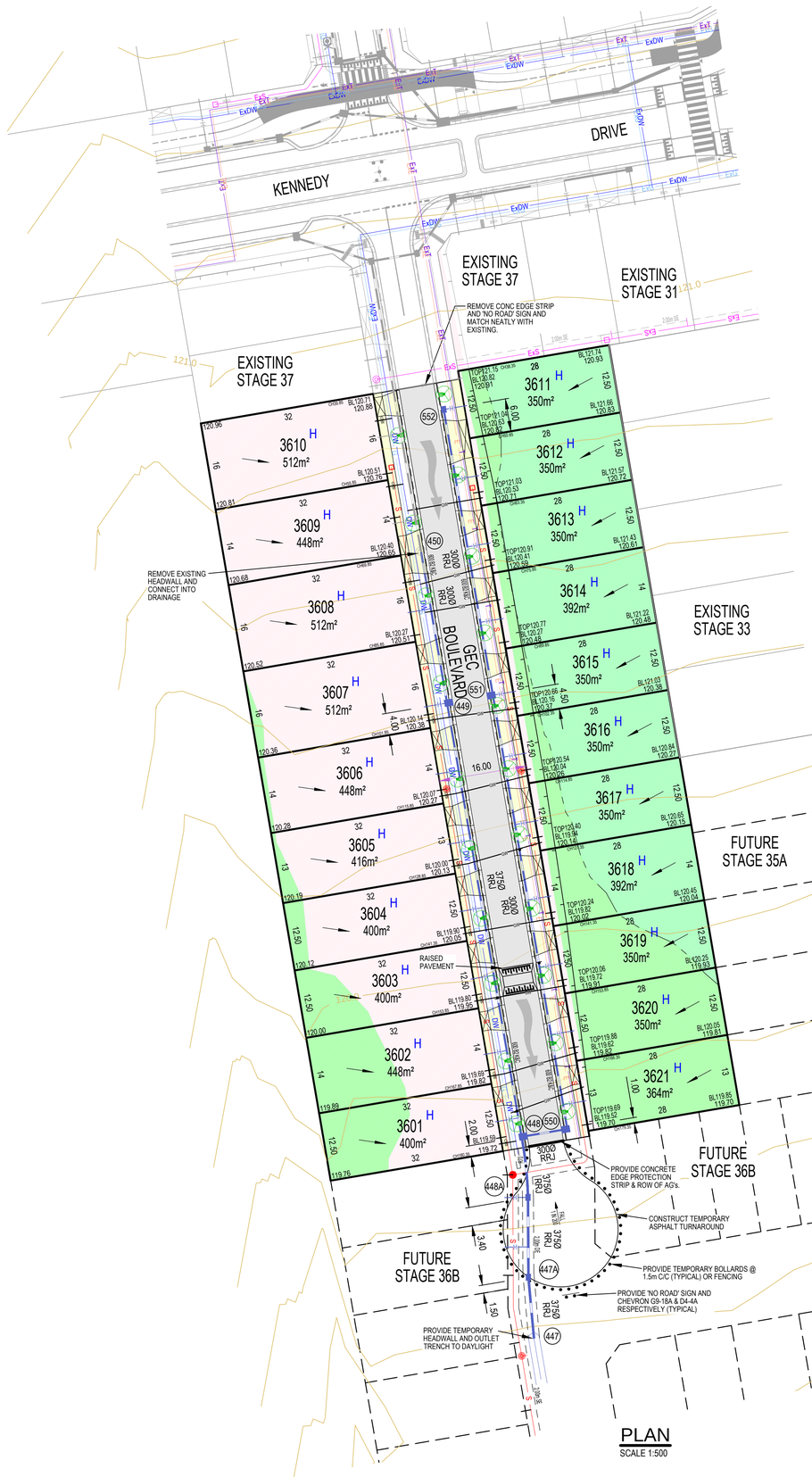
NORTH



PLAN
SCALE 1:500

LENGTHS ARE IN METRES
10 5 0 10 20 40
SCALE 1 : 500 (A1)

SERVICE OFFSETS AND LOCATION TABLE

Location	Gas	Water		Telecommunications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		DW	DW	Cables	Pits	Cables	Poles				
GEC BOULEVARD	2.10 W		2.60 W	1.80 E	1.80 E	2.30 E	1.00 BOK	4.20 E 4.20 W	16.00	G&W, FTTH&E	ACCESS PLACE

NOTE: * OFFSET FROM BACK OF KERB

SHEET INDEX

SHT No.	VER	Description
1	P1	LAYOUT PLAN SHEET
2	P1	TYPICAL CROSS SECTIONS, GENERAL DETAILS,
		ROAD PAVEMENT DETAILS & NOTES
3	P1	LONGITUDINAL & CROSS SECTIONS GEC BOULEVARD
4	P1	DRAINAGE LONGITUDINAL SECTION & DRAINAGE STRUCTURE DETAILS
5	P1	SIGNAGE & LINEMARKING PLAN
6	P1	PASSIVE IRRIGATION PLAN
7	P1	MOBILITY PLAN
8	P1	EARTHWORKS PLAN

WARNING

BEWARE OF UNDERGROUND SERVICES

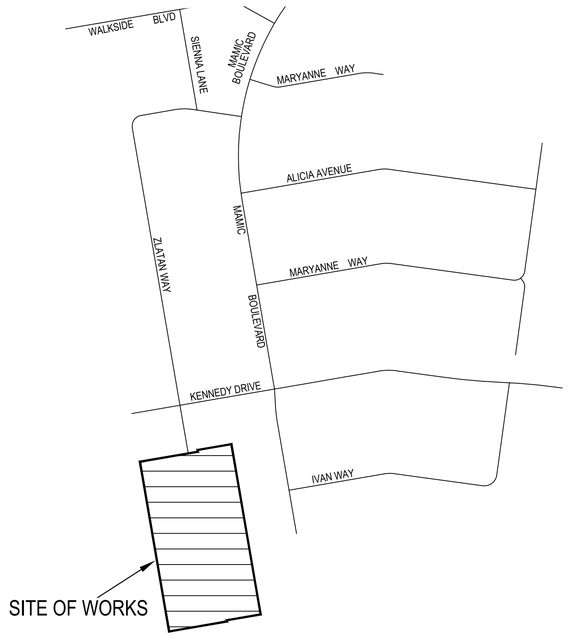
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ATTENTION TO CONTRACTOR

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

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 6.
FINAL STREET PIT LOCATION TO BE COORDINATED WITH LANDSCAPE DRAWINGS.



SITE LOCALITY PLAN
NOT TO SCALE

SYMBOL LEGEND

Drains	Prop / Prev Stage	Ex/Natural/FS Level
Main Drains		FS @ Building Line
Sewer < 300Ø	S / S	Top/Toe of Batter
Sewer ≥ 300Ø	S / S	Top Ret. Wall Level
Water (DW)	DW / W	100yr Flood Level
Water (NDW)	NDW / W	Fill Proposed (<0.3m/≥0.3m)
House Drain	H / H	Cut Proposed
Property Inlet		Aspalt 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	GW / GW	
Conduits 100mm	W100 / W100	
Street Tree without/with Passive Irrigation (Refer Detail)		
Ex Drains		
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	

AMENDMENTS

VER	DATE	REMARKS

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
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

ASPIRE ESTATE STAGE 36A LAYOUT PLAN

MUNICIPALITY: MELTON
REFERENCE: 8226 E/36A
SCALE: AS SHOWN | DATUM: AHD | DATE: JUNE 2022 | SHEET: 1 OF 8 | P1

GENERAL NOTES

1. CONSTRUCTION PLANS MUST BE ACCOMPANIED BY THE APPROVED SPECIFICATION. NO WORK IS TO COMMENCE WITHOUT EVIDENCE OF POSSESSION OF EACH.

2. ALL WORKS TO BE CARRIED OUT TO STANDARD DRAWINGS AND SPECIFICATION AS APPROVED BY CITY OF MELTON AND TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER. IN CASE OF A DISPUTE THE SPECIFICATION MUST TAKE PRECEDENCE.

3. FOR SPECIFICATION REFER SPECIFICATION STAGE 1. TAYLORS HILL ESTATE (INCORPORATING UPDATED SECTION 1A)

4. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.

5. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 400mm. REFER VPA STD DWGS EDCM701, EDCM702 & EDCM703.

6. LOTS DENOTED THUS 25H ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 5.5m FROM LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. REFER VPA STD DWGS EDCM701 & EDCM703.

7. AGRICULTURAL PIPE DRAINS, AS PER VPA STD DWG EDCM202, TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER.

8. DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM PIPE CHAINAGES. CENTRELINE OF PITS AT TP's TO BE OFFSET 1.00 METRE.

9. ALL 150mm TO 750mm DIA. TO BE R.C.(RRJ) AND 825mm DIA. AND GREATER TO BE R.C.(IJ). PIPES LAYED ON A CURVE TO BE RRJ. ALL CONCRETE PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED.

10. WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UPTO A LEVEL WHERE THE 45Deg. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.

11. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO A RELATIVE COMPACTION OF 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING :
 i) BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
 ii) ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.
 (TRENCHES TO BE BACKFILLED IN LAYERS NOT EXCEEDING 200mm LOOSE.)

12. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.

13. BATTERS SHALL BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS OTHERWISE SHOWN.

14. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE.

15. LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER, ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE.

16. ALL RESERVE AREAS ARE TO BE SMOOTHED, GRADED, TOPSOILED WHERE REQUIRED WITH A 100mm COMPACTED LAYER OF TOPSOIL AND SEEDED ,USING AN APPROVED SEED MIX AND METHOD OF SOWING, SUCH THAT THE SURFACE IS SELF-DRAINING, STONE FREE AND ABLE TO BE MAINTAINED BY CONVENTIONAL MOWING EQUIPMENT.

17. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON THE PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.2.1-1993. TESTING TO COMPLY WITH AS3798-1996 APPENDIX B, LEVEL 1.

18. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.

