PLAN
SCALE 1:500

NOTES :

1) PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THUS SURFACE TREATMENT MUST COMPLY WITH VICROADS STANDARD SECTION 430.

2) FOR SIGNAGE AROUND INTERSECTION OF MAMIC BOULEVARD AND TARADALE CRESCENT & MAMIC BOULEVARD AND SLAVKO DRIVE REFER MPA - SEPERATED 2-WAY BICYCLE PATH AND ROAD INTERSECTION LAYOUT FIGURE 001

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	P1	ROAD LAYOUT - SHEET 1
2	P1	ROAD LAYOUT - SHEET 2
3	P1	ROAD LAYOUT - SHEET 3
4	P1	ROAD PAVEMENT DETAILS & NOTES
5	P1	TYPICAL CROSS SECTIONS
6	P1	ROAD INTERSECTION DETAILS - SHEET 1
7	P1	ROAD INTERSECTION DETAILS - SHEET 2
8	P1	ROAD LONGSECTION - SHEET 1
9	P1	ROAD LONGSECTION - SHEET 2
10	P1	ROAD CROSS SECTIONS - SHEET 1
11	P1	ROAD CROSS SECTIONS - SHEET 2
12	P1	ROAD CROSS SECTIONS - SHEET 3
13	P1	ROAD CROSS SECTIONS - SHEET 4
14	P1	ROAD CROSS SECTIONS - SHEET 5
15	P1	ROAD CROSS SECTIONS - SHEET 6
16	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
17	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2
18	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 3
19	P1	TYPICAL DETAILS
20	P1	PAVEMENT DETAILS
21	P1	SIGNAGE AND LINEMARKING

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.

SERVICE OFFSETS AND LOCATION TABLE

ROAD NAME	RESERVE WIDTH	WATER	GAS	ELECTRICITY				TELECOMUNICATIONS		BOK	
		DW		POLE		U/G CABLE					
				SIDE	OFFSET	SIDE	OFFEST	SIDE	OFFSET	SIDE	SIDE
MAMIC BOULEVARD	31.50	3.10 W	2.25 W	E	2.85*	E	2.55	E	1.95	9.65 E	4.35 W
TARADALE CRESCENT (16.0m ROAD RESERVE)	16.00	2.60 N	2.10 N	S	1.00*	S	2.30	S	1.80	4.05 N	4.05 S
SYDENHAM LANE	8.00	-	-	-	-	-	-	-	-	-	-
SLAVKO DRIVE (16.0m ROAD RESERVE)	16.00	2.60 N	2.10 N	S	1.00*	S	2.30	S	1.80	4.05 N	4.05 S
SLAVKO DRIVE (15.3m ROAD RESERVE)	15.30	2.60 W	2.10 W	E	1.00*	E	1.10	E	0.40	3.35 E	4.05 W

NOTE: * OFFSET FROM BACK OF KERB

WARNING

BEWARE OF UNDERGROUND SERVICES

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

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

1:500 10 5 00 10 20 40

SYMBOL LEGEND

Drains, Sewer <300, Sewer >300, Water, House Drain, Property Inlet, Street Sign, PSM, Retaining Wall, Conduits 50mm

Temporary Bench Mark (TBM)
Ex/Natural/FS Level 28.57
FS @ Building Line 61.28.57
Top/Toe of Batter TOP28.57 / TOE28.57
Top Ret. Wall Level TW28.57
Fill Prop/Ex (0.2m-0.5m depth)
Fill Prop/Ex (> 0.5m depth)
Cut Prop/Ex (> 0.2m depth)
Threshold Treatment

VER.	DATE	REMARKS

AMENDMENTS

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

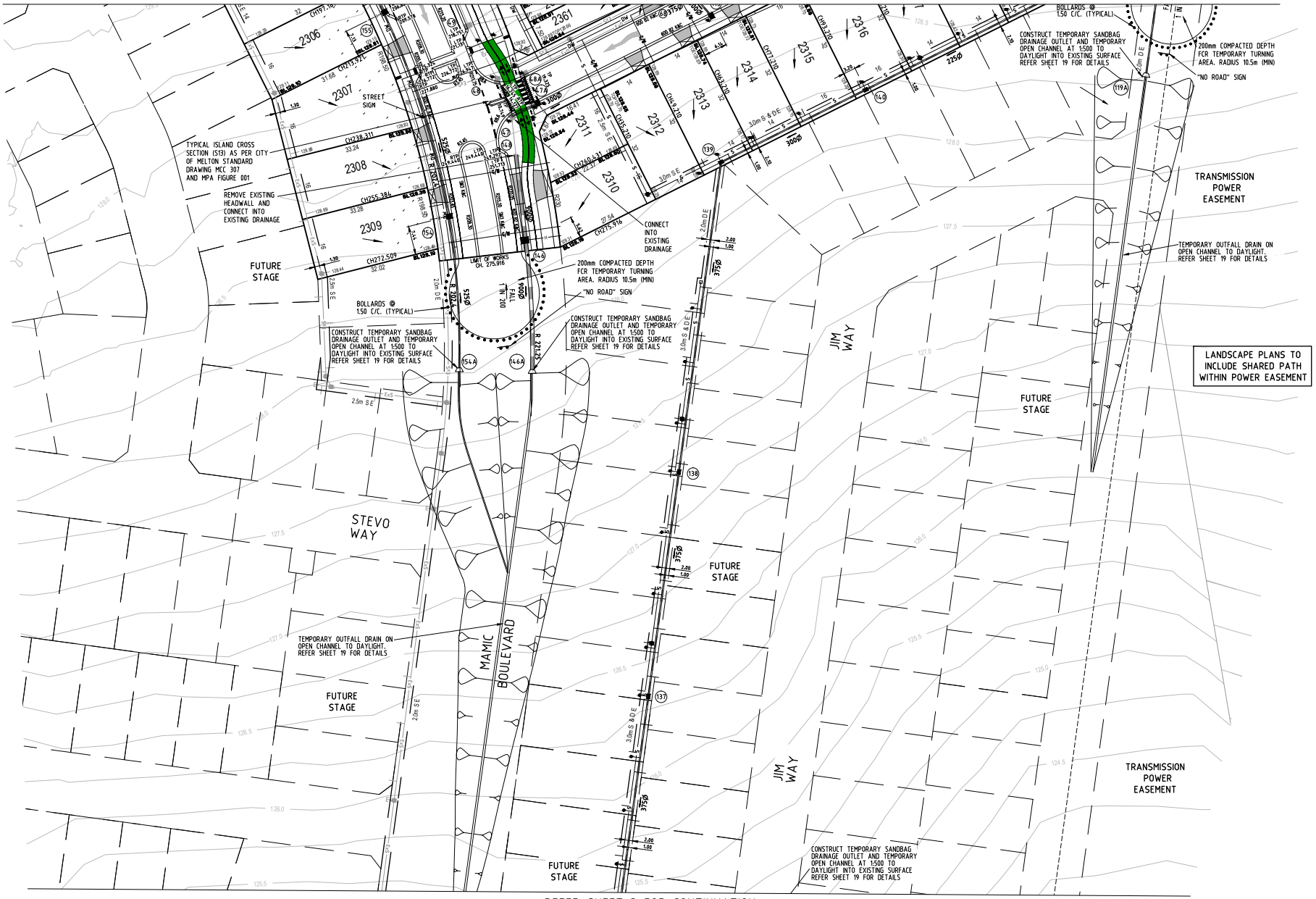
MELWAY REF. 354 C12
SURVEY BPD
DESIGN JGB
DRAWN IMW
CHECKED TBA

ASPIRE ESTATE
STAGE 23
LAYOUT PLAN - SHEET 1

SCALE AS SHOWN | DATUM AHD | DATE AUG '18

MUNICIPALITY MELTON
REFERENCE 8226 E/23
SHEET 01 OF 21 P1

REFER SHEET 1 FOR CONTINUATION



REFER SHEET 3 FOR CONTINUATION

PLAN
SCALE 1:500

1:500 10 5 00 10 20 40

NOTES :

1) PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THUS: SURFACE TREATMENT MUST COMPLY WITH VICROADS STANDARD SECTION 430.

2) FOR SIGNAGE AROUND INTERSECTION OF MAMIC BOULEVARD AND TARADALE CRESCENT & MAMIC BOULEVARD AND SLAVKO DRIVE REFER MPA - SEPERATED 2-WAY BICYCLE PATH AND ROAD INTERSECTION LAYOUT FIGURE 001

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

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

SYMBOL LEGEND

	Prop	Exist
Drains		ExD
Sewer <300	S	ExS
Sewer >300	S	ExS
Water	W	ExW
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Retaining Wall		
Conduits 50mm	G/N	G/N

Temporary Bench Mark (TBM)
Ex/Natural/FS Level 28.57
FS @ Building Line 8:28.57
Top/Toe of Batter TOP28.57 / TOE28.57
Top Ret. Wall Level TW28.57
Fill Prop/Ex (0.2m-0.5m depth)
Fill Prop/Ex (> 0.5m depth)
Cut Prop/Ex (> 0.2m depth)
Threshold Treatment

AMENDMENTS

VER.	DATE	REMARKS

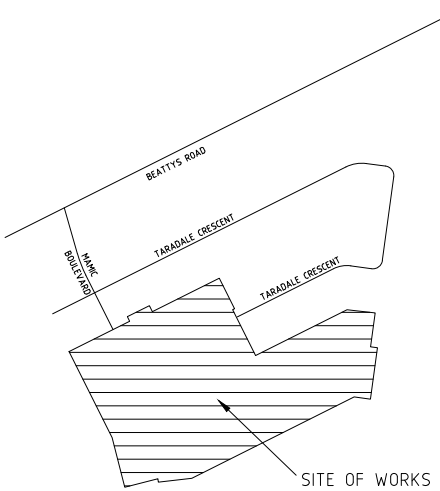
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
LAYOUT PLAN - SHEET 2

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 02 OF 21 | P1



SITE LOCALITY PLAN
NOT TO SCALE

1:500 10 5 00 10 20 40

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

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

SYMBOL LEGEND

	Prop	Exist
Drains		EXD
Sewer <300	S	EXS
Sewer >300	S	EXS
Water	OW	EXOW
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Retaining Wall		
Conduits 50mm	G/N	G/N

Temporary Bench Mark (TBM)
Ex/Natural/FS Level 28.57
FS @ Building Line 8.28.57
Top/Toe of Batter TOP28.57 / TOE28.57
Top Ret. Wall Level TW28.57
Fill Prop/Ex (0.2m-0.5m depth)
Fill Prop/Ex (> 0.5m depth)
Cut Prop/Ex (> 0.2m depth)
Threshold Treatment

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.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

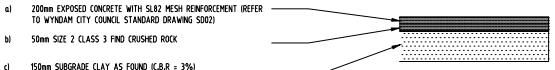
ASPIRE ESTATE
STAGE 23
LAYOUT PLAN - SHEET 3

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 03 OF 21 | P1

PLAN

NOT TO SCALE



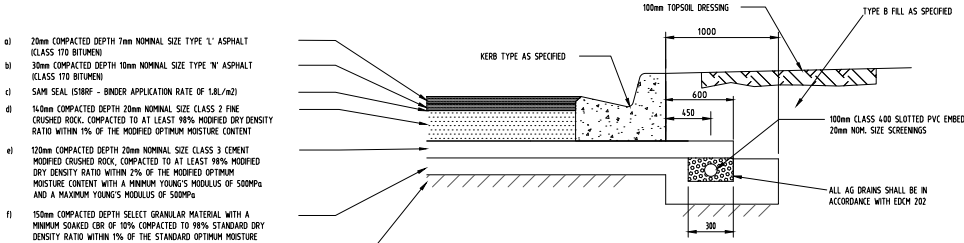
a) 200mm EXPOSED CONCRETE WITH SL82 MESH REINFORCEMENT (REFER TO WYNDAM CITY COUNCIL STANDARD DRAWING SD02)

b) 50mm SIZE 2 CLASS 3 FINO CRUSHED ROCK

c) 150mm SUBGRADE CLAY AS FOUND (C.B.R = 3%)
IF REQUIRED, SUBGRADE IMPROVEMENT WORKS TO BE UNDERTAKEN TO COUNCIL'S SATISFACTION)

TOTAL PAVEMENT DEPTH 400mm

PAVEMENT DETAILS
LANEWAY



a) 20mm COMPACTED DEPTH 7mm NOMINAL SIZE TYPE 'L' ASPHALT (CLASS 170 BITUMEN)

b) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT (CLASS 170 BITUMEN)

c) SAMI SEAL S18RF - BINDER APPLICATION RATE OF 1.8L/m2)

d) 140mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK. COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT

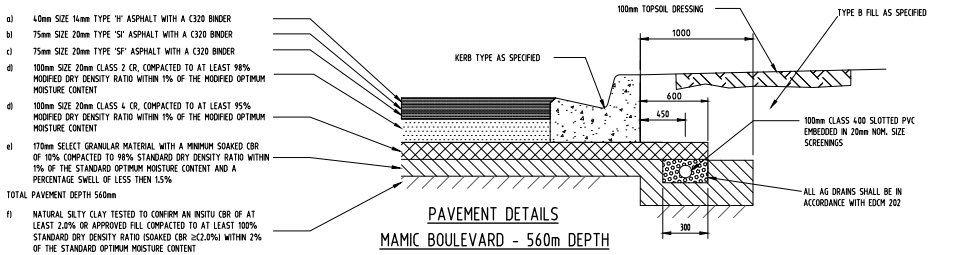
e) 120mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 CEMENT MODIFIED CRUSHED ROCK, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 2% OF THE MODIFIED OPTIMUM MOISTURE CONTENT WITH A MINIMUM YOUNG'S MODULUS OF 500MPa AND A MAXIMUM YOUNG'S MODULUS OF 500MPa

f) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO 98% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL < 1.5%, PERMEABILITY K < x10-9.

TOTAL PAVEMENT DEPTH 460mm

g) SUBGRADE - NATURAL SILTY CLAY TESTED TO CONFIRM AN IN-SITU CBR OF AT LEAST 2% OR APPROVED FILL COMPACTED TO AT LEAST 100% STANDARD DRY DENSITY RATIO (SOAKED CBR >2%) WITHIN 2% OF THE STANDARD OPTIMUM MOISTURE CONTENT.

