STANDARD NOTES

- ALL WORKS IN THIS CONTRACT ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARD DRAWINGS AND SPECIFICATIONS OF THE RELEVANT RESPONSIBLE AUTHORITIES, ANY DISPUTE THAT ARISES AT ANY TIME UNTIL THE RESPONSIBLE AUTHORITIES ACCEPT THE WORKS FOR FUTURE CARE AND MAINTENANCE, THE STANDARD DRAWING AND SPECIFICATION WILL TAKE PRECEDENCE OVER THE CONSTRUCTION PLAN.

SITE MANAGEMENT

- 3. ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE APPROVED CONSTRUCTION MANAGEMENT PLAN.
- 4. ALL TREES, SHRUBS 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.
- 6. ALL AREAS OF THE SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURESTRIPS, LOTS AND RESERVE ARE TO BE FULLY GRASSED BY HYDROMULCHING, WATERING AND MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD.

GENERAL

7. THE CONTRACTOR SHALL

- HE CONTRACTOR SHALL:

 | GIVE 5 DAYS NOTICE IN WRITING TO COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORKS.

 | NOTIFY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE 24 HOURS PRIOR TO WORKING ON ANY WEEKEND.
 | BE FULLY AWARE OF ALL SITE CONDITIONS PRIOR TO TENDERING.
 | BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE SERVICES.
 | BE RESPONSIBLE FOR THE INSTALLATION OF ALL SERVICES REQUIRED FOR THE PROJECT.
 | BENSIRE THAT ALL SERVICES ARE INSTALLED TO THE SEPCIFIED OFFSETS AND MEETS MINIMUM COVER REQUIREMENTS. ALL SURFACE FIXTURES, PITS, VALVES, FIREPLUGS, ETC. SHALL BE INSTALLED A MINIMUM OF 6.0m FROM ANY SIGE BOUNDARY IN THE ROAD RESERVE 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 INCLIDING NOTIFICATION IN WRITING (LAUSE 385) TO THE CHIEF MINING INSPECTION OF THE INTENTION TO COMMENCE EXCAVATION OPERATIONS WHERE ANY TRENCH IS 1550 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 APPOVED.
 | COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY (CONFINED SPACES).
 | BE RESPONSIBLE FOR THE COMPACTION AND/OR ANY OTHER REQUIRED TESTING OF THE PAVEMENT MATERIAL BY AN APPROVED GEOTECHNICAL CONSULTANT AS AND WHEN DIRECTED BY COGG SUBDIVISIONS ENGINEER ON THE REQUIRED TESTING OF THE PAVEMENT MATERIAL BY AN APPROVED GEOTECHNICAL CONSULTANT AS AND WHEN DIRECTED BY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
- ANY WORKS WITHIN ROADWAYS SHALL SATISFY COUNCIL'S "REQUIREMENTS FOR OCCUPANCY OF ROAD RESERVE". CONTACT COGG TRAFFIC MANAGEMENT OFFICER ON TELEPHONE (03) 52724384 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. ANY REINSTATEMENT OF BOUNDARY PEGS FOR CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. BENCHMARK VALUES ARE VALID FOR 6 MONTHS FROM THE ISSUED DATE OF THE SURVEY AND ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORKS AND ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY.
- O. ALL DIMENSIONS ARE IN METRES AND LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.)
- 11. ALL SEWER MANHOLES LOCATED UNDER NEW FOOTPATH TO HAVE OFFSET COVER ROTATED AND LEVELS ADJUSTED SO THAT THE COVERS ARE ENTIRELY LOCATED WITHIN THE FOOTPATH WITH APPROPRIATELY POSITIONED JOINTS IN PATH AND FLUSH WITH SURFACE.

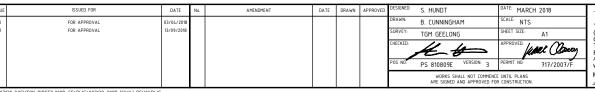
- 12. SUBSOIL DRAINS ARE TO BE CONSTRUCTED BEHIND THE KERB AND CHANNEL OR AS DIRECTED BY THE COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE
- 13. WHERE DRAINAGE LINES EXIST BEHIND THE KERB AND CHANNEL SUBSOIL DRAINAGE IS NOT REQUIRED HOWEVER A 1m LENGTH OF SUBSOIL DRAIN INCLUDING FILTER SOCK IS REQUIRED BOTH SIDES OF DRAINAGE PITS.
- 14. ALL FOOTPATHS ARE TO BE A MINIMUM OF 125mm THICK WITH SL72 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 OR EXPANSION JOINTS ARE TO BE CONSTRUCTED BETWEEN 10 TO 15 METER INTERVALS
- 15. WHERE FILLING IS REQUIRED LINDER THE FOOTPATH REDDING MATERIAL THEN CLASS A FOR IS TO BE USED LINLESS OTHERWISE APPROVED BY THE COGG SURDIVISIONS ENGINEER
- 17. CONCRETE FOR STORMWATER PITS AND ANY OTHER STORMWATER RELATED STRUCTURE IS TO HAVE A MINIMUM STRENGTH OF 32 MPA AT 28 DAYS.
- 18. CONCRETE FOR ALL OTHER APPLICATIONS IS TO HAVE A MINIMUM STRENGTH OF 25 MPA AT 28 DAYS.
- 19. 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 METRE EITHER SIDE OF EVERY PIT.
- 21. ALLOTMENTS SHALL BE GRADED TO AN EVEN SURFACE AT THE COMPLETION OF ALL WORKS AND SHALL HAVE A MINIMUM GRADE OF 1 IN 200 (IDM) 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.
- 22. BATTER SLOPES ON LOTS SHALL BE A MAXIMUM OF 1 IN 6 FOR FILL AND 1 IN 3 FOR CUT UNLESS OTHERWISE SHOWN.
- 23. ROUNDED-TOPPED WHITE CYPRUS HARVESTED FROM SUSTAINABLE FOREST BOLLARDS (0.6m HIGH) OR AS APPROVED BY COUNCIL PARKS/RECREATION AND OPEN SPACE/ENVIRONMENT DEPARTMENTS ARE TO BE PLACED ACROSS THE RESERVE FRONTAGE AT 1.5M CENTRES, REFER TO COUNCIL STANDARD DRAWING COGG701. A DEMOUNTABLE SECTION FOR VEHICLE ACCESS TO COUNCIL STANDARDS, REFER STANDARD DRAWING COGG702 & COGG703.
- 24. 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.
- 25. 'NO THROUGH ROAD' SIGN IS TO BE INSTALLED BELOW THE STREET SIGN WHERE APPLICABLE
- 26. 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 LOT NUMBERS SHALL BE STENCILED IN SOmm HIGH EIGLIRES WITH WHITE PAINT ON THE FACE OF THE KERR AND CHANNEL 30. CIVIL CONTRACTOR TO CONTACT SUPERINTENDENT MINIMUM OF 7 DAYS PRIOR TO POURING ANY KERB & CHANNEL TO ENSURE THAT DRIVEWAY LOCATIONS HAVE NOT ALTERED.

DRAINAGE

- 31. PIPE DRAINAGE WITHIN ROADWAYS TO BE REINFORCED CONCRETE PIPES CLASS 2 UNLESS OTHERWISE SHOWN.
- 32. ALL REINFORCED CONCRETE PIPES ARE TO BE RUBBER RING JOINTED.
- 33. PIPES IN EASEMENTS ARE TO BE RUBBER RING JOINTED OR UPVC SEWER CLASS PIPES WITH SOLVENT CEMENT JOINTS.

- 37. CONTRACTOR TO USE 2% CEMENT STABILISED SAND FROM THE BOTTOM OF THE STORMWATER PIPE TO THE SPRINGLINE WHEN DRAINAGE IS CONSTRUCTED UNDER THE ROAD. CLASS 3 CRUSHED ROCK TO BE USED FOR BACKFILL FROM THE SPRINGLINE TO THE PAVEMENT SUB-BASE.
- 39. ALL PIPELINES ARE TO BE INSPECTED VIA CCTV AT PRACTICAL COMPLETION AT THE CONTRACTORS' EXPENSE AND UNDER THE SUPERVISION OF COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE
- 41. HOUSE DRAINS ARE TO BE 100mm DIAMETER SEWER CLASS PVC SOCKETED PIPES LOCATED 6.5m FROM THE LOW CORNER OF THE LOT UNLESS OTHERWISE SHOWN. OPTION "No. 1" IS TO CONNECT TO A PIT, "No.2" IS TO CONNECT TO THE UNDERGROUND DRAINAGE PIPE AND "No.3" IS TO KERB (MINIMUM 1.0m AWAY FROM EDGE OF VEHICLE LAYBACK).
- 43. FASEMENT DRAIN CONNECTION TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE UNLESS OTHERWISE SHOWN
- 44. WHEN USING 150mm DIAMETER UPVC SEWER CLASS PIPES IN EASEMENTS FOR PRIVATELY OWNED PROPERTIES, THE HOUSE DRAINS ARE TO BE CONNECTED USING STANDARD T-PIECE FITTINGS.
- 45. 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.
- 46. WATER AND GAS SERVICE CONDUITS SHALL BE LOCATED CLEAR OF ALL DRIVEWAY CROSSINGS AND SHALL EXTEND FROM THE POINT OF SUPPLY TO AT LEAST 500mm INSIDE THE HOUSE LOT TO BE SERVICED AND LEFT EXPOSED UNTIL INSPECTED BY CODE WATER CONDUITS ARE TO BE LOCATED AT LEAST 6.5m FROM SIDE BOUNDARY.
 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. NEXT TO WATER CONDUIT IS PREFERRED.
- 47. 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.
- 48. IN ROAD RESERVE EXISTING OPEN DRAINS ARE TO BE CLEANED OUT TO AN 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.
- 49. ALL SUMPS IN PRE-CAST CONCRETE PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR
- 50. ALL DRAINAGE PIT LIDS ARE TO BE 'TERRA-FIRMA' OR APPROVED EQUIVELANT



