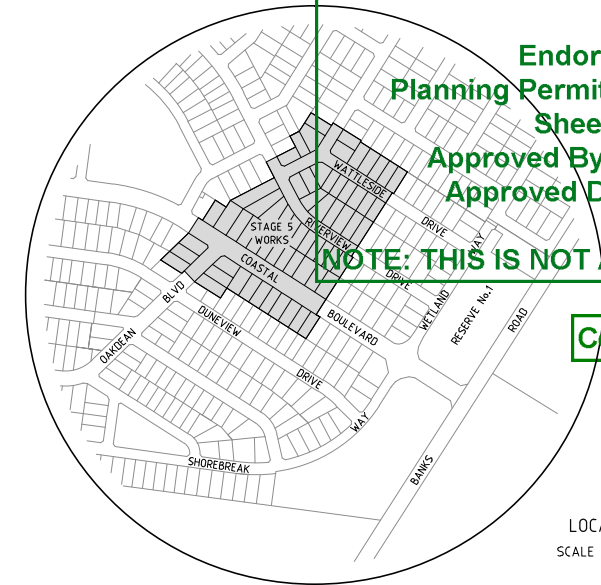


Kingston Coast Estate - Stage 5 Ocean Grove

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 1 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



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 (CONFINED 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 CG6701).
- 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 STENCILED 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 ISH 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^H 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.

PLANNING PERMIT No 1263/2011

SHEET INDEX

SHEET No.	VERSION No.	DESCRIPTION
1	B	GENERAL NOTES.
2	B	FACEPLAN AND SERVICES SCHEDULE.
3	B	FACEPLAN, SERVICES SCHEDULE & CURVE SETOUT SCHEDULE.
4	B	COASTAL BOULEVARD LONGITUDINAL SECTION.
5	B	COASTAL BOULEVARD CROSS SECTIONS (CH-50.00-CH1819).
6	B	COASTAL BOULEVARD CROSS SECTIONS (CH99.91-CH200.32).
7	B	OKADEAN BOULEVARD LONGITUDINAL SECTION & CROSS SECTIONS.
8	B	RIPVIEW DRIVE LONGITUDINAL SECTION.
9	B	RIPVIEW DRIVE CROSS SECTIONS.

SHEET No.	VERSION No.	DESCRIPTION
10	B	GUMDROP DRIVE LONGITUDINAL SECTION.
11	B	GUMDROP DRIVE CROSS SECTIONS.
12	B	WATTLESIDE DRIVE LONG SECTION & CROSS SECTIONS (CH787-CH58.64).
13	B	WATTLESIDE DRIVE CROSS SECTIONS (CH74.64-CH102.64).
14	B	COASTAL BVD/OKADEAN BVD INTERSECTION DETAIL - (1:125).
15	B	RIPVIEW DRIVE/GUMDROP DRIVE INTERSECTION DETAIL - (1:125).
16	B	GUMDROP DRIVE/WATTLESIDE DRIVE INTERSECTION DETAIL - (1:125).
17	B	DRAINAGE LONGITUDINAL SECTION ('A' LINE).
18	B	DRAINAGE LONGITUDINAL SECTION ('B' & 'F' LINES).

SHEET No.	VERSION No.	DESCRIPTION
19	B	DRAINAGE LONGITUDINAL SECTION ('C' & 'G' LINES).
20	B	DRAINAGE LONGITUDINAL SECTION ('D' & 'H' LINES).
21	B	DRAINAGE LONGITUDINAL SECTION ('E' & 'I' LINES).
22	B	DRAINAGE LONGITUDINAL SECTION ('J'-'N' LINES) INCLUSIVE.
23	B	DRAINAGE LONG SECTIONS ('O'-'R' LINES) INCL. & PIT SETOUT SCHEDULE.
24	B	DRAINAGE PIT SCHEDULE.
25	B	STREET SIGNS & LINEMARKING PLAN.
26	B	STREET SIGNS & LINEMARKING PLAN.
27	B	PLAN OF SUBDIVISION.

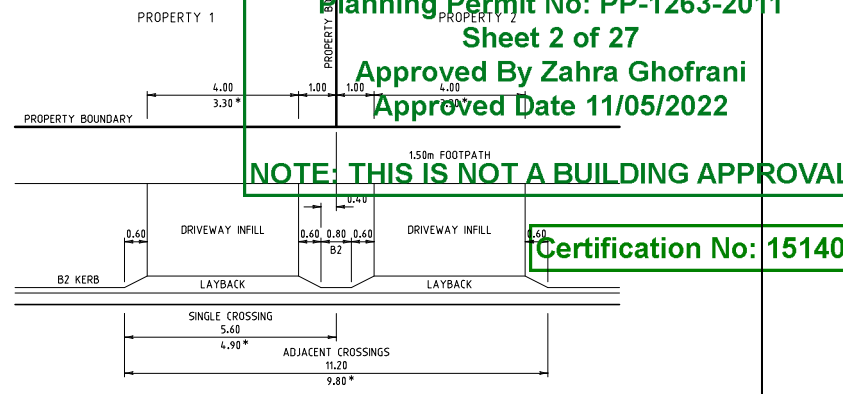
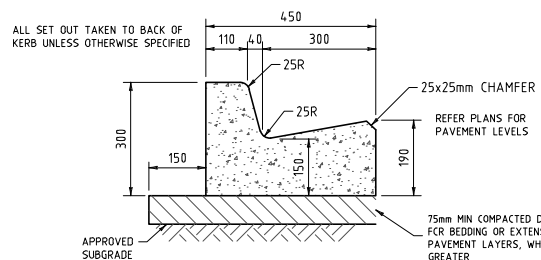
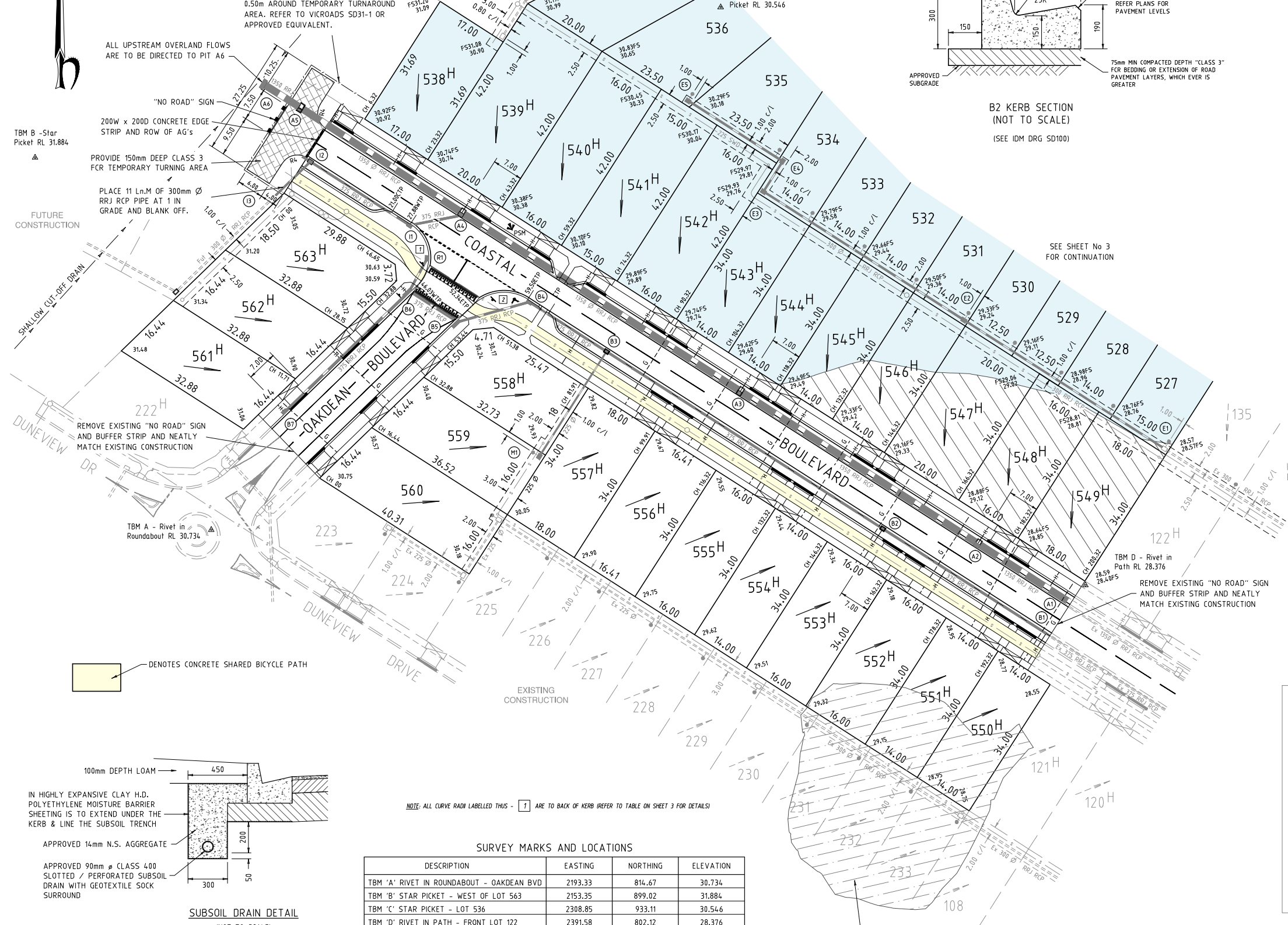
AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
27.04.22	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5		
DATE	DESCRIPTION	SURVEYED	MUNICIPALITY GREATER GEELONG		
		DESIGNED P.J.B	REFERENCE 1503 E/5		
		DRAWN C.S.	SCALE AS SHOWN DATUM AHD DATE AUG '21 SHEET 1 OF 27		
		CHECKED			

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 2 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

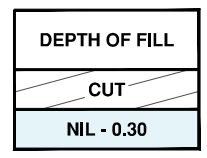
NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140

PLAN
 SCALE (A1) 1 : 500



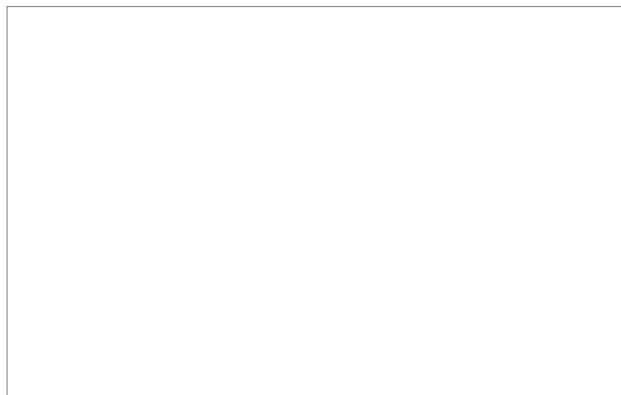
NOTE:
 - WHERE LOT FRONTAGES ARE LESS THAN 12.50m THE DRIVEWAY WIDTH IS TO BE A MAXIMUM OF 3.30m.
 - WHERE ADJACENT DRIVEWAYS ARE LOCATED ON EACH SIDE OF THE PROPERTY BOUNDARY, THE LAYOUT IS TO BE AS PER ABOVE.



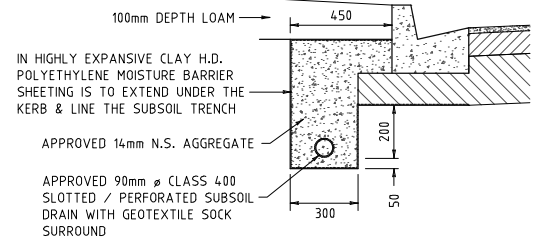
NOTE: FOR FILLING DETAILS REFER TO NOTE 22 (SHEET 1).

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

PLANNING PERMIT No 1263/2011



■ DENOTES CONCRETE SHARED BICYCLE PATH



NOTE: ALL CURVE RADII LABELLED THUS - [1] ARE TO BACK OF KERB (REFER TO TABLE ON SHEET 3 FOR DETAILS)

SURVEY MARKS AND LOCATIONS				
DESCRIPTION	EASTING	NORTHING	ELEVATION	
TBM 'A' RIVET IN ROUNDABOUT - OAKDEAN BVD	2193.33	814.67	30.734	
TBM 'B' STAR PICKET - WEST OF LOT 563	2153.35	899.02	31.884	
TBM 'C' STAR PICKET - LOT 536	2308.85	933.11	30.546	
TBM 'D' RIVET IN PATH - FRONT LOT 122	2391.58	802.12	28.376	

NOTE: EXISTING COMPACTED FILL SHOWN PLACED AS PART OF STAGE 1 WORKS

SERVICES LOCATION SCHEDULE					
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
COASTAL BOULEVARD	1.90 S	2.10 N	2.70 N	2.60 S	VARIABLE
OAKDEAN BOULEVARD	1.90 E	2.10 W	2.70 W	2.50 E	4.00

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	27.04.22		VERSION B	MELWAY REF.
A1	DATE	DESCRIPTION	DESIGNED	P.J.B.
	1:500	0 5 10 20 30 METRES	DRAWN	C.S.
	CHECKED		SCALE AS SHOWN	DATUM AHD
			KINGSTON COAST ESTATE STAGE 5	
			DATE	AUG '21
			MUNICIPALITY	GREATER GEELONG
			REFERENCE	1503 E/5
			SHEET	2 OF 27

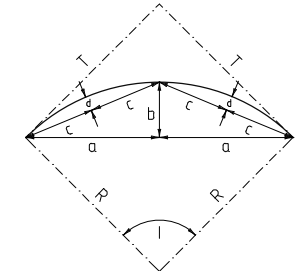
Endorsed Plan
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 Approved By Zatra Ghofrani
 Approved Date 11/05/2022

CURVE SETOUT TABLE

CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
1	9.00	103°19'05"	11.379	16.227	17.957	3.917	3.222	0.899
2	10.00	76°40'55"	7.909	13.384	22.593	2.965	11.393	0.744
3	87.57	29°54'09"	23.385	45.703	22.593	2.965	11.393	0.744
4	80.07	29°54'09"	21.382	41.789	20.658	2.711	10.418	0.681
5	9.00	90°00'00"	0.000	0.000	0.000	0.000	0.000	0.000
6	9.00	90°00'00"	0.000	0.000	0.000	0.000	0.000	0.000
7	16.25	30°36'19"	4.444	8.680	4.289	0.576	2.164	0.165
8	9.00	60°05'51"	5.206	9.440	4.507	1.210	2.333	0.308
9	9.00	89°17'50"	8.890	14.027	6.325	2.597	3.419	0.675

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

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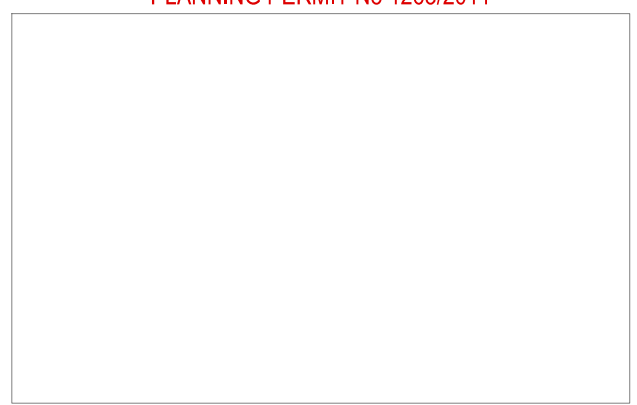


CURVE SETOUT DETAIL
 (NOT TO SCALE)

SURVEY MARKS AND LOCATIONS

DESCRIPTION	EASTING	NORTHING	ELEVATION
TBM 'C' STAR PICKET - LOT 536	2308.85	933.11	30.546
TBM 'E' RIVET IN PATH - FRONT LOT 136	2433.80	872.42	28.623
TBM 'F' RIVET IN PATH - FRONT LOT 151	2471.50	930.80	29.723
TBM 'G' STAR PICKET - LOT 508	2371.70	1033.33	32.419

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DRIVEWAY DETAIL - LOTS 533, 534 & 535
 SCALE (A1) 1 : 250

PLAN
 SCALE (A1) 1 : 500

DEPTH OF FILL
 NIL - 0.30

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

SERVICES LOCATION SCHEDULE

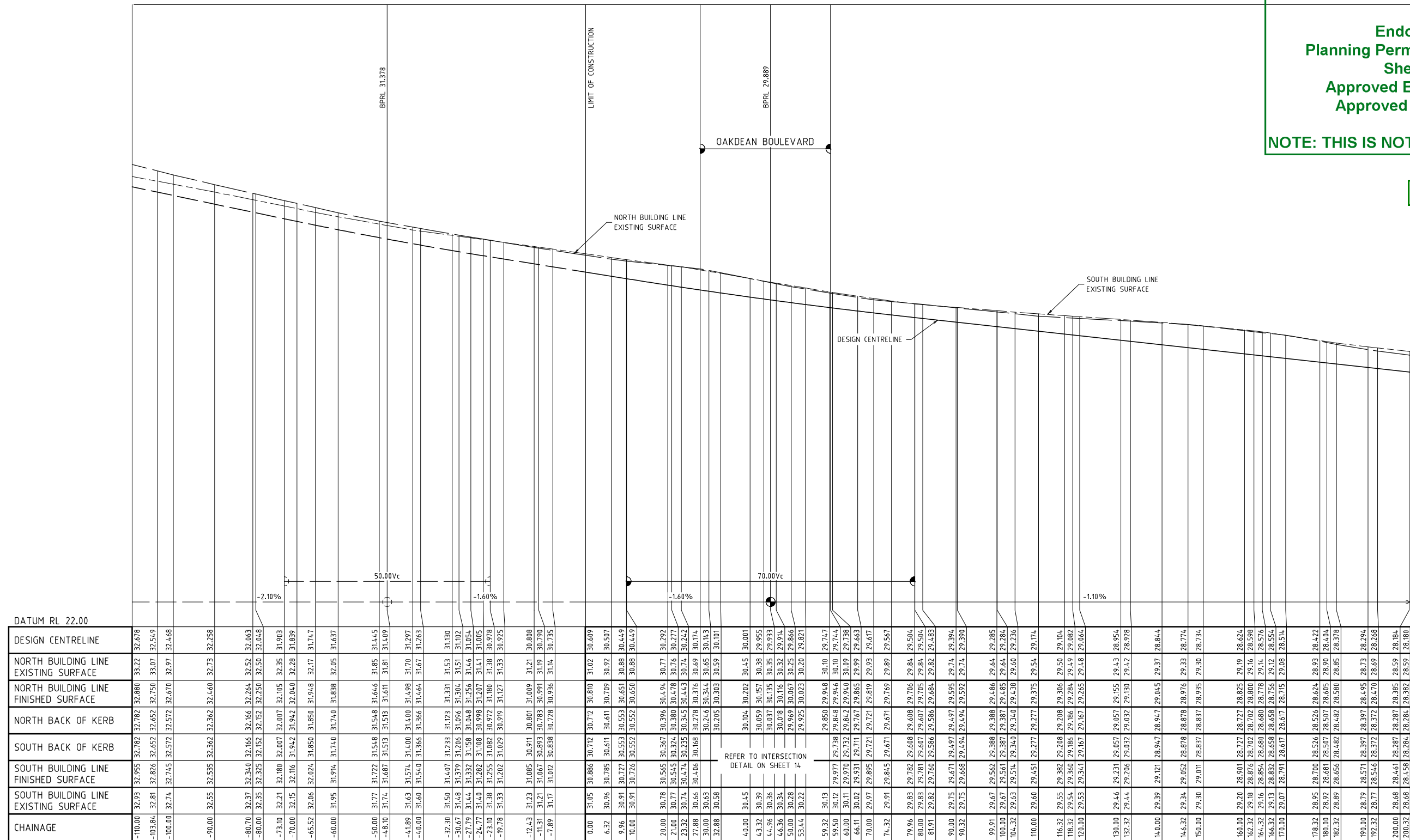
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
RIPVIEW DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25
GUMDROP DRIVE	1.90 E	2.10 W	2.70 W	2.50 E	4.25
WATTLESIDE DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25

AMENDMENTS	27.04.22	VERSION B	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY	GREATER GEELONG		
	DATE	DESCRIPTION			DESIGNED	P.J.B.	REFERENCE	1503 E/5
	DRAWN	C.S.			CHECKED	SCALE AS SHOWN	DATUM	AHD
	DATE	AUG '21			SHEET	3 OF 27		

Endorsed Plan
 Planning Permit No: PP-1263-2011
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 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

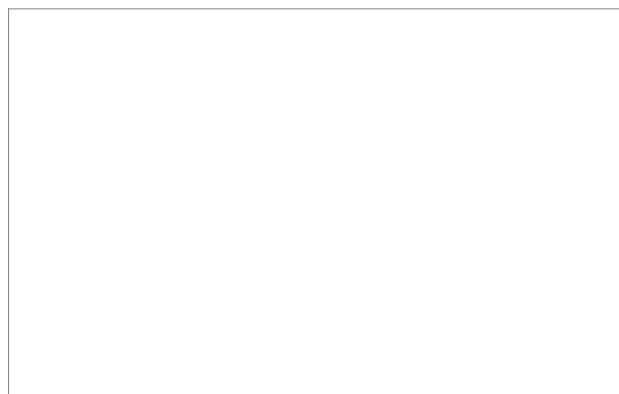
Certification No: 15140



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COASTAL BOULEVARD LONGITUDINAL SECTION

