

Kingston Downs Estate - Stage 34 Ocean Grove

NOTES:

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

SITE MANAGEMENT.

- 3 ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED CONSTRUCTION MANAGEMENT PLAN.
- 4 ALL TREES, SHRUB etc. ARE TO BE RETAINED UNLESS OTHERWISE INDICATED.
- 5 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.
- 6 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.

<u>GENERAL</u>

- 7 THE CONTRACTOR SHALL:
 - a) GIVE 48 HOURS NOTICE IN WRITING TO COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORKS
 - b) NOTIFY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE 24 HOURS PRIOR TO WORKING ON ANY WEEKEND.
 - c) BE FULLY AWARE OF ALL SITE CONDITIONS PRIOR TO TENDERING.
 - d) BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SERVICES.
 - e) BE RESPONSIBLE FOR THE INSTALLATION OF ALL SERVICES REQUIRED FOR THE PROJECT.
 - f) 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.
 - g) 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.
 - h) 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
 - COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY (CONFIED SPACES) REGULATIONS AND CODE OF PRACTICE FOR CONFINED SPACES.
 - j) 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.
- 8 EXISTING CONSTRUCTION WORKS ARE TO BE CHECKED BY COUNCIL 48hrs PRIOR TO COMMENCEMENT OF ANY FUTURE PAYEMENT 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, OTHERMISE THE CONTRACTOR WILL BE HELD LIBBLE.
- 9 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.
- 10 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.
- 11 EXISTING SURFACE LEVELS ARE SHOWN THUS: **

12 ALL DIMENSIONS ARE IN METRES AND LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).

DU Y DIMUDEC

- 13 SUBSOIL DRAINS ARE TO BE CONSTRUCTED BEHIND THE KERB AND CHANNEL OR AS DIRECTED BY THE COGG SURDIVISIONS FINANCER OF REPORTS ATTIVE
- 14 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.
- 15 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 125mm INTERVALS IN ACCORDANCE WITH COGG STANDARD DRAWNISS
- 16 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.
- 17 CONCRETE FOR KERB AND CHANNEL USED IN EXTRUSION MACHINES SHALL HAVE A MINIMUM CEMENT CONTENT OF
- 18 CONCRETE FOR STORMWATER PITS IS TO HAVE A MINIMUM STRENGTH OF 32Mpa AT 28 DAYS.
- 19 CONCRETE FOR ALL OTHER APPLICATIONS IS TO HAVE A MINIMUM STRENGTH OF 25Mpa AT 28 DAYS.
- 20 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.
- 21 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.
- 22 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 95% 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.
- 23 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
- 24 BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 5 FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE
- 25 AS PART OF CIVIL WORKS, ROUNDED-TOPPED TREATED PINE BOLLARDS (0.6m HIGH) ARE TO BE PLACED ACROSS THE FRONTAGE OF RESERVE 1 AT 15m CENTRES WITH A LOCKED/REMOVABLE BOLLARD CENTRAL TO THE PATH FOR MAINTENANCE ACCESS (REFER TO COUNCIL STANDARD DRAWING CGG701).
- 26 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.
- 27 'NO THROUGH ROAD' SIGN IS TO BE INSTALLED BELOW THE STREET SIGN WHERE APPLICABLE.
- 28 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.
- 29 GAS CONDUITS ARE 50mm HEAVY DUTY PVC AND ARE TO EXTEND FROM THE POINT OF SUPPLY TO AT LEAST 500mm BEYOND THE PROPERTY BOUNDARY.
- 30 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.

- 31 WHERE LINE MARKING NEEDS TO BE REMOVED, THESE LINES ARE TO BE PERMANENTLY REMOVED EITHER BY GRINDING THE COLD LINES OFF OR BY PLACING A SEAL AND GRIT TREATMENT (USING THE "FLOCON" SYSTEM) OVER THE UNWANTED LINES.
- 32 LOT NUMBERS SHALL BE STENCILLED IN 50mm HIGH FIGURES WITH WHITE PAINT ON THE FACE OF THE KERB AND CHANNEL.

DRAINAGE:

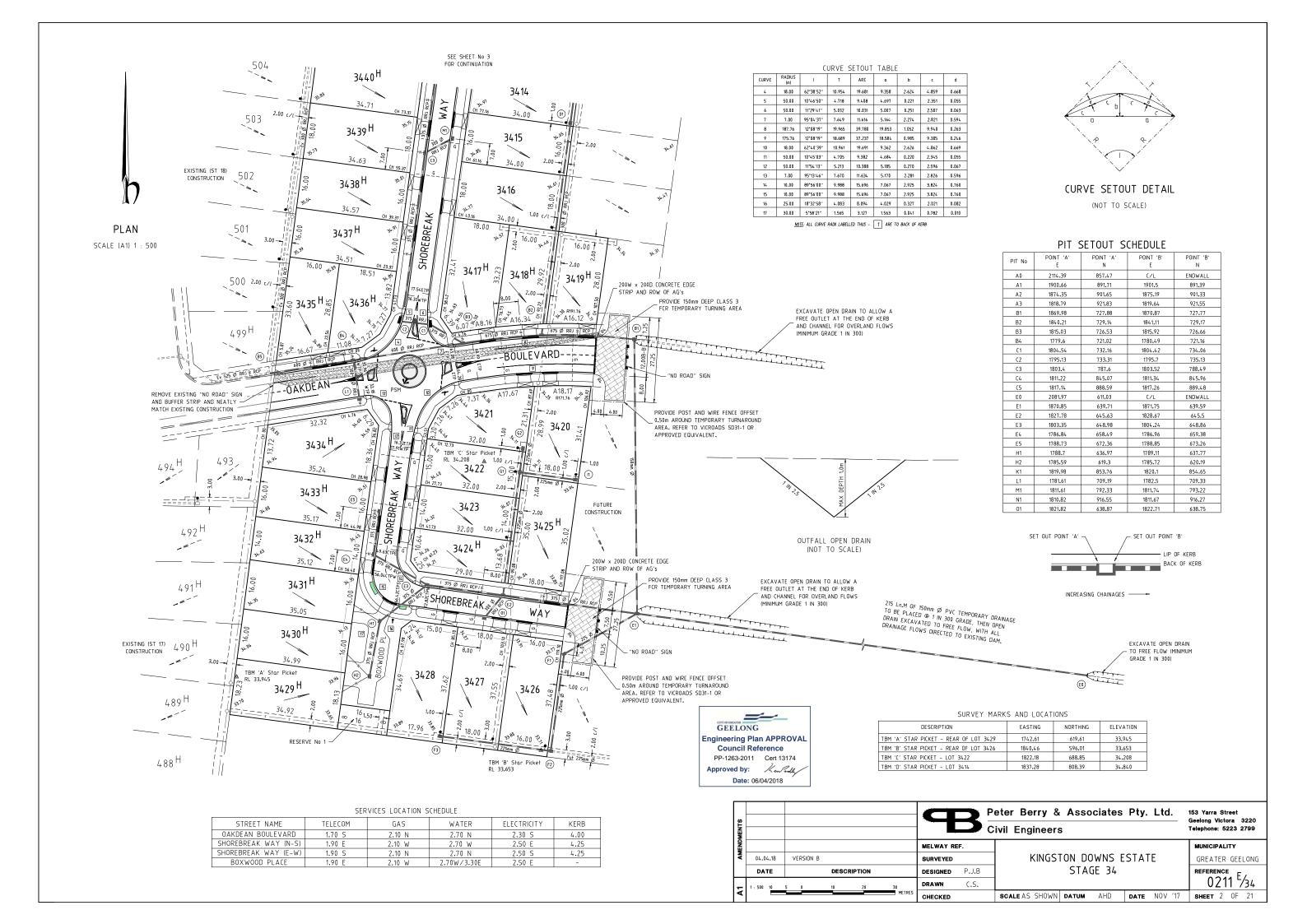
- 33 PIPE DRAINAGE WITHIN ROADWAYS TO BE REINFORCED CONCRETE PIPES CLASS 2 UNLESS OTHERWISE SHOWN.
- 34. ALL REINFORCED CONCRETE PIPES ARE TO BE RUBBER RING JOINTED
- 35 PIPES IN EASEMENTS ARE TO BE RUBBER RING JOINTED OR UPVC SEWER CLASS (SH UPVC UP TO 3.0m DEPTH OR SEH UPVC GREATER THAN 3.0m DEPTH) PIPES WITH SOLVENT CEMENT JOINTS. TRENCHES ARE TO BE BACKFILLED WITH COMPACTED CLAY UNLESS OTHERWISE SHOWN.
- 36 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.
- 37 ALL PITS ARE TO BE SET OUT FROM SURVEY CO-ORDINATES USING SET OUT POINTS DETAILED IN THE COGG STANDARD DRAWINGS.
- 38 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.
- 39 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.
- 40 PIPEWORK AT ALL PITS TO BE WELL ALIGNED TO ENSURE FLOW IS GUIDED TO OUTLET PIPE eg. NOT —
- 41 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.
- 42 PROPERTY INLET PITS ARE SHOWN THUS: AND ARE TO BE LOCATED 1m FROM THE LOW CORNER UNLESS OTHERWISE SHOWN.
- 43 LOTS DENOTED THUS: 340 ^H are to be provided with a 100mm diameter class 6 pvc socketed pipe house drain located 60m from the low corner of the lot unless otherwise shown and shall be connected directly to underground drains where available.
- 44 HOUSE DRAINS ARE TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE AT THE LOT BOUNDARY UNLESS OTHERWISE SHOWN.
- 45 EASEMENT DRAIN CONNECTION TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE UNLESS OTHERWISE SHOWN.
- 46 WHEN USING 150mm DIAMETER UPVC PIPES ALL HOUSE DRAINS ARE TO BE CONNECTED USING STANDARD T-PIECE FITTINGS
- 47 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.
- 48 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.
- 49 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.
- 50 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.
- 51 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 BAS (REFER SD00301). IN THIS INSTANCE PARTICULAR NOTE OF WALL THICKNESSES IS TO BE MADE AND ADHERED TO.
- 52 ALL SEWER MANHOLES LOCATED WITHIN FOOTPATHS ARE TO BE POSITIONED AND ROTATED SO THAT THEY ARE PLACED CENTRALLY WITHIN THE FOOTPATH TO PREVENT CRACKING.
- 53 ALL DRAINAGE PITS ARE TO BE FITTED WITH TERRA-FIRMA PIT LIDS

