

Kingston Haven Estate - Stage 3

Ocean Grove

NOTES:

- ALL WORKS IN THIS CONTRACT ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF GEELONG (COGG) STANDARD SPECIFICATIONS FOR ROADWORKS AND DRAINAGE (SEPTEMBER 1998) AND IS PROVIDED TO THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS.
- 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 GRASSSED BY HYDRO MULCHING, WATERED AND MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD.

GENERAL :



- THE CONTRACTOR SHALL:
 - GIVE COUNCIL THE FOLLOWING MINIMUM NOTIFICATION PERIODS -
 - FIVE (5) DAYS WRITTEN NOTICE OF INTENTION TO COMMENCE WORKS.
 - TWO (2) DAYS NOTICE TO INSPECT CONDITION OF EXISTING COUNCIL ASSETS.
 - TWENTY FOUR (24) HOURS NOTICE FOR WEEKEND WORK.
 - FORTY EIGHT (48) HOURS NOTICE FOR :
 - INSPECTION OF DRAINAGE WORKS,
 - INSPECTION OF SUB-SOIL DRAINS,
 - PROOF ROLL OF PREPARED SUB-GRADE OR CONSTRUCTED PAVEMENT,
 - INSPECTION OF PREPARED BASE FOR CONCRETE WORKS,
 - OTHER WORKS AS STATED IN THE DRAWINGS OR SPECIFIED OR AS OTHERWISE AGREED WITH COUNCIL OFFICERS.
 - 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 1.5m OR MORE IN DEPTH.
 - 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).

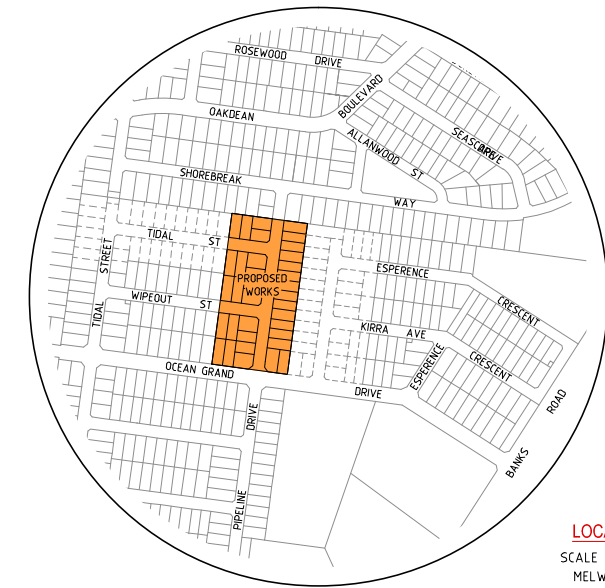
ROADWORKS :

- 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.
- FOOTPATHS ARE TO BE A MINIMUM OF 125mm THICK WITH SL72 REINFORCEMENT AND BEDDED ON A MINIMUM OF 100mm COMPACTED CLASS 3 FCR IN ACCORDANCE WITH IDM SD205, WITH A MINIMUM STRENGTH OF 32Mpa AS PER COGG DESIGN NOTE 12.
- 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 200 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 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS OTHERWISE SHOWN.
- 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 :

- ALL PIPE TYPES ARE TO BE INSTALLED AS PER MANUFACTURER'S GUIDELINES.
- PIPE DRAINAGE WITHIN ROAD RESERVES TO BE CLASS 2 RRJ RCP PIPES UNLESS OTHERWISE SHOWN.
- ALL STORMPRO 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.



LOCALITY PLAN
SCALE (A1) - 1 : 5,000
MELWAYS : 484G8

- PROPERTY INLET PITS ARE SHOWN THUS:  AND ARE TO BE 600mm DIAMETER RRJ RCP AND LOCATED AS SHOWN AND CONNECTED DIRECTLY TO THE DRAINAGE PIT 0.05m ABOVE THE OUTLET INVERT OF THE PIT AND LAID AT A GRADE OF 1 IN 100.
- LOTS DENOTED THUS: ⁷H ARE TO BE PROVIDED WITH A 600mm DIAMETER RRJ RC PIPE LOCATED AS SHOWN AND CONNECTED DIRECTLY TO DRAINAGE PITS AND PLACED 0.05m ABOVE THE OUTLET INVERT OF THE PIT AND LAID AT A GRADE OF 1 IN 100.
- 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 LOT TO BE SERVICED AND LEFT EXPOSED UNTIL INSPECTED BY COGG SUBDIVISIONS ENGINEER. WATER AND GAS CONDUITS ARE TO BE LOCATED CENTRALLY TO THE 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.

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

**Endorsed Plan
Planning Permit No: PP-1495-2018
Certification No: 16910
Sheet 1 of 14
Approved By Ryan White
Approved Date 26/03/2026**

NOTE: THIS IS NOT A BUILDING APPROVAL

SHEET INDEX

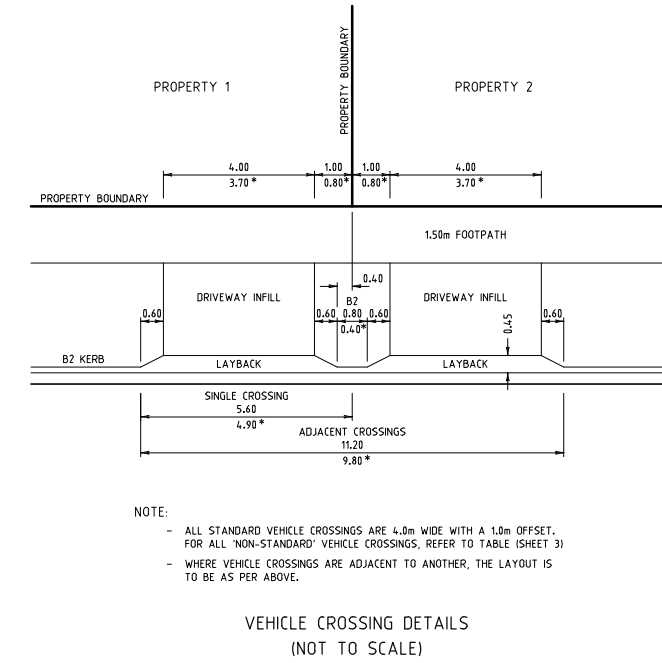
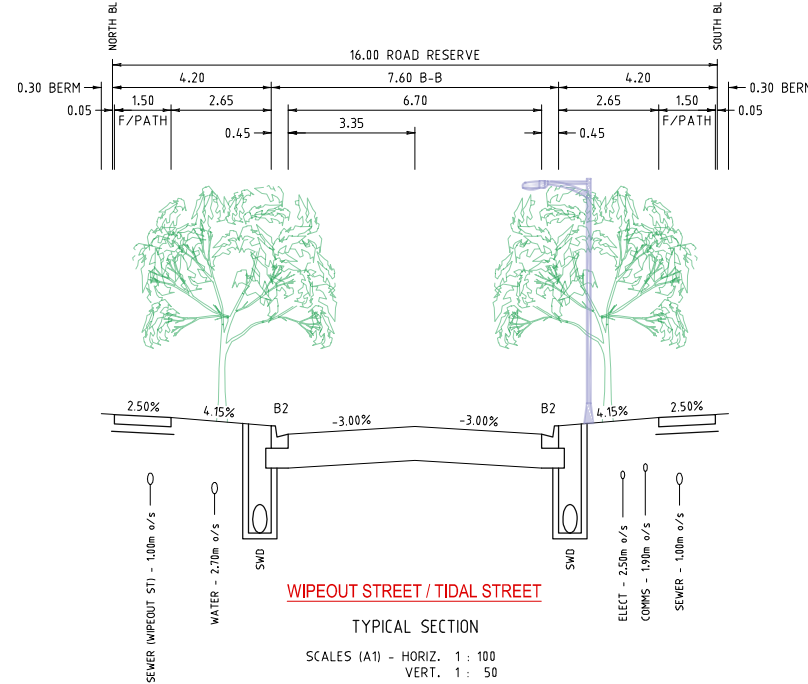
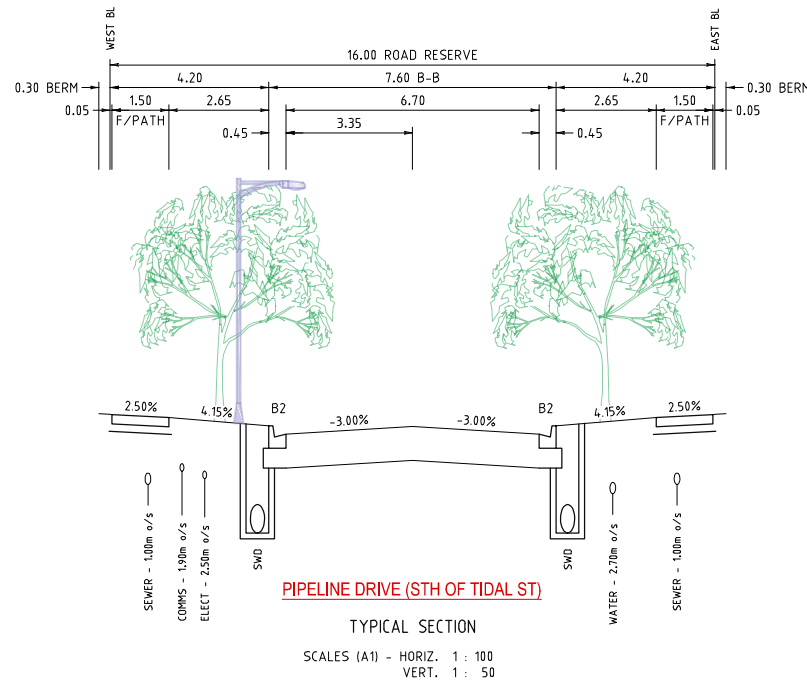
SHEET No.	REV No.	DESCRIPTION
1	1	GENERAL NOTES.
2	1	ROAD TYPICAL SECTIONS / DETAILS
3	1	FACEPLAN, SERVICES AND PIT SETOUT SCHEDULES.
4	0	PIPELINE DRIVE LONGITUDINAL SECTION
5	0	PIPELINE DRIVE CROSS SECTIONS (CH2105-CH2100).
6	1	PIPELINE DRIVE CROSS SECTIONS (CH5332-CH2112) & PIT SCHEDULE.
7	0	WIPEOUT STREET LONGITUDINAL SECTION & CROSS SECTIONS.

SHEET No.	REV No.	DESCRIPTION
8	0	TIDAL STREET LONGITUDINAL SECTION & CROSS SECTIONS.
9	0	PIPELINE DRIVE/WIPEOUT STREET INTERSECTION DETAIL - (1:25)
10	0	PIPELINE DRIVE/TIDAL STREET INTERSECTION DETAIL - (1:25)
11	1	DRAINAGE LONGITUDINAL SECTIONS ('A' & 'C' LINES).
12	0	DRAINAGE LONGITUDINAL SECTIONS ('B' & 'D' LINES).
13	0	DRAINAGE LONGITUDINAL SECTIONS ('E'-I' LINES) INCLUSIVE.
14	0	STREET SIGNAGE PLAN

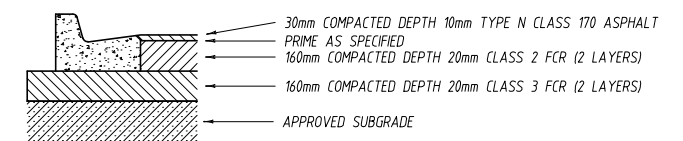
Rev 1 

PLANNING PERMIT No 1495/2018

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers		153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
17.03.26	REV 1 - AMENDED SHEET INDEX	REGISTRATION No	PE0006748	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE	
29.01.26	REV 0 - FOR CONSTRUCTION	DESIGNED	P.J.B		
DATE	DESCRIPTION	DRAWN	C.S.		
A1		CHECKED		SCALE AS SHOWN	DATUM AHD
				DATE	NOV '25
				SHEET	1 OF 14



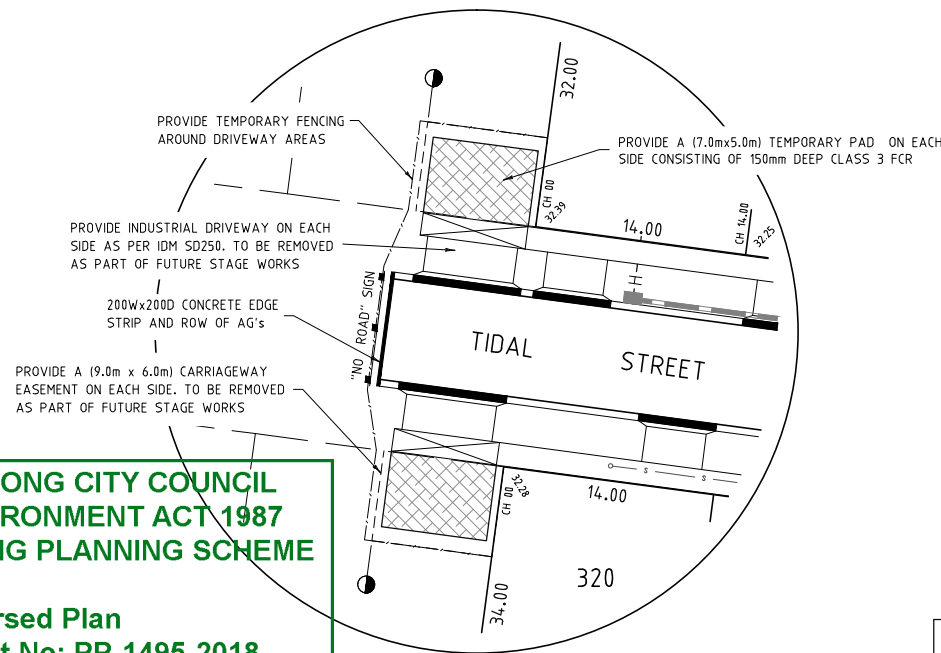
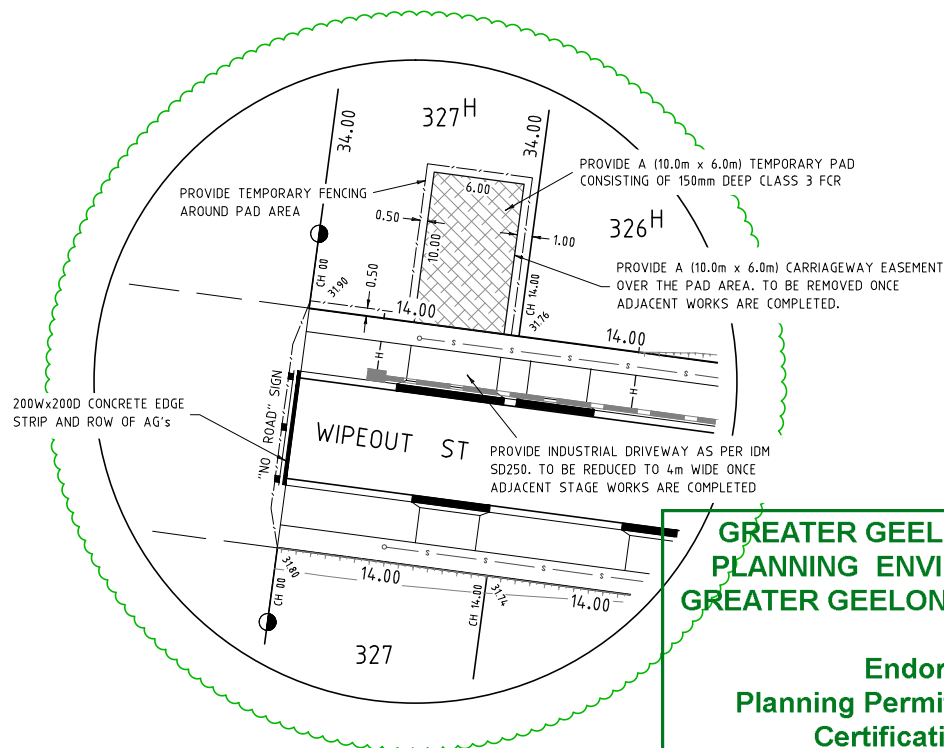
NOTE:
i) ALL BASE AND SUBBASE COURSES TO BE COMPACTED TO 98% MODIFIED COMPACTION WITH THE APPROVED SUBGRADE COMPACTED TO 98% STANDARD COMPACTION ALL IN ACCORDANCE WITH THE IDM



SUBGRADE IMPROVEMENT (IF REQUIRED) SEE NOTE BELOW

a) 100mm COMPACTED DEPTH 20mm CLASS 4 FCR

NOTE:
SUBGRADE IMPROVEMENT ONLY IF IDENTIFIED AS REQUIRED DURING CONSTRUCTION. MAY BE SUBSTITUTED FOR VICROADS COMPLIANT TYPE A FILL MATERIAL IF REQUIRED.



