

1. 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.
2. ALL ROADWORKS SIGNAGE IS TO BE IN ACCORDANCE WITH VICROADS WORKSITE TRAFFIC MANAGEMENT CODE OF PRACTICE INCORPORATING AS 1742.3.

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.
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.

- a) GIVE 5 DAYS 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 0.6m FROM ANY SITE BOUNDARY IN THE ROAD RESERVE AND SHALL MATCH THE EXISTING SURFACE FINE LEVEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING 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 OF INTENTION TO COMMENCE EXCAVATION OPERATIONS TO THE CHIEF HSE OFFICER. INSPECTOR OF THE INTENTION TO COMMENCE EXCAVATION OPERATIONS WHERE ANY TRENCH IS 1.5m 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 CHECKED AND APPROVED.
- i) COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY (CONFINED SPACES) REGULATIONS AND CODE OF PRACTICE FOR CONFINED SPACES.
- j) BE RESPONSIBLE FOR THE CONSTRUCTION AND/OR ANY OTHER REQUIRED TESTING OF THE PAVEMENT MATERIAL BY AN APPROVED GEOTECHNICAL CONSULTANT AS AND WHEN DIRECTED BY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.

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.

30. CIVIL CONTRACTOR TO CONTACT SUPERINTENDENT MINIMUM OF 7 DAYS PRIOR TO POURING ANY KERB & CHANNEL TO ENSURE THAT DRIVEWAY LOCATIONS HAVE NOT ALTERED.

1. PIPE DRAINAGE WITHIN ROADWAYS TO BE REINFORCED CONCRETE PIPES – CLASS 2 UNLESS OTHERWISE SHOWN.
2. ALL REINFORCED CONCRETE PIPES ARE TO BE RUBBER JOINTED.
3. PIPES IN EASEMENTS ARE TO BE RUBBER JOINTED OR UPVC SEWER CLASS PIPES WITH SOLVENT CEMENT JOINTS.
4. 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 AS 3996.
5. ALL PITS ARE TO BE SET OUT FROM SURVEY CO-ORDINATES USING SET OUT POINTS DETAILED IN THE COGG STANDARD DRAWINGS.
6. ALL PIPES UNDER FOOTPATHS, DRIVEWAYS AND BEHIND BACK OF KERB SHALL BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 95% MODIFIED COMPACTION IN 150mm MAXIMUM LAYERS.
7. CONTRACTOR TO USE 2% CEMENT STABILISED SAND FROM THE BOTTOM OF THE STORMWATER PIPE TO THE SPRINGLINE. DRAINAGE IS CONSTRUCTED UNDER THE ROAD. CLASS 3 CRUSHED ROCK TO BE USED FOR BACKFILL FROM THE SPRINGLINE TO THE PAVEMENT SUB-BASE.
8. PIPEWORK AT ALL PITS TO BE WELL ALIGNED TO ENSURE FLOW IS GUIDED DIRECTLY TO OUTLET PIPE.
9. ALL PIPELINES ARE TO BE INSPECTED VIA CCTV AT PRACTICAL COMPLETION AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
10. PROPERTY INLET PITS TO BE LOCATED 1M FROM THE LOW CORNER UNLESS OTHERWISE SHOWN.
11. 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).
12. HOUSE DRAINS ARE TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE AT THE LOT BOUNDARY UNLESS OTHERWISE SHOWN.
13. EASEMENT DRAIN CONNECTION TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE UNLESS OTHERWISE SHOWN.
14. 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.
15. 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.
16. WATER AND GAS SERVICE CONDUITS SHALL BE LOCATED CLEAR OF ALL DRIVEWAY CROSSINGS AND SHALL EXTEND FROM THE POINT OF SUPPLY TO AT LEAST 500mm INSIDE THE HOUSE LOT TO BE SERVICED AND LEFT EXPOSED UNTIL INSPECTED BY COGG SUBDIVISIONS ENGINEER.
17. WATER CONDUITS ARE TO BE LOCATED AT LEAST 6.5m FROM SIDE BOUNDARY.
18. 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 REFERRED.
19. 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.
20. 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.
21. 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.
22. ALL DRAINAGE PIT LIDS ARE TO BE 'TERRA-FIRMA' OR APPROVED EQUIVALENT COUNCIL DESIGN NOTE 13.
23. ALL STORMPRO PIPES TO BE INSTALLED IN ACCORDANCE WITH VINNEX STORMPRO INSTALLATION GUIDE VIN331.
24. NOTE: STORMPRO MAXIMUM VELOCITY IS 8m/s, AS PER VINNEX STANDARDS.



# HIGHTON, Vic 3216

SHEET 1	REV 00	INDEX AND NOTES
SHEET 2	REV 00	ROAD LAYOUT PLAN
SHEET 3	REV 00	MASTER SERVICE PLAN
SHEET 4	REV 00	ROAD LONGITUDINAL SECTION – MOSMAN WAY
SHEET 5	REV 00	ROAD LONGITUDINAL SECTIONS – REGAL STREET & KARRAKATTA GROVE
SHEET 6	REV 00	INTERSECTION DETAIL A AND KERB RETURNS
SHEET 7	REV 00	INTERSECTION DETAIL B AND KERB RETURNS
SHEET 8	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 9	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 10	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 11	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 12	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 13	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 14	REV 00	ROAD CROSS SECTIONS – MOSMAN WAY
SHEET 15	REV 00	ROAD CROSS SECTIONS – REGAL STREET
SHEET 16	REV 00	ROAD CROSS SECTIONS – KARRAKATTA GROVE
SHEET 17	REV 00	DRAINAGE LONGITUDINAL SECTIONS
SHEET 18	REV 00	DRAINAGE LONGITUDINAL SECTIONS
SHEET 19	REV 00	DRAINAGE PIT SCHEDULE & TYPICAL DETAILS
SHEET 20	REV 00	SIGNAGE AND LINEMARKING PLAN

30mm COMPACTED THICKNESS 7mm NOM. TYPE 'N' HOT-MIX ASPHALT - WEARING COURSE

PRIME COAT APPLICATION TO COUNCIL REQUIREMENTS

150mm COMPACTED THICKNESS CLASS 2/20m F.C.R. - BASE COURSE

250mm COMPACTED THICKNESS CLASS 3/20mm F.C.R. - SUB BASE COURSE

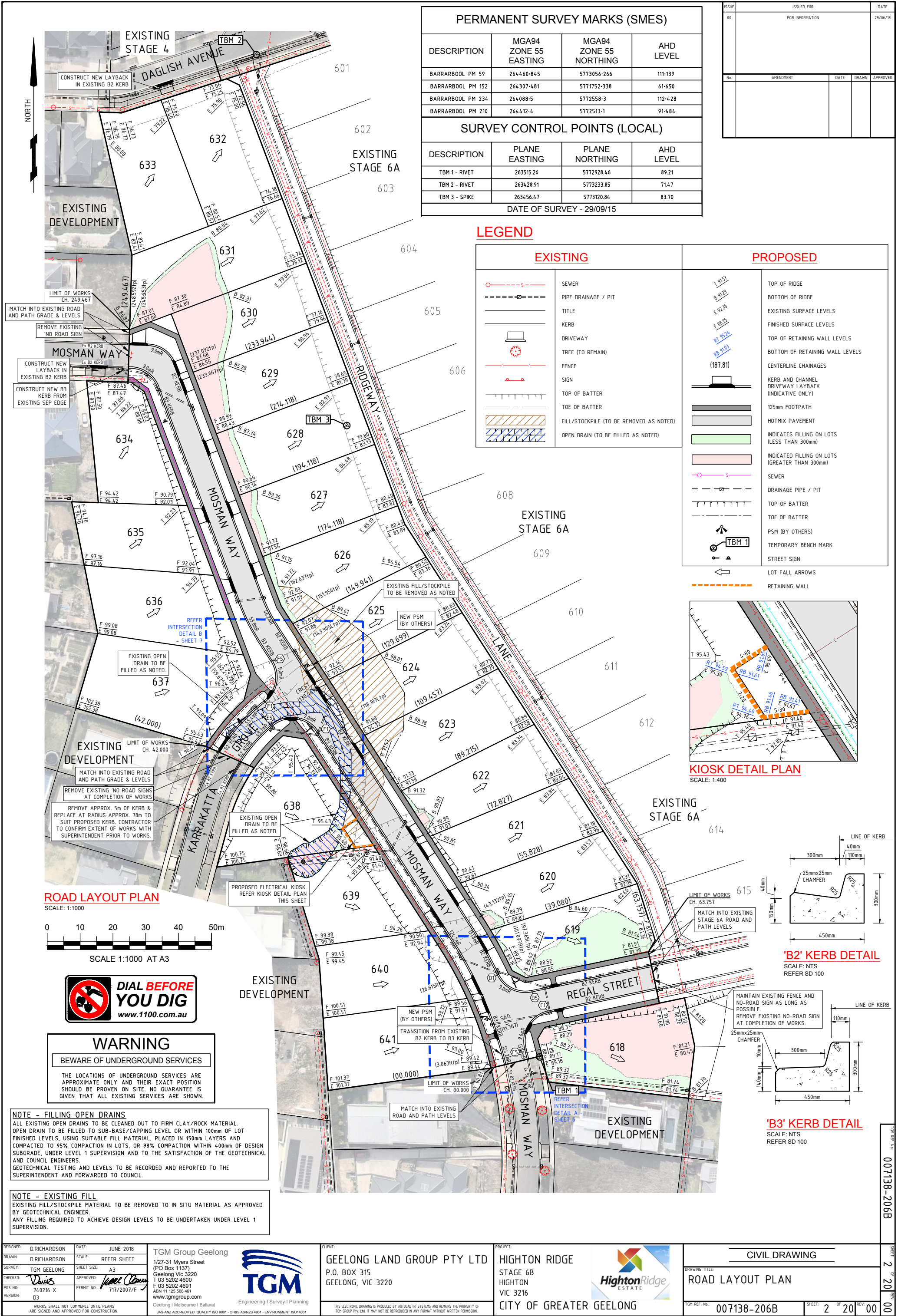
150mm COMPACTED THICKNESS TYPE A MATERIAL AS PER SECTION 204 OF VICROADS WITH A SWELL EQUAL TO OR LESS THAN 15% - (CAPPING LAYER IN LIEU OF STABILISATION IN LINE WITH COUNCIL REQUIREMENTS)

APPROVED CLAY SUBGRADE

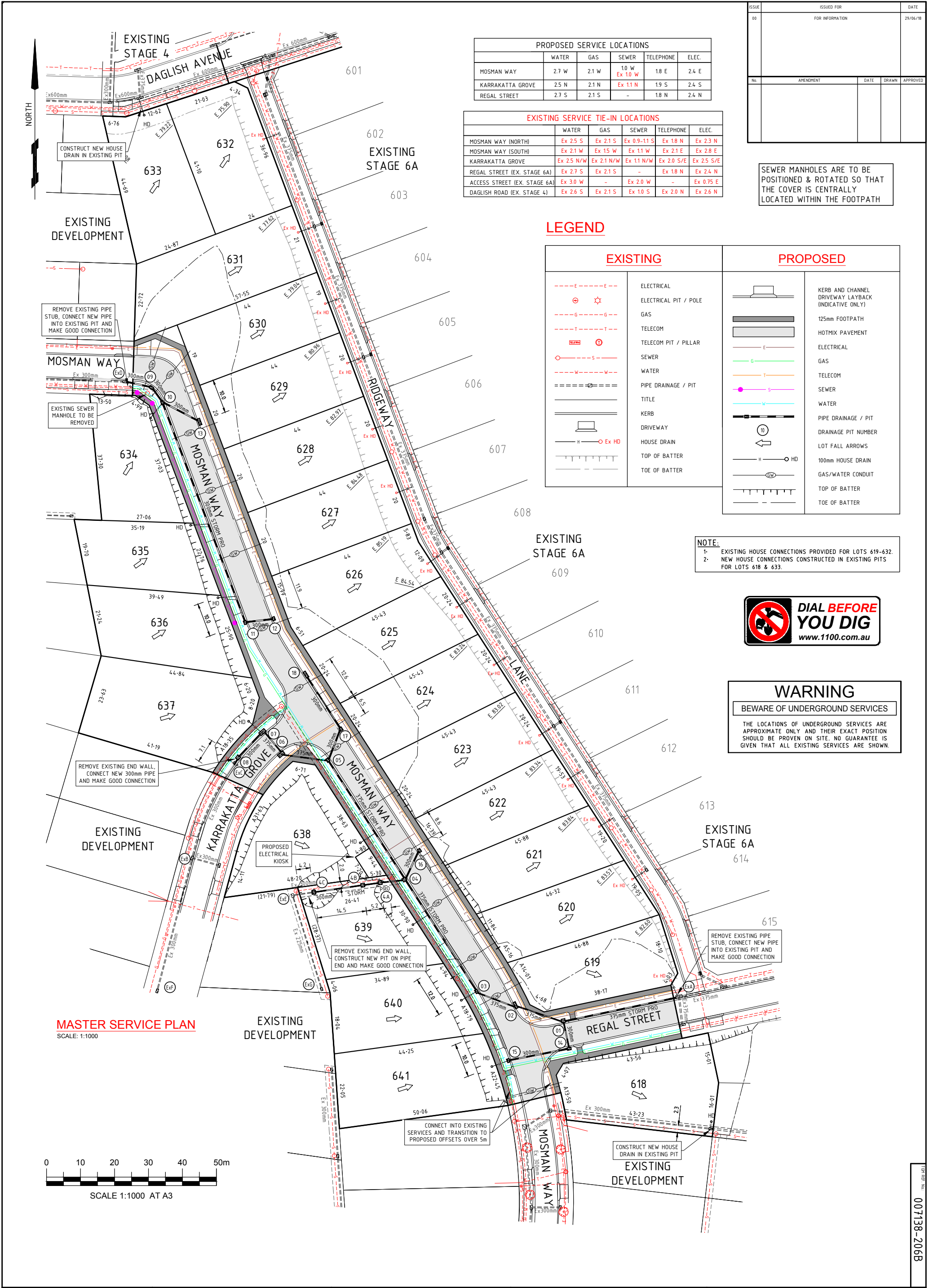
30mm COMPACTED THICKNESS 7mm NOM. TYPE 'N' HOT-MIX ASPHALT - WEARING COURSE  
PRIME COAT APPLICATION TO COUNCIL REQUIREMENTS  
150mm COMPACTED THICKNESS CLASS 2/20m F.C.R. - BASE COURSE  
250mm COMPACTED THICKNESS CLASS 3/20m F.C.R. - SUB BASE COURSE  
APPROVED SUBGRADE (ROCK)

[illegible]

