

# Kingston Coast Estate - Stage 1

## 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.

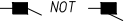


#### GENERAL :

- THE CONTRACTOR SHALL:
  - FIVE (5) DAYS 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 12.5m 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 UNIFORMLY 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: 340<sup>H</sup> 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 CLEAR 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	F	GENERAL NOTES
2	F	FACEPLAN, LOCALITY PLAN AND SERVICES SCHEDULE
3	F	FACEPLAN, SERVICES SCHEDULE AND CURVE SETOUT TABLE
4	E	BANKS ROAD TURN LANE ENTRANCE DETAIL CH0.00-CH280.00 (1:250)
5	E	BANKS ROAD TURN LANE ENTRANCE DETAIL CH280.00-CH430.00 (1:250)
6	E	BANKS ROAD CROSS SECTIONS (CH49.55-CH299.61)
7	D	BANKS ROAD CROSS SECTIONS (CH260.00-CH420.00)
8	D	COASTAL BOULEVARD LONGITUDINAL SECTION
9	D	COASTAL BOULEVARD CROSS SECTIONS (CH-22.00-CH90.69)
10	F	COASTAL BOULEVARD CROSS SECTIONS (CH58.37-CH207.14)
11	D	SHOREBREAK WAY LONGITUDINAL SECTION
12	D	SHOREBREAK WAY CROSS SECTIONS
13	D	DUNEVIEW DRIVE LONGITUDINAL SECTION

SHEET No.	VERSION No.	DESCRIPTION
14	D	DUNEVIEW DRIVE CROSS SECTIONS
15	D	WETLAND WAY LONGITUDINAL SECTION
16	D	WETLAND WAY CROSS SECTIONS
17	D	RIPVIEW DRIVE LONGITUDINAL SECTION
18	D	RIPVIEW DRIVE CROSS SECTIONS
19	D	WATTLESIDE DRIVE LONGITUDINAL SECTION
20	D	WATTLESIDE DRIVE CROSS SECTIONS
21	E	ROUNDABOUT DETAIL - (1:200), KERB AND CURVE SETOUT TABLES
22	D	DUNEVIEW DRIVE INTERSECTION DETAIL - (1:125)
23	D	RIPVIEW DRIVE INTERSECTION DETAIL - (1:125)
24	E	WATTLESIDE DRIVE INTERSECTION DETAIL - (1:125)
25	E	BASIN RESERVE DETAIL (1:250)
26	D	DRAINAGE LONGITUDINAL SECTIONS ('A' & 'L' LINES)

SHEET No.	VERSION No.	DESCRIPTION
27	D	DRAINAGE LONGITUDINAL SECTIONS ('B' & 'C' LINES)
28	D	DRAINAGE LONGITUDINAL SECTIONS ('D' & 'E' LINES)
29	D	DRAINAGE LONGITUDINAL SECTIONS ('F' & 'G' LINES)
30	D	DRAINAGE LONGITUDINAL SECTIONS ('H' & 'K' LINES)
31	D	DRAINAGE LONGITUDINAL SECTIONS ('Y' & 'J' LINES)
32	D	DRAINAGE LONGITUDINAL SECTIONS ('M'- 'T' LINES INCLUSIVE)
33	E	OUTFALL DRAINAGE ALIGNMENT PLAN & LONGITUDINAL SECTION ('X' LINE)
34	D	BASIN OUTLET GRILLE DETAIL
35	E	PIT AND PIT SETOUT SCHEDULES
36	E	STREET SIGNS AND LINEMARKING PLAN
37	E	STREET SIGNS AND LINEMARKING PLAN
38	D	PLAN OF SUBDIVISION

AMENDMENTS	13.12.19	VER F - SHEET INDEX REVISED (SHEET 10)	 <b>Peter Berry &amp; Associates Pty. Ltd.</b> <b>Civil Engineers</b>	<b>153 Yarra Street</b> <b>Geelong Victoria 3220</b> <b>Telephone: 5223 2799</b>					
	15.11.19	VER E - SHEET INDEX & NOTE 22 REVISED							
	11.10.19	VER D - ISSUED FOR CONSTRUCTION							
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1	MUNICIPALITY				
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK	SURVEYED		GREATER GEELONG				
		DESIGNED P.J.B	REFERENCE						
A1	DATE	DESCRIPTION	DRAWN C.S.	1503 <sup>E</sup> / <sub>1</sub>					
			CHECKED						
				SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET

SEE SHEET No 3  
FOR CONTINUATION

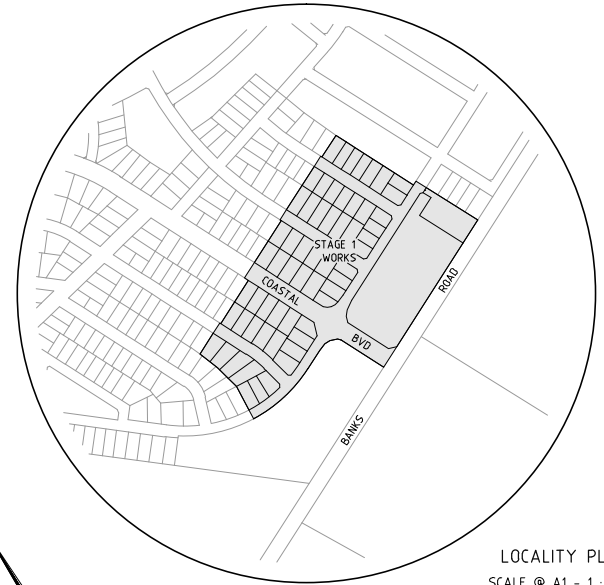
WARNING: EXISTING U/GROUND & O/HEAD  
SERVICES. THE EXACT LOCATIONS ARE TO  
BE VERIFIED PRIOR TO THE COMMENCEMENT  
OF ANY WORKS.

STRUCTURAL CONCRETE RETAINING  
WALLS AS PER CONSTRUCTION  
DRAWINGS PREPARED BY CREO  
CONSULTANTS

DENOTES EXPOSED AGGREGATE SHARED  
PATH SEE SHEET 10 FOR PAVEMENT  
COMPOSITION

ROAD

BANKS



LOCALITY PLAN  
SCALE @ A1 - 1 : 5,000

DEPTH OF FILL
CUT
NIL - 0.30
0.30 - 0.60

PLAN

SCALE (A1) 1 : 500

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

SURVEY MARKS AND LOCATIONS

DESCRIPTION	EASTING	NORTHING	ELEVATION
TBM 'A' STAR PICKET - LOT 106	2350.52	669.35	28.328
TBM 'B' IRON ROD - CNR BANKS RD & COASTAL BVD	2568.24	663.58	27.747
TBM 'C' STAR PICKET - LOT 146	2528.42	871.29	27.815

SEE NOTE i) BELOW

PAVEMENT COMPOSITION (CONCRETE SHARED BICYCLE PATH) -

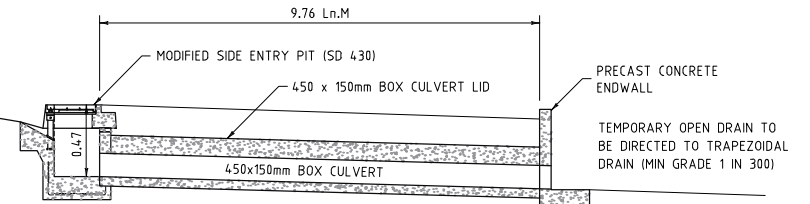
i) 125mm COMPACTED DEPTH REINFORCED (F72 MESH), 32MPa COLOURED CONCRETE, VIBRATED AND PROPERLY CURED IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARD CODE. "SAND" COLOUR TO BE ADDED AT THE TIME OF BATCHING.

ii) 50mm 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.

c) EXPANSION JOINTS TO BE SAW CUT PERPENDICULAR TO THE DIRECTION OF TRAVEL.



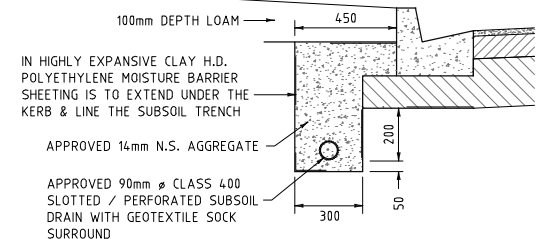
BANKS ROAD TYPICAL SECTION KERB ENTRY PIT DETAILS - Y1 & Z1  
NOT TO SCALE

TYPICAL SECTION - OPEN TRAPEZOIDAL DRAIN C1-U2  
(NOT TO SCALE)

SERVICES LOCATION SCHEDULE

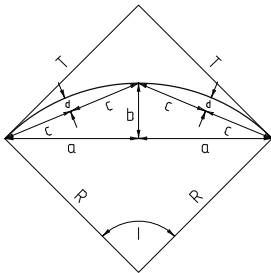
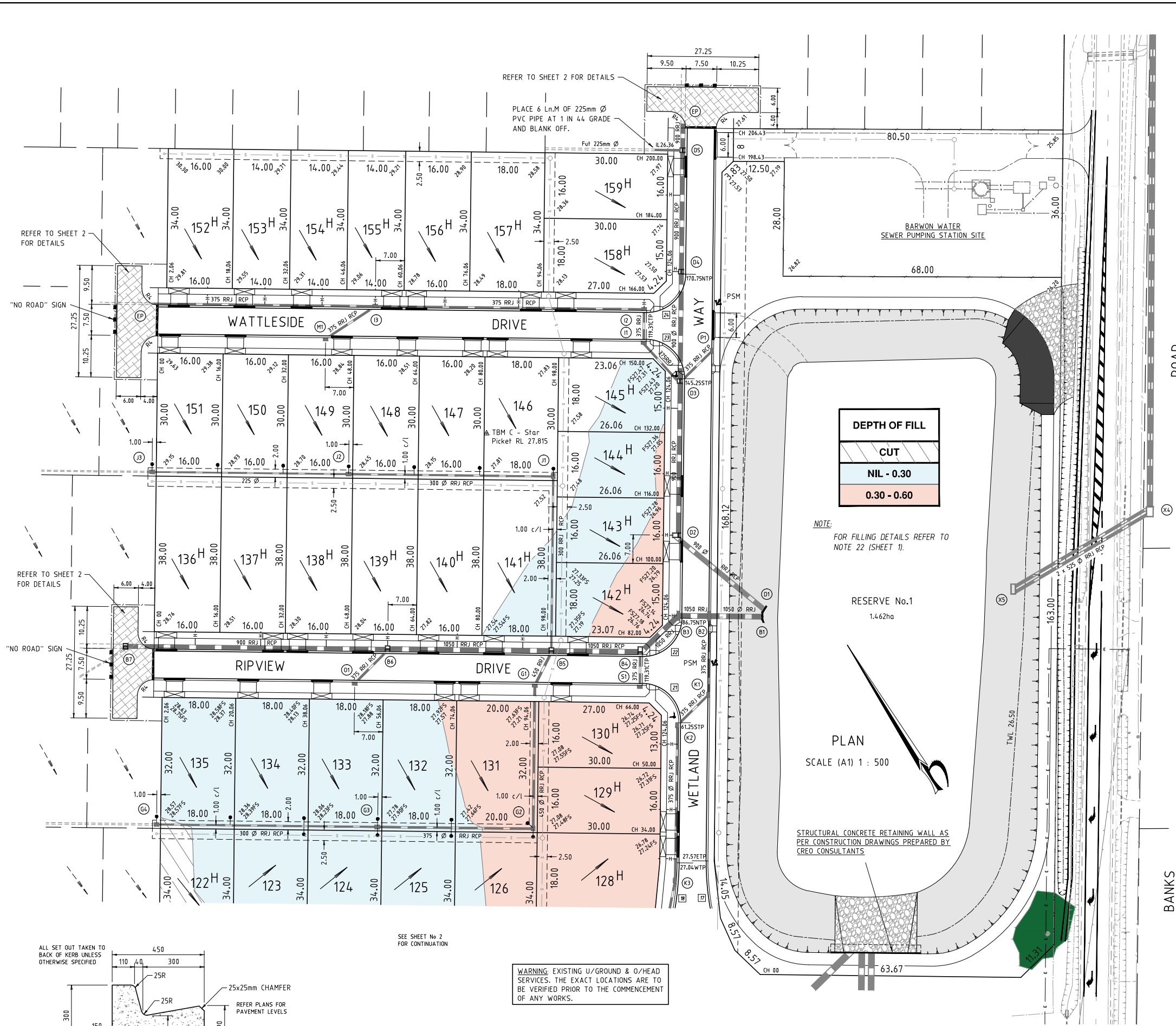
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
COASTAL BOULEVARD (CH00-100)	1.90 S	2.10 N	2.70 N	2.60 S	VARIABLE
COASTAL BOULEVARD (CH100-END)	3.40 S	0.60 N	1.20 N	4.10 S	VARIABLE
WETLAND WAY	0.90 E	2.10 W	2.70 W	1.20 E	4.25W/1.55E
SHOREBREAK WAY	0.90 E	2.10 W	2.70 W	1.20 E	4.25W/1.55E
DUNEVIEW DRIVE	1.90 N	2.10 S	2.70 S	2.50 N	4.25

SUBSOIL DRAIN DETAIL  
(NOT TO SCALE)



AMENDMENTS	15.11.19	VER F - DRIVEWAYS FINALIZED		Peter Berry & Associates Pty. Ltd.		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799				
	14.11.19	VER E - SHARED PATH - EXPOSED AGGREGATE		Civil Engineers						
	11.10.19	VER D - ISSUED FOR CONSTRUCTION								
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK								
A1	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY GREATER GEELONG				
	DATE	DESCRIPTION	SURVEYED			REFERENCE 1503 E/1				
	DESIGNED	P.J.B	DRAWN			C.S.				
	CHECKED									
1 : 500				SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	2 OF 38

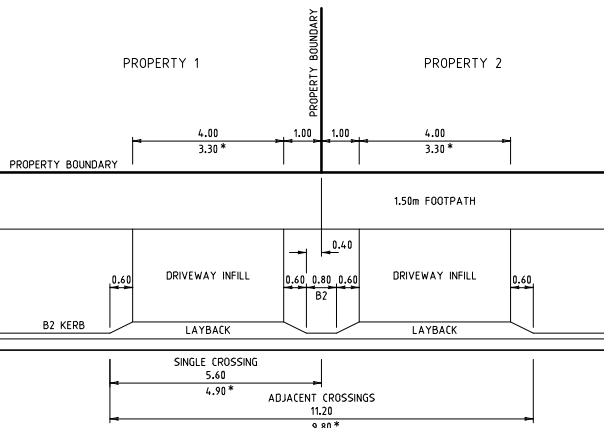




CURVE SETOUT DETAIL  
(NOT TO SCALE)

CURVE SETOUT TABLE

CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
1	184.25	15°30'18"	25.083	49.860	24.854	1.684	12.456	0.421
2	191.75	29°10'24"	49.900	97.634	48.291	6.181	24.343	1.551
3	9.00	91°33'11"	9.247	14.381	6.450	2.723	3.500	0.709
4	9.00	96°47'59"	10.137	15.205	6.730	3.025	3.689	0.791
5	184.25	5°18'55"	8.553	17.093	8.543	0.198	4.273	0.050
6	148.75	12°06'28"	15.775	31.433	15.687	0.830	7.855	0.208
7	154.25	12°06'28"	16.571	33.018	16.478	0.871	8.251	0.218
8	49.85	19°15'02"	8.454	16.749	8.335	0.702	4.182	0.176
9	21.00	55°42'16"	11.097	20.417	9.811	2.433	5.054	0.617
10	70.00	15°02'43"	9.244	18.381	9.164	0.402	4.592	0.151
11	70.00	15°05'29"	9.272	18.438	9.192	0.406	4.606	0.152
12	23.00	74°54'31"	17.619	30.070	13.987	4.742	7.384	1.218
13	65.96	12°35'23"	7.276	14.494	7.232	0.398	3.622	0.099
14	30.00	4°20'48"	1.139	2.276	1.138	0.022	0.569	0.005
15	24.00	91°21'49"	24.578	38.270	17.171	7.233	9.316	1.882
16	30.00	15°10'02"	3.994	7.941	3.959	0.262	1.984	0.066
17	60.00	13°48'12"	7.263	14.455	7.210	0.435	3.612	0.109
18	70.35	11°55'22"	7.344	14.639	7.304	0.380	3.658	0.095
19	22.00	63°14'36"	13.546	24.284	11.535	3.266	5.994	0.832
20	70.00	14°50'02"	9.113	18.123	9.036	0.586	4.528	0.147
21	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685
22	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685
23	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685
24	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685
25	12.00	84°22'56"	10.878	17.673	8.059	3.109	4.319	0.804
26	12.00	77°27'50"	9.625	16.224	7.508	2.639	3.979	0.679
27	44.55	11°24'40"	4.451	8.873	4.429	0.221	2.217	0.055
28	30.00	13°25'11"	3.529	7.027	3.505	0.205	1.756	0.051
29	200.50	6°14'01"	10.918	21.814	10.902	0.297	5.453	0.074
30	199.50	2°38'08"	4.589	9.177	4.588	0.053	2.294	0.013



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)

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

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
WETLAND WAY	0.90 E	2.10 W	2.70 W	1.20 E	4.25W/1.55E
WATTLESIDE DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25
RIPVIEW DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25

AMENDMENTS	15.11.19	VER F - DRIVEWAYS FINALIZED
	14.11.19	VER E - 225mm SWD ADDED AT PIT D5
	11.10.19	VER D - ISSUED FOR CONSTRUCTION
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK
A1	DATE	DESCRIPTION
	1 : 500	10 5 0 10 20 30 METRES
	CHECKED	



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 1

SCALE AS SHOWN

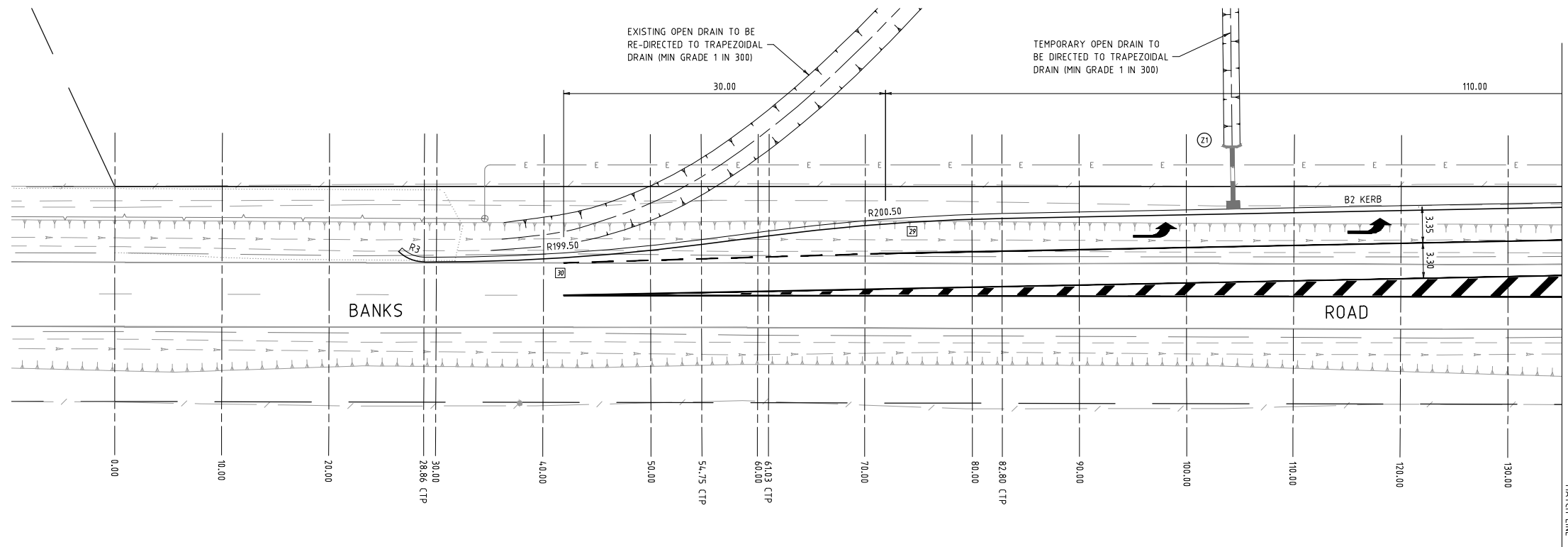
DATUM

AHD

DATE

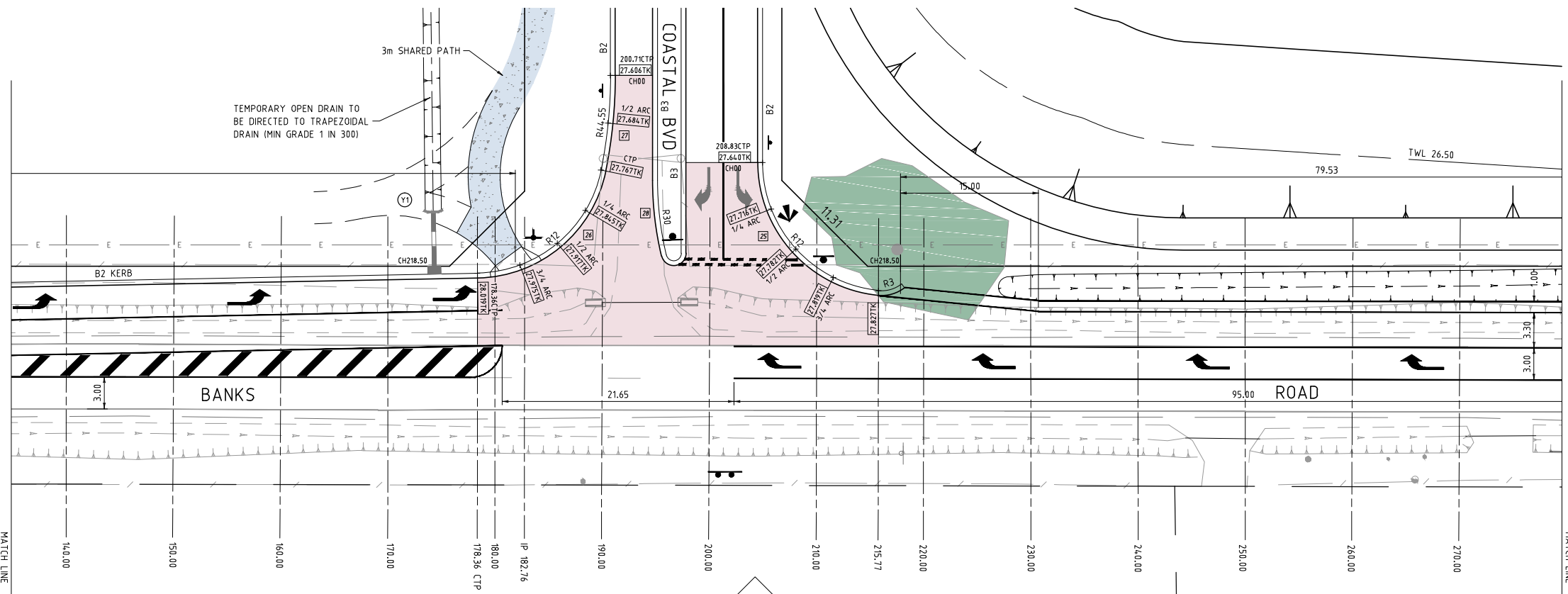
APR '19

MUNICIPALITY	GREATER GEELONG
REFERENCE	1503 E/1
SHEET	3 OF 38



PLAN  
SCALE (A1) 1 : 250

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

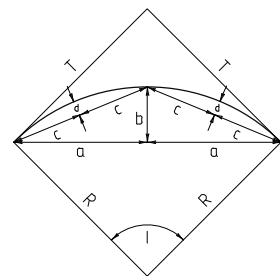


PAVEMENT SHOWN THUS TO CONSIST OF:



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

SUBGRADE IMPROVEMENT IF REQUIRED

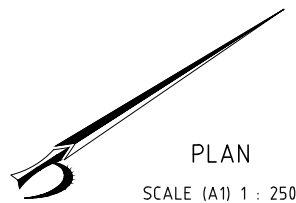
CURVE SETOUT TABLE								
CURVE	RADIUS (m)	L	T	ARC	a	b	c	d
25	12.00	84°22'56"	10.878	17.673	8.059	3.109	4.319	0.804
26	12.00	77°27'50"	9.625	16.224	7.508	2.639	3.979	0.679
27	44.55	11°24'40"	4.451	8.873	4.429	0.221	2.217	0.055
28	30.00	13°25'11"	3.529	7.027	3.505	0.205	1.756	0.051
29	200.50	6°14'01"	10.918	21.814	10.902	0.297	5.453	0.074
30	199.50	2°38'08"	4.589	9.177	4.588	0.053	2.294	0.013





CURVE SETOUT DETAIL  
(NOT TO SCALE)

AMENDMENTS	14.11.19	VER E - SHARED PATH - EXPOSED AGGREGATE	 <div>Peter Berry &amp; Associates Pty. Ltd. Civil Engineers</div>	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION					
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK					
	03.04.19	VER A - PRELIMINARY SUBMISSION					
DATE	DESCRIPTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 1			MUNICIPALITY GREATER GEELONG
		SURVEYED	REFERENCE 1503 E/1				
		DESIGNED P.J.B					
A1	DRAWN C.S.		CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR '19	SHEET 4 OF 38
	1 : 250  METRES						





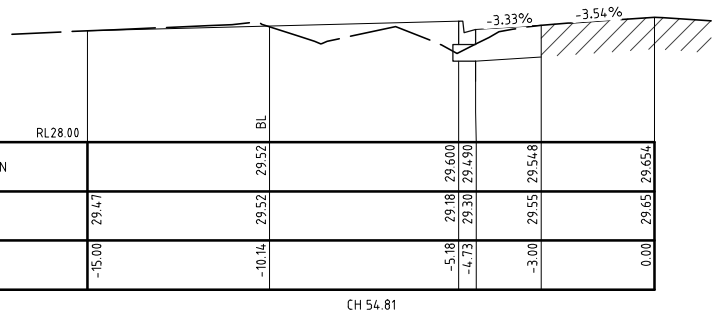
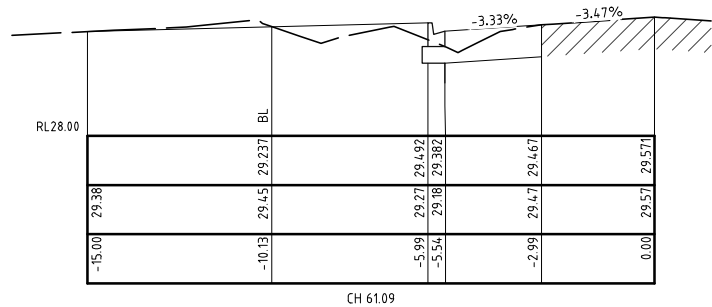
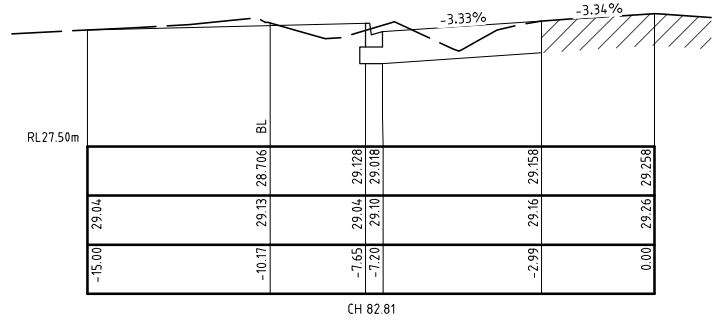
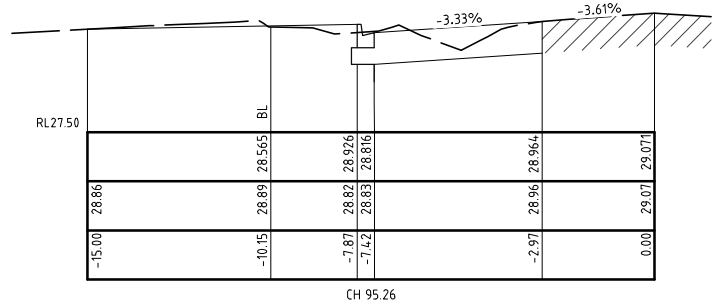
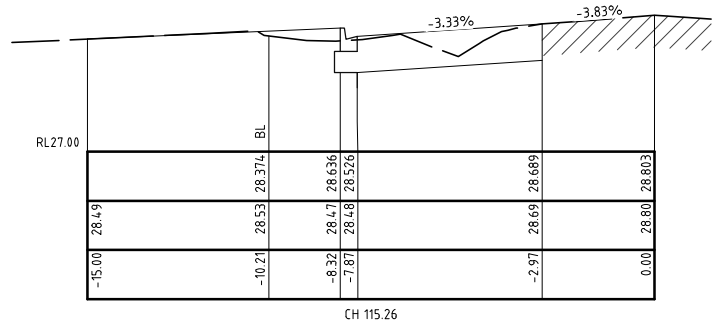
**WARNING:** EXISTING U/GROUND & O/HEAD SERVICES. THE EXACT LOCATIONS ARE TO BE VERIFIED PRIOR TO THE COMMENCEMENT OF ANY WORKS.