PAVEMENT DETAILS
TARADALE CRESCENT (EAST OF MAMIC BLVD) & SLAVKO DRIVE - 460mm DEPTH



a) 40mm SIZE 14mm TYPE 'H' ASPHALT WITH A C320 BINDER

b) 75mm SIZE 20mm TYPE 'SI' ASPHALT WITH A C320 BINDER

c) 75mm SIZE 20mm TYPE 'SF' ASPHALT WITH A C320 BINDER

d) 100mm SIZE 20mm CLASS 2 CR, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT

d) 100mm SIZE 20mm CLASS 4 CR, COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT

e) 170mm SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO 98% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THEN 1.5%

TOTAL PAVEMENT DEPTH 560mm

f) NATURAL SILTY CLAY TESTED TO CONFIRM AN INSITU CBR OF AT LEAST 2.0% OR APPROVED FILL COMPACTED TO AT LEAST 100% STANDARD DRY DENSITY RATIO (SOAKED CBR ≥(2.0%) WITHIN 2% OF THE STANDARD OPTIMUM MOISTURE CONTENT

PAVEMENT DETAILS
MAMIC BOULEVARD - 560m DEPTH

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.

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.(IJJ). 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.

26. TELSTRA/NBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.

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 MSCS01 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.

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. LOTS _____ TO _____ (BOTH INCLUSIVE) DO NOT COMPLY WITH ELEMENT 12B PMS OF VIC CODE FOR RESIDENTIAL DEVELOPMENT.

47. 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.

48. FITZROY BOXES TO BE PROVIDED FOR WATER AND GAS TAPPINGS LOCATED UNDER PARKING BAYS IN FRONT OF LOTS _____.

49. GAS LEADINS FOR LOTS _____ TO BE PROVIDED BEFORE PARKING BAY CONSTRUCTION.

PIT SCHEDULE NOTES

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

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

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

AMENDMENTS			
VER.	DATE	REMARKS	

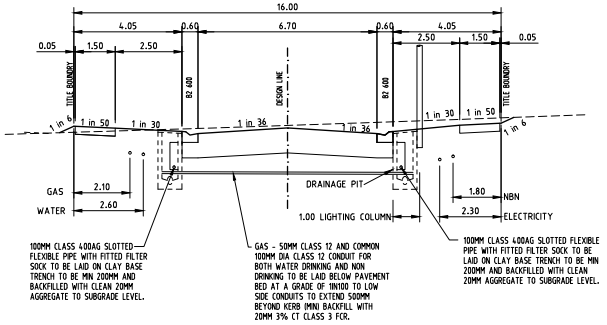
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
ROAD PAVEMENT DETAILS & NOTES

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

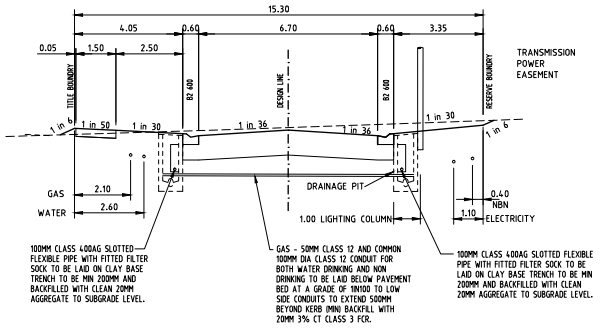
SCALE NTS | DATUM AHD | DATE AUG '18 | SHEET 04 OF 21 | P1



TYPICAL SECTION A-A

TARADALE CRESCENT & SLAVKO DRIVE 16.0m ROAD RESERVE

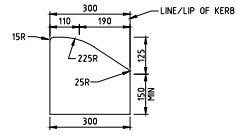
NOT TO SCALE



TYPICAL SECTION B-B

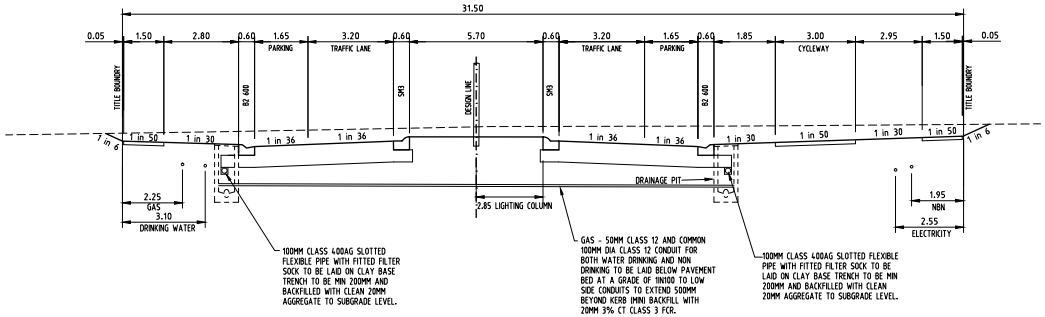
SLAVKO DRIVE 15.3m ROAD RESERVE

NOT TO SCALE



SM1 KERB DETAIL

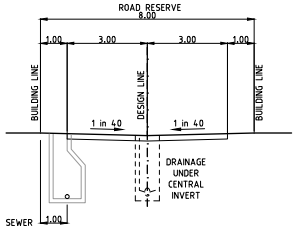
NOT TO SCALE



TYPICAL SECTION C-C

MAMIC BOULEVARD ROAD RESERVE 31.5 ROAD RESERVE

NOT TO SCALE

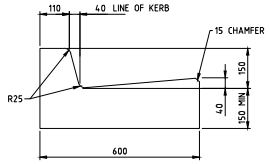


TYPICAL SECTION D-D

SYDENHAM LANE

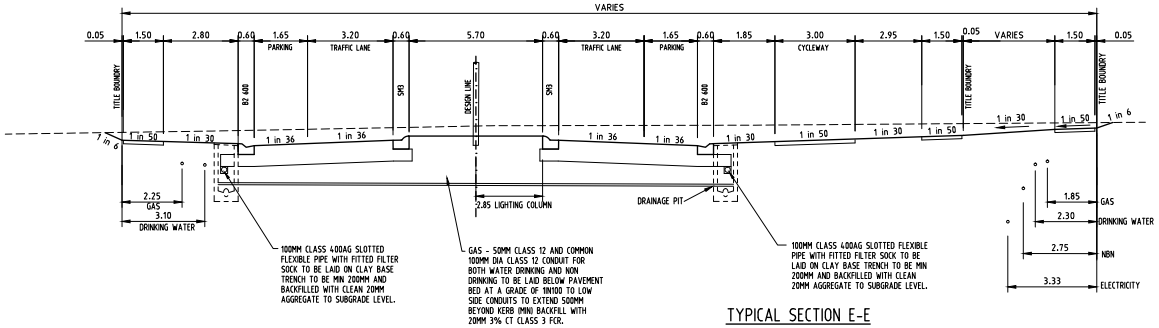
8.0m ROAD RESERVE

NOT TO SCALE



B2 600 KERB DETAIL

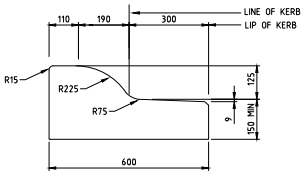
NOT TO SCALE



TYPICAL SECTION E-E

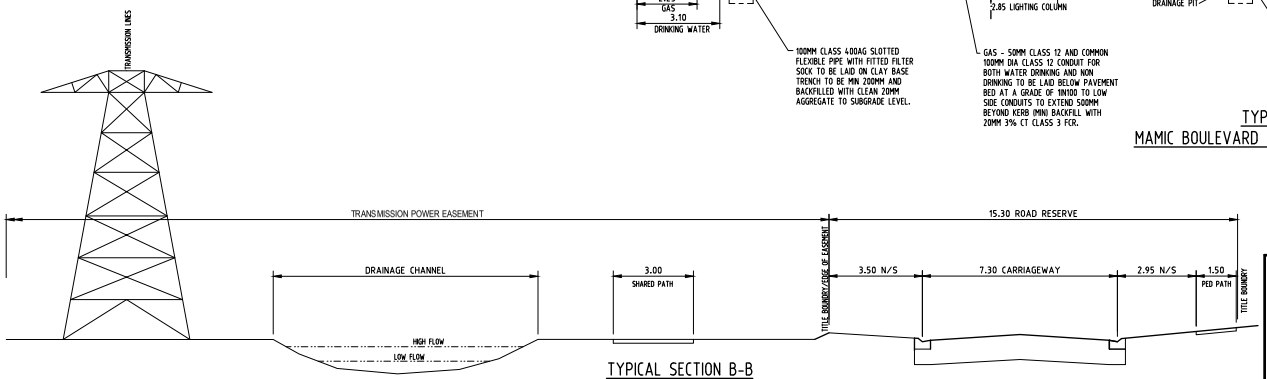
MAMIC BOULEVARD (LOTS 2322-2330 & 2361) ROAD RESERVE

NOT TO SCALE



SM3 600 KERB DETAIL

NOT TO SCALE



TYPICAL SECTION B-B

SECTION THROUGH POWER TRANSMISSION EASEMENT

NOT TO SCALE

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

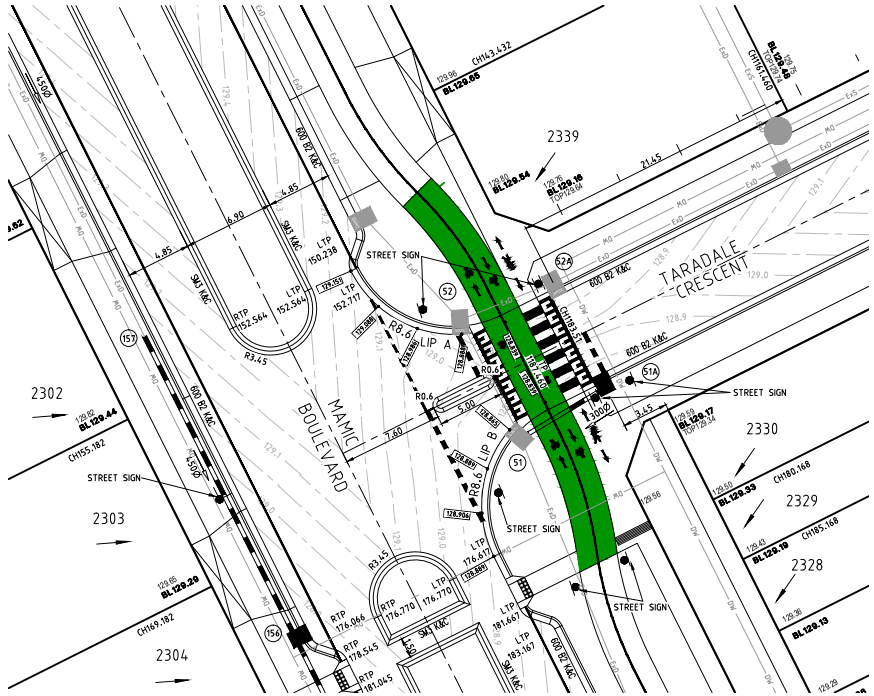
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
TYPICAL CROSS SECTIONS

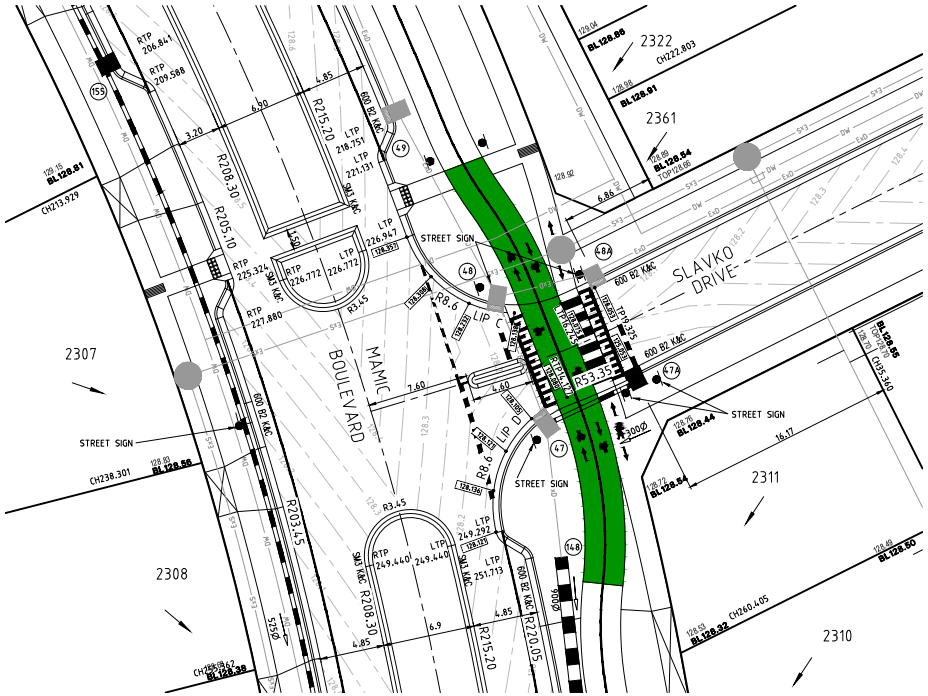
MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

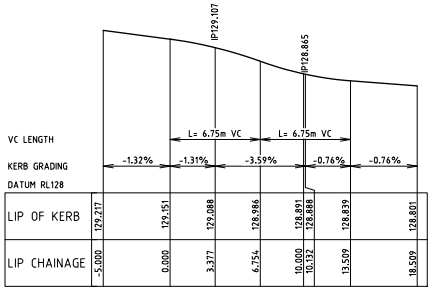
SCALE NTS | DATUM AHD | DATE AUG '18 | SHEET 05 OF 21 | P1



