

LOCALITY PLAN
1:5000

SHT. No.	VER	DRAWING INDEX	
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SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd RESERVE	WATER		SEWER RISING MAIN	GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
		DW	NDW			CABLES	POLES	FTTH CABLES	FTTH PITS		
WATERGARDEN CIRCUIT (LOTS 608-610)	16.00	2.95 W	2.50 W	1.55 W	2.10 W	2.10 E	1.00 BOK	0.80 E	1.80 W	4.20 W 3.90 E	G/DW/NDW & FTTH/E
WATERGARDEN CIRCUIT (LOTS 626-660)	16.00	2.95 S	2.50 S	1.55 S	2.10 S	2.40 N	1.00 BOK	1.80 N	1.80 S	4.20 S 3.90 N	G/DW/NDW & FTTH/E
WATERGARDEN CIRCUIT (LOTS 660-661)	13.50	2.90 N&W	2.45 N&W	1.55 N&W	2.00 N&W	4.30 N&W	1.00 BOK	3.50 N&W	3.50 N&W	1.20 S&E 6.35 N&W	G/DW/NDW & FTTH/E
SPRAY CIRCUIT (LOTS 611-615)	13.50	2.90 E	2.45 E	1.55 E	2.00 E	4.30 E	1.00 BOK	3.50 E	3.50 E	1.20 W 6.35 E	G/DW/NDW & FTTH/E
SPRAY CIRCUIT (LOTS 615-619)	13.50	2.90 S	2.45 S	1.55 S	2.00 S	4.30 S	1.00 BOK	3.50 S	3.50 S	1.20 N 6.35 S	G/DW/NDW & FTTH/E
SPRAY CIRCUIT (LOTS 619-622)	13.50	2.90 W	2.45 W	1.55 W	2.00 W	4.30 W	1.00 BOK	3.50 W	3.50 W	1.20 E 6.35 W	G/DW/NDW & FTTH/E



WARNING
BEWARE OF UNDERGROUND SERVICES
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- ATTENTION TO CONTRACTOR**
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
 - 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.
 - WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.



LEGEND

PROP DRAINAGE		LOT LEVEL - F.S. / EXIST	
EXIST DRAINAGE		F.S. AT BUILDING LINE	
DRAINAGE PIT/DIA./FLOW		TOP / TOE OF BATTER	
PROPERTY INLET		KERBING TYPE	
HOUSE DRAIN		LOT Bdy CHAINAGE	
RETAINING WALL DRAIN		LOTS EASEMENT	
PROP/EX/FUT SEWER		STREET SIGN	
PROP/EX/FUT WATER		LINEMARKING	
PROP/EX/FUT 100mm CONDUIT		DRIVEWAY	
PROP RETAINING WALL		PSM	
EXIST RETAINING WALL		REMOVE EXIST TREE	
EXIST HP OIL			
EXIST TELECOMS			
100φ IRRIGATION CONDUIT			
FILL - PROP / EXIST			
CUT - PROP / EXIST			

VER	DATE	REMARKS	CHECKED
D	03/03/21	FILL HATCH UPDATED	MELWAY REF. 129-C6
C	29/04/20	SERVICE OFFSETS WATERGARDEN CIRCUIT (LOTS 608-610)	SURVEY BPD
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)	DESIGN DG
A	15/08/19	ISSUED FOR CONSTRUCTION	DRAWN DG

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land surveyors civil engineers

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hawthorn east, 3123
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AQUAREVO ESTATE
STAGE 6B
LAYOUT PLAN AND DETAILS

MUNICIPALITY: **CASEY**
REFERENCE: **8766 E/06B**

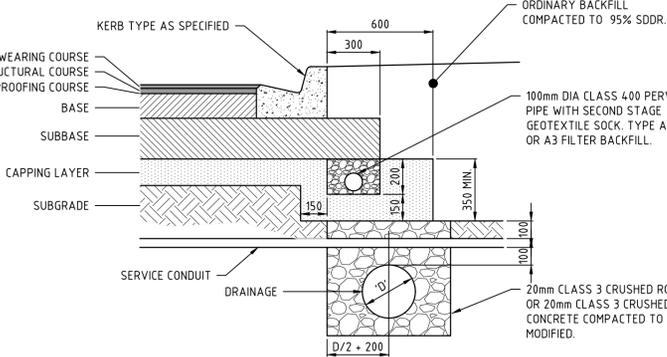
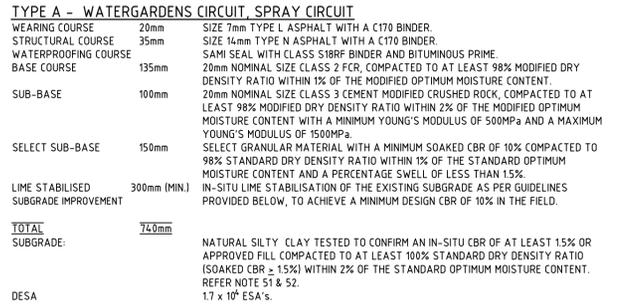
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NOTES

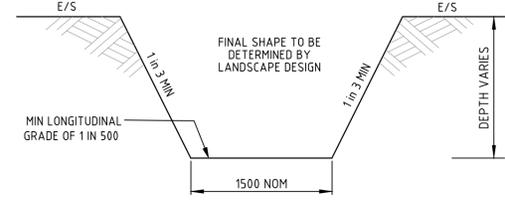
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT AND THE CITY OF CASEY CURRENT SPECIFICATION AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CITY OF CASEY WORKS SUPERVISOR.
- COUNCIL TO BE NOTIFIED TWO (2) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES. CENTRELINE OF PITS AT TP's TO BE OFFSET 1.00 METRE.
- ALL DRAINAGE PIPES TO BE RCP(IRR).
- R.C. PIPES TO BE CLASS 2 & P.V.C PIPES TO BE CLASS SH UNLESS OTHERWISE SPECIFIED.
- WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UP TO A LEVEL WHERE THE 45deg. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO A RELATIVE COMPACTION OF 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
 - BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.
 - (TRENCHES TO BE BACKFILLED IN LAYERS NOT EXCEEDING 200mm LOOSE.)
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 500mm. REFER GAA STD DWGS FIG016, FIG017 & FIG018.
- 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 GAA STD DWGS FIG016, FIG017 & FIG018.
- AGRICULTURAL PIPE DRAINS, AS PER GAA STD DWG FIG020, TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER.
- ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
- LOTS TO BE GRADED (1 in 150 MIN SLOPE) & LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER. FINISHED LEVELS TO BE COMPATIBLE WITH LOTS ADJOINING THIS STAGE.
- ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIAL IS TO BE BURNT ON SITE.
- RESERVES TO BE FREE DRAINING AND TO BE LEFT IN A CONDITION SATISFACTORY TO THE CITY ENGINEER.
- FILL AREAS IN ALL PROPERTIES AND ROAD RESERVES TO BE STRIPPED OF TOPSOIL & VEGETABLE MATTER, FILLED USING APPROVED CLAY FILL, AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS3798-2007, SECTION 8.2, LEVEL 1 ("GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"). ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT, FROM A NATA REGISTERED SOIL TESTING LABORATORY, NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
- 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.
- BATTERS TO BE 1 IN 5 FOR FILL AND 1 IN 3 FOR CUT UNLESS NOTED OTHERWISE.
- CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
- WHERE CUT BATTERS EXCEED 700mm AN ADDITIONAL 300mm BERM SHALL BE FORMED BEHIND FOOTPATH.
- ACCESS RAMPS ARE TO BE CONSTRUCTED WHERE CUT BATTERS EXCEED 1.0m. THEY ARE TO BE GRADED 1 IN 10 FOR THE FIRST 2.5m FROM THE BACK OF PATH AND THEN AT A MAXIMUM OF 1 IN 4 TO NATURAL SURFACE.
- 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 PLACED CENTRALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG FIG006.
- PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG FIG009.
- ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER. A TOWN PLANNING PERMIT IS REQUIRED FOR THE REMOVAL OF NATIVE TREES AND OR VEGETATION. THE REMOVAL OR RETENTION OF ANY EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN, OR ELSE APPROVAL WILL BE REQUIRED FROM THE CASEY LANDSCAPE APPROVALS OFFICER.

- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED PRIOR TO THE COMMENCEMENT OF WORKS.
- THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- TELSTRA/NBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- ELECTRICAL DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO BE A MINIMUM OF 300mm WITHIN THE EDGE OF THE PATH. CONCRETE IS TO BE PLACED AROUND DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200mm.
- ALL STREET SIGNS TO BE CONSTRUCTED AND ERECTED TO CURRENT CITY OF CASEY STANDARDS INCLUDING LOGO. COURT STREET NAMES ARE TO SHOW COURT NAME ONLY.
- TRAFFIC CONTROL SIGNS, MARKINGS & DELINEATORS TO BE INSTALLED IN ACCORDANCE WITH AS174.2.2. ALL LINE MARKING IS TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC & TRANSVERSE MARKINGS IN COLD APPLIED.
- ALL DRIVEWAYS ARE TO BE OFFSET 0.75m FROM SIDE BOUNDARIES AND EASEMENTS UNLESS OTHERWISE SHOWN, AND CONSTRUCTED AS PER GAA STD. DWG. FIG010 & FIG011.
- ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL. REFER GAA STD DWGS EDCM301, 302 AND CASEY STD DWGS.
- KERB TRANSITION TO TAKE PLACE IN THE MINOR STREET OVER A 2.0m LENGTH FROM EITHER THE TANGENT POINT OR TP PIT.
- EXISTING ROAD WORKS TO BE RECONSTRUCTED AS REQUIRED TO PROVIDE, WITHOUT DISCONTINUITY, A CONNECTION IN ACCORDANCE WITH DESIGN LEVELS AND GRADES.
- PAVEMENT TO BE AS PER TYPICAL DETAIL.
- MODIFICATION OF THE PAVEMENT REQUIRES APPROVAL BY THE CITY OF CASEY WORKS SUPERVISOR.
- PATTERNED CONCRETE TO CONSIST OF:
 - 32MPa CHARCOAL COLOURED COBBLESTONE PATTERNED CONCRETE, REINFORCED WITH F72 MESH. (REFER DETAIL FOR DEPTH)
 - 50mm COMPACTED DEPTH OF 20mm NOMINAL SIZE CLASS 3 C.R.
- 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.
- 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.
- PROVIDE 2.5m WIDE SHARED FOOTPATH THROUGH RESERVES AS SHOWN ON A CURVILINEAR ALIGNMENT TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM'S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTALLMENT AT THE CONTRACTORS EXPENSE.
- PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No 275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
- PROVIDE PAINTED PALING FENCE ALONG ANY BOUNDARY COMMON TO LOTS & MUNICIPAL RESERVES AS PER COUNCIL STD. DWG. S-706. PALINGS TO BE ON THE RESERVE SIDE.
- PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD DWG 7251/4/203) ALONG EXTENT OF OUTFALL DRAIN WHERE THE DRAIN IS GREATER THAN 15m IN DEPTH AND SIDE SLOPES ARE STEEPER THAN 1 IN 3. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.
- A TEMPORARY FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING TREES, NOMINATED TO BE RETAINED, AT ALL TIMES DURING CONSTRUCTION. FOR FENCING DETAILS AND CONSTRUCTION WORKS WITHIN THE "TREE PROTECTION ZONE" REFER TO THE ARBORICULTURAL INSPECTION REPORT BY A & R TREE SURGEONS (18th MARCH 2003).
- CONTRACTOR TO REMOVE EXISTING IRRIGATION AND DRAINAGE PIPES AND PITS ENCOUNTERED ON SITE. TRENCHES TO BE BACKFILLED IN ACCORDANCE WITH NOTES 16 & 17.
- TACTILE GROUND SURFACE INDICATORS (TGSII) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS AND PEDESTRIAN CROSS POINTS, REFER GAA STD DWGS EDCM403.
- SAW CUT EXISTING KERBS AND FOOTPATH AND CONNECT TO NEW KERB/FOOTPATH.
- DOWELL ALL INTERFACES BETWEEN PROPOSED CONCRETE WORKS AND EXISTING CONCRETE. CENTRALLY INSERT N12 DEFORMED BARS (2 MIN. AT KERB INTERFACE), 450mm LONG AT 300mm CENTRES. ONE END OF DOWELL TO BE SLEEVED OR GREASED.
- SITE INSPECTIONS AND TESTING ON SUBGRADE MATERIAL (INSITU AND FILL) MUST BE CARRIED OUT BY THE COUNCIL SUPERVISOR AND STABILISATION CONTRACTOR TO DETERMINE THE EXACT DEPTH AND PROPORTIONS OF CEMENT/LIME STABILISATION REQUIRED.
- SUITABLE CLAY MUST BE IMPORTED OR SOURCED FROM SITE FOR USE AS FILL UNDER ROAD PAVEMENTS. THE FILL MATERIAL MUST ALSO BE INSPECTED, TESTED AND STABILISED TO A MINIMUM DEPTH OF 300mm AS PER ABOVE. THE BLACK SILTY CLAY FOUND ON SITE IS NOT SUITABLE FOR USE AS FILL UNDER PAVEMENTS.
- 1000 CLASS 12 PVC IRRIGATION CONDUIT TO BE PLACED UNDER ALL CROSSOVERS AND ROAD PAVEMENTS IN LOCATIONS SHOWN.

