

### SERVICE OFFSETS AND LOCATION TABLE

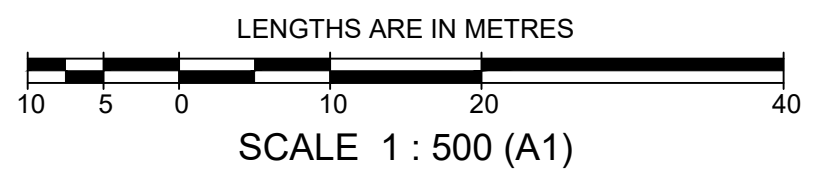
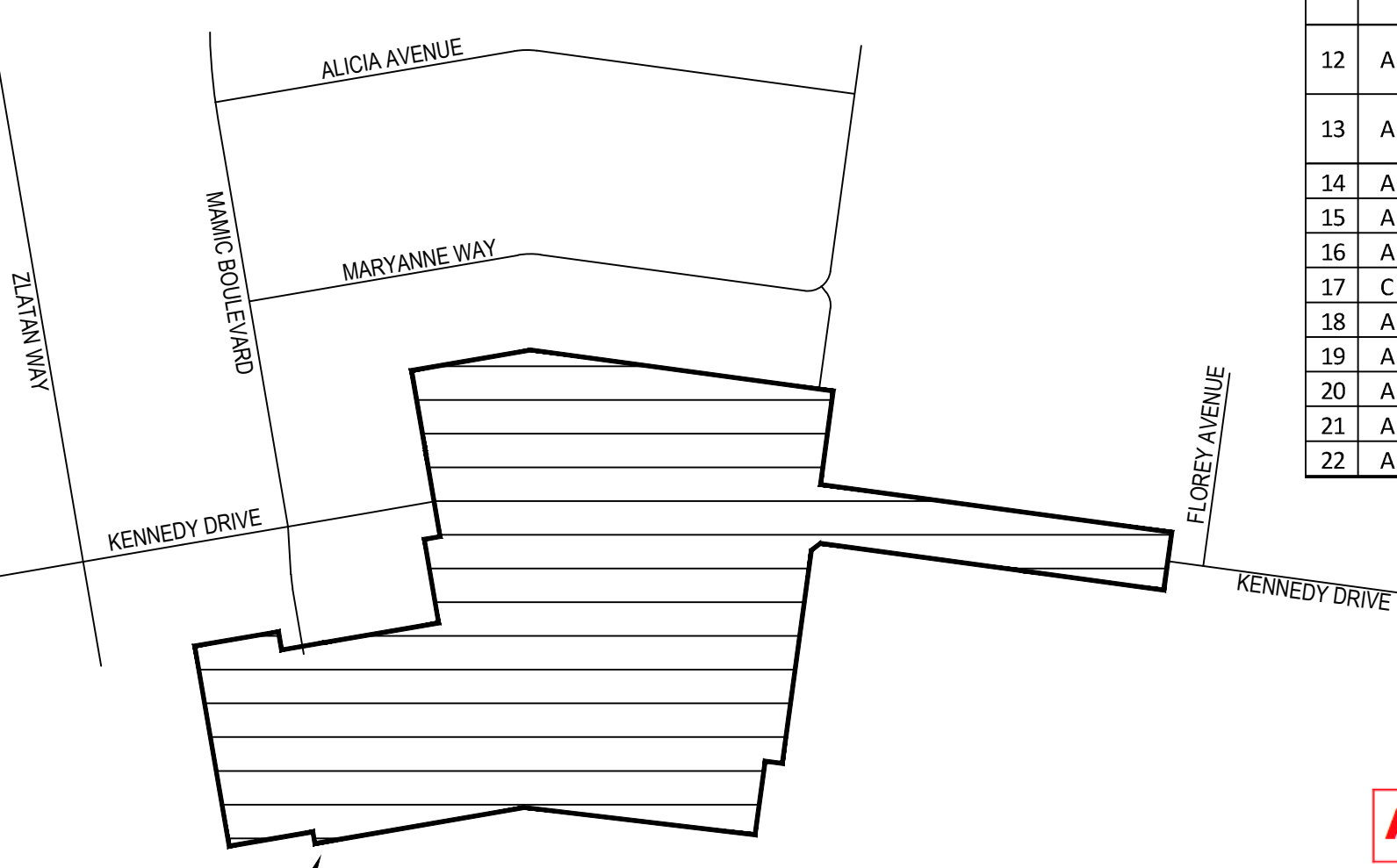
Location	Gas	Water		Telecommunications		Electricity		BOK	Road Width	Joint Trenching	Street Classification	
		DW	DW	Cables	Pits	Cables	Poles					
IVAN WAY (EAST/WEST)	2.10 S		2.60 S	1.80 N	1.80 N	2.30 N	1.00 BOK	4.20 N 4.20 S	16.00	G&W, FTH&E	ACCESS PLACE	
IVAN WAY (NORTH/SOUTH)	2.70 W		3.10 W	1.80 W	1.80 W	2.15 W	1.00 BOK	4.35 W 3.35 E	15.30	G&W, FTH&E	ACCESS PLACE	
MAMIC BOULEVARD (LOTS 3333/3334)	2.35 W		2.85 W	1.80 E	1.80 E	2.30 E	1.00 BOK	4.20 E 4.20 W	16.00	G&W, FTH&E	ACCESS PLACE	
MAMIC BOULEVARD (LOTS 3336/3337)	2.35 W		2.85 W	1.85 W	1.85 W	2.30 E	1.00 BOK	4.20 E 4.20 W	16.00	G&W, FTH&E	ACCESS PLACE	
KENNEDY DRIVE	2.30 N/ 2.10 S		2.80 N	2.60 S	1.85 N	1.85 N	3.80 N	1.00 BOK	VARIES	31.50	G&W, FTH&E	CONNECTOR STREET
KENNEDY DRIVE (EAST)	1.70 S		2.20 S	2.00 N	2.00 N	2.50 N	1.00 BOK	VARIES	22.00	G&W, FTH&E	CONNECTOR STREET	
TAMICHAEL WAY	2.70 W		3.10 W	1.80 W	1.80 W	2.15 W	-	-	12.00	G&W, FTH&E	ACCESS PLACE	

NOTE: \* OFFSET FROM BACK OF KERB

### SHEET INDEX

SHT No.	VER	DESCRIPTION
1	C	LAYOUT PLAN
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4	A	GENERAL DETAILS
5	B	ROAD PAVEMENT DETAILS
6	A	INTERSECTION DETAIL PLANS
7	A	INTERSECTION DETAIL PLANS
8	A	LONGITUDINAL & CROSS SECTIONS MAMIC BOULEVARD
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10	A	LONGITUDINAL & CROSS SECTIONS IVAN WAY - SHEET 2 OF 2
11	A	LONGITUDINAL & CROSS SECTIONS KENNEDY DRIVE - SHEET 1 OF 3
12	A	LONGITUDINAL & CROSS SECTIONS KENNEDY DRIVE - SHEET 2 OF 3
13	A	LONGITUDINAL & CROSS SECTIONS KENNEDY DRIVE - SHEET 3 OF 3
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20	A	MOBILITY PLAN
21	A	EARTHWORKS PLAN
22	A	EARTHWORKS PLAN

**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.

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

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

### SYMBOL LEGEND

Drains	Prop Stage	Ex Natural/FS Level	+28.57
Main Drains	Prop Stage	FS @ Building Line	+28.57
Sewer < 3000	Prop Stage	Top/Toe of Batter	+2088.57
Sewer > 3000	Prop Stage	Top Ret. Wall Level	+2028.57
Water (NDW)	Prop Stage	100yr Flood Level	+28.57
House Drain	Prop Stage	Fill Proposed (<0.3m/≥0.3m)	
Property Inlet	Prop Stage	Cut Proposed	
Street Sign	Prop Stage	Asphalt Surface Prop	
PSM	Prop Stage	Concrete Surface Prop (Paths/Driveways/Slabs)	
Rock Ret Wall	Prop Stage	Tree To Be Removed	
Sleeper Ret Wall	Prop Stage	Tree To Be Retained with Tree Protection Zone (TPZ)	
Conduits 50mm	Prop Stage		
Conduits 100mm	Prop Stage		
Street Tree without Passive Irrigation (Refer Detail)	Prop Stage		
Ex Drains	Prop Stage		
Ex Water DW/DW	Prop Stage		
Ex Sewer/Gas	Prop Stage		
Ex Elect/Comm	Prop Stage		
Ex Optic Fibre	Prop Stage		

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	AHD	DATE	SHEET
C	09.04.23	DRAINAGE LINE 23-19 ADDED, SHEET INDEX AMENDED	C. HAGAN	AS SHOWN	AHD		APRIL 2022	1 OF 22
B	31.08.23	SHEET INDEX AMENDED						
A	22.02.23	CONSTRUCTION ISSUE						

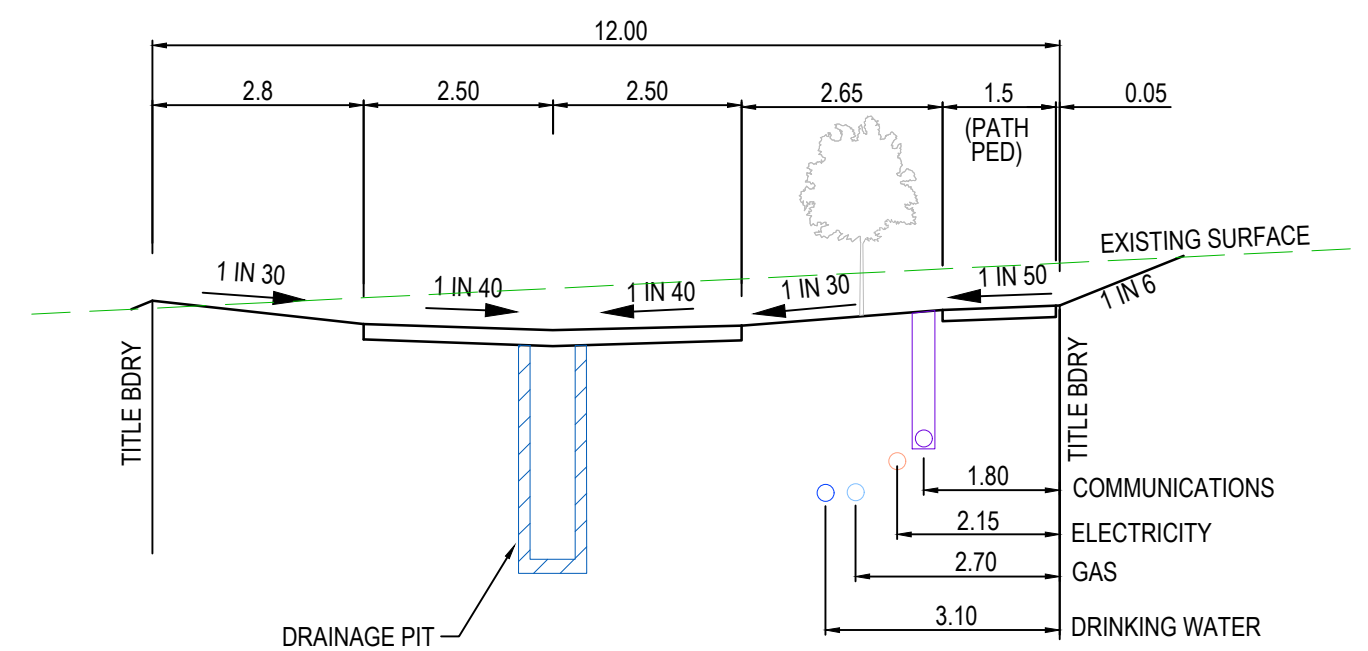
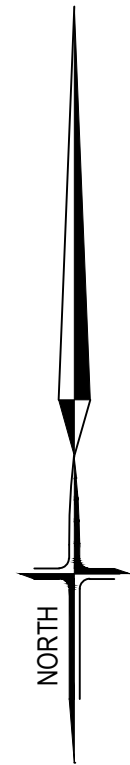
land surveyors  
civil engineers

**ASPIRE ESTATE  
STAGE 33  
LAYOUT PLAN**

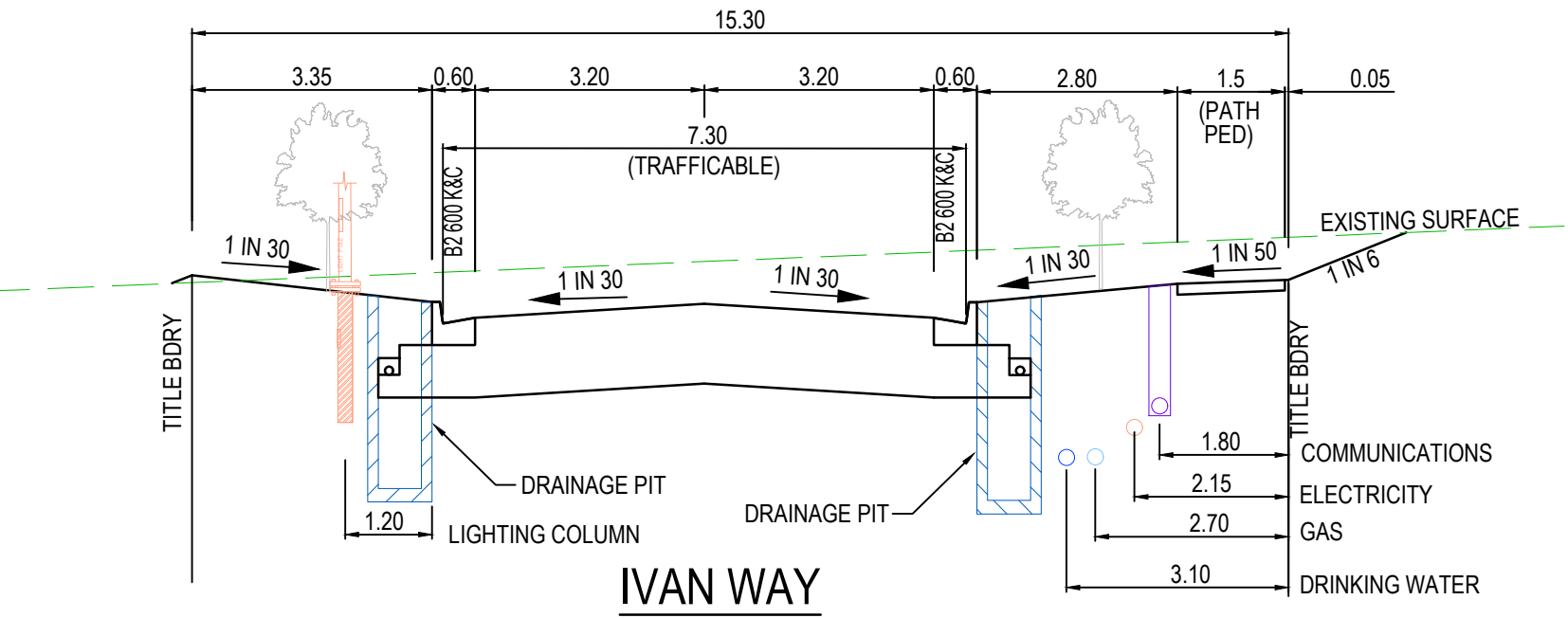
1/19 cato street  
hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

MELWAY REF. 356-C-1	MUNICIPALITY MELTON
SURVEY BPD	REFERENCE 8226 E/33
DESIGN J.B	
DRAWN I.W	

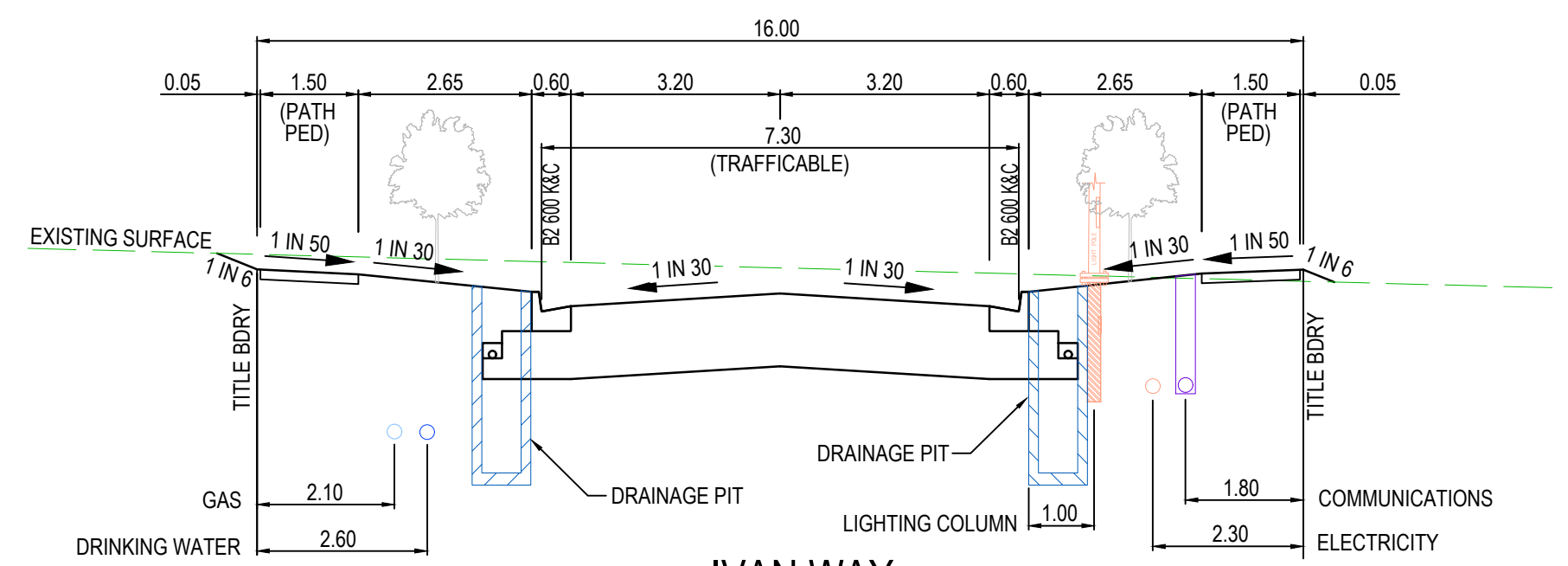




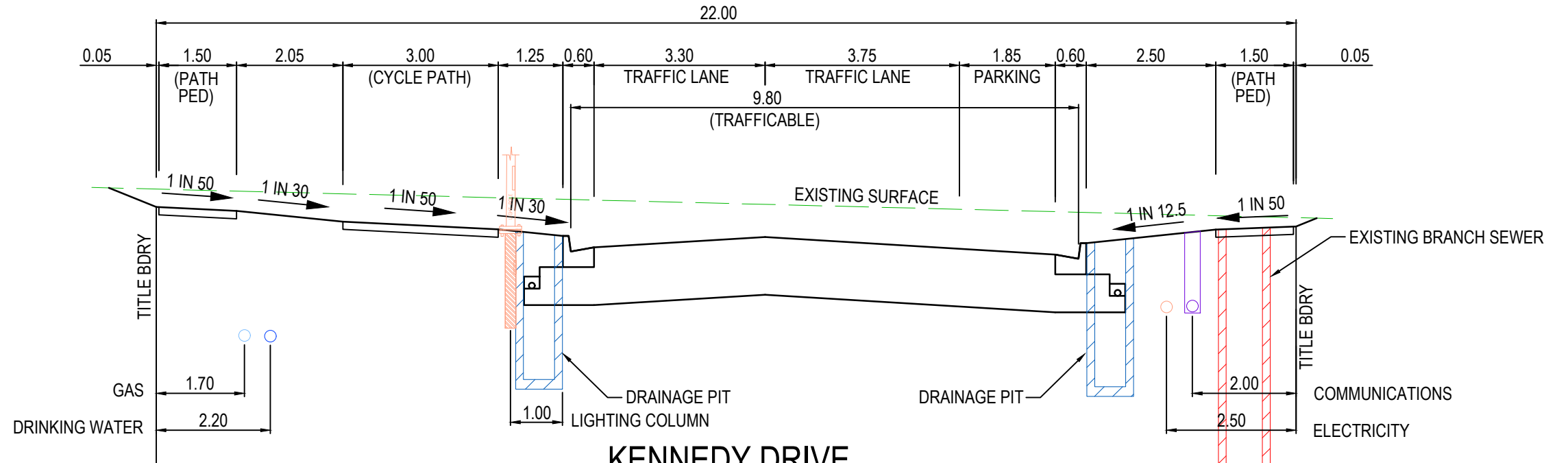
**TAMICHAEL WAY**  
TYPICAL SECTION A - A  
12m ROAD RESERVE  
LOCAL ACCESS STREET



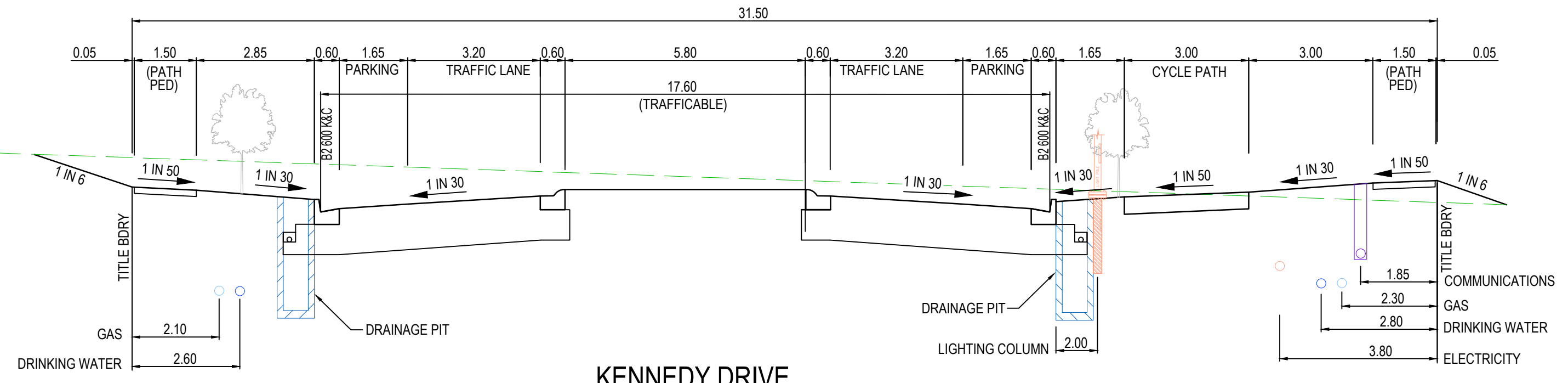
**IVAN WAY**  
TYPICAL SECTION B - B  
15.3m ROAD RESERVE  
LOCAL ACCESS STREET



**IVAN WAY**  
TYPICAL SECTION C - C  
16.0m ROAD RESERVE  
CONNECTOR STREET - RESIDENTIAL

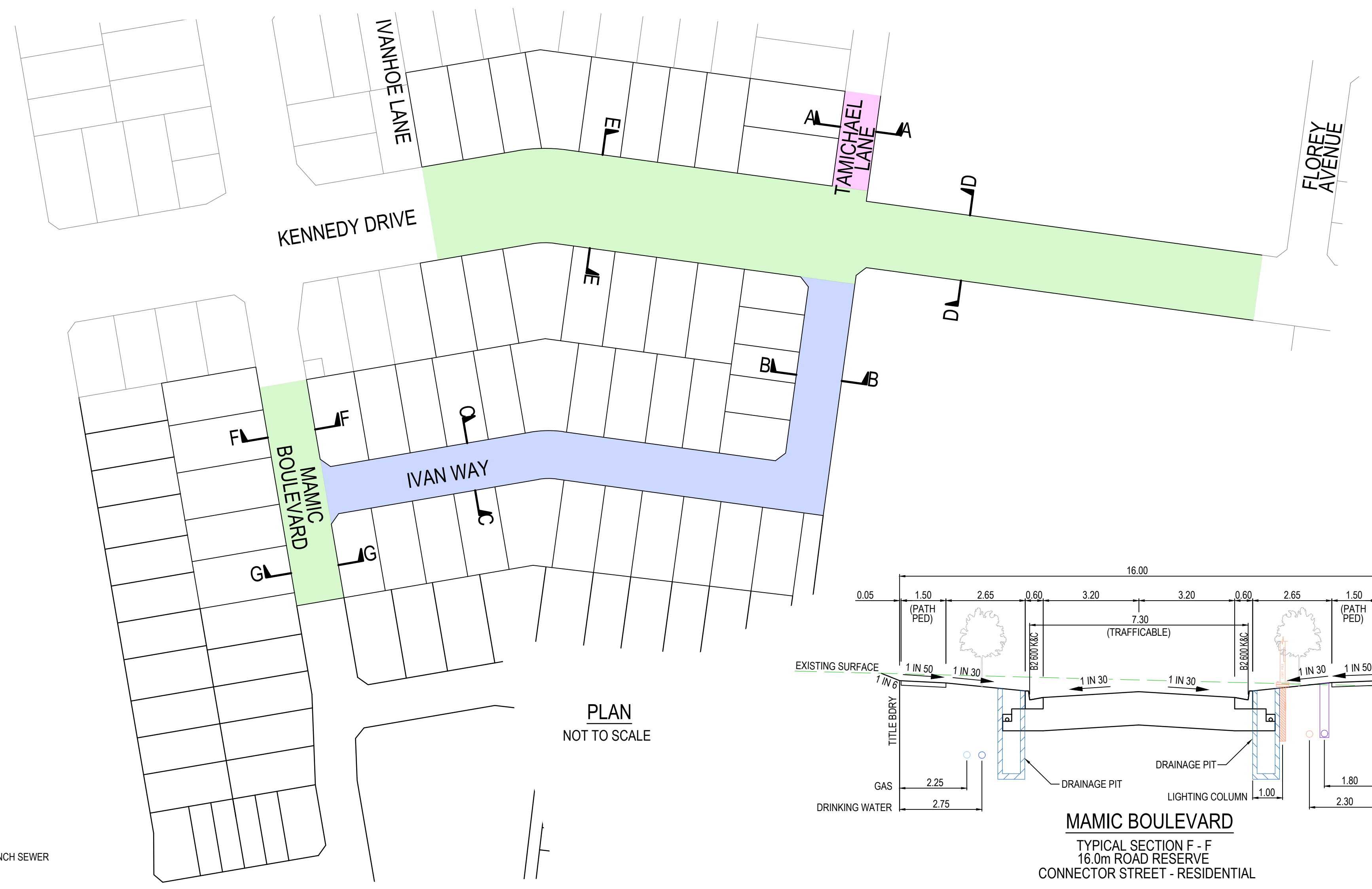


**KENNEDY DRIVE**  
TYPICAL SECTION D - D  
22.0m ROAD RESERVE  
CONNECTOR STREET - RESIDENTIAL

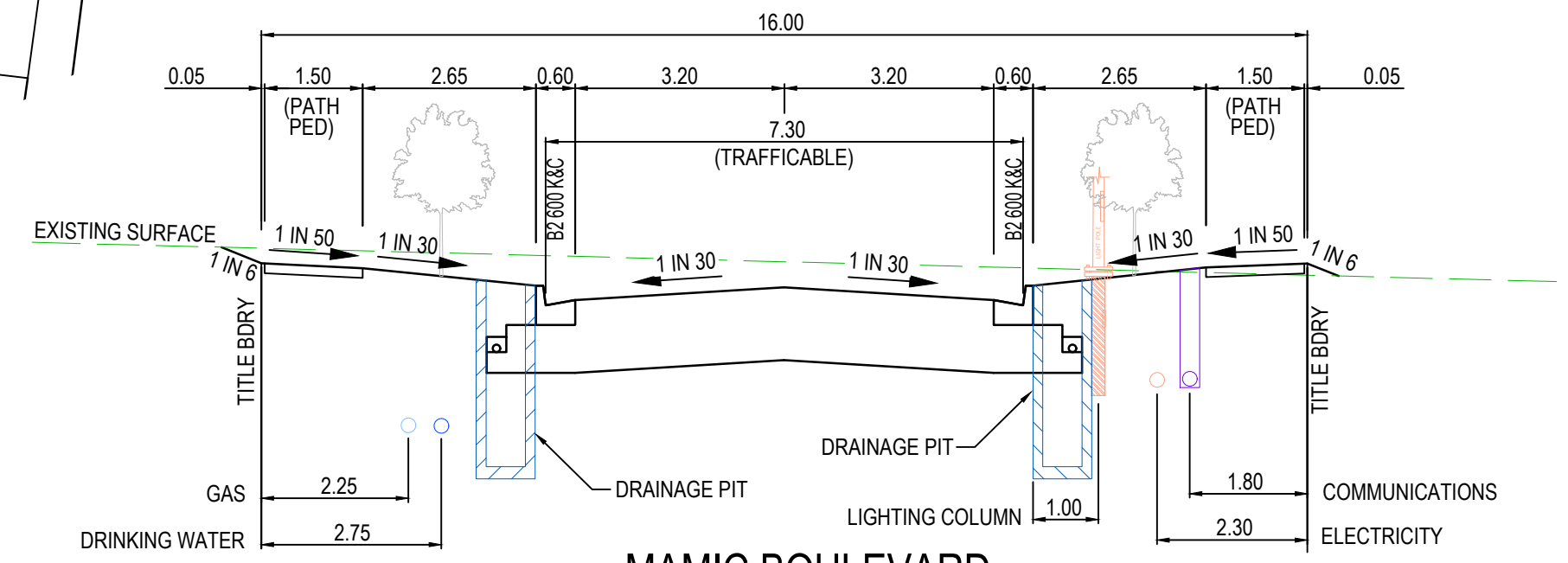


**KENNEDY DRIVE**  
TYPICAL SECTION E - E  
31.5m ROAD RESERVE  
CONNECTOR STREET - RESIDENTIAL

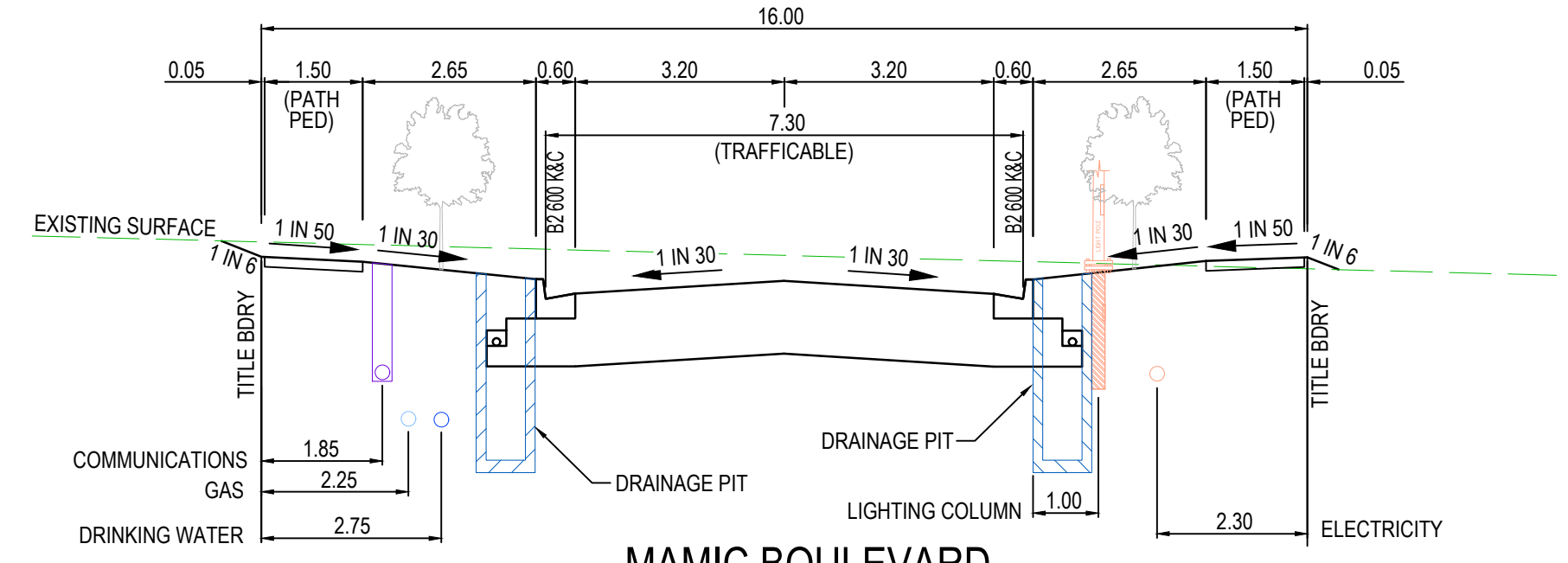
**TYPICAL CROSS SECTIONS**  
SCALE HORIZONTAL 1:100  
VERTICAL 1:50



PLAN  
NOT TO SCALE




**MAMIE BOULEVARD**  
TYPICAL SECTION F - F  
16.0m ROAD RESERVE  
CONNECTOR STREET - RESIDENTIAL



**MAMIE BOULEVARD**  
TYPICAL SECTION G - G  
16.0m ROAD RESERVE  
CONNECTOR STREET - RESIDENTIAL

**AS CONSTRUCTED**

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	
VER	DATE	REMARKS	CHECKED	SCALE	DATUM
B	31.08.23	SERVICES UPDATED	C. HAGAN	AS SHOWN	AHD
A	22.02.23	CONSTRUCTION ISSUE			
			MELWAY REF.	DATE	
			356-C-1	APRIL 2022	
			SURVEY	SHEET	
			BPD	02 OF 22	
			DESIGN	MUNICIPALITY	
			J.B	MELTON	
			DRAWN	REFERENCE	
			I.W	8226 E/33	
			DATE	SHEET	
			22.02.23	02 OF 22	
			CONSTRUCTION ISSUE	B	
			REMARKS		



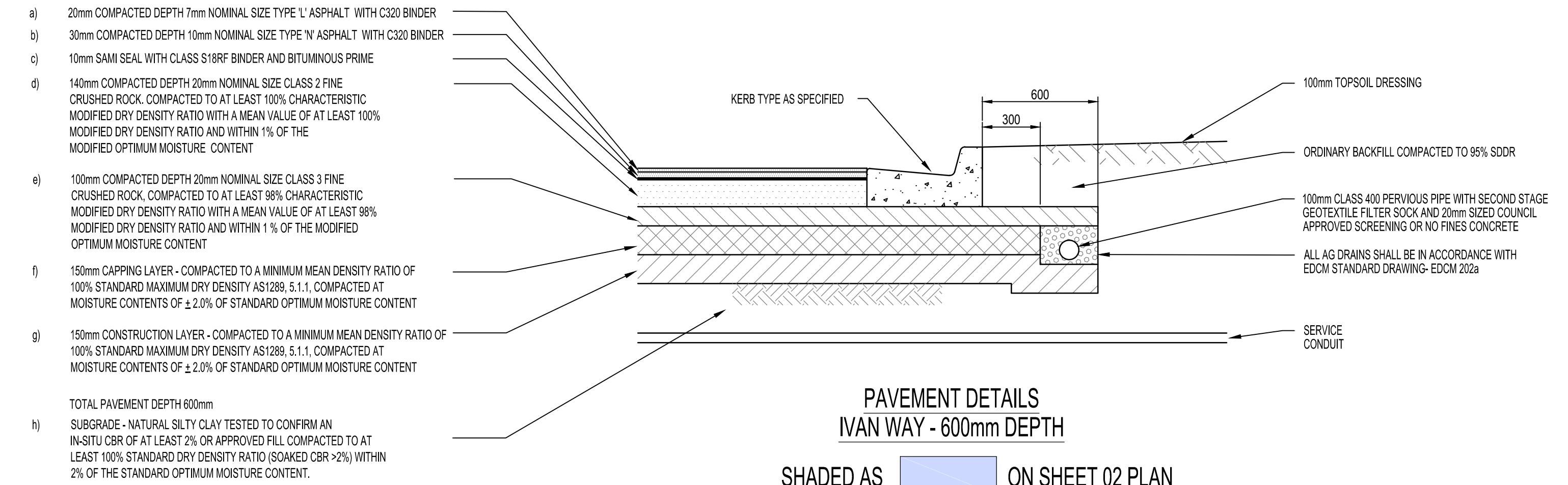
## GENERAL NOTES

- 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 EDM701, EDM702 & EDM703.
- 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.
- 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.
- 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.(RRJ) AND 825mm DIA. AND GREATER TO BE R.C.(I). PIPES LAYED ON A CURVE TO BE RRJ. 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. 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.
- 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:
  - BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
  - 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.)
- 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.
- 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 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.
- 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 CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- TELSTRANBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- 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 DRAWINGS FIG010 & FIG011. ACROSS THE WINGED SECTION CONTRACTOR TO PROVIDE TWO 450mm LONG N12 DEFORMED BARS, CENTRALLY LOCATED, AT 300mm CENTRES.
- ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/BICYCLE 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.
- 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 EDM301.
- 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 TBMS TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBMS 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. 72514/203) ALONG FULL EXTENT OF OUTFALL DRAINS. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.