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

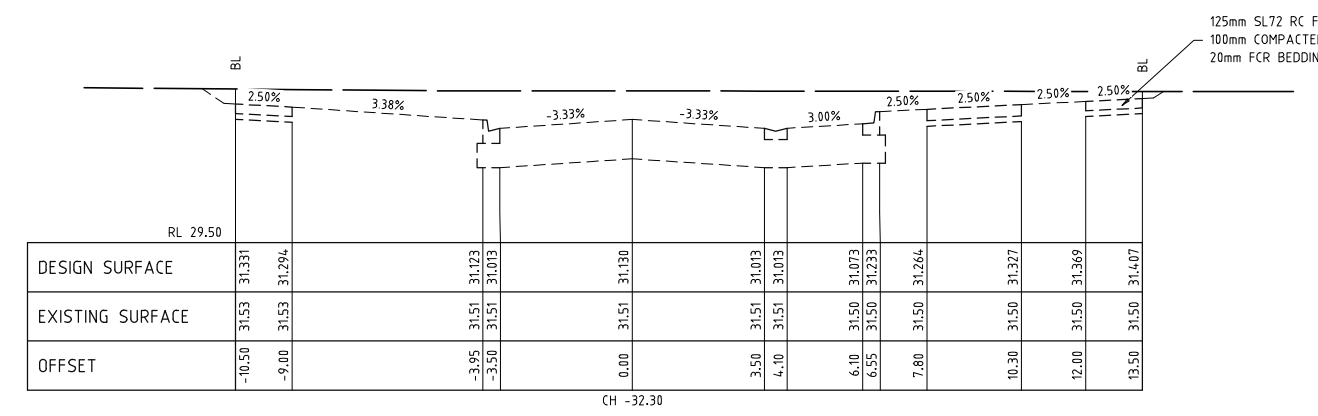
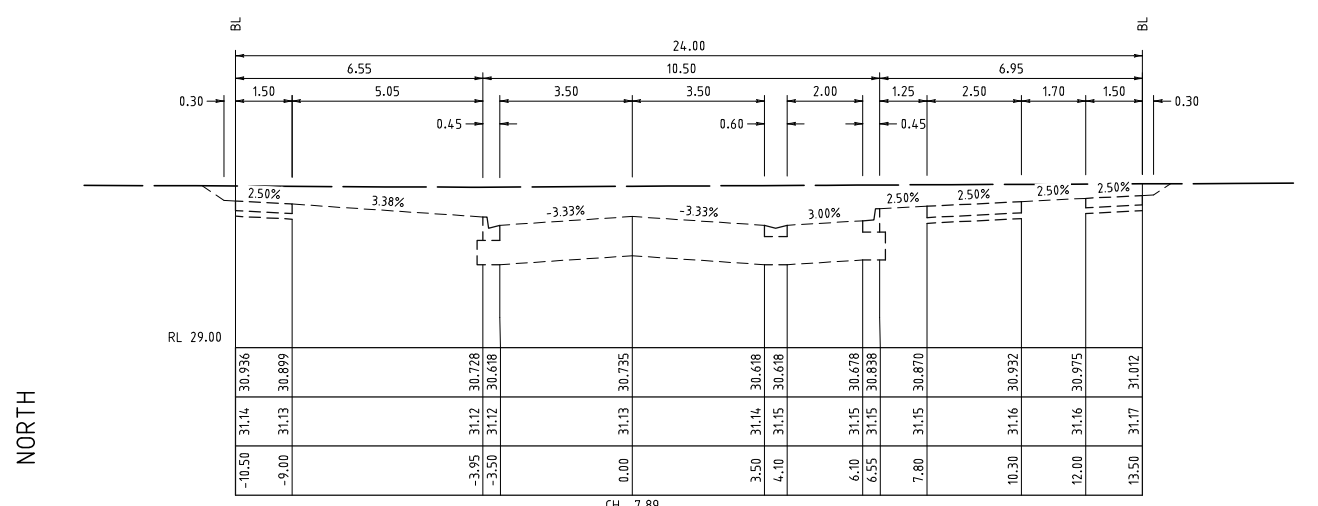
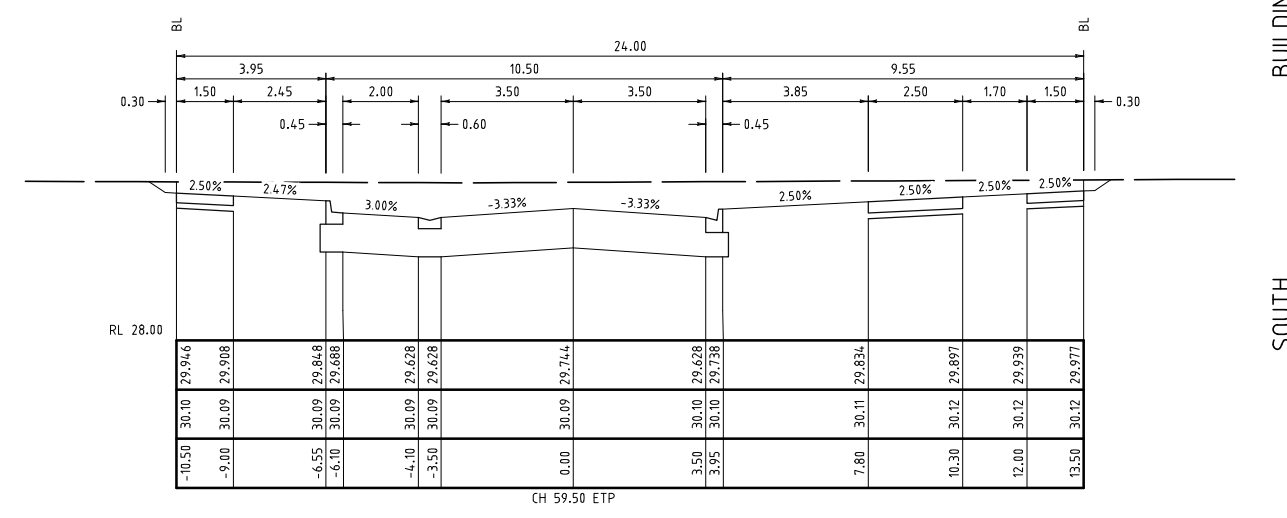
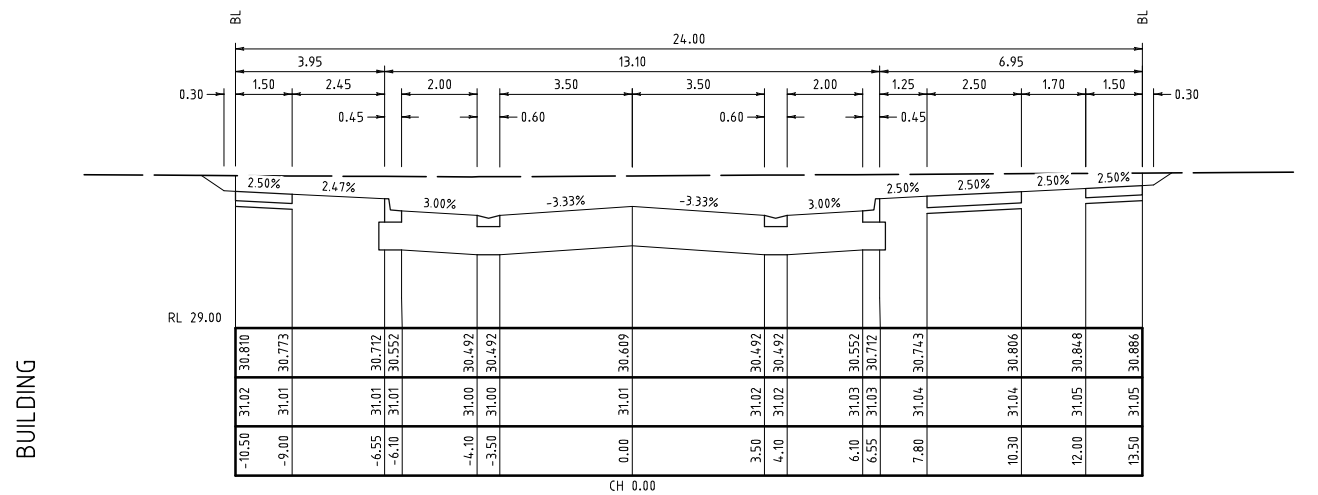
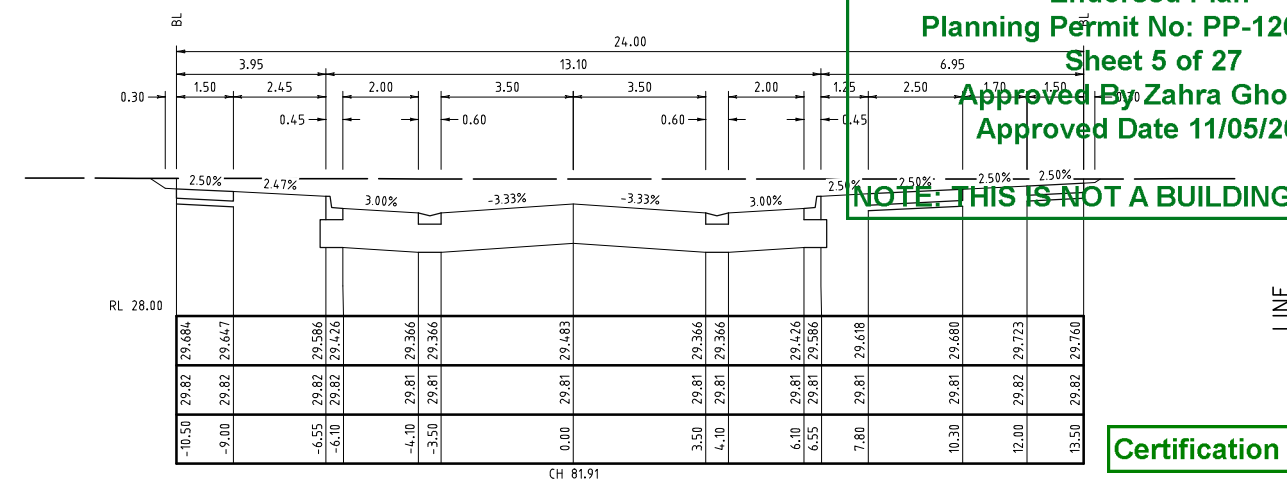
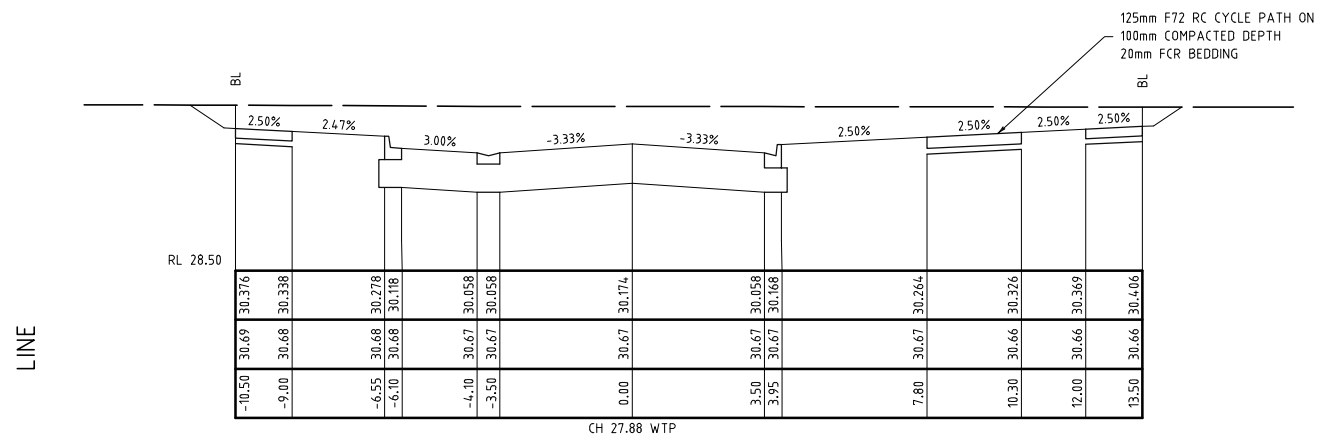


AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
27.04.22	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5		MUNICIPALITY GREATER GEELONG
DATE	DESCRIPTION	SURVEYED	SCALE AS SHOWN DATUM AHD DATE AUG '21		REFERENCE 1503 E/5
A1		DESIGNED	SHEET 4 OF 27		
1:500 10 5 0 10 20 30 METRES		DRAWN			
1:50 1 0.5 0 1 2 3		CHECKED			

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 5 of 27
 Approved By: Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



- PAVEMENT TO CONSIST OF:
- 40mm COMPACTED DEPTH 10mm TYPE H ASPHALT
 - PRIME AS SPECIFIED
 - 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
 - 330mm 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

PLANNING PERMIT No 1263/2011

COASTAL BOULEVARD CROSS SECTIONS

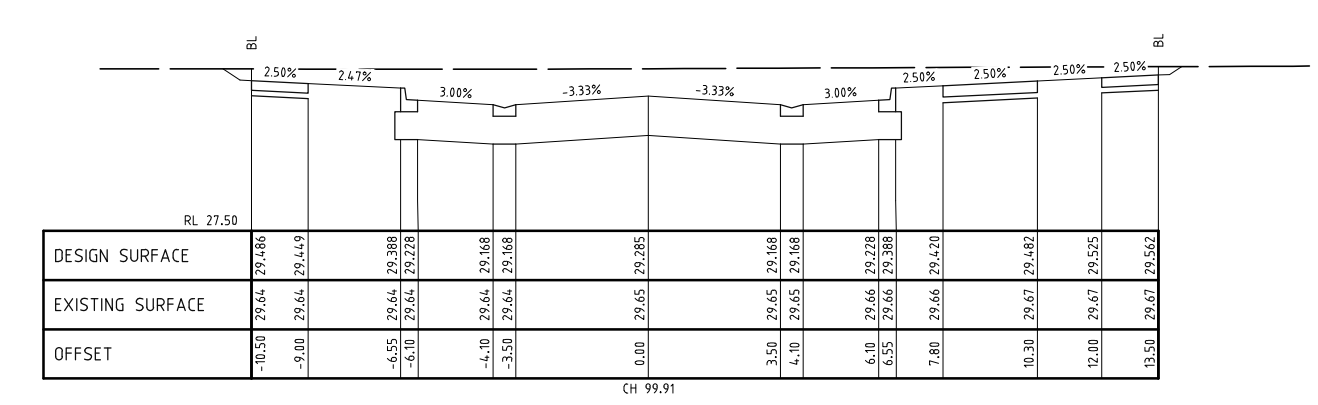
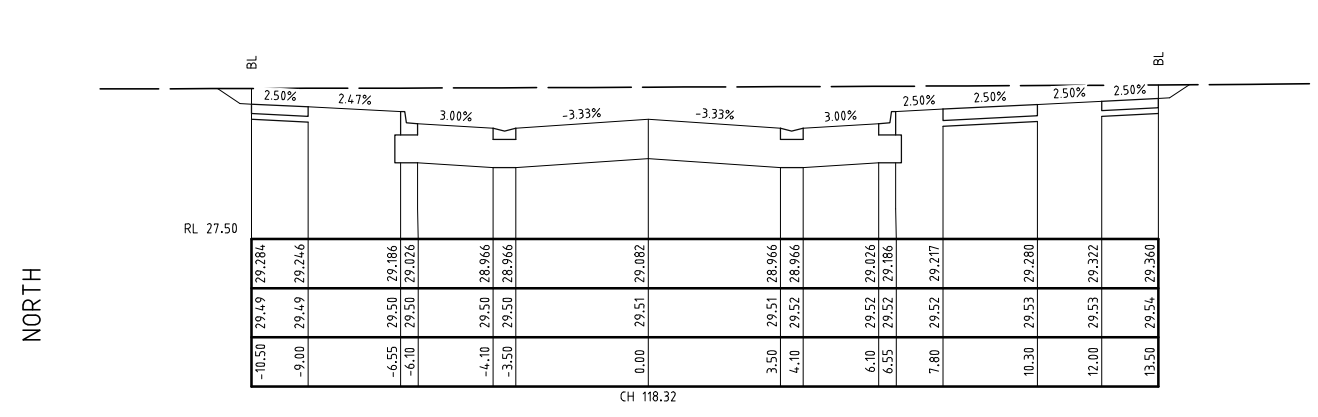
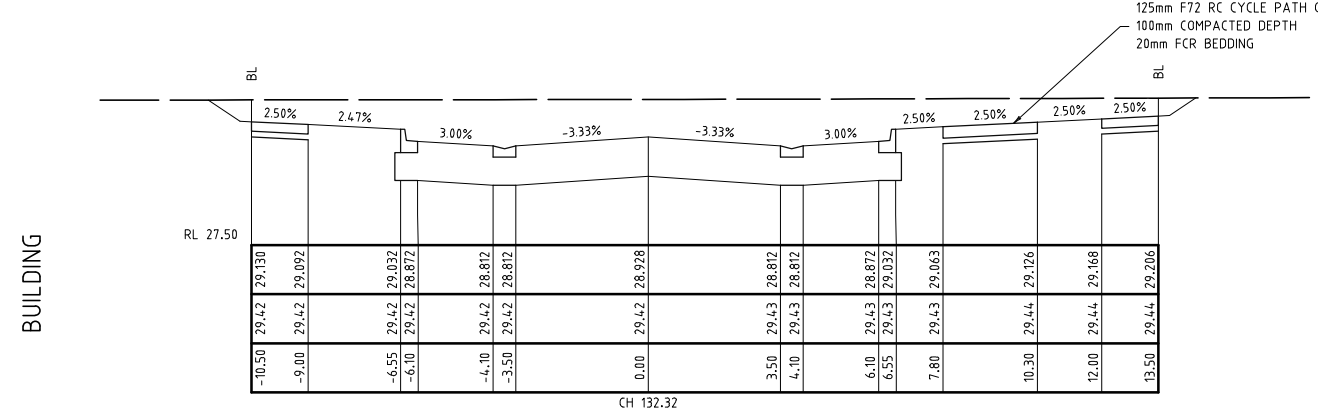
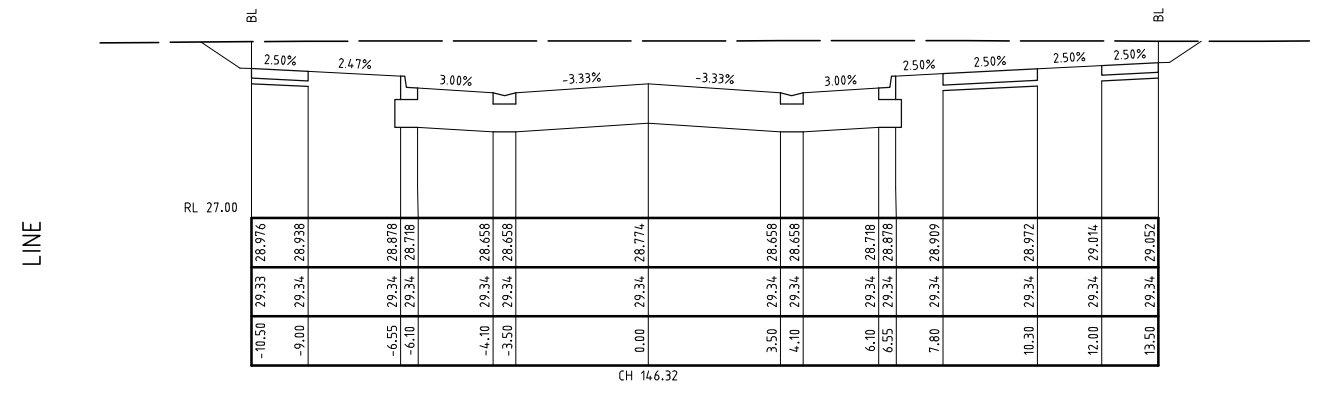
SCALES - HORIZ. 1 : 100
 VERT. 1 : 50

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY	
	27.04.22		VERSION B		SURVEYED	GREATER GEELONG
	DATE		DESCRIPTION		DESIGNED	REFERENCE
	1:100		1 0 2 4 6 METRES		P.J.B	1503 E/5
A1	1:50	1 0.5 0 1 2 3 METRES	DRAWN	C.S.	SCALE AS SHOWN DATUM AHD DATE AUG '21 SHEET 5 OF 27	

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 6 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

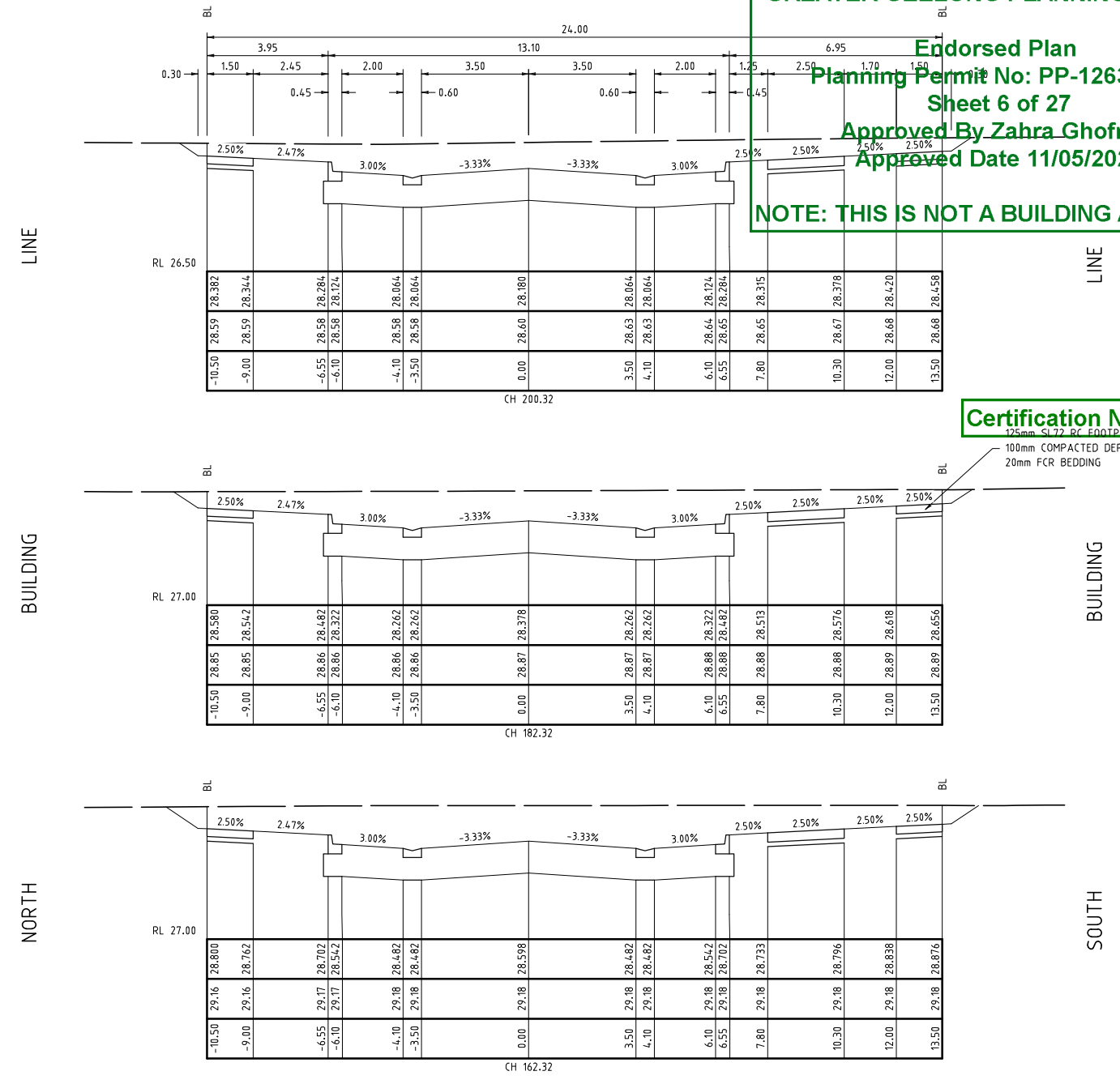
Certification No: 15140



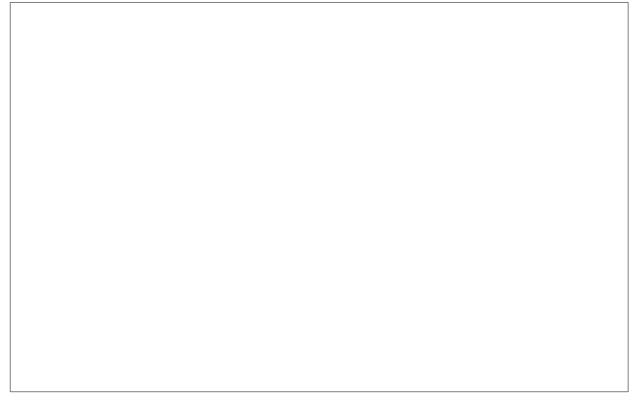
COASTAL BOULEVARD CROSS SECTIONS

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

- PAVEMENT TO CONSIST OF:
- 40mm COMPACTED DEPTH 10mm TYPE H ASPHALT
 - PRIME AS SPECIFIED
 - 150mm COMPACTED DEPTH 20mm CLASS 2 FCR
 - 330mm 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



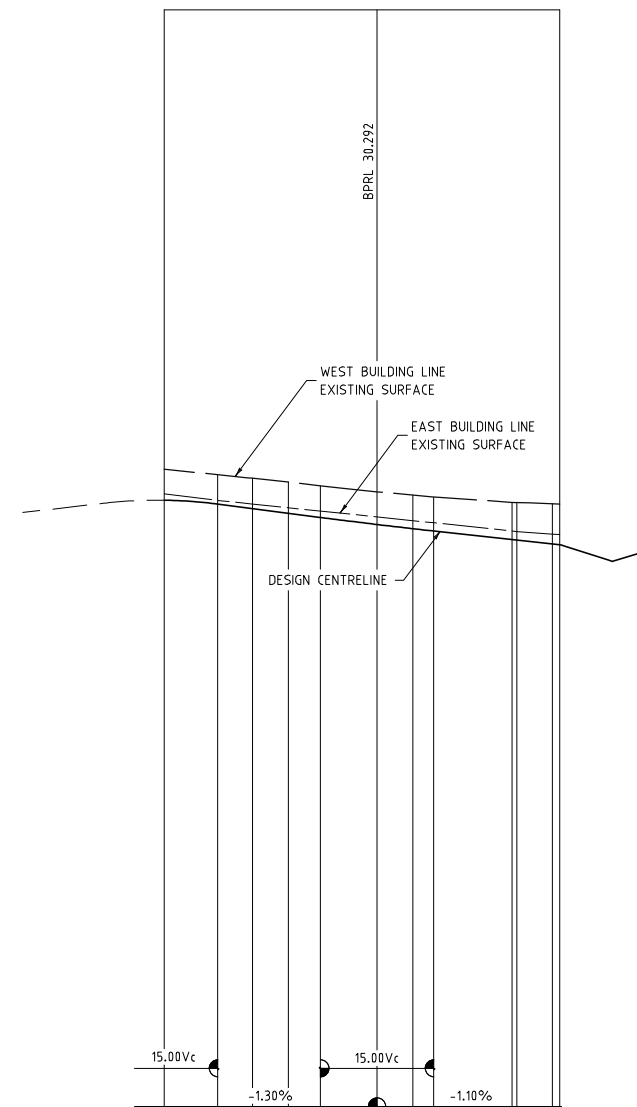
PLANNING PERMIT No 1263/2011



AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799			
	27.04.22		VERSION B	MELWAY REF.		
	DATE		DESCRIPTION	SURVEYED		
				DESIGNED	P.J.B.	
A1	1:100	1 0 2 4 6	KINGSTON COAST ESTATE STAGE 5	DRAWN	C.S.	
	1:50	1 0.5 0 1 2 3		CHECKED		
				SCALE AS SHOWN	DATUM	AHD
				MUNICIPALITY	GREATER GEELONG	
				REFERENCE	1503 E/5	
				SHEET	6 OF 27	

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



NOTE:
 SEE SHEET No 14 FOR
 INTERSECTION / KERB
 RETURN DETAILS

DATUM RL 22.00

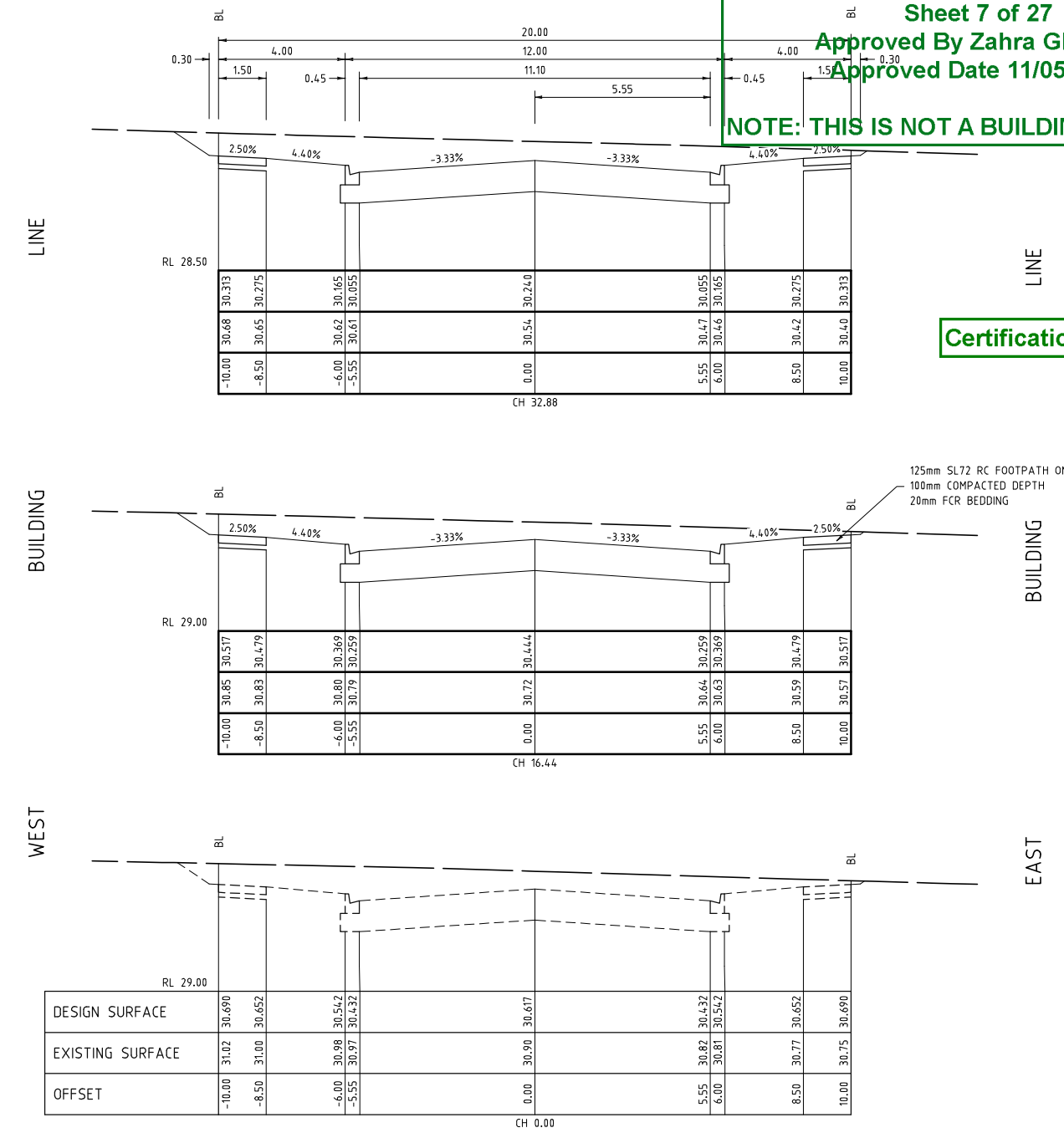
DESIGN CENTRELINE	0.00	7.07	11.71	16.44	20.65	28.15	32.88	35.65	46.03	46.65	51.38	52.34
WEST BUILDING LINE EXISTING SURFACE	30.617	31.02	30.566	30.506	30.444	30.389	30.296	30.168	30.095	30.088	30.036	30.026
WEST BUILDING LINE FINISHED SURFACE	30.690	30.639	30.578	30.517	30.455	30.399	30.308	30.180	30.107	30.100	30.048	30.038
WEST BACK OF KERB	30.542	30.491	30.431	30.369	30.307	30.245	30.154	30.026	29.953	29.946	29.894	29.884
EAST BACK OF KERB	30.542	30.491	30.431	30.369	30.307	30.245	30.154	30.026	29.953	29.946	29.894	29.884
EAST BUILDING LINE FINISHED SURFACE	30.690	30.639	30.578	30.517	30.455	30.399	30.308	30.180	30.107	30.100	30.048	30.038
EAST BUILDING LINE EXISTING SURFACE	30.75	30.67	30.62	30.57	30.53	30.45	30.40	30.37	30.22	30.22	30.22	30.22
CHAINAGE	0.00	7.07	11.71	16.44	20.65	28.15	32.88	35.65	46.03	46.65	51.38	52.34