AMENDMENTS	23.10.19	VER E - DRAINAGE LINE X REVISED	 <b>Peter Berry &amp; Associates Pty. Ltd.</b> <b>Civil Engineers</b>	<b>153 Yarra Street</b> <b>Geelong Victoria 3220</b> <b>Telephone: 5223 2799</b>			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION					
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK					
	03.04.19	VER A - PRELIMINARY SUBMISSION					
	<b>DATE</b>	<b>DESCRIPTION</b>	<b>MELWAY REF.</b>	<b>KINGSTON COAST ESTATE</b> <b>STAGE 1</b>			<b>MUNICIPALITY</b>
			<b>SURVEYED</b>				<b>GREATER GEELONG</b>
			<b>DESIGNED</b> P.J.B				<b>REFERENCE</b>
A1				<b>DRAWN</b> C.S.	<b>1503 E/1</b>		
			<b>CHECKED</b>	<b>SCALE AS SHOWN</b>			

LINE

BUILDING

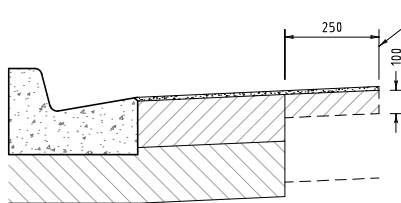
WEST



BANKS ROAD CROSS SECTIONS

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

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



PAVEMENT COMPOSITION - (BANKS ROAD)

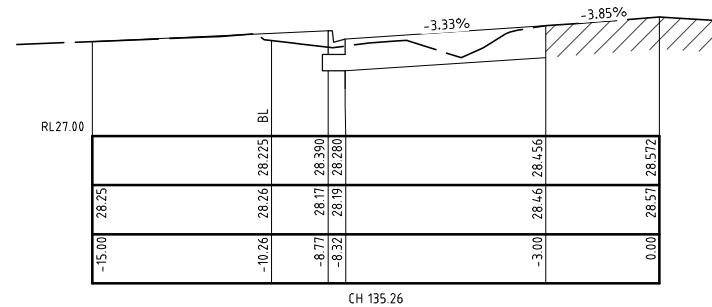
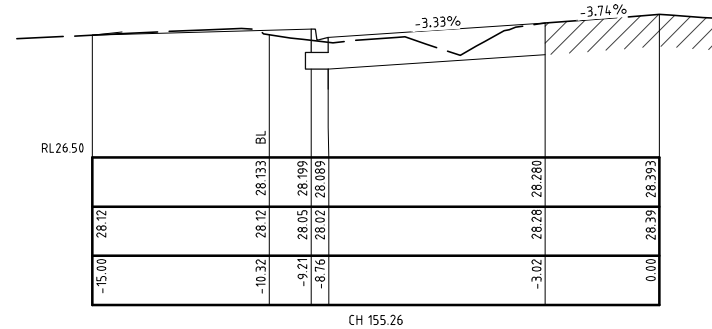
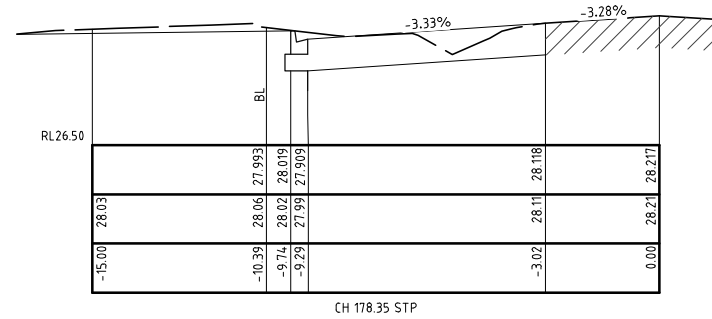
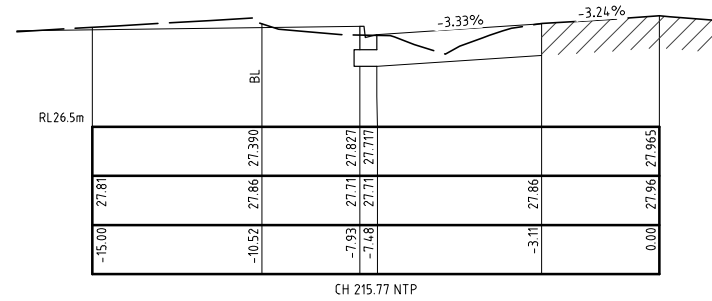
NOTE:

- PAVEMENT DEPTH AS SHOWN OR NOT LESS THAN 25mm LOWER THAN EXISTING PAVEMENT AT THE INTERFACE.
- SUBGRADE IMPROVEMENT (IF REQUIRED)
  - 200mm DEPTH 3% LIME STABILIZED SUBGRADE EXTENDING 150mm BEHIND KERB, OR
  - 150mm COMPACTED DEPTH OF APPROVED NDCR OR 40mm CLASS 4 FCR

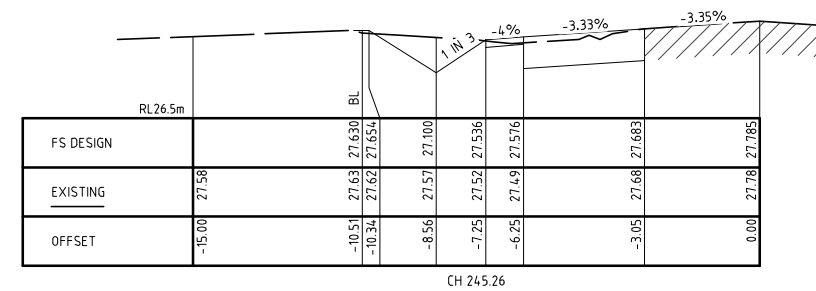
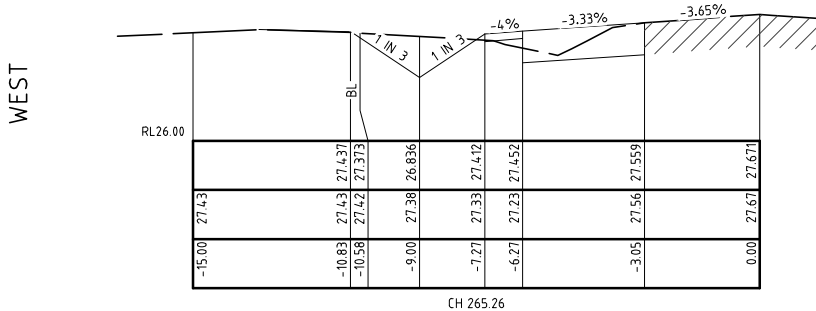
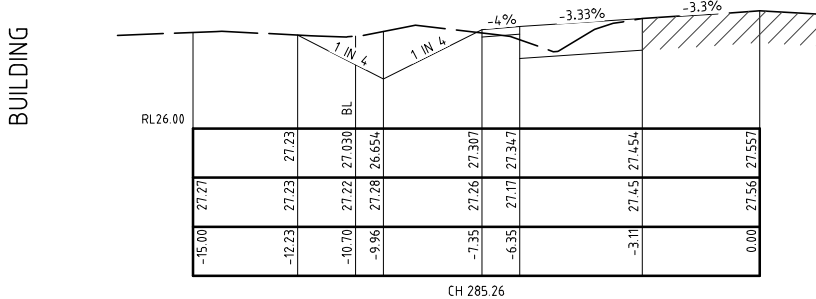
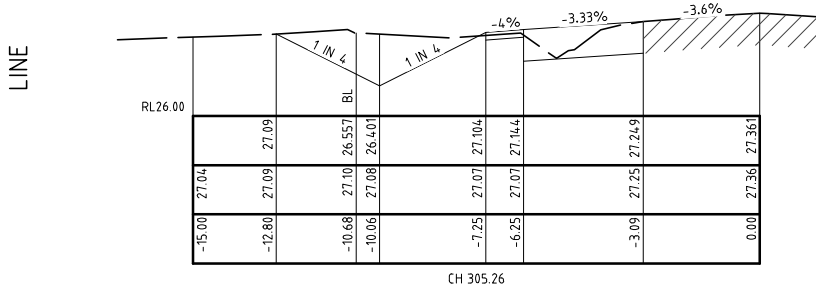
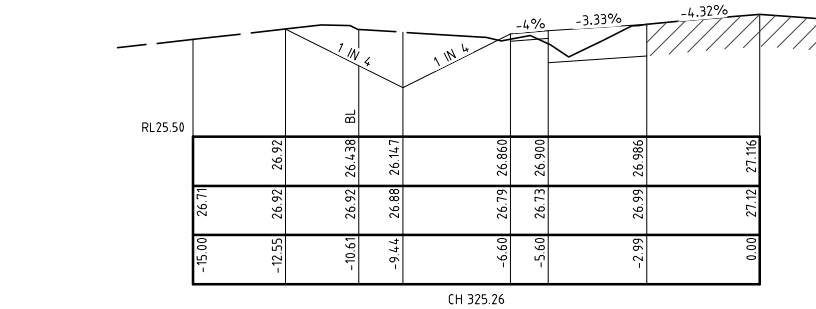
LINE

BUILDING

WEST



AMENDMENTS	12.11.19	VER E - CHAINAGES AMENDED	<div><div><div>Peter Berry &amp; Associates Pty. Ltd.</div><div>Civil Engineers</div></div><div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div></div>
	11.10.19	VER D - ISSUED FOR CONSTRUCTION	
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK	
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK	
	03.04.19	VER A - PRELIMINARY SUBMISSION	
A1	DATE	DESCRIPTION	MELWAY REF.
	1 : 100	1 0 2 4 6	SURVEYED
	1 : 50	1 0.5 0 1 2 3	DESIGNED P.J.B.
		DRAWN C.S.	KINGSTON COAST ESTATE STAGE 1
		CHECKED	
		SCALE AS SHOWN	DATUM AHD
		DATE	APR '19
		SHEET	6 OF 38



BANKS ROAD CROSS SECTIONS

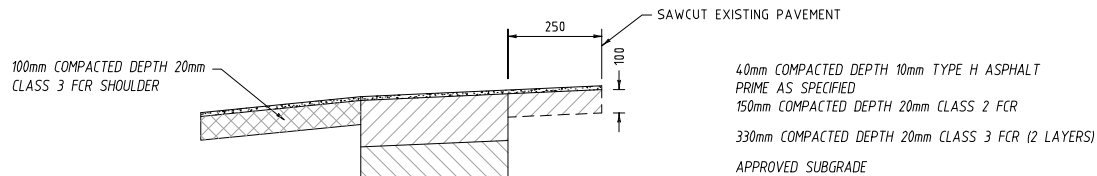
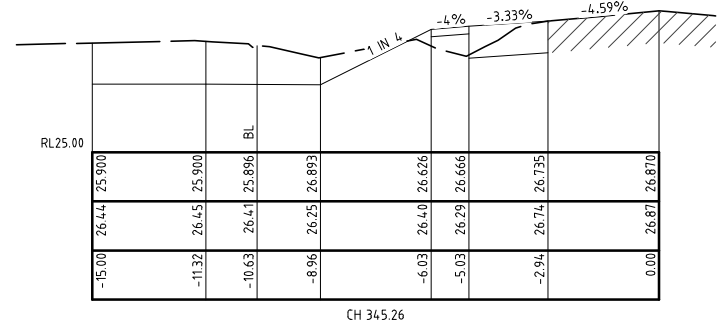
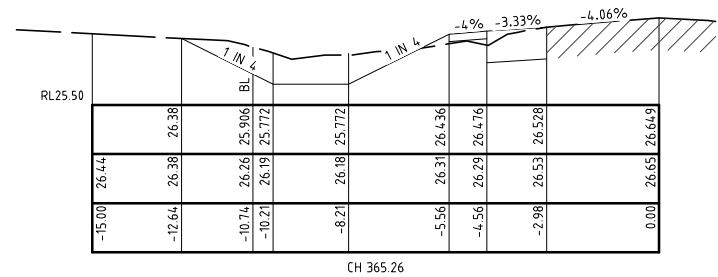
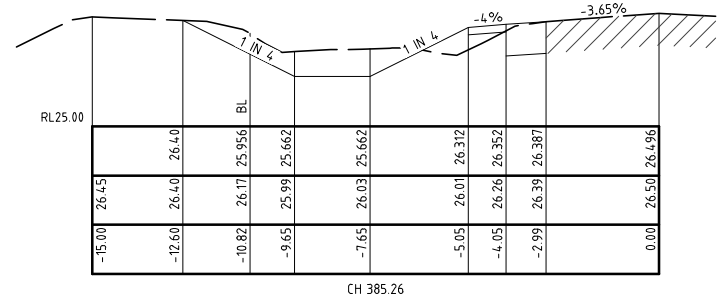
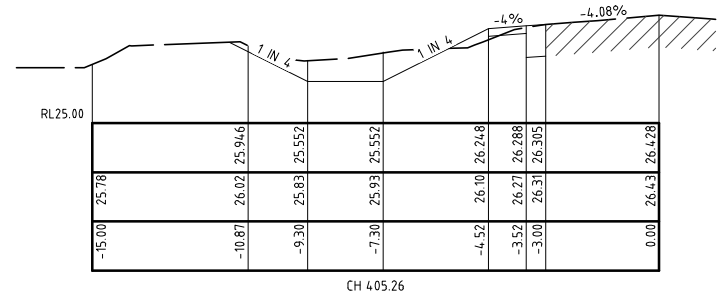
SCALES - HORIZ. 1 : 100  
VERT. 1 : 50

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

LINE




BUILDING

WEST

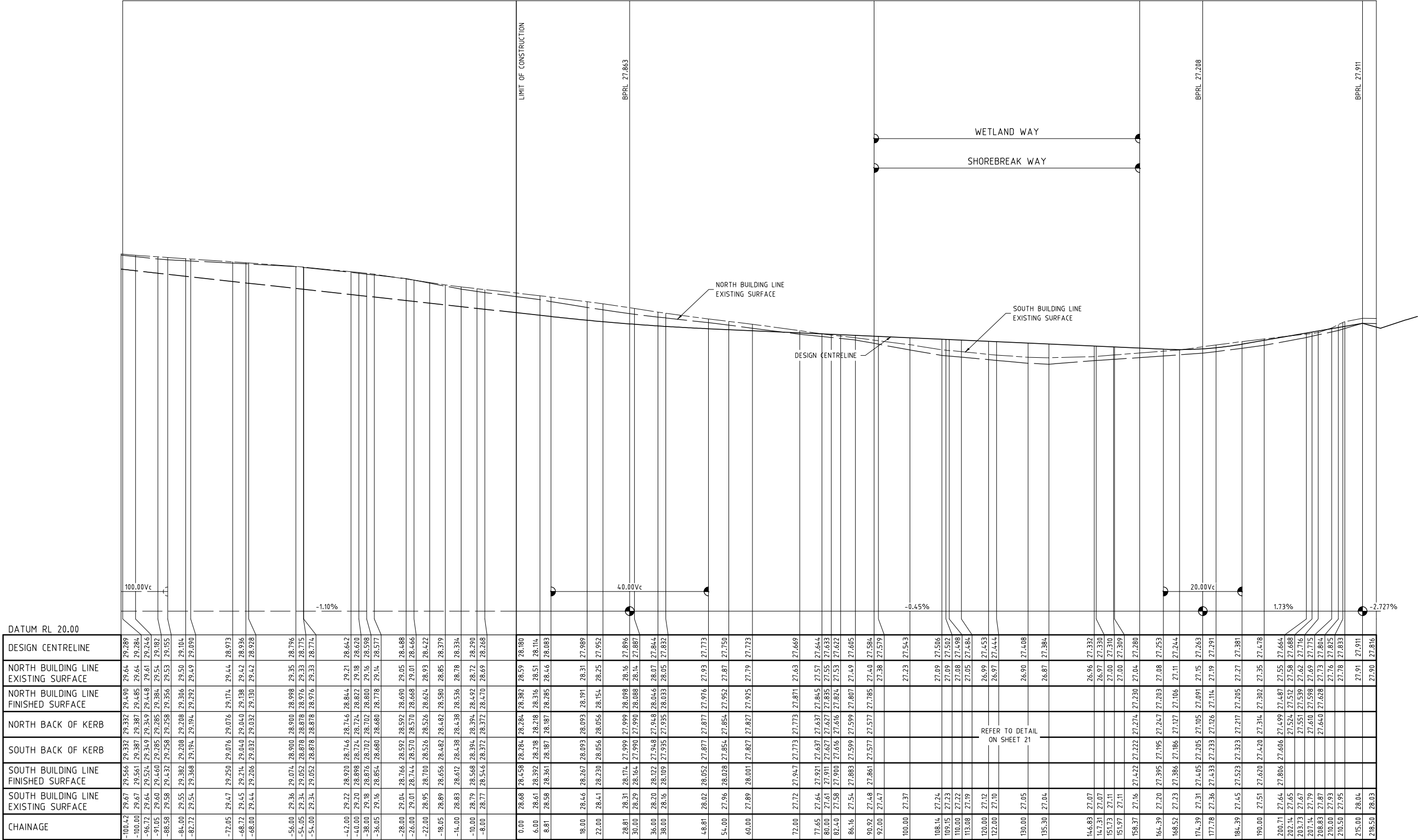


PAVEMENT COMPOSITION - (BANKS ROAD)

- NOTE:
- a) PAVEMENT DEPTH AS SHOWN OR NOT LESS THAN 25mm LOWER THAN EXISTING PAVEMENT AT THE INTERFACE.
  - b) SUBGRADE IMPROVEMENT (IF REQUIRED)
    - i) 200mm DEPTH 3% LIME STABILIZED SUBGRADE EXTENDING 150mm BEHIND KERB, OR
    - ii) 150mm COMPACTED DEPTH OF APPROVED NDCR OR 40mm CLASS 4 FCR

AMENDMENTS				Peter Berry & Associates Pty. Ltd.				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
										Civil Engineers	
	11.10.19	VER D - ISSUED FOR CONSTRUCTION									
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK									
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK									
	03.04.19	VER A - PRELIMINARY SUBMISSION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1				MUNICIPALITY			
			SURVEYED					GREATER GEELONG			
			DESIGNED P.J.B					REFERENCE			
	DATE	DESCRIPTION	DRAWN C.S.					1503 E/1			
A1	1 : 100			CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	7 OF 38
	1 : 50										





COASTAL

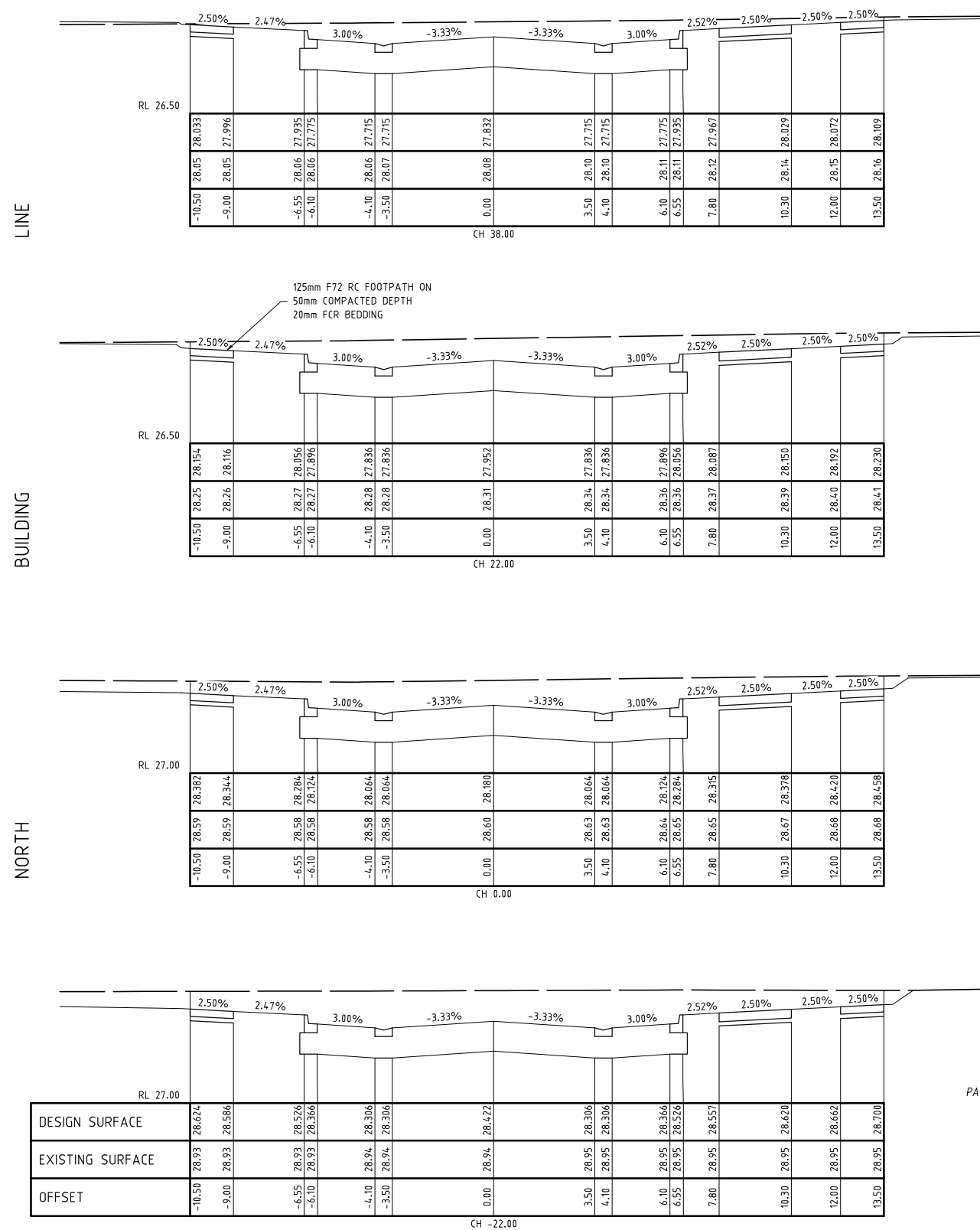
BOULEVARD

LONGITUDINAL

SECTION

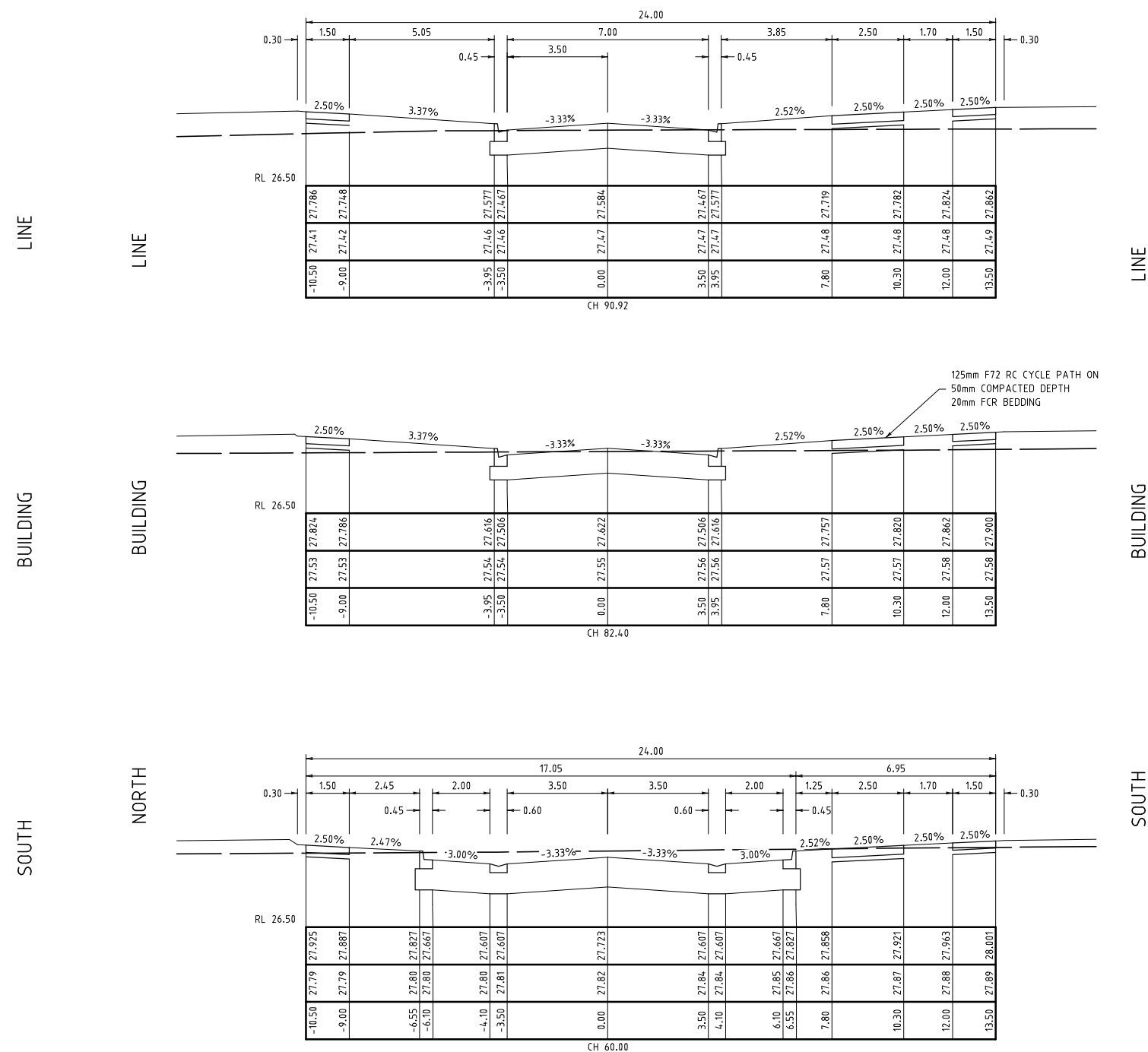
SCALES - HORIZ. 1 : 500  
VERT. 1 : 50

A1	AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION	<div><div>Peter Berry &amp; Associates Pty. Ltd.</div><div>Civil Engineers</div></div>	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1	MUNICIPALITY GREATER GEELONG
		09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK				
		05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK				
		03.04.19	VER A - PRELIMINARY SUBMISSION				
	DATE	DESCRIPTION		SURVEYED	DESIGNED P.J.B.	REFERENCE 1503 E/1	SHEET 8 OF 38
				DRAWN C.S.	CHECKED		
				SCALE AS SHOWN		DATUM AHD	DATE APR '19



# COASTAL BOULEVARD CROSS SECTIONS

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




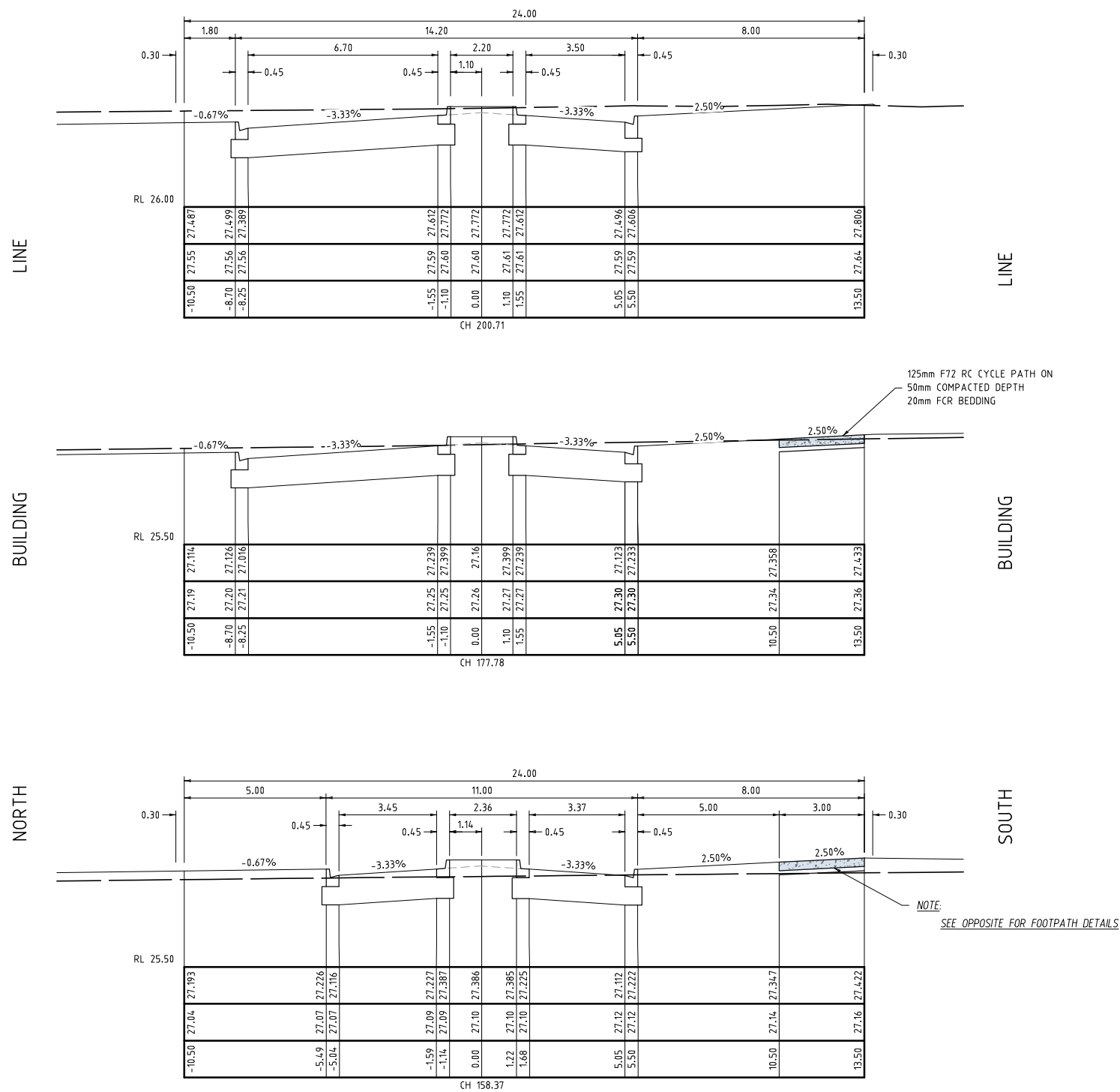
PAVEMENT TO CONSIST OF:

- a) 40mm COMPACTED DEPTH 10mm TYPE H ASPHALT
- b) PRIME AS SPECIFIED
- c) 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
- d) 330mm 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