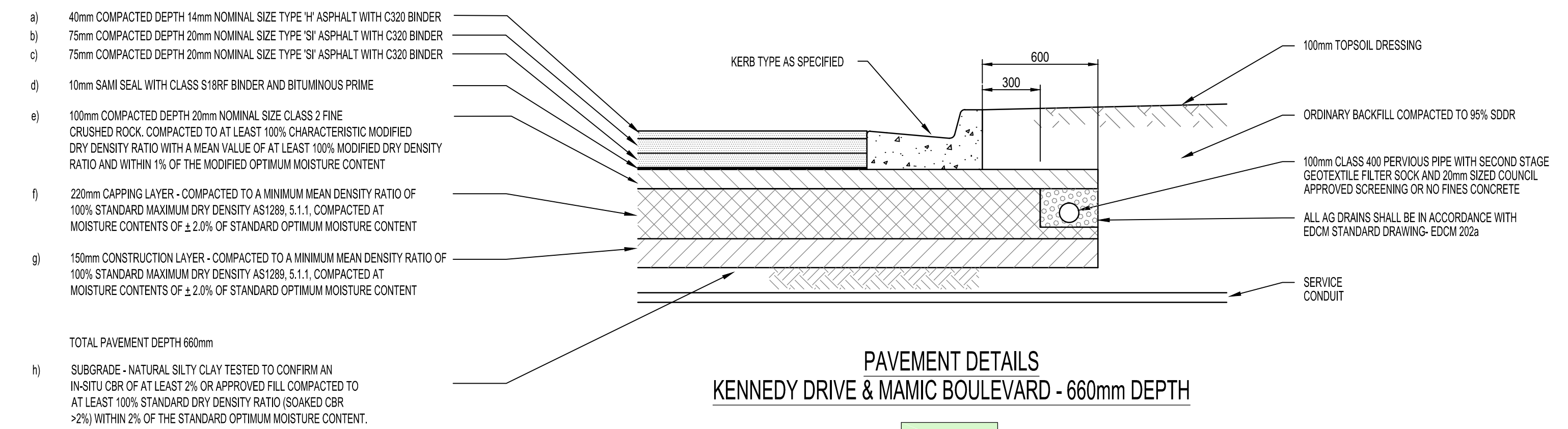
## PIT SCHEDULE NOTES

- 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 '1') SHALL BE PROVIDED WITH TERRA FIRMA OR APPROVED EQUIVALENT PIT LID WITH A LOCKABLE COVER.



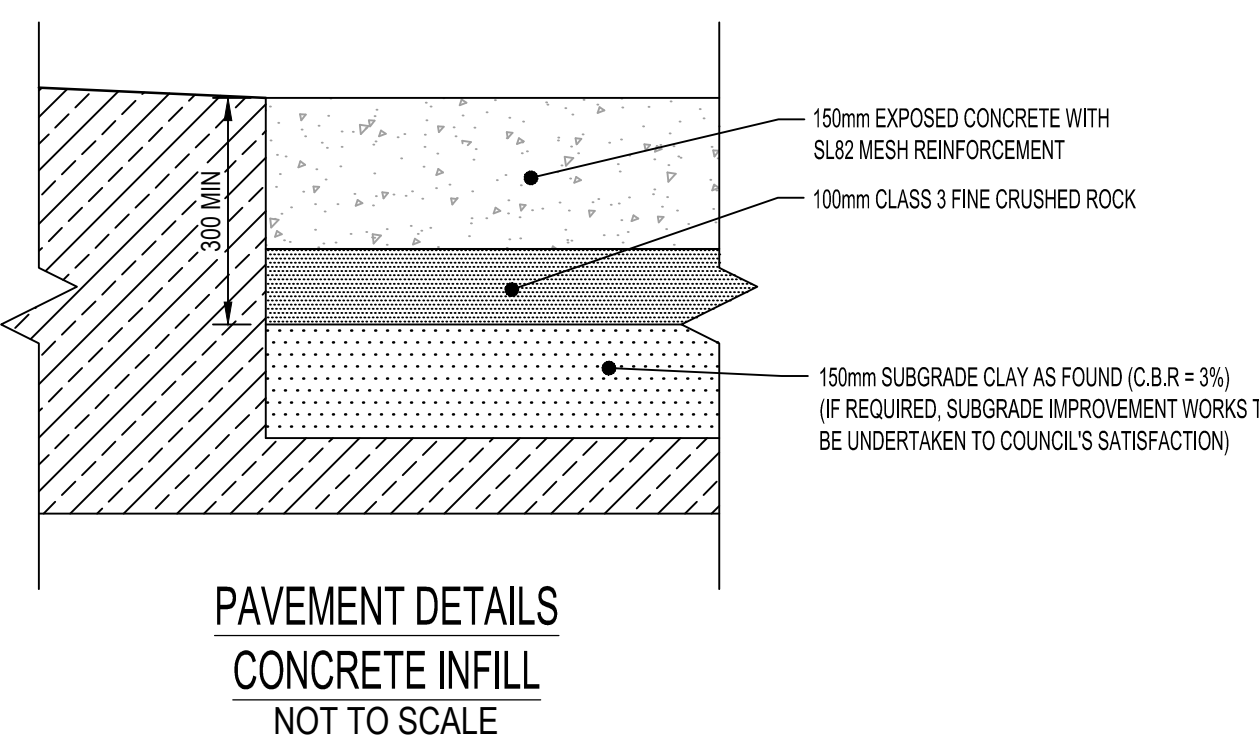
PAVEMENT DETAILS  
IVAN WAY - 600mm DEPTH

SHADED AS  ON SHEET 02 PLAN

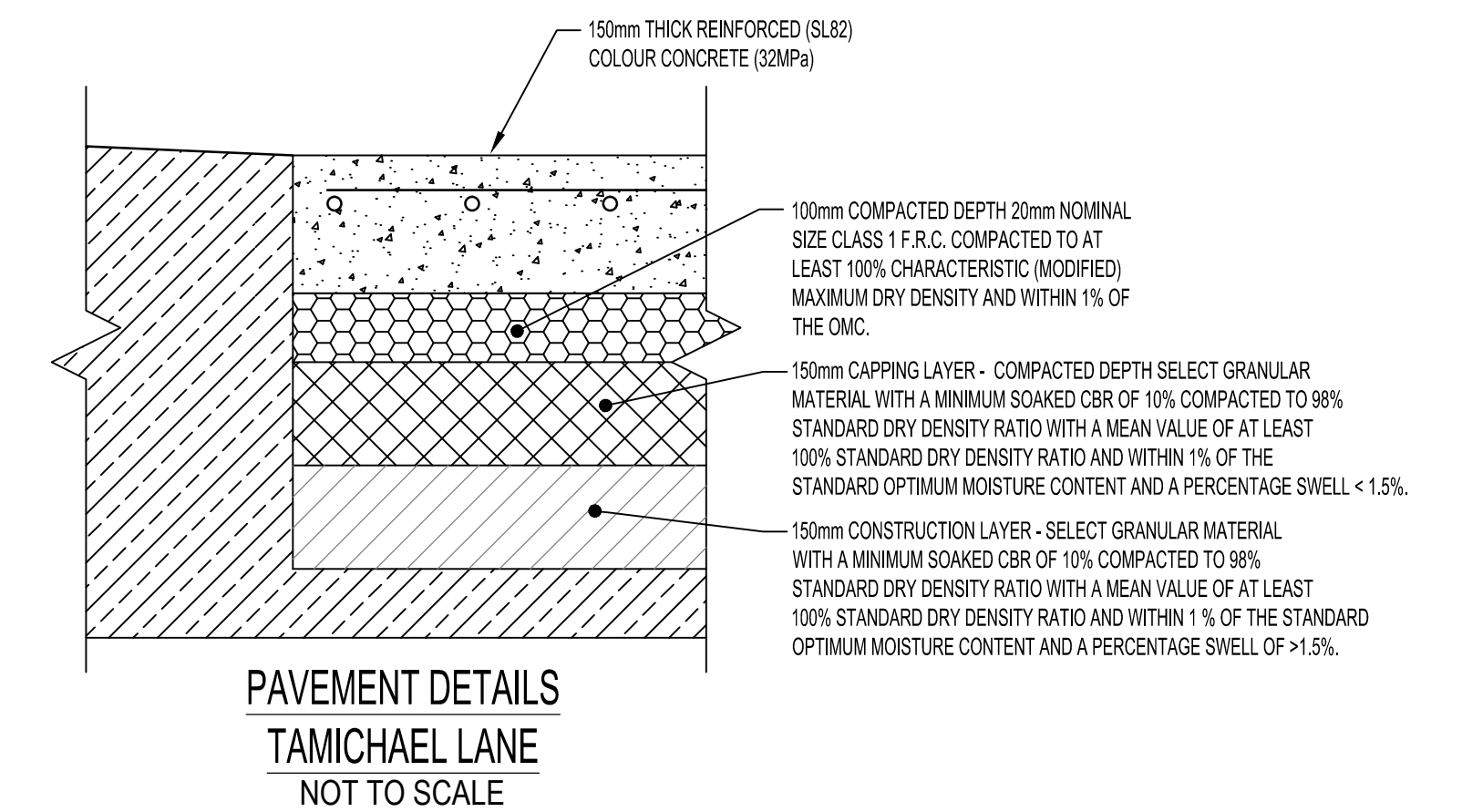


PAVEMENT DETAILS  
KENNEDY DRIVE & MAMIC BOULEVARD - 660mm DEPTH

SHADED AS  ON SHEET 02 PLAN



PAVEMENT DETAILS  
CONCRETE INFILL  
NOT TO SCALE



PAVEMENT DETAILS  
TAMICHAEL LANE  
NOT TO SCALE

SHADED AS  ON SHEET 02 PLAN

## SPECIFICATION FOR SAMI SEAL

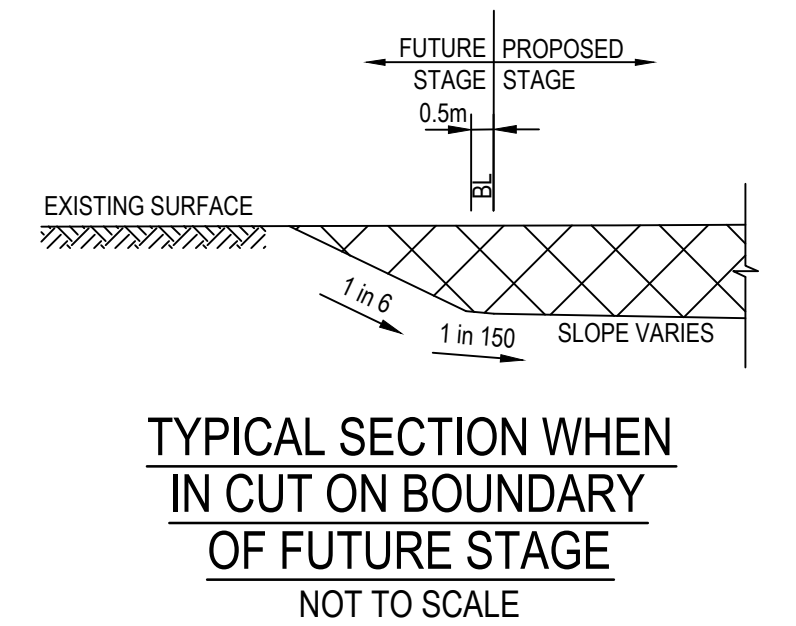
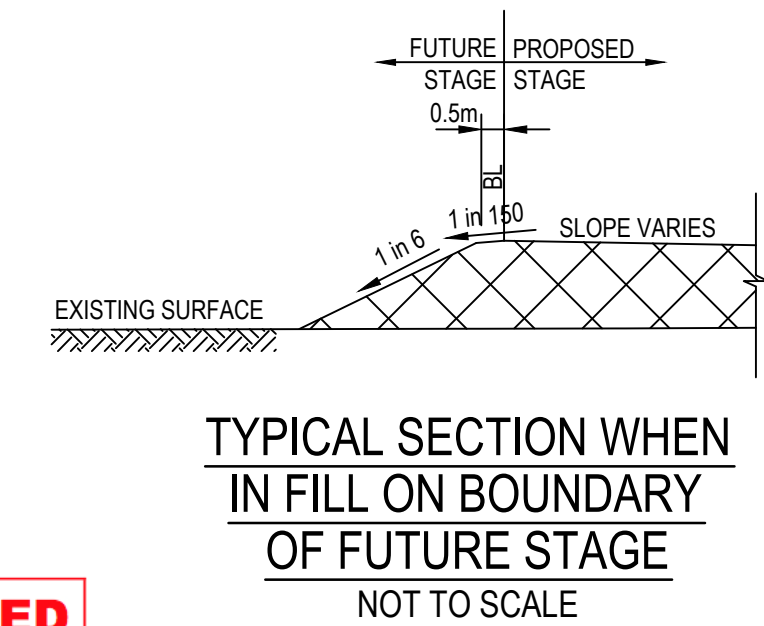
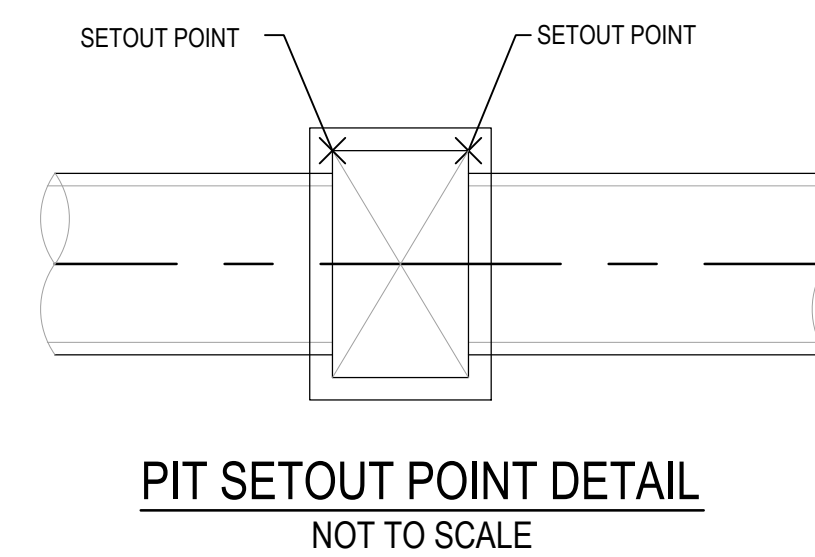
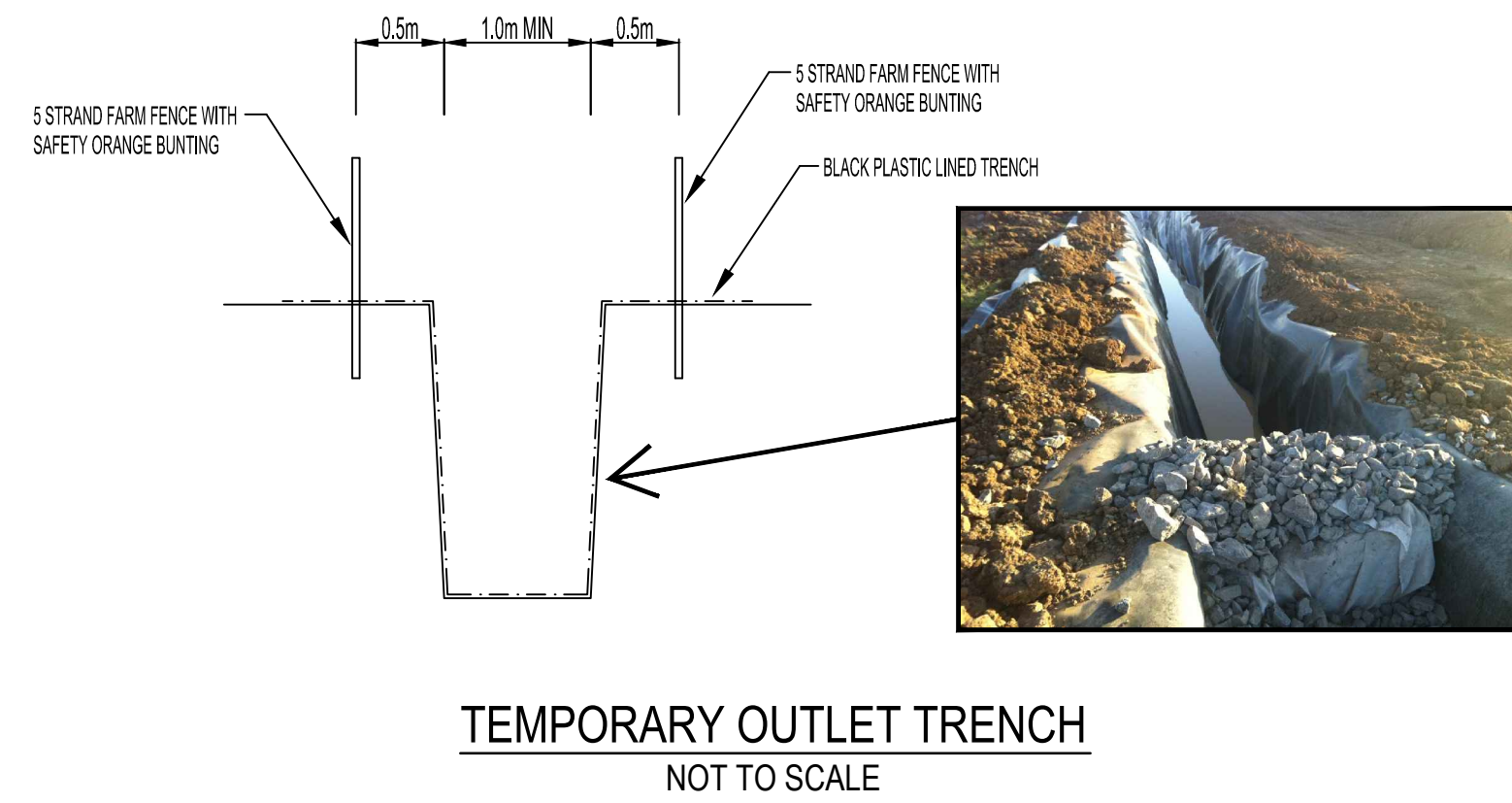
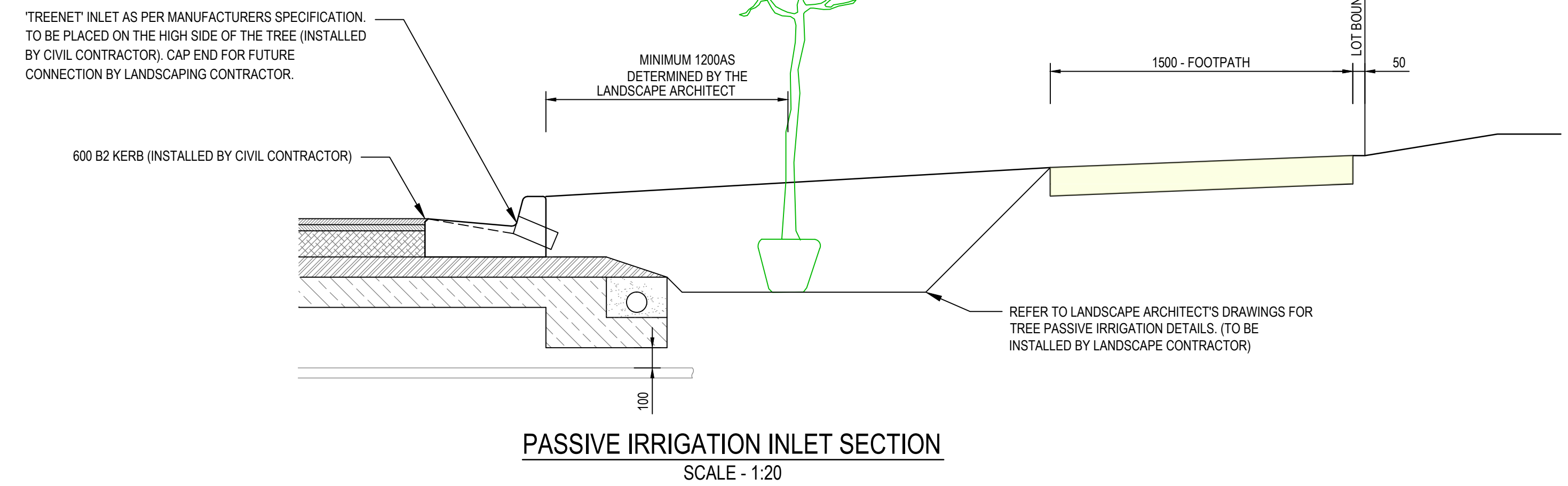
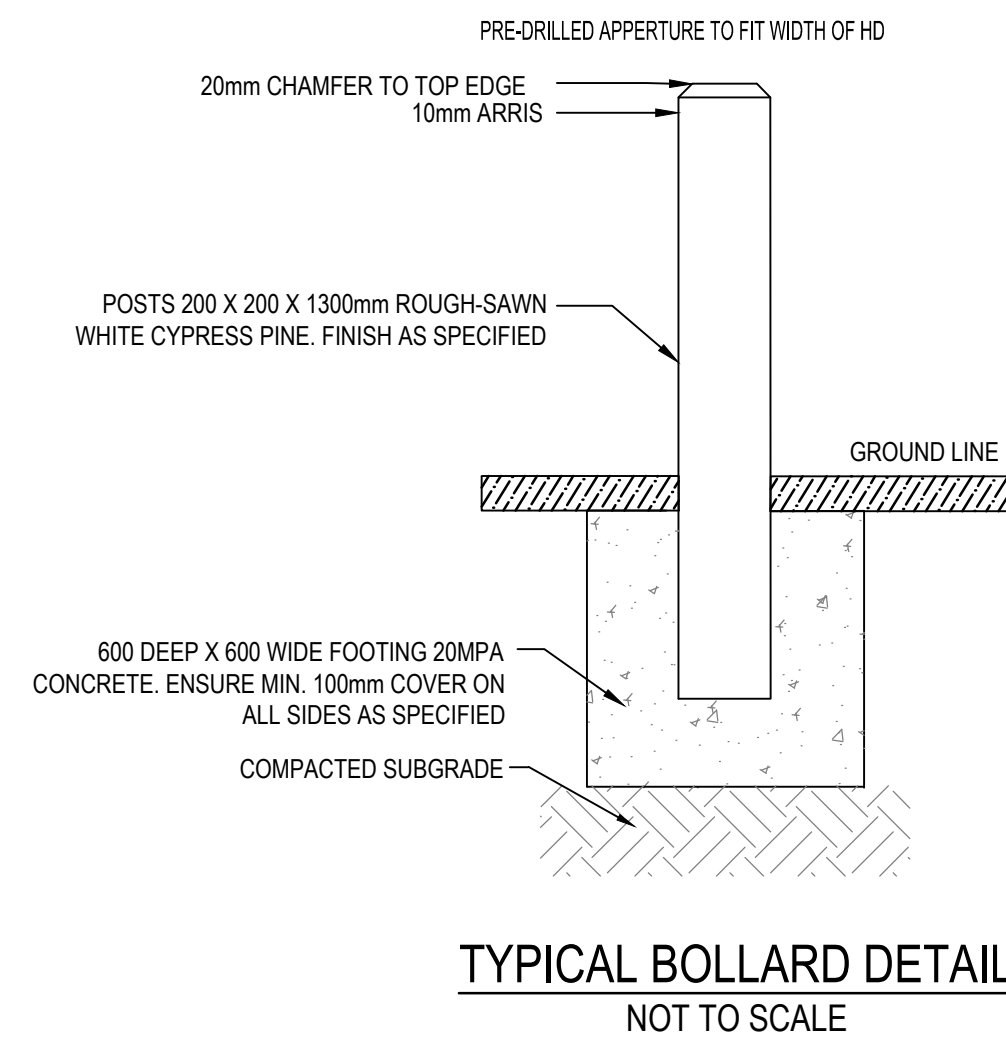
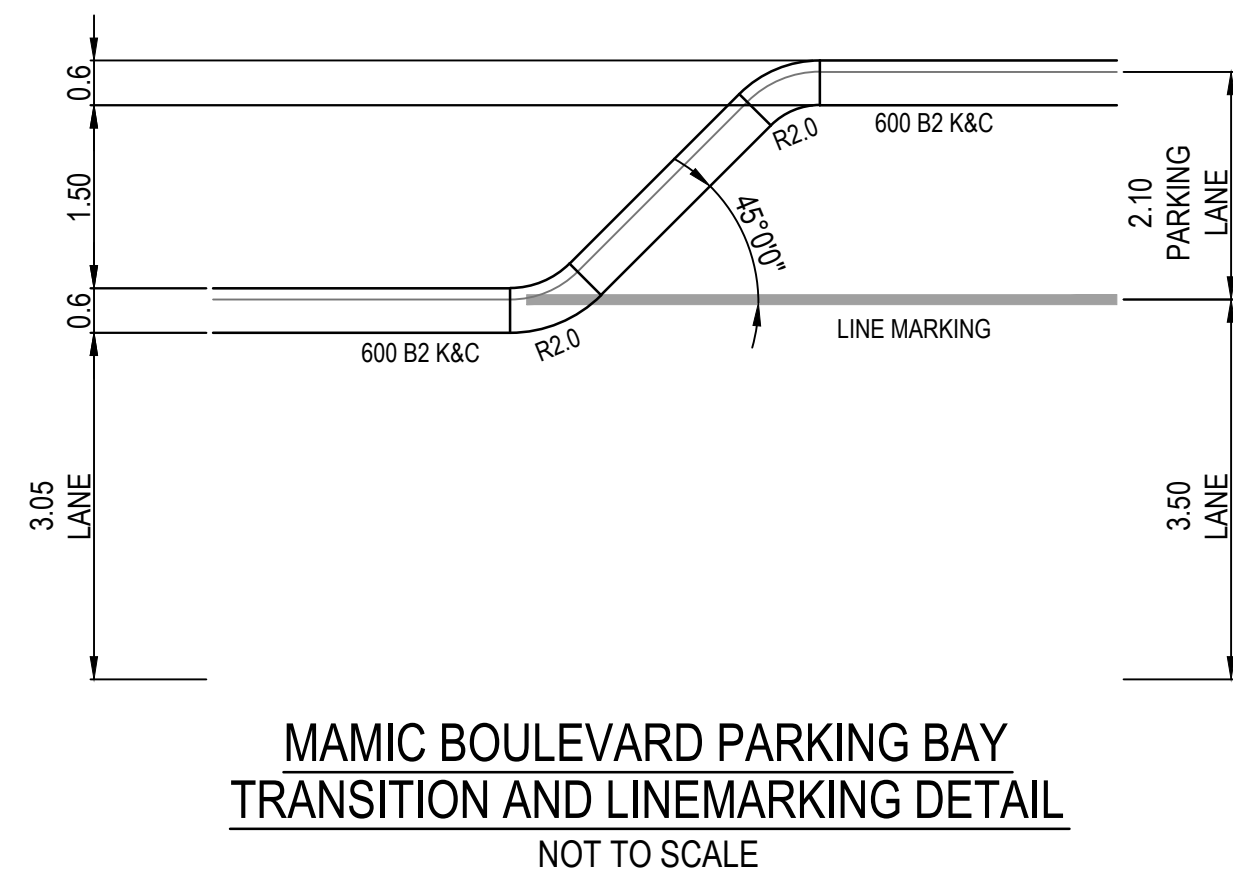
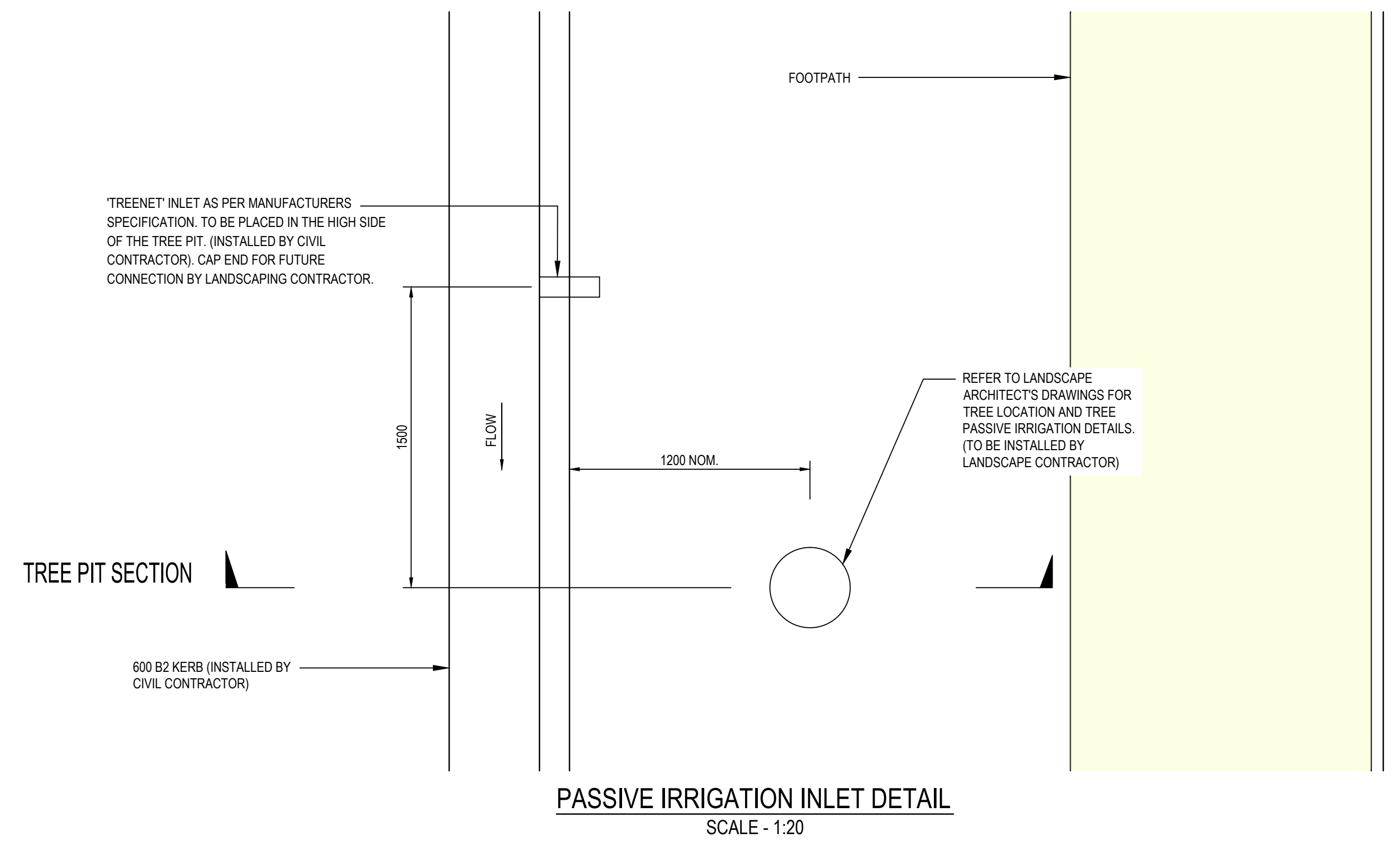
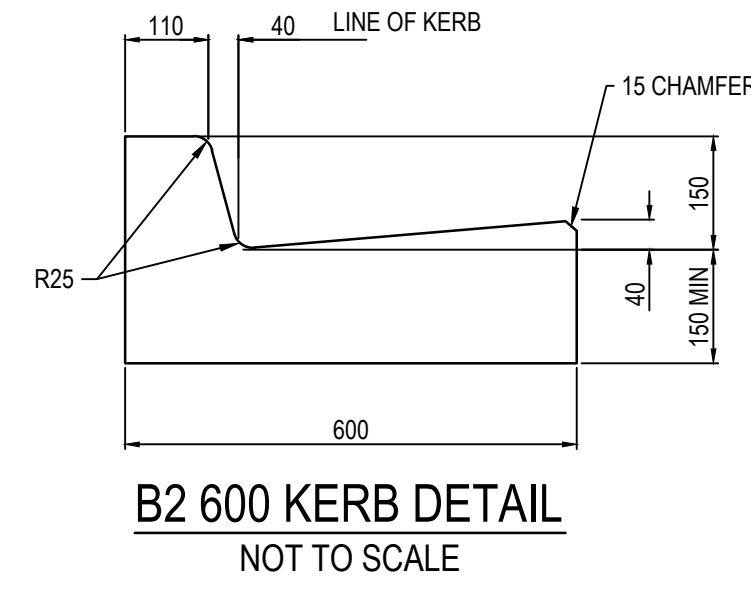
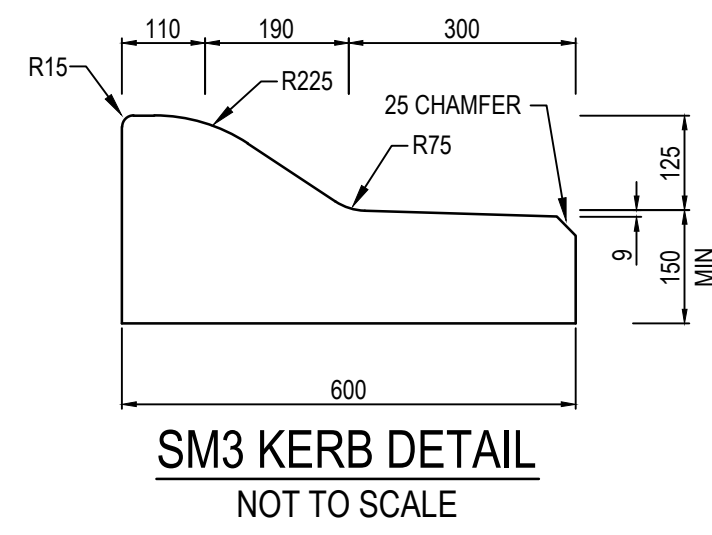
THE SAMI TREATMENT SHOULD CONSIST OF A SIZE 10 SPRAYED SEAL USING CLASS S18RF BITUMEN CRUMB RUBBER BINDER PLACED AT AN APPLICATION RATE > 1.80m<sup>2</sup> AND COVERED WITH A LIGHT APPLICATION OF PRE-COATED SIZE 10 AGGREGATE. THE CLASS S18RF BINDER SHALL BE PRODUCED USING NOT LESS THAN 20 PARTS OF CRUMB 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 BITUMINOUS PRIME, AND NOT A PRIMER SEAL, APPLIED TO THE UNDERLYING UNBOUND BASE MATERIAL.