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GEELONG LAND GROUP PTY LTD P N RNX 315 GEELONG, VIC, 3220



GEELONG LAND GROUP PTY LTD

HIGHTON RIDGE ESTATE

STAGE 9B

HIGHTON, VIC, 3216

ROAD LONGITUDINAL SECTIONS - MAJESTIC DRIVE

ROAD LONGITUDINAL SECTIONS - AMELIA STREET

INTERSECTION DETAIL A & KERB RETURNS

INTERSECTION DETAIL B & KERB RETURNS

ROAD CROSS SECTIONS - MAJESTIC DRIVE

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BENCHING DETAIL PLAN

FOR CONSTRUCTION

ROAD CROSS SECTIONS - HIGHPOINT CRESCENT

ROAD LONGITUDINAL SECTIONS - HIGHPOINT CRESCENT

STAGE 9B HIGHTON VIC 3216

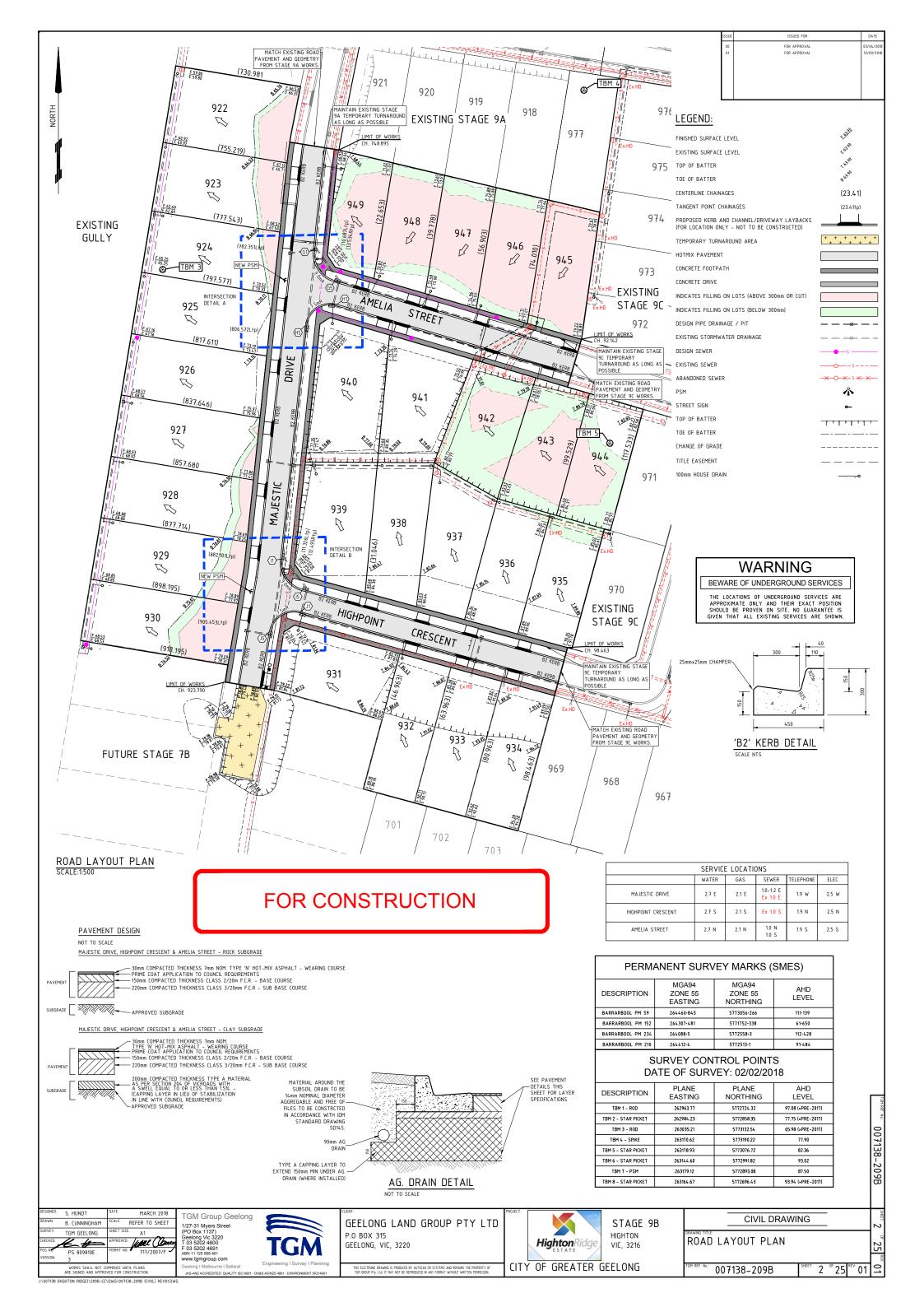
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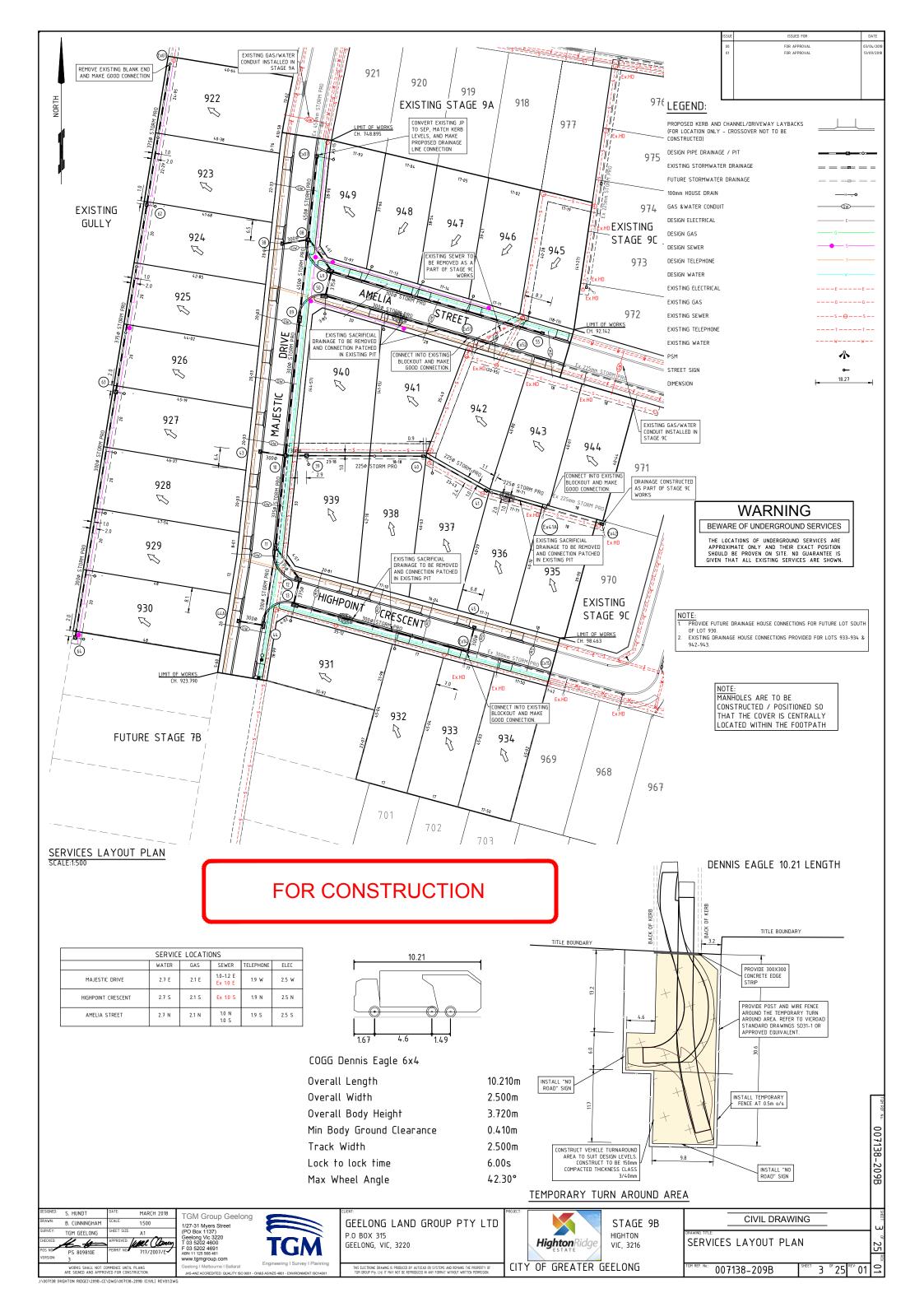
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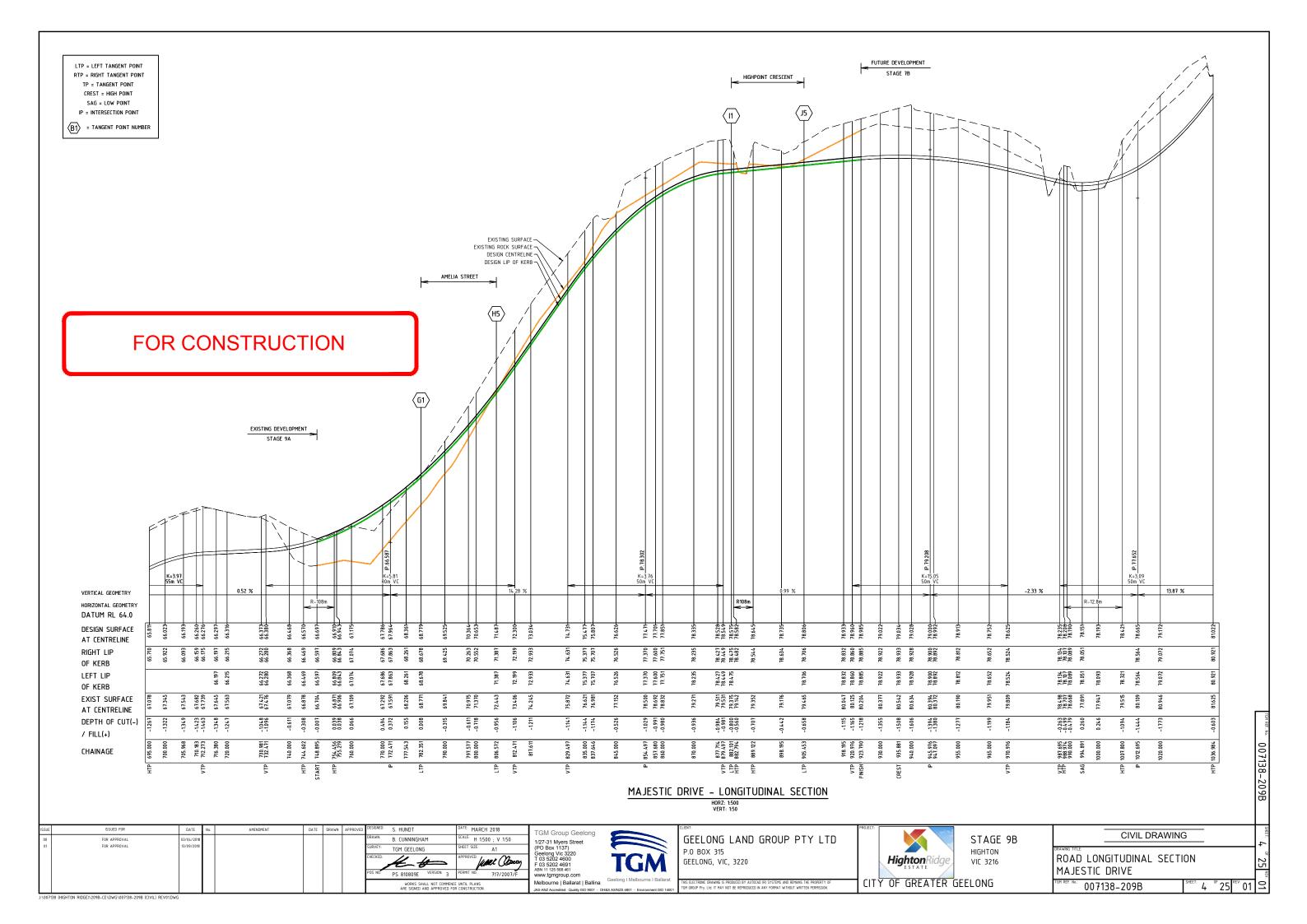
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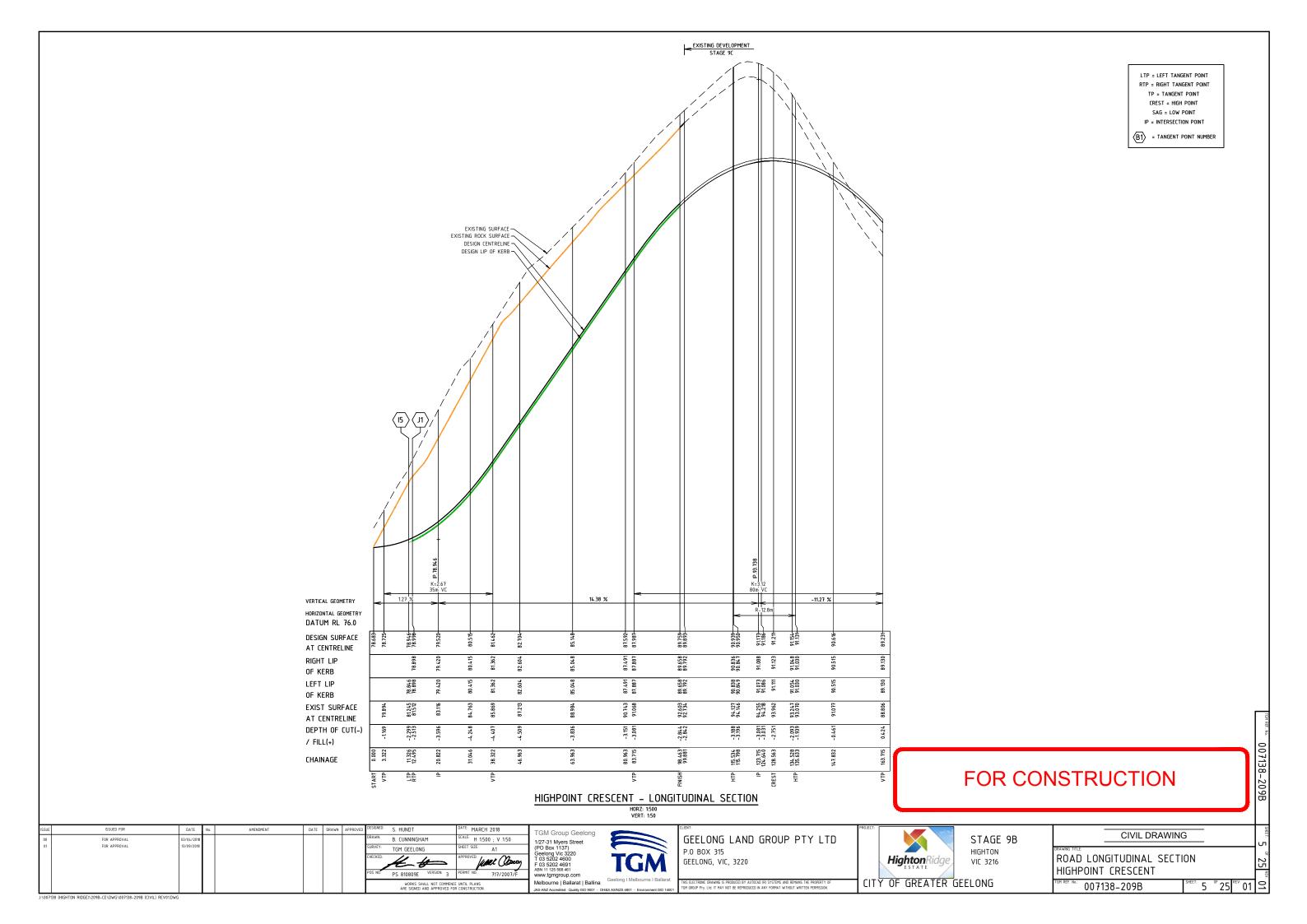
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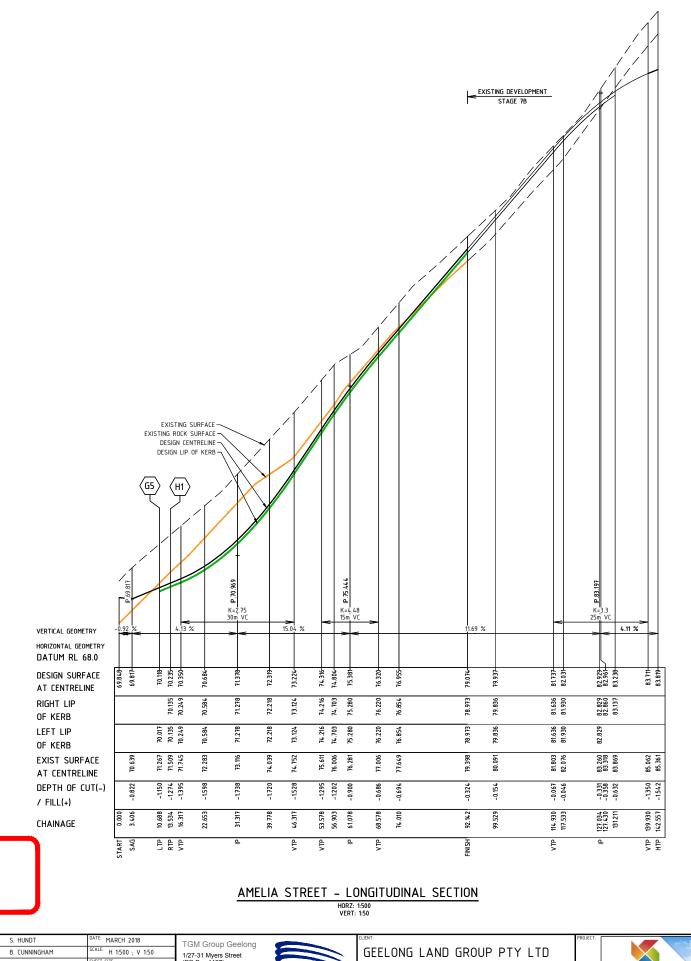
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CH	Y OF GREATER (GEELONG

