

Kingston Coast Estate - Stage 2

Ocean Grove

NOTES:

- ALL WORKS IN THIS CONTRACT ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT CITY OF GEELONG (COGG) STANDARD SPECIFICATIONS FOR ROADWORKS AND DRAINAGE.
- ALL ROADWORKS SIGNAGE IS TO BE IN ACCORDANCE WITH VICROADS WORKSITE TRAFFIC MANAGEMENT CODE OF PRACTISE INCORPORATING AS1742.3.

SITE MANAGEMENT :

- ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED CONSTRUCTION MANAGEMENT PLAN.
- ALL TREES, SHRUB etc. ARE TO BE RETAINED UNLESS OTHERWISE INDICATED.
- DURING THE CONSTRUCTION AND MAINTENANCE PERIOD SILT FENCES ARE TO BE PLACED DOWNSTREAM OF ALL EXPOSED AREAS, AND SILT BARRIERS ARE TO BE PLACED UPSTREAM OF ALL PITS. THE SILT FENCES AND SILT BARRIERS ARE TO BE CHECKED AND MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD.
- ALL AREAS OF THE SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURESTRIPS, LOTS AND RESERVE ARE TO BE FULLY GRASSED BY HYDRO MULCHING, WATERED AND MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD.

GENERAL :

- THE CONTRACTOR SHALL:
 - 48 HOURS NOTICE IN WRITING TO COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORKS.
 - NOTIFY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE 24 HOURS PRIOR TO WORKING ON ANY WEEKEND.
 - BE FULLY AWARE OF ALL SITE CONDITIONS PRIOR TO TENDERING.
 - BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SERVICES.
 - BE RESPONSIBLE FOR THE INSTALLATION OF ALL SERVICES REQUIRED FOR THE PROJECT.
 - ENSURE THAT ALL SERVICES ARE INSTALLED TO THE SPECIFIED OFFSETS AND MEETS MINIMUM COVER REQUIREMENTS. ALL SURFACE FIXTURES, PITS VALVES, FIREPLUGS, etc. SHALL BE INSTALLED A MINIMUM OF 5m FROM ANY SIDE BOUNDARY AND SHALL MATCH THE REQUIRED FINISHED SURFACE LEVEL. THIS APPLIES TO ALL SERVICES REQUIRED FOR THE PROJECT IRRESPECTIVE IF THEY ARE INSTALLED BY THE CONTRACTOR OR OTHERWISE.
 - COMPLY WITH THE REQUIREMENTS OF THE MINES ACT 1958 AND RELEVANT REGULATIONS INCLUDING NOTIFICATION IN WRITING (CLAUSE 385) TO THE CHIEF MINING INSPECTOR OF THE INTENTION TO COMMENCE EXCAVATION OPERATIONS WHERE ANY TRENCH IS 15m OR MORE IN DEPTH.
 - GIVE 24 HOURS NOTICE TO COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE PRIOR TO BACKFILLING OF ANY PIPE TRENCHES OR LAYING OF ANY PAVEMENT OR CONCRETE WORKS SO THAT THE WORKS CAN BE CHECKED AND APPROVED.
 - COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY (CONFIED SPACES) REGULATIONS AND CODE OF PRACTICE FOR CONFINED SPACES.
 - BE RESPONSIBLE FOR THE COMPACTION TESTING OF THE PAVEMENT MATERIAL BY AN APPROVED GEOTECHNICAL CONSULTANT AS AND WHEN DIRECTED BY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
- EXISTING CONSTRUCTION WORKS ARE TO BE CHECKED BY COUNCIL 48hrs PRIOR TO COMMENCEMENT OF ANY FUTURE PAVEMENT WORKS. IF REMEDIAL WORKS ARE NECESSARY TO ENSURE SATISFACTORY CONNECTION, THESE ARE TO BE CARRIED OUT AT THE DEVELOPER'S EXPENSE. AT THE SAME INSPECTION DAMAGE TO EXISTING WORKS WILL BE DETERMINED, OTHERWISE THE CONTRACTOR WILL BE HELD LIABLE.
- ANY WORKS WITHIN ROADWAYS SHALL SATISFY COUNCIL'S "REQUIREMENTS FOR OCCUPANCY OF ROAD RESERVE". CONTACT COGG TRAFFIC MANAGEMENT OFFICER ON TELEPHONE (03) 5227 0384 FOR FURTHER SPECIFIC DETAILS RELATING TO THIS PROJECT. A COPY OF THE TRAFFIC MANAGEMENT PLAN IS TO BE FORWARDED TO THE COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE PRIOR TO WORKS COMMENCING.
- ALL REASONABLE CARE SHALL BE TAKEN BY THE CONTRACTOR TO PRESERVE THE SURVEY PEGS AND ALL BENCHMARKS ARE TO BE CHECKED PRIOR TO THE COMMENCEMENT OF WORKS AND ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY.
- EXISTING SURFACE LEVELS ARE SHOWN THUS:
- ALL DIMENSIONS ARE IN METRES AND LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).

ROADWORKS :

- SUBSOIL DRAINS ARE TO BE CONSTRUCTED BEHIND THE KERB AND CHANNEL OR AS DIRECTED BY THE COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.

- WHERE DRAINAGE LINES EXIST BEHIND THE KERB AND CHANNEL SUBSOIL DRAINAGE IS NOT REQUIRED HOWEVER A 1m LENGTH OF SUBSOIL DRAIN INCLUDING FILTER SOCK IS REQUIRED BOTH SIDES OF DRAINAGE PITS.
- ALL FOOTPATHS ARE TO BE A MINIMUM OF 125mm THICK WITH F72 REINFORCEMENT AND BEDDED ON A MINIMUM OF 50mm COMPACTED CLASS 3 FCR WITH THE BEDDING TO EXTEND 100mm BEYOND THE EDGES OF THE PROPOSED FOOTPATH PRIOR TO THE PLACEMENT OF THE TIMBERS AND BOARDS. CONTRACTION JOINTS ARE TO BE CONSTRUCTED AT 125m INTERVALS IN ACCORDANCE WITH COGG STANDARD DRAWINGS.
- WHERE FILLING IS REQUIRED UNDER THE FOOTPATH BEDDING MATERIAL THEN CLASS 4 FCR IS TO BE USED UNLESS OTHERWISE APPROVED BY THE COGG SUBDIVISIONS ENGINEER.
- CONCRETE FOR KERB AND CHANNEL USED IN EXTRUSION MACHINES SHALL HAVE A MINIMUM CEMENT CONTENT OF 280 kg/m3.
- CONCRETE FOR STORMWATER PITS IS TO HAVE A MINIMUM STRENGTH OF 32Mpa AT 28 DAYS.
- CONCRETE FOR ALL OTHER APPLICATIONS IS TO HAVE A MINIMUM STRENGTH OF 25Mpa AT 28 DAYS.
- TO ALLOW FOR A CONTINUOUS CONCRETE KERB AND CHANNEL POUR THE STORMWATER PIT CONCRETE SURROUND IS TO BE IN PLACE PRIOR TO THE POUR COMMENCING. IF THE PIT SURROUNDS ARE NOT IN PLACE THEN THE INITIAL KERB AND CHANNEL POUR IS TO STOP ONE (1) METRE EITHER SIDE OF EVERY PIT.
- CLAY SURFACES, INCLUDING NATURE STRIPS, EXPOSED DUE TO CUT AND FILL ARE TO BE COVERED WITH 100mm OF THE BEST APPROVED TOPSOIL MATERIAL AVAILABLE FROM SITE.
- ALL FILLING PLACED IS TO BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-2007. PRIOR TO ANY FILLING ON LOTS ALL TOPSOIL IS TO BE REMOVED AND STOCKPILED. THE FILL MUST BE APPROVED AND CONSOLIDATED IN 150mm COMPACTED LAYERS TO A DRY DENSITY OF 98% STANDARD COMPACTION. THE TOPSOIL IS THEN TO BE UNFORMLY REPLACED TO A COMPACTED DEPTH OF 100mm. COMPACTION TESTING WILL BE REQUIRED AT THE DISCRETION OF THE COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
- ALLOTMENTS SHALL BE GRADED TO AN EVEN SURFACE AT THE COMPLETION OF ALL WORKS AND SHALL HAVE A MINIMUM GRADE OF 1 IN 100 TO THEIR NOMINATED DRAINAGE CONNECTION POINTS. ALL SURPLUS SPOIL, BOXTHORN, FENCING, CONSTRUCTION WASTE AND OTHER RUBBISH SHALL BE REMOVED FROM SITE AT THE COMPLETION OF WORKS.
- BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 5 FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE SHOWN.
- AS PART OF CIVIL WORKS, ROUNDED-TOPPED TREATED PINE BOLLARDS (0.6m HIGH) ARE TO BE PLACED ACROSS THE FRONTAGE OF RESERVE 1 AT 15m CENTRES WITH A LOCKED/REMOVABLE BOLLARD CENTRAL TO THE PATH FOR MAINTENANCE ACCESS (REFER TO COUNCIL STANDARD DRAWING CGG701).
- STREET SIGNS ARE TO BE LOCATED AS INDICATED ON THE PLANS AND INSTALLED IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2. MOUNTING HEIGHT IS TO BE TO THE UNDERSIDE OF THE SIGN AND IS TO BE A MINIMUM OF 2.1m AND MAXIMUM OF 3.0m.
- 'NO THROUGH ROAD' SIGN IS TO BE INSTALLED BELOW THE STREET SIGN WHERE APPLICABLE.
- ALL REINFORCEMENT USED IN CONCRETE WORKS FOR FOOTPATH DRIVEWAYS AND ROADS IS TO BE ADEQUATELY SUPPORTED BY APPROPRIATE SIZED BAR CHAIRS PRIOR TO THE POURING/PLACEMENT OF CONCRETE.
- GAS CONDUITS ARE 50mm HEAVY DUTY PVC AND ARE TO EXTEND FROM THE POINT OF SUPPLY TO AT LEAST 500mm BEYOND THE PROPERTY BOUNDARY.
- AT THE TERMINATION OF STAGED PAVEMENT CONSTRUCTION, A CONCRETE EDGE STRIP 200mm X 200mm AND SUBSOIL DRAIN IS TO BE INSTALLED ACROSS THE WIDTH OF THE PAVEMENT AND A 'NO THROUGH ROAD' AND CHEVRON MARKER SIGNS ARE TO BE INSTALLED ACROSS THE FULL WIDTH OF THE ROAD RESERVE. APPROPRIATE RETAINING WALLS AND FENCING IS TO BE PROVIDED AS DIRECTED BY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
- WHERE LINE MARKING NEEDS TO BE REMOVED, THESE LINES ARE TO BE PERMANENTLY REMOVED EITHER BY GRINDING THE OLD LINES OFF OR BY PLACING A SEAL AND GRIT TREATMENT (USING THE 'FLOCON' SYSTEM) OVER THE UNWANTED LINES.
- LOT NUMBERS SHALL BE STENCILLED IN 50mm HIGH FIGURES WITH WHITE PAINT ON THE FACE OF THE KERB AND CHANNEL.

DRAINAGE :

- PIPE DRAINAGE WITHIN ROADWAYS TO BE REINFORCED CONCRETE PIPES - CLASS 2 UNLESS OTHERWISE SHOWN.
- ALL REINFORCED CONCRETE PIPES ARE TO BE RUBBER RING JOINTED.
- PIPES IN EASEMENTS ARE TO BE RUBBER RING JOINTED OR UPVC SEWER CLASS (SH UPVC UP TO 3.0m DEPTH OR SEH UPVC GREATER THAN 3.0m DEPTH) PIPES WITH SOLVENT CEMENT JOINTS. TRENCHES ARE TO BE BACKFILLED WITH COMPACTED CLAY UNLESS OTHERWISE SHOWN.
- ALL DRAINAGE PITS IN COUNCIL ROAD RESERVES, DRAINAGE RESERVES AND RECREATION RESERVES ARE TO HAVE LIDS THAT ARE, AT LEAST CLASS D (HEAVY DUTY) IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3996
- ALL PITS ARE TO BE SET OUT FROM SURVEY CO-ORDINATES USING SET OUT POINTS DETAILED IN THE COGG STANDARD DRAWINGS.


- ALL PIPES UNDER ROADS, FOOTPATHS, DRIVEWAYS AND BEHIND BACK OF KERB SHALL BE BACKFILLED WITH 20mm NOMINAL SIZE CLASS 3 FCR (WETMIX) COMPACTED TO 95% MODIFIED COMPACTION IN 150mm MAXIMUM LAYERS.
- PIPE BEDDING UNDER ROAD PAVEMENTS FROM THE BOTTOM OF PIPE TO THE SPRINGLINE IS TO BE 2% STABILIZED SAND. CLASS 3 FCR IS TO BE PLACED FROM THE SPRINGLINE TO SUBBASE MATERIAL.
- PIPEWORK AT ALL PITS TO BE WELL ALIGNED TO ENSURE FLOW IS GUIDED TO OUTLET PIPE eg NOT
- ALL PIPELINES ARE TO BE INSPECTED VIA REMOTE CAMERA PRIOR TO THE ISSUANCE OF A STATEMENT OF COMPLIANCE AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
- PROPERTY INLET PITS ARE SHOWN THUS: AND ARE TO BE LOCATED 1m FROM THE LOW CORNER UNLESS OTHERWISE SHOWN.
- LOTS DENOTED THUS: ARE TO BE PROVIDED WITH A 100mm DIAMETER CLASS 6 PVC SOCKETED PIPE HOUSE DRAIN LOCATED 6.0m FROM THE LOW CORNER OF THE LOT UNLESS OTHERWISE SHOWN AND SHALL BE CONNECTED DIRECTLY TO UNDERGROUND DRAINS WHERE AVAILABLE.
- HOUSE DRAINS ARE TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE AT THE LOT BOUNDARY UNLESS OTHERWISE SHOWN.
- EASEMENT DRAIN CONNECTION TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE UNLESS OTHERWISE SHOWN.
- WHEN USING 150mm DIAMETER UPVC PIPES ALL HOUSE DRAINS ARE TO BE CONNECTED USING STANDARD T-PIECE FITTINGS.
- WHEN USING 225mm DIAMETER OR LARGER UPVC PIPES, HOUSE DRAINS ARE TO BE CONNECTED IN A SIMILAR WAY TO CONCRETE PIPES SUBJECT TO THE INLET BEING CORE DRILLED.
- WATER AND GAS SERVICE CONDUITS SHALL BE LOCATED CLEAT OF ALL DRIVEWAY CROSSINGS AND SHALL EXTEND FROM THE POINT OF SUPPLY TO AT LEAST 500mm INSIDE THE HOUSE LOT TO BE SERVICED AND LEFT EXPOSED UNTIL INSPECTED BY COGG SUBDIVISIONS ENGINEER. WATER CONDUITS ARE TO BE LOCATED AT LEAST 5m FROM SIDE BOUNDARY, WHEREAS GAS CONDUITS ARE TO BE LOCATED 2m FROM "NON-DRIVEWAY" SIDE BOUNDARY OF LOT TO BE SERVICED. CONDUIT TRENCHES ARE TO BE BACKFILLED WITH CLASS 3 FCR.
- THE LOCATION OF HOUSE DRAINS (H) AND SERVICE CONDUITS (W ,G, T AND E) ARE TO BE NEATLY ETCHED ON THE KERB FACE WITH 50mm HIGH LETTERS.
- IN ROAD RESERVE EXISTING OPEN DRAINS ARE TO BE CLEANED OUT TO AND APPROVED BASE AND ANY SPOIL IS TO BE REMOVED FROM THE SITE. STRUCTURAL FILL (CLASS 4 MINIMUM) IS TO BE PLACED IN NOT MORE THAN 150mm LAYERS AND COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION. COMPACTION TESTS ARE TO BE PROVIDED TO THE SATISFACTION OF COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
- WHERE DRAINAGE PITS ARE LESS THAN 1800mm DEEP NO HAUNCHING IS REQUIRED (REFER TO SD00302). WHERE DRAINAGE PITS ARE GREATER THAN 1800mm DEEP THEY WILL REQUIRE HAUNCHING TO FORM 900mm MIN WIDE BASE (REFER SD00301). IN THIS INSTANCE PARTICULAR NOTE OF WALL THICKNESSES IS TO BE MADE AND ADHERED TO.
- ALL SEWER MANHOLES LOCATED WITHIN FOOTPATHS ARE TO BE POSITIONED AND ROTATED SO THAT THEY ARE PLACED CENTRALLY WITHIN THE FOOTPATH TO PREVENT CRACKING.
- ALL DRAINAGE PITS ARE TO BE FITTED WITH TERRA-FIRMA PIT LIDS.

SHEET INDEX

SHEET No.	VERSION No.	DESCRIPTION
1	B	GENERAL NOTES.
2	B	FACEPLAN AND SERVICES SCHEDULE.
3	B	FACEPLAN AND SERVICES SCHEDULE.
4	B	SHOREBREAK WAY LONGITUDINAL SECTION.
5	B	SHOREBREAK WAY CROSS SECTIONS.
6	A	DUNEVIEW DRIVE LONGITUDINAL SECTION.
7	A	DUNEVIEW DRIVE CROSS SECTIONS (CH00-CH158.87).
8	A	DUNEVIEW DRIVE CROSS SECTIONS (CH174.87-CH225.23).
9	A	SEASCAPE DRIVE LONGITUDINAL SECTION.
10	A	SEASCAPE DRIVE CROSS SECTIONS (CH879-CH175.88).

SHEET No.	VERSION No.	DESCRIPTION
11	A	SEASCAPE DRIVE CROSS SECTIONS (CH195.22-CH253.26).
12	A	OAKDEAN BOULEVARD LONGITUDINAL SECTION.
13	B	OAKDEAN BOULEVARD CROSS SECTIONS.
14	A	ROSEWOOD DRIVE LONGITUDINAL SECTION & CROSS SECTIONS.
15	B	SHOREBREAK WAY/SEASCAPE DRIVE INTERSECTION DETAIL - (1:125)
16	B	OAKDEAN BOULEVARD/SEASCAPE DRIVE INTERSECTION DETAIL - (1:125)
17	B	OAKDEAN BOULEVARD/ROSEWOOD DRIVE INTERSECTION DETAIL - (1:125)
18	B	OAKDEAN BOULEVARD/DUNEVIEW DRIVE ROUNDABOUT DETAIL (1:125).
19	A	OAKDEAN BVD/DUNEVIEW DR ROUNDABOUT KERB ALIGNMENT PROFILES
20	A	DRAINAGE LONGITUDINAL SECTIONS ('A' & 'A2-B8' LINES).

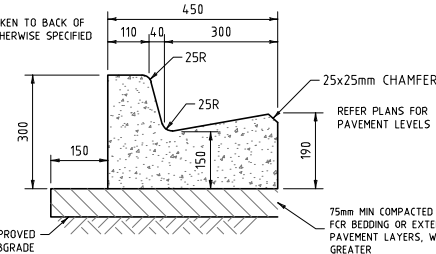
SHEET No.	VERSION No.	DESCRIPTION
21	A	DRAINAGE LONGITUDINAL SECTION ('B8-B14' LINE).
22	A	DRAINAGE LONGITUDINAL SECTION ('C' LINE).
23	B	DRAINAGE LONGITUDINAL SECTIONS ('D' & 'F' LINES INCLUSIVE).
24	A	DRAINAGE LONGITUDINAL SECTIONS ('E' & 'G' LINES INCLUSIVE).
25	B	DRAINAGE LONGITUDINAL SECTIONS ('H'- 'K' LINES) INCLUSIVE.
26	A	DRAINAGE LONGITUDINAL SECTIONS ('L'- 'Q' LINES) INCLUSIVE.
27	B	DRAINAGE PIT AND PIT SETOUT SCHEDULES
28	A	STREET SIGNS & LINEMARKING PLAN
29	A	PLAN OF SUBDIVISION

AMENDMENTS			 Peter Berry & Associates Pty. Ltd.				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
			Civil Engineers					
	26.06.20	VERSION B	MELWAY REF.		KINGSTON COAST ESTATE STAGE 2			MUNICIPALITY
	11.03.20	ISSUED FOR CONSTRUCTION	SURVEYED					GREATER GEELONG
	06.11.19	VERSION A (PRELIMINARY)	DESIGNED P.J.B					REFERENCE
DATE	DESCRIPTION	DRAWN C.S.		1503 E/2			SHEET 1 OF 29	
		CHECKED	SCALE AS SHOWN					DATUM
A1								

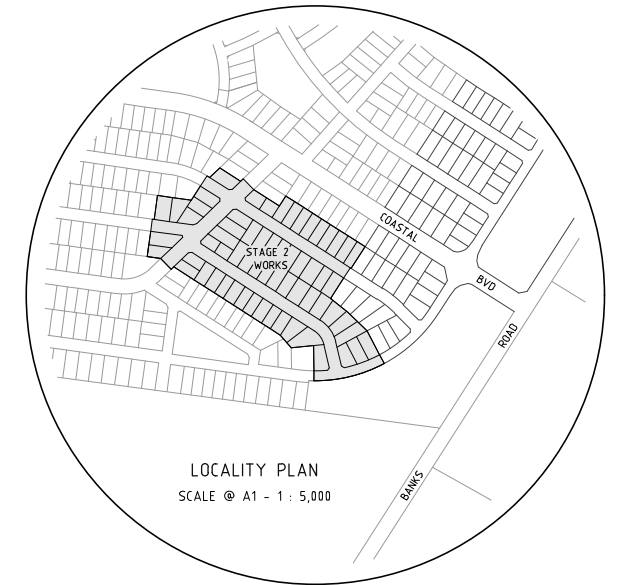
PLAN
SCALE (A1) 1 : 500

SEE SHEET No 3
FOR CONTINUATION

ALL SET OUT TAKEN TO BACK OF
KERB UNLESS OTHERWISE SPECIFIED



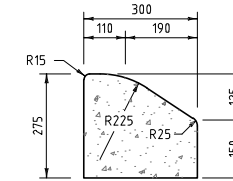
B2 KERB SECTION
(NOT TO SCALE)
(SEE IDM DRG SD100)



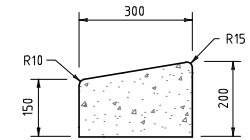
LOCALITY PLAN
SCALE @ A1 - 1 : 5,000

DEPTH OF FILL
CUT
NIL - 0.30
0.30 - 0.60

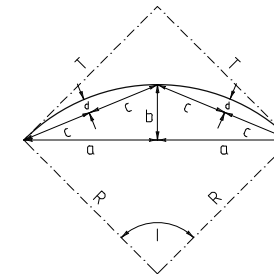
NOTE:
FOR FILLING DETAILS REFER TO NOTE 22 (SHEET 1).