OAKDEAN BOULEVARD LONGITUDINAL SECTION
 SCALES - HORIZ. 1 : 500
 VERT. 1 : 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) 310mm COMPACTED DEPTH 20mm CLASS 3 FCR (2 LAYERS)
 e) 200mm DEPTH 3% LIME & 3% CEMENT STABILIZED SUBGRADE
 EXTENDING 150mm BEHIND KERB

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

PLANNING PERMIT No 1263/2011



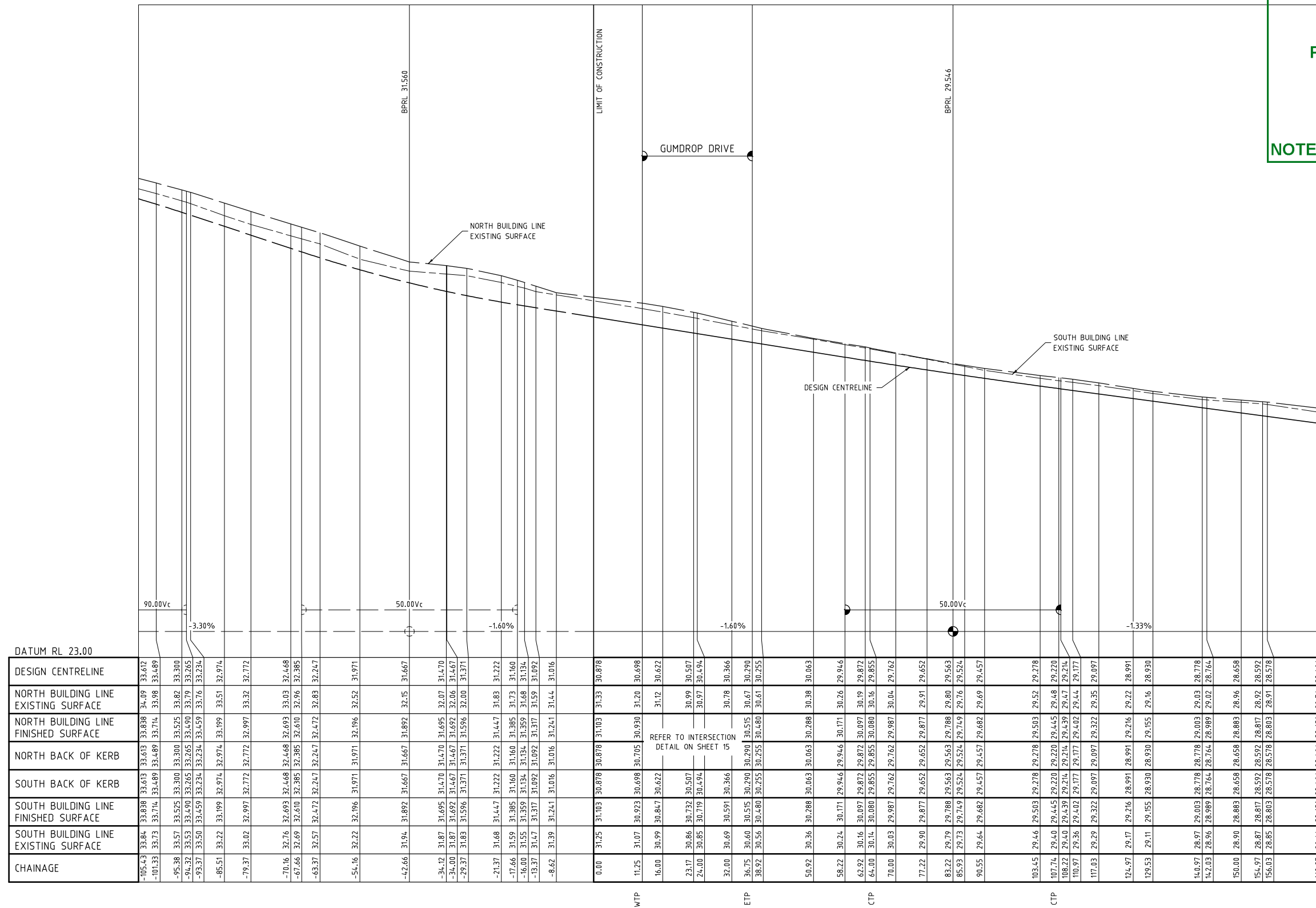
OAKDEAN BOULEVARD CROSS SECTIONS
 SCALES - HORIZ. 1 : 100
 VERT. 1 : 50

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	27.04.22		VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5
	DATE		DESCRIPTION	SURVEYED	MUNICIPALITY GREATER GEELONG
	1:500 10 5 0 0 10 10 20 30		1:100 2 1 0 2 4 6	DESIGNED P.J.B	REFERENCE 1503 E/5
1:50 1 0.5 0 1 2 3	METRES	DRAWN C.S.	SHEET 7 OF 27		
		CHECKED	SCALE AS SHOWN	DATUM AHD	
			DATE	AUG '21	

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 8 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



PLANNING PERMIT No 1263/2011

RIPVIEW DRIVE LONGITUDINAL SECTION

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

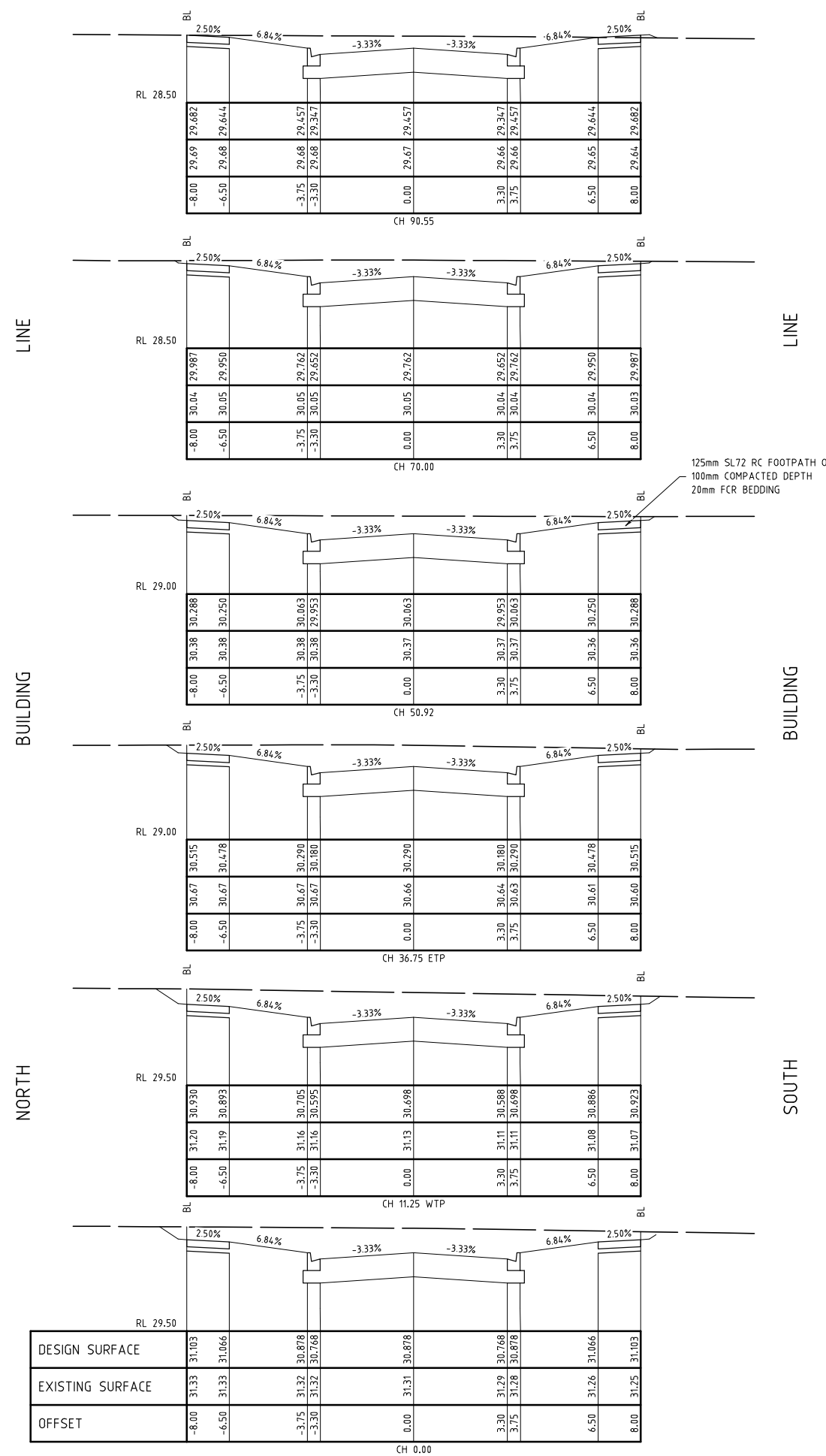


AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
27.04.22	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5		MUNICIPALITY GREATER GEELONG
DATE	DESCRIPTION	DESIGNED	P.J.B.		REFERENCE 1503 E/5
1 : 500	0 5 10 20 30 METRES	DRAWN	C.S.		SHEET 8 OF 27
1 : 50	0 0.5 1 2 3 METRES	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE AUG '21

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 9 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

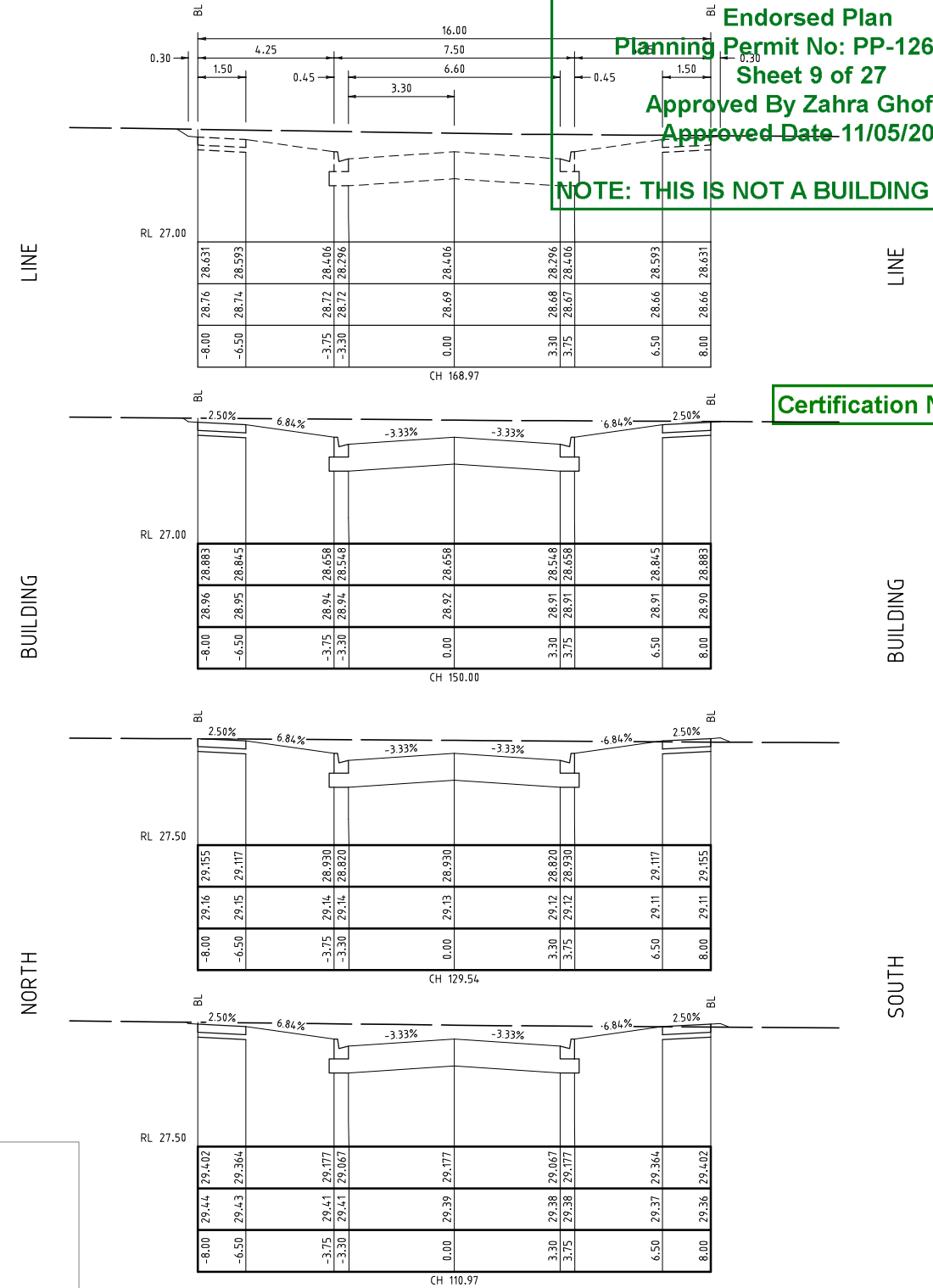
Certification No: 15140



- 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

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

PLANNING PERMIT No 1263/2011



RIPVIEW DRIVE CROSS SECTIONS

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

DESIGN SURFACE	31.103	31.066	30.878	30.878	31.066	31.103
EXISTING SURFACE	31.33	31.33	31.32	31.32	31.066	31.103
OFFSET	-8.00	-6.50	-3.75	-3.30	0.00	8.00

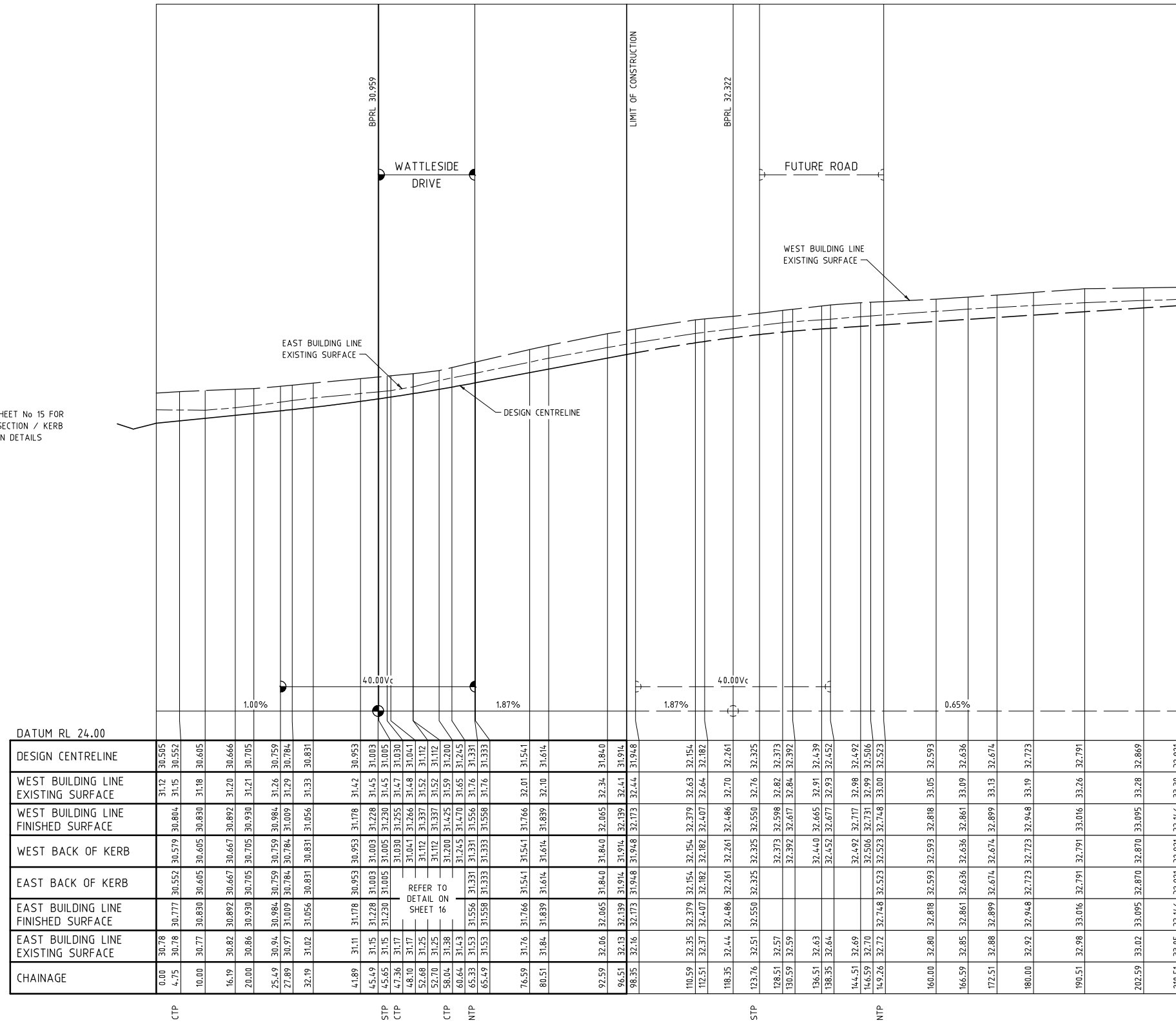
AMENDMENTS A1	27.04.22	VERSION B	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY	GREATER GEELONG		
	DATE	DESCRIPTION		DESIGNED		P.J.B	REFERENCE	1503 E/5	
	1 : 500	10 5 0 10 20 30		DRAWN		C.S.	SCALE AS SHOWN	DATUM	AHD
	1 : 50	1 0.5 0 1 2 3		CHECKED			DATE	AUG '21	SHEET

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 10 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140

NOTE:
 SEE SHEET No 15 FOR
 INTERSECTION / KERB
 RETURN DETAILS



GUMDROP DRIVE LONGITUDINAL SECTION

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

PLANNING PERMIT No 1263/2011



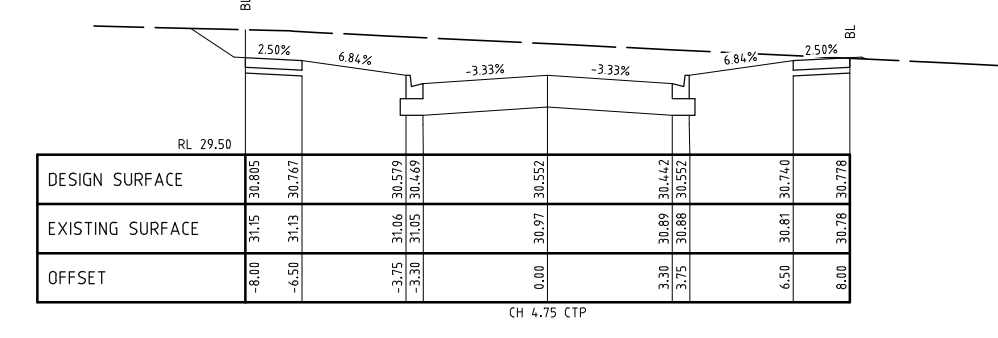
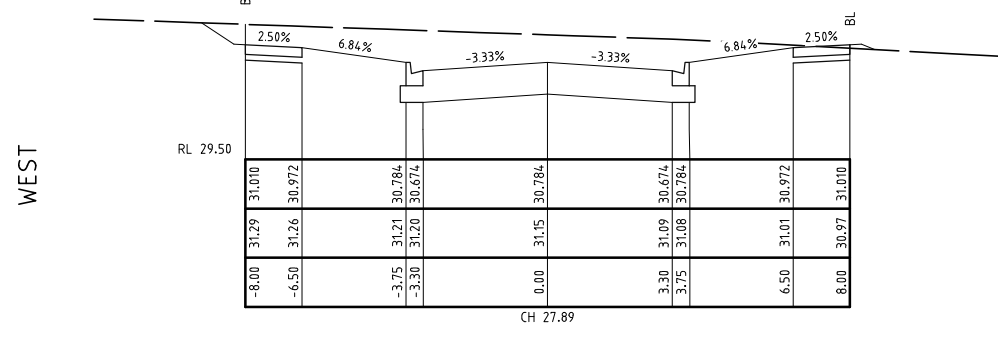
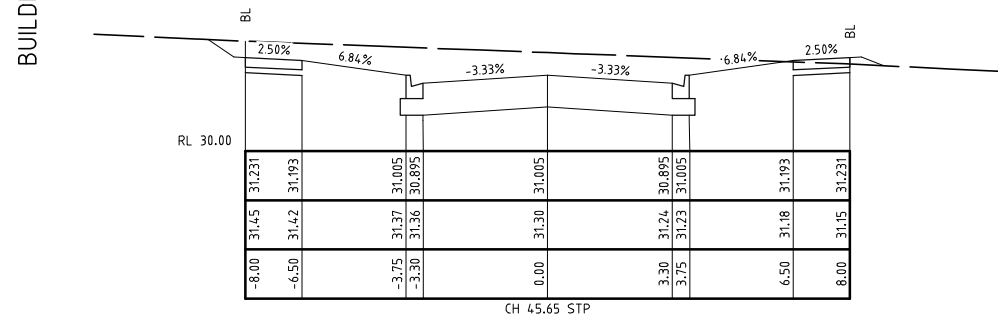
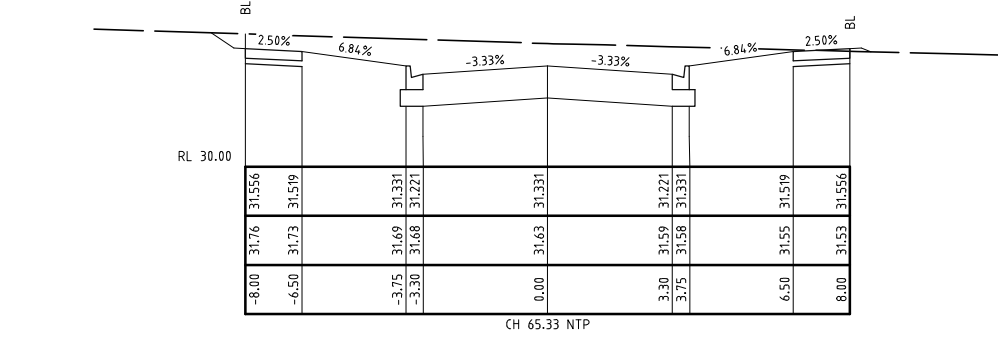
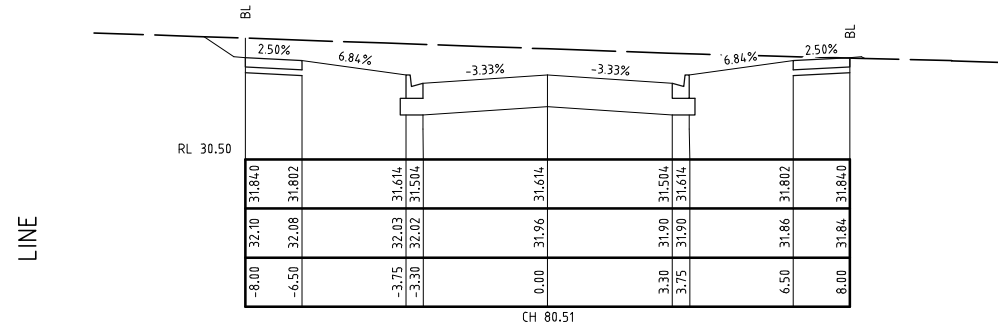
AMENDMENTS	27.04.22	VERSION B	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY					
	DATE	DESCRIPTION		SURVEYED		GREATER GEELONG					
	DESIGNED	P.J.B		DRAWN		C.S.	REFERENCE				
	1 : 500	0 5 10 20 30		1 : 50		1 0.5 1 2 3	1503 E/5				
				CHECKED	SCALE AS SHOWN	DATUM	AHD	DATE	AUG '21	SHEET	10 OF 27

**GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME**

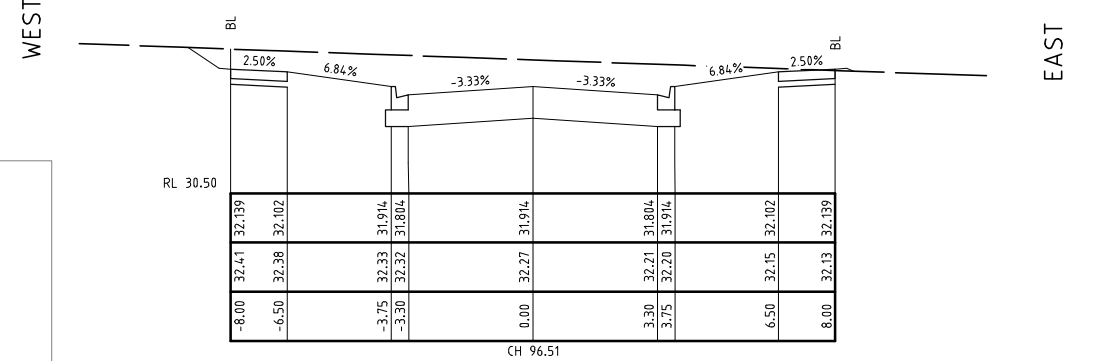
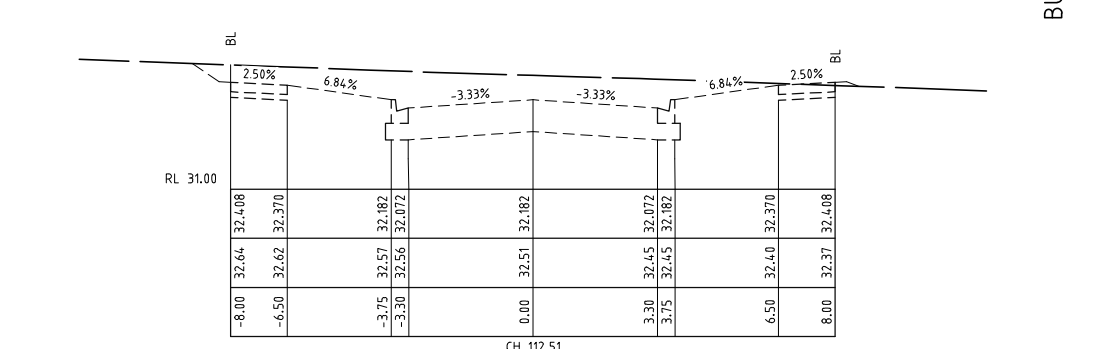
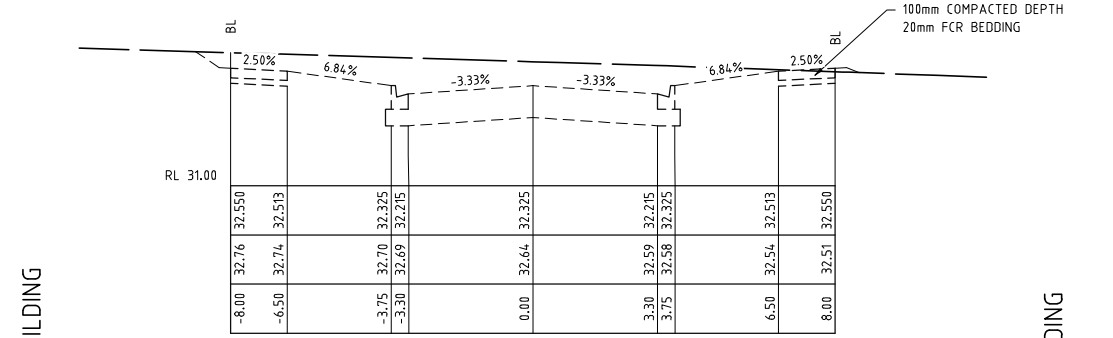
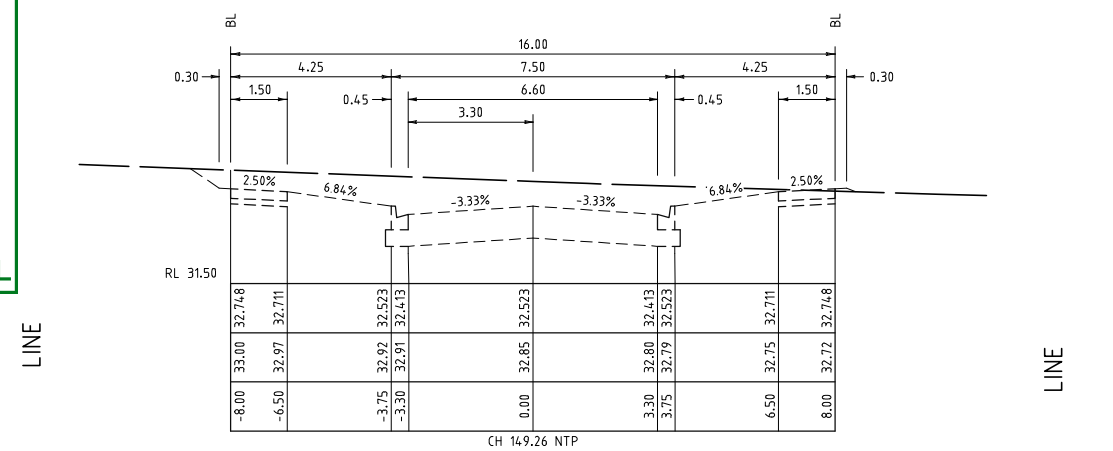
**Endorsed Plan
Planning Permit No: PP-1263-2011
Sheet 11 of 27
Approved By Zahra Ghofrani
Approved Date 11/05/2022**

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



DESIGN SURFACE	-8.00	31.15	30.805	30.579	30.442	30.552	30.740	30.778
EXISTING SURFACE	-8.00	31.15	31.06	31.05	30.88	30.81	30.740	30.778
OFFSET	-8.00	-6.50	-3.75	-3.30	0.00	3.30	6.50	8.00

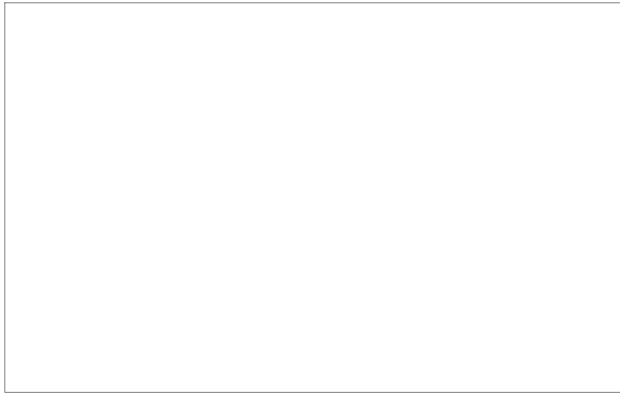


GUMDROP DRIVE CROSS SECTIONS
SCALES - HORIZ. 1 : 100
VERT. 1 : 50

- 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.

PLANNING PERMIT No 1263/2011



AMENDMENTS A1	27.04.22	VERSION B	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY	GREATER GEELONG	
	DATE	DESCRIPTION		SURVEYED		REFERENCE	1503 E/5	
	DESIGNED	P.J.B		DRAWN		C.S.	SHEET	11 OF 27
	CHECKED			SCALE AS SHOWN		DATUM	AHD	DATE

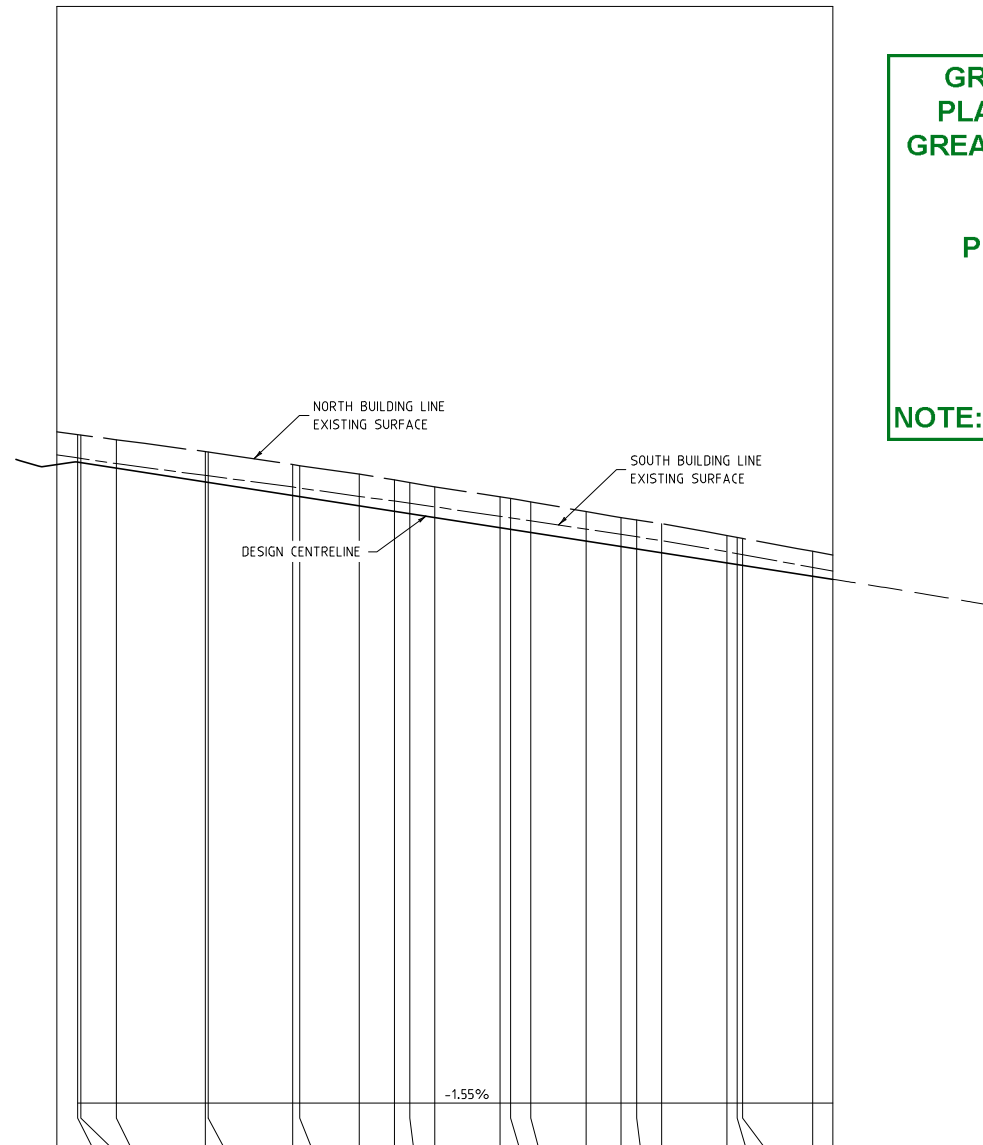
**GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME**

**Endorsed Plan
Planning Permit No: PP-1263-2011
Sheet 12 of 27
Approved By Zahra Ghofrani
Approved Date 11/05/2022**

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140

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



	0.00	3.17	7.75	13.12	19.64	27.00	34.78	42.78	50.00	58.64	67.00	75.00	83.64	92.00	100.00	108.64	117.00	125.78	134.00	
DATUM RL 22.00																				
DESIGN CENTRELINE	31.044	31.044	31.075	31.069	31.084	31.033	31.033	31.033	30.635	30.620	30.498	30.258	30.033	29.961	29.929	29.878	29.712	29.527	29.527	
NORTH BUILDING LINE EXISTING SURFACE	31.148	31.148	31.075	31.069	31.084	31.033	31.033	31.033	30.635	30.620	30.498	30.258	30.033	29.961	29.929	29.878	29.712	29.527	29.527	
NORTH BUILDING LINE FINISHED SURFACE																				
NORTH BACK OF KERB																				
SOUTH BACK OF KERB																				
SOUTH BUILDING LINE FINISHED SURFACE	31.17	31.13	31.294	31.069	31.033	31.033	31.033	31.033	30.635	30.620	30.498	30.258	30.033	29.961	29.929	29.878	29.712	29.527	29.527	
SOUTH BUILDING LINE EXISTING SURFACE	31.17	31.13	31.294	31.069	31.033	31.033	31.033	31.033	30.635	30.620	30.498	30.258	30.033	29.961	29.929	29.878	29.712	29.527	29.527	
CHAINAGE	0.00	3.17	7.75	13.12	19.64	27.00	34.78	42.78	50.00	58.64	67.00	75.00	83.64	92.00	100.00	108.64	117.00	125.78	134.00	

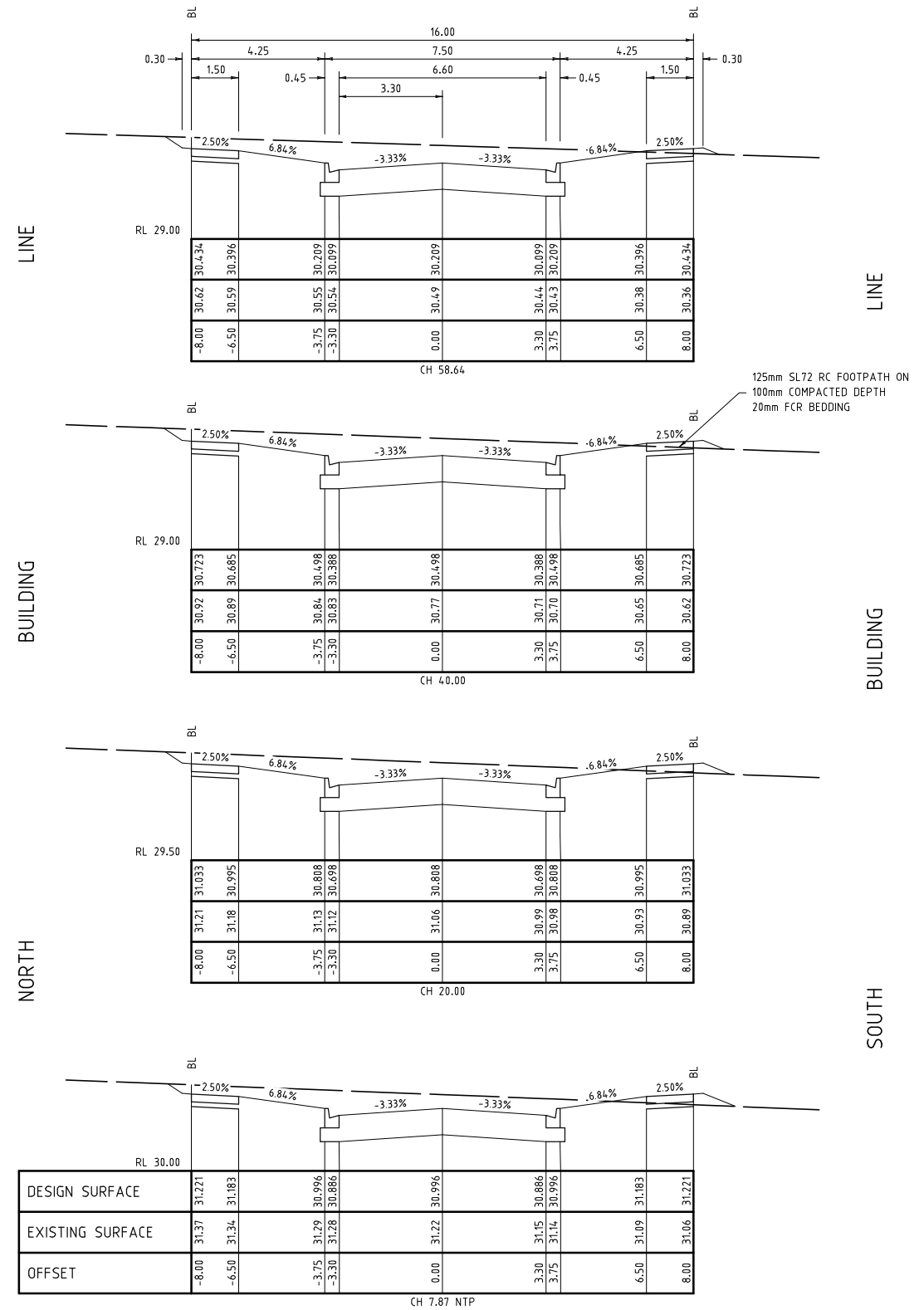
STP NTP
WATTLESIDE DRIVE LONGITUDINAL SECTION

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

PLANNING PERMIT No 1263/2011



WATTLESIDE DRIVE CROSS SECTIONS

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

AMENDMENTS		MELWAY REF.		MUNICIPALITY	
27.04.22	VERSION B			GREATER GEELONG	
DATE	DESCRIPTION	DESIGNED	P.J.B	REFERENCE	
1:500	10	DRAWN	C.S.	1503 E/5	
1:50	1 0.5 0 1 2 3	CHECKED		SCALE AS SHOWN	DATUM AHD
				DATE	AUG '21
				SHEET 12 OF 27	



Peter Berry & Associates Pty. Ltd.
Civil Engineers

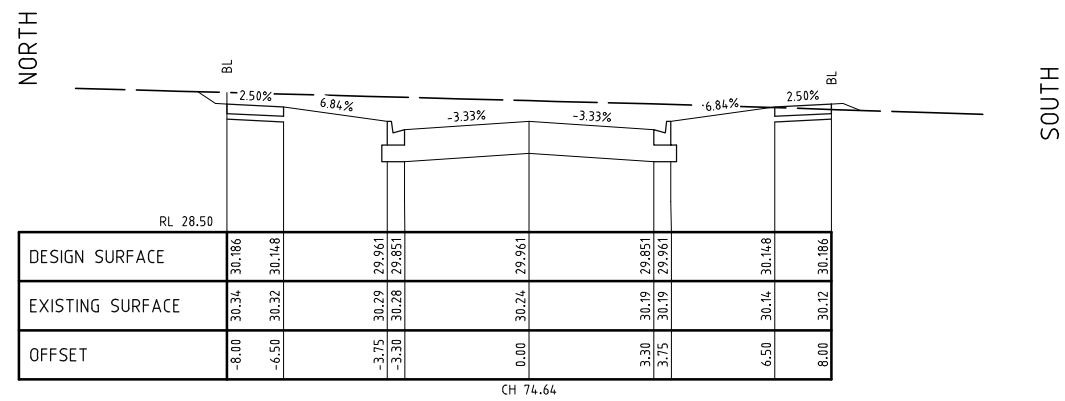
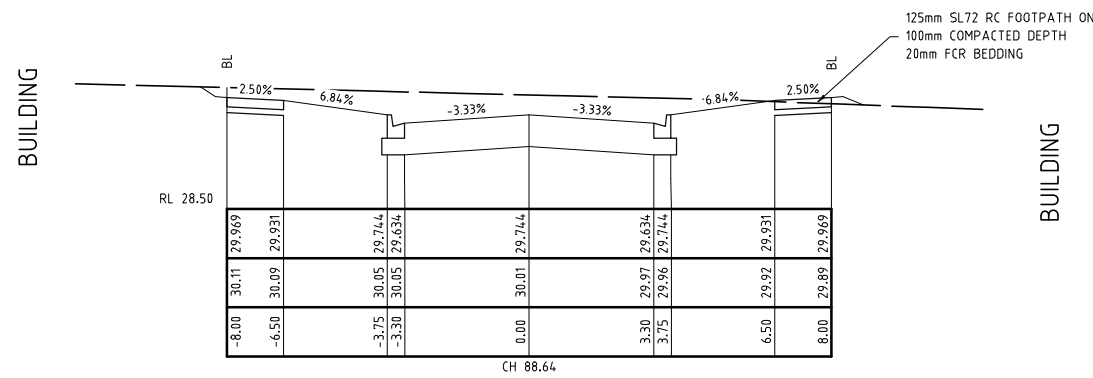
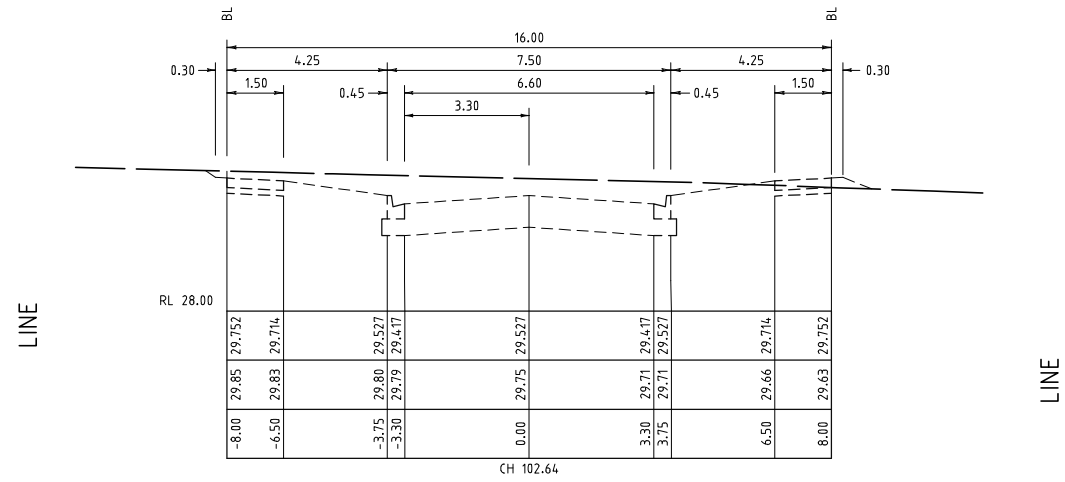
153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799

KINGSTON COAST ESTATE
STAGE 5

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 13 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



WATTLESIDE DRIVE CROSS SECTIONS

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

- 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

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

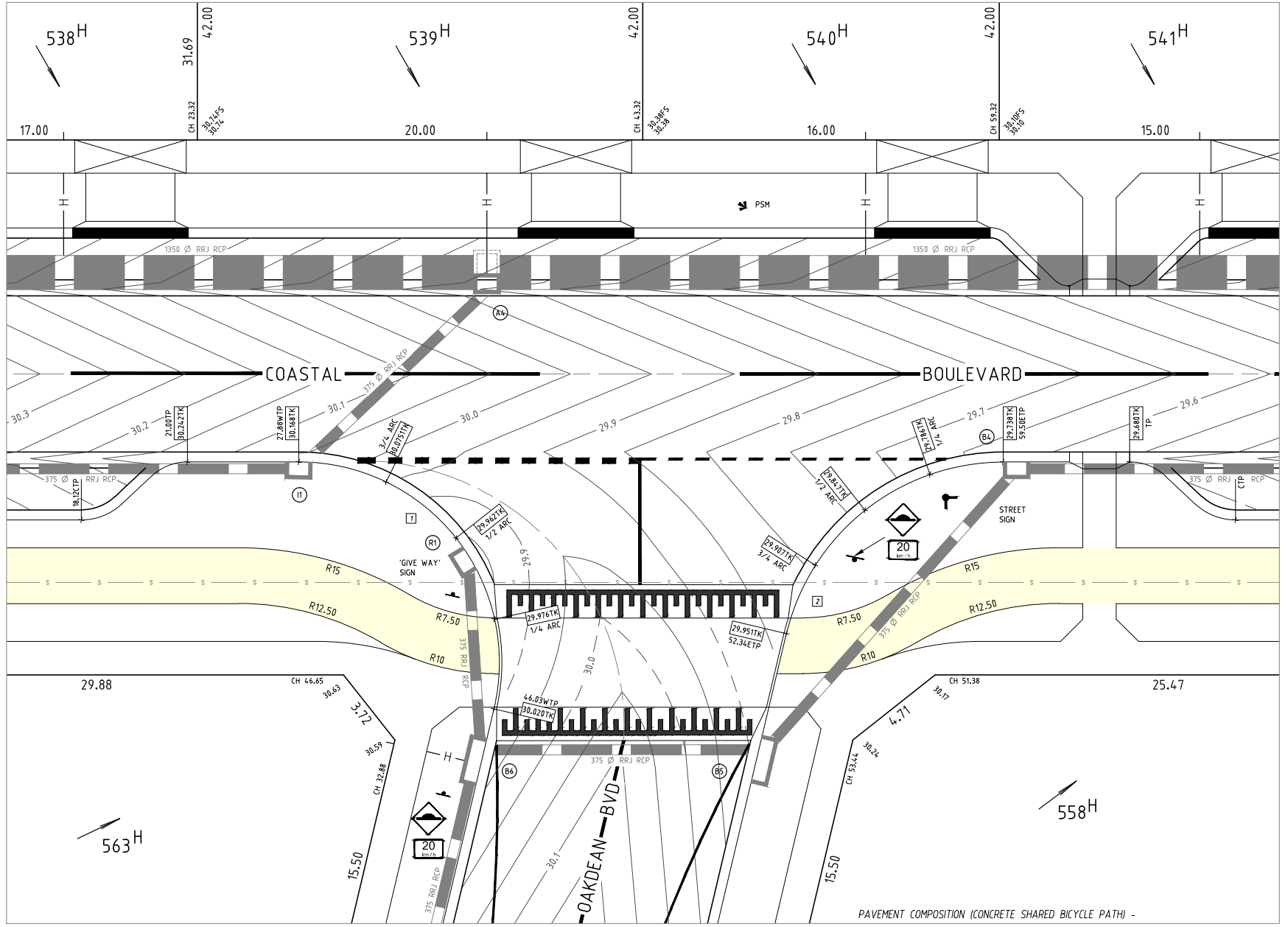
PLANNING PERMIT No 1263/2011

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY						
	27.04.22		VERSION B		SURVEYED	GREATER GEELONG					
	DATE		DESCRIPTION		DESIGNED	REFERENCE					
	1 : 500		10 5 0 10 20 30		P.J.B	1503 E/5					
A1	1 : 50	1 0.5 0 1 2 3	DRAWN	C.S.	SCALE AS SHOWN	DATUM	AHD	DATE	AUG '21	SHEET	13 OF 27

Endorsed Plan
 Planning Permit No. PP-1263-2011
 Sheet 14 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

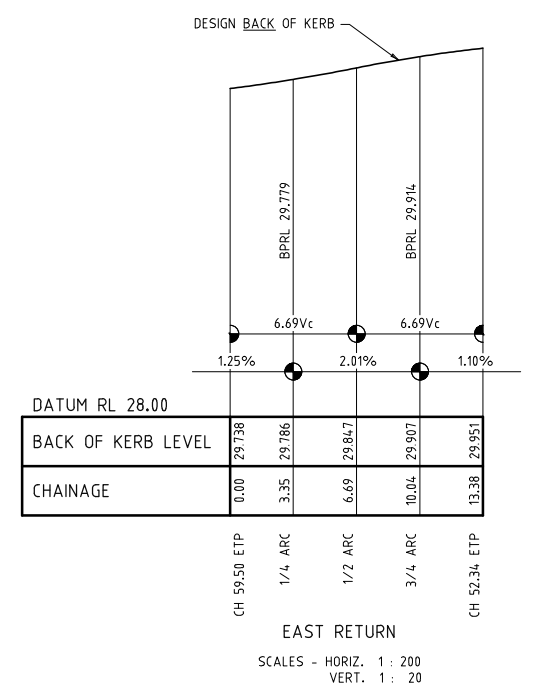
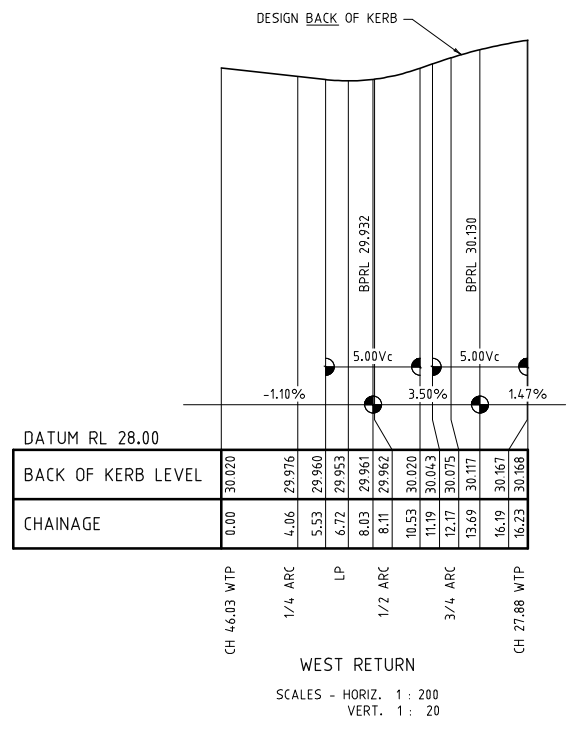
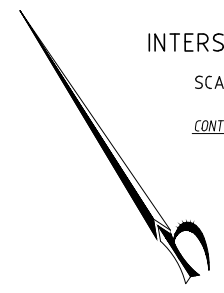
NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



INTERSECTION DETAIL

SCALE (A1) 1 : 125
 CONTOUR INTERVAL 0.05 m

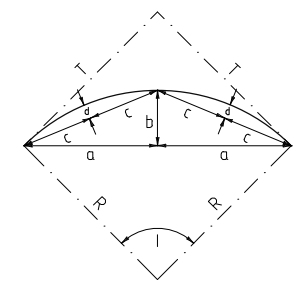


- PAVEMENT COMPOSITION (CONCRETE SHARED BICYCLE PATH) -
- i) 125mm COMPACTED DEPTH REINFORCED (F72 MESH), 32MPa COLOURED CONCRETE, VIBRATED AND PROPERLY CURED IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARD CODE. "SAND" COLOUR TO BE ADDED AT THE TIME OF BATCHING.
 - ii) 50mm COMPACTED DEPTH CLASS 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.