**GREATER GEELONG CITY COUNCIL
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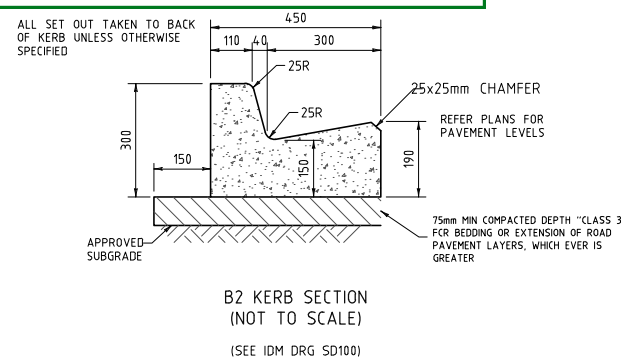
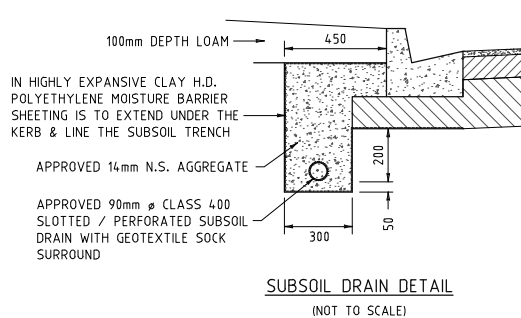
NOTE: THIS IS NOT A BUILDING APPROVAL

ROAD LAYOUT TABLE

STREET NAME	ROAD RESERVE					KERB TYPE	
	WIDTH	LIP-LIP	INV-INV	BACK-BACK	VERGE		
PIPELINE DRIVE	16.00	6.70	7.30	7.60	4.20 BOTH	B2	B2
WIPEOUT STREET	16.00	6.70	7.30	7.60	4.20 BOTH	B2	B2
TIDAL STREET	16.00	6.70	7.30	7.60	4.20 BOTH	B2	B2

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
PIPELINE DRIVE (STH OF TIDAL ST)	1.90 W	NA	2.70 E	2.50 W	4.20
PIPELINE DRIVE (NTH OF TIDAL ST)	1.90 E	NA	2.70W/3.80E	2.50 E	4.20
WIPEOUT STREET	1.90 S	NA	2.70 N	2.50 S	4.20
TIDAL STREET	1.90 S	NA	2.70 N	2.50 S	4.20



Rev 1

Peter Berry & Associates Pty. Ltd.
Civil Engineers
153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799

REGISTRATION No PE0006748
DESIGNED P.J.B.
DRAWN C.S.
CHECKED

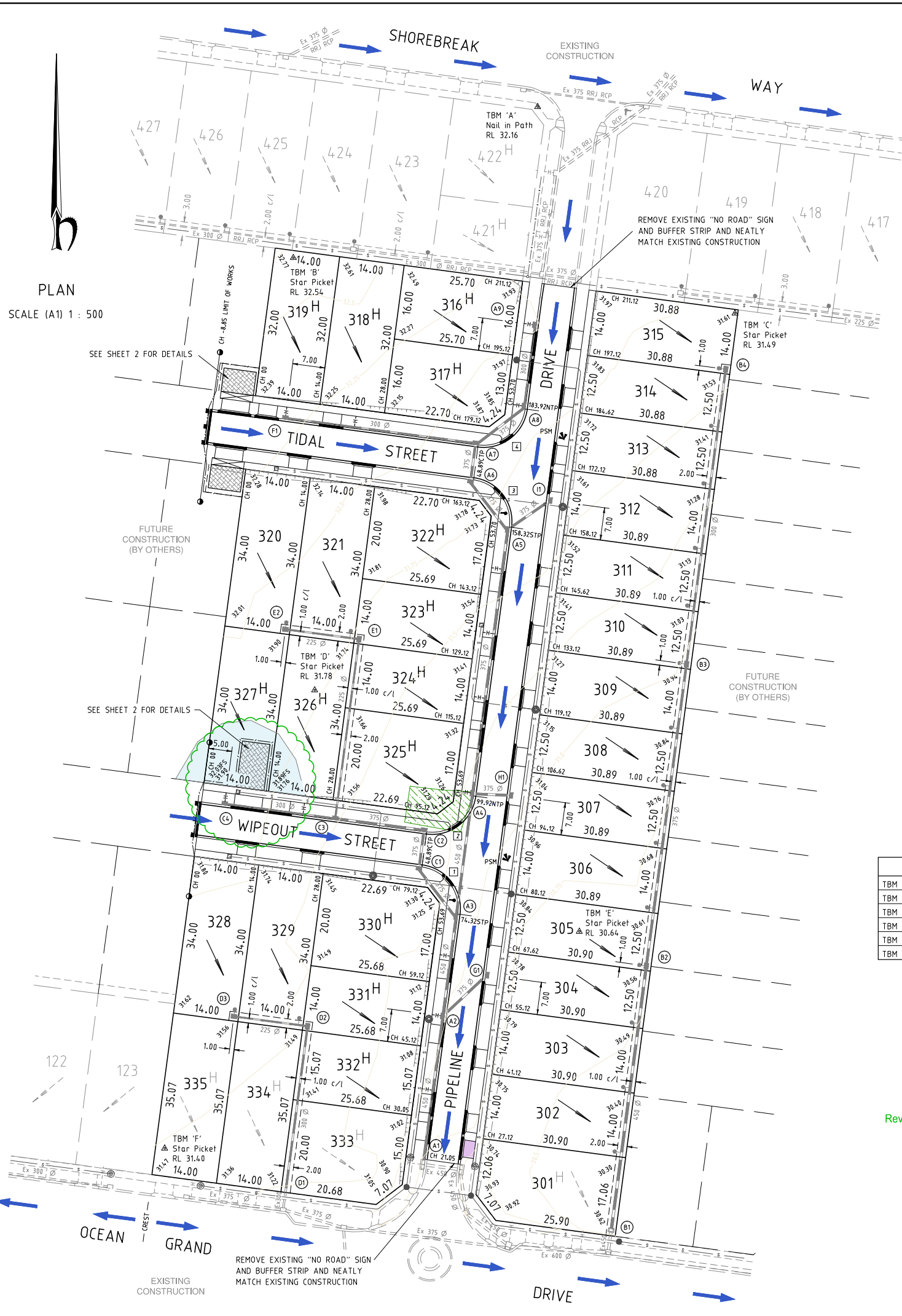
**KINGSTON HAVEN ESTATE
STAGE 3
OCEAN GROVE**

MUNICIPALITY GREATER GEELONG
REFERENCE 2509^E
SHEET 2 OF 14

DATE 17.03.26
DESCRIPTION REV 1 - AMENDED DETAIL (WIPEOUT STREET)

DATE 29.01.26
DESCRIPTION REV 0 - FOR CONSTRUCTION

SCALE AS SHOWN **DATUM** AHD **DATE** NOV '25



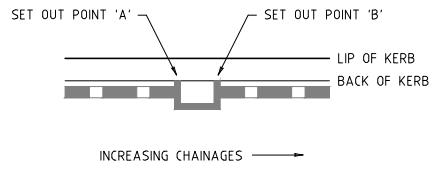
PLAN
SCALE (A1) 1 : 500

PIT SETOUT SCHEDULE

PIT No	POINT 'A' E	POINT 'A' N	POINT 'B' E	POINT 'B' N
A2	286321.79	5763250.53	286321.91	5763251.42
A3	286324.64	5763271.94	286324.76	5763272.83
A4	286328.18	5763298.50	286328.30	5763299.40
A5	286335.74	5763355.20	286335.86	5763356.09
A6	286327.11	5763366.49	286328.00	5763366.37
A7	286328.11	5763374.03	286329.00	5763373.91
A8	286339.28	5763381.77	286339.40	5763382.66
A9	286341.60	5763399.21	286341.72	5763400.11
C1	286316.01	5763283.23	286316.90	5763283.11
C2	286317.01	5763290.76	286317.91	5763290.64
C3	286297.90	5763293.31	286298.79	5763293.19
C4	286274.11	5763296.48	286275.00	5763296.36
F1	286287.17	5763379.48	286288.07	5763379.36
G1	286330.65	5763259.44	286330.77	5763260.33
H1	286335.80	5763298.09	286335.92	5763298.99
I1	286344.25	5763361.53	286344.37	5763362.43

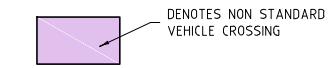
LEGEND

- PROPOSED STAGE TITLE BOUNDARIES
- - - EXISTING TITLE BOUNDARIES
- - - FUTURE TITLE BOUNDARIES
- - - EASEMENT
- 325^H LOT NUMBER (FRONT HOUSE DRAIN CONNECTION)
- 310 LOT NUMBER (REAR PROPERTY INTLET CONNECTION)
- FOOTPATH BOK LIP PROPOSED KERB & CHANNEL/DRIVEWAY/FOOTPATH
- - - EXISTING STORMWATER DRAINAGE / PIT
- PROPOSED STORMWATER DRAINAGE / PIT
- HOUSE DRAIN
- PROPERTY INLET
- SEWER NETWORK
- EXISTING CONTOURS (0.25m INTERVAL)
- LOT FALL ARROW
- EXISTING SURFACE LEVELS
- STREET SIGN
- CONC EDGE STRIP, ROW OF AG'S & 'NO ROAD' SIGN
- TEMPORARY FENCING
- TEMPORARY INDUSTRIAL DRIVEWAY AND FCR PAD
- EXISTING COMPACTED FILL SHOWN PLACED AS PART OF PREVIOUS WORKS



NON STANDARD VEHICLE CROSSINGS

LOT No.	VEHICLE CROSSING WIDTH (m)	OFFSET FROM NEAREST SIDE BOUNDARY (m)
301	3.70	0.80 NORTH



DEPTH OF FILL
NIL - 0.30

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

SURVEY MARKS AND LOCATIONS

DESCRIPTION	EASTING	NORTHING	ELEVATION
TBM 'A' NAIL IN PATH - NE CNR LOT 422	286341.94	5763446.62	32.16
TBM 'B' STAR PICKET - NW CNR LOT 319	286289.36	5763414.14	32.54
TBM 'C' STAR PICKET - NE CNR LOT 315	286384.43	5763402.17	31.49
TBM 'D' STAR PICKET - LOT 326	286293.95	5763321.13	31.78
TBM 'E' STAR PICKET - LOT 305	286350.93	5763269.2	30.64
TBM 'F' STAR PICKET - SE CNR LOT 335	286261.66	5763222.57	31.40

**GREATER GEELONG CITY COUNCIL
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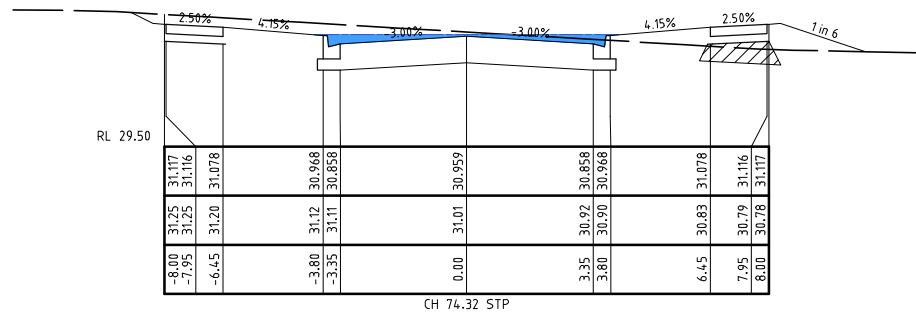
SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
PIPELINE DRIVE (ISTH OF TIDAL ST)	1.90 W	NA	2.70 E	2.50 W	4.20
PIPELINE DRIVE (INTH OF TIDAL ST)	1.90 E	NA	2.70W/3.80E	2.50 E	4.20
WIPEOUT STREET	1.90 S	NA	2.70 N	2.50 S	4.20
TIDAL STREET	1.90 S	NA	2.70 N	2.50 S	4.20

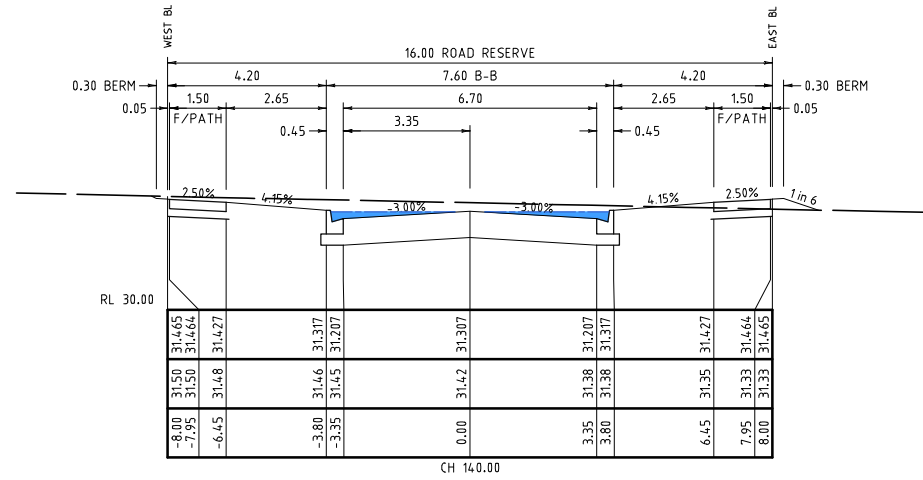
PLANNING PERMIT No 1495/2018

AMENDMENTS	17.03.26	REV 1 - AMENDED PLAN (LOTS 326 & 327)	REGISTRATION No PE000674.8	DESIGNED P.J.B	DRAWN C.S.	CHECKED	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE	MUNICIPALITY GREATER GEELONG
	29.01.26	REV 0 - FOR CONSTRUCTION							
DATE	DESCRIPTION		DESIGNED	P.J.B	DRAWN	C.S.	SCALE AS SHOWN	DATUM	AHD
A1	1:500	0 5 10 20 30 METRES	DATE	NOV '25	SHEET	3 OF 14	REFERENCE	2509 ^E	