AMENDMENTS			 <b>Peter Berry &amp; Associates Pty. Ltd.</b> <b>Civil Engineers</b>	<b>153 Yarra Street</b> <b>Geelong Victoria 3220</b> <b>Telephone: 5223 2799</b>		
	11.10.19	VER D - ISSUED FOR CONSTRUCTION				
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK				
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK				
	03.04.19	VER A - PRELIMINARY SUBMISSION				
	<b>DATE</b>	<b>DESCRIPTION</b>	<b>MELWAY REF.</b>	<b>KINGSTON COAST ESTATE</b> <b>STAGE 1</b>	<b>MUNICIPALITY</b>	
			<b>SURVEYED</b>		GREATER GEELONG	
			<b>DESIGNED</b> P.J.B.		<b>REFERENCE</b>	
A1	1 : 100	2 1 0 2 4 6		<b>DRAWN</b> C.S.	1503 E/1	
	1 : 50	2 1 0 5 0 1 2 3		<b>CHECKED</b>	<b>SCALE AS SHOWN</b>	<b>DATUM</b> AHD
					<b>DATE</b> APR '19	<b>SHEET</b> 9 OF 38



COASTAL BOULEVARD CROSS SECTIONS  
SCALES - HORIZ. 1 : 100  
VERT. 1 : 50

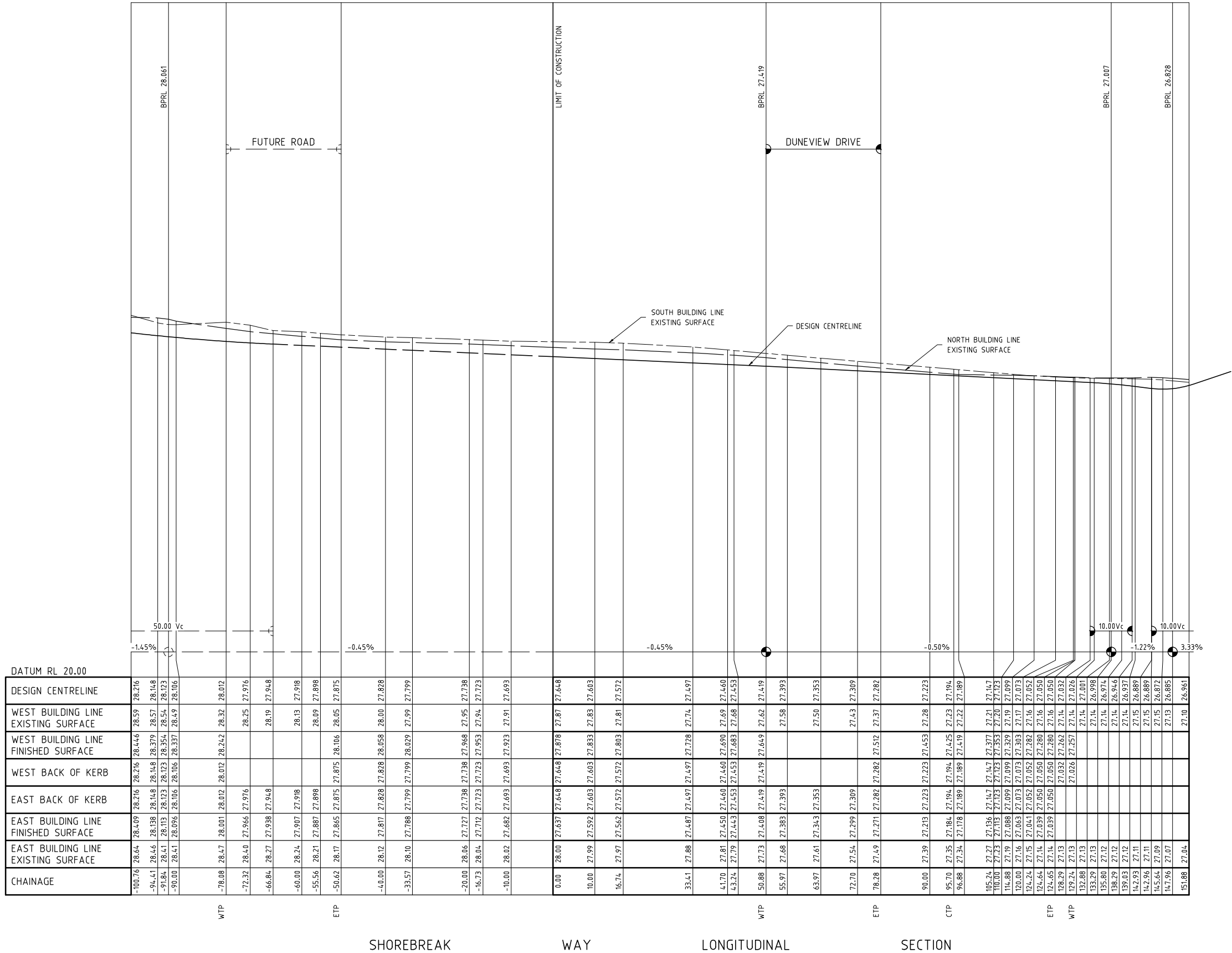
- PAVEMENT TO CONSIST OF-
- a) 40mm COMPACTED DEPTH 10mm TYPE H ASPHALT
  - b) PRIME AS SPECIFIED
  - c) 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
  - d) 330mm COMPACTED DEPTH 20mm CLASS 3 FCR (2 LAYERS)
- SUBGRADE IMPROVEMENT (IF REQUIRED)
- e) 200mm DEPTH 3% LIME STABILIZED SUBGRADE EXTENDING 150mm BEHIND KERB, OR
  - f) 150mm COMPACTED DEPTH OF APPROVED NDCR OR 40mm CLASS 4 FCR



DENOTES 125mm THICK EXPOSED AGGREGATE 25MPa F72 RC FOOTPATH ON 50mm COMPACTED DEPTH 20mm FCR BEDDING.  
FOOTPATH COMPOSITION -  
- 20% 7mm BLUESTONE AGGREGATE.  
- 80% 7mm WHITE QUARTZ

AMENDMENTS	13.12.19	VER F - EXPOSED AGGREGATE MIX CHANGE	<div><div><div></div></div><div>Peter Berry &amp; Associates Pty. Ltd. Civil Engineers</div></div> <div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div>			
	14.11.19	VER E - SHARED PATH - EXPOSED AGGREGATE				
	11.10.19	VER D - ISSUED FOR CONSTRUCTION				
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY GREATER GEELONG
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK	SURVEYED			REFERENCE 1503 E/1
A1	DATE	DESCRIPTION	DESIGNED P.J.B			SHEET 10 OF 38
	1 : 100 1 : 50	2 1 0 2 4 6 1 0.5 0 1 2 3	DRAWN C.S.	CHECKED	SCALE AS SHOWN DATUM AHD DATE APR '19	





SHOREBREAK WAY LONGITUDINAL SECTION

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

AMENDMENTS

11.10.19	VER D - ISSUED FOR CONSTRUCTION
09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK
05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK
03.04.19	VER A - PRELIMINARY SUBMISSION
DATE	DESCRIPTION

A1

1 : 500

10 5 0 10 20 30

1 : 50

1 0.5 0 1 2 3

METRES

MELWAY REF.	KINGSTON COAST ESTATE STAGE 1	MUNICIPALITY GREATER GEELONG
SURVEYED		
DESIGNED P.J.B		
DRAWN C.S.		
CHECKED	SCALE AS SHOWN	DATUM AHD
	DATE APR '19	SHEET 11 OF 38

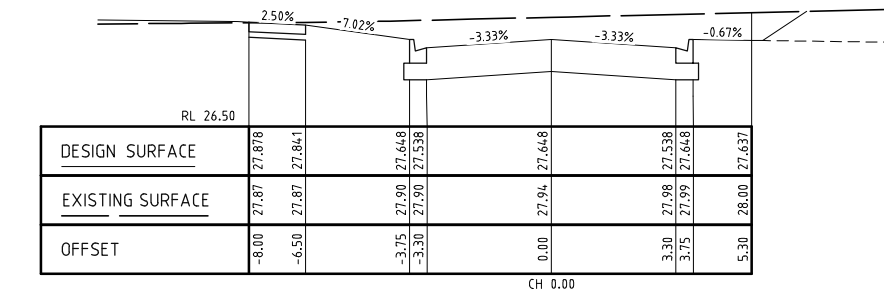
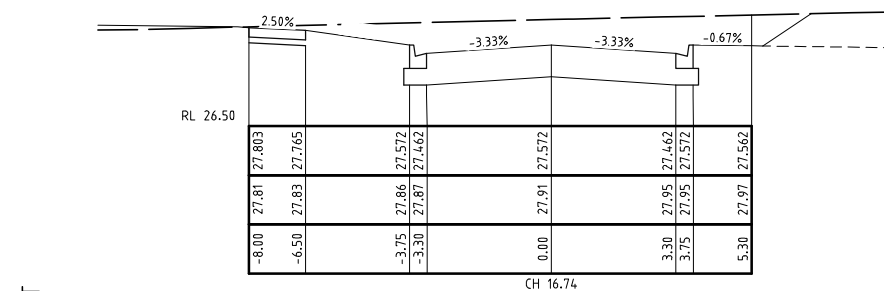
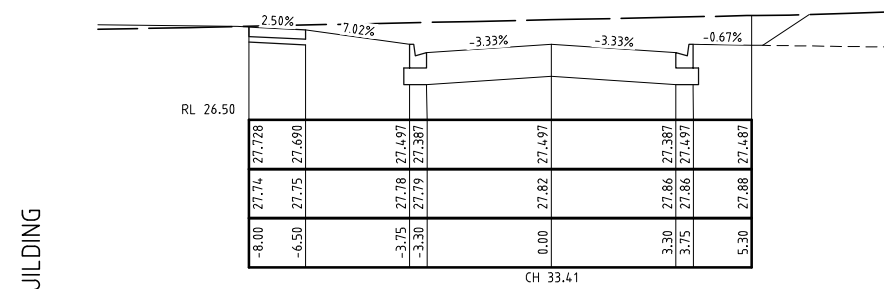
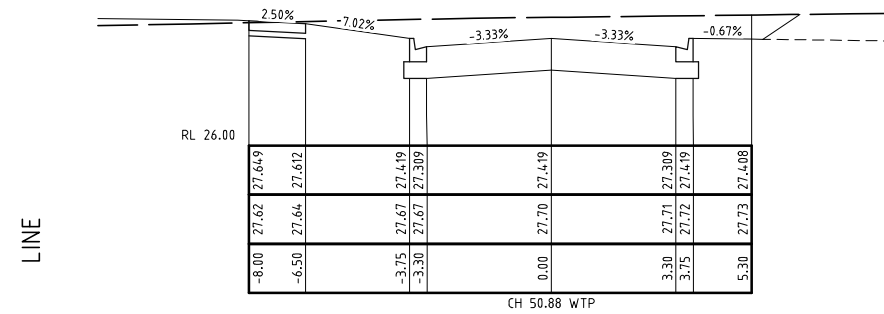
Peter Berry & Associates Pty. Ltd.

Civil Engineers

153 Yarra Street  
Geelong Victoria 3220  
Telephone: 5223 2799

REFERENCE  
1503 E/1

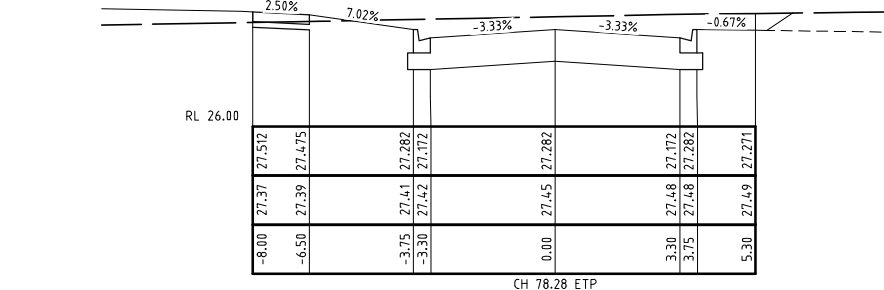
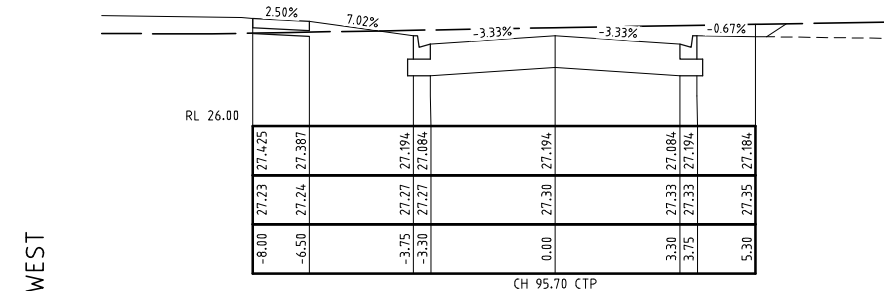
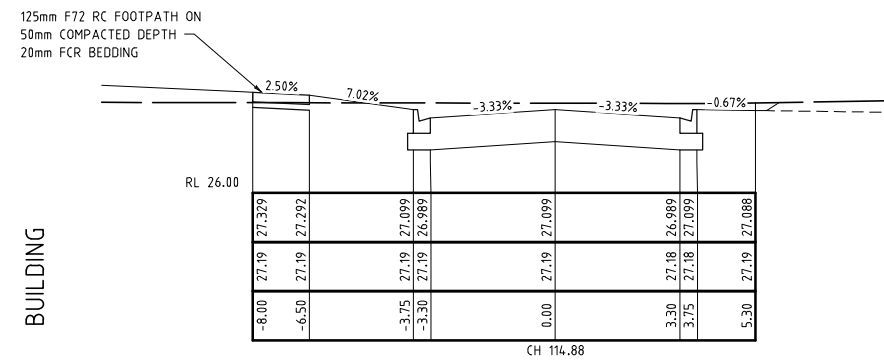
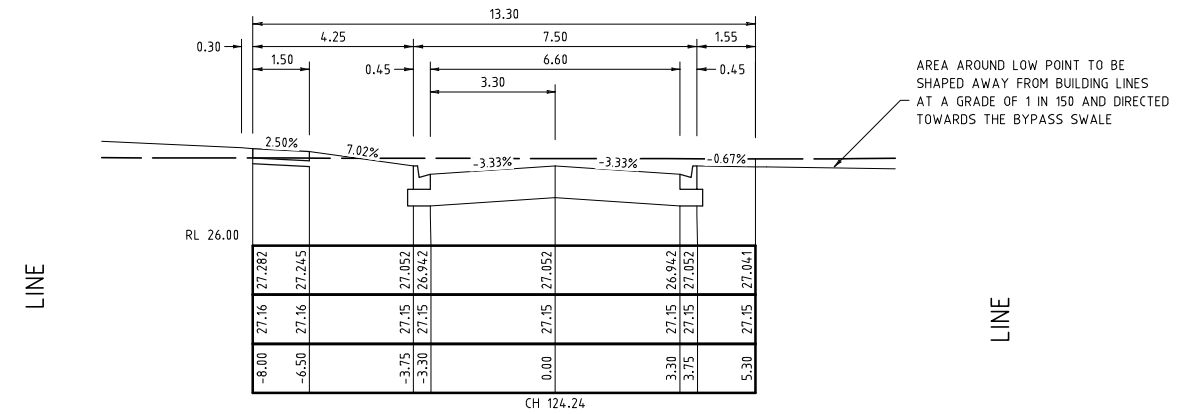
SHEET 11 OF 38



SHOREBREAK      WAY      CROSS      SECTIONS

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

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




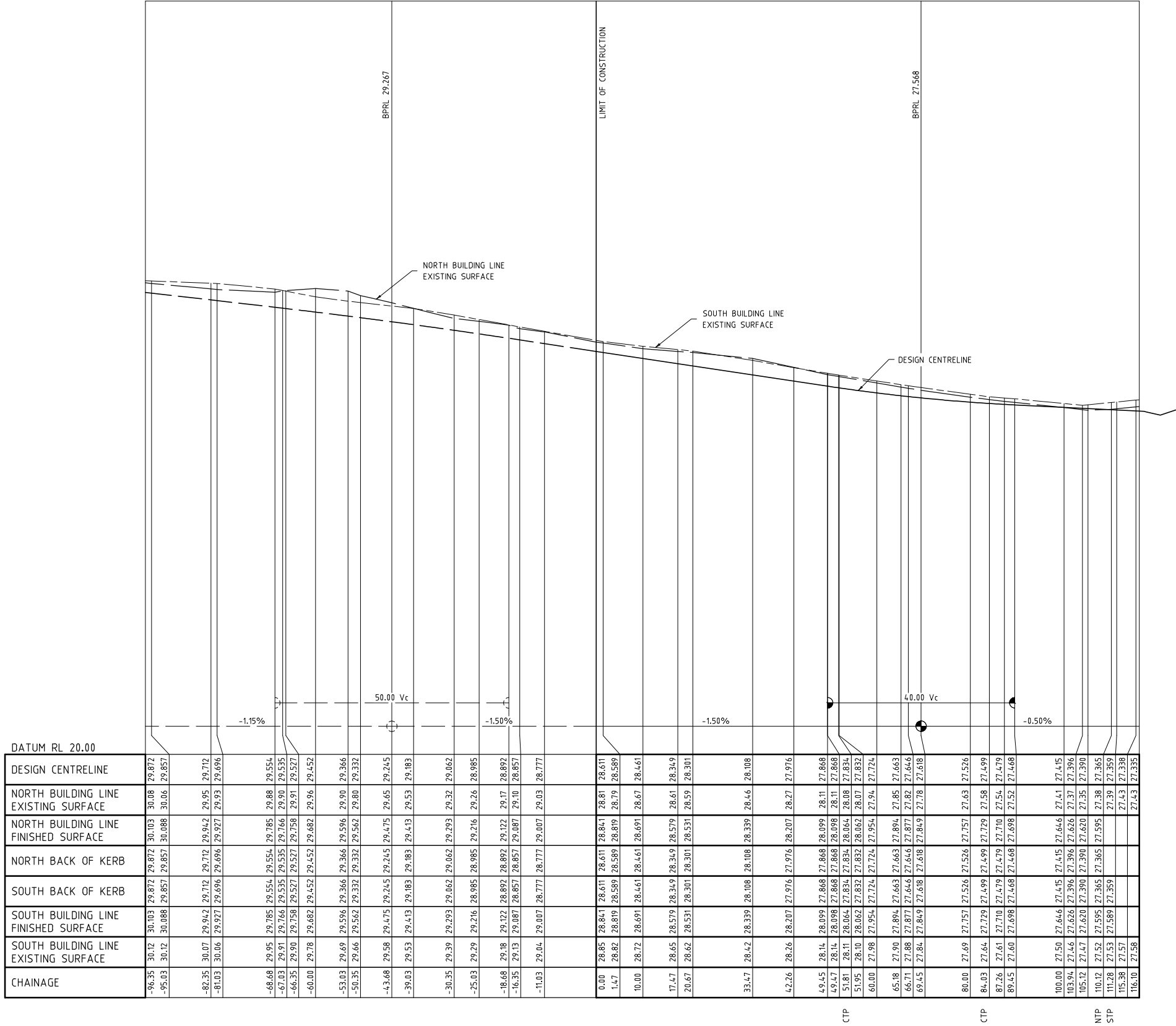
PAVEMENT TO CONSIST OF:

- 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

AMENDMENTS			 <b>Peter Berry &amp; Associates Pty. Ltd.</b> <b>Civil Engineers</b>	<b>153 Yarra Street</b> <b>Geelong Victoria 3220</b> <b>Telephone: 5223 2799</b>				
	11.10.19	VER D - ISSUED FOR CONSTRUCTION						
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK						
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK						
	03.04.19	VER A - PRELIMINARY SUBMISSION						
A1	DESCRIPTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 1			MUNICIPALITY	
	DATE		SURVEYED				GREATER GEELONG	
			DESIGNED P.J.B				REFERENCE	
			DRAWN C.S.				1503 E/1	
			CHECKED				SCALE AS SHOWN	DATUM



DUNVIEW DRIVE LONGITUDINAL SECTION

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

AMENDMENTS

11.10.19	VER D - ISSUED FOR CONSTRUCTION
09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK
05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK
03.04.19	VER A - PRELIMINARY SUBMISSION
DATE	DESCRIPTION

A1

1 : 500

10 5 0 10 20 30

1 : 50

1 0.5 0 1 2 3

METRES

Peter Berry & Associates Pty. Ltd.

Civil Engineers

MELWAY REF.

SURVEYED

DESIGNED P.J.B

DRAWN C.S.

CHECKED

KINGSTON COAST ESTATE

STAGE 1

SCALE AS SHOWN

DATUM AHD

DATE APR '19

MUNICIPALITY

GREATER GEELONG

REFERENCE

1503 E/1

SHEET 13 OF 38

153 Yarra Street

Geelong Victoria 3220

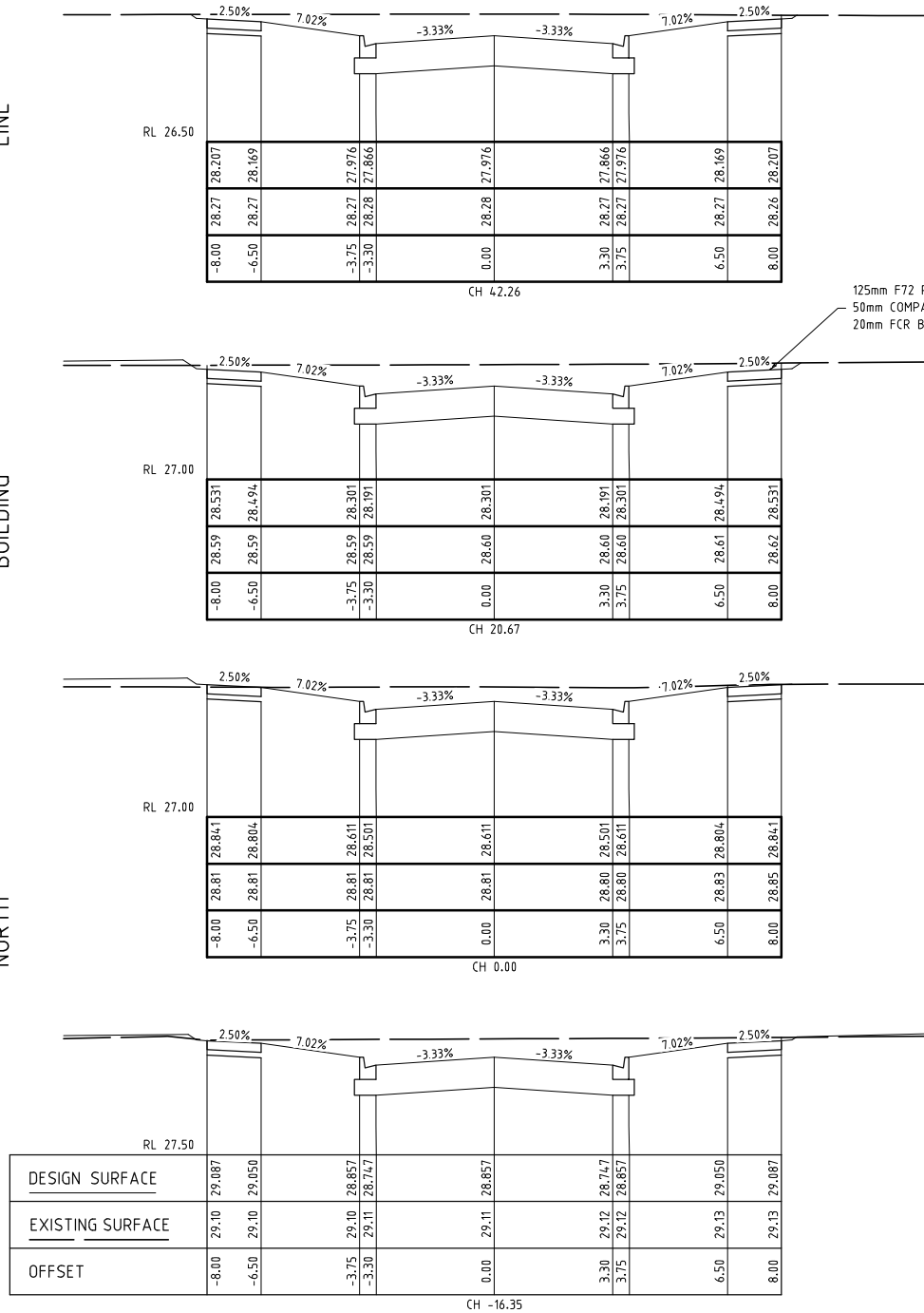
Telephone: 5223 2799



LINE

BUILDING

NORTH



DUNEVIEW DRIVE CROSS SECTIONS  
SCALES - HORIZ. 1 : 100  
VERT. 1 : 50

LINE

BUILDING

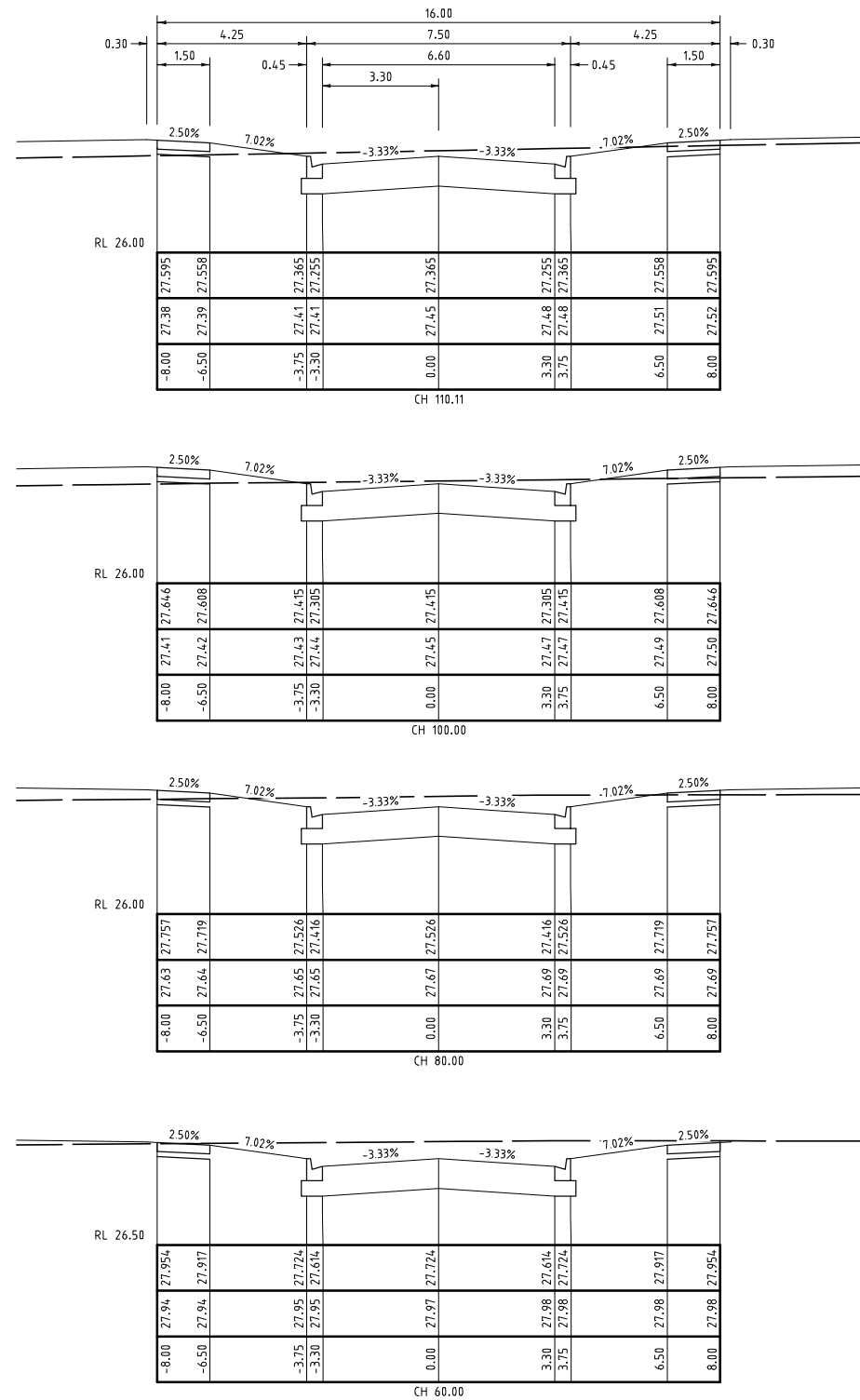
SOUTH

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

NORTH





LINE



BUILDING

SOUTH

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

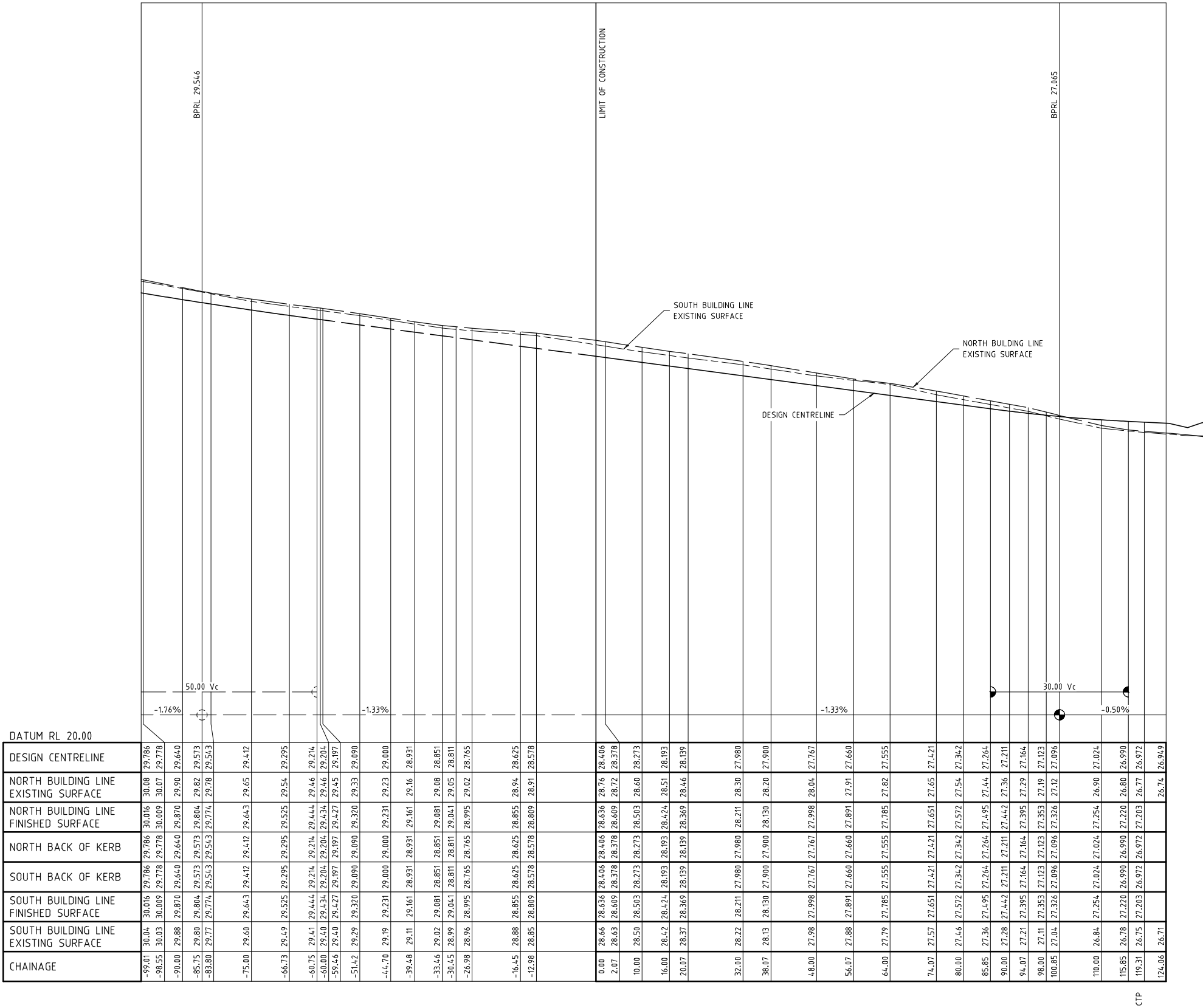
AMENDMENTS				Peter Berry & Associates Pty. Ltd.			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
									Civil Engineers	
	11.10.19	VER D - ISSUED FOR CONSTRUCTION								
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK								
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK								
	03.04.19	VER A - PRELIMINARY SUBMISSION								
	DATE	DESCRIPTION								
A1										
			MELWAY REF.	KINGSTON COAST ESTATE STAGE 1			MUNICIPALITY			
			SURVEYED				GREATER GEELONG			
			DESIGNED P.J.B				REFERENCE			
			DRAWN C.S.				1503 E/1			
			CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	14 OF 38



AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION		Peter Berry & Associates Pty. Ltd.			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK						
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK		MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY	
	03.04.19	VER A - PRELIMINARY SUBMISSION		SURVEYED			GREATER GEELONG	
	DATE	DESCRIPTION		DESIGNED P.J.B			REFERENCE	
A1			DRAWN C.S.	1503 E/1			SHEET 15 OF 38	
			CHECKED					
			SCALE AS SHOWN	DATUM AHD	DATE APR '19			





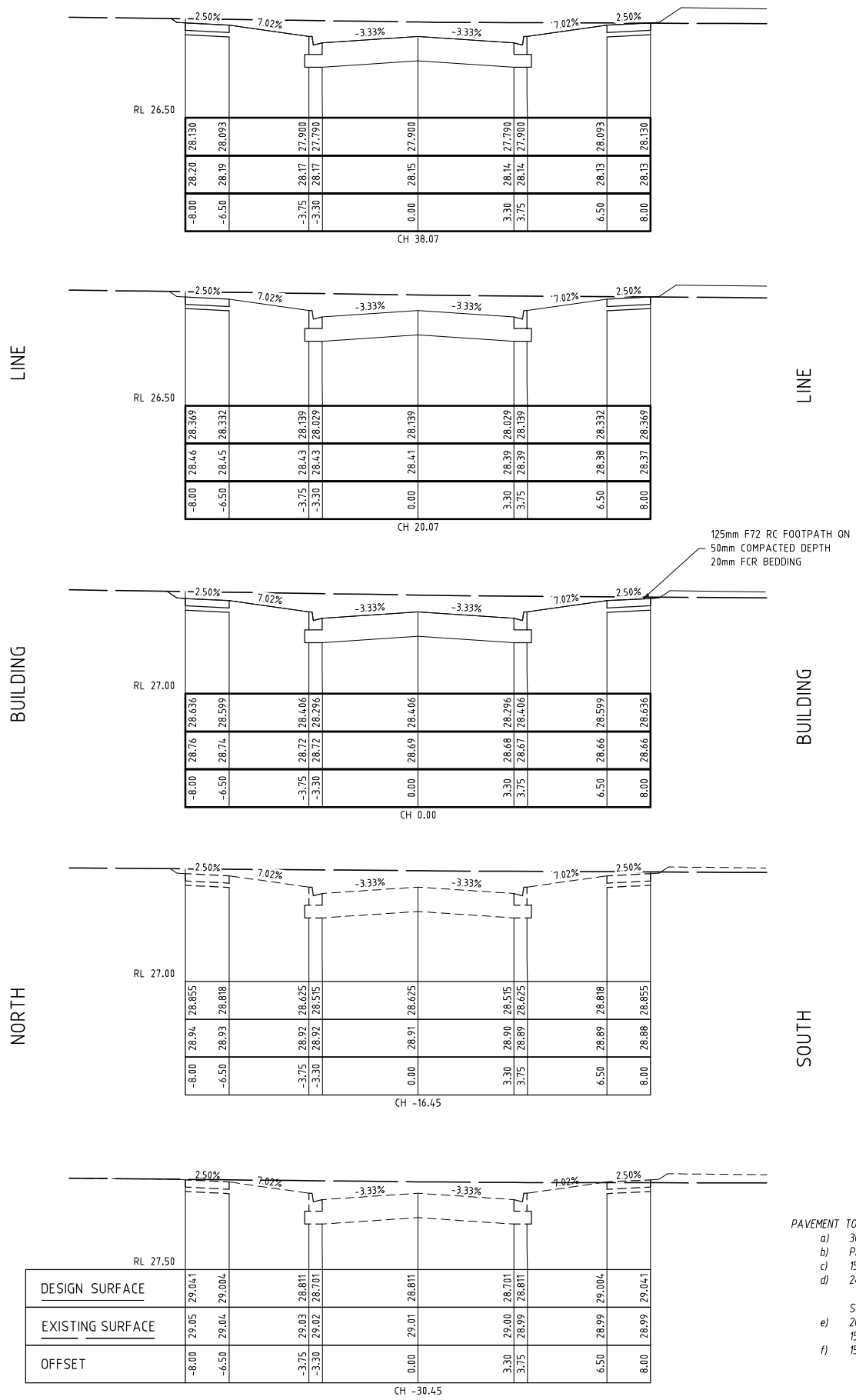


DATUM RL 20.00						
CHAINAGE	DESIGN CENTRELINE	NORTH BUILDING LINE EXISTING SURFACE	NORTH BUILDING LINE FINISHED SURFACE	NORTH BACK OF KERB	SOUTH BACK OF KERB	SOUTH BUILDING LINE FINISHED SURFACE
-99.01	30.04	29.786	30.016	29.786	29.786	30.016
-98.55	30.03	29.778	30.009	29.778	29.778	30.009
-90.00	29.88	29.640	29.640	29.640	29.640	29.640
-85.75	29.80	29.573	29.573	29.573	29.573	29.573
-83.80	29.77	29.774	29.543	29.543	29.774	29.543
-75.00	29.60	29.643	29.643	29.643	29.643	29.643
-66.73	29.49	29.525	29.295	29.295	29.525	29.295
-60.75	29.41	29.444	29.214	29.214	29.444	29.214
-60.00	29.40	29.434	29.204	29.204	29.434	29.204
-59.46	29.40	29.427	29.197	29.197	29.427	29.197
-51.42	29.29	29.320	29.090	29.090	29.320	29.090
-44.70	29.19	29.231	29.000	29.000	29.231	29.000
-39.48	29.11	29.161	28.931	28.931	29.161	28.931
-33.46	29.02	29.081	28.851	28.851	29.081	28.851
-30.45	28.99	29.041	28.811	28.811	29.041	28.811
-26.98	28.96	28.995	28.765	28.765	28.995	28.765
-16.45	28.88	28.855	28.625	28.625	28.855	28.625
-12.98	28.85	28.809	28.578	28.578	28.809	28.578
0.00	28.66	28.636	28.406	28.406	28.636	28.406
2.07	28.63	28.609	28.378	28.378	28.609	28.378
10.00	28.50	28.503	28.273	28.273	28.503	28.273
16.00	28.42	28.424	28.193	28.193	28.424	28.193
20.07	28.37	28.369	28.139	28.139	28.369	28.139
32.00	28.22	28.211	27.980	27.980	28.211	27.980
36.07	28.13	28.130	27.900	27.900	28.130	27.900
48.00	27.98	27.998	27.767	27.767	27.998	27.767
56.07	27.88	27.891	27.660	27.660	27.891	27.660
64.00	27.79	27.785	27.555	27.555	27.785	27.555
74.07	27.57	27.651	27.421	27.421	27.651	27.421
80.00	27.46	27.572	27.342	27.342	27.572	27.342
85.85	27.36	27.495	27.264	27.264	27.495	27.264
90.00	27.28	27.442	27.211	27.211	27.442	27.211
94.07	27.21	27.395	27.164	27.164	27.395	27.164
98.00	27.11	27.353	27.123	27.123	27.353	27.123
100.85	27.04	27.326	27.096	27.096	27.326	27.096
110.00	26.84	27.254	27.024	27.024	27.254	26.90
115.85	26.78	27.220	26.990	26.990	27.220	26.80
119.31	26.75	27.203	26.972	26.972	27.203	26.77
124.06	26.71					26.74

RIPVIEW DRIVE LONGITUDINAL SECTION

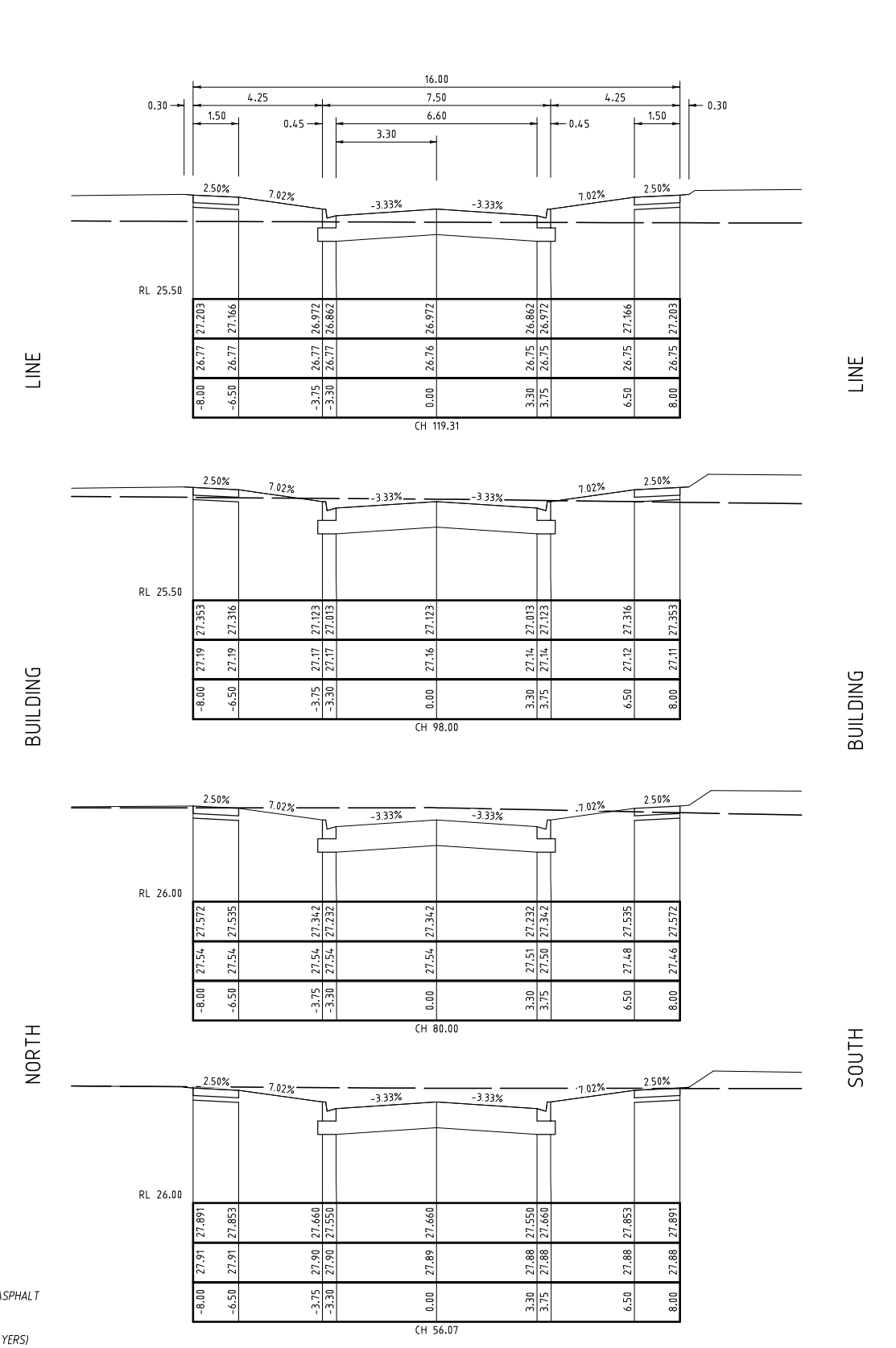
SCALES - HORIZ. 1 : 500  
VERT. 1 : 50

AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION	<div><div><div>Peter Berry &amp; Associates Pty. Ltd.</div><div>Civil Engineers</div></div><div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div></div>			
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK				
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK				
	03.04.19	VER A - PRELIMINARY SUBMISSION				
	DATE	DESCRIPTION				
A1	1 : 500	10 5 0 10 20 30	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY GREATER GEELONG
	1 : 50	1 0.5 0 1 2 3	SURVEYED			REFERENCE 1503 E/1
			DESIGNED P.J.B.			SHEET 17 OF 38
			DRAWN C.S.	SCALE AS SHOWN	DATUM AHD	DATE APR '19
			CHECKED			




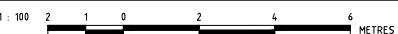
DESIGN SURFACE	29.041	28.811	28.811	28.811	28.701	28.811	29.004	29.041
EXISTING SURFACE	29.05	29.04	29.03	29.02	29.01	29.01	28.99	29.004
OFFSET	-8.00	-6.50	-3.75	-3.30	0.00	3.30	3.75	6.50

- 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





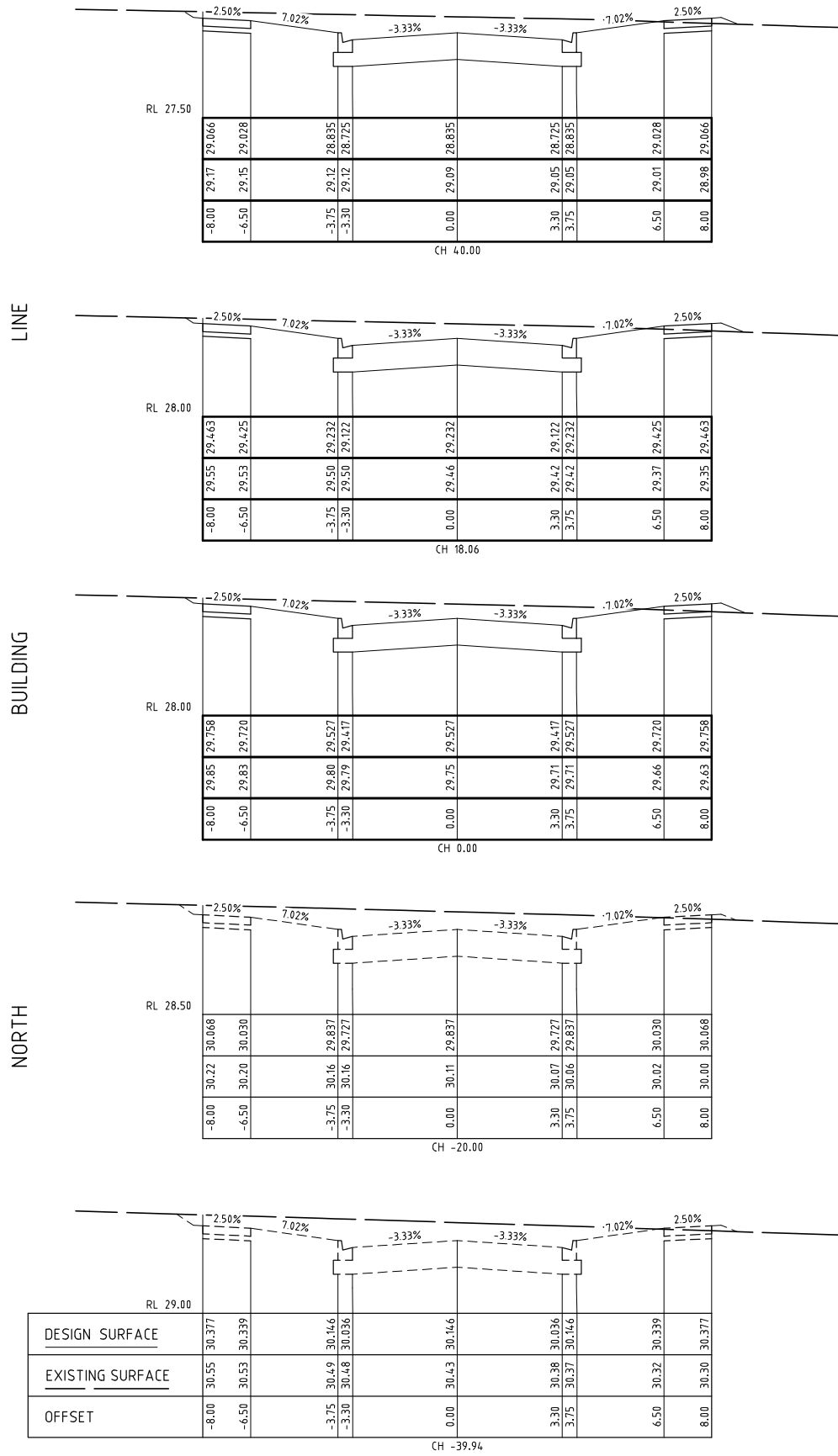
NOTE:  
BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 5 FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE SHOWN.

RIPVIEW DRIVE CROSS SECTIONS  
SCALES - HORIZ. 1 : 100  
VERT. 1 : 50

AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION		Peter Berry & Associates Pty. Ltd.		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799					
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK		Civil Engineers							
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK		MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY GREATER GEELONG				
	03.04.19	VER A - PRELIMINARY SUBMISSION		SURVEYED			REFERENCE 1503 E/1				
	DATE	DESCRIPTION		DESIGNED P.J.B.							
A1	1 : 100		DRAWN C.S.	CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	18 OF 38



AMENDMENTS			 <b>Peter Berry &amp; Associates Pty. Ltd.</b> <b>Civil Engineers</b>	<b>153 Yarra Street</b> <b>Geelong Victoria 3220</b> <b>Telephone: 5223 2799</b>			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION					
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK					
	03.04.19	VER A - PRELIMINARY SUBMISSION					
	<b>DATE</b>	<b>DESCRIPTION</b>	<b>MELWAY REF.</b>	<b>KINGSTON COAST ESTATE</b> <b>STAGE 1</b>			<b>MUNICIPALITY</b>
			<b>SURVEYED</b>				<b>GREATER GEELONG</b>
			<b>DESIGNED</b> P.J.B				<b>REFERENCE</b>
A1			<b>DRAWN</b> C.S.				<b>1503<sup>E</sup>/1</b>
			<b>CHECKED</b>				<b>SCALE AS SHOWN</b>

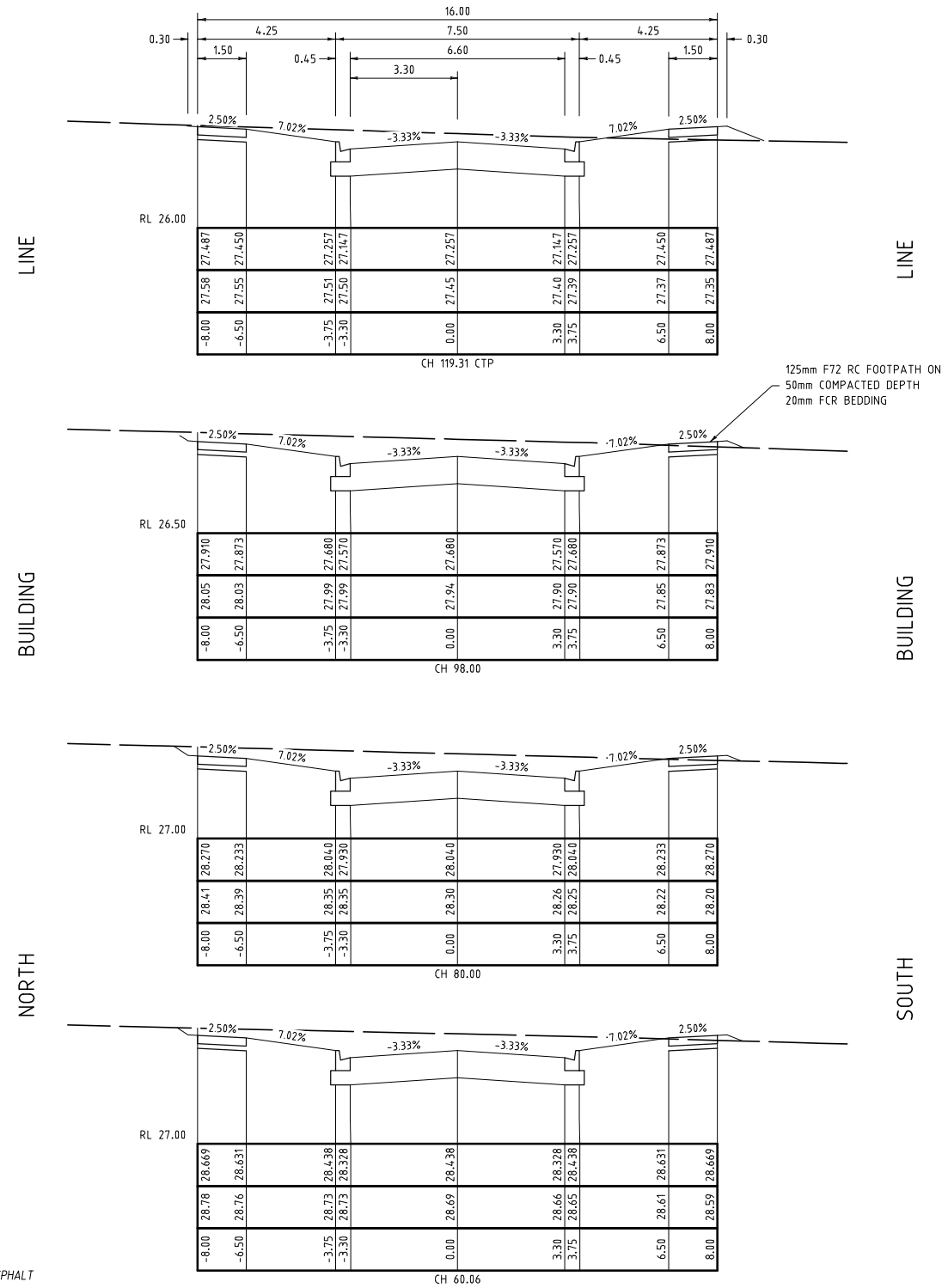


WATTLESIDE DRIVE CROSS SECTIONS

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.

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

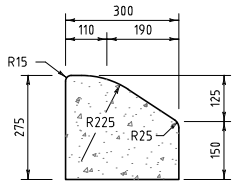


AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION	<div>Peter Berry &amp; Associates Pty. Ltd. Civil Engineers</div> <div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div>			
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK				
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		
	03.04.19	VER A - PRELIMINARY SUBMISSION	SURVEYED			
	DATE	DESCRIPTION	DESIGNED P.J.B			
A1	1:100	1 0 2 4 6	DRAWN C.S.	SCALE AS SHOWN DATUM AHD DATE APR '19		
	1:50	1 0.5 0 1 2 3	CHECKED			
				MUNICIPALITY GREATER GEELONG		
				REFERENCE 1503 E/1		
				SHEET 20 OF 38		

KERB SETOUT SCHEDULE

POINT No	EASTING	NORTHING	ELEVATION
1	2472.595	695.707	27.022
2	2474.703	699.323	26.983
3	2476.501	703.103	26.931
4	2477.975	707.021	26.876
5	2479.115	711.049	26.856
6	2479.686	716.108	26.951
7	2479.022	721.157	27.119
8	2477.163	725.897	27.287
9	2474.218	730.050	27.410
10	2471.015	733.345	27.466
11	2467.604	736.422	27.503
12	2463.998	739.269	27.540
13	2460.213	741.873	27.577
14	2464.475	745.525	27.577
15	2468.366	746.206	27.540
16	2472.399	744.143	27.504
17	2476.557	742.346	27.468
18	2480.823	740.821	27.412
19	2486.784	739.779	27.256
20	2492.804	740.401	27.056
21	2498.426	742.640	26.875
22	2503.226	746.326	26.869
23	2505.726	748.998	26.902
24	2508.083	751.798	26.934
25	2510.291	754.715	26.960
26	2512.345	757.744	26.980
27	2518.957	754.162	26.982
28	2517.100	751.062	26.955
29	2515.433	747.856	26.928
30	2513.962	744.556	26.901
31	2512.493	741.173	26.874
32	2511.464	731.749	26.901
33	2513.991	722.586	27.152
34	2519.876	715.123	27.238
35	2528.196	710.529	27.163
36	2516.171	704.177	27.222
37	2509.297	707.135	27.232
38	2501.836	707.730	27.105
39	2494.580	705.899	26.869
40	2488.296	701.834	26.819
41	2484.989	698.624	26.898
42	2481.900	695.204	26.973
43	2479.043	691.587	27.023
44	2476.430	687.791	27.050
45	2479.316	699.267	27.118
46	2480.785	702.896	26.905
47	2482.527	701.779	26.900
48	2480.880	698.812	27.089
49	2482.396	706.876	26.847
50	2483.945	710.703	26.996
51	2486.798	708.614	27.016
52	2486.942	707.135	26.965
53	2485.230	705.059	26.824
54	2471.819	738.593	27.463
55	2472.337	739.322	27.462
56	2475.763	737.661	27.430
57	2478.423	736.618	27.596
58	2480.632	736.055	27.567
59	2482.673	735.616	27.534
60	2478.887	732.288	27.571
61	2476.986	733.984	27.596
62	2474.717	736.008	27.625
63	2504.681	740.442	26.998
64	2506.178	742.079	27.016
65	2508.027	744.100	27.062
66	2508.994	745.157	27.077
67	2509.745	744.690	27.035
68	2509.219	743.340	27.020
69	2508.220	740.772	26.983
70	2506.926	737.447	26.981
71	2504.796	738.917	27.038
72	2512.513	715.212	27.405

POINT No	EASTING	NORTHING	ELEVATION
73	2519.170	710.196	27.389
74	2521.038	708.897	27.382
75	2521.946	705.702	27.371
76	2518.843	707.572	27.384
77	2515.642	709.269	27.390
78	2512.353	710.788	27.389
79	2508.985	712.124	27.382
80	2502.497	719.471	27.501
81	2497.473	715.972	27.294
82	2491.445	717.051	27.248
83	2487.947	722.076	27.335
84	2489.026	728.103	27.578
85	2494.050	731.602	27.333
86	2500.078	730.523	27.249
87	2503.576	725.498	27.293
88	2499.971	721.089	27.430
89	2496.831	718.902	27.506
90	2493.044	719.577	27.450
91	2490.877	722.717	27.515
92	2491.552	726.484	27.680
93	2494.692	728.671	27.543
94	2498.459	727.997	27.472
95	2500.646	724.856	27.508

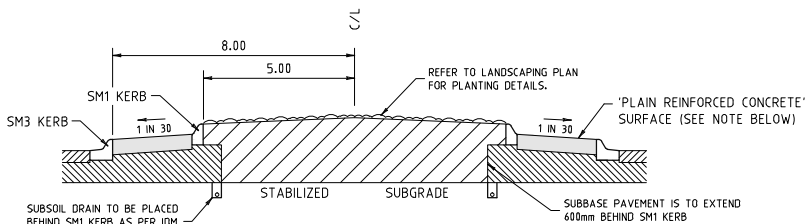


SM1 KERB SECTION  
(NOT TO SCALE)

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

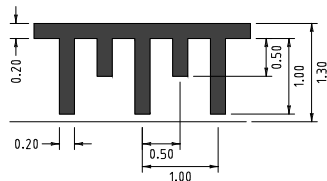


TYPICAL SECTION - ROUNDABOUT  
(NOT TO SCALE)

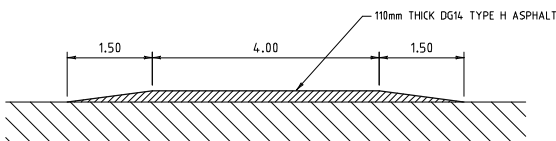
PAVEMENT COMPOSITION (CONCRETE ROUNDABOUT/TRAFFIC ISLAND INFILLS) -

- 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.