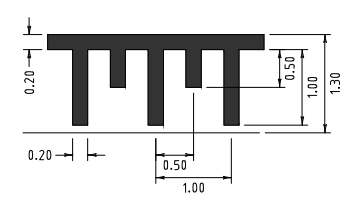
CURVE SETOUT TABLE

CURVE	RADIUS (m)	L	T	ARC	a	b	c	d
1	9.00	103°19'05"	11.379	16.229	7.059	3.417	3.921	0.899
2	10.00	76°40'55"	7.909	13.384	6.203	2.157	3.284	0.555

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

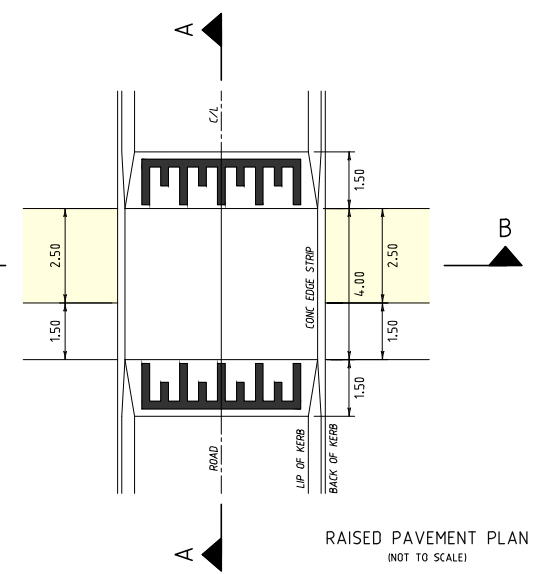


CURVE SETOUT DETAIL
 (NOT TO SCALE)

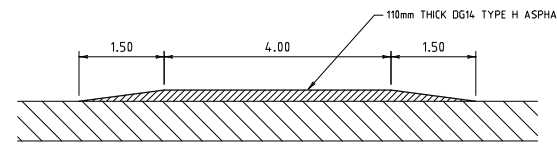


DETAIL
 (NOT TO SCALE)

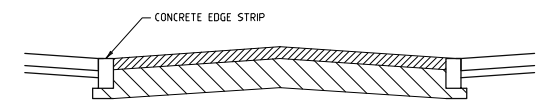
CONTRACTOR IS TO ENSURE RAISED PAVEMENT CROSSING IS ABLE TO DRAIN WATER AWAY EFFECTIVELY



RAISED PAVEMENT PLAN
 (NOT TO SCALE)



SECTION A-A
 (NOT TO SCALE)



SECTION B-B
 (NOT TO SCALE)

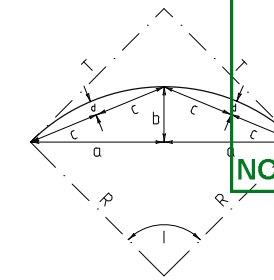
SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
COASTAL BOULEVARD	1.90 S	2.10 N	2.70 N	2.60 S	VARIABLE
OAKDEAN BOULEVARD	1.90 E	2.10 W	2.70 W	2.50 E	4.00

Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
AMENDMENTS 27.04.22 VERSION B	MELWAY REF. SURVEYED DESIGNED P.J.B. DRAWN C.S. CHECKED	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY GREATER GEELONG REFERENCE 1503 E/5 SHEET 14 OF 27
DATE 27.04.22 DESCRIPTION VERSION B		SCALE AS SHOWN DATUM AHD DATE AUG '21	METRES 1:200 4 2 0 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

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140

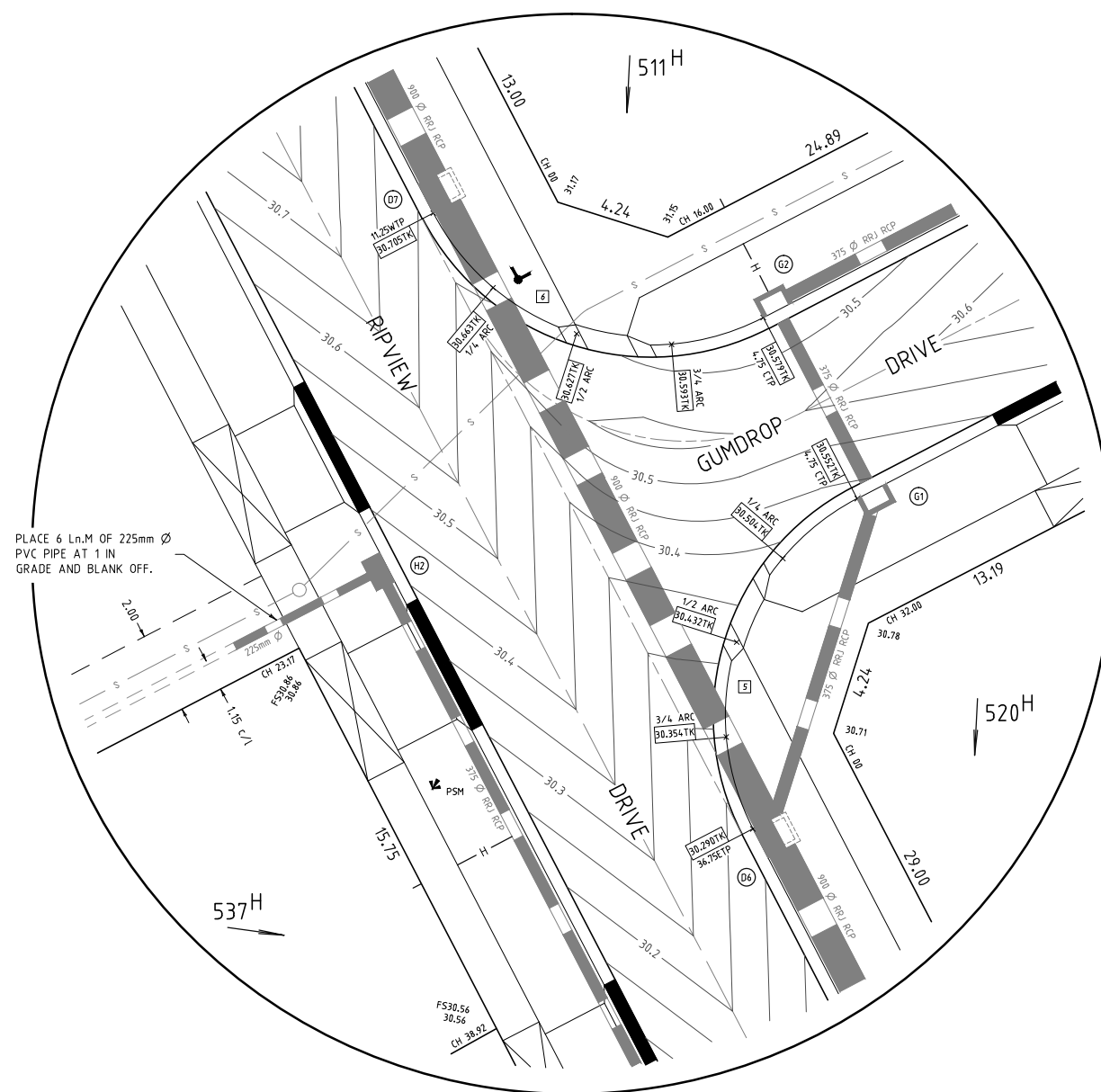


CURVE SETOUT DETAIL
 (NOT TO SCALE)

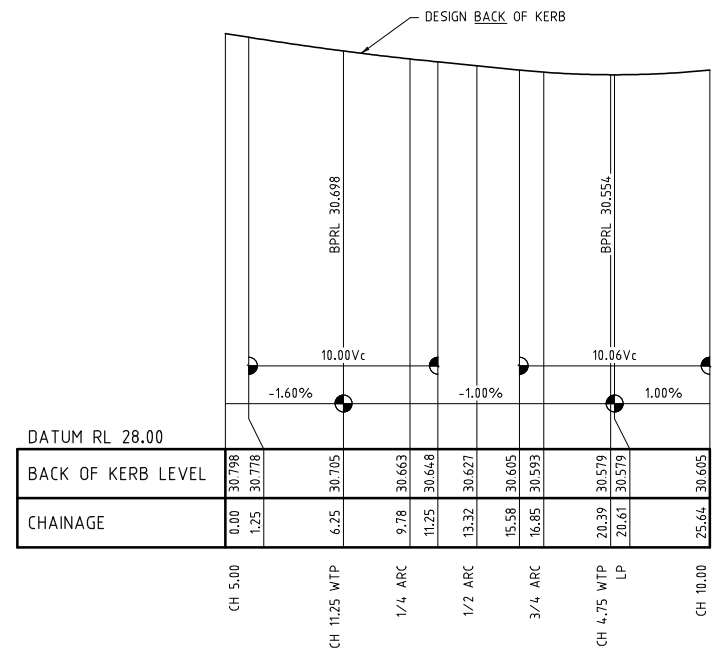
CURVE SETOUT TABLE

CURVE	RADIUS (m)	L	T	ARC	a	b	c	d
5	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685
6	9.00	90°00'00"	9.000	14.137	6.364	2.636	3.444	0.685

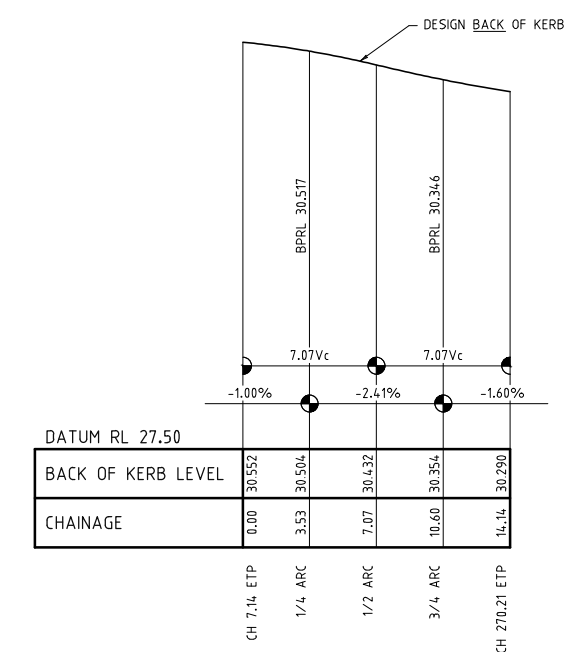
NOTE: ALL CURVE RADII LABELLED THIS - T ARE TO BACK OF KERB



INTERSECTION DETAIL
 SCALE (A1) 1 : 125
 CONTOUR INTERVAL 0.05 m

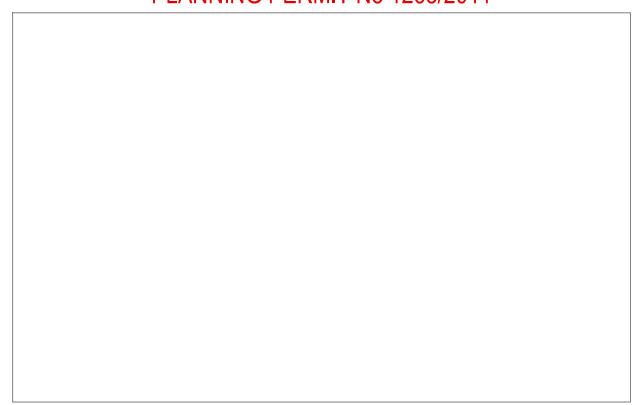


WEST RETURN
 SCALES - HORIZ. 1 : 200
 VERT. 1 : 20



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

PLANNING PERMIT No 1263/2011



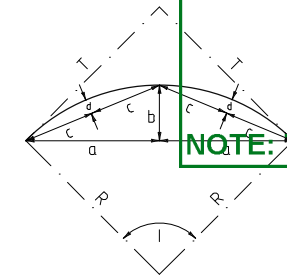
SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
RIPVIEW DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25
GUMDROP DRIVE	1.90 E	2.10 W	2.70 W	2.50 E	4.25

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5	MUNICIPALITY		
	27.04.22		VERSION B		SURVEYED	GREATER GEELONG	
	DATE		DESCRIPTION		DESIGNED	REFERENCE	
	1: 200 4 2 0 4 8 12		1: 125 2.5 1.25 0 2.5 5 7.5		P.J.B	1503 E/5	
1: 20	0.4 0.2 0 0.4 0.8 1.2	C.S.	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE AUG '21	SHEET 15 OF 27

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 16 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

Certification No: 15140

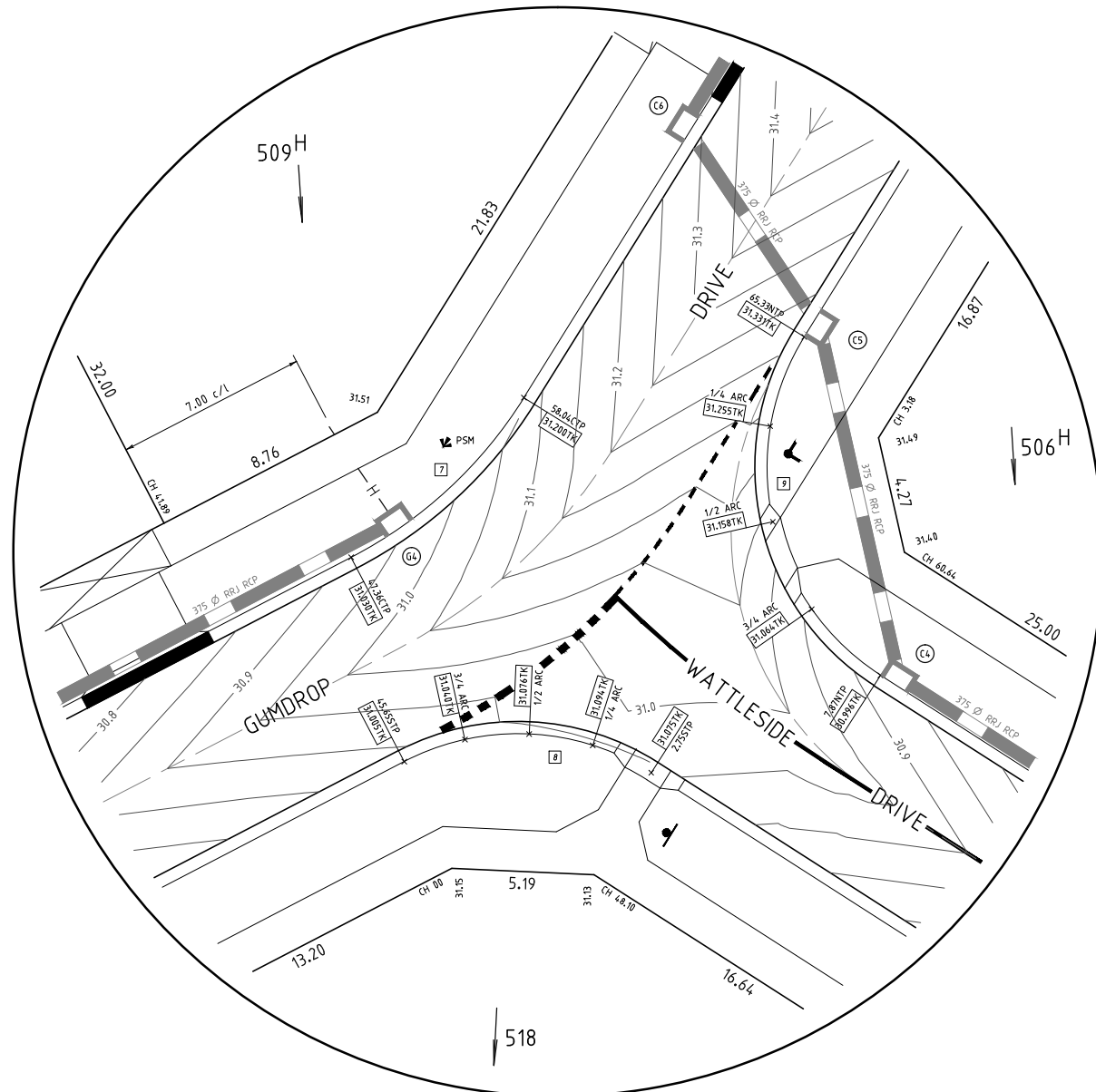


CURVE SETOUT DETAIL
 (NOT TO SCALE)

CURVE SETOUT TABLE

CURVE	RADIUS (m)	L	T	ARC	a	b	c	d
7	16.25	30°36'19"	4.446	8.680	4.289	0.576	2.164	0.145
8	9.00	60°05'51"	5.206	9.440	4.507	1.210	2.333	0.308
9	9.00	89°17'50"	8.890	14.027	6.325	2.597	3.419	0.675

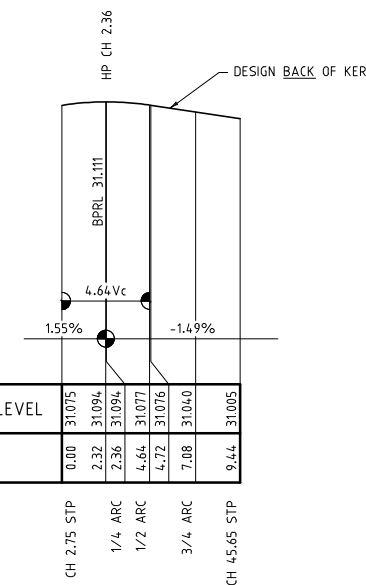
NOTE: ALL CURVE RADII LABELLED THIS - 1 ARE TO BACK OF KERB



INTERSECTION DETAIL

SCALE (A1) 1 : 125

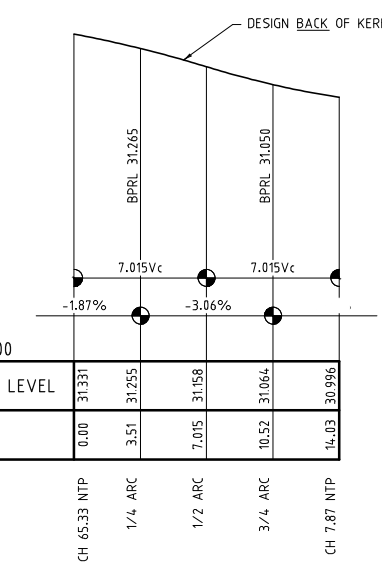
CONTOUR INTERVAL 0.05 m



DATUM RL 29.00	
BACK OF KERB LEVEL	31.075 31.094 31.094 31.077 31.076 31.040 31.005
CHAINAGE	0.00 2.32 2.36 4.64 4.72 7.08 9.44

CH 2.75 STP
 1/4 ARC
 1/2 ARC
 3/4 ARC
 CH 45.65 STP

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

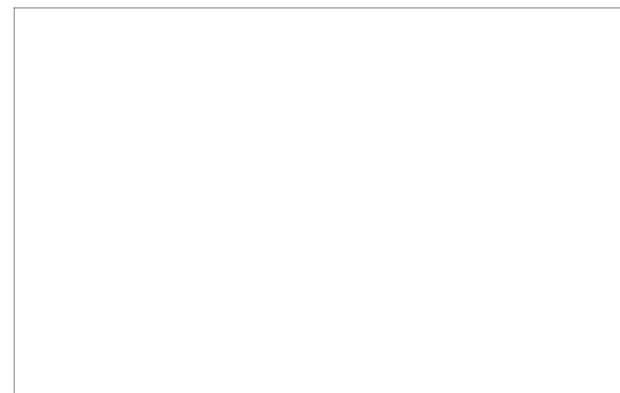


DATUM RL 29.00	
BACK OF KERB LEVEL	31.331 31.255 31.158 31.064 30.996
CHAINAGE	0.00 3.51 7.015 10.52 14.03

CH 65.33 NTP
 1/4 ARC
 1/2 ARC
 3/4 ARC
 CH 7.87 NTP

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

PLANNING PERMIT No 1263/2011



SERVICES LOCATION SCHEDULE

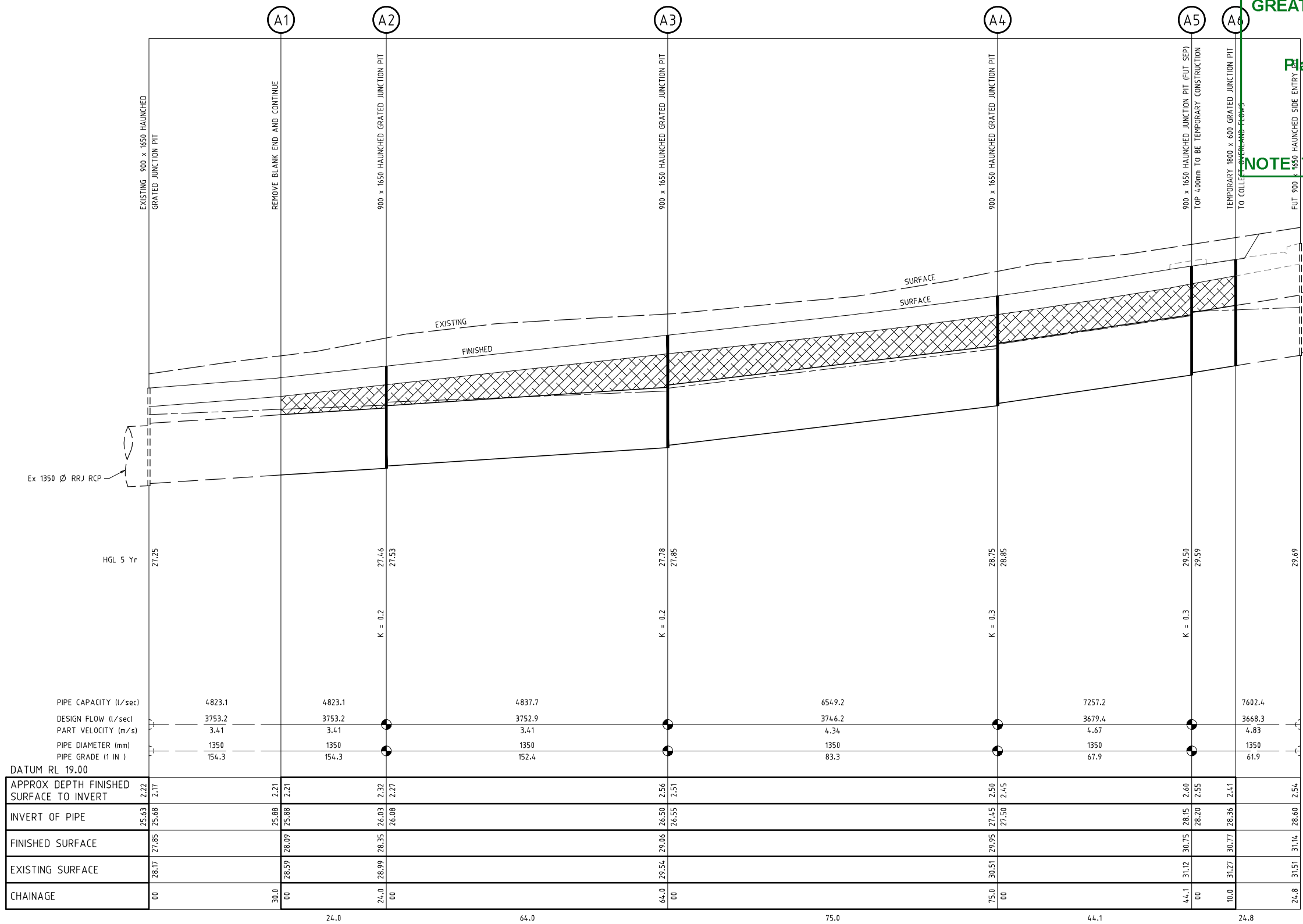
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
GUMDROP DRIVE	1.90 E	2.10 W	2.70 W	2.50 E	4.25
WATTLESIDE DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25

A1 AMENDMENTS 1: 200 4 2 0 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 METRES	MELWAY REF. 27.04.22 VERSION B	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MUNICIPALITY GREATER GEELONG	
	SURVEYED DATE		KINGSTON COAST ESTATE STAGE 5	REFERENCE 1503 E/5
	DESIGNED P.J.B. DRAWN C.S.		SCALE AS SHOWN DATUM AHD DATE AUG '21	SHEET 16 OF 27
	CHECKED		SHEET 16 OF 27	

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 17 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

