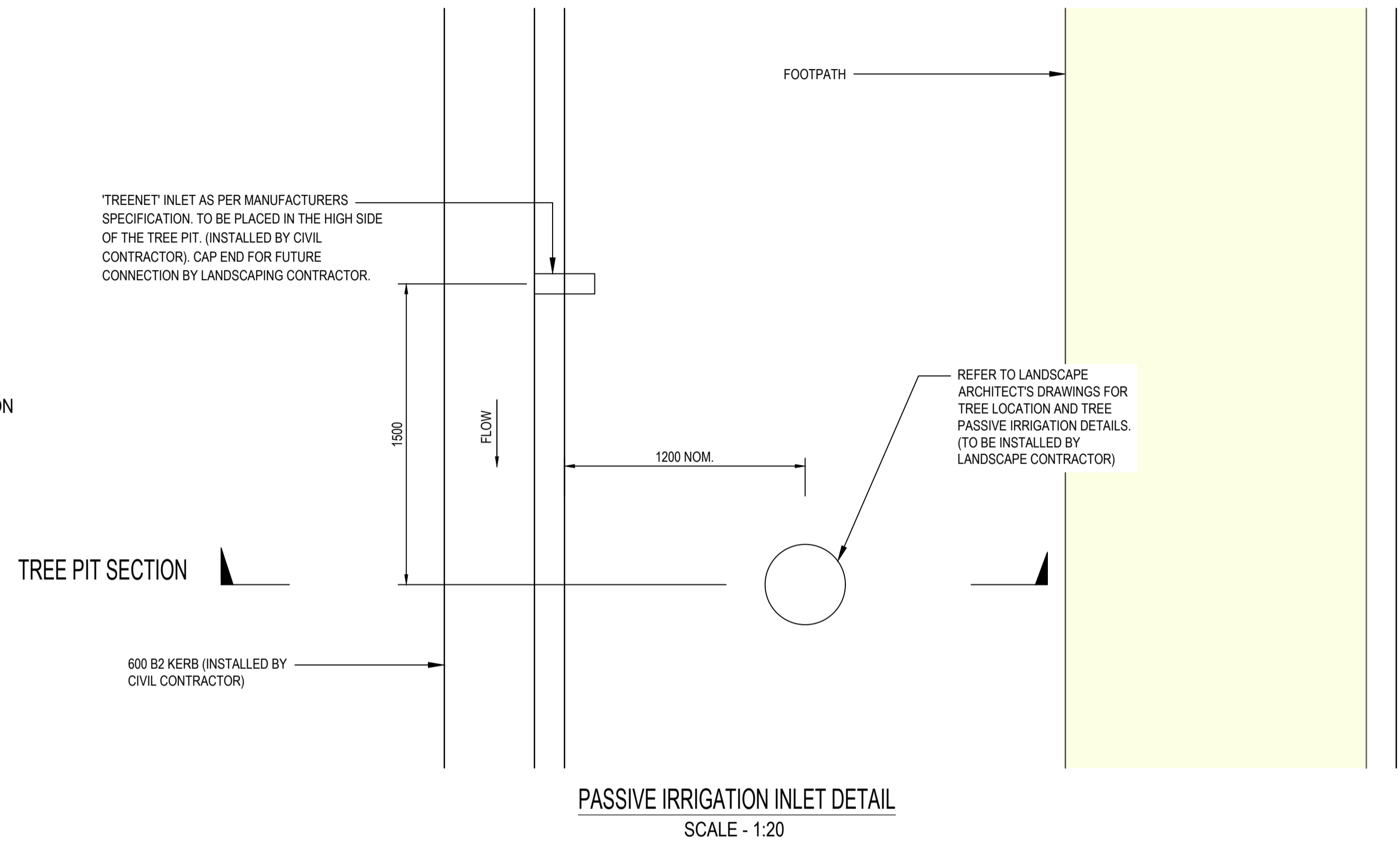
**PLAN**  
 SCALE 1:500



AMENDMENTS			 <b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers	<b>ASPIRE ESTATE</b> <b>STAGE 30A</b> <b>SIGNAGE AND LINEMARKING</b>	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
		MELWAY REF. 356-C-1			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 11 OF 14 P3