INTERSECTION DETAILS
SCALE 1:200

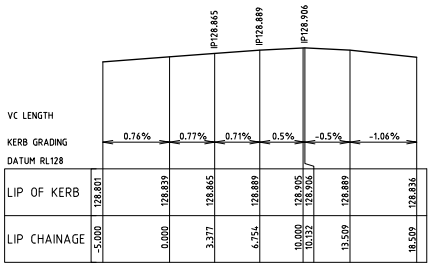


INTERSECTION DETAILS
SCALE 1:200



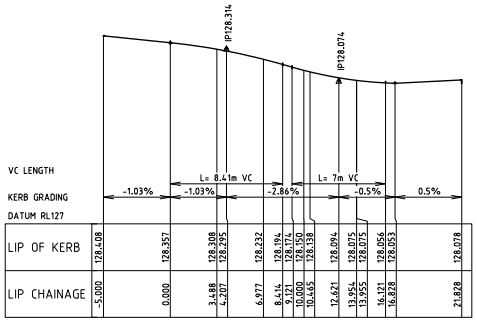
LIP OF KERB	129.217	129.151	129.088	128.986	128.891	128.888	128.839	128.801
LIP CHAINAGE	-5.000	0.000	3.377	6.754	10.000	10.132	13.509	18.509

LIP LINE A



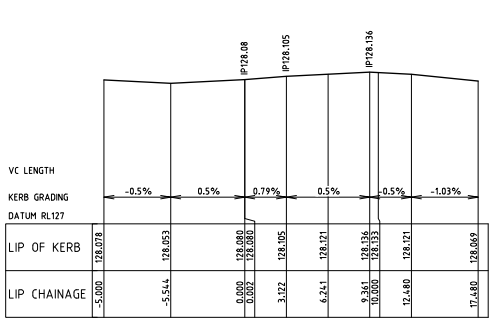
LIP OF KERB	128.801	128.839	128.865	128.889	128.905	128.906	128.889	128.836
LIP CHAINAGE	-5.000	0.000	3.377	6.754	10.000	10.132	13.509	18.509

LIP LINE B



LIP OF KERB	128.408	128.357	128.308	128.295	128.232	128.194	128.174	128.150	128.138	128.094	128.075	128.075	128.056	128.053	128.078
LIP CHAINAGE	-5.000	0.000	3.488	4.207	6.977	8.416	9.121	10.000	10.462	12.621	13.954	13.955	16.121	16.828	21.828

LIP LINE C



LIP OF KERB	128.078	128.053	128.080	128.080	128.105	128.121	128.136	128.133	128.121	128.069
LIP CHAINAGE	-5.000	-5.544	0.000	0.002	3.122	6.241	9.361	10.000	12.480	17.480

LIP LINE D

ALL SETOUT DETAILS
ARE PROVIDED
AT LIP OF KERB

1:20 VER 0.4 0.2 00 0.4 0.8 0.16
1:200 HOR 4 2 00 4 8 16

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS 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.

AMENDMENTS

VER.	DATE	REMARKS

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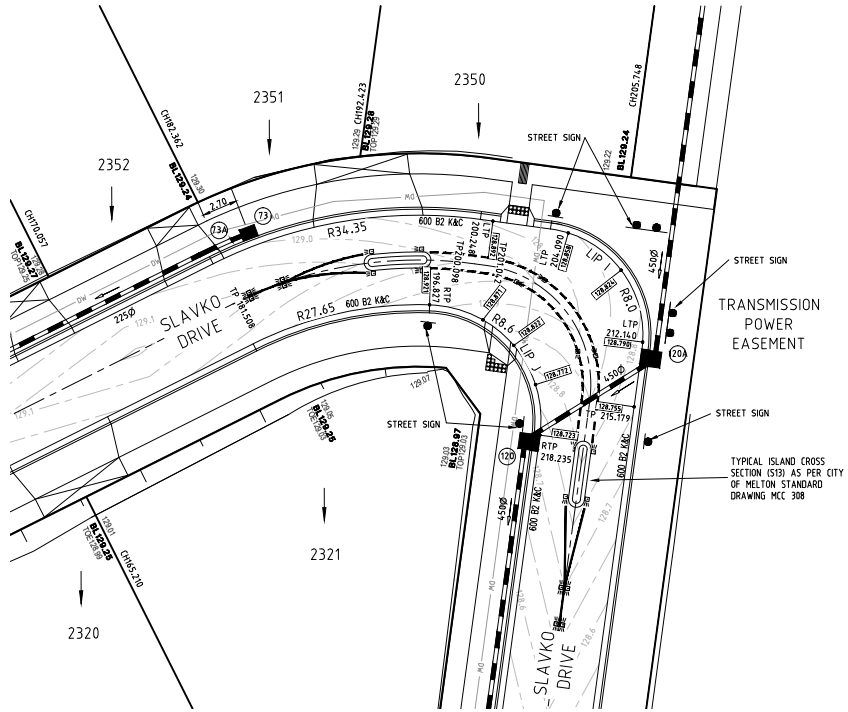
fax no. 8823 2310

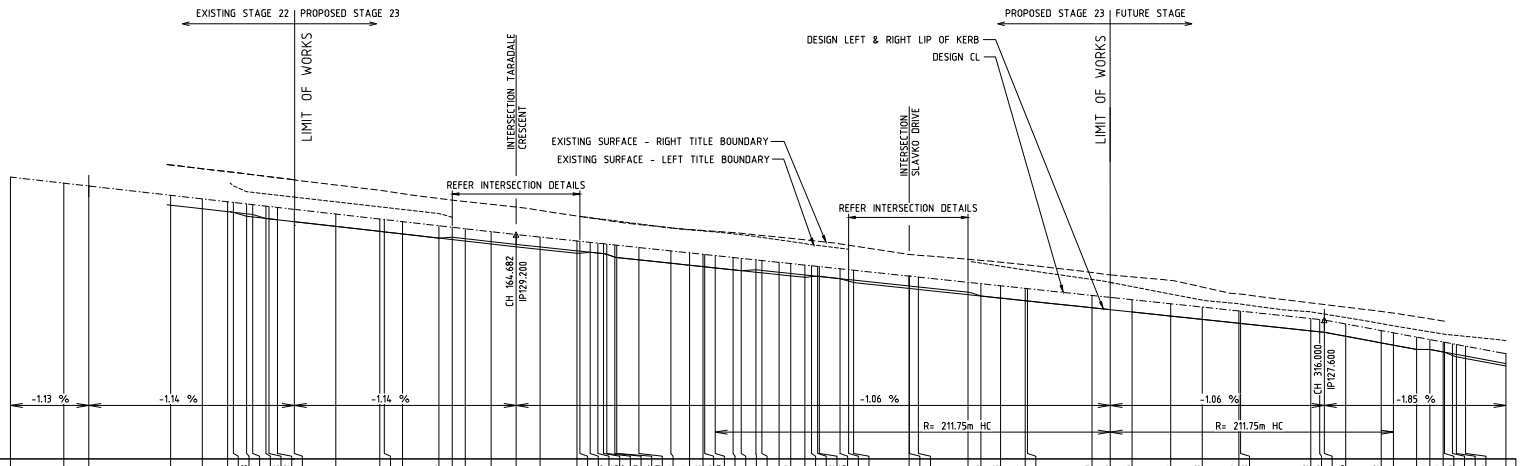
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
INTERSECTION DETAILS - SHEET 1

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 06 OF 21 | P1


2352
2351
2350
2321
2320
SLAVKO DRIVE
R34.35
R27.65
R8.6
R8.0
600 B2 K&C
225Ø
450Ø
STREET SIGN
TRANSMISSION POWER EASEMENT
TYPICAL ISLAND CROSS SECTION (S13) AS PER CITY OF MELTON STANDARD DRAWING MCC 308
LIP 1
LIP 2
LTP 200.090
LTP 212.140
RTP 218.235
P 215.179
P 200.508
P 200.098
P 200.144
P 200.117
P 200.117
P 200.117



CHAINAGE	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
70.000				130.276			
80.000				130.162			
86.682				130.109			
100.000				129.935	129.750	130.247	130.503
105.917				129.868	129.683	130.180	130.432
110.667	130.371	130.140	129.617	129.814	129.629	130.126	130.379
111.751	130.368	130.336	129.585	129.801	129.617	130.114	130.366
114.229	130.334	129.984	129.553	129.773	129.589	130.086	130.355
116.417	130.297	129.947	129.516	129.737	129.553	130.049	130.322
117.845	130.331	129.943	129.502	129.732	129.547	130.044	130.291
118.417	130.308	129.936	129.495	129.726	129.542	130.037	130.283
120.000	130.293	129.918	129.477	129.708	129.523	130.019	130.264
123.167	129.901	129.882	129.441	129.672	129.486	129.982	130.222
130.917	129.813	129.794	129.353	129.584	129.353	129.718	130.128
139.167	129.719	129.700	129.259	129.490	129.259	129.624	130.029
140.000	129.710	129.691	129.250	129.480	129.250	129.615	130.017
143.417	129.671	129.652	129.211	129.442	129.211	129.576	129.966
LTP 150.238	129.594	129.575	129.134	129.364	129.134	129.499	129.876
LTP 152.717		129.675	129.151	129.336	129.105	129.470	129.845
155.167			129.123	129.308	129.078	129.443	129.817
160.000			129.068	129.253	129.023	129.388	129.766
164.682			129.015	129.200	128.969	129.334	129.716
169.167			128.968	129.153	128.922	129.287	129.652
RTP 176.066			128.895	129.080	128.849	129.214	129.548
LTP 176.617			128.889	129.074	128.851	129.212	129.540
RTP 178.245			128.869	129.053	128.869	129.192	129.512
LTP 179.417			128.857	129.038	128.857	129.176	129.495
RTP 181.045			128.842	129.027	128.842	129.161	129.475
LTP 181.667			128.831	129.020	128.831	129.152	129.466
LTP 183.167			128.777	129.015	128.777	129.143	129.442
RTP 183.667			128.770	129.013	128.770	129.135	129.388
193.667			128.663	128.894	128.663	129.124	129.326
197.167	129.289	129.087	128.626	128.857	128.626	129.091	129.295
199.667	129.268	129.067	128.600	128.830	128.600	129.061	129.277
TP 200.000	129.265	129.057	128.596	128.827	128.596	129.057	128.961
201.956	129.249	129.036	128.575	128.806	128.575	129.036	128.940
203.000	129.241	129.028	128.565	128.797	128.565	129.028	128.931
RTP 206.829	129.197	128.986	128.524	128.754	128.524	128.986	128.889
RTP 206.917	129.162	128.948	128.483	128.713	128.483	128.948	128.853
208.917	129.100	128.911	128.449	128.679	128.449	128.911	128.815
210.701	129.070	128.882	128.420	128.650	128.420	128.882	128.786
218.921	129.031	128.883	128.418	128.603	128.418	128.883	128.786
220.000	129.011	128.885	128.413	128.615	128.413	128.885	128.786
221.131	128.997	128.883	128.418	128.603	128.418	128.883	128.786
224.463	128.993	128.880	128.415	128.600	128.415	128.880	128.783
226.947	128.962	128.852	128.387	128.572	128.387	128.852	128.755
RTP 227.880	128.665	128.608	128.371	128.542	128.371	128.608	128.537
LTP 228.751	128.537	128.323	128.192	128.188	128.192	128.323	128.318
LTP 229.000	128.531	128.318	128.188	128.532	128.188	128.318	128.531
238.266			128.237	128.347	128.237		
238.311			128.237		128.237		
243.000			128.249		128.249		
LTP 249.292	128.665	128.410	128.121	128.305	128.075	128.410	128.737
LTP 251.733							
255.384	128.608	128.371	128.010	128.241	128.010	128.371	128.683
260.000	128.537	128.323	127.962	128.192	127.962	128.323	128.635
260.431	128.531	128.318	127.957	128.188	127.957	128.318	128.630
272.509	128.360	128.206	127.829	128.060	127.829	128.206	128.489
275.916	128.305	128.185	127.793	128.024	127.793	128.185	128.445
280.000	128.225	128.142	127.750	127.981	127.750	128.142	128.408
287.253	128.086	128.051	127.673	127.904	127.673	128.051	128.340
293.145	127.973	127.972	127.611	127.842	127.611	127.972	128.217
300.000	127.902	127.900	127.539	127.769	127.539	127.900	128.087
303.324	127.898	127.896	127.535	127.766	127.535	127.896	128.085
310.432	127.753	127.751	127.396	127.627	127.396	127.751	127.920
315.132	127.705	127.703	127.348	127.579	127.348	127.703	127.872
316.000	127.696	127.694	127.339	127.570	127.339	127.694	127.863
320.000	127.656	127.646	127.295	127.526	127.295	127.646	127.841
326.650	127.533	127.533	127.172	127.402	127.172	127.533	127.741
328.934	127.491	127.491	127.130	127.360	127.130	127.491	127.700
333.274	127.419	127.410	127.049	127.280	127.049	127.410	127.662
335.153	127.335	127.329	126.997	127.234	126.997	127.329	127.583
338.253	127.339	127.333	127.003	127.187	127.003	127.333	127.582
340.000	127.311	127.305	126.971	127.155	126.971	127.305	127.555
341.431	127.293	127.287	126.953	127.141	126.953	127.287	127.541
342.453	127.282	127.256	126.879	127.109	126.879	127.256	127.291
350.000	127.212	127.086	126.739	126.949	126.785		