LINE



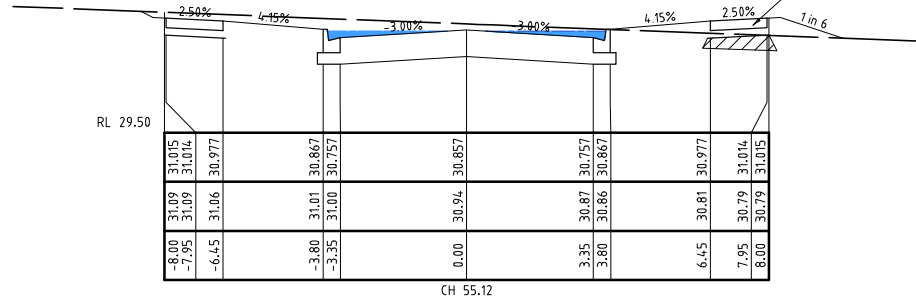
LINE



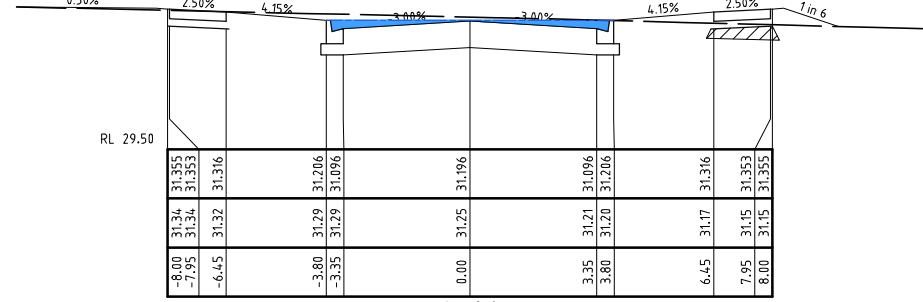
LINE

LINE

BUILDING



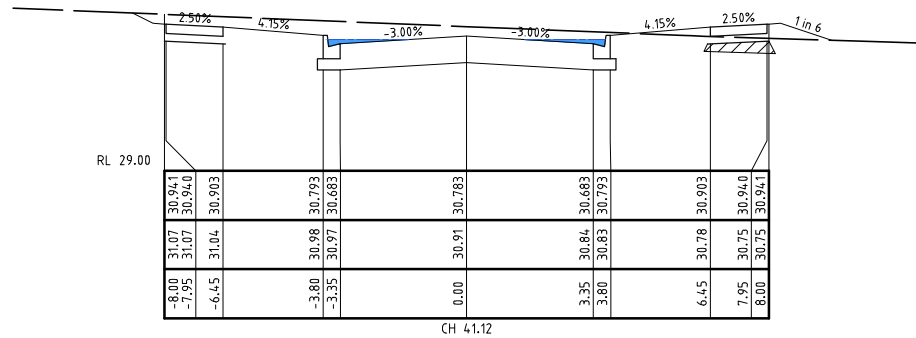
BUILDING



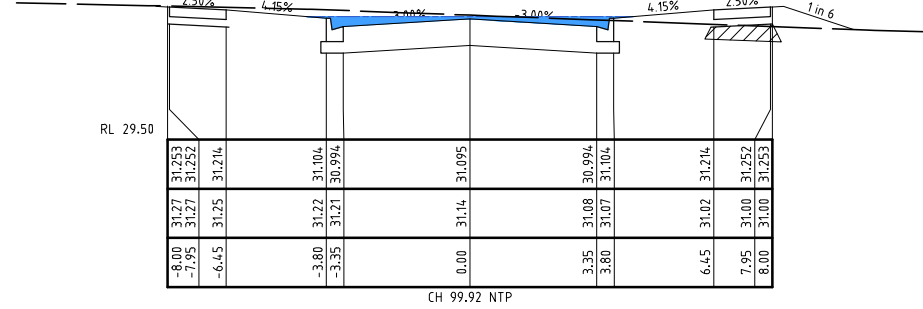
BUILDING

BUILDING

WEST



EAST



WEST

EAST

DESIGN SURFACE	30.835	30.834	30.796	30.686	30.677	30.576	30.686	30.796	30.834	30.835
EXISTING SURFACE	30.95	30.95	30.89	30.70	30.66	30.57	30.57	30.93	30.95	30.95
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.35	0.00	3.35	3.80	6.45	7.95

CH 21.05

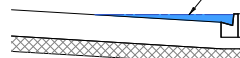
PIPELINE DRIVE CROSS SECTIONS

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

NOTE: BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 6 FOR CUT AND FILL UNLESS OTHERWISE SHOWN.



DENOTES SELECTED STRUCTURAL FILL EXTENDING 200mm BELOW NATURAL SURFACE AS SPECIFIED. REQUIRED WHERE FOOTPATH/PAVEMENT IS CONSTRUCTED ABOVE NATURAL SURFACE (SEE NOTE 16 ON SHEET 1)



DENOTES 1% AEP FLOWS

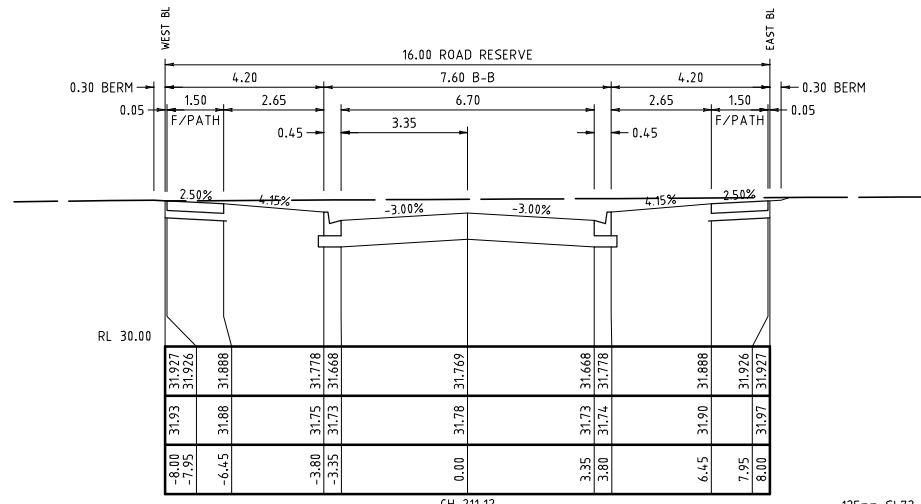
**GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME**

**Endorsed Plan
Planning Permit No: PP-1495-2018
Certification No: 16910
Sheet 5 of 14
Approved By Ryan White
Approved Date 26/03/2026**

NOTE: THIS IS NOT A BUILDING APPROVAL

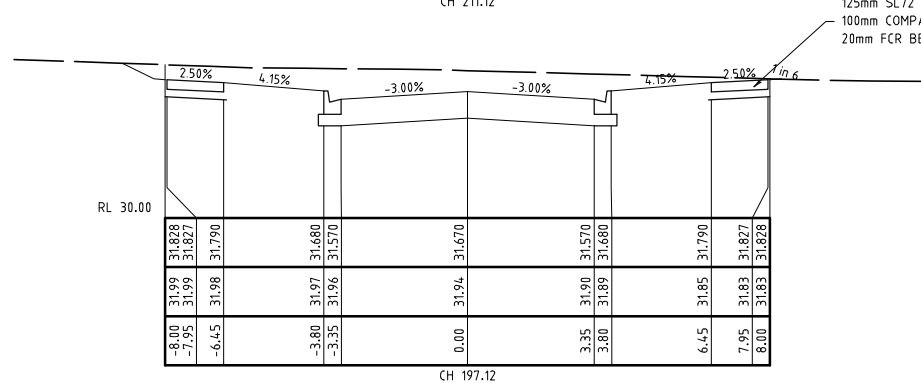
PLANNING PERMIT No 1495/2018

AMENDMENTS		Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		
	29.01.26		REV 0 - FOR CONSTRUCTION	REGISTRATION No PE000674.8	MUNICIPALITY GREATER GEELONG
A1	1 : 100	METRES	DESIGNED P.J.B	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE	REFERENCE 2509 ^E
	1 : 50		DRAWN C.S.		CHECKED



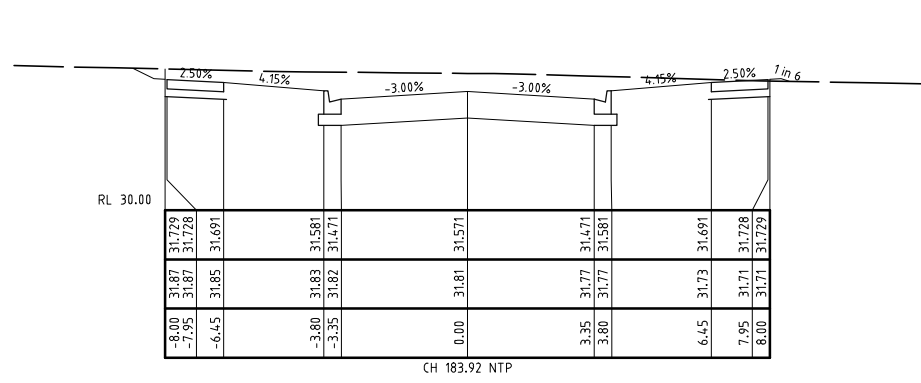
LINE

LINE



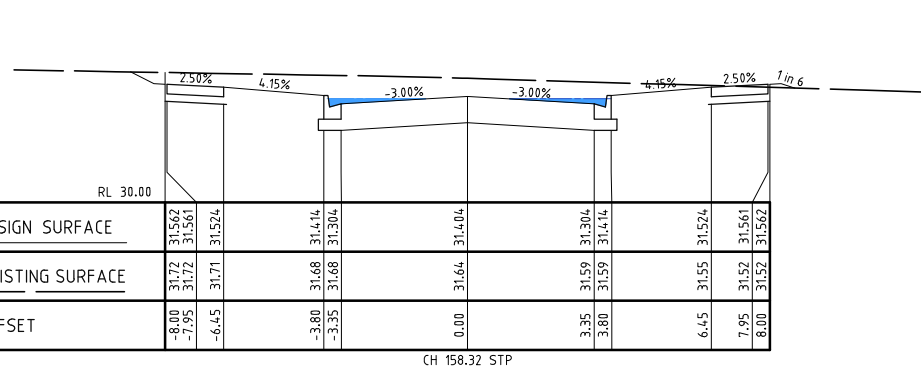
BUILDING

BUILDING



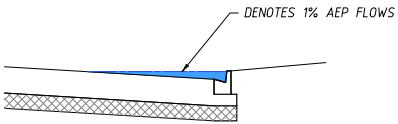
WEST

EAST



	0.00	0.45	1.50	3.00	4.50	6.00	7.50	8.00
DESIGN SURFACE	31.524	31.524	31.414	31.404	31.304	31.524	31.561	31.562
EXISTING SURFACE	31.72	31.72	31.68	31.68	31.59	31.52	31.52	31.52
OFFSET	-0.00	-0.45	-0.45	0.00	0.45	0.45	0.00	0.00

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



PIT SCHEDULE										
PIT No.	PIT TYPE	LENGTH	WIDTH	INLET	PIPE Ø	OUTLET	PIPE Ø	FINISHED SURFACE R.L.	PIT DEPTH	PIT TYPE
		mm	mm	I.L.	mm	I.L.	mm	m	m	
A1	EXISTING DOUBLE SIDE ENTRY PIT	1900	750	29.134	450	29.084	450	30.68	1.60	-
A2	SIDE ENTRY PIT	900	600	29.300	450	29.250	450	30.85	1.60	SD 405, 430
A3	SIDE ENTRY PIT	900	600	29.300	375	29.380	450	30.97	1.59	SD 405, 430
A4	SIDE ENTRY PIT	900	600	29.430	375	29.550	375	31.11	1.56	SD 405, 430
A5	SIDE ENTRY PIT	900	600	29.970	375	29.920	375	31.41	1.49	SD 405, 430
A6	SIDE ENTRY PIT	900	600	30.100	375	30.050	375	31.51	1.46	SD 405, 430
A7	SIDE ENTRY PIT	900	600	30.200	375	30.150	375	31.52	1.37	SD 405, 430
A8	SIDE ENTRY PIT	900	600	30.400	300	30.350	375	31.59	1.24	SD 405, 430
A9	JUNCTION PIT	900	600	-	-	30.710	300	31.72	1.01	SD 405, 420
B1	Ex GP (REMOVE AND CONTINUE PIPE)	-	-	28.876	450	28.876	450	30.28	1.40	-
B2	JUNCTION PIT	900	600	29.388	375	29.338	450	30.60	1.26	SD 405, 425
B3	JUNCTION PIT	900	600	29.800	300	29.750	375	30.97	1.22	SD 405, 425
B4	JUNCTION PIT	900	600	-	-	30.350	300	31.54	1.19	SD 405, 425
C1	SIDE ENTRY PIT	900	600	29.540	375	29.490	375	31.09	1.60	SD 405, 430
C2	SIDE ENTRY PIT	900	600	29.640	375	29.590	375	31.10	1.51	SD 405, 430
C3	SIDE ENTRY PIT	900	600	30.080	300	30.000	375	31.44	1.44	SD 405, 430
C4	JUNCTION PIT	900	600	-	-	30.500	300	31.85	1.35	SD 405, 420
D1	EXISTING END OF PIPE	-	-	29.837	300	29.837	300	31.24	1.40	-
D2	JUNCTION PIT	900	600	30.521	225	30.446	300	31.48	1.04	SD 405, 425
D3	JUNCTION PIT	900	600	-	-	30.650	225	31.56	0.91	SD 405, 425
E1	JUNCTION PIT	900	600	30.590	225	30.540	225	31.73	1.19	SD 405, 425
E2	JUNCTION PIT	900	600	-	-	30.780	225	31.91	1.13	SD 405, 425
F1	JUNCTION PIT	900	600	-	-	30.950	300	32.27	1.32	SD 405, 420
G1	SIDE ENTRY PIT	900	600	-	-	29.580	375	30.90	1.32	SD 405, 430
H1	SIDE ENTRY PIT	900	600	-	-	29.760	375	31.11	1.35	SD 405, 430
I1	SIDE ENTRY PIT	900	600	-	-	30.280	375	31.45	1.17	SD 405, 430

Rev 1

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

**Endorsed Plan
 Planning Permit No: PP-1495-2018
 Certification No: 16910
 Sheet 6 of 14
 Approved By Ryan White
 Approved Date 26/03/2026**

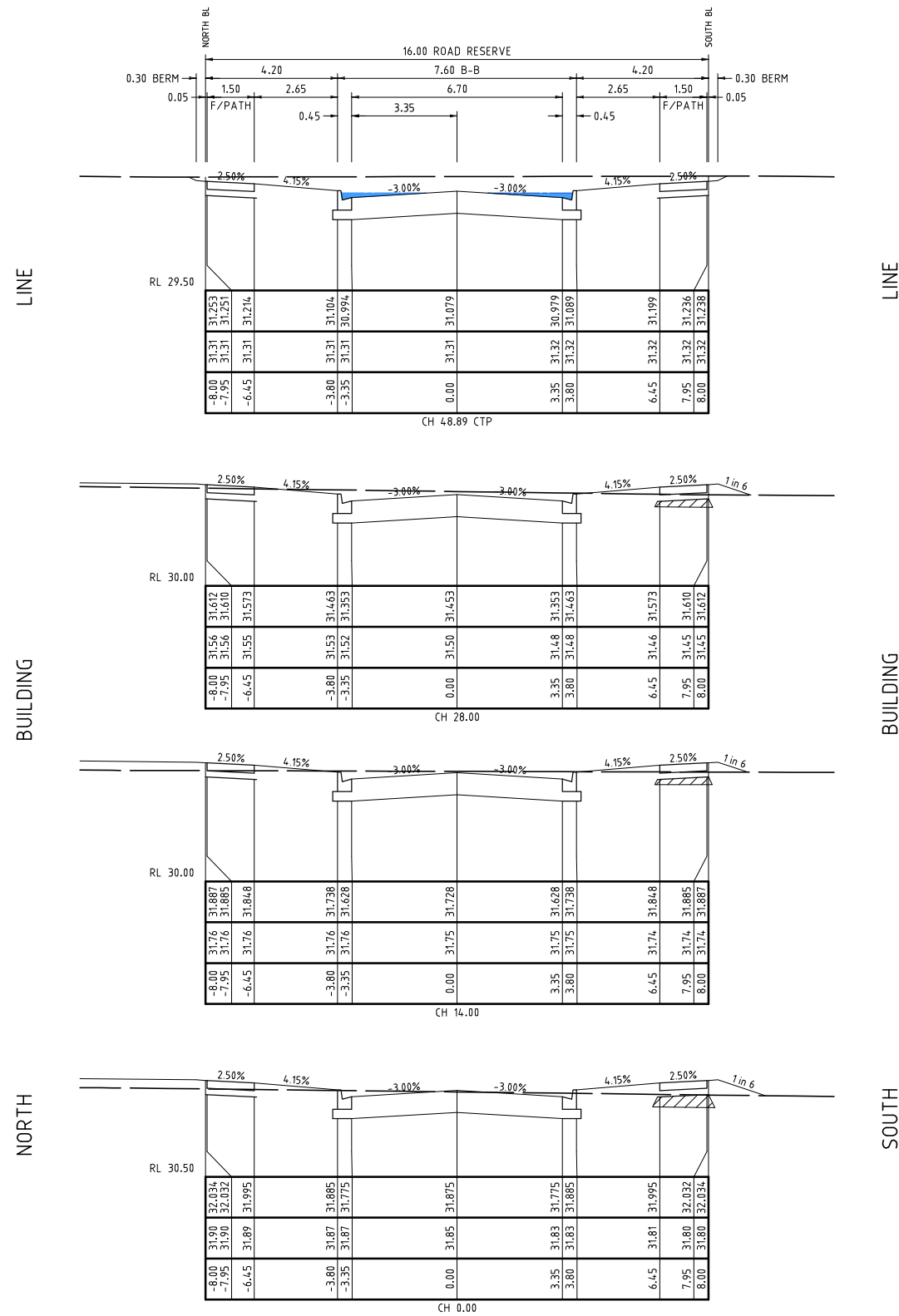
NOTE: THIS IS NOT A BUILDING APPROVAL

NOTE:
 BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 6
 FOR CUT AND FILL UNLESS OTHERWISE SHOWN.

