

STANDARD NOTES

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.

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.
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 HYDROMULCHING, WATERING AND MAINTAINED UNTIL THE END OF THE MAINTENANCE PERIOD.

GENERAL

7. THE CONTRACTOR SHALL:
- 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 6.0m FROM ANY SIDE 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.
- g) COMPLY WITH THE REQUIREMENTS OF THE MINES ACT 1958 AND RELEVANT REGULATIONS INCLUDING NOTIFICATION IN WRITING (CLAUSE 395) 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 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 COMPACTION 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.
8. 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.
9. 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.
10. 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.

ROADWORKS

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 UNDER THE FOOTPATH BEDDING MATERIAL THEN CLASS 4 FCR IS TO BE USED UNLESS OTHERWISE APPROVED BY THE COGG SUBDIVISIONS ENGINEER.
16. CONCRETE FOR KERB AND CHANNEL USED IN EXTRUSION MACHINES SHALL HAVE A MINIMUM CEMENT CONTENT OF 320 KG/M3.
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.
20. 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 IN ACCORDANCE WITH AS1289. 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.
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 15M CENTRES. REFER TO COUNCIL STANDARD DRAWING COGG 701. 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.
27. 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/FENCING IS TO BE PROVIDED AS DIRECTED BY COGG SUBDIVISIONS ENGINEER OR REPRESENTATIVE.
28. WHERE LINE MARKING NEEDS TO BE REMOVED, THESE LINES ARE TO BE PERMANENTLY REMOVED EITHER BY GRINDING THE OLD LINES OFF OR BY PLACING A SEAL AND GRIT TREATMENT (USING THE 'FLOCON' SYSTEM) OVER THE UNWANTED LINES.
29. LOT NUMBERS SHALL BE STENCILED IN 50mm HIGH FIGURES WITH WHITE PAINT ON THE FACE OF THE KERB 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

1. PIPE DRAINAGE WITHIN ROADWAYS TO BE REINFORCED CONCRETE PIPES - CLASS 2 UNLESS OTHERWISE SHOWN.
2. ALL REINFORCED CONCRETE PIPES ARE TO BE RUBBER RING JOINTED.
3. PIPES IN EASEMENTS ARE TO BE RUBBER RING 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 (WETMX) 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 WHEN 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. 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.
17. 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.
18. 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.
19. ALL SUMPS IN PRE-CAST CONCRETE PITS ARE TO BE FILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR.
20. ALL DRAINAGE PIT LIDS ARE TO BE FIBRE REINFORCED PLASTIC (FRP) OR APPROVED EQUIVALENT TO THE REQUIRED CLASS LOADING, ALL DRAINAGE PITS WITHIN THE PAVEMENT ARE TO BE CLASS D GATIC.
21. BEDDING, LAYING, JOINTING, AND BACKFILLING OF ALL STORMPRO PIPES TO COMPLETED IN ACCORDANCE WITH AS/NZS 2566.2.



G & A DRAPERS
SUPERANNUATION FUND P/L

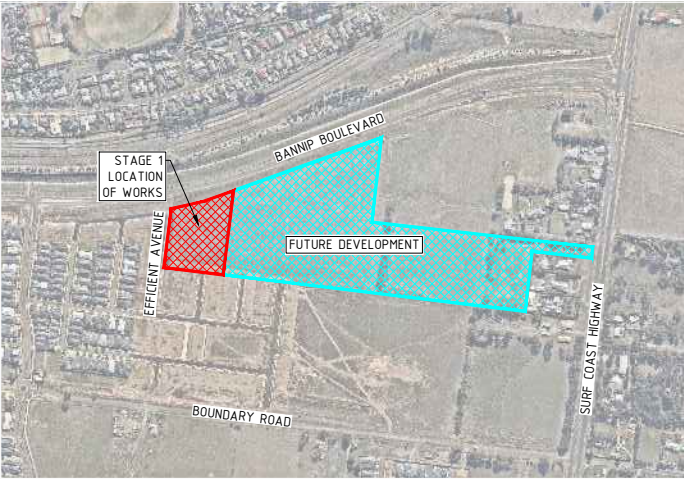
YARINGA ESTATE,
ARMSTRONG CREEK

STAGE 1
MOUNT DUNEED, Vic 3217.