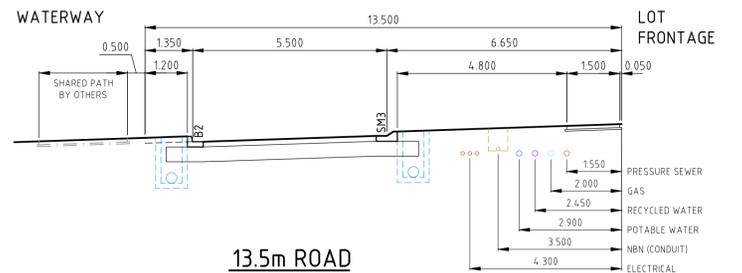
PAVEMENT COMPOSITION



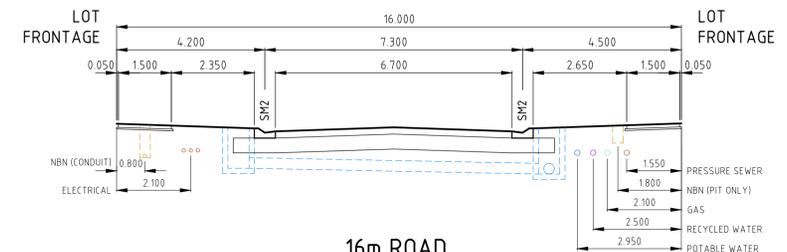
PAVEMENT COMPOSITION
SCALE 1:20



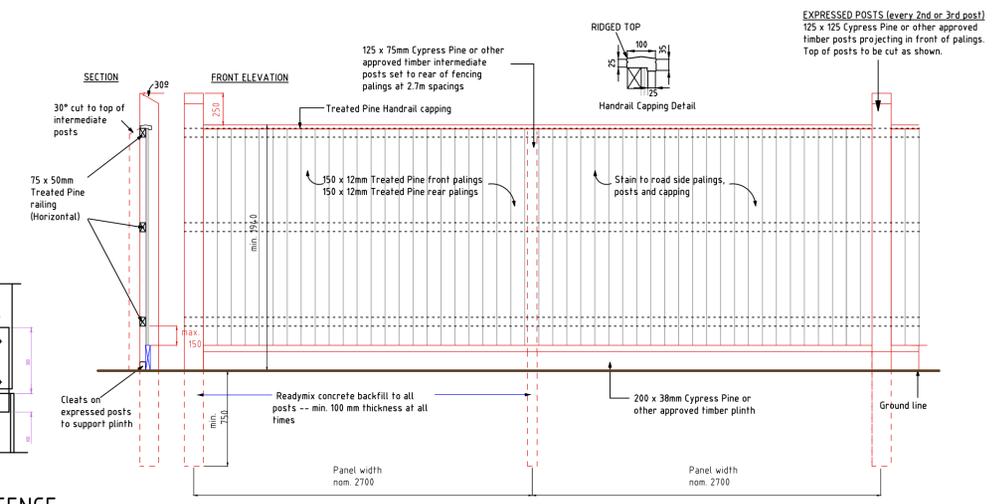
LANDSCAPED CHANNEL DETAIL
NOT TO SCALE



13.5m ROAD SPRAY CIRCUIT WATERGARDENS CIRCUIT (LOTS 631-632)
ACCESS PLACE (ADJACENT WATERWAY)



16m ROAD WATERGARDENS CIRCUIT (LOTS 608-610)
ACCESS STREET - LEVEL ONE



PALING FENCE CONNECTION DETAIL
NOT TO SCALE

TIMBER PALING FENCE
NOT TO SCALE

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MELWAY REF. 129-C6		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
SURVEY BPD		AQUAREVO ESTATE STAGE 6B		MUNICIPALITY CASEY
DESIGN DG		NOTES AND TYPICAL CROSS SECTIONS		REFERENCE 8766 E/06B
DRAWN DG		SCALE As Shown		DATUM AHD
CHECKED		DATE Jun'19		SHEET 2 OF 11

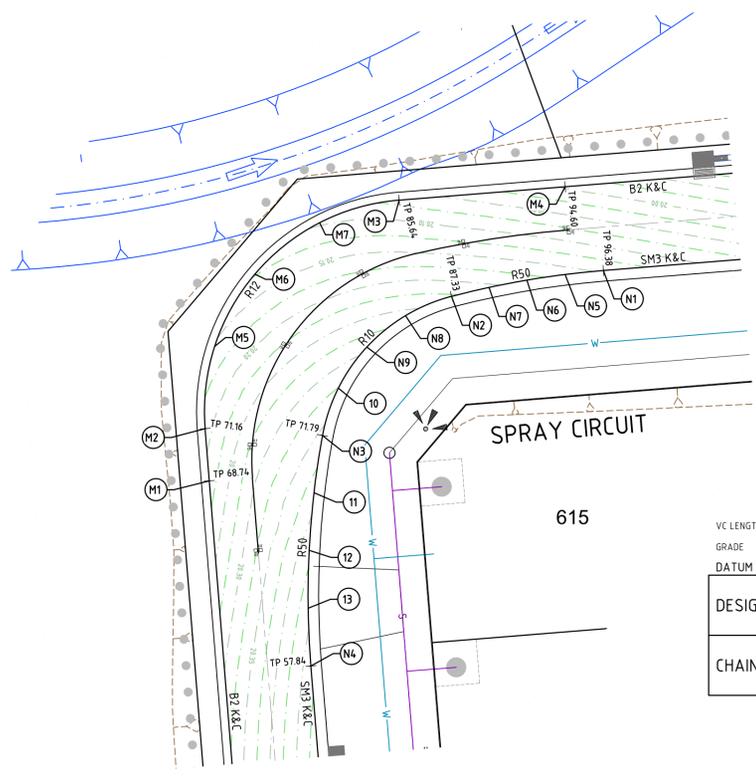


VC LENGTH	15.62m V.C.		15.62m V.C.	
GRADE	-0.83%		-0.83%	
DATUM 19				
DESIGN LIP	20.212	20.188	20.153	19.997
CHAINAGE	0.000	2.961	7.811	31.744

LIP LINE M
H 1:400 V 1:40

Alignment M			
Point no	Easting	Northing	RL
kg 06 M 1	1369.325	1451.414	20.212
kg 06 M 2	1369.087	1454.365	20.188
kg 06 M 3	1380.084	1467.316	20.167
kg 06 M 4	1389.487	1468.049	19.997
kg 06 M 5	1369.628	1459.015	20.154
kg 06 M 6	1371.948	1463.305	20.123
kg 06 M 7	1375.580	1466.011	20.096

Curve no	l	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL	
kg 06 M 2	3	90.000	12.000	18.850	3.515	2.601	3.893	4.592	4.712	20.123



VC LENGTH	15m V.C.		15m V.C.	
GRADE	0.85%		1.2%	
DATUM 19				
DESIGN LIP	20.145	20.216	20.300	20.443
CHAINAGE	0.000	7.630	15.000	30.000

LIP LINE N
H 1:400 V 1:40

Alignment N			
Point no	Easting	Northing	RL
kg 06 N 1	1391.659	1463.308	20.145
kg 06 N 2	1382.055	1461.850	20.229
kg 06 N 3	1375.743	1463.977	20.356
kg 06 N 4	1375.086	1446.942	20.465
kg 06 N 5	1389.486	1463.085	20.165
kg 06 N 6	1387.325	1462.767	20.185
kg 06 N 7	1385.180	1462.355	20.206
kg 06 N 8	1380.448	1460.757	20.260
kg 06 N 9	1378.252	1458.979	20.293
kg 06 N 10	1378.641	1456.657	20.326
kg 06 N 11	1375.259	1450.742	20.389
kg 06 N 12	1374.987	1447.481	20.417
kg 06 N 13	1374.929	1444.210	20.442

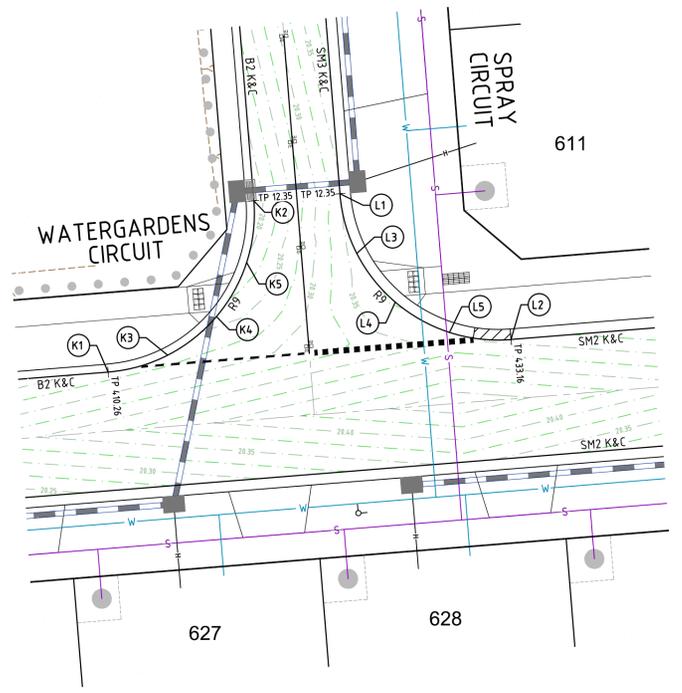
Curve no	l	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL	
kg 06 N 1	2	-10.013	-50.000	8.738	0.191	0.163	2.180	2.184	2.185	20.185
kg 06 N 2	3	-64.987	-10.000	11.342	1.565	1.166	2.574	2.798	2.836	20.293
kg 06 N 3	4	-14.999	-50.000	13.089	0.428	0.321	3.256	3.270	3.272	20.417

VC LENGTH	7.87m V.C.		7.07m V.C.	
GRADE	0.50%		-1.10%	
DATUM 19				
DESIGN LIP	20.260	20.265	20.238	20.205
CHAINAGE	0.000	2.203	7.069	10.603

LIP LINE K
H 1:400 V 1:40

Alignment K			
Point no	Easting	Northing	RL
kg 06 K 1	1365.611	1385.512	20.260
kg 06 K 2	1373.858	1395.207	20.182
kg 06 K 3	1368.989	1386.472	20.263
kg 06 K 4	1371.742	1388.651	20.238
kg 06 K 5	1373.452	1391.719	20.205

Curve no	l	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL	
kg 06 K 1	2	-90.000	-9.000	14.137	2.636	1.951	2.920	3.444	3.534	20.238

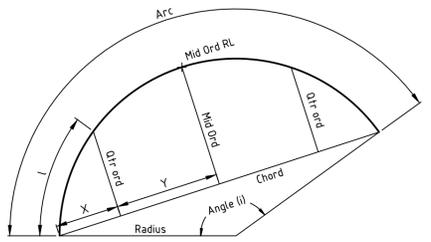


VC LENGTH	7.87m V.C.		7.07m V.C.	
GRADE	0.50%		-0.50%	
DATUM 19				
DESIGN LIP	20.345	20.379	20.343	
CHAINAGE	0.000	6.828	14.137	

LIP LINE L
H 1:400 V 1:40

Alignment L			
Point no	Easting	Northing	RL
kg 06 L 1	1378.743	1395.601	20.345
kg 06 L 2	1388.437	1387.353	20.343
kg 06 L 3	1379.702	1392.223	20.363
kg 06 L 4	1381.882	1389.469	20.378
kg 06 L 5	1384.949	1387.759	20.360

Curve no	l	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL	
kg 06 L 1	2	-90.000	-9.000	14.137	2.636	1.951	2.920	3.444	3.534	20.378