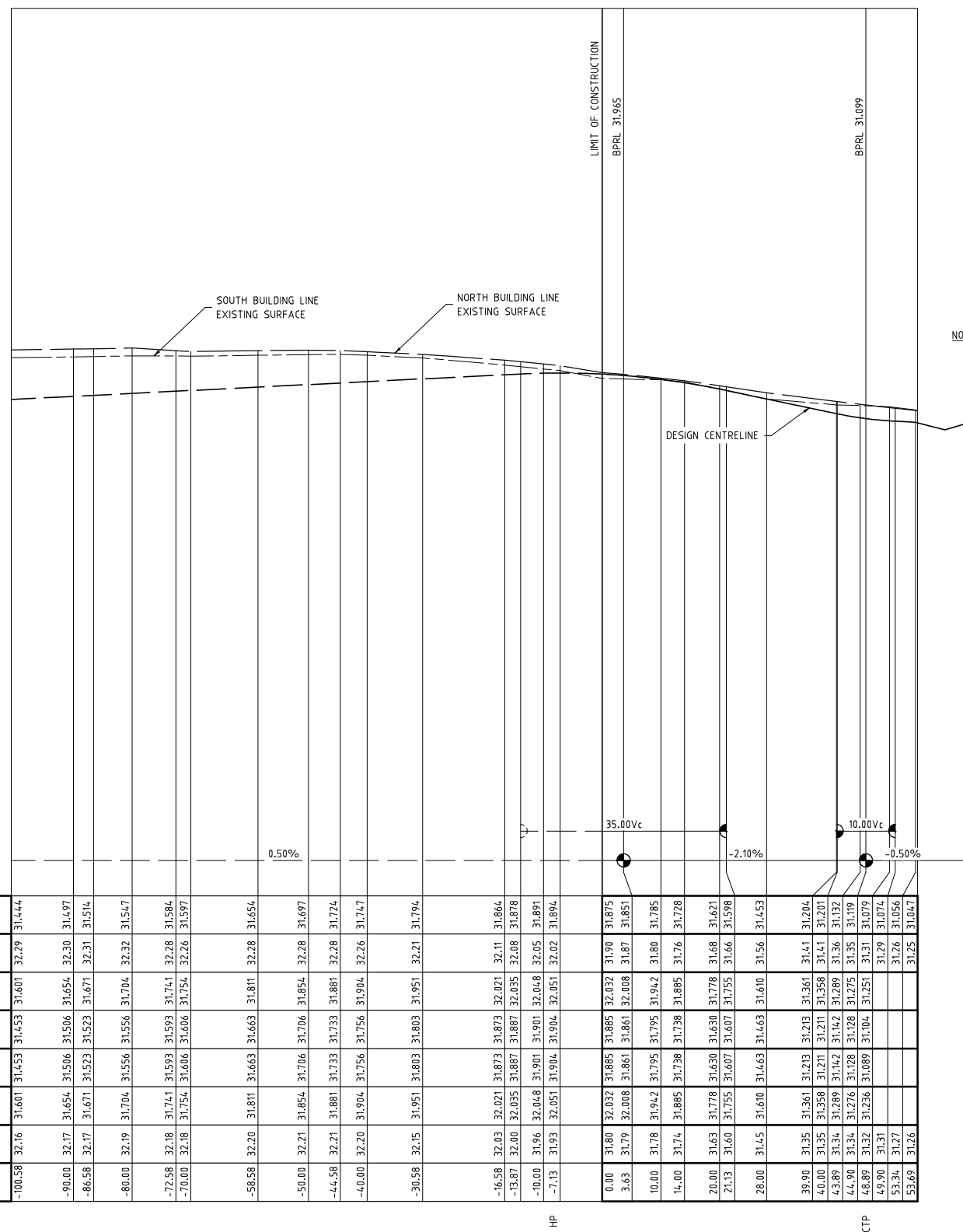
PLANNING PERMIT No 1495/2018

AMENDMENTS	17.03.26	REV 1 - AMENDED PIT SCHEDULE	REGISTRATION No	Peter Berry & Associates Pty. Ltd. Civil Engineers	153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
	29.01.26	REV 0 - FOR CONSTRUCTION	PE0006748			
	DATE	DESCRIPTION	DESIGNED			P.J.B
	DATE	DESCRIPTION	DRAWN			C.S.
A1	1:100	2 1 0 2 4 6	1:50	1 0.5 0 1 2 3	METRES	
			CHECKED	SCALE AS SHOWN	DATUM AHD	
			DATE	NOV '25	SHEET 6 OF 14	

MUNICIPALITY
 GREATER GEELONG
 REFERENCE
 2509^E



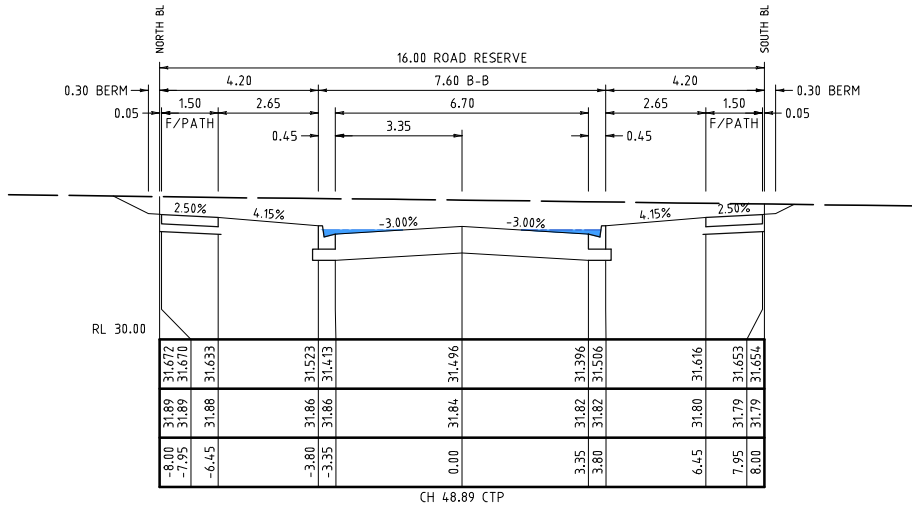
WIPEOUT STREET CROSS SECTIONS
 SCALES - HORIZ. 1 : 100
 VERT. 1 : 50



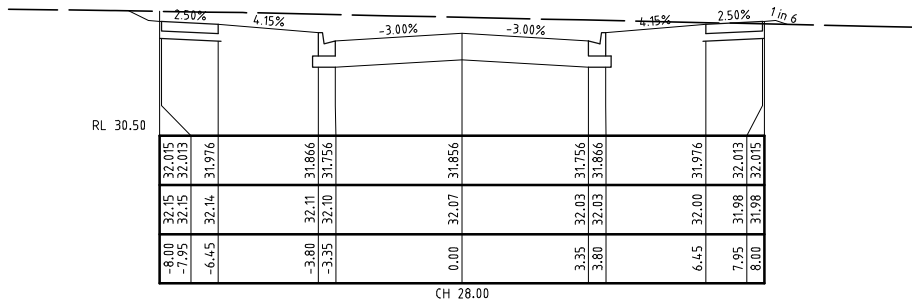
WIPEOUT STREET LONGITUDINAL SECTION
 SCALES - HORIZ. 1 : 500
 VERT. 1 : 50

	CHAINAGE	31.444	31.453	31.461	31.467	31.474	31.481	31.488	31.495	31.502	31.509	31.516	31.523	31.530	31.537	31.544	31.551	31.558	31.565	31.572	31.579	31.586	31.593	31.600	31.607	31.614	31.621	31.628	31.635	31.642	31.649	31.656	31.663	31.670	31.677	31.684	31.691	31.698	31.705	31.712	31.719	31.726	31.733	31.740	31.747	31.754	31.761	31.768	31.775	31.782	31.789	31.796	31.803	31.810	31.817	31.824	31.831	31.838	31.845	31.852	31.859	31.866	31.873	31.880	31.887	31.894	31.901	31.908	31.915	31.922	31.929	31.936	31.943	31.950	31.957	31.964	31.971	31.978	31.985	31.992	31.999	32.006	32.013	32.020	32.027	32.034	32.041	32.048	32.055	32.062	32.069	32.076	32.083	32.090	32.097	32.104	32.111	32.118	32.125	32.132	32.139	32.146	32.153	32.160	32.167	32.174	32.181	32.188	32.195	32.202	32.209	32.216	32.223	32.230	32.237	32.244	32.251	32.258	32.265	32.272	32.279	32.286	32.293	32.300	32.307	32.314	32.321	32.328	32.335	32.342	32.349	32.356	32.363	32.370	32.377	32.384	32.391	32.398	32.405	32.412	32.419	32.426	32.433	32.440	32.447	32.454	32.461	32.468	32.475	32.482	32.489	32.496	32.503	32.510	32.517	32.524	32.531	32.538	32.545	32.552	32.559	32.566	32.573	32.580	32.587	32.594	32.601	32.608	32.615	32.622	32.629	32.636	32.643	32.650	32.657	32.664	32.671	32.678	32.685	32.692	32.699	32.706	32.713	32.720	32.727	32.734	32.741	32.748	32.755	32.762	32.769	32.776	32.783	32.790	32.797	32.804	32.811	32.818	32.825	32.832	32.839	32.846	32.853	32.860	32.867	32.874	32.881	32.888	32.895	32.902	32.909	32.916	32.923	32.930	32.937	32.944	32.951	32.958	32.965	32.972	32.979	32.986	32.993	32.000	32.007	32.014	32.021	32.028	32.035	32.042	32.049	32.056	32.063	32.070	32.077	32.084	32.091	32.098	32.105	32.112	32.119	32.126	32.133	32.140	32.147	32.154	32.161	32.168	32.175	32.182	32.189	32.196	32.203	32.210	32.217	32.224	32.231	32.238	32.245	32.252	32.259	32.266	32.273	32.280	32.287	32.294	32.301	32.308	32.315	32.322	32.329	32.336	32.343	32.350	32.357	32.364	32.371	32.378	32.385	32.392	32.399	32.406	32.413	32.420	32.427	32.434	32.441	32.448	32.455	32.462	32.469	32.476	32.483	32.490	32.497	32.504	32.511	32.518	32.525	32.532	32.539	32.546	32.553	32.560	32.567	32.574	32.581	32.588	32.595	32.602	32.609	32.616	32.623	32.630	32.637	32.644	32.651	32.658	32.665	32.672	32.679	32.686	32.693	32.700	32.707	32.714	32.721	32.728	32.735	32.742	32.749	32.756	32.763	32.770	32.777	32.784	32.791	32.798	32.805	32.812	32.819	32.826	32.833	32.840	32.847	32.854	32.861	32.868	32.875	32.882	32.889	32.896	32.903	32.910	32.917	32.924	32.931	32.938	32.945	32.952	32.959	32.966	32.973	32.980	32.987	32.994	33.001	33.008	33.015	33.022	33.029	33.036	33.043	33.050	33.057	33.064	33.071	33.078	33.085	33.092	33.099	33.106	33.113	33.120	33.127	33.134	33.141	33.148	33.155	33.162	33.169	33.176	33.183	33.190	33.197	33.204	33.211	33.218	33.225	33.232	33.239	33.246	33.253	33.260	33.267	33.274	33.281	33.288	33.295	33.302	33.309	33.316	33.323	33.330	33.337	33.344	33.351	33.358	33.365	33.372	33.379	33.386	33.393	33.400	33.407	33.414	33.421	33.428	33.435	33.442	33.449	33.456	33.463	33.470	33.477	33.484	33.491	33.498	33.505	33.512	33.519	33.526	33.533	33.540	33.547	33.554	33.561	33.568	33.575	33.582	33.589	33.596	33.603	33.610	33.617	33.624	33.631	33.638	33.645	33.652	33.659	33.666	33.673	33.680	33.687	33.694	33.701	33.708	33.715	33.722	33.729	33.736	33.743	33.750	33.757	33.764	33.771	33.778	33.785	33.792	33.799	33.806	33.813	33.820	33.827	33.834	33.841	33.848	33.855	33.862	33.869	33.876	33.883	33.890	33.897	33.904	33.911	33.918	33.925	33.932	33.939	33.946	33.953	33.960	33.967	33.974	33.981	33.988	33.995	34.002	34.009	34.016	34.023	34.030	34.037	34.044	34.051	34.058	34.065	34.072	34.079	34.086	34.093	34.100	34.107	34.114	34.121	34.128	34.135	34.142	34.149	34.156	34.163	34.170	34.177	34.184	34.191	34.198	34.205	34.212	34.219	34.226	34.233	34.240	34.247	34.254	34.261	34.268	34.275	34.282	34.289	34.296	34.303	34.310	34.317	34.324	34.331	34.338	34.345	34.352	34.359	34.366	34.373	34.380	34.387	34.394	34.401	34.408	34.415	34.422	34.429	34.436	34.443	34.450	34.457	34.464	34.471	34.478	34.485	34.492	34.499	34.506	34.513	34.520	34.527	34.534	34.541	34.548	34.555	34.562	34.569	34.576	34.583	34.590	34.597	34.604	34.611	34.618	34.625	34.632	34.639	34.646	34.653	34.660	34.667	34.674	34.681	34.688	34.695	34.702	34.709	34.716	34.723	34.730	34.737	34.744	34.751	34.758	34.765	34.772	34.779	34.786	34.793	34.800	34.807	34.814	34.821	34.828	34.835	34.842	34.849	34.856	34.863	34.870	34.877	34.884	34.891	34.898	34.905	34.912	34.919	34.926	34.933	34.940	34.947	34.954	34.961	34.968	34.975	34.982	34.989	34.996	35.003	35.010	35.017	35.024	35.031	35.038	35.045	35.052	35.059	35.066	35.073	35.080	35.087	35.094	35.101	35.108	35.115	35.122	35.129	35.136	35.143	35.150	35.157	35.164	35.171	35.178	35.185	35.192	35.199	35.206	35.213	35.220	35.227	35.234	35.241	35.248	35.255	35.262	35.269	35.276	35.283	35.290	35.297	35.304	35.311	35.318	35.325	35.332	35.339	35.346	35.353	35.360	35.367	35.374	35.381	35.388	35.395	35.402	35.409	35.416	35.423	35.430	35.437	35.444	35.451	35.458	35.465	35.472	35.479	35.486	35.493	35.500	35.507	35.514	35.521	35.528	35.535	35.542	35.549	35.556	35.563	35.570	35.577	35.584	35.591	35.598	35.605	35.612	35.619	35.626	35.633	35.640	35.647	35.654	35.661	35.668	35.675	35.682	35.689	35.696	35.703	35.710	35.717	35.724	35.731	35.738	35.745	35.752	35.759	35.766	35.773	35.780	35.787	35.794	35.801	35.808	35.815	35.822	35.829	35.836	35.843	35.850	35.857	35.864	35.871	35.878	35.885	35.892	35.899	35.906	35.913	35.920	35.927	35.934	35.941	35.948	35.955	35.962	35.969	35.976	35.983	35.990	35.997	36.004	36.011	36.018	36.025	36.032	36.039	36.046	36.053	36.060	36.067	36.074	36.081	36.088	36.095	36.102	36.109	36.116	36.123	36.130	36.137	36.144	36.151	36.158	36.165	36.172	36.179	36.186	36.193	36.200	36.207	36.214	36.221	36.228	36.235	36.242	36.249	36.256	36.263	36.270	36.277	36.284	36.291	36.298	36.305	36.312	36.319	36.326	36.333	36.340	36.347	36.354	36.361	36.368	36.375	36.382	36.389	36.396	36.403	36.410	36.417	36.424	36.431	36.438	36.445	36.452	36.459	36.466	36.473	36.480	36.487	36.494	36.501	36.508	36.515	36.522	36.529	36.536	36.543	36.550	36.557	36.564	36.571	36.578	36.585	36.592	36.599	36.606	36.613	36.620	36.627	36.634	36.641	36.648	36.655	36.662	36.669	36.676	36.683	36.690	36.697	36.704	36.711	36.718	36.725	36.732	36.739	36.746	36.753	36.760	36.767	36.774	36.781	36.788	36.795	36.802	36.809	36.816	36.823	36.830	36.837	36.844	36.851	36.858	36.865	36.872	36.879	36.886	36.893	36.900	36.907	36.914	36.921	36.928	36.935	36.942	36.949	36.956	36.963	36.970	36.977	36.984	36.991	36.998	37.005	37.012	37.019	37.026	37.033	37.040	37.047	37.054	37.061	37.068	37.075	37.082	37.089	37.096	37.103	37.110	37.117	37.124	37.131	37.138	37.145	37.152	37.159	37.166	37.173	37.180	37.187	37.194	37.201	37.208	37.215	37.222	37.229	37.236	37.243	37.250	37.257	37.264	37.271	37.278	37.285	37.292	37.299	37.306	37.313	37.320	37.327	37.334	37.341	37.348	37.355	37.362	37.369	37.376
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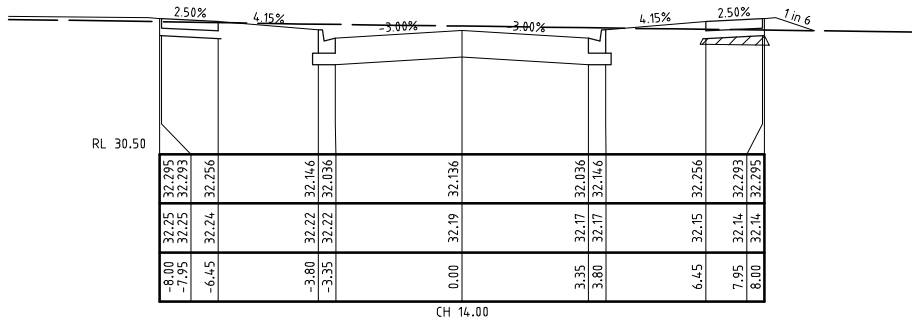
LINE