19. EARTH FILL IS TO BE COMPACTED TO A RELATIVE COMPACTION COMPARED TO A STANDARD COMPACTION TEST AS SPECIFIED BY VICROADS CORPORATION OF:
 -100% FOR ALL FILL MATERIAL AND MATERIAL UNDER FILL THAT IS LESS THAN 450mm FROM THE SURFACE.
 -95% FOR ALL FILL NOT COVERED AS ABOVE.

20. NATURESTRIP AND AREAS OF CUT ARE TO BE TOPSOILED AND GRASSED TO THE SATISFACTION OF THE ENGINEER. MINIMUM DEPTH TO BE 100mm.

21. ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER. NO EXCAVATION WITHIN 5m OF ANY EXISTING NATIVE TREE WITHOUT APPROVAL OF THE ENGINEER.

22. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED, BY THE CONTRACTOR, PRIOR TO THE COMMENCEMENT OF WORKS.

23. SERVICES CONDUITS ARE TO BE PROVIDED AT 90deg TO KERB AND CHANNEL UNLESS OTHERWISE SHOWN AND THE LOCATION IS TO BE MARKED ON THE FACE OF KERB. ALL SERVICE CONDUITS TO BE MINIMUM STANDARD OF CLASS 6, WITH A MINIMUM COVER OF 75mm ABOVE TOP OF CONDUIT TO SUB GRADE LEVEL, AND A SIZE SUITABLE TO SERVICE BUT NOT LESS THAN 50mm.

24. WATER AND GAS CONDUITS TO BE CONSTRUCTED ACROSS NATURE STRIPS AFTER ELECTRICAL CABLE WORK IS COMPLETED.

25. THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETER MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.

27. VEHICLE CROSSINGS TO BE OFFSET 0.75m FROM SIDE BOUNDARYS AND EASEMENTS UNLESS OTHERWISE SHOWN AND A MINIMUM OF 0.75m CLEAR OF PITS. VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MELTON STANDARD DRAWINGS MSC501 TO MSC506.

 VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH GAA STANDARD

 450mm LONG N12 DEFORMED BARS, CENTRALLY LOCATED, AT 300mm CENTRES.

28. ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/CYCLE PATHS SHALL BE 2.5m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED WITH SL72 MESH 50mm TOP COVER AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER VPA STD DWG EDCM401.

29. PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER TO COUNCIL STD DWG MCC403.

30. STREET SIGNS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARDS.

31. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER, PROVIDE AND MAINTAIN INCLUSIVE OF STREET SIGNS, ALL NECESSARY REGULATORY SIGNS, WARNING SIGNS, LIGHTING, LINEMARKING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF VICROADS SIGNING CODE OF PRACTICE.

32. THE CONTRACTOR IS TO SUPPLY AND ERECT ALL RELEVANT STREET SIGNAGE AND LINE MARKING AS PART OF THE CONTRACT IN ACCORDANCE WITH VICROADS SPECIFICATION SECTIONS 710 & 722 AND AS1742.1, .2 & .3

33. ALL ROADS TO BE CONSTRUCTED WITH B2 KERB & CHANNEL UNLESS OTHERWISE SHOWN. REFER VPA STD DWG EDCM301.

34. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A ROAD OPENING PERMIT FOR WORKS IN PREVIOUSLY CONSTRUCTED ROADWAYS.

35. IF BLASTING IS REQUIRED THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT TO BLAST AND MAINTAINING SAFETY REGULATIONS ON SITE IN COMPLIANCE WITH THE EXPLOSIVES ACT 1960.
 THE PERSON WHO IS USING THE EXPLOSIVES ON THE SITE IS TO BE A HOLDER OF A CURRENT PERMIT TO USE EXPLOSIVES ISSUED UNDER THE EXPLOSIVES ACT 1960.

36. PATTERNED CONCRETE TO BE DOWELLED INTO ADJACENT KERB AND CHANNEL AT 300mm CTS USING 450mm LONG S12 BARS. ONE END OF DOWEL TO BE SLEEVED OR GREASED.

37. THE RELATIVE COMPACTION OF CRUSHED ROCK SHALL BE COMPLETED AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY (BASED ON THE PERCENTAGE OF THE MAXIMUM DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS BELOW.
 FOR DEPTH 0-100mm BELOW TOP OF BASE: RELATIVE COMPACTION = 100%
 FOR DEPTH 100-300mm BELOW TOP OF BASE: RELATIVE COMPACTION = 98%
 FOR DEPTH OVER 300mm BELOW TOP OF BASE: RELATIVE COMPACTION = 97%

38. THE SUBGRADE BELOW ALL PAVEMENTS SHALL BE COMPACTED TO A DRY DENSITY OF NOT LESS THAN 100% OF THE MAXIMUM DRY DENSITY OBTAINED IN THE STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm AND IN AREAS OF FILL TO A DEPTH OF 450mm.

39. CONCRETE TO HAVE A 28 DAY STRENGTH OF 25 Mpa.

40. ALL SPLAYS ARE 3.00m X 3.00m UNLESS OTHERWISE SHOWN.

41. ALL LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (A.H.D.)

42. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL SUPERVISING ENGINEER.

43. THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM,s AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.

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

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

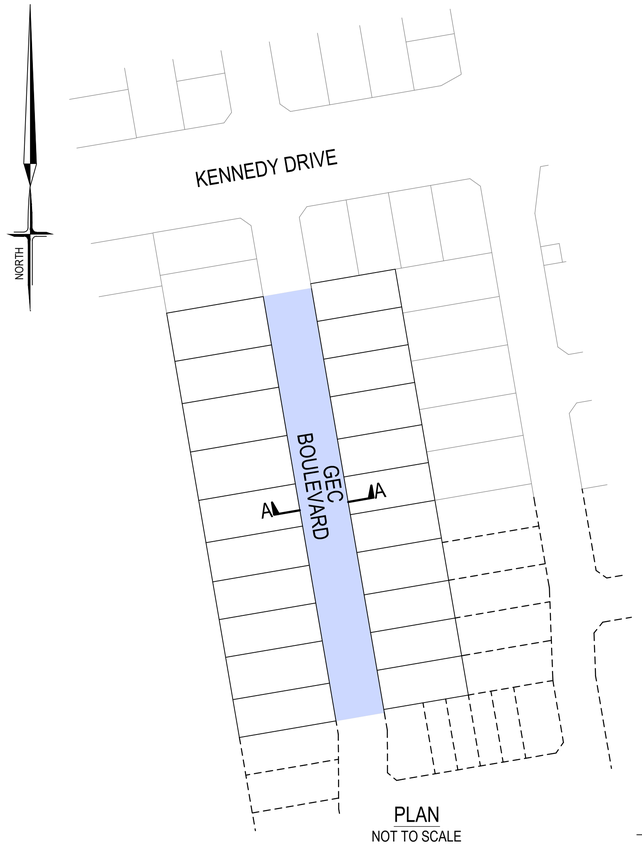
46. PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD. DWG. 7251/4/203) ALONG FULL EXTENT OF OUTFALL DRAINS. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.

PIT SCHEDULE NOTES

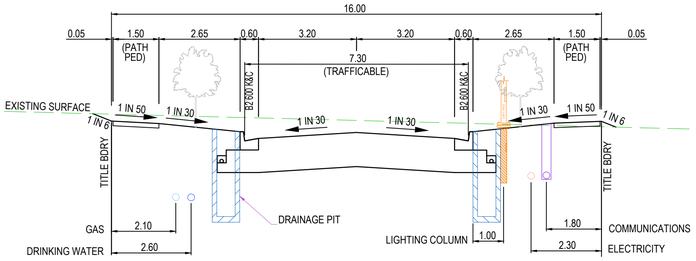
1. WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm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

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

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

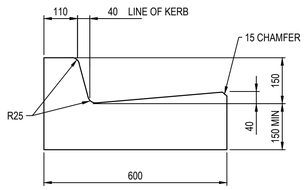


PLAN
NOT TO SCALE

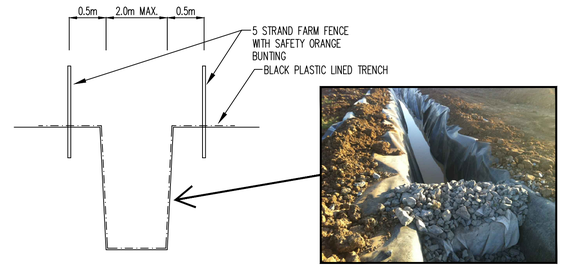


GEC BOULEVARD
16.0m ROAD RESERVE
LOCAL ACCESS STREET

TYPICAL CROSS SECTION
SCALE HORIZONTAL 1:100
VERTICAL 1:50



B2 600 KERB DETAIL
NOT TO SCALE

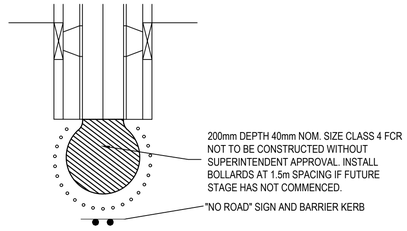


TEMPORARY OUTLET TRENCH
NOT TO SCALE

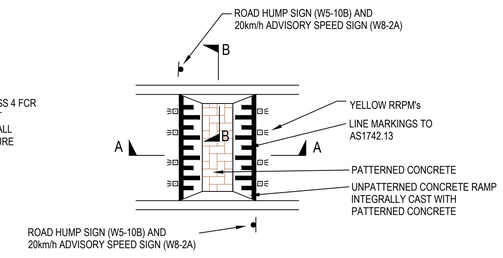
SPECIFICATION FOR SAMI SEAL

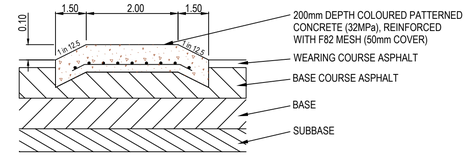
THE SAMI TREATMENT SHOULD CONSIST OF A SIZE 10 SPRAYED SEAL USING CLASS S18RF BITUMEN CRUMB RUBBER BINDER PLACED AT AN APPLICATION RATE > 1.8l/m2 AND COVERED WITH A LIGHT APPLICATION OF PRE-COATED SIZE 10 AGGREGATE. THE CLASS S18RF BINDER SHALL BE PRODUCED USING NOT LESS THAN 20 PARTS OF CRUMBED RUBBER (18%) BY MASS OF BINDER. THE VOLUME OF CARRIER OIL USED BEFORE ANY CUTTING OIL IS ADDED SHALL NOT EXCEED 4 PARTS BY VOLUME OF BINDER.