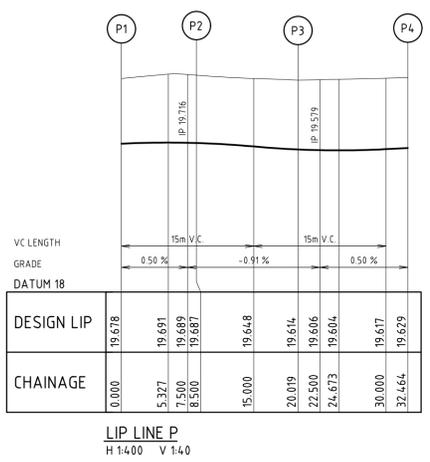


CURVE SETOUT DIAGRAM

NOTE:
ALL SETOUT DETAILS ARE
AT LIP OF KERB



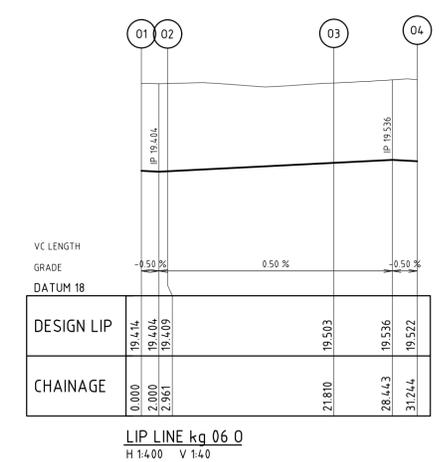
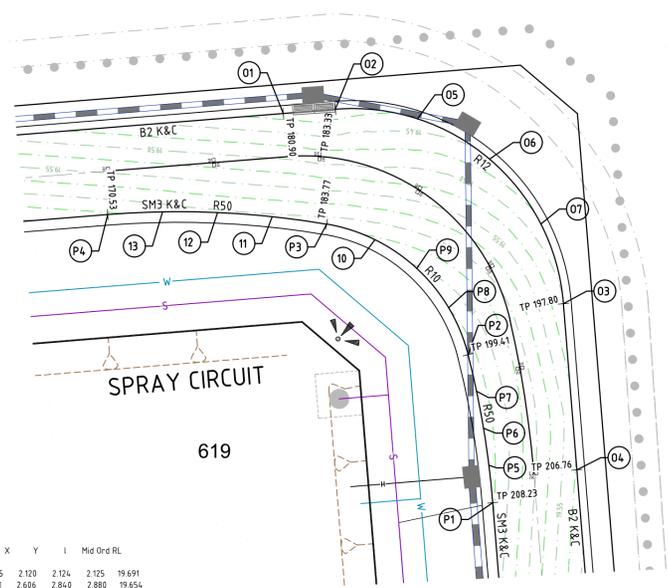
		MELWAY REF. 129-C6	AQUAREVO ESTATE STAGE 6B INTERSECTION DETAILS	MUNICIPALITY CASEY
		SURVEY BPD		REFERENCE 8766 E/06B
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)	DESIGN DG	SCALE As Shown DATUM AHD DATE Jun'19
A	15/08/19	ISSUED FOR CONSTRUCTION	DRAWN DG	
VER.	DATE	REMARKS	CHECKED	DATE



Alignment P

Point no	Easting	Northing	RL
kg 06 P 1	14 871 382	14 52 970	19 678
kg 06 P 2	14 85 984	14 61 344	19 687
kg 06 P 3	14 77 972	14 68 724	19 614
kg 06 P 4	14 65 571	14 69 269	19 629
kg 06 P 5	14 87 166	14 55 084	19 687
kg 06 P 6	14 86 861	14 57 187	19 691
kg 06 P 7	14 86 466	14 59 275	19 691
kg 06 P 8	14 84 881	14 63 993	19 674
kg 06 P 9	14 83 071	14 66 220	19 654
kg 06 P 10	14 80 703	14 67 862	19 630
kg 06 P 11	14 74 890	14 69 150	19 605
kg 06 P 12	14 71 788	14 69 383	19 605
kg 06 P 13	14 68 678	14 69 423	19 614

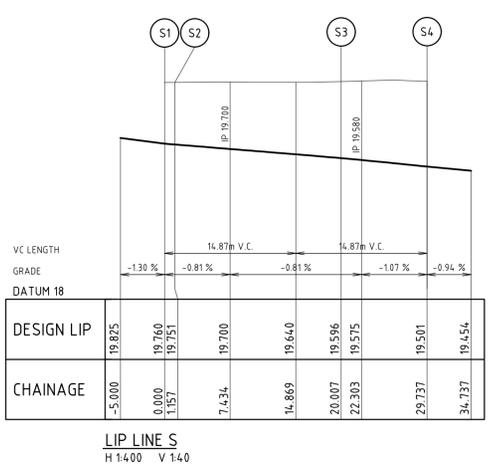
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 06 P 1 2	-9.740	-50.000	8.500	0.181	0.135	2.120	2.124	2.125	19.691
kg 06 P 2 3	-65.999	-10.000	11.519	1.613	1.201	2.606	2.840	2.880	19.654
kg 06 P 3 4	-16.261	-50.000	12.445	0.387	0.290	3.097	3.109	3.111	19.605



Alignment O

Point no	Easting	Northing	RL
kg 06 O 1	14 75 513	14 74 987	19 416
kg 06 O 2	14 78 464	14 75 225	19 409
kg 06 O 3	14 91 390	14 64 229	19 503
kg 06 O 4	14 92 148	14 54 826	19 522
kg 06 O 5	14 83 115	14 74 684	19 432
kg 06 O 6	14 87 204	14 72 464	19 456
kg 06 O 7	14 90 110	14 68 733	19 479

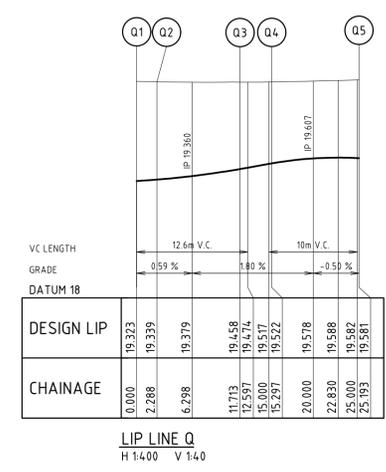
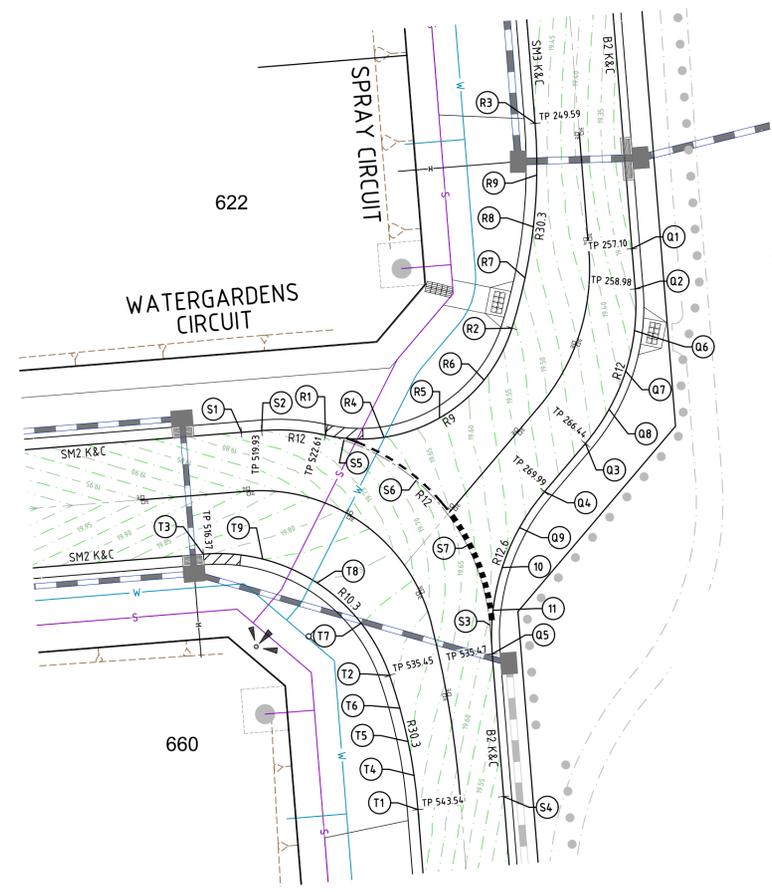
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 06 O 2 3	90.000	12.000	18.850	3.515	2.601	3.893	4.592	4.712	19.456



Alignment S

Point no	Easting	Northing	RL
kg 06 S 1	14 74 062	13 94 259	19 760
kg 06 S 2	14 75 215	13 94 352	19 751
kg 06 S 3	14 88 141	13 83 356	19 596
kg 06 S 4	14 88 923	13 93 657	19 591
kg 06 S 5	14 79 866	13 81 811	19 713
kg 06 S 6	14 83 955	13 91 531	19 675
kg 06 S 7	14 86 861	13 87 860	19 637

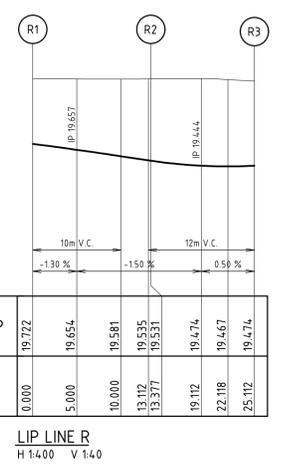
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 06 S 2 3	90.000	12.000	18.850	3.515	2.601	3.893	4.592	4.712	19.675



Alignment Q

Point no	Easting	Northing	RL
kg 06 Q 1	14 96 195	14 04 649	19 323
kg 06 Q 2	14 96 319	14 02 369	19 339
kg 06 Q 3	14 93 558	13 93 629	19 458
kg 06 Q 4	14 91 235	13 90 898	19 522
kg 06 Q 5	14 88 273	13 81 721	19 581
kg 06 Q 6	14 86 338	14 00 017	19 361
kg 06 Q 7	14 95 838	13 97 718	19 388
kg 06 Q 8	14 94 899	13 95 561	19 420
kg 06 Q 9	14 89 827	13 89 809	19 558
kg 06 Q 10	14 88 841	13 86 464	19 580
kg 06 Q 11	14 88 317	13 84 191	19 588

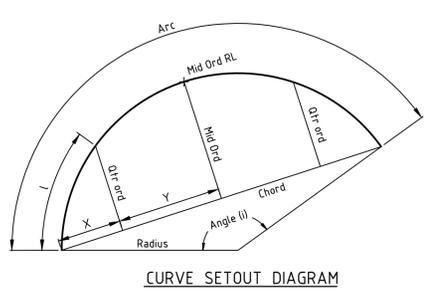
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 06 Q 2 3	45.001	-12.000	9.425	0.913	0.683	2.251	2.341	2.356	19.388
kg 06 Q 4 5	-45.001	-12.000	9.896	0.959	0.717	2.364	2.458	2.474	19.580



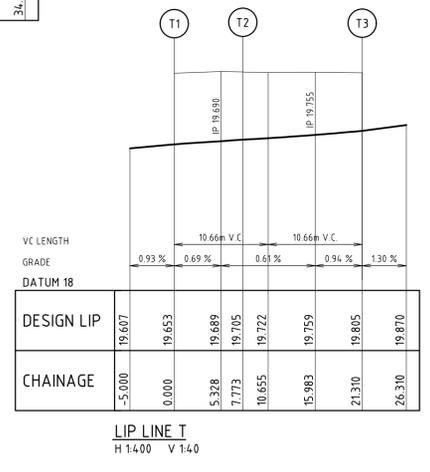
Alignment R

Point no	Easting	Northing	RL
kg 06 R 1	14 78 826	13 94 096	19 722
kg 06 R 2	14 89 390	14 00 156	19 531
kg 06 R 3	14 90 707	14 11 743	19 474
kg 06 R 4	14 82 149	13 93 874	19 677
kg 06 R 5	14 85 289	13 95 067	19 630
kg 06 R 6	14 87 818	13 97 226	19 581
kg 06 R 7	14 90 140	14 02 991	19 495
kg 06 R 8	14 90 611	14 05 886	19 474
kg 06 R 9	14 90 801	14 08 812	19 467

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 06 R 1 2	-85.161	-9.000	13.377	2.373	1.759	2.822	3.268	3.344	19.630
kg 06 R 2 3	-22.190	-30.300	11.735	0.566	0.424	2.902	2.929	2.934	19.474