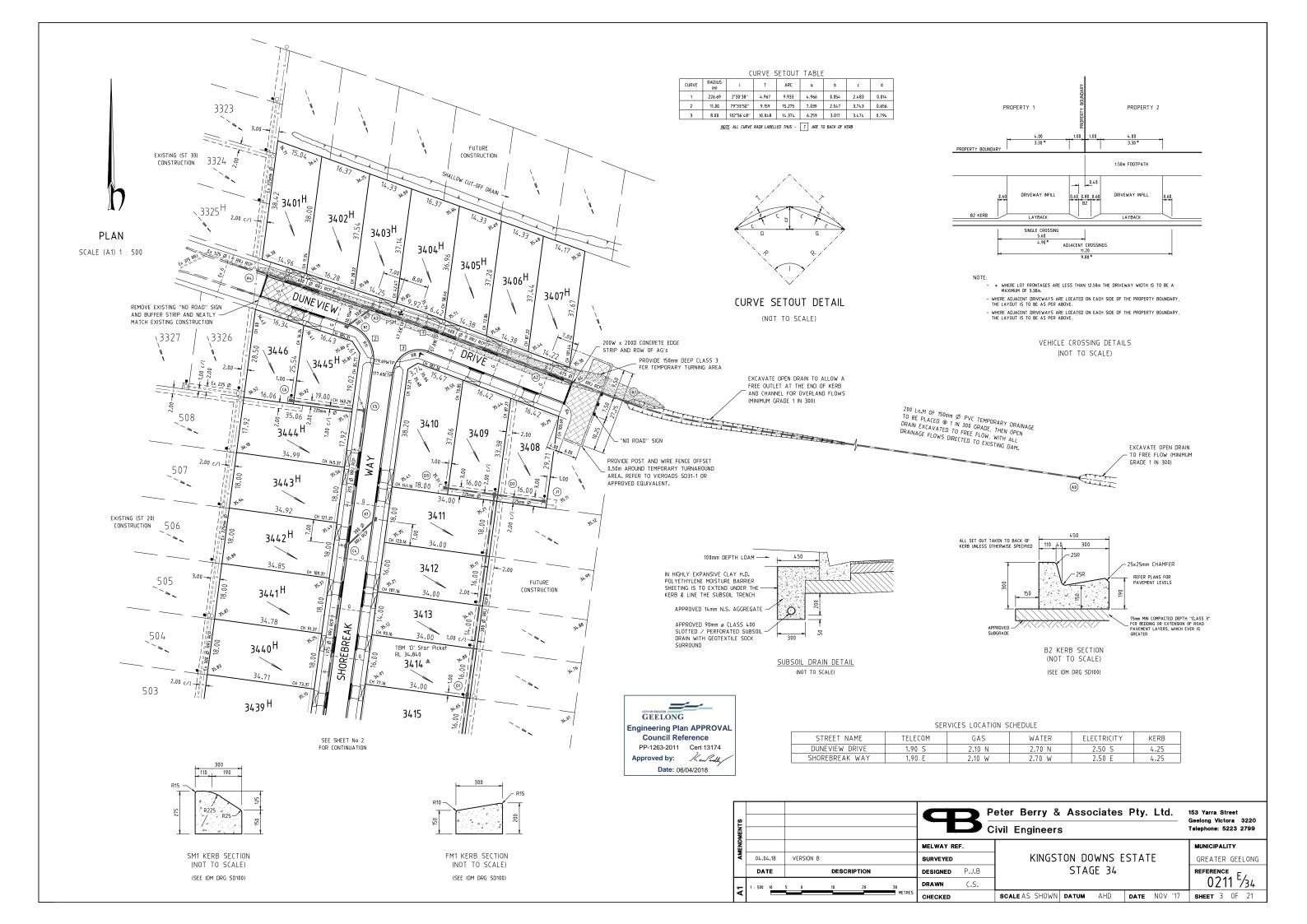
SHEET INDEX

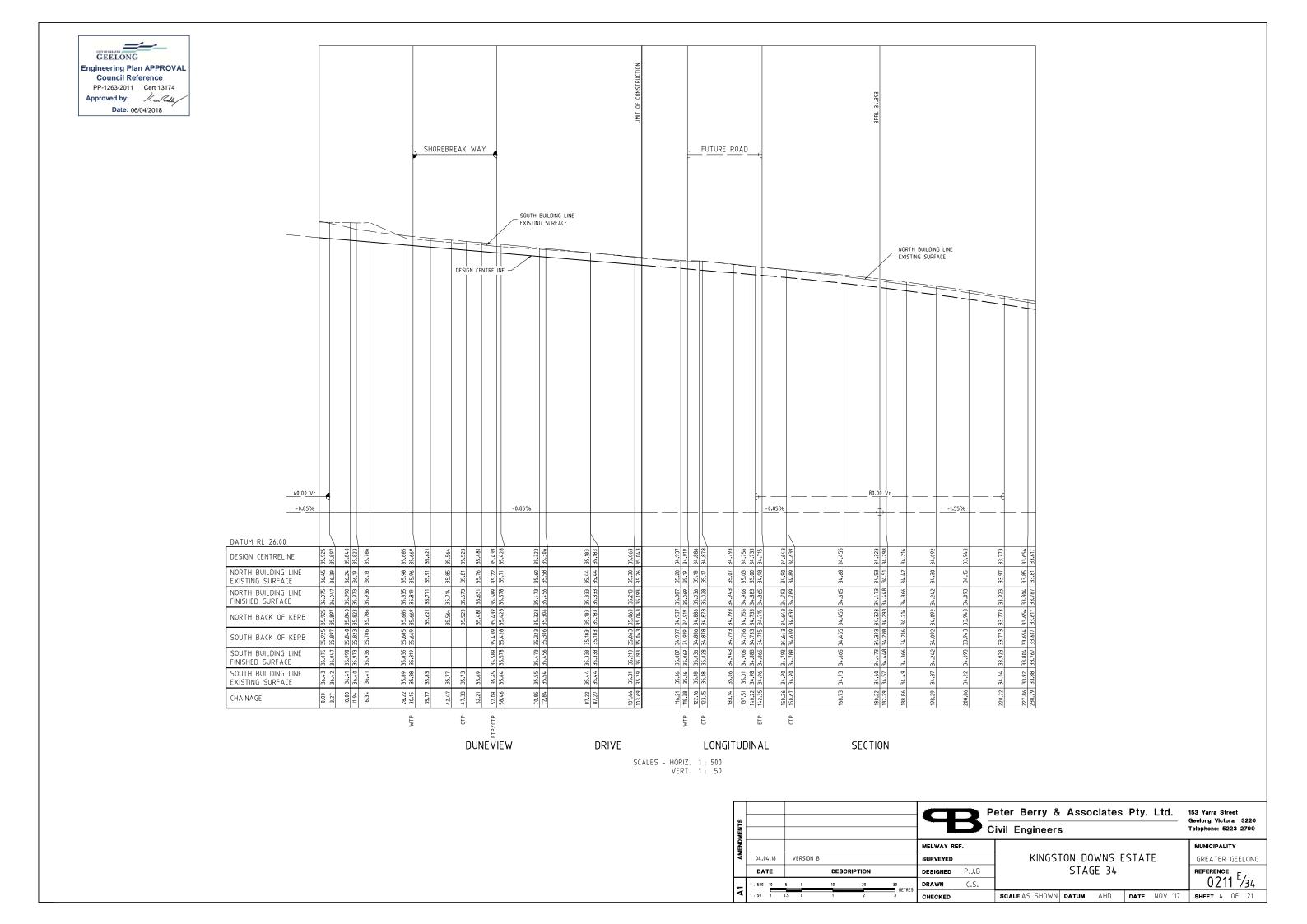
SHEET No.	DESCRIPTION
1	GENERAL NOTES.
2	FACEPLAN, SERVICES AND PIT SETOUT SCHEDULE.
3	FACEPLAN AND SERVICES SCHEDULE.
4	DUNEVIEW DRIVE LONGITUDINAL SECTION.
5	DUNEVIEW DRIVE CROSS SECTIONS.
6	OAKDEAN BOULEVARD LONGITUDINAL SECTION.
7	OAKDEAN BOULEVARD CROSS SECTIONS.
8	SHOREBREAK WAY (NORTH) LONGITUDINAL SECTION.
9	SHOREBREAK WAY (NORTH) CROSS SECTIONS.
10	SHOREBREAK WAY (SOUTH) LONGITUDINAL SECTION.
11	SHOREBREAK WAY (SOUTH) CROSS SECTIONS.

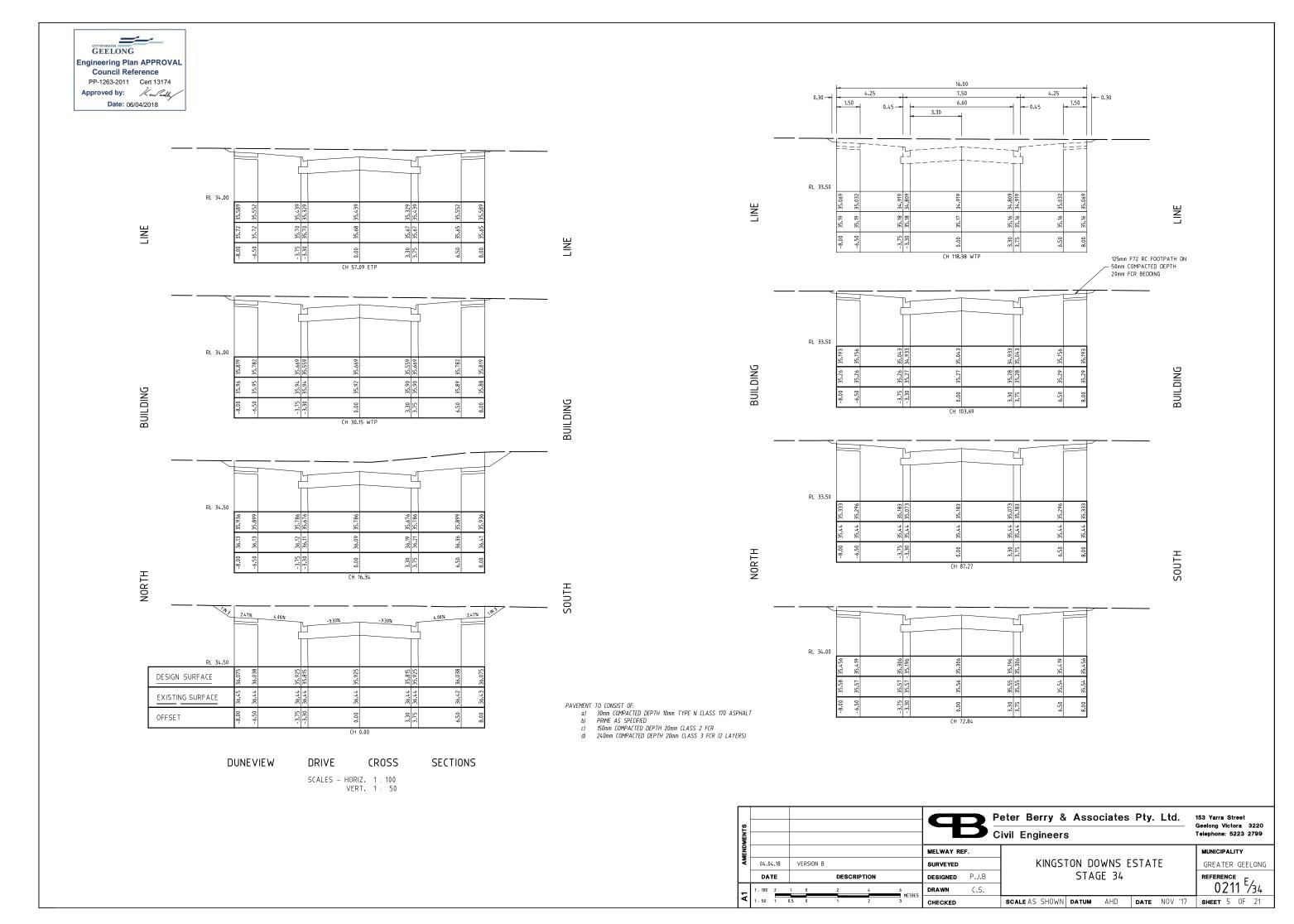
SHEET No.	DESCRIPTION
12	SHOREBREAK WY/DUNEVIEW DR INTERSECTION DETAIL - (1:125) & PIT SCHEDULE.
13	OAKDEAN BOULEVARD/SHOREBREAK WAY ROUNDABOUT DETAIL (1:125).
14	SHOREBREAK WAY/BOXWOOD PLACE CONCRETE ROAD DETAIL.
15	DRAINAGE LONGITUDINAL SECTIONS ('A' & 'B1-E1 OUTLET' LINES).
16	DRAINAGE LONGITUDINAL SECTION ('B' & 'D LINES).
17	DRAINAGE LONGITUDINAL SECTION ('C' & 'F' LINES).
18	DRAINAGE LONGITUDINAL SECTIONS ('E', 'G', 'H' & 'I' LINES INCLUSIVE).
19	DRAINAGE LONGITUDINAL SECTIONS ('J'-'O' LINES) INCLUSIVE.
20	STREET SIGNS & LINEMARKING PLAN
21	PLAN OF SUBDIVISION