IT IS IMPORTANT THAT THERE IS NO LOOSE AGGREGATE REMAINING ON THE SAMI SURFACE WHEN THE STRUCTURAL COURSE ASPHALT IS PLACED SO AS TO ENSURE A STRONG BOND BETWEEN THE SAMI TREATMENT AND THE SUBSEQUENT ASPHALT LAYER. THE SAMI TREATMENT SHALL BE PRECEDED BY PLACEMENT OF A BITUMENOUS PRIME, AND NOT A PRIMER SEAL, APPLIED TO THE UNDERLYING UNBOUND BASE MATERIAL.

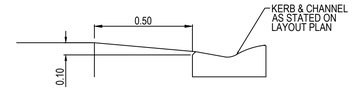


TYPICAL TEMPORARY TURN AREA DETAIL
NOT TO SCALE



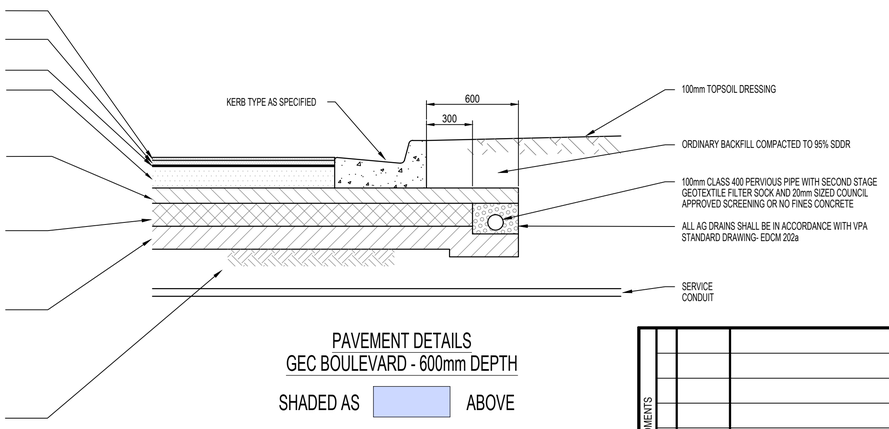


SECTION A-A



SECTION B-B

SPEED CONTROL DEVICE DETAIL
NOT TO SCALE



PAVEMENT DETAILS
GEC BOULEVARD - 600mm DEPTH
SHADED AS ABOVE

AMENDMENTS

VER	DATE	REMARKS

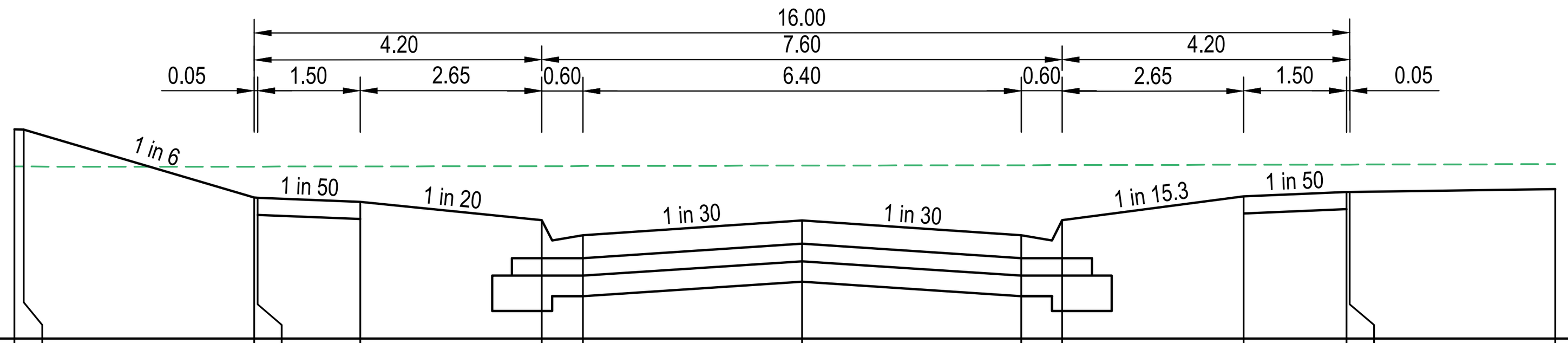
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	356-C-1
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

ASPIRE ESTATE
STAGE 36A
TYPICAL CROSS SECTIONS

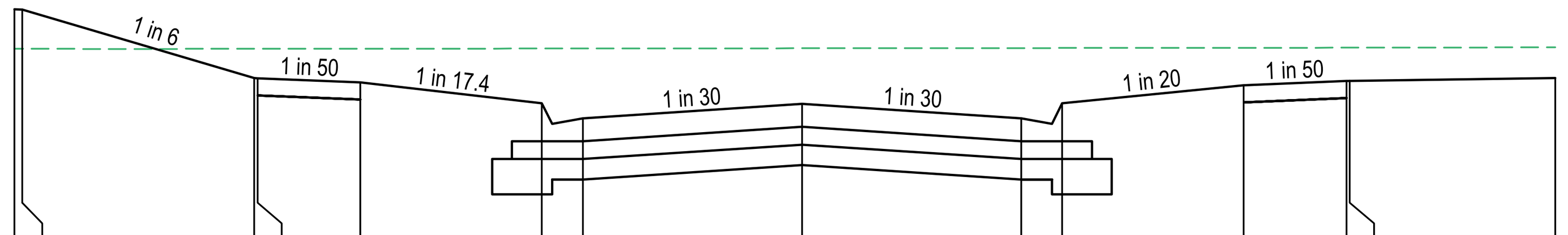
MUNICIPALITY: MELTON
REFERENCE: 8226 E/36A

SCALE AS SHOWN | DATUM AHD | DATE JUNE 2022 | SHEET 2 OF 8 | P1



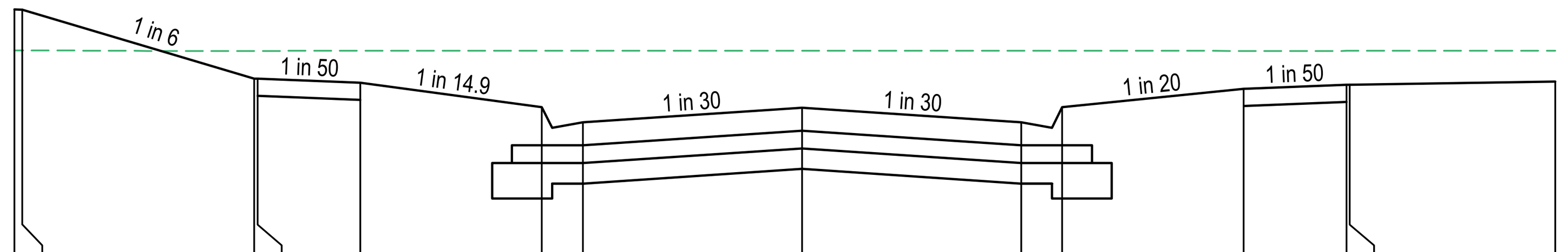
DESIGN RL'S	120.53	120.53	120.03	120.03	120.00	119.87	119.76	119.86	119.76	119.87	120.04	120.07	120.07	120.09
EXIST RL'S	120.25	120.25	120.25	120.25	120.26	120.26	120.26	120.26	120.27	120.27	120.27	120.27	120.27	120.27
OFFSETS	-11.50	-10.98	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 115.85



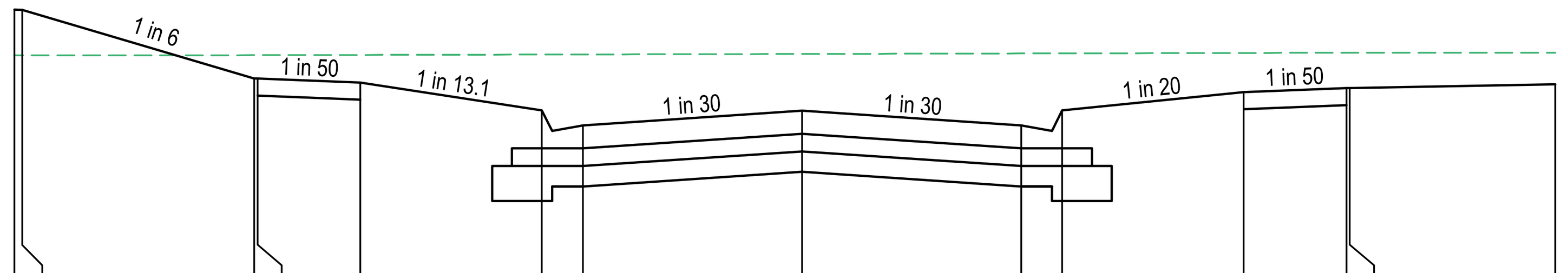
DESIGN RL'S	120.66	120.66	120.16	120.16	120.13	119.98	119.87	119.97	119.87	119.98	120.11	120.14	120.14	120.16
EXIST RL'S	120.37	120.37	120.37	120.37	120.38	120.38	120.38	120.38	120.38	120.38	120.38	120.38	120.38	120.38
OFFSETS	-11.50	-11.00	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 101.85



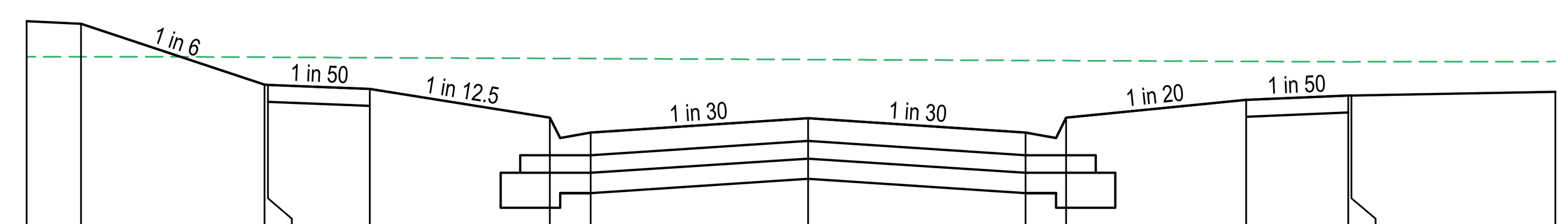
DESIGN RL'S	120.81	120.81	120.31	120.31	120.28	120.11	120.00	120.10	120.00	120.11	120.24	120.27	120.27	120.29
EXIST RL'S	120.52	120.52	120.51	120.51	120.51	120.52	120.52	120.52	120.52	120.52	120.51	120.51	120.52	120.52
OFFSETS	-11.50	-11.00	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 85.85