AMENDMENTS						1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
				MELWAY REF. 354-C-12 SURVEY BPD DESIGN J.B		MUNICIPALITY MELTON	
A		22.02.23		CONSTRUCTION ISSUE		DRAWN I.W. CHECKED C. HAGAN	
VER		DATE		REMARKS		SCALE AS SHOWN DATUM AHD DATE APRIL 2022 SHEET 03 OF 22	
				ASPIRE ESTATE STAGE 33 ROAD PAVEMENT DETAILS & NOTES		REFERENCE 8226 E/33	

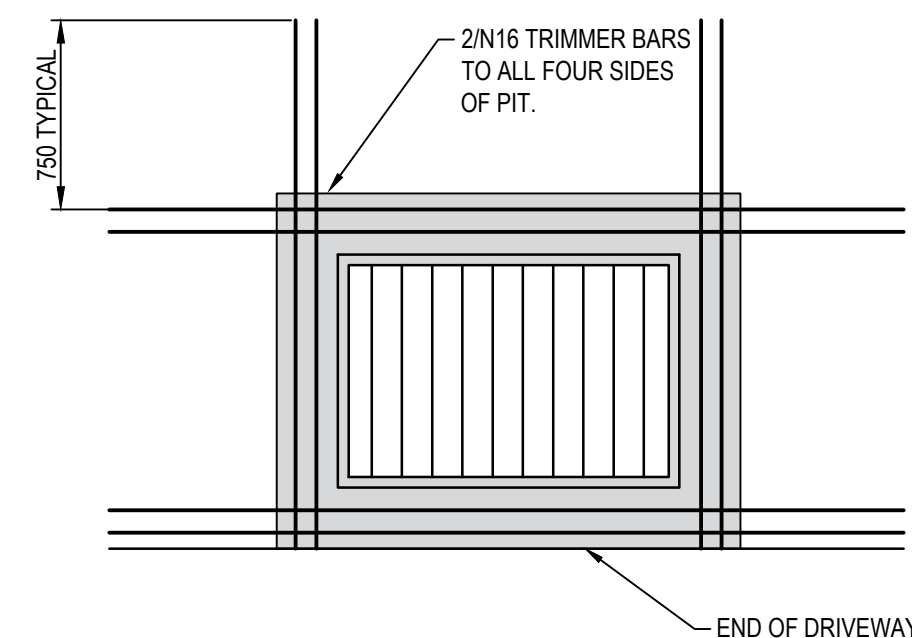
**AS CONSTRUCTED**



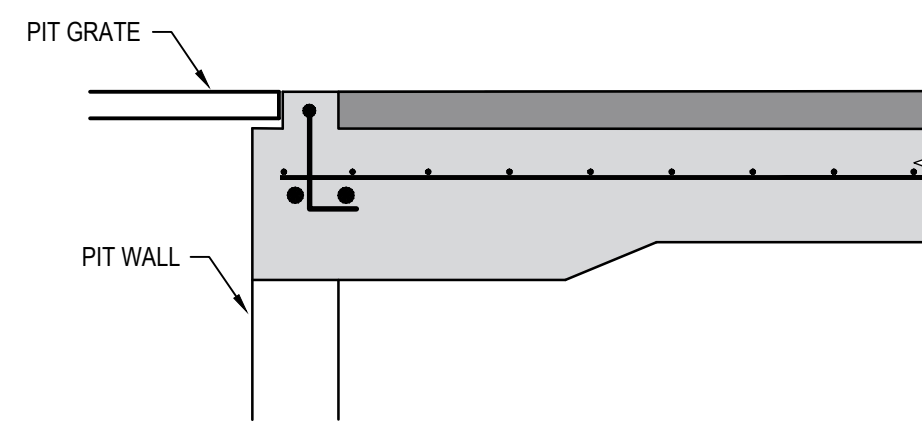


**AS CONSTRUCTED**

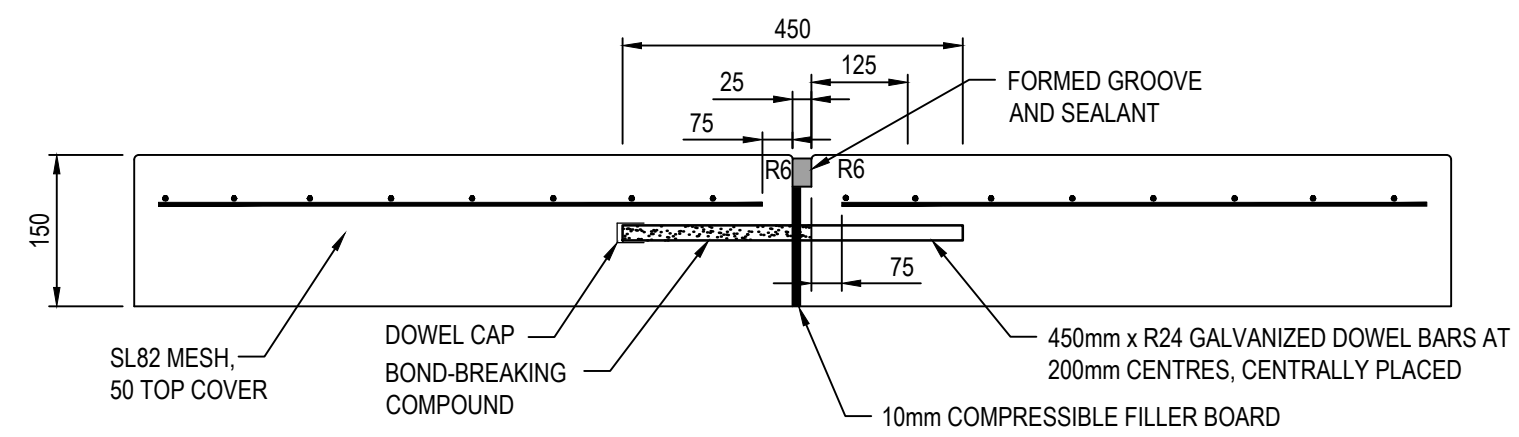
				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		MELWAY REF. 354-C-12 SURVEY BPD DESIGN J.B. DRAWN I.W.		MUNICIPALITY <b>MELTON</b> REFERENCE <b>8226 E/33</b>	
AMENDMENTS A 22.02.23 CONSTRUCTION ISSUE		CHECKED C. HAGAN		SCALE AS SHOWN DATUM AHD DATE APRIL 2022 SHEET 04 OF 22	
VER DATE REMARKS		CHECKED C. HAGAN		DATE APRIL 2022 SHEET 04 OF 22	
<b>ASPIRE ESTATE STAGE 33 GENERAL DETAILS</b>					



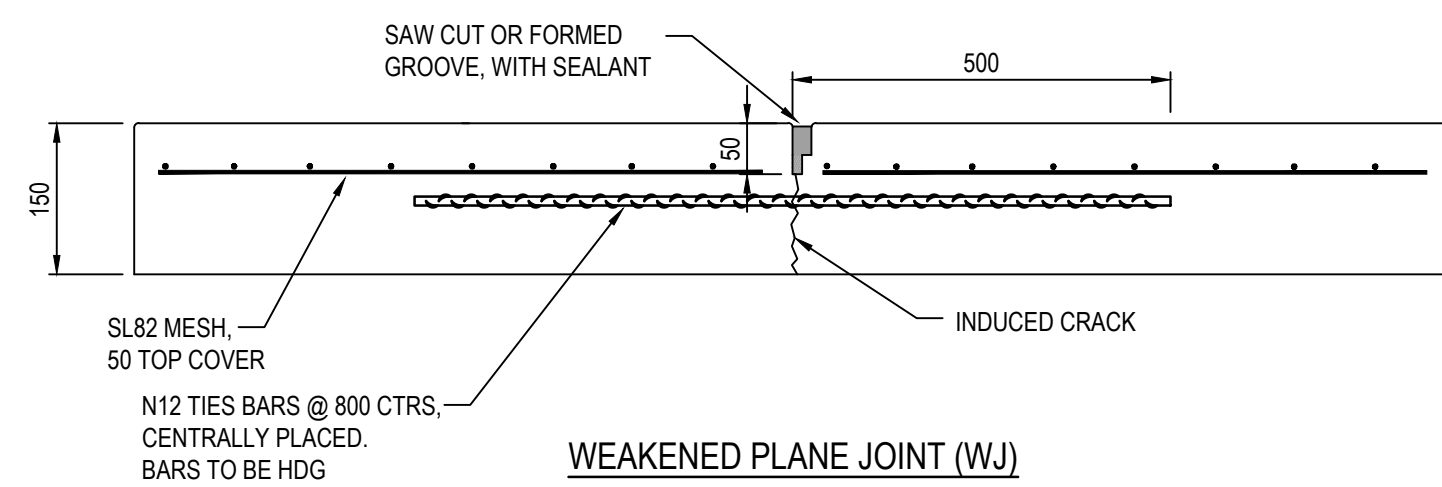
PIT DETAIL



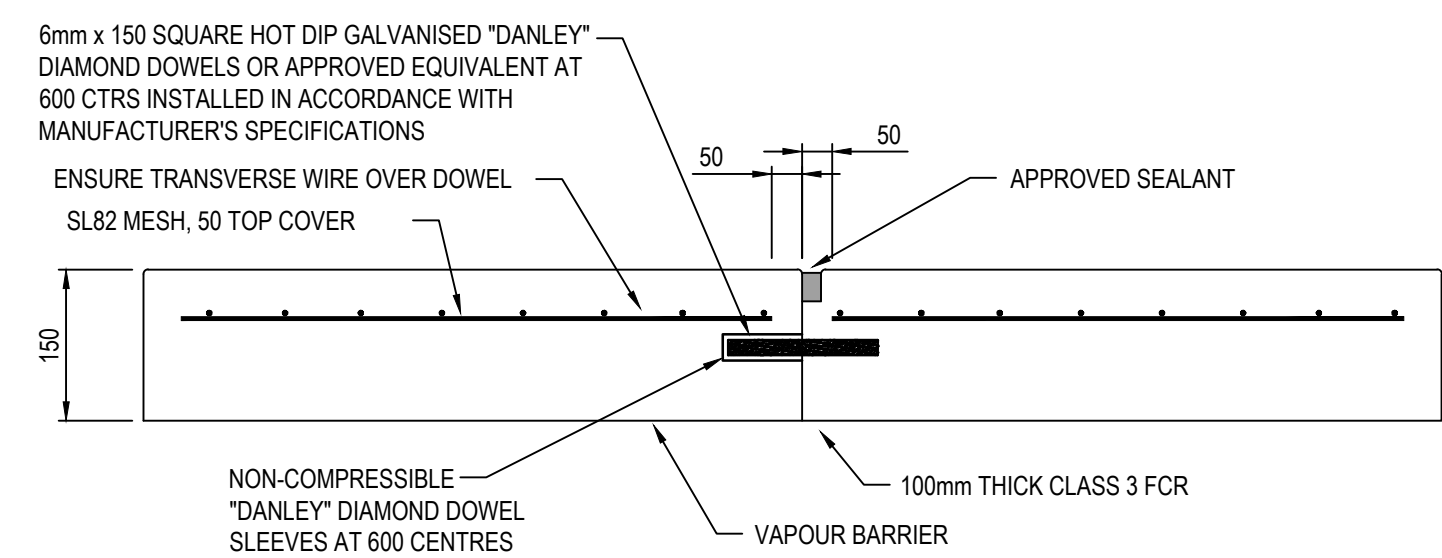
PIT SECTION



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



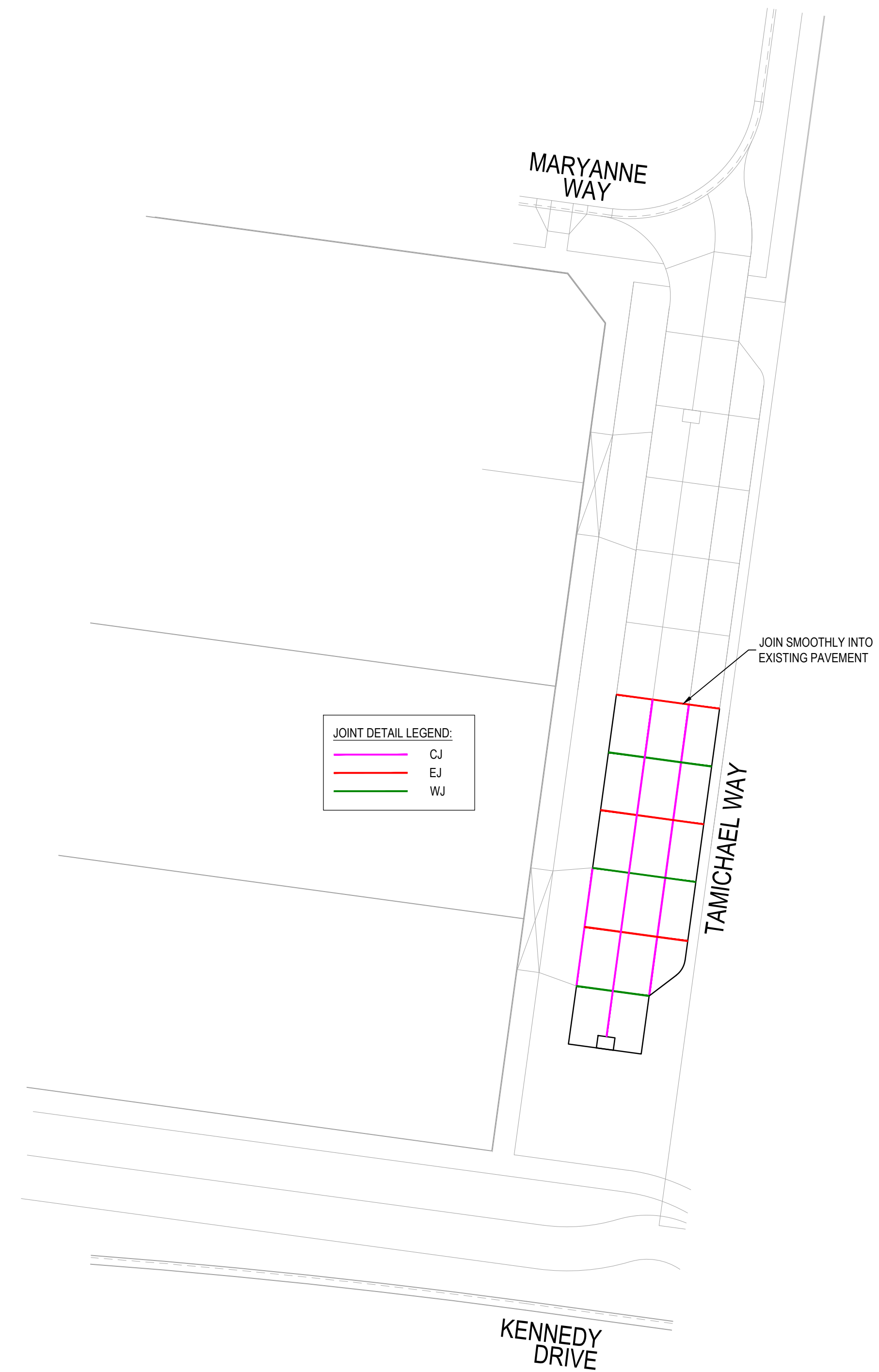
WEAKENED PLANE JOINT (WJ)



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

CONCRETE JOINTING DETAILS

NOT TO SCALE

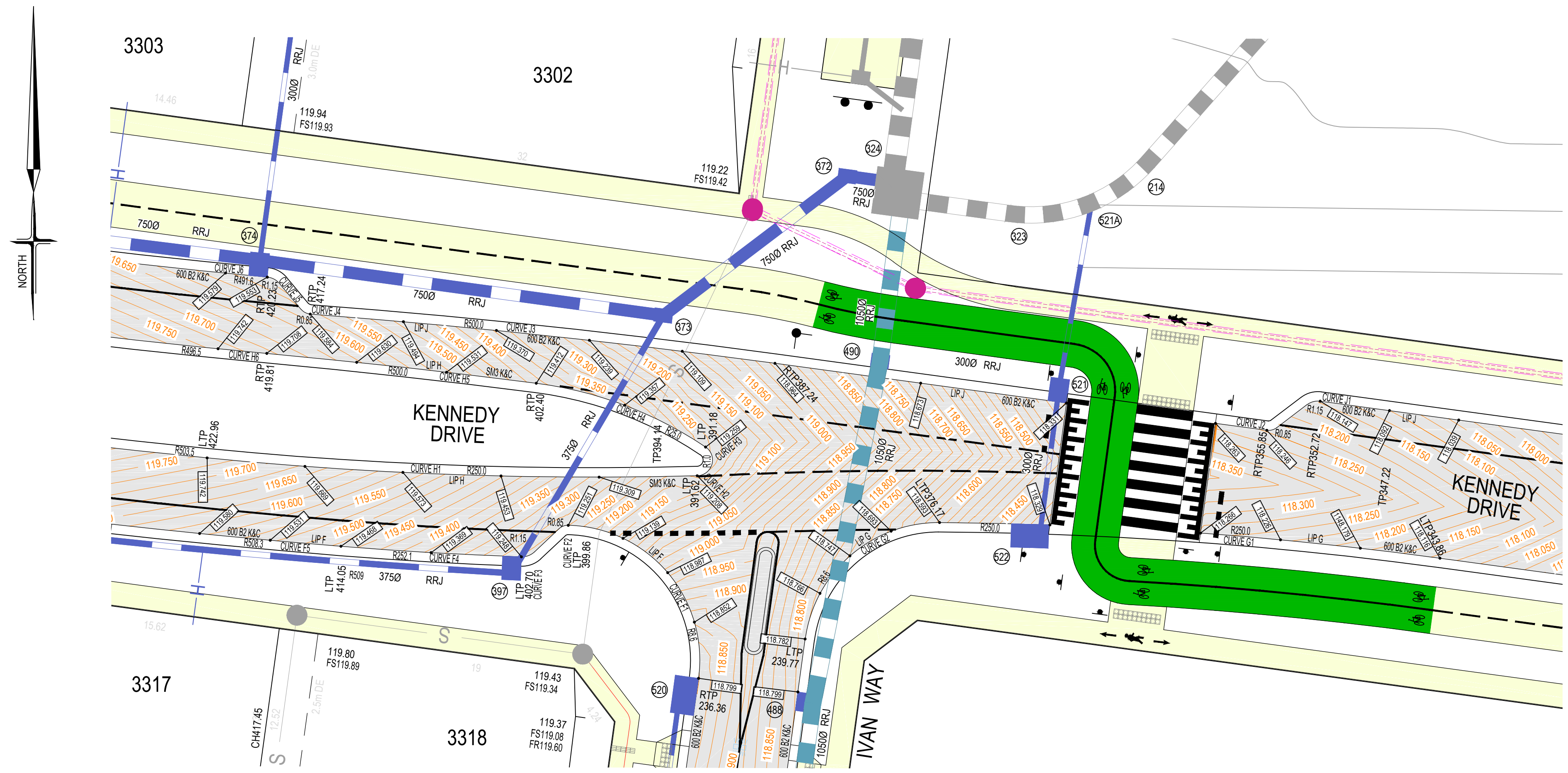


TAMICHAEL WAY JOINT LOCATIONS & TYPES NOT TO SCALE

**AS CONSTRUCTED**

		 land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
				MELWAY REF. 356-C-1	MUNICIPALITY MELTON
		SURVEY BPD		REFERENCE 8226 E/33	
B		31.08.23	CONCRETE DETAILS UPDATED	DESIGN J.B	
A		22.02.23	CONSTRUCTION ISSUE	DRAWN I.W	
VER	DATE	REMARKS		CHECKED C. HAGAN	SCALE AS SHOWN DATUM AHD DATE APRIL 2022 SHEET 05 OF 22 B





CURVE SETOUT F1 DETAILS					CURVE SETOUT F2 DETAILS					CURVE SETOUT F3 DETAILS					CURVE SETOUT F4 DETAILS					CURVE SETOUT F5 DETAILS									
I	96.435	R	8.600	Arc	14.475	I	44.619	R	0.850	Arc	0.662	I	45.289	R	1.150	Arc	0.909	I	262.100	R	11.541	Arc	11.541	I	1.021	R	508.344	Arc	9.058
A	2.870	B	2.120	X	3.513	A	0.064	B	0.048	X	0.164	A	0.066	B	0.066	X	0.226	A	0.050	B	0.050	X	2.885	A	0.020	B	0.015	X	2.264
Y	2.900	I	3.619	Mid Level	118.987	Y	0.158	I	0.165	Mid Level	119.251	Y	0.217	I	0.227	Mid Level	119.241	Y	2.885	I	2.885	Mid Level	119.369	Y	2.264	I	2.264	Mid Level	119.531

CURVE SETOUT G1 DETAILS					CURVE SETOUT G2 DETAILS						
I	7.344	R	250.000	Arc	32.046	I	82.608	R	8.600	Arc	12.399
A	0.513	B	0.385	X	8.010	A	2.140	B	1.587	X	3.033
Y	8.002	I	8.012	Mid Level	118.306	Y	2.643	I	3.100	Mid Level	118.748

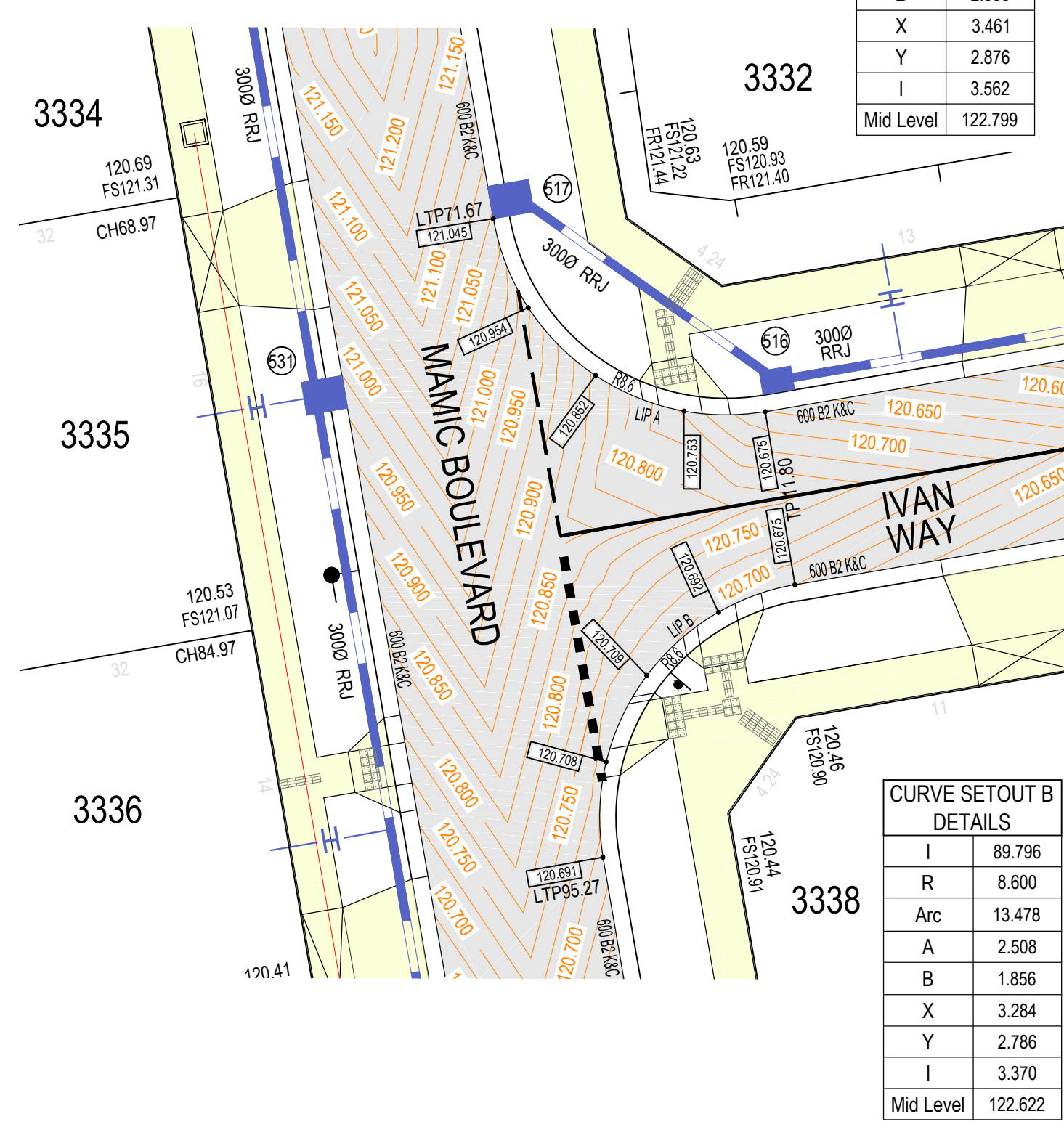
CURVE SETOUT H1 DETAILS					CURVE SETOUT H2 DETAILS					CURVE SETOUT H3 DETAILS					CURVE SETOUT H4 DETAILS					CURVE SETOUT H5 DETAILS					CURVE SETOUT H6 DETAILS				
I	7.180	R	250.000	Arc	31.327	I	72.239	R	1.000	Arc	1.261	I	72.239	R	1.000	Arc	1.261	I	25.000	R	11.659	Arc	11.659	I	1.984	R	500.000	Arc	17.309
A	0.491	B	0.368	X	7.830	A	0.192	B	0.143	X	0.310	A	0.677	B	0.507	X	2.908	A	0.075	B	0.056	X	4.327	A	0.075	B	0.056	X	4.327
Y	7.823	I	7.832	Mid Level	119.516	Y	0.279	I	0.315	Mid Level	119.221	Y	2.869	I	2.915	Mid Level	119.357	Y	2.908	I	4.327	Mid Level	119.584	Y	4.327	I	4.327	Mid Level	119.726

CURVE SETOUT J1 DETAILS					CURVE SETOUT J2 DETAILS					CURVE SETOUT J3 DETAILS					CURVE SETOUT J4 DETAILS					CURVE SETOUT J5 DETAILS					CURVE SETOUT J6 DETAILS				
I	44.998	R	1.150	Arc	0.903	I	44.999	R	0.850	Arc	0.668	I	3.149	R	500.000	Arc	29.836	I	45.817	R	0.850	Arc	0.680	I	44.783	R	1.150	Arc	0.899
A	0.088	B	0.065	X	0.224	A	0.065	B	0.048	X	0.166	A	0.223	B	0.167	X	7.459	A	0.067	B	0.050	X	0.169	A	0.087	B	0.065	X	0.223
Y	0.216	I	0.226	Mid Level	118.153	Y	0.159	I	0.167	Mid Level	118.243	Y	7.457	I	7.459	Mid Level	119.304	Y	0.162	I	0.170	Mid Level	119.588	Y	0.215	I	0.225	Mid Level	119.553

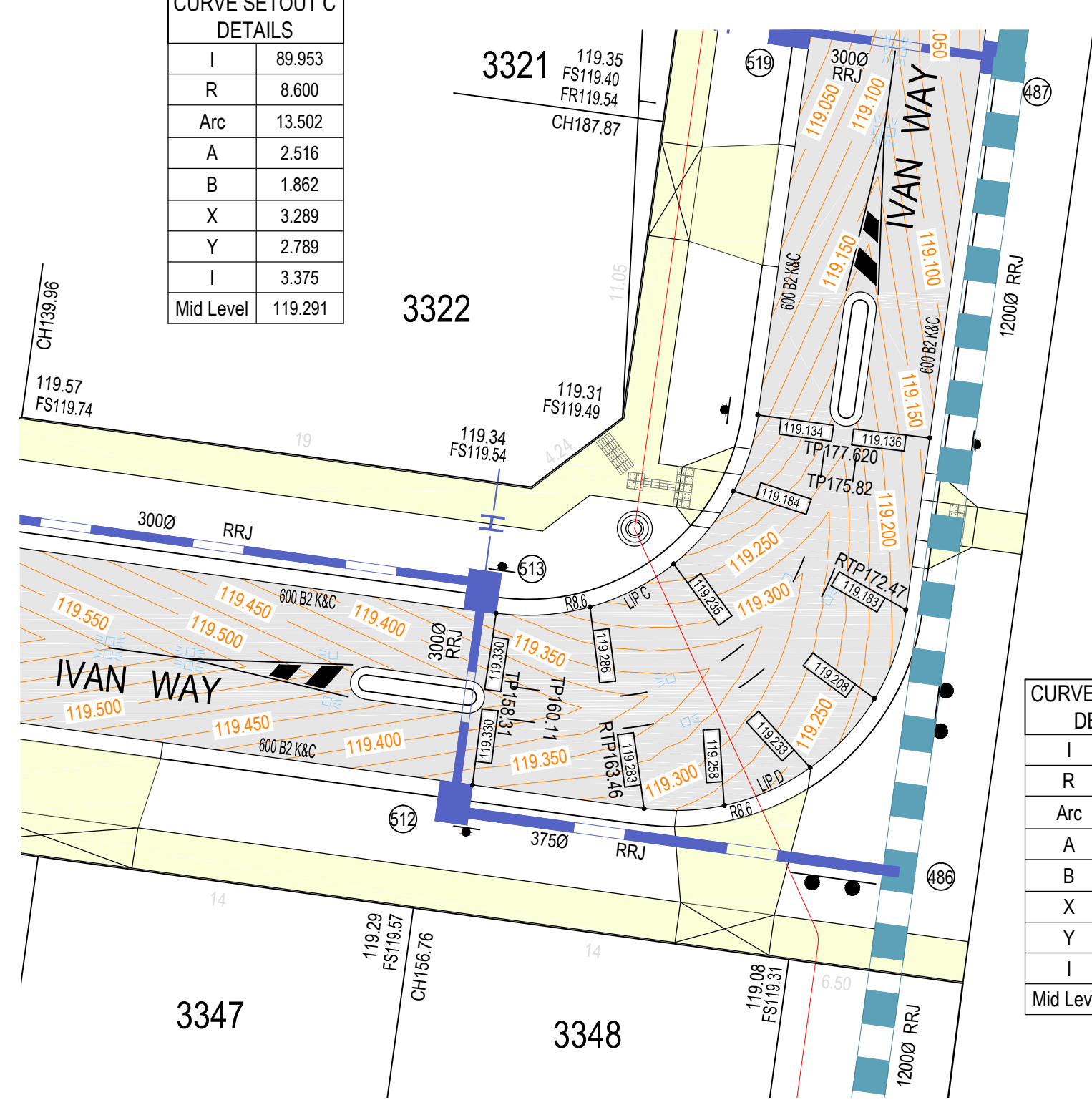
CURVE SETOUT A DETAILS							
I	94.920	R	8.600	Arc	14.247	Mid Level	122.799
A	2.785	B	2.058	X	3.461	Y	2.876
I	3.562	Mid Level	122.799				

CURVE SETOUT C DETAILS							
I	89.953	R	8.600	Arc	13.502	Mid Level	119.291
A	2.516	B	1.862	X	3.289	Y	2.789
I	3.375	Mid Level	119.291				