BUILDING



NORTH



LINE

BUILDING

SOUTH

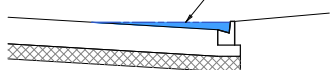
TIDAL STREET CROSS SECTIONS

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

DENOTES SELECTED STRUCTURAL FILL EXTENDING 200mm BELOW NATURAL SURFACE AS SPECIFIED. REQUIRED WHERE FOOTPATH/PAVEMENT IS CONSTRUCTED ABOVE NATURAL SURFACE (SEE NOTE 16 ON SHEET 1)



DENOTES 1% AEP FLOWS

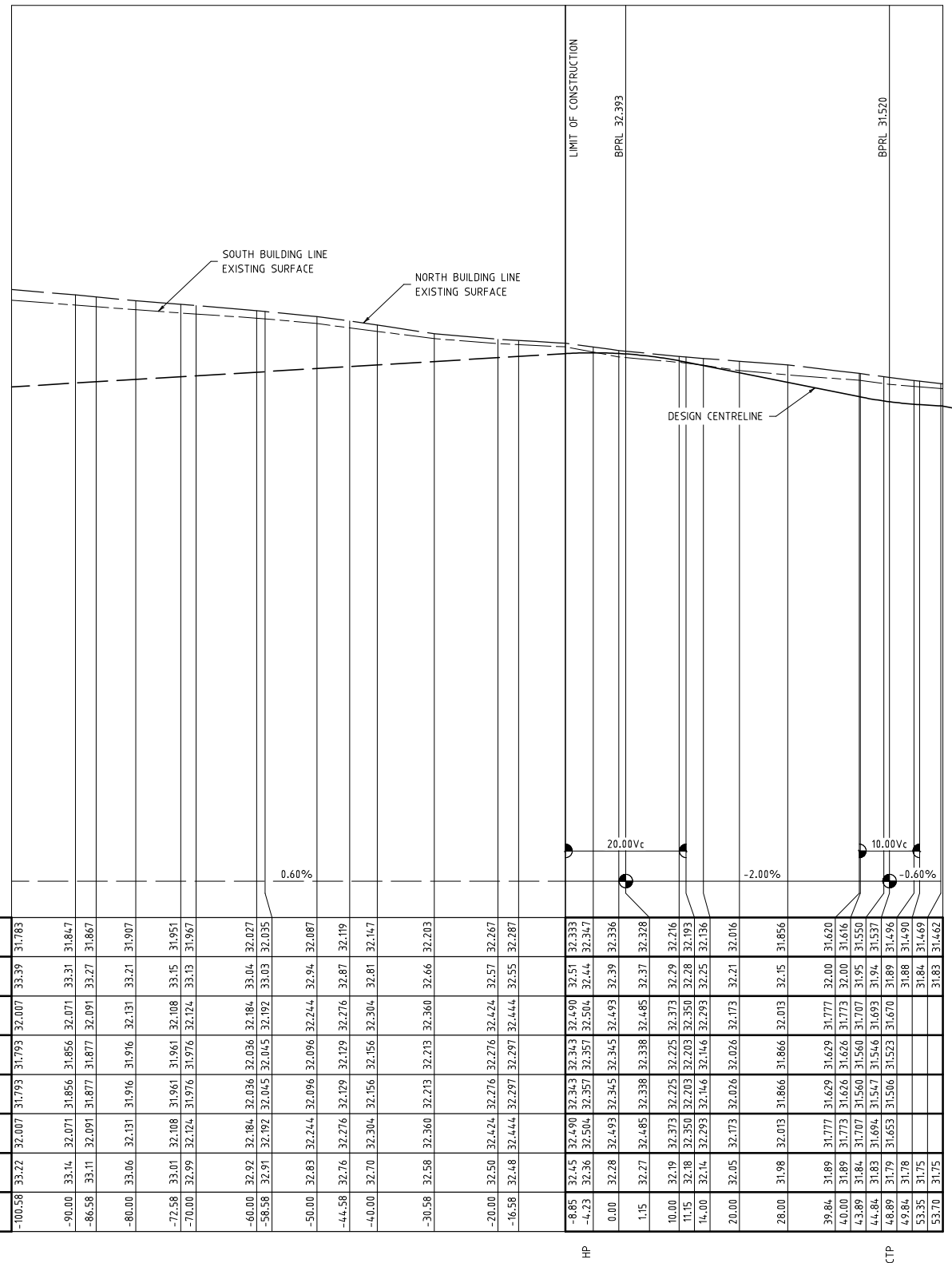


NOTE: BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 6 FOR CUT AND FILL UNLESS OTHERWISE SHOWN.

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

**Endorsed Plan
Planning Permit No: PP-1495-2018
Certification No: 16910
Sheet 8 of 14
Approved By Ryan White
Approved Date 26/03/2026**

NOTE: THIS IS NOT A BUILDING APPROVAL



TIDAL STREET LONGITUDINAL SECTION

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

AMENDMENTS 29.01.26 REV 0 - FOR CONSTRUCTION		REGISTRATION No PE000674.8		DESIGNED P.J.B		MUNICIPALITY GREATER GEELONG	
DATE 29.01.26		DESCRIPTION REV 0 - FOR CONSTRUCTION		DRAWN C.S.		REFERENCE 2509 ^E	
1 : 500 1 : 100 1 : 50		0 5 10 20 30 0 1 2 3 METRES		REGISTERED Peter Berry & Associates Pty. Ltd. Civil Engineers		KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE	
1 50		0 0.5 1 2 3		CHECKED		SCALE AS SHOWN DATUM AHD DATE NOV '25 SHEET 8 OF 14	

NOTE: SEE SHEET No 10 FOR INTERSECTION / KERB RETURN DETAILS

PLANNING PERMIT No 1495/2018

153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799

REGISTRATION No
PE000674.8

DESIGNED
P.J.B

DRAWN
C.S.

CHECKED



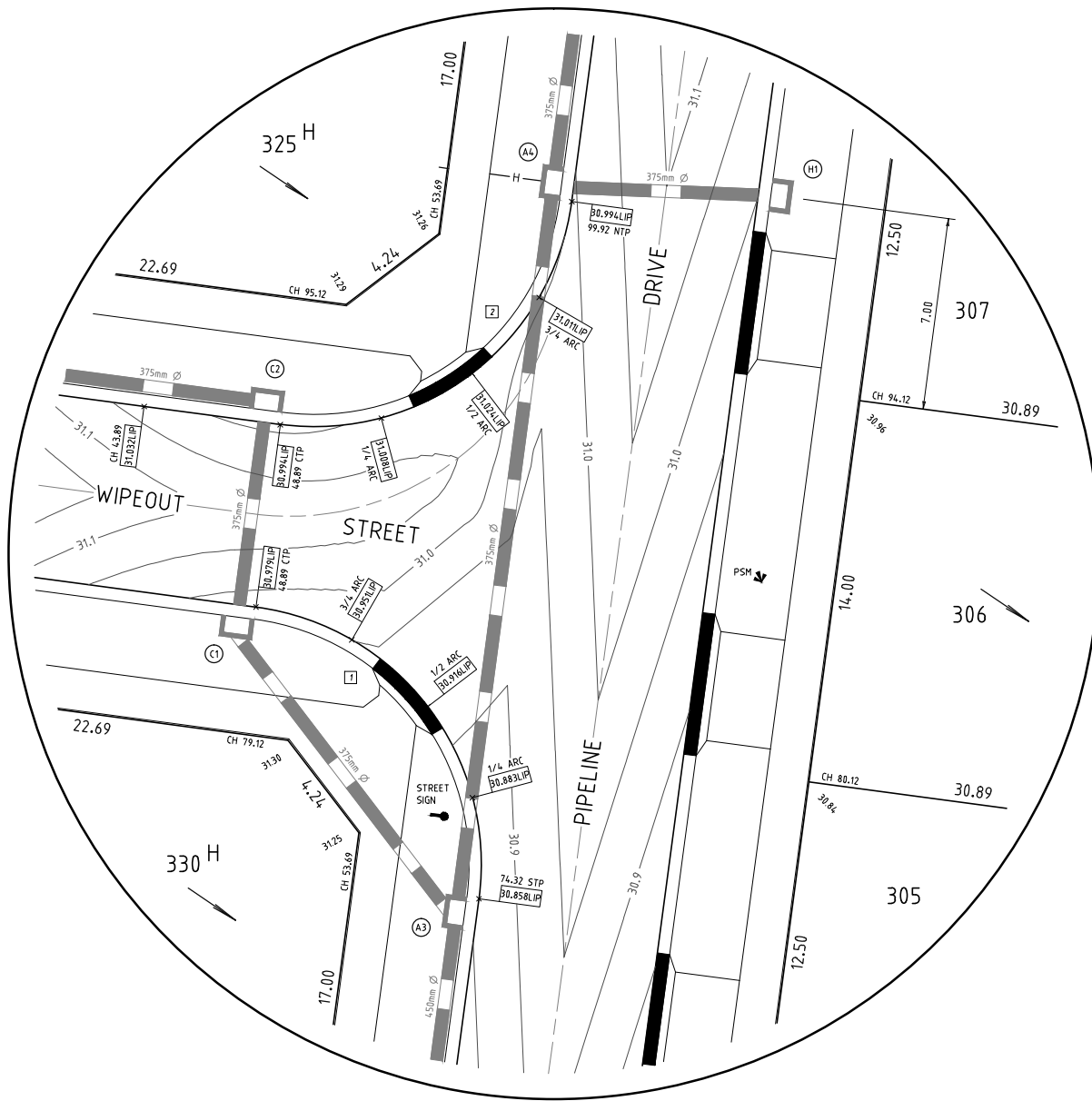
Peter Berry & Associates Pty. Ltd.
Civil Engineers

**KINGSTON HAVEN ESTATE
STAGE 3
OCEAN GROVE**

MUNICIPALITY
GREATER GEELONG

REFERENCE
2509^E

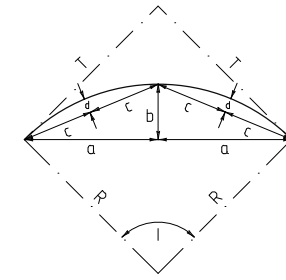
SHEET 8 OF 14



INTERSECTION DETAIL

SCALE (A1) 1 : 125

CONTOUR INTERVAL 0.05 m



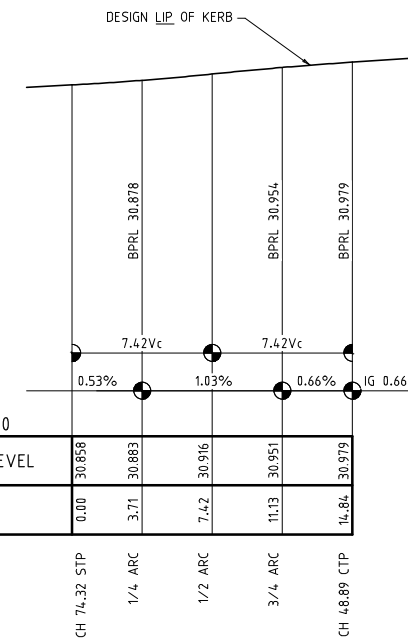
CURVE SETOUT DETAIL

(NOT TO SCALE)

CURVE SETOUT TABLE

CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
1	9.00	90°00'05"	9.00	14.137	6.364	2.636	3.444	0.685
2	9.00	89°59'55"	9.00	14.137	6.364	2.636	3.444	0.685