SM1 KERB SECTION
(NOT TO SCALE)
(SEE IDM DRG SD100)



FM1 KERB SECTION
(NOT TO SCALE)
(SEE IDM DRG SD100)



CURVE SETOUT DETAIL
(NOT TO SCALE)

CURVE SETOUT TABLE

CURVE	RADIUS (m)	L	T	ARC	a	b	c	d
1	191.75	28°46'21"	49.184	96.292	47.642	6.013	24.01	1.599
2	184.25	4°58'38"	8.008	16.006	8.000	0.174	4.001	0.043
3	9.00	98°36'15"	10.464	15.489	6.823	3.131	3.754	0.820
4	9.00	89°45'54"	8.963	14.100	6.351	2.623	3.436	0.682
5	184.25	15°25'34"	24.954	49.607	24.728	1.667	12.392	0.417
6	33.77	44°21'26"	13.767	26.145	12.748	2.499	6.495	0.631
7	41.27	44°21'26"	16.824	31.951	15.580	3.054	7.938	0.771

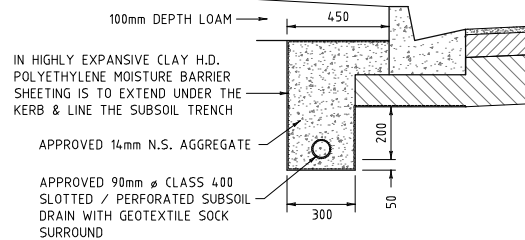
NOTE: ALL CURVE RADII LABELLED THUS - 1 ARE TO BACK OF KERB

SURVEY MARKS AND LOCATIONS

DESCRIPTION	EASTING	NORTHING	ELEVATION
TBM 'A' STAR PICKET - LOT 205	2240.29	661.81	29.911
TBM 'B' STAR PICKET - LOT 228	2289.97	778.03	29.744
TBM 'C' STAR PICKET - LOT 248	2203.46	745.28	30.553
TBM 'D' STAR PICKET - WEST OF LOT 216	2073.68	758.25	32.693



SERVICES LOCATION SCHEDULE

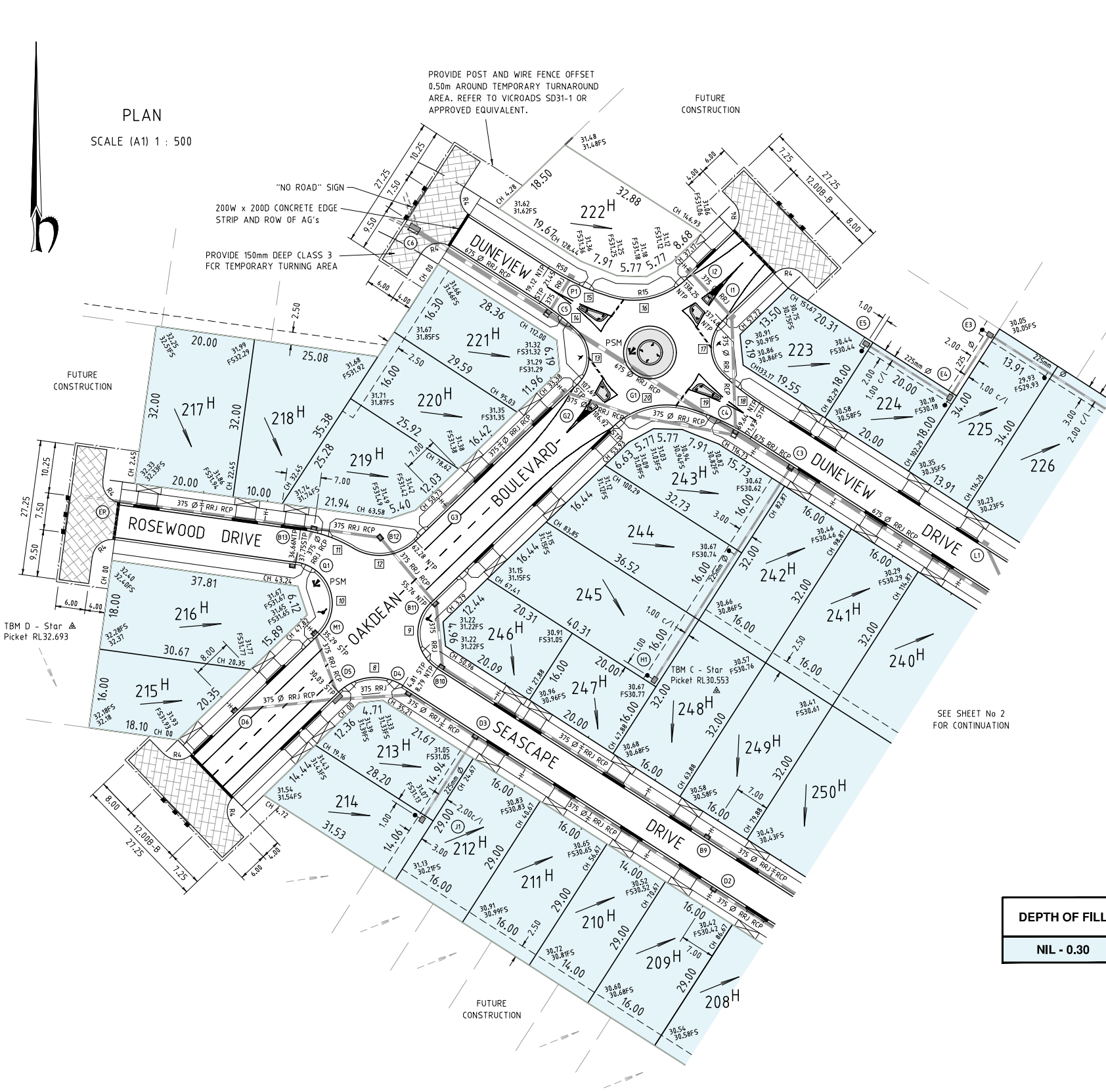
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
SHOREBREAK WAY	0.80 E	2.10 W	2.70 W	1.20 E	4.25W/1.55E
DUNEVIEW DRIVE	1.90 N	2.10 S	2.70 S	2.50 N	4.25
SEASCAPE DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25



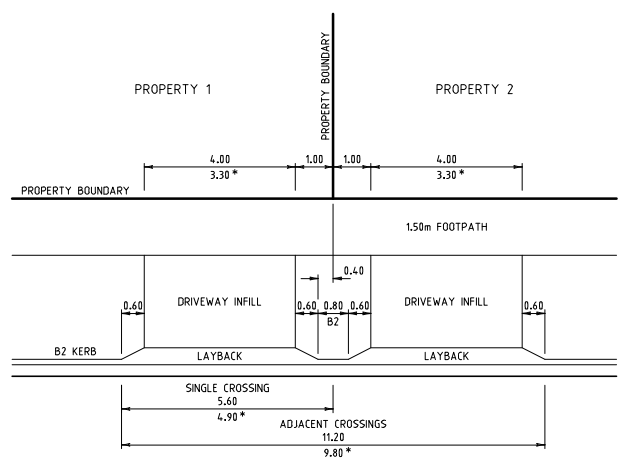
SUBSOIL DRAIN DETAIL
(NOT TO SCALE)

WARNING: EXISTING U/GROUND & O/HEAD
SERVICES. THE EXACT LOCATIONS ARE TO
BE VERIFIED PRIOR TO THE COMMENCEMENT
OF ANY WORKS.

AMENDMENTS				Peter Berry & Associates Pty. Ltd.				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	26.06.20	VERSION B									
	11.03.20	ISSUED FOR CONSTRUCTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 2				MUNICIPALITY GREATER GEELONG		
	06.11.19	VERSION A (PRELIMINARY)		SURVEYED							
DATE	DESCRIPTION	DESIGNED P.J.B	REFERENCE 1503 ^E / ₂								
		DRAWN C.S.			SHEET 2 OF 29						
A1	1 : 500  METRES		CHECKED	SCALE AS SHOWN			DATUM AHD	DATE NOV '19			

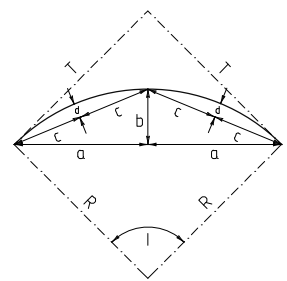


PLAN
SCALE (A1) 1 : 500



NOTE:
- * WHERE LOT FRONTS ARE LESS THAN 12.50m THE DRIVEWAY WIDTH IS TO BE A MAXIMUM OF 3.30m.
- WHERE ADJACENT DRIVEWAYS ARE LOCATED ON EACH SIDE OF THE PROPERTY BOUNDARY, THE LAYOUT IS TO BE AS PER ABOVE.
- WHERE ADJACENT DRIVEWAYS ARE LOCATED ON EACH SIDE OF THE PROPERTY BOUNDARY, THE LAYOUT IS TO BE AS PER ABOVE.

VEHICLE CROSSING DETAILS
(NOT TO SCALE)



CURVE SETOUT DETAIL
(NOT TO SCALE)

CURVE SETOUT TABLE

CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
8	10.00	76°40'55"	7.909	13.384	6.203	2.157	3.284	0.555
9	8.00	103°19'05"	10.115	14.426	6.275	3.037	3.486	0.799
10	8.00	128°09'07"	16.458	17.893	7.195	4.503	4.244	1.218
11	28.75	22°54'47"	5.827	11.497	5.710	0.573	2.870	0.144
12	10.00	74°45'40"	7.640	13.048	6.071	2.054	3.205	0.527
13	7.00	92°34'38"	7.322	11.310	5.060	2.163	2.751	0.563
14	50.00	10°44'27"	4.700	9.373	4.680	0.219	2.342	0.055
15	50.00	15°53'51"	6.982	13.874	6.915	0.480	3.466	0.120
16	15.00	60°50'09"	8.807	15.927	7.595	2.065	3.935	0.525
17	7.00	92°34'47"	7.322	11.311	5.060	2.163	2.751	0.563
18	50.00	10°44'18"	4.699	9.371	4.679	0.219	2.342	0.055
19	50.00	15°50'34"	6.957	13.825	6.891	0.477	3.454	0.119
20	15.00	60°50'22"	8.807	15.928	7.595	2.065	3.935	0.525

NOTE: ALL CURVE RADII LABELLED THUS - 1 ARE TO BACK OF KERB

DEPTH OF FILL
NIL - 0.30

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
OAKDEAN BOULEVARD	1.90 S	2.10 N	2.70 N	2.50 S	4.00
DUNEVIEW DRIVE	1.90 N	2.10 S	2.70 S	2.50 N	4.25
SEASCAPE DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25
ROSEWOOD DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25

AMENDMENTS

26.06.20	VERSION B
11.03.20	ISSUED FOR CONSTRUCTION
06.11.19	VERSION A (PRELIMINARY)
DATE	DESCRIPTION

A1

1 : 500

0 5 10 20 30 METRES

Peter Berry & Associates Pty. Ltd.
Civil Engineers

MELWAY REF.

SURVEYED

DESIGNED P.J.B

DRAWN C.S.

CHECKED

KINGSTON COAST ESTATE
STAGE 2

SCALE AS SHOWN DATUM AHD DATE NOV '19


153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799

MUNICIPALITY
GREATER GEELONG

REFERENCE
1503 E/2

SHEET 3 OF 29

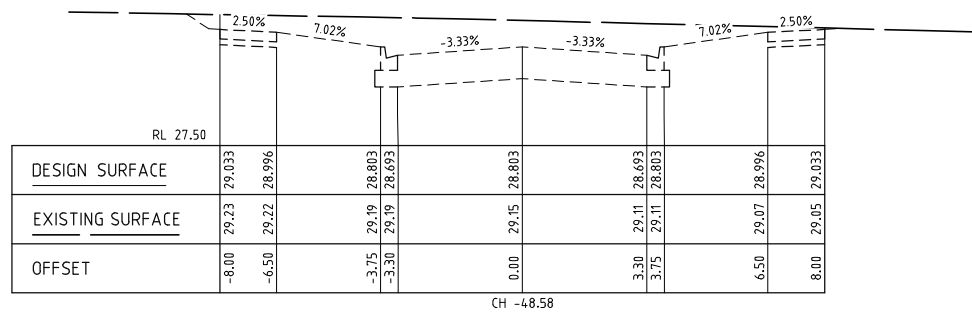
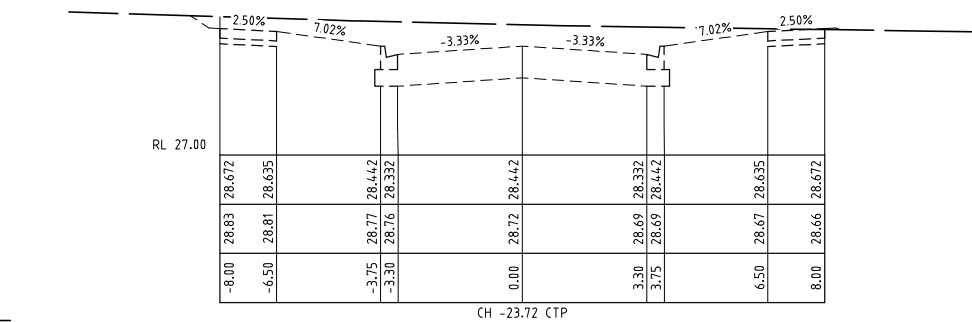
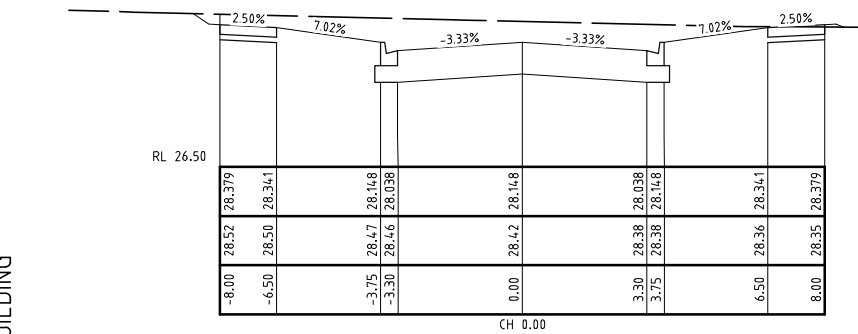
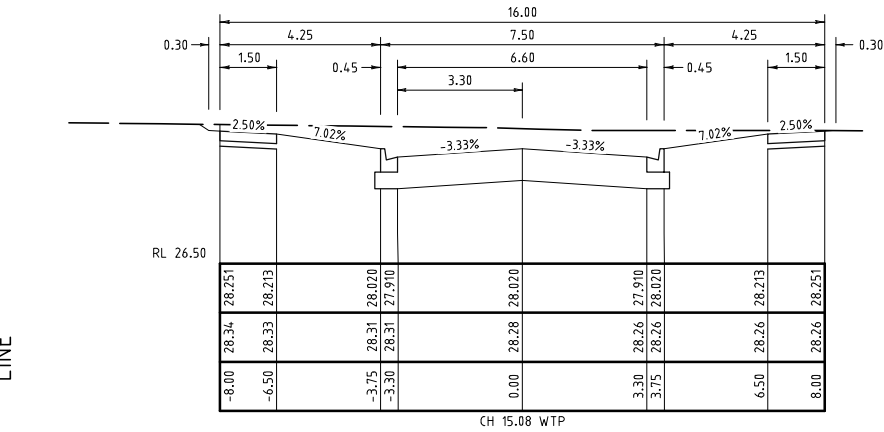


AMENDMENTS				Peter Berry & Associates Pty. Ltd. Civil Engineers			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	26.06.20	VERSION B							
	11.03.20	ISSUED FOR CONSTRUCTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 2			MUNICIPALITY	
06.11.19	VERSION A (PRELIMINARY)	SURVEYED	GREATER GEELONG						
		DESIGNED P.J.B	REFERENCE						
		DRAWN C.S.	1503 E/2						
A1	<div>1 : 5001050102030 1 : 5010.500123METRES</div>		DESCRIPTION	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE NOV '19	SHEET 4 OF 29	

LINE

BUILDING

WEST



SHOREBREAK WAY CROSS SECTIONS

SCALES - HORIZ. 1 : 100
VERT. 1 : 50

NOTE:
BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 5
FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE SHOWN.

LINE

BUILDING

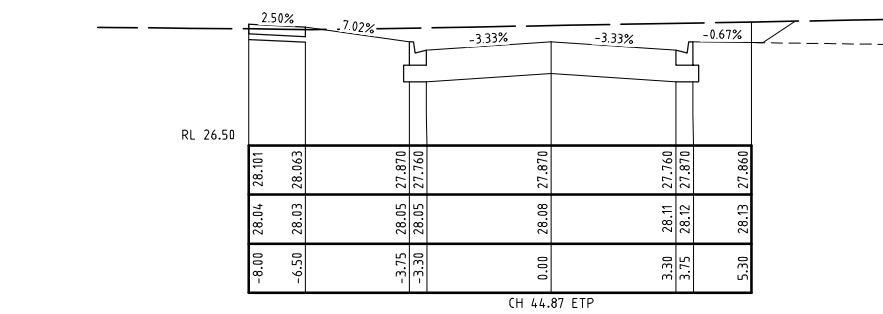
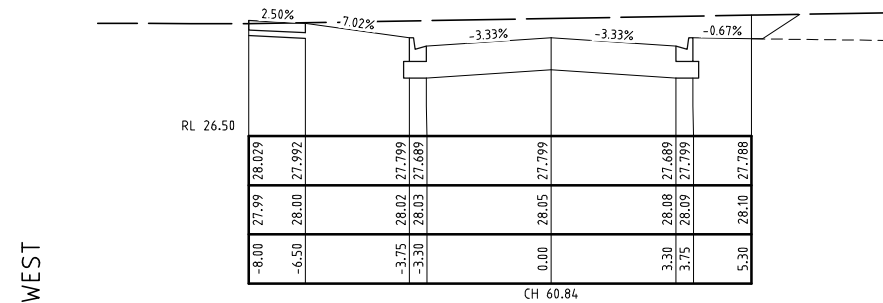
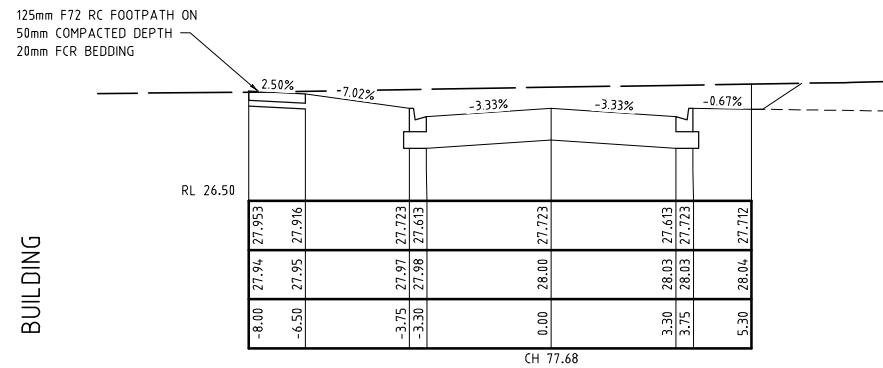
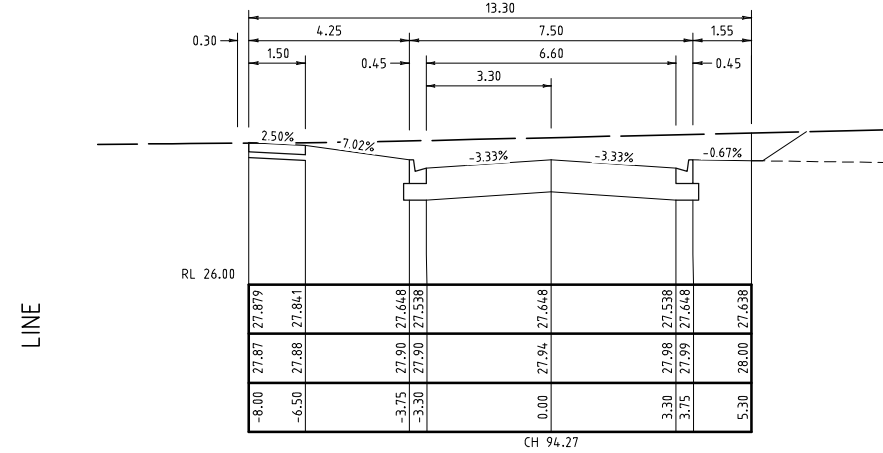
EAST

- PAVEMENT TO CONSIST OF:
- a) 30mm COMPACTED DEPTH 10mm TYPE N CLASS 170 ASPHALT
 - b) PRIME AS SPECIFIED
 - c) 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
 - d) 240mm COMPACTED DEPTH 20mm CLASS 3 FCR (2 LAYERS)
- SUBGRADE IMPROVEMENT (IF REQUIRED)
- e) 200mm DEPTH 3% LIME STABILIZED SUBGRADE EXTENDING 150mm BEHIND KERB, OR
 - f) 150mm COMPACTED DEPTH OF APPROVED NDCR OR 40mm CLASS 4 FCR

LINE

BUILDING

WEST




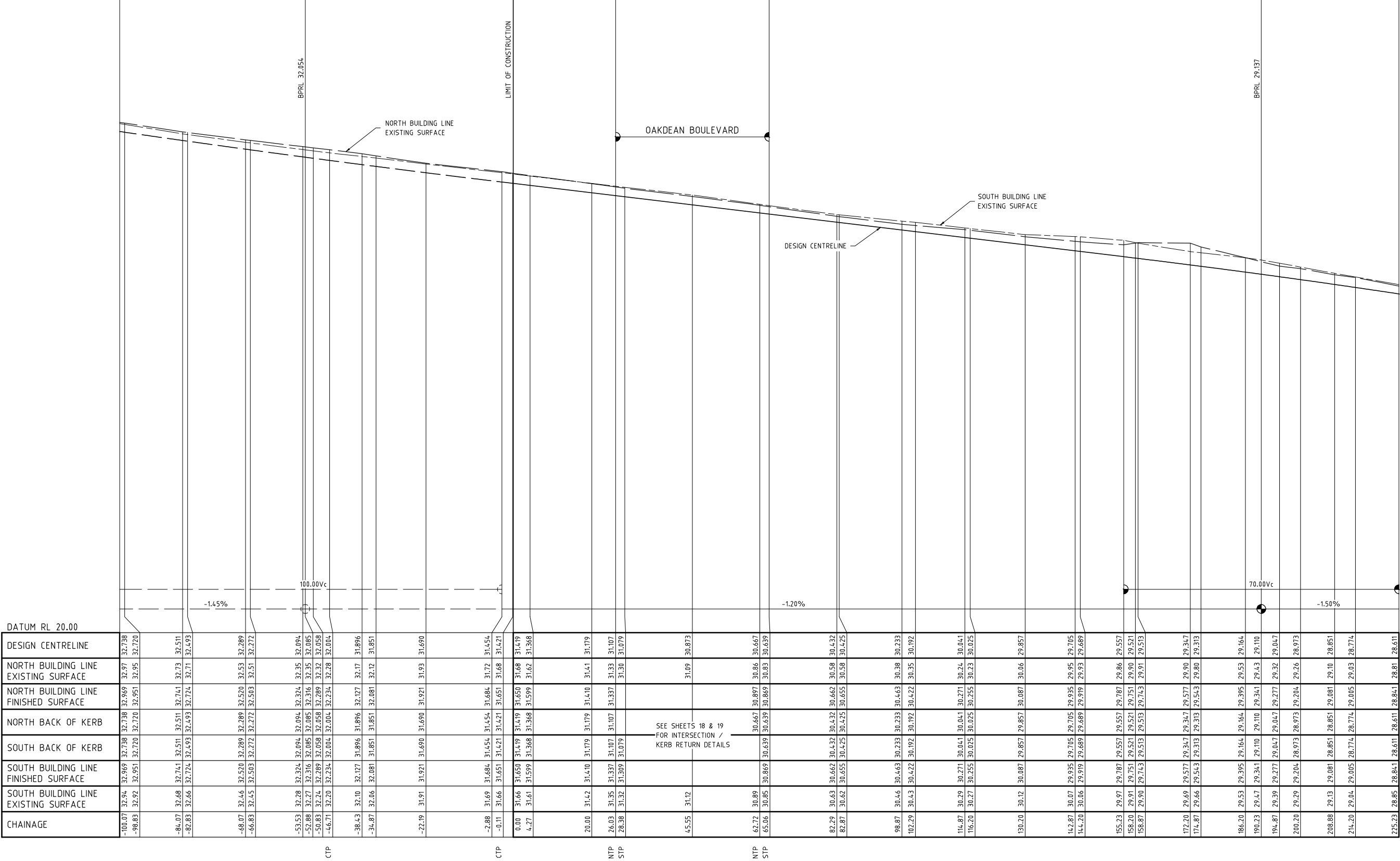
LINE

BUILDING

EAST

NOTE:
FOOTPATH ALONG EAST SIDE IS TO BE
PLACED WITHIN THE RESERVE ALONG THE
BERM OF THE FUTURE BASIN. PLEASE
REFER TO LANDSCAPING PLANS

AMENDMENTS			 Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	26.06.20	VERSION B			KINGSTON COAST ESTATE STAGE 2				MUNICIPALITY	
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.						GREATER GEELONG	
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED						REFERENCE	
DATE	DESCRIPTION	DESIGNED P.J.B.		DRAWN C.S.		1503 E ¹ / ₂				
		CHECKED								
A1	<div><div></div><div>1 : 100210246</div><div>1 : 5010.50123</div></div> METRES		SCALE AS SHOWN		DATUM	AHD	DATE	NOV '19	SHEET	5 OF 29



DATUM RL 20.00	
DESIGN CENTRELINE	32.738 32.97 32.95 32.770
NORTH BUILDING LINE EXISTING SURFACE	32.969 32.97 32.95 32.770
NORTH BUILDING LINE FINISHED SURFACE	32.738 32.969 32.97 32.770
NORTH BACK OF KERB	32.738 32.969 32.97 32.770
SOUTH BACK OF KERB	32.738 32.969 32.97 32.770
SOUTH BUILDING LINE FINISHED SURFACE	32.738 32.969 32.97 32.770
SOUTH BUILDING LINE EXISTING SURFACE	32.738 32.969 32.97 32.770
CHAINAGE	-100.07 32.94 32.92 32.68 32.741 32.511 32.741 32.73 32.511 -82.83 32.66 32.724 32.493 32.724 32.71 32.493 -68.07 32.46 32.520 32.289 32.520 32.53 32.289 -66.83 32.45 32.503 32.272 32.503 32.51 32.272 -53.53 32.28 32.324 32.094 32.324 32.35 32.094 -52.88 32.27 32.316 32.085 32.316 32.35 32.085 -50.83 32.24 32.289 32.058 32.289 32.32 32.058 -46.71 32.20 32.234 32.004 32.234 32.28 32.004 -38.43 32.10 32.127 31.896 32.127 32.17 31.896 -34.87 32.06 32.081 31.851 32.081 32.12 31.851 -22.19 31.91 31.921 31.690 31.921 31.93 31.690 -2.88 31.69 31.684 31.454 31.684 31.72 31.454 -0.11 31.66 31.651 31.421 31.651 31.68 31.421 0.00 31.66 31.650 31.419 31.650 31.68 31.419 4.27 31.61 31.599 31.368 31.599 31.62 31.368 20.00 31.42 31.410 31.179 31.410 31.41 31.179 26.03 31.35 31.337 31.107 31.337 31.33 31.107 28.38 31.32 31.309 31.079 31.309 31.30 31.079 45.55 31.12 31.09 30.873 31.09 30.873 62.72 30.89 30.869 30.639 30.869 30.83 30.639 65.06 30.85 30.869 30.639 30.869 30.83 30.639 82.29 30.63 30.662 30.432 30.662 30.58 30.432 82.87 30.62 30.655 30.425 30.655 30.58 30.425 98.87 30.46 30.463 30.233 30.463 30.38 30.233 102.29 30.43 30.422 30.192 30.422 30.35 30.192 114.87 30.29 30.271 30.041 30.271 30.24 30.041 116.20 30.27 30.255 30.025 30.255 30.23 30.025 130.20 30.12 30.087 29.857 29.857 30.06 29.857 142.87 30.07 29.935 29.705 29.935 29.95 29.705 144.20 30.06 29.919 29.689 29.919 29.93 29.689 155.23 29.97 29.787 29.557 29.557 29.86 29.557 158.20 29.91 29.751 29.521 29.521 29.90 29.521 158.87 29.90 29.743 29.513 29.513 29.91 29.513 172.20 29.69 29.577 29.347 29.577 29.90 29.347 174.87 29.66 29.543 29.313 29.543 29.80 29.313 186.20 29.53 29.395 29.164 29.395 29.53 29.164 190.23 29.47 29.341 29.110 29.341 29.43 29.110 194.87 29.39 29.277 29.047 29.277 29.32 29.047 200.20 29.29 29.204 28.973 29.204 29.26 28.973 208.88 29.13 29.081 28.851 29.081 29.10 28.851 214.20 29.04 29.005 28.774 29.005 29.03 28.774 225.23 28.85 28.841 28.611 28.841 28.81 28.611

DUNEVIEW DRIVE LONGITUDINAL SECTION

SCALES - HORIZ. 1 : 500
VERT. 1 : 50

AMENDMENTS

11.03.20	ISSUED FOR CONSTRUCTION
06.11.19	VERSION A (PRELIMINARY)
DATE	DESCRIPTION

A1

1 : 500

10 5 0 10 20 30

1 : 50

1 0.5 0 1 2 3

METRES

MELWAY REF.