CURVE SETOUT D DETAILS							
I	89.953	R	8.600	Arc	13.502	Mid Level	119.288
A	2.516	B	1.862	X	3.289	Y	2.789
I	3.375	Mid Level	119.288				

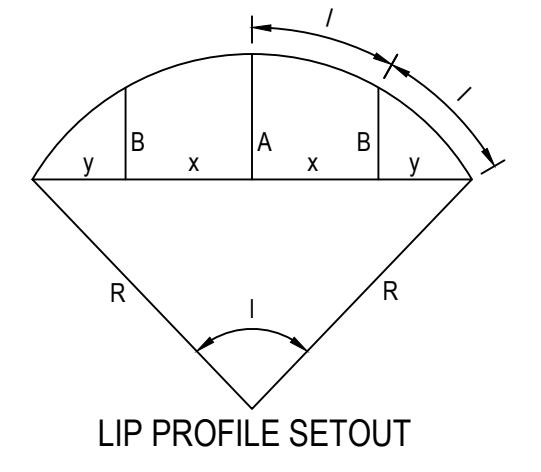


CURVE SETOUT B DETAILS							
I	89.796	R	8.600	Arc	13.478	Mid Level	122.622
A	2.508	B	1.856	X	3.284	Y	2.786
I	3.370	Mid Level	122.622				



**NOTES**

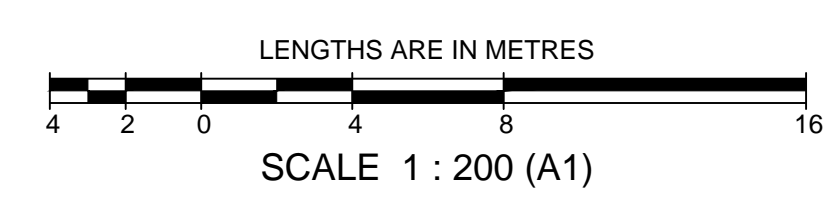
- a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.
- b) INDICATES UNIDIRECTIONAL & BIDIRECTIONAL RRPMS PLACED AT 6.00m CTS
- c) HAZARD / DIRECTIONAL TGSIS SHOWN THUS AND FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGSIS SHALL CONFORM TO AS1428.4
- d) PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THUS: SURFACE TREATMENT MUST COMPLY 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)



SYMBOL LEGEND		SYMBOL LEGEND	
	Prop Stage		Ex/Natural/FS Level
	Main Drains		FS @ Building Line
	Sewer < 3000		Top/Toe of Batter
	Sewer >= 3000		Top Ret. Wall Level
	Water (DW)		100yr Flood Level
	Water (NDW)		FL28.57
	House Drain		Fill Proposed (<0.3m/±0.3m)
	Property Inlet		Cut Proposed
	Street Sign		Asphalt Surface Prop
	PSM		Concrete Surface Prop (Paths/Driveways/Slabs)
	Rock Ret Wall		Tree To Be Removed
	Sleeper Ret Wall		Tree To Be Retained with Tree Protection Zone (TPZ)
	Conduits 50mm		
	Conduits 100mm		
	Street Tree without/with Passive Irrigation (Refer Detail)		
	Ex Drains		Ex Water DW/NDW
	Ex Sewer/Gas		Ex E - Ex G - Ex T
	Ex Elect/Comm		Ex O
	Ex Optic Fibre		

**AS CONSTRUCTED**

**INTERSECTION DETAILS**  
SCALE 1:200



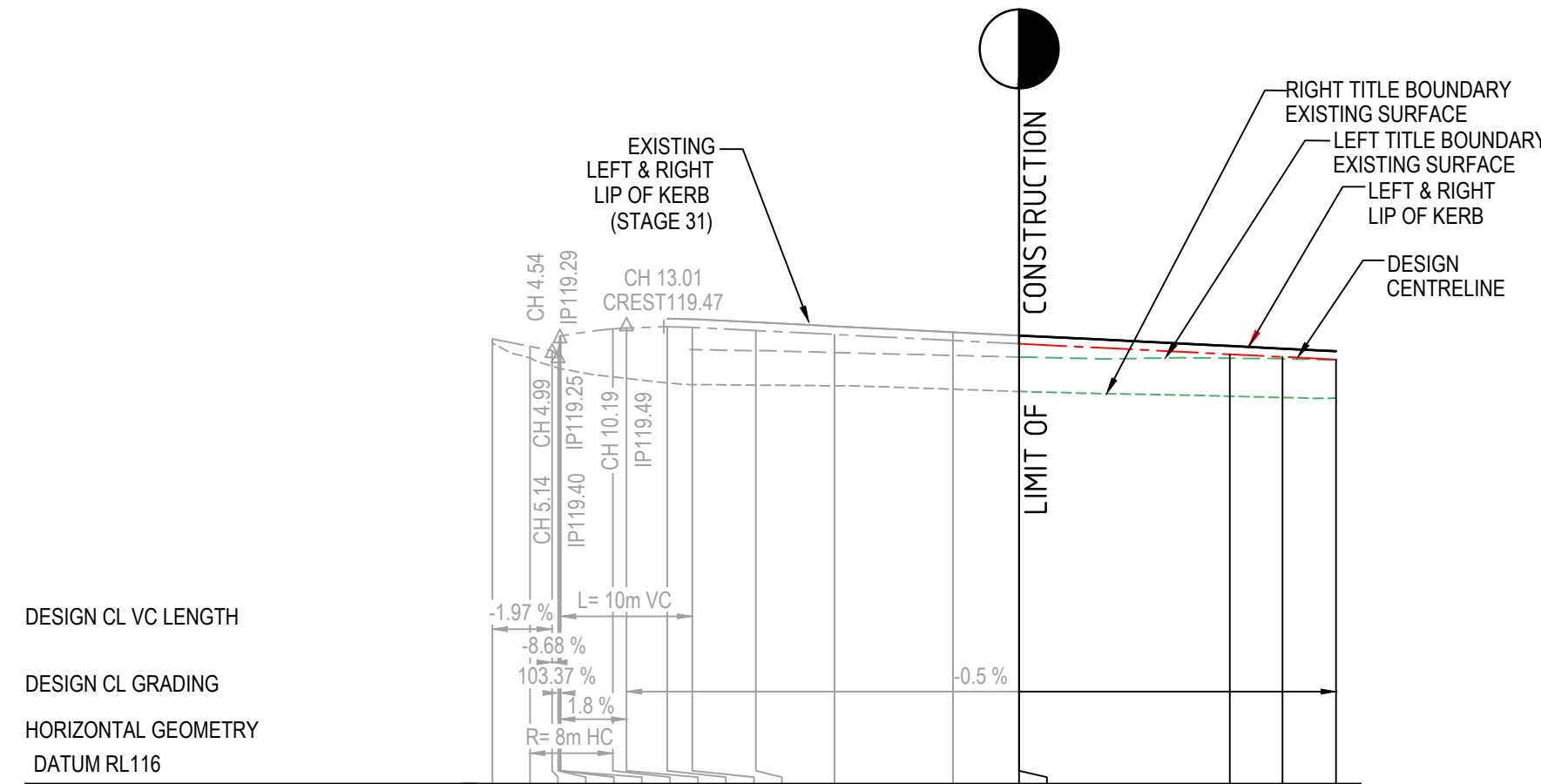
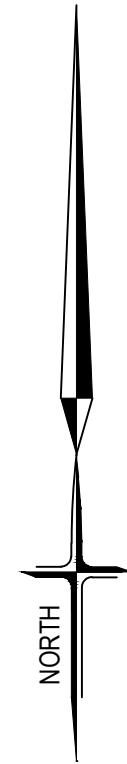
**breese pitt dixon pty. ltd.**  
land surveyors civil engineers

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

MELWAY REF. 356-C-1	<b>ASPIRE ESTATE</b> <b>STAGE 33</b> <b>INTERSECTION DETAIL PLANS</b>	MUNICIPALITY
SURVEY BPD		MELTON
DESIGN J.B	REFERENCE	8226 E/33
DRAWN I.W	SCALE AS SHOWN	DATUM AHD
CHECKED C. HAGAN	DATE APRIL 2022	SHEET 06 OF 22

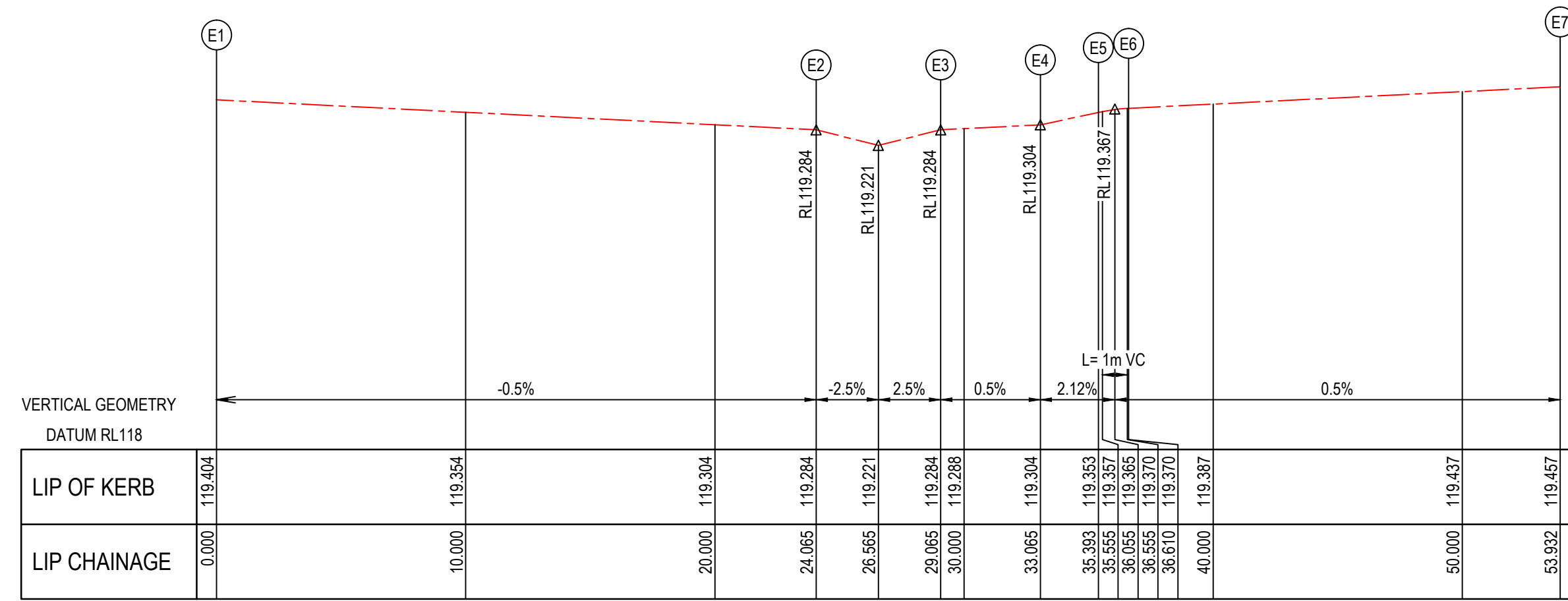
AMENDMENTS	DATE	REMARKS
A	22.02.23	CONSTRUCTION ISSUE



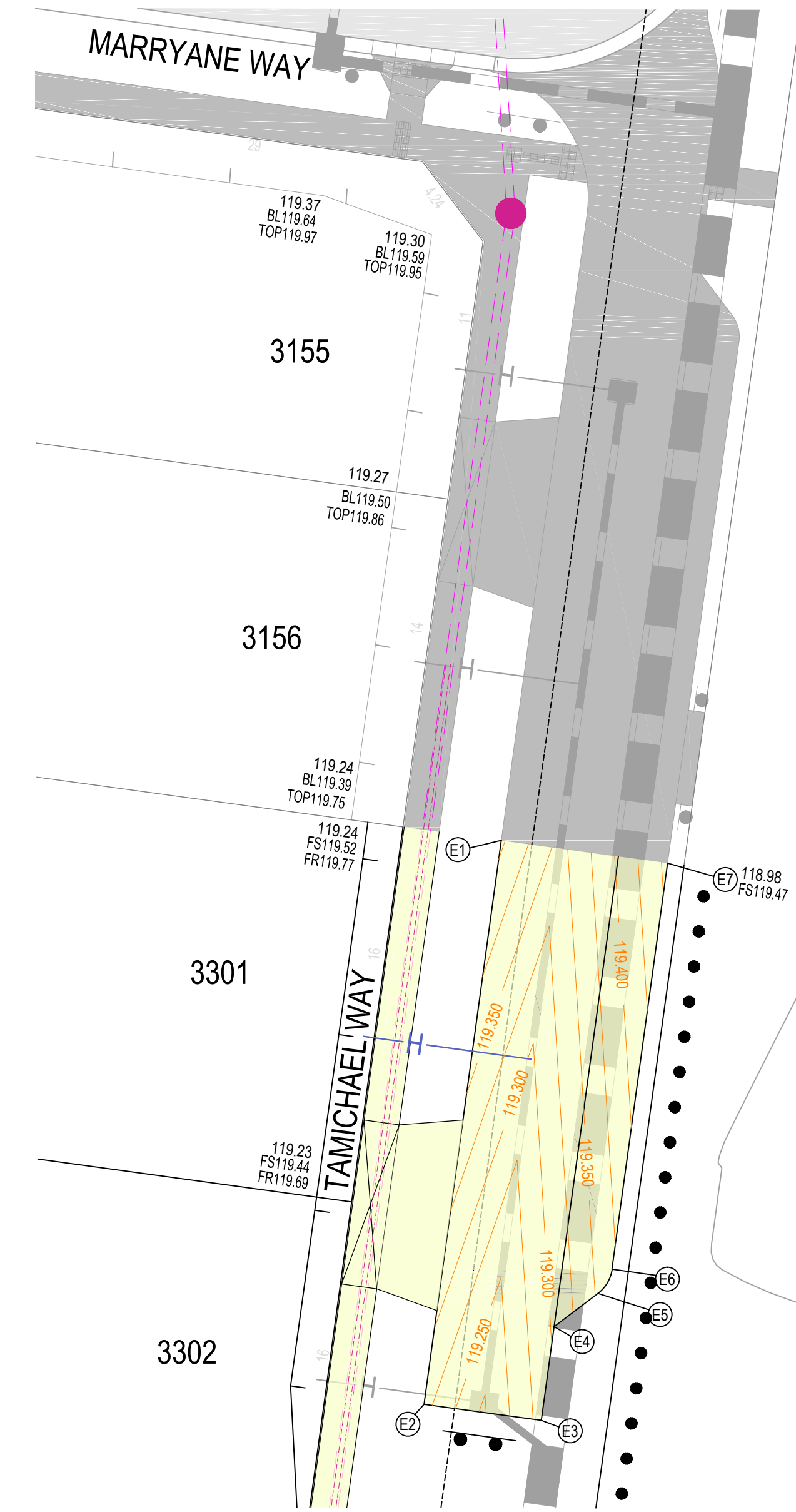


DESIGN CL VC LENGTH	
DESIGN CL GRADING	
HORIZONTAL GEOMETRY DATUM RL116	
ES LEFT TITLE BOUNDARY	119.30
FS LEFT TITLE BOUNDARY	119.30
LEFT LIP OF KERB	119.30
DESIGN CL	119.30
RIGHT LIP OF KERB	119.30
FS RIGHT TITLE BOUNDARY	119.30
ES RIGHT TITLE BOUNDARY	119.30
CHAINAGE DESIGN CL	0.00

POINT	EASTING	NORTHING	LIP LEVEL
1	299183.4108	5824656.249	119.436
2	299180.1451	5824632.407	119.513
3	299185.0989	5824631.729	119.302
4	299185.6417	5824635.692	119.160
5	299187.4959	5824637.099	119.339
6	299188.0944	5824638.123	119.356
7	299190.4451	5824655.286	119.402



TAMICHAEL WAY LONGITUDINAL SECTION

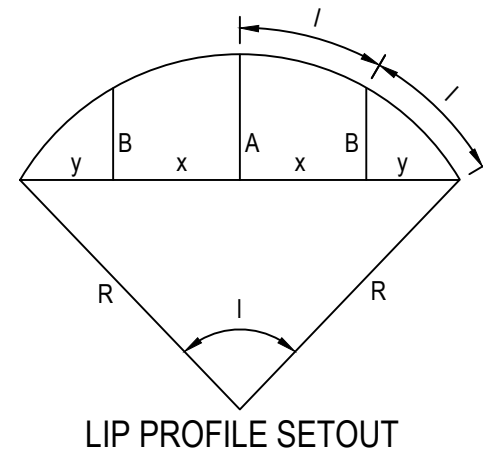


TAMICHAEL WAY INTERSECTION DETAILS

SCALE 1:200

NOTES

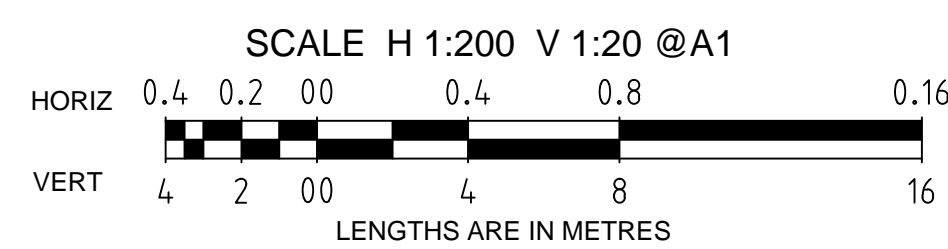
- a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.
- b) [Symbol] [Symbol] INDICATES UNIDIRECTIONAL & BIDIRECTIONAL RRPMS PLACED AT 6.00m CTS
- c) HAZARD / DIRECTIONAL TGS'S SHOWN THIS [Symbol] / [Symbol] AND FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGS'S SHALL CONFORM TO AS1428.4
- d) PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THIS: [Symbol] SURFACE TREATMENT MUST COMPLY 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)



LIP PROFILE SETOUT

LIP Z LONGITUDINAL SECTION

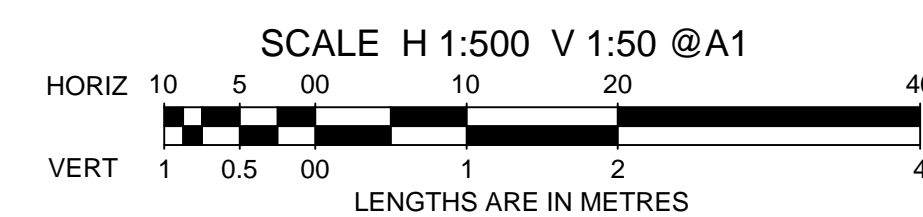
SCALE HORIZONTAL 1:200  
VERTICAL 1:20



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

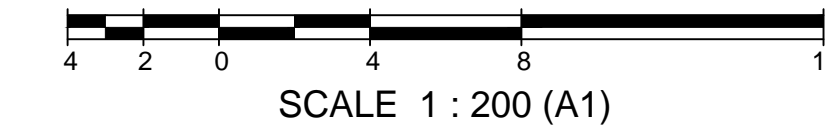
LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500  
VERTICAL 1:50



INTERSECTION DETAILS PLAN

LENGTHS ARE IN METRES

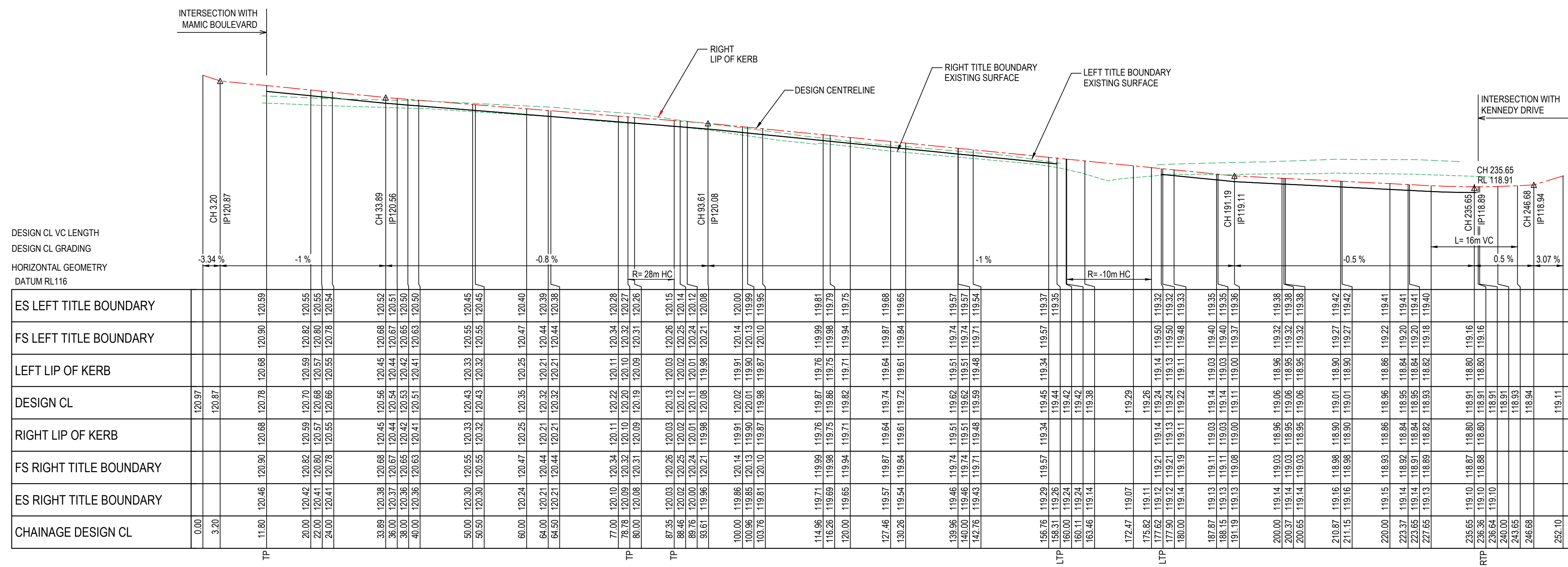


AS CONSTRUCTED

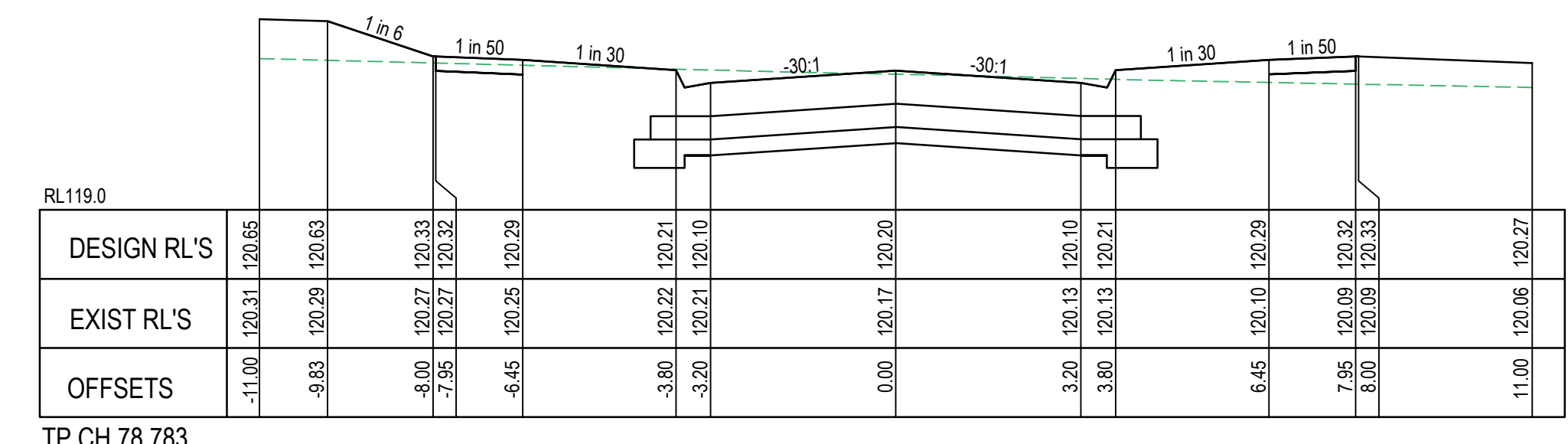
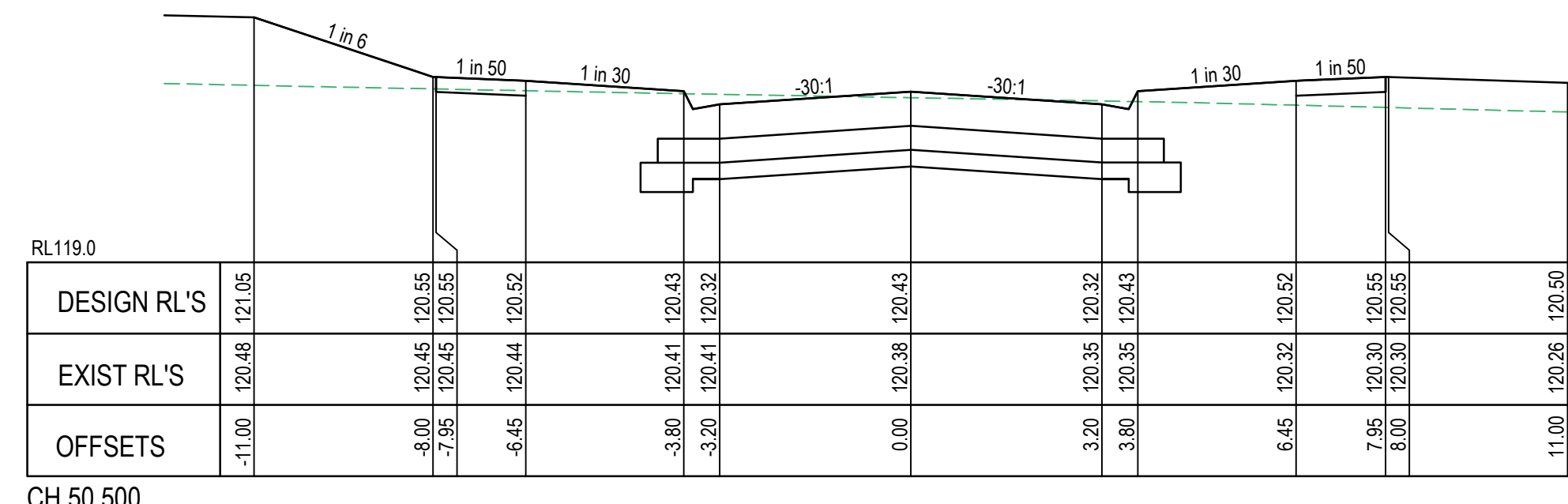
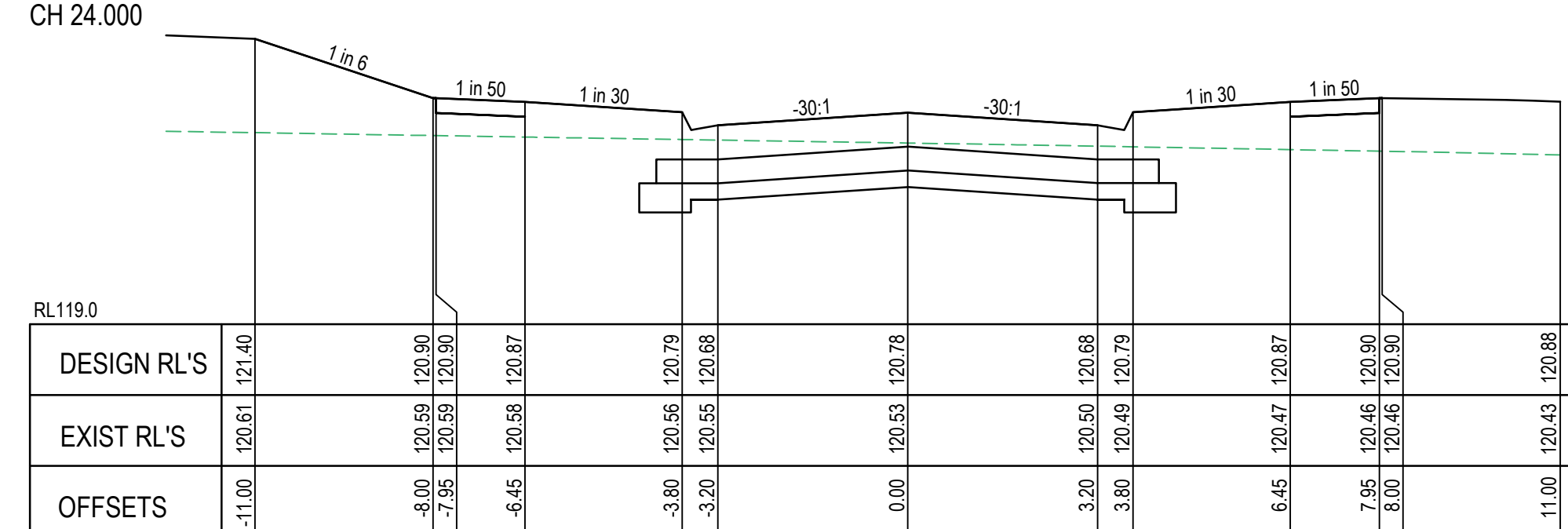
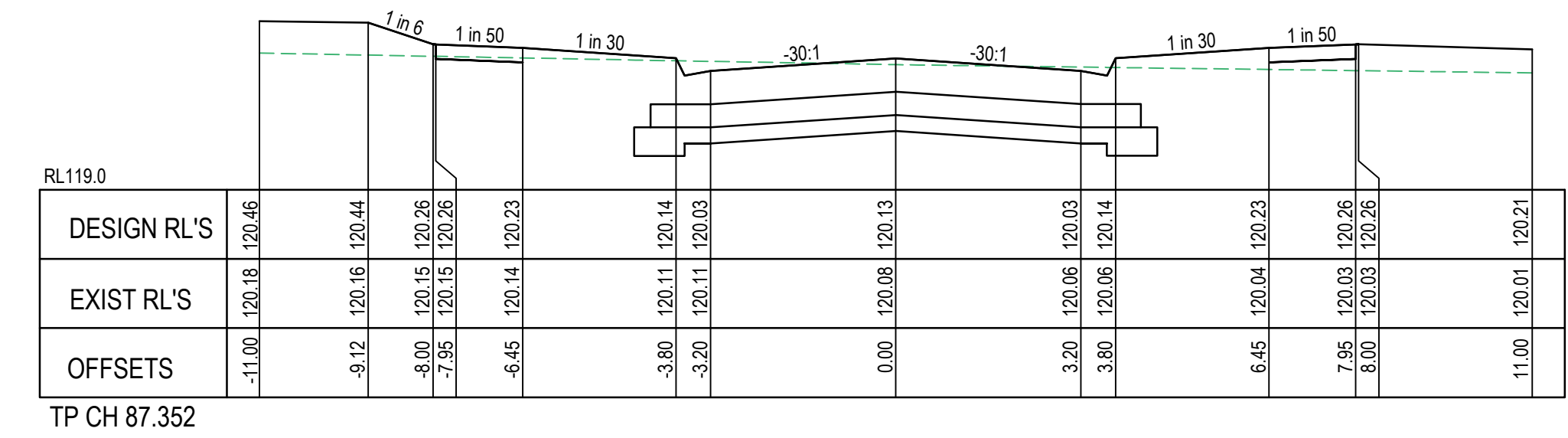
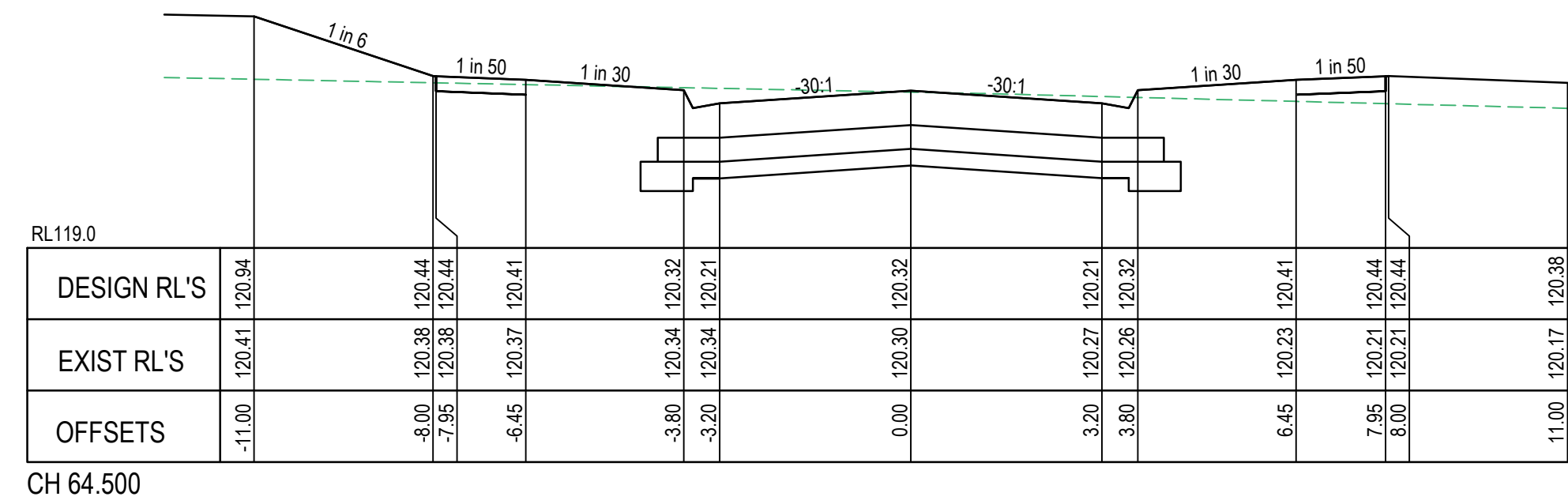
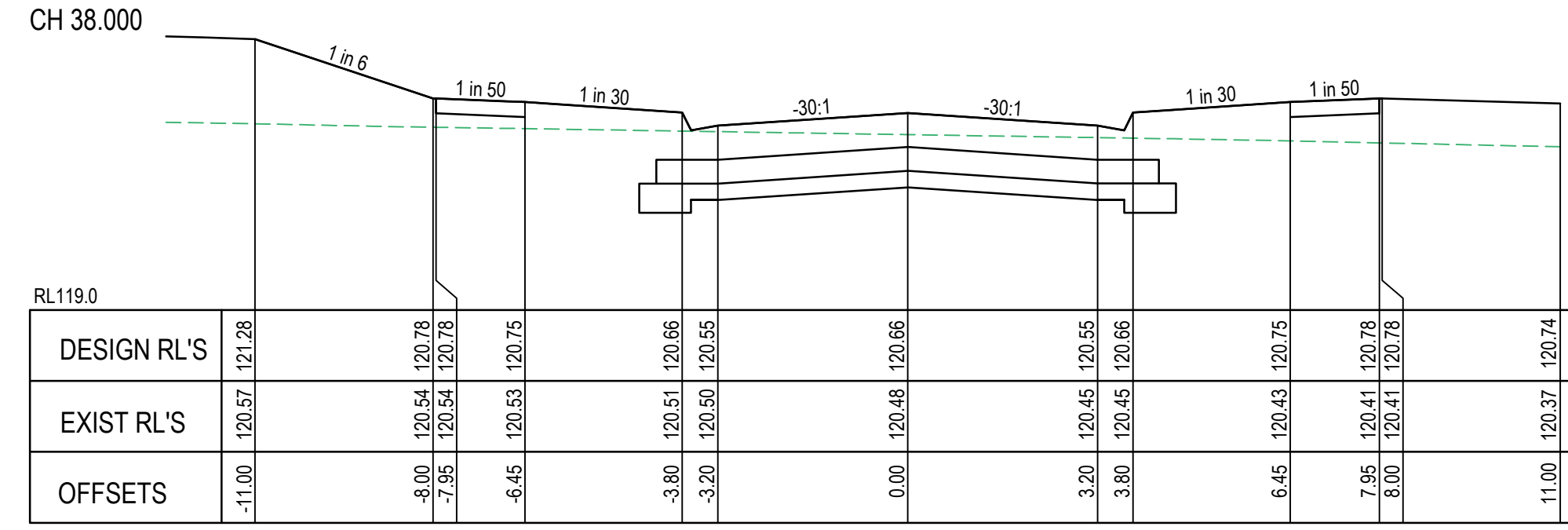
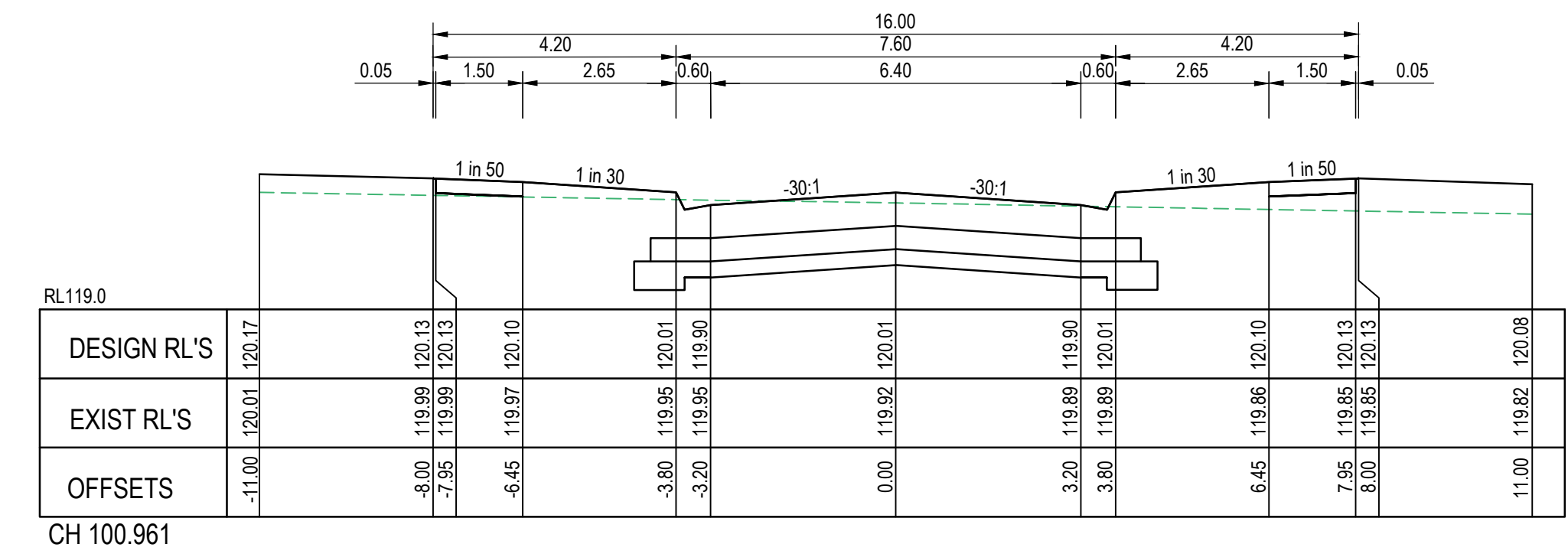
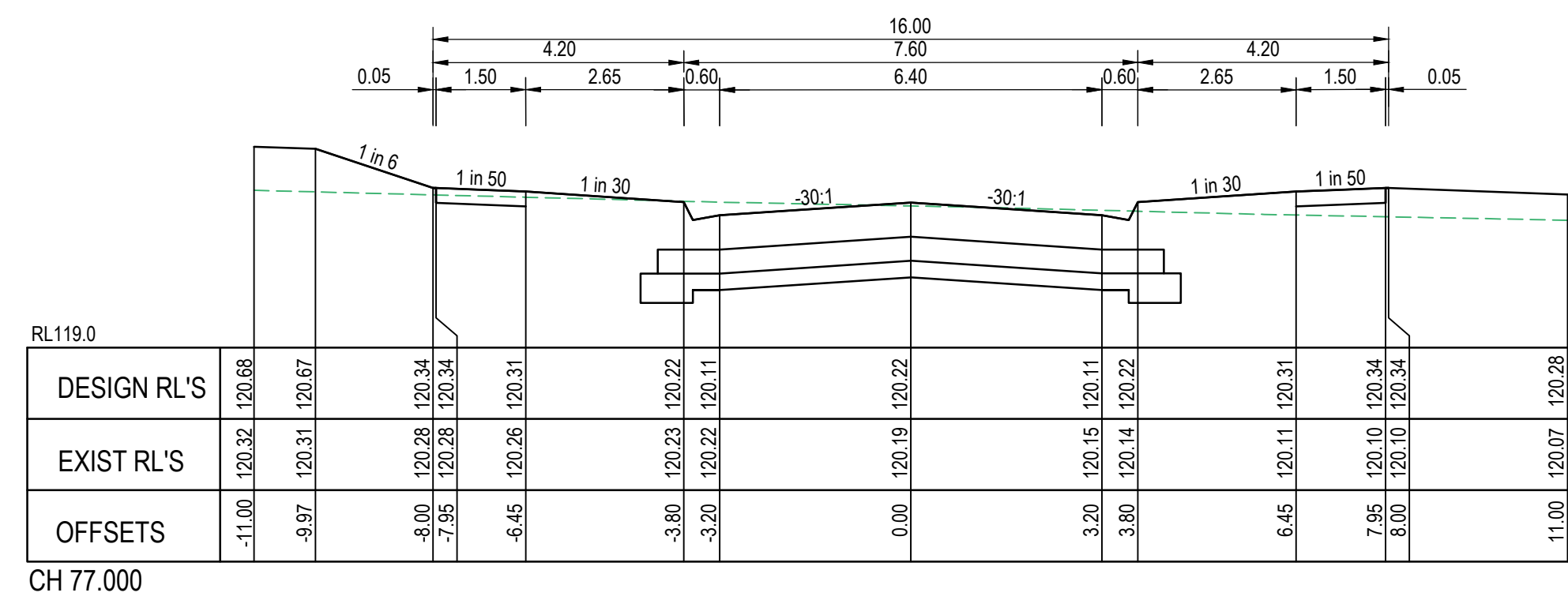
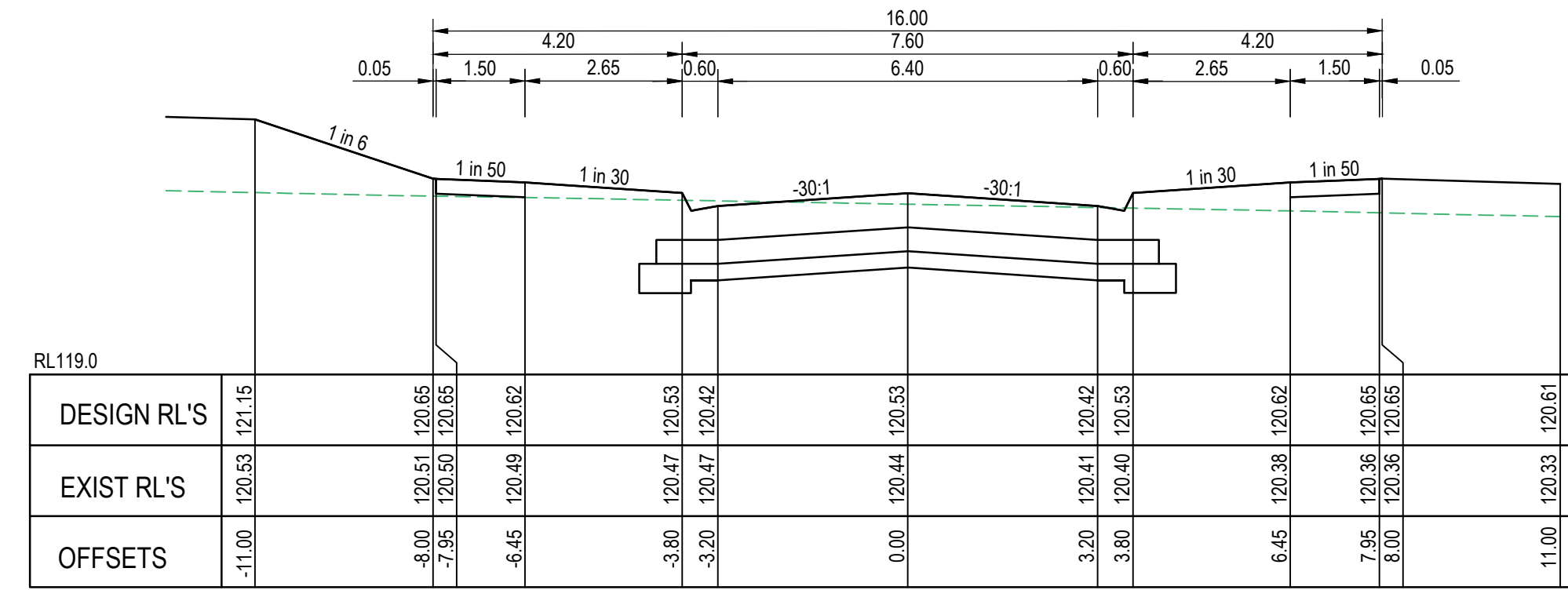
AMENDMENTS		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.	356-C-1	ASPIRE ESTATE STAGE 33 INTERSECTION DETAIL PLANS		MUNICIPALITY MELTON	
SURVEY	BPD	DRAWN I.W.		REFERENCE 8226 E/33	
DESIGN	J.B	CHECKED	C. HAGAN	SCALE	AS SHOWN
DATE	22.02.23	CONSTRUCTION ISSUE	REMARKS	DATUM	AHD
DATE	22.02.23	CONSTRUCTION ISSUE	REMARKS	DATE	APRIL 2022
SHEET	07 OF 22	SHEET	07 OF 22	SHEET	A