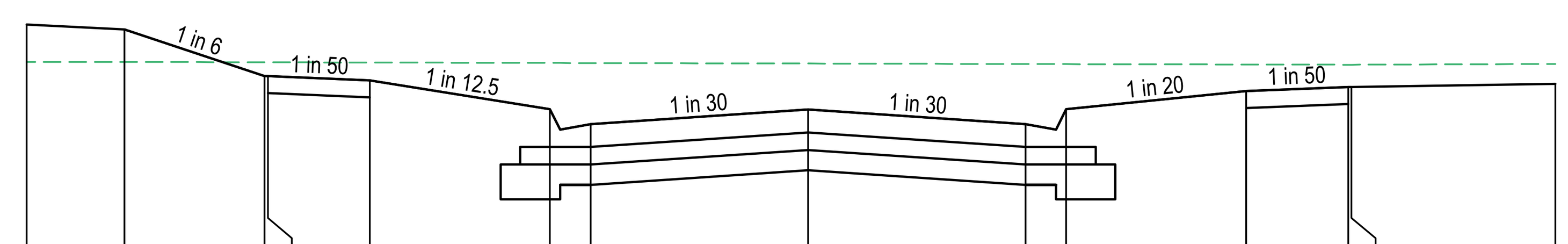
DESIGN RL'S	120.97	120.97	120.47	120.47	120.44	120.23	120.12	120.23	120.12	120.23	120.37	120.40	120.40	120.42
EXIST RL'S	120.63	120.63	120.64	120.64	120.64	120.64	120.64	120.65	120.65	120.65	120.65	120.65	120.65	120.65
OFFSETS	-11.50	-11.00	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 69.85



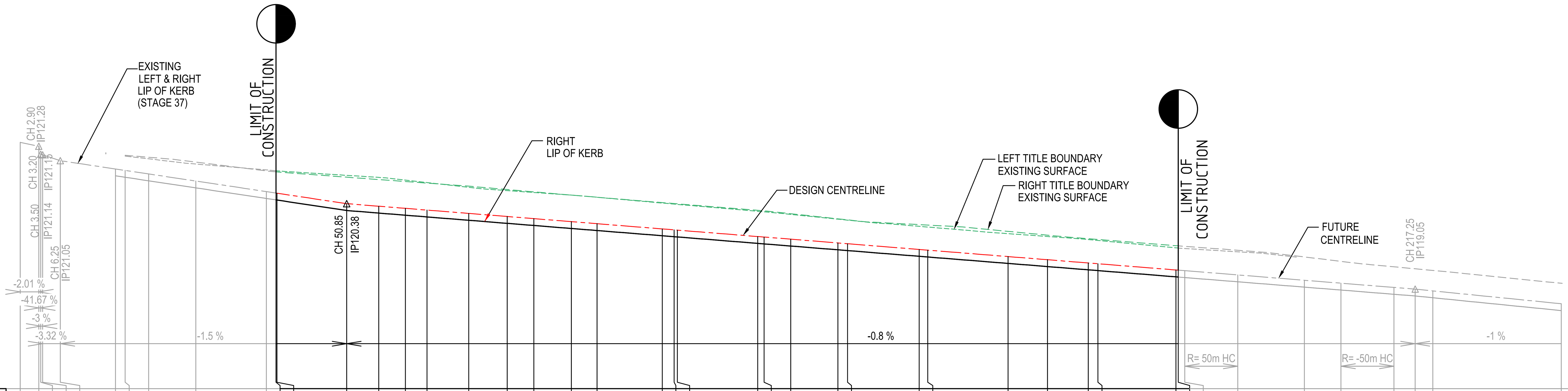
DESIGN RL'S	121.06	121.04	120.59	120.59	120.56	120.35	120.24	120.34	120.24	120.35	120.48	120.51	120.51	120.54
EXIST RL'S	120.79	120.79	120.79	120.79	120.79	120.78	120.78	120.77	120.77	120.77	120.76	120.76	120.76	120.76
OFFSETS	-11.50	-10.70	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 55.85



DESIGN RL'S	121.17	121.14	120.79	120.79	120.76	120.55	120.44	120.55	120.44	120.55	120.68	120.71	120.71	120.74
EXIST RL'S	120.90	120.90	120.89	120.89	120.89	120.89	120.89	120.89	120.88	120.88	120.88	120.88	120.88	120.88
OFFSETS	-11.50	-10.06	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

LIMIT OF WORKS CH 39.85



DESIGN CL VC LENGTH

DESIGN CL GRADING: -2.01 %, -41.67 %, -3 %, -3.32 %, -1.5 %, -0.8 %, -1 %

HORIZONTAL GEOMETRY: R= 50m HC, R= -50m HC

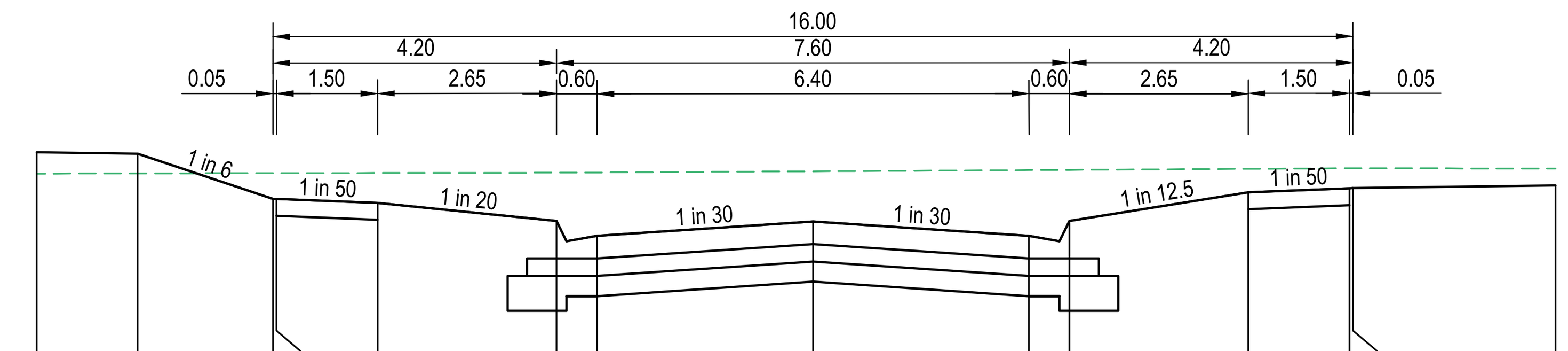
DATUM RL116

ES LEFT TITLE BDY							121.12	121.08	121.00	120.91	120.89	120.89
FS LEFT TITLE BDY							121.15	121.09	120.98	120.82	120.79	120.79
LEFT LIP OF KERB						120.81	120.79	120.74	120.63	120.46	120.44	120.44
DESIGN CL	121.33	121.28	121.15	121.14	121.05	120.92	120.90	120.84	120.73	120.57	120.55	120.54
RIGHT LIP OF KERB						120.81	120.79	120.74	120.63	120.46	120.44	120.44
FS RIGHT TITLE BDY							121.03	120.99	120.90	120.74	120.71	120.71
ES RIGHT TITLE BDY							121.13	121.10	121.03	120.89	120.88	120.88
CHAINAGE DESIGN CL	0.00	2.90	3.20	3.50	6.25	14.85	16.35	20.00	27.35	38.35	39.85	40.00

ES LEFT TITLE BDY	120.82	120.79	120.75	120.71	120.64	120.59	120.56	120.51	120.48	120.39	120.37	120.37
FS LEFT TITLE BDY	120.63	120.59	120.55	120.53	120.47	120.41	120.37	120.31	120.27	120.18	120.16	120.16
LEFT LIP OF KERB	120.27	120.23	120.20	120.17	120.12	120.07	120.04	119.99	119.96	119.88	119.87	119.86
DESIGN CL	120.38	120.34	120.31	120.28	120.23	120.18	120.15	120.10	120.07	119.99	119.97	119.97
RIGHT LIP OF KERB	120.27	120.23	120.20	120.17	120.12	120.07	120.04	119.99	119.96	119.88	119.87	119.86
FS RIGHT TITLE BDY	120.55	120.51	120.48	120.45	120.40	120.35	120.32	120.27	120.24	120.16	120.14	120.14
ES RIGHT TITLE BDY	120.79	120.76	120.73	120.70	120.65	120.60	120.57	120.51	120.48	120.40	120.38	120.38
CHAINAGE DESIGN CL	50.85	55.85	60.00	63.35	69.85	75.85	80.00	85.85	89.85	100.00	101.85	102.35