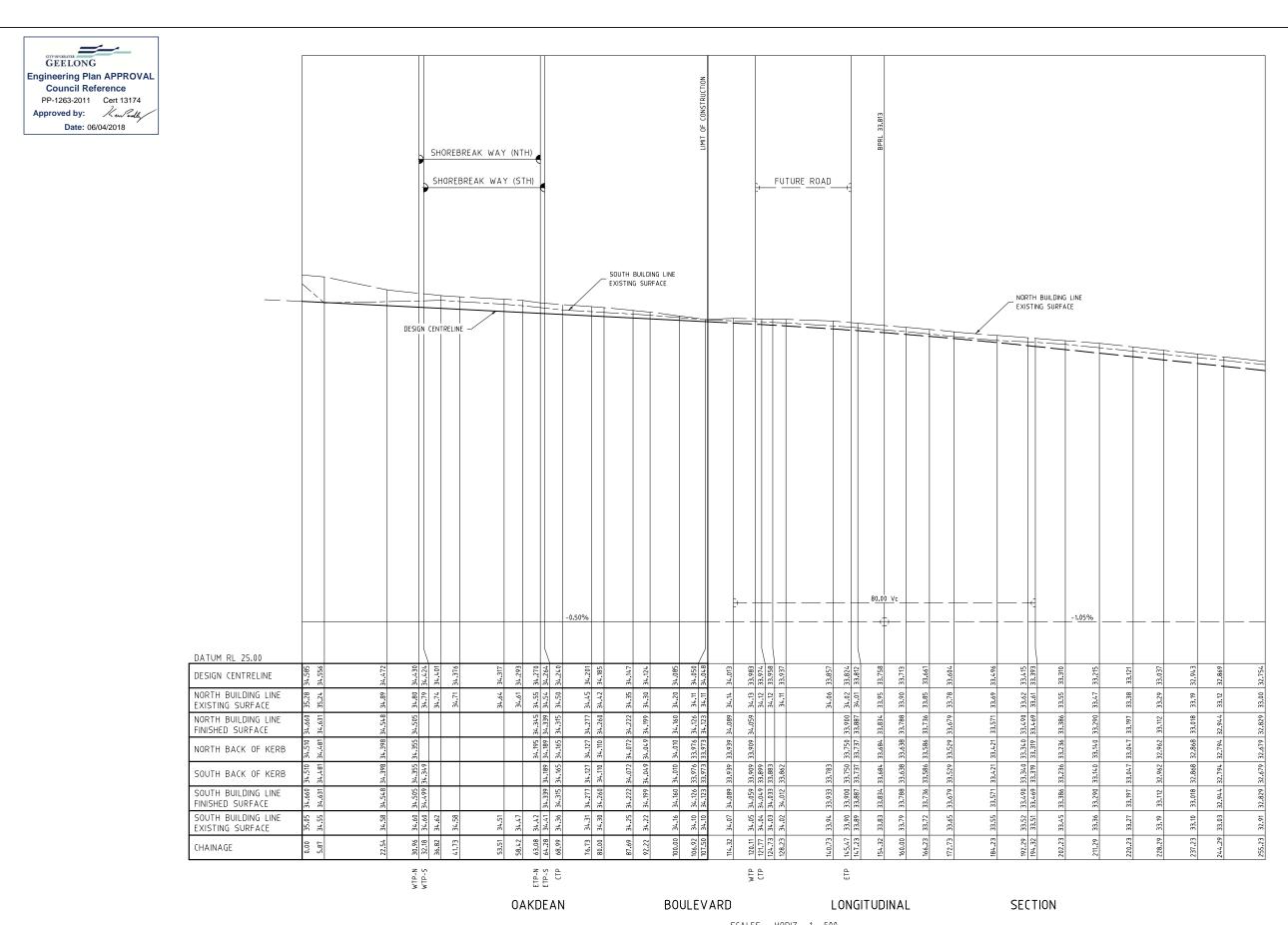
AMENDMENTS			9	- -	eter Berry & Associa	ntes Pty. Ltd.	153 Yarra Street Geelong Victora 3220 Telephone: 5223 2799
			MELWAY RE	F.			MUNICIPALITY
Ā	04.04.18	VERSION B	SURVEYED	SURVEYED KINGSTON DOWNS ESTATE			GREATER GEELONG
	DATE	DESCRIPTION	DESIGNED	P.J.B	STAGE	34	REFERENCE F
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A1			CHECKED		SCALE AS SHOWN DATUM A	DATE NOV '17	SHEET 1 OF 21