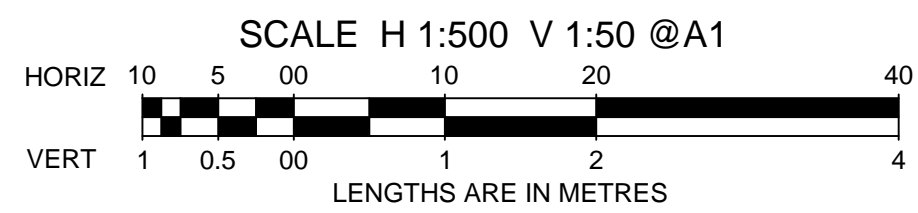
ES LEFT TITLE BOUNDARY	FS LEFT TITLE BOUNDARY	LEFT LIP OF KERB	DESIGN CL	RIGHT LIP OF KERB	FS RIGHT TITLE BOUNDARY	ES RIGHT TITLE BOUNDARY	CHAINAGE DESIGN CL
			120.97				0.00
			120.87				3.20
							11.80
							20.00
							22.00
							24.00
							33.89
							36.00
							40.00
							50.00
							59.50
							60.00
							64.00
							64.50
							77.00
							78.78
							80.00
							87.35
							88.46
							89.76
							93.61
							100.00
							100.96
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							116.26
							120.00
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IVAN WAY

LONGITUDINAL SECTION

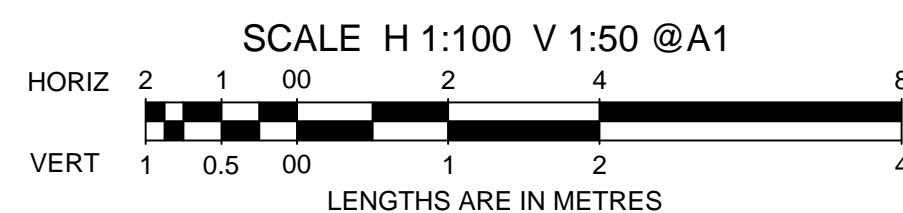
SCALE HORIZONTAL 1:500  
VERTICAL 1:50



AS CONSTRUCTED

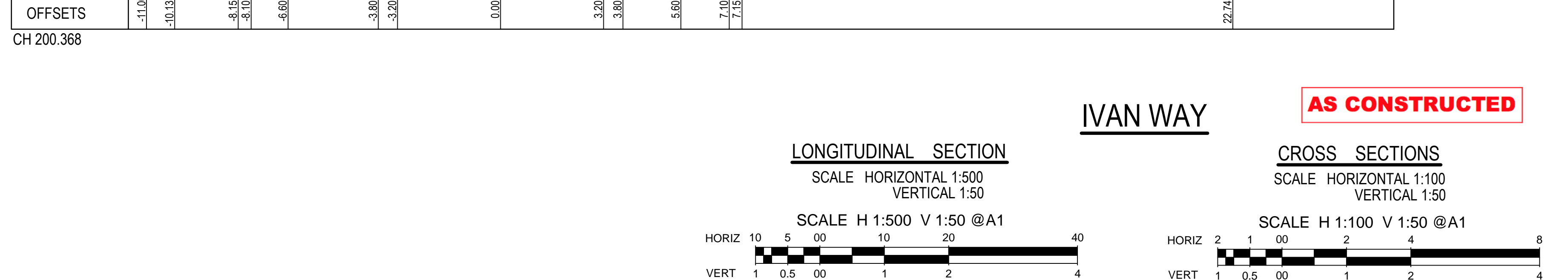
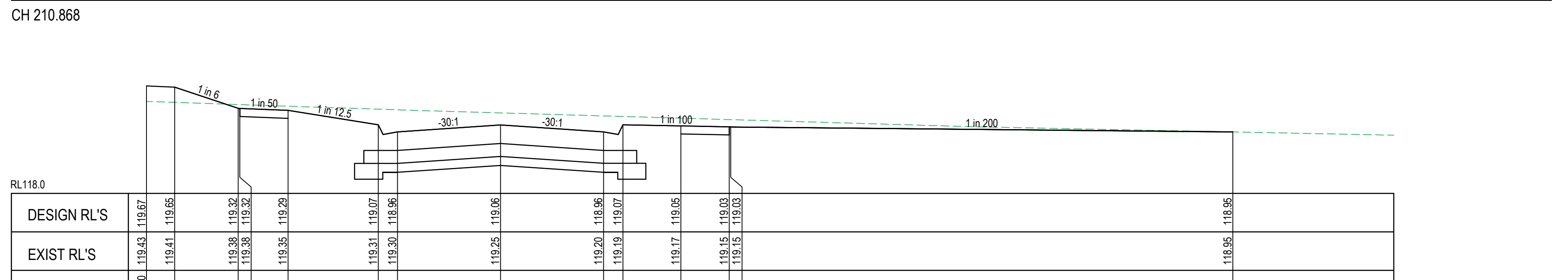
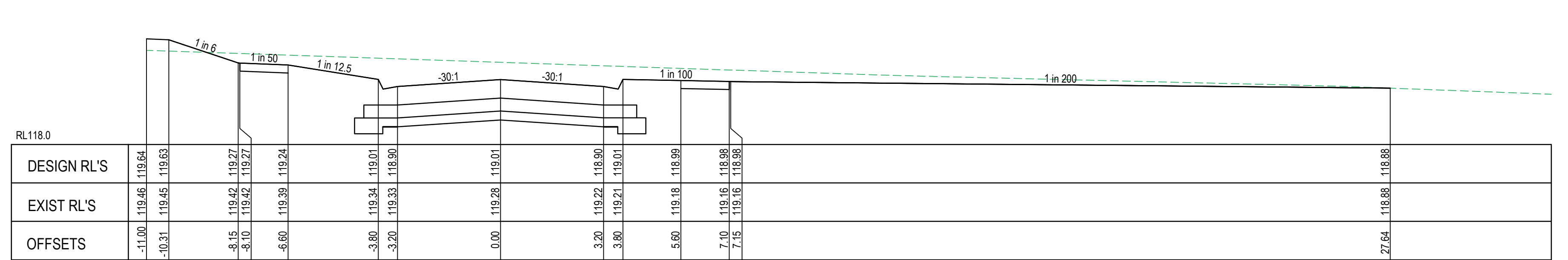
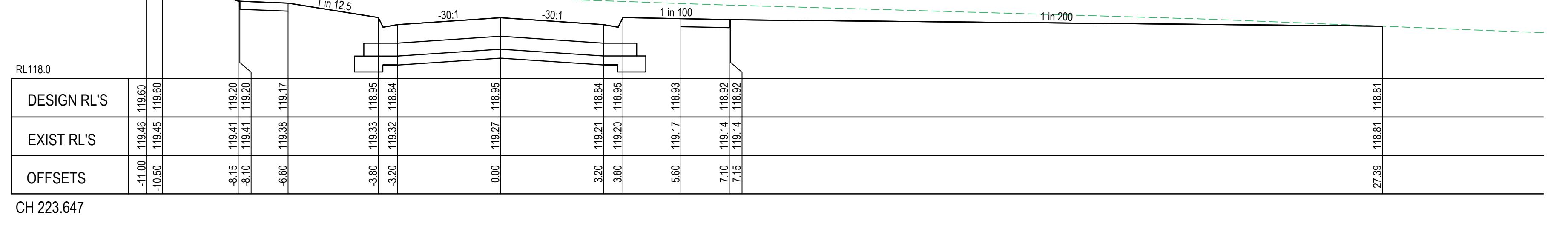
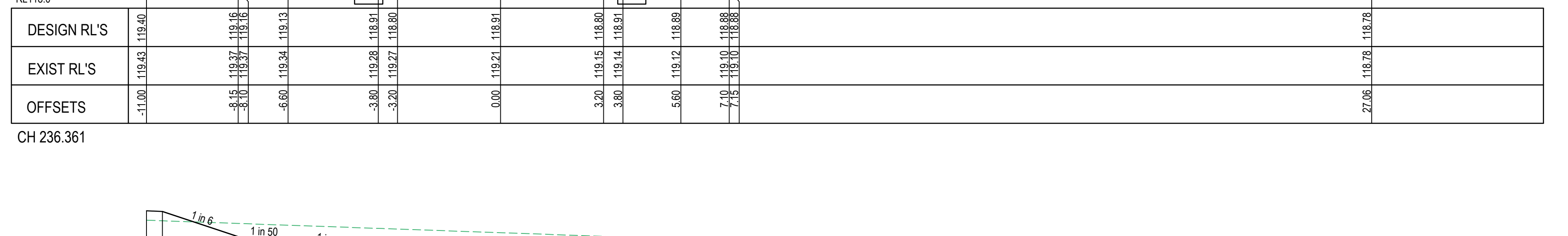
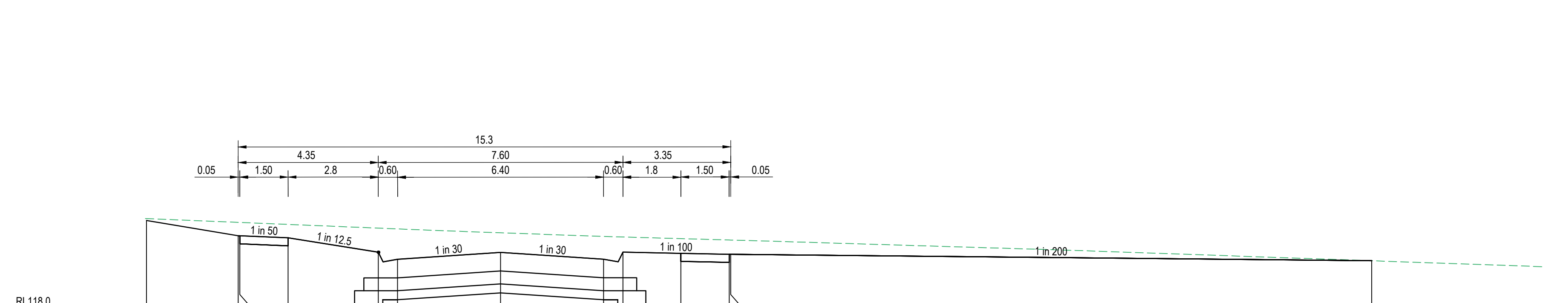
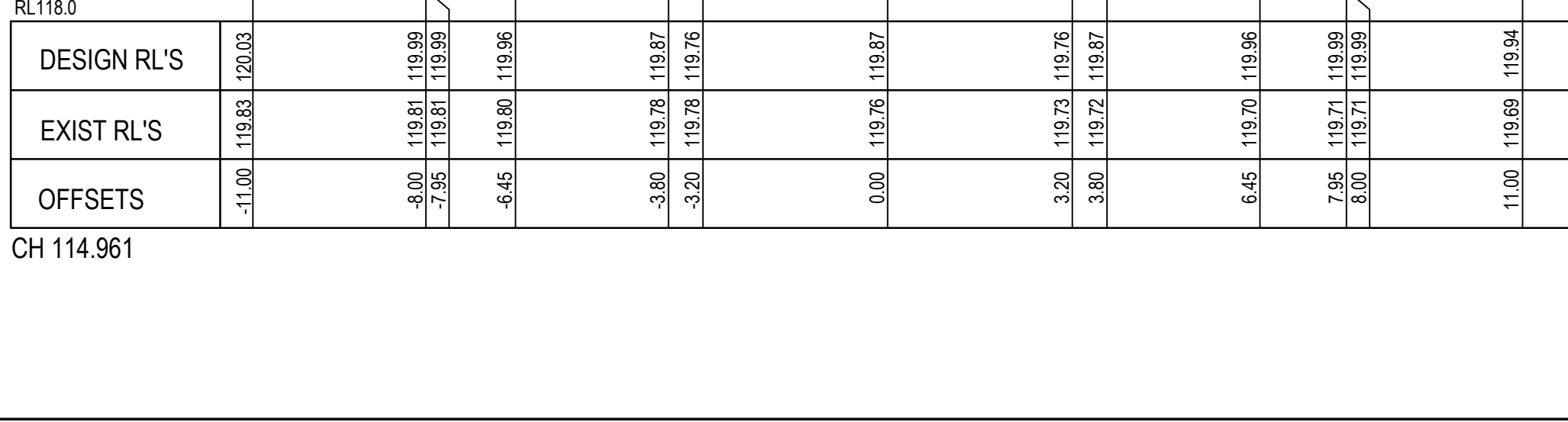
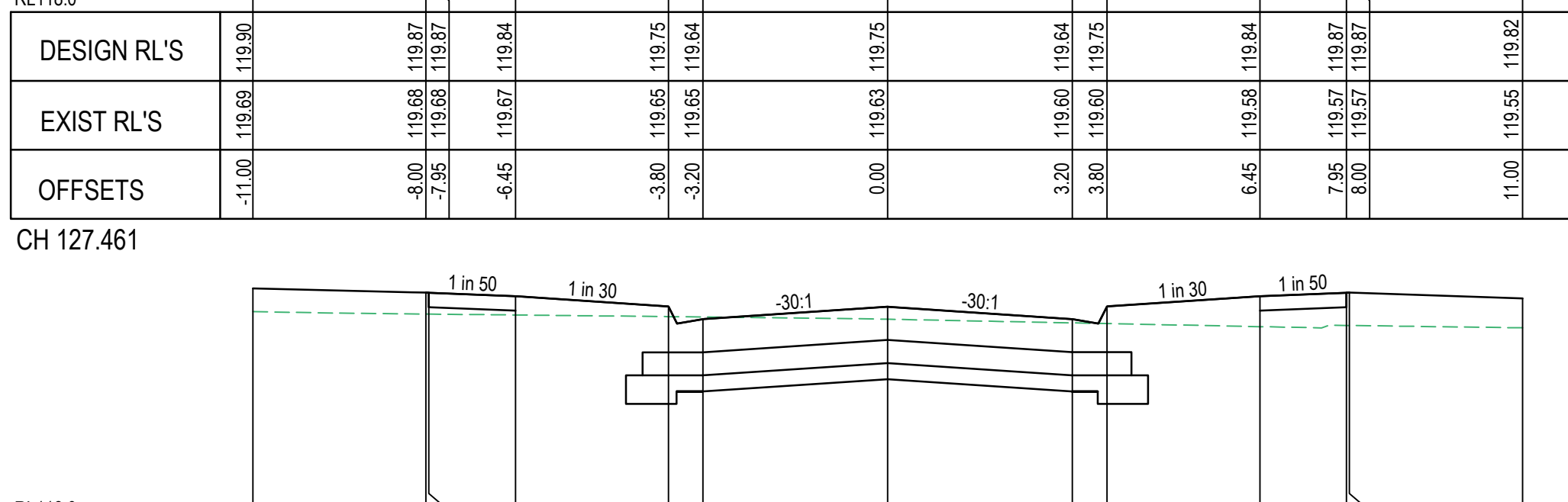
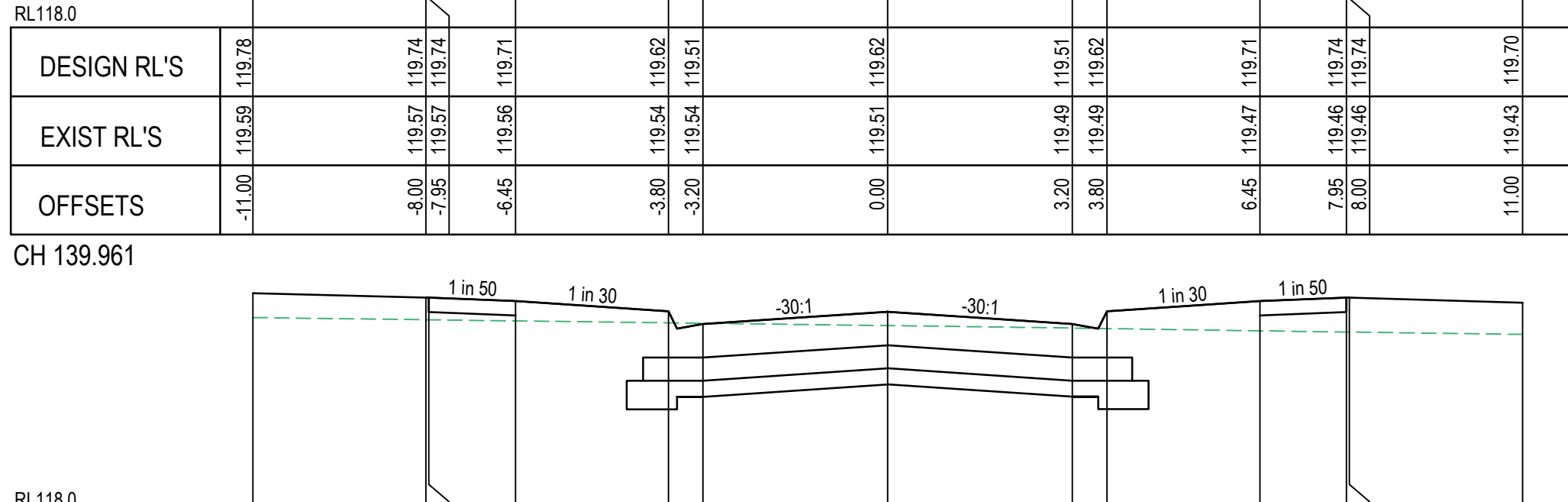
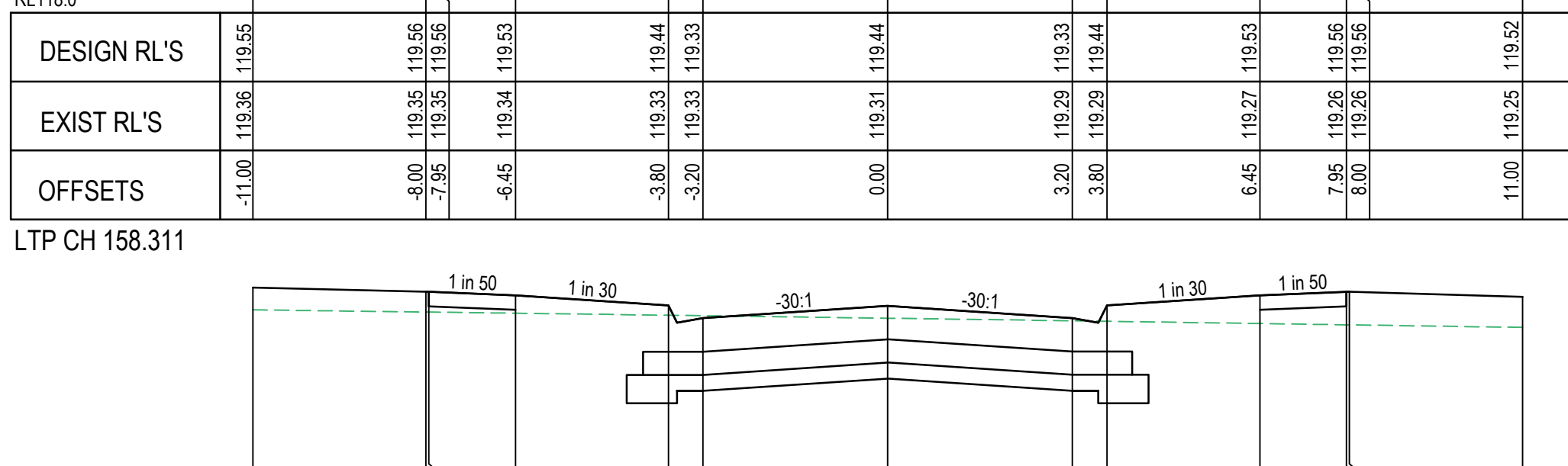
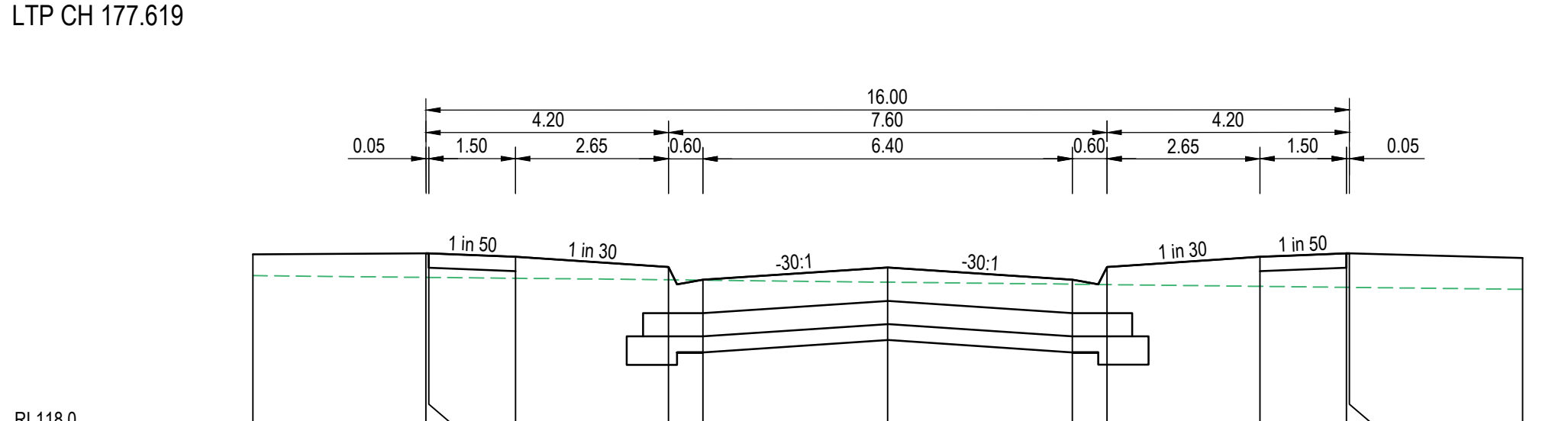
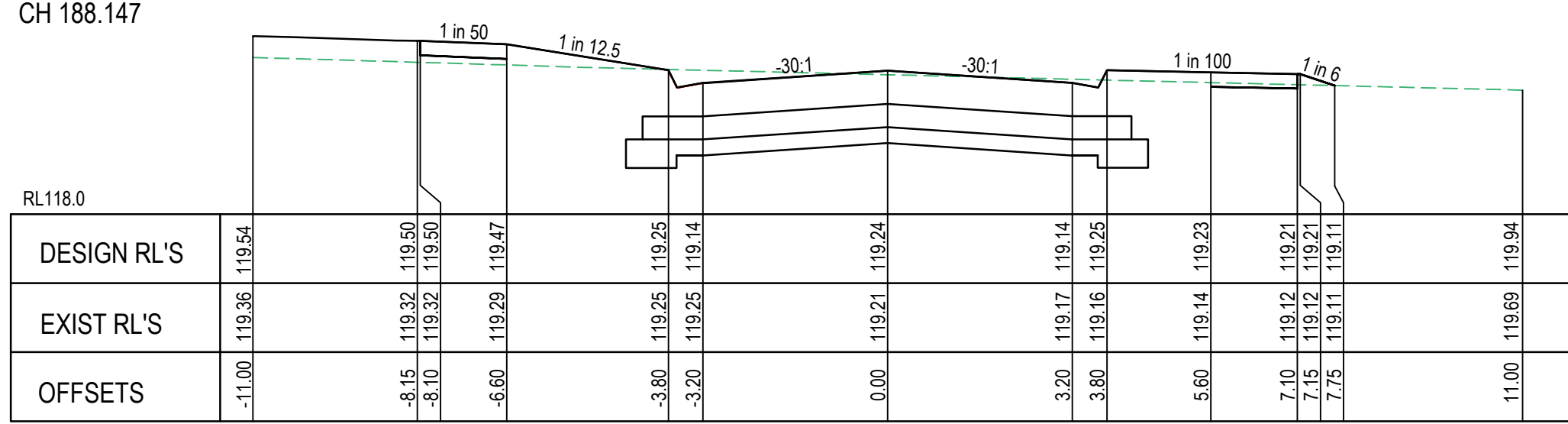
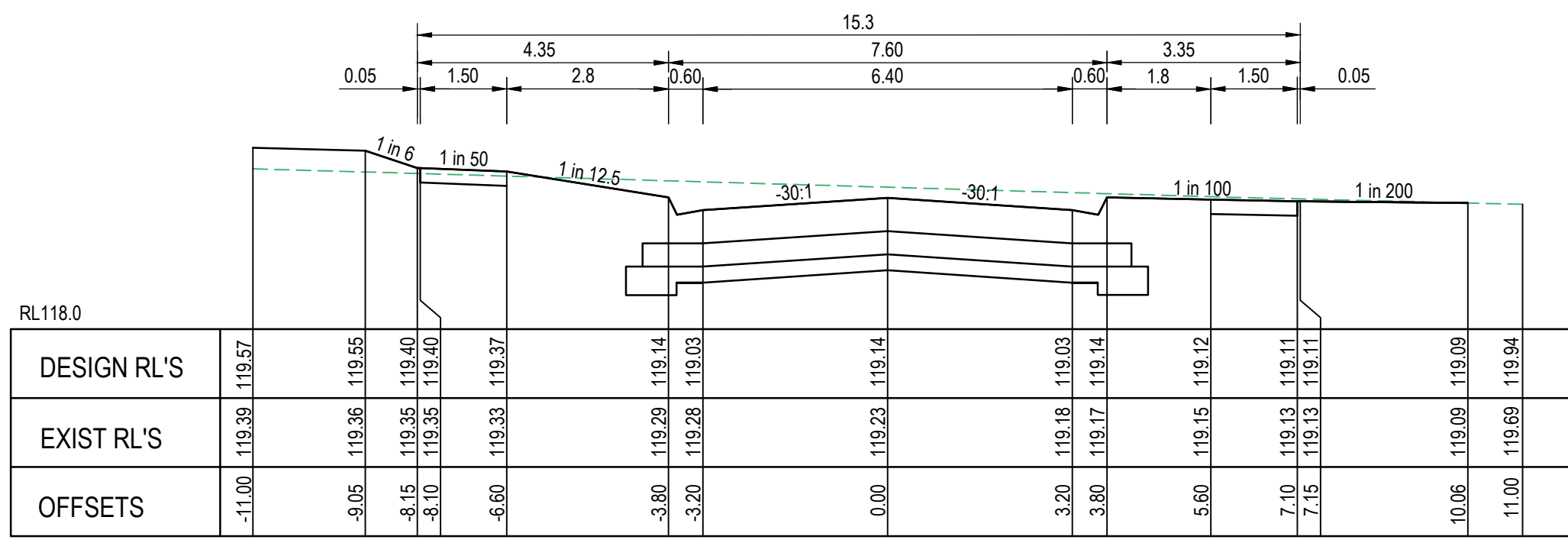
CROSS SECTIONS