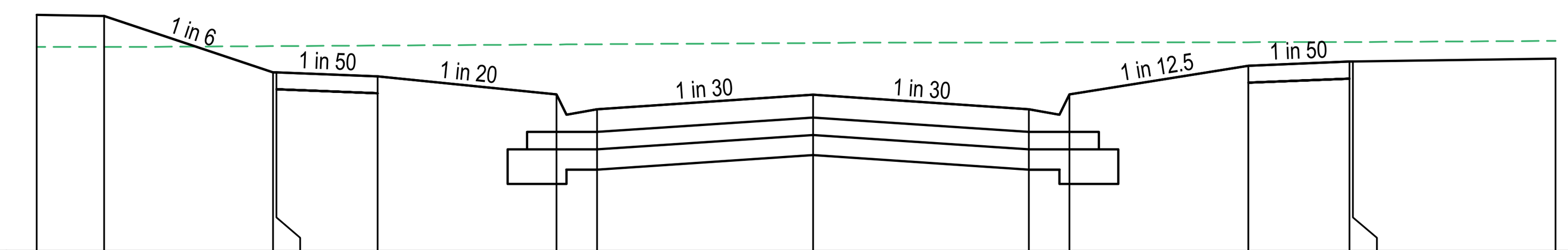
ES LEFT TITLE BDY	120.26	120.25	120.21	120.14	120.13	120.03	120.02	119.91	119.87	119.82	119.81	119.69
FS LEFT TITLE BDY	120.04	120.03	120.00	119.94	119.92	119.84	119.82	119.72	119.68	119.62	119.61	119.52
LEFT LIP OF KERB	119.76	119.75	119.72	119.66	119.65	119.56	119.55	119.45	119.40	119.35	119.34	119.24
DESIGN CL	119.87	119.86	119.83	119.77	119.76	119.67	119.66	119.56	119.51	119.46	119.45	119.35
RIGHT LIP OF KERB	119.76	119.75	119.72	119.66	119.65	119.56	119.55	119.45	119.40	119.35	119.34	119.24
FS RIGHT TITLE BDY	120.07	120.07	120.05	120.01	120.00	119.91	119.90	119.80	119.75	119.70	119.69	119.59
ES RIGHT TITLE BDY	120.28	120.27	120.23	120.15	120.13	120.05	120.05	119.95	119.89	119.84	119.82	119.73
CHAINAGE DESIGN CL	114.85	115.85	120.00	127.35	128.85	140.00	141.35	153.85	160.00	166.35	167.85	180.00

ES LEFT TITLE BDY	119.69	119.68	119.63						
FS LEFT TITLE BDY	119.51	119.50	119.44						118.99
LEFT LIP OF KERB	119.24	119.23	119.16	119.08	119.04	118.97	118.94	118.92	118.72
DESIGN CL	119.35	119.34	119.27	119.19	119.14	119.08	119.05	119.02	118.82
RIGHT LIP OF KERB	119.24	119.23	119.16	119.08	119.04	118.97	118.94	118.92	118.72
FS RIGHT TITLE BDY	119.59	119.58	119.51	119.41	119.36	119.28	119.25	119.22	118.99
ES RIGHT TITLE BDY	119.72	119.71	119.66	119.55	119.49	119.39	119.36	119.34	119.14
CHAINAGE DESIGN CL	180.35	181.37	189.63	200.00	205.69	213.94	217.25	220.00	240.00



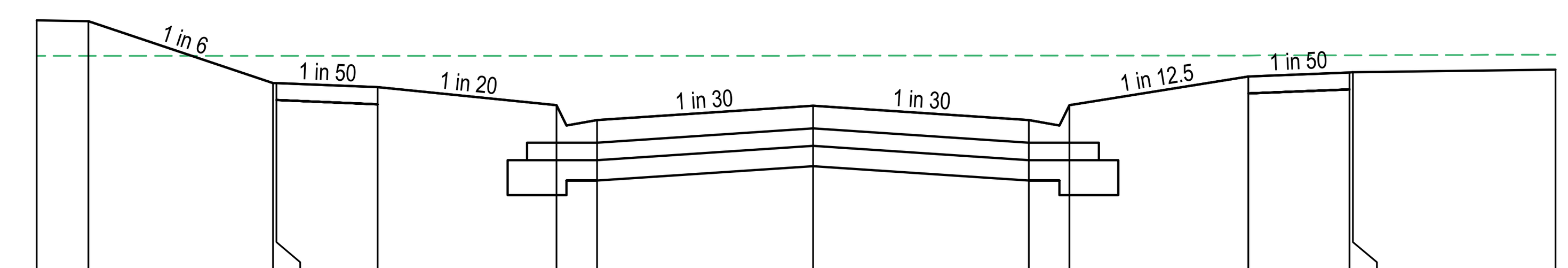
DESIGN RL'S	120.05	120.06	119.72	119.72	119.69	119.56	119.45	119.56	119.45	119.56	119.77	119.80	119.80	119.82
EXIST RL'S	119.90	119.91	119.91	119.91	119.92	119.92	119.92	119.93	119.94	119.94	119.95	119.95	119.95	119.95
OFFSETS	-11.50	-10.01	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 153.85



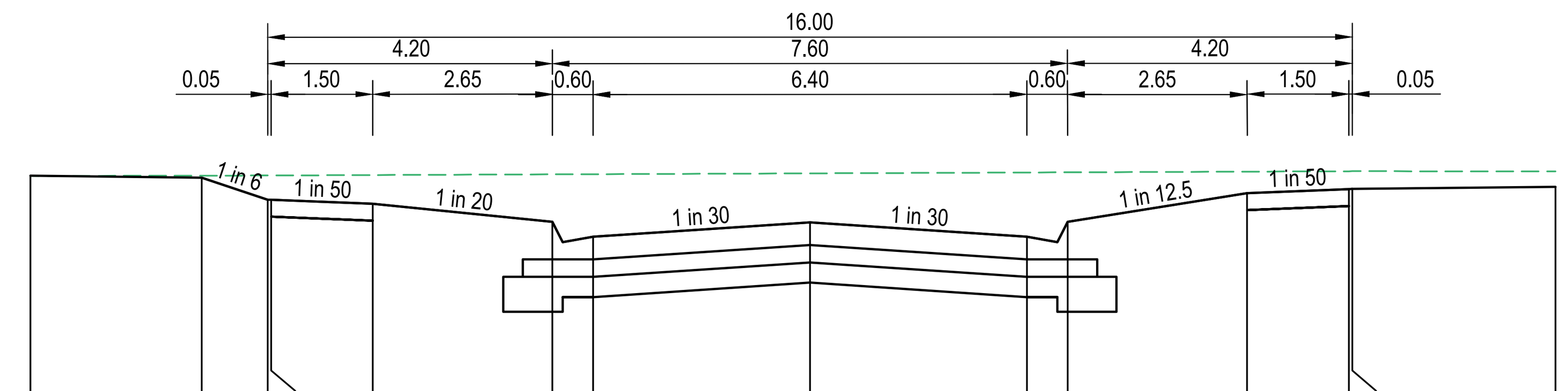
DESIGN RL'S	120.25	120.24	119.82	119.82	119.79	119.66	119.55	119.66	119.55	119.66	119.87	119.90	119.90	119.92
EXIST RL'S	120.00	120.01	120.02	120.02	120.02	120.03	120.03	120.04	120.05	120.05	120.05	120.05	120.05	120.05
OFFSETS	-11.50	-10.50	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 141.35



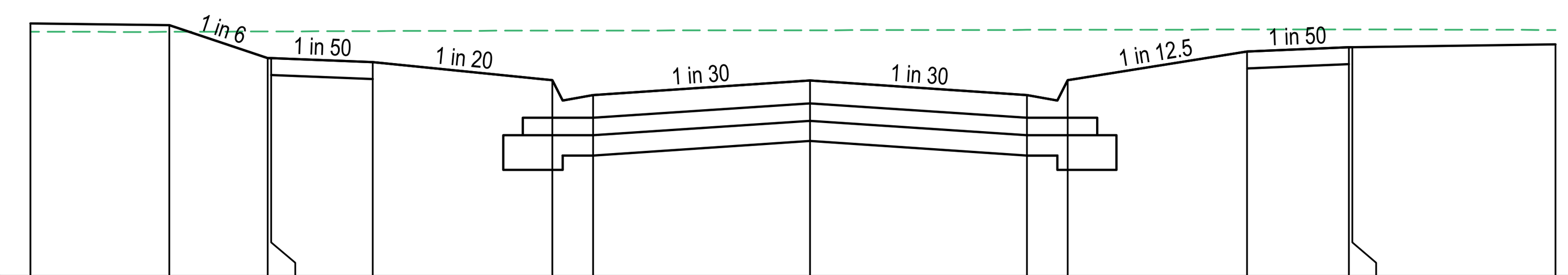
DESIGN RL'S	120.39	120.38	119.92	119.92	119.89	119.76	119.65	119.76	119.65	119.76	119.97	120.00	120.00	120.02
EXIST RL'S	120.12	120.13	120.13	120.13	120.13	120.13	120.13	120.13	120.13	120.13	120.13	120.13	120.13	120.13
OFFSETS	-11.50	-10.74	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 128.85



DESIGN RL'S	119.69	119.68	119.51	119.51	119.48	119.35	119.24	119.35	119.24	119.35	119.56	119.59	119.59	119.61
EXIST RL'S	119.69	119.69	119.69	119.69	119.69	119.70	119.70	119.71	119.71	119.71	119.72	119.72	119.72	119.72
OFFSETS	-11.50	-8.97	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

LIMIT OF WORKS CH 180.35



DESIGN RL'S	119.87	119.86	119.61	119.61	119.58	119.45	119.34	119.45	119.34	119.45	119.66	119.69	119.69	119.71
EXIST RL'S	119.80	119.81	119.81	119.81	119.81	119.81	119.82	119.82	119.82	119.82	119.82	119.82	119.82	119.82
OFFSETS	-11.50	-9.45	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	11.00