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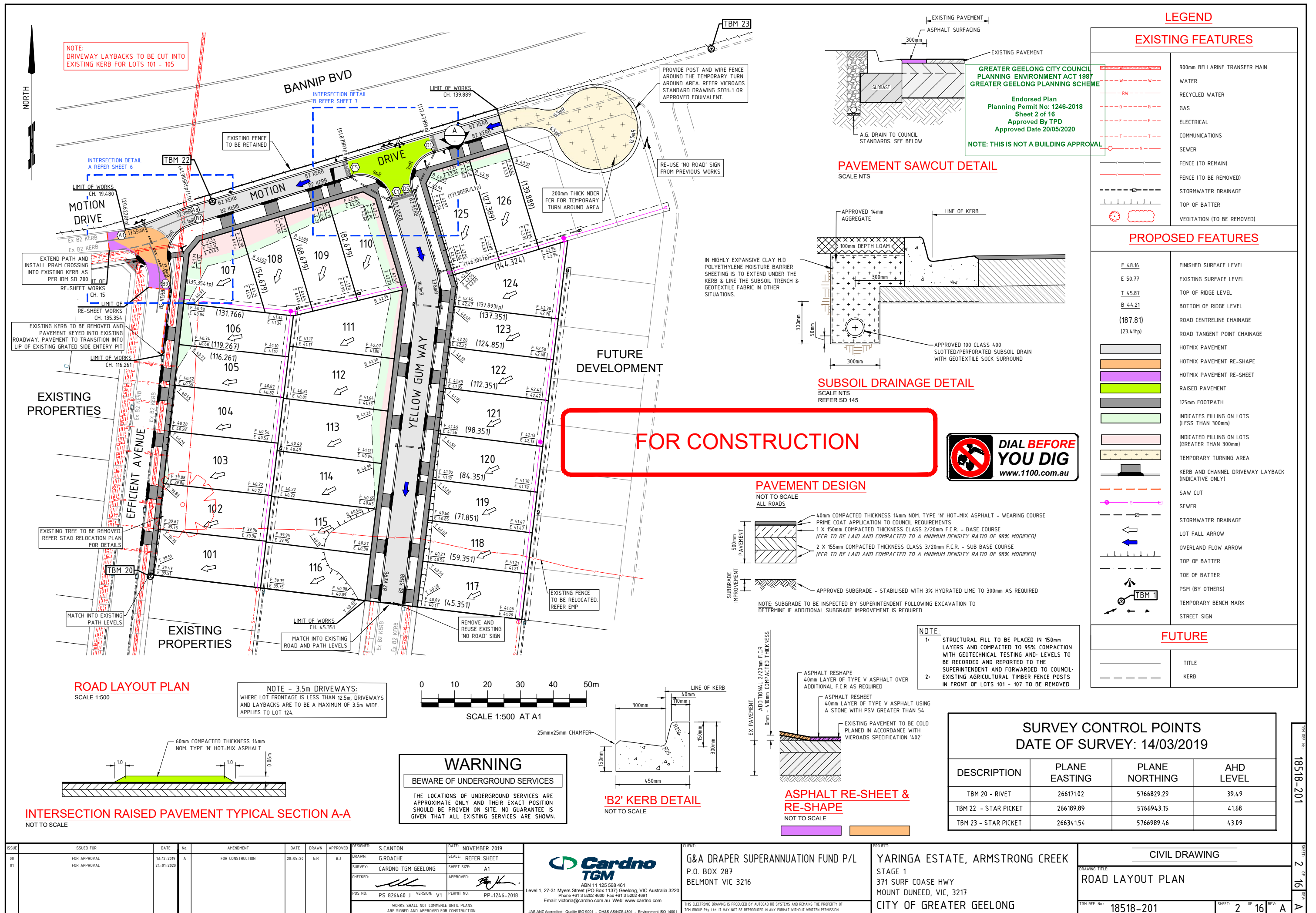
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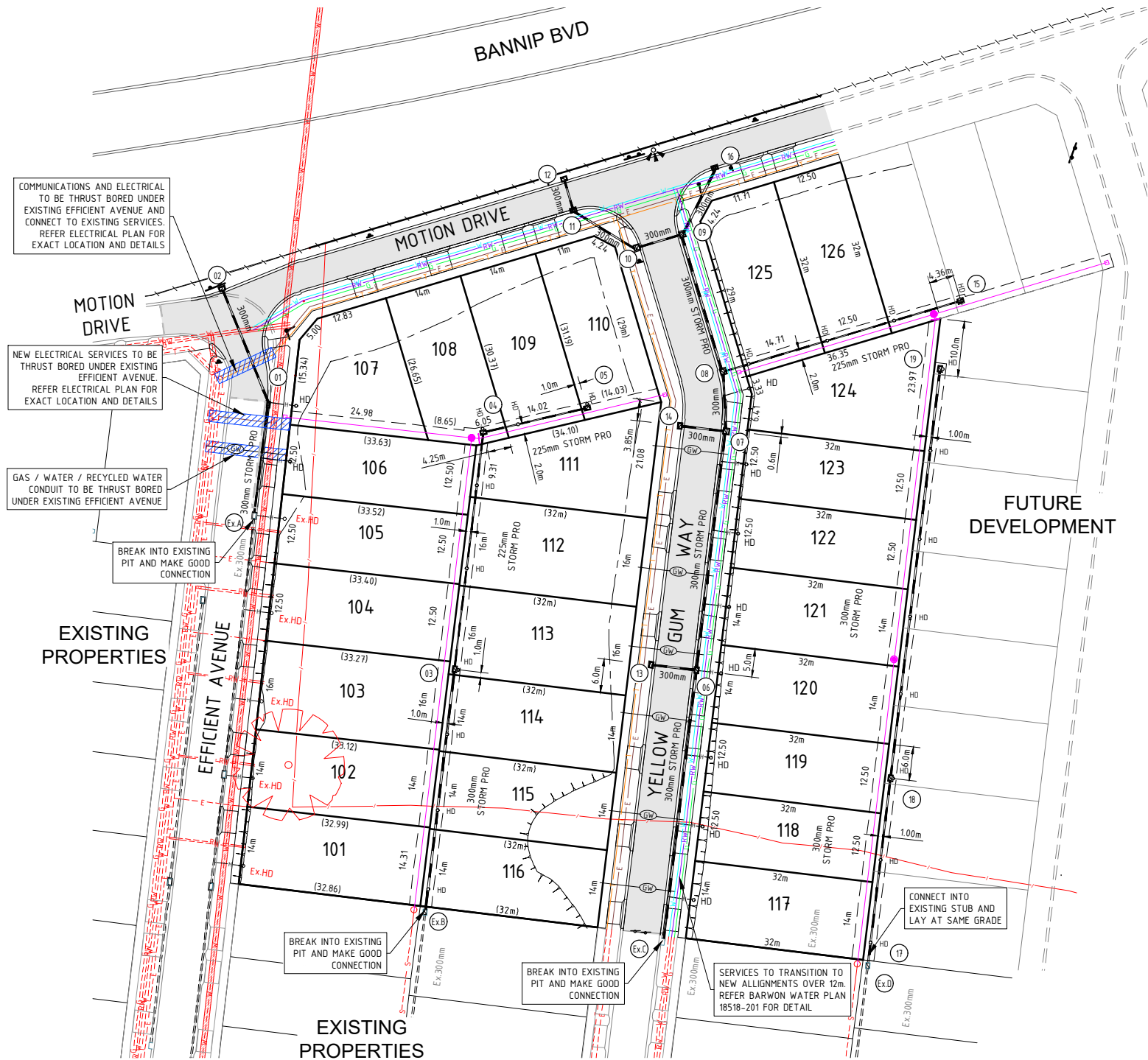
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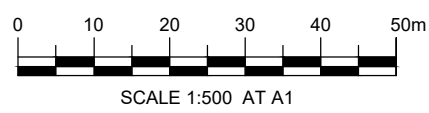
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01	FOR APPROVAL	24-01-2020						G.ROACHE	A1	P.O. BOX 287 BELMONT VIC 3216	STAGE 1 371 SURF COASE HWY MOUNT DUNEED, VIC, 3217 CITY OF GREATER GEELONG	DRAWING TITLE: INDEX AND NOTES
WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION									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.			
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NORTH