SURVEYED

DESIGNED P.J.B

DRAWN C.S.

CHECKED

Peter Berry & Associates Pty. Ltd.

Civil Engineers

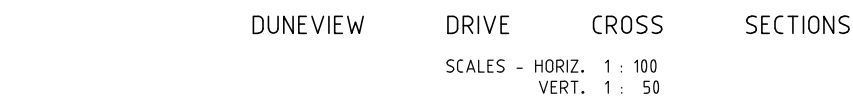
KINGSTON COAST ESTATE
STAGE 2

SCALE AS SHOWN DATUM AHD DATE NOV '19

MUNICIPALITY
GREATER GEELONG

REFERENCE
1503 E/2

SHEET 6 OF 29



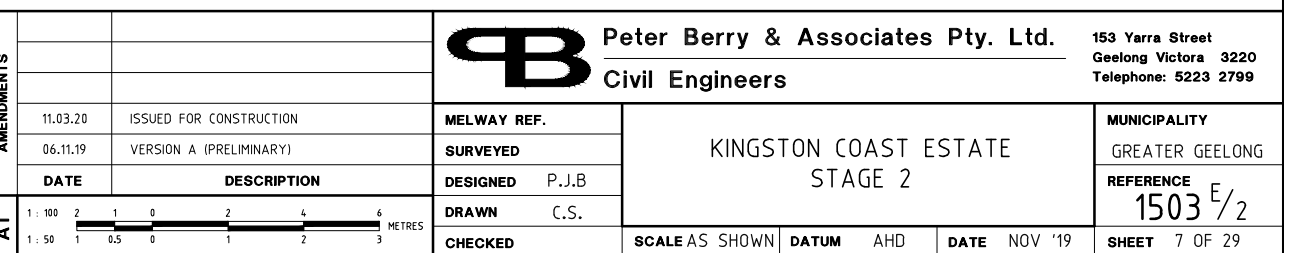
NOTE:
BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 5
FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE SHOWN.

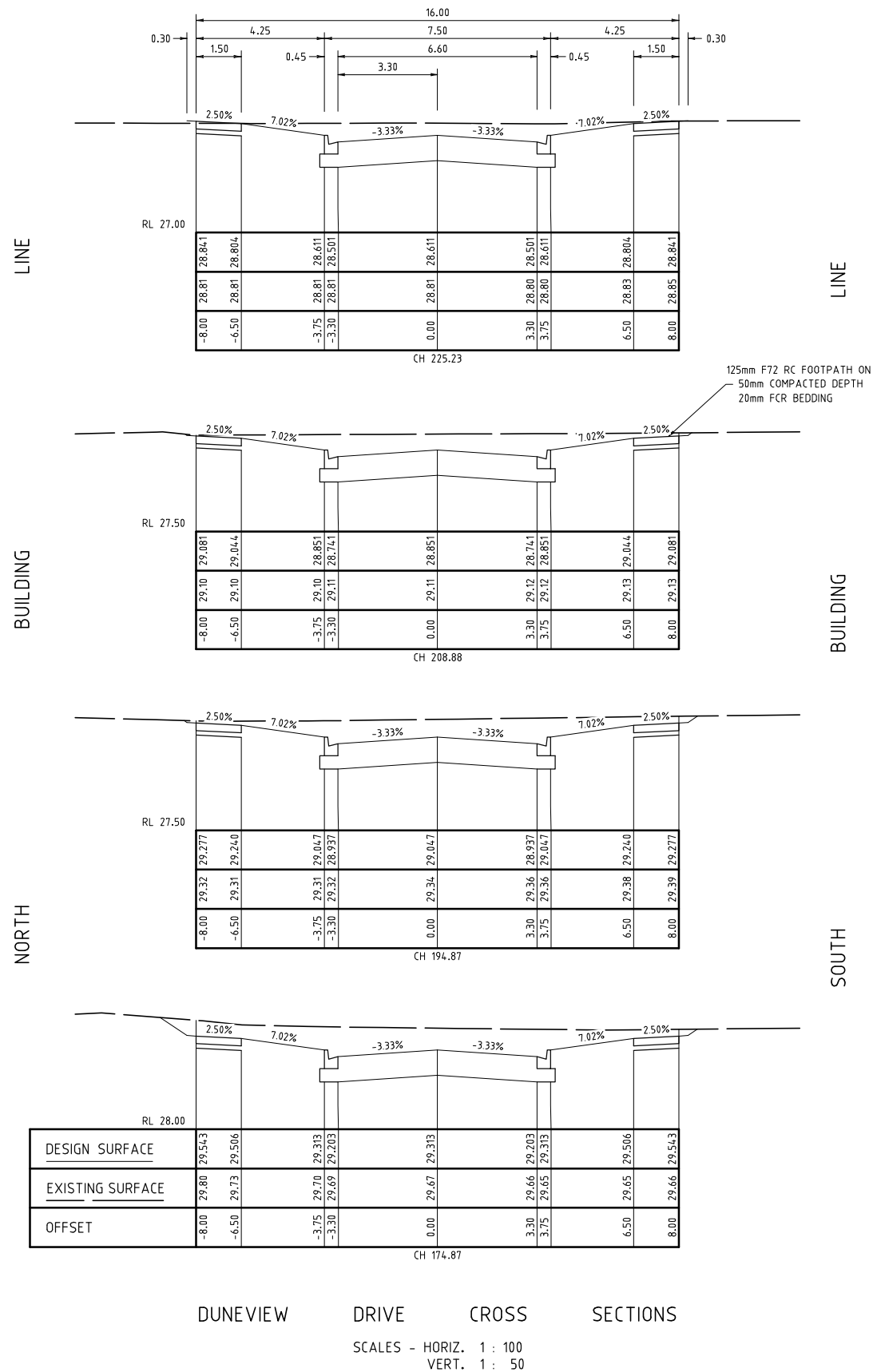
PAVEMENT TO CONSIST OF:

- a) 30mm COMPACTED DEPTH 10mm TYPE N CLASS 170 ASPHALT
- b) PRIME AS SPECIFIED
- c) 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
- d) 240mm COMPACTED DEPTH 20mm CLASS 3 FCR (2 LAYERS)


SUBGRADE IMPROVEMENT (IF REQUIRED)

- e) 200mm DEPTH 3% LIME STABILIZED SUBGRADE EXTENDING 150mm BEHIND KERB, OR
- f) 150mm COMPACTED DEPTH OF APPROVED NDCR OR 40mm CLASS 4 FCR

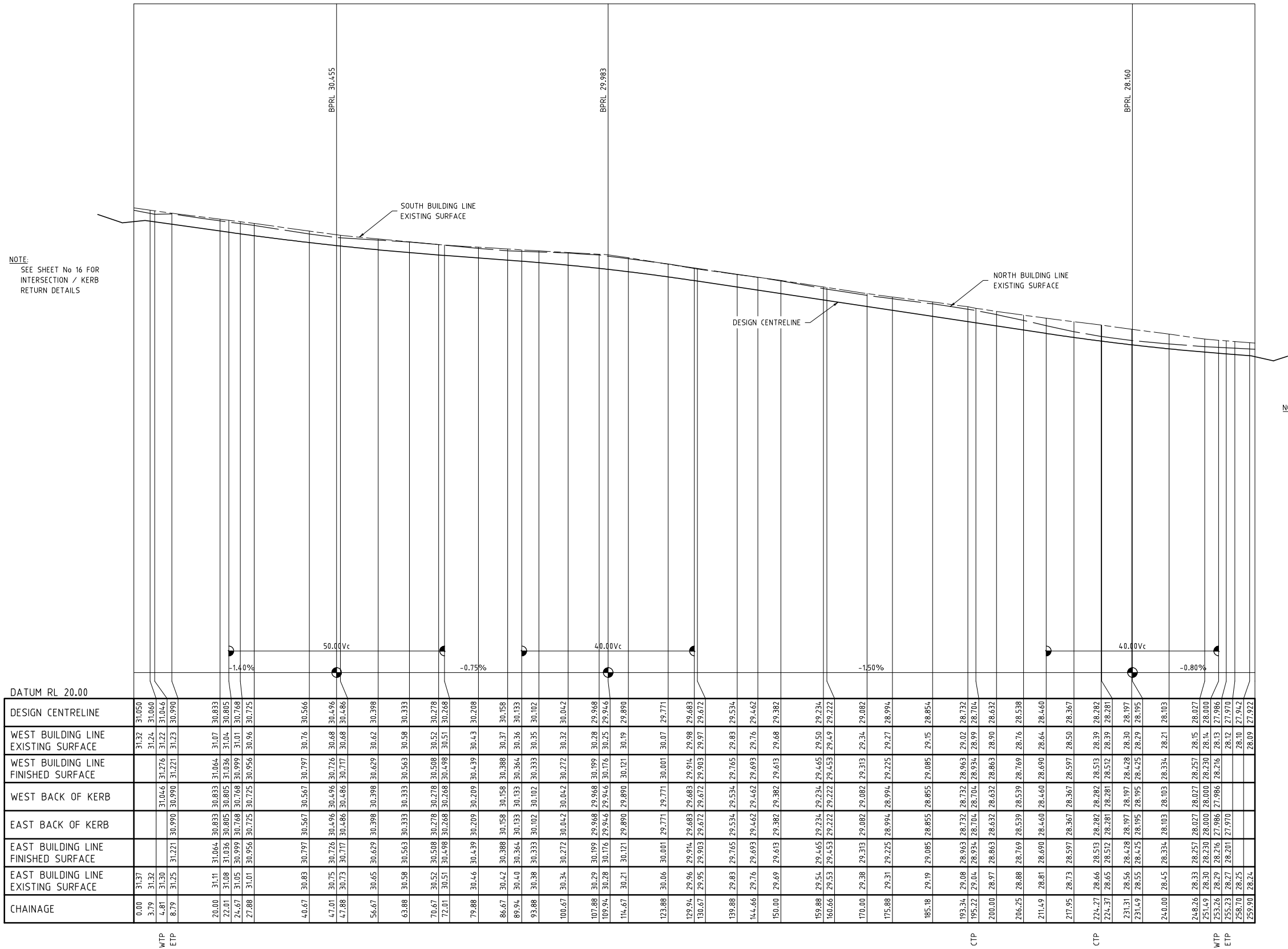




- PAVEMENT TO CONSIST OF:
- a) 30mm COMPACTED DEPTH 10mm TYPE N CLASS 170 ASPHALT
 - b) PRIME AS SPECIFIED
 - c) 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
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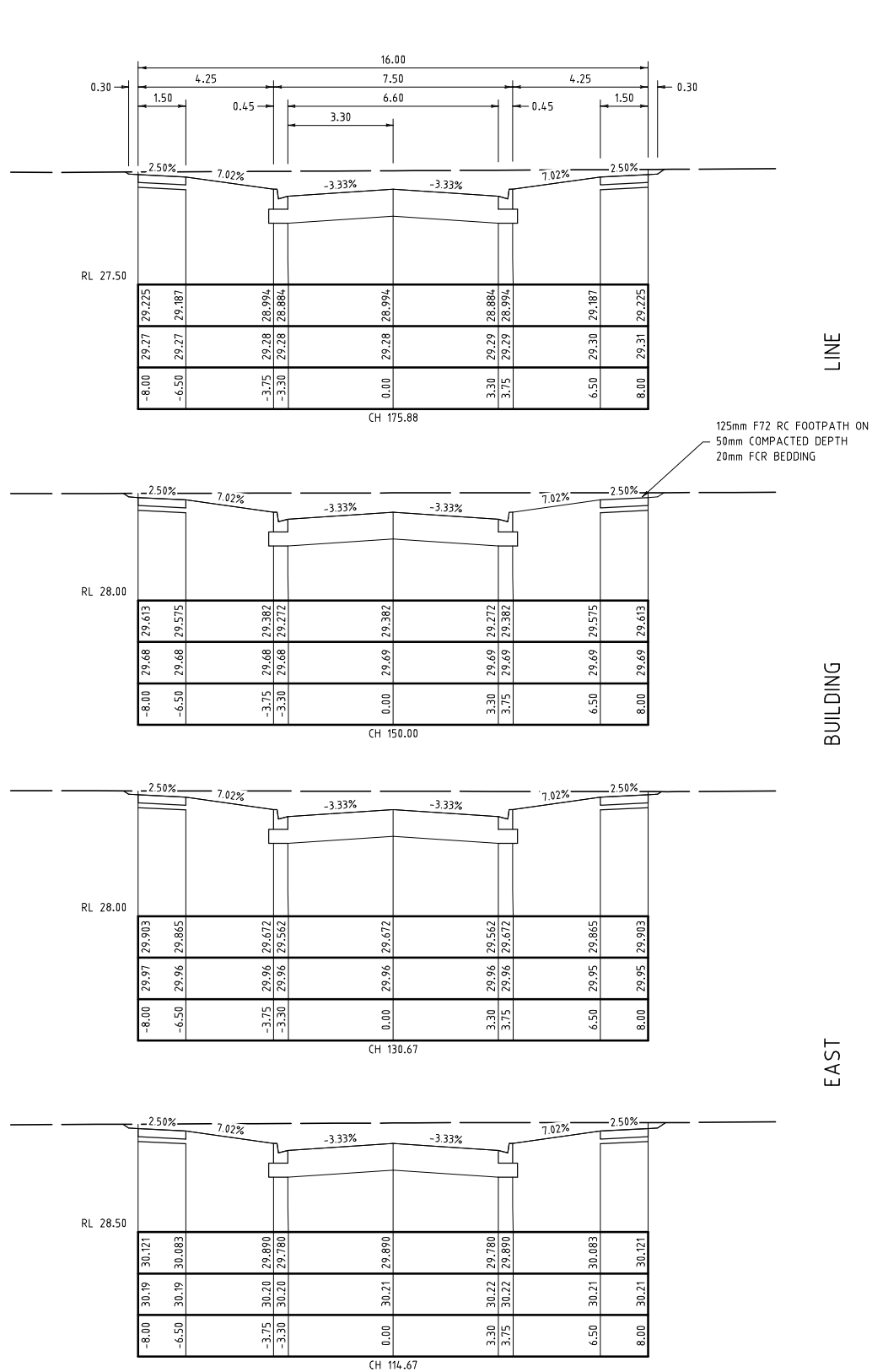
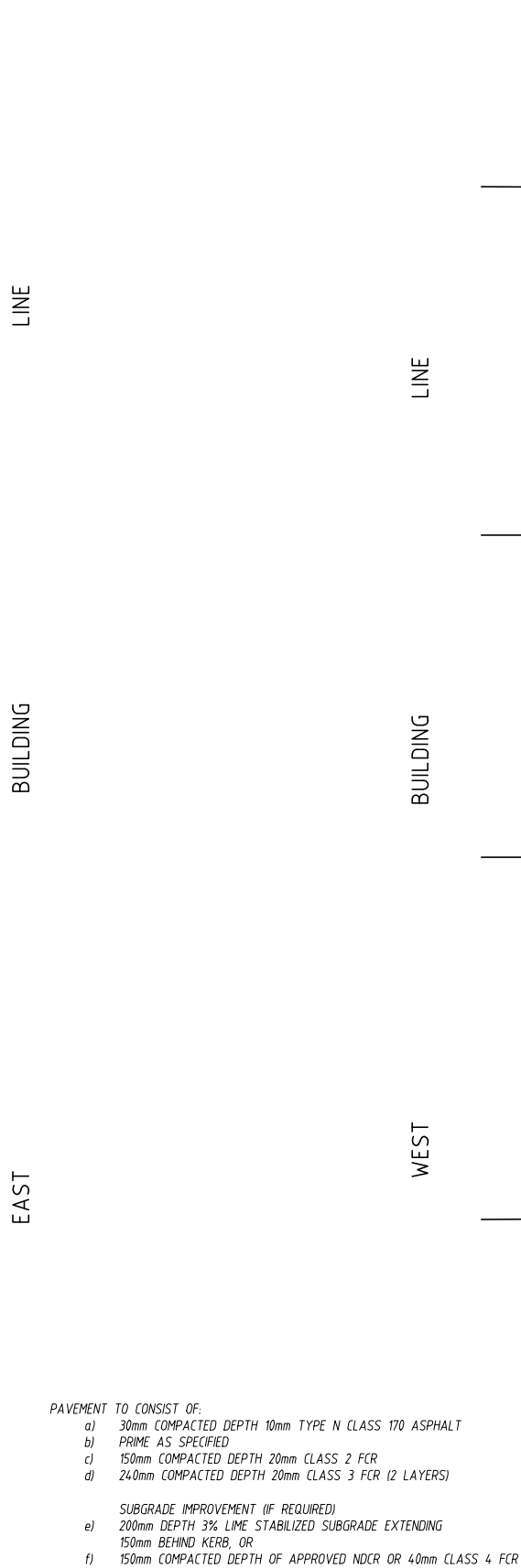
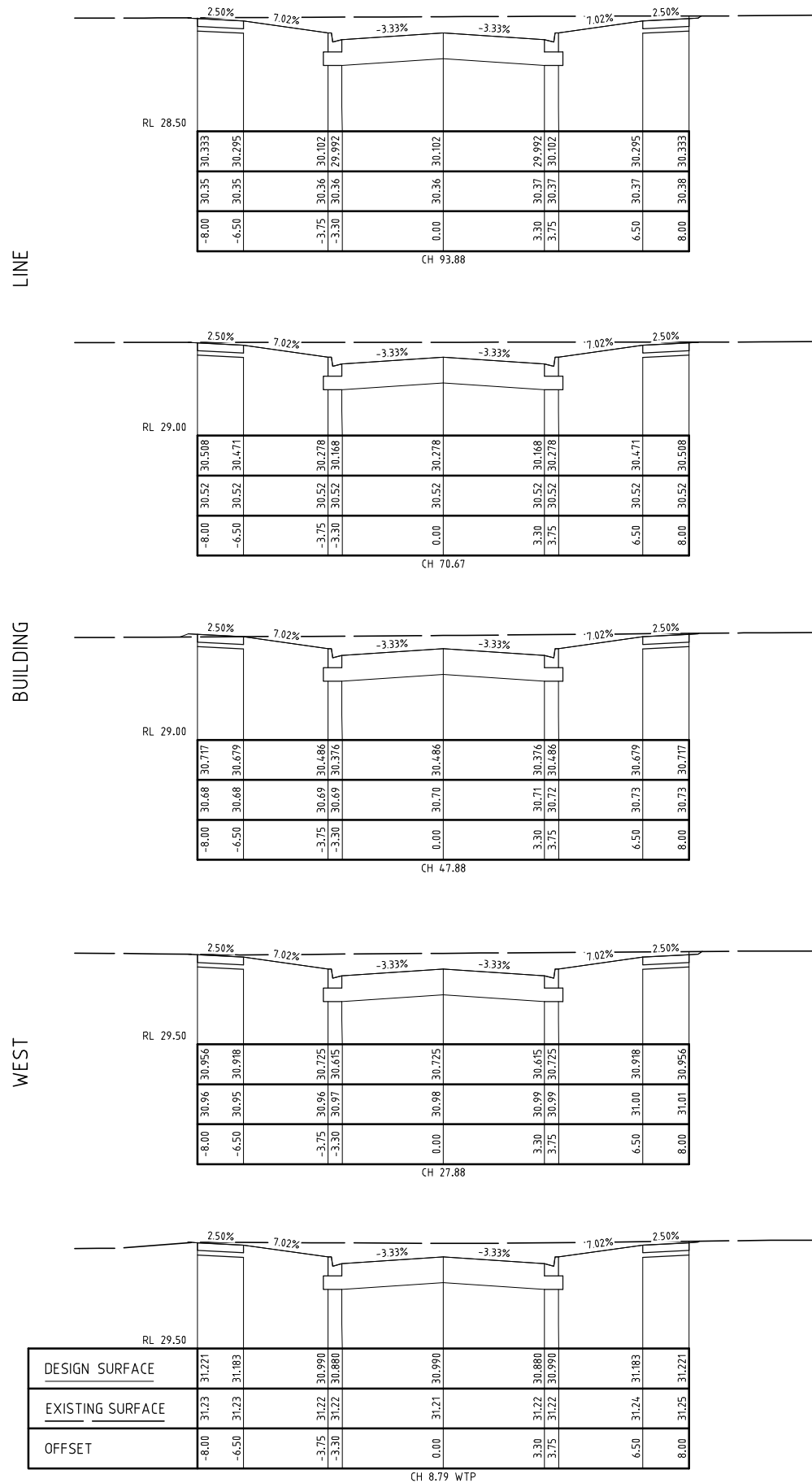
AMENDMENTS				Peter Berry & Associates Pty. Ltd. Civil Engineers			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2			MUNICIPALITY		
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED				GREATER GEELONG		
	DATE	DESCRIPTION	DESIGNED				P.J.B	REFERENCE	
A1			DRAWN	C.S.	SCALE AS SHOWN			1503 E ¹ / ₂	
			CHECKED					SHEET 8 OF 29	
		1 : 100	2 1 0 2 4 6			DATUM		AHD	DATE
	1 : 50	1 0.5 0 1 2 3							
	METRES								

NOTE:
SEE SHEET No 16 FOR
INTERSECTION / KERB
RETURN DETAILS



SCALES - HORIZ. 1 : 500
VERT. 1 : 50

AMENDMENTS	Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2		MUNICIPALITY GREATER GEELONG
	SURVEYED			REFERENCE 1503 E/2
	DESIGNED P.J.B.			SHEET 9 OF 29
A1	DATE	DESCRIPTION	DRAWN C.S.	CHECKED
11.03.20	ISSUED FOR CONSTRUCTION			
06.11.19	VERSION A (PRELIMINARY)			
1 : 500 1 : 50		0 5 10 20 30 0 0.5 1 2 3 METRES		
SCALE AS SHOWN		DATUM	AHD	DATE NOV '19