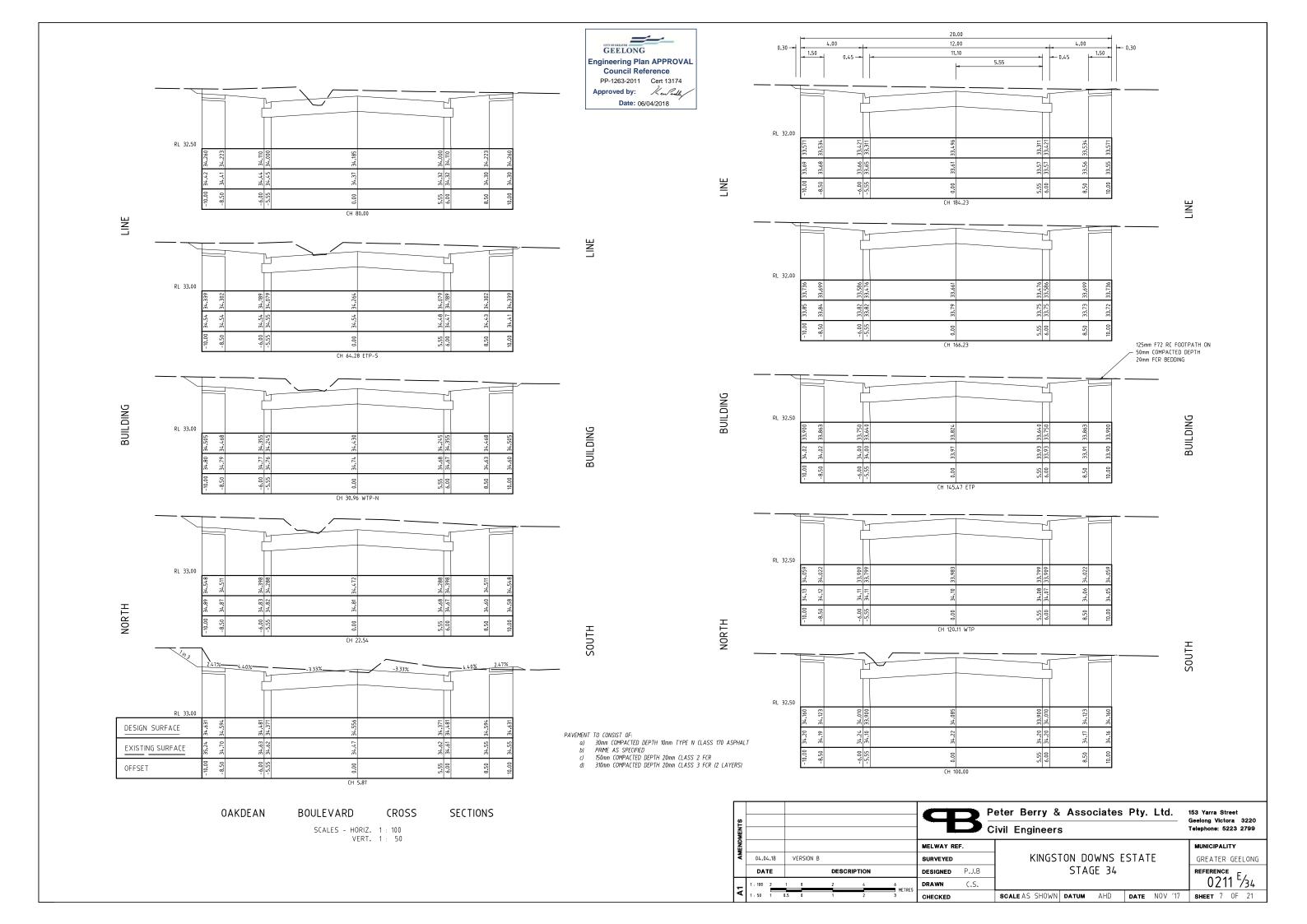






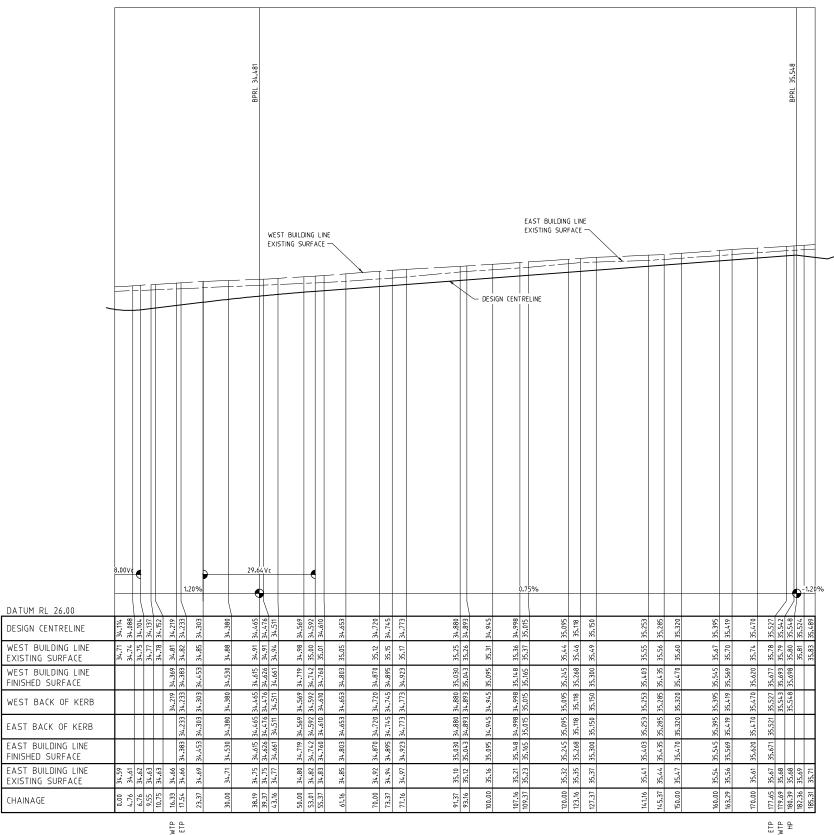
SCALES - HORIZ. 1 : 500 VERT. 1 : 50

MENTS						Peter Berry & Associates Pty. Ltd. Civil Engineers				Ltd.	153 Yarra Street Geelong Victora 3220 Telephone: 5223 2799		
E						MELWAY RE	F.						MUNICIPALITY
4	04.04.18	VERSION B				SURVEYED		KINGSTON DOWNS ESTATE				E	GREATER GEELONG
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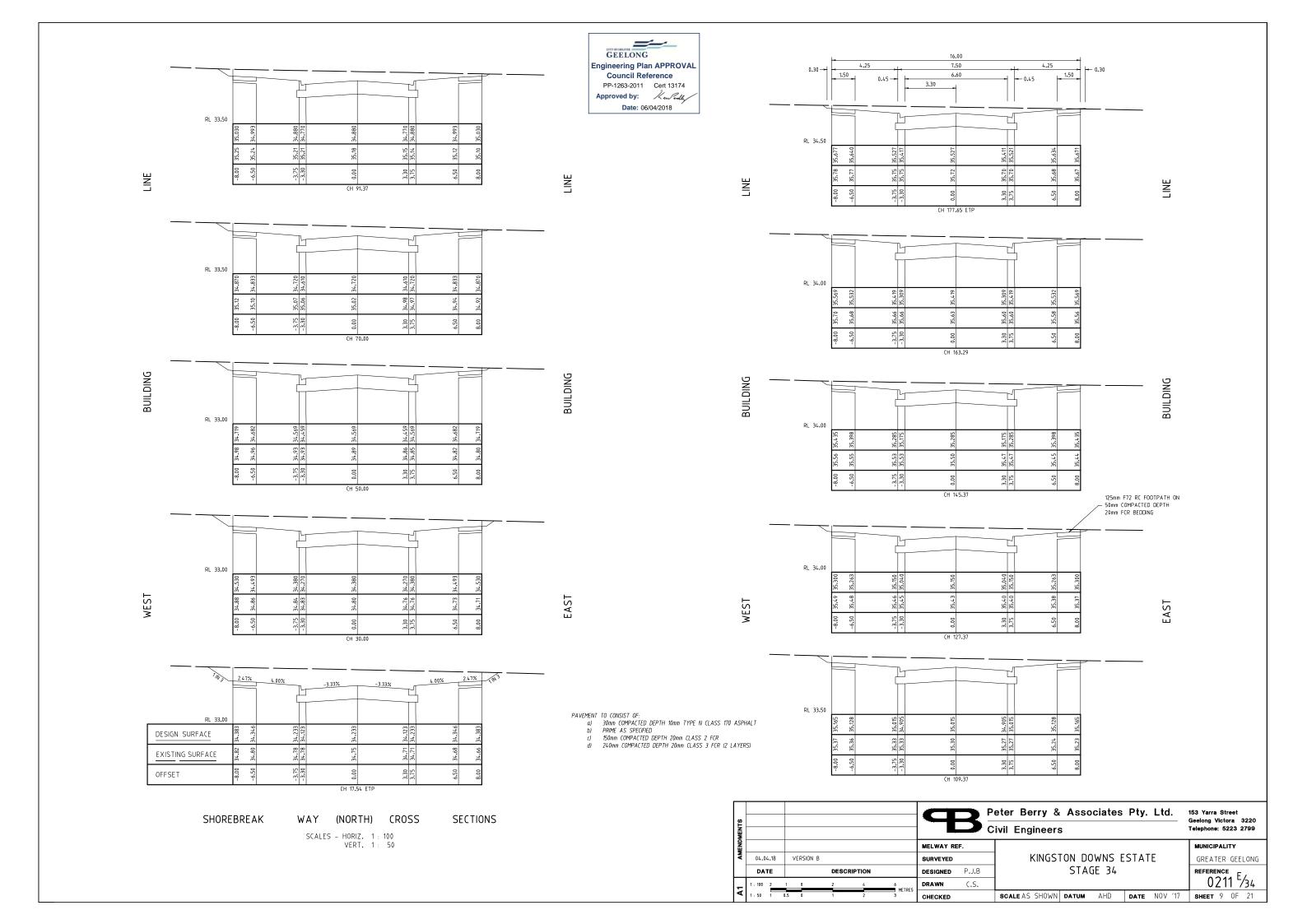
CHAINAGE

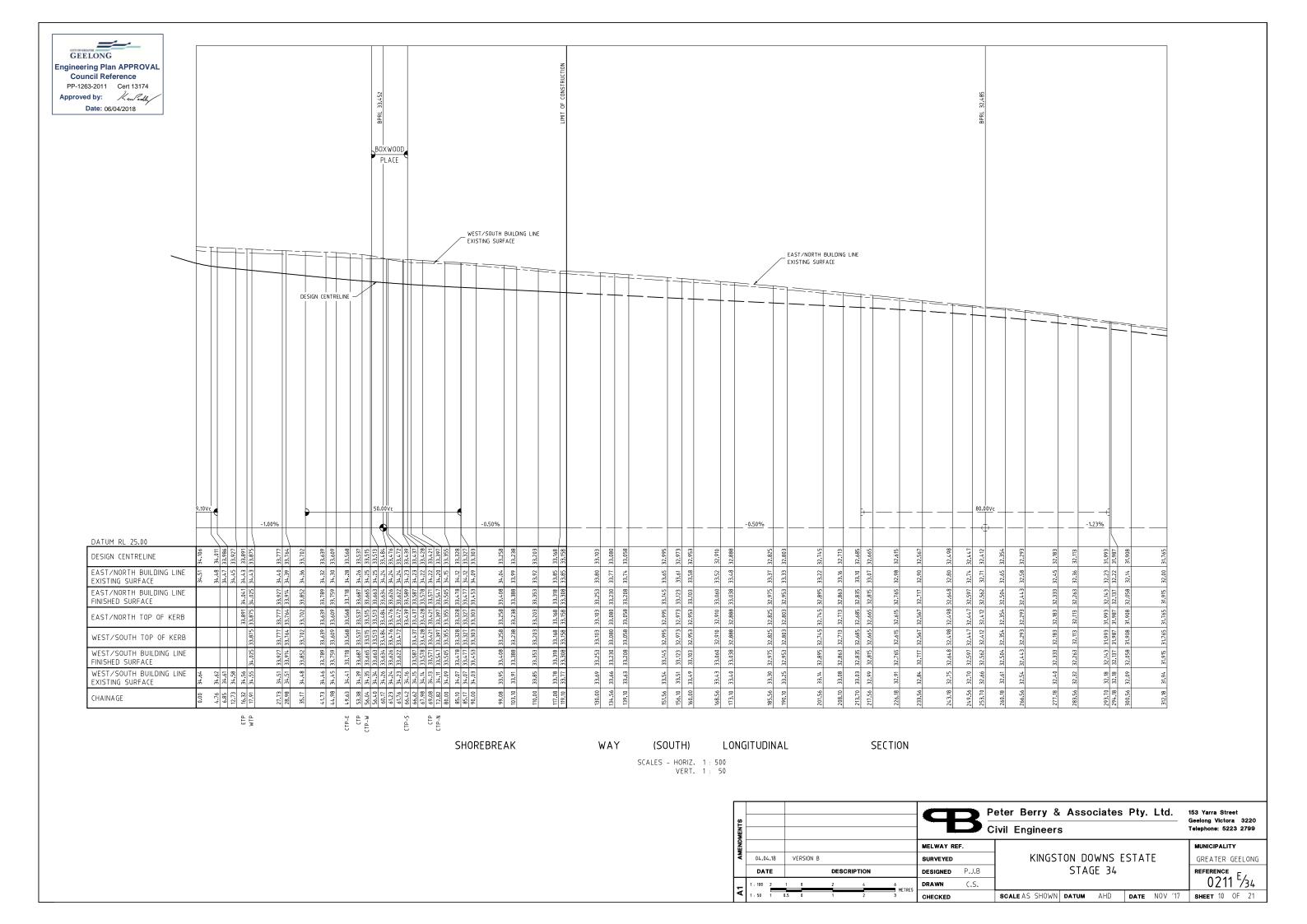


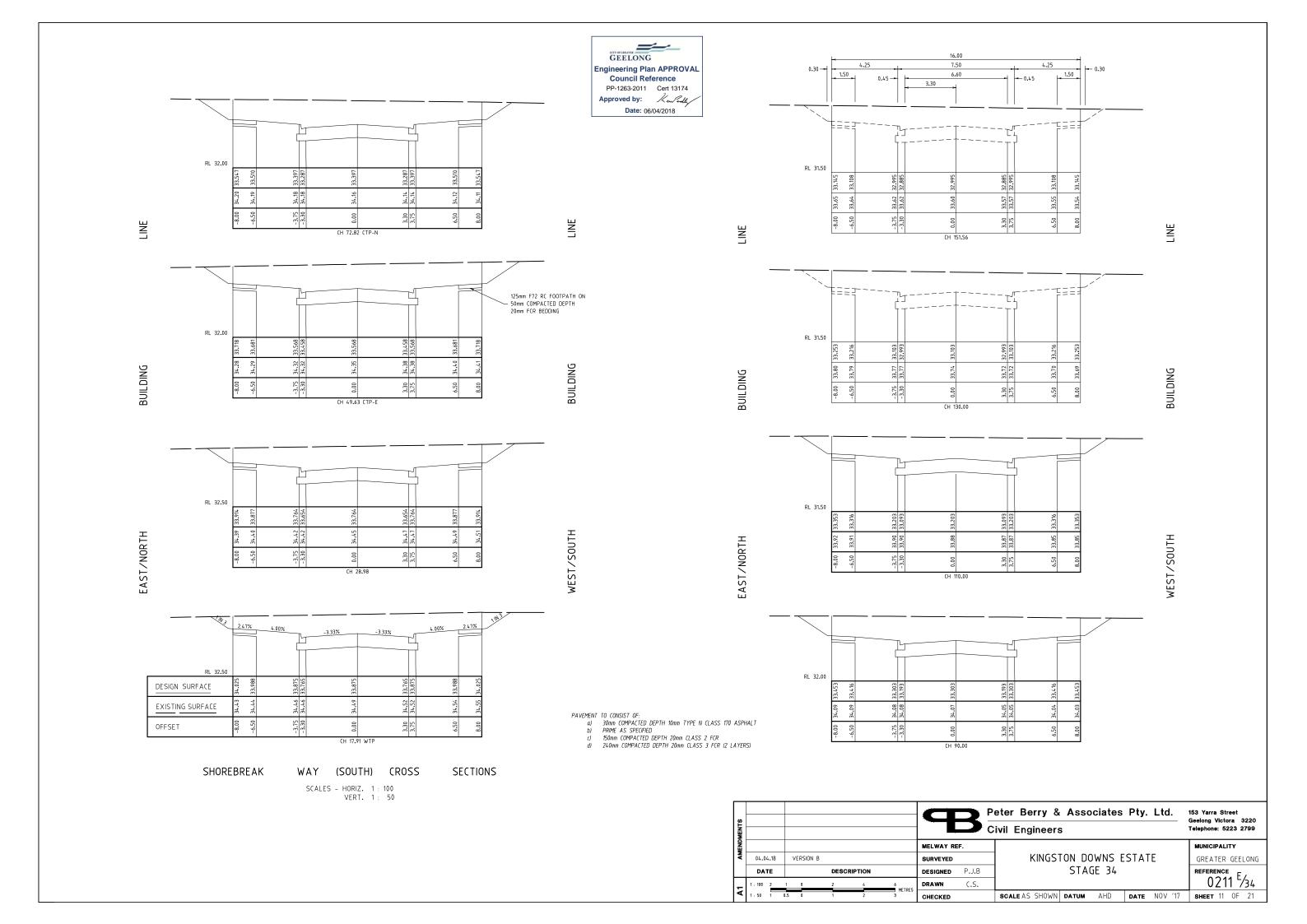
SHOREBREAK WAY (NORTH) LONGITUDINAL SECTION

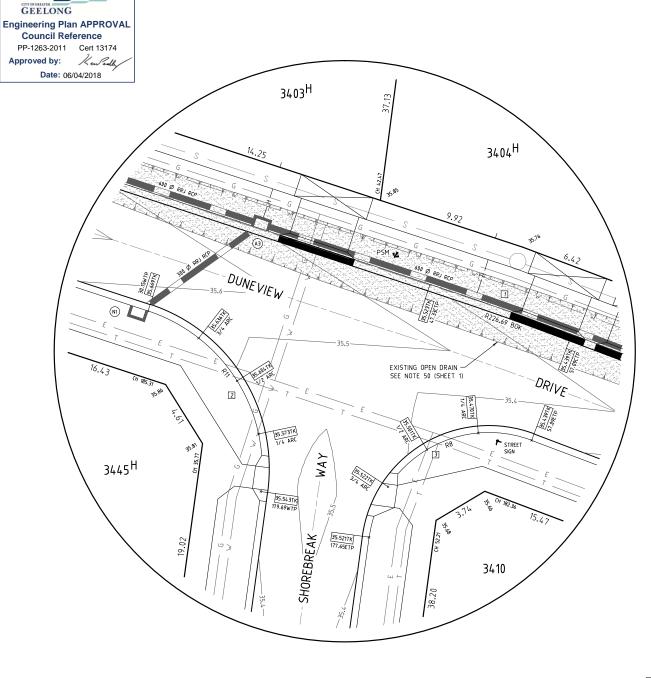
SCALES - HORIZ. 1 : 500 VERT. 1 : 50

AMENDMENTS						U		eter Berry & Associates Pty. Ltd. ivil Engineers 153 Yarra Street Geelong Victora 3220 Telephone: 5223 2799						
						MELWAY REF. SURVEYED		MUNICIPALITY						
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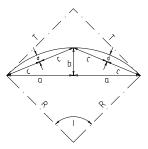