NOTE:
ALL SETOUT DETAILS ARE AT LIP OF KERB



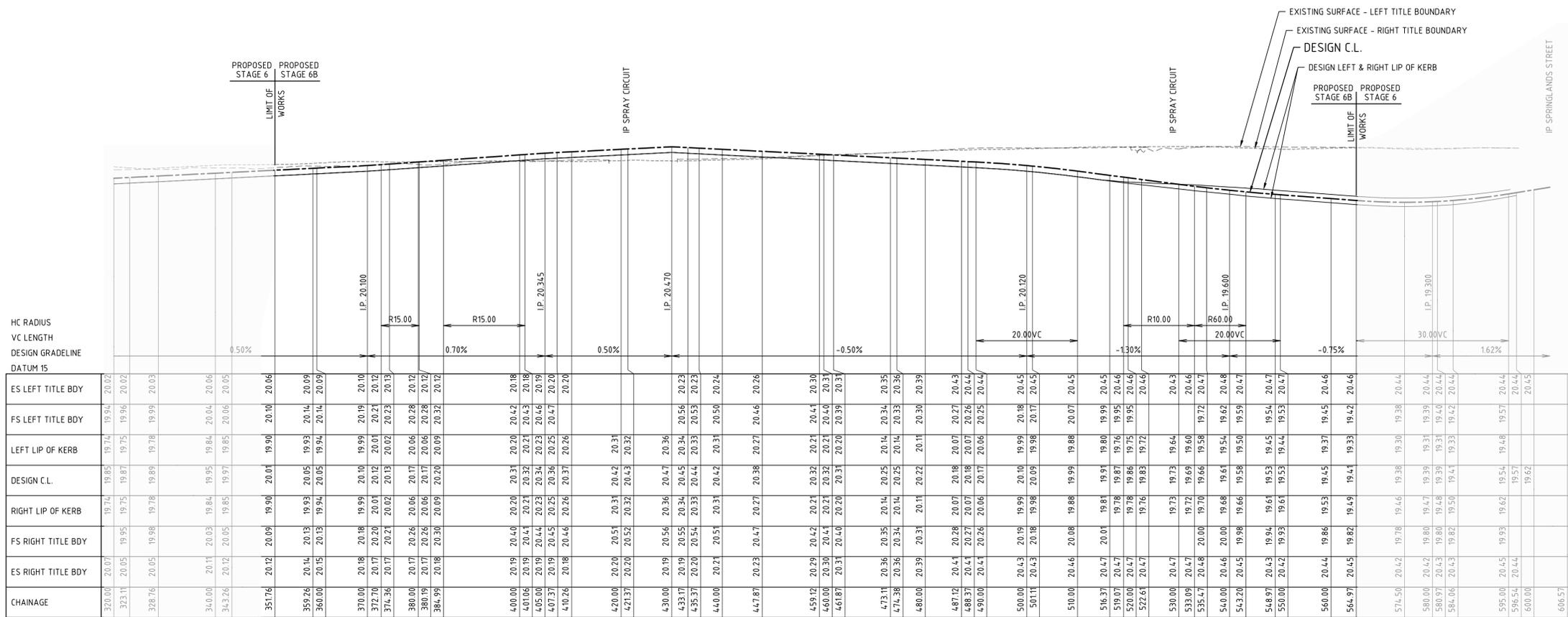
Alignment T

Point no	Easting	Northing	RL
kg 06 T 1	14 94 067	13 72 920	19 653
kg 06 T 2	14 82 460	13 80 503	19 700
kg 06 T 3	14 71 912	13 87 364	19 805
kg 06 T 4	14 83 849	13 74 850	19 666
kg 06 T 5	14 83 507	13 76 763	19 679
kg 06 T 6	14 83 044	13 78 650	19 652
kg 06 T 7	14 80 841	13 83 458	19 726
kg 06 T 8	14 78 355	13 85 732	19 749
kg 06 T 9	14 75 269	13 87 082	19 775

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 06 T 1 2	-14.699	-30.300	7.773	0.249	0.187	1.934	1.942	1.943	19.679
kg 06 T 2 3	-75.301	-10.300	13.537	2.145	1.594	2.968	3.324	3.384	19.749

AMENDMENTS	DATE	REMARKS	CHECKED
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)	
A	15/08/19	ISSUED FOR CONSTRUCTION	

	MELWAY REF. 129-C6	breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
	SURVEY BPD	
DESIGN DG	AQUAREVO ESTATE STAGE 6B INTERSECTION DETAILS	
DRAWN DG		
SCALE As Shown	DATUM AHD	DATE Jun'19
SHEET 4 OF 11	REFERENCE 8766 E/06B	MUNICIPALITY CASEY



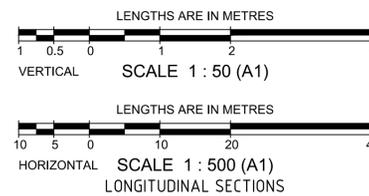
LONGITUDINAL SECTION (Rd31)

H 1:500 V 1:50

WATERGARDENS CIRCUIT

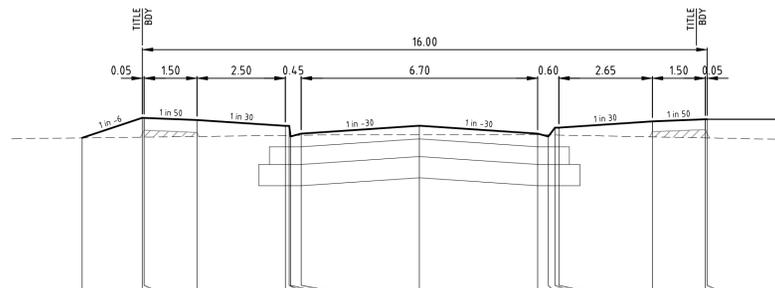


FILL AREAS TO BE
 COMPACTED TO 98% SDDR
 TO ACHIEVE MIN CBR OF 2%



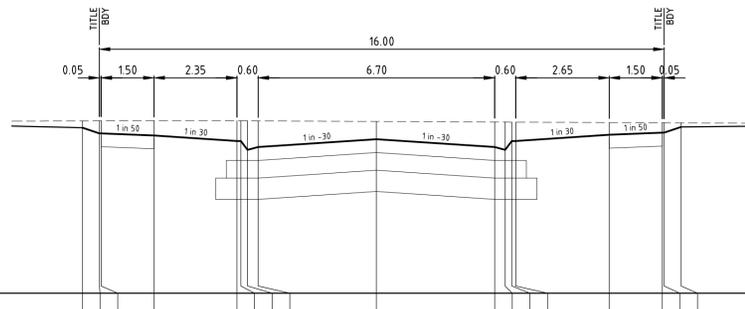
REV	DATE	REMARKS	CHECKED
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)	
A	15/08/19	ISSUED FOR CONSTRUCTION	

		breese pitt dixon Pty. Ltd. land surveyors civil engineers		1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 129-C6 SURVEY BPD		AQUAREVO ESTATE STAGE 6B WATERGARDENS CIRCUIT		MUNICIPALITY CASEY REFERENCE 8766 E/06B	
DESIGN DG DRAWN DG		SCALE As Shown	DATUM AHD	DATE Jun'19	SHEET 5 OF 11



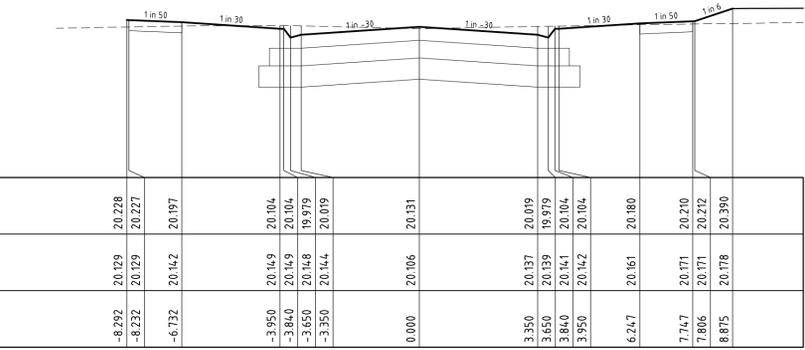
DATUM 18	
DESIGN SURFACE	20.186 20.186 20.470 20.469 20.439 20.355 20.355 20.221 20.205 20.205 20.230 20.330 20.419 20.419 20.449 20.450
EXISTING SURFACE	20.186 20.196 20.196 20.205 20.220 20.220 20.221 20.205 20.223 20.230 20.230 20.226 20.225 20.200 20.186 20.185 20.185 20.185
OFFSET	-9.554 -7.850 -7.800 -6.300 -3.800 -3.600 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.600 8.100 8.150

CHA 407.370



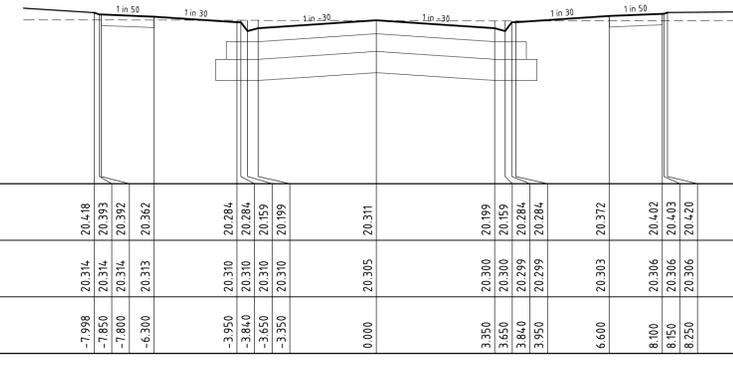
DATUM 18	
DESIGN SURFACE	20.341 20.261 20.260 20.230 20.151 20.151 20.026 20.026 20.178 20.066 20.066 20.026 20.151 20.151 20.240 20.271 20.352
EXISTING SURFACE	20.436 20.437 20.437 20.439 20.438 20.438 20.437 20.436 20.428 20.421 20.420 20.419 20.419 20.419 20.413 20.409 20.408 20.408
OFFSET	-8.330 -7.800 -6.300 -3.950 -3.840 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.600 8.100 8.150 8.634

CHA 488.370



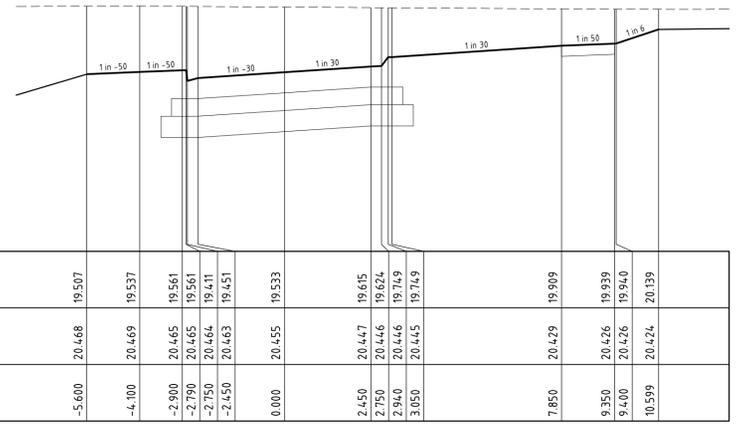
DATUM 18	
DESIGN SURFACE	20.228 20.227 20.197 20.104 20.104 20.019 20.019 20.180 20.210 20.212 20.390 20.180 20.180 20.402 20.403 20.420
EXISTING SURFACE	20.129 20.129 20.142 20.149 20.149 20.148 20.144 20.106 20.171 20.171 20.178 20.161 20.161 20.306 20.306 20.306 20.306
OFFSET	-8.292 -8.232 -6.132 -3.950 -3.840 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.247 7.747 7.806 8.875

CHA 374.360



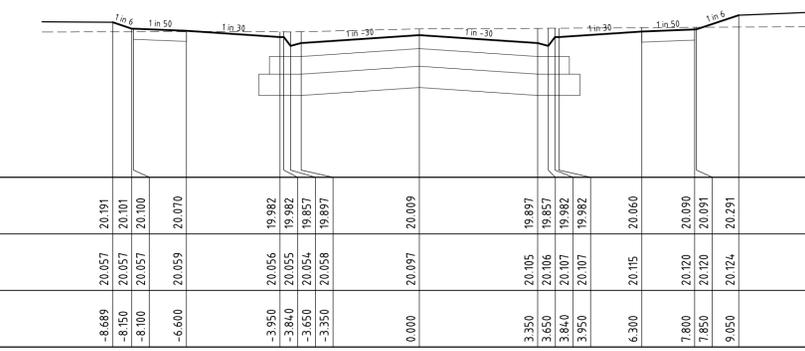
DATUM 18	
DESIGN SURFACE	20.418 20.393 20.362 20.284 20.284 20.199 20.199 20.311 20.402 20.402 20.284 20.284 20.372 20.402 20.420
EXISTING SURFACE	20.314 20.314 20.313 20.310 20.310 20.310 20.299 20.305 20.306 20.306 20.299 20.284 20.303 20.306 20.420
OFFSET	-7.998 -7.850 -7.800 -6.300 -3.950 -3.840 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.600 8.100 8.250