MAMIC BOULEVARD

1:50 VER 1 0.5 00 1 2 4

1:500 HOR 10 5 00 10 20 40

AMENDMENTS

VER.	DATE	REMARKS

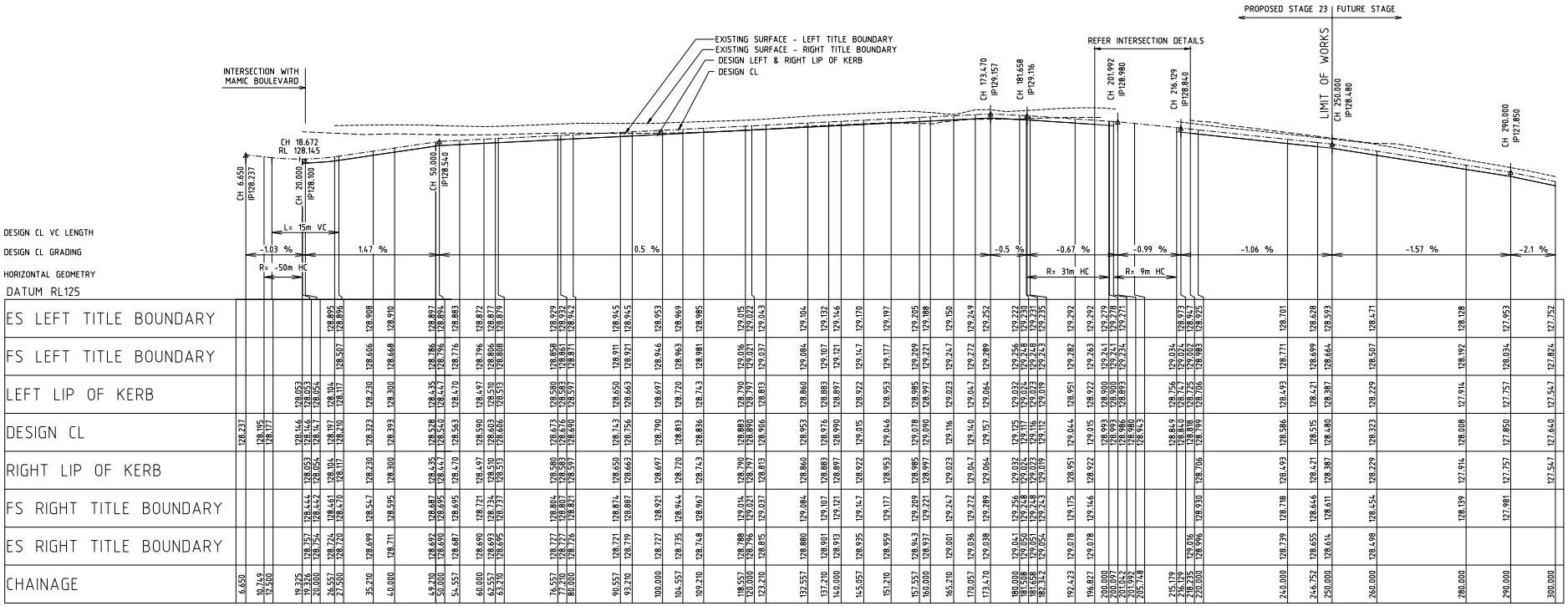
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 354 C12
SURVEY BPD
DESIGN JGB
DRAWN IMW
CHECKED TBA

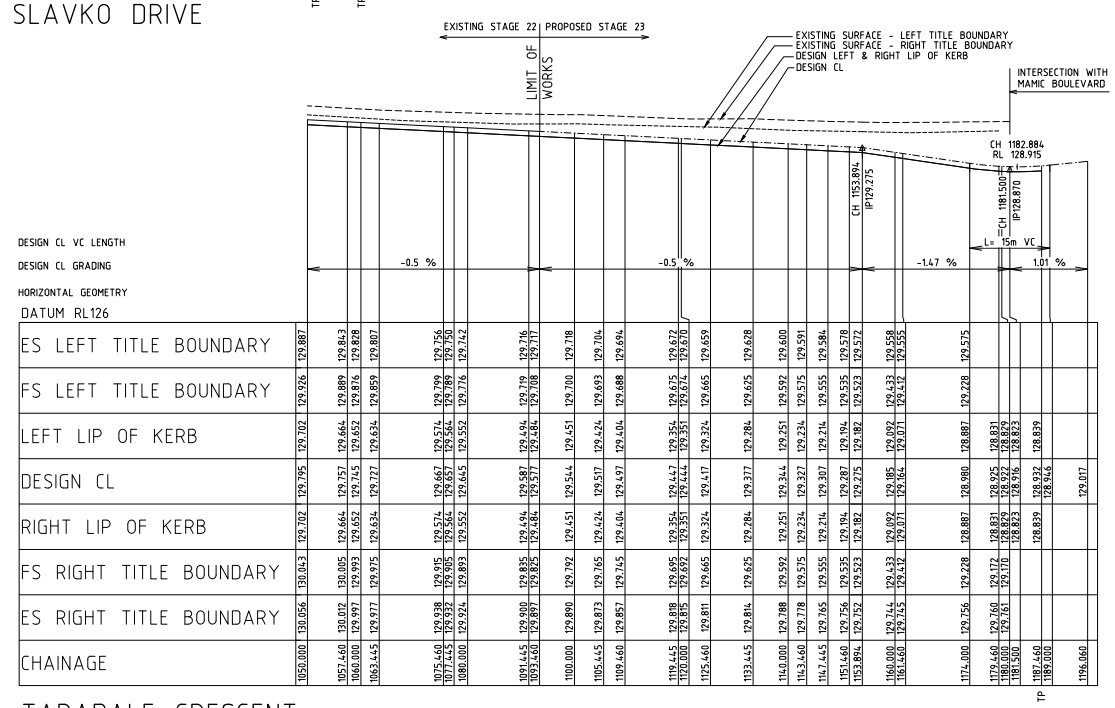
ASPIRE ESTATE
STAGE 23
ROAD LONGSECTIONS - SHEET 1

SCALE AS SHOWN | DATUM AHD | DATE AUG '18

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23
SHEET 08 OF 21 | P1



SLAVKO DRIVE



TARADALE CRESCENT

1:50 VER 1 0.5 00 1 2 4

1:500 HOR 10 5 00 10 20 40

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.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

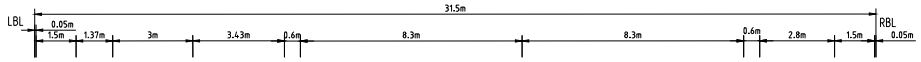
ASPIRE ESTATE STAGE 23

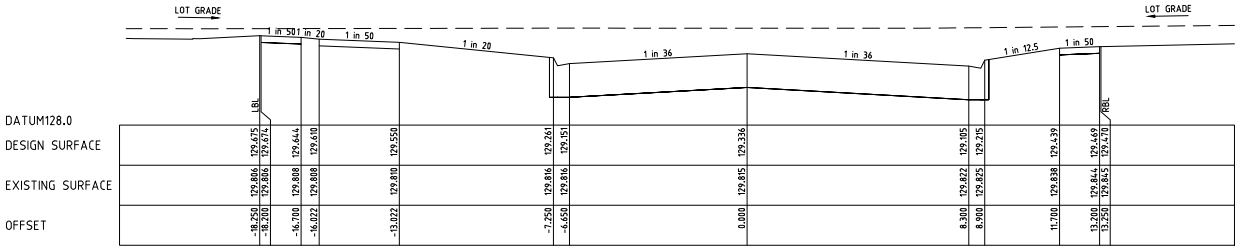
ROAD LONGSECTIONS - SHEET 2

MUNICIPALITY: MELTON

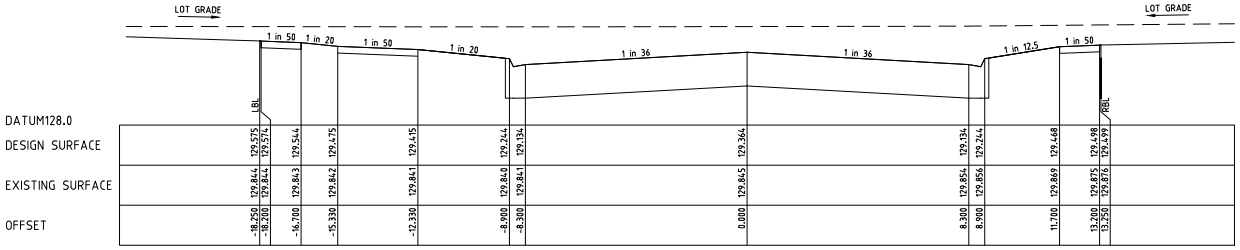
REFERENCE: 8226 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 09 OF 21 | P1

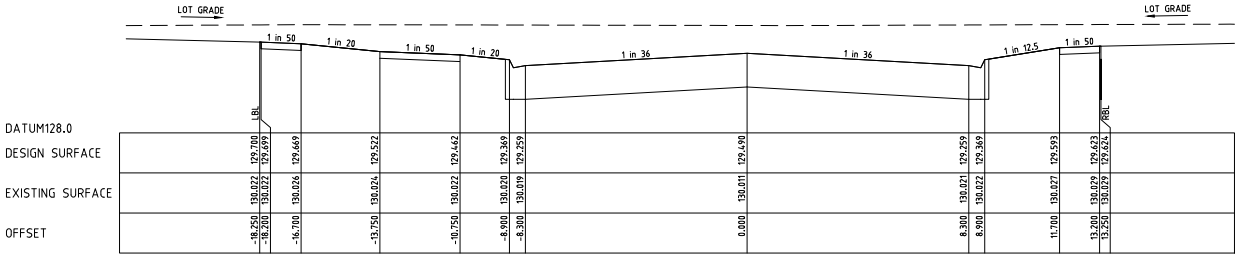




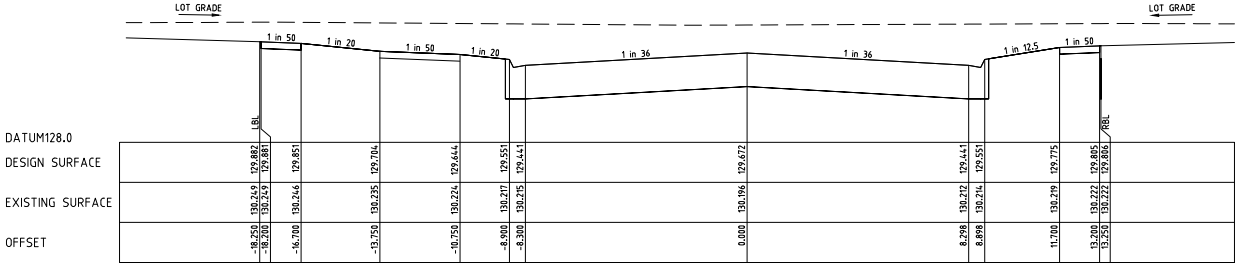
MAMIC BOULEVARD LTP CH 152.717



MAMIC BOULEVARD LTP CH 150.238



MAMIC BOULEVARD CH 139.167



MAMIC BOULEVARD LIMIT OF WORKS CH 123.167

FCR BACKFILL PLACED UNDER FOOTPATH WHERE ABOVE EXISTING SURFACE TO BE CLASS 3 OR CRUSHED CONCRETE CLASS 3

1:50 VER 1 0.5 00 1 2 4

1:100 HOR 2 1 00 2 4 8

AMENDMENTS

VER.	DATE	REMARKS

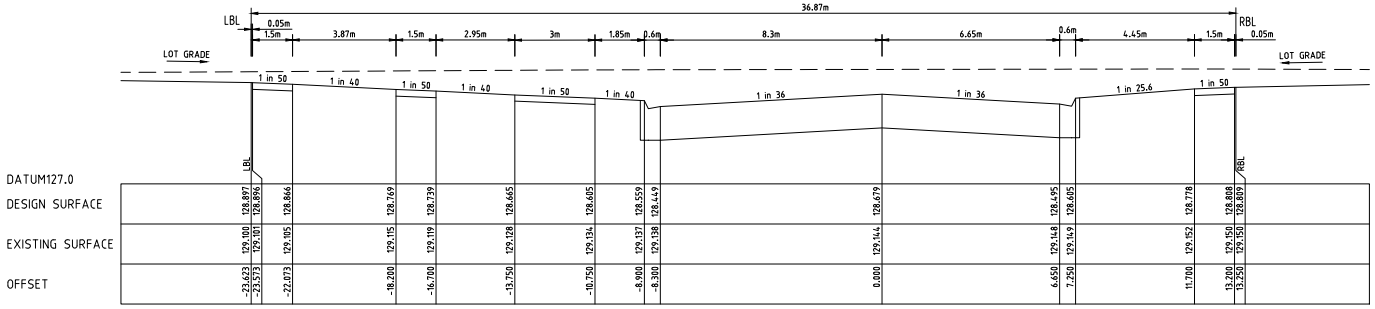
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 354 C12
SURVEY BPD
DESIGN JGB
DRAWN IMW
CHECKED TBA

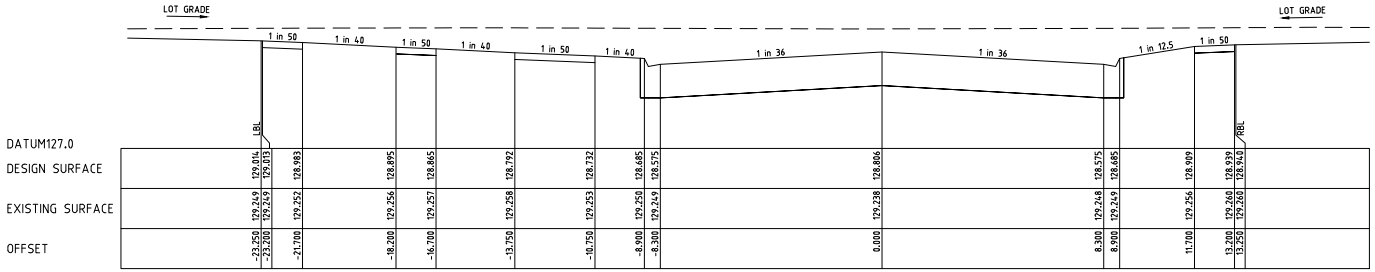
ASPIRE ESTATE
STAGE 23
ROAD CROSS SECTIONS - SHEET 1

MUNICIPALITY MELTON
REFERENCE 8226 E/23

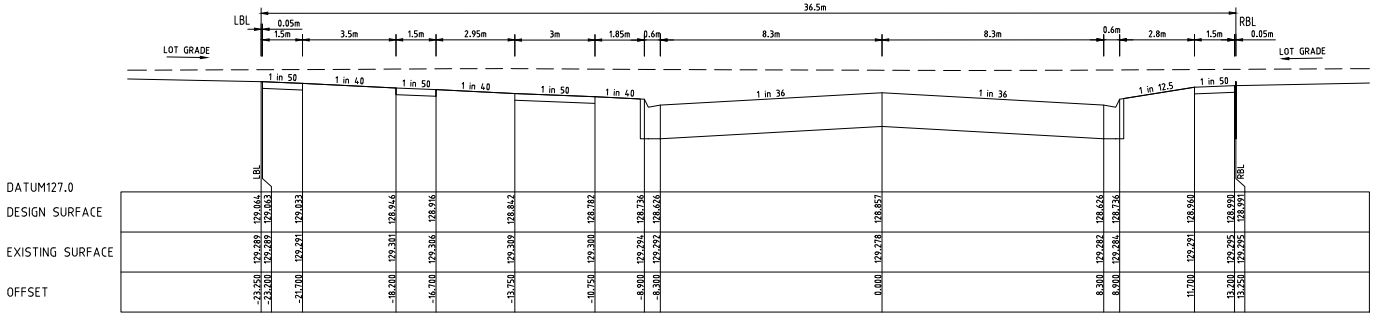
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 10 OF 21 | P1