CH 167.85

GEC BOULEVARD

LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500
VERTICAL 1:50

SCALE H 1:500 V 1:50 @A1

HORIZ 10 5 00 10 20 40

VERT 1 0.5 00 1 2 4

LENGTHS ARE IN METRES

CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50

SCALE H 1:100 V 1:50 @A1

HORIZ 2 1 00 2 4 8

VERT 1 0.5 00 1 2 4

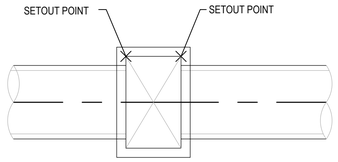
LENGTHS ARE IN METRES

PRELIMINARY

AMENDMENTS	VER	DATE	REMARKS

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

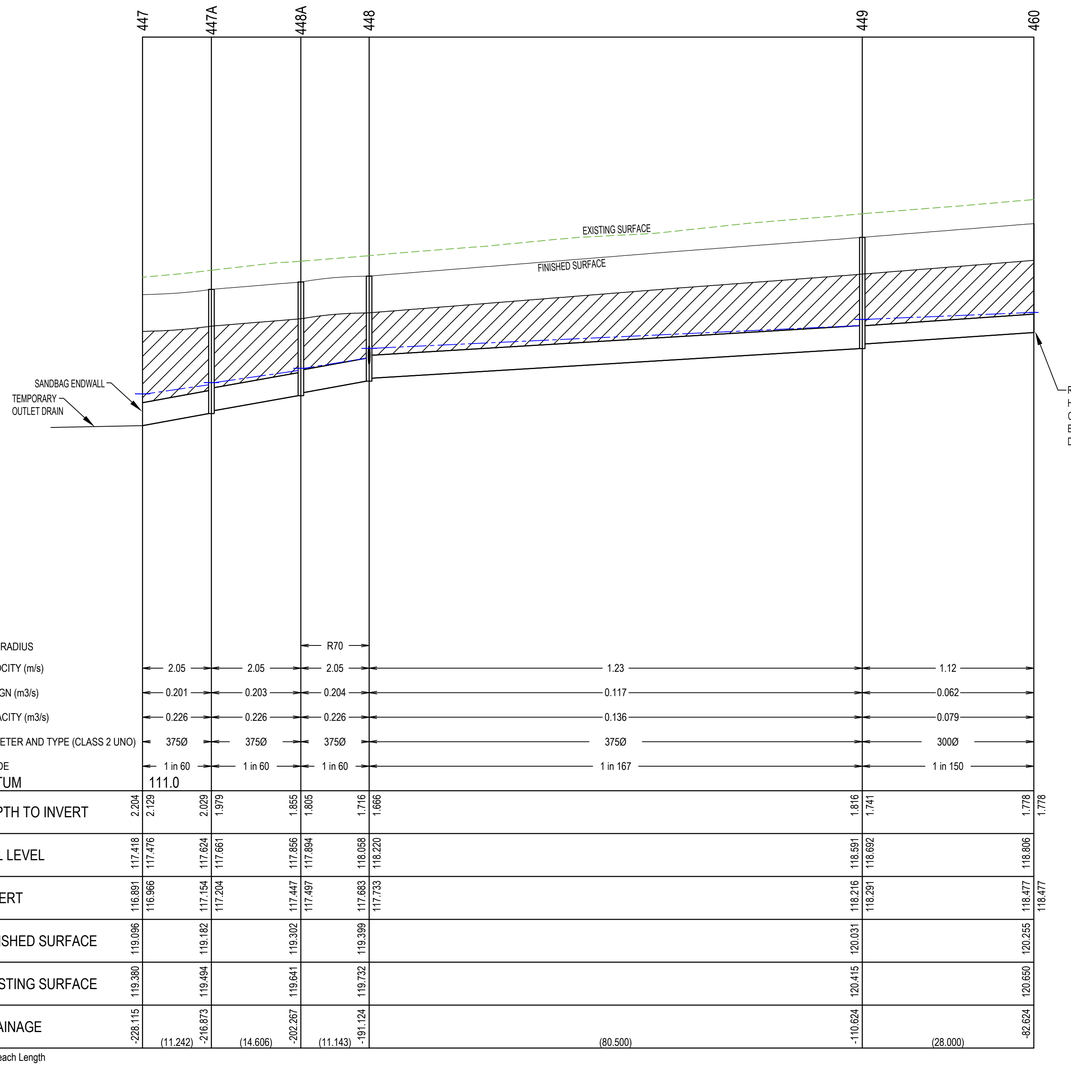
MELWAY REF.	356-C-1	ASPIRE ESTATE STAGE 36A GEC BOULEVARD	MUNICIPALITY MELTON
SURVEY	BPD		REFERENCE 8226 E/36A
DESIGN	J.B		
DRAWN	I.W		
CHECKED	C.Hagen	SCALE AS SHOWN / DATUM AHD / DATE JUNE 2022	SHEET 3 OF 8 P1



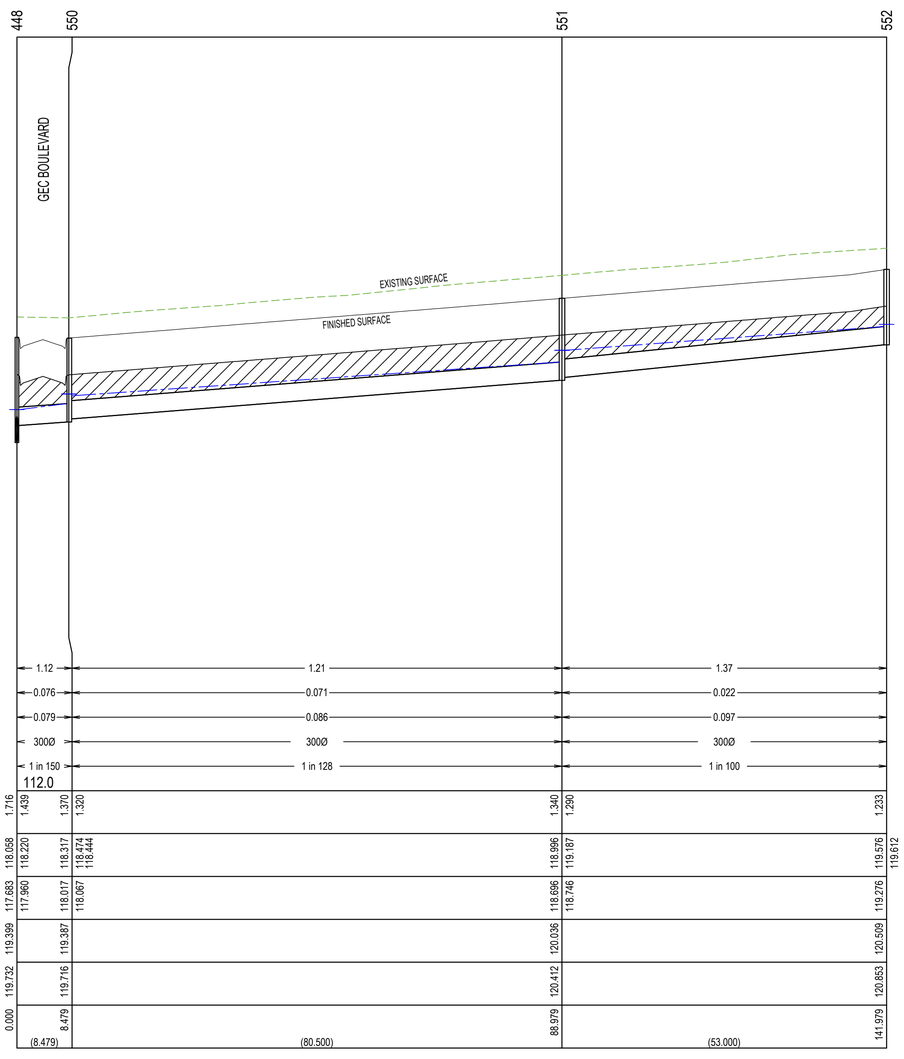
PIT SETOUT POINT DETAIL
NOT TO SCALE

STRUCTURE SCHEDULE

PIT No.	DESCRIPTION	INTERNAL DIMENSIONS L	INTERNAL DIMENSIONS W	INLET DIA	INLET LEVEL	OUTLET DIA	OUTLET LEVEL	BRANCH CONNECTION DIA	BRANCH CONNECTION LEVEL	TOP OF PIT	DEPTH OF PIT	REMARKS
447	End of Pipe					375	116.966			119.096	2.204	Construct Temporary Outlet Drain to Daylight.
												E: 298937.0148, N: 5824377.5106
447A	Junction Pit	600	900	375	117.204	375	117.154			119.182	2.029	EDCM605 with Class B Cover.
												E: 298936.2857, N: 5824389.1571 / E: 298936.2900, N:5824388.2571
448A	Junction Pit	600	900	375	117.497	375	117.447			119.302	1.855	EDCM605 with Class B Cover.
												E: 298936.2159, N: 5824403.7624 / E: 298936.2202, N:5824402.8624
448	Channel Grating Pit	600	900	375	117.733	375	117.683	300	117.96	119.399	1.716	EDCM601-EDCM605 with Class B Cover.
												E: 298934.9648, N: 5824414.8859 / E: 298935.1170, N:5824413.9989
449	Channel Grating Pit	600	900	300	118.291	375	118.216			120.031	1.816	EDCM601-EDCM605 with Class B Cover.
												E: 298921.3303, N: 5824494.2229 / E: 298921.4825, N:5824493.3359
460	End of Pipe (Existing)			300	118.477	300	118.477			120.255	1.778	Remove Headwall and Connect into Existing Drainage Pipe.
550	Channel Grating Pit	600	900	300	118.067	300	118.017			119.387	1.37	EDCM601-EDCM605 with Class B Cover.
												E: 298942.7299, N: 5824416.2183 / E: 298942.8821, N:5824415.3312
551	Channel Grating Pit	600	900	300	118.746	300	118.696			120.036	1.34	EDCM601-EDCM605 with Class B Cover.
												E: 298929.2688, N: 5824494.6718 / E: 298929.1166, N:5824495.5589
552	Junction Pit	600	900			300	119.276			120.509	1.233	EDCM605 with Class B Cover.
												E: 298920.2848, N: 5824546.9048 / E: 298920.1326, N:5824547.7919



L=Reach Length



LEGEND:

- EXISTING SURFACE PROFILE
- FINISHED SURFACE PROFILE
- INDICATES 5YR HGL
- INDICATES CRUSHED ROCK BACKFILL

LENGTHS ARE IN METRES
10 5 0 10 20 40
HORIZONTAL SCALE 1 : 500 (A1)

LENGTHS ARE IN METRES
1 0.5 0 1 2 4
VERTICAL SCALE 1 : 50 (A1)