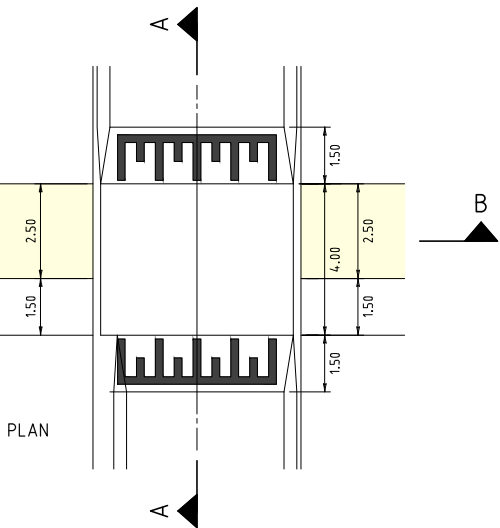
- REINFORCEMENT IS TO BE ADEQUATELY SUPPORTED BY APPROPRIATE SIZED CHAIRS PRIOR TO THE POURING/PLACEMENT OF CONCRETE.
- CONCRETE PAVEMENT TO BE CAST MONOLITHICALLY.



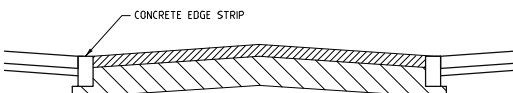
DETAIL  
(NOT TO SCALE)



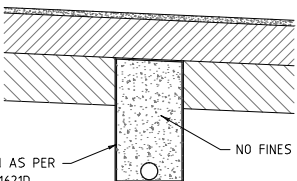
SECTION A-A  
(NOT TO SCALE)



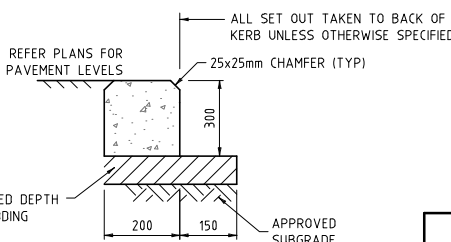
RAISED PAVEMENT PLAN  
(NOT TO SCALE)



CONCRETE EDGE STRIP SECTION  
(NOT TO SCALE)



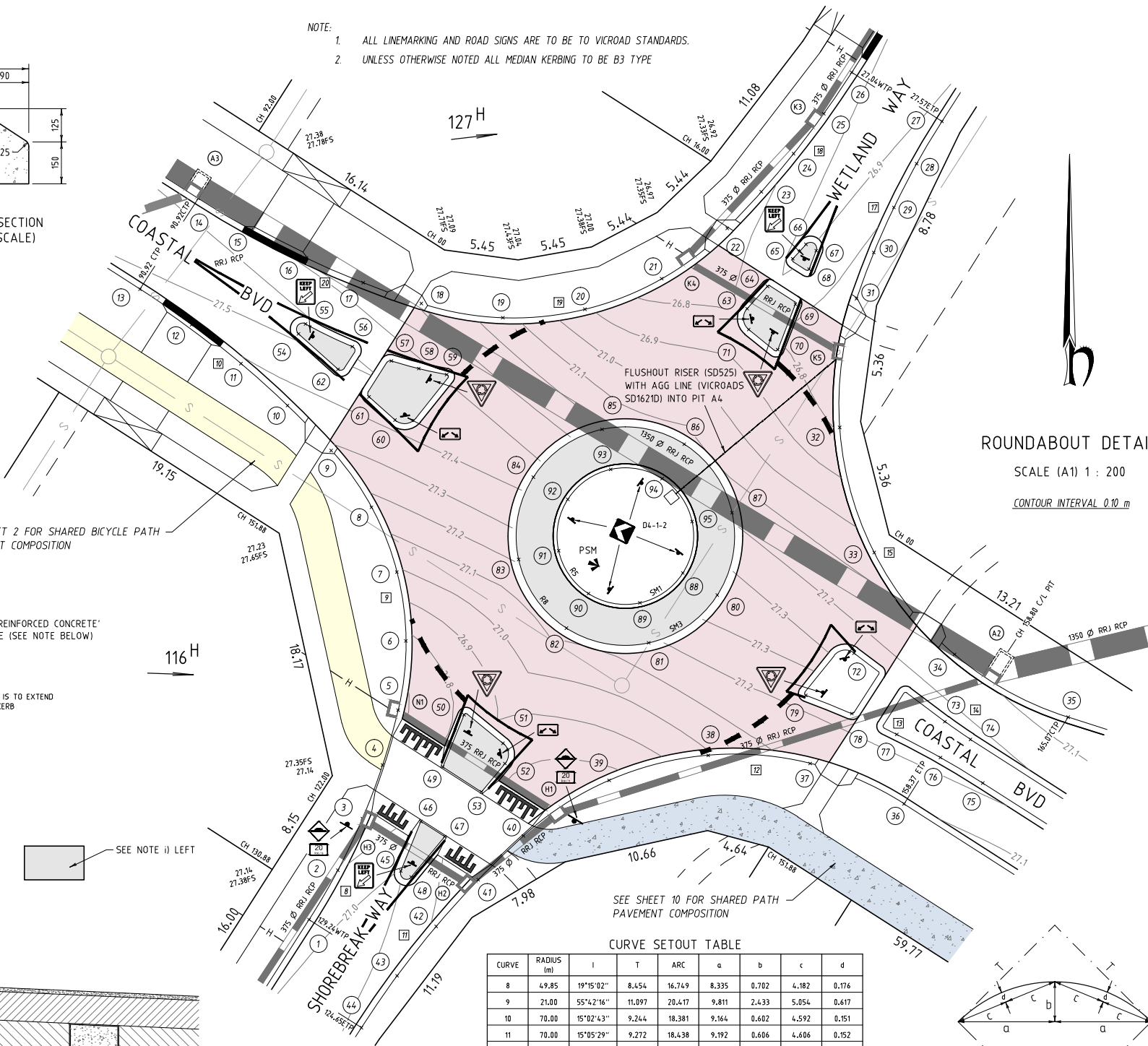
SUBSURFACE DRAIN DETAIL FROM ROUNDABOUT



CONCRETE EDGE STRIP SECTION  
(NOT TO SCALE)

CONTRACTOR IS TO ENSURE RAISED PAVEMENT CROSSING IS ABLE TO DRAIN WATER AWAY EFFECTIVELY

- NOTE:
- ALL LINEMARKING AND ROAD SIGNS ARE TO BE TO VICROAD STANDARDS.
  - UNLESS OTHERWISE NOTED ALL MEDIAN KERBING TO BE B3 TYPE



ROUNDABOUT DETAIL

SCALE (A1) 1 : 200


CONTOUR INTERVAL 0.10 m



CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
8	49.85	19°15'02"	8.454	16.749	8.335	0.702	4.182	0.176
9	21.00	55°42'16"	11.097	20.417	9.811	2.433	5.054	0.617
10	70.00	15°02'43"	9.244	18.381	9.164	0.602	4.592	0.151
11	70.00	15°05'29"	9.272	18.438	9.192	0.606	4.606	0.152
12	23.00	74°54'31"	17.619	30.070	13.987	4.742	7.384	1.218
13	65.96	12°35'23"	7.276	14.494	7.232	0.398	3.622	0.099
14	30.00	4°20'48"	1.139	2.276	1.138	0.022	0.569	0.005
15	24.00	91°21'49"	24.578	38.270	17.171	7.233	9.316	1.882
17	60.00	13°48'12"	7.263	14.455	7.210	0.435	3.612	0.109
18	70.35	11°55'22"	7.346	14.639	7.306	0.380	3.658	0.095
19	22.00	63°14'36"	13.546	24.284	11.535	3.246	5.994	0.832
20	70.00	14°50'02"	9.113	18.123	9.036	0.586	4.528	0.167

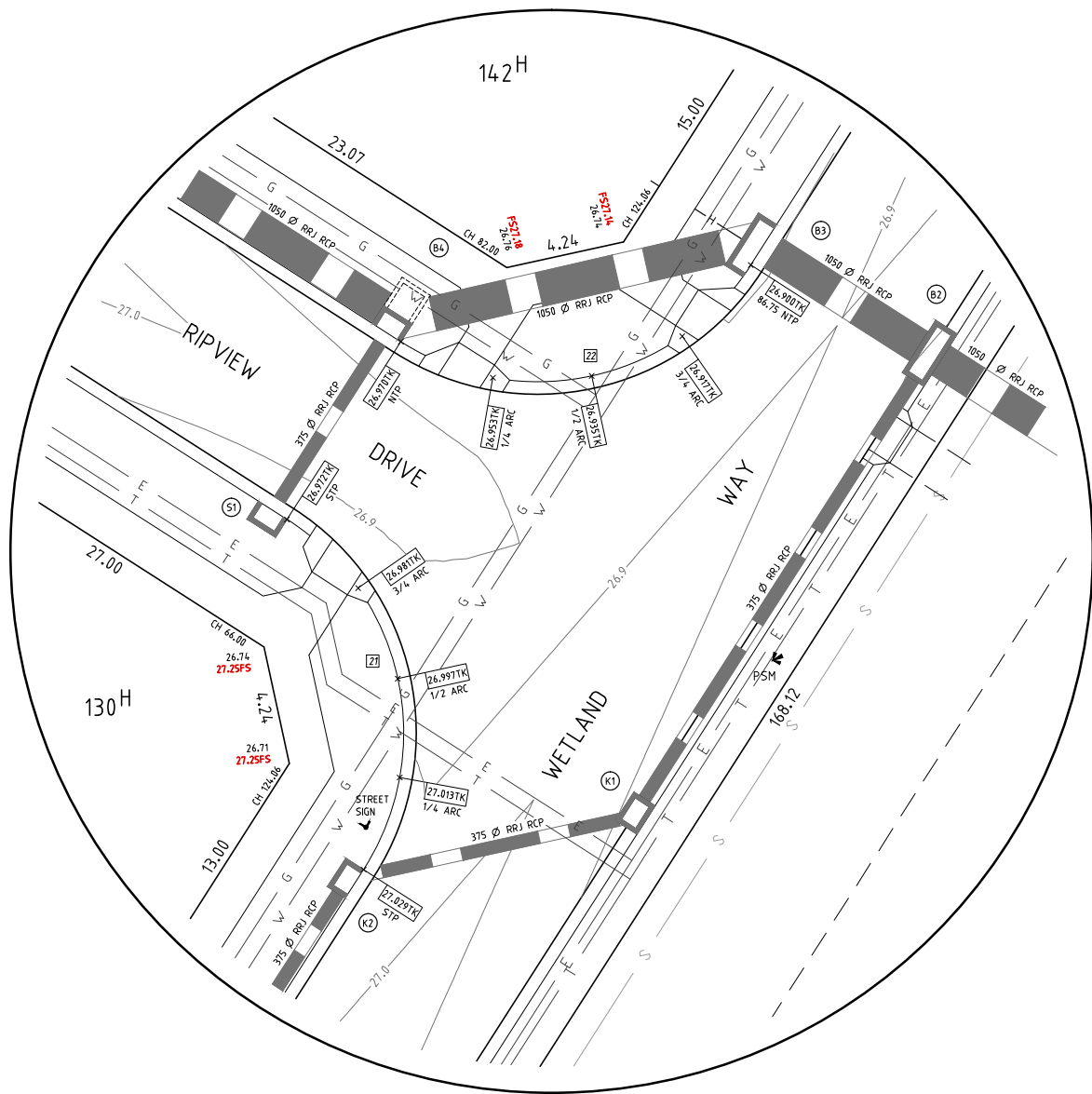
NOTE: ALL CURVE RADII LABELLED THUS - [ ] ARE TO BACK OF KERB

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
COASTAL BOULEVARD (CH00-130)	1.90 S	2.10 N	2.70 N	2.60 S	VARIABLE
COASTAL BOULEVARD (CH130-END)	3.40 S	0.60 N	1.20 N	4.10 S	VARIABLE
WETLAND WAY	0.90 E	2.10 W	2.70 W	1.20 E	4.25W/1.55E
SHOREBREAK WAY	0.90 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

AMENDMENTS	14.11.19	VER E - SHARED PATH - EXPOSED AGGREGATE	 Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799
	11.10.19	VER D - ISSUED FOR CONSTRUCTION		
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK		
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK		
A1	03.04.19	VER A - PRELIMINARY SUBMISSION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1
	DATE	DESCRIPTION	SURVEYED	
			DESIGNED P.J.B.	
			DRAWN C.S.	
A1	1 : 200	4 2 0 4 8 12 METRES	CHECKED	SCALE AS SHOWN DATUM AHD DATE APR '19 SHEET 21 OF 38
				MUNICIPALITY GREATER GEELONG REFERENCE 1503 E/1

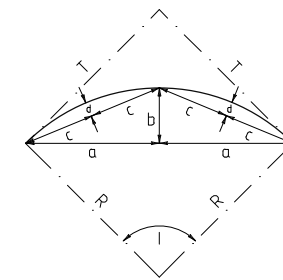
AMENDMENTS			 <b>Peter Berry &amp; Associates Pty. Ltd.</b> <b>Civil Engineers</b>	<b>153 Yarra Street</b> <b>Geelong Victoria 3220</b> <b>Telephone: 5223 2799</b>			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION					
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK					
	03.04.19	VER A - PRELIMINARY SUBMISSION					
A1	DATE	DESCRIPTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1			MUNICIPALITY
			SURVEYED				GREATER GEELONG
			DESIGNED P.J.B				REFERENCE
			DRAWN C.S.				1503 E/1
			CHECKED				SCALE AS SHOWN



INTERSECTION DETAIL

SCALE (A1) 1 : 125

CONTOUR INTERVAL 0.10 m

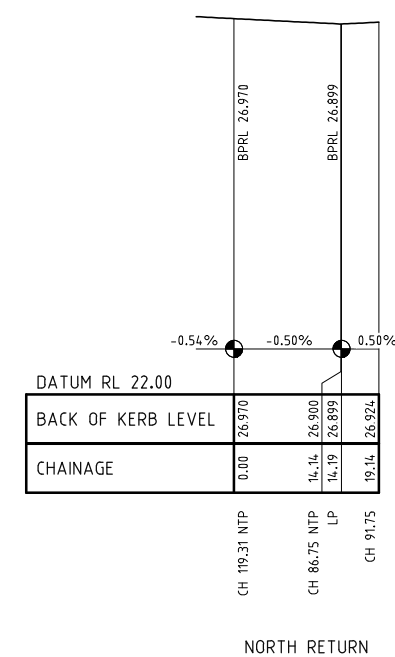
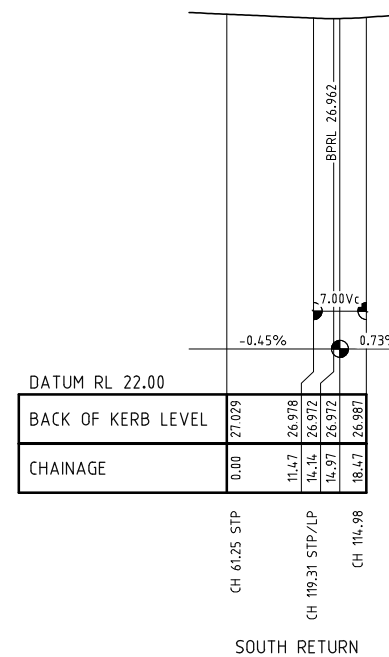


CURVE SETOUT DETAIL  
(NOT TO SCALE)

CURVE SETOUT TABLE



CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
21	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685
22	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685

NOTE: ALL CURVE RADN LABELLED THUS - [T] ARE TO BACK OF KERB



SERVICES LOCATION SCHEDULE

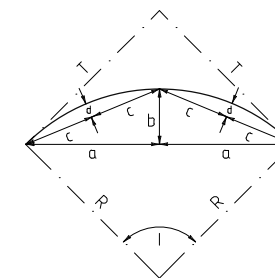
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
WETLAND WAY	0.90 E	2.10 W	2.70 W	1.20 E	4.25W/1.55E
RIPVIEW DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25

AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION	 <div>Peter Berry &amp; Associates Pty. Ltd. Civil Engineers</div>	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK				
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK				
	03.04.19	VER A - PRELIMINARY SUBMISSION				
	DATE	DESCRIPTION				
A1			MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY
			SURVEYED			GREATER GEELONG
			DESIGNED P.J.B			REFERENCE
			DRAWN C.S.			1503 E/1
			CHECKED			SCALE AS SHOWN



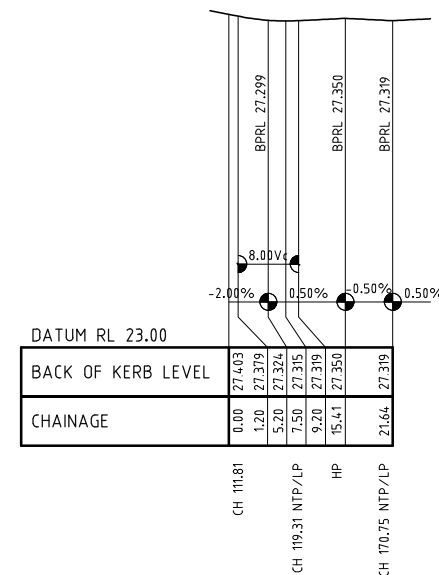


CONTOUR INTERVAL 0.10 m





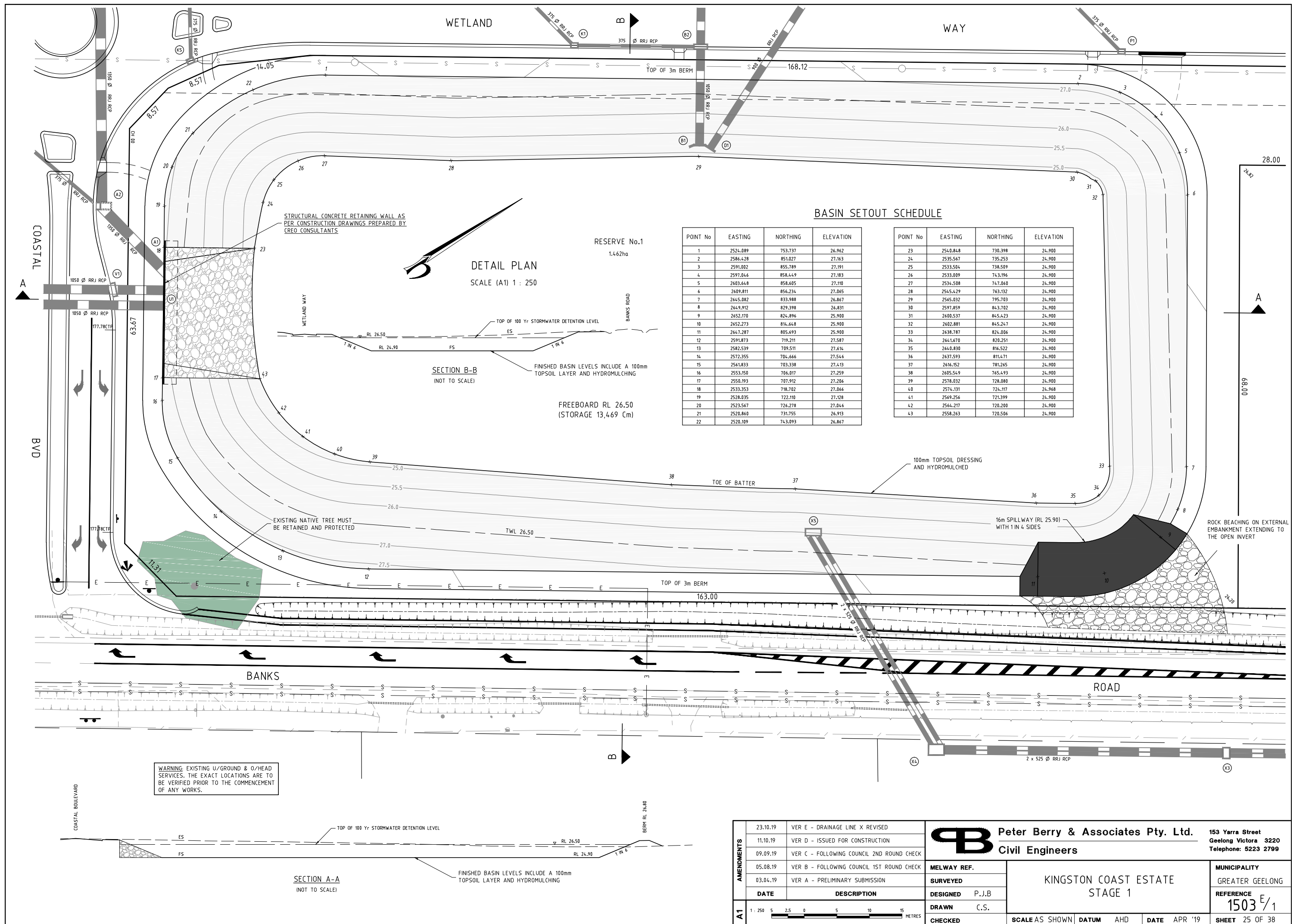
CURVE	RADIUS (m)	l	T	ARC	a	b	c	d
23	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.681
24	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.681

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

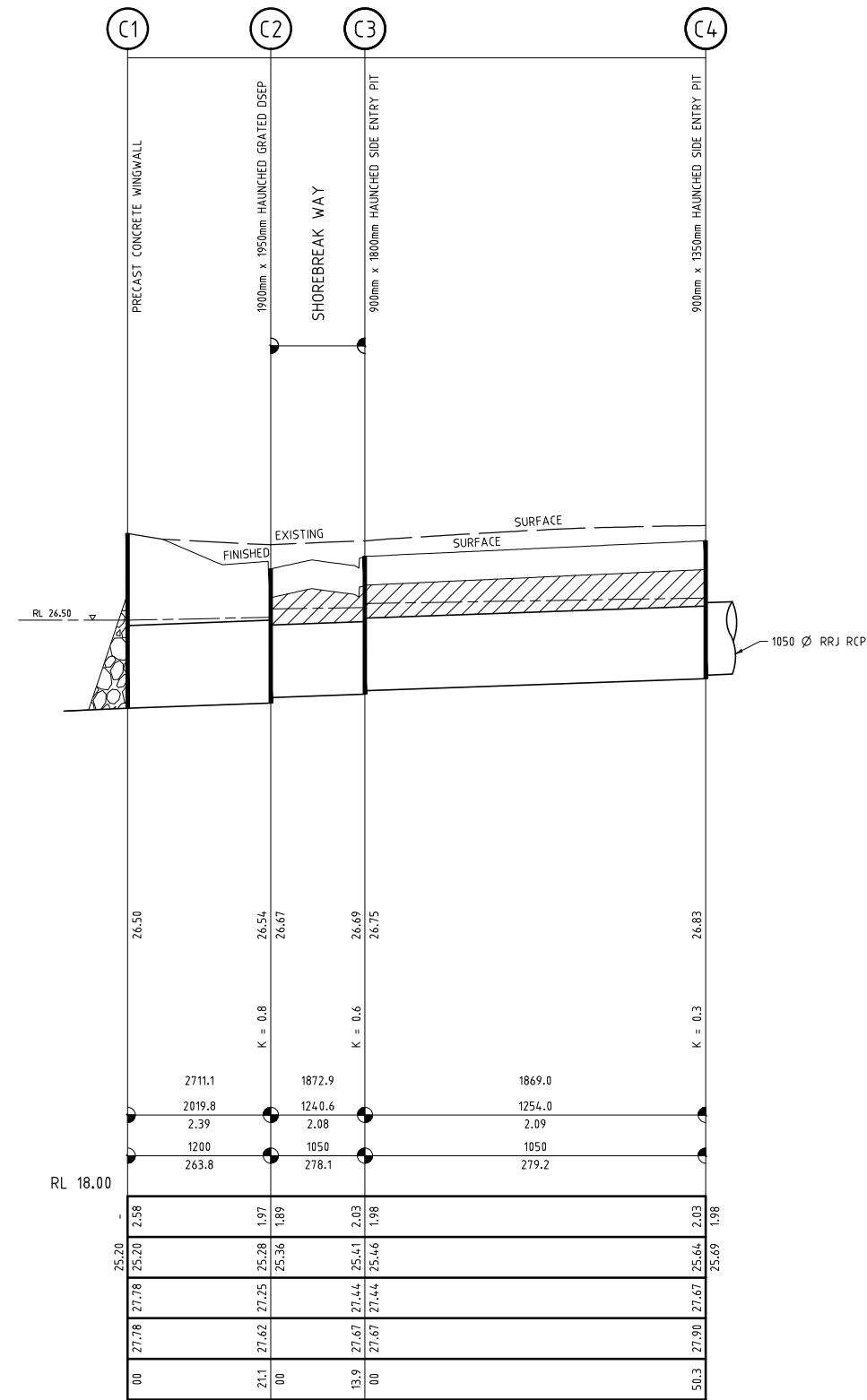
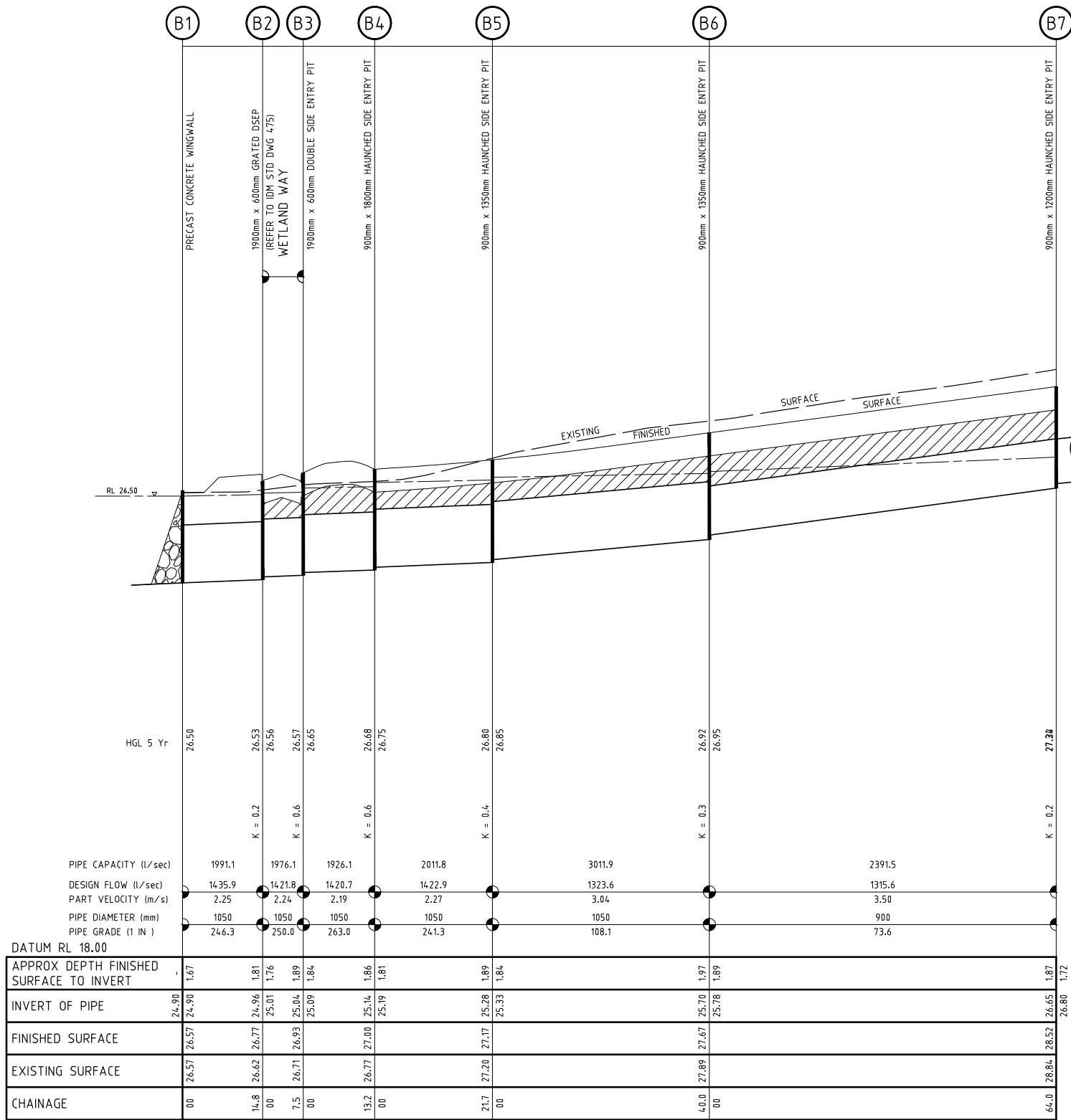


NORTH RETURN

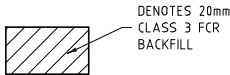
AMENDMENTS	11.10.19	VER E - BASIN RESERVE DRIVEWAY REVISED		Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION									
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK									
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK									
	03.04.19	VER A - PRELIMINARY SUBMISSION									
A1	DATE	DESCRIPTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1				MUNICIPALITY			
			SURVEYED					GREATER GEELONG			
			DESIGNED P.J.B					REFERENCE			
			DRAWN C.S.					1503 E/1			
			CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	24 OF 38	








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





AMENDMENTS	11.10.19	VER D - ISSUED FOR CONSTRUCTION	<b>Peter Berry &amp; Associates Pty. Ltd.</b> Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MUNICIPALITY GREATER GEELONG
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK		
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK		
	03.04.19	VER A - PRELIMINARY SUBMISSION		
	DATE	DESCRIPTION		
A1	1 : 500	1 : 50	KINGSTON COAST ESTATE STAGE 1	REFERENCE 1503 E/1
	1 : 50	1 : 50		
	1 : 50	1 : 50		
A1	1 : 500	1 : 50	SCALE AS SHOWN	DATE APR '19
	1 : 500	1 : 50		
	1 : 500	1 : 50		
A1	1 : 500	1 : 50	DATE APR '19	SHEET 27 OF 38
	1 : 500	1 : 50		
	1 : 500	1 : 50		