CHA 461.870



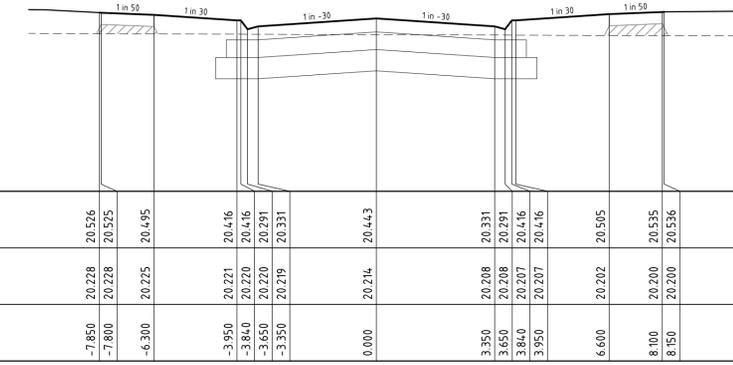
DATUM 17	
DESIGN SURFACE	19.507 19.537 19.561 19.561 19.451 19.533 19.615 19.624 19.719 19.719 19.909 19.909 19.939 19.940 20.139
EXISTING SURFACE	20.468 20.469 20.465 20.465 20.464 20.455 20.447 20.446 20.446 20.445 20.429 20.429 20.426 20.426 20.424
OFFSET	-5.600 -4.100 -2.900 -2.790 -2.750 -2.450 0.000 2.450 2.750 2.940 3.050 7.850 8.350 9.400 10.599

CHA 548.970



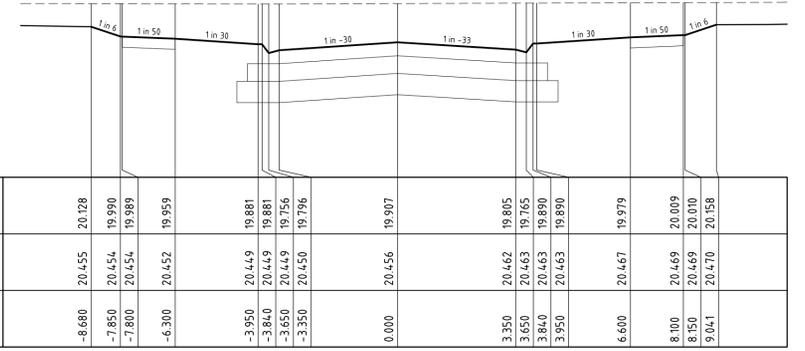
DATUM 18	
DESIGN SURFACE	20.191 20.101 20.100 20.070 19.982 19.982 19.897 20.009 20.090 20.091 20.291 20.060 20.060 20.536 20.536 20.556
EXISTING SURFACE	20.057 20.057 20.057 20.059 20.056 20.054 20.054 20.037 20.020 20.020 20.024 20.015 20.015 20.208 20.208 20.208
OFFSET	-8.689 -8.150 -8.100 -6.600 -3.950 -3.840 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.300 7.800 7.850 9.050

CHA 351.760



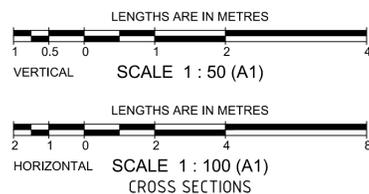
DATUM 18	
DESIGN SURFACE	20.526 20.525 20.495 20.416 20.416 20.331 20.443 20.505 20.505 20.536 20.536 20.416 20.416 20.595 20.595 20.595
EXISTING SURFACE	20.228 20.228 20.225 20.221 20.221 20.220 20.220 20.214 20.202 20.202 20.207 20.207 20.207 20.200 20.200 20.200 20.200
OFFSET	-7.850 -7.800 -6.300 -3.950 -3.840 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.600 8.100 8.150 8.350

CHA 435.370



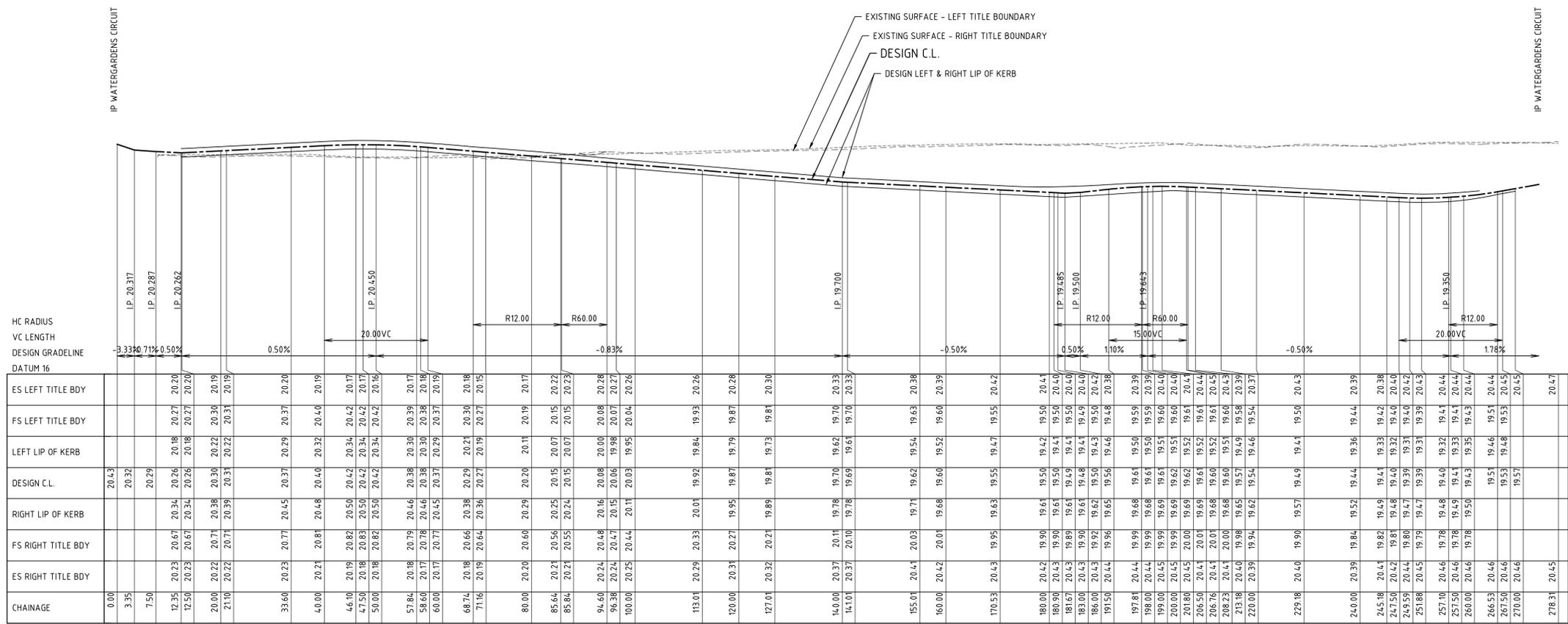
DATUM 18	
DESIGN SURFACE	20.128 19.990 19.989 19.959 19.881 19.881 19.796 19.907 20.009 20.010 20.158 20.060 20.060 20.536 20.536 20.556
EXISTING SURFACE	20.455 20.454 20.454 20.452 20.449 20.449 20.449 20.456 20.469 20.469 20.470 20.469 20.469 20.463 20.463 20.463 20.463
OFFSET	-8.680 -7.850 -7.800 -6.300 -3.950 -3.840 -3.650 -3.350 0.000 3.350 3.650 3.840 3.950 6.600 8.100 9.041

CHA 516.370



FILL AREAS TO BE COMPACTED TO 98% SDDR TO ACHIEVE MIN CBR OF 2%

		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 129-C6 SURVEY BPD DESIGN DG DRAWN DG		AQUAREVO ESTATE STAGE 6B WATERGARDENS CIRCUIT		MUNICIPALITY CASEY REFERENCE 8766 E/06B	
B 09/03/20 POS REVISED (LOTS 611-630, 658-661) A 15/08/19 ISSUED FOR CONSTRUCTION		CHECKED SCALE As Shown DATUM AHD DATE Jun'19		SHEET 6 OF 11 B	



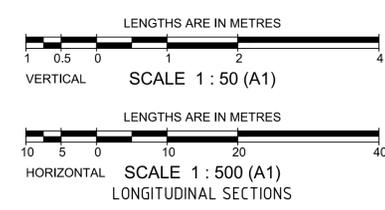
CHAINAGE	ES LEFT TITLE BDY	FS LEFT TITLE BDY	LEFT LIP OF KERB	DESIGN C.L.	RIGHT LIP OF KERB	FS RIGHT TITLE BDY	ES RIGHT TITLE BDY
0+00	20.43			20.43			20.43
3+35	20.32			20.32			20.32
7+50	20.29			20.29			20.29
12+35	20.23	20.67	20.34	20.26	20.18	20.27	20.20
12+50	20.23	20.67	20.34	20.26	20.18	20.27	20.20
20+00	20.22	20.71	20.38	20.30	20.22	20.30	20.19
21+10	20.22	20.71	20.39	20.31	20.22	20.31	20.19
33+60	20.23	20.77	20.45	20.37	20.29	20.37	20.20
40+00	20.21	20.81	20.48	20.40	20.32	20.40	20.19
46+10	20.19	20.82	20.50	20.42	20.34	20.42	20.17
47+50	20.18	20.83	20.50	20.42	20.34	20.42	20.17
50+00	20.18	20.82	20.50	20.42	20.34	20.42	20.16
57+84	20.18	20.79	20.46	20.38	20.30	20.39	20.17
58+60	20.17	20.78	20.46	20.38	20.30	20.38	20.18
60+00	20.17	20.77	20.45	20.37	20.29	20.37	20.19
66+74	20.18	20.66	20.38	20.29	20.21	20.30	20.18
71+16	20.19	20.64	20.36	20.27	20.19	20.27	20.15
80+00	20.20	20.60	20.29	20.20	20.11	20.19	20.17
85+64	20.21	20.56	20.25	20.15	20.07	20.15	20.22
85+84	20.21	20.55	20.24	20.15	20.07	20.15	20.23
94+60	20.24	20.48	20.16	20.08	20.00	20.08	20.28
96+38	20.24	20.47	20.15	20.06	19.98	20.07	20.27
100+00	20.25	20.44	20.11	20.03	19.95	20.04	20.26
113+01	20.29	20.33	20.01	19.92	19.84	19.93	20.26
120+00	20.31	20.27	19.95	19.87	19.79	19.87	20.28
127+01	20.32	20.21	19.89	19.81	19.73	19.81	20.30
140+00	20.37	20.11	19.78	19.70	19.62	19.70	20.33
141+01	20.37	20.10	19.78	19.69	19.61	19.70	20.33
155+01	20.41	20.03	19.71	19.62	19.54	19.63	20.38
160+00	20.42	20.01	19.68	19.60	19.52	19.60	20.39
170+53	20.43	19.95	19.63	19.55	19.47	19.55	20.42
180+00	20.42	19.90	19.61	19.50	19.42	19.50	20.41
180+90	20.43	19.90	19.61	19.50	19.41	19.50	20.40
181+67	20.43	19.89	19.61	19.49	19.41	19.50	20.40
183+00	20.43	19.90	19.61	19.48	19.41	19.49	20.40
184+00	20.43	19.92	19.62	19.50	19.43	19.50	20.42
191+50	20.44	19.96	19.65	19.56	19.46	19.48	20.38
197+81	20.44	19.99	19.68	19.61	19.50	19.59	20.39
198+00	20.44	19.99	19.68	19.61	19.50	19.59	20.39
199+00	20.45	19.99	19.69	19.61	19.51	19.60	20.40
200+00	20.45	19.99	19.69	19.62	19.51	19.60	20.40
201+80	20.45	20.00	19.69	19.62	19.52	19.61	20.41
206+50	20.44	20.01	19.69	19.61	19.52	19.61	20.44
206+74	20.44	20.01	19.68	19.60	19.52	19.61	20.45
208+23	20.41	20.00	19.68	19.60	19.51	19.60	20.43
213+18	20.40	19.98	19.65	19.57	19.49	19.58	20.39
220+00	20.39	19.94	19.62	19.54	19.46	19.54	20.37
229+18	20.40	19.90	19.57	19.49	19.41	19.50	20.43
240+00	20.39	19.84	19.52	19.44	19.36	19.44	20.39
245+18	20.41	19.82	19.49	19.41	19.33	19.42	20.38
247+50	20.42	19.81	19.48	19.40	19.32	19.40	20.40
249+59	20.44	19.80	19.47	19.39	19.31	19.40	20.42
251+88	20.45	19.79	19.47	19.39	19.31	19.39	20.43
257+10	20.46	19.78	19.48	19.40	19.32	19.41	20.44
257+50	20.46	19.78	19.49	19.41	19.33	19.41	20.44
260+00	20.46	19.78	19.50	19.43	19.35	19.43	20.44
266+53	20.46				19.51	19.46	20.44
267+50	20.46				19.53	19.48	20.45
270+00	20.46				19.57		20.45
278+31	20.45						20.47