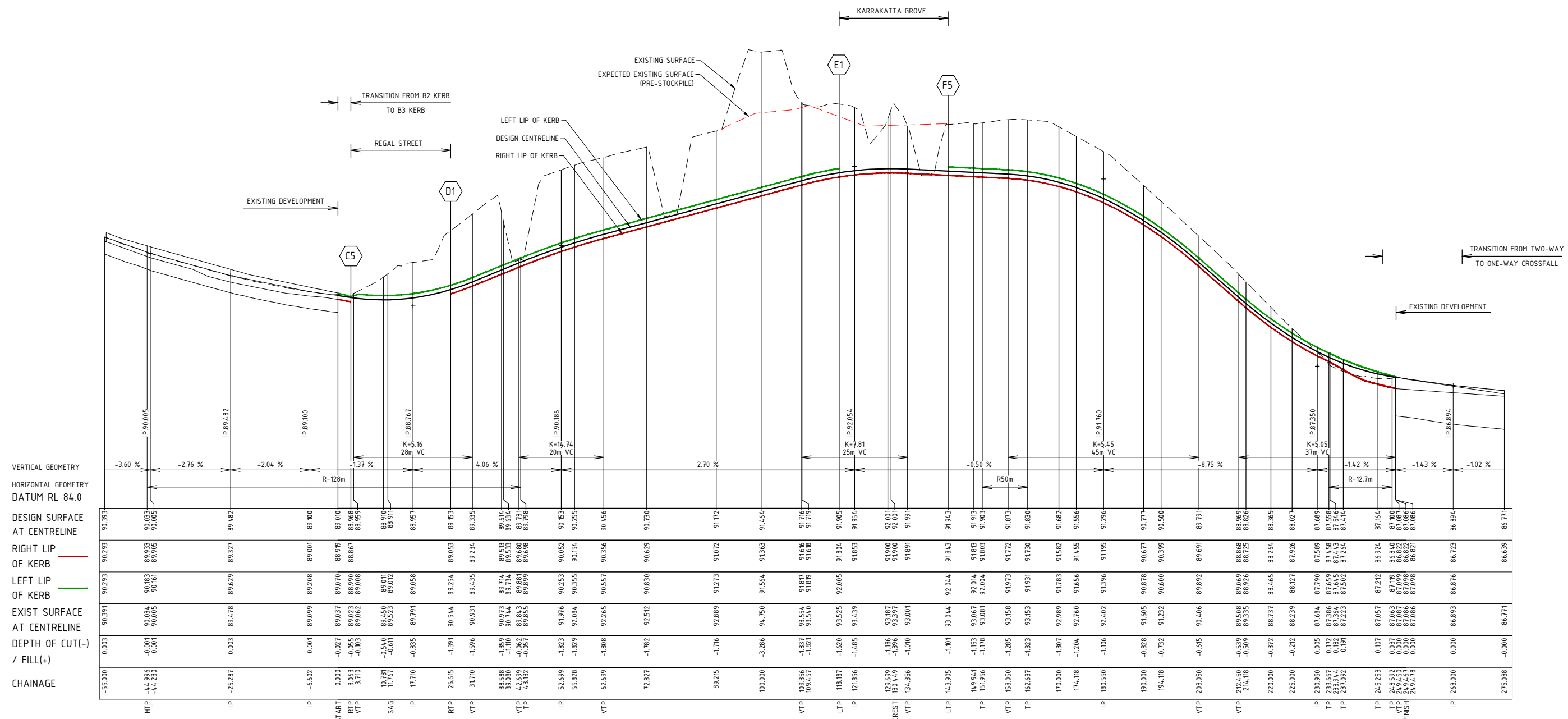








LTP = LEFT TANGENT POINT  
RTP = RIGHT TANGENT POINT  
TP = TANGENT POINT  
CREST = HIGH POINT  
SAG = LOW POINT  
IP = INTERSECTION POINT  
B1 = TANGENT POINT NUMBER



NOTE - EXISTING FILL  
EXISTING FILL/STOCKPILE MATERIAL TO BE REMOVED TO IN SITU MATERIAL AS APPROVED BY GEOTECHNICAL ENGINEER.  
ANY FILLING REQUIRED TO ACHIEVE DESIGN LEVELS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION.

MOSMAN WAY - ROAD LONGITUDINAL SECTION

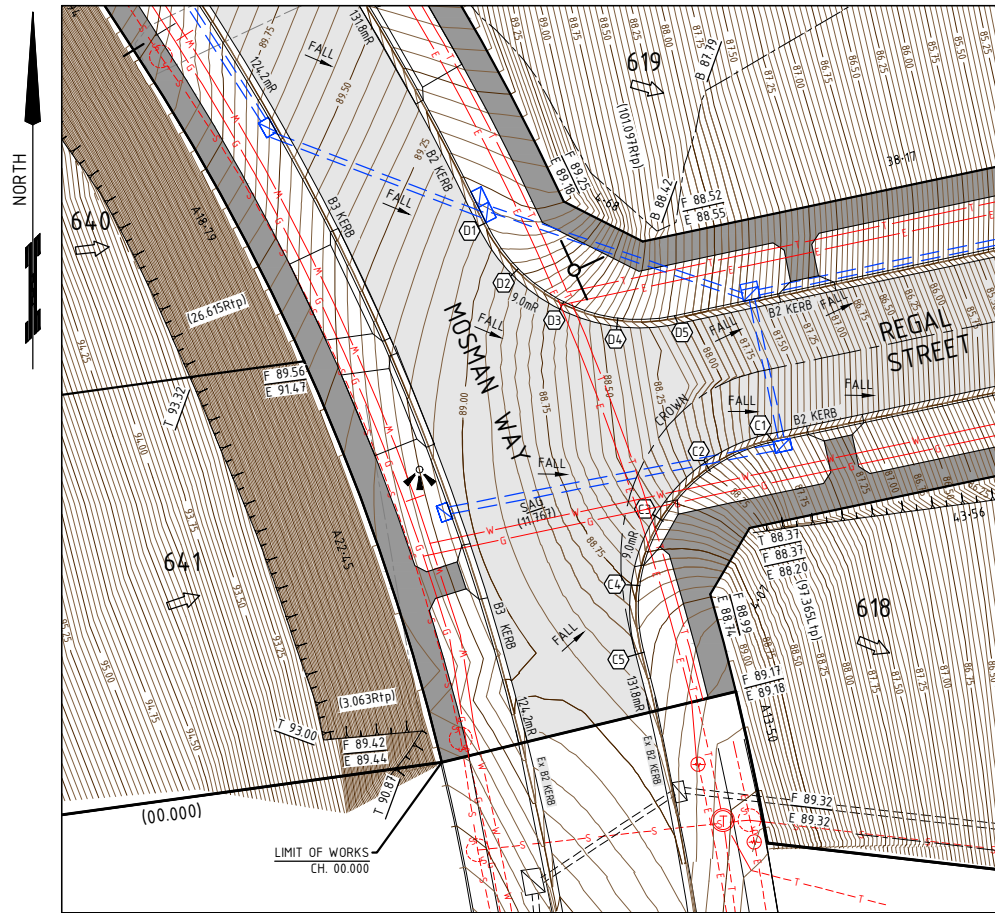
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ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	TGM Group Geelong	CLIENT	PROJECT	CIVIL DRAWING
00	FOR APPROVAL	10/07/18						D.RICHARDSON	1:1000	JUNE 2018	1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 ABN 11 125 568 461 www.tgmgroup.com	GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220	HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216	DRAWING TITLE: ROAD LONGITUDINAL SECTION MOSMAN WAY TGM REF. No: 007138-2068
								D.RICHARDSON	SCALE: H 1:1000 V 1:100		Geelong   Melbourne   Ballarat	THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (R) SYSTEMS AND REMAINS THE PROPERTY OF TGM GROUP PTY LTD. IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.	CITY OF GREATER GEELONG	
								TGM	SHEET SIZE: A3					
								CHECKED: <i>Davis</i>						
								APPROVED: <i>sgp</i>						
								POS NO: PS 740216 X						
								VERSION: D3						
								PERMIT NO: 717/2007/F						
								WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.						
								JAS-ANZ Accredited. Quality ISO 9001 - CHMS AS/NZS 4801 - Environment ISO 14001						



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	D.RICHARDSON	DATE:	JUNE 2018	TGM Group Geelong 1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4800 F 03 5202 4691 ABN 11 125 568 461 <a href="http://www.tgmgroup.com">www.tgmgroup.com</a>	CLIENT:	GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220	PROJECT:	HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216		CIVIL DRAWING
00	FOR APPROVAL	10/07/18						DRAWN: SURVEY: CHECKED: PS NO.: PS 740216 X VERSION: D3 PERMIT NO.: 717/2007/F	D.RICHARDSON TGM GEELONG <i>Davis</i> WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.	SCALE: H 1:1000 V 1:100 SHEET SIZE: A3 APPROVED: <i>Sah P</i> Melbourne   Ballarat   Ballarat JAS-ANZ Accredited: Quality ISO 9001 - OH&S AS/NZS 4801 - Environment ISO 14001	THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD RVT SYSTEMS AND REMAINS THE PROPERTY OF TGM GROUP Pty Ltd. IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.						DRAWING TITLE: ROAD LONGITUDINAL SECTIONS REGAL STREET & KARRAKATTA GROVE TGM REF. No.: 007138-206B	SHEET: 5 OF 20 REV: 00





INTERSECTION DETAIL A

SCALE: 1:400

LEGEND

PROPOSED	EXISTING
<div><div>E 89.44</div><div>F 88.37</div><div>T 90.87</div><div>B 87.79</div><div>(187.81)</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>

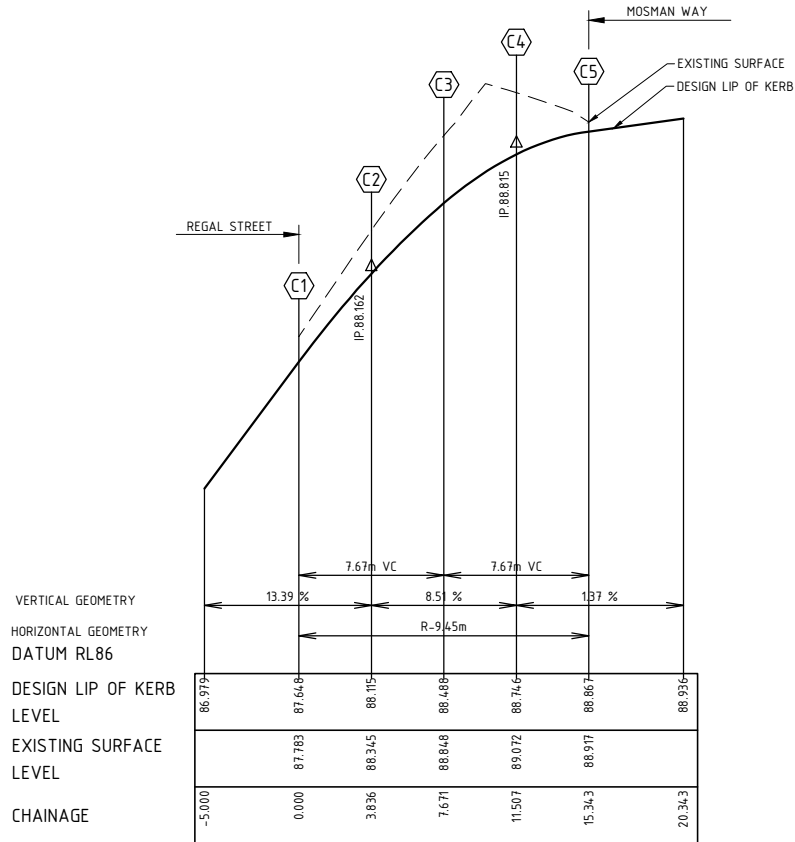


WARNING

BEWARE OF UNDERGROUND SERVICES

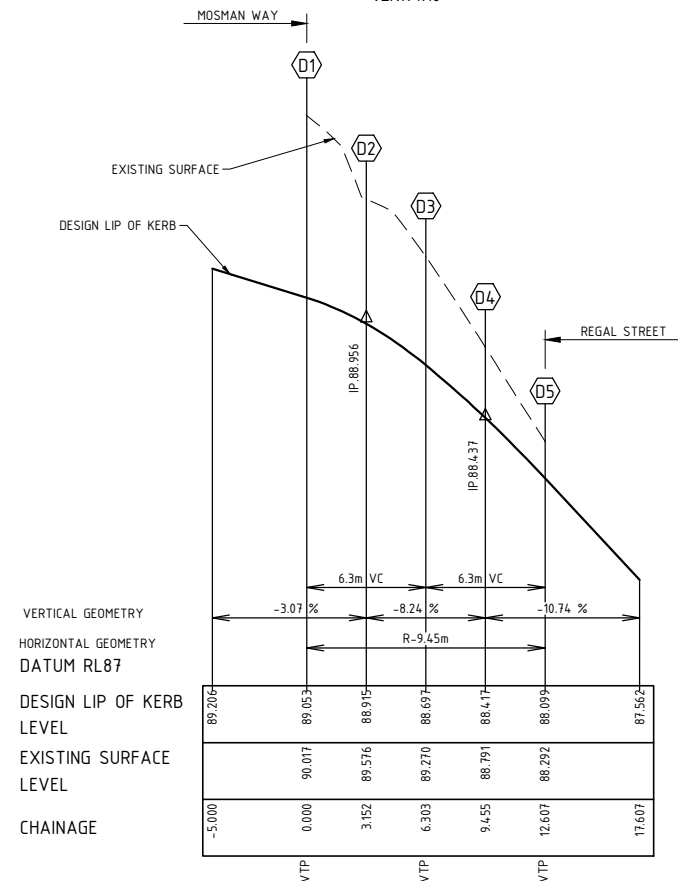
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOTE:  
FOOTPATH TO BE GRADED FROM PERPENDICULAR TO THE KERB TANGENTS SO AS TO EVEN OUT THE GRADES. ALL WORKS TO BE RE-CONFIRMED ON SITE WITH THE SUPERINTENDENT AND COUNCIL INSPECTION PRIOR TO POURING CONCRETE PATH.