STAGE 9B HIGHTON VIC 3216

ROAD LONGITUDINAL SECTION AMELIA STREET 007138-209B 6 0 25 01 ⊆

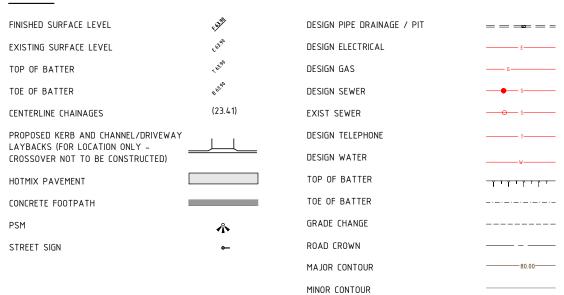
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INTERSECTION DETAIL A

LEGEND:



WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

RTP = RIGHT TANGENT POINT TP = TANGENT POINT CREST = HIGH POINT SAG = LOW POINT IP = INTERSECTION POINT

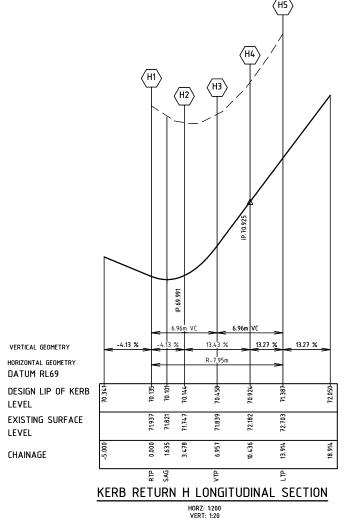
LTP = LEFT TANGENT POINT

B1 = TANGENT POINT NUMBER

VERTICAL GEOMETRY HORIZONTAL GEOMETRY R-9.45m DATUM RL67 DESIGN LIP OF KERB LEVEL EXISTING SURFACE LEVEL 9.861 CHAINAGE

KERB RETURN G LONGITUDINAL SECTION

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B. CUNNINGHAM 1:200 TGM GEELONG

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STAGE 9B HIGHTON VIC 3216

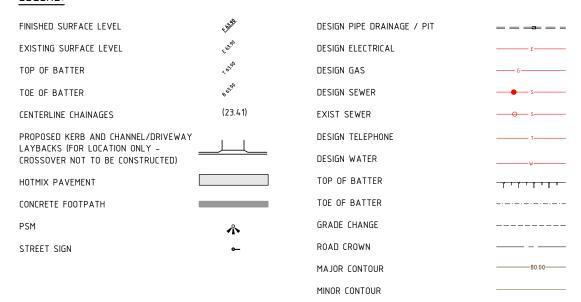
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& KERB RETURNS 007138-209B 7 0 25 8

939 *∰* 9⁄31 INTERSECTION DETAIL B

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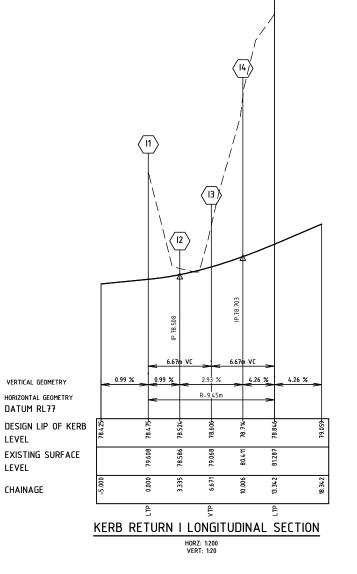
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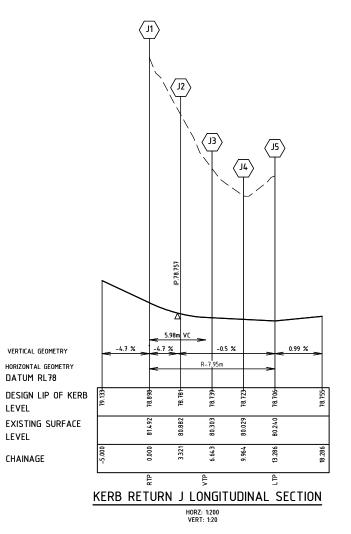
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DATUM RL77