PRELIMINARY

AMENDMENTS

VER	DATE	REMARKS

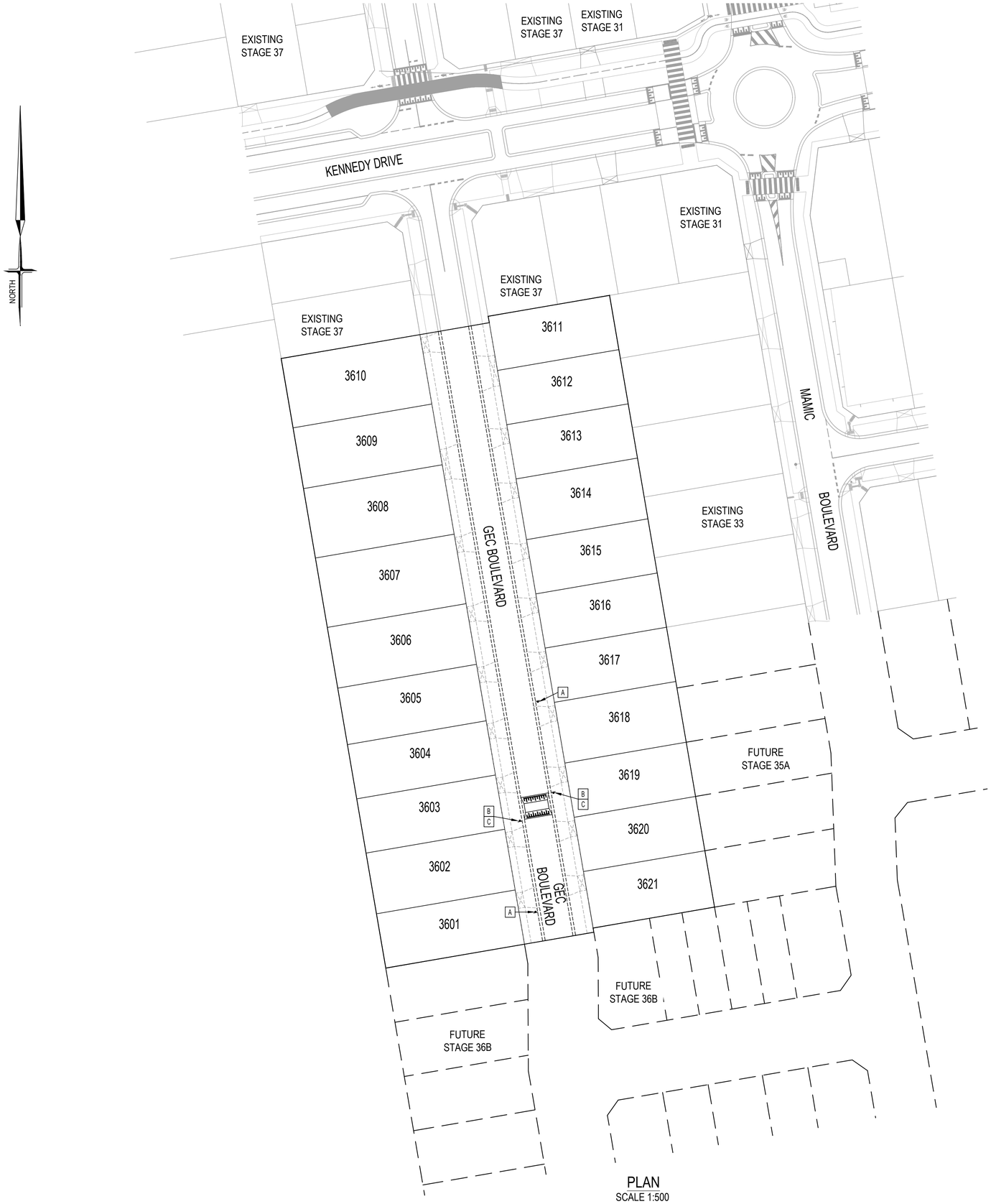
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	356-C-1
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

ASPIRE ESTATE
STAGE 36A
DRAINAGE LONGITUDINAL SECTIONS & DRAINAGE STRUCTURE DETAILS

MUNICIPALITY: MELTON
REFERENCE: 8226 E/36A

SCALE AS SHOWN | DATUM AHD | DATE JUNE 2022 | SHEET 4 OF 8 | P1



PLAN
SCALE 1:500

SIGNAGE LEGEND

A 'ROAD HUMP AHEAD' SIGN (W3-4)

B 'ROAD HUMP' SIGN (W5-10B)

C 20km/h ADVISORY SPEED SIGN (W8-2A)

LENGTHS ARE IN METRES

10 5 0 10 20 40

SCALE 1 : 500 (A1)

SYMBOL LEGEND

	Prop	Prev Stage
Drains		
Main Drains		
Sewer < 300Ø	S	S
Sewer ≥ 300Ø	S	S
Water (DW)	DW	W
Water (NDW)	NDW	W
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Rock Ret Wall		
Sleeper Ret Wall		
Conduits 50mm	GW	GW
Conduits 100mm	W100	W100
Street Tree without/with Passive Irrigation (Refer Detail)		
Ex Drains		
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	

Ex/Natural/FS Level +28.57 +NS28.57 +FS28.57

FS @ Building Line +BL28.57

Top/Toe of Batter +TOP28.57 +TOE28.57

Top Ret. Wall Level +TW28.57

100yr Flood Level +FL28.57

Fill Proposed (<0.3m/≥0.3m)

Cut Proposed

Aspalt Surface Prop

Concrete Surface Prop (Paths/Driveways/Slabs)

Tree To Be Removed

Tree To Be Retained with Tree Protection Zone (TPZ)

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

AMENDMENTS

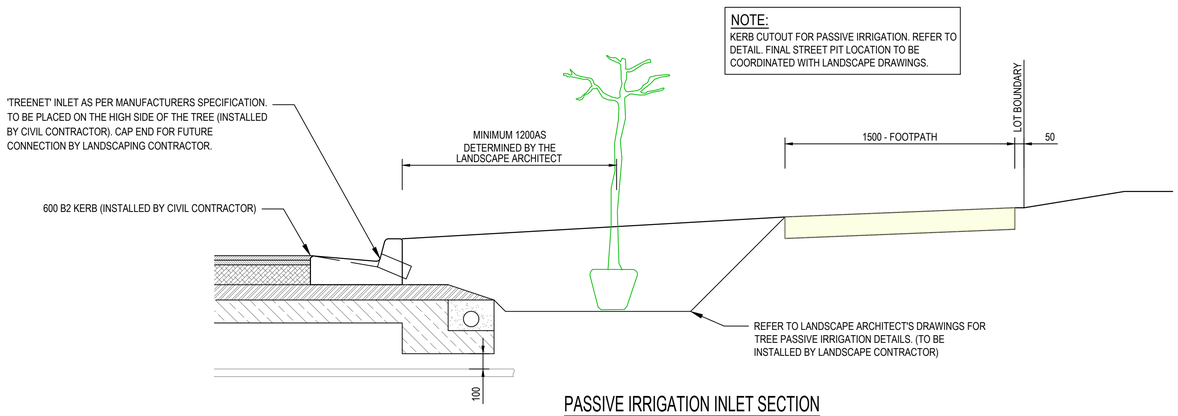
VER	DATE	REMARKS

MELWAY REF.	356-C-1
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

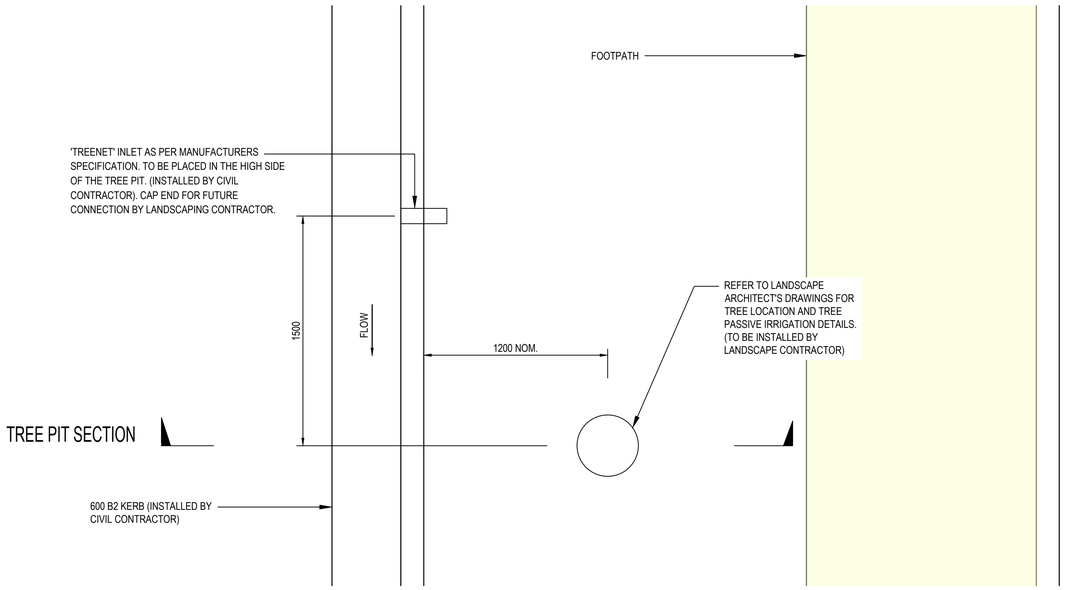
ASPIRE ESTATE
STAGE 36A
SIGNAGE & LINEMARKING PLAN

SCALE	1:500
DATUM	AHD
DATE	JUNE 2022
MUNICIPALITY	MELTON
REFERENCE	8226 E/36A
SHEET	5 OF 8
	P1

PLAN
SCALE 1:500



PASSIVE IRRIGATION INLET SECTION
SCALE - 1:20



PASSIVE IRRIGATION INLET DETAIL
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.