SCALE HORIZONTAL 1:100  
VERTICAL 1:50



AMENDMENTS		MELWAY REF. 354-C-12		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
A 22.02.23 CONSTRUCTION ISSUE		SURVEY BPD		ASPIRE ESTATE STAGE 33 IVAN WAY SHEET 1 OF 2		MUNICIPALITY MELTON	
VER DATE		DESIGN J.B				REFERENCE 8226 E/33	
REMARKS		DRAWN I.W		SCALE AS SHOWN DATUM AHD		DATE APRIL 2022 SHEET 09 OF 22 A	
		CHECKED C. HAGAN					





**LONGITUDINAL SECTION**

SCALE HORIZONTAL 1:500  
VERTICAL 1:50

SCALE H 1:500 V 1:50 @A1



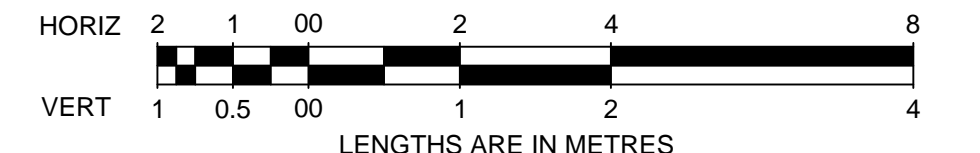
**IVAN WAY**

**AS CONSTRUCTED**

**CROSS SECTIONS**

SCALE HORIZONTAL 1:100  
VERTICAL 1:50

SCALE H 1:100 V 1:50 @A1



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 33 IVAN WAY SHEET 2 OF 2</b>	MUNICIPALITY	MELTON						
	SURVEY	BPD				REFERENCE	8226 E/33						
	DESIGN	J.B											
A	22.02.23	CONSTRUCTION ISSUE	DRAWN	I.W	SCALE	AS SHOWN	DATUM	AHD	DATE	APRIL 2022	SHEET	10 OF 22	A
VER	DATE	REMARKS	CHECKED	C. HAGAN	SCALE	AS SHOWN	DATUM	AHD	DATE	APRIL 2022	SHEET	10 OF 22	A

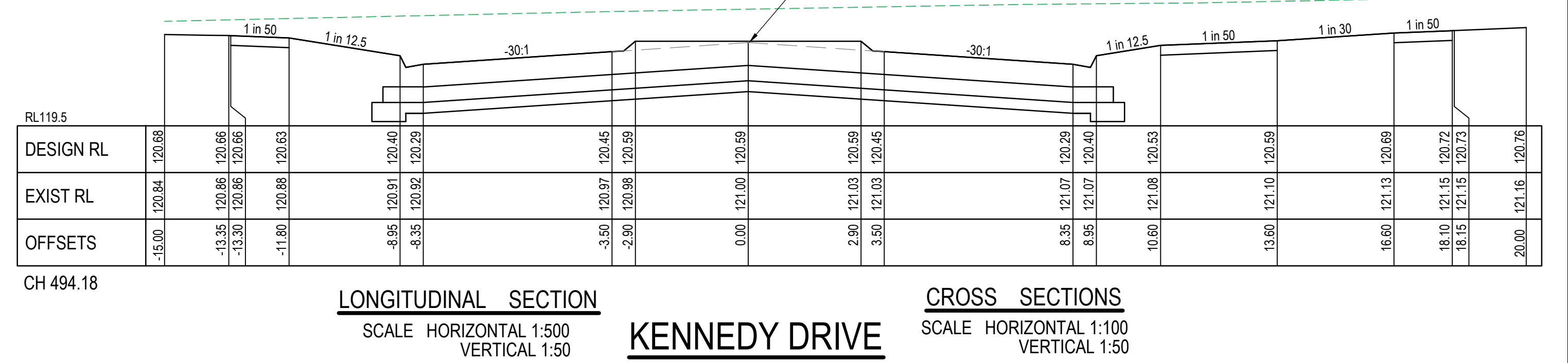
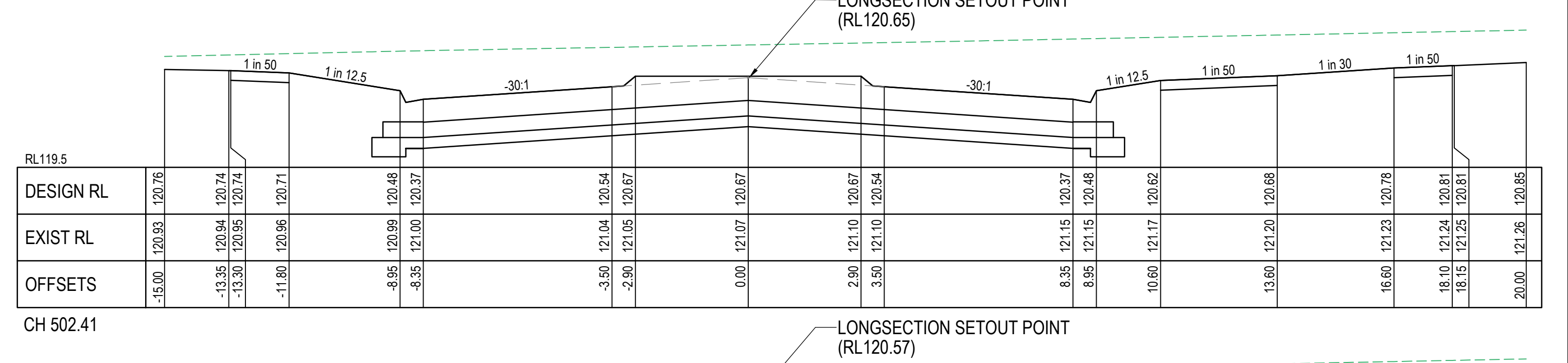
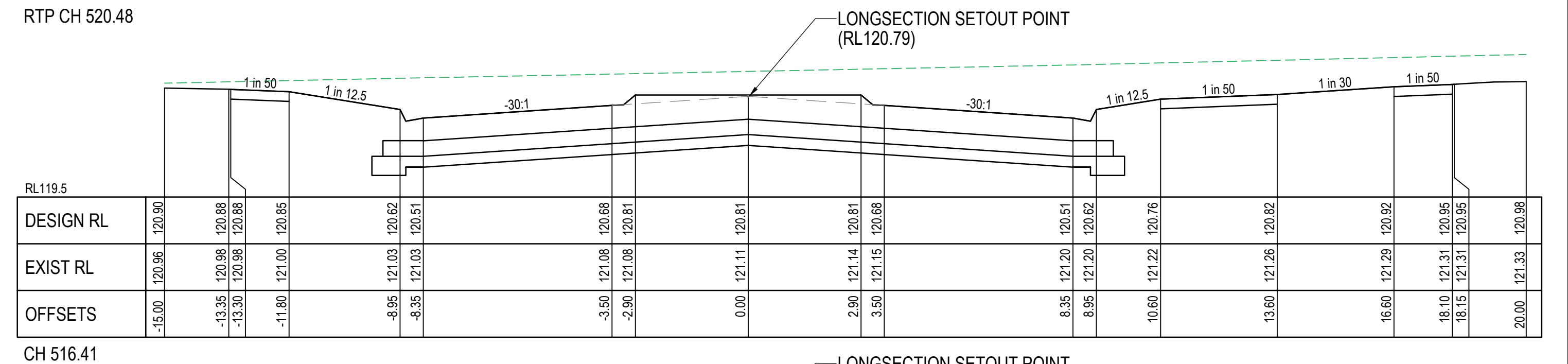
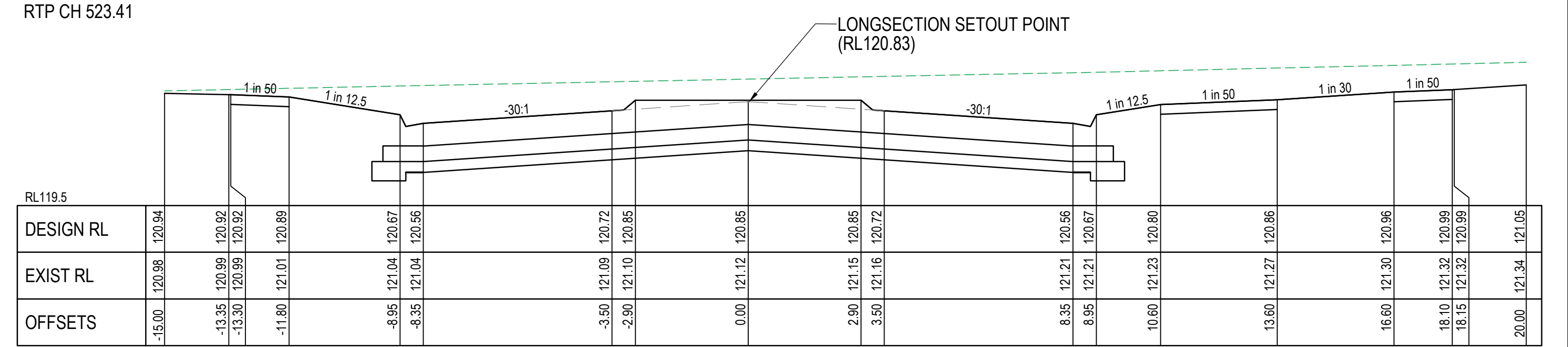
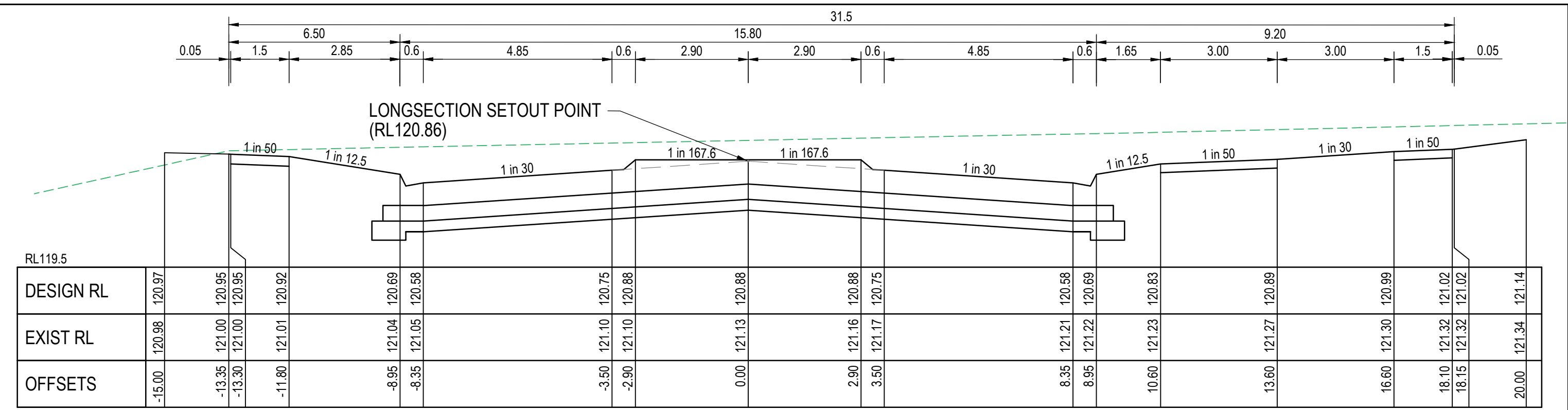
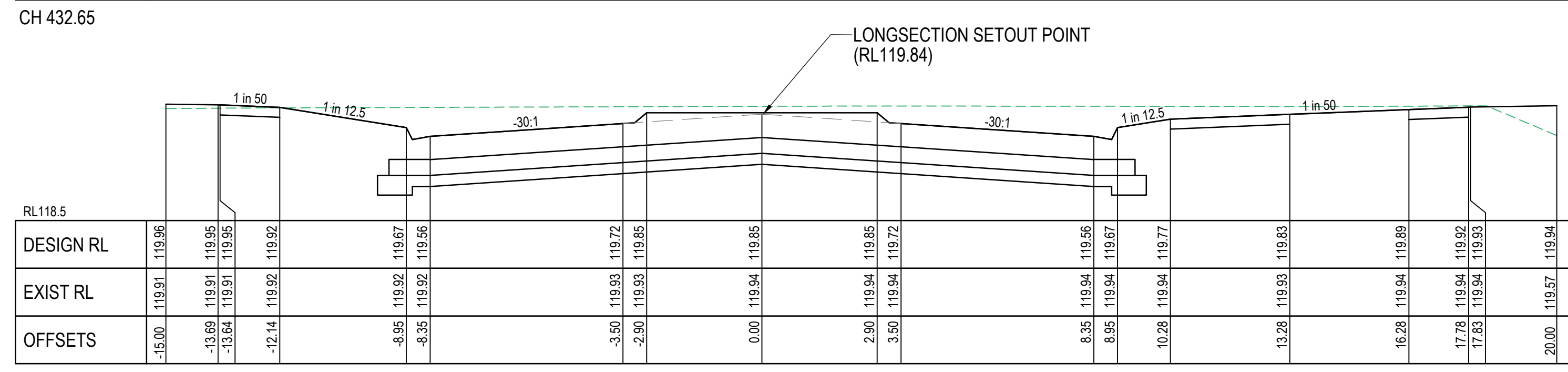
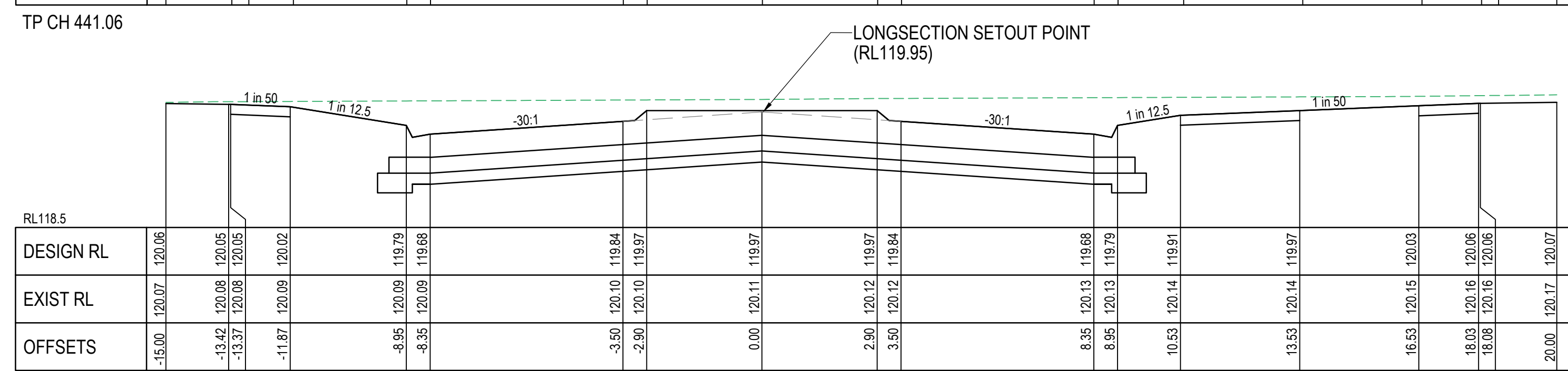
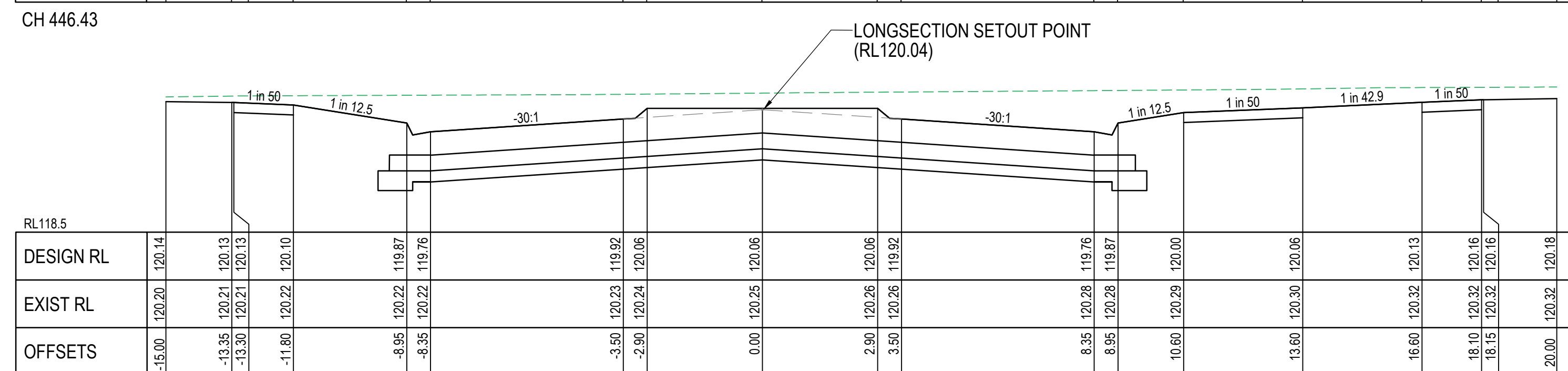
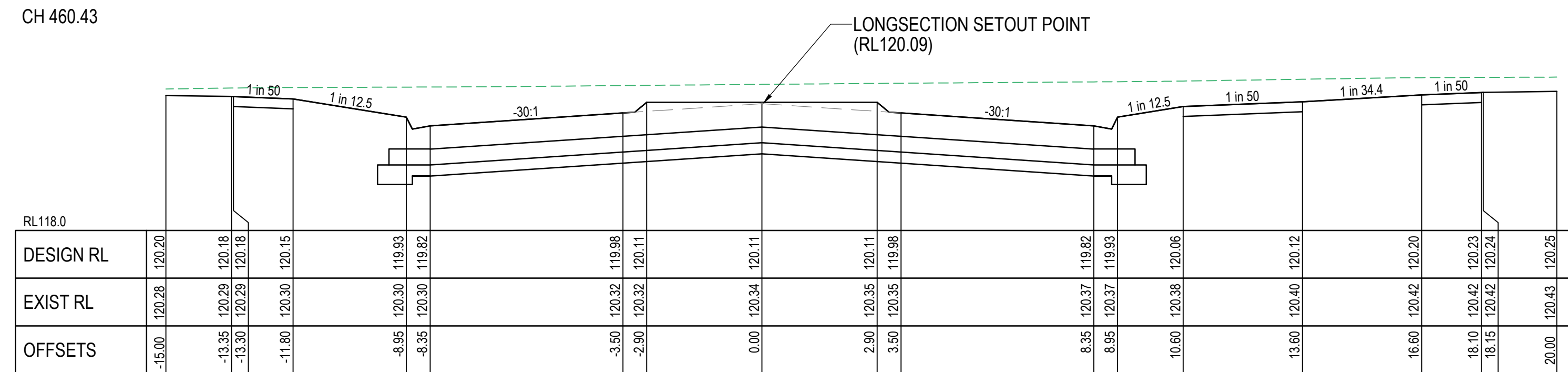
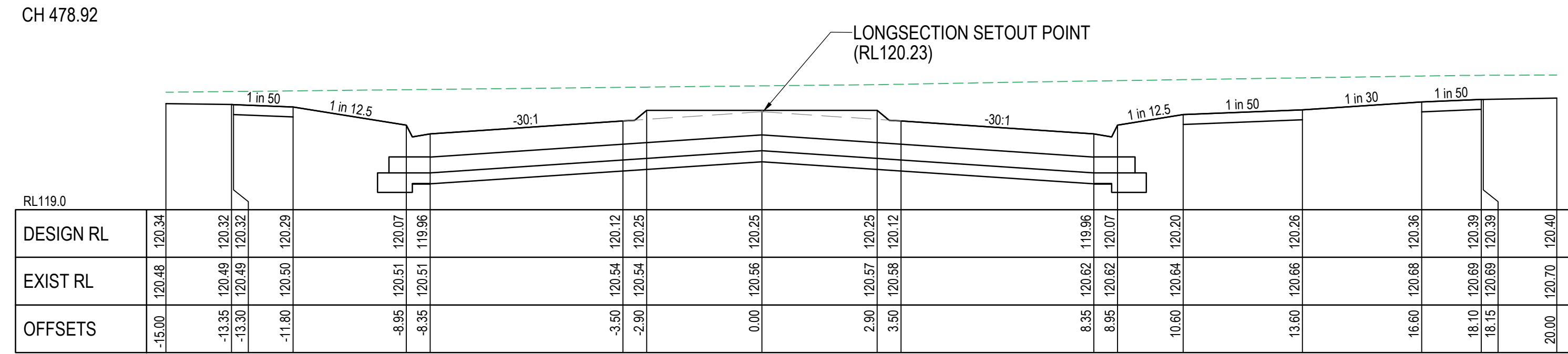
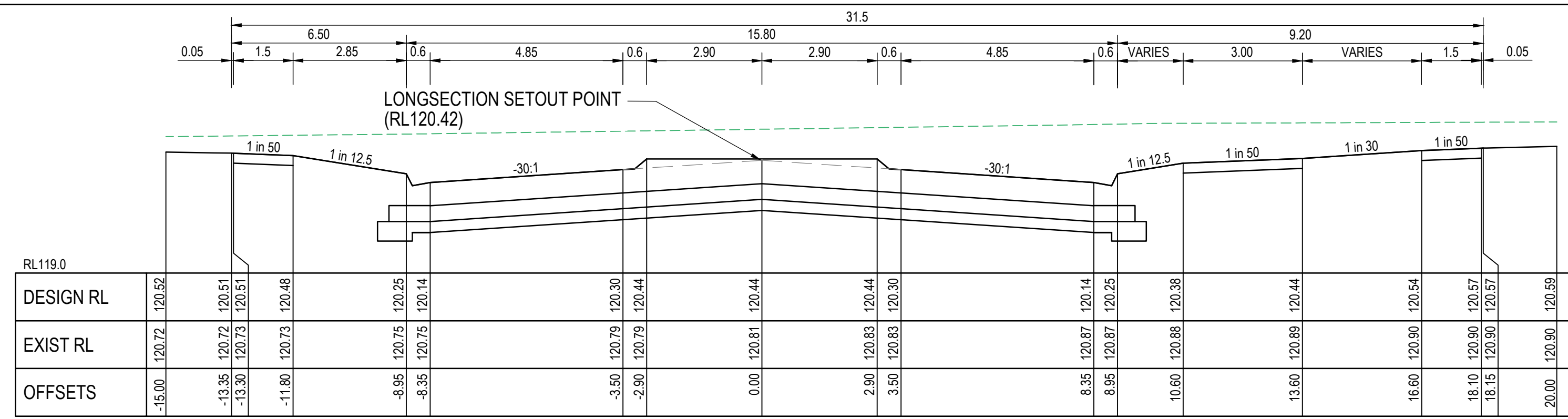












**KENNEDY DRIVE**

SCALE HORIZONTAL 1:500 VERTICAL 1:50

SCALE H 1:500 V 1:50 @A1

SCALE HORIZONTAL 1:100 VERTICAL 1:50

SCALE H 1:100 V 1:50 @A1

LENGTHS ARE IN METRES

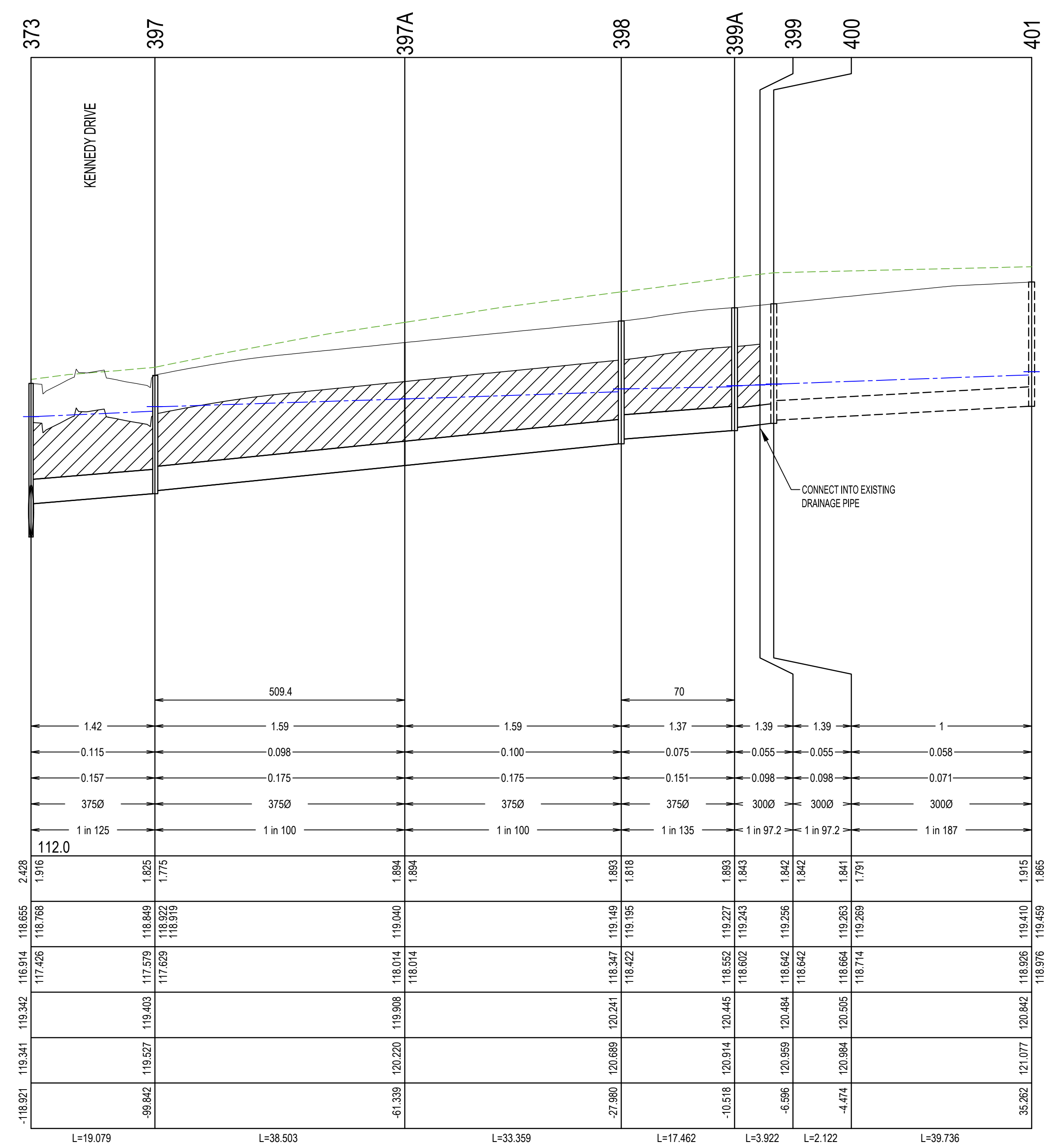
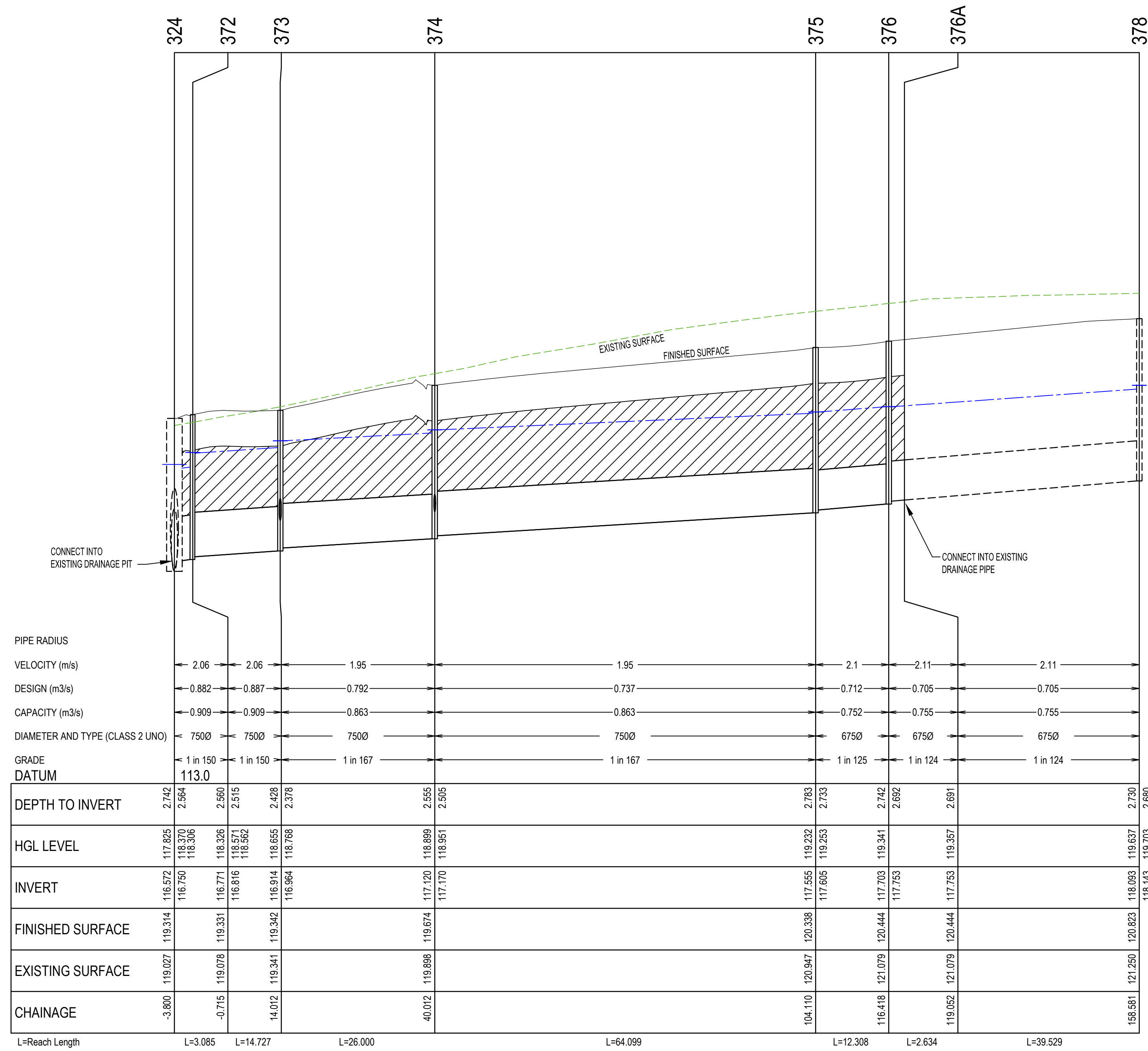
**AS CONSTRUCTED**