LEVEL

LEVEL

CHAINAGE

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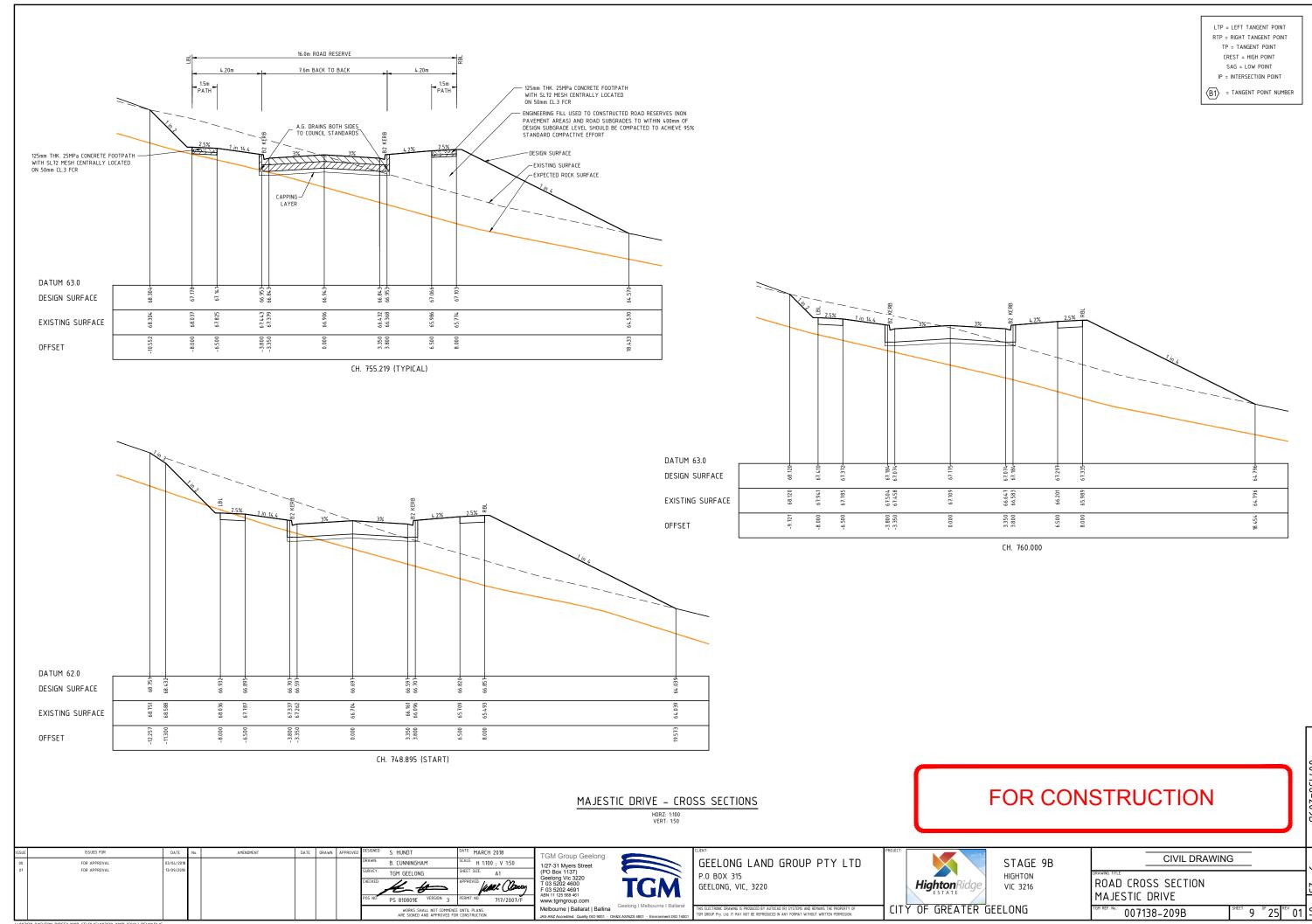


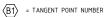
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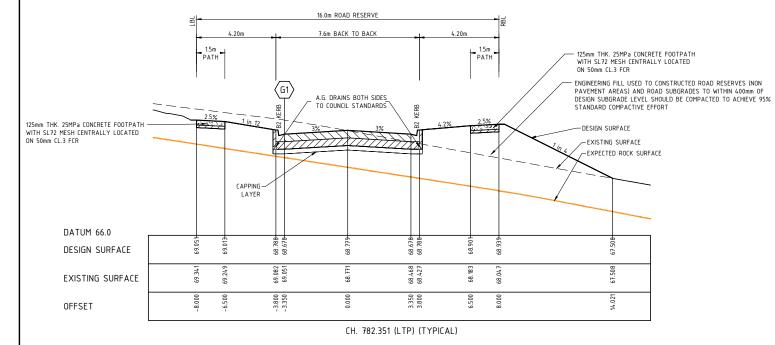
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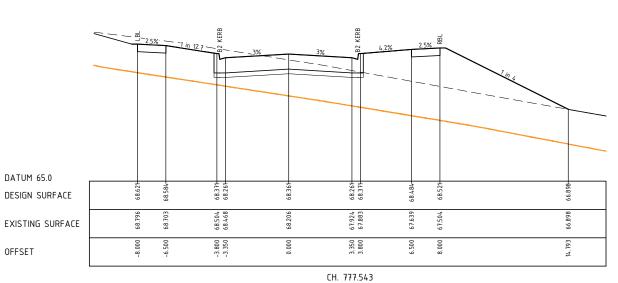
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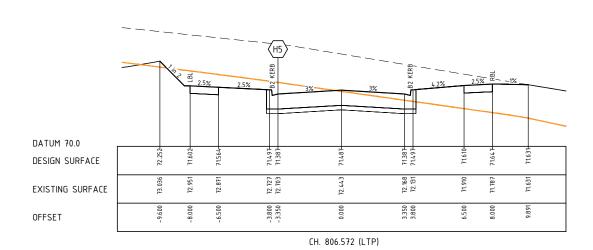
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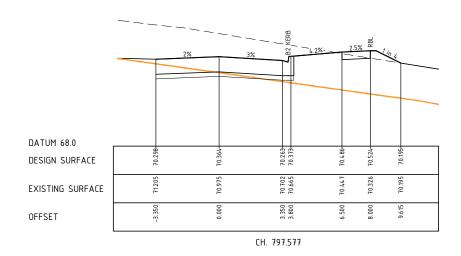