KERB RETURN C - LONGITUDINAL SECTION

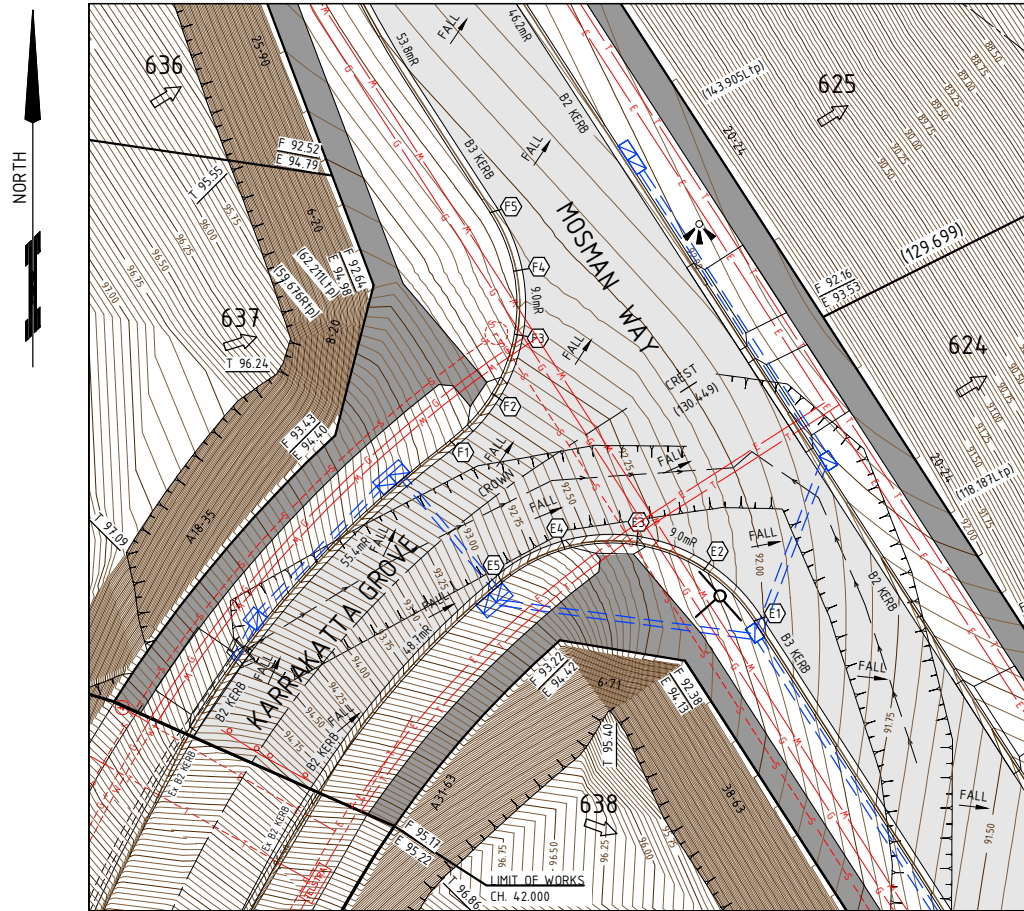
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KERB RETURN D - LONGITUDINAL SECTION

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ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	DRAWING TITLE	TOP REF. No.	SHEET	OF	REV.
00	FOR APPROVAL	10/07/18						D.RICHARDSON	REFER SHEET	JUNE 2018	GEELONG LAND GROUP PTY LTD	HIGHTON RIDGE	INTERSECTION DETAIL A & KERB RETURNS	007138-206B	6	20	00



INTERSECTION DETAIL B  
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LEGEND

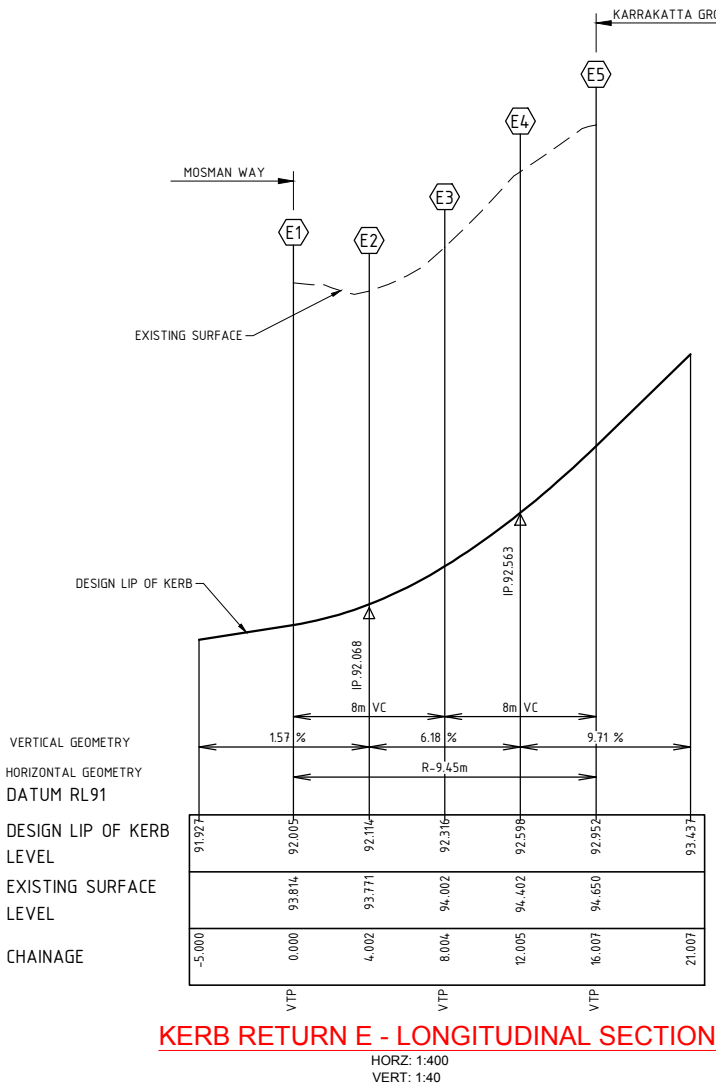
PROPOSED		EXISTING	
E 89.44	EXISTING SURFACE LEVELS	---E---E---	ELECTRICAL
F 88.37	FINISHED SURFACE LEVELS	⊕ ⊗	ELECTRICAL PIT / POLE
T 90.87	TOP OF RIDGE LEVELS	---G---G---	GAS
B 87.79	TOE OF RIDGE LEVELS	---T---T---	TELECOM
(187.81)	CENTERLINE CHAINAGS	---S---S---	TELECOM PIT / PILLAR
	KERB AND CHANNEL DRIVEWAY LAYBACK (INDICATIVE ONLY)	---W---W---	SEWER
	HOTMIX PAVEMENT	---P---P---	WATER
	125mm FOOTPATH	==D==D==	PIPE DRAINAGE / PIT
E	ELECTRICAL	---B---B---	TOP OF BATTER
G	GAS	---F---F---	TOE OF BATTER
T	TELSTRA		
W	WATER		
---P---P---	DRAINAGE PIPE/PIT		
	LOT FALL ARROWS		
	STREET SIGN		
	MINOR CONTOURS (0.05m)		
	MAJOR CONTOURS (0.25m)		
	ROAD CROWN		

NOTE:  
ALL EXISTING OPEN DRAINS TO BE CLEANED OUT TO FIRM CLAY/ROCK MATERIAL.  
OPEN DRAIN TO BE FILLED TO SUB-BASE/CAPPING LEVEL USING SUITABLE FILL MATERIAL, PLACED IN 150mm LAYERS AND COMPACTED TO 95% COMPACTION UNDER LEVEL 1 SUPERVISION AND TO THE SATISFACTION OF THE GEOTECHNICAL AND COUNCIL ENGINEERS. GEOTECHNICAL TESTING AND LEVELS TO BE RECORDED AND REPORTED TO THE SUPERINTENDENT AND FORWARDED TO COUNCIL.

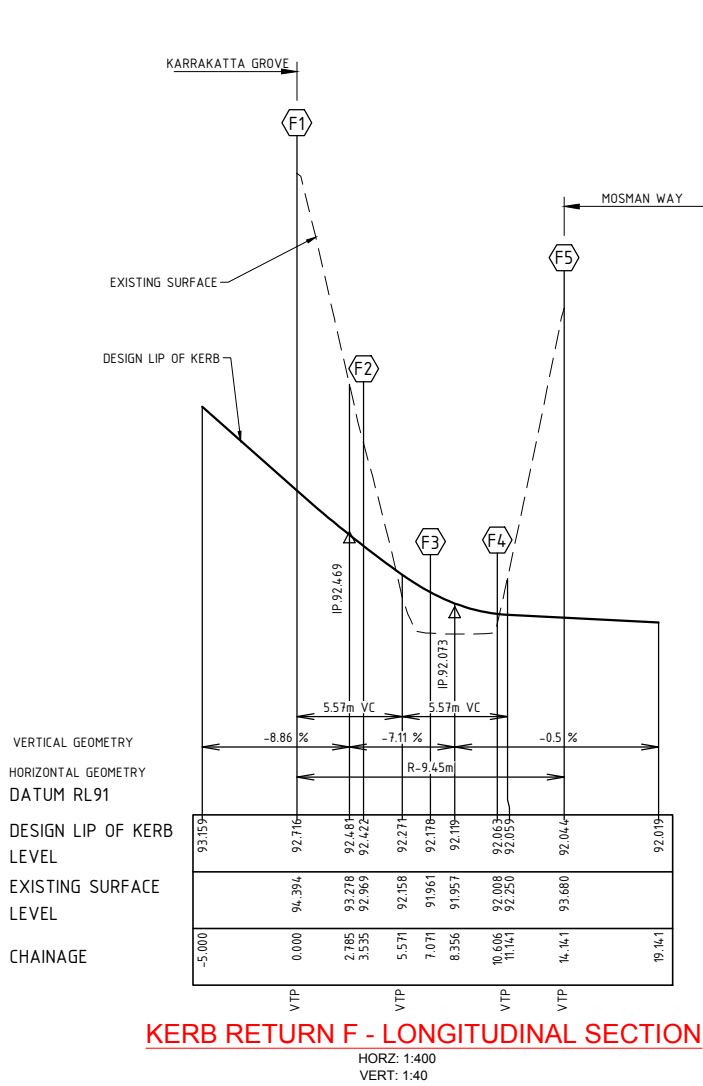
NOTE:  
FOOTPATH TO BE GRADED FROM PERPENDICULAR TO THE KERB TANGENTS, SO AS TO EVEN OUT THE GRADES.  
ALL WORKS TO BE RE-CONFIRMED ON SITE WITH THE SUPERINTENDENT AND COUNCIL INSPECTION PRIOR TO POURING CONCRETE PATH.

**WARNING**  
BEWARE OF UNDERGROUND SERVICES

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KERB RETURN E - LONGITUDINAL SECTION

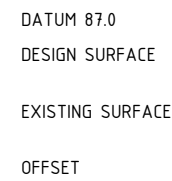


KERB RETURN F - LONGITUDINAL SECTION

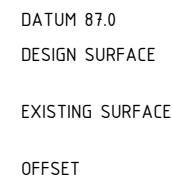
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RTP = RIGHT TANGENT POINT  
TP = TANGENT POINT  
CREST = HIGH POINT  
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ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	DATE	TGM Group Geelong	CLIENT	PROJECT	DRAWING TITLE	TGM REP. No.	SHEET	OF	REV.
00	FOR APPROVAL	10/07/18						D.RICHARDSON	JUNE 2018	1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 ABN 11 125 568 461 www.tgmgroup.com	GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220	HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216	INTERSECTION DETAIL B & KERB RETURNS	007138-206B	7	20	00



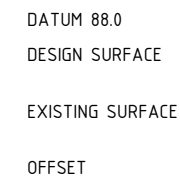


LEFT KERB TO TRANSITION FROM  
EXISTING B2 TO PROPOSED B3 KERB,  
FROM CHAINAGE 0+000 - 3+000.

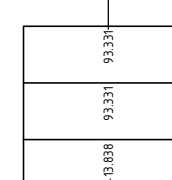


## MOSMAN WAY - ROAD CROSS SECTIONS

	CLIENT
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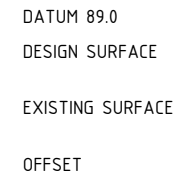
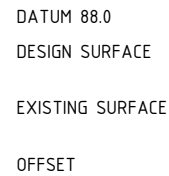
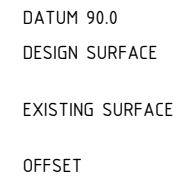
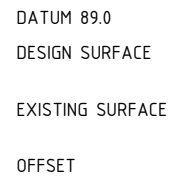
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DESIGN SURFACE  
EXISTING SURFACE  
OFFSET



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RTP = RIGHT TANGENT POINT  
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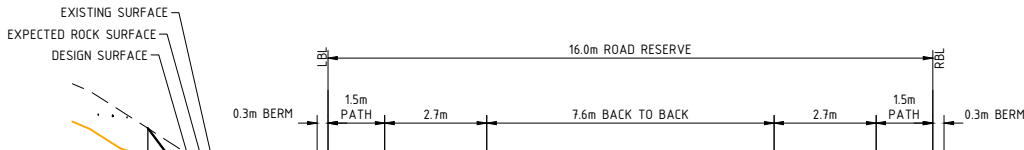
ISSUE		ISSUED FOR		DATE	No.	AMENDMENT		DATE	DRAWN	APPROVED	DESIGNED: D.RICHARDSON	DATE: JUNE 2018	<div>TGM Group Geelong 1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 A/NM 11 125 568 461 www.tgmgroup.com</div> <div>Melbourne   Ballarat   Ballina Geelong   Melbourne   Ballarat</div> <div>JAS:ANZ Accredited: Quality ISO 9001 - CHAS AS/NZS 4801 - Environment ISO 14001</div>	CLIENT: GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG VIC 3220	PROJECT: HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216 CITY OF GREATER GEELONG	<div></div> <div>CIVIL DRAWING</div> <div>DRAWING TITLE: ROAD CROSS SECTIONS MOSMAN WAY</div> <div>TGM Ref. No.: 007138-206B</div> <div>SHEET: 8 OF 20 REV: 00</div>	
00	FOR APPROVAL		10/07/18								DRAWN: D.RICHARDSON	SCALE: H 1:200 V 1:100		<div>THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (®) SYSTEMS AND REMAINS THE PROPERTY OF TGM GROUP Pty. Ltd. IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.</div>			
											SURVEY: TGM GEELONG	SHEET SIZE: A3					
											CHECKED: 	APPROVED: 					
											POS NO: PS 740216 X VERSION: D3 PERMIT NO: 717/2007/F						
WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.																	