INTERSECTION DETAIL

SCALE (A1) 1 : 125

CONTOUR INTERVAL 0.10 m



CURVE SETOUT DETAIL

(NOT TO SCALE)

CURVE	SETOUT	TABLE	

	201172 321001 171322							
CURVE	RABIUS (m)	1	Т	ARC	α	ь	c	đ
1	226.69	2*30'38"	4.967	9.933	4.966	0.054	2.483	0.014
2	11.00	79*33'50"	9.159	15.275	7.039	2.547	3.743	0.656
3	8.00	102*56'48"	10.048	14.374	6.259	3.017	3.474	0.794
NOTE: ALL CURVE RADI LABELLED THUS - 1 ARE TO BACK OF KERB								

PIT No.	PIT TYPE	LENGTH	WIDTH	INLET	PIPE Ø	OUTLET	PIPE Ø	FINISHED SURFACE	PIT DEPTH	IDM STANDAR DRAWING
		mm	mm	I.L.	mm	I.L.	mm	R.L. (m)	m	DICAMING
Α0	PRECAST CONCRETE ENDWALL	-	-	31.88	150	31.88	-	32.28	0.40	SD 465
A1	HAUNCHED JUNCTION PIT (FUT SEP)	900	900	32.65	675	32.60	150	34.88	2.28	SD 410, 42
				32.97	300					
A2	HAUNCHED SIDE ENTRY PIT	900	900	32.85	600	32.80	675	35.12	2.32	SD 410, 43
А3	HAUNCHED SIDE ENTRY PIT	900	900	33.55	600	33.50	600	35.62	2.12	SD 410, 43
				33.81	300					
Α4	EXISTING HAUNCHED SIDE ENTRY PIT	900	900	-	-	34.00	600	35.96	1.96	SD 410, 43
D1	HAUNCHED JUNCTION PIT (FUT SEP)	900	900	22/2	675	32.38	150	33.91	1.53	SD 410, 42
B1	HAUNCHED JUNCTION PIT (PUT SEP)	900	900	32.43 32.57	300	32.30	150	33.91	1.55	30 410, 42
В2	HAUNCHED SIDE ENTRY PIT	900	900	32.83	300	32.64	675	34.06	1.42	SD 410, 43
				32.69	675					· ·
В3	HAUNCHED SIDE ENTRY PIT	900	900	32.81	600	32.76	675	34.18	1.42	SD 410, 43
				32.81	375					
B4	HAUNCHED SIDE ENTRY PIT	900	900	32.95	600	32.90	600	34.36	1.46	SD 410, 43
				33.05	300					
B5	EXISTING HAUNCHED SIDE ENTRY PIT	900	900	33.07	525	33.02	600	34.50	1.48	SD 410, 43
C1	DOUBLE SIDE ENTRY PIT	1900	600	32.91	375	32.86	375	34.14	1.28	SD 445
(2	DOUBLE SIDE ENTRY PIT	1900	600	33.01	375	32.96	375	34.13	1.17	SD 445
(3	SIDE ENTRY PIT	900	600	33.40	375	33.35	375	34.66	1.31	SD 430
				33.43	300					
(4	SIDE ENTRY PIT	900	600	33.85	375	33.80	375	35.10	1.30	SD 430
				33.88	300					
C5	SIDE ENTRY PIT	900	600	34.24	225	34.16	375	35.43	1.27	SD 430
(6	JUNCTION PIT	900	600	-	-	34.80	225	36.07	1.27	SD 425
D1	JUNCTION PIT	900	600	33.30	300	33.25	300	34.67	1.42	SD 425
D2	JUNCTION PIT	900	600	33.78	225	33.70	300	35.23	1.53	SD 425
-	251(11)11			33.78	225	33114	344	33.23		55 125
D3	JUNCTION PIT	900	600	-	-	34.10	225	35.33	1.23	SD 425
E0	PRECAST CONCRETE ENDWALL	-	-	31.11	150	31.11	-	31.51	0.40	SD 465
E1	JUNCTION PIT (FUT SEP)	900	600	31.87	375	31.82	150	33.00	1.18	SD 420
				31.87	300					
				32.19 31.87	225 150					
E2	SIDE ENTRY PIT	900	600	32.13	375	32.08	375	33.22	1.14	SD 430
	SIDE ENTRY TH	700		32.13	300	52.00	3,7	33.22	1.14	30 430
				32.16	225					
E3	SIDE ENTRY PIT	900	600	32.27	375	32.22	375	33.35	1.13	SD 430
				32.27	375					
E4	SIDE ENTRY PIT	900	600	32.45	375	32.40	375	33.53	1.13	SD 430
E5	SIDE ENTRY PIT	900	600	-	-	32.60	375	33.67	1.07	SD 430
F1	JUNCTION PIT	900	600	32.37	225	32.32	225	33.75	1.43	SD 425
F2	JUNCTION PIT	900	600	32.57	225	32.52	225	33.71	1.19	SD 425
F3	JUNCTION PIT	900	600	-	-	32.83	225	33.87	1.04	SD 425
G1	JUNCTION PIT	900	600	32.58	225	32.53	225	34.12	1.59	SD 425
				32.58	225					
G2	JUNCTION PIT	900	600	-	-	32.65	225	34.13	1.48	SD 425
ш	GDATED HINGTION DIT	900	400	22/4	275	22.27	275	22.50	1.1/	CD / FF
H1 H2	GRATED JUNCTION PIT GRATED JUNCTION PIT	900	600	32.41	375 -	32.36 32.54	375 375	33.50 33.57	1.14	SD 455 SD 455
112	STATES PORCHON FILE	,,,,,				32.34	212	22.21	1.00	2D 433
11	JUNCTION PIT	900	600	-	-	32.92	225	33.95	1.03	SD 425
J1	JUNCTION PIT	900	600	-	-	34.10	225	35.12	1.02	SD 425
K1	SIDE ENTRY PIT	900	600	-	-	34.13	300	35.17	1.04	SD 430
1.4	CIDE ENTRY DIT	000	/^^			22.05	200	21.21		60 135
L1	SIDE ENTRY PIT	900	600	-	-	33.25	300	34.36	1.11	SD 430
M1	SIDE ENTRY PIT	900	600	-	-	33.67	300	34.71	1.04	SD 430
****	SIDE ENTRY FIT	700	000	-	_	33.07	200	34./1	1.04	JU 430
N1	SIDE ENTRY PIT	900	600	-	-	34.49	300	35.67	1.18	SD 430
01	SIDE ENTRY PIT	900	600	-	-	32.35	300	33.24	0.89	SD 430

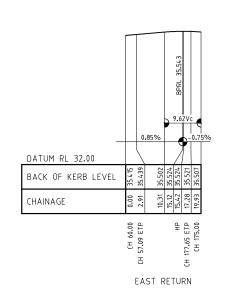
NOTE:
PIT DENOTED THUS "*" IS TO BE HAUNCHED TO AN OPENING OF 900mm x
600mm (INTERNAL DIMENSIONS) WITH APPROPRIATE COVER.