MAJESTIC DRIVE - CROSS SECTIONS

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STAGE 9B HIGHTON VIC 3216

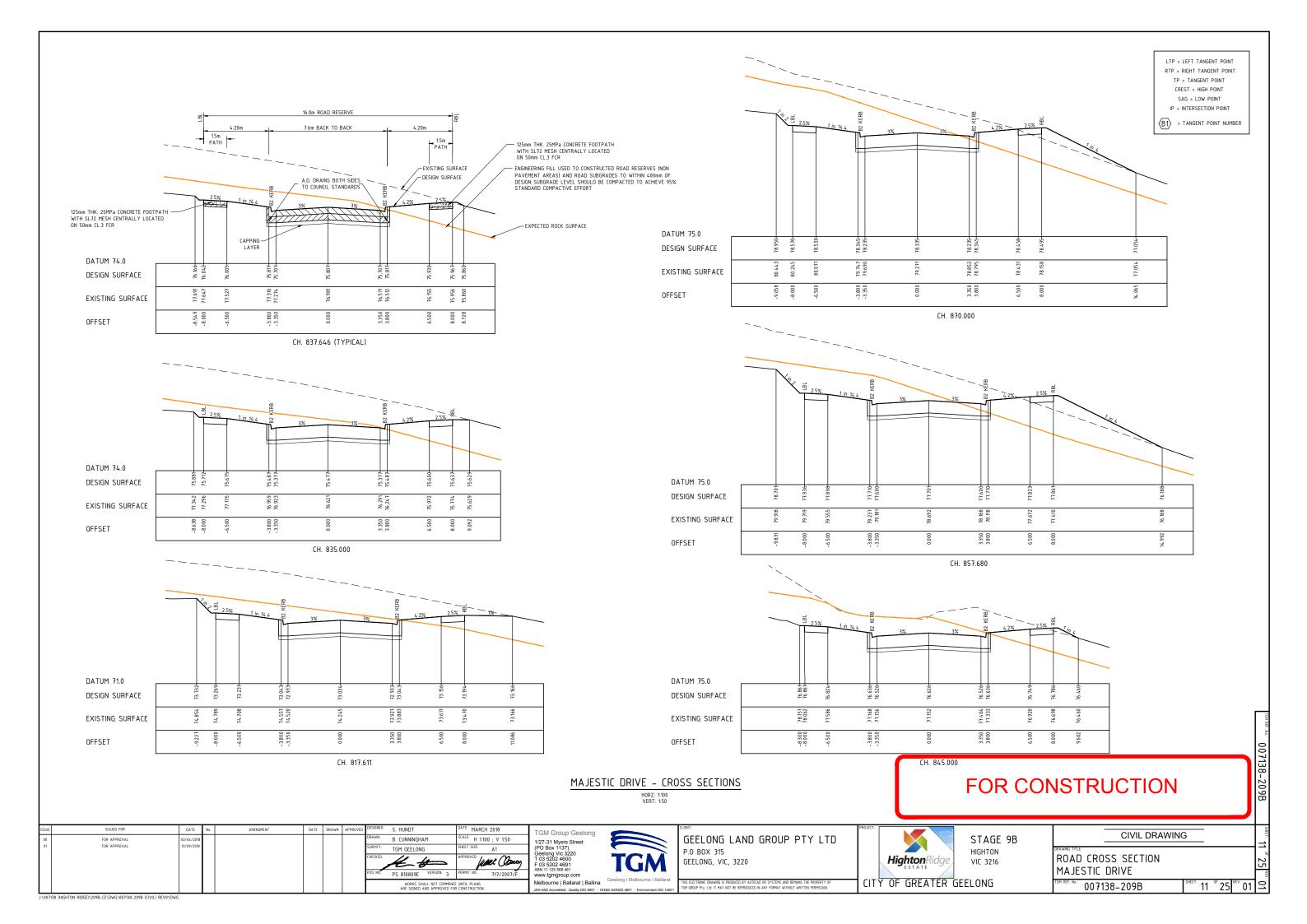
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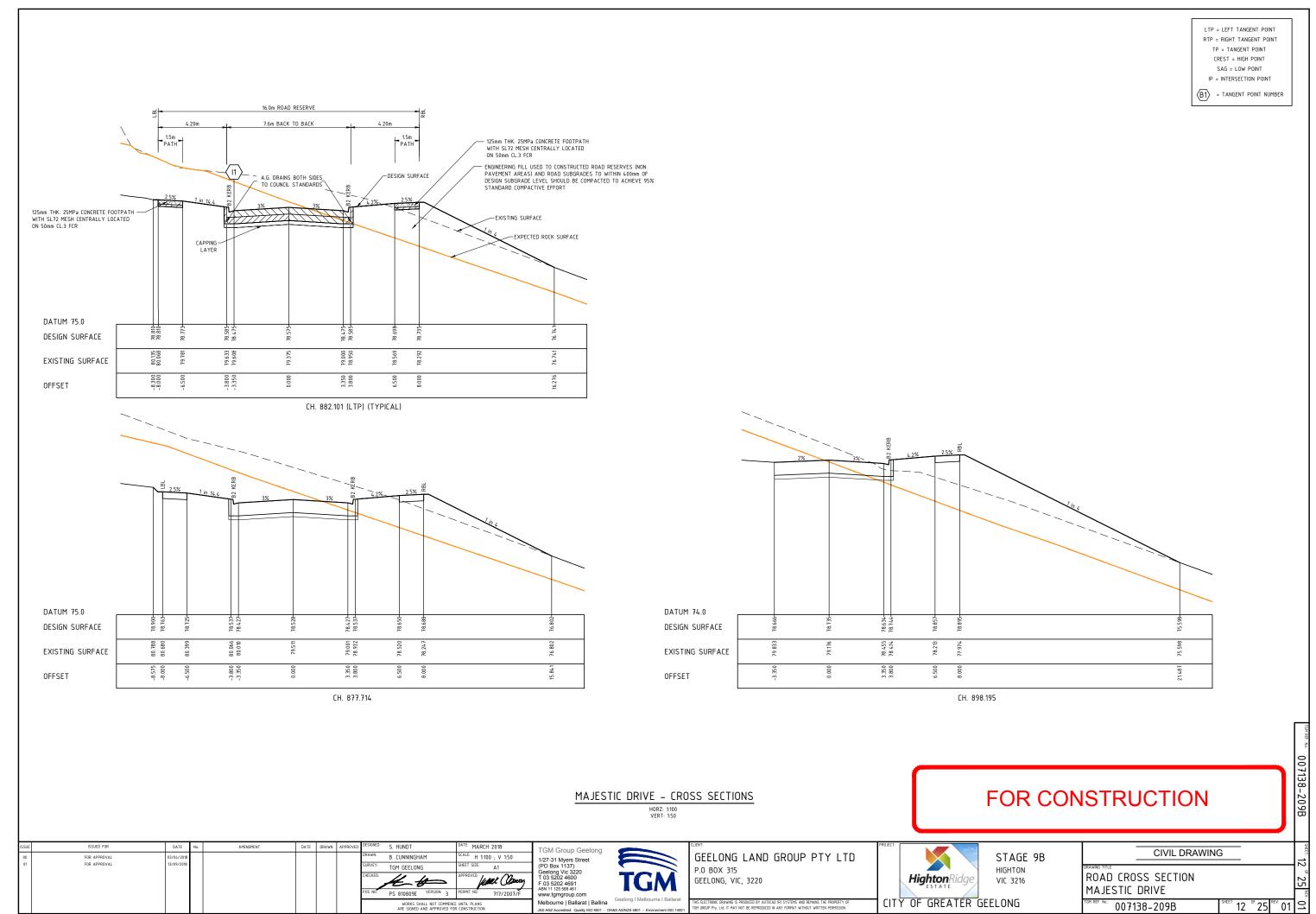
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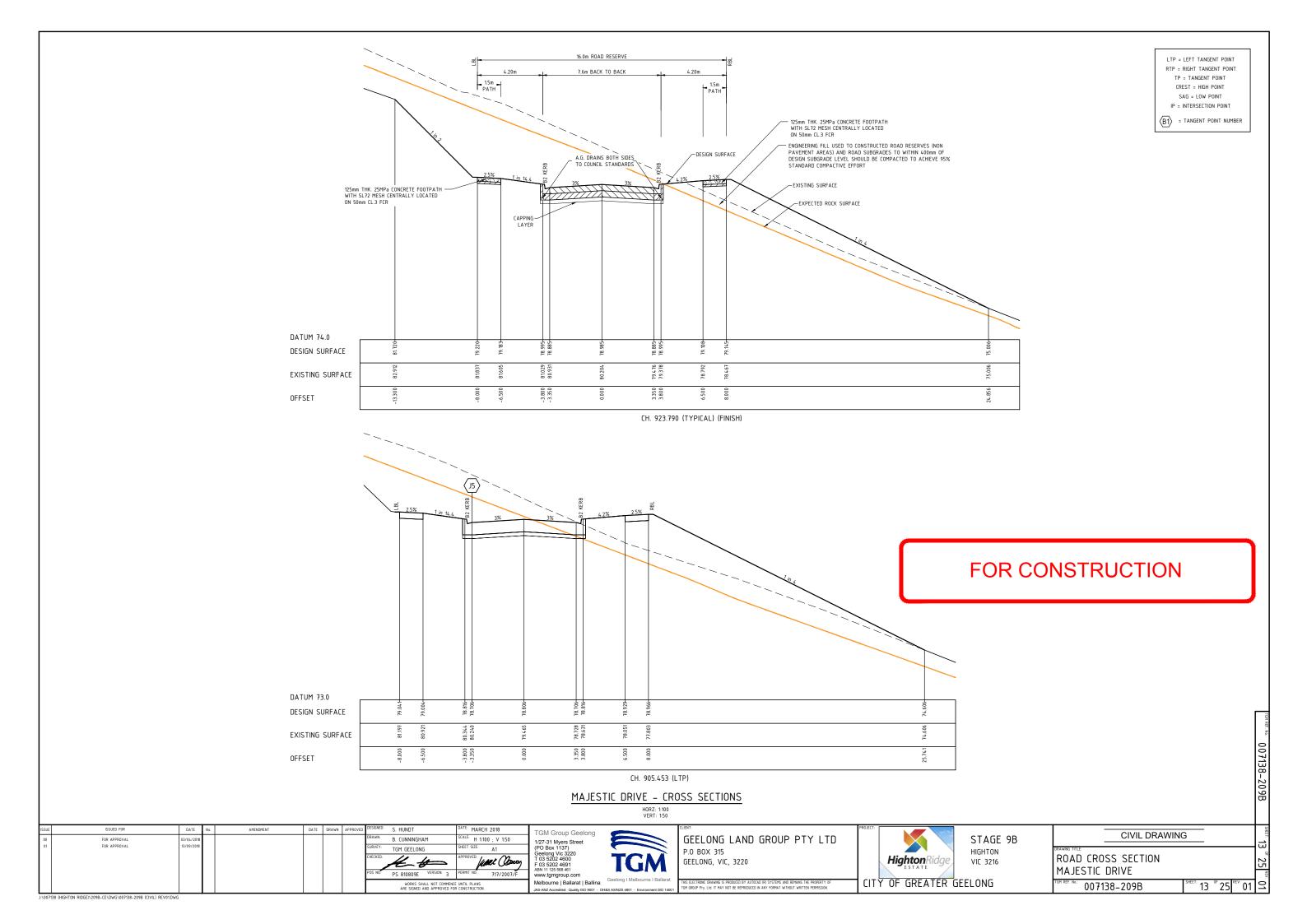
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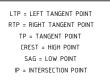
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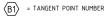
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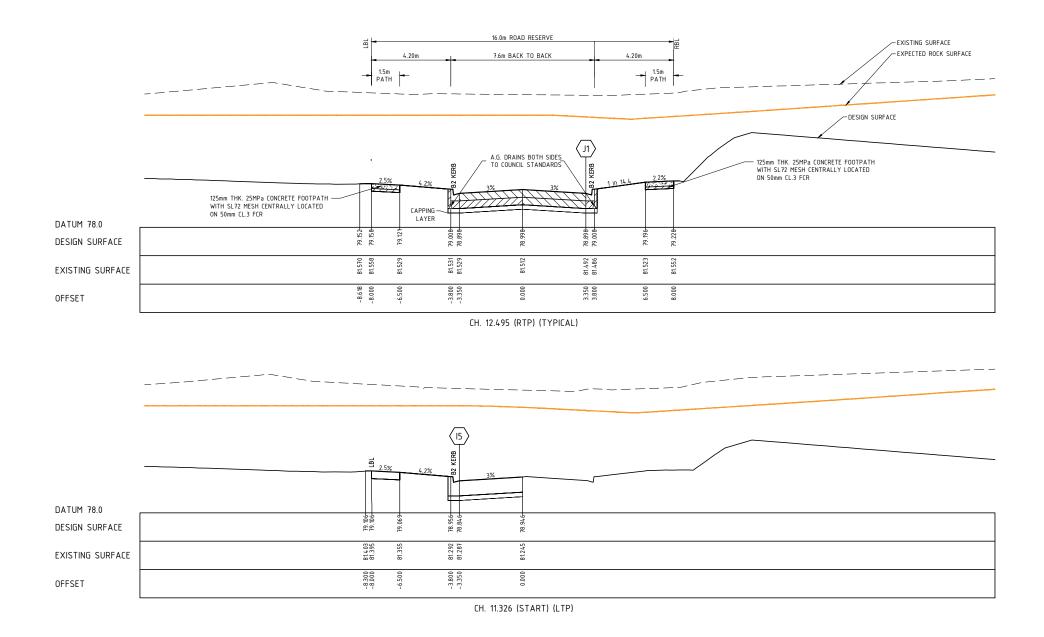












HIGHPOINT CRESCENT - CROSS SECTIONS

FOR CONSTRUCTION

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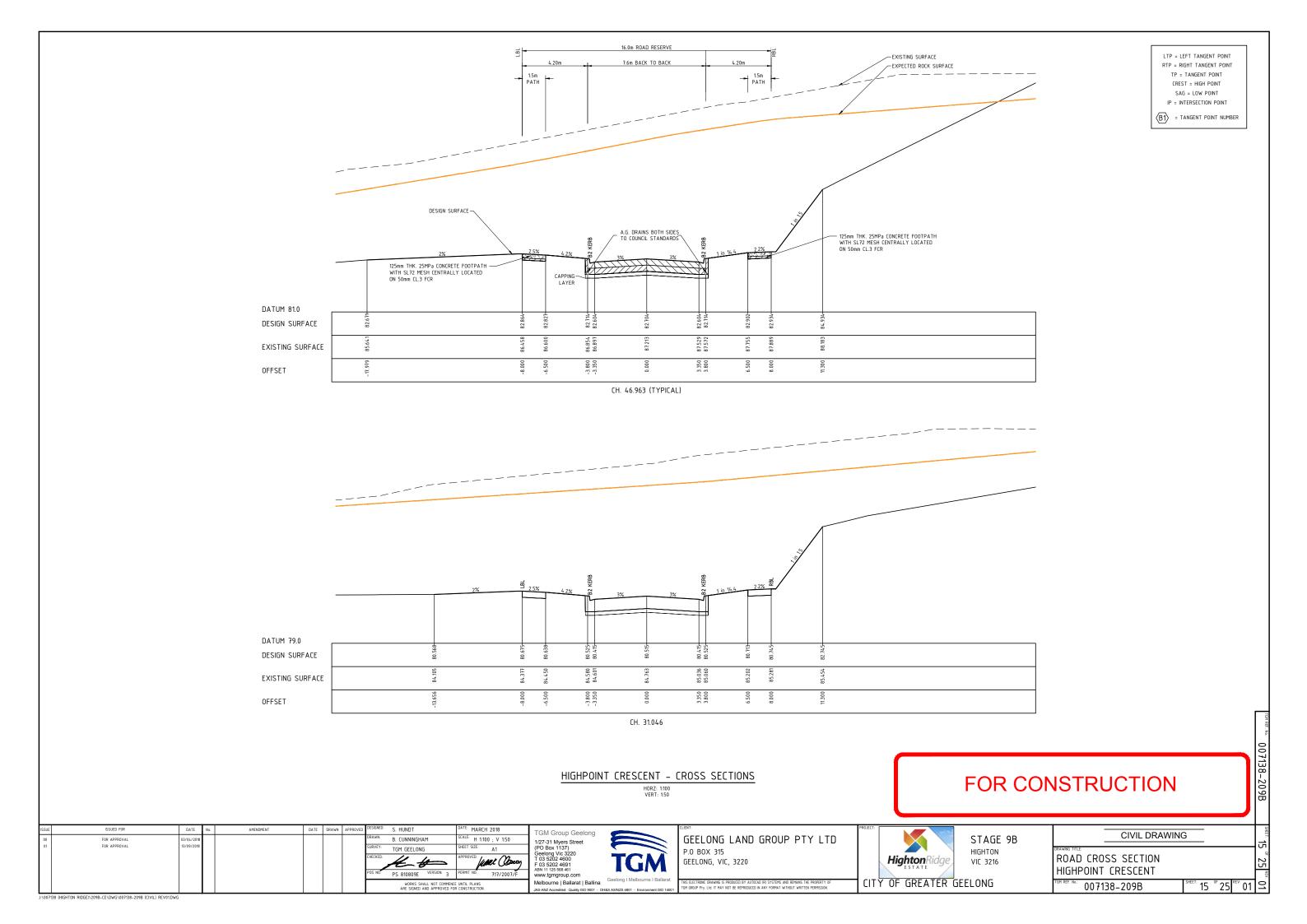
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CIT	Y OF GREATER (GEELONG