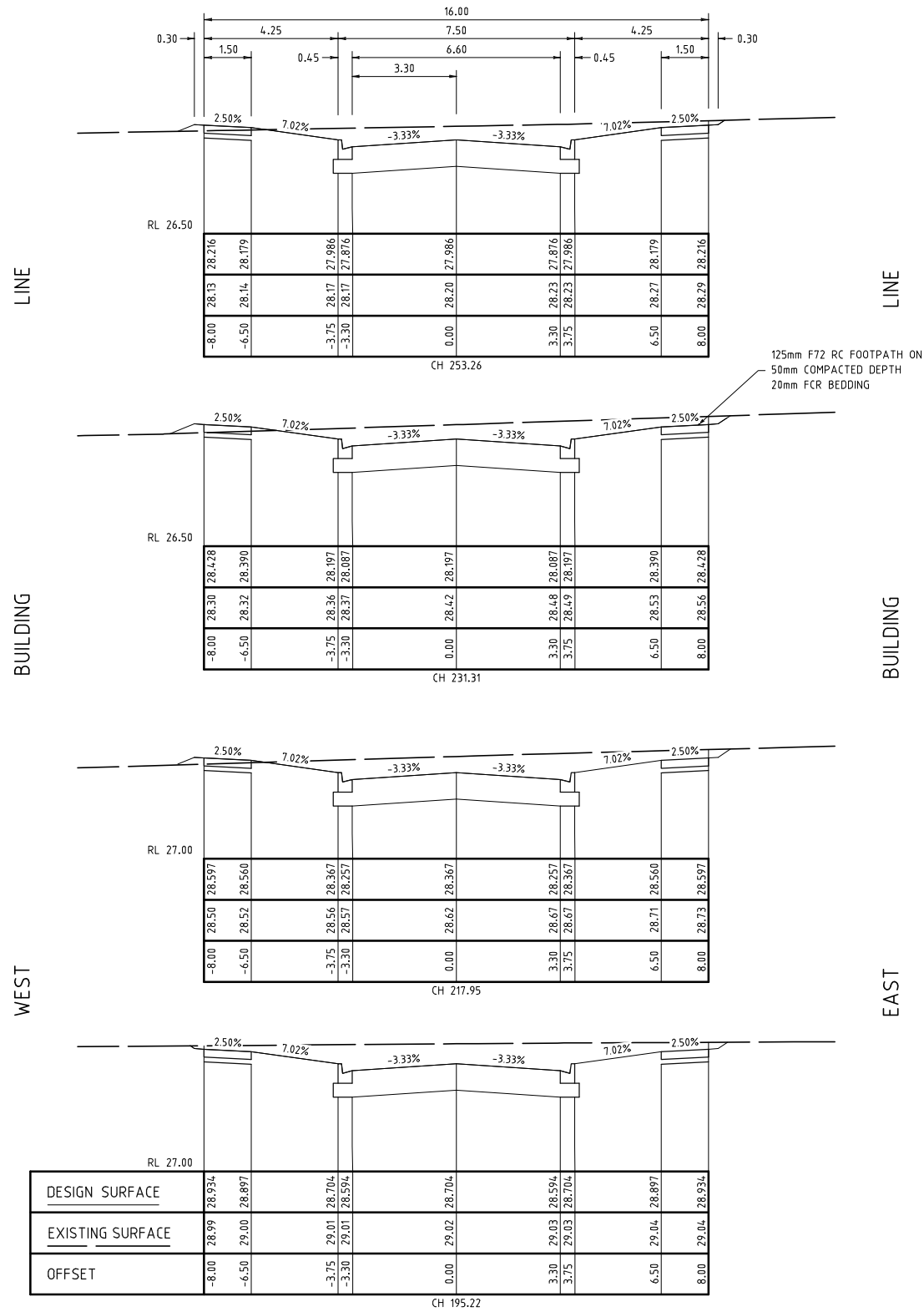



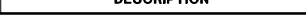
SEASCAPE DRIVE CROSS SECTIONS

SCALES - HORIZ. 1 : 100

VERT. 1 : 50

AMENDMENTS			<div>Peter Berry & Associates Pty. Ltd. Civil Engineers</div> <div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div>	
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED	
	DATE	DESCRIPTION	DESIGNED P.J.B	
A1	1 : 100	2 1 0 2 4 6	DRAWN C.S.	MUNICIPALITY GREATER GEELONG
	1 : 50	1 0.5 0 1 2 3	CHECKED	
SCALE AS SHOWN			DATUM AHD	DATE NOV '19
			REFERENCE 1503 E/2	
			SHEET 10 OF 29	



AMENDMENTS					Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2		MUNICIPALITY			
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED			GREATER GEELONG			
DATE	DESCRIPTION	DESIGNED P.J.B.	REFERENCE						
A1	1 : 100 1 : 50		DRAWN C.S.			1503 ^E / ₂			
CHECKED			SCALE AS SHOWN	DATUM	AHD	DATE	NOV '19	SHEET	11 OF 29

DATUM RL 23.00

CHAINAGE	SOUTH BUILDING LINE EXISTING SURFACE	SOUTH BUILDING LINE FINISHED SURFACE	SOUTH BACK OF KERB	NORTH BACK OF KERB	NORTH BUILDING LINE FINISHED SURFACE	NORTH BUILDING LINE EXISTING SURFACE	DESIGN CENTRELINE
-113.83	32.90	32.474	32.327	32.327	32.474	33.04	32.402
-111.33	32.88	32.443	32.495	32.495	32.443	33.01	32.370
-97.83	32.75	32.271	32.124	32.124	32.271	32.85	32.198
-95.33	32.72	32.239	32.092	32.092	32.239	32.82	32.167
-83.83	32.59	32.093	31.946	31.946	32.093	32.69	32.021
-81.33	32.55	32.062	31.914	31.914	32.062	32.66	31.989
-69.15	32.42	31.907	31.759	31.759	31.907	32.51	31.834
-68.17	32.40	31.894	31.747	31.747	31.894	32.50	31.822
-61.24	32.31	31.806	31.659	31.659	31.806	32.43	31.734
-51.90	32.18	31.718	31.570	31.570	31.718	32.34	31.645
-48.74	32.13	31.701	31.554	31.554	31.701	32.32	31.629
-42.75	32.06	31.689	31.541	31.541	31.689	32.27	31.616
-41.79	32.05	31.689	31.542	31.542	31.689	32.26	31.617
-41.60	32.05	31.689	31.542	31.542	31.689	32.26	31.617
-36.24	31.98	31.704	31.556	31.556	31.704	32.22	31.631
-31.87	31.94	31.723	31.576	31.576	31.723	32.17	31.650
-30.28	31.92	31.730	31.583	31.583	31.730	32.15	31.657
-26.08	31.88	31.742	31.594	31.594	31.742	32.11	31.669
-24.68	31.87	31.743	31.595	31.595	31.743	32.10	31.670
-22.78	31.85	31.741	31.594	31.594	31.741	32.09	31.669
-20.65	31.83	31.736	31.589	31.589	31.736	32.07	31.664
-17.13	31.79	31.720	31.572	31.572	31.720	32.04	31.647
-15.28	31.77	31.707	31.560	31.560	31.707	32.03	31.635
-11.67	31.73	31.680	31.533	31.533	31.680	32.00	31.608
0.00	31.60	31.593	31.445	31.445	31.593	31.93	31.520
4.72	31.54	31.557	31.410	31.410	31.557	31.90	31.485
19.16	31.43	31.449	31.302	31.302	31.449	31.78	31.376
20.35	31.43	31.440	31.293	31.293	31.440	31.77	31.368
30.03	31.40	31.368	31.220	31.220	31.368	31.70	31.295
34.52	31.37						
35.29	31.36						
40.37	31.33						
43.24	31.32						
48.39	31.29						
50.96	31.24						
55.76	31.20	31.175	31.102				
62.29	31.14	31.126	30.978	30.978	31.126	31.45	31.053
63.58	31.14	31.116	30.968	30.968	31.116	31.44	31.043
67.40	31.15	31.087	30.940	30.940	31.087	31.42	31.015
78.62	31.15	31.003	30.856	30.856	31.003	31.38	30.931
79.14	31.15	30.999	30.852	30.852	30.999	31.38	30.927
83.85	31.15	30.960	30.812	30.812	30.960	31.37	30.887
89.14	31.15	30.906	30.758	30.758	30.906	31.37	30.833
95.03	31.14	30.833	30.685	30.685	30.833	31.35	30.760
98.92	31.13	30.778	30.630	30.630	30.778	31.33	30.705
99.14	31.13	30.774	30.627	30.627	30.774	31.33	30.702
100.29	31.12	30.757	30.610	30.610	30.757	31.32	30.684
103.92	31.10	30.703	30.555	30.555	30.703	31.31	30.630
106.92	31.09	30.658	30.510	30.510	30.658	31.29	30.585
107.69	31.08						
112.00	31.06						
112.31	31.05						
116.73	31.01						
122.58	30.98						
128.44	30.96						
132.86	30.94						
133.17	30.94						
137.48	30.92	30.578	30.430				
138.25	30.91	30.587	30.439	30.439	30.587	31.12	30.514
141.25	30.88	30.621	30.474	30.474	30.621	31.10	30.549
143.74	30.85	30.650	30.502	30.502	30.650	31.08	30.577
146.25	30.81	30.674	30.526	30.526	30.674	31.06	30.601
146.93	30.81	30.678	30.531	30.531	30.678	31.06	30.606
150.78	30.76	30.690	30.543	30.543	30.690	31.03	30.618
151.24	30.75	30.690	30.543	30.543	30.690	31.02	30.617
151.67	30.75	30.690	30.542	30.542	30.690	31.02	30.617
158.74	30.67	30.639	30.491	30.491	30.639	30.95	30.566
163.38	30.62	30.578	30.431	30.431	30.578	30.90	30.506
168.11	30.57	30.517	30.369	30.369	30.517	30.85	30.444
172.82	30.45	30.365	30.217	30.217	30.365	30.72	30.292
184.55	30.40	30.303	30.155	30.155	30.303	30.68	30.230
198.32	30.25	30.124	29.977	29.977	30.124	30.58	30.051
203.05	30.22	30.062	29.915	29.915	30.062	30.56	29.990

LP

HP



OAKDEAN

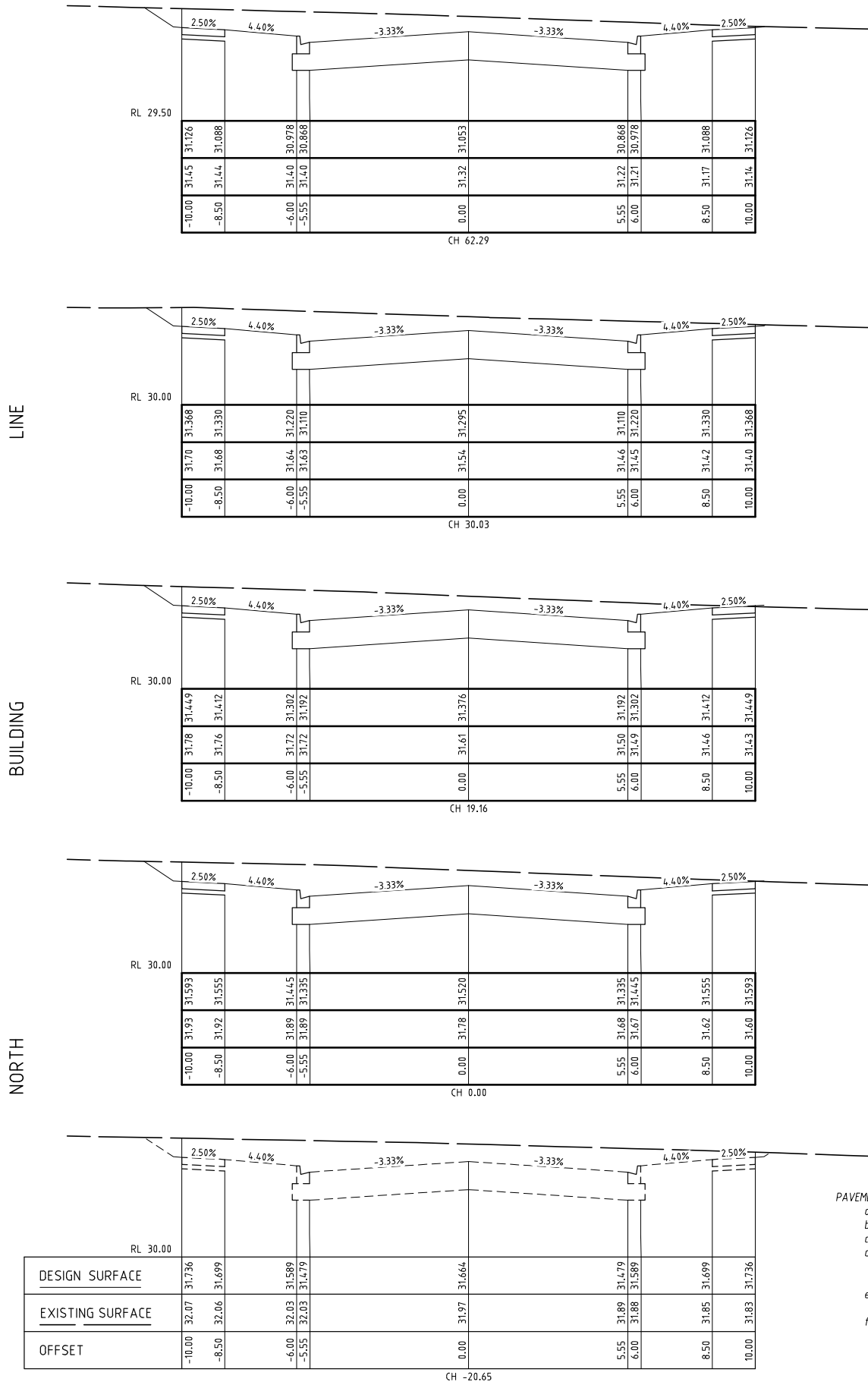
BOULEVARD

LONGITUDINAL

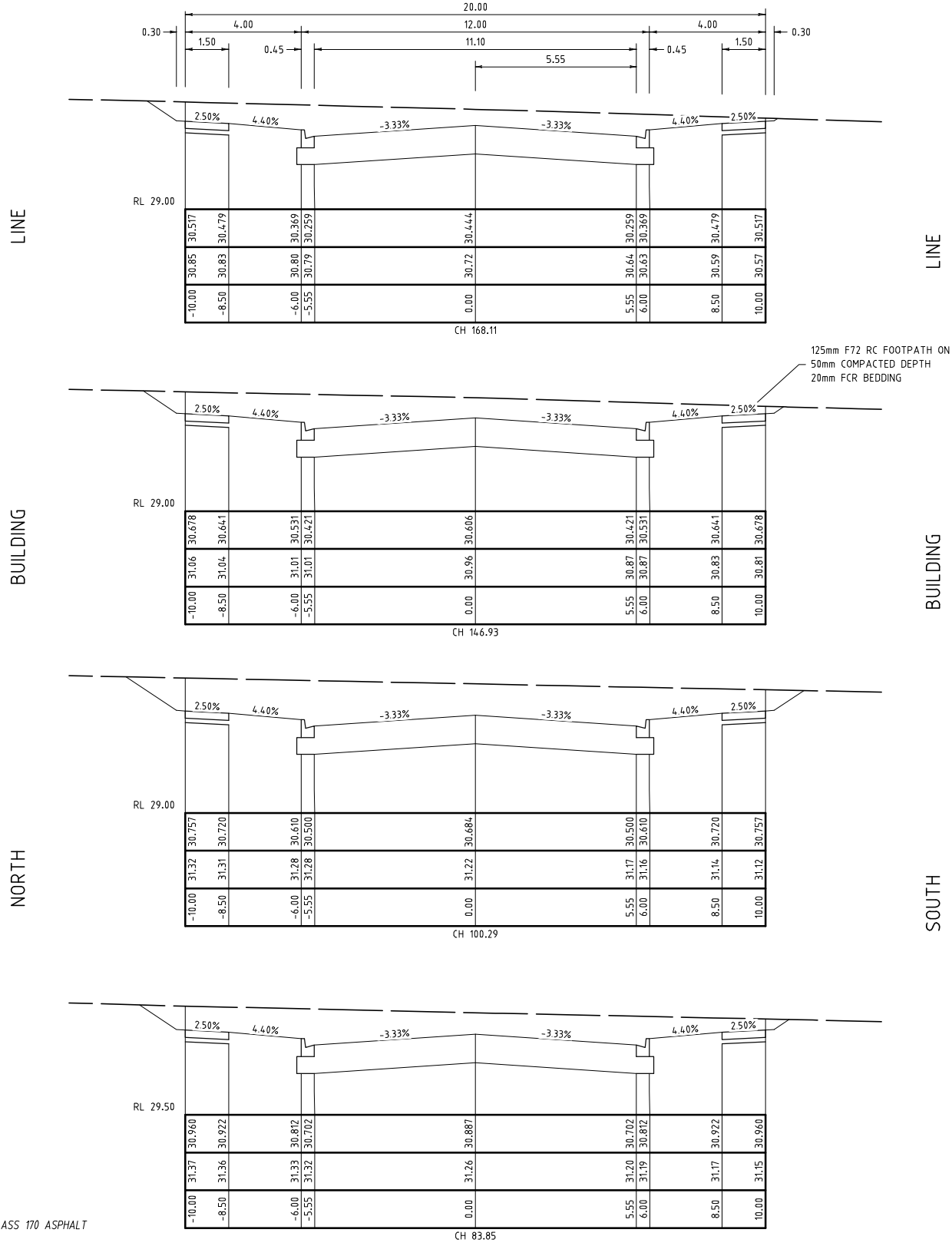
SECTION

SCALES - HORIZ. 1 : 500
VERT. 1 : 50

AMENDMENTS					Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2				MUNICIPALITY GREATER GEELONG		
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED					REFERENCE 1503 ^E / ₂		
DATE	DESCRIPTION	DESIGNED P.J.B	SHEET 12 OF 29							
A1			DRAWN C.S.	SCALE AS SHOWN		DATUM	AHD	DATE NOV '19		
			CHECKED							




- PAVEMENT TO CONSIST OF:
- a) 30mm COMPACTED DEPTH 10mm TYPE N CLASS 170 ASPHALT
 - b) PRIME AS SPECIFIED
 - c) 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
 - d) 310mm COMPACTED DEPTH 20mm CLASS 3 FCR (2 LAYERS)
- SUBGRADE IMPROVEMENT (IF REQUIRED)
- e) 200mm DEPTH 3% LIME STABILIZED SUBGRADE EXTENDING 150mm BEHIND KERB, OR
 - f) 150mm COMPACTED DEPTH OF APPROVED NDCR OR 40mm CLASS 4 FCR



125mm F72 RC FOOTPATH ON
50mm COMPACTED DEPTH
20mm FCR BEDDING

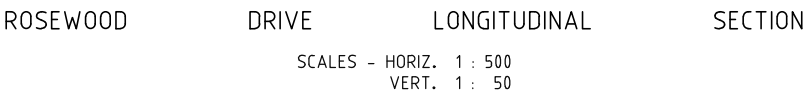
OAKDEAN BOULEVARD CROSS SECTIONS

SCALES - HORIZ. 1 : 100
VERT. 1 : 50



AMENDMENTS			 Peter Berry & Associates Pty. Ltd.		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
							Civil Engineers
	26.06.20	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2			
	11.03.20	ISSUED FOR CONSTRUCTION	SURVEYED				REFERENCE 1503 ^E / ₂
	06.11.19	VERSION A (PRELIMINARY)	DESIGNED P.J.B				
DATE	DESCRIPTION	DRAWN C.S.					

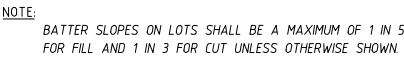
A1	1 : 100	2	1	0	2	4	6	METRES
	1 : 50	1	0.5	0	1	2	3	

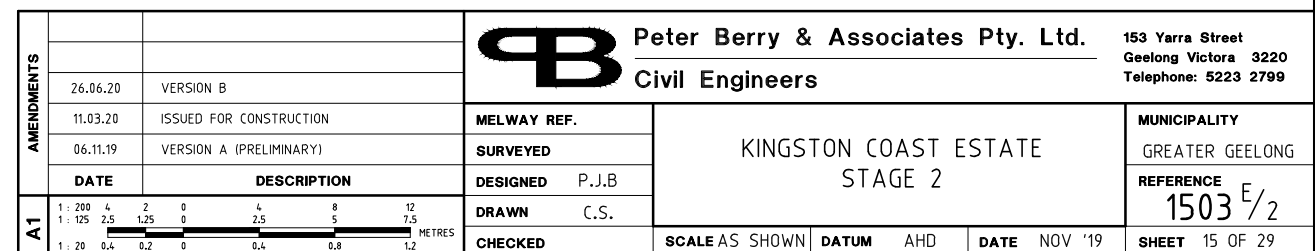
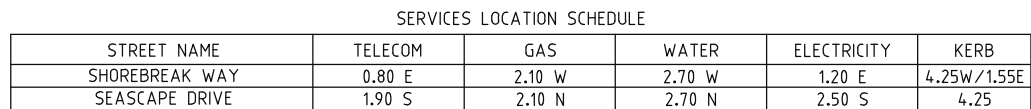
CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	NOV '19
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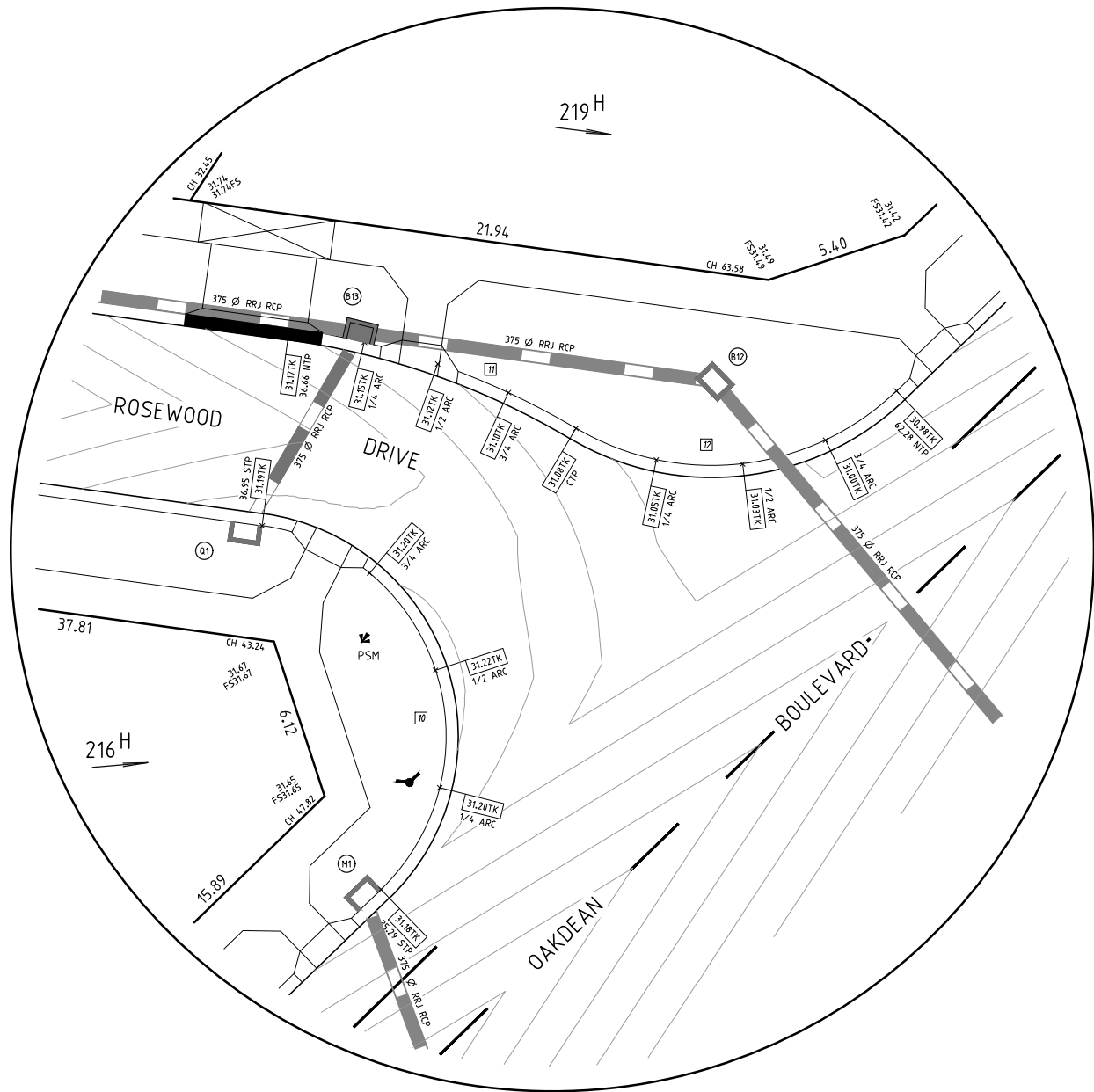