AMENDMENTS	A	22.02.23	CONSTRUCTION ISSUE	CHECKED	C. HAGAN	SCALE	AS SHOWN	DATUM	AHD	DATE	APRIL 2022	SHEET	13 OF 22	MUNICIPALITY	MELTON	REFERENCE	8226 E/33
	VER	DATE	REMARKS		DRAWN		I.W		DATE		APRIL 2022		SHEET		13 OF 22		

**breese pitt dixon pty. ltd.**  
 land surveyors      civil engineers  
 1/19 cato street  
 hawthorn east, 3123  
 telephone 8823 2300  
 fax no. 8823 2310

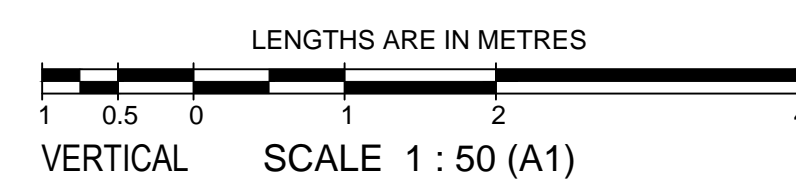
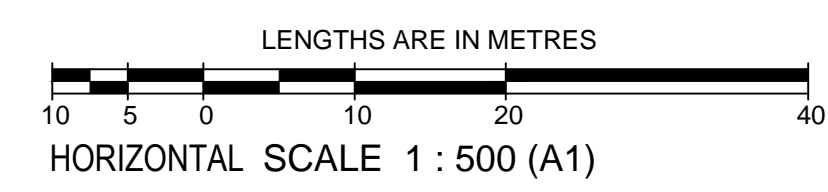
**ASPIRE ESTATE**  
**STAGE 33**  
**KENNEDY DRIVE SHEET 3 OF 3**





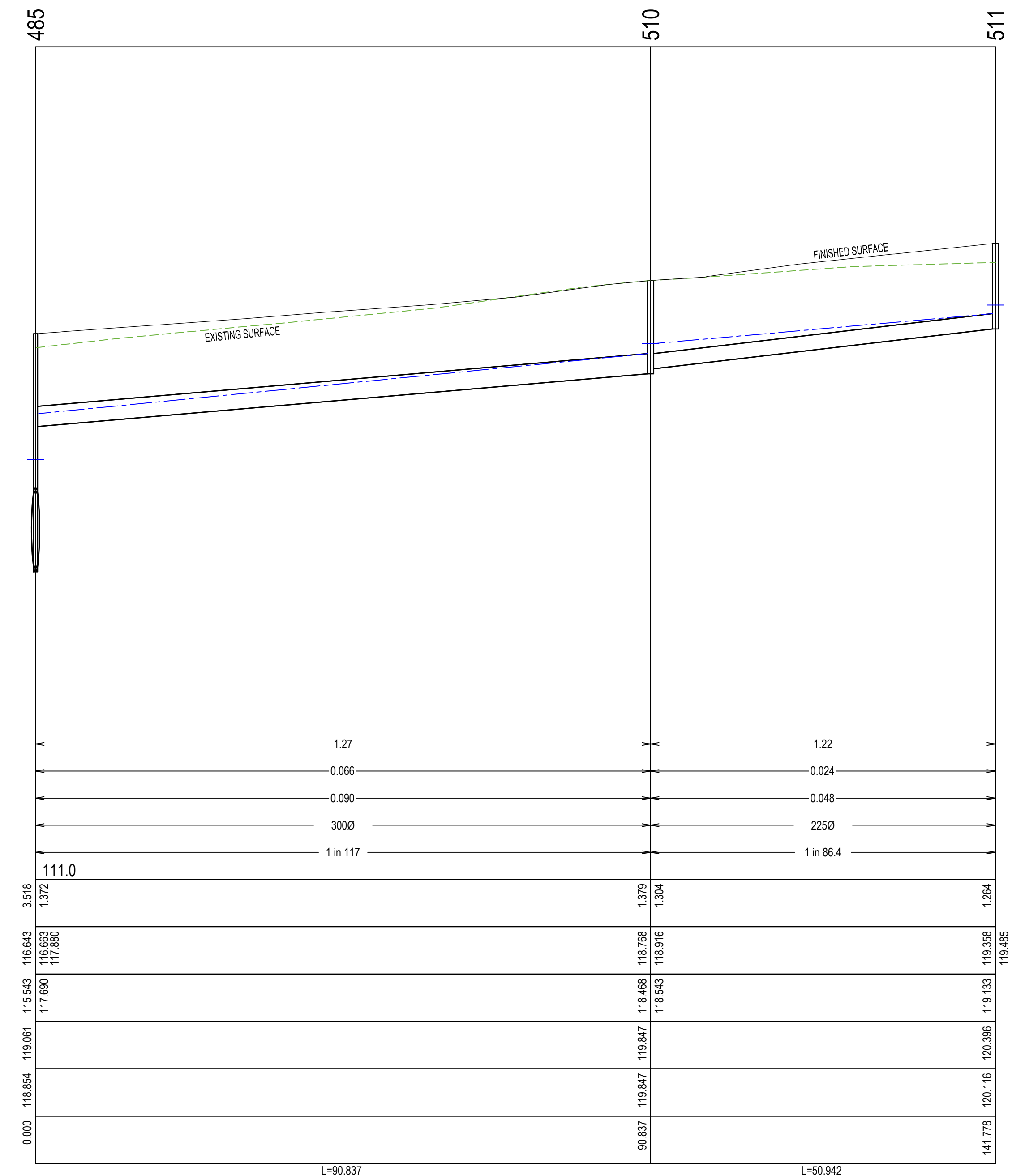
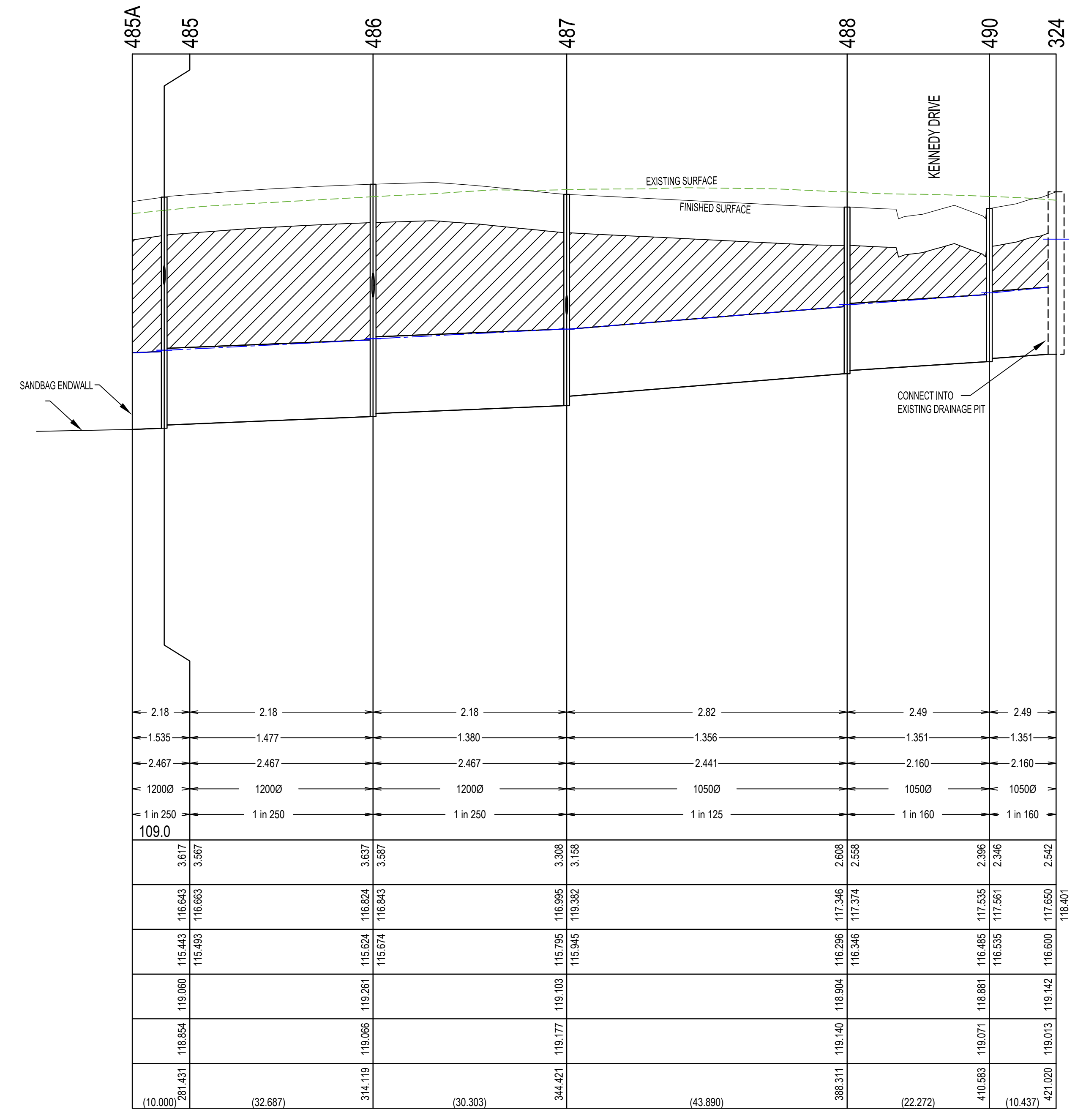
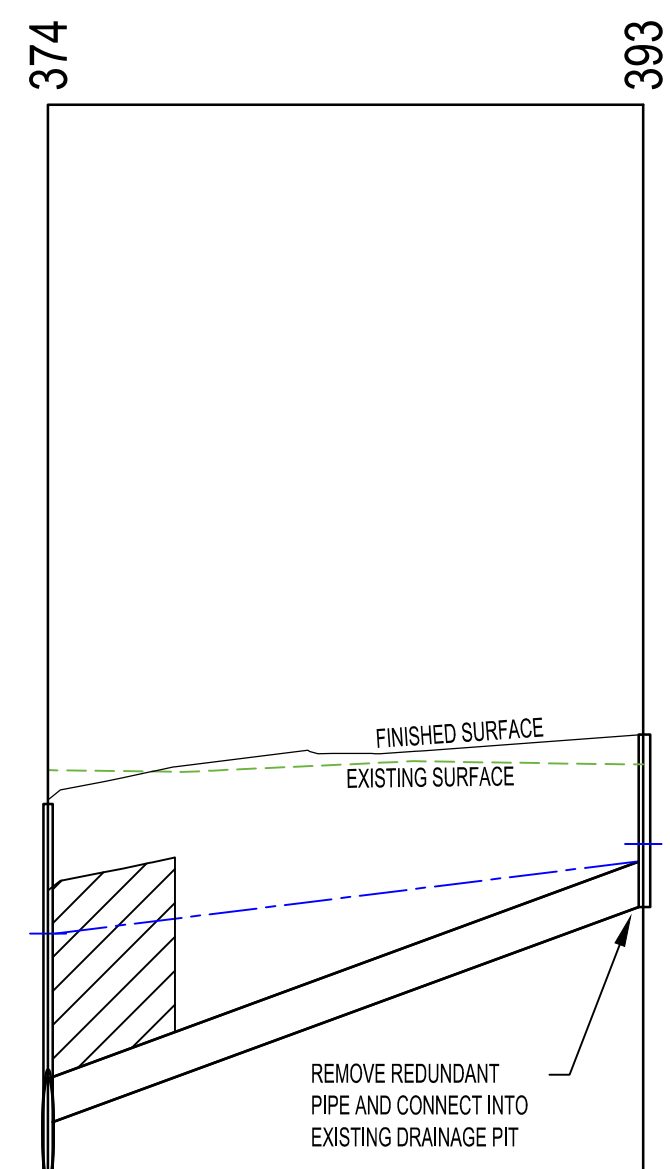
**AS CONSTRUCTED**

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



 breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		MUNICIPALITY MELTON REFERENCE 8226 E/33	
MELWAY REF. 354-C-12 SURVEY BPD DESIGN J.B.		ASPIRE ESTATE STAGE 33 DRAINAGE LONGITUDINAL SECTIONS - SHEET 1	
DRAWN I.W. CHECKED C. HAGAN		SCALE AS SHOWN DATUM AHD DATE APRIL 2022	SHEET 14 OF 22 A
AMENDMENTS	VER	DATE	REMARKS
A	22.02.23		CONSTRUCTION ISSUE





PIPE RADIUS			
VELOCITY (m/s)	2.6		
DESIGN (m <sup>3</sup> /s)	0.064		
CAPACITY (m <sup>3</sup> /s)	0.184		
DIAMETER AND TYPE (CLASS 2 UNO)	3000		
GRADE	1 in 27.6		
DATUM	112.0		
DEPTH TO INVERT	2.555	2.105	1.140
HGL LEVEL	117.120	118.899	118.951
INVERT	119.674	117.570	118.994
FINISHED SURFACE	119.898	120.134	119.044
EXISTING SURFACE	119.898	119.898	119.898
CHAINAGE	0.000	39.367	118.994

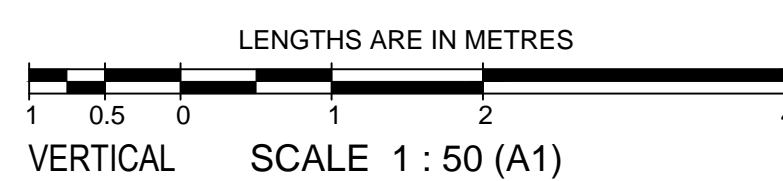
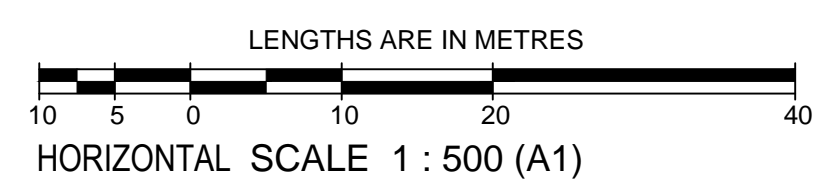
DEPTH TO INVERT	3.617	3.567	3.308	3.158	2.608	2.558	2.396	2.346	2.542
HGL LEVEL	116.643	116.663	116.824	116.843	117.346	117.374	117.535	117.561	117.650
INVERT	119.060	115.493	115.624	115.674	116.296	116.346	116.485	116.535	116.600
FINISHED SURFACE	118.854	119.060	119.261	119.103	118.904	118.904	118.881	118.881	119.142
EXISTING SURFACE	118.854	119.060	119.177	119.103	119.140	119.140	119.071	119.013	119.013
CHAINAGE	281.431	328.687	344.119	344.421	388.311	410.883	421.020	421.020	421.020

DEPTH TO INVERT	1.27	1.22
HGL LEVEL	111.0	111.0
INVERT	119.730	119.780
FINISHED SURFACE	119.060	119.060
EXISTING SURFACE	119.060	119.060
CHAINAGE	90.837	141.778

L=Reach Length L=39.367

L=90.837 L=50.942

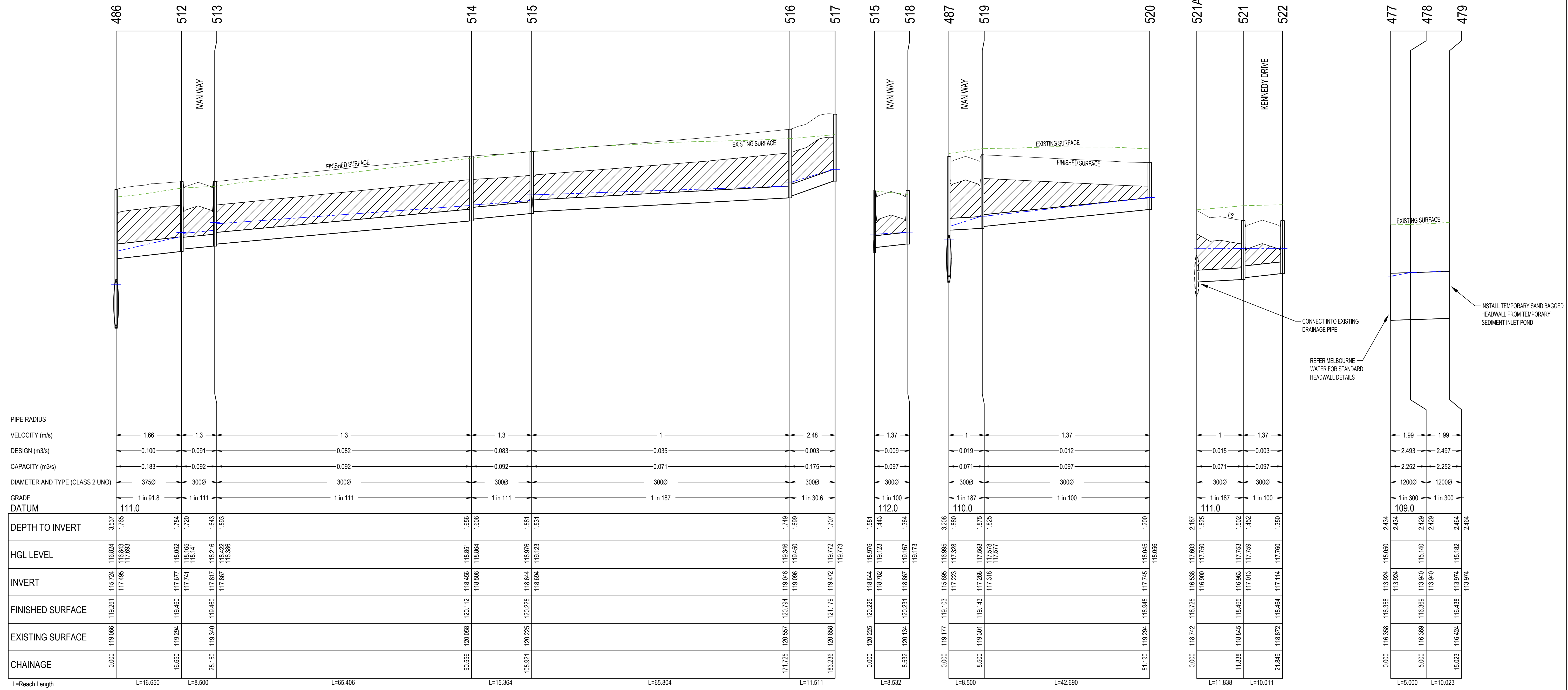
- LEGEND:**
- EXISTING SURFACE PROFILE
  - FINISHED SURFACE PROFILE
  - - - INDICATES SYR HGL
  - ▨ INDICATES CRUSHED ROCK BACKFILL



**AS CONSTRUCTED**

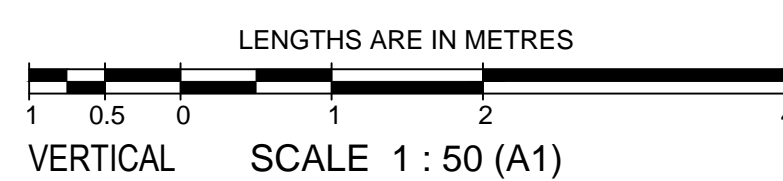
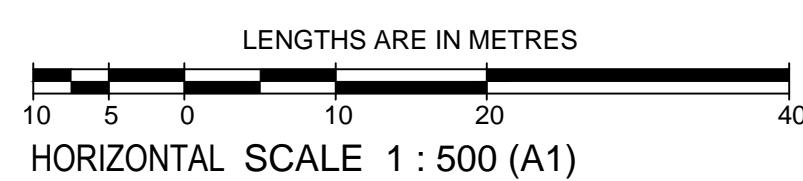
		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 354-C-12 SURVEY BPD DESIGN J.B.		<b>ASPIRE ESTATE          STAGE 33</b> DRAINAGE LONGITUDINAL SECTIONS - SHEET 2	
DRAWN I.W. CHECKED C. HAGAN		MUNICIPALITY <b>MELTON</b> REFERENCE <b>8226 E/33</b>	
AMENDMENTS A 22.02.23 CONSTRUCTION ISSUE	SCALE AS SHOWN DATUM AHD DATE APRIL 2022	SHEET 15 OF 22	A





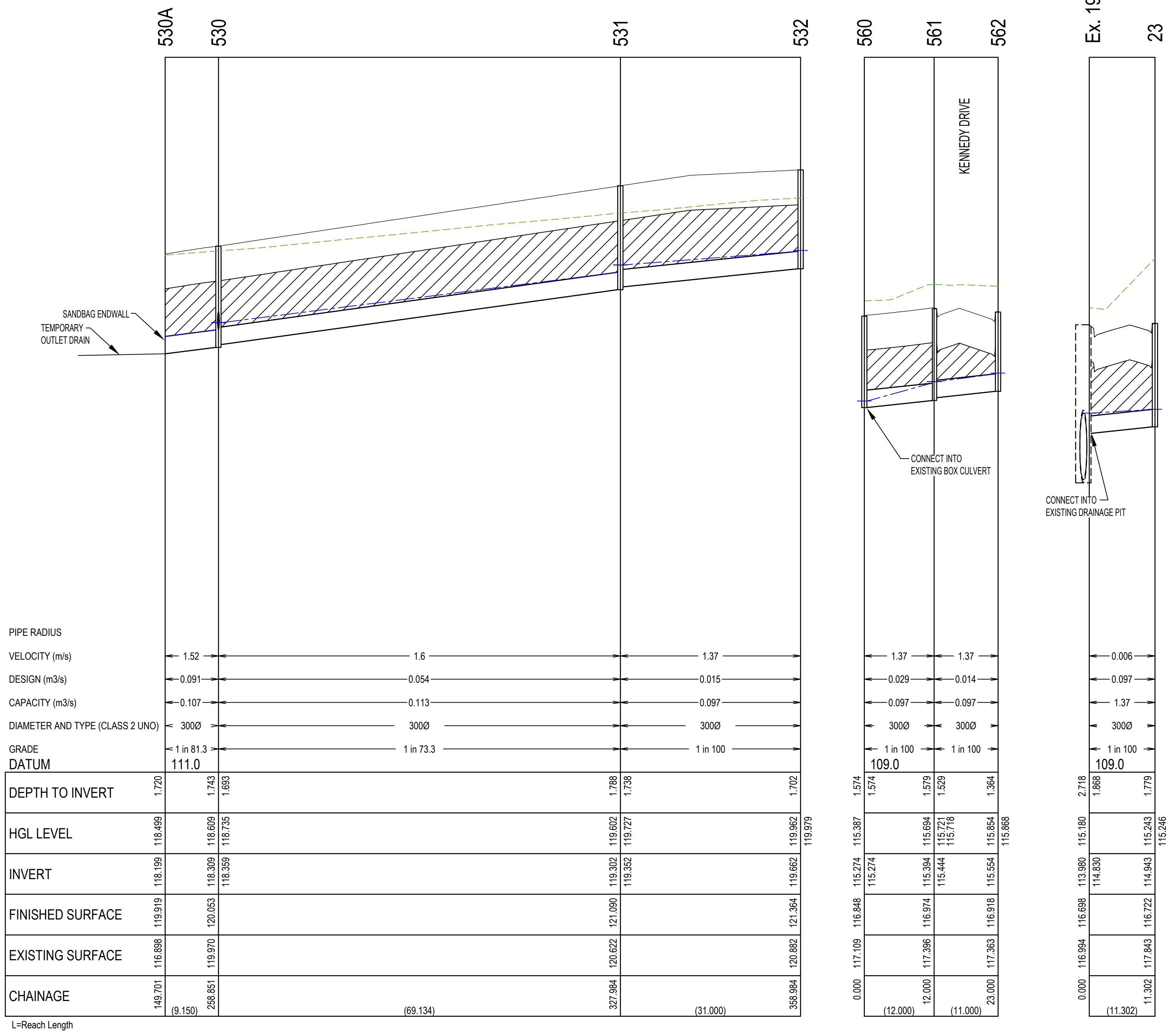
**AS CONSTRUCTED**

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



 <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	
		<b>ASPIRE ESTATE STAGE 33</b>	
<b>DRAINAGE LONGITUDINAL SECTIONS - SHEET 3</b>		MUNICIPALITY <b>MELTON</b>	
SCALE AS SHOWN    DATUM AHD    DATE APRIL 2022		REFERENCE <b>8226 E/33</b>	
SHEET	16 OF 22	MUNICIPALITY	MELTON
DATE	REMARKS	CHECKED	C. HAGAN
AMENDMENTS	VER	DATE	REMARKS
A	22.02.23	CONSTRUCTION ISSUE	DRAWN I.W.
MELWAY REF.	354-C-12		
SURVEY	BPD		
DESIGN	J.B		





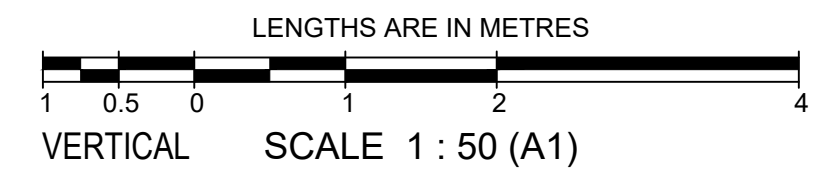
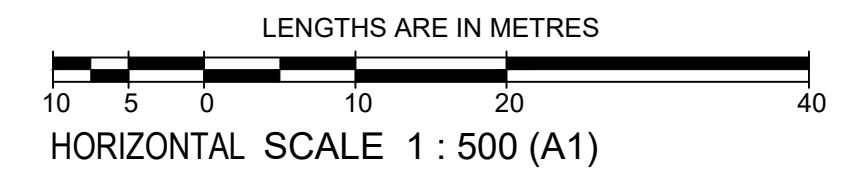
PIPE RADIUS	530A				530				531				532				560				561				562				Ex. 19							
	L	W	DIA	LEVEL	L	W	DIA	LEVEL	L	W	DIA	LEVEL	L	W	DIA	LEVEL	L	W	DIA	LEVEL	L	W	DIA	LEVEL	L	W	DIA	LEVEL	L	W	DIA	LEVEL				
VELOCITY (m/s)	1.52				1.6				1.37				1.37				0.029				0.014				0.006				0.097				0.097			
DESIGN (m <sup>3</sup> /s)	0.091				0.054				0.015				0.015				0.097				0.097				1.37				0.097				0.097			
CAPACITY (m <sup>3</sup> /s)	0.107				0.113				0.097				0.097				0.097				0.097				0.097				0.097				0.097			
DIAMETER AND TYPE (CLASS 2 UNO)	3000				3000				3000				3000				3000				3000				3000				3000				3000			
GRADE	1 in 81.3				1 in 73.3				1 in 100				1 in 100				1 in 100				1 in 100				1 in 100				1 in 100				1 in 100			
DATUM	111.0				111.0				109.0				109.0				109.0				109.0				109.0				109.0				109.0			
DEPTH TO INVERT	1.720				1.783				1.788				1.788				1.788				1.788				1.788				1.788				1.788			
HGL LEVEL	118.469				118.469				118.469				118.469				118.469				118.469				118.469				118.469				118.469			
INVERT	118.159				118.159				118.159				118.159				118.159				118.159				118.159				118.159				118.159			
FINISHED SURFACE	119.919				120.063				121.080				121.364				121.364				121.364				121.364				121.364				121.364			
EXISTING SURFACE	118.898				119.970				120.622				120.882				120.882				120.882				120.882				120.882				120.882			
CHAINAGE	149.701				256.851				327.994				356.984				356.984				356.984				356.984				356.984				356.984			

L=Reach Length

PIT No.	DESCRIPTION	INTERNAL DIMENSIONS		INLET		OUTLET		BRANCH CONNECTION		TOP OF PIT	DEPTH OF PIT	REMARKS
		L	W	DIA	LEVEL	DIA	LEVEL	DIA	LEVEL			
19	Double Channel Grating Pit	1650	600	120	114.03	1200	113.98	300	114.83	116.85	2.87	Existing Pit
23	Double Channel Grating Pit	900	600			300	114.943			116.722	1.779	EDCM601-EDCM605 with Class B Cover. E: 299313.7689, N: 5824588.2480 / E: 299314.6607, N: 5824588.1266
372	Junction Pit	1200	1200	750	116.816	750	116.771			119.208	2.437	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900 E: 299182.0036, N: 5824624.2328 / E: 299181.1118, N: 5824624.3542
373	Junction Pit	1200	1200	750	116.964	750	116.914	375	117.426	119.279	2.366	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900 E: 299169.6000, N: 5824617.0601 / E: 299170.4934, N: 5824616.9509
374	Channel Grating Pit	900	900	750	117.17	750	117.12	300	117.57	119.702	2.582	EDCM601-EDCM607 with Class B Cover. Haunched at top 600 * 900
375	Junction Pit	900	900	675	117.605	750	117.555			120.338	2.783	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900
376A	End of Pipe (Existing)					675	117.753			120.444	2.691	Remove Headwall and Connect into Existing Drainage Pipe.
376	Junction Pit	900	900	675	117.753	675	117.703			120.445	2.742	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900
393	Junction Pit (Existing)	600	900	225	119.044	300	118.994			120.134	1.14	Connect into Existing Drainage pit
397	Channel Grating Pit	600	900	375	117.629	375	117.579			119.408	1.829	EDCM601-EDCM605 with Class B Cover.
398	Junction Pit	600	900	375	118.397	375	118.347			120.241	1.893	EDCM605 with Class B Cover. E: 299091.4710, N: 5824608.9933 / E: 299090.5792, N: 5824609.1147
399	End of Pipe (Existing)					300	118.642			120.484	1.842	Remove Headwall and Connect into Existing Drainage Pipe.
399A	Channel Grating Pit	600	900	300	118.602	375	118.552			120.445	1.893	EDCM601-EDCM605 with Class B Cover.
485	Junction Pit	900	1300	1200	115.493	1200	115.443	300	117.69	119.06	3.617	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900 E: 299164.7155, N: 5824487.0058 / E: 299165.6093, N: 5824486.9004
486	Junction Pit	900	1300	1200	115.674	1200	115.624	375	117.495	119.261	3.637	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900 E: 299169.1578, N: 5824519.3983 / E: 299170.0495, N: 5824519.2761
487	Channel Grating Pit	900	1300	1050	115.945	1200	115.795	300	117.223	119.103	3.308	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900 E: 299173.4389, N: 5824549.5487 / E: 299173.3167, N: 5824548.6571
488	Channel Grating Pit	900	1200	1050	116.346	1050	116.296			118.904	2.608	EDCM601-EDCM605 with Class B Cover. Haunched at top 600 * 900 E: 299178.4095, N: 5824585.8384 / E: 299178.5316, N: 5824586.7301
490	Junction Pit	900	1200	1050	116.535	1050	116.485			118.881	2.396	EDCM605-EDCM607 with Class B Cover. Haunched at top 600 * 900 E: 299183.2423, N: 5824614.1910 / E: 299184.1341, N: 5824614.0696
510	Junction Pit	600	900	225	118.544	300	118.469			119.847	1.379	EDCM605 with Class B Cover.
511	Junction Pit	600	900			225	119.133			120.396	1.264	EDCM605 with Class B Cover. E: 299075.3573, N: 5824497.6015 / E: 299074.4576, N: 5824497.5778
512	Channel Grating Pit	600	900	300	117.741	375	117.677			119.46	1.784	EDCM601-EDCM605 with Class B Cover. E: 299024.2132, N: 5824488.8946 / E: 299025.1002, N: 5824489.0468
513	Channel Grating Pit	600	900	300	117.867	300	117.817			119.46	1.643	EDCM601-EDCM605 with Class B Cover.
514	Tangent Point			300	118.506	300	118.456			120.112	1.656	E: 299089.4190, N: 5824538.5967
515	Channel Grating Pit	600	900	300	118.694	300	118.644	300	118.782	120.225	1.581	EDCM601-EDCM605 with Class B Cover.
516	Junction Pit	600	900	300	119.096	300	119.046			120.794	1.749	EDCM605 with Class B Cover.
517	Channel Grating Pit	600	900	300	119.472	300	119.422			121.179	1.707	EDCM601-EDCM605 with Class B Cover.
518	Channel Grating Pit	600	900			300	118.867			120.231	1.364	EDCM601-EDCM605 with Class B Cover. E: 299074.3071, N: 5824530.7184 / E: 299075.1941, N: 5824530.8706
519	Channel Grating Pit	600	900	300	117.318	300	117.268			119.143	1.875	EDCM605 with Class B Cover. E: 299165.6119, N: 5824550.6208 / E: 299165.4898, N: 5824549.7291
520	Double Channel Grating Pit	600	900			300	117.745			118.945	1.2	EDCM601-EDCM605 with Class B Cover. E: 299170.7047, N: 5824587.0822 / E: 299170.5826, N: 5824586.9105
521A	Tangent Point					300	116.9			118.725	1.825	Break into exist Drainage pipe and connect proposed pipe.
521	Channel Grating Pit	600	900	300	117.013	300	116.963			118.465	1.502	EDCM601-EDCM605 with Class B Cover. E: 299194.8802, N: 5824612.6067 / E: 299195.7720, N: 5824612.4853
522	Double Channel Grating Pit	600	900			300	117.114			118.464	1.35	EDCM601-EDCM605 with Class B Cover. E: 299193.6248, N: 5824603.2341 / E: 299194.5243, N: 5824603.2026
530	Junction Pit	600	900	300	118.359	300	118.309	300	118.619	120.053	1.743	EDCM605 with Class B Cover. E: 299004.5884, N: 5824458.7581 / E: 299004.4362, N: 5824459.6451
531	Channel Grating Pit	600	900	300	119.352	300	119.302			121.09	1.788	EDCM601-EDCM605 with Class B Cover. E: 298992.8366, N: 5824526.8857 / E: 298992.6844, N: 5824527.7728
532	Junction Pit	600	900			300	119.662			121.364	1.702	EDCM605 with Class B Cover. E: 298987.6154, N: 5824557.4429 / E: 298987.4632, N: 5824558.3299
560	Tangent Point			300	115.274					116.859	1.584	E: 299291.5697, N: 5824590.9671 Connect into Existing Box Culvert
561	Channel Grating Pit	600	900	300	115.444	300	115.394			116.994	1.6	EDCM601-EDCM605 with Class B Cover. E: 299280.1658, N: 5824592.8223 / E: 299279.2740, N: 5824592.9437
562	Channel Grating Pit	600	900			300	115.554			116.939	1.384	EDCM601-EDCM605 with Class B Cover. E: 299280.6768, N: 5824603.2487 / E: 299281.5686, N: 5824603.1273
477	End of Pipe			1200	113.924					116.358	2.434	Refer Melbourne Water for Standard Headwall Details E: 299151.8593, N: 5824226.9995
478	Tangent Point			1200	113.94	1200	113.94			116.369	2.429	E: 299147.0590, N: 5824225.6005
479	End of Pipe			1200	113.974	1200	113.974			116.438	2.464	Install Temporary Sand Bagged Headwall E: 299137.1373, N: 5824224.7739