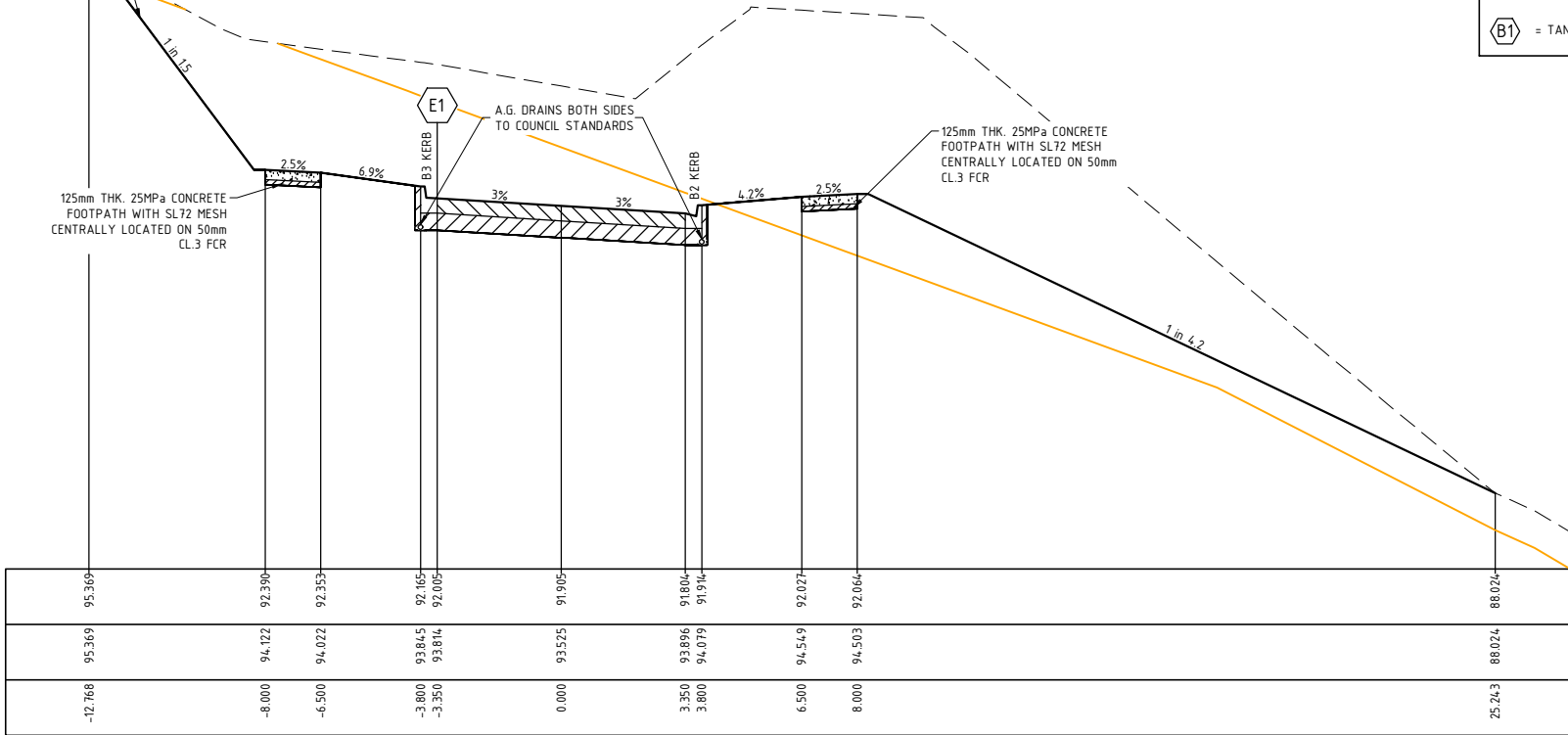


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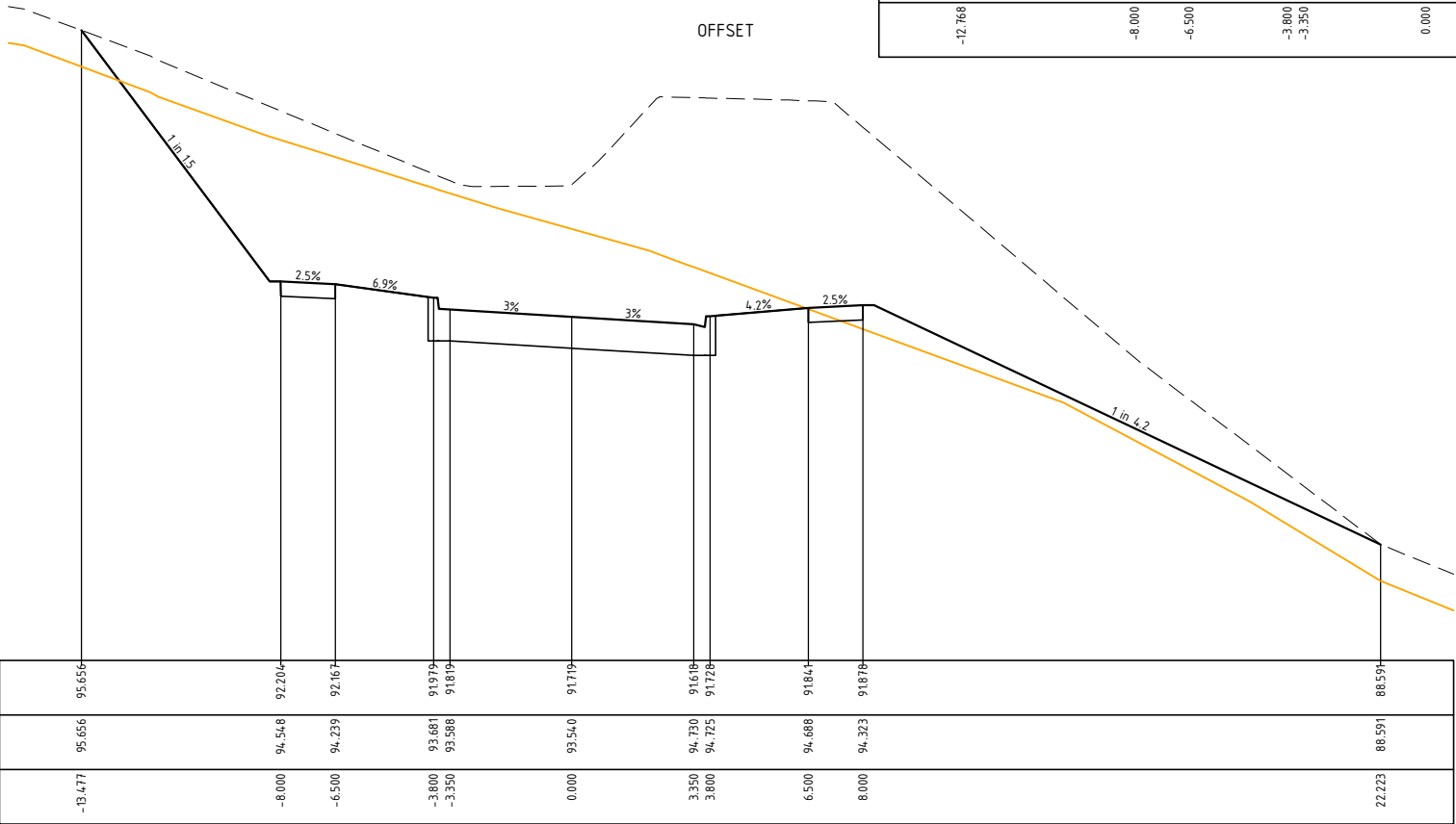
[illegible]



LTP = LEFT TANGENT POINT  
RTP = RIGHT TANGENT POINT  
TP = TANGENT POINT  
CREST = HIGH POINT  
SAG = LOW POINT  
IP = INTERSECTION POINT  
B1 = TANGENT POINT NUMBER



CH. 118.187 (LTP)



CH. 109.457

NOTE - EXISTING FILL  
EXISTING FILL/STOCKPILE MATERIAL TO BE REMOVED TO IN SITU MATERIAL AS APPROVED BY GEOTECHNICAL ENGINEER.  
ANY FILLING REQUIRED TO ACHIEVE DESIGN LEVELS TO BE UNDERTAKEN UNDER LEVEL 1 SUPERVISION.

MOSMAN WAY - ROAD CROSS SECTIONS

HORZ: 1:200  
VERT: 1:100

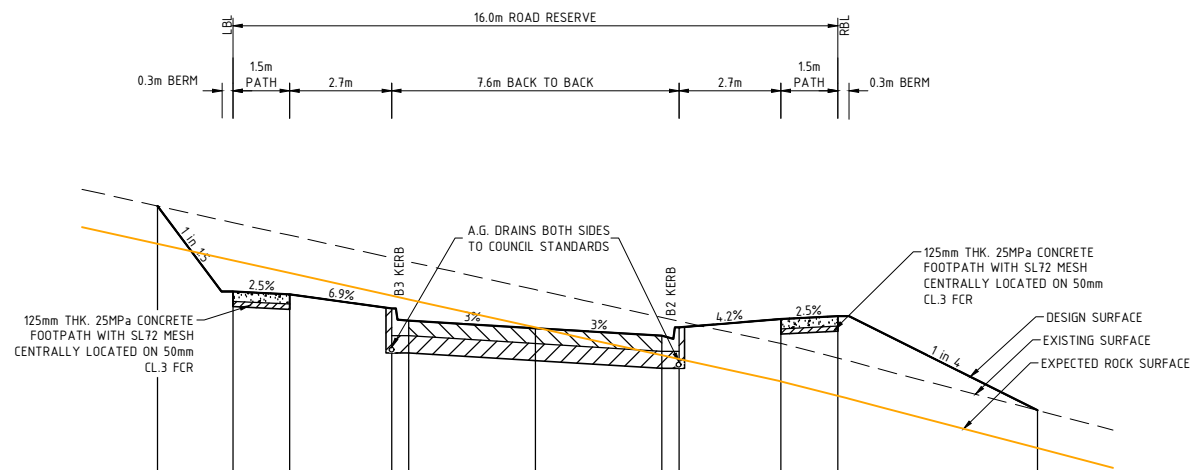
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED:	DATE:	CLIENT:	PROJECT:	SHEET					
00	FOR APPROVAL	10/07/18						D.RICHARDSON	JUNE 2018	GEELONG LAND GROUP PTY LTD	HIGHTON RIDGE	10 OF 20 REV 00					
DRAWN: D.RICHARDSON									SCALE: H 1:200 V 1:100	 Geelong   Melbourne   Ballarat							
SURVEY: TGM GEELONG									SHEET SIZE: A3								
CHECKED: 									APPROVED: 								
POS NO: PS 740216 X VERSION: D3 PERMIT NO: 717/2007/F																	
WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.									THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (R) SYSTEMS AND REMAINS THE PROPERTY OF TGM GROUP Pty Ltd. IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.					DRAWING TITLE: ROAD CROSS SECTIONS MOSMAN WAY			
JAS-ANZ Accredited: Quality ISO 9001 - CHAS AS/NZS 4801 - Environment ISO 14001									CITY OF GREATER GEELONG					TGP REF. No: 007138-206B SHEET: 10 OF 20 REV: 00			











DATUM 86.0

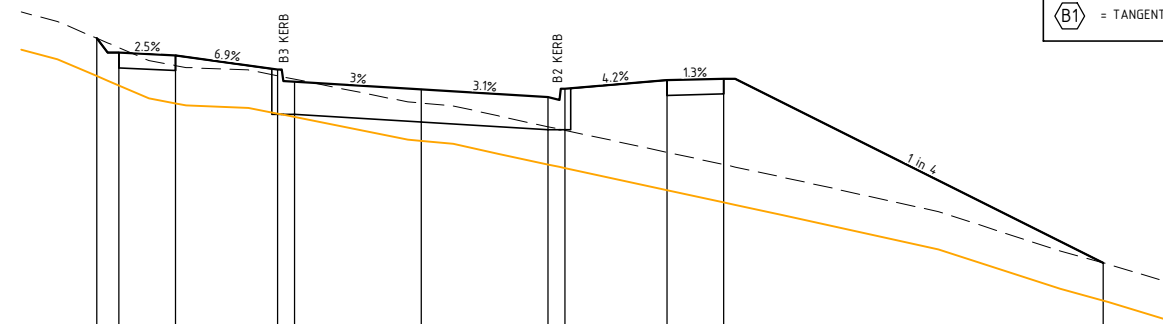
DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	90.442	89.311	89.274	89.086	88.926	88.826	88.735	88.635	88.548	88.432	87.739
EXISTING SURFACE	90.442	90.221	90.055	89.756	89.706	89.335	88.948	88.898	88.623	88.432	87.739
OFFSET	-9.995	-8.000	-6.500	-3.800	-3.350	0.000	3.350	3.800	6.500	8.000	13.284

CH. 214.118 (TYPICAL)



DATUM 83.0

DESIGN SURFACE

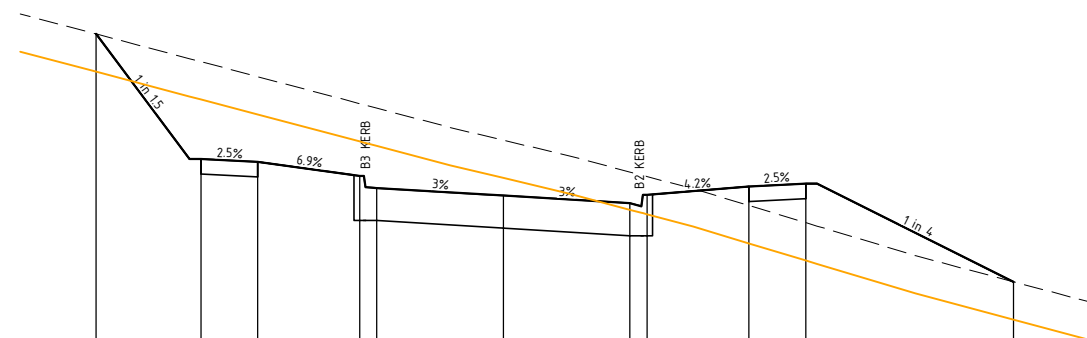
EXISTING SURFACE

OFFSET

DESIGN SURFACE	88.221	88.030	87.992	87.805	87.645	87.546	87.443	87.353	87.665	87.685	85.251
EXISTING SURFACE	88.221	88.096	87.860	87.724	87.679	87.364	87.051	87.003	86.712	86.550	85.251
OFFSET	-8.585	-7.999	-6.499	-3.800	-3.350	0.000	3.354	3.804	6.505	8.005	18.039

CH. 233.944

CROSSFALL GRADUALLY TRANSITIONS  
FROM ONE-WAY TO TWO-WAY TO  
MATCH EXISTING MOSMAN WAY.  
CH. 233.944 TO CH. 249.467



DATUM 88.0

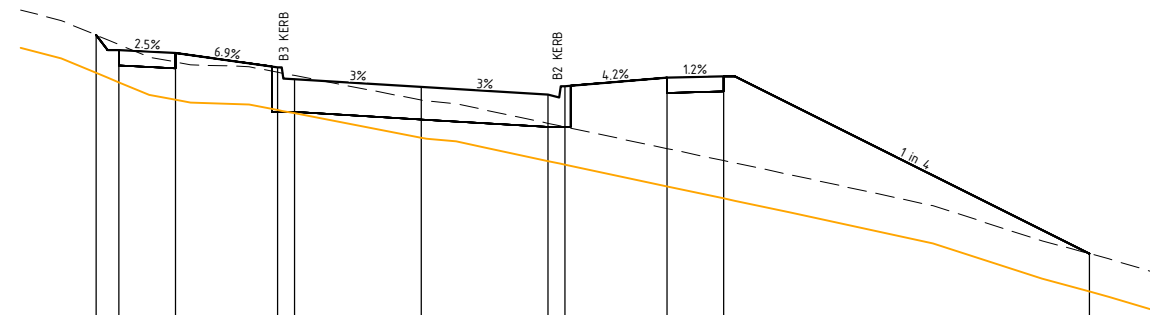
DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	92.638	90.985	90.948	90.760	90.600	90.500	90.399	90.309	90.622	90.659	89.360
EXISTING SURFACE	92.638	92.271	92.072	91.716	91.656	91.232	90.872	90.752	90.367	90.142	89.360
OFFSET	-10.778	-8.000	-6.500	-3.800	-3.350	0.000	3.350	3.800	6.500	8.000	13.496