NTP STP

AMENDMENTS			 Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	11.03.20	ISSUED FOR CONSTRUCTION					MELWAY REF.	KINGSTON COAST ESTATE STAGE 2
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED	REFERENCE 1503 E/2				
	DATE	DESCRIPTION	DESIGNED P.J.B					
A1			DRAWN C.S.					
			CHECKED	SCALE AS SHOWN	DATUM AHD	DATE NOV '19	SHEET 14 OF 29	



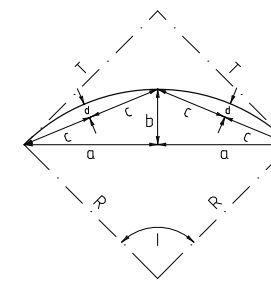




INTERSECTION DETAIL

SCALE (A1) 1 : 125

CONTOUR INTERVAL 0.05 m

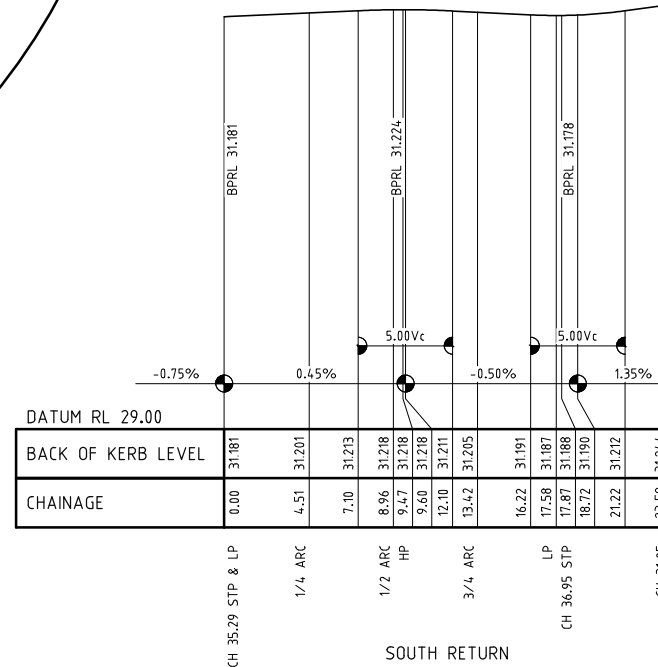


CURVE SETOUT DETAIL
(NOT TO SCALE)

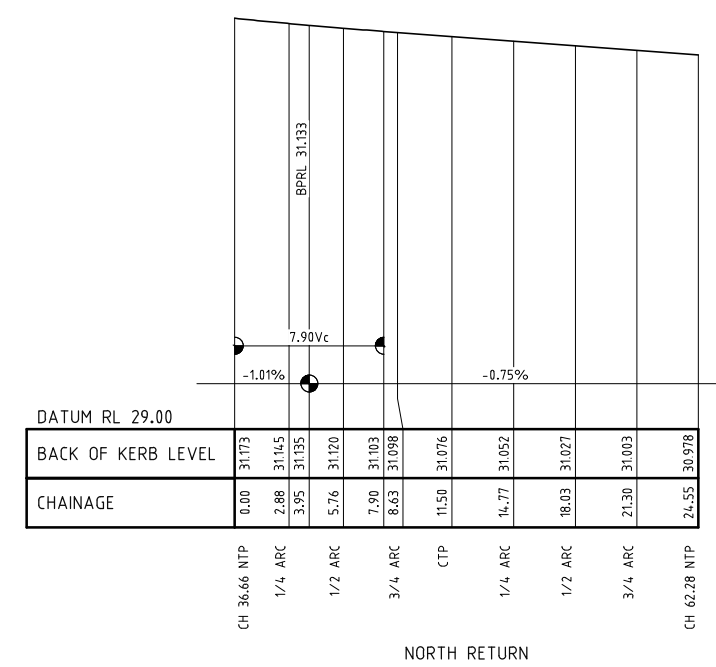
CURVE SETOUT TABLE

CURVE	RADIUS (m)	L	T	ARC	a	b	c	d
10	8.00	128°09'07"	16.458	17.893	7.195	4.503	4.244	1.218
11	28.75	22°54'47"	5.827	11.497	5.710	0.573	2.870	0.144
12	10.00	74°45'40"	7.640	13.048	6.071	2.054	3.205	0.527

NOTE: ALL CURVE RADN LABELLED THIS - 1 ARE TO BACK OF KERB



SOUTH RETURN
SCALES - HORIZ. 1 : 200
VERT. 1 : 20



NORTH RETURN
SCALES - HORIZ. 1 : 200
VERT. 1 : 20

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
OAKDEAN BOULEVARD	1.90 S	2.10 N	2.70 N	2.50 S	4.00
ROSEWOOD DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25

AMENDMENTS

26.06.20	VERSION B
11.03.20	ISSUED FOR CONSTRUCTION
06.11.19	VERSION A (PRELIMINARY)
DATE	DESCRIPTION

A1

1 : 200	4	2	0	4	8	12
1 : 125	2.5	1.25	0	2.5	5	7.5
1 : 20	0.4	0.2	0	0.4	0.8	1.2

PB

Peter Berry & Associates Pty. Ltd.

Civil Engineers

153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799

MELWAY REF.

SURVEYED

DESIGNED P.J.B

DRAWN C.S.

CHECKED

KINGSTON COAST ESTATE
STAGE 2

SCALE AS SHOWN

DATUM AHD

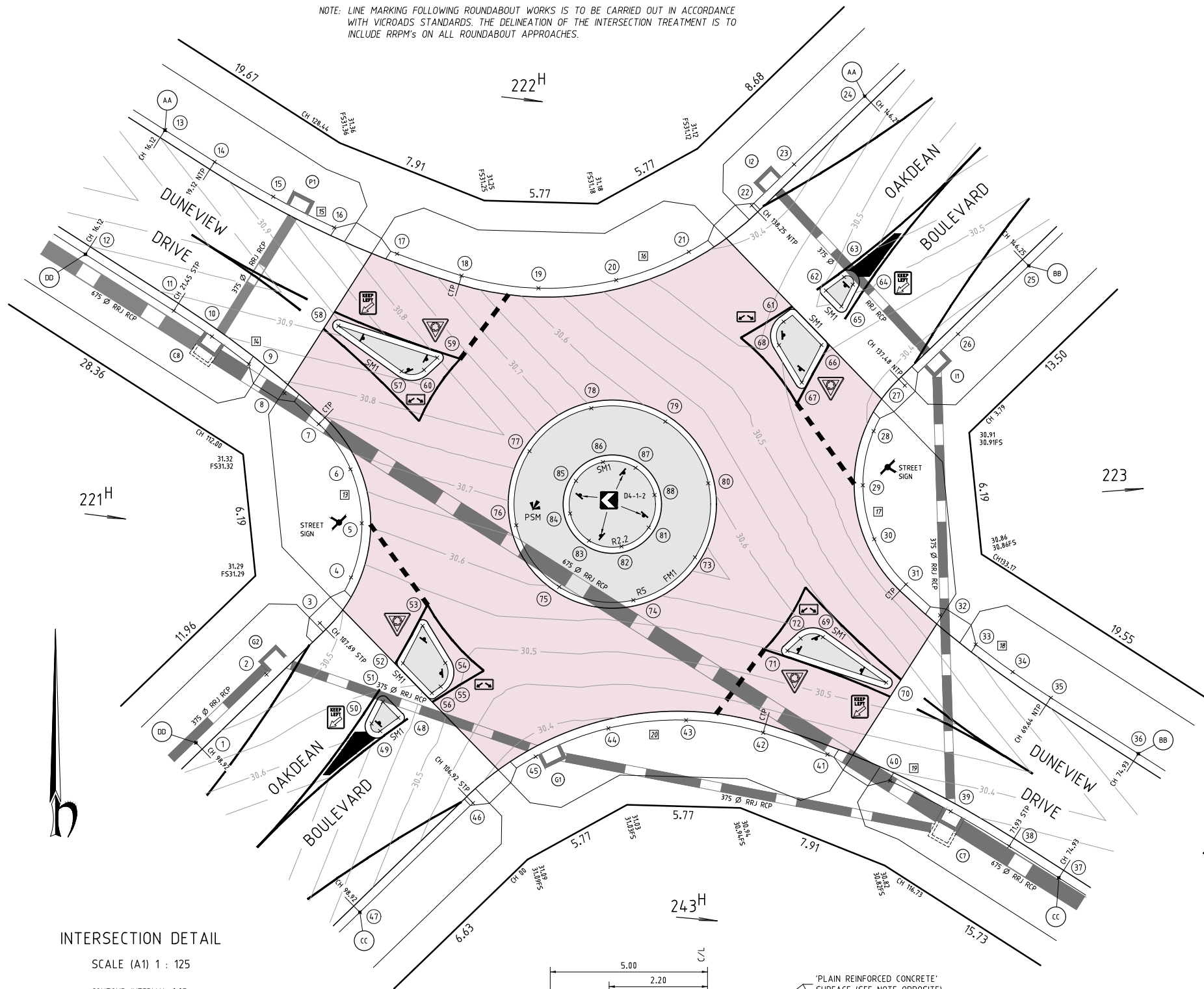
DATE NOV '19

MUNICIPALITY
GREATER GEELONG

REFERENCE
1503 E/2

SHEET 17 OF 29

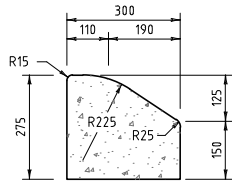
NOTE: LINE MARKING FOLLOWING ROUNDABOUT WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH VICROADS STANDARDS. THE DELINEATION OF THE INTERSECTION TREATMENT IS TO INCLUDE RRPM'S ON ALL ROUNDABOUT APPROACHES.



INTERSECTION DETAIL

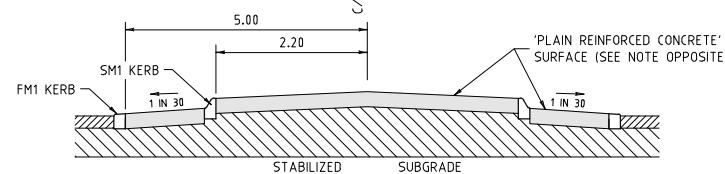
SCALE (A1) 1 : 125

CONTOUR INTERVAL 0.05 m



SM1 KERB SECTION
(NOT TO SCALE)

SEE NOTE i) RIGHT



TYPICAL SECTION - ROUNDABOUT
(NOT TO SCALE)

PAVEMENT COMPOSITION (CONCRETE ROUNDABOUT/TRAFFIC ISLAND INFILLS) -

- 175mm COMPACTED DEPTH REINFORCED (F72 MESH), 32MPa CONCRETE, VIBRATED AND PROPERLY CURED IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARD CODE.
 - 150mm COMPACTED DEPTH CLASS 3 20mm FCR.
- a) REINFORCEMENT IS TO BE ADEQUATELY SUPPORTED BY APPROPRIATE SIZED CHAIRS PRIOR TO THE POURING/PLACEMENT OF CONCRETE.
- b) CONCRETE PAVEMENT TO BE CAST MONOLITHICALLY.

KERB SETOUT SCHEDULE

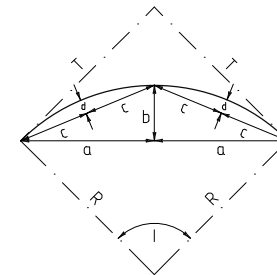
POINT No	EASTING	NORTHING	ELEVATION
1	2168.851	801.253	30.630
2	2172.445	804.728	30.576
3	2175.152	807.345	30.593
4	2176.739	809.663	30.640
5	2177.286	812.417	30.717
6	2176.708	815.165	30.794
7	2175.095	817.465	30.858
8	2173.355	819.034	30.902
9	2171.544	820.520	30.938
10	2169.665	821.920	30.968
11	2167.722	823.230	30.997
12	2163.232	826.106	31.059
13	2167.279	832.422	31.059
14	2169.805	830.803	31.024
15	2172.786	829.832	30.979
16	2175.882	827.472	30.924
17	2179.080	826.130	30.859
18	2182.363	825.813	30.785
19	2186.282	824.378	30.689
20	2190.230	824.794	30.593
21	2193.931	826.231	30.522
22	2197.125	828.588	30.490
23	2199.282	830.674	30.491
24	2202.876	834.148	30.526
25	2211.217	825.521	30.526
26	2207.623	822.046	30.497
27	2204.915	819.428	30.498
28	2203.329	817.111	30.511
29	2202.781	814.357	30.525
30	2203.360	811.608	30.538
31	2204.972	809.309	30.541
32	2206.712	807.740	30.532
33	2208.523	806.254	30.514
34	2210.402	804.855	30.489
35	2212.344	803.545	30.463
36	2216.796	800.693	30.405
37	2212.750	794.378	30.405
38	2210.224	795.996	30.438
39	2207.252	797.759	30.476
40	2204.165	799.312	30.508
41	2200.978	800.648	30.528
42	2197.706	801.761	30.535
43	2193.787	802.396	30.526
44	2189.838	801.981	30.507

POINT No	EASTING	NORTHING	ELEVATION
45	2186.138	800.544	30.497
46	2182.943	798.186	30.518
47	2177.191	792.626	30.630
48	2179.147	802.525	30.693
49	2178.227	801.847	30.711
50	2177.783	802.227	30.707
51	2178.361	803.335	30.689
52	2179.384	805.297	30.659
53	2180.380	807.208	30.640
54	2181.538	805.307	30.646
55	2181.303	804.114	30.641
56	2180.853	803.782	30.652
57	2179.316	820.150	30.980
58	2176.096	822.465	31.032
59	2181.125	820.843	30.915
60	2180.453	820.221	30.961
61	2198.750	822.673	30.589
62	2200.904	824.265	30.627
63	2201.823	824.944	30.637
64	2202.268	824.565	30.632
65	2201.691	823.456	30.613
66	2200.671	821.493	30.588
67	2199.677	819.581	30.557
68	2198.517	821.480	30.590
69	2200.750	806.625	30.701
70	2203.970	804.310	30.664
71	2198.941	805.932	30.670
72	2199.613	806.554	30.711
73	2194.243	810.690	30.719
74	2191.102	808.503	30.627
75	2187.335	809.178	30.641
76	2185.149	812.318	30.712
77	2185.823	816.085	30.836
78	2188.964	818.272	30.697
79	2192.731	817.597	30.641
80	2194.917	814.457	30.642
81	2191.885	812.201	30.926
82	2190.504	811.238	30.836
83	2188.846	811.535	30.850
84	2187.884	812.917	30.921
85	2188.181	814.574	31.042
86	2189.562	815.537	30.906
87	2191.220	815.240	30.849
88	2192.182	813.858	30.851

PAVEMENT SHOWN THUS TO CONSIST OF:

- 50mm COMPACTED DEPTH 10mm TYPE H ASPHALT
- PRIME AS SPECIFIED
- 140mm COMPACTED DEPTH 20mm CLASS 2 FCR
- 330mm COMPACTED DEPTH 20mm CLASS 3 FCR (2 LAYERS)

SUBGRADE IMPROVEMENT IF REQUIRED



CURVE SETOUT DETAIL
(NOT TO SCALE)



CURVE SETOUT TABLE

CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
13	7.00	92°34'38"	7.322	11.310	5.060	2.163	2.751	0.563
14	50.00	10°44'27"	4.700	9.373	4.680	0.219	2.342	0.055
15	50.00	15°53'51"	6.982	13.874	6.915	0.480	3.466	0.120
16	15.00	60°50'09"	8.807	15.927	7.595	2.065	3.935	0.525
17	7.00	92°34'47"	7.322	11.311	5.060	2.163	2.751	0.563
18	50.00	10°44'18"	4.699	9.371	4.679	0.219	2.342	0.055
19	50.00	15°50'34"	6.957	13.825	6.891	0.477	3.454	0.119
20	15.00	60°50'22"	8.807	15.928	7.595	2.065	3.935	0.525

NOTE: ALL CURVE RADII LABELLED THUS - [1] ARE TO BACK OF KERB

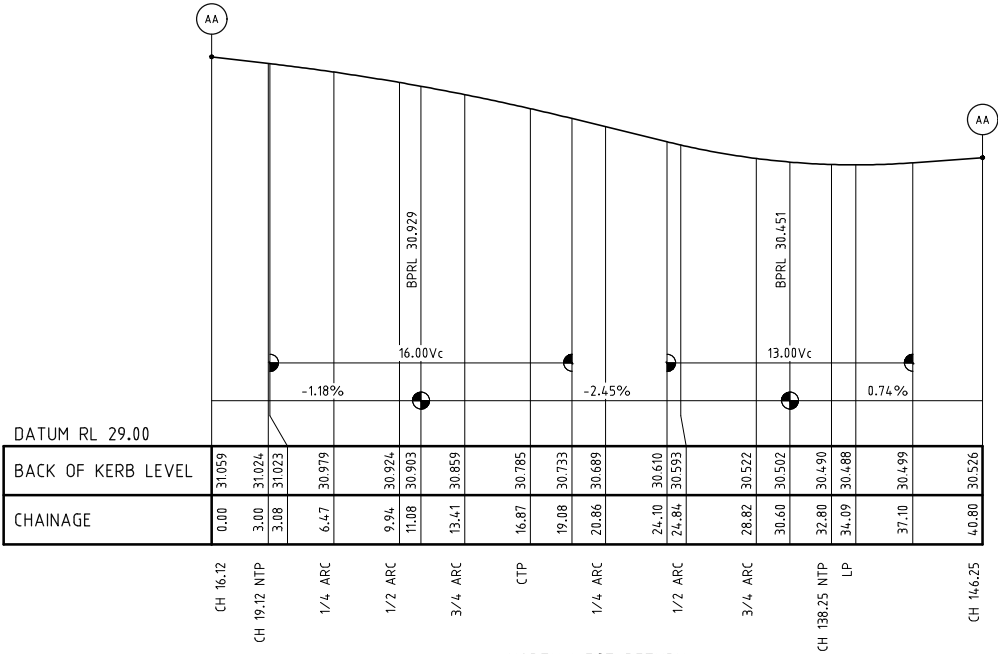
SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
OAKDEAN BOULEVARD	1.90 S	2.10 N	2.70 N	2.50 S	4.00
DUNEVIEW DRIVE	1.90 N	2.10 S	2.70 S	2.50 N	4.25

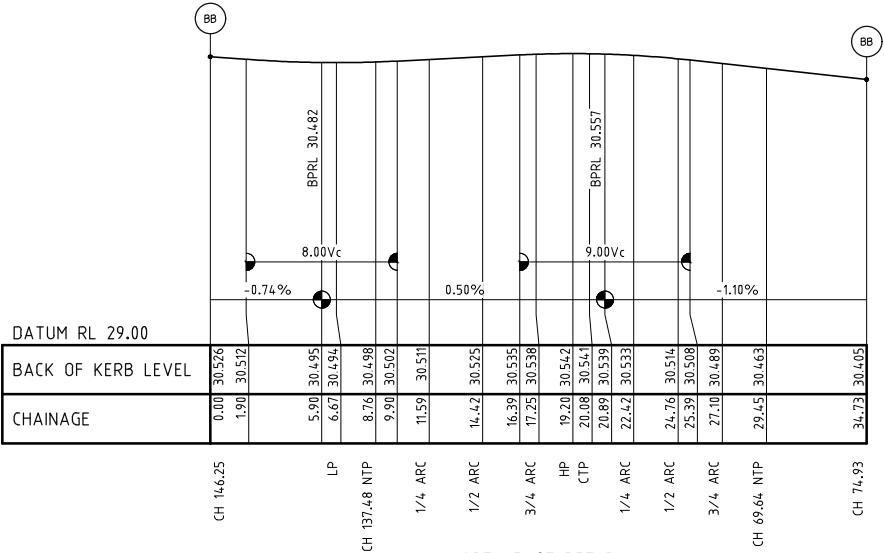
AMENDMENTS			 Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799				
	26.06.20	VERSION B									
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2				MUNICIPALITY			
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED					GREATER GEELONG			
DATE	DESCRIPTION	DESIGNED P.J.B	REFERENCE								
A1			DRAWN C.S.	SCALE AS SHOWN				DATUM	AHD	DATE NOV '19	SHEET 18 OF 29
			CHECKED								

Peter Berry & Associates Pty. Ltd.
Civil Engineers

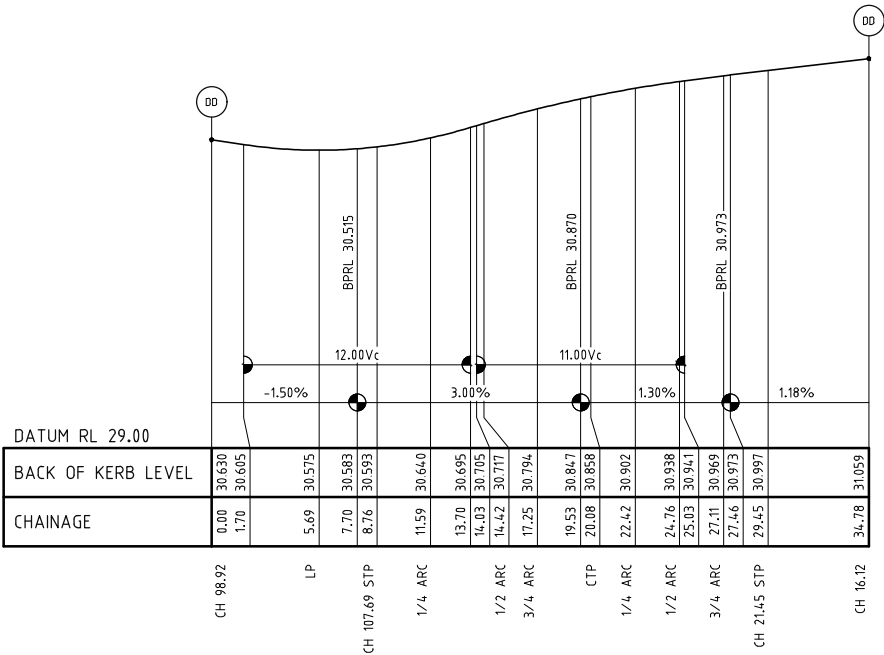
153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799



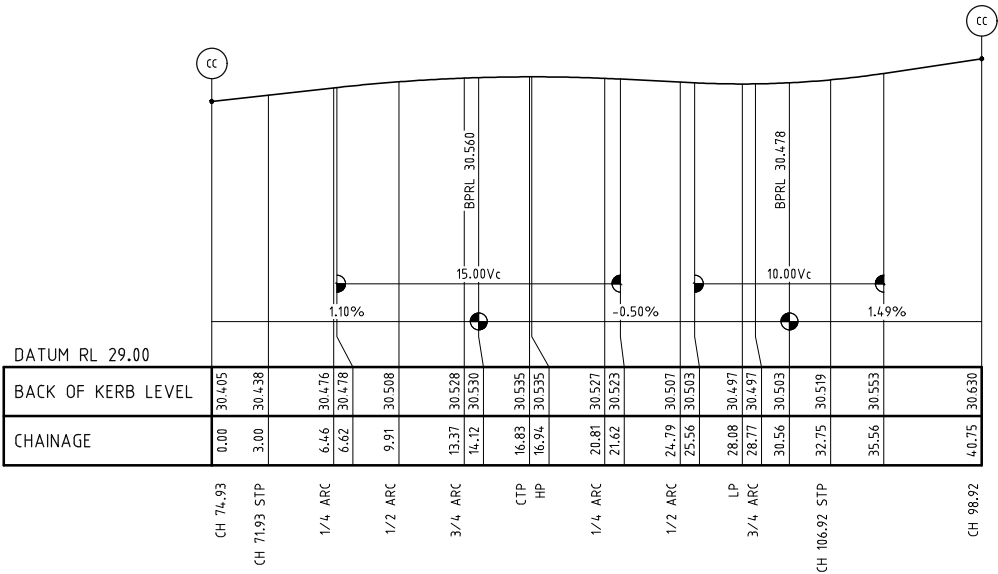
NORTH WEST RETURN
SCALES - HORIZ. 1 : 200
VERT. 1 : 20