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Certification No: 15140



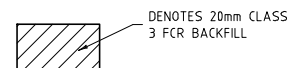
PLANNING PERMIT No 1263/2011

DRAINAGE

LONGITUDINAL

SECTION

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

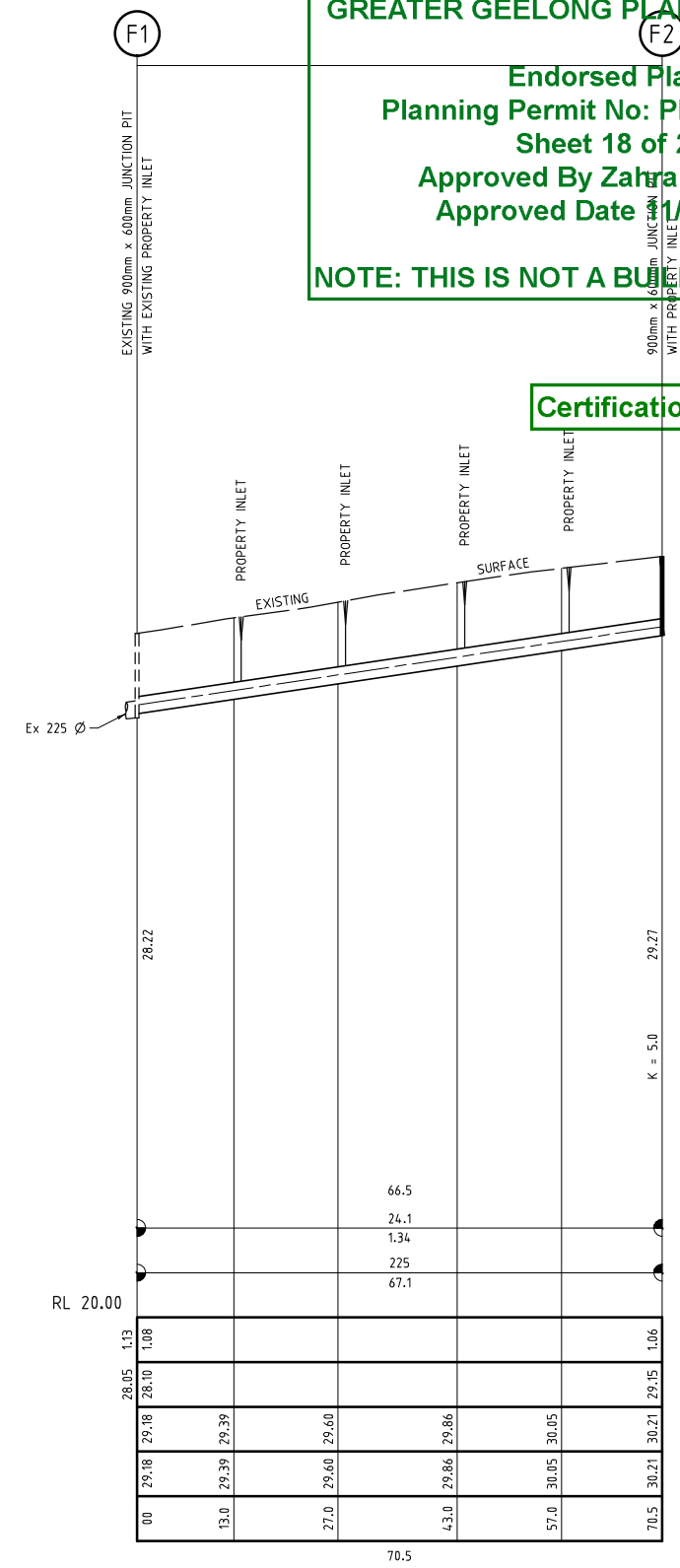
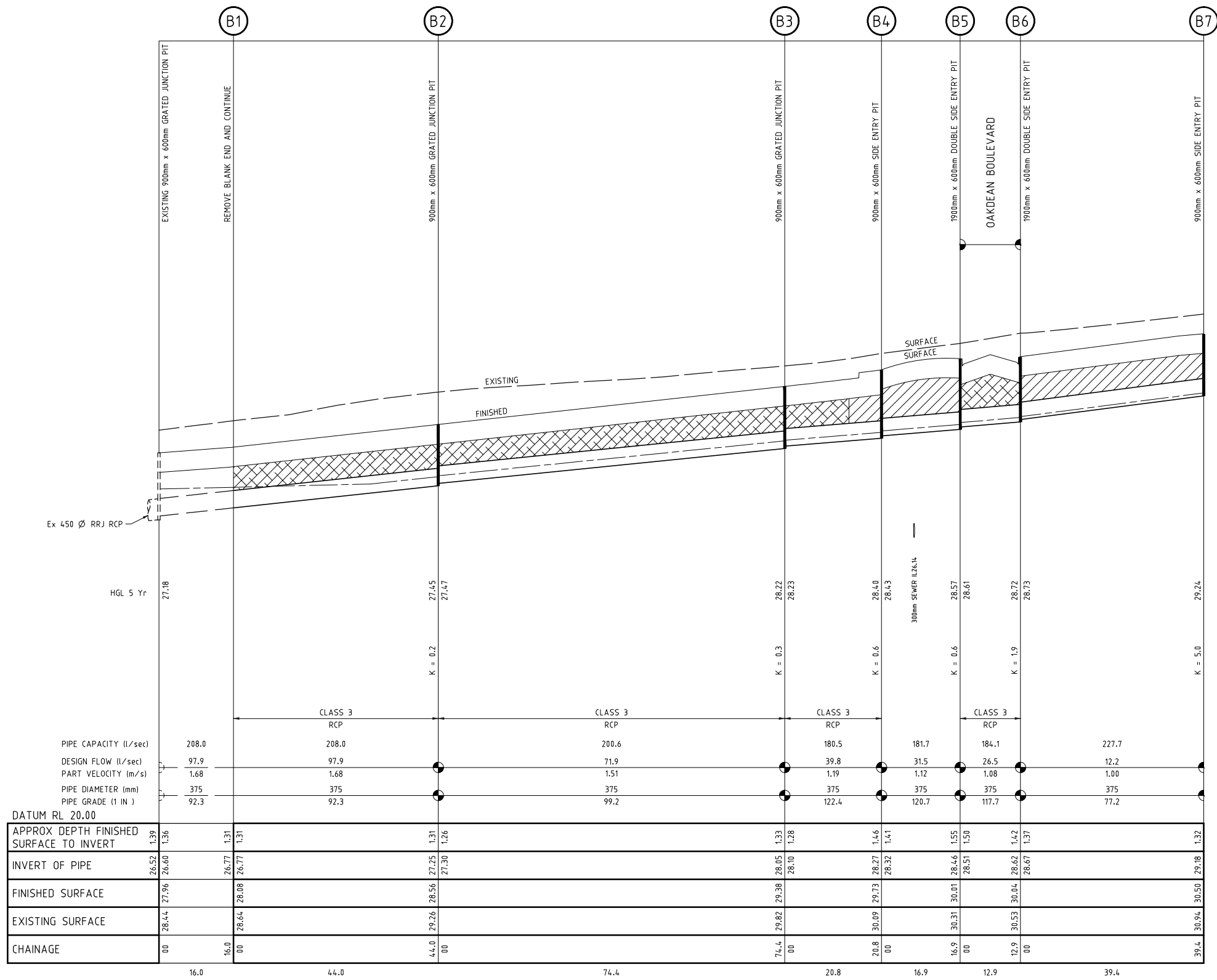


NOTE
 ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

AMENDMENTS 27.04.22 VERSION B		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 5 MUNICIPALITY GREATER GEELONG REFERENCE 1503 E/5 SHEET 17 OF 27	
DATE DESCRIPTION 1:500 10 5 0 10 20 30 METRES 1:50 1 0.5 0 1 2 3		SCALE AS SHOWN DATUM AHD DATE AUG '21			

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



PLANNING PERMIT No 1263/2011

DRAINAGE

LONGITUDINAL

SECTIONS

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

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.

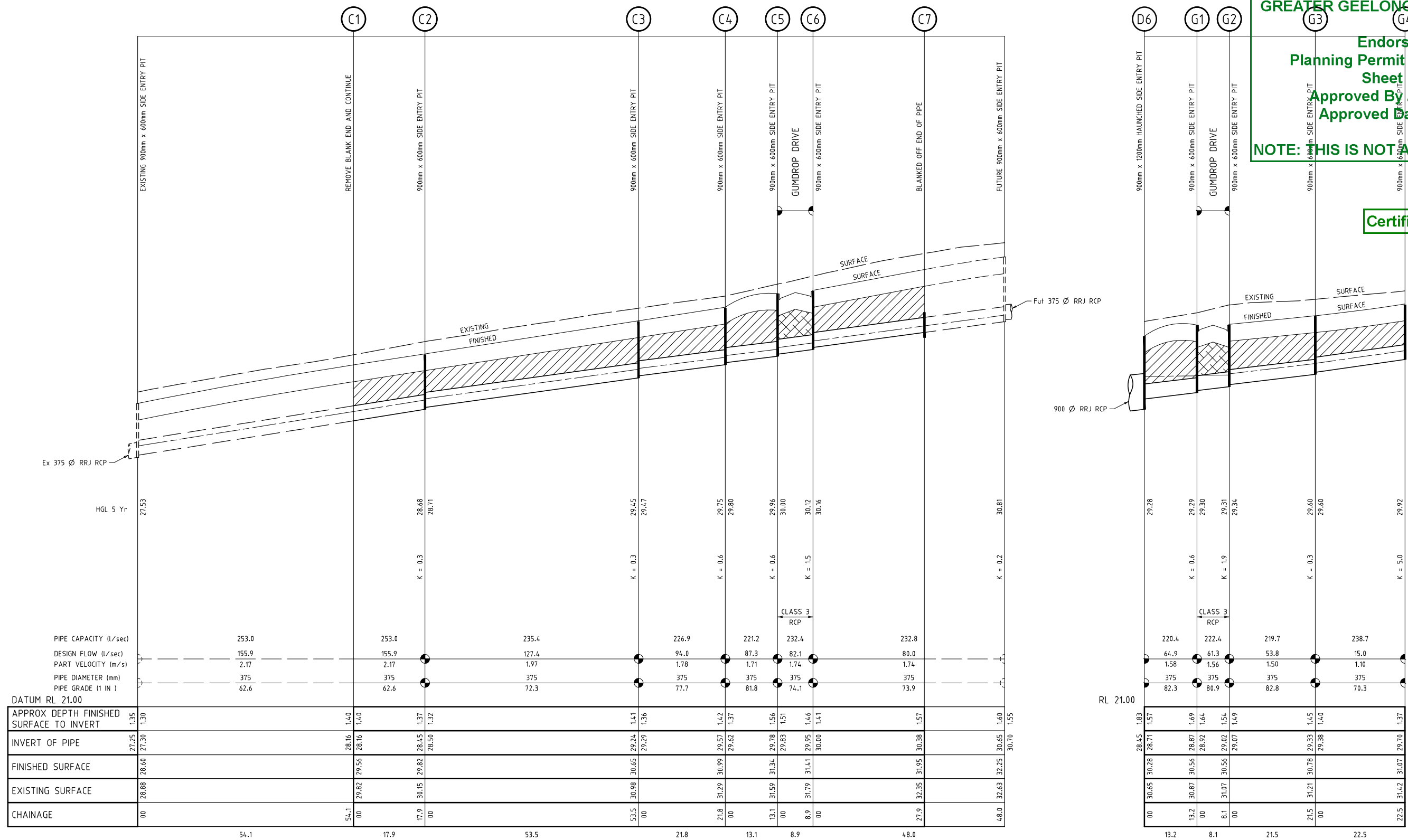
NOTE
 ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

AMENDMENTS 27.04.22 VERSION B		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
DATE 27.04.22		MELWAY REF. KINGSTON COAST ESTATE STAGE 5	
DESCRIPTION 1:500 10 5 0 10 20 30 METRES 1:50 1 0.5 0 1 2 3		DESIGNED P.J.B. DRAWN C.S. CHECKED	
DATE 27.04.22		MUNICIPALITY GREATER GEELONG	
SCALE AS SHOWN		REFERENCE 1503 E/5	
DATUM AHD		SHEET 18 OF 27	
DATE AUG '21		SHEET 18 OF 27	

Endorsed Plan
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 Sheet 19 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

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Certification No: 15140



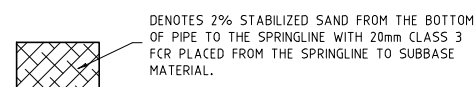
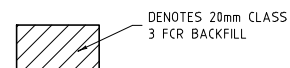
PLANNING PERMIT No 1263/2011

DRAINAGE

LONGITUDINAL

SECTIONS

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



NOTE

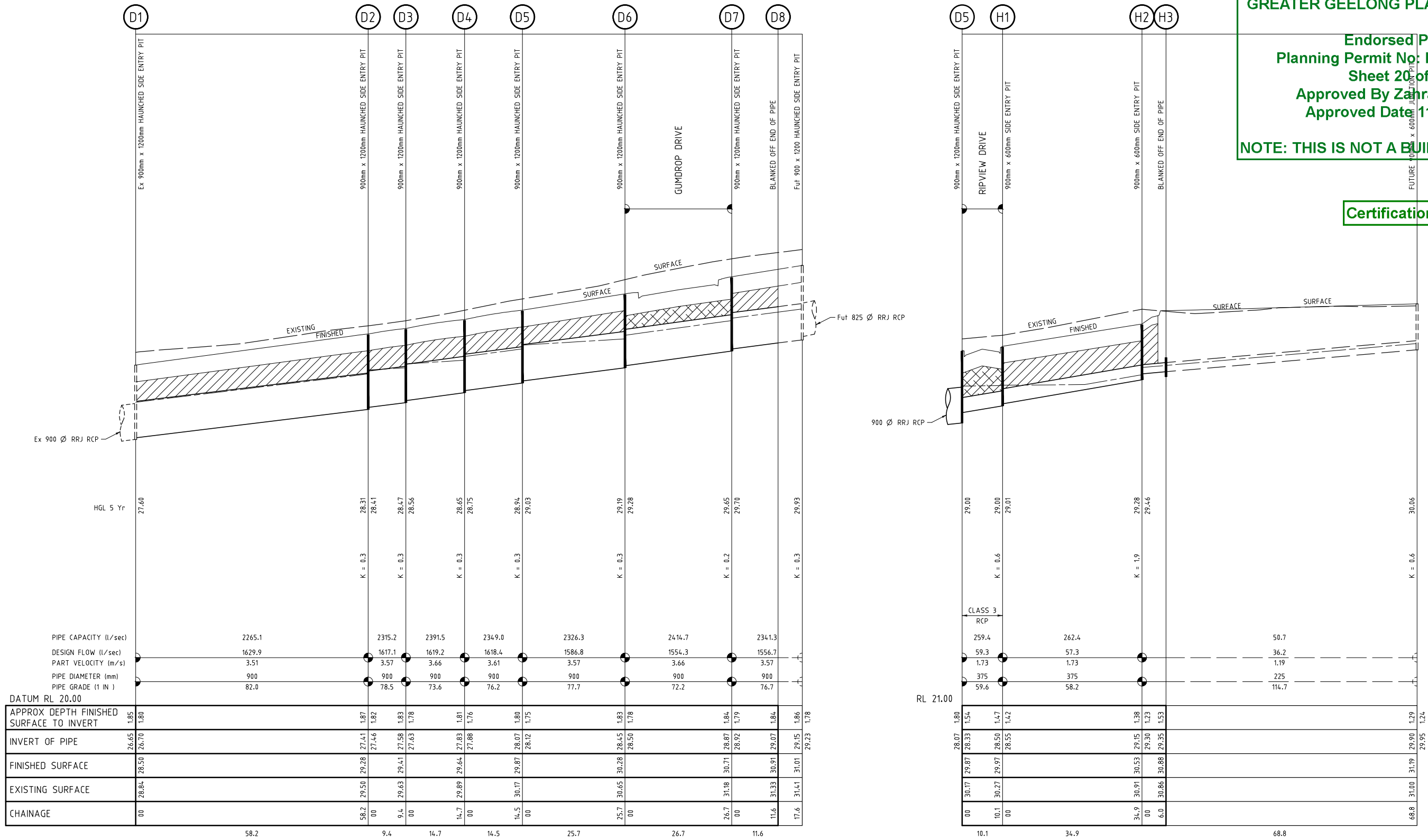
ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
27.04.22	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5		MUNICIPALITY GREATER GEELONG
DATE	DESCRIPTION	DESIGNED	SCALE AS SHOWN		REFERENCE 1503 E/5
1:500	10 5 0 10 20 30 METRES	P.J.B	DATUM	AHD	SHEET 19 OF 27
1:50	1 0.5 0 1 2 3	C.S.	DATE	AUG '21	
CHECKED					

Endorsed Plan
 Planning Permit No: PP-1263-2011
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 Approved By Zahra Ghofrani
 Approved Date: 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



	D1	D2	D3	D4	D5	D6	D7	D8	
PIPE CAPACITY (l/sec)	2265.1	2315.2	2391.5	2349.0	2326.3	2414.7	2341.3		
DESIGN FLOW (l/sec)	1629.9	1617.1	1619.2	1618.4	1586.8	1554.3	1556.7		
PART VELOCITY (m/s)	3.51	3.57	3.66	3.61	3.57	3.66	3.57		
PIPE DIAMETER (mm)	900	900	900	900	900	900	900		
PIPE GRADE (1 IN)	82.0	78.5	73.6	76.2	77.7	72.2	76.7		
DATUM RL 20.00									
APPROX DEPTH FINISHED SURFACE TO INVERT	26.65 1.85 26.70 1.80	27.41 1.87 27.46 1.82	27.58 1.83 27.63 1.78	27.83 1.81 27.88 1.76	28.07 1.80 28.12 1.75	28.45 1.83 28.50 1.78	28.87 1.84 28.92 1.79	29.07 1.84 29.15 1.86	29.23 1.78
INVERT OF PIPE	26.65 26.70	27.41 27.46	27.58 27.63	27.83 27.88	28.07 28.12	28.45 28.50	28.87 28.92	29.07 29.15	29.23
FINISHED SURFACE	28.50	29.28	29.41	29.64	29.87	30.28	30.71	30.91	31.01
EXISTING SURFACE	28.84	29.50	29.63	29.89	30.17	30.65	31.18	31.33	31.41
CHAINAGE	00	58.2	9.4	14.7	14.5	25.7	26.7	11.6	17.6

	D5	H1	H2	H3
CLASS 3 RCP	259.4	262.4	50.7	
DESIGN FLOW (l/sec)	59.3	57.3	36.2	
PART VELOCITY (m/s)	1.73	1.73	1.19	
PIPE DIAMETER (mm)	375	375	225	
PIPE GRADE (1 IN)	59.6	58.2	114.7	
DATUM RL 21.00				
APPROX DEPTH FINISHED SURFACE TO INVERT	28.07 1.80 28.33 1.54	28.50 1.47 28.55 1.42	29.15 1.38 29.30 1.23	29.90 1.29 29.95 1.24
INVERT OF PIPE	28.07 28.33	28.50 28.55	29.15 29.30	29.90 29.95
FINISHED SURFACE	29.87	29.97	30.53	31.19
EXISTING SURFACE	30.17	30.27	30.91	31.00
CHAINAGE	00	10.1	34.9	68.8

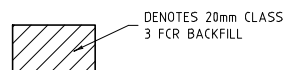
PLANNING PERMIT No 1263/2011

DRAINAGE

LONGITUDINAL

SECTIONS

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



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.

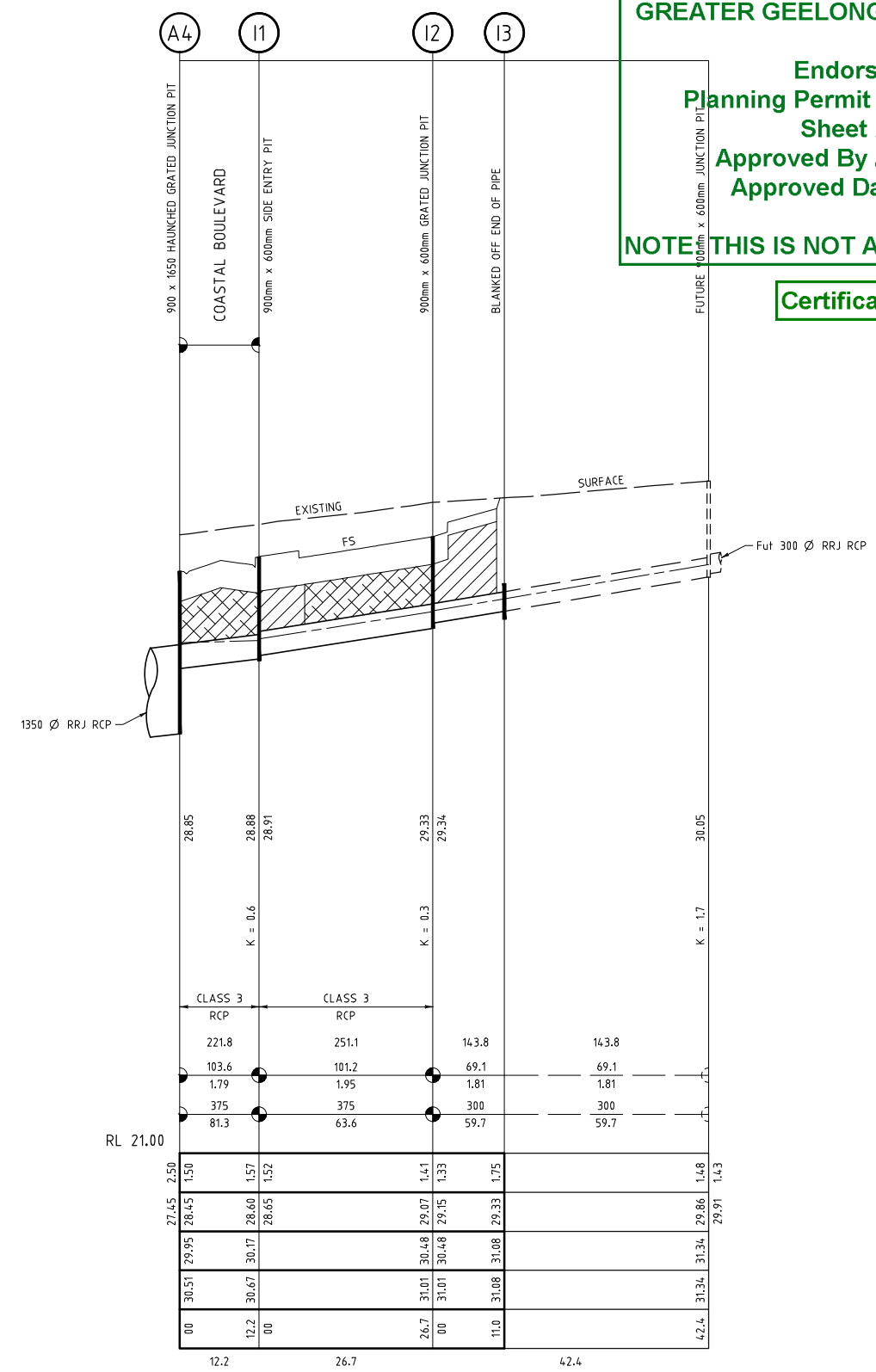
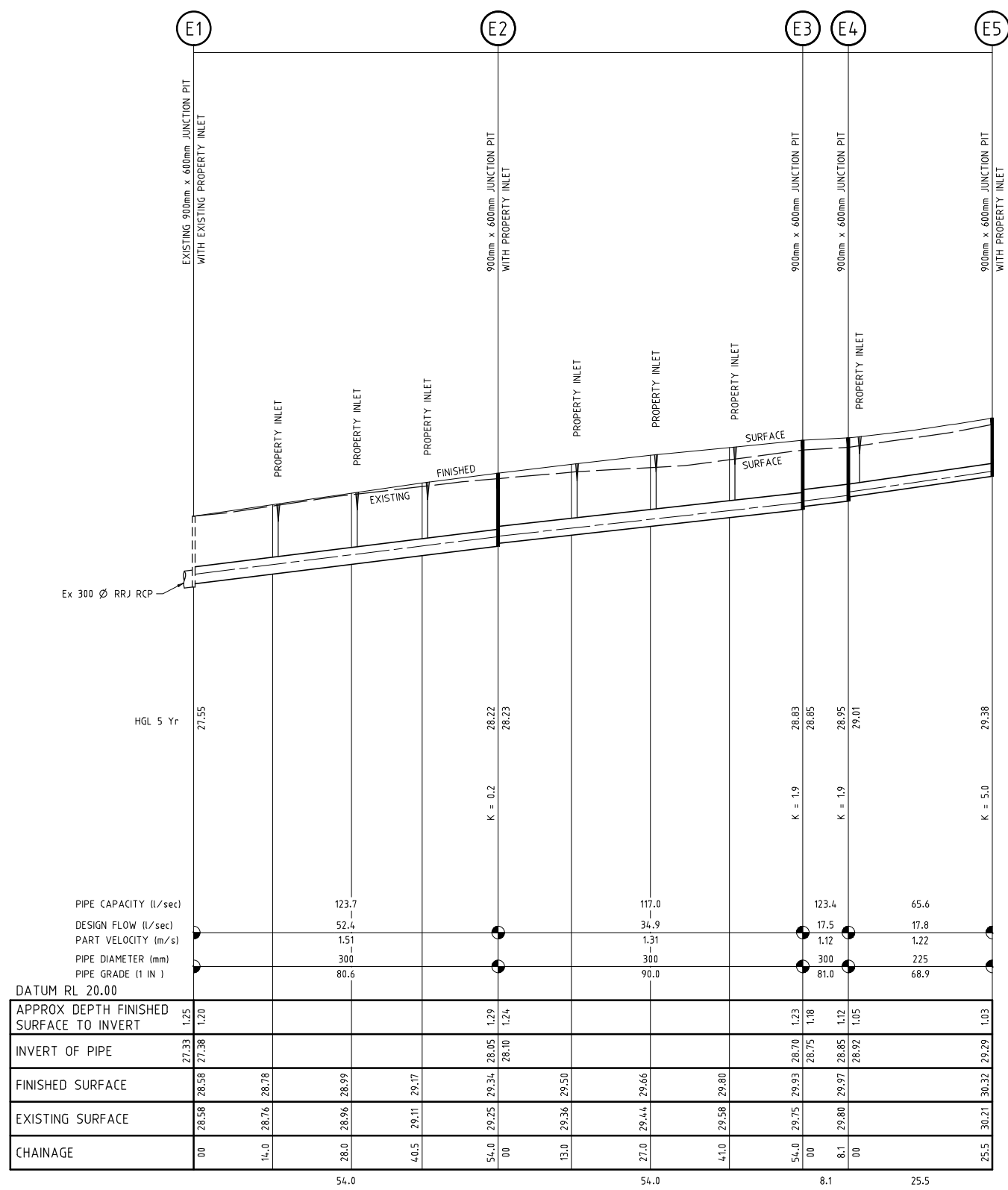
NOTE