CH. 194.118



DATUM 83.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

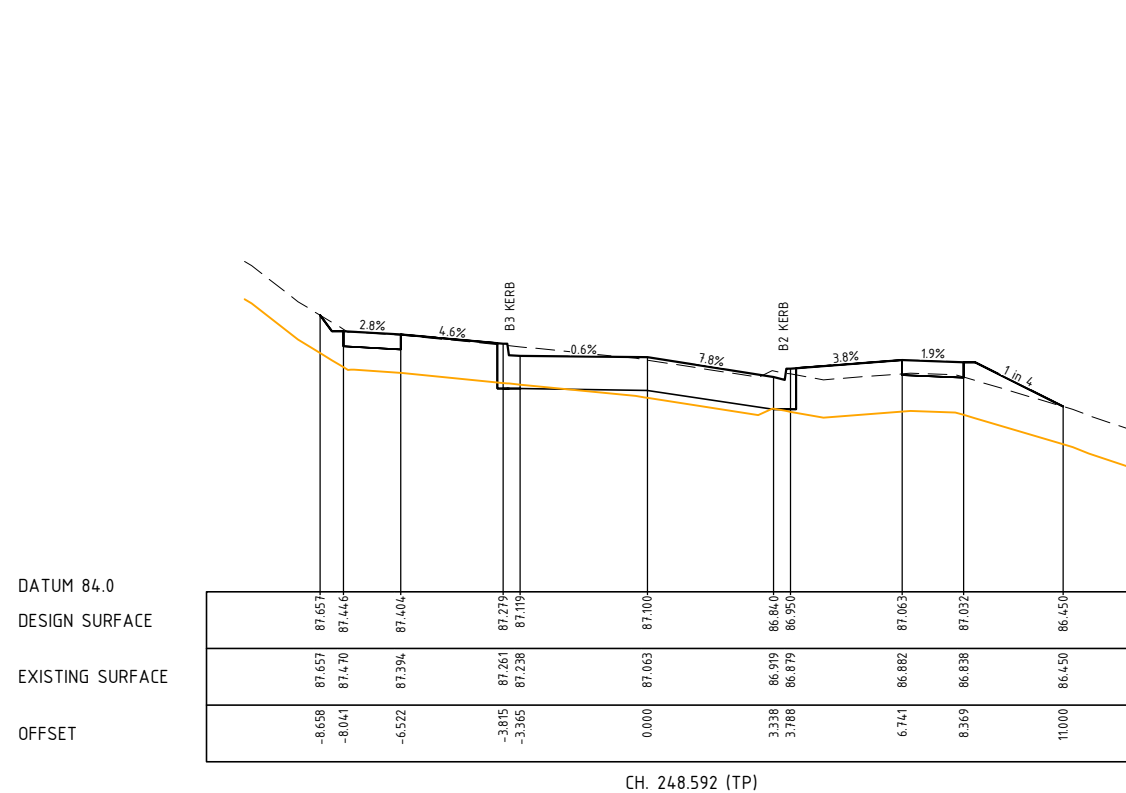
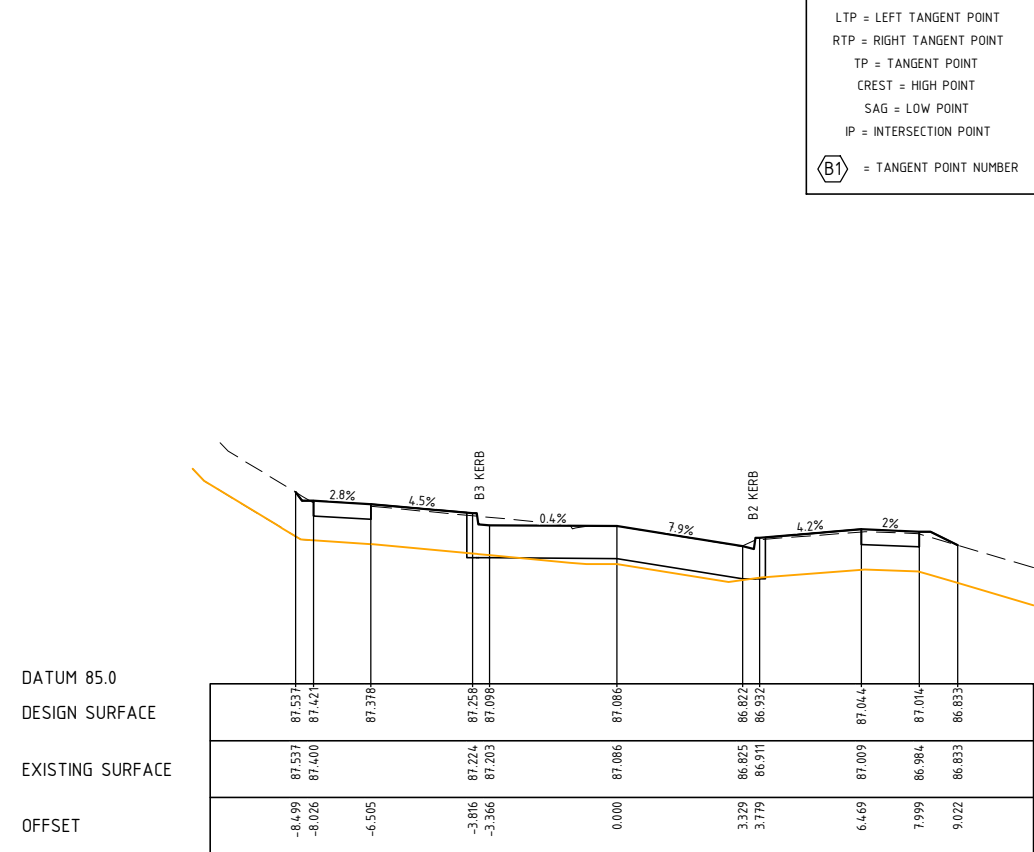
DESIGN SURFACE	88.244	88.044	88.006	87.819	87.659	87.558	87.458	87.368	87.680	87.698	85.355
EXISTING SURFACE	88.244	88.119	87.888	87.753	87.710	87.386	87.078	87.030	86.743	86.584	85.355
OFFSET	-8.601	-8.000	-6.500	-3.800	-3.350	0.000	3.350	3.800	6.500	8.000	17.675

CH. 233.667 (TP)

## MOSMAN WAY - ROAD CROSS SECTIONS

HORZ: 1:200  
VERT: 1:100

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED:	DATE:	CLIENT:	PROJECT:	DRAWING TITLE			TGM REF. No.	SHEET	OF	REV.		
00	FOR APPROVAL	10/07/18						D.RICHARDSON	JUNE 2018	GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220	HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216 CITY OF GREATER GEELONG	ROAD CROSS SECTIONS MOSMAN WAY			007138-206B	13	20	00		
<div><div>TGM Group Geelong 1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 ABN 11 125 568 461 www.tgmgroup.com</div><div> Geelong   Melbourne   Ballarat</div></div>									<div><div>THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (R) SYSTEMS AND REMAINS THE PROPERTY OF TGM GROUP Pty. Ltd. IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.</div></div>											
<div><div>DRAWN: D.RICHARDSON SURVEY: TGM GEELONG CHECKED:  POS NO: PS 740216 X    VERSION: D3    PERMIT NO: 717/2007/F</div><div>WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.</div></div>									<div><div>SCALE: H 1:200    V 1:100 SHEET SIZE: A3 APPROVED: </div></div>											
<div>JAS-ANZ Accredited. Quality ISO 9001 - CHMS AS/NZS 4801 - Environment ISO 14001</div>									<div></div>											

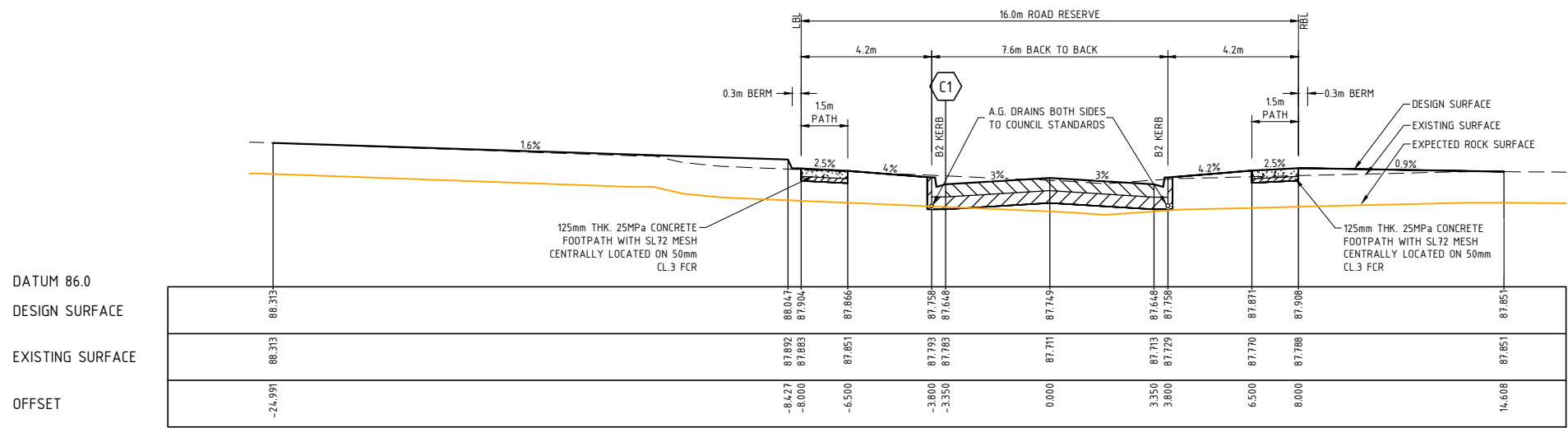


HORZ: 1:200  
VERT: 1:100

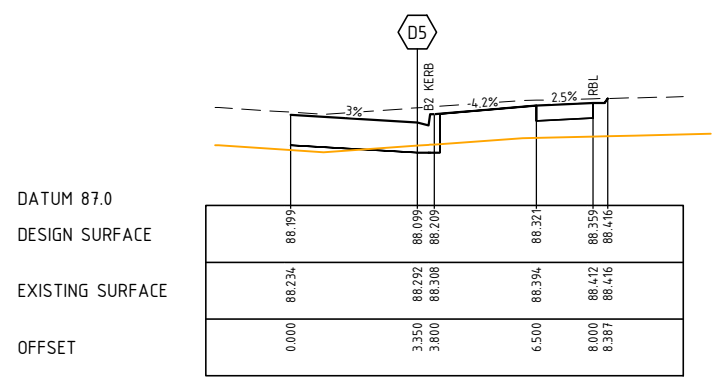
J:\007138 (HIGHTON RIDGE)\206B-CE (STAGE 6B)\DWG\007138-206B (CIVIL) REV00.DWG



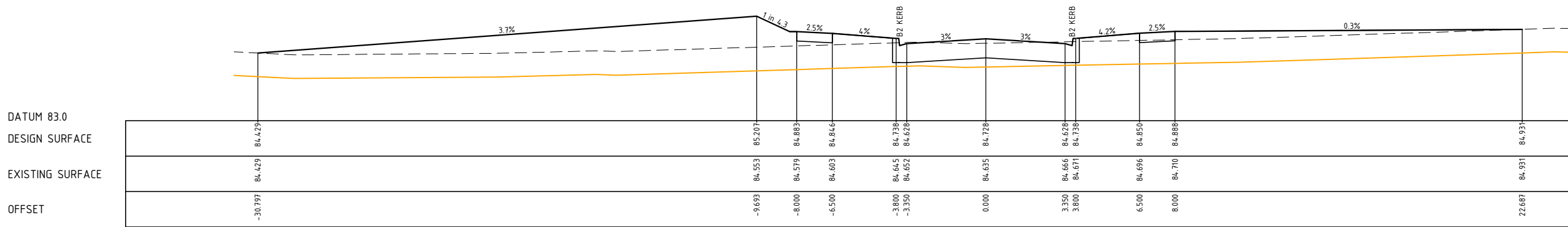
LTP = LEFT TANGENT POINT  
RTP = RIGHT TANGENT POINT  
TP = TANGENT POINT  
CREST = HIGH POINT  
SAG = LOW POINT  
IP = INTERSECTION POINT  
= TANGENT POINT NUMBER



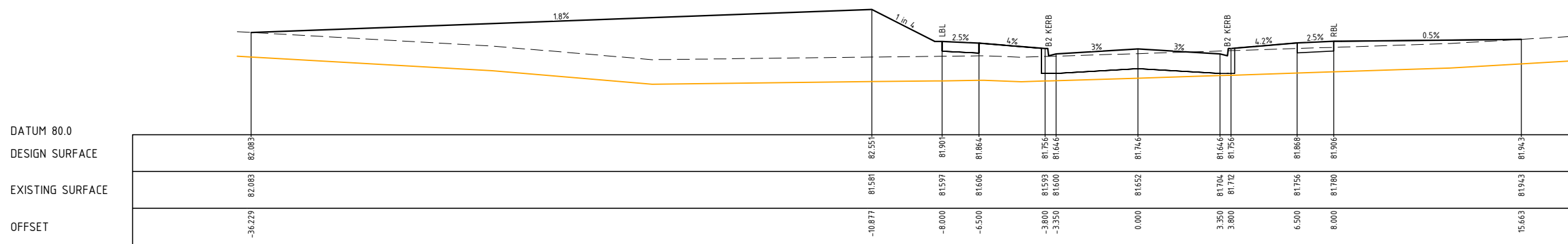
CH. 97.365 (TYPICAL) (LTP)



CH. 101.097 (RTP)



CH. 80.000



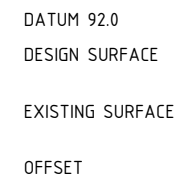
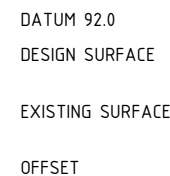
CH. 63.757 (START)

REGAL STREET - ROAD CROSS SECTIONS

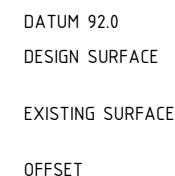
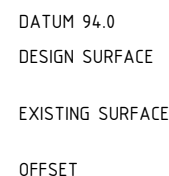
HORZ: 1:200  
VERT: 1:100

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	DATE	SCALE	SHEET SIZE	PROJECT	DRAWING TITLE	TPM REF. No.	SHEET	OF	REV.
00	FOR APPROVAL	10/07/18						D.RICHARDSON	JUNE 2018	H 1:200 V 1:100	A3	GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220	CIVIL DRAWING ROAD CROSS SECTIONS REGAL STREET	007138-206B	15	20	00
TGM Group Geelong 1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 ABN 11 125 568 461 www.tgmgroup.com Melbourne   Ballarat   Ballina JAS-ANZ Accredited. Quality ISO 9001 - CHAS AS/NZS 4801 - Environment ISO 14001									CLIENT: GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220 THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (R) SYSTEMS AND REMAINS THE PROPERTY OF TGM GROUP PTY. LTD. IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.								
DRAWN: D.RICHARDSON SURVEY: TGM GEELONG CHECKED: <i>Davis</i> POS NO: PS 740216 X VERSION: D3 PERMIT NO: 717/2007/F WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.									PROJECT: HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216 CITY OF GREATER GEELONG								
HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216 CITY OF GREATER GEELONG									DRAWING TITLE: ROAD CROSS SECTIONS REGAL STREET TPM REF. No.: 007138-206B								

 = TANGENT POINT NUMBER



**NOTE - FILLING OPEN DRAINS**  
ALL EXISTING OPEN DRAINS TO BE CLEANED OUT TO FIRM CLAY/ROCK MATERIAL.  
OPEN DRAIN TO BE FILLED TO SUB-BASE/CAPPING LEVEL OR WITHIN 100mm OF LOT FINISHED LEVELS, USING SUITABLE FILL MATERIAL, PLACED IN 150mm LAYERS AND COMPACTED TO 95% COMPACTION IN LOTS, OR 98% COMPACTION WITHIN 400mm OF DESIGN SUBGRADE, UNDER LEVEL 1 SUPERVISION AND TO THE SATISFACTION OF THE GEOTECHNICAL AND COUNCIL ENGINEERS.  
GEOTECHNICAL TESTING AND LEVELS TO BE RECORDED AND REPORTED TO THE SUPERINTENDENT AND FORWARDED TO COUNCIL.