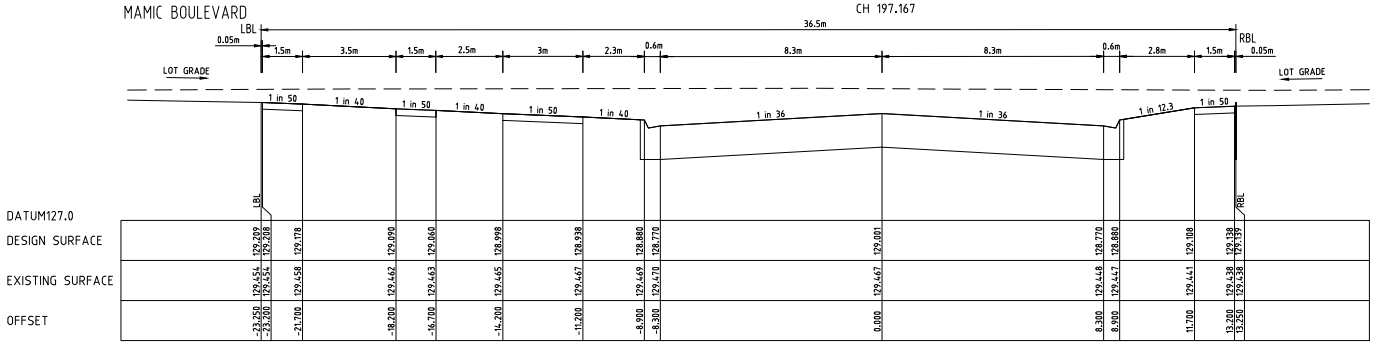
MAMIC BOULEVARD CH 213.921



MAMIC BOULEVARD TP CH 201.956



MAMIC BOULEVARD CH 197.167



MAMIC BOULEVARD RTP CH 183.523

FCR BACKFILL PLACED UNDER FOOTPATH WHERE ABOVE EXISTING SURFACE TO BE CLASS 3 OR CRUSHED CONCRETE CLASS 3

1:50 VER 1 0.5 00 1 2 4

1:100 HOR 2 1 00 2 4 8

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. 354 C12
SURVEY BPD
DESIGN JGB
DRAWN IMW
CHECKED TBA

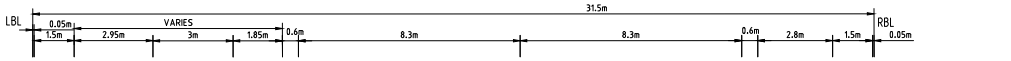
ASPIRE ESTATE STAGE 23

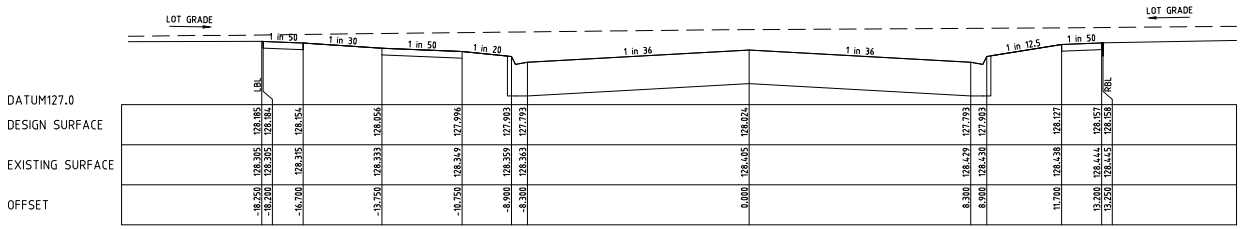
ROAD CROSS SECTIONS - SHEET 2

MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

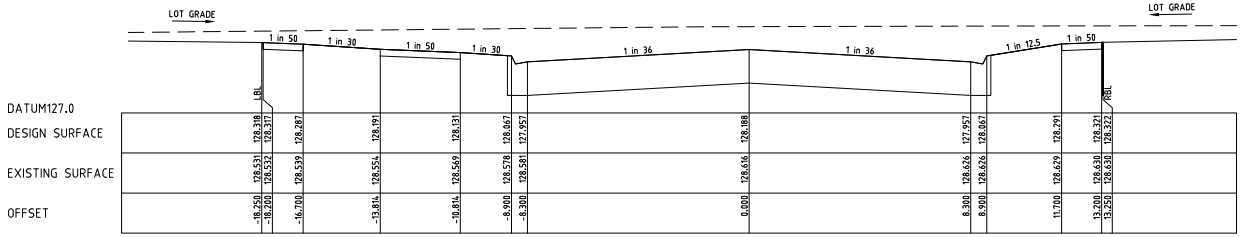
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 11 OF 21 | P1





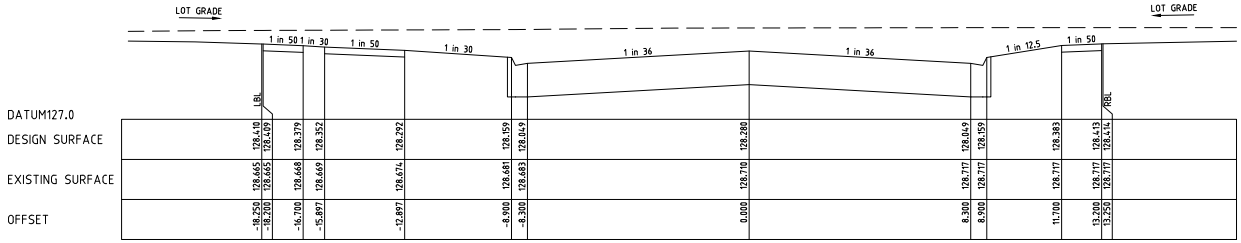
MAMIC BOULEVARD

LIMIT OF WORKS CH 275.916



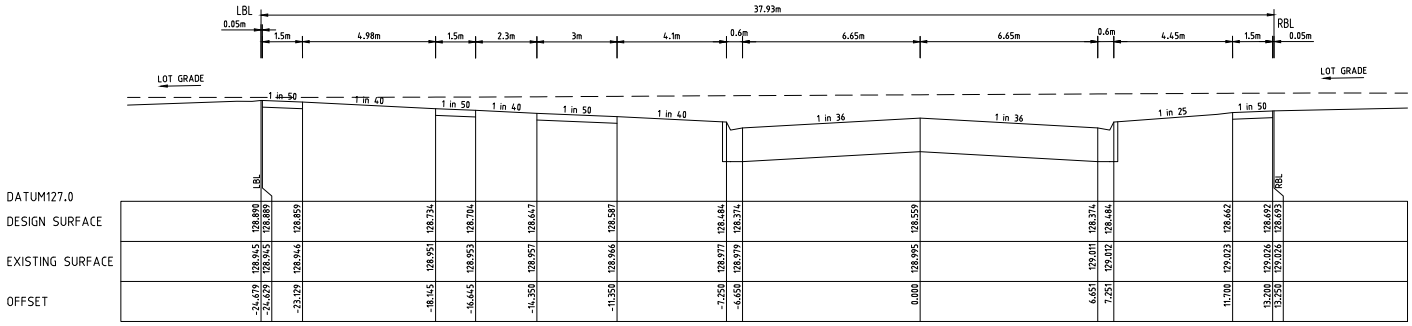
MAMIC BOULEVARD

CH 260.431



MAMIC BOULEVARD

LTP CH 251.713



MAMIC BOULEVARD

RTP CH 225.324

FCR BACKFILL PLACED UNDER FOOTPATH WHERE ABOVE EXISTING SURFACE TO BE CLASS 3 OR CRUSHED CONCRETE CLASS 3

1:50 VER 1 0.5 00 1 2 4

1:100 HOR 2 1 00 2 4 8

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

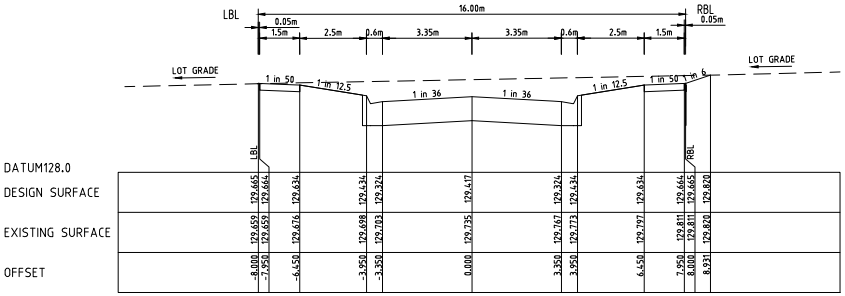
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
ROAD CROSS SECTIONS - SHEET 3

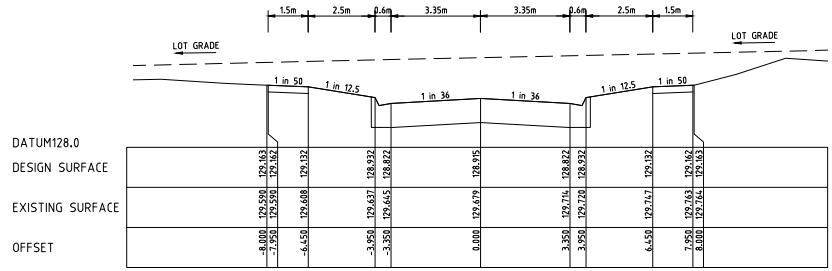
MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

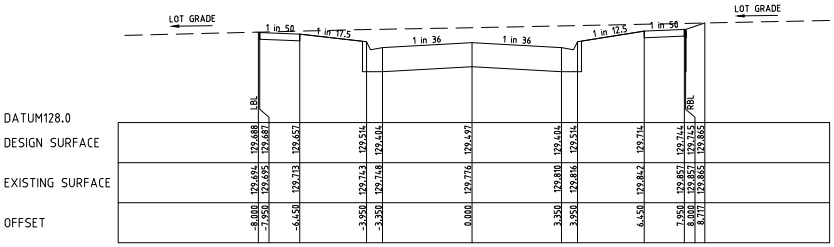
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 12 OF 21 | P1



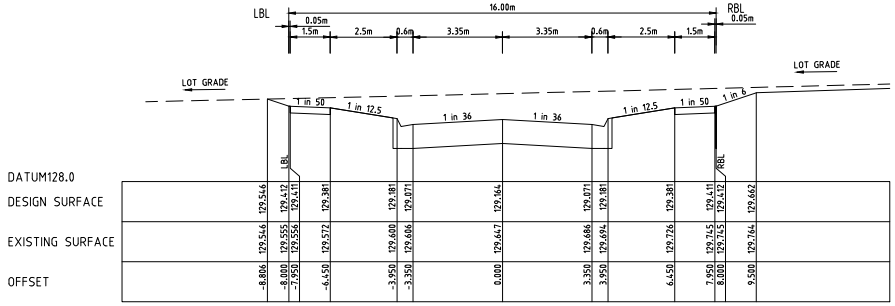
TARADALE CRESCENT CH 1125.460



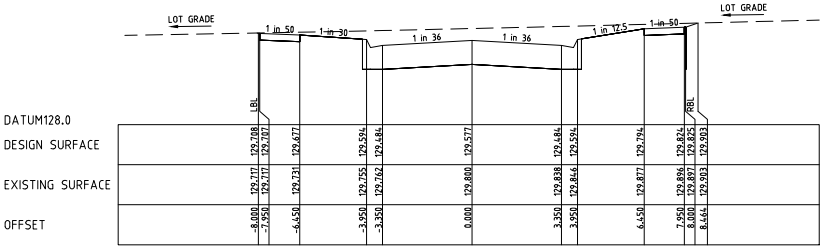
CH 1183.510



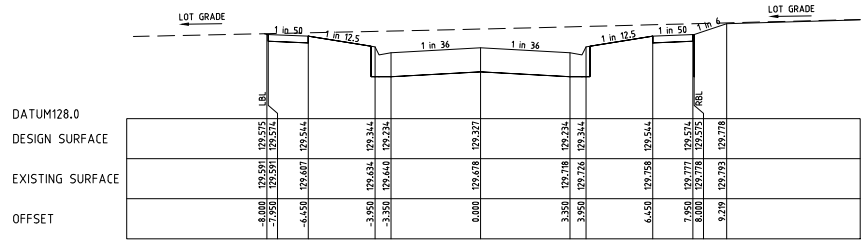
TARADALE CRESCENT CH 1109.460



CH 1161.460



TARADALE CRESCENT LIMIT OF WORKS CH 1093.460



CH 1143.460

FCR BACKFILL PLACED UNDER FOOTPATH WHERE ABOVE EXISTING SURFACE TO BE CLASS 3 OR CRUSHED CONCRETE CLASS 3

1:50 VER 1 0.5 00 1 2 4

1:100 HOR 2 1 00 2 4 8

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

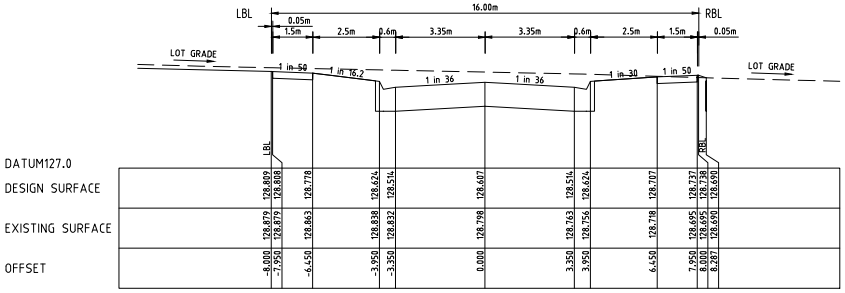
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
ROAD CROSS SECTIONS - SHEET 4