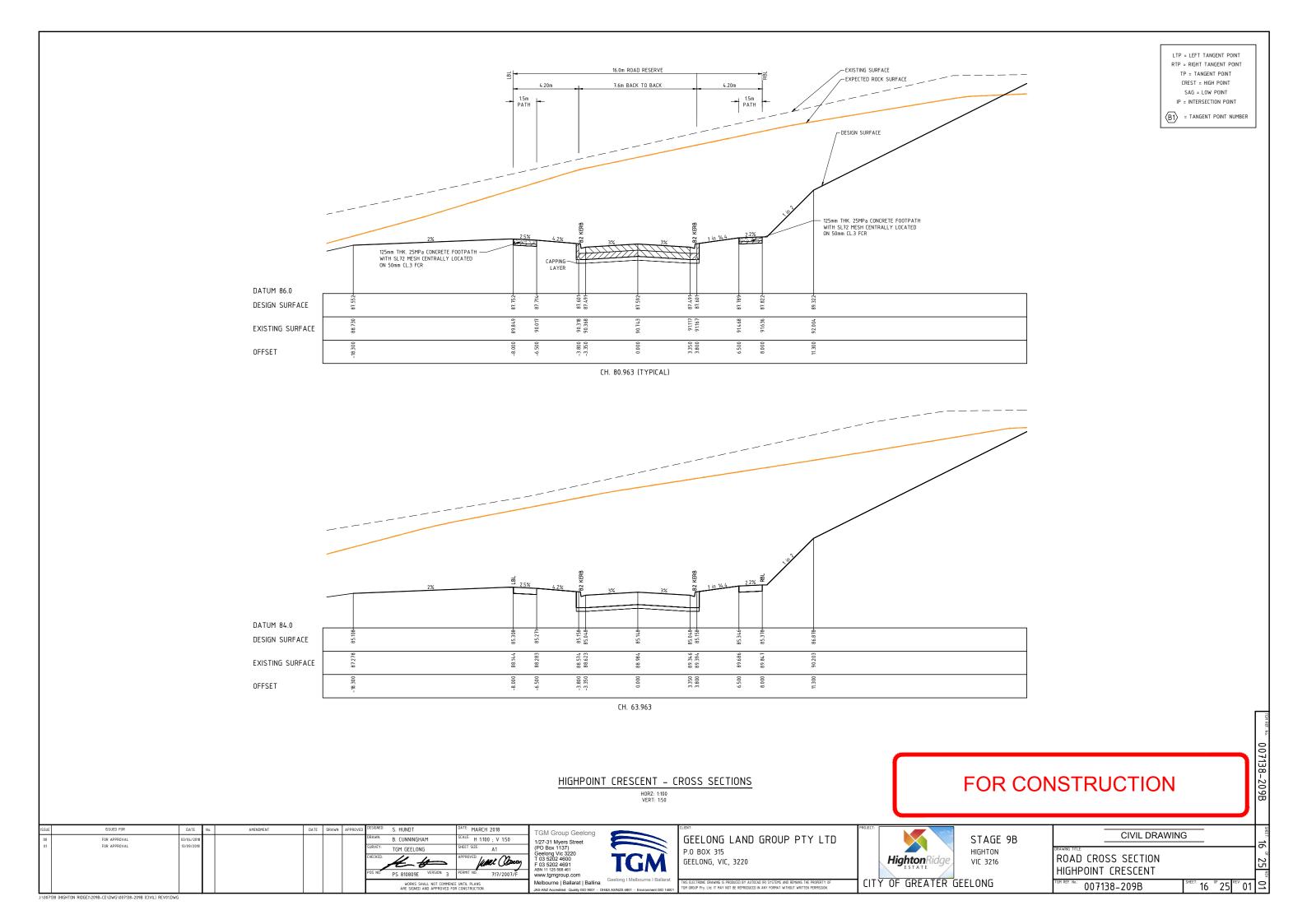
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CIVIL DRAWING ROAD CROSS SECTION

HIGHPOINT CRESCENT

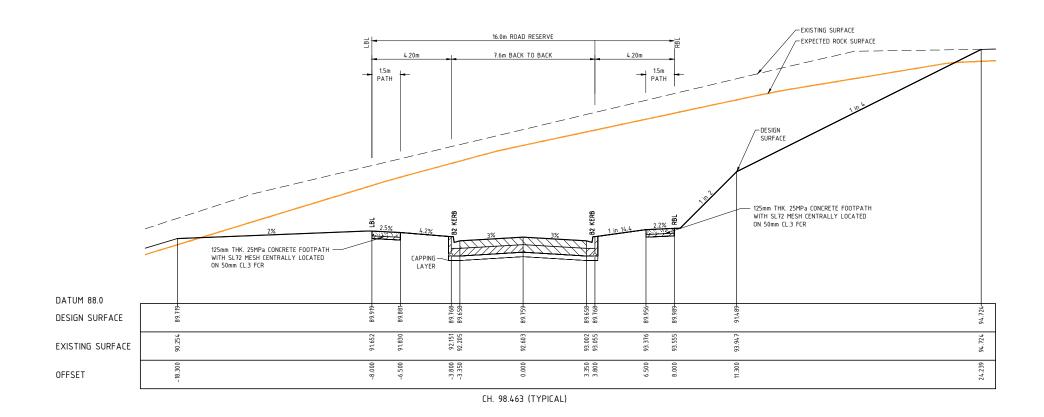
007138-209B 14 ° 25 REV: 01







(B1) = TANGENT POINT NUMBER



HIGHPOINT CRESCENT - CROSS SECTIONS

HORZ: 1:100 VERT: 1:50

FOR CONSTRUCTION

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED: S. HUNDT	DATE: MARCH 2018	TO
00	FOR APPROVAL	03/04/2018						DRAWN: B. CUNNINGHAM	SCALE: H 1:100 ; V 1:50	1/2
01	FOR APPROVAL	13/09/2018						SURVEY: TGM GEELONG	SHEET SIZE: A1	(P
								CHECKED:	APPROVED: WALL Obsery	Ge T (
								POS NO: PS 810809E VERSION: 3	PERMIT NO: 717/2007/F	ABI WW
								WORKS SHALL NOT COMMENCE ARE SIGNED AND APPROVED FOR		Me
								ARE SIGNED AND AFFROVED FOR	CONSTRUCTION.	JAS

TGM Group Geelong IGM Group Geelong
1/27-31 Myers Street
(PO Box 1137)
Geelong Vic 3220
T 03 5202 4600
F 03 5202 4691
ABM 11 125 589 461
www.tgmgroup.com
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GEELONG LAND GROUP PTY LTD P.O BOX 315 GEELONG, VIC, 3220

PRUJEL I:		No.	5
			STAG
			HIGHTON
	Hig	hton Ridge	VIC 3216
		ESTATE	
CIT.	Y OF	GREATER	GEELONG

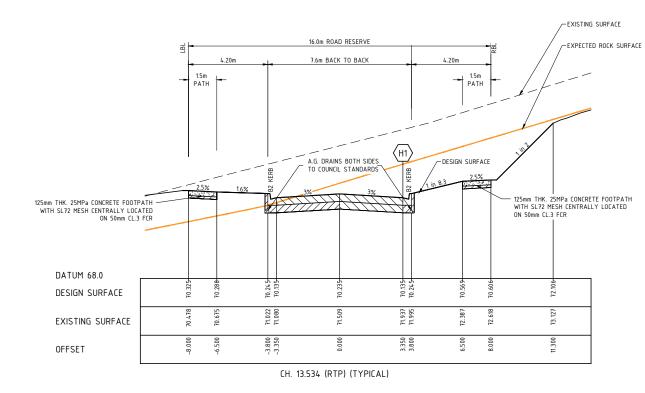
STAGE 9B HIGHTON VIC 3216

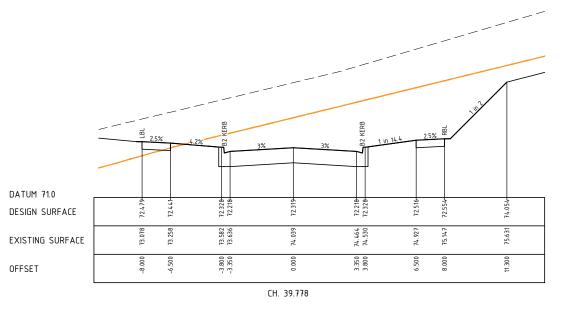
CIVIL DRAWING ROAD CROSS SECTION

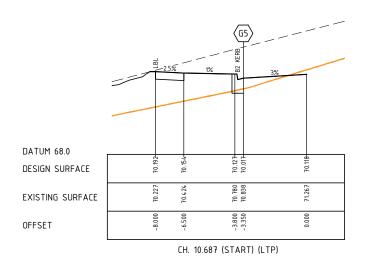
HIGHPOINT CRESCENT

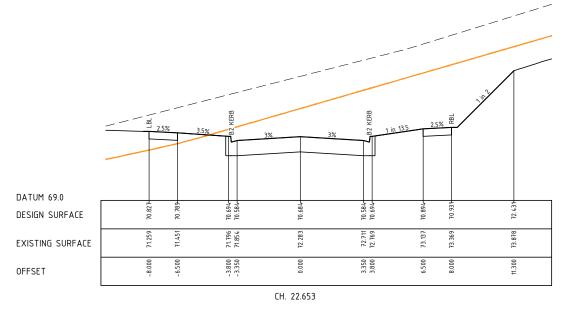
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AMELIA STREET - CROSS SECTIONS

HORZ: 1:100 VERT: 1:50

FOR CONSTRUCTION

L												
-	ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED:		DATE: MARCH 2018	T
Γ	00	FOR APPROVAL	03/04/2018						DRAWN:	B. CUNNINGHAM	SCALE: H 1:100 ; V 1:50	1/
1	01	FOR APPROVAL	13/09/2018						SURVEY:	TGM GEELONG	SHEET SIZE: A1	(P
١									CHECKED:	H-b-	APPROVED: WALL Closery	T F
1									POS NO:	PS 810809E VERSION: 3	PERMIT NO: 717/2007/F	AB W/
-1										WORKS SHALL NOT COMMENCE		Me
- 1			I	•	I		I	1	I	ARE SIGNED AND APPROVED FO	R LONSTRUCTION.	JAS

TGM Group Geelong 127-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4601 ABN 11 125 589 461 Www.tgmgroup.com Melbourne | Ballarat | Ballina