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

AMENDMENTS 27.04.22 VERSION B		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
DATE 27.04.22	DESCRIPTION VERSION B	MELWAY REF. SURVEYED DESIGNED P.J.B. DRAWN C.S. CHECKED	KINGSTON COAST ESTATE STAGE 5 SCALE AS SHOWN DATUM AHD DATE AUG '21
1 : 500 0 5 10 20 30 METRES 1 : 50 0 0.5 1 2 3 METRES		MUNICIPALITY GREATER GEELONG	REFERENCE 1503 E/5 SHEET 20 OF 27

NOTE THIS IS NOT A BUILDING APPROVAL

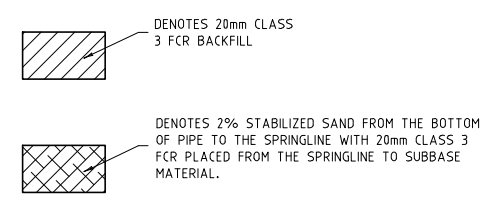
Certification No: 15140



PLANNING PERMIT No 1263/2011

DRAINAGE LONGITUDINAL SECTIONS

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



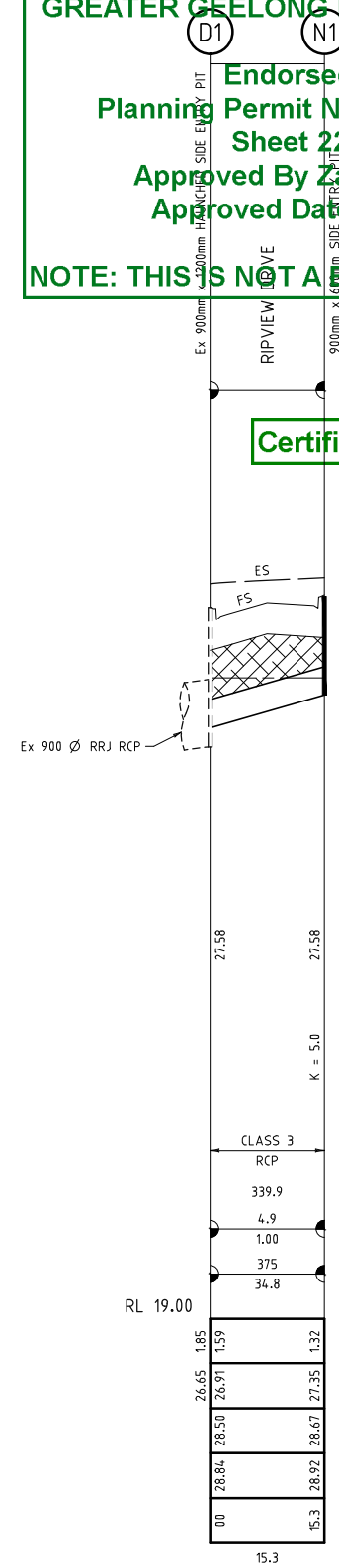
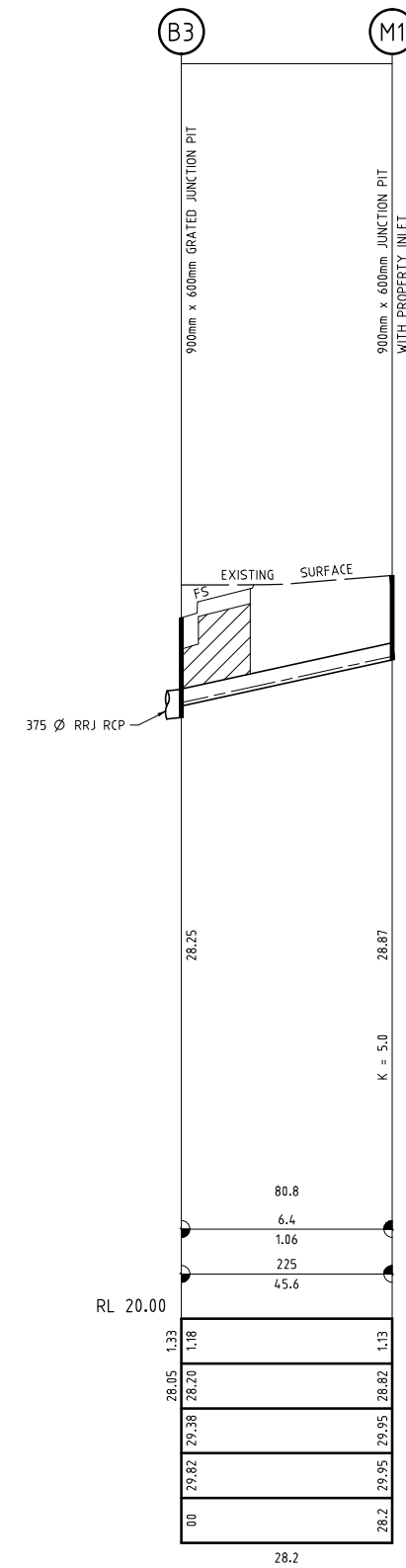
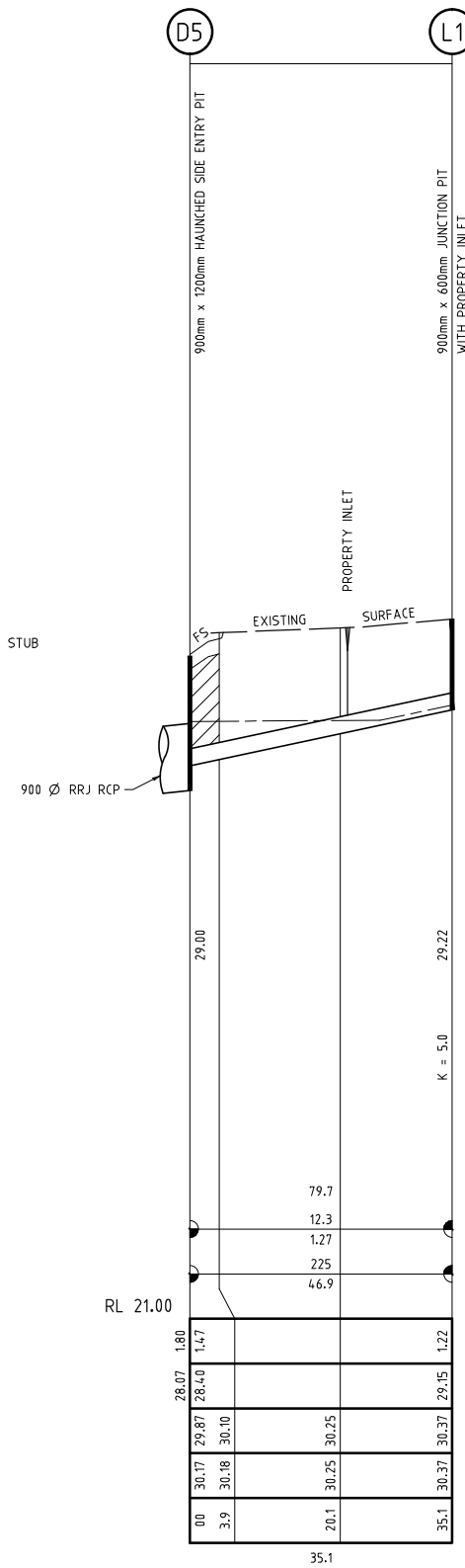
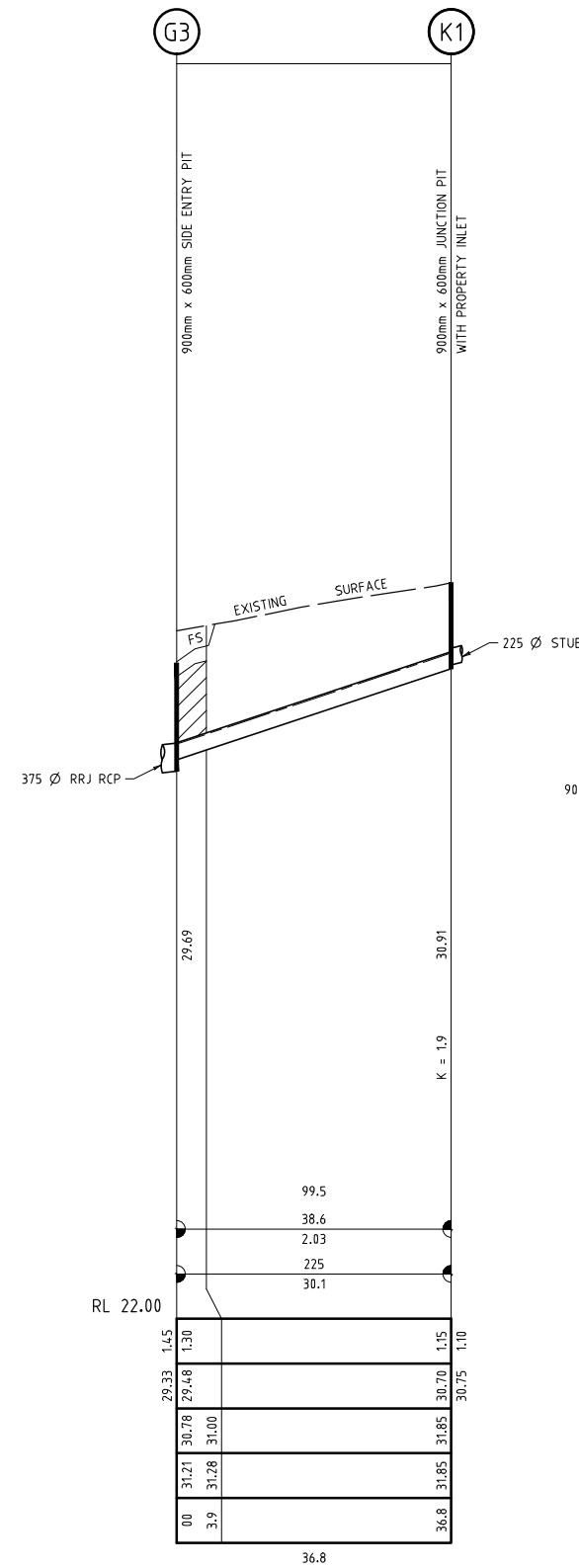
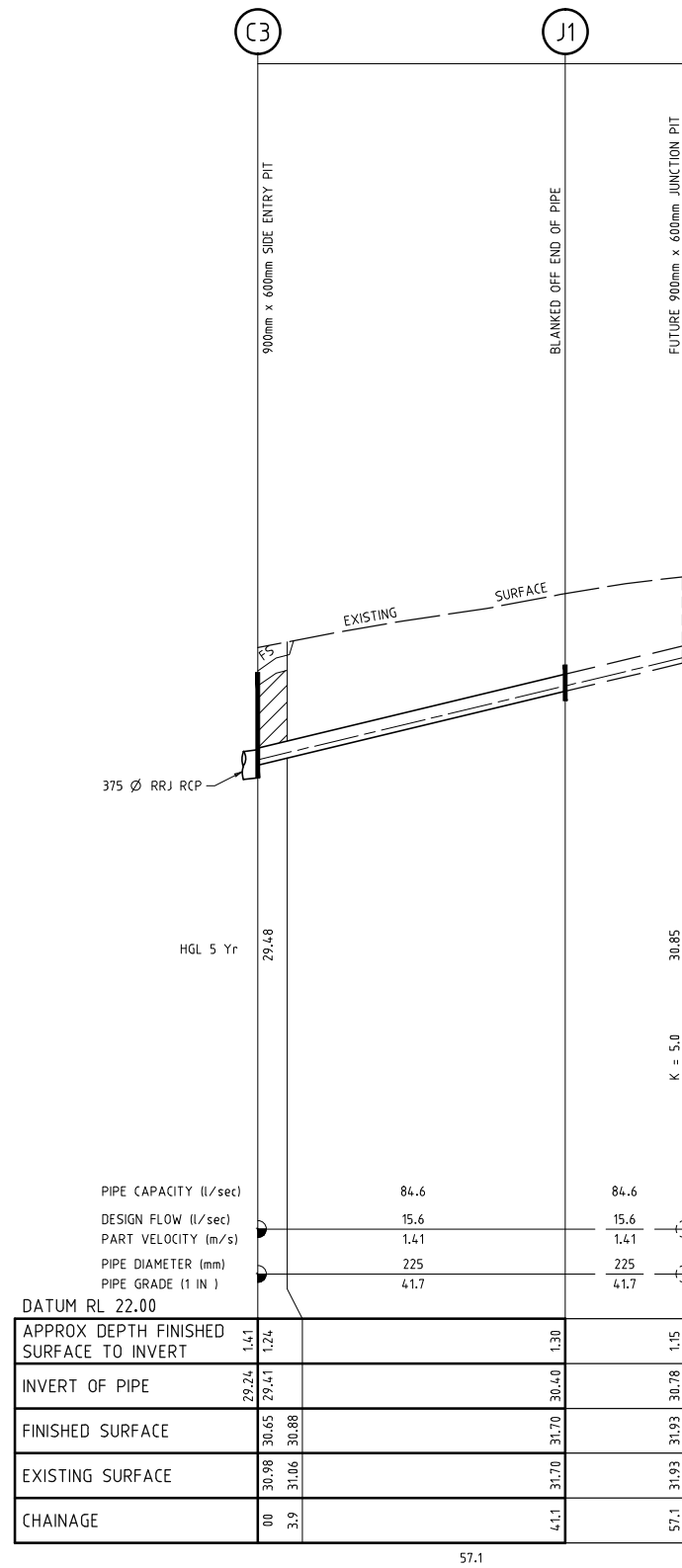
NOTE
 ALL SUMPS IN PRECAST PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE.

Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
AMENDMENTS 27.04.22 VERSION B		MUNICIPALITY GREATER GEELONG	
DATE DESCRIPTION 27.04.22 VERSION B		REFERENCE 1503 E/5	
SCALE AS SHOWN DATUM AHD DATE AUG '21		SHEET 21 OF 27	

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 22 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



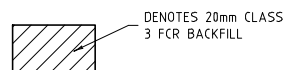
PLANNING PERMIT No 1263/2011

DRAINAGE

LONGITUDINAL

SECTIONS

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



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.

NOTE

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

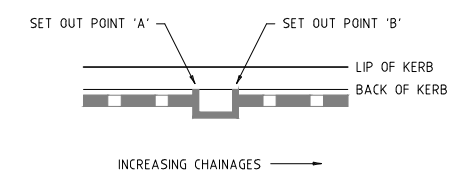
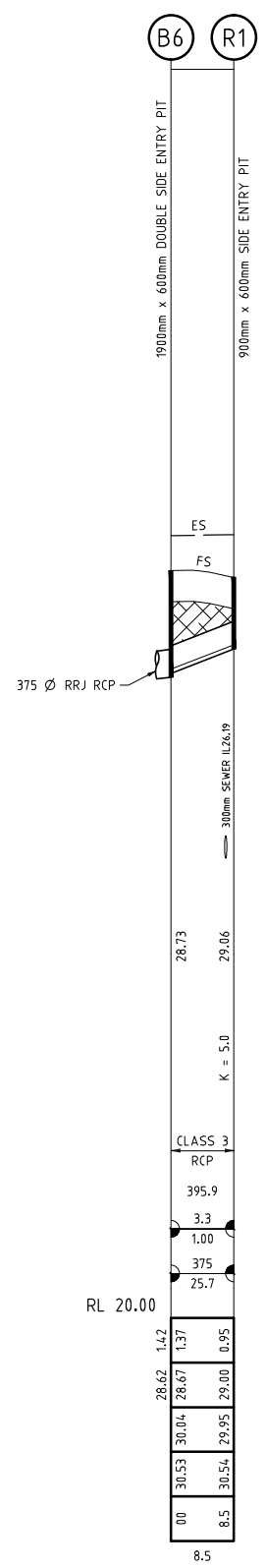
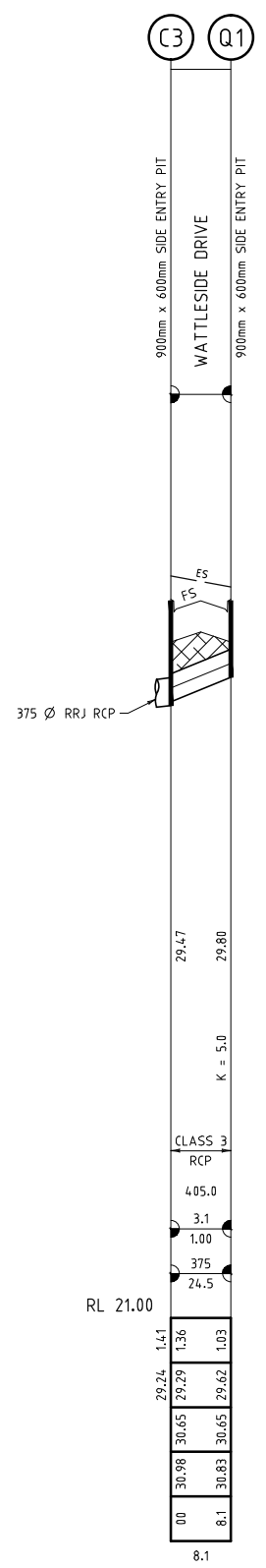
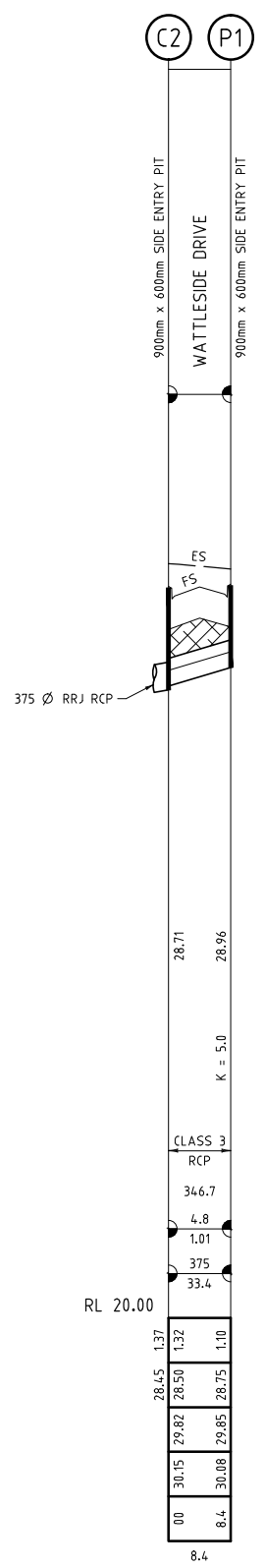
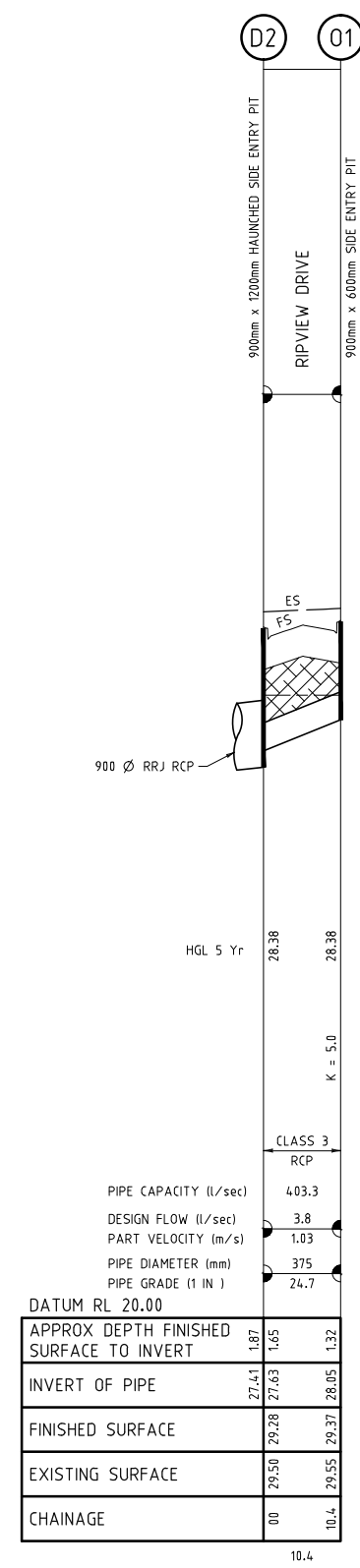
AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
27.04.22	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5		MUNICIPALITY GREATER GEELONG
DATE	DESCRIPTION	SURVEYED	REFERENCE 1503 E/5		SHEET 22 OF 27
DESIGNED	P.J.B	DRAWN	SCALE AS SHOWN		DATUM AHD
1 : 500	1 : 50	C.S.	DATE		AUG '21
CHECKED		DATE			

Certification No: 15140

PIT SETOUT SCHEDULE

PIT No	POINT 'A' E	POINT 'A' N	POINT 'B' E	POINT 'B' N
A2	2366.71	811.64	2367.47	811.15
A3	2312.83	846.17	2313.58	845.68
A4	2249.68	886.63	2250.43	886.15
A5	2212.74	909.82	2213.5	909.34
A6	2204.41	915.03	2204.92	914.72
B2	2345.08	814.94	2345.83	814.45
B3	2282.42	855.09	2283.17	854.60
B4	2265.22	866.82	2265.97	866.33
B5	2247.91	860.99	2249.27	862.31
B6	2237.41	867.54	2238.78	868.86
B7	2209.83	840.88	2210.48	841.50
C2	2460.66	950.86	2461.42	950.37
C3	2415.64	979.70	2416.40	979.22
C4	2397.32	991.44	2398.08	990.96
C5	2394.49	1003.99	2394.97	1004.75
C6	2390.06	1011.06	2390.54	1011.83
EP	2404.82	1035.30	C/L	PIPE
D2	2376.45	905.19	2377.18	904.67
D3	2369.13	911.17	2369.79	910.56
D4	2359.22	922.12	2359.76	921.41
D5	2351.59	934.50	2352.00	933.70
D6	2339.77	957.26	2340.18	956.46
D7	2327.46	980.95	2327.88	980.16
G1	2343.67	969.60	2344.47	970.01
G2	2340.21	976.25	2341.01	976.67
G3	2359.33	986.18	2360.12	986.60
G4	2379.28	996.63	2380.02	997.14
H1	2342.13	936.43	2342.55	935.63
H2	2326.04	967.41	2326.45	966.61
I1	2238.09	884.20	2238.84	883.70
I2	2215.60	898.61	2216.35	898.13
N1	2410.46	874.35	2411.22	873.86
O1	2366.73	903.28	2367.42	902.70
P1	2454.88	945.65	2455.64	945.16
Q1	2411.59	973.38	2412.35	972.90
R1	2242.59	875.74	2242.61	876.64

NOTE: THIS IS NOT A BUILDING APPROVAL



PLANNING PERMIT No 1263/2011

DRAINAGE LONGITUDINAL SECTIONS

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

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

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

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MUNICIPALITY	GREATER GEELONG	
	27.04.22		VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5
	DATE		DESCRIPTION	SURVEYED	REFERENCE
	DESIGNED		P.J.B	DRAWN	C.S.
A1	1:500 10 5 0 10 20 30 METRES	1:50 1 0.5 0 1 2 3	CHECKED	SCALE AS SHOWN DATUM AHD DATE AUG '21 SHEET 23 OF 27	

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 24 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140

PIT SCHEDULE

PIT No.	PIT TYPE	LENGTH	WIDTH	INLET	PIPE Ø	OUTLET	PIPE Ø	FINISHED SURFACE R.L.	PIT DEPTH	PIT TYPE
		mm	mm	L.L.	mm	L.L.	mm	m	m	
A1	EXISTING END OF PIPE	-	-	25.88	1350	25.88	1350	28.09	2.21	-
A2	HAUNCHED GRATED JUNCTION PIT	900	1650	26.08	1350	26.03	1350	28.35	2.32	SD 410, 455
A3	HAUNCHED GRATED JUNCTION PIT	900	1650	26.55	1350	26.50	1350	29.06	2.56	SD 410, 455
A4	HAUNCHED GRATED JUNCTION PIT	900	1650	27.50	1350	27.45	1350	29.95	2.50	SD 410, 455
				28.45	375					
A5	HAUNCHED JUNCTION PIT (FUT SEP)	900	1650	28.20	1350	28.15	1350	30.75	2.60	SD 410, 420, 430
A6	GRATED JUNCTION PIT	600	1800	-	-	28.36	1350	30.77	2.41	SD 405, 455
B1	EXISTING END OF PIPE	-	-	26.77	375	26.77	375	28.08	1.31	-
B2	GRATED JUNCTION PIT	900	600	27.30	375	27.25	375	28.56	1.31	SD 405, 455
B3	GRATED JUNCTION PIT	900	600	28.10	375	28.05	375	29.38	1.33	SD 405, 455
				28.20	225					
B4	SIDE ENTRY PIT	900	600	28.32	375	28.27	375	29.73	1.46	SD 405, 430
B5	DOUBLE SIDE ENTRY PIT	1900	600	28.51	375	28.46	375	30.01	1.55	SD 405, 445
B6	DOUBLE SIDE ENTRY PIT	1900	600	28.67	375	28.62	375	30.04	1.42	SD 405, 445
				28.67	375					
B7	SIDE ENTRY PIT	900	600	-	-	29.18	375	30.50	1.32	SD 405, 430
C1	EXISTING END OF PIPE	-	-	28.16	375	28.16	375	29.56	1.40	-
C2	SIDE ENTRY PIT	900	600	28.50	375	28.45	375	29.82	1.37	SD 405, 430
				28.50	375					
C3	SIDE ENTRY PIT	900	600	29.29	375	29.24	375	30.65	1.41	SD 405, 430
				29.29	375					
				29.41	225					
C4	SIDE ENTRY PIT	900	600	29.62	375	29.57	375	30.99	1.42	SD 405, 430
C5	SIDE ENTRY PIT	900	600	29.83	375	29.78	375	31.34	1.56	SD 405, 430
C6	SIDE ENTRY PIT	900	600	30.00	375	29.95	375	31.41	1.46	SD 405, 430
C7	BLANKED OFF END OF PIPE	-	-	-	-	30.38	375	31.95	1.57	-
* D1	EXISTING HAUNCHED SIDE ENTRY PIT	900	1200	26.70	900	26.65	900	28.50	1.85	SD 410, 430
				26.91	375					
D2	HAUNCHED SIDE ENTRY PIT	900	1200	27.46	900	27.41	900	29.28	1.87	SD 410, 430
				27.63	375					
D3	HAUNCHED SIDE ENTRY PIT	900	1200	27.63	900	27.58	900	29.41	1.83	SD 410, 430
D4	HAUNCHED SIDE ENTRY PIT	900	1200	27.88	900	27.83	900	29.64	1.81	SD 410, 430
D5	HAUNCHED SIDE ENTRY PIT	900	1200	28.12	900	28.07	900	29.87	1.80	SD 410, 430
				28.33	375					
				28.40	225					
D6	HAUNCHED SIDE ENTRY PIT	900	1200	28.50	900	28.45	900	30.28	1.83	SD 410, 430
				28.71	375					
D7	HAUNCHED SIDE ENTRY PIT	900	1200	28.92	900	28.87	900	30.71	1.84	SD 410, 430
D8	BLANKED OFF END OF PIPE	-	-	-	-	29.07	900	30.91	1.84	-