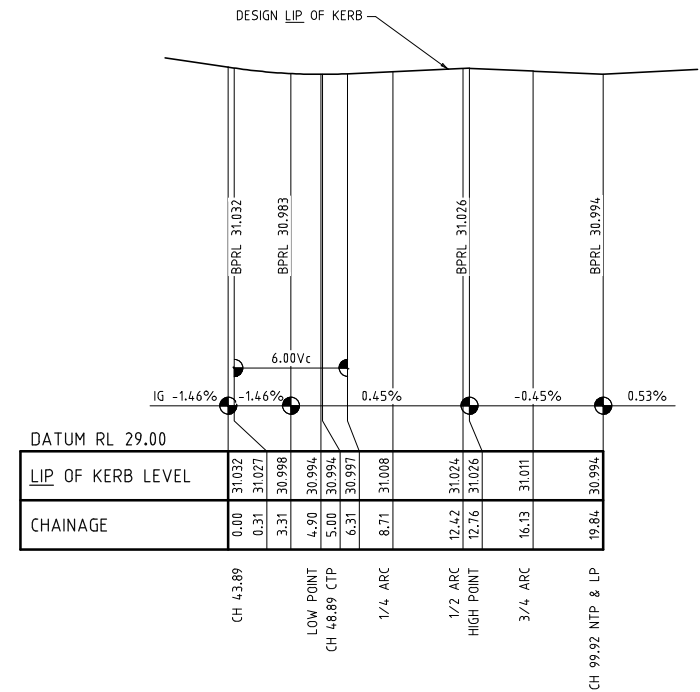
NOTE: ALL CURVE RADII LABELLED THIS - 1 ARE TO BACK OF KERB



LIP OF KERB LEVEL	CHAINAGE
30.858	0.00
30.883	3.71
30.916	7.42
30.951	11.13
30.979	14.84

SOUTH RETURN

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



LIP OF KERB LEVEL	CHAINAGE
31.032	0.00
31.027	0.31
30.998	3.31
30.994	4.90
30.994	5.00
30.994	6.31
31.008	8.71
31.024	12.42
31.026	12.76
31.011	16.13
30.994	19.84

NORTH RETURN

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

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

**Endorsed Plan
Planning Permit No: PP-1495-2018
Certification No: 16910
Sheet 9 of 14
Approved By Ryan White
Approved Date 26/03/2026**

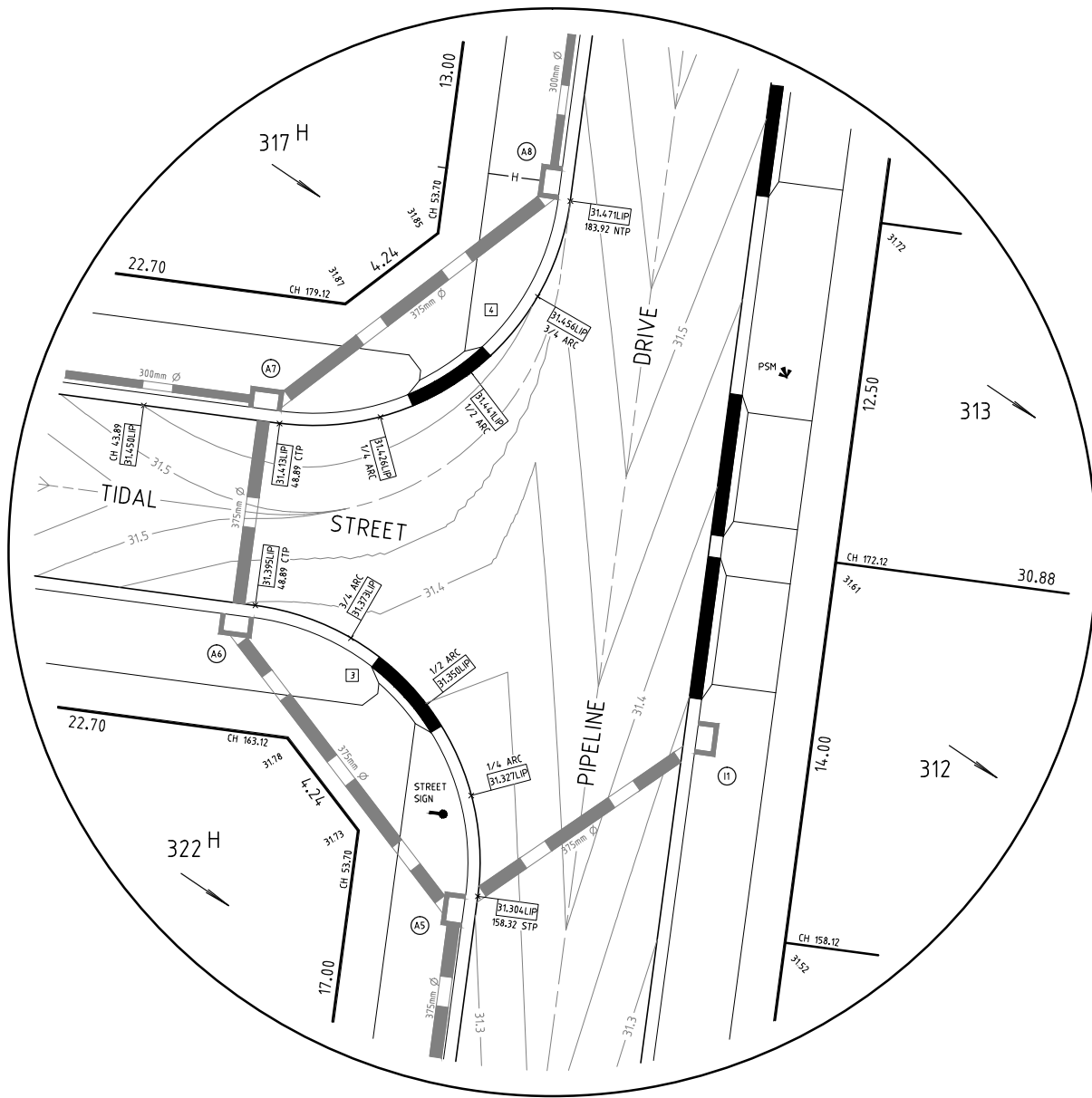
NOTE: THIS IS NOT A BUILDING APPROVAL

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
PIPELINE DRIVE (STH OF TIDAL ST)	1.90 W	NA	2.70 E	2.50 W	4.20
WIPEOUT STREET	1.90 S	NA	2.70 N	2.50 S	4.20

PLANNING PERMIT No 1495/2018

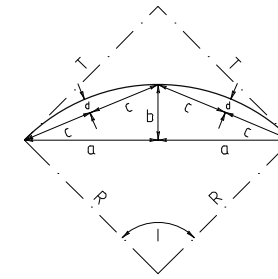
A1 AMENDMENTS 29.01.26 DATE 1: 200 4 2 0 0 4 8 12 1: 125 2.5 1.25 0 2.5 5 7.5 1: 20 0.4 0.2 0 0.4 0.8 1.2 METRES	REV 0 - FOR CONSTRUCTION DESCRIPTION	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	REGISTRATION No PE0006748	MUNICIPALITY GREATER GEELONG	
	DESIGNED P.J.B.	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE	REFERENCE 2509 ^E	SHEET 9 OF 14	
	DRAWN C.S.	SCALE AS SHOWN DATUM AHD DATE NOV '25	CHECKED		



INTERSECTION DETAIL

SCALE (A1) 1 : 125

CONTOUR INTERVAL 0.05 m



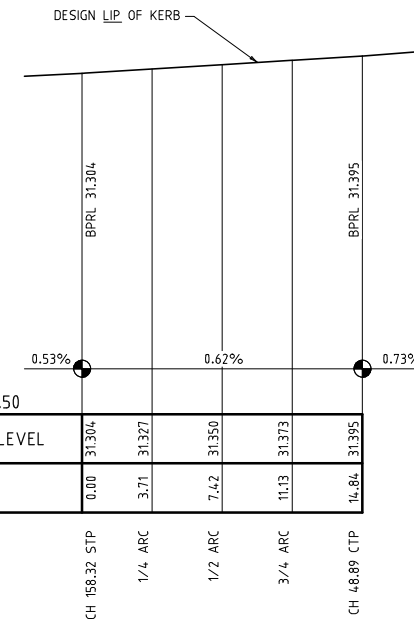
CURVE SETOUT DETAIL

(NOT TO SCALE)

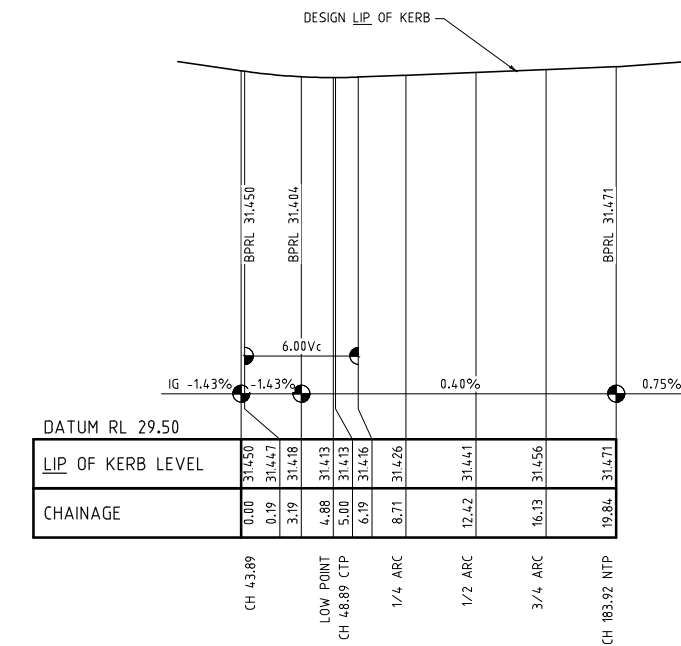
CURVE SETOUT TABLE

CURVE	RADIUS (m)	I	T	ARC	a	b	c	d
3	9.00	90°00'05"	9.00	14.137	6.364	2.636	3.444	0.685
4	9.00	89°59'55"	9.00	14.137	6.364	2.636	3.444	0.685

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



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



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

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

**Endorsed Plan
 Planning Permit No: PP-1495-2018
 Certification No: 16910
 Sheet 10 of 14
 Approved By Ryan White
 Approved Date 26/03/2026**

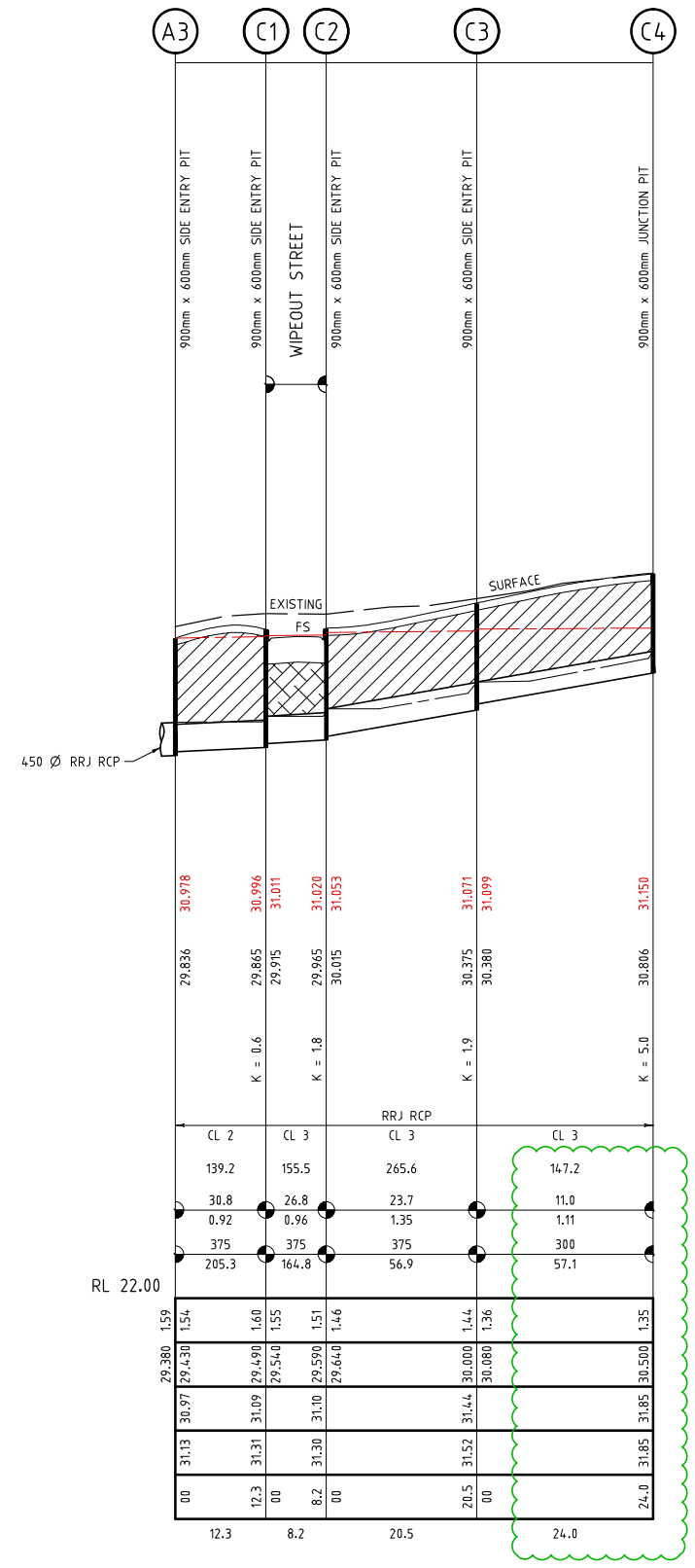
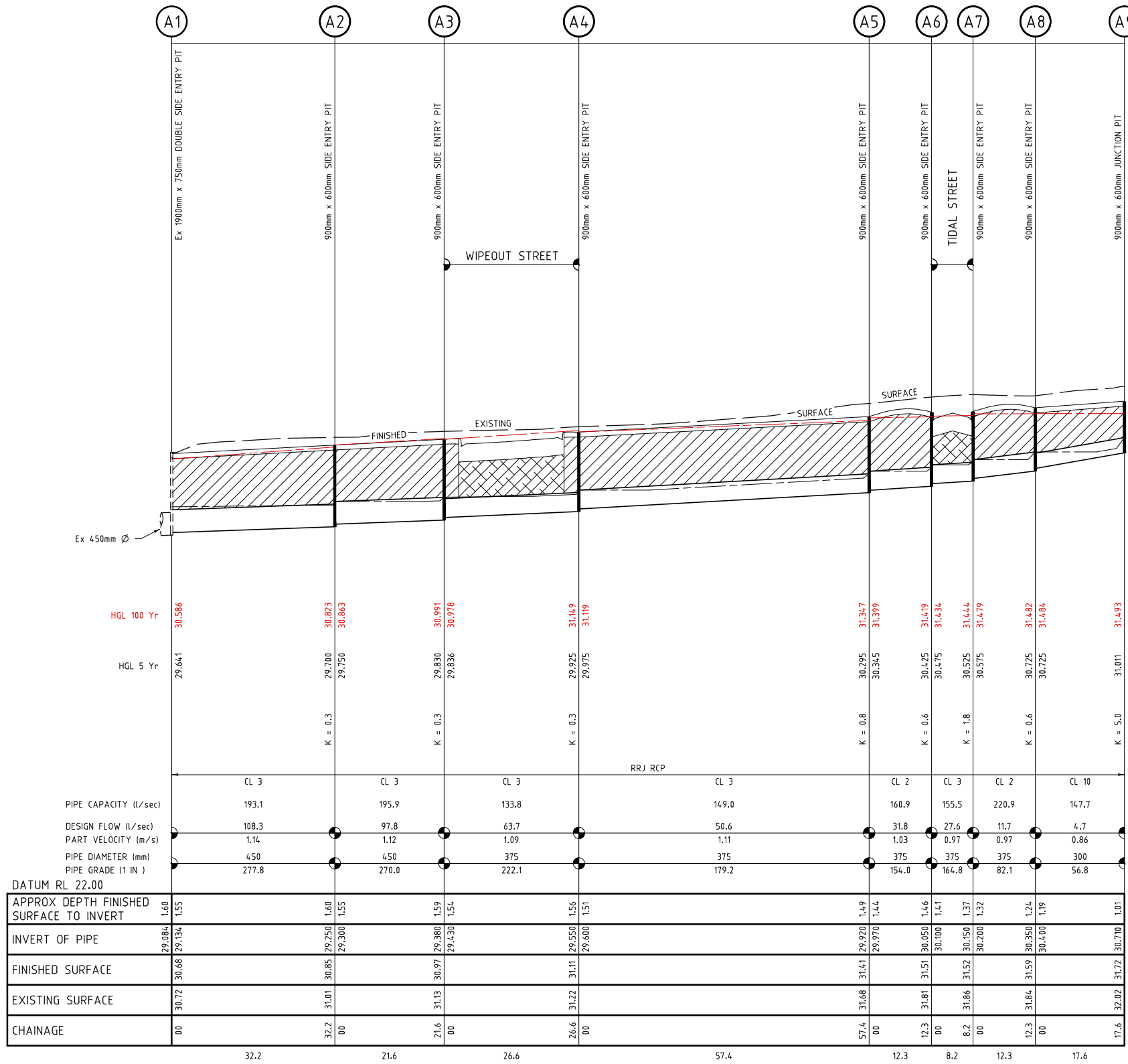
NOTE: THIS IS NOT A BUILDING APPROVAL