## KARRAKATTA GROVE - ROAD CROSS SECTIONS

HORZ: 1:200  
VERT: 1:100

ISSUE		ISSUED FOR		DATE	No.	AMENDMENT		DATE	DRAWN	APPROVED	DESIGNED: D.RICHARDSON		DATE: JUNE 2018	<div>TGM Group Geelong</div> <div>1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4891 ADN 11 125 588 401 www.lgmgroup.com</div> <div><div>Melbourne   Ballarat   Ballina</div><div>Hobart   Geelong   Dandenong   Shepparton   Mildura   Swan Hill   Melbourne (VIC)   14001</div></div> <div>Geelong   Melbourne   Ballarat</div>		CLIENT:		PROJECT:		<div><div><div></div><div>HightonRidge</div><div>ESTATE</div></div></div>		<div>CIVIL DRAWING</div>		<div>DRAWING TITLE:</div> <div>ROAD CROSS SECTIONS KARRAKATTA GROVE</div>		<div>TGM REF. No.</div> <div>007138-206B</div>		<div>SHEET</div> <div>16</div> <div>OF</div> <div>20</div> <div>REV.</div> <div>00</div>	
00	FOR APPROVAL		10/07/18							DRAWN: D.RICHARDSON		SCALE: H 1:200 V 1:100	GEELONG LAND GROUP PTY LTD			HIGHTON RIDGE													
										SURVEY: TGM GEELONG		SHEET SIZE: A3	P.O. BOX 315			STAGE 6B													
										CHECKED: <i>Davis</i>		APPROVED: <i>hgh</i>	GEELONG, VIC 3220			HIGHTON													
										POS NO: PS 740216 X		VERSION: D3	PERMIT NO: 717/2007/F			CITY OF GREATER GEELONG		VIC 3216											
<div>WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.</div>																													





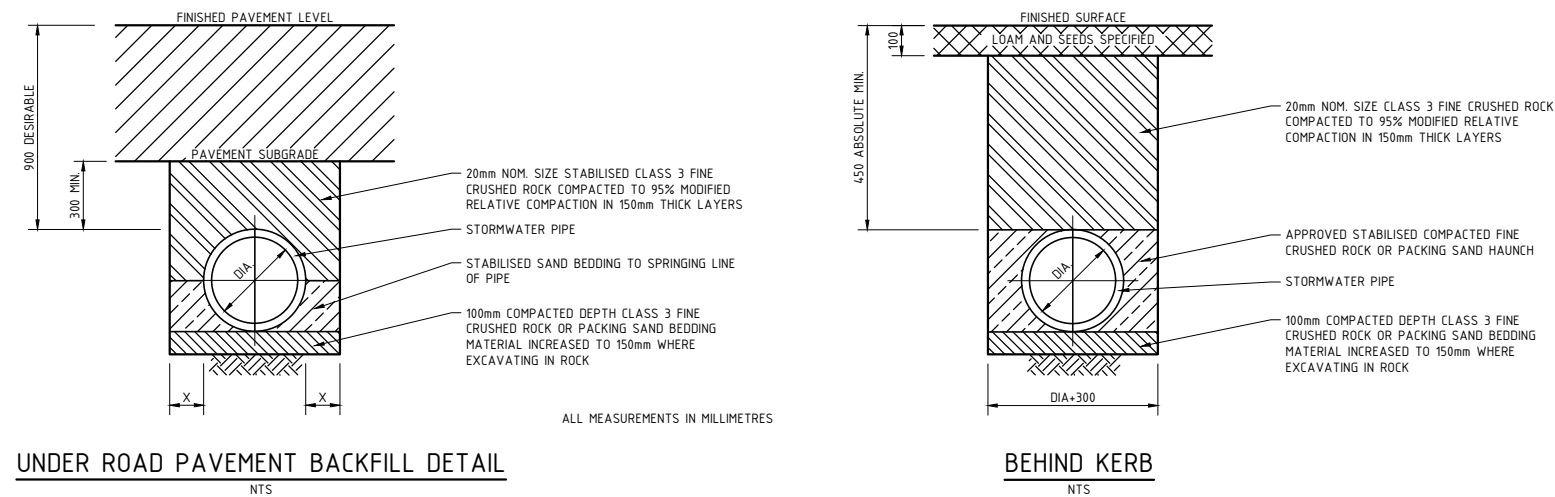


## PIT SCHEDULE

PIT				INTERNAL		FROM		INLET		OUTLET		PIT	PIT	COVER	
NAME	TYPE	EASTING	NORTHING	WD	LEN	PIT	DIA	INV	DIA	INV	BL	DEPTH	CLASS	REMARKS	
Ex.A	EX DSEP	263550.813	5772957.055	1900	900	01	375	80.078	375	78.602	81.472	2.870	---	Remove existing pipe stub, connect new pipe and make good connection.	
01	DSEP x	263516.764	5772949.875	900	900	02	375	85.928	375	85.431	87.710	2.278	CLASS D	Refer IDM SD 430 & 410	
						14	300	85.927							
02	DSEP	263502.557	5772954.628	1900	600	03	375	87.726	375	87.426	89.203	1.777	CLASS D	Refer IDM SD 445	
03	JP	263491.202	5772958.677	900	600	04	375	88.389	375	88.339	89.808	1.470	CLASS D	Refer IDM SD 425	
04	JP	263470.058	5772991.715	900	900	05	375	89.419	375	89.369	91.094	1.724	CLASS D	Refer IDM SD 425	
						16	300	89.428							
						4A	300	89.450							
05	JP	263447.405	5773026.776	900	600	06	375	90.513	375	90.463	92.177	1.714	CLASS D	Refer IDM SD 425	
						17	300	90.554							
06	DSEP xx	263433.383	5773028.296	1900	900	07	375	91.140	375	91.091	93.224	2.133	CLASS D	Refer IDM SD 445 & 410	
07	DSEP xx	263427.717	5773034.417	1900	900	08	300	91.443	375	91.196	93.233	2.036	CLASS D	Refer IDM SD 445 & 410	
08	SEP x	263421.083	5773027.431	900	900	Ex.C	300	92.447	300	92.397	94.280	1.883	CLASS D	Refer IDM SD 430 & 410	
Ex.C	EX E.W.	263419.961	5773025.526	---	---	Ex.B	300	92.810	300	92.810	94.537	1.727	---	Remove existing End Wall, connect new 300mm pipe and make good connection.	
Ex.B	EX SEP	263407.944	5772997.946	900	600	EX	300	97.917	300	97.811	99.139	1.328	---	EXISTING PIT	
Ex.D	EX SEP	263387.591	5773138.140	900	600	09	300	85.710	300	87.215	1.555	---	---	Remove existing pipe stub, connect new pipe and make good connection.	
09	JP	263395.444	5773136.398	900	600	10	300	86.030	300	85.980	87.521	1.541	CLASS D	Refer IDM SD 425	
10	JP	263398.717	5773131.967	900	600	11	300	86.357	300	86.307	87.860	1.553	CLASS D	Refer IDM SD 425	
						13	300	86.444							
11	JP	263423.071	5773067.270	900	600	12	300	90.404	300	90.354	92.090	1.730	CLASS D	Refer IDM SD 425	
12	SEP	263431.419	5773068.383	900	600	--	---	---	300	90.489	91.859	1.376	CLASS D	Refer IDM SD 430	
13	DSEP	263409.597	5773126.339	1900	600	--	---	---	300	86.721	88.105	1.384	CLASS D	Refer IDM SD 445	
14	SEP	263518.407	5772941.841	900	600	15	300	86.032	300	85.982	87.716	1.734	CLASS D	Refer IDM SD 430	
15	JP	263500.557	5772938.326	900	600	--	---	---	300	87.686	89.198	1.512	CLASS D	Refer IDM SD 425	
16	SEP	263474.379	5773000.138	900	600	--	---	---	300	89.523	90.962	1.439	CLASS D	Refer IDM SD 430	
17	SEP	263451.282	5773035.885	900	600	18	300	90.654	300	90.604	91.989	1.384	CLASS D	Refer IDM SD 430	
18	DSEP	263440.924	5773051.941	1900	600	--	---	---	300	90.782	91.974	1.192	CLASS D	Refer IDM SD 445	
4A	JP	263462.810	5772990.681	900	900	4B	300	92.391	300	90.179	93.014	2.834	CLASS B	Refer IDM SD 425. Provide wearing course of concrete and 300mm deep sump (IL 89.879) to base of pit for water cushion.	
4B	JP	263457.657	5772989.946	900	900	4C	300	94.587	300	92.907	95.469	2.562	CLASS B	Refer IDM SD 425.	
4C	JP	263442.902	5772987.820	900	900	Ex.E	300	95.880	300	95.830	98.072	2.242	CLASS B	Refer IDM SD 425. Remove existing End Wall, construct new pit on existing pipe end.	
Ex.E	EX JP	263437.094	5772987.060	900	600	EX	225	97.700	300	97.421	99.052	1.630	---	EXISTING PIT	

NOTE:

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



NOTES:

2. TRENCHING DETAILS INDICATIVE ONLY AND SHOULD BE INSTALLED TO MANUFACTURERS' SPECIFICATIONS.
3. WHERE PIPE IS BEHIND KERB AND CHANNEL, INSTALL ONE METRE (1m) MINIMUM OF APPROVED 900 CLASS 400 SLOTTED/PERFORATED SUBSOIL DRAIN WITH GEOTEXTILE SOCK SURROUND INTO PIT IN LIEU OF SUB-SOIL DRAINAGE BEHIND KERB.
4. 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.
5. 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.
6. CEMENT, CONCRETE OR CEMENT STABILISED CRUSHED ROCK TO BE USED WHERE SETTLEMENT OF TRENCH WILL EFFECT INFRASTRUCTURE.

ISSUE		ISSUED FOR		DATE	No.	AMENDMENT		DATE	DRAWN	APPROVED	DESIGNED:	D.RICHARDSON	DATE:	JUNE 2018	<div>TGM Group Geelong 1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 ASN 11 125 568 401 www.tgmgroup.com  Melbourne   Ballarat   Ballina  Geelong   Melbourne   Ballarat  JAS-ANZ Accredited: Quality ISO 9001 - CHAS AS/NZS 4801 - Environment ISO 14001</div>	CLIENT:	TGM Group Geelong	PROJECT:	HIGHTON RIDGE	<div> Highton Ridge ESTATE</div>	CIVIL DRAWING		SHEET 19 OF 20 REV: 00				
00	FOR APPROVAL		10/07/18							DRAWN:	D.RICHARDSON	SCALE:	NOT TO SCALE	GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220		HIGHTON STAGE 6B HIGHTON VIC 3216	DRAWING TITLE:	DRAINAGE PIT SCHEDULE & TYPICAL DETAILS	TGM REF. No.:		007138-206B	SHEET		19 OF 20	REV:	00	
											SURVEY:	TGM GEELONG	SHEET SIZE:	A3													
											CHECKED:	<i>Davis</i>	APPROVED:	<i>hahp</i>													
											POS NO:	PS 740216 X	VERSION:	D3		PERMIT NO:	717/2007/F										
WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.																											



ISSUE	ISSUED FOR			DATE
00	FOR INFORMATION			29/06/18

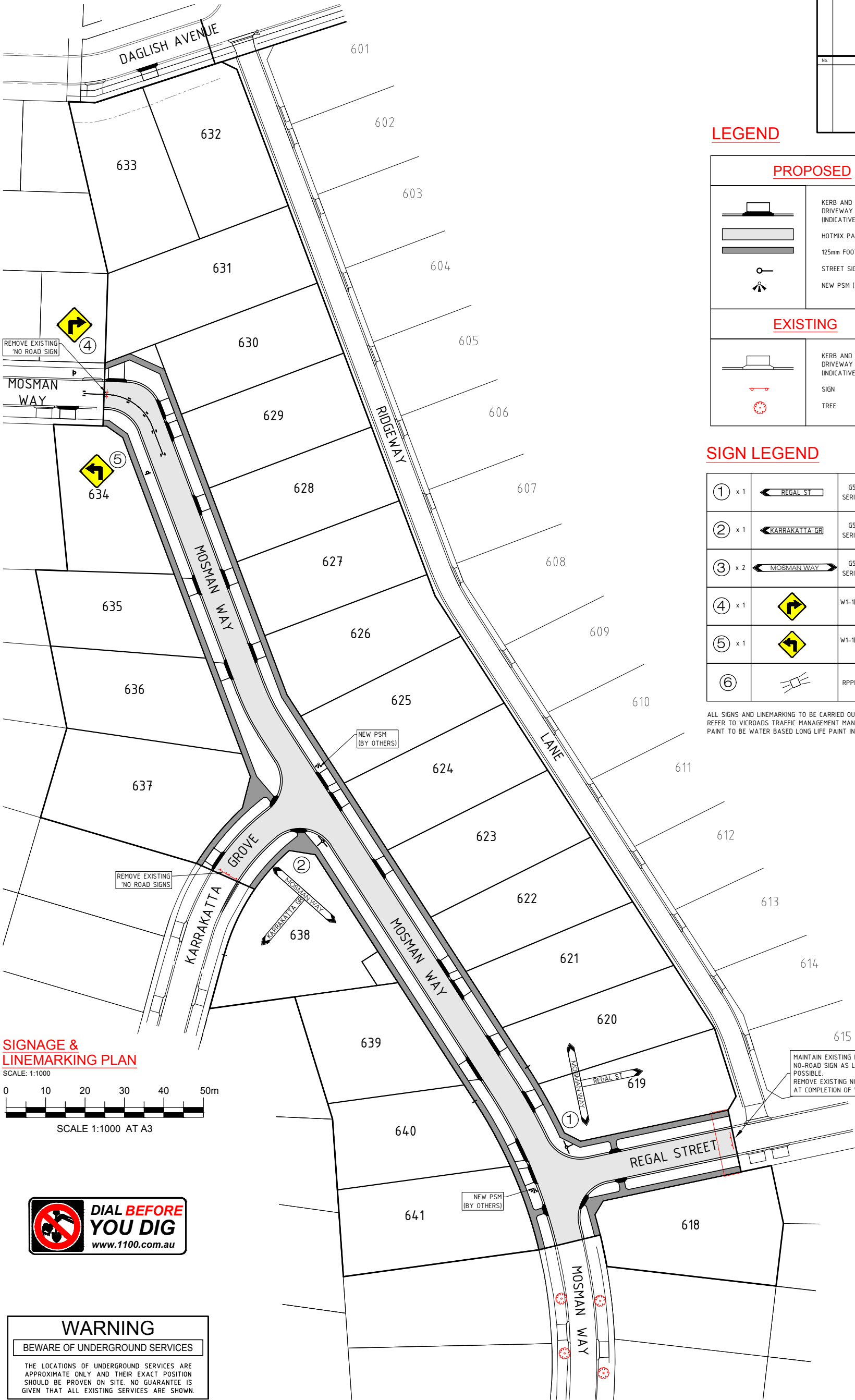
LEGEND

PROPOSED	
	KERB AND CHANNEL DRIVEWAY LAYBACK (INDICATIVE ONLY)
	HOTMIX PAVEMENT
	125mm FOOTPATH
	STREET SIGN
	NEW PSM (BY OTHERS)
EXISTING	
	KERB AND CHANNEL DRIVEWAY LAYBACK (INDICATIVE ONLY)
	SIGN
	TREE

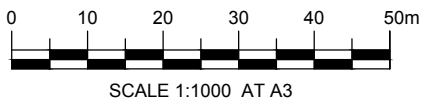
SIGN LEGEND

①	x 1		G5 SERIES	STREET NAME
②	x 1		G5 SERIES	STREET NAME
③	x 2		G5 SERIES	STREET NAME
④	x 1		W1-1(R)	RIGHT TURN
⑤	x 1		W1-1(L)	LEFT TURN
⑥			RPPMs	REFLECTIVE RAISED PAVEMENT MARKERS

ALL SIGNS AND LINEMARKING TO BE CARRIED OUT IN ACCORDANCE WITH VIC ROADS STANDARDS REFER TO VICROADS TRAFFIC MANAGEMENT MANUAL.  
PAINT TO BE WATER BASED LONG LIFE PAINT IN ACCORDANCE WITH VICROADS STANDARDS



SIGNAGE & LINEMARKING PLAN  
SCALE: 1:1000



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.