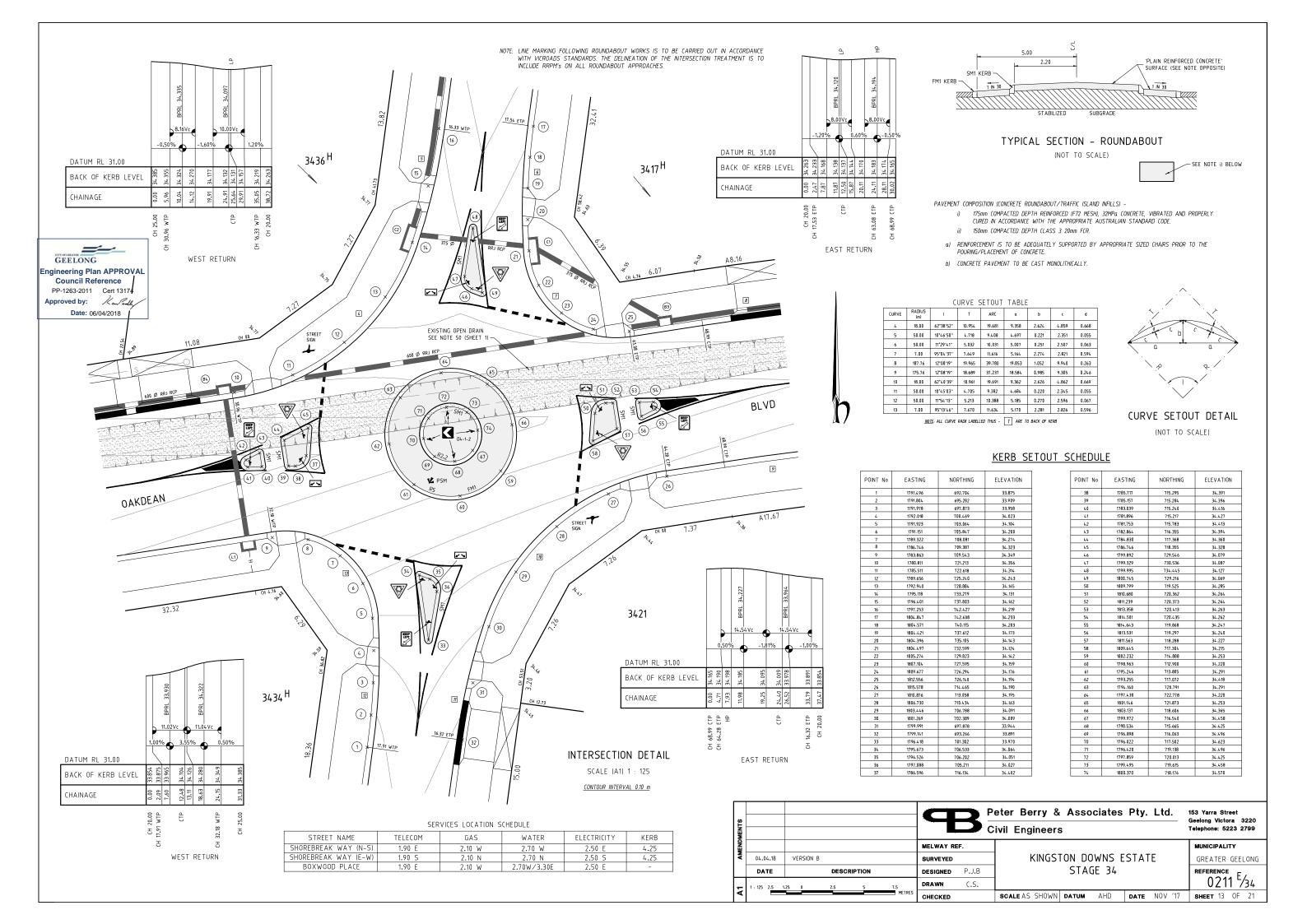
SERVICES LOCATION SCHEDULE

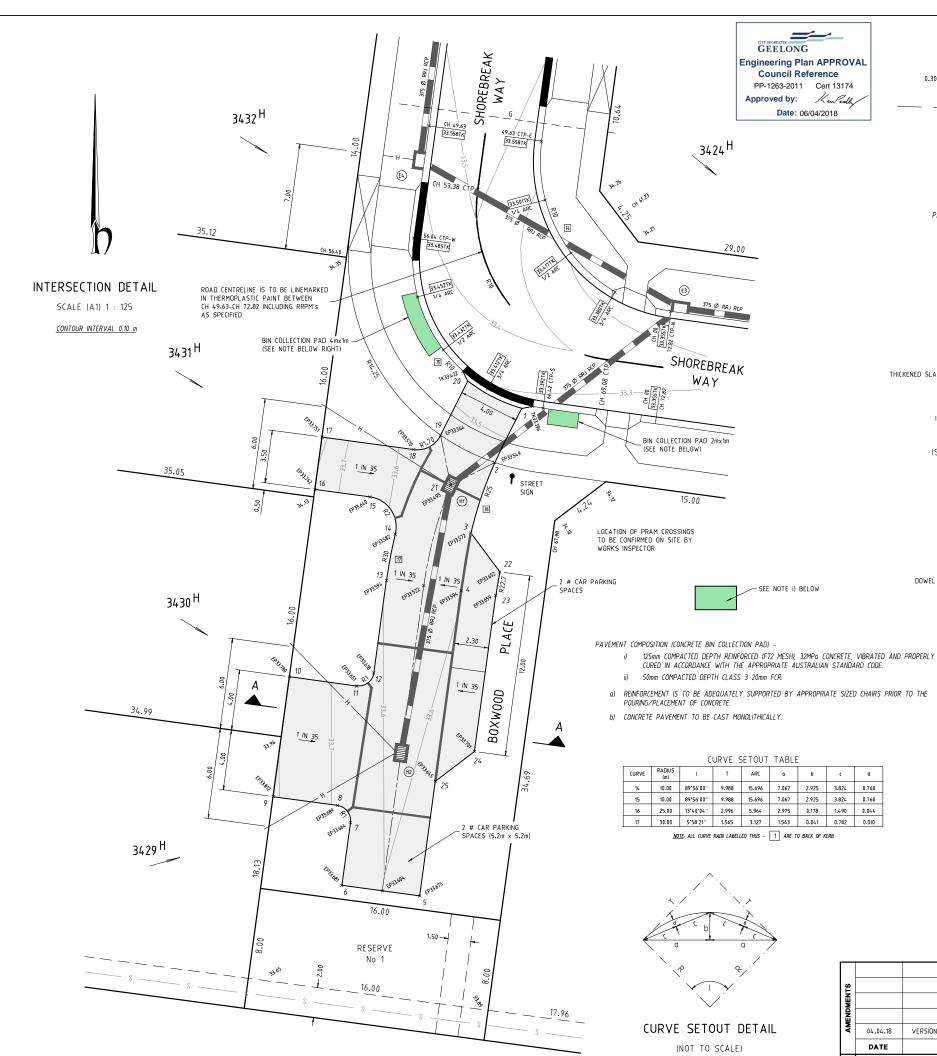
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
DUNEVIEW DRIVE	1.90 S	2.10 N	2.70 N	2.50 S	4.25
SHOREBREAK WAY	1.90 E	2.10 W	2.70 W	2.50 E	4.25

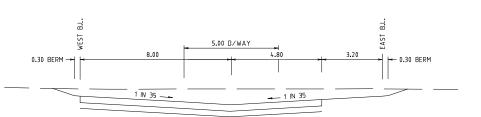
[_					eter Berry & Associates Pty. Ltd. 153 Yarra	Street ictora 3220
MENTS				- C	· · · · · · · · · · · · · · · · · · ·	5223 2799
I G			MELWAY RE	F.	MUNICIPA	ALITY
₹	04.04.18	VERSION B	SURVEYED		KINGSTON DOWNS ESTATE GREATE	ER GEELONG
	DATE	DESCRIPTION	DESIGNED	P.J.B	STAGE 34 REFEREN	ICE F
F		1.25 a 2.5 5 7.5	DRAWN	c.s.	02	211 5/34
<		METRES	CHECKED		SCALE AS SHOWN DATUM AHD DATE NOV '17 SHEET '	12 OF 21

	12.00Vc 0.75% 0.85%
DATUM RL 32.00	
BACK OF KERB LEVEL	35.507 35.525 35.527 35.572 35.621 35.669
CHAINAGE	2.39 2.65 4.69 8.39 14.39 19.97
	CH 173.60 CH 179.69 WTP CH 30.15 WTP
	WEST RETURN







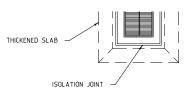


SECTION A-A

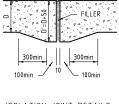
(NOT TO SCALE)

PAVEMENT COMPOSITION - (CONCRETE ROAD)

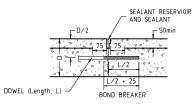
- a) i) 175mm COMPACTED DEPTH REINFORCED (SL82 MESH), 32MPa CONCRETE, VIBRATED AND PROPERLY CURED IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARD CODE.
 - ii) 150mm COMPACTED DEPTH CLASS 3 20mm FCR.
- b) REINFORCEMENT IS TO BE ADEQUATELY SUPPORTED BY APPROPRIATE SIZED CHAIRS PRIOR TO THE POURING/PLACEMENT OF CONCRETE.
- c) CONCRETE PAVEMENT TO BE CAST MONOLITHICALLY.



ISOLATION JOINT DETAIL FOR GRATING PITS (NOT TO SCALE)



ISOLATION JOINT DETAILS (NOT TO SCALE)



CONTRACTION JOINT DETAILS (NOT TO SCALE)

NOTE:

- 1. DOWELLS ARE TO BE 20mm Ø 350mm LENGTH AND AT 300mm CENTRES.
- 2. JOINTS ARE TO BE AT A MAXIMUM SPACING OF 13m AND AT ALL DRIVEWAY CROSSINGS AS INDICATED ON DETAIL PLAN.
- 3. TYPE OF SEALANT IS TO BE SIKAFLEX 15LM OR COUNCIL APPROVED EQUIVALENT USED IN CONJUNCTION WITH AN APPROVED BACKER ROD.

SETOUT - CONCRETE DRIVEWAY

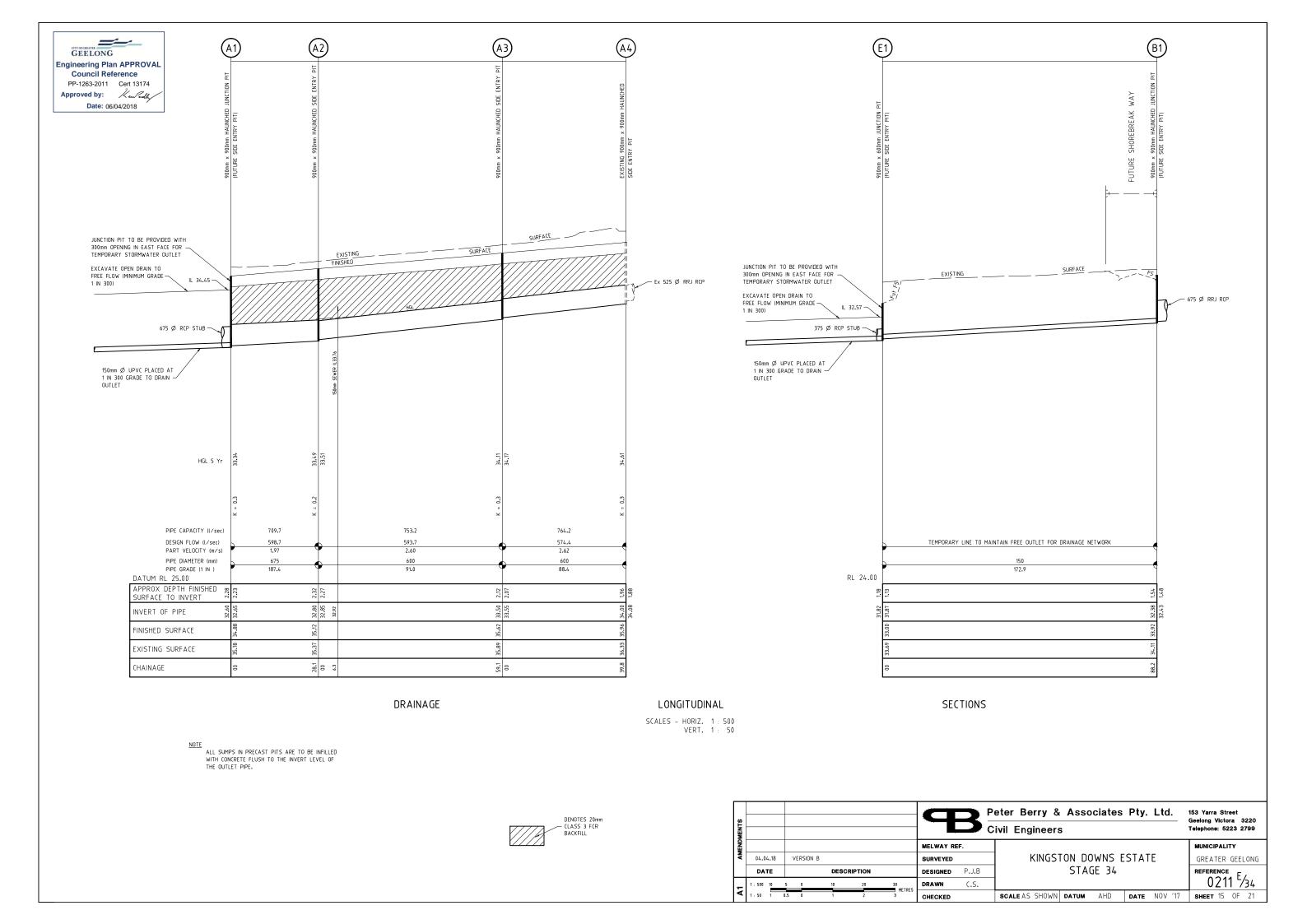
POINT No	EASTING	NORTHING
1	1794.062	642.707
2	1791.554	638.993
3	1789.975	634.352
4	1789.341	630.518
5	1786.594	610.334
6	1781.442	611.035
7	1782.008	615.197
8	1781.152	616.323
9	1776.891	616.902
10	1777.970	624.829
11	1782.429	624.223
12	1783.555	625.079
13	1784.387	631.193