NORTH EAST RETURN
SCALES - HORIZ. 1 : 200
VERT. 1 : 20

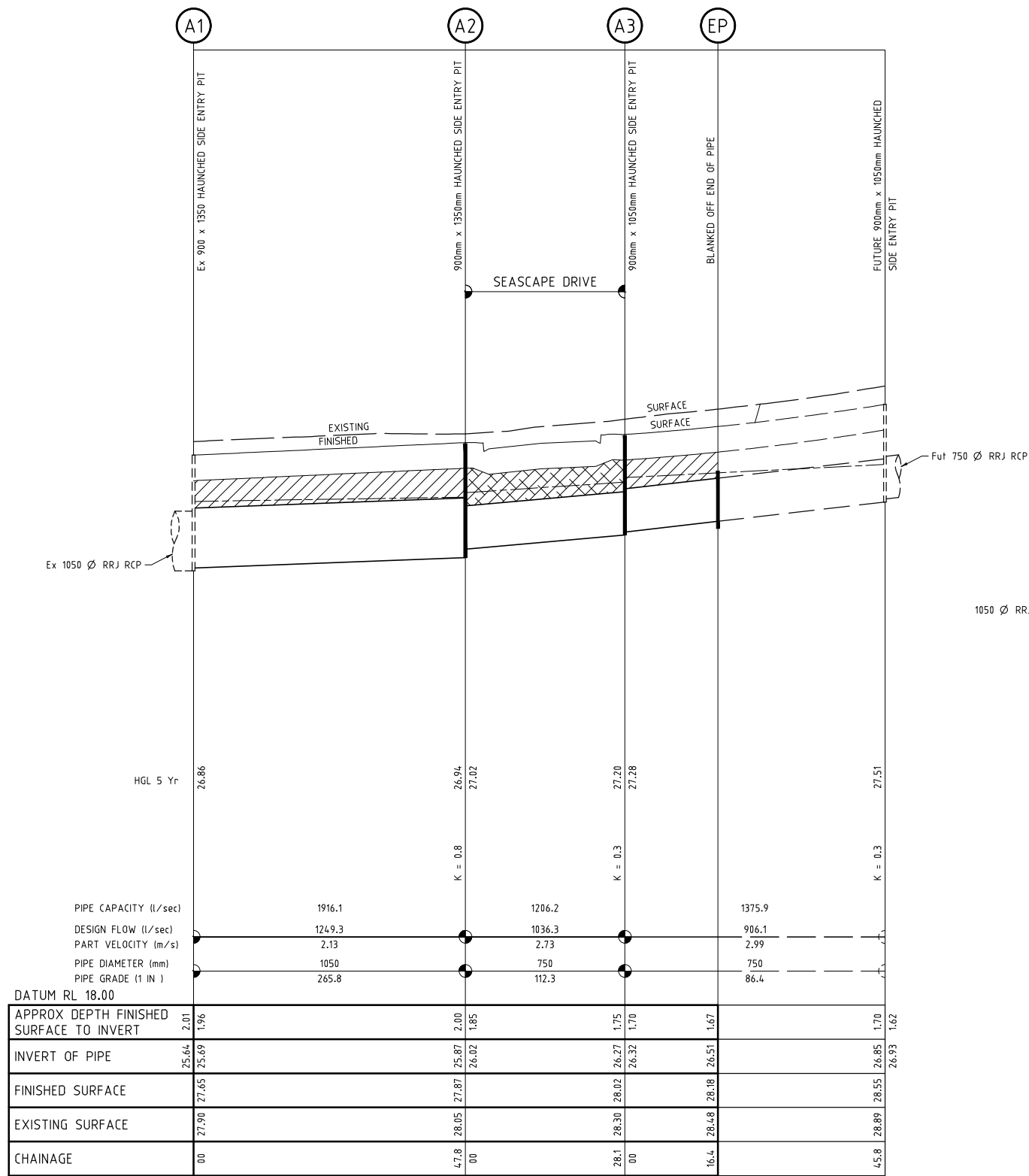


SOUTH WEST RETURN
SCALES - HORIZ. 1 : 200
VERT. 1 : 20

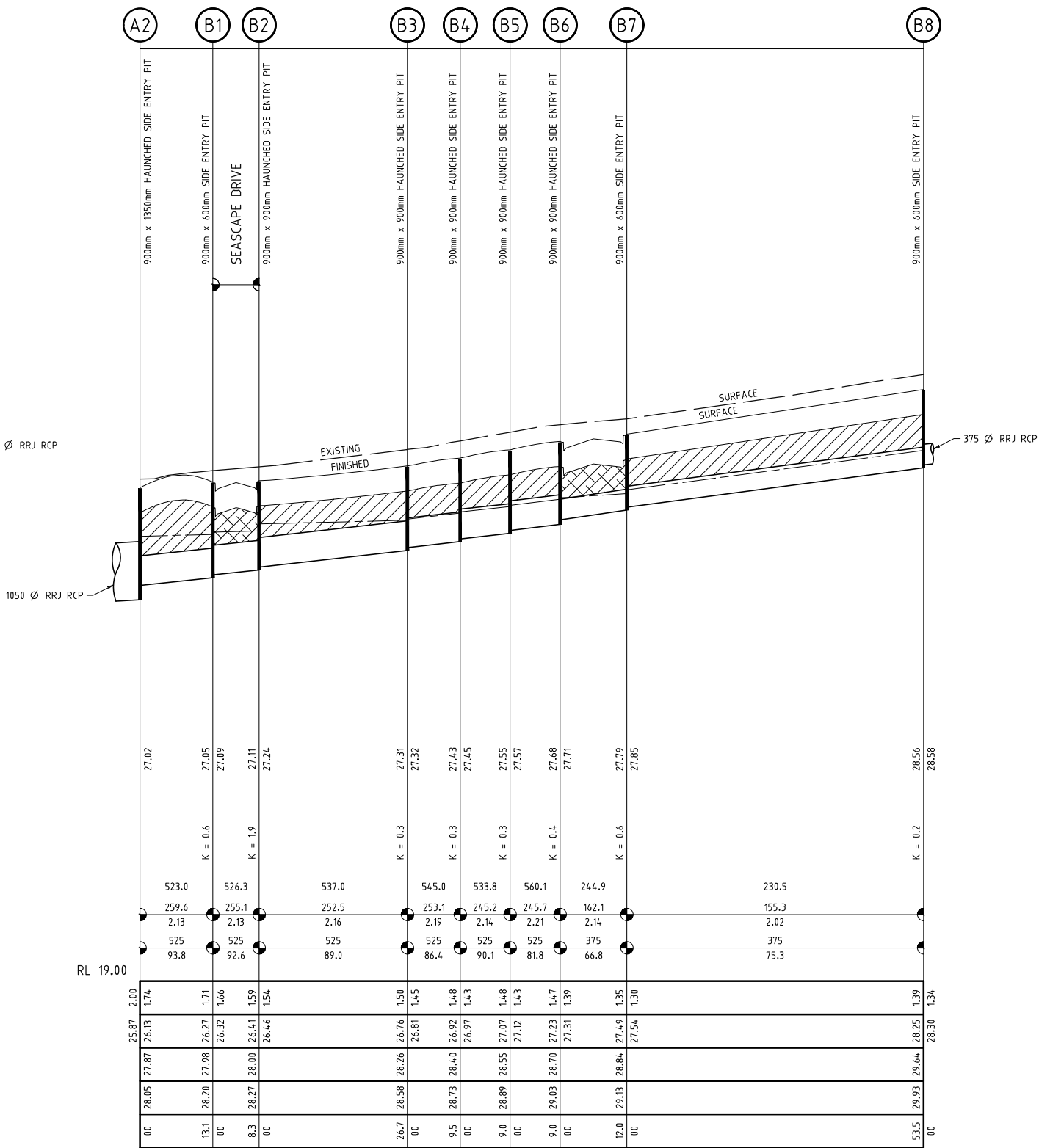


SOUTH EAST RETURN
SCALES - HORIZ. 1 : 200
VERT. 1 : 20

AMENDMENTS				Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799
	11.03.20	ISSUED FOR CONSTRUCTION			
	06.11.19	VERSION A (PRELIMINARY)			
	DATE	DESCRIPTION			
A1	1 : 200		MELWAY REF.	KINGSTON COAST ESTATE STAGE 2	MUNICIPALITY GREATER GEELONG
	1 : 20	0.4 0.2 0 0.4 0.8 1.2	SURVEYED		REFERENCE 1503 E/2
			DESIGNED P.J.B.		SHEET 19 OF 29
			DRAWN C.S.	SCALE AS SHOWN	DATUM AHD
			CHECKED	DATE NOV '19	



DRAINAGE



LONGITUDINAL

SECTIONS

SCALES - HORIZ. 1 : 500
VERT. 1 : 50

NOTE
ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.




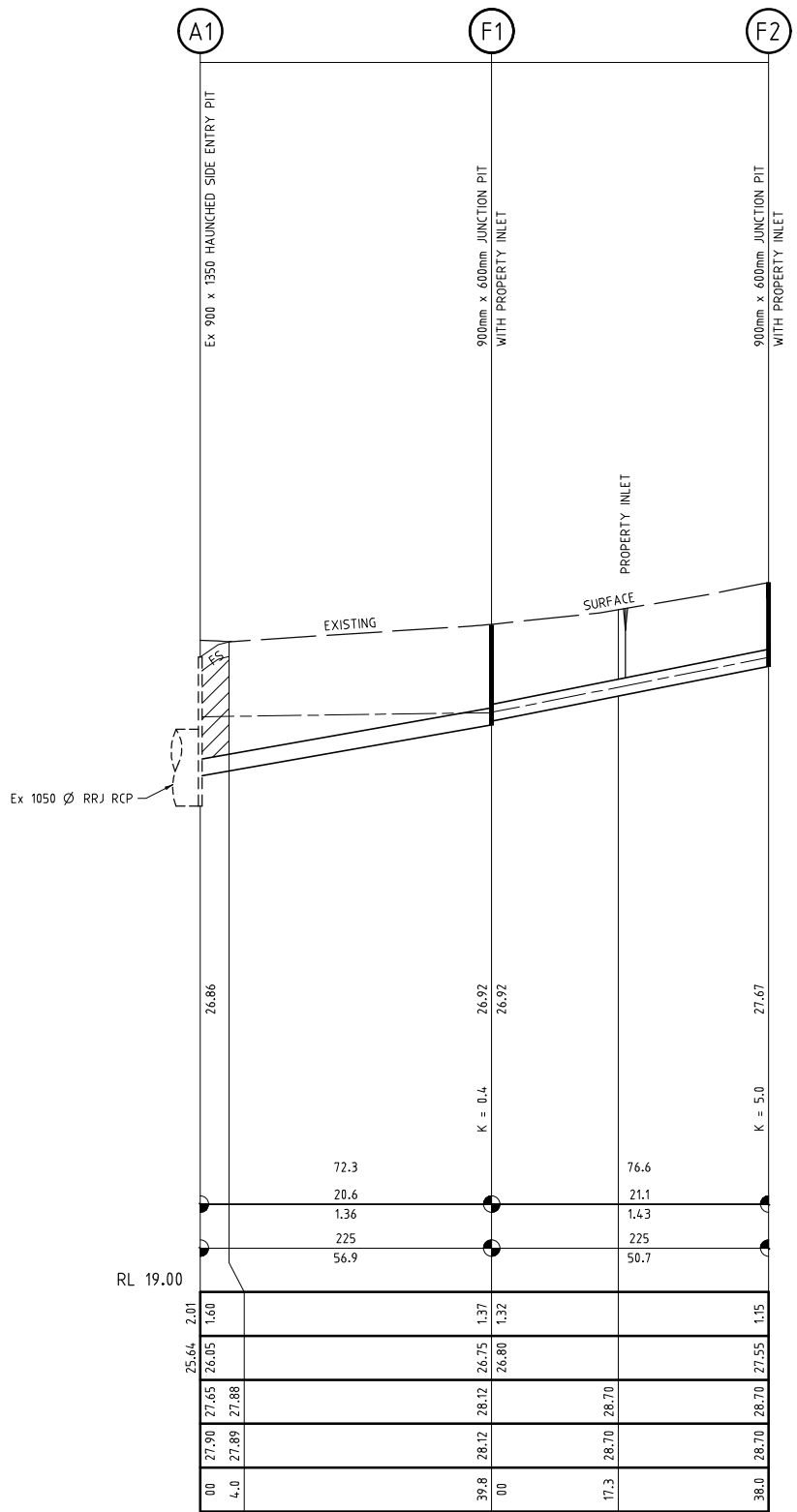
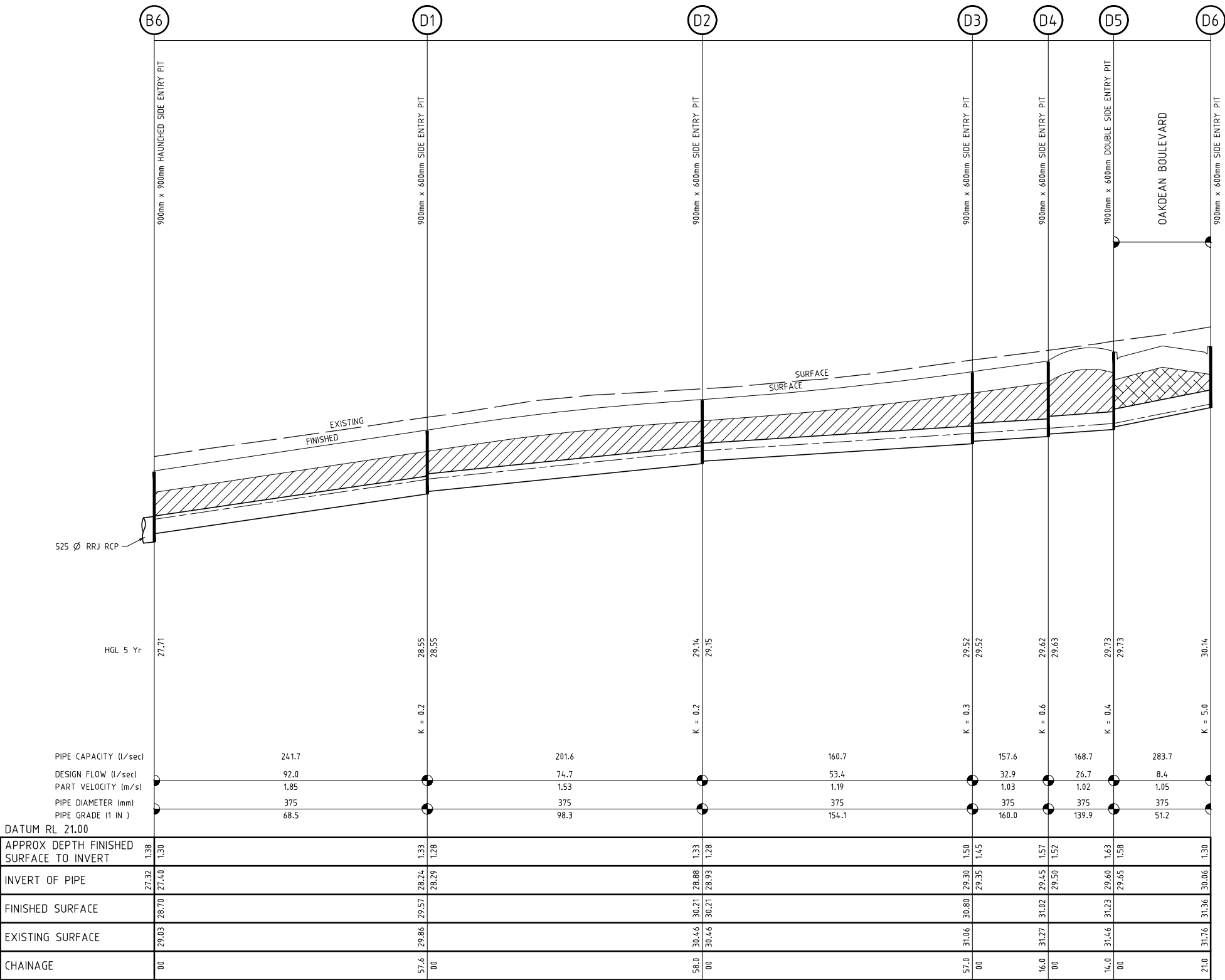
DENOTES 20mm
CLASS 3 FCR
BACKFILL



DENOTES 2% STABILIZED SAND FROM THE BOTTOM OF PIPE TO THE SPRINGLINE WITH 20mm CLASS 3 FCR PLACED FROM THE SPRINGLINE TO SUBBASE MATERIAL.

AMENDMENTS			Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED	
	DATE	DESCRIPTION	DESIGNED P.J.B	
A1	1 : 500	10 5 0 10 20 30	DRAWN C.S.	KINGSTON COAST ESTATE STAGE 2
	1 : 50	1 0.5 0 1 2 3	CHECKED	
SCALE AS SHOWN			DATUM AHD	DATE NOV '19
			MUNICIPALITY GREATER GEELONG	
			REFERENCE 1503 E/2	
			SHEET 20 OF 29	

AMENDMENTS			<div>Peter Berry & Associates Pty. Ltd. Civil Engineers</div> <div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div>				
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2			MUNICIPALITY
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED				GREATER GEELONG
DATE	DESCRIPTION	DESIGNED P.J.B	REFERENCE				
A1		DRAWN C.S.				1503 ^E / ₂	
	<div><div>1: 50010500102030</div><div>1: 5010.500123</div><div>METRES</div></div>		CHECKED	SCALE AS SHOWN	DATUM AHD	DATE NOV '19	SHEET 21 OF 29



DRAINAGE

LONGITUDINAL



SECTIONS

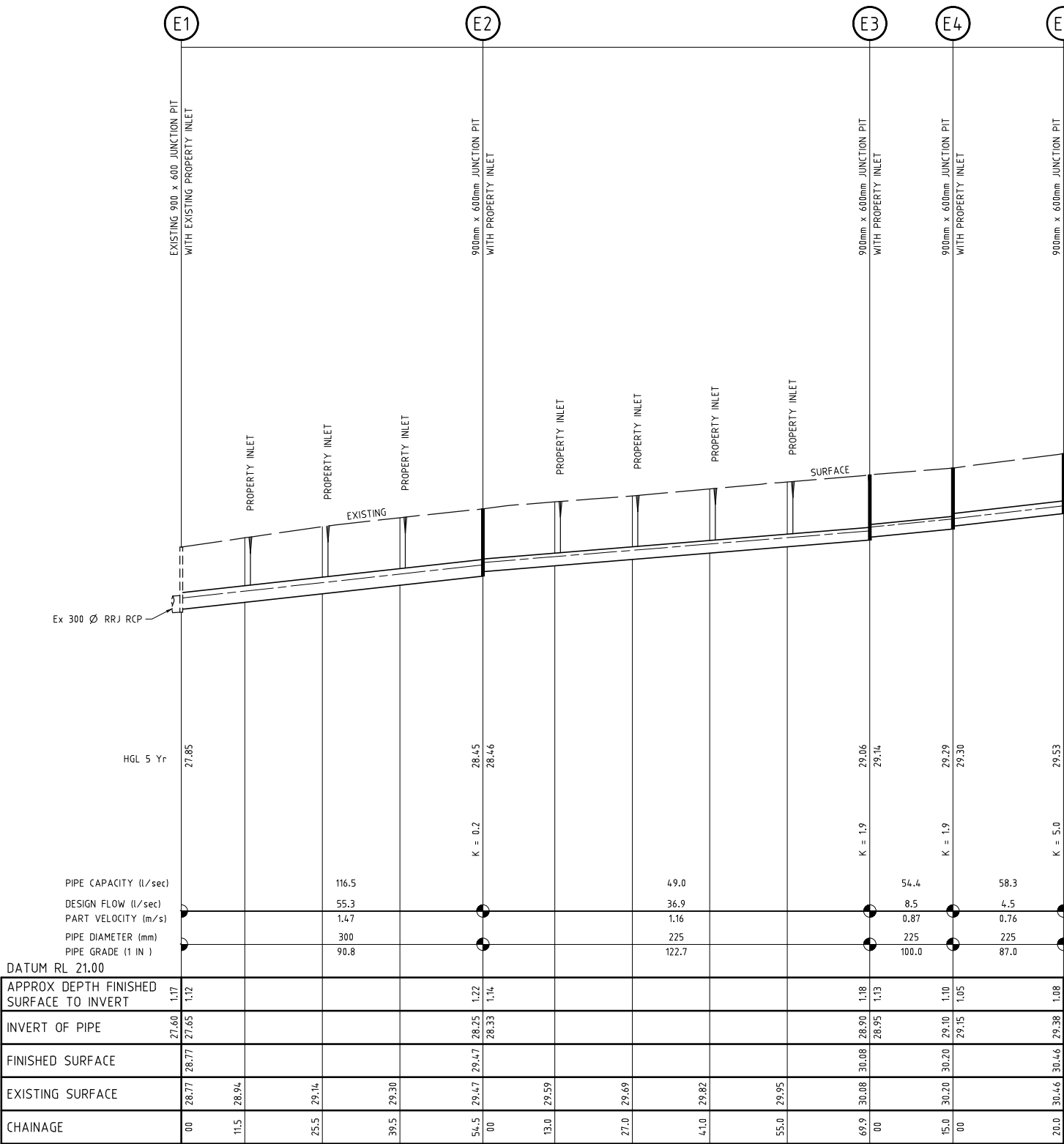
SCALES - HORIZ. 1 : 500
VERT. 1 : 50

NOTE
ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

DENOTES 20mm CLASS 3 FCR BACKFILL

DENOTES 2% STABILIZED SAND FROM THE BOTTOM OF PIPE TO THE SPRINGLINE WITH 20mm CLASS 3 FCR PLACED FROM THE SPRINGLINE TO SUBBASE MATERIAL.