PIT SCHEDULE

PIT No.	PIT TYPE	LENGTH	WIDTH	INLET	PIPE Ø	OUTLET	PIPE Ø	FINISHED SURFACE R.L.	PIT DEPTH	PIT TYPE
		mm	mm	L.L.	mm	L.L.	mm	m	m	
E1	EXISTING JUNCTION PIT	900	600	27.38	300	27.33	300	28.58	1.25	SD 405, 425
E2	JUNCTION PIT	900	600	28.10	300	28.05	300	29.34	1.29	SD 405, 425
E3	JUNCTION PIT	900	600	28.75	300	28.70	300	29.93	1.23	SD 405, 425
E4	JUNCTION PIT	900	600	28.92	225	28.85	300	29.97	1.12	SD 405, 425
E5	JUNCTION PIT	900	600	-	-	29.29	225	30.32	1.03	SD 405, 425
F1	EXISTING JUNCTION PIT	900	600	28.10	225	28.05	225	29.18	1.13	SD 405, 425
F2	JUNCTION PIT	900	600	-	-	29.15	225	30.21	1.06	SD 405, 425
G1	SIDE ENTRY PIT	900	600	28.92	375	28.87	375	30.56	1.69	SD 405, 430
G2	SIDE ENTRY PIT	900	600	29.07	375	29.02	375	30.56	1.54	SD 405, 430
G3	SIDE ENTRY PIT	900	600	29.38	375	29.33	375	30.78	1.45	SD 405, 430
				29.48	225					
G4	SIDE ENTRY PIT	900	600	-	-	29.70	375	31.07	1.37	SD 405, 430
H1	SIDE ENTRY PIT	900	600	28.55	375	28.50	375	29.97	1.47	SD 405, 430
H2	SIDE ENTRY PIT	900	600	29.30	225	29.15	375	30.53	1.38	SD 405, 430
H3	BLANKED OFF END OF PIPE	-	-	-	-	29.35	225	30.88	1.53	-
I1	SIDE ENTRY PIT	900	600	28.65	375	28.60	375	30.17	1.57	SD 405, 430
I2	GRATED JUNCTION PIT	900	600	29.15	375	29.10	375	30.48	1.41	SD 405, 455
				29.15	300					
I3	BLANKED OFF END OF PIPE	-	-	-	-	29.33	300	31.08	1.75	-
J1	BLANKED OFF END OF PIPE	-	-	-	-	30.40	225	31.70	1.30	-
K1	JUNCTION PIT	900	600	30.75	225	30.70	225	31.85	1.15	SD 405, 425
L1	JUNCTION PIT	900	600	-	-	29.15	225	30.37	1.22	SD 405, 425
M1	JUNCTION PIT	900	600	-	-	28.82	225	29.95	1.13	SD 405, 425
N1	SIDE ENTRY PIT	900	600	-	-	27.35	375	28.67	1.32	SD 405, 430
O1	SIDE ENTRY PIT	900	600	-	-	28.05	375	29.37	1.32	SD 405, 430
P1	SIDE ENTRY PIT	900	600	-	-	28.75	375	29.85	1.10	SD 405, 430
Q1	SIDE ENTRY PIT	900	600	-	-	29.62	375	30.65	1.03	SD 405, 430
R1	SIDE ENTRY PIT	900	600	-	-	29.00	375	29.95	0.95	SD 405, 430

NOTE: PIT DENOTED THUS "*" IS TO BE CONVERTED TO A SIDE ENTRY PIT WITH APPROPRIATE COVER.

PLANNING PERMIT No 1263/2011



AMENDMENTS				Peter Berry & Associates Pty. Ltd.		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
				Civil Engineers		MUNICIPALITY GREATER GEELONG	
	A1	27.04.22	VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5		REFERENCE 1503 E/5
			SURVEYED	SHEET 24 OF 27			
			DESIGNED P.J.B.	SCALE AS SHOWN			DATUM AHD
				DRAWN C.S.			
				CHECKED			

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 25 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140

NOTE

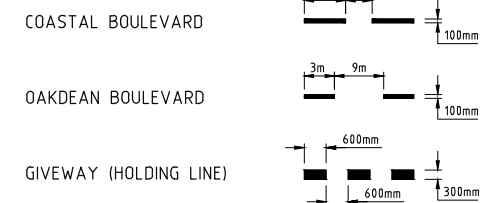
- A) ALL SIGNS AND LINEMARKING ARE TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS AND MARKINGS.
- B) LOCATION OF STREET SIGNS ARE TO BE APPROVED BY THE COGG TRAFFIC ENGINEERING UNIT.
- C) ALL SIGN POSTS ARE TO BE SLEEVED IN ACCORDANCE WITH COGG STANDARD DRAWING (SD CGG710).
- D) ALL STREET SIGNS ARE TO BE G5 SERIES TYPE.
- E) ALL LINEMARKING TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

DETAIL PLAN
 SCALE (A1) 1 : 250



SEE SHEET 26 FOR DETAILS

LINEMARKING



NOTE: LINEMARKING TO EXTEND DOWN TO THE EXISTING ROUNDABOUT

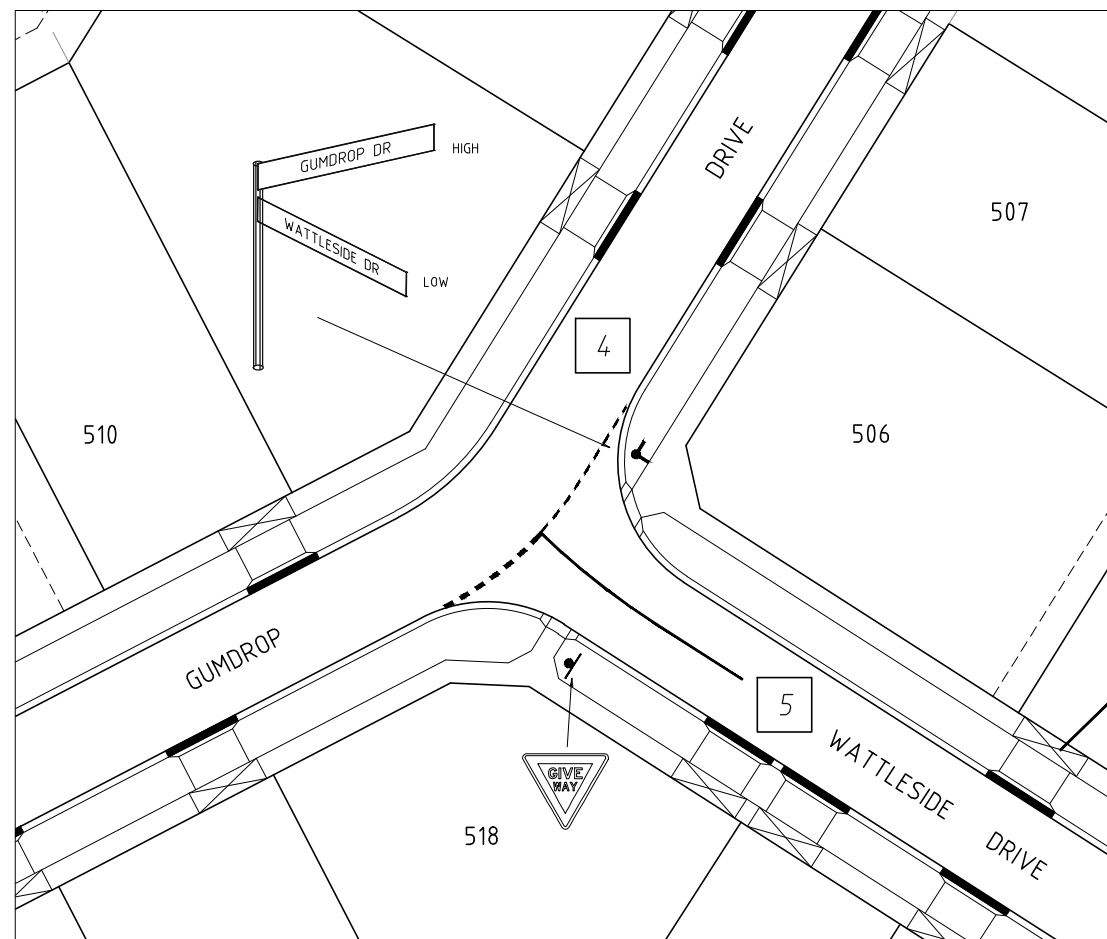
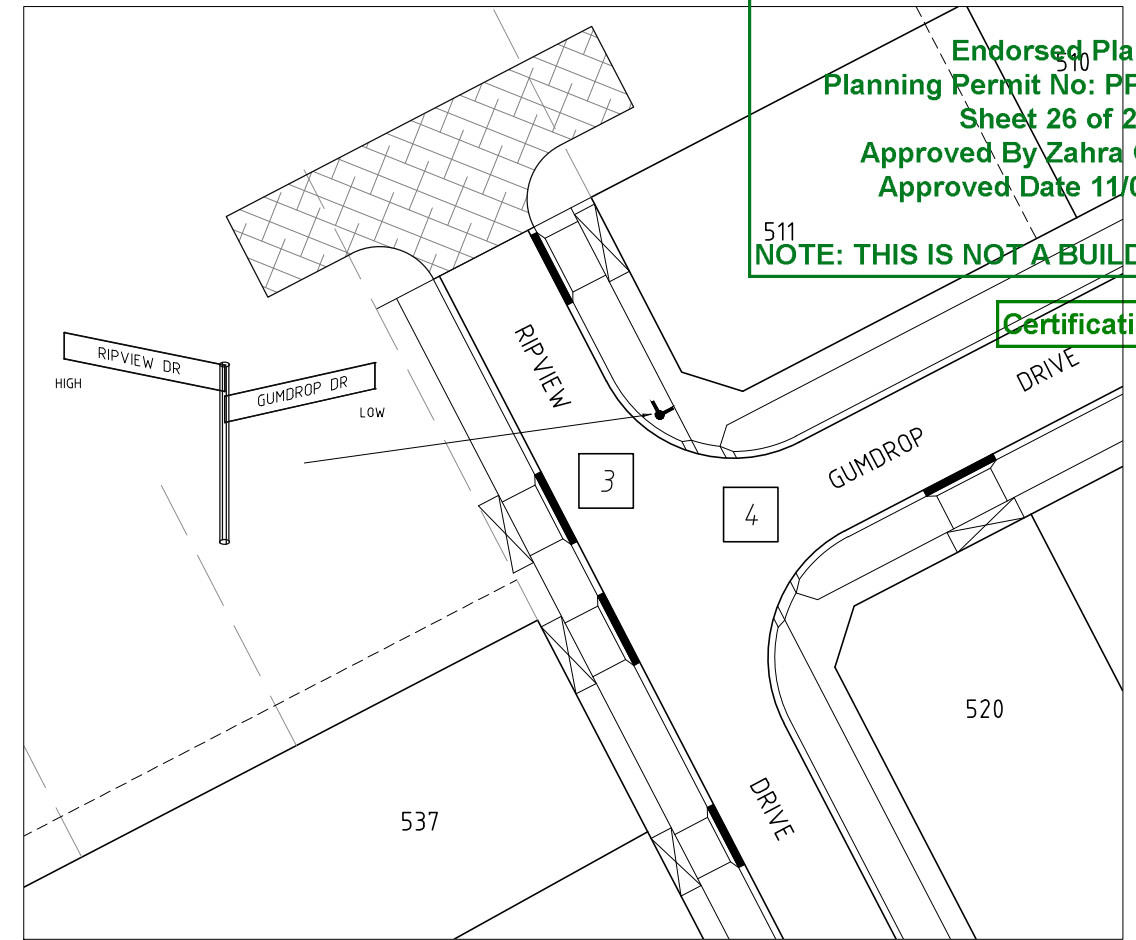
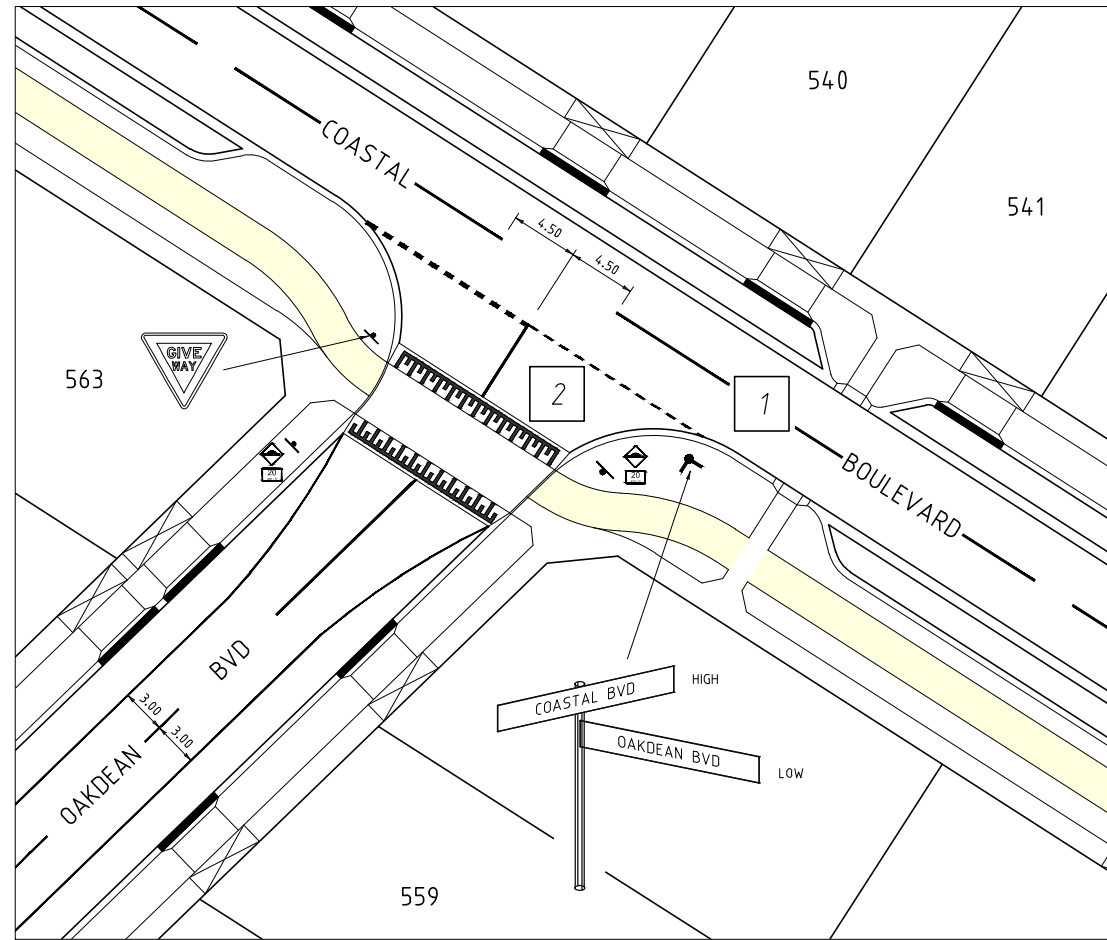
PLANNING PERMIT No 1263/2011

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	27.04.22		VERSION B	MELWAY REF.	KINGSTON COAST ESTATE STAGE 5
DATE	DESCRIPTION	DESIGNED	P.J.B	MUNICIPALITY	DREATER GEELONG
1: 250	5 2.5 0 5 10 15 METRES	DRAWN	C.S.	REFERENCE	1503 E/5
A1		CHECKED		SCALE AS SHOWN	DATUM AHD
				DATE	AUG '21
				SHEET	25 OF 27

Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 26 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 15140



DETAIL PLANS
 SCALE (A1) 1 : 250

PLANNING PERMIT No 1263/2011

SIGN LEGEND

1	COASTAL BVD	1 No	5	WATTLESIDE DR	1 No
2	OAKDEAN BVD	1 No		2 No (R1-2A)	
3	RIPVIEW DR	1 No		2 No (W5-10)	
4	GUMDROP DR	2 No		2 No (W8-2)	

NOTE

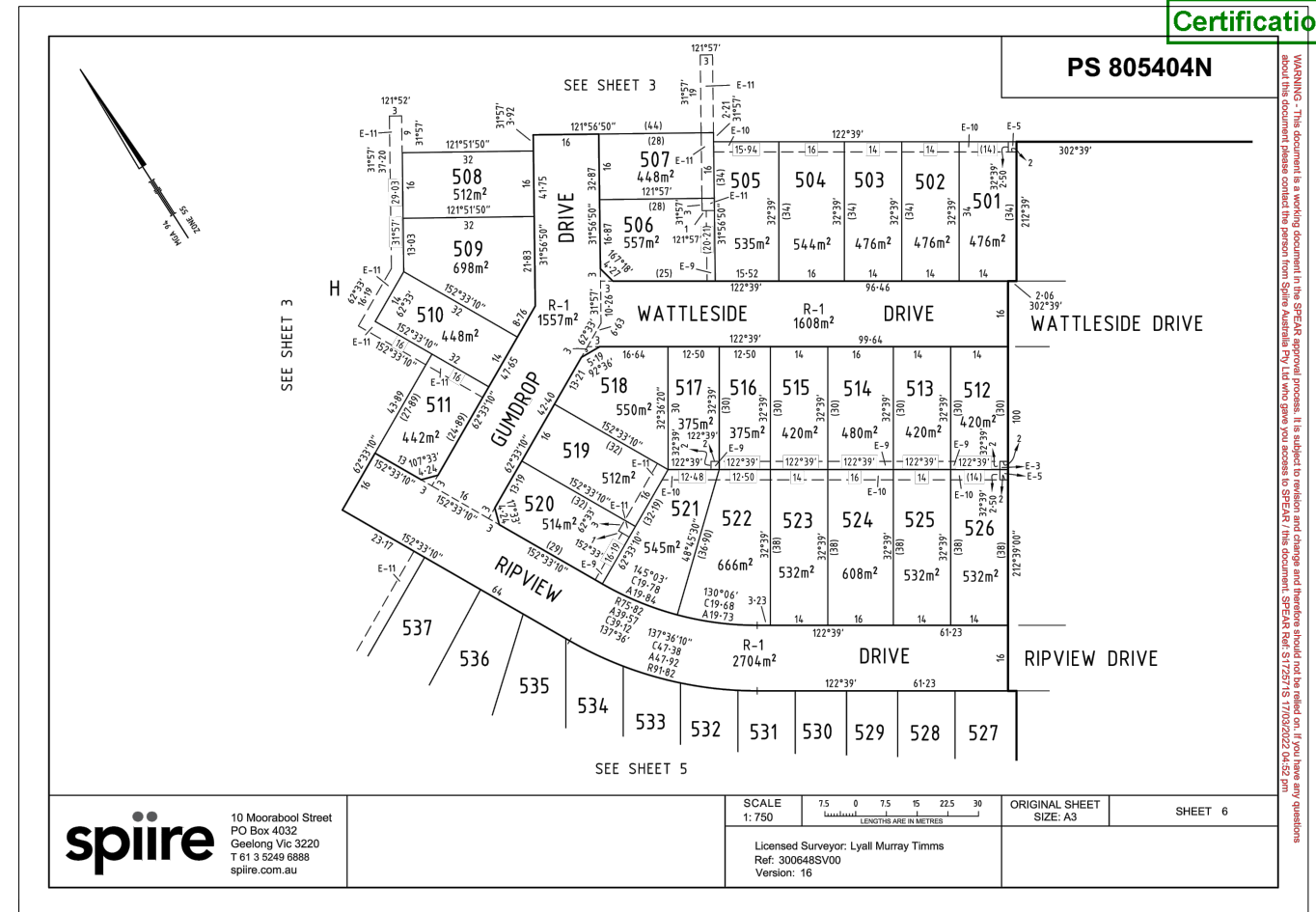
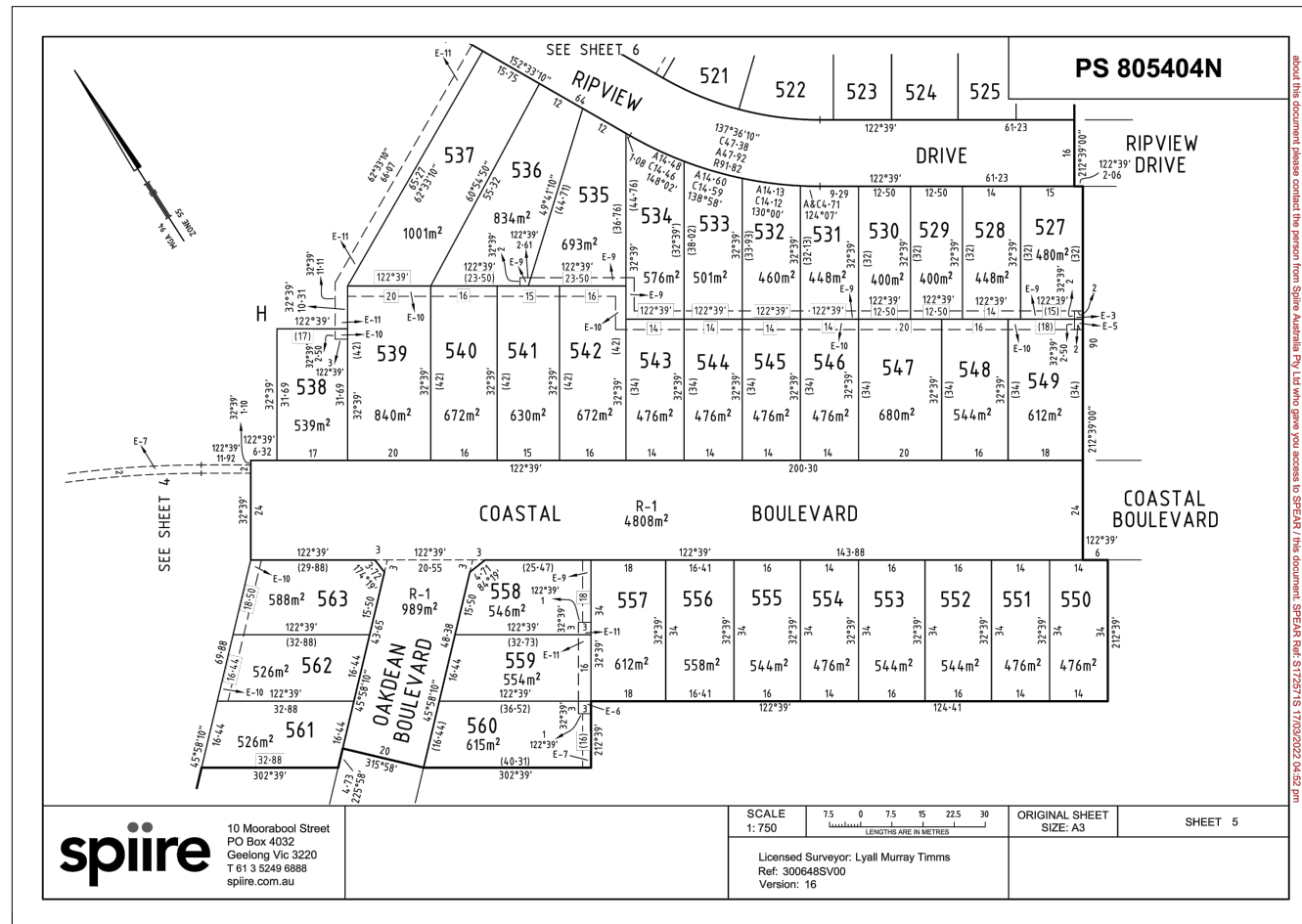
- A) ALL SIGNS AND LINEMARKING ARE TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2 - SIGNS AND MARKINGS.
- B) LOCATION OF STREET SIGNS ARE TO BE APPROVED BY THE COGG WORKS INSPECTOR.
- C) ALL SIGN POSTS ARE TO BE SLEEVED IN ACCORDANCE WITH COGG STANDARD DRAWING (SD CGG710).
- D) ALL STREET SIGNS ARE TO BE G5 SERIES TYPE.
- E) ALL LINEMARKING TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	KINGSTON COAST ESTATE STAGE 5 STREET SIGNS & LINEMARKING PLAN	MUNICIPALITY GREATER GEELONG REFERENCE 1503 E/5 SHEET 26 OF 27
	27.04.22			
A1	1 : 250	MELWAY REF. SURVEYED DESIGNED P.J.B DRAWN C.S. CHECKED	SCALE AS SHOWN DATUM AHD DATE AUG '21	

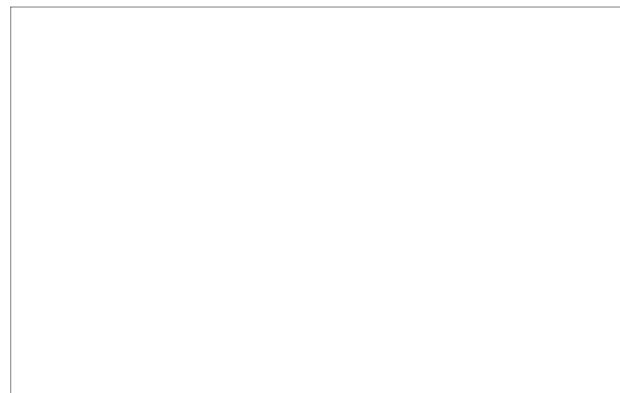
Endorsed Plan
 Planning Permit No: PP-1263-2011
 Sheet 27 of 27
 Approved By Zahra Ghofrani
 Approved Date 11/05/2022

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Certification No: 15140



PLANNING PERMIT No 1263/2011



AMENDMENTS			Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	MUNICIPALITY GREATER GEELONG REFERENCE 1503 E/5 SHEET 27 OF 27	
	27.04.22	VERSION B			MELWAY REF.
	DATE	DESCRIPTION			SURVEYED
					DESIGNED P.J.B.
A1			DRAWN C.S.	KINGSTON COAST ESTATE STAGE 5 PLAN OF SUBDIVISION SCALE AS SHOWN DATUM AHD DATE AUG '21	
			CHECKED		