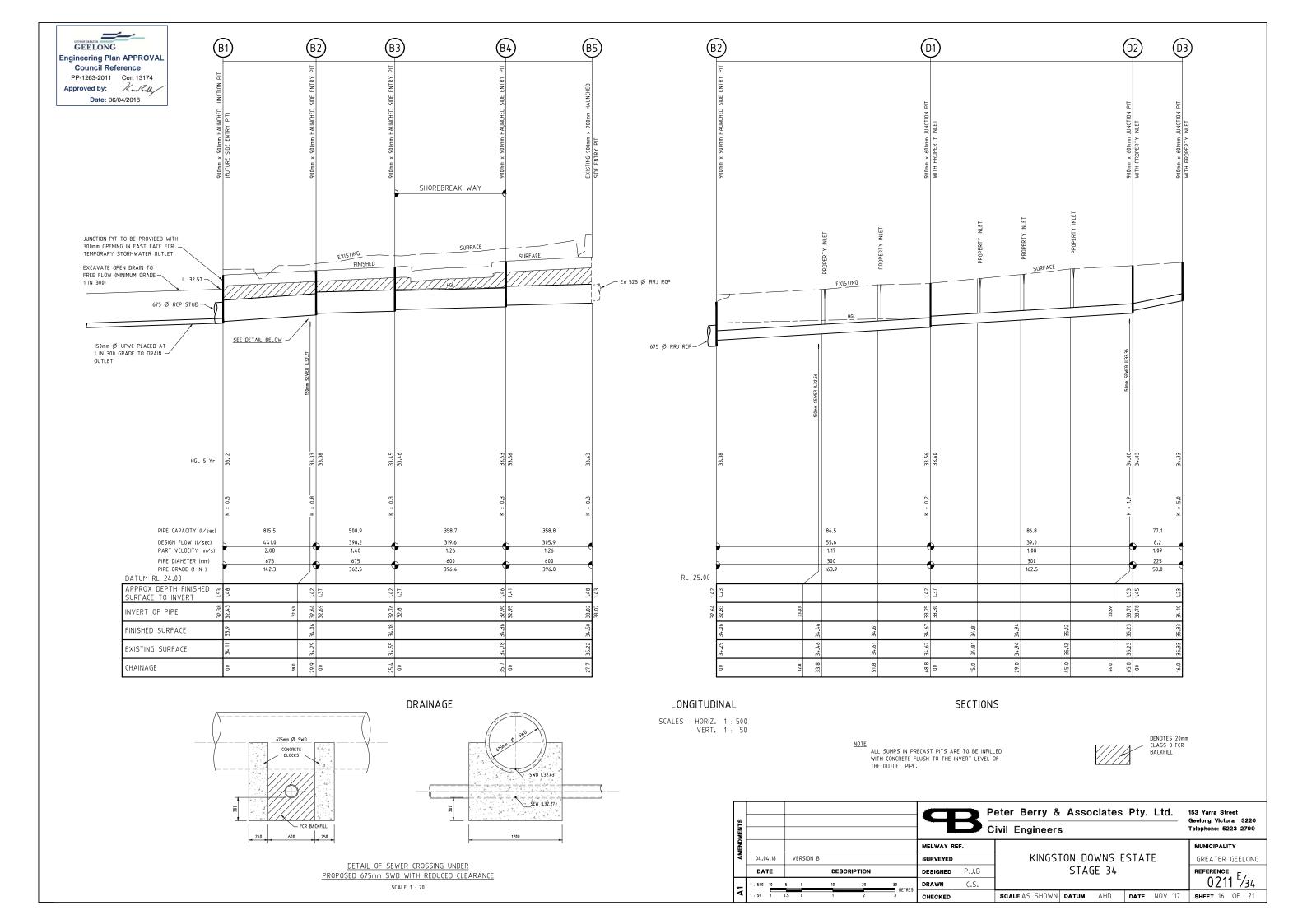
POINT No	EASTING	NORTHING
14	1784.969	634.264
15	1783.296	636.720
16	1779.656	637.215
17	1780.127	640.683
18	1786.201	639.857
19	1787.964	640.806
20	1789.450	645.039
21	1788.632	637.491
22	1791.888	631.771
23	1791.620	630.208
24	1790.216	619.888
25	1787.626	617.919

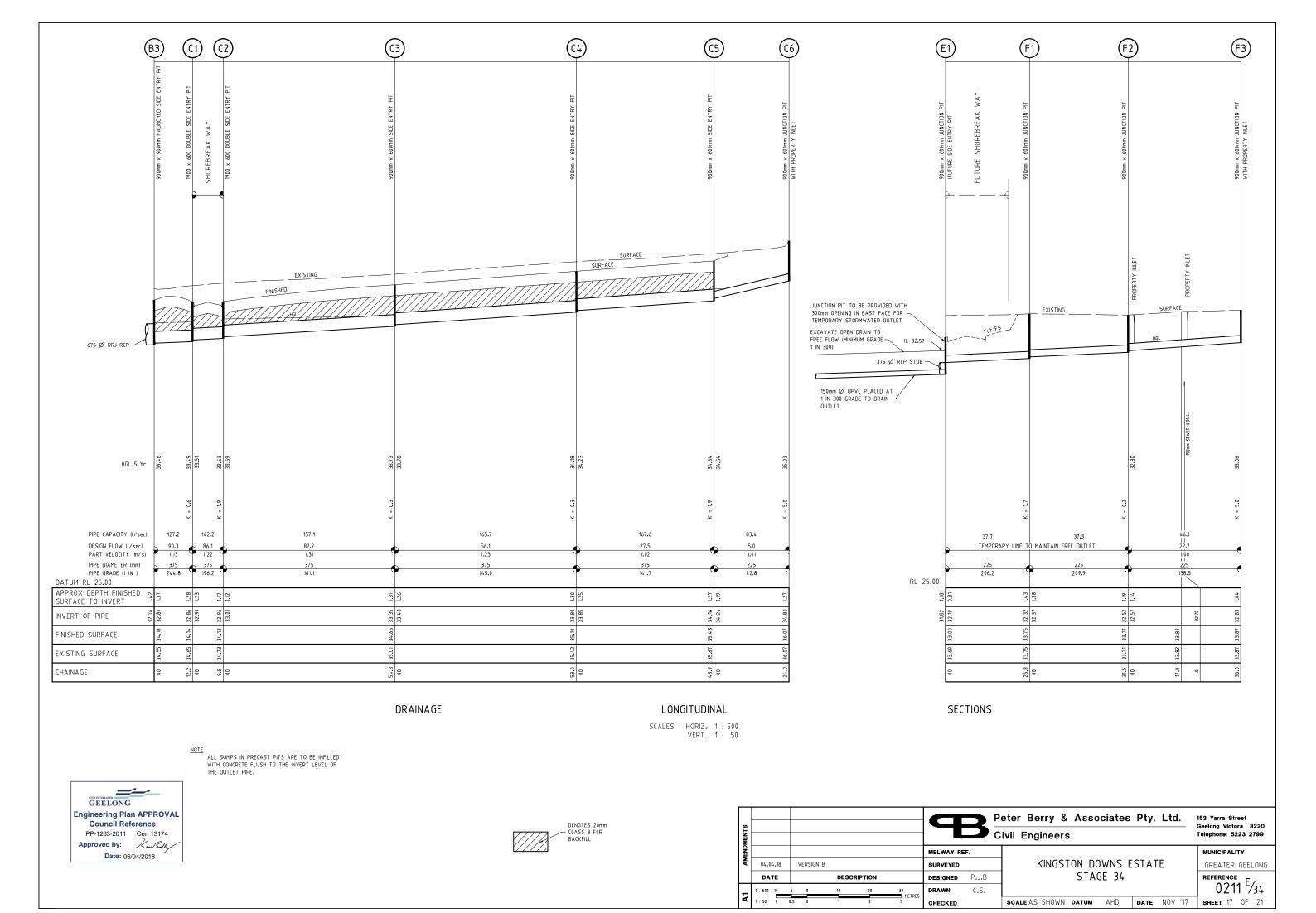
SERVICES LOCATION SCHEDULE

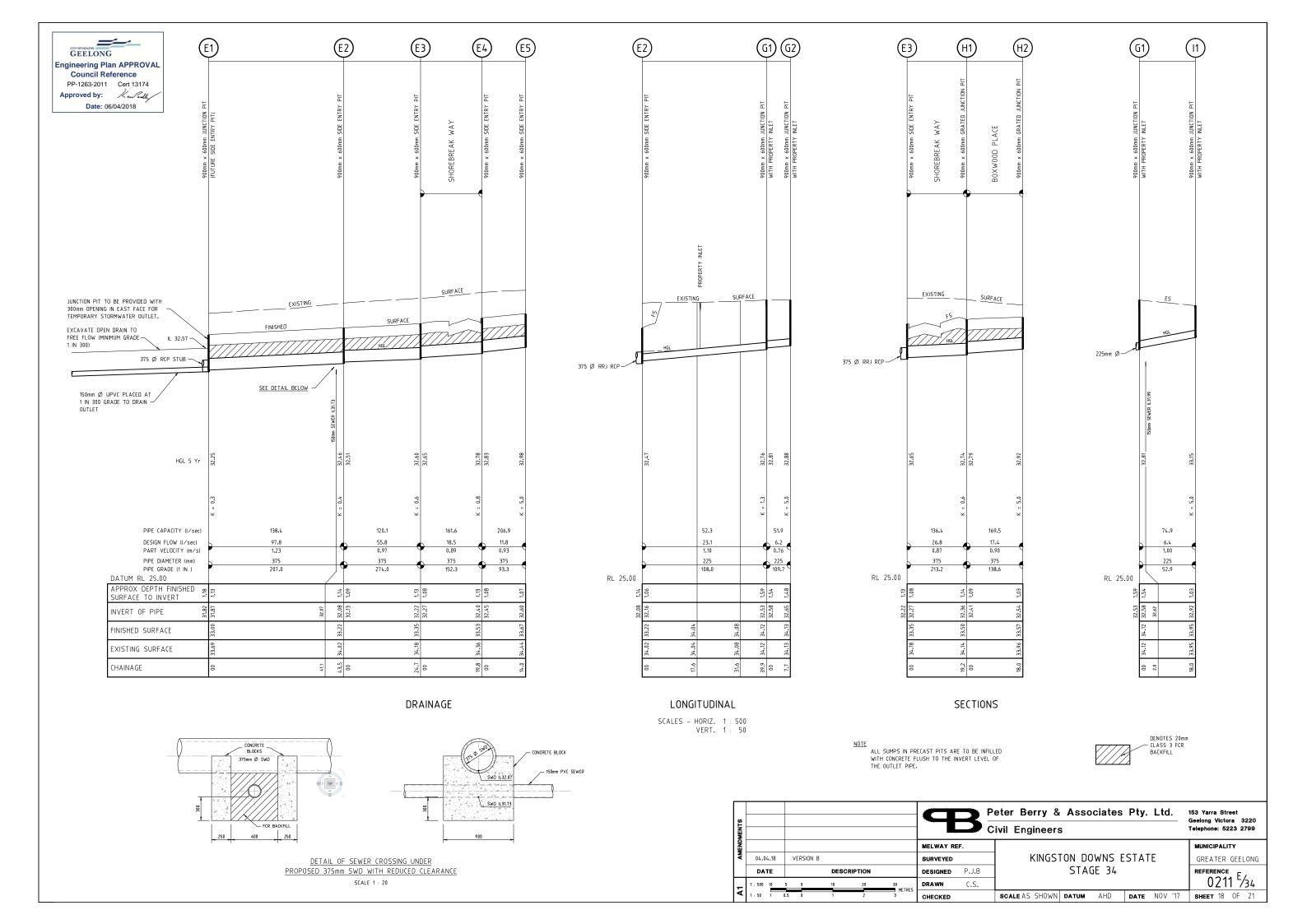
STREET NAME	TELECOM	GAS	WATER	ELECTRICITY	KERB
SHOREBREAK WAY (N-S)	1.90 E	2.10 W	2.70 W	2.50 E	4.25
SHOREBREAK WAY (E-W)	1.90 S	2.10 N	2.70 N	2.50 S	4.25
BOXWOOD PLACE	1.90 E	2.10 W	2.70W/3.30E	2.50 E	-