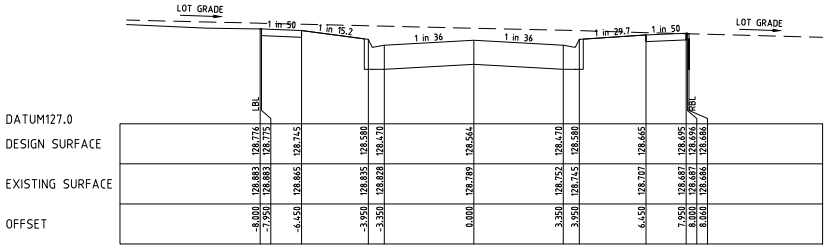
MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

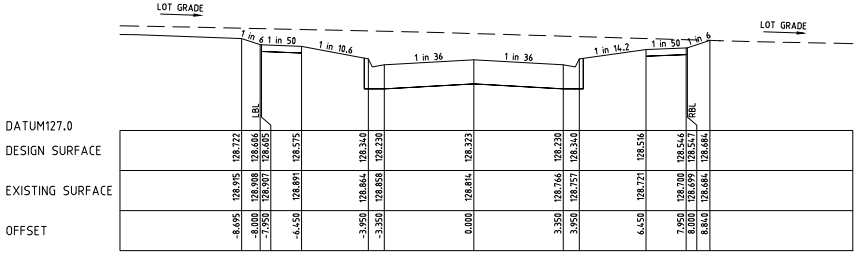
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 13 OF 21 | P1



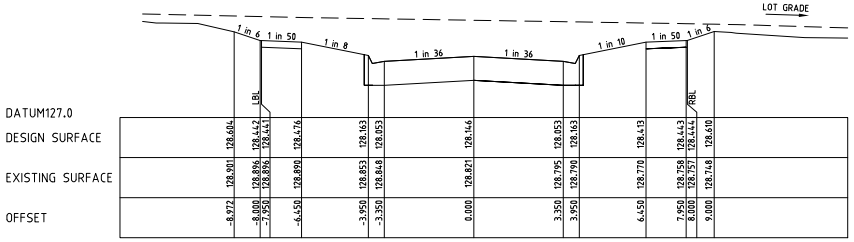
SLAVKO DRIVE CH 63.210



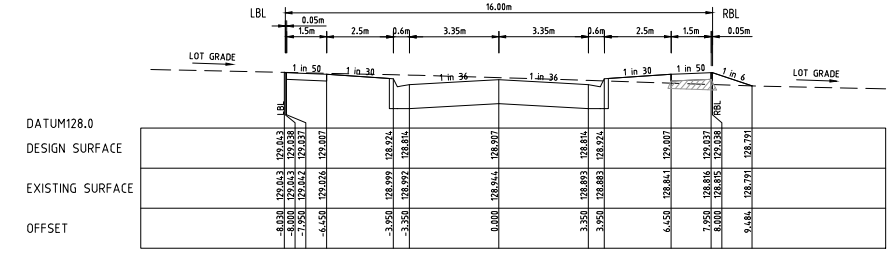
SLAVKO DRIVE CH 54.557



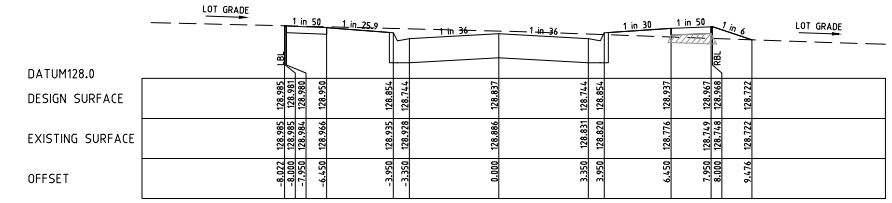
SLAVKO DRIVE CH 35.210



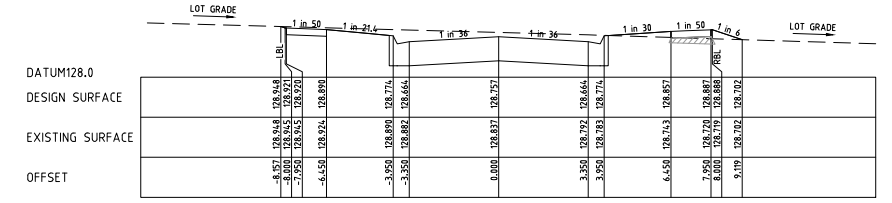
SLAVKO DRIVE LIMIT OF WORKS CH 19.325



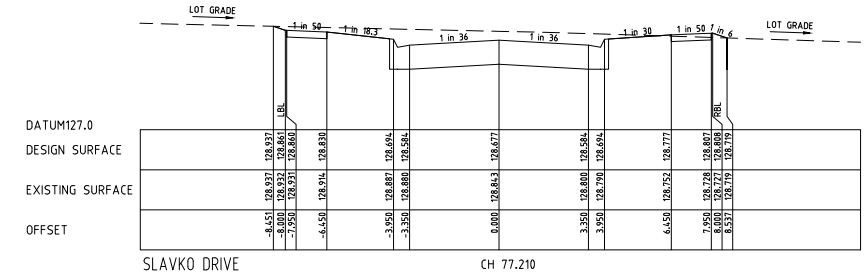
SLAVKO DRIVE CH 123.210



SLAVKO DRIVE CH 109.210



SLAVKO DRIVE CH 93.210



SLAVKO DRIVE CH 77.210

FCR BACKFILL PLACED UNDER FOOTPATH WHERE ABOVE EXISTING SURFACE TO BE CLASS 3 OR CRUSHED CONCRETE CLASS 3

1:50 VER 1 0.5 00 1 2 4

1:100 HOR 2 1 00 2 4 8

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

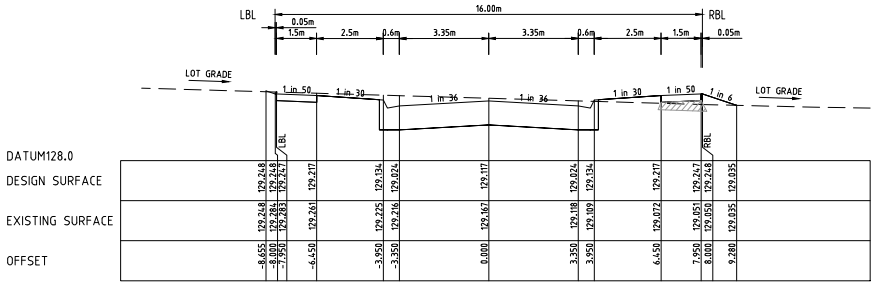
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
ROAD CROSS SECTIONS - SHEET 5

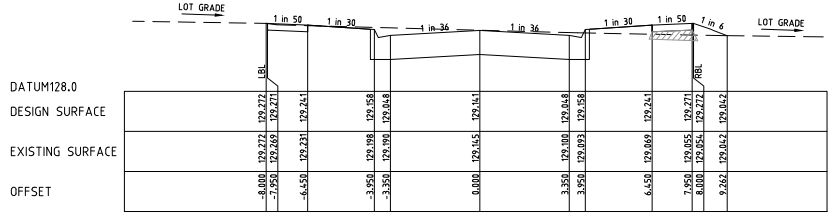
MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

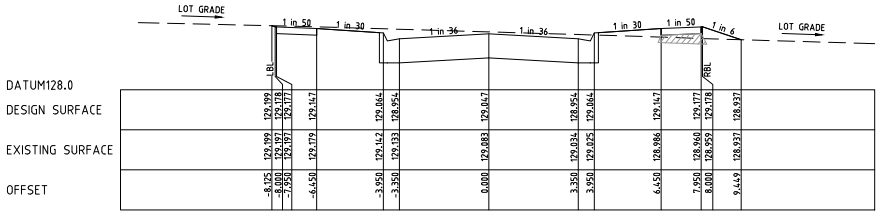
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 14 OF 21 | P1



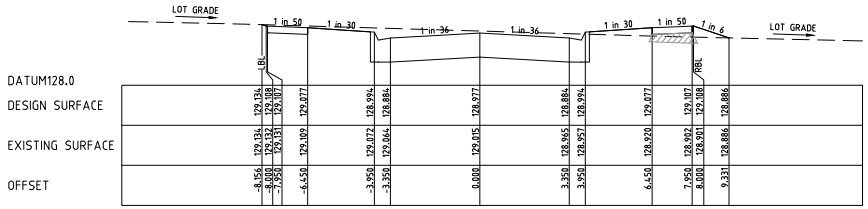
TP CH 181.508



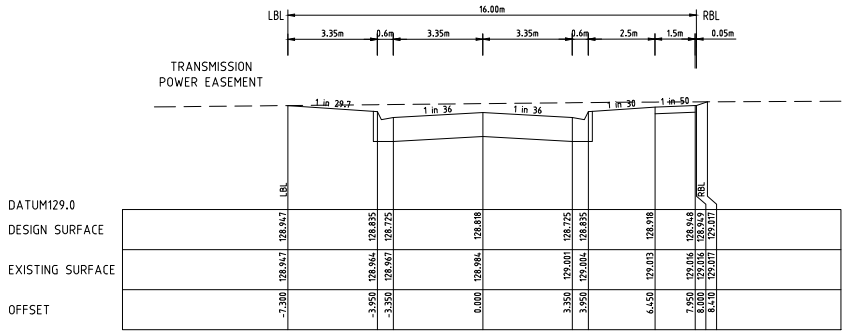
SLAVKO DRIVE CH 170.057



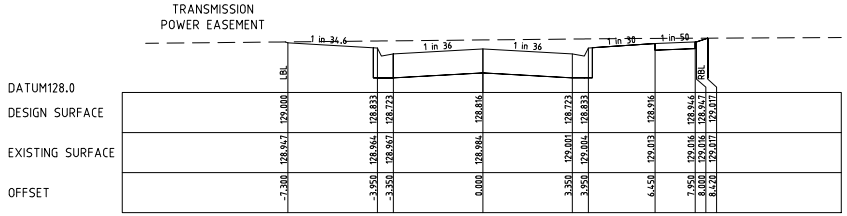
SLAVKO DRIVE CH 151.210



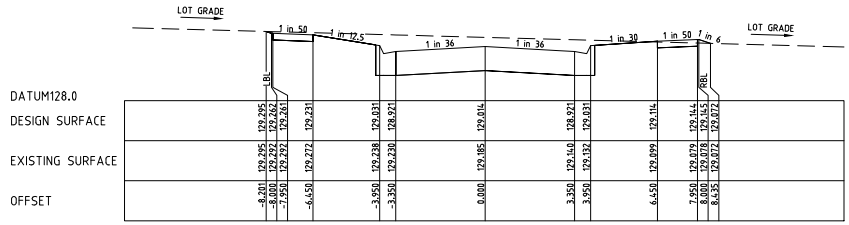
SLAVKO DRIVE CH 137.210



SLAVKO DRIVE LIMIT OF WORKS CH 246.732



SLAVKO DRIVE RTP CH 218.235



SLAVKO DRIVE RTP CH 196.827

FCR BACKFILL PLACED UNDER FOOTPATH WHERE ABOVE EXISTING SURFACE TO BE CLASS 3 OR CRUSHED CONCRETE CLASS 3

1:50 VER 1 0.5 00 1 2 4

1:100 HOR 2 1 00 2 4 8

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

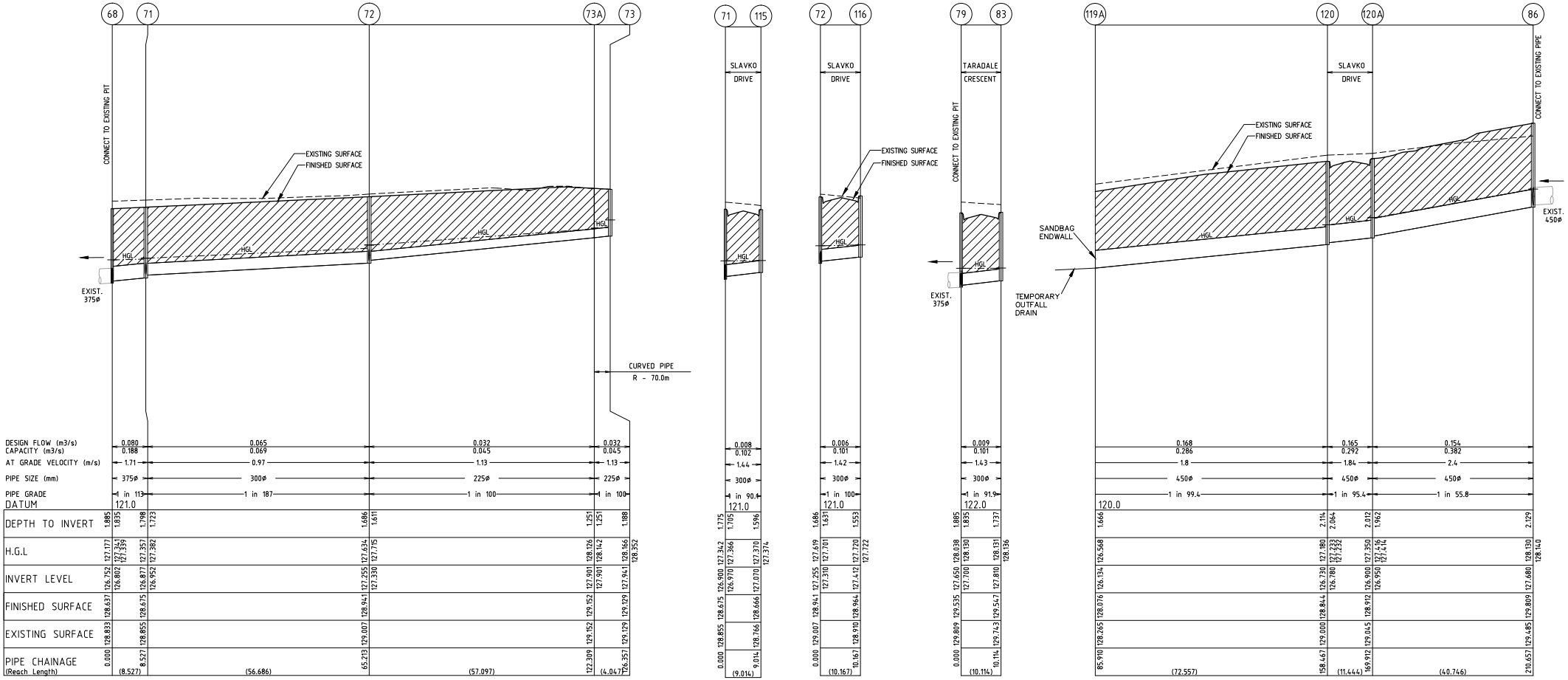
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
ROAD CROSS SECTIONS - SHEET 6

MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 15 OF 21 | P1



LEGEND:

- - - EXISTING SURFACE PROFILE

——— FINISHED SURFACE PROFILE

—HGL— HYDRAULIC GRADE LINE

ALL PIPES TO BE CLASS 2 UNLESS SHOWN OTHERWISE
RRJ DENOTES RUBBER RING JOINTED
FJ DENOTES FLUSH JOINTED WITH EXTERNAL SEALING BANDS

INDICATES CRUSHED ROCK BACKFILL

1:50 VER 1 0.5 00 1 2 4

1:500 HOR 10 5 00 10 20 40

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

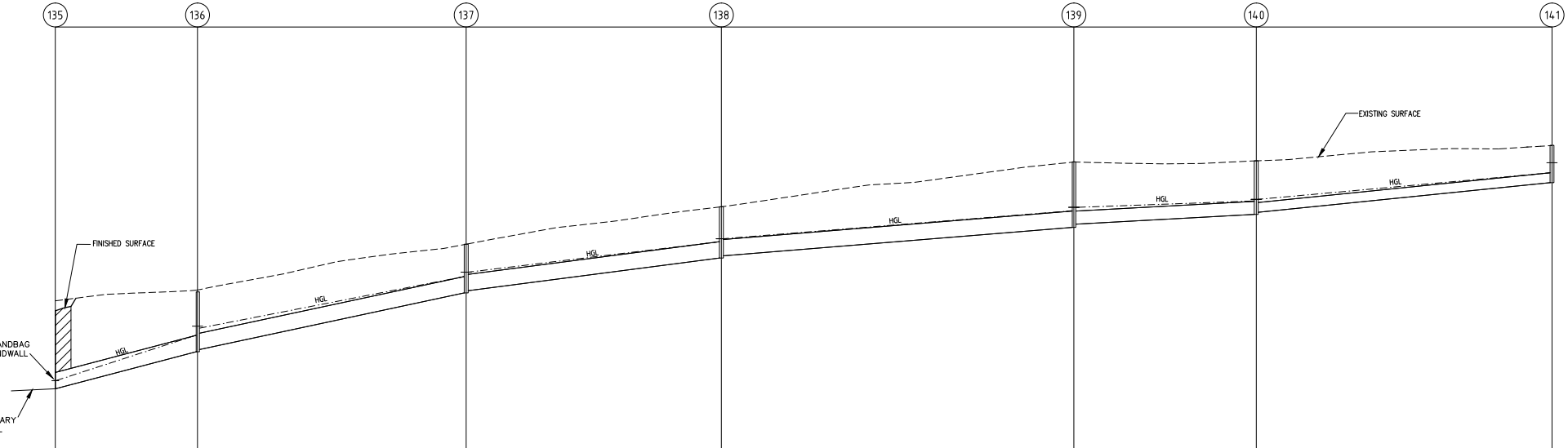
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
DRAINAGE LONGITUDINAL SECTIONS-1

MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 16 OF 21 | P1



DESIGN FLOW (m3/s)	0.138	0.141	0.115	0.096	0.058	0.039	
CAPACITY (m3/s)	0.283	0.255	0.199	0.159	0.070	0.045	
AT GRADE VELOCITY (m/s)	2.56	2.31	1.8	1.44	0.99	1.13	
PIPE SIZE (mm)	375ø	375ø	375ø	375ø	300ø	225ø	
PIPE GRADE	1 in 38.4	1 in 47.4	1 in 78	1 in 124	1 in 187	1 in 99.7	
DATUM	119.0						
DEPTH TO INVERT	1.789 / 1.789	1.415 / 1.365	1.118 / 1.068	1.177 / 1.127	1.505 / 1.430	1.232 / 1.182	0.856
H.G.L	123.185	124.225 / 124.175 / 124.391	125.575 / 125.676	126.375 / 126.442	127.085 / 127.164 / 127.161	127.310 / 127.346	127.955 / 128.187
INVERT LEVEL	123.000 / 123.000	123.850 / 123.900	125.200 / 125.250	126.000 / 126.050	126.702 / 126.777	127.000 / 127.050	127.730
FINISHED SURFACE	124.789	125.265	126.318	127.177	128.207	128.232	128.586
EXISTING SURFACE	125.018	125.265	126.317	127.176	128.203	128.230	128.581
PIPE CHAINAGE (Reach Length)	0.000	32.600 (32.600)	94.200 (61.600)	152.700 (58.500)	233.510 (80.810)	275.325 (41.815)	343.127 (67.802)

LEGEND:

– – – EXISTING SURFACE PROFILE

——— FINISHED SURFACE PROFILE

—HGL— HYDRAULIC GRADE LINE

ALL PIPES TO BE CLASS 2 UNLESS SHOWN OTHERWISE
RRJ DENOTES RUBBER RING JOINTED
FJ DENOTES FLUSH JOINTED WITH EXTERNAL SEALING BANDS

INDICATES CRUSHED ROCK BACKFILL

1:50 VER 1 0.5 00 1 2 4

1:500 HOR 10 5 00 10 20 40

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.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

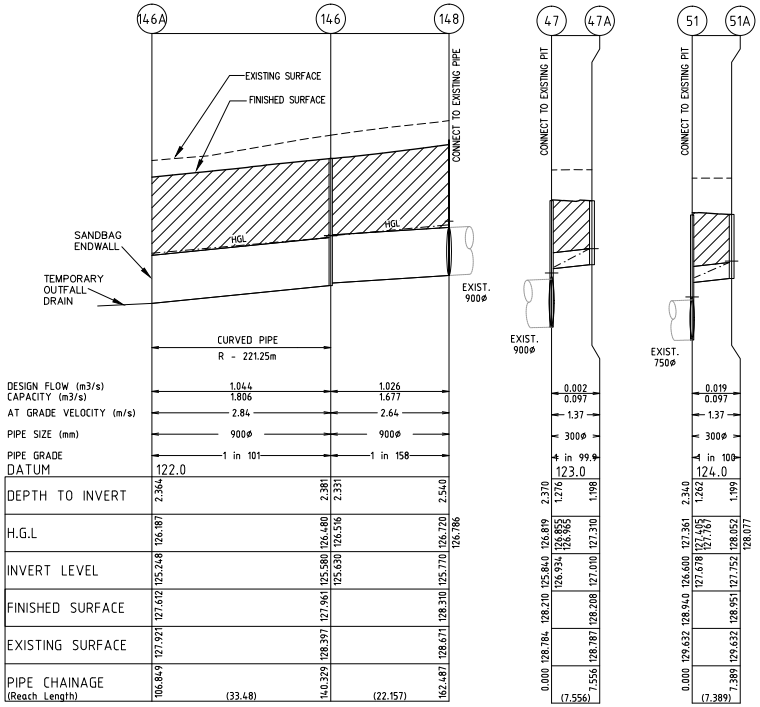
ASPIRE ESTATE STAGE 23

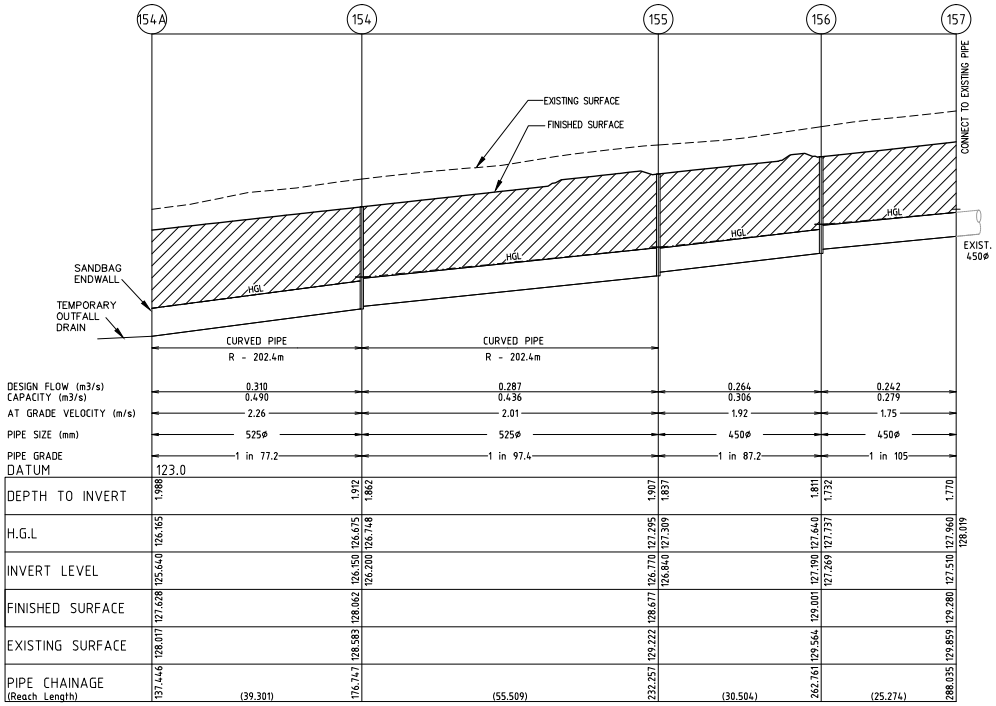
DRAINAGE LONGITUDINAL SECTIONS-2

MUNICIPALITY: MELTON

REFERENCE: 8226 E/23

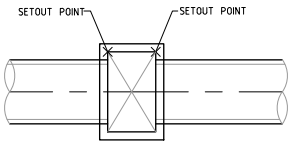
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 17 OF 21 | P1





PIT SCHEDULE

PIT No.	PIT DESCRIPTION	WIDTH	LENGTH	INLET DIA	INLET INVERT	OUTLET DIA	OUTLET INVERT	TOP PIT RL	DEPTH INVERT	REMARKS
47	Existing Junction Pit	1200	900	900	125.890	900	125.840	128.210	2.370	Existing Junction Pit. Replace Existing Junction Pit Lid with
				300	126.934					Side Entry Pit - Grated. Refer Drawing - EDCM 601
47A	Side Entry Pit - Grated	600	900			300	127.010	128.208	1.198	Refer Drawing - EDCM 601
48	Existing Junction Pit									Existing Junction Pit. Replace Existing Junction Pit Lid with
										Side Entry Pit - Grated. Refer Drawing - EDCM 601
48A	Existing Junction Pit									Existing Junction Pit. Replace Existing Junction Pit Lid with
										Side Entry Pit - Grated. Refer Drawing - EDCM 601
49	Existing Junction Pit									Existing Junction Pit. Replace Existing Junction Pit Lid with
										Side Entry Pit - Grated. Refer Drawing - EDCM 601
51	Existing Junction Pit	1200	900	750	126.650	750	126.600	128.940	2.340	Existing Junction Pit. Replace Existing Junction Pit Lid with
				300	127.678					Side Entry Pit - Grated. Refer Drawing - EDCM 601
51A	Side Entry Pit - Grated	600	900			300	127.752	128.951	1.199	Refer Drawing - EDCM 601
52	Existing Junction Pit									Existing Junction Pit. Replace Existing Junction Pit Lid with
										Side Entry Pit - Grated. Refer Drawing - EDCM 601
52A	Existing Junction Pit									Existing Junction Pit. Replace Existing Junction Pit Lid with
										Side Entry Pit - Grated. Refer Drawing - EDCM 601
53	Existing Junction Pit									Existing Junction Pit. Replace Existing Junction Pit Lid with
										Side Entry Pit - Grated. Refer Drawing - EDCM 601
68	Existing Junction Pit	600	900	300	126.827	375	126.752	128.637	1.885	Existing Pit
				375	126.802					
66	Existing Junction Pit									Refer Drawing - EDCM 601. Replace with heavy duty grated lid
71	Side Entry Pit - Grated	600	900	300	126.952	375	126.877	128.675	1.798	Refer Drawing - EDCM 601
				300	126.970					
72	Side Entry Pit - Grated	600	900	225	127.330	300	127.255	128.941	1.686	Refer Drawing - EDCM 601
				300	127.310					
73A	Tangent Point			225	127.901	225	127.901	129.152	1.251	
73	Junction Pit	600	900			225	127.941	129.129	1.188	Refer Drawing - EDCM 605.
79	Existing Junction Pit	600	900	375	127.700	375	127.650	129.535	1.885	Existing Junction Pit. Replace Existing Junction Pit Lid with
				300	127.700					Side Entry Pit - Grated. Refer Drawing - EDCM 601
83	Side Entry Pit - Grated	600	900			300	127.810	129.550	1.737	Refer Drawing - EDCM 601
86	Junction Pit	600	900			450	127.680	129.809	2.129	Refer Drawing - EDCM 605.
115	Side Entry Pit - Grated	600	900			300	127.070	128.666	1.596	Refer Drawing - EDCM 601
116	Side Entry Pit - Grated	600	900			300	127.412	128.964	1.553	Refer Drawing - EDCM 601
119A	End Wall					300	126.134	128.076	1.666	E299262.563 N5825263.100
120	Side Entry Pit - Grated	600	900	450	126.780	450	126.730	128.844	2.114	Refer Drawing - EDCM 601
120A	Side Entry Pit - Grated	600	900	450	126.950	450	126.900	128.912	2.012	Refer Drawing - EDCM 601
135	End Wall					375	123.000	124.789	1.789	E299157.851 N5825036.576
136	Junction Pit	600	900	375	123.900	375	123.850	125.265	1.415	Refer Drawing - EDCM 605. Future Pit Coordinates
										E 299125.143 N 5825041.330 / E 299126.035 N 5825041.210
137	Junction Pit	600	900	375	125.250	375	125.200	126.318	1.118	Refer Drawing - EDCM 605. Future Pit Coordinates
										E 299134.215 N 5825102.416 / E 299134.095 N 5825101.524
138	Junction Pit	600	900	375	126.050	375	126.000	127.177	1.177	Refer Drawing - EDCM 605. Future Pit Coordinates
										E 299142.104 N 5825160.370 / E 299141.984 N 5825159.478
139	Junction Pit	600	900	300	126.777	375	126.702	128.207	1.505	Refer Drawing - EDCM 605.
140	Junction Pit	600	900	225	127.050	300	127.000	128.232	1.232	Refer Drawing - EDCM 605.
141	Junction Pit	600	900			225	127.730	128.586	0.856	Refer Drawing - EDCM 605.
146A	End Wall					900	125.248	127.612	2.364	E299103.852 N5825186.474
146	Side Entry Pit - Grated	900	1200	900	125.630	900	125.580	127.961	2.381	Refer Drawing - EDCM 601. Haunched at top 600*900
148	Existing End Pipe					900	125.770	128.310	2.540	Connect to Existing Pipe
154A	End Wall					525	125.640	127.628	1.988	E299084.985 N5825186.922
154	Side Entry Pit - Grated	600	900	525	126.200	525	126.150	128.062	1.912	Refer Drawing - EDCM 601
155	Side Entry Pit - Grated	600	900	450	126.840	525	126.770	128.677	1.907	Refer Drawing - EDCM 601
156	Side Entry Pit - Grated	600	900	450	127.269	450	127.190	129.001	1.811	Refer Drawing - EDCM 601
157	Existing End Pipe					450	127.510	129.859	1.770	Connect to Existing Pipe