DESIGNED: D.RICHARDSON	DATE: JUNE 2018
DRAWN: D.RICHARDSON	SCALE: 1:1000
SURVEY: TGM GEELONG	SHEET SIZE: A3
CHECKED: <i>David</i>	APPROVED: <i>James</i>
POS NO: 740216 X	PERMIT NO: 717/2007/F
VERSION: 03	

TGM Group Geelong  
1/27-31 Myers Street  
(PO Box 1137)  
Geelong Vic 3220  
T 03 5202 4600  
F 03 5202 4691  
ABN 11 125 568 461  
www.tgmgroup.com



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

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PROJECT:  
HIGHTON RIDGE  
STAGE 6B  
HIGHTON  
VIC 3216  
CITY OF GREATER GEELONG



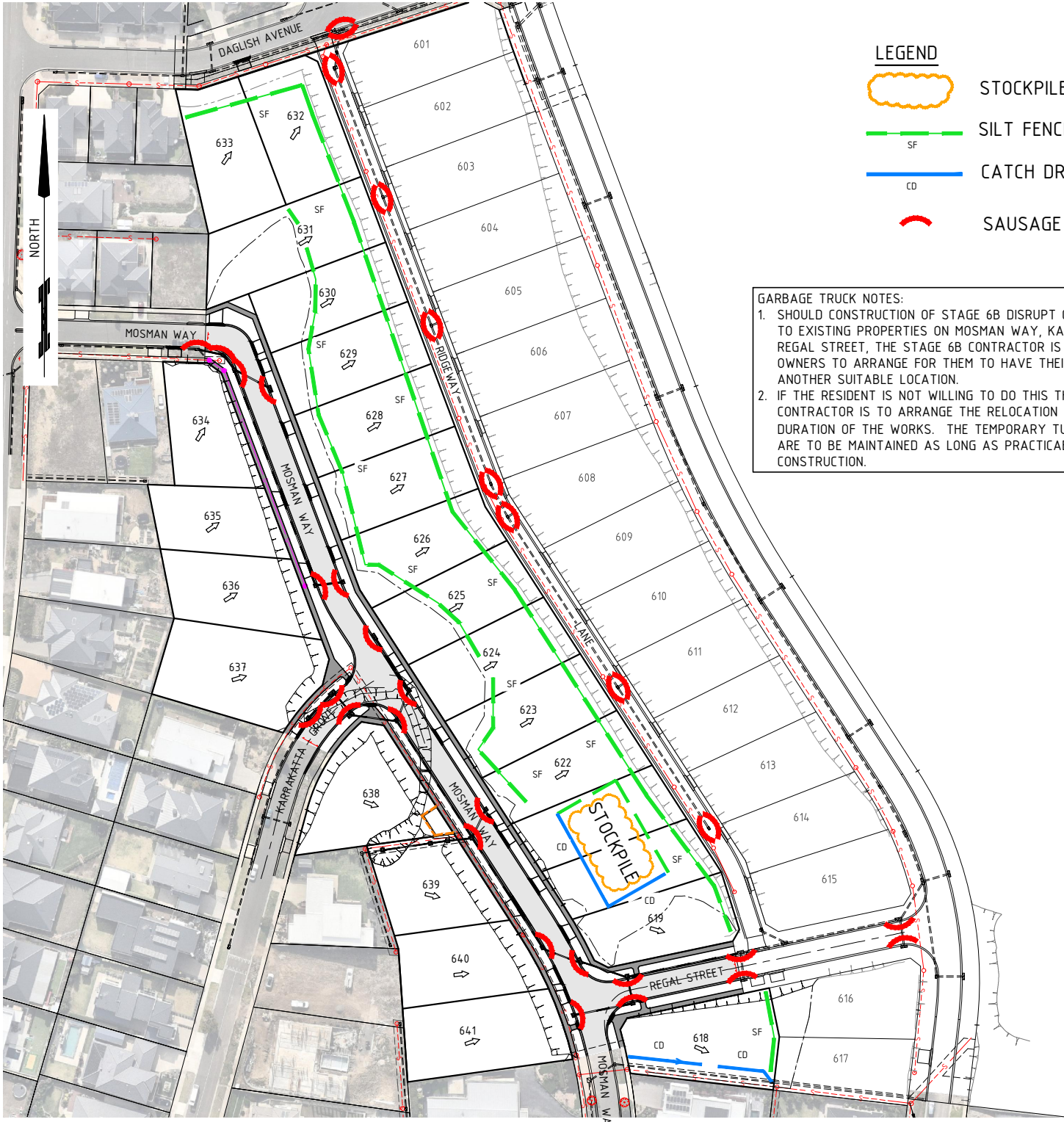
CIVIL DRAWING  
DRAWING TITLE:  
SIGNAGE & LINEMARKING PLAN

TGM REF. No.: 007138-206B

SHEET: 20 OF 20 REV: 00

THE FOLLOWING HAVE BEEN IDENTIFIED AS SIGNIFICANT ENVIRONMENTAL ASPECTS FOR THE SITE:								
1. NOISE 2. DUST 3. EROSION AND SEDIMENT				4. TRAFFIC 5. SERVICES AND OVERHEAD POWERLINES				
THESE ASPECTS SHALL BE MANAGED WITH THE ENVIRONMENTAL PROTECTION MEASURES OUTLINED ON THIS PLAN.								
MANAGEMENT								
1. RESPONSIBILITIES: <ul style="list-style-type: none"><li>CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION OF THIS PLAN.</li><li>CONTRACTOR TO SEEK APPROVAL FROM CONSULTANT FOR ANY AMENDMENTS TO THIS PLAN.</li></ul>				4. STAGING OF WORKS: <ul style="list-style-type: none"><li>WORKS ARE TO BE STAGED TO LIMIT THE TIME THAT AREAS ARE LEFT EXPOSED.</li></ul>				
2. COMMUNICATIONS OF EMP REQUIREMENTS: CONTRACTOR TO KEEP A COPY OF THE EMP PLAN ON SITE AT ALL TIMES AND IS TO COMMUNICATE TO ALL INDIVIDUALS ON SITE VIA: 1. INDUCTIONS 2. TOOLBOX MEETINGS 3. TRAINING SESSIONS				5. INFORMING RESIDENTS: <ul style="list-style-type: none"><li>CONTRACTOR TO NOTIFY ADJOINING RESIDENTS BY MAIL DROP PRIOR TO WORKS COMMENCING.</li></ul>				
3. INSPECTIONS AND MAINTENANCE: <ul style="list-style-type: none"><li>CONTRACTOR TO PREPARE INSPECTION PLAN AND SUBMIT TO CONSULTANT PRIOR TO COMMENCING WORKS</li></ul>				6. ASSOCIATED DOCUMENTS:				
NOISE				RISK: SIGNIFICANT / <del>MED.</del> / <del>LOW</del>				
REQUIREMENTS: EPA VICTORIA AND COUNCIL REQUIREMENTS MUST BE ADHERED TO IN RELATION TO THE LEVEL OF NOISE AND WORKING HOURS, TO ENSURE THAT RESIDENTS AND OTHER APPLICABLE NEIGHBOURS TO THE SITE ARE NOT DISTURBED UNREASONABLY. THE GENERATION OF NOISE MUST BE MINIMISED.								
7. WORKING HOURS:  7am TO 6pm MON - FRI  7am TO 1pm SAT		8. NOISE MINIMISATION METHODS:  CONFORM TO WORKING HOURS IN 7. UNDERTAKE WORKS AWAY FROM EXISTING BUILDINGS BEFORE 8AM WHERE PRACTICAL.			9. OTHER:			
DUST				RISK: SIGNIFICANT / <del>MED.</del> / <del>LOW</del>				
REQUIREMENTS: DUST GENERATION MUST BE MINIMISED TO ENSURE THERE IS NO HEALTH RISK OR LOSS OF AMENITY.								
10. MINIMISING DUST GENERATION: <ul style="list-style-type: none"><li>RETAINING VEGETATION WHERE POSSIBLE.</li><li>PROVIDE STOCKPILE PROTECTION</li><li>LOCATE STOCKPILES IN AREAS PROTECTED FROM WIND.</li><li>RESTRICT VEHICLE MOVEMENTS.</li><li>PREVENT DUST MATERIAL FROM BEING TRANSPORTED.</li><li>LIMIT WORK ARE TO MINIMUM REQUIRED</li><li>PROVIDE STABILISATION MATTING TO STEEP BANKS.</li></ul>				12. CONTINGENCIES: <ul style="list-style-type: none"><li>IF STOCKPILE IS TO REMAIN PAST PRACTICAL COMPLETION THEN IT IS TO BE TREATED WITH "RAINSTORM", REAPPLICATION MAY BE REQUIRED.</li></ul>				
11. DUST SUPPRESSION: <ul style="list-style-type: none"><li>SPRAY WATER VIA. WATER CART / SPRINKLER / HAND HELD HOSE TO SUPPRESS DUST ON SITE.</li><li>REGULAR WATERING IS REQUIRED FOR GENERAL WORKS.</li><li>WHEN HAULING IS OCCURRING ON SIRE THEN WATERING IS TO BE FREQUENT TO HELP SUPPRESS THE DUST.</li><li>A WATER CART MUST BE PERMANENTLY ON SITE AND USED FOR THE DURATION OF CONSTRUCTION.</li></ul>				13. OTHER:				
EROSION AND SEDIMENT				RISK: SIGNIFICANT / <del>MED.</del> / <del>LOW</del>				
REQUIREMENTS: EROSION AND SEDIMENT MUST BE MANAGED IN ACCORDANCE WITH BEST PRACTICE ENVIRONMENTAL MANAGEMENT PRACTICES, TO PREVENT SEDIMENT-LADEN WATER FROM ENTERING ANY DRAINAGE SYSTEM OR NATURAL WATERWAY.								
14. DRAINAGE MANAGEMENT: <ul style="list-style-type: none"><li>PROVIDE INLET FILTERS AROUND ALL DRAINAGE PITS.</li><li>PROVIDE SILT FENCES DOWNSLOPE OF STOCKPILES.</li><li>PROVIDE SILT FENCES OR STRAW BALES AT ALL OUTLET POINTS.</li></ul>				17. SEDIMENT TRAPS:				
15. SOIL STABILISATION DURING CONSTRUCTION: <ul style="list-style-type: none"><li>REDUCE TIME TOPSOIL IS CLEAR OF VEGETATION.</li><li>REDUCE TRAFFIC ON AREA CLEAR OF VEGETATION.</li></ul> POST WORKS:				18. DEWATERING:				
16. STOCKPILE PROTECTION: <ul style="list-style-type: none"><li>DIVERT RUNOFF AROUND STOCKPILE AREA.</li><li>MAX HEIGHT TO BE 2.0m</li><li>POSITION AWAY FROM DRAINAGE AREAS.</li><li>SEDIMENT FENCES TO BE PROVIDED DOWNSLOPE OF STOCKPILE.</li></ul>				19. VEHICLE AND ROAD MANAGEMENT: SITE ACCESS:  CLEANING VEHICLES:  STREET CLEANING: <ul style="list-style-type: none"><li>SOIL TO BE SWEEPED AWAY IF DEPOSITED ONTO ADJACENT STREETS.</li></ul>				
				20. OTHER:				
WASTE				RISK: SIGNIFICANT / <del>MED.</del> / <del>LOW</del>				
REQUIREMENTS: LITTER AND WASTE MUST BE CONTAINED ON SITE, BEFORE DISPOSAL IN A RESPONSIBLE MANNER. WASTE GENERATION MUST BE MINIMISED.								
21. MOVEMENT OF SOIL: <del>OFFSITE</del> / <del>ONSITE</del> / N/A CONTAMINANT STATUS:				23.WASTE STORAGE AND DISPOSAL: <ul style="list-style-type: none"><li>ALL WASTE MATERIALS TO BE STOCKPILED AND REMOVED FROM THE SITE.</li></ul>				
22. WASTE MINIMISATION METHODS: <ul style="list-style-type: none"><li>ALL WASTE MATERIALS TO BE STOCKPILED AND REMOVED FROM THE SITE.</li></ul>				24. OTHER:				
CHEMICALS				RISK: SIGNIFICANT / <del>MED.</del> / <del>LOW</del>				
REQUIREMENTS: STORAGE AND SPILL MANAGEMENT PRACTICES MUST BE IMPLEMENTED TO ENSURE THAT NO ENVIRONMENTAL DAMAGE CAN RESULT FROM THE ESCAPE OR SPILLAGE OF CHEMICALS OR FUELS.								
25. STORAGE: <ul style="list-style-type: none"><li>CONTRACTOR TO PROVIDE CHEMICAL STORAGE AREA AS REQUIRED.</li></ul>				27. REFUELING PROCEDURE: <ul style="list-style-type: none"><li>CONTRACTOR TO PROVIDE CENTRAL REFUELING LOCATION AS REQUIRED.</li></ul>				
26. SPILL MANAGEMENT:				28. OTHER:				
ISSUE	ISSUED FOR		DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
00	FOR APPROVAL		10/07/18					
DESIGNED: D.RICHARDSON				DATE: JUNE 2018				
DRAWN: D.RICHARDSON				SCALE: NOT TO SCALE				
SURVEY: TGM GEELONG				SHEET SIZE: A3				
CHECKED: <i>Davis</i>				APPROVED: <i>hgh</i>				
POS NO: PS 740216 X				PERMIT NO: 717/2007/F				
VERSION: D3								
WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION								
TGM Group Geelong 1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220 T 03 5202 4600 F 03 5202 4691 ABN 11 125 568 461 www.tgmgroup.com				Geelong   Melbourne   Ballarat				
Melbourne   Ballarat   Ballina				JAS-ANZ Accredited. Quality ISO 9001 - CHMS AS/NZS 4801 - Environment ISO 14001				
CLIENT: GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220				DRAWING TITLE: ENVIRONMENTAL MANAGEMENT PLAN LAYOUT PLAN				
CITY OF GREATER GEELONG				DRAWING NO: 007138-2068				

J:\007138 (HIGHTON RIDGE)\2068-CE (STAGE 6B)\DWG\007138-2068 (CIVIL) REV00.DWG



LAYOUT PLAN  
N.T.S.