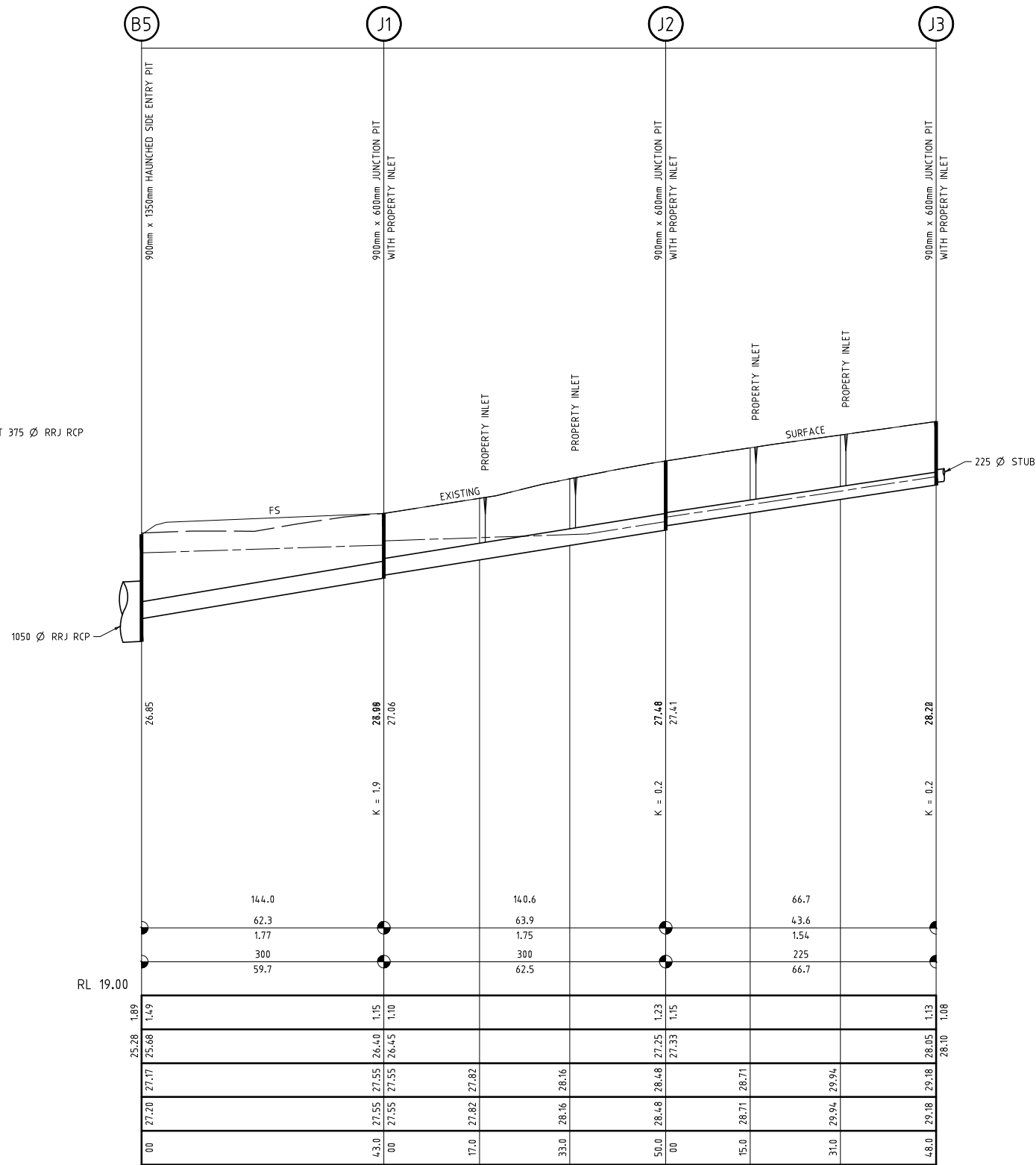
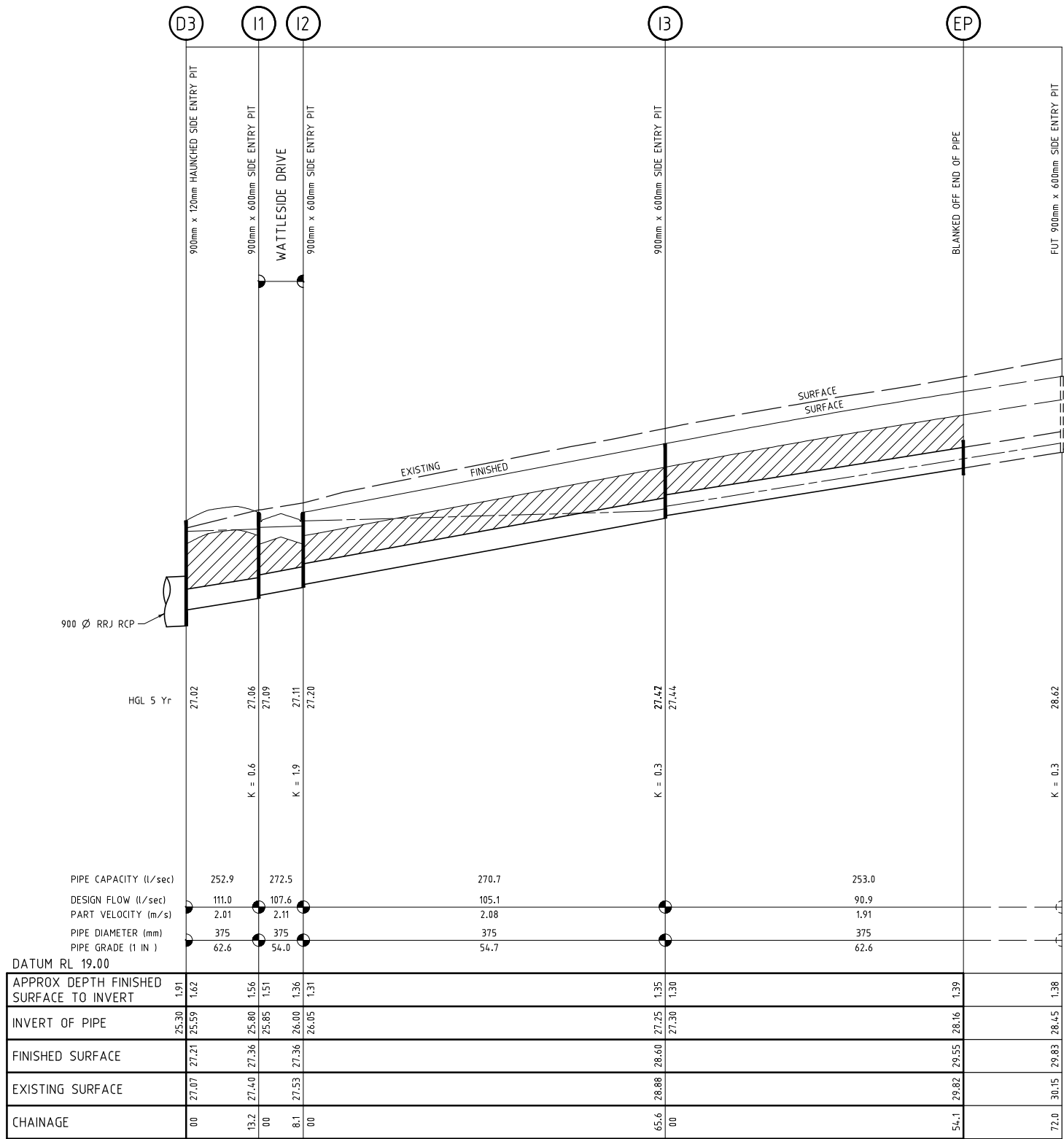




DENOTES 20mm  
CLASS 3 FCR  
BACKFILL

AMENDMENTS				Peter Berry & Associates Pty. Ltd.			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799						
										Civil Engineers			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION											
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK											
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK											
	03.04.19	VER A - PRELIMINARY SUBMISSION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1			MUNICIPALITY						
							GREATER GEELONG						
								REFERENCE					
	DATE	DESCRIPTION	SURVEYED	P.J.B			1503 <sup>E</sup> /1						
			DESIGNED							C.S.			
A1			DRAWN	SCALE AS SHOWN			DATUM		AHD	DATE	APR '19	SHEET	30 OF 38
							CHECKED						





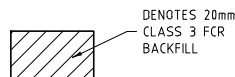
DRAINAGE

LONGITUDINAL

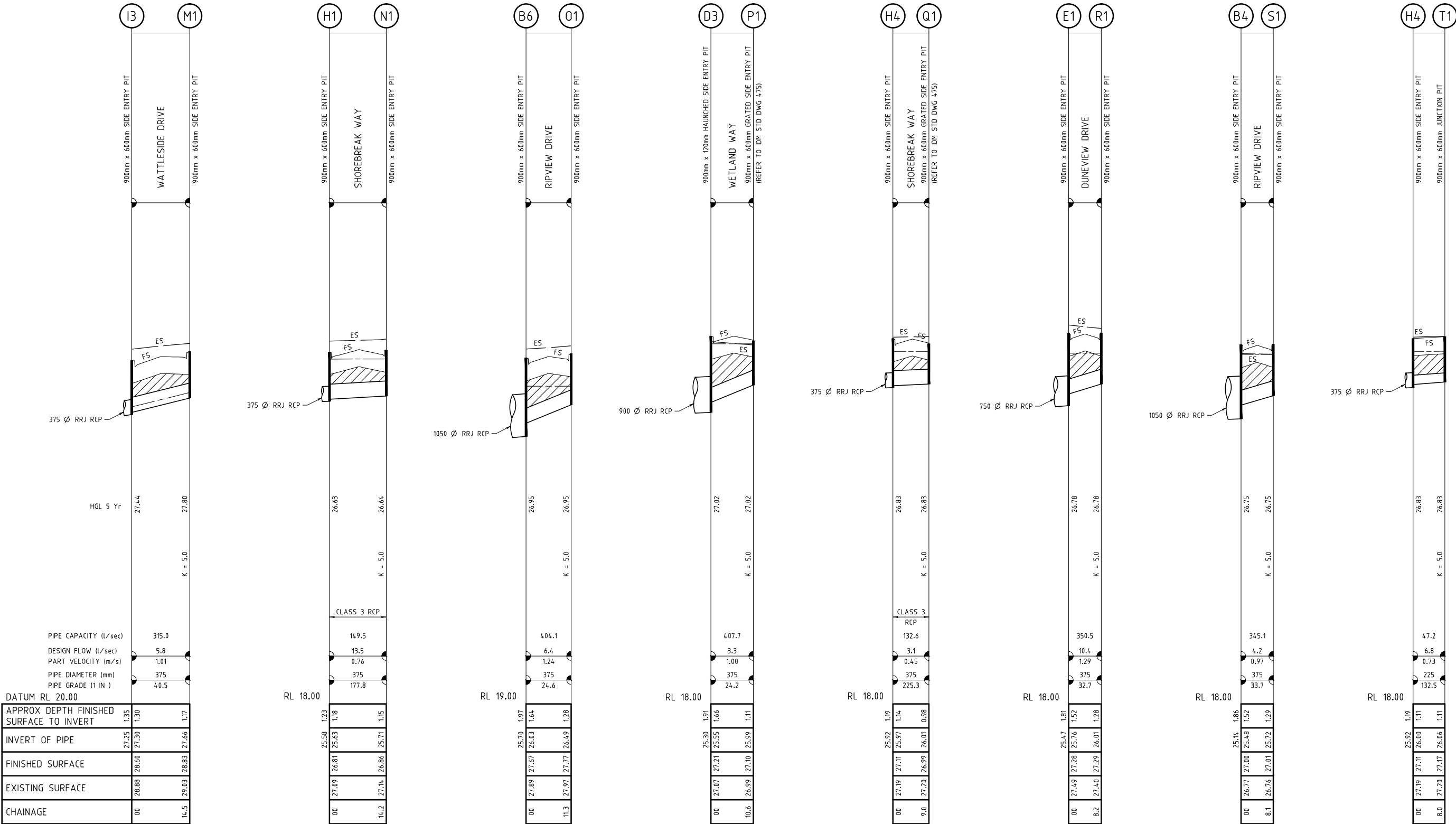
SECTIONS

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.



AMENDMENTS			<div><div><div></div></div><div>Peter Berry &amp; Associates Pty. Ltd. Civil Engineers</div></div> <div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div>				
	11.10.19	VER D - ISSUED FOR CONSTRUCTION					
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK					
	03.04.19	VER A - PRELIMINARY SUBMISSION					
	DATE	DESCRIPTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1			MUNICIPALITY GREATER GEELONG
			SURVEYED				REFERENCE 1503 E/1
			DESIGNED P.J.B.				
A1			DRAWN C.S.				SHEET 31 OF 38
	1 : 500 1 : 50	<div><div><div></div></div><div>10 1</div><div>5 0.5</div><div>0 0</div><div>10 1</div><div>20 2</div><div>30 3</div></div> METRES	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR '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.



AMENDMENTS

11.10.19	VER D - ISSUED FOR CONSTRUCTION
09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK
05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK
03.04.19	VER A - PRELIMINARY SUBMISSION
DATE	DESCRIPTION

A1

1 : 500	10	5	0	10	20	30
1 : 50	1	0.5	0	1	2	3

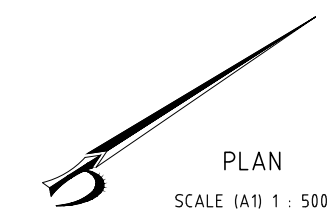
METRES

Peter Berry & Associates Pty. Ltd.

Civil Engineers

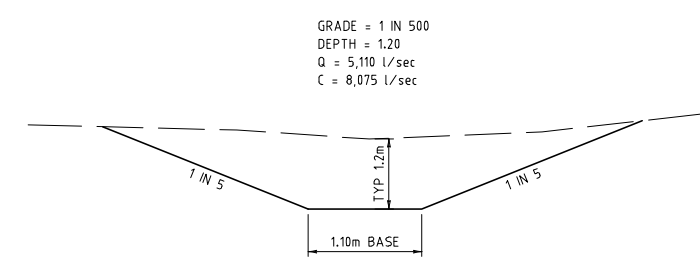
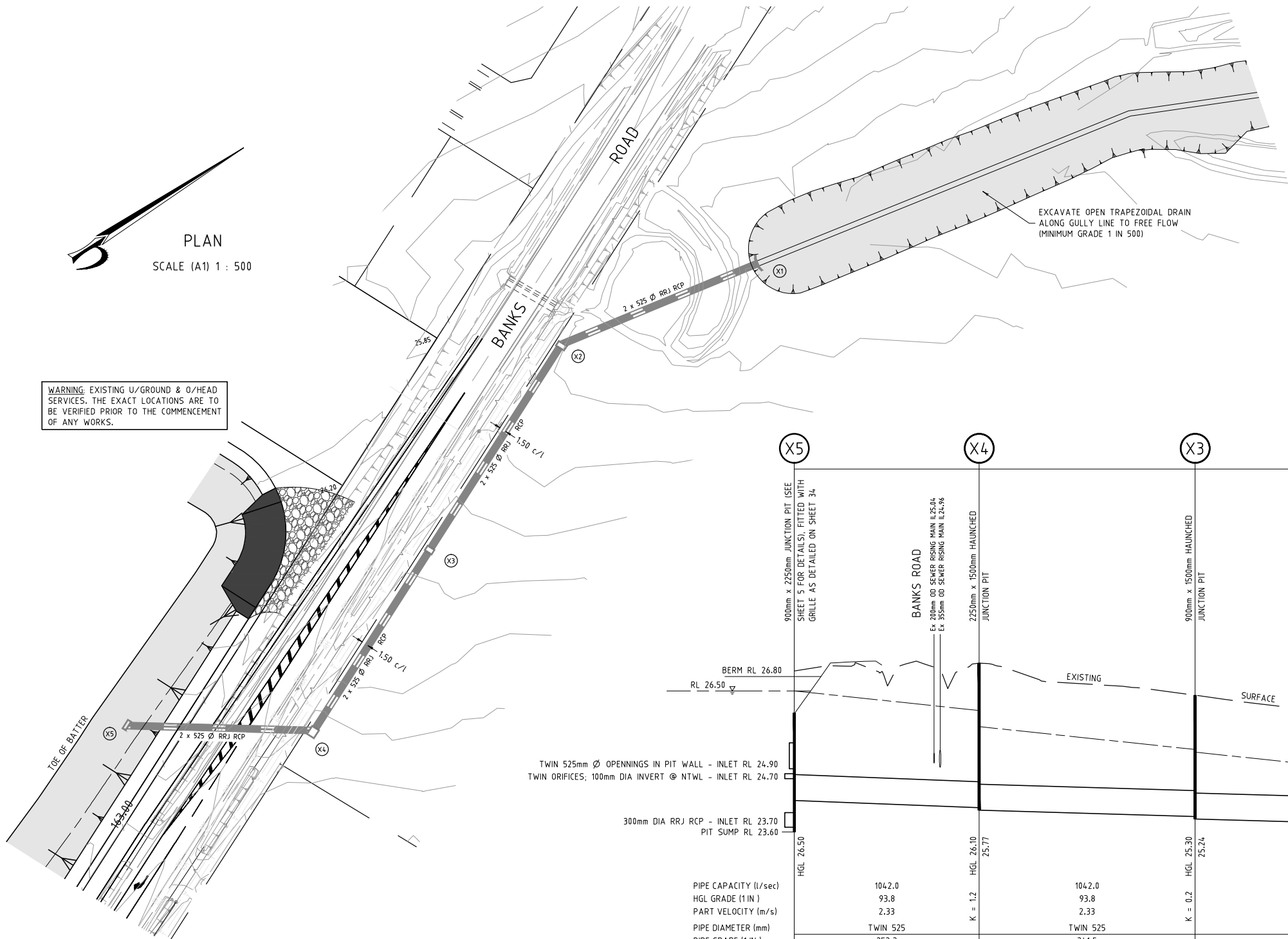
153 Yarra Street  
Geelong Victoria 3220  
Telephone: 5223 2799

MELWAY REF.	KINGSTON COAST ESTATE STAGE 1	MUNICIPALITY
SURVEYED		GREATER GEELONG
DESIGNED P.J.B.		REFERENCE
DRAWN C.S.		1503 E/1
CHECKED	SCALE AS SHOWN	DATUM AHD
	DATE	APR '19
	SHEET	32 OF 38

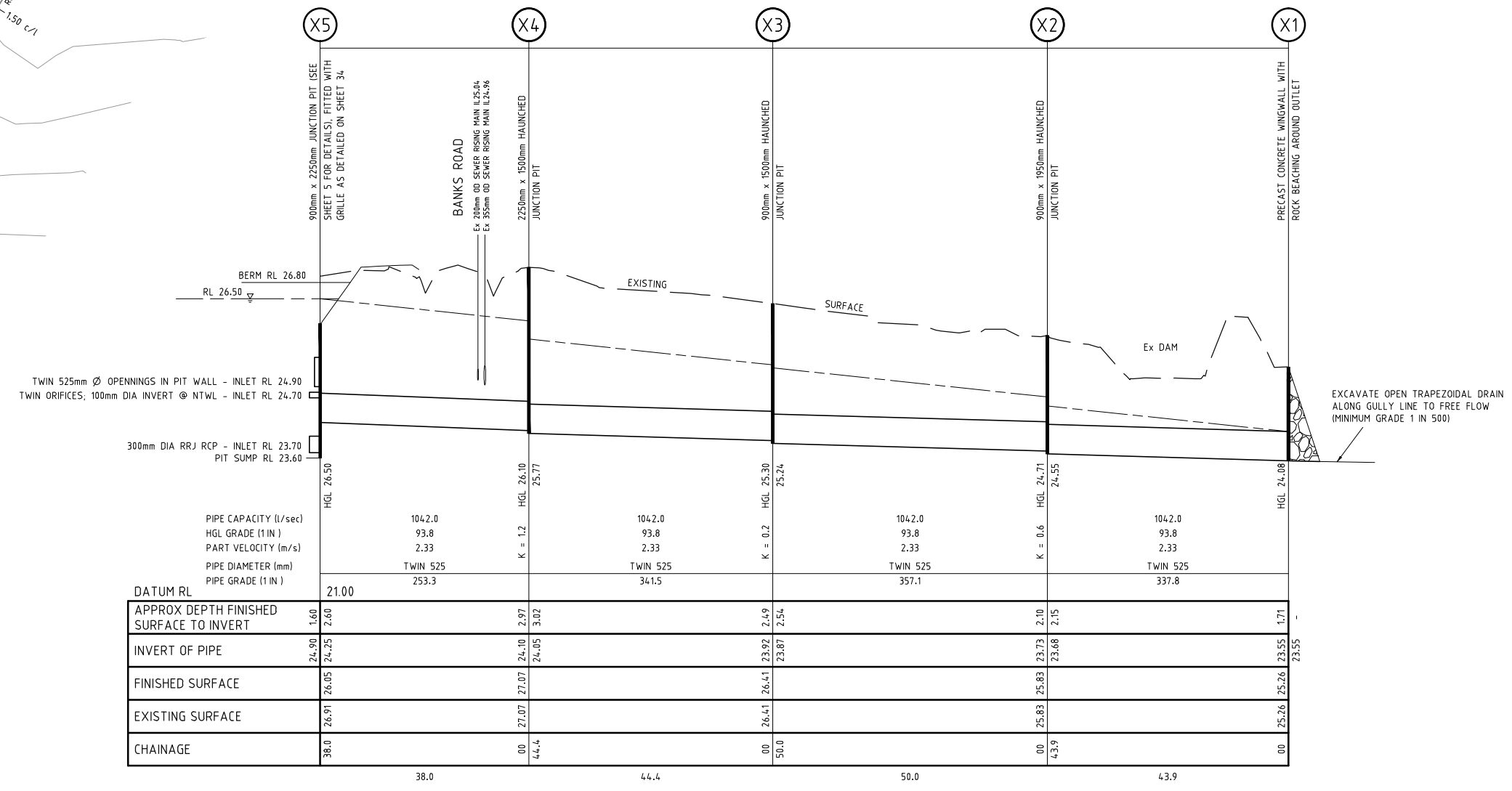


PLAN  
SCALE (A1) 1 : 500

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



TYPICAL SECTION - OPEN TRAPEZOIDAL DRAIN  
(NOT TO SCALE)



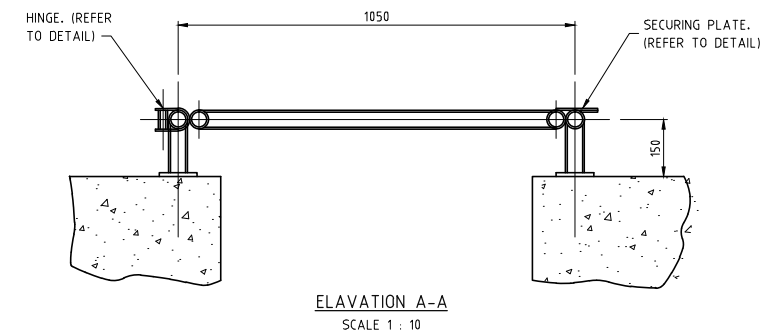
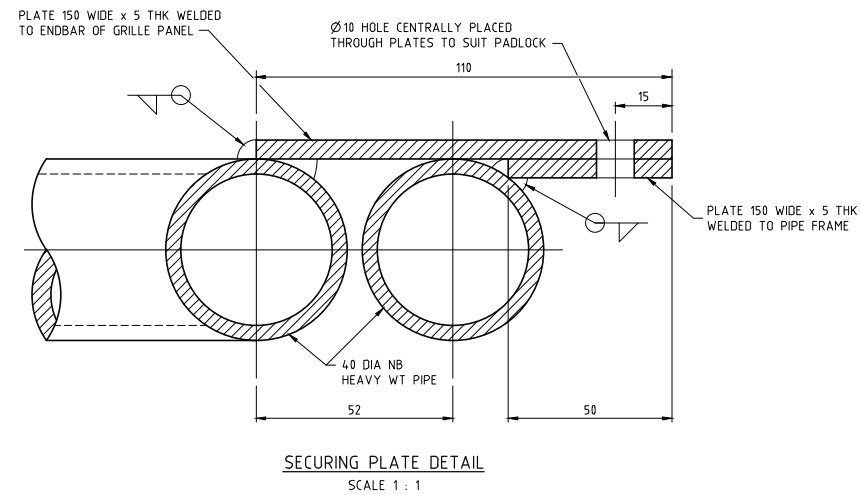
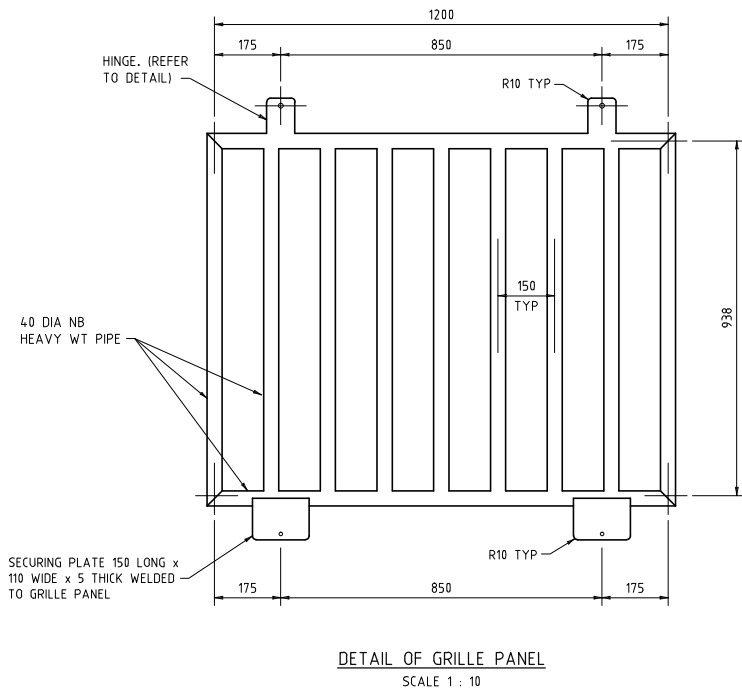
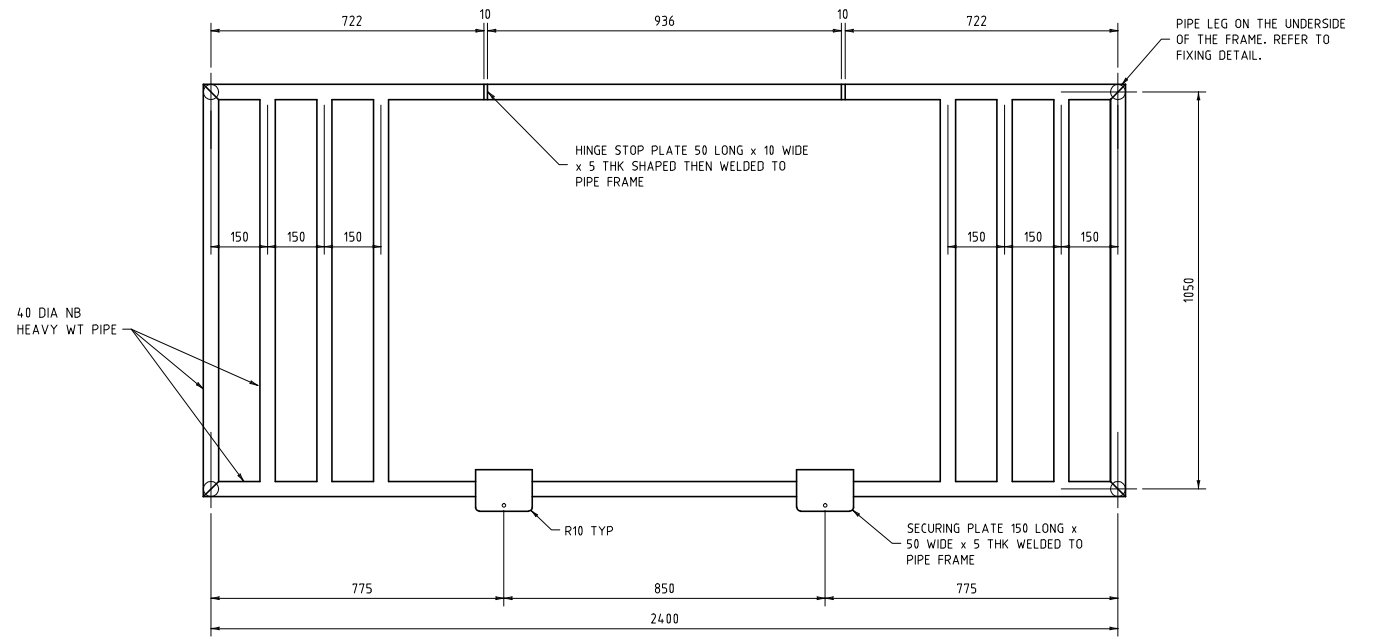
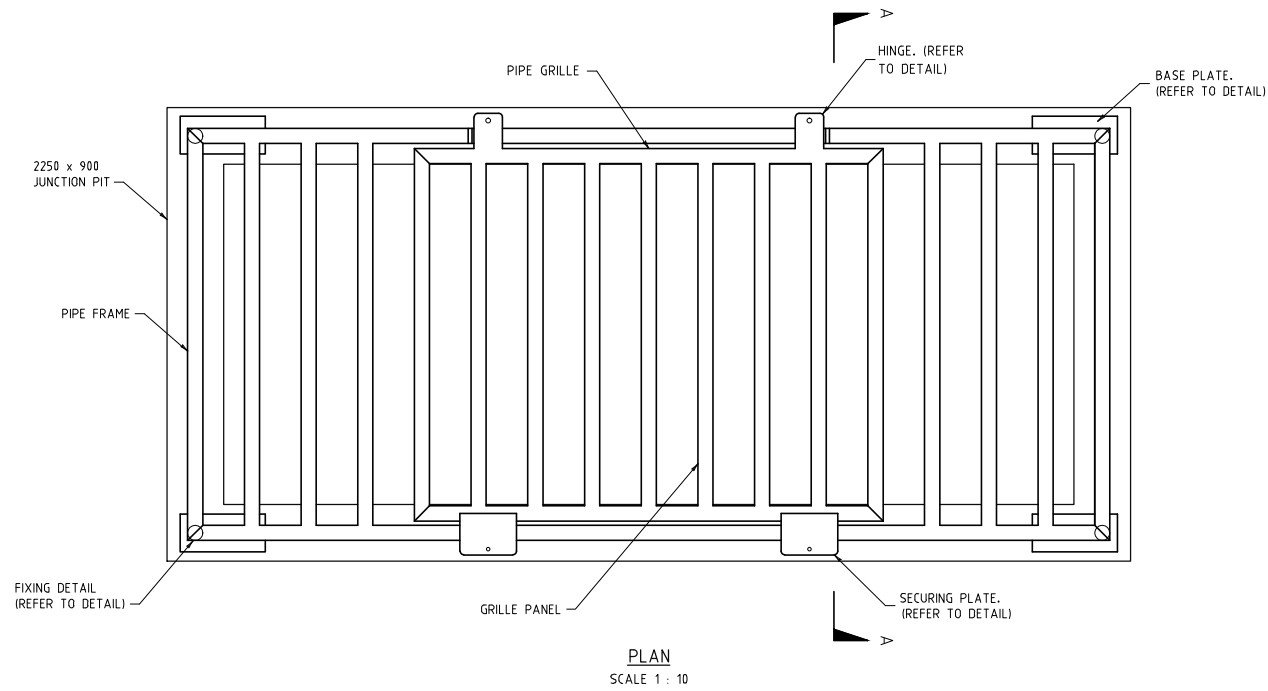
	X5	X4	X3	X2	X1
900mm x 2250mm JUNCTION PIT (SEE SHEET 5 FOR DETAILS); FITTED WITH GRILLE AS DETAILED ON SHEET 34					
BANKS ROAD					
2250mm x 1500mm HAUNCHED JUNCTION PIT					
900mm x 1500mm HAUNCHED JUNCTION PIT					
900mm x 1950mm HAUNCHED JUNCTION PIT					
PRECAST CONCRETE WINGWALL WITH ROCK BEACHING AROUND OUTLET					
BERM RL 26.80					
RL 26.50					
EXISTING SURFACE					
Ex DAM					
EXCAVATE OPEN TRAPEZOIDAL DRAIN ALONG GULLY LINE TO FREE FLOW (MINIMUM GRADE 1 IN 500)					
TWIN 525mm Ø OPENINGS IN PIT WALL - INLET RL 24.90					
TWIN ORIFICES; 100mm DIA INVERT @ NTWL - INLET RL 24.70					
300mm DIA RRJ RCP - INLET RL 23.70					
PIT SUMP RL 23.60					
HGL 26.50					
PIPE CAPACITY (l/sec)	1042.0		1042.0	1042.0	1042.0
HGL GRADE (1 IN )	93.8		93.8	93.8	93.8
PART VELOCITY (m/s)	2.33		2.33	2.33	2.33
PIPE DIAMETER (mm)	TWIN 525		TWIN 525	TWIN 525	TWIN 525
PIPE GRADE (1 IN )	253.3		341.5	357.1	337.8
DATUM RL	21.00				
APPROX DEPTH FINISHED SURFACE TO INVERT	1.60	2.97	2.49	2.10	1.71
INVERT OF PIPE	24.90	24.25	23.92	23.73	23.55
FINISHED SURFACE	26.05	27.07	26.41	25.83	25.26
EXISTING SURFACE	26.91	27.07	26.41	25.83	25.26
CHAINAGE	38.0	44.4	50.0	43.9	00

DRAINAGE LONGITUDINAL SECTION  
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.