PIT SETOUT POINT DETAIL
NOT TO SCALE

LEGEND:

- - - EXISTING SURFACE PROFILE
——— FINISHED SURFACE PROFILE
—HGL— HYDRAULIC GRADE LINE

ALL PIPES TO BE CLASS 2 UNLESS SHOWN OTHERWISE
RRJ DENOTES RUBBER RING JOINTED
FJ DENOTES FLUSH JOINTED WITH EXTERNAL SEALING BANDS

INDICATES CRUSHED ROCK BACKFILL

1:50 VER 1 0.5 00 1 2 4
1:500 HOR 10 5 00 10 20 40

AMENDMENTS

VER.	DATE	REMARKS

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
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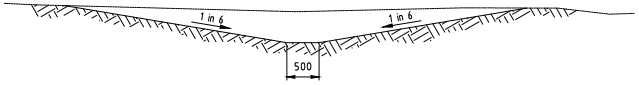
MELWAY REF. 354 C12
SURVEY BPD
DESIGN JGB
DRAWN IMW
CHECKED TBA

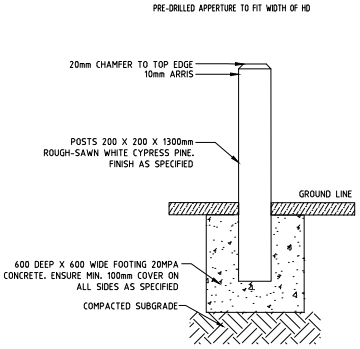
ASPIRE ESTATE
STAGE 23
DRAINAGE LONGITUDINAL SECTIONS-3

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

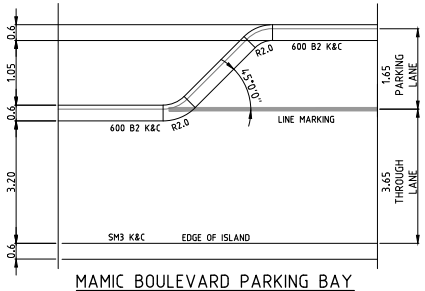
SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 18 OF 21 | P1



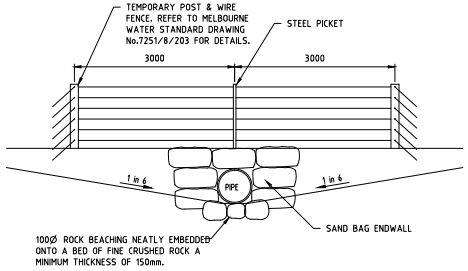
TEMPORARY OUTLET CHANNEL SECTION



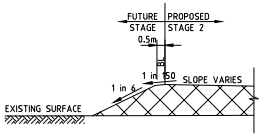
TYPICAL BOLLARD DETAIL
NOT TO SCALE



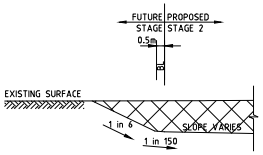
MAMIC BOULEVARD PARKING BAY
TRANSITION AND LINEMARKING DETAIL
NOT TO SCALE



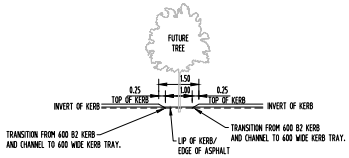
OUTLET A-A



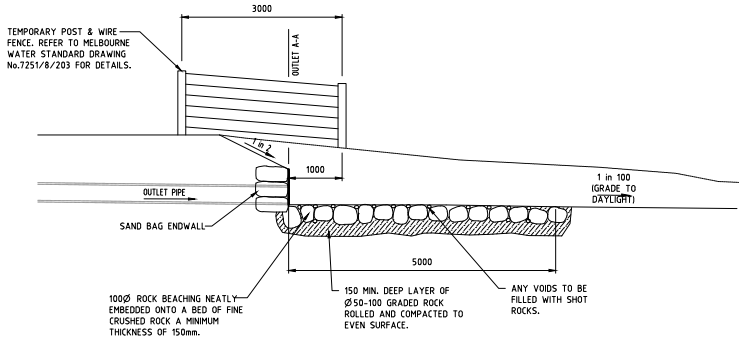
TYPICAL SECTION
WHEN IN FILL ON BOUNDARY
OF FUTURE STAGE
NOT TO SCALE



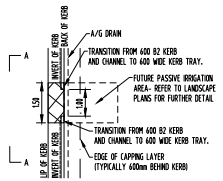
TYPICAL SECTION
WHEN IN CUT ON BOUNDARY
OF FUTURE STAGE
NOT TO SCALE



SECTION AA
NOT TO SCALE

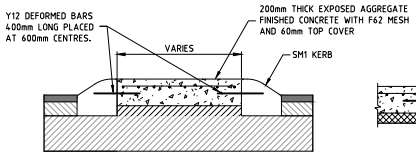


OUTLET

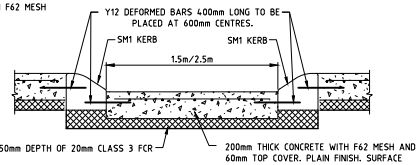


PLAN
SCALE 1:50

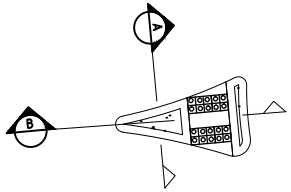
PASSIVE IRRIGATION AREA - TYPE B (TYPICAL)



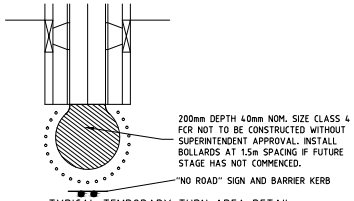
SECTION A
NOT TO SCALE



SECTION B
NOT TO SCALE



TRAFFIC ISLAND DETAIL
(WITH PEDESTRIAN REFUSE)
NOT TO SCALE



TYPICAL TEMPORARY TURN AREA DETAIL
NOT TO SCALE

AMENDMENTS					
VER.	DATE	REMARKS			

breese pitt dixon pty. ltd.
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telephone 8823 2300
fax no. 8823 2310

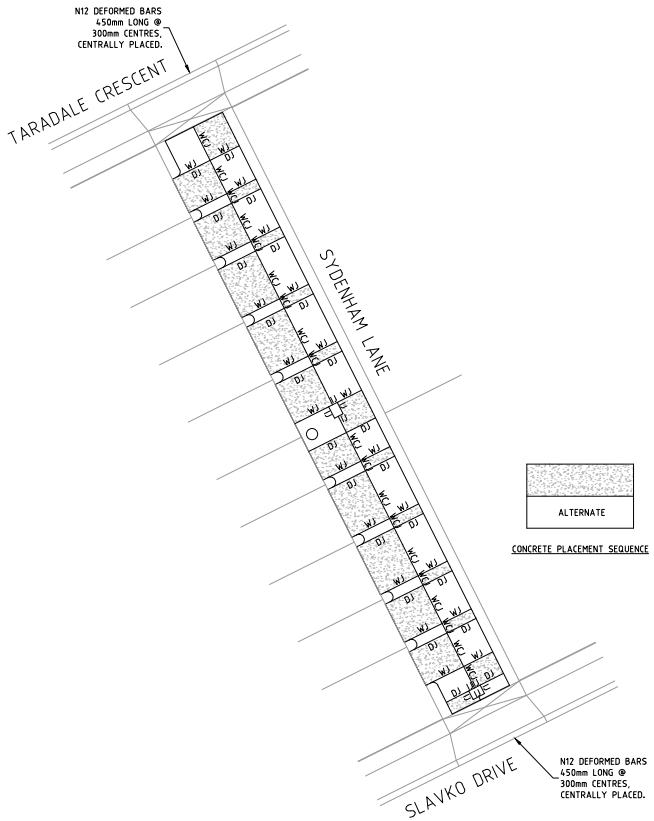
MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
TYPICAL DETAILS

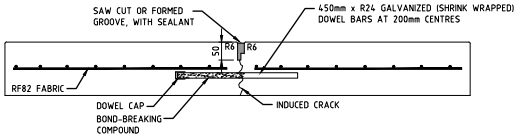
MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

SCALE NTS | DATUM AHD | DATE AUG '18 | SHEET 19 OF 21 | P1

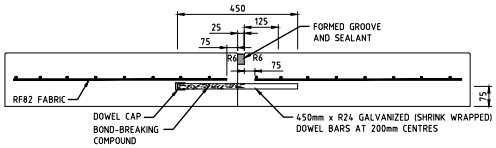
Product SPALES



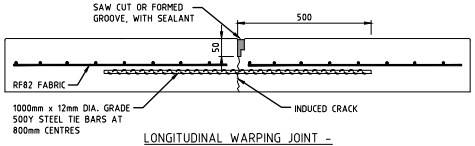
SYDENHAM LANE
JOINT LOCATIONS & TYPES
NOT TO SCALE



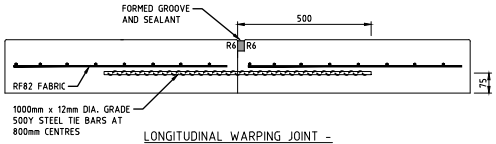
TRANSVERSE CONTRACTION JOINT -
DOWELLED JOINT (CJ)



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

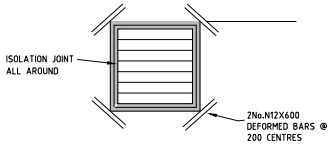


LONGITUDINAL WARPING JOINT -
WEAKENED PLANE JOINT (WJ)

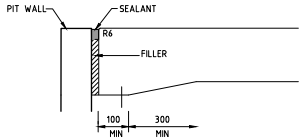


LONGITUDINAL WARPING JOINT -
CONSTRUCTION JOINT (WCJ)

CONCRETE JOINTING DETAILS
NOT TO SCALE



TYPICAL PIT JOINTING



ISOLATION JOINT (IJ)

JOINT DETAIL NOTES:

1. SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
2. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 12m.
3. ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
4. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".

NOTES:

1. CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING.

AMENDMENTS

VER.	DATE	REMARKS

breese pitt dixon pty. ltd.
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fax no. 8823 2310

MELWAY REF.	354 C12
SURVEY	BPD
DESIGN	JGB
DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE
STAGE 23
PAVEMENT DETAILS

MUNICIPALITY: MELTON
REFERENCE: 8226 E/23

SCALE NTS | DATUM AHD | DATE AUG '18 | SHEET 20 OF 21 | P1

Plotted: 9/8/18

REFER SHEET 39 FOR CONTINUATION

PLAN
SCALE 1:500

SIGNAGE LEGEND

- A STREET SIGNS
- B "GIVE WAY" SIGN
- C "TRAFFIC" SIGN
- D "PEDESTRAIN" SIGN
- E "CYCLIST/PEDESTRAIN" SIGN
- F "CHEVRON" SIGN D4-1-3 (RIGHT)
- G "CHEVRON" SIGN D4-1-3 (LEFT)
- H "NO PARKING LEFT" SIGN R5-35 (LEFT)
- I "NO PARKING RIGHT" SIGN R5-35 (RIGHT)

NOTES

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

b) ⊟ ⊟ INDICATES UNDIRECTIONAL & BIDIRECTIONAL RRPM'S PLACED AT 6.00m CTS

c) HAZARD / DIRECTIONAL TGSI'S SHOWN THUS ⊡ / ⊟ AND FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGSI'S SHALL CONFORM TO AS1428.4

d) PROVIDE EMERALD GREEN COLOURED HIGH FRICTION SURFACE TREATMENTS ALONG SHARED PATH DENOTED THUS: SURFACE TREATMENT MUST COMPLPY 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) FOR SIGNAGE AROUND INTERSECTION OF MAMIC BOULEVARD AND TARADALE CRESCENT & MAMIC BOULEVARD AND SLAVKO DRIVE REFER MPA - SEPERATED 2-WAY BICYCLE PATH AND ROAD INTERSECTION LAYOUT FIGURE 001

1:500 10 5 00 10 20 40

SYMBOL LEGEND

	Prop	Exist
Drains		
Sewer <300	S	S
Sewer >300	S	S
Water	W	W
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Retaining Wall		
Conduits 50mm	GW	GW
Conduits 100mm	W100	W100
Ex Gas/Elect/Tel	G E T	

Temporary Bench Mark (TBM)
Ex/Natural/FS Level 28.57
FS @ Building Line 86.28.57
Top/Toe of Batter TOP28.57 / TOE28.57
Top Ret. Wall Level TW28.57
Fill Prop/Ex (0.2m–0.5m depth)
Fill Prop/Ex (> 0.5m depth)
Cut Prop/Ex (> 0.2m depth)
Threshold Treatment

VER.	DATE	REMARKS

AMENDMENTS

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MELWAY REF.	354 C12
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DRAWN	IMW
CHECKED	TBA

ASPIRE ESTATE STAGE 23
SIGNS AND LINEMARKING

MUNICIPALITY: MELTON
REFERENCE: 8266 E/23

SCALE AS SHOWN | DATUM AHD | DATE AUG '18 | SHEET 21 OF 21 | P1