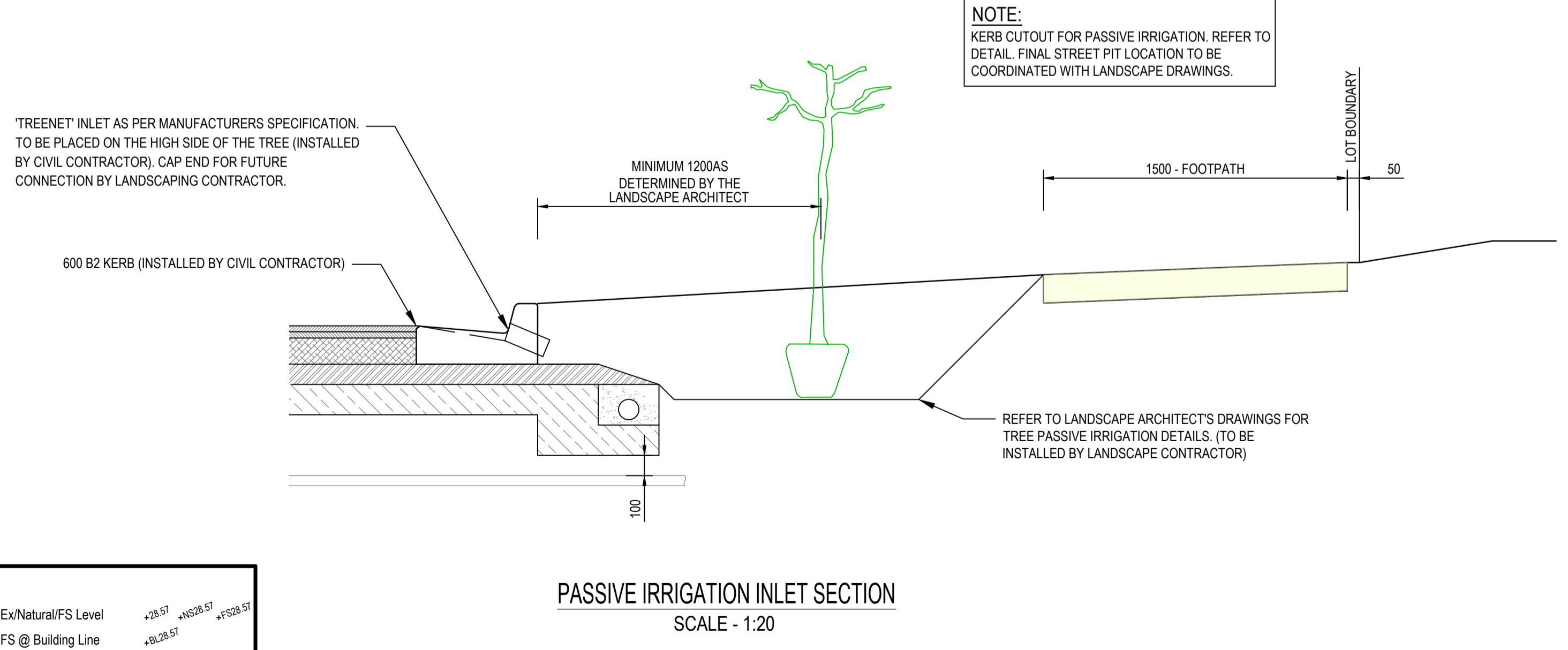
PLAN  
SCALE 1:500





TREE PIT SECTION

PASSIVE IRRIGATION INLET DETAIL  
SCALE - 1:20

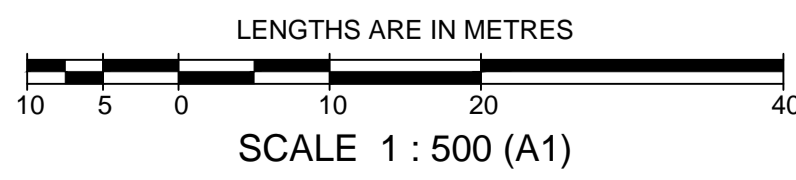
  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
 Nihal Jayasekara  
 ENGINEERING SERVICES  
 Date: 26/07/2022