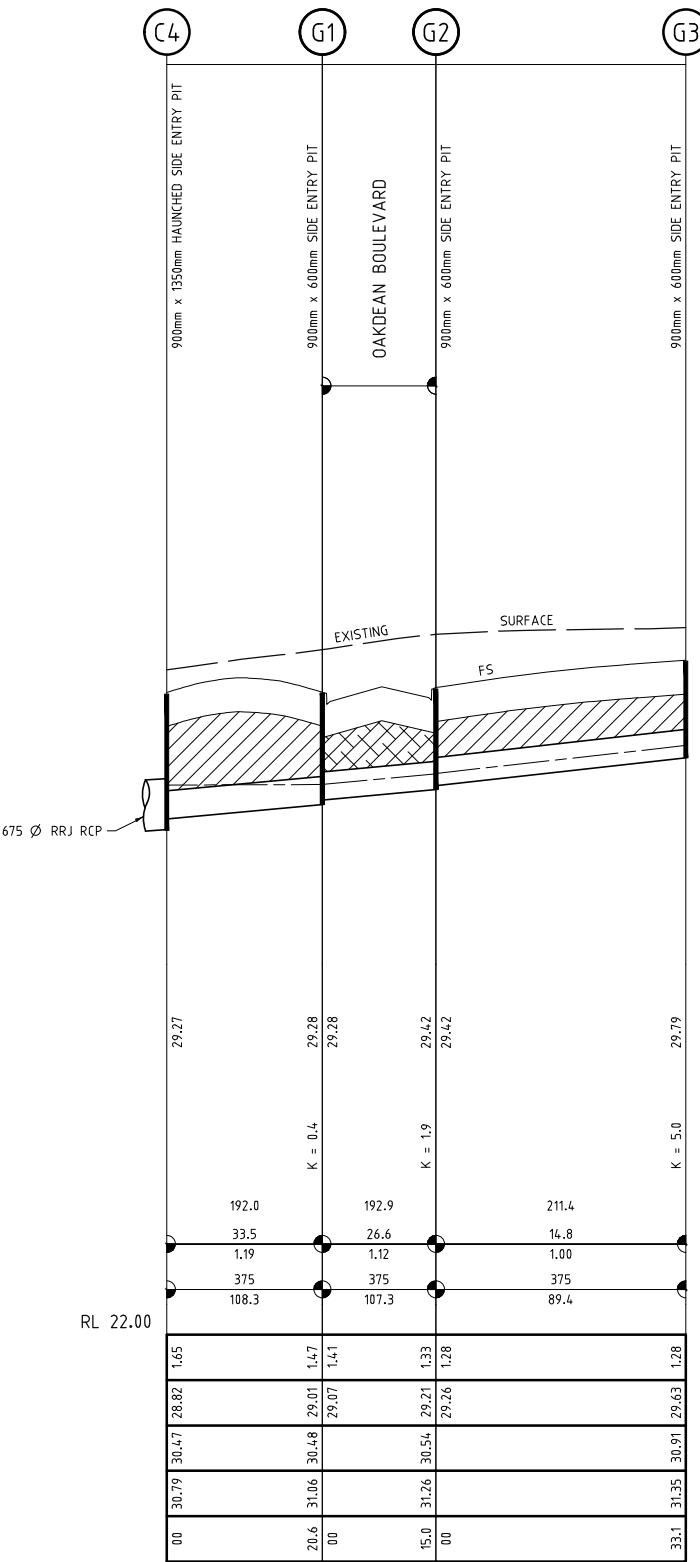
AMENDMENTS				Peter Berry & Associates Pty. Ltd.				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
										Civil Engineers
	26.06.20	VERSION B								
	11.03.20	ISSUED FOR CONSTRUCTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 2				MUNICIPALITY GREATER GEELONG	
	06.11.19	VERSION A (PRELIMINARY)		SURVEYED					REFERENCE 1503 ^E / ₂	
DATE	DESCRIPTION	DESIGNED P.J.B.	DRAWN C.S.							
A1			DRAWN C.S.	SCALE AS SHOWN				DATUM AHD	DATE NOV '19	SHEET 23 OF 29
			CHECKED							



DRAINAGE

LONGITUDINAL

SCALES - HORIZ. 1 : 500
VERT. 1 : 50





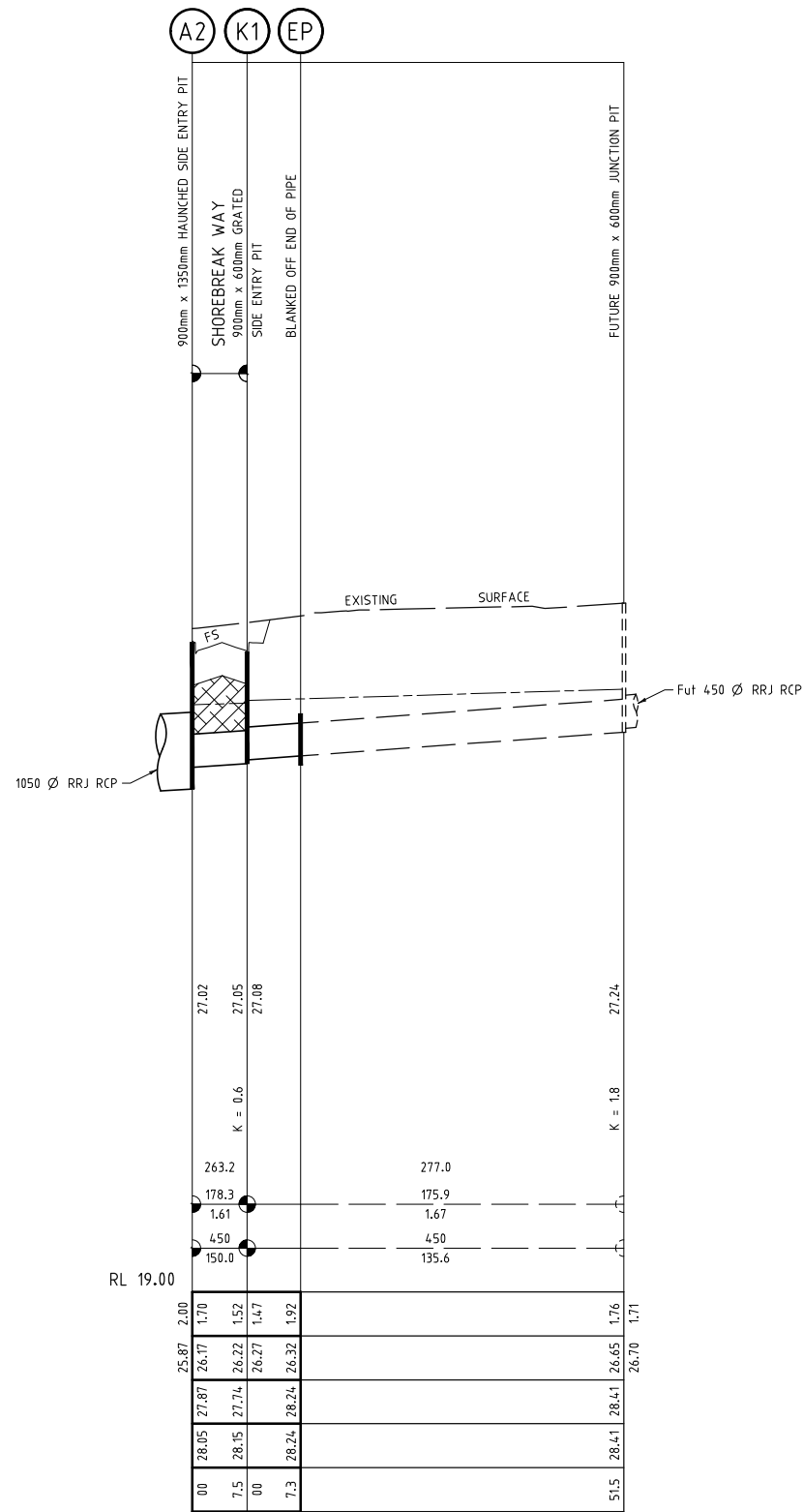
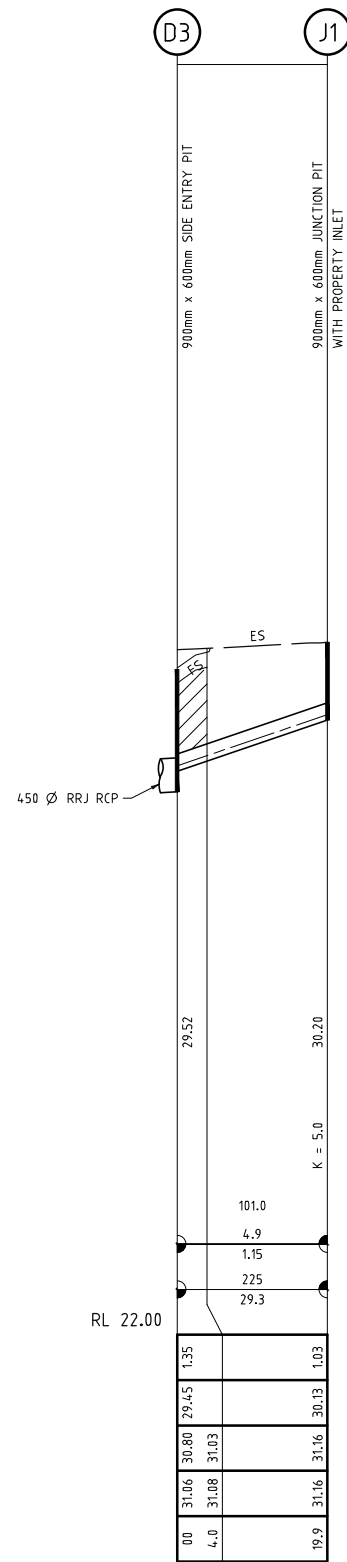
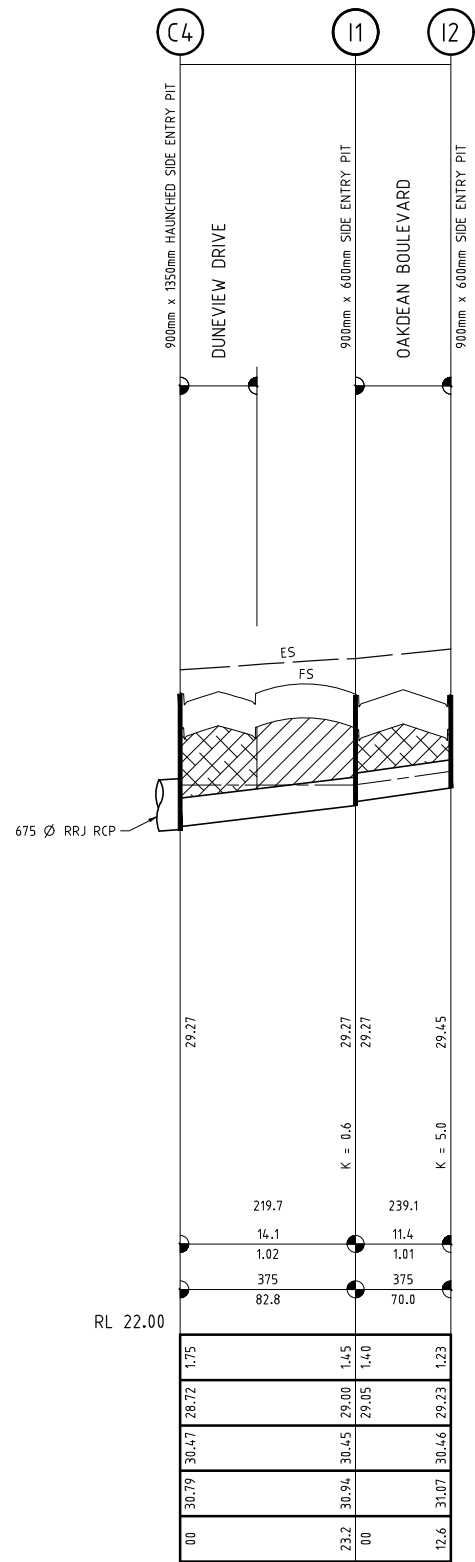
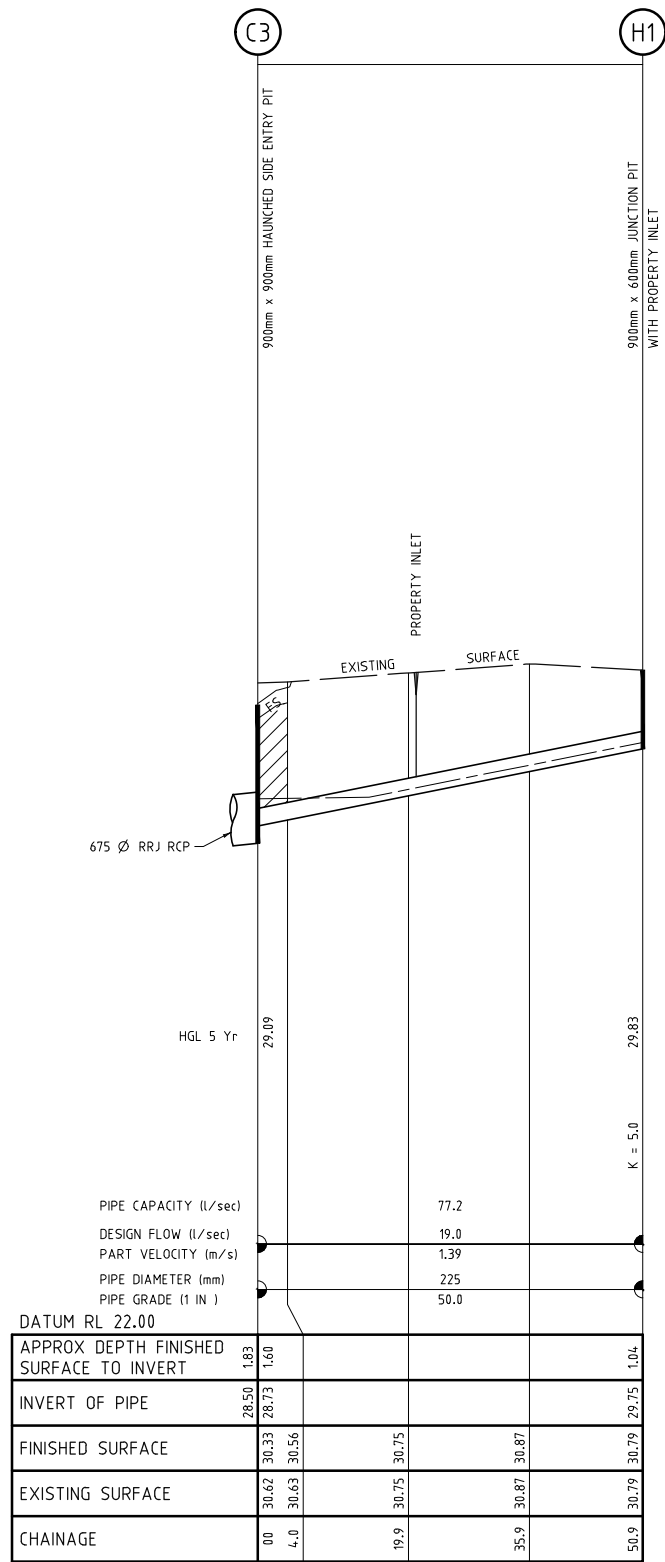
SECTIONS

NOTE
ALL SUMPS IN PRECAST PITS ARE TO BE FILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

DENOTES 20mm CLASS 3 FCR BACKFILL

DENOTES 2% STABILIZED SAND FROM THE BOTTOM OF PIPE TO THE SPRINGLINE WITH 20mm CLASS 3 FCR PLACED FROM THE SPRINGLINE TO SUBBASE MATERIAL.

AMENDMENTS				Peter Berry & Associates Pty. Ltd. Civil Engineers			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2				MUNICIPALITY	
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED					GREATER GEELONG	
	DATE	DESCRIPTION	DESIGNED P.J.B					REFERENCE	
A1			DRAWN C.S.					1503 E/2	
			CHECKED					SHEET 24 OF 29	
				SCALE AS SHOWN	DATUM	AHD	DATE	NOV '19	



DRAINAGE

LONGITUDINAL

SECTIONS

SCALES - HORIZ. 1 : 500
VERT. 1 : 50

NOTE
ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

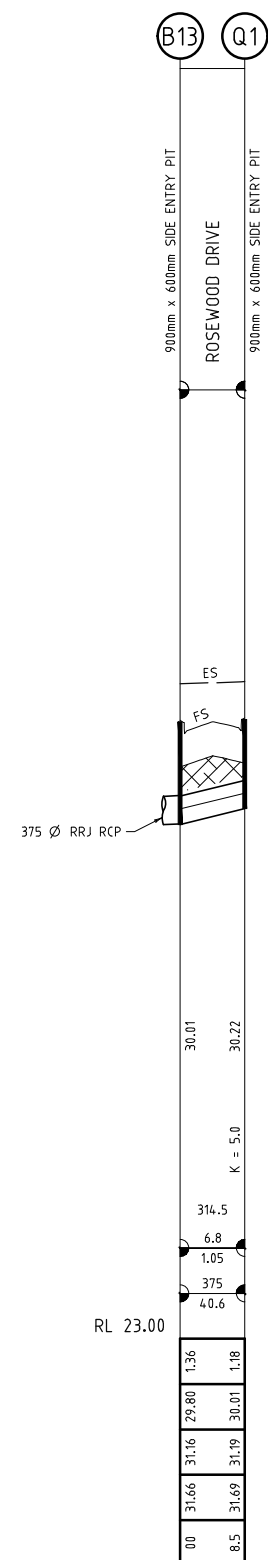
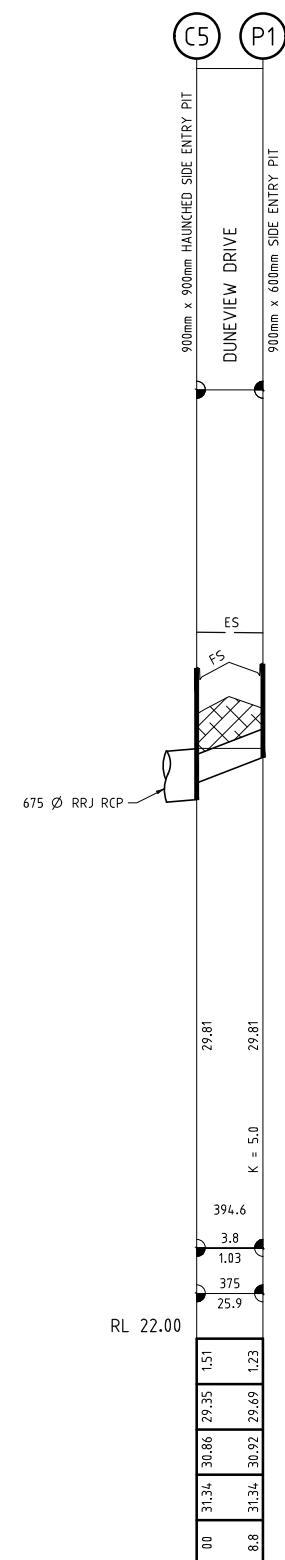
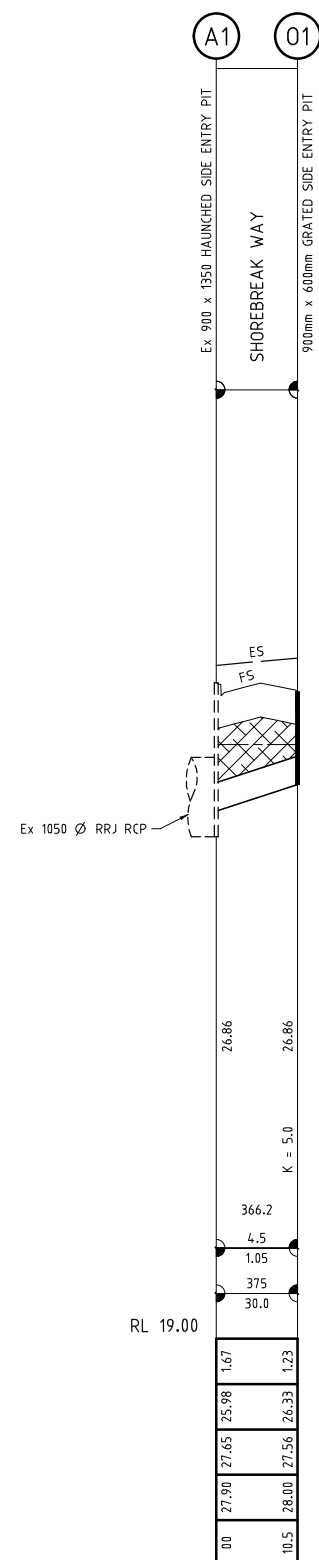
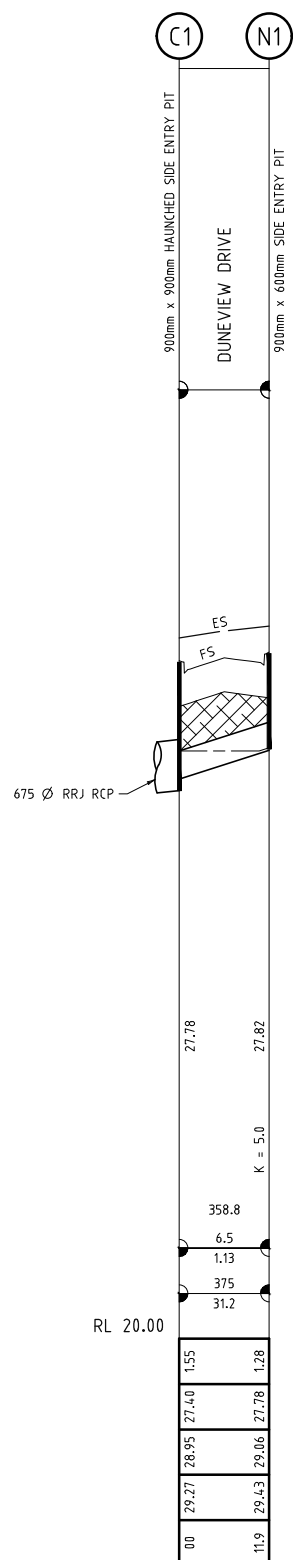
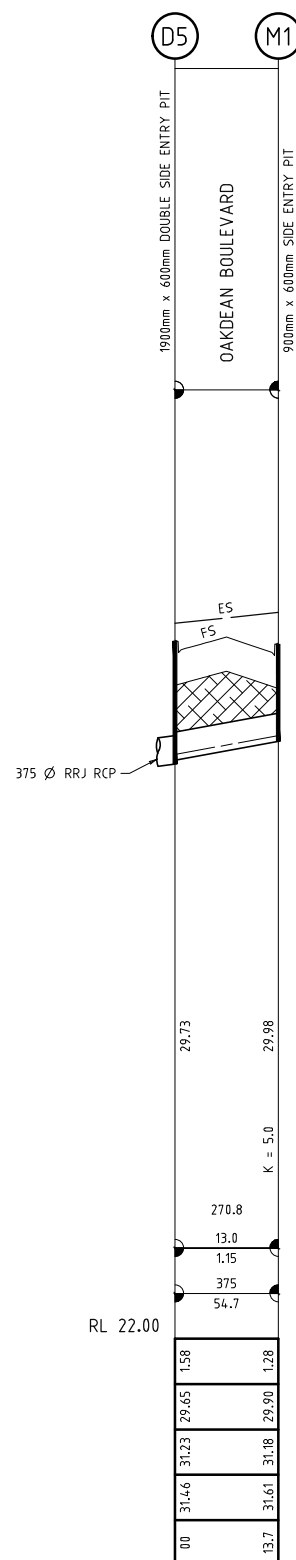


DENOTES 20mm CLASS 3 FCR BACKFILL





DENOTES 2% STABILIZED SAND FROM THE BOTTOM OF PIPE TO THE SPRINGLINE WITH 20mm CLASS 3 FCR PLACED FROM THE SPRINGLINE TO SUBBASE MATERIAL.


AMENDMENTS			<div><div><div></div></div><div>Peter Berry & Associates Pty. Ltd. Civil Engineers</div></div>			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	26.06.20	VERSION B				KINGSTON COAST ESTATE STAGE 2	MUNICIPALITY GREATER GEELONG
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	SURVEYED	DESIGNED P.J.B		
	06.11.19	VERSION A (PRELIMINARY)	DATE	DESCRIPTION	DRAWN C.S.	REFERENCE 1503 E/2	SHEET 25 OF 29
	A1	1 : 500 10 5 0 10 20 30 1 : 50 1 0.5 0 1 2 3	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE NOV '19	



SECTIONS


 DENOTES 20mm
CLASS 3 FCR
BACKFILL


 DENOTES 2% STABILIZED SAND FROM THE BOTTOM OF PIPE
TO THE SPRINGLINE WITH 20mm CLASS 3 FCR PLACED FROM
THE SPRINGLINE TO SUBBASE MATERIAL.

AMENDMENTS			<div></div> <div>Peter Berry & Associates Pty. Ltd.</div> <div>Civil Engineers</div>		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	11.03.20	ISSUED FOR CONSTRUCTION			MELWAY REF.	KINGSTON COAST ESTATE STAGE 2	MUNICIPALITY GREATER GEELONG	
	06.11.19	VERSION A (PRELIMINARY)			SURVEYED		REFERENCE 1503 E ₁ / ₂	
	DATE	DESCRIPTION			DESIGNED P.J.B			
A1	<div><div>1 : 500</div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></di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PIT SCHEDULE										
PIT No.	PIT TYPE	LENGTH	WIDTH	INLET	PIPE Ø	OUTLET	PIPE Ø	FINISHED SURFACE R.L.	PIT DEPTH	IDM STANDARD DRAWING
		mm	mm	I.L.	mm	I.L.	mm	m	m	
A1	EXISTING HAUNCHED SIDE ENTRY PIT	900	1350	26.05	225	25.64	1050	27.65	2.01	EXISTING
				25.69	1050					
				25.98	375					
* A2	HAUNCHED SIDE ENTRY PIT	900	1350	26.02	750	25.87	1050	27.87	2.00	SD 410, 430
				26.13	525					
				26.17	450					
* A3	HAUNCHED SIDE ENTRY PIT	900	1050	26.32	750	26.27	750	28.02	1.75	SD 410, 430
EP	BLANKED OFF END OF PIPE	-	-	-	-	26.51	750	28.18	1.67	-
B1	SIDE ENTRY PIT	900	600	26.32	525	26.27	525	27.98	1.71	SD 405, 430
B2	HAUNCHED SIDE ENTRY PIT	900	900	26.46	525	26.41	525	28.00	1.59	SD 410, 430
* B3	HAUNCHED SIDE ENTRY PIT	900	900	26.81	525	26.76	525	28.26	1.50	SD 410, 430
* B4	HAUNCHED SIDE ENTRY PIT	900	900	26.97	525	26.92	525	28.40	1.48	SD 410, 430
* B5	HAUNCHED SIDE ENTRY PIT	900	900	27.12	525	27.07	525	28.55	1.48	SD 410, 430
* B6	HAUNCHED SIDE ENTRY PIT	900	900	27.31	375	27.23	525	28.70	1.47	SD 410, 430
				27.40	375					
B7	SIDE ENTRY PIT	900	600	27.54	375	27.49	375	28.84	1.35	SD 405, 430
B8	SIDE ENTRY PIT	900	600	28.30	375	28.25	375	29.64	1.39	SD 405, 430
B9	SIDE ENTRY PIT	900	600	28.90	375	28.85	375	30.26	1.41	SD 405, 430
B10	SIDE ENTRY PIT	900	600	29.35	375	29.30	375	30.98	1.68	SD 405, 430
B11	SIDE ENTRY PIT	900	600	29.48	375	29.43	375	31.02	1.59	SD 405, 430
B12	JUNCTION PIT	900	600	29.65	375	29.60	375	31.20	1.60	SD 405, 425
B13	SIDE ENTRY PIT	900	600	29.80	375	29.75	375	31.16	1.41	SD 405, 430
				29.80	375					
EP	BLANKED OFF END OF PIPE	-	-	-	-	30.53	375	31.82	1.29	-
EP	EXISTING END OF PIPE	-	-	26.25	675	26.20	675	27.85	1.65	-
* C1	HAUNCHED SIDE ENTRY PIT	900	900	27.30	675	27.25	675	28.95	1.70	SD 410, 430
				27.40	375					
* C2	HAUNCHED SIDE ENTRY PIT	900	900	28.00	675	27.95	675	29.74	1.79	SD 410, 430
				28.10	375					
* C3	HAUNCHED SIDE ENTRY PIT	900	900	28.73	225	28.50	675	30.33	1.83	SD 410, 430
				28.55	675					
* C4	HAUNCHED SIDE ENTRY PIT	900	1350	28.82	375	28.67	675	30.47	1.80	SD 410, 430
				28.72	675					
				28.72	375					
* C5	HAUNCHED SIDE ENTRY PIT	900	900	29.25	675	29.20	675	30.92	1.72	SD 410, 430
				29.35	375					
o C6	HAUNCHED JUNCTION PIT (FUTURE DSEP)	1900	900	29.60	675	29.65	675	31.40	1.75	SD 410, 430
				29.83	375					

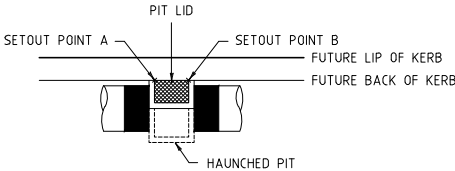
NOTE: PIT DENOTED THUS "*" IS TO BE HAUNCHED TO AN OPENING OF 900mm x 600mm (INTERNAL DIMENSIONS) WITH APPROPRIATE COVER.