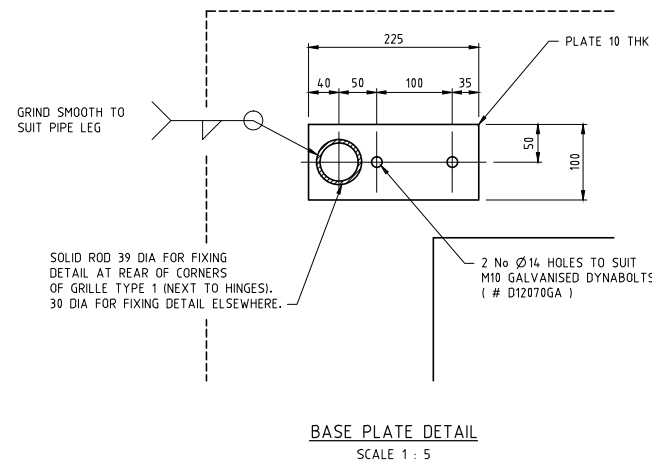
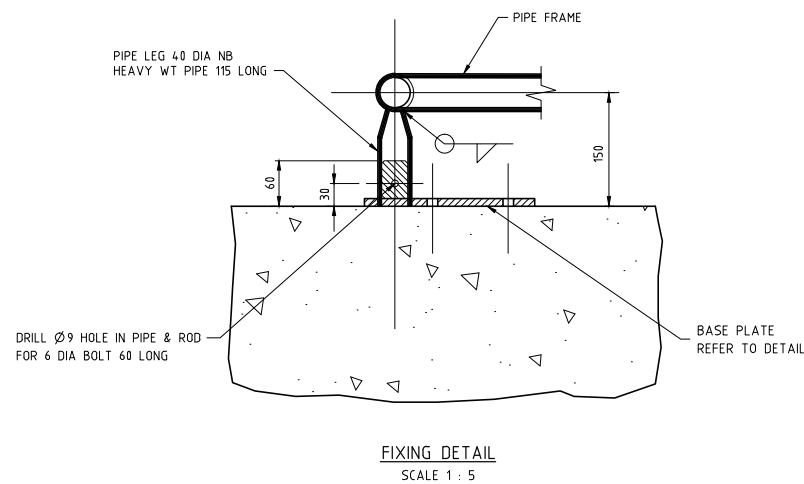
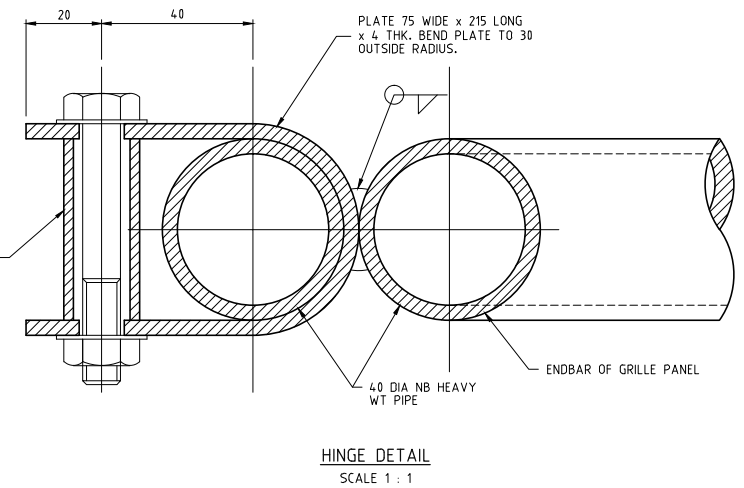
AMENDMENTS	23.10.19	VER E - REVISED DRAIN LINE X		Peter Berry & Associates Pty. Ltd.		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	11.10.19	VER D - ISSUED FOR CONSTRUCTION		Civil Engineers			
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK					
	03.04.19	VER A - PRELIMINARY SUBMISSION					
DATE	DESCRIPTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 1		MUNICIPALITY GREATER GEELONG	
1 : 500	1 : 50		SURVEYED			REFERENCE 1503 E/1	
1 : 50	1 : 50		DESIGNED P.J.B.			SHEET 33 OF 38	
A1	DRAWN C.S.		CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR '19	




#### NOTES

##### STEELWORK

- S1. ALL MATERIALS SHALL HAVE STRUCTURAL QUALITY IN ACCORDANCE WITH AS 3678 - GRADE 250.
- S2. ALL STEELWORK TO COMPLY WITH AS 1250 - STEEL STRUCTURES CODE.
- S3. REMOVE ALL BURRS AND SHARP EDGES FROM CORNERS.
- S4. ALL WELDS TO BE 6mm CONTINUOUS FILLET WELDS IN ACCORDANCE WITH AS 1554 - PART 1 UNLESS OTHERWISE STATED.
- S5. ALL STEELWORK TO BE HOT DIP GALVANISED AFTER FABRICATION.
- S6. ALL FIXTURES AND FITTINGS TO BE HOT DIP GALVANISED.



DRILL Ø12 HOLE CENTRALLY THROUGH PLATE FOR 10 DIA BOLT 80 LONG COMPLETE WITH NUT, WASHERS & SPACERS. SPACER TO BE 15 DIA NB PIPE 50 LONG.

AMENDMENTS				Peter Berry & Associates Pty. Ltd. Civil Engineers				153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799								
	11.10.19	VER D - ISSUED FOR CONSTRUCTION														
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK														
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK														
	03.04.19	VER A - PRELIMINARY SUBMISSION														
	DATE	DESCRIPTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1				MUNICIPALITY								
			SURVEYED					GREATER GEELONG								
			DESIGNED P.J.B					REFERENCE								
A1	1 : 10	0.2 0.1 0 0.2 0.4 0.6	DRAWN C.S.	SCALE AS SHOWN				DATUM	AHD	DATE	APR '19	SHEET 34 OF 38				
	1 : 5	0.1 0.05 0 0.1 0.2 0.3											1503 E/1			
	1 : 1	0.02 0.01 0 0.02 0.04 0.06														
			CHECKED													

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	L.L.	mm	L.L.	mm	(m)	m	
Δ	A1	CONCRETE RETAINING WALL AS SPECIFIED	-	-	24.90	1350	24.90	-	27.06	2.16 (REFER TO CREO DWGS
*	A2	HAUNCHED SIDE ENTRY PIT	900	2250	25.01	1350	24.96	1350	27.22	2.26 SD 410, 430
					25.45	375				
*	A3	HAUNCHED SIDE ENTRY PIT	900	1650	25.35	1350	25.30	1350	27.60	2.30 SD 410, 430
					25.72	450				
*	A4	HAUNCHED SIDE ENTRY PIT	900	1650	25.68	1350	25.63	1350	27.79	2.16 SD 410, 430
	EP	BLANKED OFF END OF PIPE	-	-	-	-	25.88	1350	28.09	2.21 -
	B1	PRECAST CONCRETE WINGWALL	-	-	24.90	1050	24.90	-	26.57	1.67 SD 465
o	B2	GRATED DOUBLE SIDE ENTRY PIT	1900	600	25.01	1050	24.96	1050	26.77	1.81 SD 475
					25.01	375				
	B3	DOUBLE SIDE ENTRY PIT	1900	600	25.09	1050	25.04	1050	26.93	1.89 SD 445
*	B4	HAUNCHED SIDE ENTRY PIT	900	1800	25.48	375	25.14	1050	27.00	1.86 SD 410, 430
					25.19	1050				
*	B5	HAUNCHED SIDE ENTRY PIT	900	1350	25.61	450	25.28	1050	27.17	1.89 SD 410, 430
					25.33	1050				
					25.68	300				
*	B6	HAUNCHED SIDE ENTRY PIT	900	1350	26.03	375	25.70	1050	27.67	1.97 SD 410, 430
					25.78	900				
*	B7	HAUNCHED SIDE ENTRY PIT	900	1200	26.70	225	26.65	900	28.52	1.87 SD 410, 430
					26.80	825				
	C1	PRECAST CONCRETE WINGWALL	-	-	25.20	1200	25.20	-	27.78	2.58 SD 465
o	C2	HAUNCHED GRATED DSEP	1900	1950	25.36	1050	25.28	1200	27.25	1.97 SD 410, 475
					25.33	750				
*	C3	HAUNCHED SIDE ENTRY PIT	900	1800	25.46	1050	25.41	1050	27.44	2.03 SD 410, 430
*	C4	HAUNCHED SIDE ENTRY PIT	900	1350	26.10	225	25.64	1050	27.67	2.03 SD 410, 430
					25.69	1050				
					25.98	375				
	D1	PRECAST CONCRETE WINGWALL	-	-	24.90	900	24.90	-	26.56	1.66 SD 465
*	D2	HAUNCHED SIDE ENTRY PIT	900	1950	25.10	900	25.05	900	27.02	1.97 SD 410, 430
*	D3	HAUNCHED SIDE ENTRY PIT	900	1200	25.59	375	25.30	900	27.21	1.91 SD 410, 430
					25.35	900				
					25.55	375				
*	D4	HAUNCHED SIDE ENTRY PIT	900	1200	25.53	900	25.48	900	27.34	1.86 SD 410, 430
*	D5	HAUNCHED SIDE ENTRY PIT	900	1200	25.73	900	25.68	900	27.51	1.83 SD 410, 430
					26.36	225				
	EP	BLANKED OFF END OF PIPE	-	-	-	-	25.77	900	27.57	1.80 -
*	E1	HAUNCHED SIDE ENTRY PIT	900	1050	25.76	375	25.47	750	27.28	1.81 SD 410, 430
					25.52	750				
*	E2	HAUNCHED SIDE ENTRY PIT	900	1050	26.02	375	25.78	750	27.48	1.70 SD 410, 430
					25.86	675				
*	E3	HAUNCHED SIDE ENTRY PIT	900	900	26.25	675	26.20	675	27.86	1.66 SD 410, 430
	EP	BLANKED OFF END OF PIPE	-	-	-	-	26.96	675	28.65	1.69 -
	F1	SIDE ENTRY PIT	900	600	25.91	450	25.86	450	27.62	1.76 SD 430
	F2	SIDE ENTRY PIT	900	600	26.60	375	26.52	450	27.91	1.39 SD 430
	EP	BLANKED OFF END OF PIPE	-	-	-	-	26.77	375	28.08	1.31 -
	G1	SIDE ENTRY PIT	900	600	25.72	450	25.47	450	27.20	1.53 SD 430
	G2	JUNCTION PIT	900	600	26.10	375	26.05	450	27.48	1.43 SD 425
	G3	JUNCTION PIT	900	600	26.63	300	26.55	375	27.92	1.37 SD 425
	G4	JUNCTION PIT	900	600	27.38	300	27.33	300	28.58	1.25 SD 425
	H1	SIDE ENTRY PIT	900	600	25.63	375	25.58	375	26.81	1.23 SD 430
					25.63	375				
	H2	GRATED SIDE ENTRY PIT	900	600	25.72	375	25.47	375	26.78	1.11 SD 475
	H3	SIDE ENTRY PIT	900	600	25.81	375	25.76	375	26.95	1.19 SD 430
	H4	SIDE ENTRY PIT	900	600	26.00	300	25.92	375	27.11	1.19 SD 430
					26.00	225				
					25.97	375				
	H5	JUNCTION PIT	900	600	26.80	300	26.75	300	28.01	1.26 SD 425
	H6	JUNCTION PIT	900	600	27.65	300	27.60	300	28.77	1.17 SD 425
	I1	SIDE ENTRY PIT	900	600	25.85	375	25.80	375	27.36	1.56 SD 430
	I2	SIDE ENTRY PIT	900	600	26.05	375	26.00	375	27.36	1.36 SD 430
	I3	SIDE ENTRY PIT	900	600	27.30	375	27.25	375	28.60	1.35 SD 430
					27.30	375				
	EP	BLANKED OFF END OF PIPE	-	-	-	-	28.16	375	29.55	1.39 -

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	L.L.	mm	L.L.	mm	(m)	m	
	J1	JUNCTION PIT	900	600	26.45	300	26.40	300	27.55	1.15 SD 425
	J2	JUNCTION PIT	900	600	27.33	225	27.25	300	28.48	1.23 SD 425
	J3	JUNCTION PIT	900	600	28.10	225	28.05	225	29.18	1.13 SD 425
	K1	GRATED SIDE ENTRY PIT	900	600	25.14	375	25.09	375	26.86	1.77 SD 475
	K2	SIDE ENTRY PIT	900	600	25.24	375	25.19	375	27.05	1.86 SD 430
	K3	SIDE ENTRY PIT	900	600	25.45	375	25.40	375	26.97	1.57 SD 430
	K4	SIDE ENTRY PIT	900	600	25.65	375	25.60	375	26.87	1.27 SD 430
	K5	GRATED SIDE ENTRY PIT	900	600	-	-	25.79	375	26.72	0.93 SD 475
	L1	SIDE ENTRY PIT	900	600	26.15	375	26.10	375	27.51	1.41 SD 430
	L2	SIDE ENTRY PIT	900	600	-	-	26.70	375	28.00	1.30 SD 430
	M1	SIDE ENTRY PIT	900	600	-	-	27.66	375	28.83	1.17 SD 430
	N1	SIDE ENTRY PIT	900	600	-	-	25.71	375	26.86	1.15 SD 430
	O1	SIDE ENTRY PIT	900	600	-	-	26.49	375	27.77	1.28 SD 430
	P1	GRATED SIDE ENTRY PIT	900	600	-	-	25.99	375	27.10	1.11 SD 475
	Q1	GRATED SIDE ENTRY PIT	900	600	-	-	26.01	375	26.99	0.98 SD 475
	R1	SIDE ENTRY PIT	900	600	-	-	26.01	375	27.29	1.28 SD 430
	S1	SIDE ENTRY PIT	900	600	-	-	25.72	375	27.01	1.29 SD 430
	T1	JUNCTION PIT	900	600	-	-	26.06	225	27.17	1.11 SD 420
Δ	U1	CONCRETE RETAINING WALL AS SPECIFIED	-	-	24.90	2x1050	24.90	-	27.08	2.18 (REFER TO CREO DWGS
Δ	U2	CONCRETE RETAINING WALL AS SPECIFIED	-	-	25.00	-	25.00	2x1050	27.19	2.19 (REFER TO CREO DWGS
	V1	HAUNCHED DOUBLE SIDE ENTRY PIT	1900	900	24.92	1050	24.92	1050	27.13	2.21 SD 410, SD 445
	W1	HAUNCHED DOUBLE SIDE ENTRY PIT	1900	900	24.96	1050	24.96	1050	27.20	2.24 SD 410, SD 445
	X1	PRECAST CONCRETE WINGWALL	-	-	23.55	2x525	23.55	-	25.26	1.71 SD 465
*	X2	HAUNCHED JUNCTION PIT	900	1950	23.73	2x525	23.68	2x525	25.83	2.15 SD 410, 425
*	X3	HAUNCHED JUNCTION PIT	900	1500	23.92	2x525	23.87	2x525	26.41	2.54 SD 410, 425
*	X4	HAUNCHED JUNCTION PIT	2250	1500	24.10	2x525	24.05	2x525	27.07	3.02 SD 410, 425
*	X5	JUNCTION PIT	900	2250	24.90	2x525	24.25	2x525	26.05	2.60 SD 415, 426
					24.70	2x100				
					23.70	300				

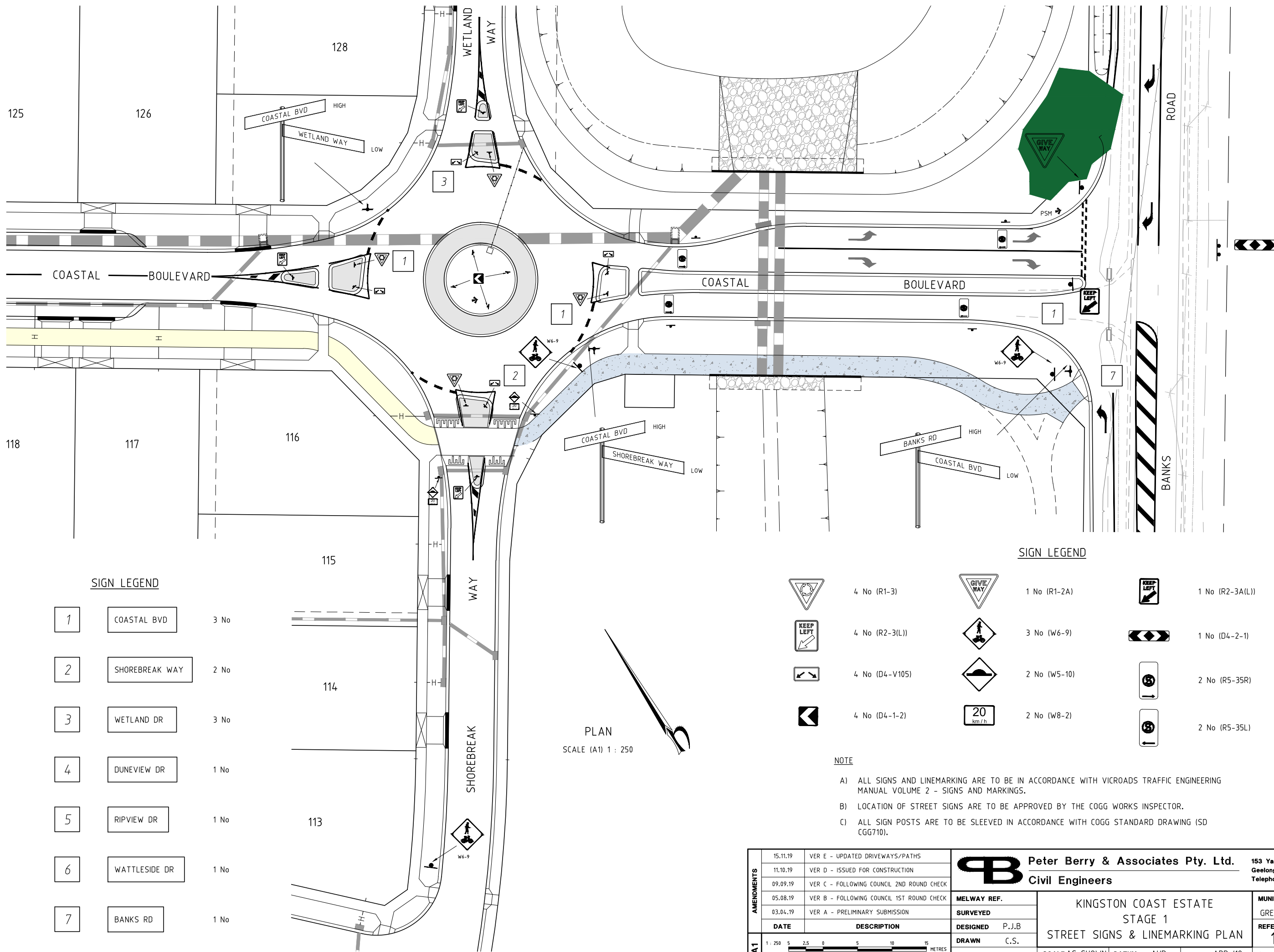
NOTE: PIT DENOTED THUS "Δ" IS TO BE HAUNCHED TO AN OPENING OF 900mm x 600mm (INTERNAL DIMENSIONS) WITH APPROPRIATE COVER.

PIT DENOTED THUS "o" IS TO BE HAUNCHED TO AN OPENING OF 1800mm x 600mm (INTERNAL DIMENSIONS) WITH APPROPRIATE COVER.

"Δ" RETAINING WALL TO BE CONSTRUCTED IN ACCORDANCE WITH STRUCTURAL DRAWINGS PREPARED BY CREO CONSULTANTS.

PIT SETOUT SCHEDULE

PIT No	POINT 'A' E	POINT 'A' N	POINT 'B' E	POINT 'B' N
A1	2536.35	717	2536.35	717
A2	2522.06	713.47	2522.82	712.98
A3	2471.22	744.71	2472.03	744.32
A4	2411.86	782	2412.62	781.52
EP	2387.41	798.62	2387.41	798.62
B1	2561.72	797.74	2561.72	797.74
B2	2550.68	803.68	2551.71	805.28
B3	2544.38	807.72	2545.41	809.32
B4	2531.24	805.87	2532	805.38
B5	2512.96	817.58	2513.72	817.09
B6	2479.28	839.16	2480.04	838.67
B7	2425.4	873.69	2426.16	873.2
C1	2458.18	623.58	2458.18	623.58
C2	2439.43	636.15	2440.72	637.54
C3	2425.87	632.91	2426.52	633.53
C4	2385.03	603.74	2385.82	604.17
D1	2563.38	798.2	2563.38	798.2
D2	2555.24	824.69	2555.73	825.45
D3	2575.55	856.39	2576.04	857.15
D4	2589.96	878.87	2590.44	879.63
D5	2605.95	903.84	2606.44	904.6
EP	2609.16	909.95	2609.16	909.95
E1	2426.01	647.28	2426.65	646.64
E2	2404.31	668.7	2404.97	668.08
E3	2382.54	685.58	2383.3	685.1
EP	2338.23	713.47	2338.23	713.47
F1	2459.9	742.07	2460.66	741.59
F2	2395.91	783.07	2396.67	782.59
EP	2382.66	791.21	2382.66	791.21
G1	2505.6	813.38	2506.36	812.9
H1	2490.26	703.43	2491	703.95
H2	2484.16	697.76	2484.78	698.41
H3	2476.35	702.76	2476.7	703.59
H4	2465.12	684.04	2465.6	684.8
I1	2572.51	870.27	2573.27	869.79
I2	2576.56	876.59	2577.32	876.11
I3	2521.29	912.01	2522.04	911.52
EP	2476.31	941.19	2476.31	941.19
K1	2540.6	787.94	2541.08	788.69
K2	2530.23	785.67	2530.72	786.42
K3	2509.62	753.8	2510.16	754.53
K4	2500.03	743.65	2500.76	744.17
K5	2511.78	737.69	2511.64	736.81
L1	2407.42	676.04	2408.08	675.43
L2	2378.73	696.94	2379.48	696.45
M1	2507.08	912.2	2507.84	911.71
N1	2479.01	710.61	2479.22	711.49
O1	2468.55	837.12	2469.31	836.64
P1	2585.91	858.66	2586.4	859.42
Q1	2468.73	675.78	2469.22	676.54
R1	2430.45	653.41	2431.08	652.77
S1	2527.19	799.55	2527.95	799.06
T1	2460.25	676.45	2460.74	677.21
V1	2534.26	708.59	2535.10	708.27
W1	2526.93	697.28	2527.69	696.80
Y1	2558.32	657.15	2558.79	657.91
Z1	2521.72	597.48	2522.19	598.24



SIGN LEGEND


1	COASTAL BVD	3 No
2	SHOREBREAK WAY	2 No
3	WETLAND DR	3 No
4	DUNEVIEW DR	1 No
5	RIPVIEW DR	1 No
6	WATTLESIDE DR	1 No
7	BANKS RD	1 No