LONGITUDINAL SECTION (Rd32)

H 1:500 V 1:50

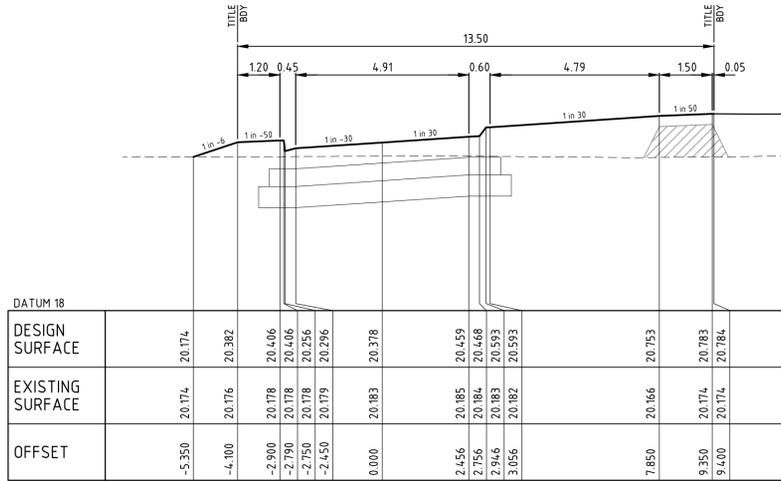
SPRAY CIRCUIT

FILL AREAS TO BE COMPACTED TO 98% SDDR TO ACHIEVE MIN CBR OF 2%

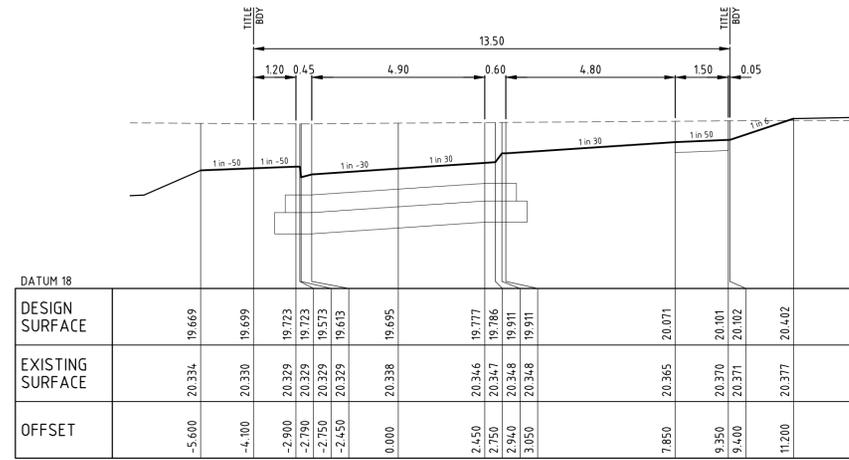


AMENDMENTS	DATE	REMARKS
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)
A	15/08/19	ISSUED FOR CONSTRUCTION

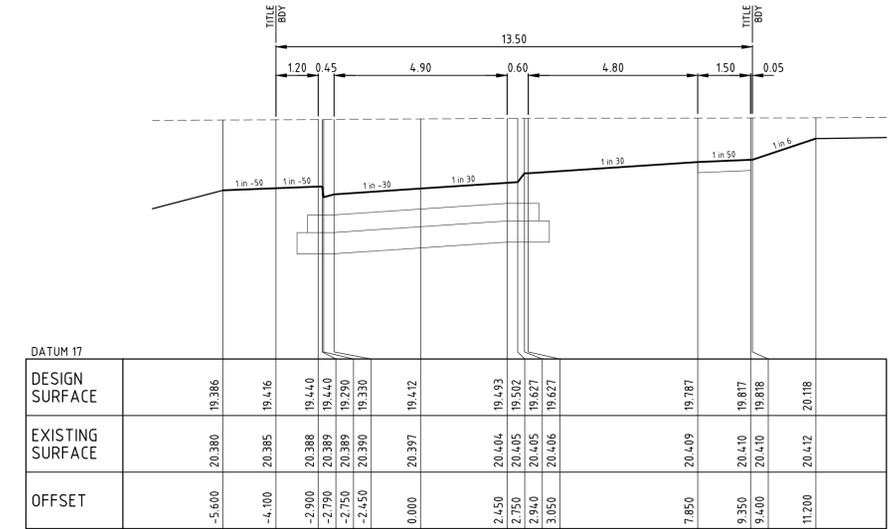
 breese pitt dixon pty. ltd. land surveyors civil engineers	MELWAY REF. 129-C6	MUNICIPALITY CASEY
	SURVEY BPD	REFERENCE 8766 E/06B
AQUAREVO ESTATE STAGE 6B SPRAY CIRCUIT		SHEET 7 OF 11
CHECKED	SCALE As Shown	DATUM AHD
DATE	DATE Jun'19	