SERVICE LAYOUT PLAN
SCALE 1:500



SCALE 1:500 AT A1

FOR CONSTRUCTION

NOTE:
1- STRUCTURAL FILL TO BE PLACED IN 150mm LAYERS AND COMPACTED TO 95% COMPACTION WITH GEOTECHNICAL TESTING AND LEVELS TO BE RECORDED AND REPORTED TO THE SUPERINTENDENT AND FORWARDED TO COUNCIL.

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.



PROPOSED SERVICE LOCATIONS

Street	WATER		R / WATER		GAS		SEWER		COMMS		ELEC	
Motion Drive	S	4.25	S	3.8	S	3.2	-	-	S	1.77	S	2.4
Yellow Gum Way	E	2.9	E	2.4	E	1.9	-	-	W	1.77	W	2.6

EXISTING SERVICE LOCATIONS

Street	WATER		R / WATER		GAS		SEWER		COMMS		ELEC		WATER 900mm MAIN	
Efficient Avenue	W	3.0	W	2.6	W	2.1	-	-	W	3.54	W	4.1	W	3.0
Yellow Gum Way	E	3.0	E	2.5	E	2.0	-	-	W	1.68	W	2.5	-	-

THE CONTRACTOR IS TO CONFIRM ALL EXISTING AND PROPOSED SERVICE OFFSETS AND CLEARANCES TO ANY EXISTING INFRASTRUCTURE WITH THE RESPONSIBLE AUTHORITY PRIOR TO CONSTRUCTION COMMENCING.

LEGEND

EXISTING	
	900mm BELLARINE TRANSFER MAIN
	WATER
	RECYCLED WATER
	GAS
	ELECTRICAL
	COMMUNICATIONS
	SEWER
	FENCE (TO REMAIN)
	FENCE (TO BE REMOVED)
	STORMWATER DRAINAGE
	VEGETATION (TO BE REMOVED)
PROPOSED	
	KERB AND CHANNEL DRIVEWAY LAYBACK (INDICATIVE ONLY)
	ELECTRICAL
	GAS
	TELECOM
	SEWER
	WATER
	RECYCLED WATER
	HOUSE DRAIN
	DRAINAGE PIPE / PIT
	GAS/WATER/RECOVERED WATER CONDUIT
	THRUST BORE
	TOP OF BATTER
	TOE OF BATTER
FUTURE	
	TITLE
	KERB

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

Endorsed Plan
Planning Permit No: 1246-2018
Sheet 3 of 16
Approved By TPD
Approved Date 20/05/2020

NOTE: THIS IS NOT A BUILDING APPROVAL

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	CIVIL DRAWING
00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	1:500	NOVEMBER 2019	G&A DRAPER SUPERANNUATION FUND P/L	YARINGA ESTATE, ARMSTRONG CREEK	DRAWING TITLE:
01	FOR APPROVAL	24-01-2020	A					G.ROACHE	A1		P.O. BOX 287	STAGE 1	SERVICES LAYOUT PLAN
								CARDNO TGM GEELONG			BELMONT VIC 3216	371 SURF COASE HWY	TPD REF. No: 18518-201
								CHECKED: [Signature]				MOUNT DUNEED, VIC, 3217	SHEET: 3 OF 16
								POS NO: PS 826460 J VERSION: V1 PERMIT NO: PP-1246-2018				CITY OF GREATER GEELONG	REV: A
WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION													
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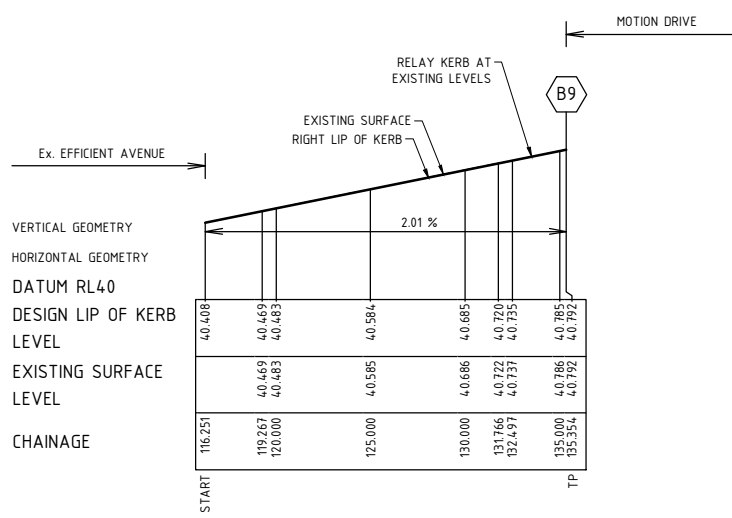
FOR CONSTRUCTION