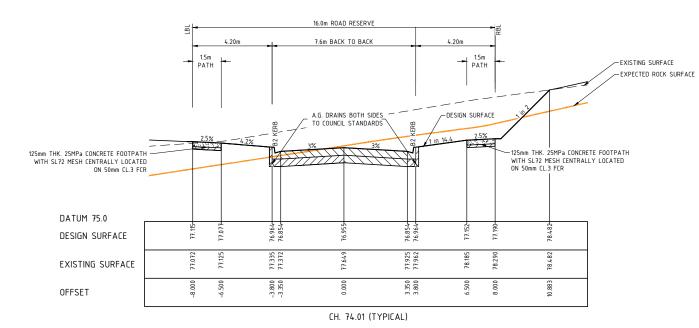
GEELONG LAND GROUP PTY LTD P.O BOX 315 GEELONG, VIC, 3220

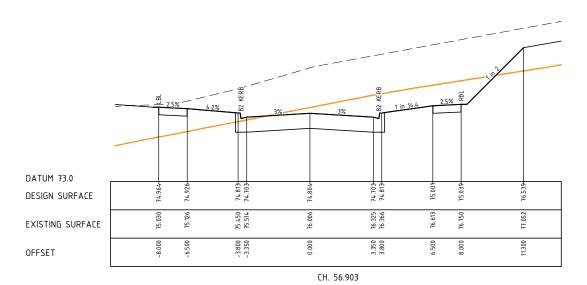
PROJECT:	HightonRidge ESTATE	STAG HIGHTON VIC 3216
CIT	Y OF GREATER (GEELONG

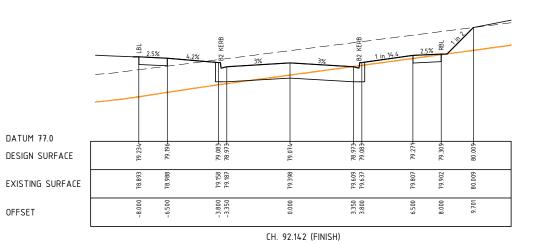
STAGE 9B HIGHTON VIC 3216

CIVIL DRAWING ROAD CROSS SECTION AMELIA STREET 007138-209B 18 ° 25 ° 01









AMELIA STREET - CROSS SECTIONS

FOR CONSTRUCTION

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ŀ	SSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED: S. HUNDT DATE: MARCH 2018	T
Γ	00		03/04/2018						DRAWN: B. CUNNINGHAM SCALE: H 1:100 ; V 1:50	1/2
1	01	FOR APPROVAL	13/09/2018						SURVEY: TGM GEELONG SHEET SIZE: A1	(P Ge
١									APPROVED: MARK Closedy	F
1									POS NO: PS 810809E VERSION: 3 PERMIT NO: 717/2007/F	AB WV
									WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.	Me JAS

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GEELONG LAND GROUP PTY LTD P.O BOX 315 GEELONG, VIC, 3220

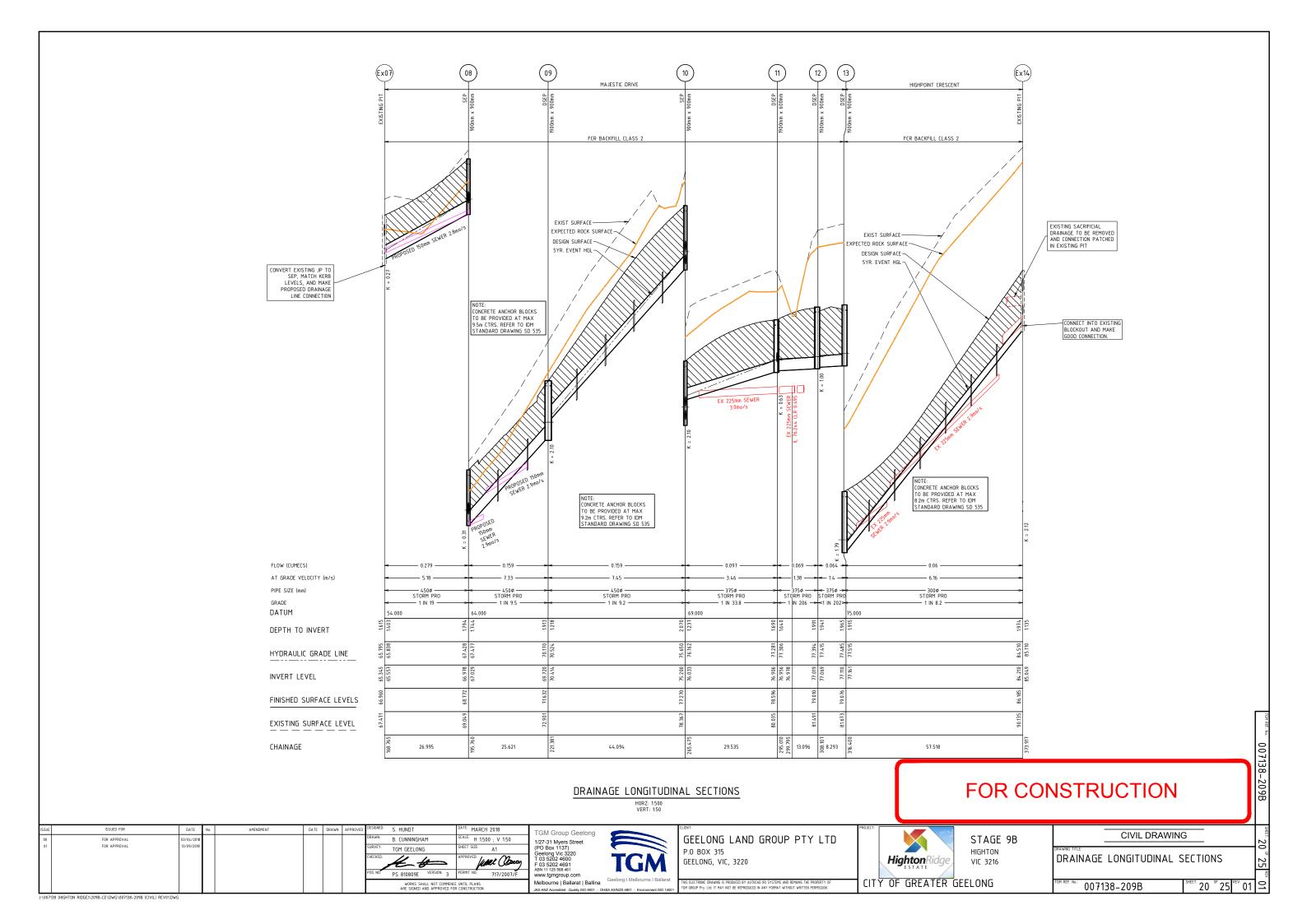
PROJECT:	Highton Ridge ESTATE	STAGI HIGHTON VIC 3216
CIT	Y OF GREATER (GEELONG