SERVICES LOCATION SCHEDULE

STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
PIPELINE DRIVE (STH OF TIDAL ST)	1.90 W	NA	2.70 E	2.50 W	4.20
PIPELINE DRIVE (INTH OF TIDAL ST)	1.90 E	NA	2.70W/3.80E	2.50 E	4.20
TIDAL STREET	1.90 S	NA	2.70 N	2.50 S	4.20

PLANNING PERMIT No 1495/2018

A1 AMENDMENTS 29.01.26 DATE 1: 200 1: 125 1: 20	REV 0 - FOR CONSTRUCTION DESCRIPTION 2.5 0.2 0 0.4 0.8 1.2 METRES	Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	REGISTRATION No PE0006748 DESIGNED P.J.B. DRAWN C.S. CHECKED	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE SCALE AS SHOWN DATUM AHD DATE NOV '25	MUNICIPALITY GREATER GEELONG REFERENCE 2509^E SHEET 10 OF 14
	DATE 29.01.26 DESCRIPTION REV 0 - FOR CONSTRUCTION		MUNICIPALITY GREATER GEELONG REFERENCE 2509^E SHEET 10 OF 14		



	A1	A2	A3	A4	A5	A6	A7	A8	A9
HGL 100 Yr	30.566	30.823	30.991	31.149	31.317	31.479	31.641	31.803	31.965
HGL 5 Yr	29.641	29.700	29.830	29.925	30.295	30.425	30.525	30.725	31.011
PIPE CAPACITY (L/sec)	193.1	195.9	133.8	149.0	160.9	155.5	220.9	147.7	
DESIGN FLOW (L/sec)	108.3	97.8	63.7	50.6	31.8	27.6	11.7	4.7	
PART VELOCITY (m/s)	1.14	1.12	1.09	1.11	1.03	0.97	0.97	0.86	
PIPE DIAMETER (mm)	450	450	375	375	375	375	300	300	
PIPE GRADE (1 IN 1)	277.8	270.0	222.1	179.2	154.0	164.8	82.1	56.8	
DATUM RL 22.00									
APPROX DEPTH FINISHED SURFACE TO INVERT	1.60	1.55	1.59	1.56	1.49	1.44	1.24	1.01	
INVERT OF PIPE	29.084	29.250	29.380	29.550	29.920	30.050	30.350	30.700	
FINISHED SURFACE	30.68	30.85	30.97	31.11	31.41	31.51	31.84	32.02	
EXISTING SURFACE	30.72	31.01	31.13	31.22	31.68	31.81	31.86	32.02	
CHAINAGE	00	32.2	00	21.6	00	26.6	00	57.4	00

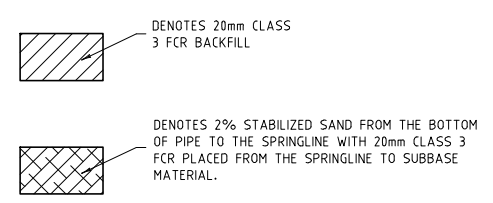
	A3	C1	C2	C3	C4
HGL 100 Yr	30.978	30.996	31.011	31.020	31.053
HGL 5 Yr	29.836	29.865	29.915	29.965	30.015
PIPE CAPACITY (L/sec)	139.2	155.5	265.6	147.2	
DESIGN FLOW (L/sec)	30.8	26.8	23.7	11.0	
PART VELOCITY (m/s)	0.92	0.96	1.35	1.11	
PIPE DIAMETER (mm)	375	375	375	300	
PIPE GRADE (1 IN 1)	205.3	164.8	56.9	57.1	
DATUM RL 22.00					
APPROX DEPTH FINISHED SURFACE TO INVERT	1.54	1.55	1.51	1.44	1.35
INVERT OF PIPE	29.380	29.490	29.540	30.000	30.500
FINISHED SURFACE	30.977	31.09	31.10	31.44	31.85
EXISTING SURFACE	31.13	31.31	31.30	31.52	31.85
CHAINAGE	00	12.3	00	8.2	00

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**Endorsed Plan
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Sheet 11 of 14
Approved By Ryan White
Approved Date 26/03/2026**

NOTE: THIS IS NOT A BUILDING APPROVAL

DRAINAGE



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

LONGITUDINAL

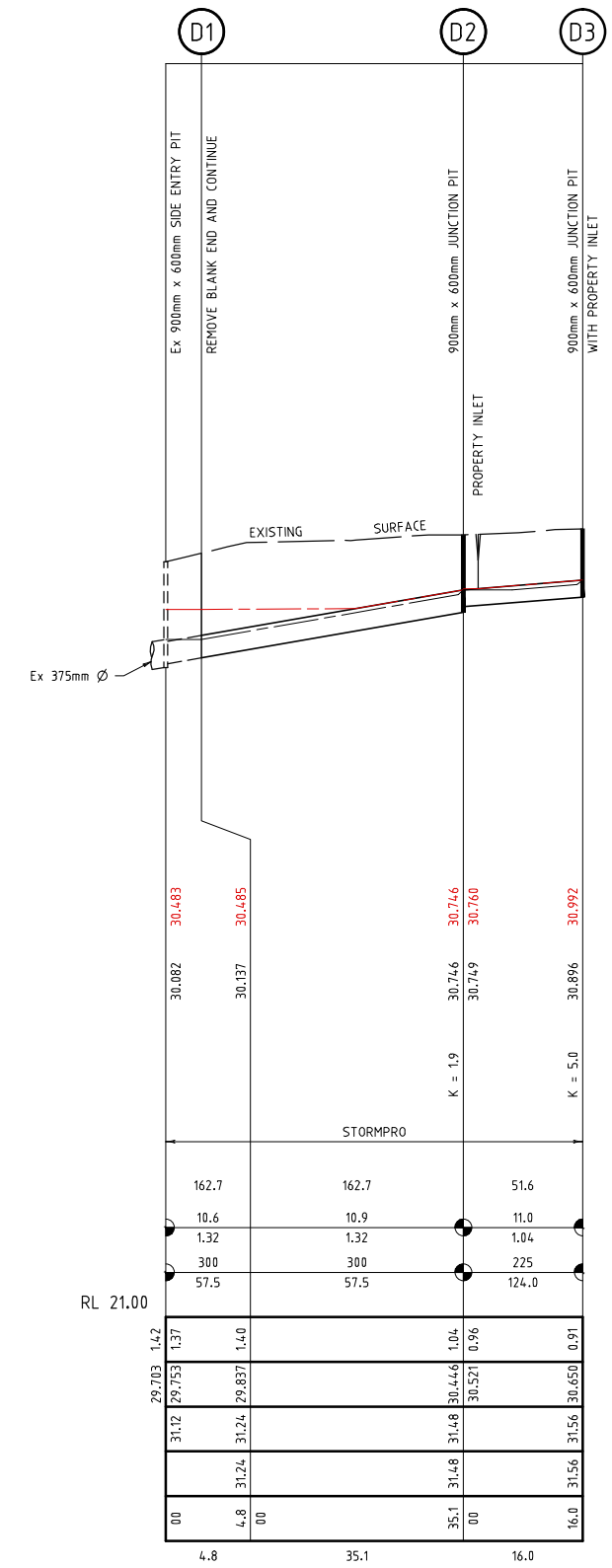
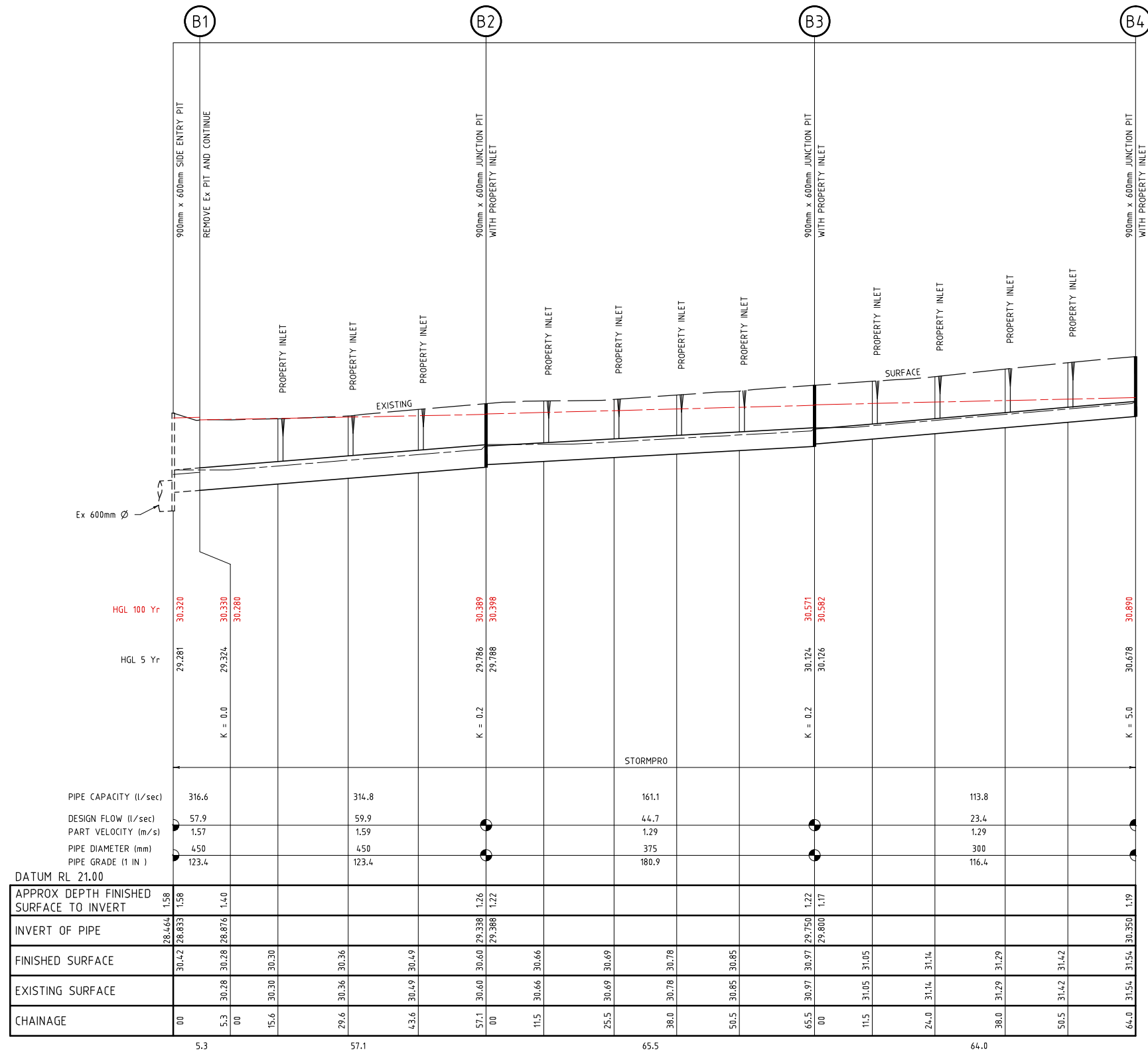
SCALES - HORIZ. 1 : 500
VERT. 1 : 50

SECTIONS

Rev 1

AMENDMENTS 17.03.26 REV 1 - AMENDED 'C' LINE 29.01.26 REV 0 - FOR CONSTRUCTION		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
REGISTRATION No PE0006748		KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE	
DESIGNED P.J.B. DRAWN C.S. CHECKED		MUNICIPALITY GREATER GEELONG REFERENCE 2509 ^E	
DATE DESCRIPTION		SCALE AS SHOWN DATUM AHD DATE NOV '25	
1 : 500 0 5 10 20 30 METRES 1 : 50 1 0.5 0 1 2 3		SHEET 11 OF 14	