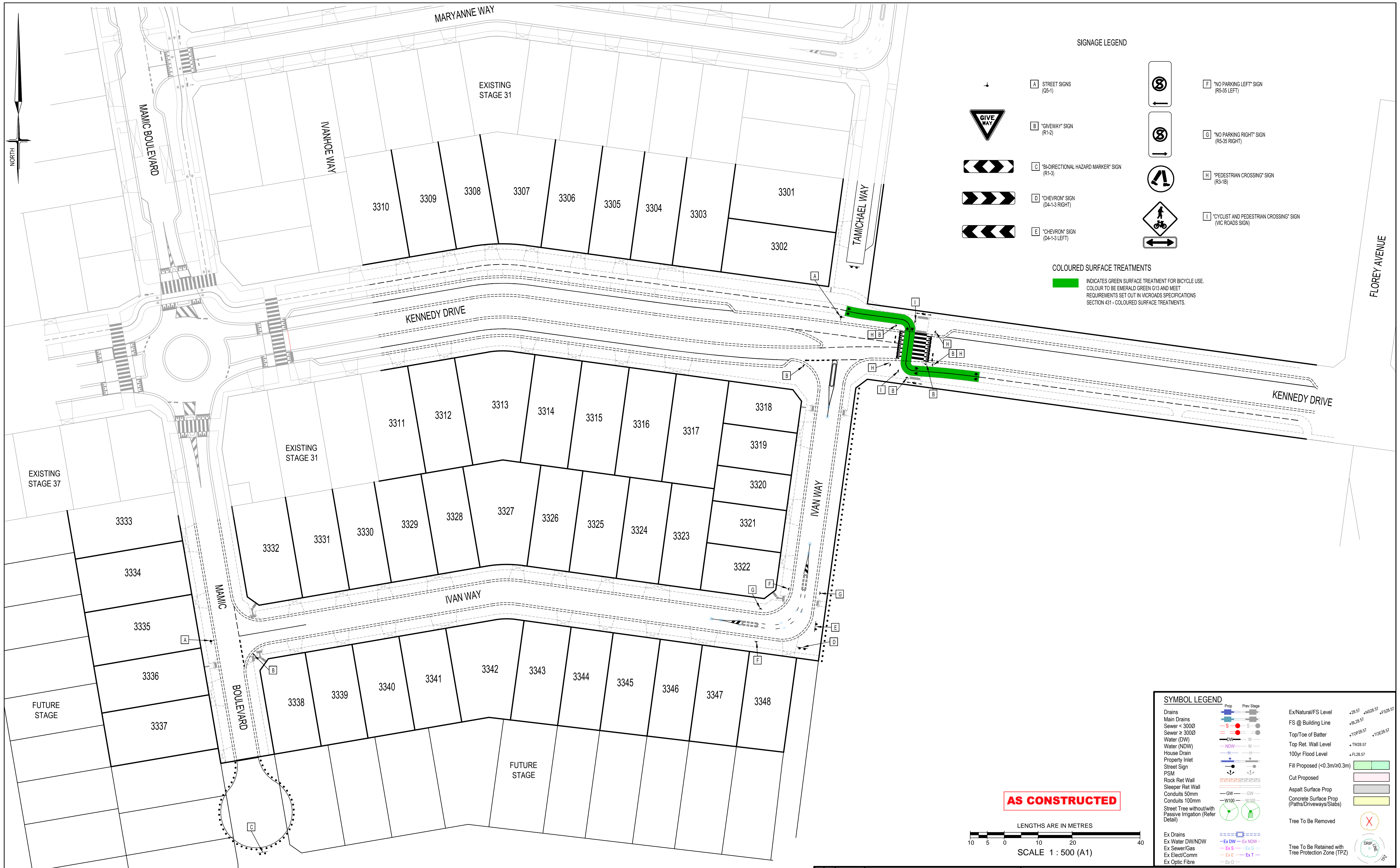
**AS CONSTRUCTED**

**LEGEND:**  
 - - - - - EXISTING SURFACE PROFILE  
 ——— FINISHED SURFACE PROFILE  
 - - - - - INDICATES SVR HGL  
 [Hatched Box] INDICATES CRUSHED ROCK BACKFILL



<b>AMENDMENTS</b> C 09.04.24 DRAINAGE LINE 23-19 ADDED, PIT SCHEDULE AMENDED B 31.08.23 PIT SCHEDULE AMENDED A 22.02.23 CONSTRUCTION ISSUE				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 CHECKED C. HAGAN		<b>ASPIRE ESTATE          STAGE 33</b> DRAINAGE LONGITUDINAL SECTIONS - SHEET 4 SCALE AS SHOWN DATUM AHD DATE APRIL 2022 SHEET 17 OF 22	
MUNICIPALITY <b>MELTON</b> REFERENCE <b>8226 E/33</b>		SHEET 17 OF 22			



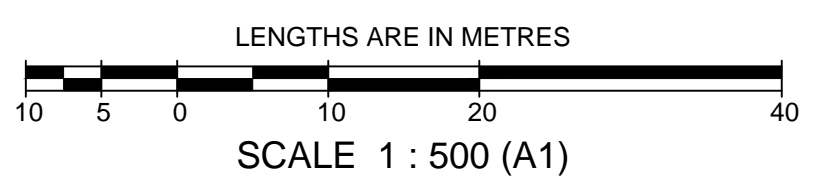


SIGNAGE LEGEND

- A STREET SIGNS (S-1)
- B "GIVEWAY" SIGN (R1-2)
- C "BI-DIRECTIONAL HAZARD MARKER" SIGN (R1-3)
- D "CHEVRON" SIGN (D4-1-3 RIGHT)
- E "CHEVRON" SIGN (D4-1-3 LEFT)
- F "NO PARKING LEFT" SIGN (R5-35 LEFT)
- G "NO PARKING RIGHT" SIGN (R5-35 RIGHT)
- H "PEDESTRIAN CROSSING" SIGN (R3-1B)
- I "CYCLIST AND PEDESTRIAN CROSSING" SIGN (VIC ROADS SIGN)

COLOURED SURFACE TREATMENTS  
 INDICATES GREEN SURFACE TREATMENT FOR BICYCLE USE.  
 COLOUR TO BE EMERALD GREEN G13 AND MEET REQUIREMENTS SET OUT IN VICROADS SPECIFICATIONS SECTION 431 - COLOURED SURFACE TREATMENTS.

**AS CONSTRUCTED**



**SYMBOL LEGEND**

Drains	Prop	Prev Stage	Ex/Natural/FS Level	+28.57	+NS28.57	+FS28.57
Main Drains	-S-	S	FS @ Building Line	+31.28.57		
Sewer < 3000	-S-	S	Top/Toe of Batter	+Y0P28.57		+Y0E28.57
Sewer >= 3000	-S-	S	Top Ret. Wall Level	+TW28.57		
Water (DW)	-DW-	W	100yr Flood Level	+FL28.57		
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	-P-	P	Tree To Be Removed			
Rock Ret Wall	-R-	R	Tree To Be Retained with Tree Protection Zone (TPZ)			
Sleeper Ret Wall	-S-	S				
Conduits 50mm	-GW-	GW				
Conduits 100mm	-W100-	W100				
Street Tree without/with Passive Irrigation (Refer Detail)	-T-	T				
Ex Drains	-S-	S				
Ex Water DW/NDW	-DW-	W				
Ex Sewer/Gas	-S-	S				
Ex Elect/Comm	-E-	E				
Ex Optic Fibre	-O-	O				

PLAN SCALE 1:500

AMENDMENTS		brees 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 33 SIGNAGE AND LINEMARKING		MUNICIPALITY MELTON	
SURVEY	BPD			REFERENCE 8226 E/33	
DESIGN	J.B	SCALE	AS SHOWN	DATUM	AHD
DATE	22.02.23	CHECKED	C. HAGAN	DATE	APRIL 2022
CONSTRUCTION ISSUE	REMARKS	SCALE	AS SHOWN	DATUM	AHD
DATE		CHECKED		DATE	APRIL 2022
				SHEET	18 OF 22





**LEGEND**

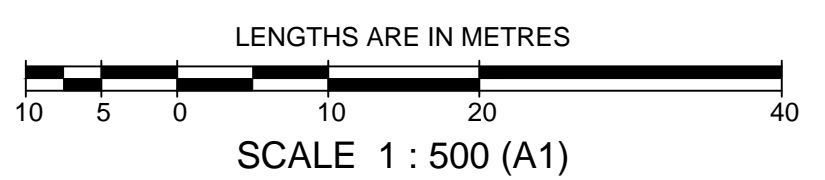
- PROPOSED PASSIVE IRRIGATION TREE PITS
- EXISTING PASSIVE IRRIGATION TREE PITS

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

**NOTE:**  
REFER SHEET 4 FOR TREE PIT INLET DETAILS.

**AS CONSTRUCTED**

**NOTE:**  
REFER SHEET 7 FOR PASSIVE IRRIGATION INLET DETAIL.



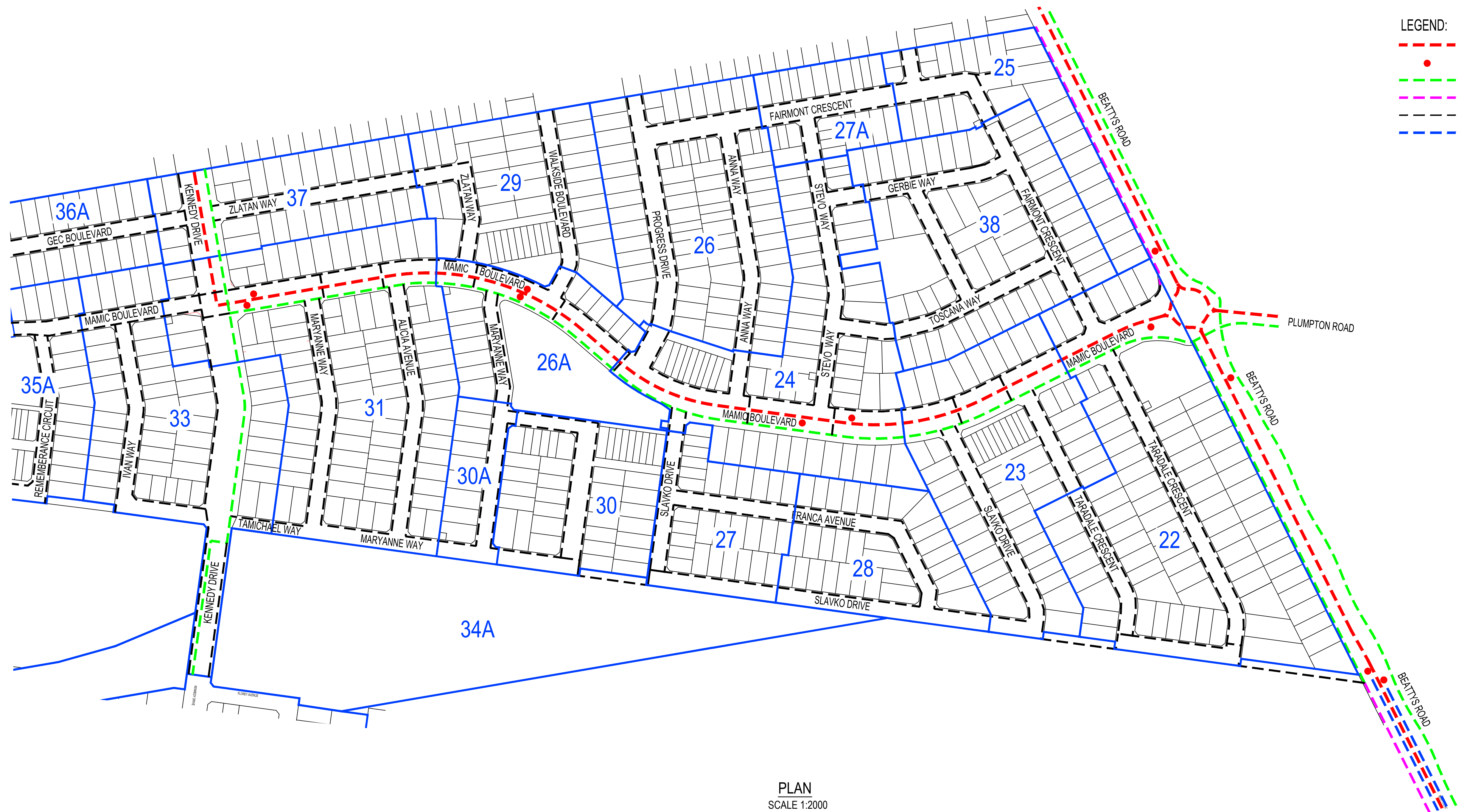
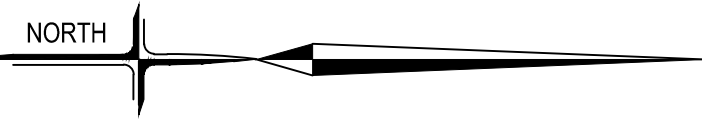
**SYMBOL LEGEND**

Drains	Prop	Prev Stage	Ex/Natural/FS Level	+28.57	+NS28.57	+FS28.57
Main Drains	— S —	— S —	FS @ Building Line	+31.28.57		
Sewer < 3000	— S —	— S —	Top/Toe of Batter	+TOP28.57	+TOE28.57	
Sewer ≥ 3000	— S —	— S —	Top Ret. Wall Level	+TW28.57		
Water (DW)	— DW —	— W —	100yr Flood Level	+FL28.57		
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)			
FSM	— FSM —	— FSM —	Tree To Be Removed			
Rock Ret Wall	— RW —	— RW —	Tree To Be Retained with Tree Protection Zone (TPZ)			
Sleeper Ret Wall	— SRW —	— SRW —				
Conduits 50mm	— GW —	— GW —				
Conduits 100mm	— W100 —	— W100 —				
Street Tree without/with Passive Irrigation (Refer Detail)	— T —	— T —				
Ex Drains	— Ex DW —	— Ex NDW —				
Ex Water DW/NDW	— Ex DW —	— Ex NDW —				
Ex Sewer/Gas	— Ex S —	— Ex G —				
Ex Elect/Comm	— Ex E —	— Ex T —				
Ex Optic Fibre	— Ex O —					

PLAN  
SCALE 1:500

AMENDMENTS		MELWAY REF. 356-C-1		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		SURVEY BPD		ASPIRE ESTATE STAGE 33 PASSIVE IRRIGATION PLAN		MUNICIPALITY MELTON	
		DESIGN J.B				REFERENCE 8226 E/33	
A	22.02.23	CONSTRUCTION ISSUE	DRAWN I.W	SCALE AS SHOWN DATUM AHD		DATE APRIL 2022	SHEET 19 OF 22
VER	DATE	REMARKS	CHECKED C. HAGAN	SCALE AS SHOWN	DATUM AHD	DATE APRIL 2022	SHEET 19 OF 22

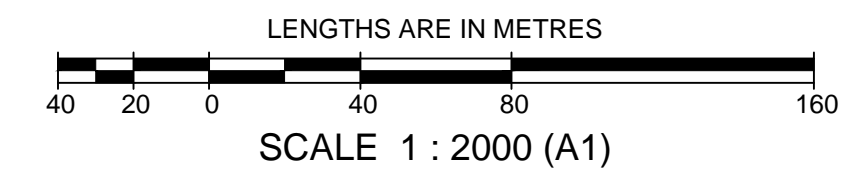




- LEGEND:**
- - - POTENTIAL BUS ROUTE (AS PER PSP)
  - TV BUS STOP LOCATION
  - - - 3.0m WIDE SHARED PATH
  - - - 2.0m WIDE SHARED PATH
  - - - 1.5m WIDE FOOTPATH
  - - - ON ROAD BIKE LANE (BOTH SIDES) AS PER PSP

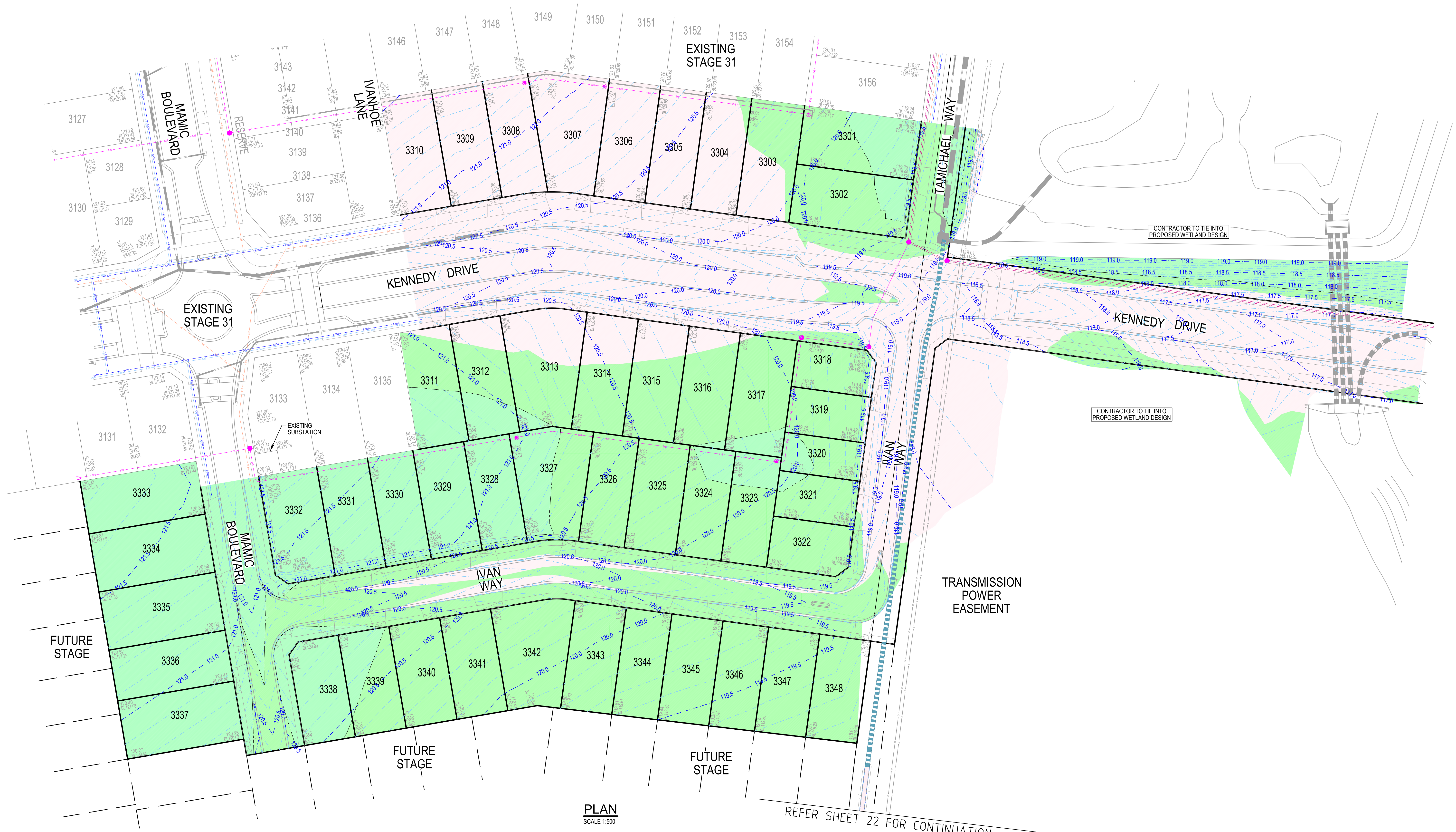
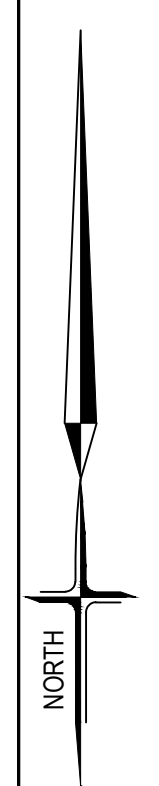
PLAN  
SCALE 1:2000

**AS CONSTRUCTED**



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	
				MUNICIPALITY <b>MELTON</b>	
MELWAY REF. 354-C-12		<b>ASPIRE ESTATE STAGE 33 MOBILITY PLAN</b>		REFERENCE 8226 E/33	
SURVEY BPD				SHEET 20 OF 22	
DESIGN J.B		SCALE AS SHOWN		DATE APRIL 2022	
DRAWN I.W		DATUM AHD		SHEET 20 OF 22	
CHECKED C. HAGAN		DATE		SHEET 20 OF 22	
VER	DATE	REMARKS	CHECKED	DATE	SHEET 20 OF 22



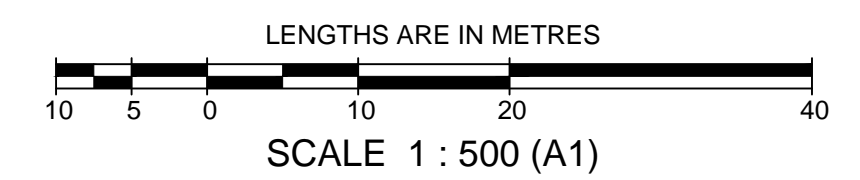


PLAN  
SCALE 1:500

REFER SHEET 22 FOR CONTINUATION

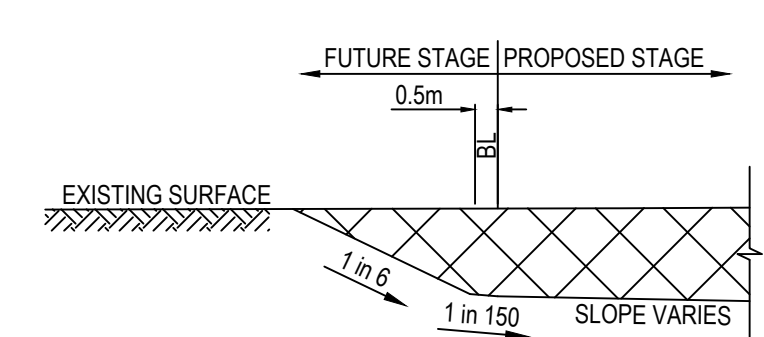
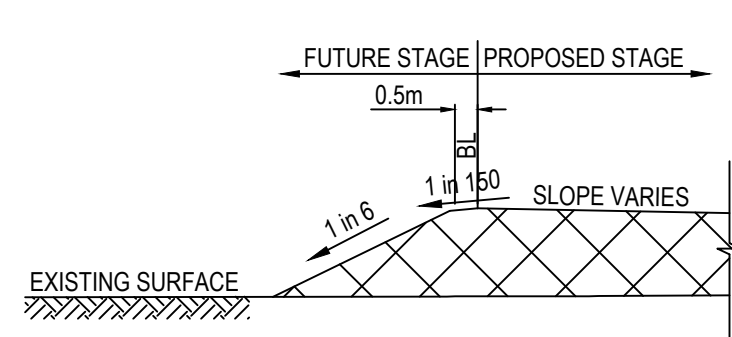
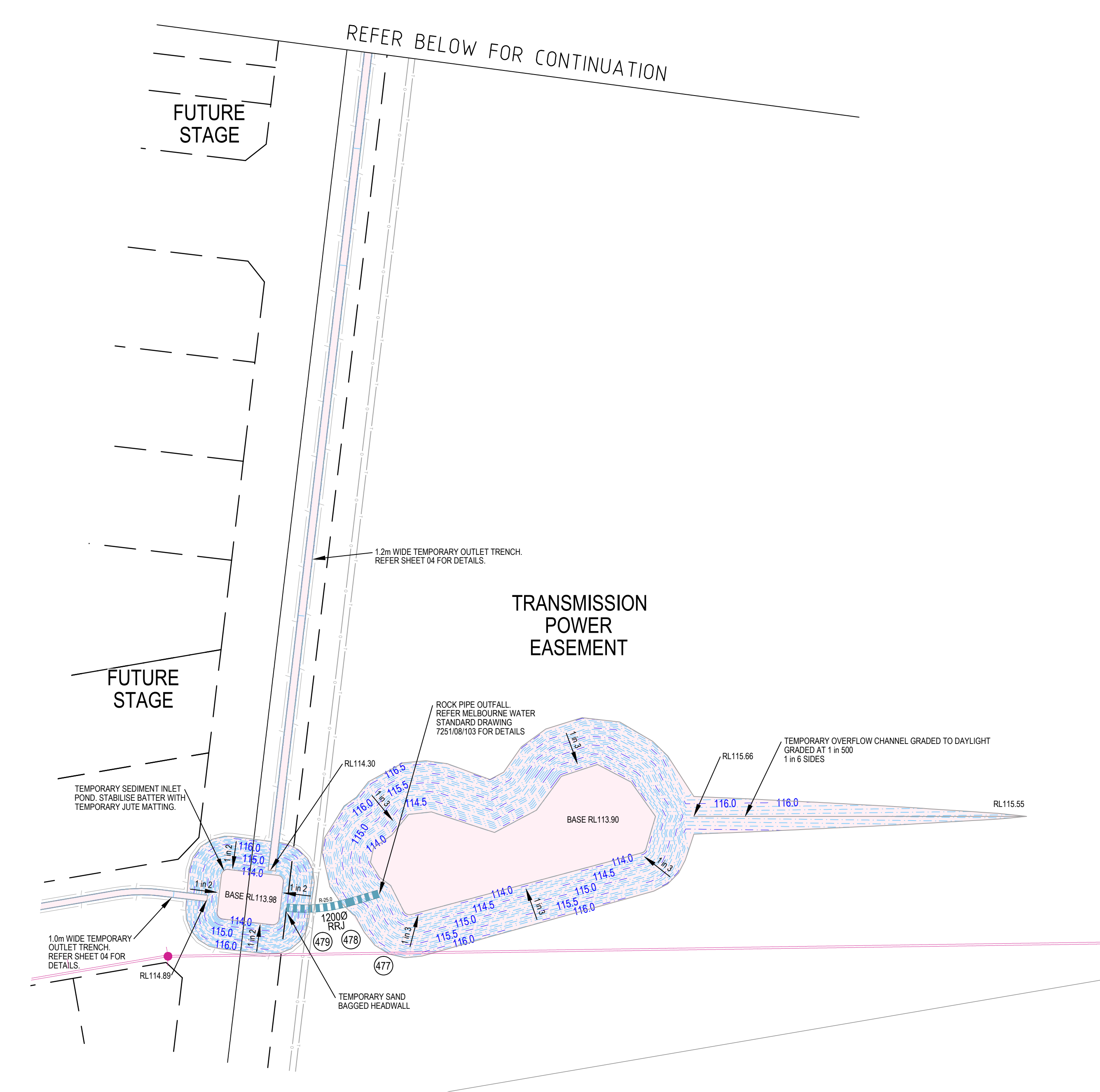
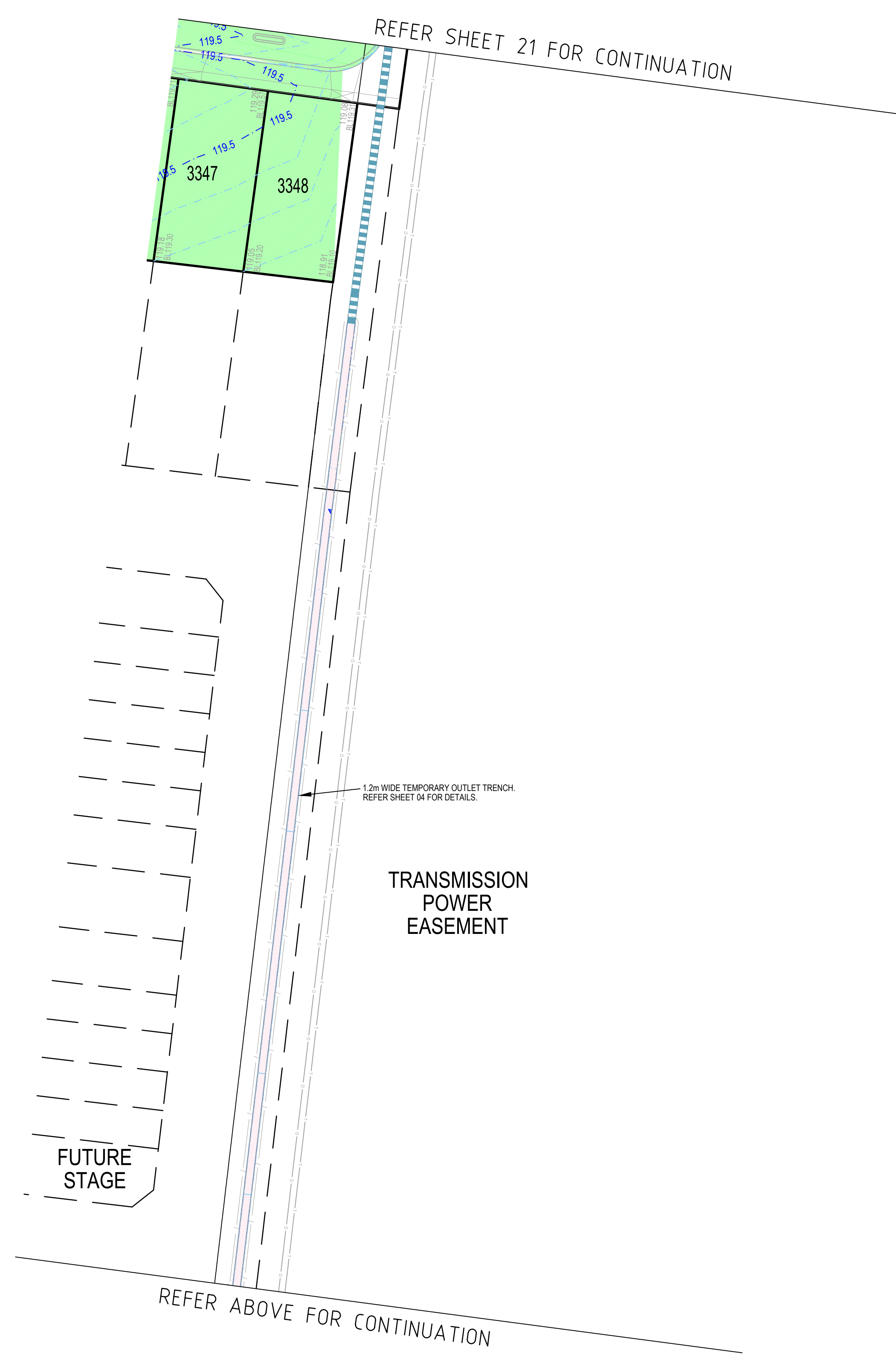
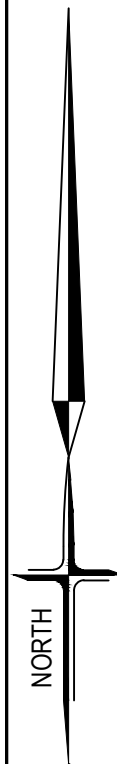
SYMBOL LEGEND	
Drains	Prop Stage
Main Drains	Ex Natural/FS Level
Sewer < 3000	FS @ Building Line
Sewer ≥ 3000	Top/Toe of Batter
Water (DW)	Top Ret. Wall Level
Water (NDW)	100yr Flood Level
House Drain	Fill Proposed (<0.3m/≥0.3m)
Property Inlet	Cut Proposed
Street Sign	Asphalt Surface Prop
PSM	Concrete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

**AS CONSTRUCTED**



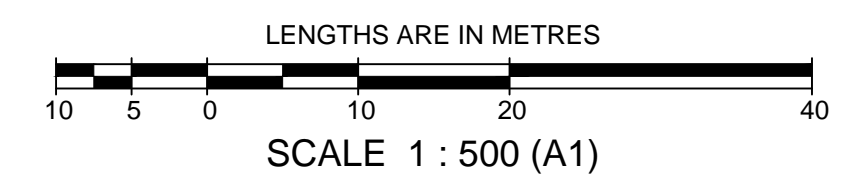
		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 356-C-1 SURVEY BPD DESIGN J.B. DRAWN I.W.		<b>ASPIRE ESTATE          STAGE 33          EARTHWORKS PLAN</b>	
MUNICIPALITY <b>MELTON</b>		REFERENCE <b>8226 E/33</b>	
AMENDMENTS A 22.02.23 CONSTRUCTION ISSUE	CHECKED C. HAGAN SCALE AS SHOWN DATUM AHD DATE APRIL 2022	SHEET 21 OF 22	A





SYMBOL LEGEND	
Prop	Prop Stage
Drains	Ex/Natural/FS Level
Main Drains	FS @ Building Line
Sewer < 3000	Top/Toe of Batter
Sewer ≥ 3000	Top Ret. Wall Level
Water (DW)	100yr Flood Level
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	

**AS CONSTRUCTED**



AMENDMENTS		MELWAY REF. 356-C-1		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
DESIGN J.B		ASPIRE ESTATE STAGE 33 EARTHWORKS PLAN		REFERENCE 8226 E/33		SHEET 22 OF 22	
VER	DATE	REMARKS	CHECKED C. HAGAN	SCALE AS SHOWN	DATUM AHD	DATE APRIL 2022	SHEET 22 OF 22