PASSIVE IRRIGATION INLET SECTION  
SCALE - 1:20


- LEGEND**
-  PROPOSED PASSIVE IRRIGATION TREE PITS
  -  EXISTING PASSIVE IRRIGATION TREE PITS

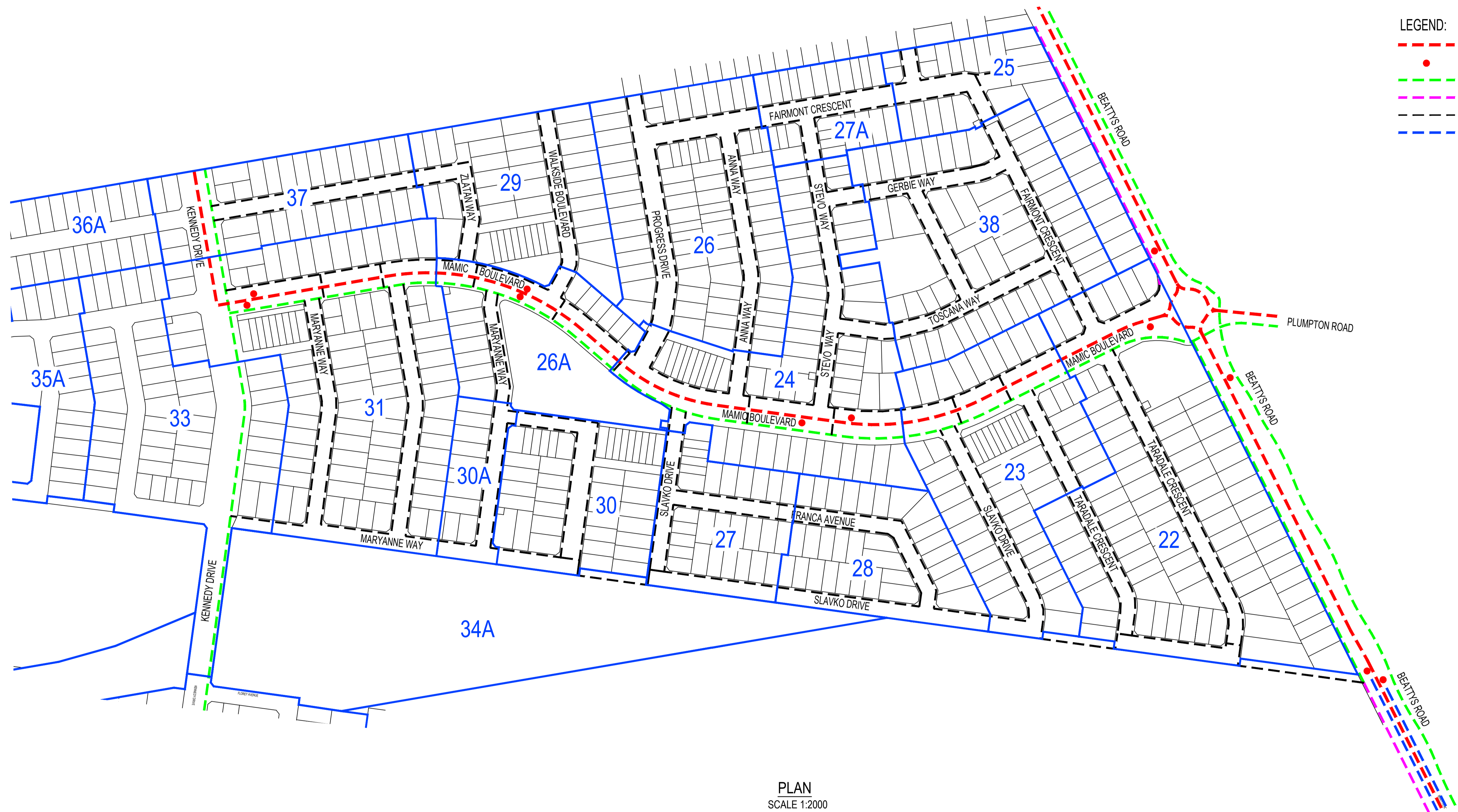
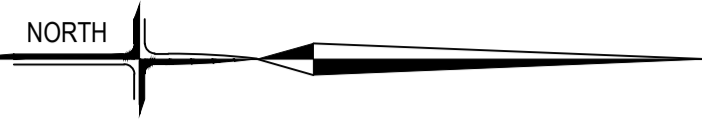
**NOTE:**  
LOCATION OF "TREENET" INLET TO BE COORDINATED WITH FINAL COUNCIL ENDORSED LANDSCAPE ARCHITECTS DRAWINGS.



**SYMBOL LEGEND**

Drains		Prop		Prev Stage	Ex/Natural/FS Level		+28.57	+16028.57	+1328.57
Main Drains		S		S	FS @ Building Line		+8.28.57	+1028.57	+1028.57
Sewer < 3000		S		S	Top/Toe of Batter		+1028.57	+1028.57	+1028.57
Sewer > 3000		S		S	Top Ret. Wall Level		+1228.57	+1228.57	+1228.57
Water (DW)		DW		W	100yr Flood Level		+1228.57	+1228.57	+1228.57
Water (NDW)		NDW		W	Fill Proposed (<0.3m/≥0.3m)				
House Drain		H		H	Cut Proposed				
Property Inlet		P		P	Asphalt Surface Prop				
Street Sign		S		S	Concrete Surface Prop (Paths/Driveways/Slabs)				
PSM		PSM		PSM	Tree To Be Removed				
Rock Ret Wall		R		R	Tree To Be Retained with Tree Protection Zone (TPZ)				
Sleeper Ret Wall		RS		RS					
Conduits 50mm		GW		GW					
Conduits 100mm		W100		W100					
Street Tree without Passive Irrigation (Refer Detail)									
Ex Drains		Ex DW		Ex NDW					
Ex Water DW/NDW		Ex S		Ex G					
Ex Sewer/Gas		Ex E		Ex T					
Ex Elect/Comm		Ex O		Ex O					
Ex Optic Fibre									