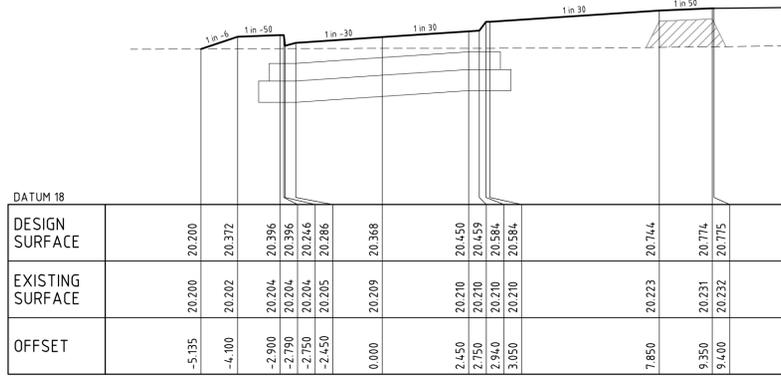
CHA 58.60



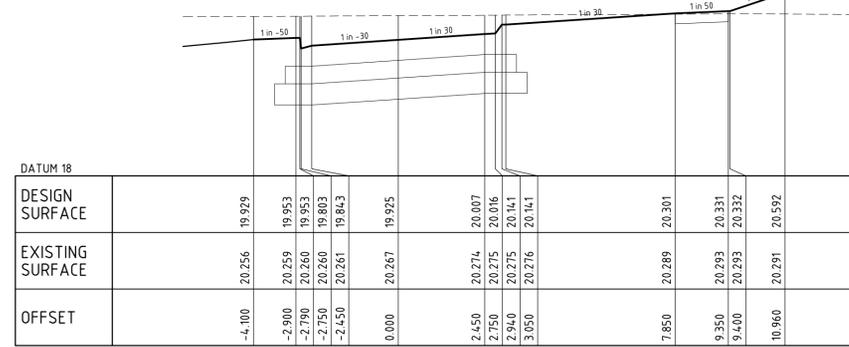
CHA 141.010



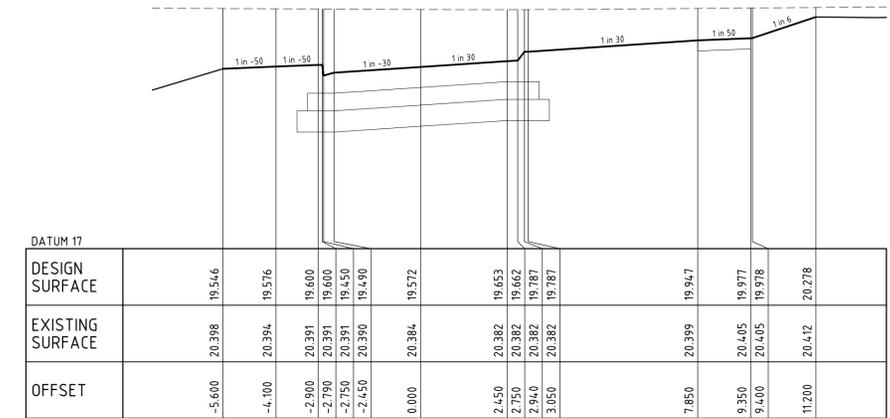
CHA 245.180



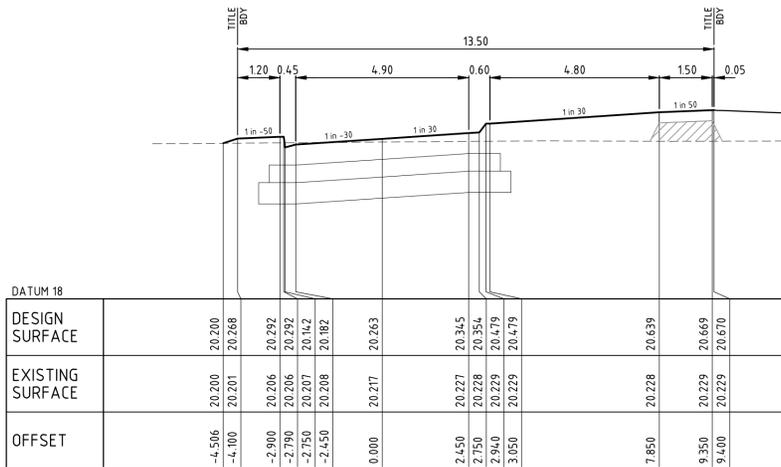
CHA 33.600



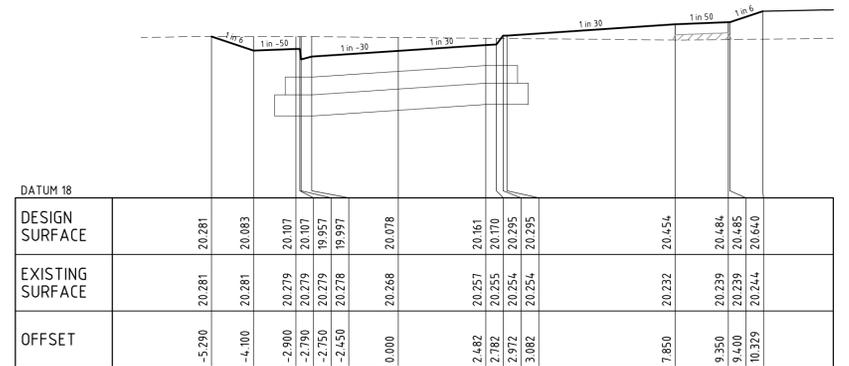
CHA 113.010



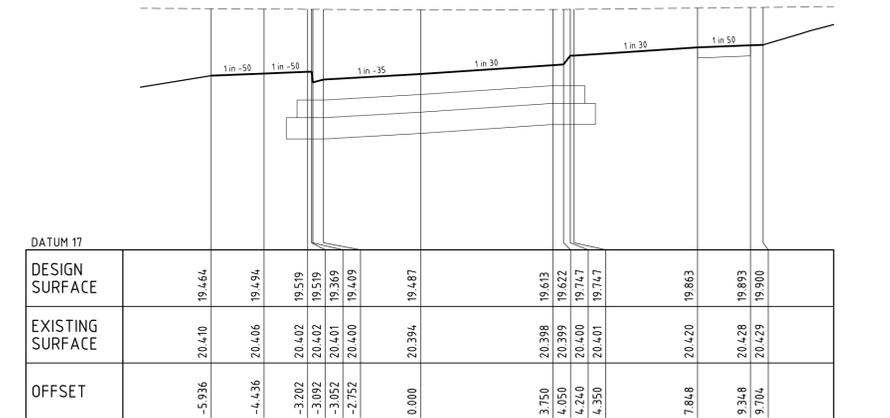
CHA 213.180



CHA 12.350



CHA 94.597

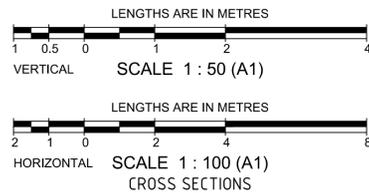


CHA 183.333

CROSS SECTIONS

H 1:100 V 1:50

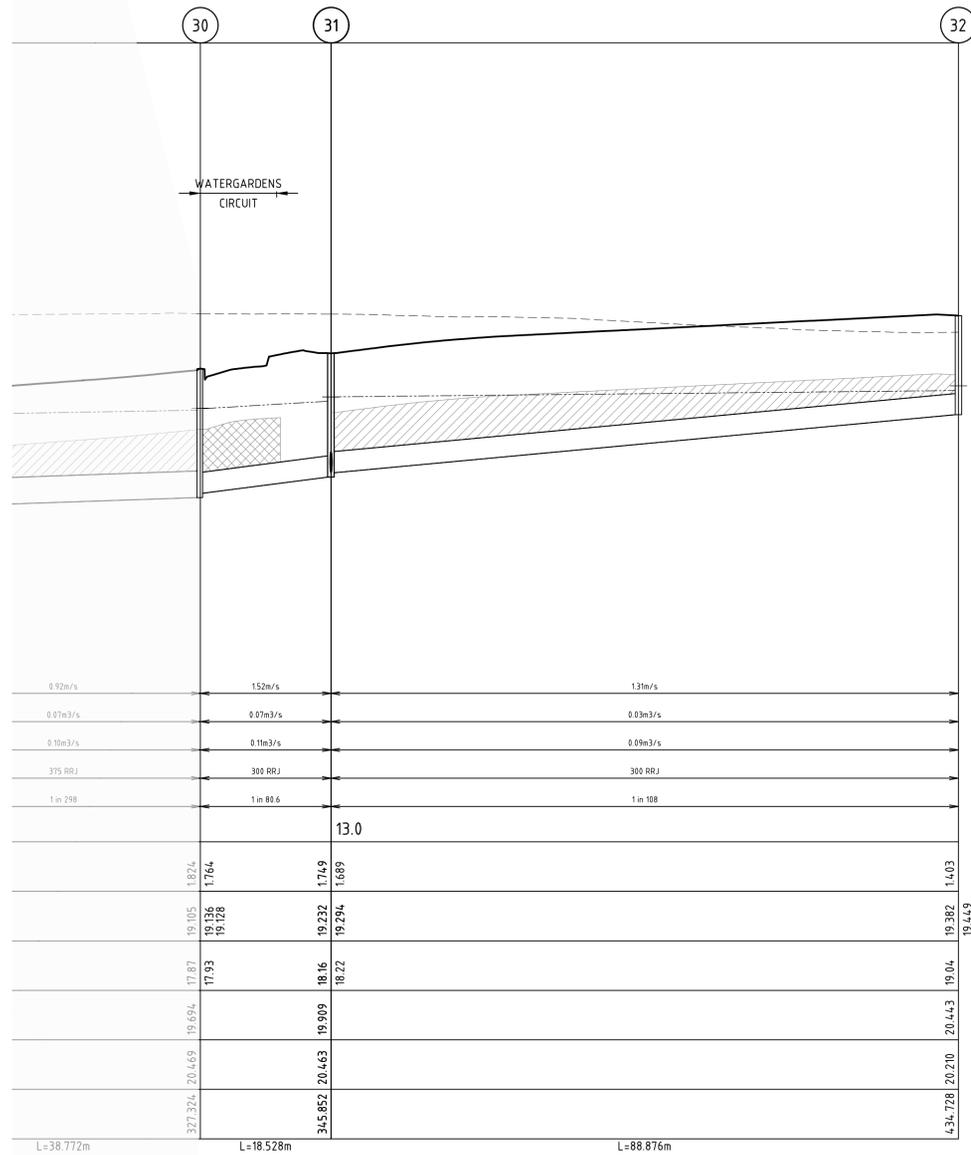
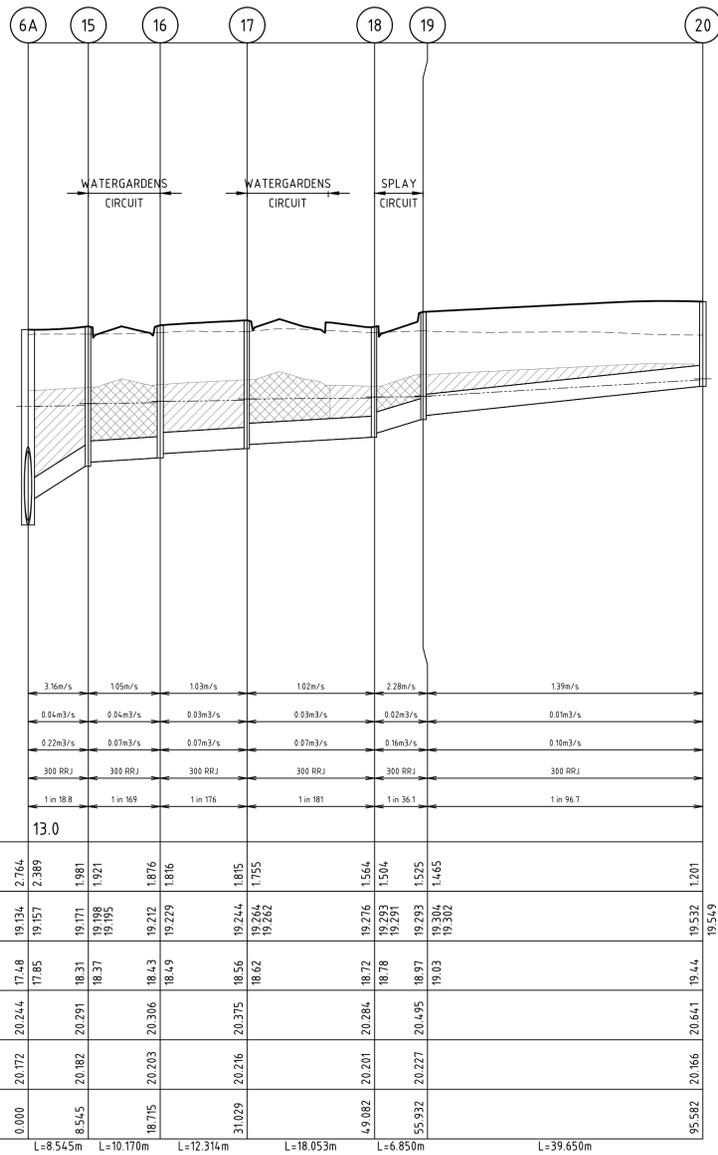
SPRAY CIRCUIT



FILL AREAS TO BE COMPACTED TO 98% SDDR TO ACHIEVE MIN CBR OF 2%

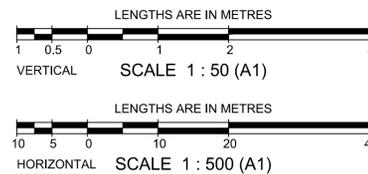
		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 129-C6 SURVEY BPD DESIGN DG DRAWN DG		AQUAREVO ESTATE STAGE 6B SPRAY CIRCUIT		MUNICIPALITY CASEY REFERENCE 8766 E/06B	
B 09/03/20 POS REVISED (LOTS 611-630, 658-661) A 15/08/19 ISSUED FOR CONSTRUCTION	VER DATE REMARKS CHECKED	SCALE As Shown DATUM AHD DATE Jun'19	SHEET 8 OF 11	B	

T:\Projects\BPD\18766 Aquarevo\CAD\Drawings\Stage 06B\18766-06B_R05-08_LS-XS.dwg (R08)



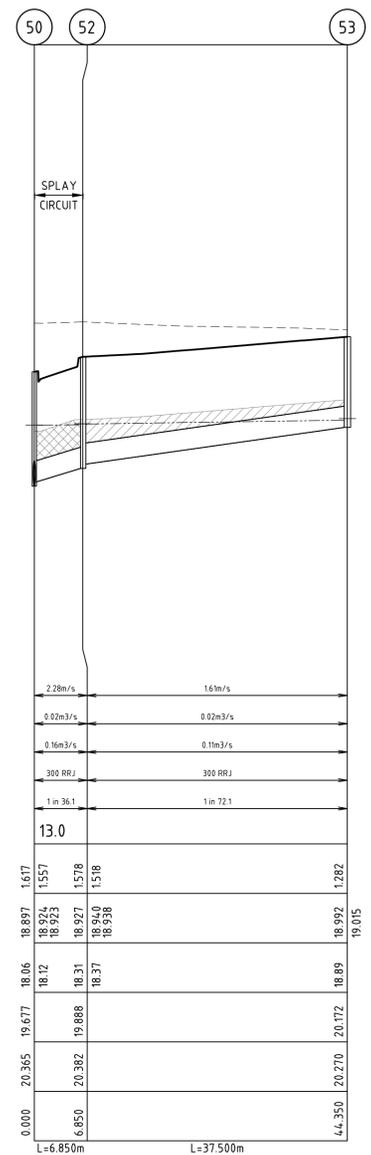
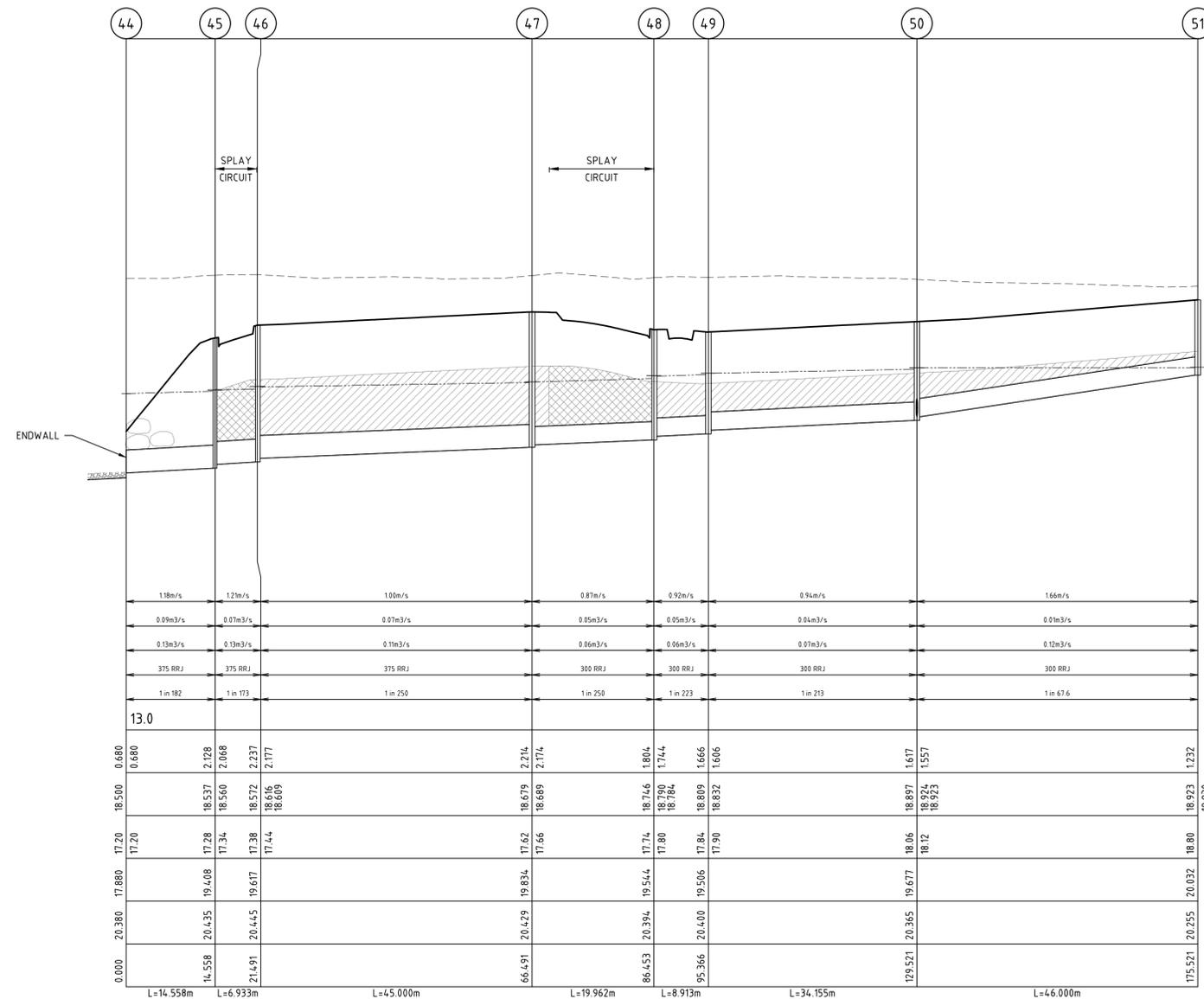
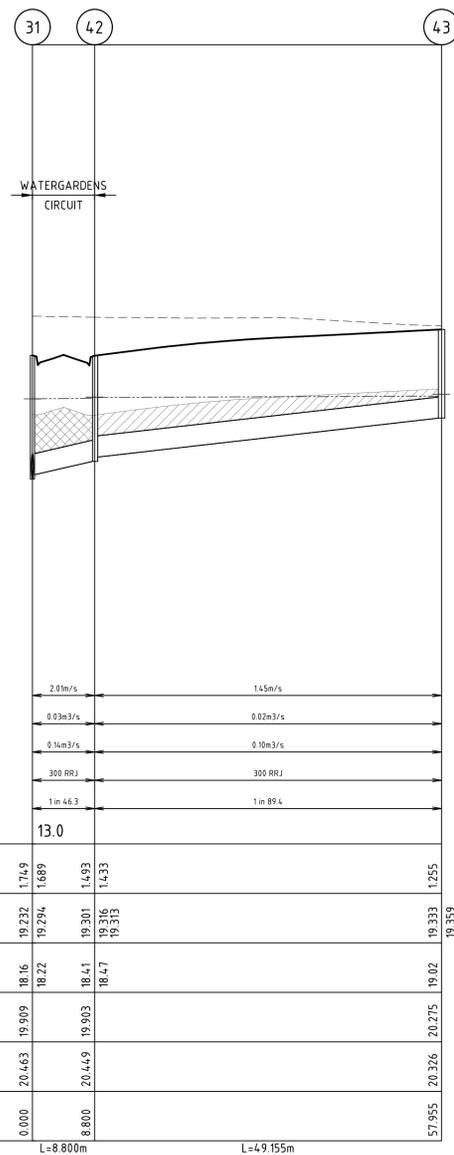
LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- HYDRAULIC GRADE LINE (5yr)
- DENOTES CLASS 3 CRUSHED ROCK BACKFILL - IN ROAD RESERVES (PAVEMENT NOT SHOWN)
- DENOTES CLASS 2 CRUSHED ROCK BACKFILL - UNDER ROAD CROSSINGS (PAVEMENT NOT SHOWN)