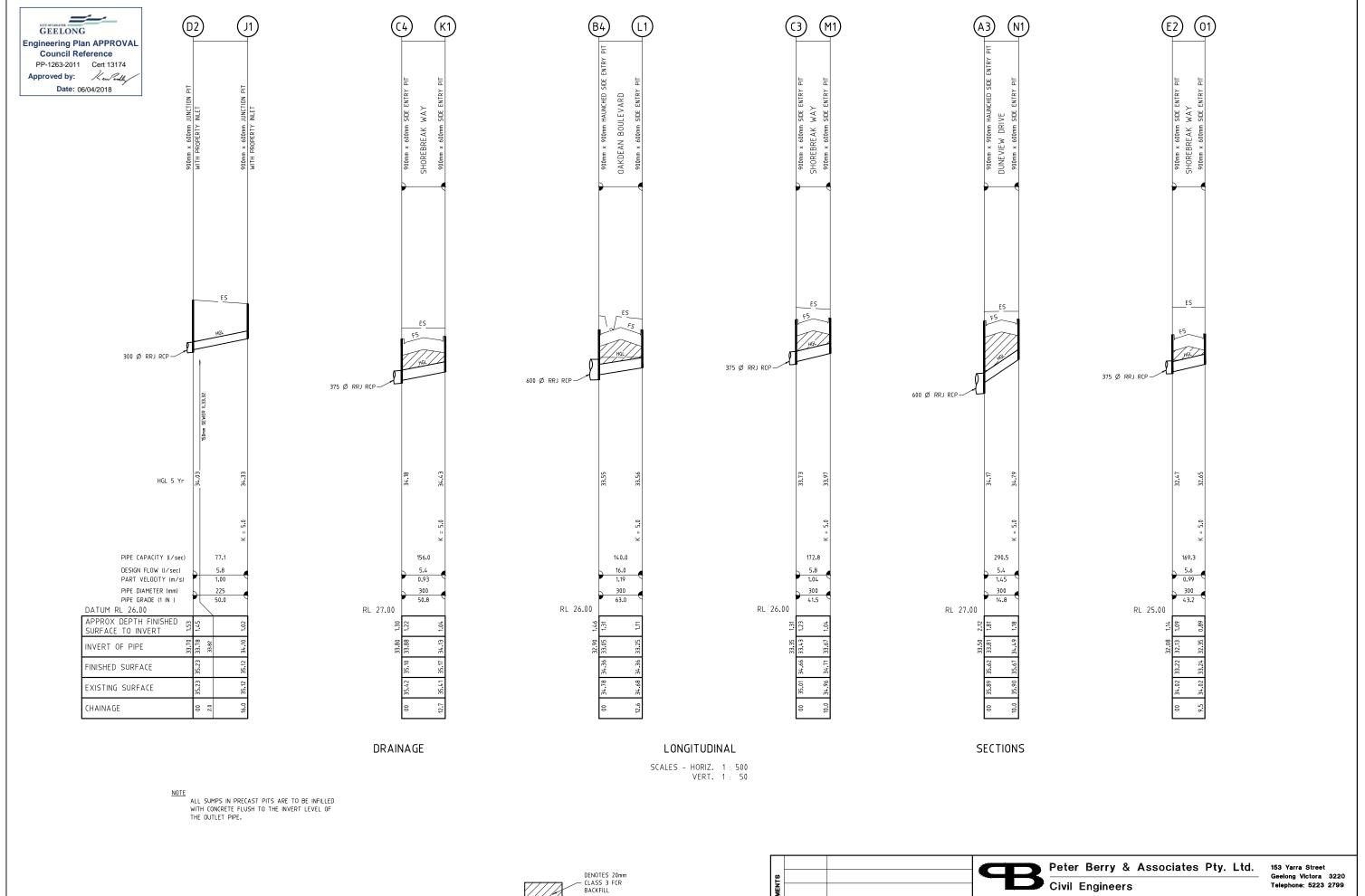




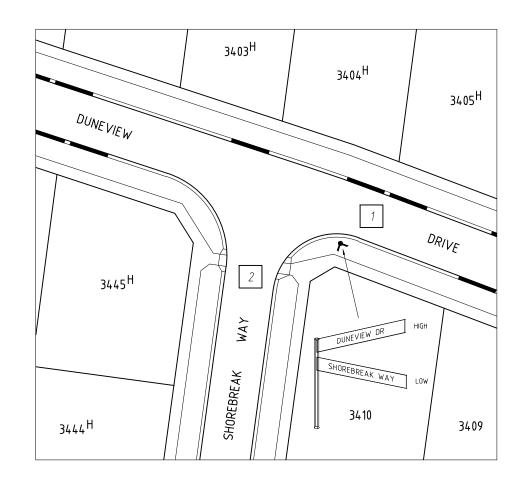


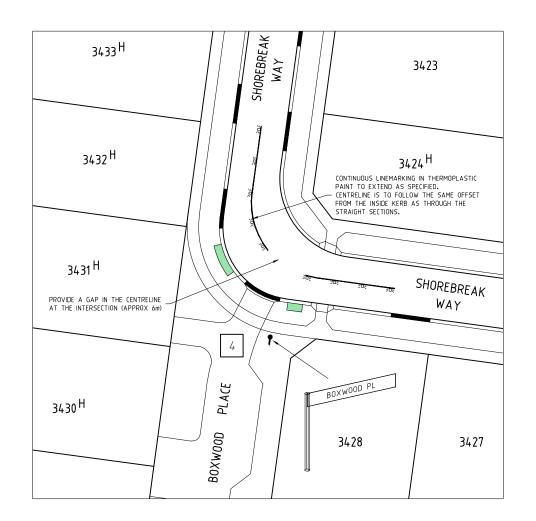


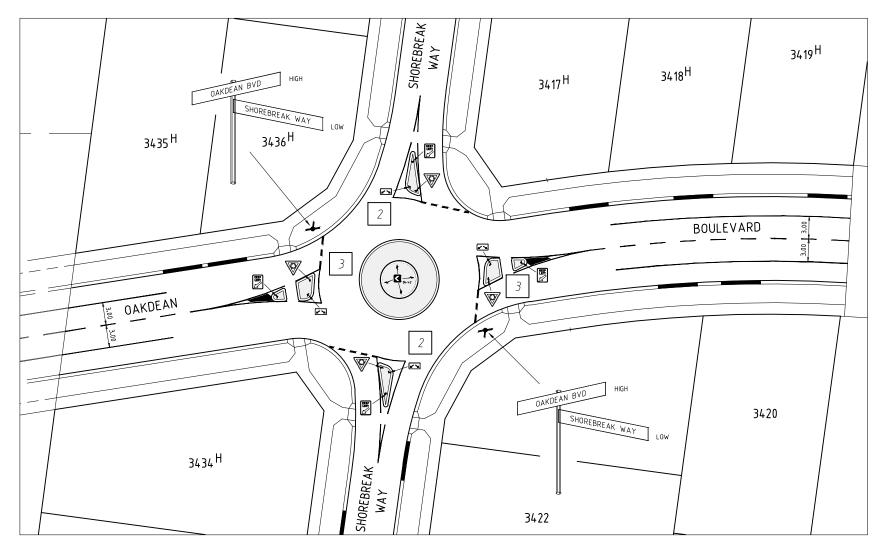




Geelong Victora 3220 Telephone: 5223 2799 Civil Engineers MELWAY REF. MUNICIPALITY KINGSTON DOWNS ESTATE GREATER GEELONG 04.04.18 VERSION B SURVEYED STAGE 34 REFERENCE DATE DESCRIPTION DESIGNED P.J.B 0211 E/34 SCALE AS SHOWN DATUM AHD DATE NOV '17 SHEET 19 OF 21 CHECKED







<u>SIGN LEGEND</u>





4 No (R1-3)

SHOREBREAK WAY 3 No



4 No (R2-3(L))

3

OAKDEAN BVD 2 No



4 No (D4-V105)

4

BOXWOOD PL 1 No



4 No (D4-1-2)

<u>NOTE</u>

- 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).

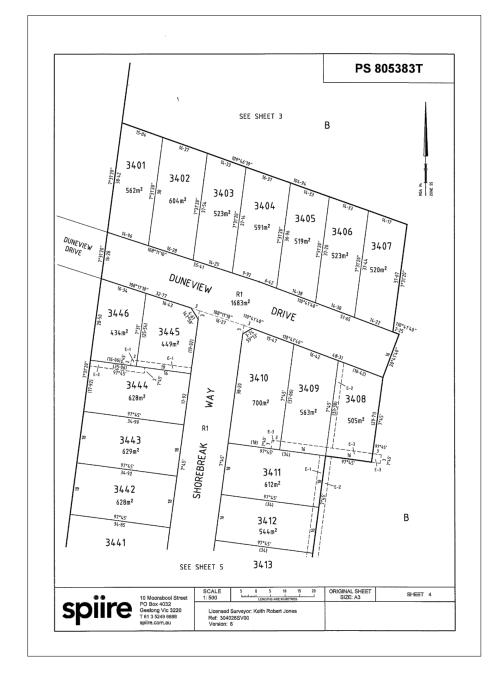


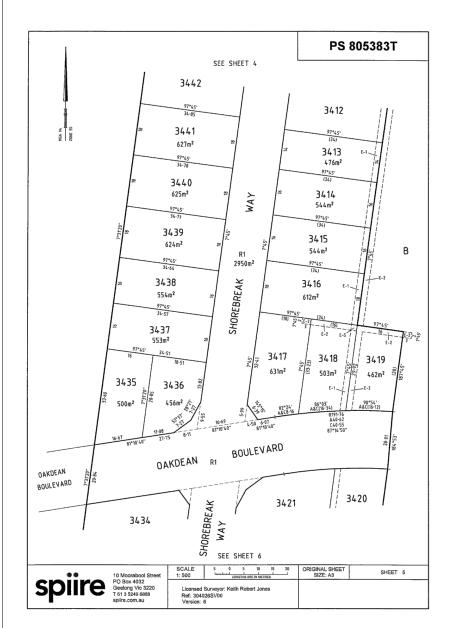
DETAIL PLANS

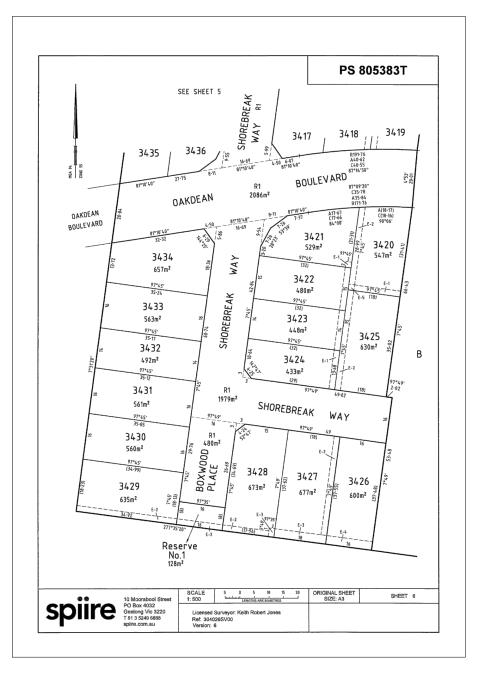
SCALE (A1) 1 : 250

MENTS			B ^p	153 Yarra Street Geelong Victora 3220 Telephone: 5223 2799	
EN			MELWAY REF.	KINGSTON DOWNS ESTATE	MUNICIPALITY
A	04.04.18	VERSION B	SURVEYED	STAGE 34	GREATER GEELONG
	DATE	DESCRIPTION	DESIGNED P.J.B	517.102 51	REFERENCE F
1	1:250 5	2.5 Ø 5 1Ø 15	DRAWN (.S.	STREET SIGNS & LINEMARKING PLAN	0211 5/34
۷		METRES	CHECKED	SCALE AS SHOWN DATUM AHD DATE NOV '17	SHEET 20 OF 21









MENTS			Peter Berry & Associates Pty. Ltd. Civil Engineers					153 Yarra Street Geelong Victora 3220 Telephone: 5223 2799	
			MELWAY RE	EF.	KINGSTON DOWNS ESTATE			MUNICIPALITY	
¥	04.04.18	VERSION B	SURVEYED		STAGE 34		SIAIL	GREATER GEELONG	
	DATE	DESCRIPTION	DESIGNED	P.J.B			CION	REFERENCE F	
F			DRAWN	c.s.	PAN OF SUBDIVISION		0211 5/34		
⋖			CHECKED		SCALE AS SHOWN	DATUM AHD	DATE NOV '17	SHEET 21 OF 21	