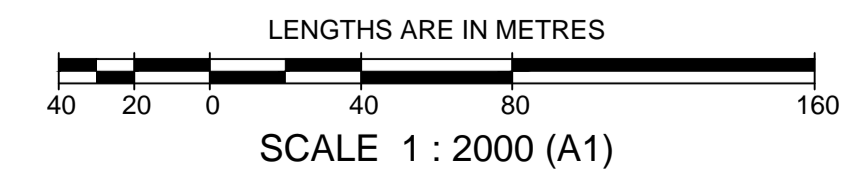
AMENDMENTS		 <b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.	356-C-1	<b>ASPIRE ESTATE STAGE 30A PASSIVE IRRIGATION PLAN</b>		MUNICIPALITY <b>MELTON</b>	
SURVEY	BPD			REFERENCE 8226 E/30A	
DESIGN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




- 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

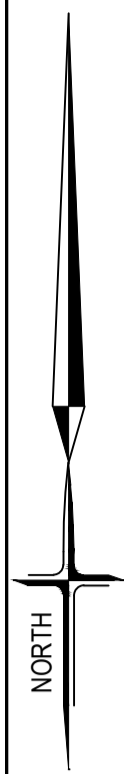
PLAN  
SCALE 1:2000

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



**PRELIMINARY**

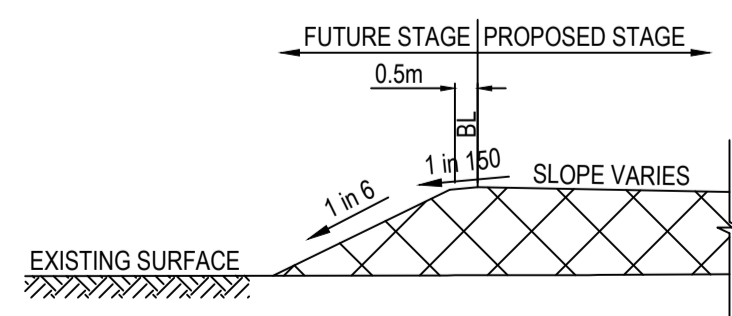
AMENDMENTS			 <b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers	<b>ASPIRE ESTATE          STAGE 30A          MOBILITY PLAN</b>	MUNICIPALITY <b>MELTON</b> REFERENCE <b>8226 E/30A</b>	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
	NO.	DATE					DESCRIPTION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



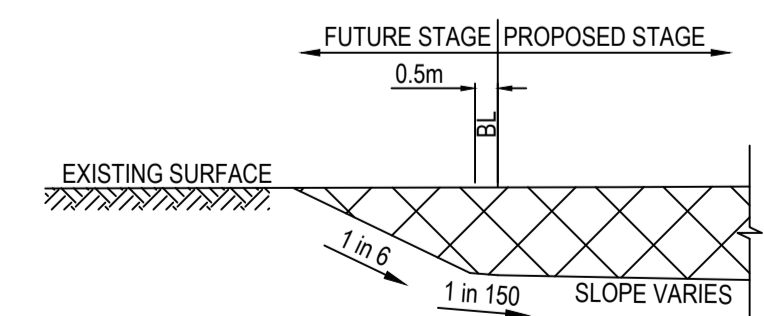
PLAN  
SCALE 1:500

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

TRANSMISSION  
POWER  
EASEMENT



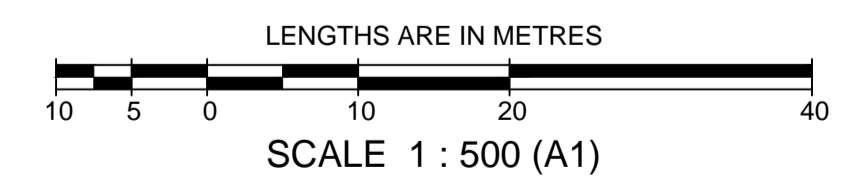
TYPICAL SECTION WHEN  
IN FILL ON BOUNDARY  
OF FUTURE STAGE  
NOT TO SCALE



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	H
Property Inlet	I
Street Sign	S
PSM	P
Rock Ret Wall	R
Sleeper Ret Wall	R
Conduits 50mm	G
Conduits 100mm	G
Street Tree without/with Passive Irrigation (Refer Detail)	T
Ex Drains	Ex DW
Ex Water DW/NDW	Ex NDW
Ex Sewer/Gas	Ex S
Ex Elect/Comm	Ex E
Ex Optic Fibre	Ex O
Ex/Natural/FS Level	• 28.57
FS @ Building Line	• BL 28.57
Top/Toe of Batter	• TOP 28.57
Top Ret. Wall Level	• TW 28.57
100yr Flood Level	• FL 28.57
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)	⊙

PRELIMINARY



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