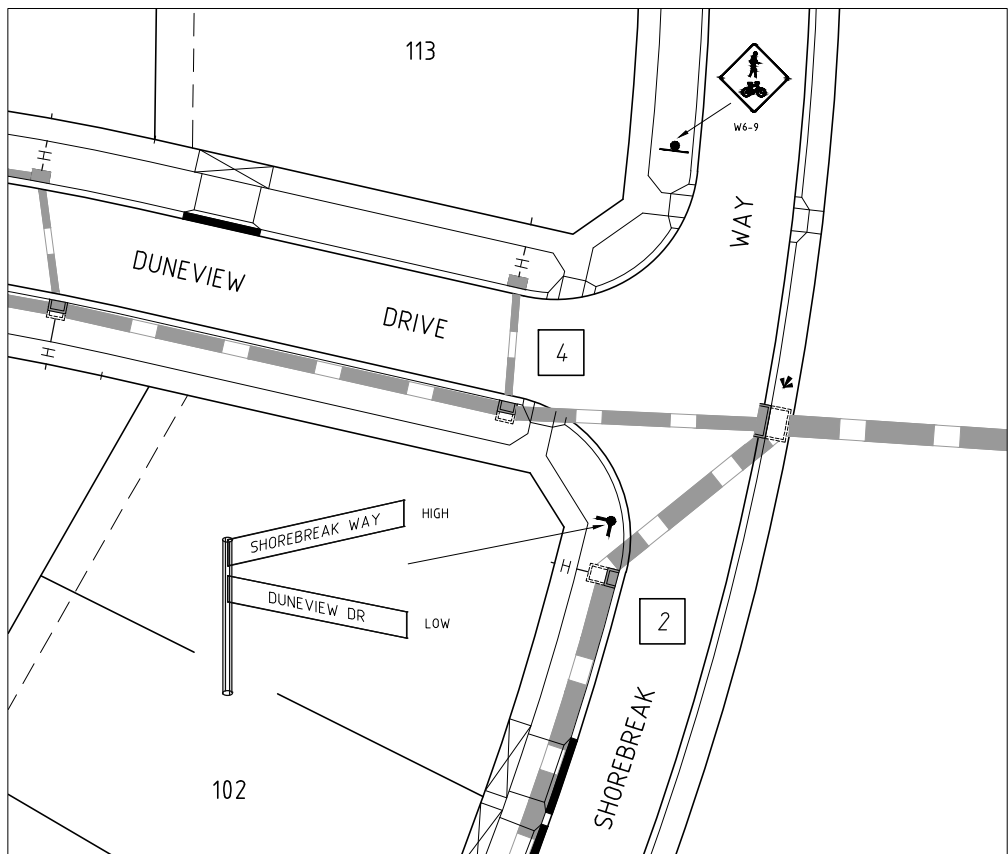
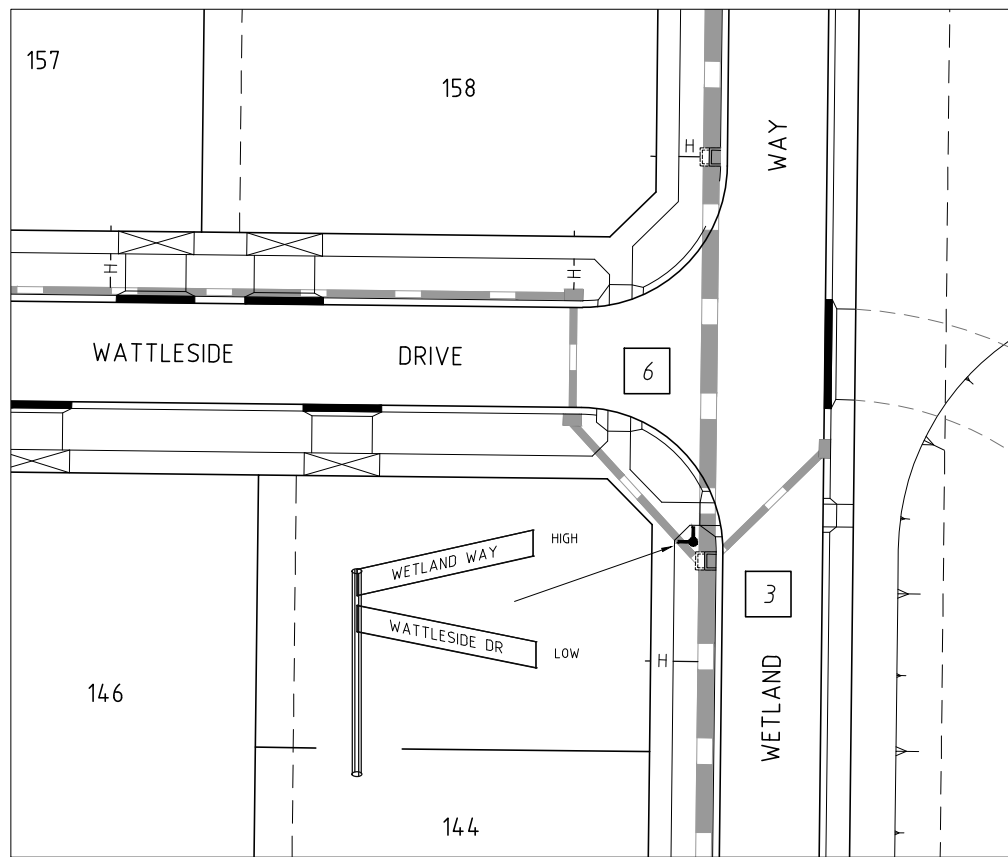
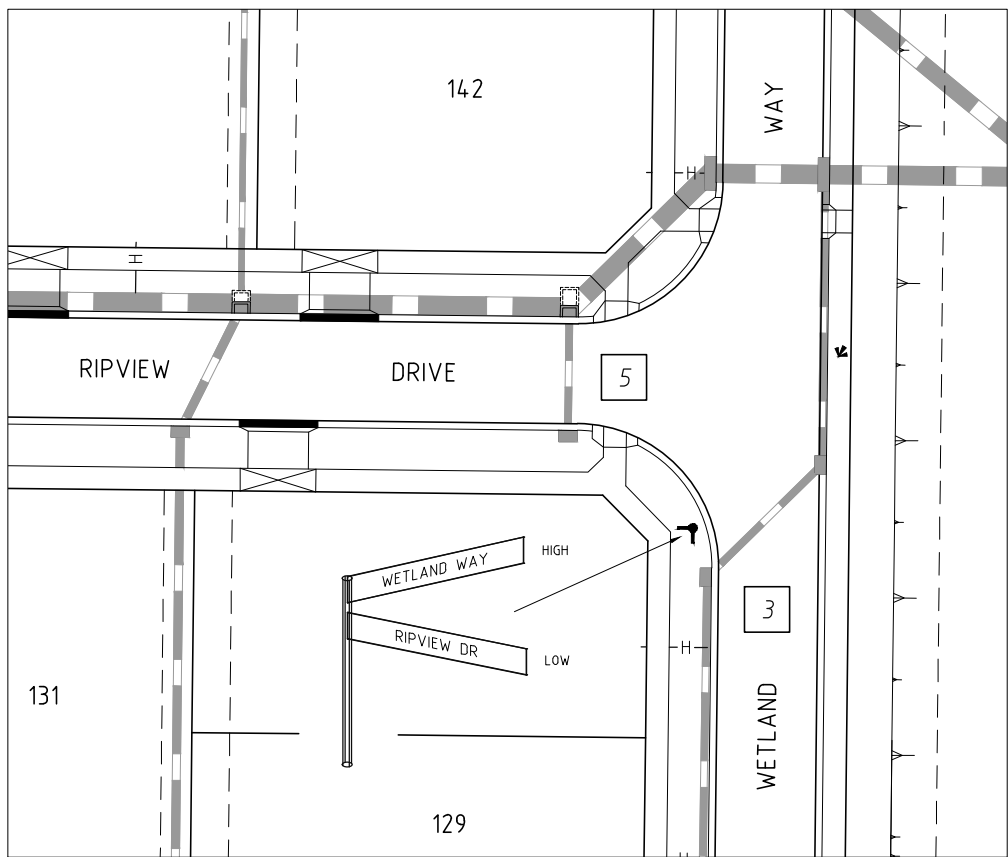
SIGN LEGEND

	4 No (R1-3)		1 No (R1-2A)		1 No (R2-3A(L))
	4 No (R2-3(L))		3 No (W6-9)		1 No (D4-2-1)
	4 No (D4-V105)		2 No (W5-10)		2 No (R5-35R)
	4 No (D4-1-2)		2 No (W8-2)		2 No (R5-35L)

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 CCG710).



AMENDMENTS	15.11.19	VER E - UPDATED DRIVEWAYS/PATHS		Peter Berry & Associates Pty. Ltd.			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	11.10.19	VER D - ISSUED FOR CONSTRUCTION							
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK		Civil Engineers					
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK							
	03.04.19	VER A - PRELIMINARY SUBMISSION							
DATE	DESCRIPTION		MELWAY REF.	KINGSTON COAST ESTATE STAGE 1 STREET SIGNS & LINEMARKING PLAN			MUNICIPALITY GREATER GEELONG		
		SURVEYED	REFERENCE 1503 E/1						
		DESIGNED P.J.B							
A1	1 : 250 5 2.5 0 5 10 15 METRES		DRAWN C.S.	SCALE AS SHOWN			DATUM AHD	DATE APR '19	SHEET 36 OF 38
			CHECKED						



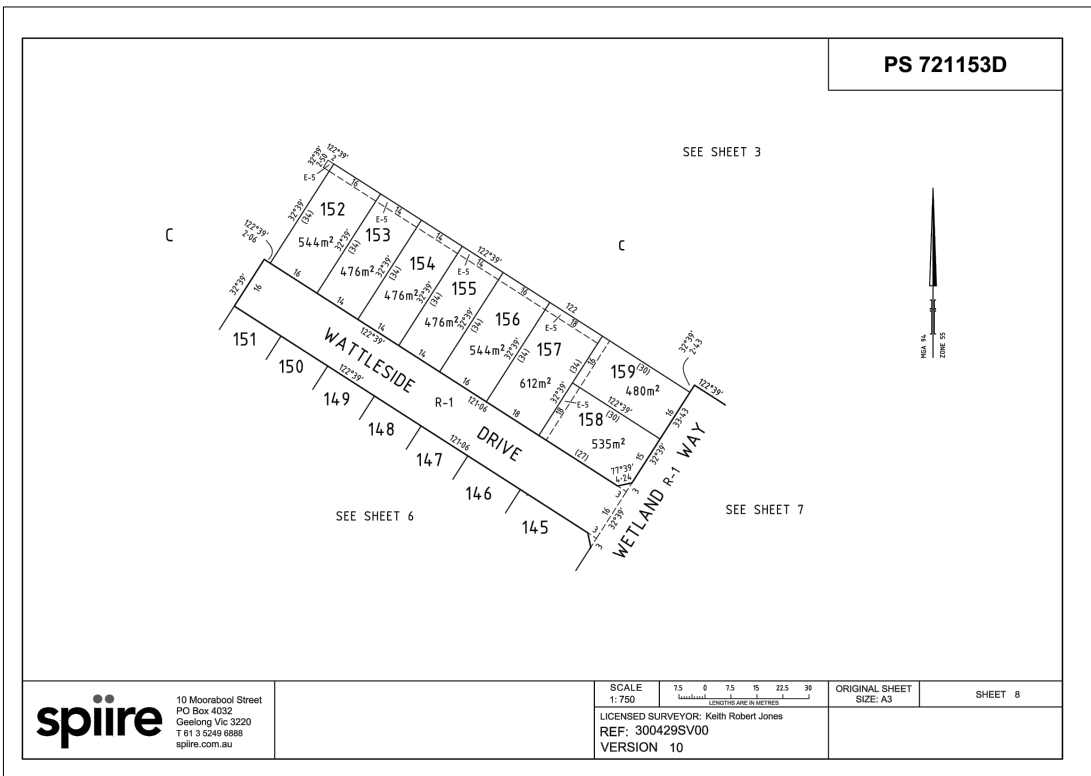
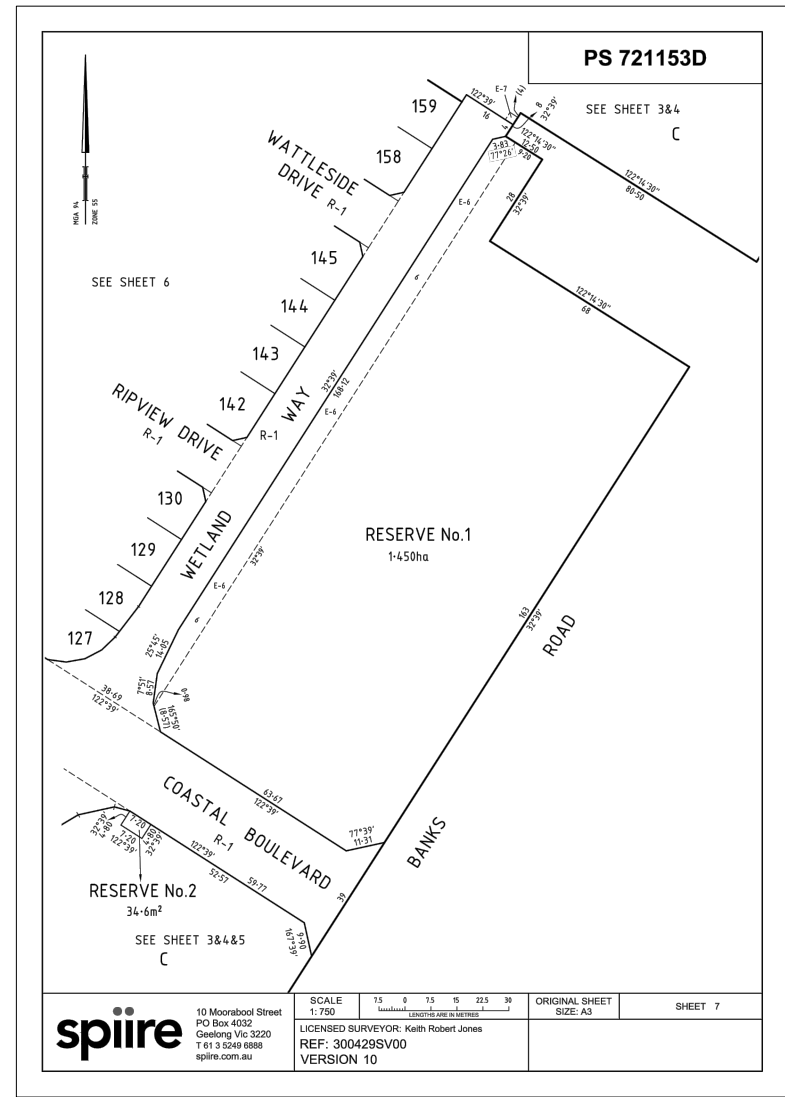
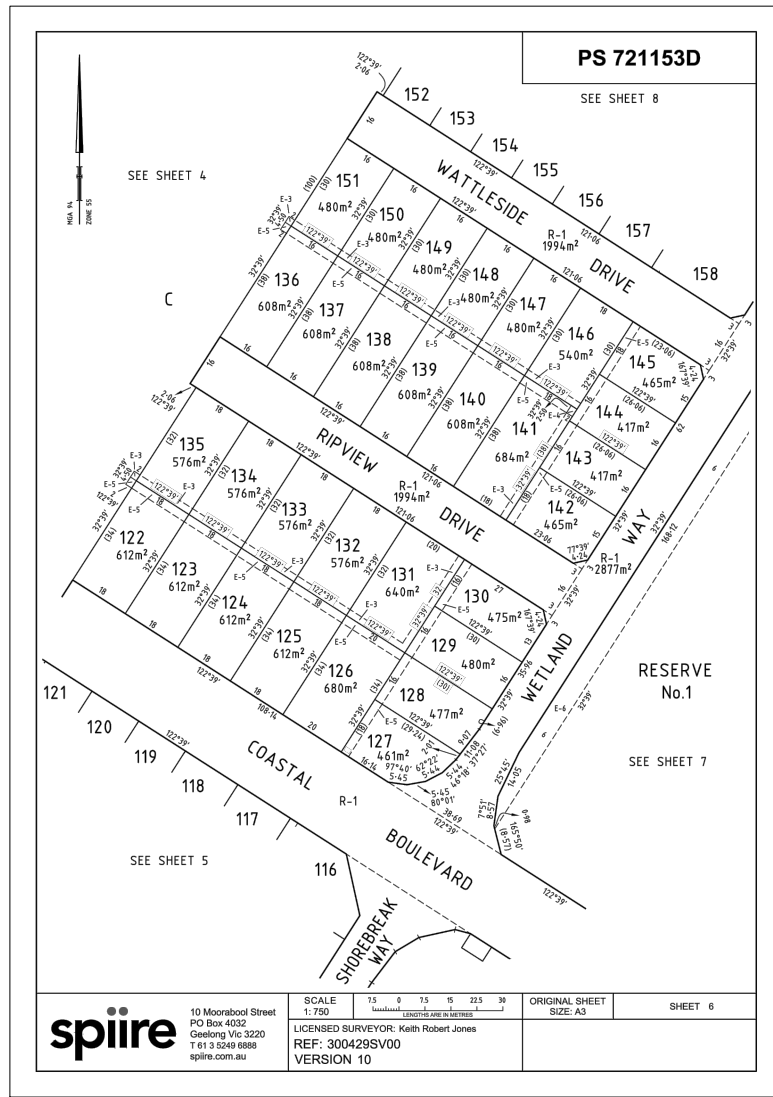
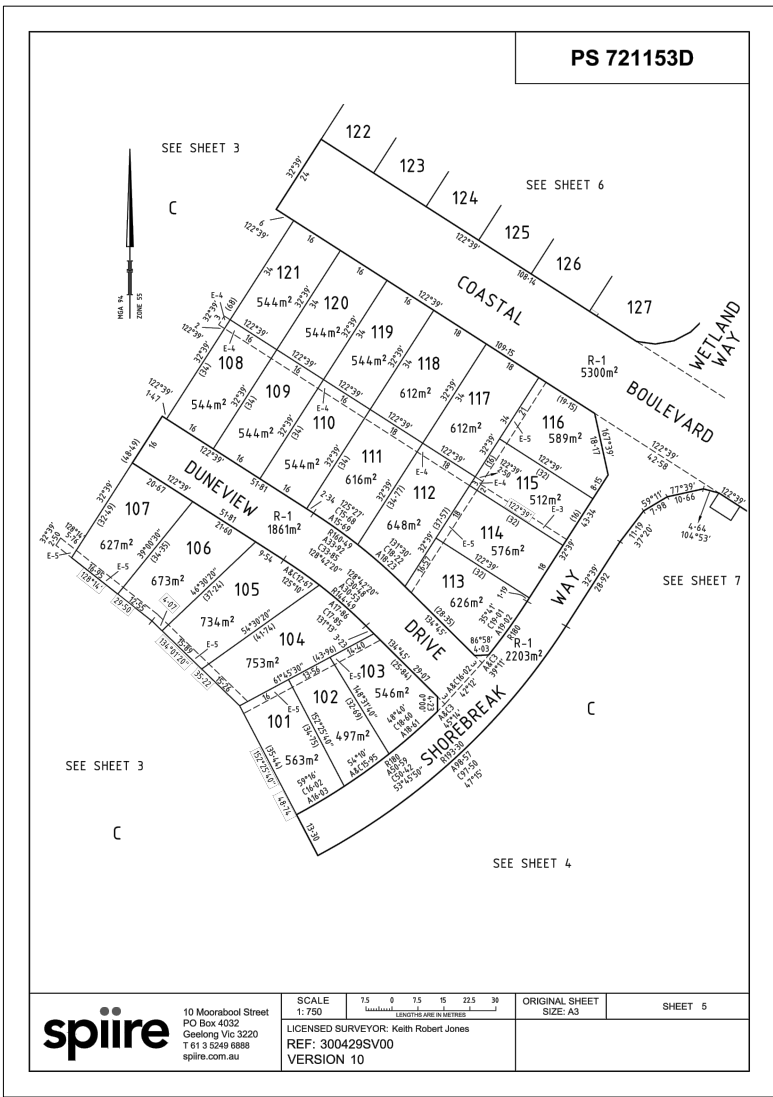
PLAN  
SCALE (A1) 1 : 250


**NOTE**

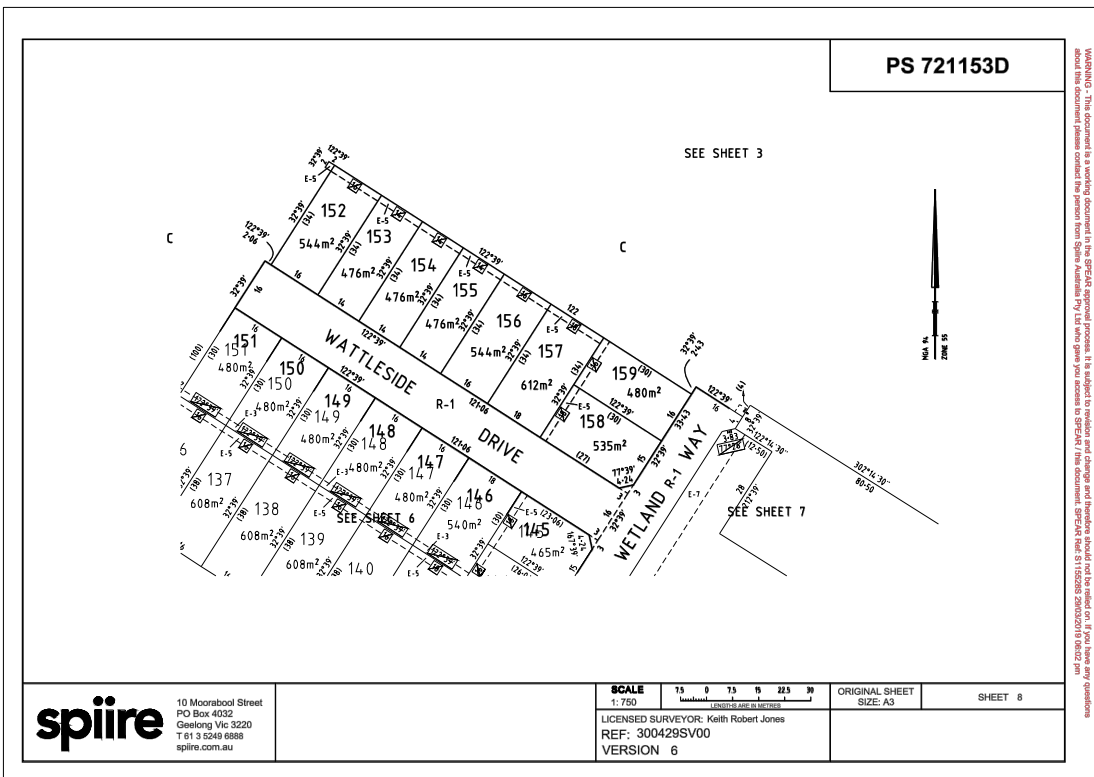
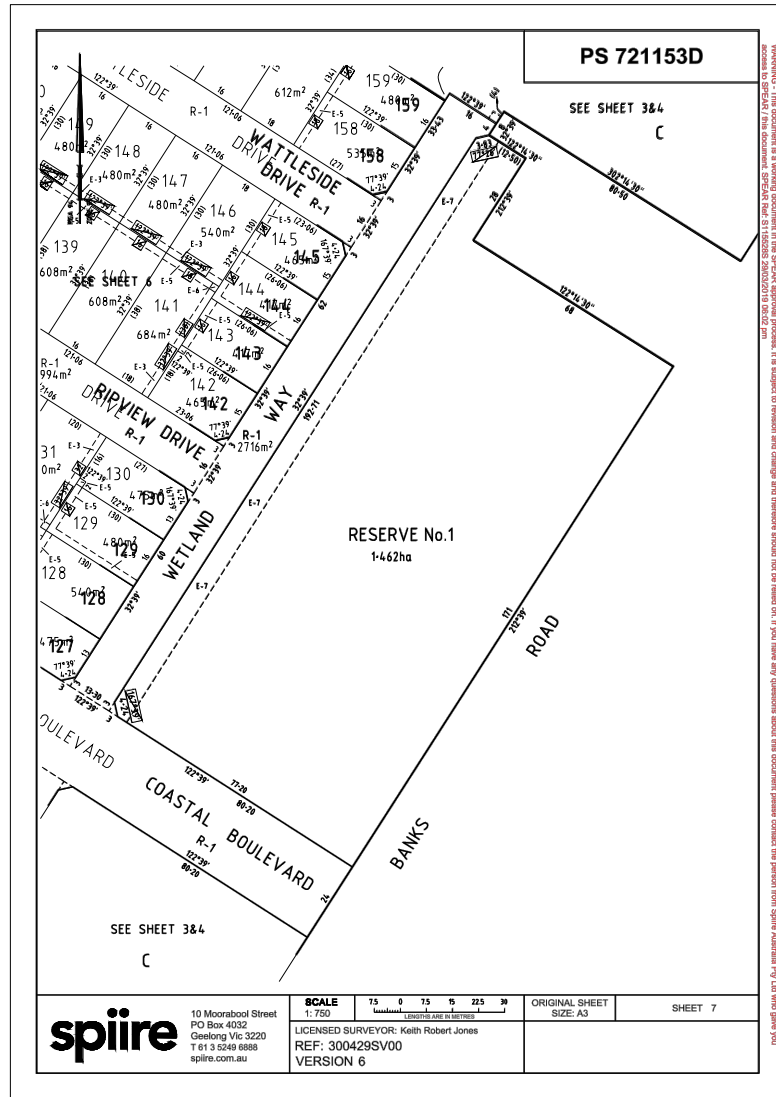
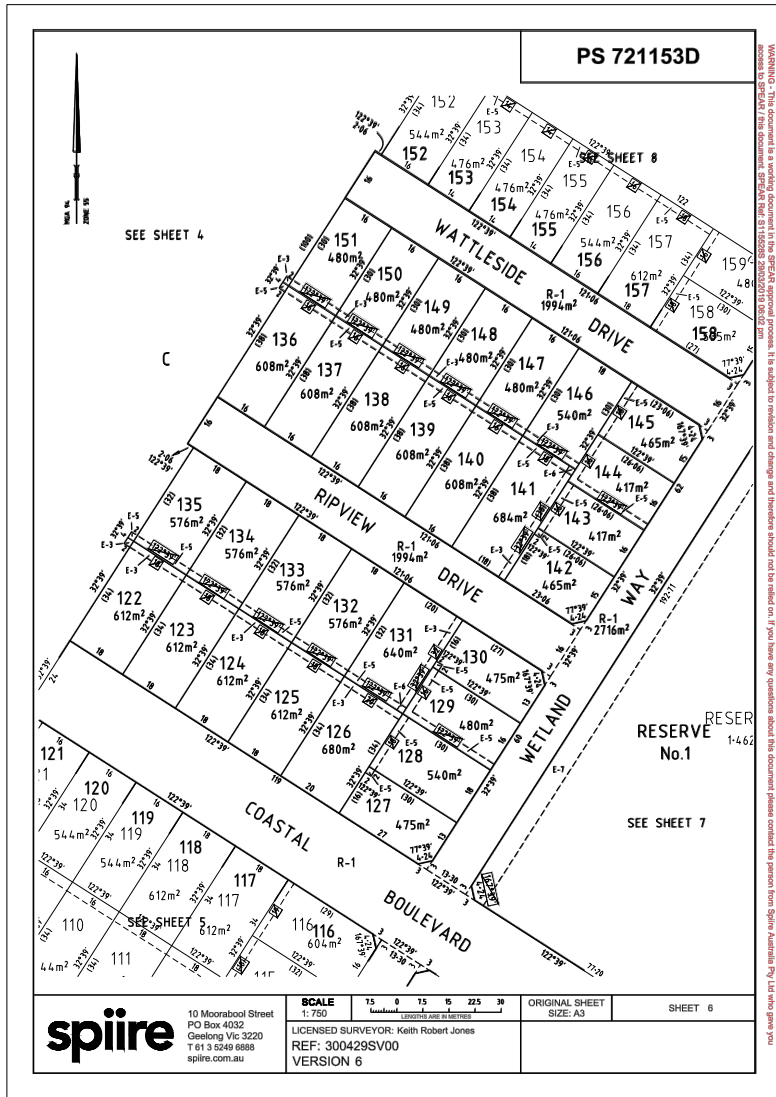
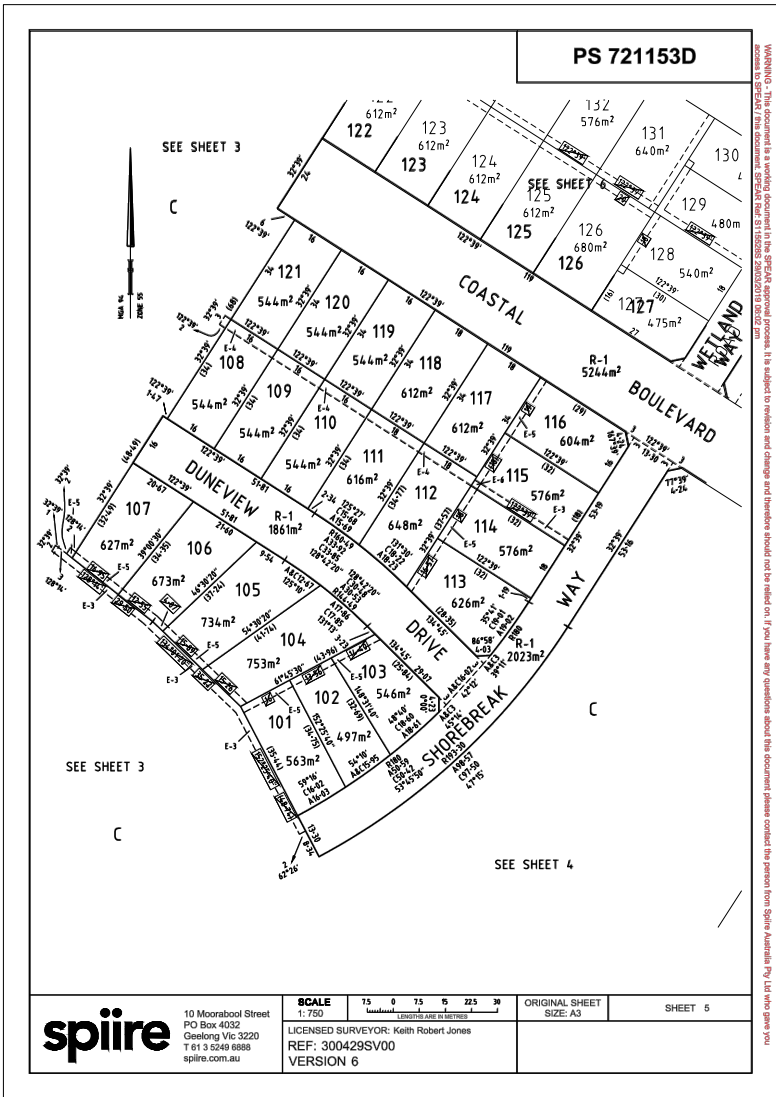
- A) ALL SIGNS AND LINEMARKING ARE TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS AND MARKINGS.
- B) LOCATION OF STREET SIGNS ARE TO BE APPROVED BY THE COGG WORKS INSPECTOR.
- C) ALL SIGN POSTS ARE TO BE SLEEVED IN ACCORDANCE WITH COGG STANDARD DRAWING (SD CGG710).


AMENDMENTS	15.11.19	VER E - UPDATED DRIVEWAYS/PATHS	 <div>Peter Berry &amp; Associates Pty. Ltd. Civil Engineers</div> <div>153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799</div>							
	11.10.19	VER D - ISSUED FOR CONSTRUCTION								
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK								
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK								
	03.04.19	VER A - PRELIMINARY SUBMISSION								
	DATE	DESCRIPTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1 STREET SIGNS & LINEMARKING PLAN			MUNICIPALITY GREATER GEELONG			
			SURVEYED				REFERENCE 1503 E/1			
			DESIGNED P.J.B							
			DRAWN C.S.							
A1	1 : 250  METRES		CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	37 OF 38





AMENDMENTS				Peter Berry & Associates Pty. Ltd.			153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	11.10.19	VER D - ISSUED FOR CONSTRUCTION								
	09.09.19	VER C - FOLLOWING COUNCIL 2ND ROUND CHECK		Civil Engineers						
	05.08.19	VER B - FOLLOWING COUNCIL 1ST ROUND CHECK								
	03.04.19	VER A - PRELIMINARY SUBMISSION								
	DATE	DESCRIPTION	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1 PLAN OF SUBDIVISION			MUNICIPALITY			
			SURVEYED				GREATER GEELONG			
			DESIGNED P.J.B.				REFERENCE			
			DRAWN C.S.				1503 E/1			
A1			CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19	SHEET	38 OF 38



AMENDMENTS			 Peter Berry & Associates Pty. Ltd.				153 Yarra Street	
			Civil Engineers				Geelong Victoria 3220	
							Telephone: 5223 2799	
	03.04.19	VERSION A (PRELIMINARY)	MELWAY REF.	KINGSTON COAST ESTATE STAGE 1 PAN OF SUBDIVISION				MUNICIPALITY
			SURVEYED					GREATER GEELONG
	DATE	DESCRIPTION	DESIGNED P.J.B.					REFERENCE
A1			DRAWN C.S.					1503 E/1
			CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	APR '19
								SHEET 39 OF 39