AMENDMENTS	DATE	REMARKS
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)
A	15/08/19	ISSUED FOR CONSTRUCTION

	MELWAY REF. 129-C6	breese pitt dixon pty. ltd. land surveyors civil engineers	MUNICIPALITY
	SURVEY BPD		CASEY
DESIGN DG	AQUAREVO ESTATE STAGE 6B		REFERENCE
DRAWN DG	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1		8766 E/06B
CHECKED	SCALE As Shown	DATUM AHD	DATE Jun'19
			SHEET 9 OF 11



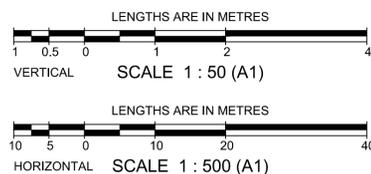
DRAINAGE PIT SCHEDULE										
Aquaveo Estate - Stage 6B										
PIT No	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WD	LEN	DIA	INV LEV	DIA	INV LEV	FINISHED COVER RL	DEPTH	
6	Existing Channel Grating Pit	1350	900	1050	17.43	1050	17.37	20.103	2.733	REMOVE TEMPORARY LID, INSTALL CHANNEL GRATED PIT LID
6A	Existing Junction Pit	900	1800	1050	17.54	1050	17.48	20.244	2.764	RESET EXISTING LID TO MATCH KERB LEVEL
9A	Existing Channel Grating Pit	600	900			300	18.91	20.067	1.157	REMOVE TEMPORARY LID, INSTALL CHANNEL GRATED PIT LID
15	Junction Pit	600	900	300	18.37	300	18.31	20.290	1.980	MPA EDCM STD DWG 605
16	Junction Pit	600	900	300	18.49	300	18.43	20.305	1.875	MPA EDCM STD DWG 605, CLASS 'D' COVER
17	Junction Pit	600	900	300	18.62	300	18.56	20.375	1.815	MPA EDCM STD DWG 605
18	Channel Grating Pit	600	900	300	18.78	300	18.72	20.284	1.564	MPA EDCM STD DWG 601 & 605
19	Junction Pit	600	900	300	19.03	300	18.97	20.495	1.525	MPA EDCM STD DWG 605
20	Junction Pit	600	900	300	19.44	300	19.44	20.640	1.200	MPA EDCM STD DWG 605, CLASS 'D' COVER
30	Junction Pit	600	900	300	17.93	375	17.87	19.693	1.823	INSTALL PIT AT END OF EXISTING PIPE
31	Channel Grating Pit	600	900	300	18.22	300	18.16	19.909	1.749	MPA EDCM STD DWG 603 & 605
32	Junction Pit	600	900			300	19.04	20.442	1.402	MPA EDCM STD DWG 605
41	Existing Junction Pit	600	900			300	18.41	19.692	1.282	RESET EXISTING CLASS 'D' LID TO MATCH KERB LEVEL
42	Channel Grating Pit	600	900	300	18.47	300	18.41	19.903	1.493	MPA EDCM STD DWG 603 & 605
43	Junction Pit	600	900			300	19.02	20.275	1.255	MPA EDCM STD DWG 605
44	End Wall	-	-	375	17.20			17.575	0.375	OUTLET
45	Double Channel Grated Pit	600	900	375	17.34	375	17.28	19.408	2.128	MPA EDCM STD DWG 602 & 605
46	Junction Pit	600	900	375	17.44	375	17.38	19.616	2.236	MPA EDCM STD DWG 605
47	Junction Pit	600	900	300	17.66	375	17.62	19.833	2.213	MPA EDCM STD DWG 605
48	Junction Pit	600	900	300	17.80	300	17.74	19.544	1.804	MPA EDCM STD DWG 605
49	Double Channel Grated Pit	600	900	300	17.90	300	17.84	19.506	1.666	MPA EDCM STD DWG 602 & 605
50	Channel Grating Pit	600	900	300	18.12	300	18.06	19.676	1.616	MPA EDCM STD DWG 601 & 605
51	Channel Grating Pit	600	900			300	18.80	20.031	1.231	MPA EDCM STD DWG 601 & 605
52	Junction Pit	600	900	300	18.37	300	18.31	19.888	1.578	MPA EDCM STD DWG 605, CLASS 'D' COVER
53	Junction Pit	600	900	300	18.89	300	18.89	20.172	1.282	MPA EDCM STD DWG 605, CLASS 'D' COVER

LEGEND

- EXISTING SURFACE
- FINISHED SURFACE
- - - - - HYDRAULIC GRADE LINE (5yr)
- ▨ DENOTES CLASS 3 CRUSHED ROCK BACKFILL - IN ROAD RESERVES (PAVEMENT NOT SHOWN)
- ▩ DENOTES CLASS 2 CRUSHED ROCK BACKFILL - UNDER ROAD CROSSINGS (PAVEMENT NOT SHOWN)

PIT SCHEDULE NOTES

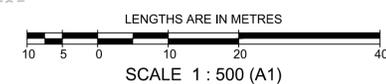
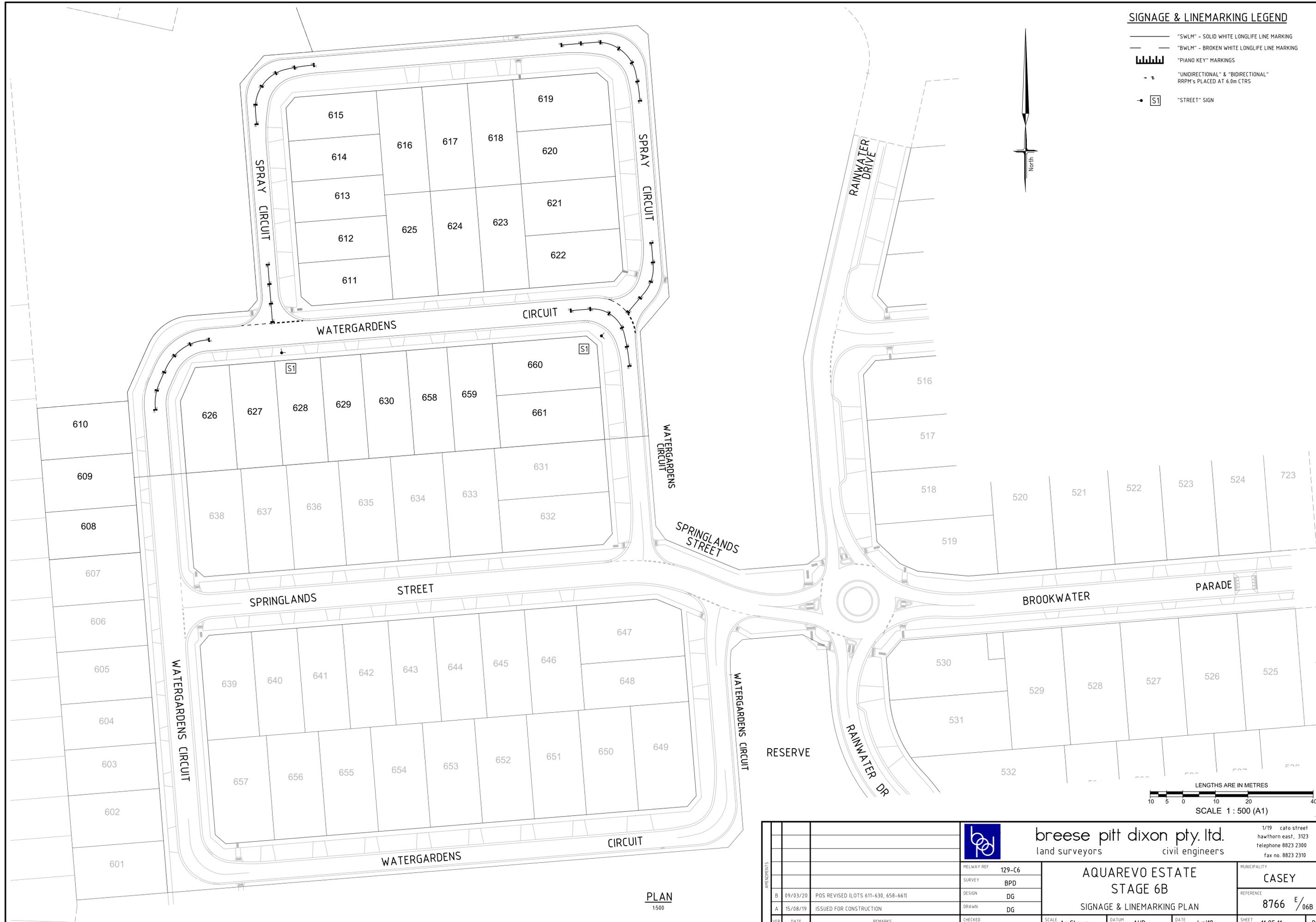
1. WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm 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 SHALL BE PROVIDED WITH TERRA FIRMA OR APPROVED EQUIVALENT PIT LID WITH A LOCKABLE COVER.
4. HAUNCH PIT IN DIRECTION OF ROAD PAVEMENT.
5. REPLACE EXISTING JUNCTION PIT LID WITH GRATED SIDE ENTRY PIT



		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
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B 09/03/20 POS REVISED (LOTS 611-630, 658-661) A 15/08/19 ISSUED FOR CONSTRUCTION		DESIGN DG DRAWN DG		REFERENCE 8766 E/06B
VER. DATE REMARKS CHECKED		SCALE As Shown DATUM AHD DATE Jun'19		SHEET 10 OF 11 B

SIGNAGE & LINEMARKING LEGEND

- "SWLM" - SOLID WHITE LONGLIFE LINE MARKING
- - - "BWLM" - BROKEN WHITE LONGLIFE LINE MARKING
-  "PIANO KEY" MARKINGS
-  "UNIDIRECTIONAL" & "BIDIRECTIONAL" RRPM'S PLACED AT 6.0m CTRS
-  "STREET" SIGN



PLAN
1:500

			breese pitt dixon pty. ltd.		1/19 cafo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
			land surveyors		civil engineers
		MELWAY REF. 129-C6	AQUAREVO ESTATE		MUNICIPALITY
		SURVEY BPD	STAGE 6B		CASEY
		DESIGN DG	SIGNAGE & LINEMARKING PLAN		REFERENCE
		DRAWN DG			8766 E/06B
AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	SHEET
B	09/03/20	POS REVISED (LOTS 611-630, 658-661)		As Shown	11 OF 11
A	15/08/19	ISSUED FOR CONSTRUCTION		DATUM: AHD	DATE: Jun'19
VER.					B