LENGTHS ARE IN METRES
10 5 0 10 20 40
SCALE 1 : 500 (A1)

SYMBOL LEGEND

	Prop	Prev Stage
Drains		
Main Drains		
Sewer < 300Ø	S	S
Sewer ≥ 300Ø	S	S
Water (DW)	DW	W
Water (NDW)	NDW	W
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Rock Ret Wall		
Sleeper Ret Wall		
Conduits 50mm	GW	GW
Conduits 100mm	W100	W100
Street Tree without/with Passive Irrigation (Refer Detail)		
Ex Drains		
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	

Ex/Natural/FS Level	+29.57 +NS28.57 +FS28.57
FS @ Building Line	+BL28.57
Top/Toe of Batter	+TOP28.57 +TOE28.57
Top Ret. Wall Level	+TW28.57
100yr Flood Level	+FL28.57
Fill Proposed (<0.3m/≥0.3m)	
Cut Proposed	
Aspalt Surface Prop	
Concrete Surface Prop (Paths/Driveways/Slabs)	
Tree To Be Removed	
Tree To Be Retained with Tree Protection Zone (TPZ)	DRIP TPZ RAD

AMENDMENTS

VER	DATE	REMARKS

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
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

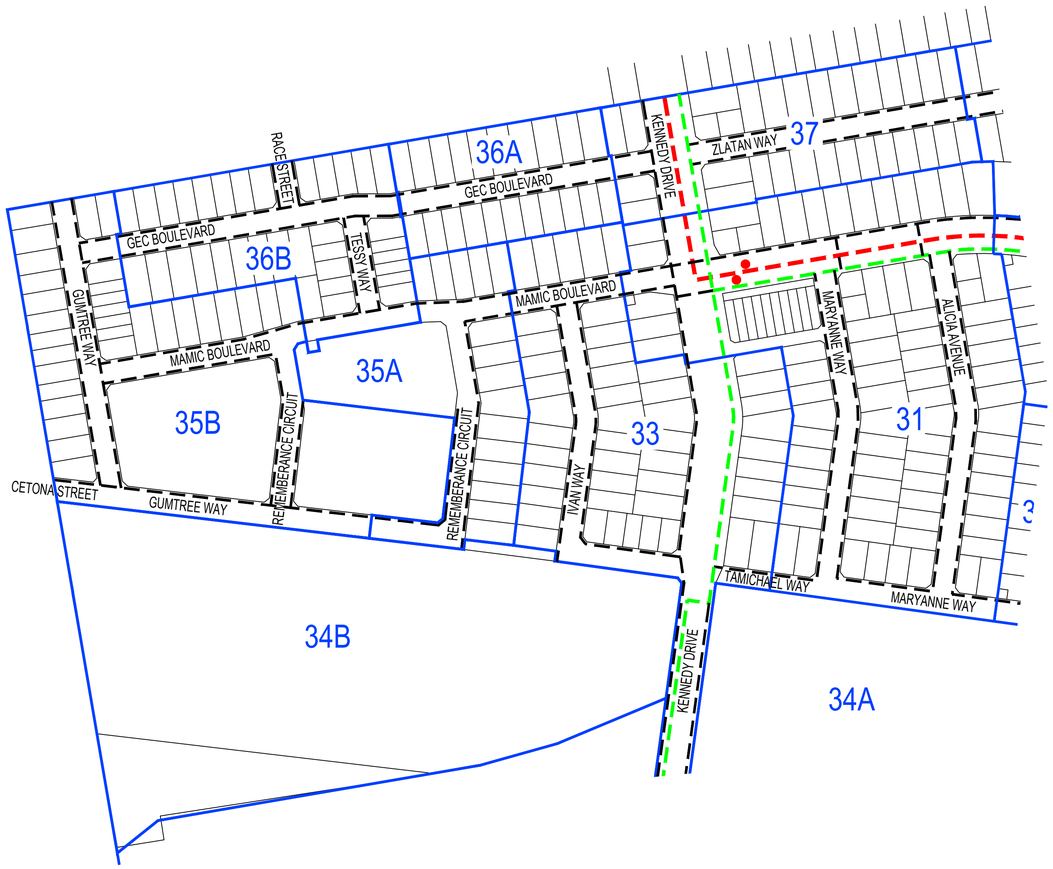
ASPIRE ESTATE
STAGE 36A
PASSIVE IRRIGATION PLAN

MUNICIPALITY: MELTON
REFERENCE: 8226 E/36A
SCALE: AS SHOWN | DATUM: AHD | DATE: JUNE 2022 | SHEET: 6 OF 8 | P1

NORTH

LEGEND:

- POTENTIAL BUS ROUTE (AS PER PSP)
- TfV 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

LENGTHS ARE IN METRES
40 20 0 40 80 160
SCALE 1 : 2000 (A1)

PRELIMINARY

AMENDMENTS			
VER	DATE	REMARKS	

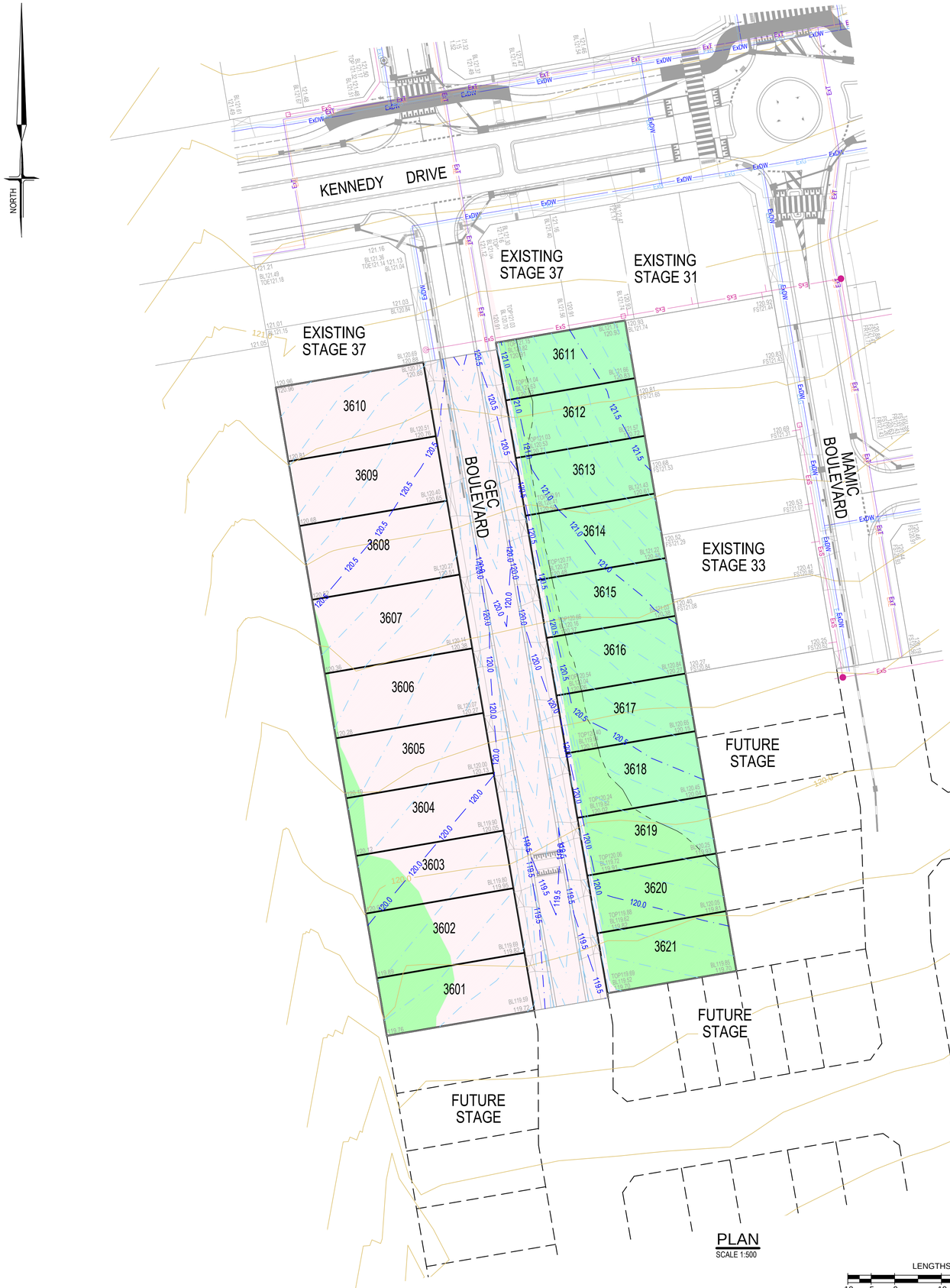
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	365-C-1
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

ASPIRE ESTATE
STAGE 36A
MOBILITY PLAN

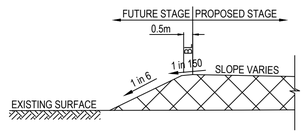
MUNICIPALITY: MELTON
REFERENCE: 8226 E/36A

SCALE	DATUM	DATE	SHEET
AS SHOWN	AHD	JUNE 2022	7 OF 8 P1

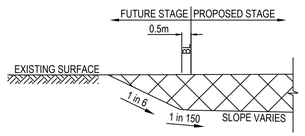


PLAN
SCALE 1:500

LENGTHS ARE IN METRES
10 5 0 10 20 40
SCALE 1 : 500 (A1)



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 / Prev Stage
Main Drains	
Sewer < 300Ø	S
Sewer ≥ 300Ø	S
Water (DW)	DW / W
Water (NDW)	NDW / W
House Drain	H / H
Property Inlet	
Street Sign	
PSM	
Rock Ret Wall	
Sleeper Ret Wall	
Conduits 50mm	GW / GW
Conduits 100mm	W100 / W100
Street Tree without/with Passive Irrigation (Refer Detail)	
Ex Drains	
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

Ex/Natural/FS Level	×29.57 ×NS28.57 ×FS28.57
FS @ Building Line	×BL28.57
Top/Toe of Batter	×TOP28.57 ×TOE28.57
Top Ret. Wall Level	×TW28.57
100yr Flood Level	×FL28.57
Fill Proposed (<0.3m/≥0.3m)	
Cut Proposed	
Aspalt Surface Prop	
Concrete Surface Prop (Paths/Driveways/Slabs)	
Tree To Be Removed	X
Tree To Be Retained with Tree Protection Zone (TPZ)	DRIP LINE TPZ

AMENDMENTS

VER	DATE	REMARKS

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
SURVEY	BPD
DESIGN	J.B
DRAWN	I.W
CHECKED	C.Hagen

ASPIRE ESTATE STAGE 36A EARTHWORKS PLAN

MUNICIPALITY	MELTON
REFERENCE	8226 E/36A
SCALE	AS SHOWN
DATUM	AHD
DATE	JUNE 2022
SHEET	8 OF 8
	P1