PIT DENOTED THUS "o" IS TO BE HAUNCHED TO AN OPENING OF 1900mm x 600mm (INTERNAL DIMENSIONS) WITH APPROPRIATE COVER.

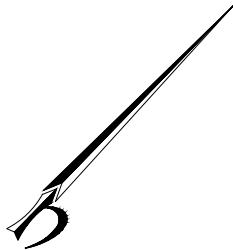
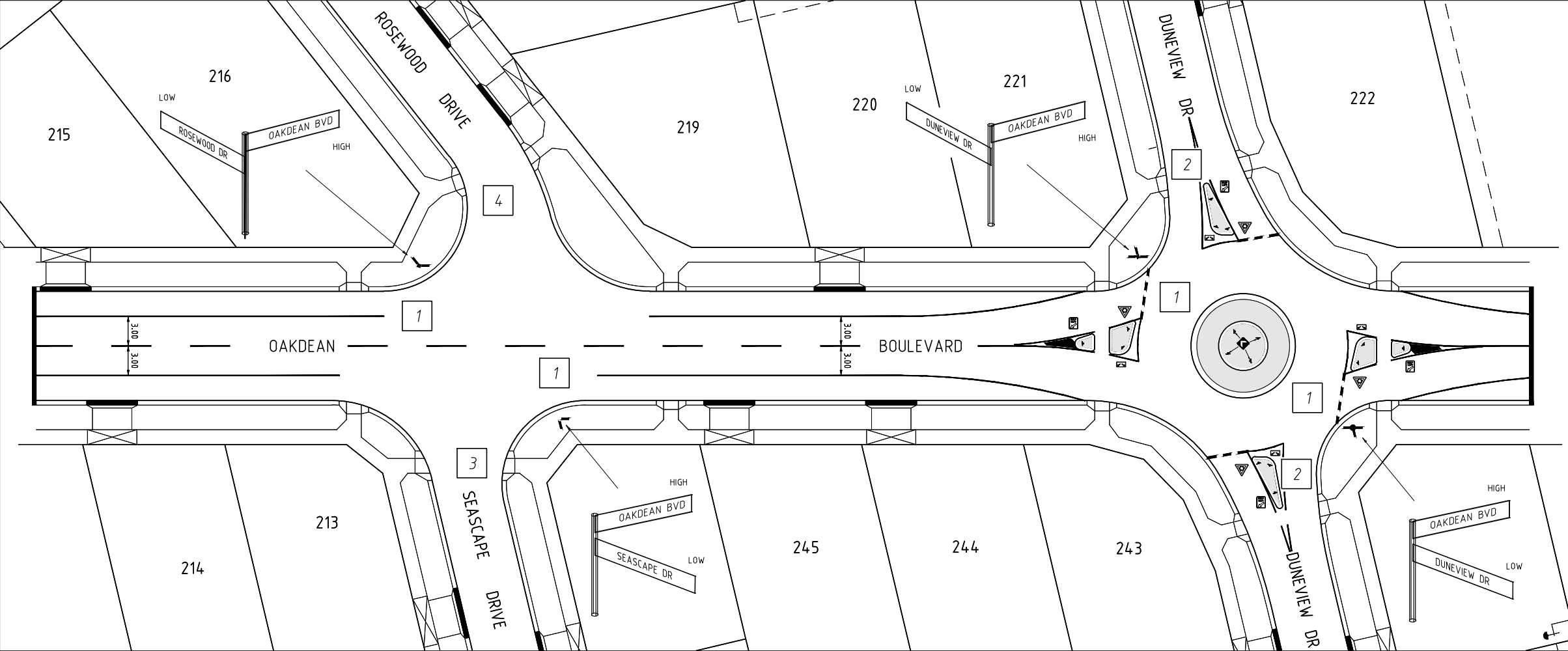
PIT SCHEDULE										
PIT No.	PIT TYPE	LENGTH	WIDTH	INLET	PIPE Ø	OUTLET	PIPE Ø	FINISHED SURFACE R.L.	PIT DEPTH	IDM STANDARD DRAWING
		mm	mm	I.L.	mm	I.L.	mm	m	m	
D1	SIDE ENTRY PIT	900	600	28.29	375	28.24	375	29.57	1.33	SD 405, 430
D2	SIDE ENTRY PIT	900	600	28.93	375	28.88	375	30.21	1.33	SD 405, 430
D3	SIDE ENTRY PIT	900	600	29.45	225	29.30	375	30.80	1.50	SD 405, 430
				29.35	375					
D4	SIDE ENTRY PIT	900	600	29.50	375	29.45	375	31.02	1.57	SD 405, 430
D5	DOUBLE SIDE ENTRY PIT	1900	600	29.65	375	29.60	375	31.23	1.63	SD 405, 445
				29.65	375					
D6	SIDE ENTRY PIT	900	600	-	-	30.06	375	31.36	1.30	SD 405, 430
E1	EXISTING JUNCTION PIT	900	600	27.55	300	27.50	300	28.77	1.27	EXISTING
E2	JUNCTION PIT	900	600	28.23	225	28.15	300	29.47	1.32	SD 405, 425
E3	JUNCTION PIT	900	600	28.95	225	28.90	225	30.08	1.18	SD 405, 425
E4	JUNCTION PIT	900	600	29.15	225	29.10	225	30.20	1.10	SD 405, 425
E5	JUNCTION PIT	900	600	-	-	29.38	225	30.46	1.08	SD 405, 425
F1	JUNCTION PIT	900	600	26.80	225	26.75	225	28.12	1.37	SD 405, 425
F2	JUNCTION PIT	900	600	-	-	27.55	225	28.70	1.15	SD 405, 425
G1	SIDE ENTRY PIT	900	600	29.07	375	29.01	375	30.48	1.47	SD 405, 430
G2	SIDE ENTRY PIT	900	600	29.26	375	29.21	375	30.54	1.33	SD 405, 430
G3	SIDE ENTRY PIT	900	600	-	-	29.63	375	30.91	1.28	SD 405, 430
H1	JUNCTION PIT	900	600	-	-	29.75	225	30.79	1.04	SD 405, 425
I1	SIDE ENTRY PIT	900	600	29.05	375	29.00	375	30.45	1.45	SD 405, 430
I2	SIDE ENTRY PIT	900	600	-	-	29.23	375	30.46	1.23	SD 405, 430
J1	JUNCTION PIT	900	600	-	-	30.13	225	31.16	1.03	SD 405, 425
K1	GRATED SIDE ENTRY PIT	900	600	26.27	450	26.22	450	27.74	1.52	SD 405, 475
EP	BLANKED OFF END OF PIPE	-	-	26.32	450	26.32	450	28.24	1.92	-
L1	SIDE ENTRY PIT	900	600	-	-	28.59	375	29.87	1.28	SD 405, 430
M1	SIDE ENTRY PIT	900	600	-	-	29.90	375	31.18	1.28	SD 405, 430
N1	SIDE ENTRY PIT	900	600	-	-	27.78	375	29.06	1.28	SD 405, 430
O1	GRATED SIDE ENTRY PIT	900	600	-	-	26.33	375	27.56	1.23	SD 405, 475
P1	SIDE ENTRY PIT	900	600	-	-	29.68	375	30.96	1.28	SD 405, 430
Q1	SIDE ENTRY PIT	900	600	-	-	30.01	375	31.19	1.18	SD 405, 430

PIT SETOUT SCHEDULE

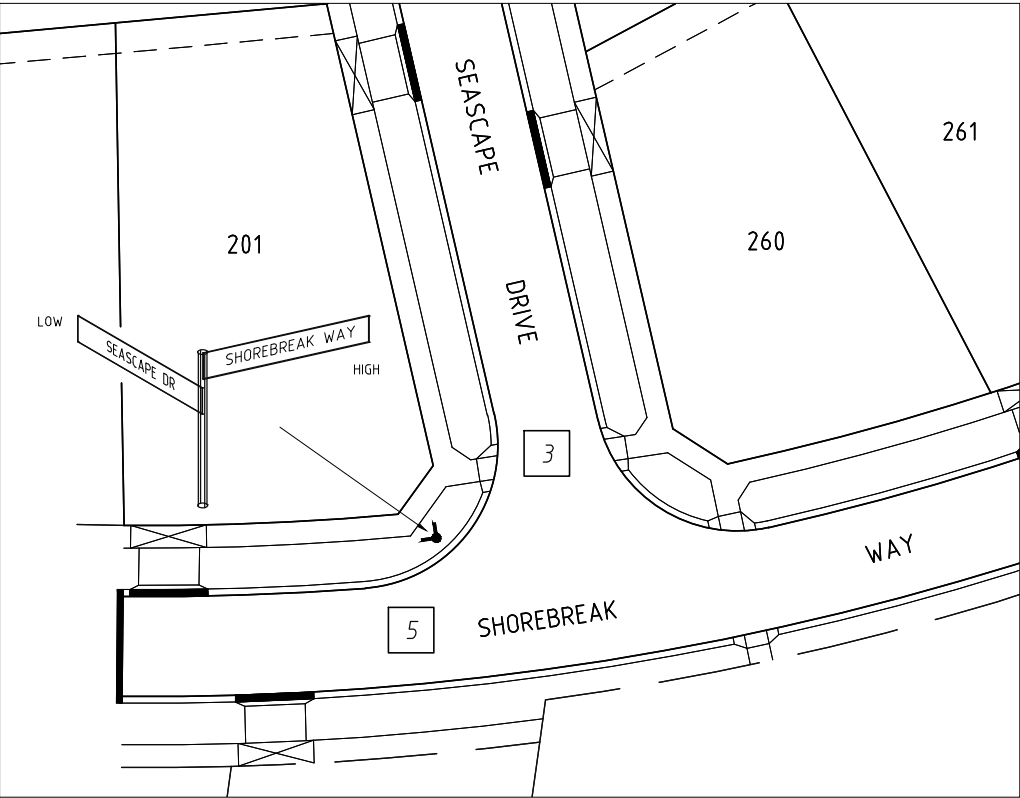
PIT No	POINT 'A' E	POINT 'A' N	POINT 'B' E	POINT 'B' N
A2	2340.20	587.20	2341.08	587.40
A3	2312.38	583.08	2313.28	583.15
B1	2329.06	594.94	2329.26	594.07
B2	2321.31	595.18	2321.51	594.30
B3	2315.30	621.19	2315.50	620.32
B4	2312.15	630.23	2312.55	629.43
B5	2306.96	637.69	2307.56	637.02
B6	2299.96	643.48	2300.72	643.00
B7	2296.53	654.59	2297.29	654.11
B8	2251.52	683.43	2252.27	682.95
B9	2201.00	715.80	2201.76	715.32
B10	2147.53	750.06	2148.29	749.57
B11	2146.27	762.73	2146.92	763.36
B12	2135.16	776.30	2135.74	775.61
B13	2121.84	777.78	2122.71	777.58
EP	2082.28	783.55	2082.28	783.55
C1	2319.26	726.13	2320.02	725.65
C2	2263.68	761.74	2264.44	761.25
C3	2218.22	790.87	2218.97	790.39
C4	2207.02	797.88	2207.81	797.45
C5	2169.43	822.08	2170.16	821.56
C6	2142.00	839.28	2143.67	838.38
D1	2251.49	674.54	2252.25	674.05
D2	2202.66	705.83	2203.42	705.34
D3	2154.67	736.58	2155.43	736.09
D4	2141.20	745.21	2141.96	744.73
D5	2126.19	743.32	2127.55	744.64
D6	2106.28	740.77	2106.93	741.39
G1	2186.42	800.69	2187.23	801.08
G2	2172.68	804.95	2173.33	805.58
G3	2148.89	781.96	2149.54	782.59
I1	2206.01	820.48	2206.66	821.11
I2	2197.87	829.31	2198.52	829.94
K1	2341.90	579.91	2342.77	580.10
L1	2257.06	774.89	2257.82	774.41
M1	2122.37	756.32	2123.02	756.95
N1	2316.00	737.13	2316.76	736.65
O1	2381.48	593.59	2382.29	593.98
P1	2173.60	828.60	2174.40	828.18
Q1	2117.62	770.87	2118.51	770.75







AMENDMENTS					Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	26.06.20	VERSION B			KINGSTON COAST ESTATE STAGE 2		MUNICIPALITY	
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.				GREATER GEELONG	
06.11.19	VERSION A (PRELIMINARY)	SURVEYED		REFERENCE				
	DATE	DESCRIPTION	DESIGNED	P.J.B	1503 E/2		SHEET 27 OF 29	
A1			DRAWN	C.S.				
			CHECKED					




DETAIL PLANS
SCALE (A1) 1 : 250

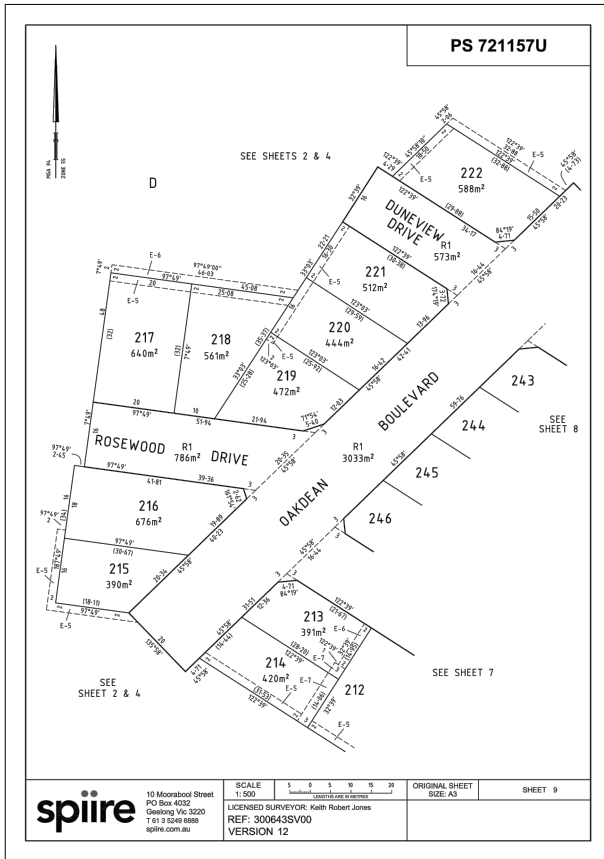
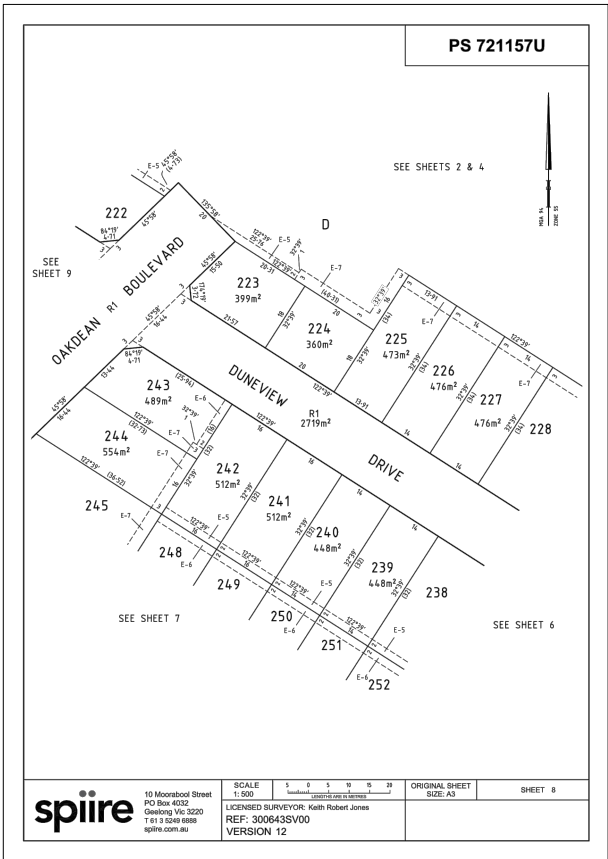
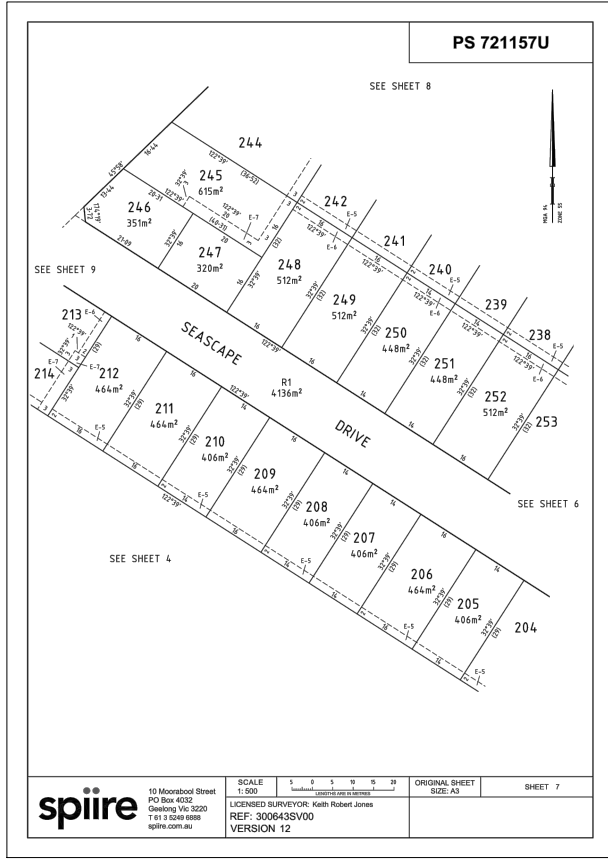
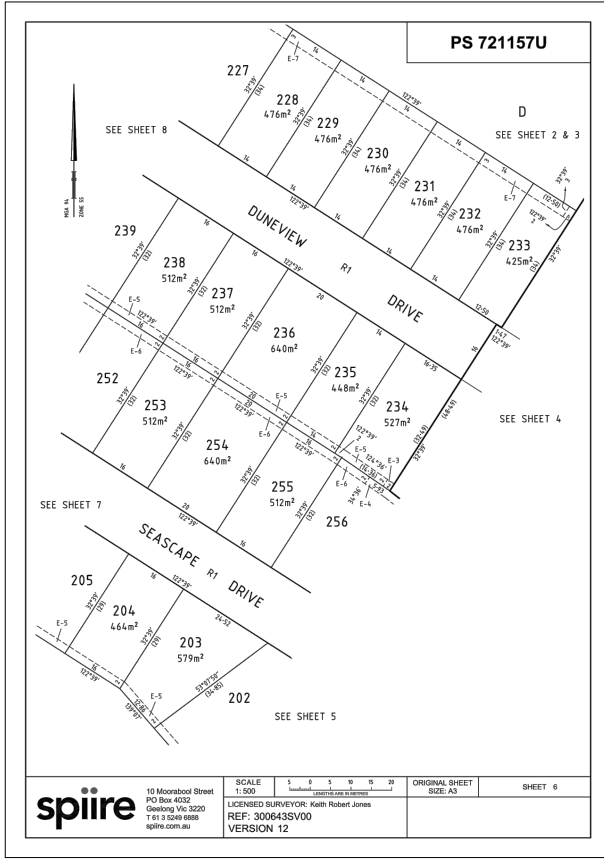
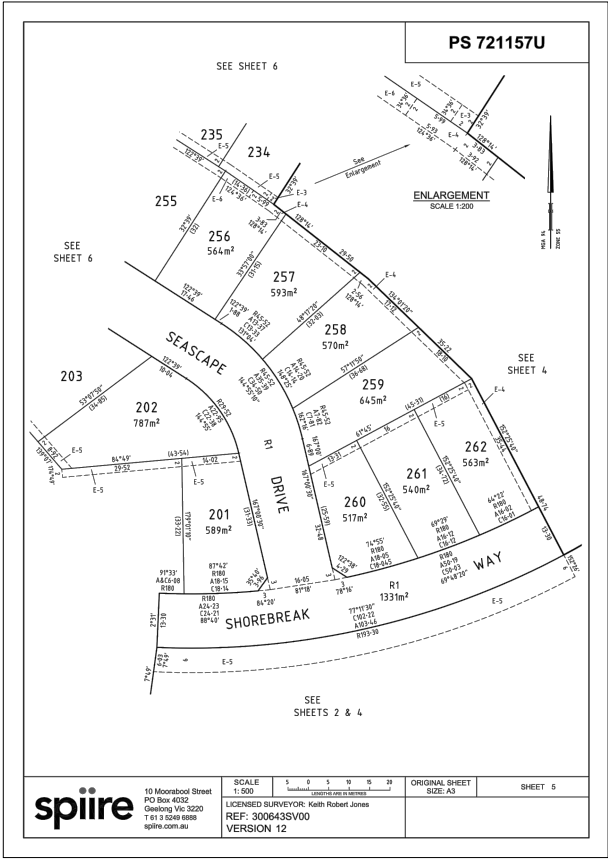


SIGN LEGEND

1	OAKDEAN BVD	4 No	4	ROSEWOOD DR	1 No		4 No (R1-3)
2	DUNEVIEW DR	2 No	5	SHOREBREAK WY	1 No		4 No (R2-3(L))
3	SEASCAPE DR	2 No					4 No (D4-V105)
							4 No (D4-1-2)

- NOTE
- A) ALL SIGNS AND LINEMARKING ARE TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS AND MARKINGS.
- B) LOCATION OF STREET SIGNS ARE TO BE APPROVED BY THE COGG WORKS INSPECTOR.
- C) ALL SIGN POSTS ARE TO BE SLEEVED IN ACCORDANCE WITH COGG STANDARD DRAWING (SD CGG710).

AMENDMENTS			 Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2 STREET SIGNS & LINEMARKING PLAN				MUNICIPALITY
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED					DREATER GEELONG
	DATE	DESCRIPTION	DESIGNED P.J.B					REFERENCE
A1	1 : 250	5 2.5 0 5 10 15 METRES	DRAWN C.S.	SCALE AS SHOWN DATUM AHD DATE NOV '19				1503 E/2
			CHECKED					SHEET 28 OF 29



AMENDMENTS			PB Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799
	11.03.20	ISSUED FOR CONSTRUCTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 2 PLAN OF SUBDIVISION			MUNICIPALITY GREATER GEELONG
	06.11.19	VERSION A (PRELIMINARY)	SURVEYED				REFERENCE 1503 E/2
	DATE	DESCRIPTION	DESIGNED P.J.B.				SHEET 29 OF 29
A1			DRAWN C.S.	SCALE AS SHOWN DATUM AHD DATE NOV '19			
			CHECKED				