PLANNING PERMIT No 1495/2018



DRAINAGE

LONGITUDINAL

SECTIONS

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

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

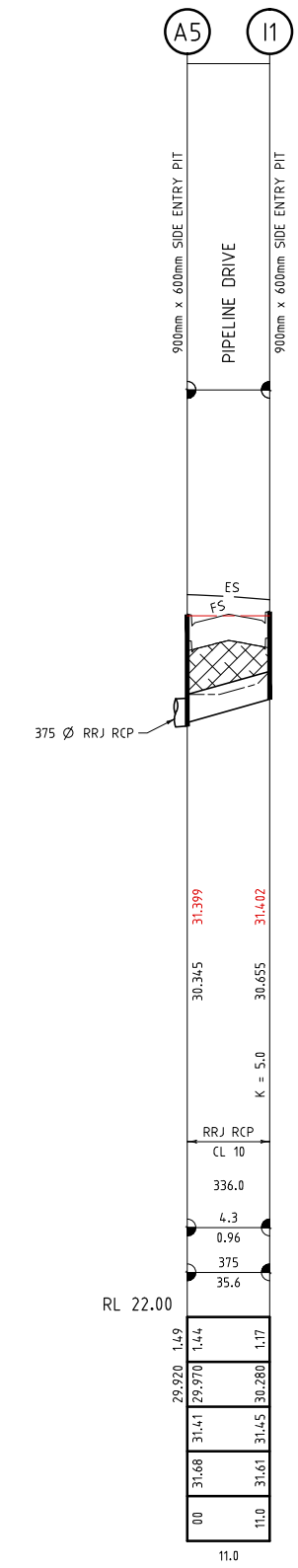
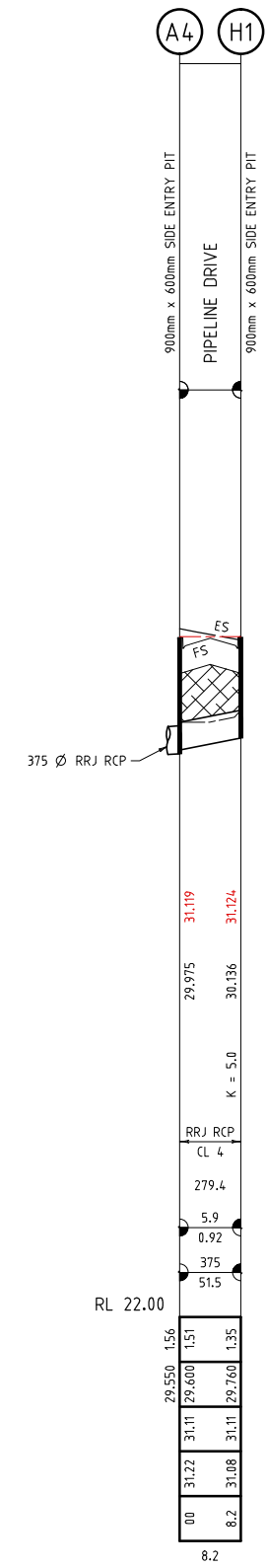
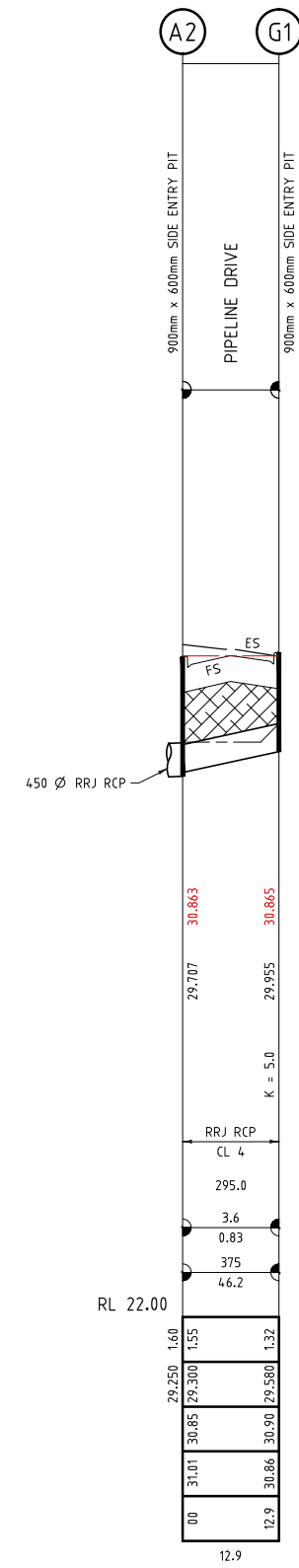
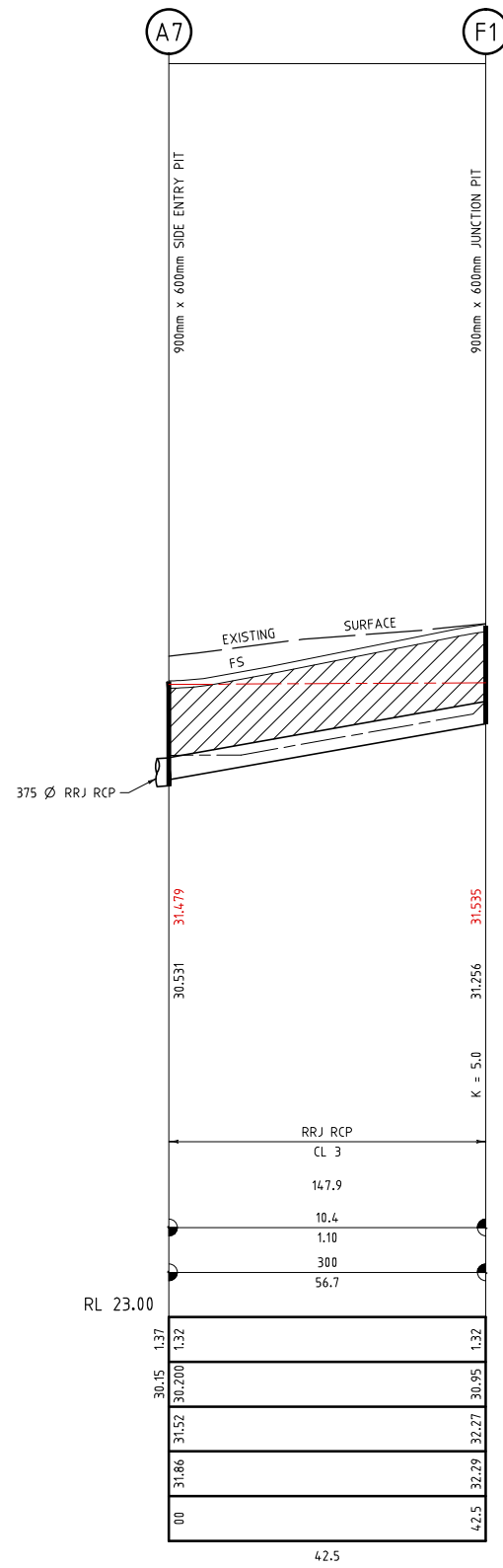
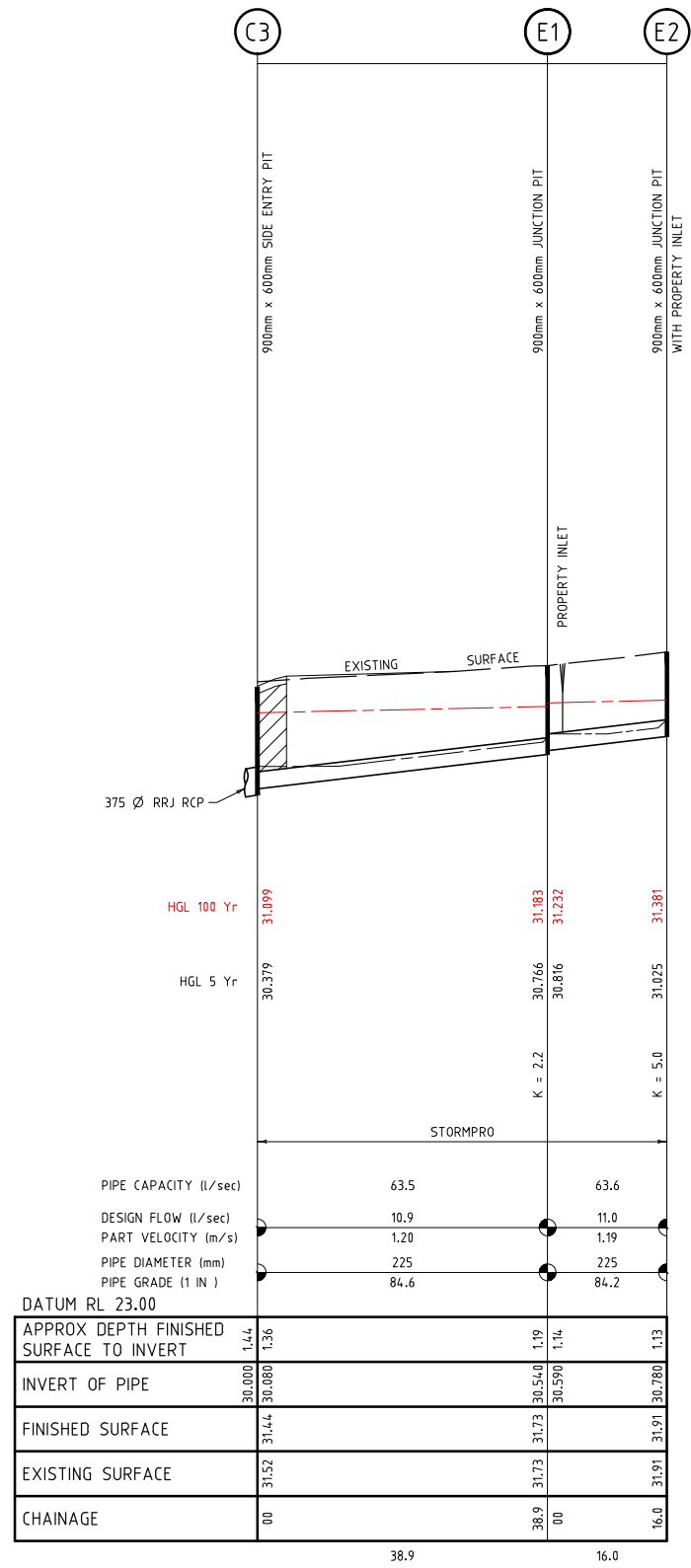
**Endorsed Plan
Planning Permit No: PP-1495-2018
Certification No: 16910
Sheet 12 of 14
Approved By Ryan White
Approved Date 26/03/2026**

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

PLANNING PERMIT No 1495/2018

AMENDMENTS 29.01.26 REV 0 - FOR CONSTRUCTION		Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799	
REGISTRATION No PE0006748	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE		MUNICIPALITY GREATER GEELONG
DESIGNED P.J.B.	DRAWN C.S.		REFERENCE 2509 ^E
DATE 29.01.26	DESCRIPTION REV 0 - FOR CONSTRUCTION	CHECKED SCALE AS SHOWN DATUM AHD DATE NOV '25	SHEET 12 OF 14

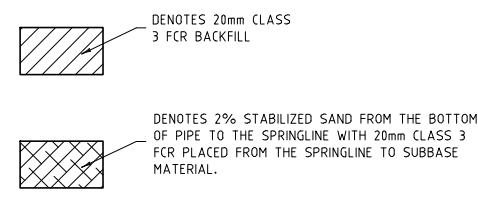


DRAINAGE

LONGITUDINAL

SECTIONS

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



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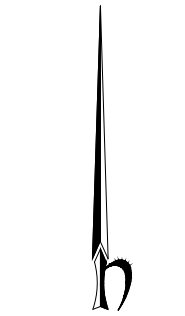
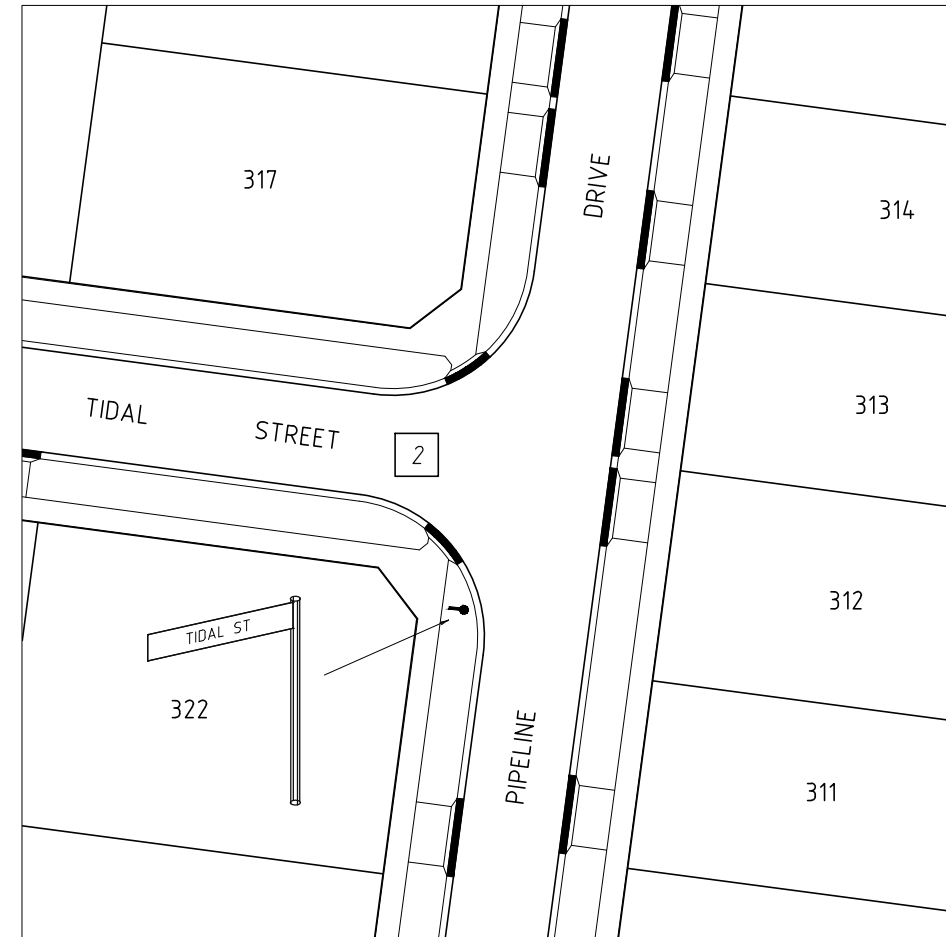
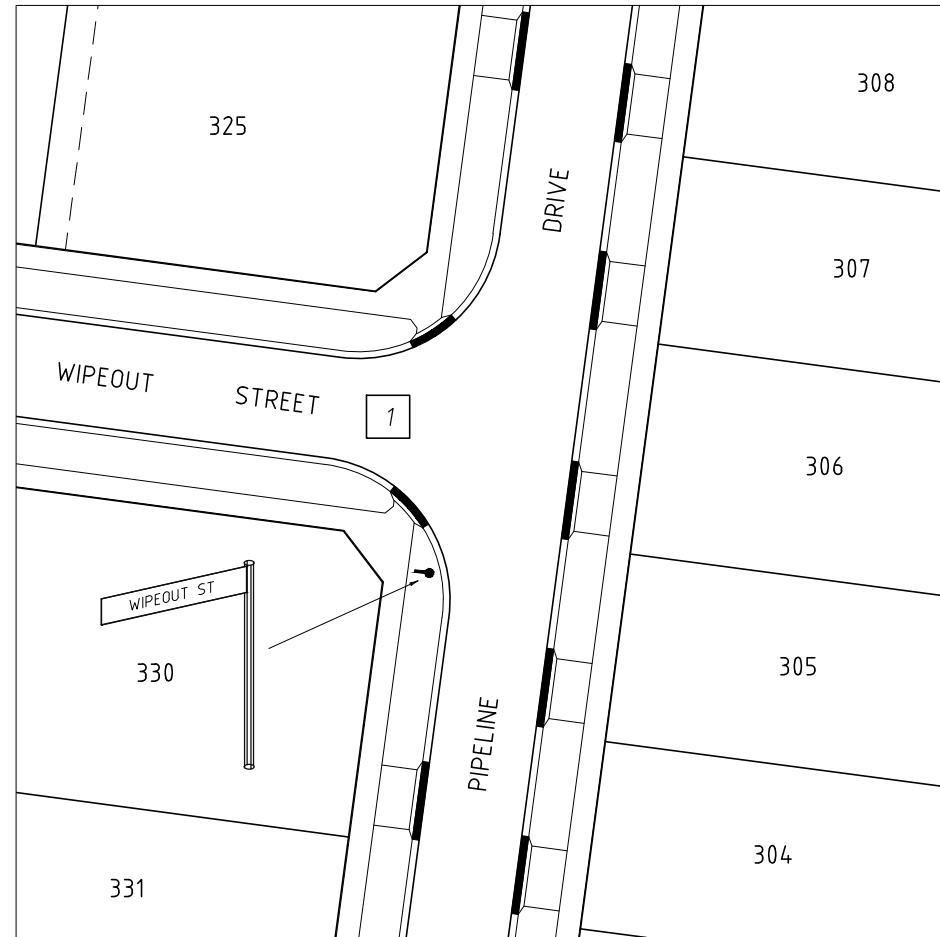
**GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME**

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PLANNING PERMIT No 1495/2018

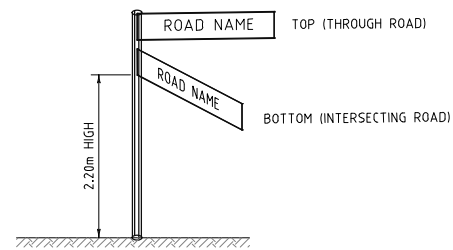
Peter Berry & Associates Pty. Ltd. Civil Engineers 153 Yarra Street Geelong Victoria 3220 Telephone: 5223 2799		REGISTRATION No PE0006748 DESIGNED P.J.B. DRAWN C.S. CHECKED	KINGSTON HAVEN ESTATE STAGE 3 OCEAN GROVE SCALE AS SHOWN DATUM AHD DATE NOV '25	MUNICIPALITY GREATER GEELONG REFERENCE 2509^E SHEET 13 OF 14
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DETAIL PLANS
SCALE (A1) 1 : 250

SIGN LEGEND

1	WIPEOUT ST	1 No
2	TIDAL ST	1 No



DUAL STREET SIGN DETAIL
(NOT TO SCALE)

**GREATER GEELONG CITY COUNCIL
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GREATER GEELONG PLANNING SCHEME**

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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.

PLANNING PERMIT No 1495/2018

AMENDMENTS	29.01.26	REV 0 - FOR CONSTRUCTION	Peter Berry & Associates Pty. Ltd. Civil Engineers REGISTRATION No PE0006748 DESIGNED P.J.B DRAWN C.S. CHECKED	KINGSTON HAVEN ESTATE STAGE 3 STREET SIGNS & LINEMARKING PLAN SCALE AS SHOWN DATUM AHD DATE NOV '25	MUNICIPALITY GREATER GEELONG REFERENCE 2509^E SHEET 14 OF 14
	DATE	DESCRIPTION			

153 Yarra Street
Geelong Victoria 3220
Telephone: 5223 2799