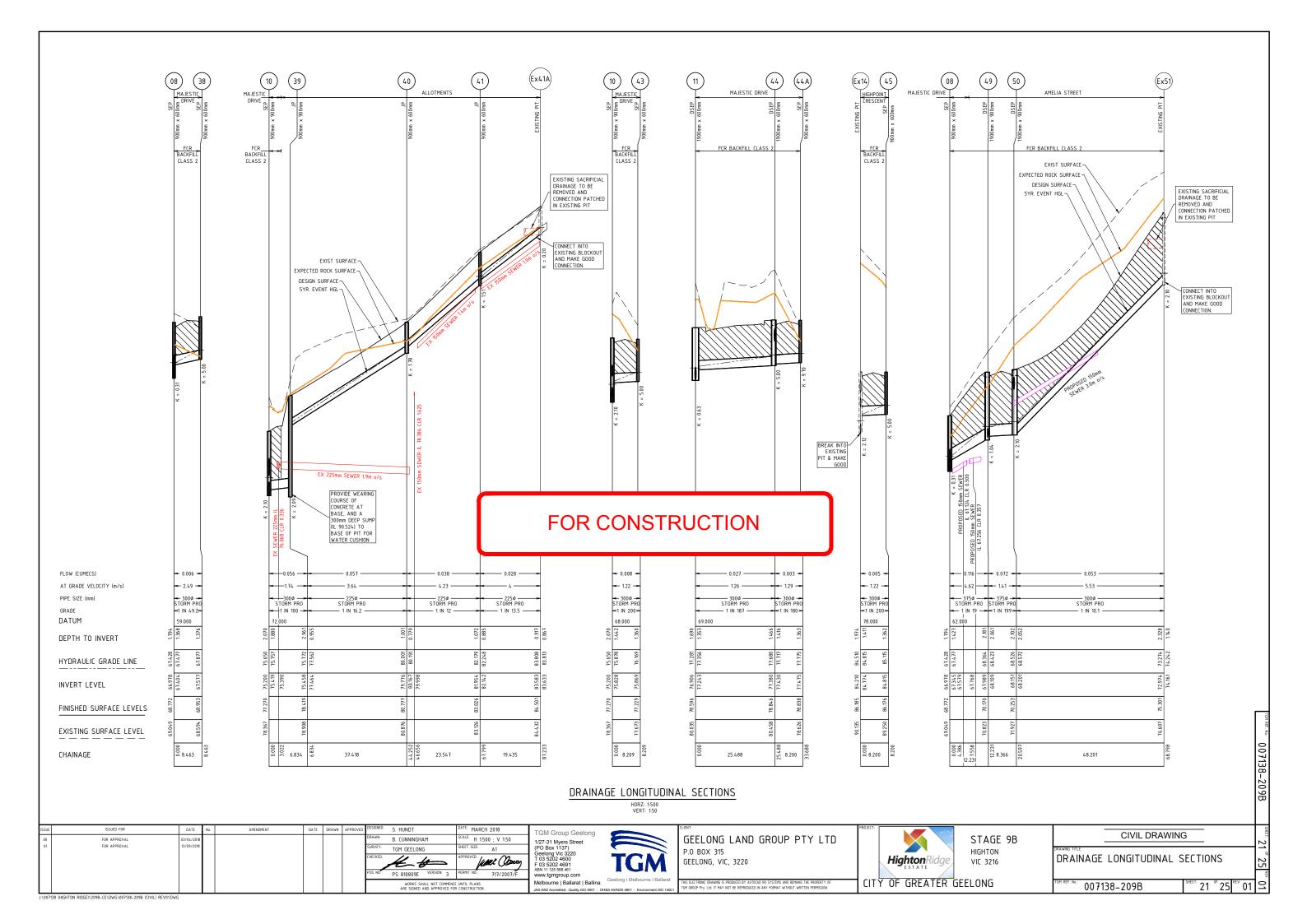
STAGE 9B HIGHTON VIC 3216

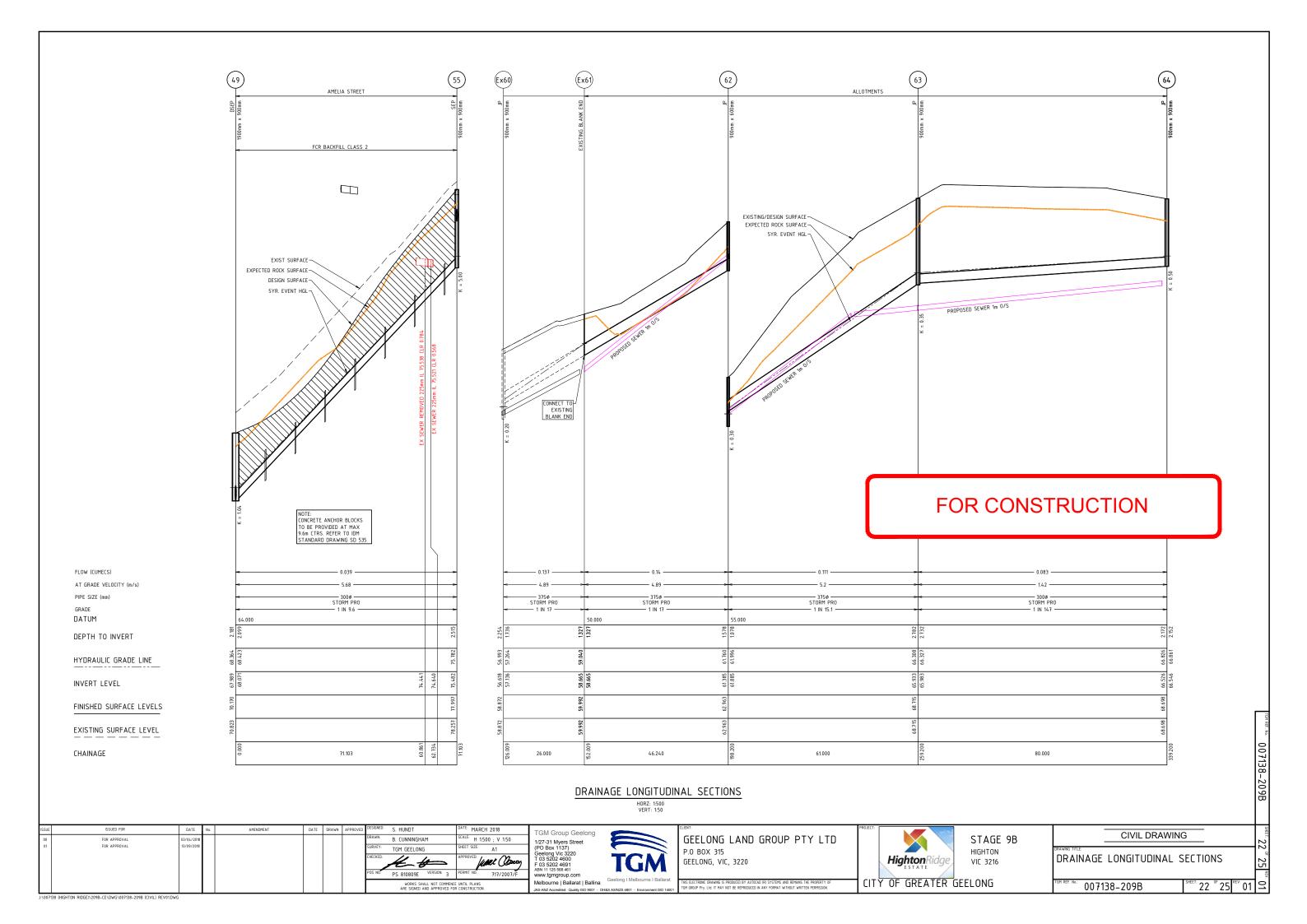
CIVIL DRAWING ROAD CROSS SECTION

AMELIA STREET

007138-209B 19 ° 25 ° 01







PIT SCHEDULE

PIT				INTER	IAIA	FROM	INLET		OUTLET		PIT PIT		COVER	
NAME	TYPE	EASTING	NORTHING	WD	LEN	PIT	DIA INV DIA INV		RL	DEPTH		REMARKS		
Ex07	Ex SEP	263087.255	5773165.867	900	600	08		65.557	450	65.345	66.960	1.615		Existing Pit
08	SEPx	263084.410	5773139.022	900	900	09	450	67.029	450	66,978	68,772	1.794		Refer IDM SD 430 / SD 410
						38	300	67.404						
						49	375	67.345						
09	DSEPxx	263081.710	5773113.544	1900	900	10	450	70.414	450	69.720	71.632	1.913	CLASS D	Refer IDM SD 445 / SD 410
10	SEPx	263077.062	5773069.695	900	900	11	375	76.033	450	75.200	77.270	2.070	CLASS D	Refer IDM SD 430 / SD 410
						39	300	75.390		İ				
						43	300	75.828						
11	DSEP	263073.949	5773040.325	1900	600	12	375	76.956	375	76.906	78.596	1.690	CLASS D	Refer IDM SD 445
						44	300	77.243						
12	DSEPxx	263081.143	5773029.817	1900	900	13	375	77.069	375	77.019	79.010	1.991	CLASS D	Refer IDM SD 445 / SD 410
13	DSEPxx	263080.127	5773021.597	1900	900	Ex14	300	77.161	375	77.110	79.076	1.965	CLASS D	Refer IDM SD 445 / SD 410
Ex14	Ex SEP	263135.643	5773006.557	900	900	Ex15	300	85.049	300	84.210	86.185	1.974	CLASS D	Existing Pit. Existing sacrificial drainage to be removed and connection patched in existing pit.
						45	300	84.774						
38	SEP	263076.035	5773137.806	900	600				300	67.577	68.953	1.376	CLASS D	Refer IDM SD 430
39	JPx	263083.893	5773069.663	900	900	40	225	77.464	300	75.458	78.419	2.961	CLASS B	Refer IDM SD 425 / SD 410. Provide wearing course of concrete & 300mm deep sump for water cushion.
40	JP	263121.311	5773069.488	900	600	41	225	79.998	225	79.776	80.777	1.001	CLASS B	
41	JP	263141.858	5773058.121	900	600	Ex41A		82.142	225	81.954	83.026	1.072	CLASS B	
Ex41A	Ex JP	263160.560	5773052.837	900	600	Ex42	225	83.633	225	83.583	84.501	0.917		Existing Pit. Existing sacrificial drainage to be removed and connection patched in existing pit.
Ex42	Ex JP	263178.835	5773047.673	900	600				225	84.954	85.915	0.962	CLASS B	Existing Pit
43	SEP	263068.949	5773070.944	900	600				300	75.869	77.229	1.360	CLASS D	Refer IDM SD 430
	0050						244							
44	DSEP	263070.069	5773015.135	1900	600	44A	300	77.430	300	77.380	78.846	1.466	CLASS D	
44A	SEP	263061.979	5773016.475	900	600				300	77.475	78.838	1.363	CLASS D	Refer IDM SD 430
	SEP	263137.787	5773014.471	000	600				300	01.045	06.476	1.362	CLASS D	Refer IDM SD 430
45	SEP	263131.181	5113014.411	900	600				300	84.815	86.176	1.362	LLASS D	RETER IUM SU 430
49	DSEPxx	263091.480	5773129.042	1900	900	50	375	68.109	375	67.989	70.170	2.181	CLASS D	Refer IDM SD 445 / SD 410
49	DSEPXX	203091.400	5113129.042	1900	900	55	300	68.071	313	01.909	10.110	2.101	LLASS D	RETER 1011 SU 445 / SU 410
50	DSEPxx	263089.518	5773120.909	1900	900	51	300	68.201	375	68.151	70.253	2.102	CLACC D	Refer IDM SD 445 / SD 410
Ex51	Ex SEP	263135.808	5773107.472	900	900		300	74.161	300	72.974	75.301	2.102	CLASS D	
55	SEPx	263159.715	5773107.472	900	900			74.101	300	75.482	77.997	2.515	CLASS D	
35	JEFX	203137.713	160.701	700	700				300	73.402	11.771	2.313	LLASS D	NH 0C 1 VC+ 0C 1 IOI 1919/1
Ex61	B.END	263040.089	5773195.908			62	375	58.665	375	58.665	59.992	1.327		Existing Blank End
62	JP JP	263032.537	5773150.289	900	600	63	375	61.885	375	61.385	62.963	1.578	CLASS B	
63	JPx	263022.575	5773090.108	900	900	64	300	65.983	375	65.933	68.715	2.782	CLASS B	
64	JPx	263009.509	5773011.182	900	900	FUT.A	225	66.546	300	66.526	68.698	2.172	CLASS B	Refer IDM SD 425 / SD 410
134	21 ^	203007.307	5.75011.102	/**	700	101.4		55.540	200	30.320	30.070	2.172	CLASS D	1107 CT 1017 CD 425 7 CD 410

1. ALL SETOUT POINTS QUOTED TO CENTRE OF 900x600 PIT e.g.:





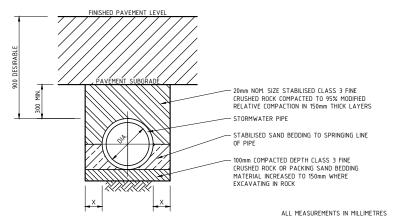


2. SEP PITS NOTED WITH 'x' TO BE HAUNCHED TO A 900x600 (INTERNAL) OPENING WITH APPROPRIATE COVER.

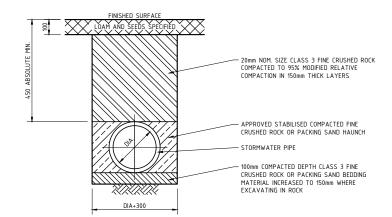
3. DSEP PITS NOTED WITH 'xx' TO BE HAUNCHED TO A 1900x600 (INTERNAL) OPENING WITH APPROPRIATE COVER.

4. ALL HAUNCHING TO BE IN ACCORDANCE WITH IDM SD 410

ALL DRAINAGE PIT LIDS ARE TO BE 'TERRA-FIRMA' OR APPROVED EQUIVELANT.



UNDER ROAD PAVEMENT BACKFILL DETAIL



BEHIND KERB

- 1. TRENCHING DETAILS INDICATIVE ONLY AND SHOULD BE INSTALLED TO MANUFACTURERS SPECIFICATIONS.
 2. WHERE PIPE IS BEHIND KERB AND CHANNEL, INSTALL ONE METRE (Im) MINIMUM OF APPROVED 90 CLASS 400 SLOTTED/PEFFORATED SUBSOIL DRAIN WITH GEOTEXTILE SOCK SURROUND INTO PIT IN LIEU OF SUB-SOIL DRAINAGE BEHIND KERB.
 3. BACKFILL DESIGN TO BE IN ACCORDANCE WITH CEMENT & CONCRETE ASSOCIATION OF AUSTRALIA PIPE CLASS' REQUIREMENTS. BACKFILL UNDER ROAD PAVEMENT TO BE STABILISED WHERE CCAA INFORMATION IS NOT AVAILABLE.
 4. APPROVAL MAY BE GIVEN FOR USE OF BACKFILL MATERIAL OTHER THAN CRUSHED ROCK WHERE IT CAN BE DEMONSTRATED THAT A MINIMUM OF 95% MODIFIED RELATIVE COMPACTION CAN BE ACHIEVED.
 5. CEMENT, CONCRETE OR CEMENT STABILISED CRUSHED ROCK TO BE USED WHERE SETTLEMENT OF TRENCH WILL EFFECT INFRASTRUCTURE.

FOR CONSTRUCTION

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01	FOR APPROVAL	13/09/2018						SURVEY: TGM GEELONG SHEET SIZE: A1	(P
								APPROVED: MARIL Classes	T F
								OS NO: PS 810809E VERSION: 3 PERMIT NO: 717/2007/F	AB WV
								WORKS SHALL NOT COMMENCE UNTIL PLANS	Me

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GEELONG LAND GROUP PTY LTD P.O BOX 315 GEELONG, VIC, 3220



STAGE 9B HIGHTON VIC 3216

CIVIL DRAWING

DRAINAGE PIT SCHEDULE

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