#### LEGEND



STOCKPILE



SILT FENCE



CATCH DRAIN



SAUSAGE FILTER

#### GARBAGE TRUCK NOTES:

- SHOULD CONSTRUCTION OF STAGE 6B DISRUPT GARBAGE COLLECTION TO EXISTING PROPERTIES ON MOSMAN WAY, KARRAKATTA GROVE OR REGAL STREET, THE STAGE 6B CONTRACTOR IS TO LIAISE WITH THE OWNERS TO ARRANGE FOR THEM TO HAVE THEIR BINS COLLECTED AT ANOTHER SUITABLE LOCATION.
- IF THE RESIDENT IS NOT WILLING TO DO THIS THEMSELVES THE CONTRACTOR IS TO ARRANGE THE RELOCATION OF BINS FOR THE DURATION OF THE WORKS. THE TEMPORARY TURN AROUND AREA(S) ARE TO BE MAINTAINED AS LONG AS PRACTICABLE DURING CONSTRUCTION.

## NOTE

ALL WORKS TO COMPLY WITH  
"DOING IT RIGHT ON SUBDIVISIONS"  
(GUIDELINE FOR ENVIRONMENTAL MANAGEMENT) TEMPORARY  
ENVIRONMENTAL PROTECTION MEASURES FOR SUBDIVISION  
CONSTRUCTION SITES.

NOTE:  
SILT FENCES TO REMAIN AND  
MAINTAINED IN PLACE UNTIL WHERE  
POSSIBLE 6 MONTHS FROM  
COMPLETION TO ALLOW FOR  
ESTABLISHMENT OF VEGETATION.

NOTE:  
ALL DISTURBED AREA ARE TO BE  
TOPSOILED AND HYDROMULCHED AS SOON  
AS PRACTICAL FOLLOWING COMPLETION OF  
WORK IN THAT AREA.

NOTE:  
STOCKPILE TO HAVE RAINSTORM OR  
APPROVED EQUIVALENT MATERIAL APPLIED TO  
FORM A CRUST TO PREVENT WIND BLOWN  
DUST GENERATION.

NOTE:  
SOIL DISTURBANCE BEYOND WORKS AREA  
TO BE MINIMISED. FLAGGING TO BE  
ERECTED TO PREVENT VEHICLE ACCESS TO  
NON REQUIRED AREAS.

PROVIDE CATCH DRAINS AS SOON AS PRACTICABLE  
ONSITE FOLLOWING DRAINAGE CONSTRUCTION TO  
DIVERT RUNOFF AWAY FROM SITE. CATCH DRAINS  
ARE TO BE TOPSOILED AND HYDROMULCHED AS  
SOON AS PRACTICABLE FOLLOWING FORMATION.

WATER CART MUST BE PERMANENTLY  
ON SITE AND USED FOR THE DURATION  
OF CONSTRUCTION.

ALL TEMPORARY FENCING OF THE SITE MUST  
ENSURE RESTRICTION OF ACCESS AND BE  
CONSTRUCTED PRIOR TO THE  
PRE-COMMENCEMENT MEETING WITH COUNCIL  
ON SITE.

CONTRACTOR CONTACT DETAILS:  
NAME:  
COMPANY:  
CONTACT PH.:  
AFTER HRS.: **TBC**

SUPERINTENDENT CONTACT DETAILS:  
NAME: DANIEL BARKER  
COMPANY: TGM GROUP PTY. LTD.  
WORK HOURS: 8:30AM-5:00PM  
CONTACT PH.: 5202 4600  
AFTER HRS.: 0448691365

NOTE:  
THE ABOVE CONTACT DETAILS ARE TO BE  
DISPLAYED ON THE ENTRANCE TO THE  
DEVELOPMENT AT ALL TIMES.

#### OTHER SITE SPECIFIC ISSUES

SIGNIFICANT FLORA/FAUNA	RISK: SIGNIFICANT/MED/LOW	ARCHAEOLOGICAL/HERITAGE	RISK: SIGNIFICANT/MED/LOW	TRAFFIC	RISK: SIGNIFICANT/MED/LOW	OTHER - N/A
REQUIREMENTS: ALL SIGNIFICANT FLORA AND FAUNA ON AND ADJACENT TO THE SITE MUST BE PROTECTED.		REQUIREMENTS: PLACES, SITES AND OBJECTS OF ARCHAEOLOGICAL OR HERITAGE SIGNIFICANCE MUST BE PROTECTED.		<ul style="list-style-type: none"><li>CONTRACTOR TO PROVIDE TRAFFIC MANAGEMENT PLAN FOR MOSMAN WAY &amp; KARRAKATTA GROVE.</li></ul> I HAVE READ THIS ENVIRONMENTAL MANAGEMENT PLAN AND AGREE TO UNDERTAKE WORKS AND ENSURE SUBCONTRACTORS UNDERTAKE WORKS IN ACCORDANCE WITH THIS PLAN.	<ul style="list-style-type: none"><li>CONTRACTOR IS TO CONTACT TDA BEFORE YOU DO. PRIOR TO COMMENCING WORKS ON SITE.</li><li>ALL SERVICES ARE TO BE ACCURATELY LOCATED PRIOR TO WORKING IN THE VICINITY.</li><li>CONTRACTOR TO PROVIDE ELECTRICAL SPOT LIGHTS TO ILLUMINATE THE VICINITY OF OVERHEAD POWERLINES.</li><li>(CONTRACTOR) 24 HOUR SITE HOTLINE (03) XXX XXX XXXX FOR ANSWERING SERVICE FOR ROSTERED PERSON CONTACT DETAILS.</li></ul>	TDC
<ul style="list-style-type: none"><li>ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE RELEVANT FLORA AND FAUNA REPORTS.</li></ul>		<ul style="list-style-type: none"><li>NONE PRESENT.</li></ul>				
DEVELOPER: _____		CONSULTANT: _____		CONTRACTOR: _____		

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Melbourne   Ballarat   Ballina	JAS-ANZ Accredited. Quality ISO 9001 - CHMS AS/NZS 4801 - Environment ISO 14001	

CLIENT: GEELONG LAND GROUP PTY LTD P.O. BOX 315 GEELONG, VIC 3220	PROJECT: HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216
CITY OF GREATER GEELONG	

HIGHTON RIDGE STAGE 6B HIGHTON VIC 3216	
CITY OF GREATER GEELONG	

DRAWING TITLE: ENVIRONMENTAL MANAGEMENT PLAN LAYOUT PLAN	
TGM REF. No.: 007138-2068	SHEET: 1 OF 2



RISK ASSESSMENT CHECKLIST									
DUST									
ISSUES: <ul style="list-style-type: none"><li>DUST SOURCES: MOVEMENT OF VEHICLES AND MACHINERY</li><li>POTENTIAL DUST RECEPTORS: SURROUNDING RESIDENTS</li><li>PROXIMITY OF WORKS TO DUST RECEPTORS: WITHIN 200m</li><li>EXTENT OF EXPOSED EARTH AND DURATION OF TIME EXPOSED: DURATION OF PROJECT</li><li>WIND CONDITIONS: PREDOMINATELY FROM SOUTH WEST TO NORTH WEST</li></ul>					LIKELIHOOD LIKELY				
					CONSEQUENCE MODERATE				
					OVERALL RISK SIGNIFICANT				
EROSION AND SEDIMENT									
ISSUES: <ul style="list-style-type: none"><li>EROSION AND SEDIMENT SOURCES: EXPOSED SURFACES, EXCAVATIONS, STOCKPILES AND EXISTING WATERCOURSE</li><li>POTENTIAL EROSION AND SEDIMENT RECEPTORS: EXISTING STREETS AND DRAINS</li><li>PROXIMITY OF WORKS TO EROSION AND SEDIMENT RECEPTORS: ADJACENT TO SITE</li><li>EXTENT OF EXPOSED EARTH AND DURATION OF TIME EXPOSED: DRAINAGE/SEWER LINES PAVEMENT AREAS, DURATION OF PROJECT</li><li>SOIL TYPE AND EROSIVITY CLAY AND TOPSOIL</li><li>SLOPE: LAND SLOPES TO NORTH EAST</li><li>SITE DRAINAGE REGIME: OVERLAND FLOW TO SOUTH EAST</li><li>RAINFALL</li><li>VEHICLE MOVEMENTS ON AND OFF SITE:</li></ul>					LIKELIHOOD LIKELY				
					CONSEQUENCE MODERATE				
					OVERALL RISK SIGNIFICANT				
WASTE									
ISSUES: <ul style="list-style-type: none"><li>NATURAL WASTE TO BE GENERATED: SOIL &amp; CLAY MATERIAL, PACKAGING AND CONCRETE WASTE.</li><li>PRESENCE OF WASTE ON SITE PRIOR TO WORKS COMMENCEMENT: NIL</li><li>QUANTITY OF WASTE ANTICIPATED: 2000 CUM</li><li>POTENTIAL WASTE RECEPTOR: NIL</li><li>PROXIMITY TO POTENTIAL WASTE RECEPTORS: N/A</li></ul>					LIKELIHOOD UNLIKELY				
					CONSEQUENCE MINOR				
					OVERALL RISK LOW				
SIGNIFICANT FLORA / FAUNA									
ISSUES: <ul style="list-style-type: none"><li>TYPES OF FLORA / FAUNA: GRASSES, TREES, FROGS</li><li>VULNERABILITY OF FLORA / FAUNA: LOW</li><li>PROXIMITY OF FLORA / FAUNA TO WORKS: ON SITE</li><li>WORK ACTIVITIES WHICH MAY THREATEN FLORA / FAUNA: VEHICLE MOVEMENTS</li><li>POTENTIAL IMPACTS ON FLORA / FAUNA:</li></ul>					LIKELIHOOD UNLIKELY				
					CONSEQUENCE MINOR				
					OVERALL RISK LOW				
ARCHAEOLOGICAL / HERITAGE									
ISSUES: <ul style="list-style-type: none"><li>TRADITIONAL LAND HOLDERS CONSULTED: NO</li><li>SURVEY OR ASSESSMENT CONDUCTED: NO</li><li>PROBABILITY OF ENCOUNTERING ARCHAEOLOGICAL / HERITAGE ITEMS DURING WORKS: LOW</li><li>PROXIMITY OF ARCHAEOLOGICAL / HERITAGE ITEMS TO WORKS ON SITE: N/A</li><li>WORK ACTIVITIES WHICH MAY THREATEN ARCHAEOLOGICAL / HERITAGE ITEMS: EARTHWORKS</li><li>POTENTIAL IMPACTS ON ARCHAEOLOGICAL / HERITAGE ITEMS: MAY DESTROY ITEMS</li></ul>					LIKELIHOOD UNLIKELY				
					CONSEQUENCE MINOR				
					OVERALL RISK LOW				
CHEMICALS									
ISSUES: <ul style="list-style-type: none"><li>TYPES OF CHEMICALS AND FUELS USED AND/OR STORED ONSITE: PETROL</li><li>QUANTITIES OF CHEMICALS AND FUELS USED AND/OR STORED ONSITE: MINIMAL</li><li>POTENTIAL CHEMICAL RECEPTORS: DRAINAGE SYSTEMS / NEIGHBOURS</li><li>PROXIMITY TO POTENTIAL CHEMICAL RECEPTORS: WITHIN 50m</li></ul>					LIKELIHOOD UNLIKELY				
					CONSEQUENCE MINOR				
					OVERALL RISK LOW				
<div><div><div><div><div>ISSUE</div><div>ISSUED FOR</div><div>DATE</div><div>No</div><div>AMENDMENT</div><div>DATE</div><div>DRAWN</div><div>APPROVED</div></div><div><div>00</div><div>FOR APPROVAL</div><div>10/07/18</div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>DESIGNED: D.RICHARDSON</div><div>SCALE: NOT TO SCALE</div><div>DRAWN: D.RICHARDSON</div><div>SHEET SIZE: A3</div><div>SURVEY: TGM GEELONG</div><div>CHECKED: <i>Davis</i></div><div>APPROVED: <i>hghP</i></div><div>POS NO: PS 740216 X</div><div>VERSION: D3</div><div>PERMIT NO: 717/2007/F</div></div><div><div>DATE: JUNE 2018</div><div>WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION</div></div></div><div><div>TGM Group Geelong</div><div>1/27-31 Myers Street (PO Box 1137) Geelong Vic 3220</div><div>T 03 5202 4600 F 03 5202 4691</div><div>ABN 11 125 568 461</div><div>www.tgmgroup.com</div><div>Melbourne   Ballarat   Ballina</div><div>JAS-ANZ Accredited. Quality ISO 9001 - CH&amp;S AS/NZS 4801 - Environment ISO 14001</div><div></div><div>Geelong   Melbourne   Ballarat</div></div><div><div>CLIENT: GEELONG LAND GROUP PTY LTD</div><div>P.O. BOX 315</div><div>GEELONG, VIC 3220</div></div><div><div>PROJECT: HIGHTON RIDGE</div><div>STAGE 6B</div><div>HIGHTON VIC 3216</div><div>CITY OF GREATER GEELONG</div></div><div><div></div><div>CIVIL DRAWING</div></div><div><div>DRAWING TITLE: ENVIRONMENTAL MANAGEMENT PLAN</div><div>TYPICAL DETAILS</div><div>TGM REF. No: 007138-206B</div><div>SHEET: 2 OF 2</div><div>REV: 00</div></div></div> <div><div>NOISE</div><div>ISSUES:<ul style="list-style-type: none"><li>NATURE OF NOISE GENERATING WORKS: EARTHMOVING EQUIPMENT</li><li>POTENTIAL NOISE RECEPTORS: SURROUNDING RESIDENTS</li><li>PROXIMITY OF WORKS TO NOISE RECEPTORS: WITHIN 200m</li></ul></div><div>LIKELIHOOD LIKELY</div><div>CONSEQUENCE MODERATE</div><div>OVERALL RISK SIGNIFICANT</div></div> <div><div>TRAFFIC</div><div>ISSUES:<ul style="list-style-type: none"><li>LOCATION OF TRAFFIC HAZARDS: MOSMAN WAY, KARRAKATTA GROVE, REGAL STREET &amp; DAGLISH AVENUE.</li><li></li><li></li><li></li><li></li></ul></div><div>LIKELIHOOD CERTAIN</div><div>CONSEQUENCE MAJOR</div><div>OVERALL RISK SIGNIFICANT</div><div>I HAVE READ THIS ENVIRONMENTAL MANAGEMENT PLAN AND AGREE TO UNDERTAKE WORKS AND ENSURE SUBCONTRACTORS UNDERTAKE WORKS IN ACCORDANCE WITH THIS PLAN.</div><div>DEVELOPER: _____</div><div>CONSULTANT: _____</div><div>CONTRACTOR: _____</div></div> <div><div>OTHER</div><div>ISSUES:<ul style="list-style-type: none"><li>ACCESS TO SITE: FROM MOSMAN WAY &amp; PROVINCE BOULEVARD</li><li>LOCATION OF SERVICES: ALL ROADS</li></ul></div><div>LIKELIHOOD CERTAIN</div><div>CONSEQUENCE MAJOR</div><div>OVERALL RISK SIGNIFICANT</div></div>									



CATCH DRAIN



SILT FENCE



GRAVEL SAUSAGE



STOCKPILE PROTECTION

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