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

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

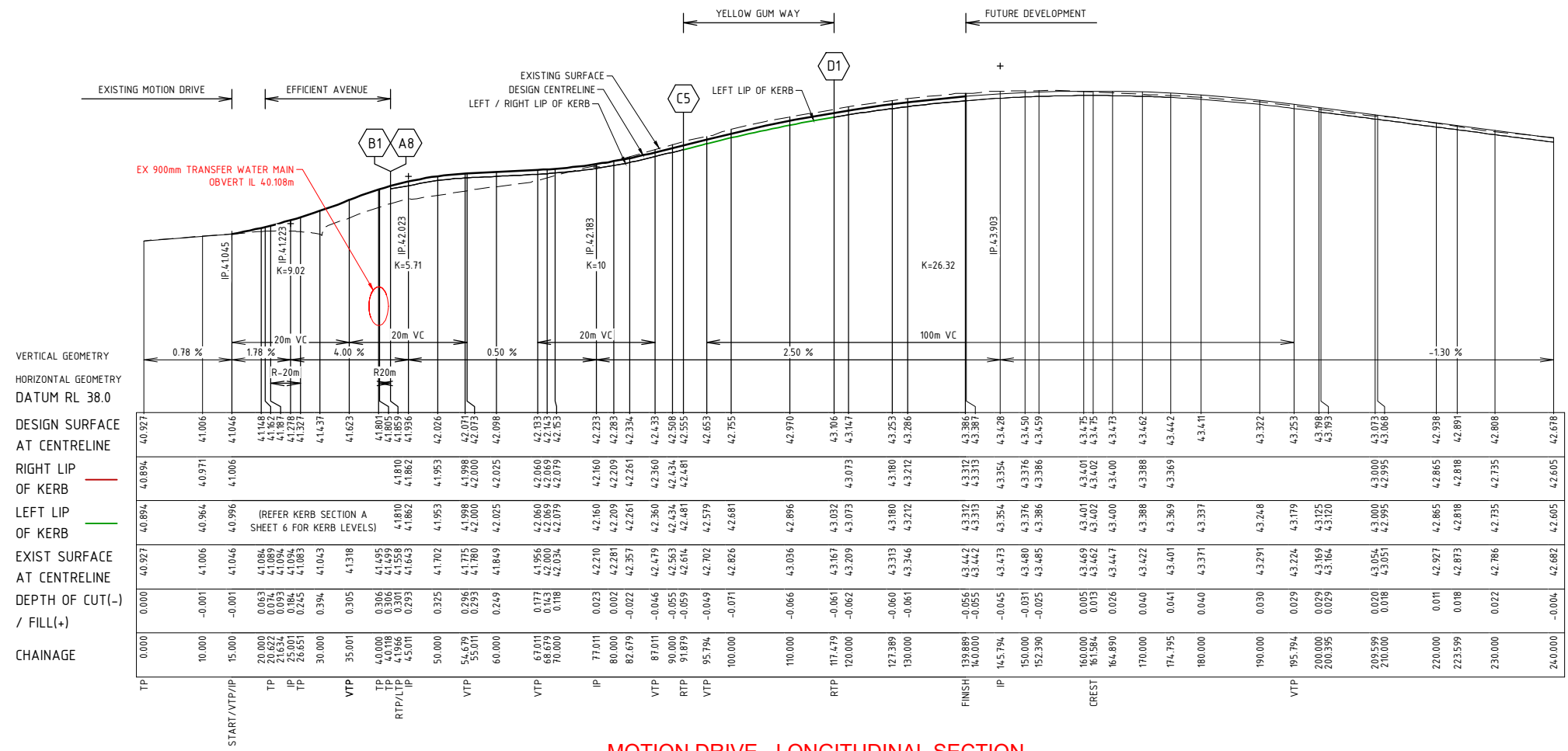
Endorsed Plan
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EFFICIENT AVENUE - LONGITUDINAL SECTION (LIP)

HORZ 1:200
VERT 1:20



MOTION DRIVE - LONGITUDINAL SECTION

HORZ 1:500
VERT 1:50

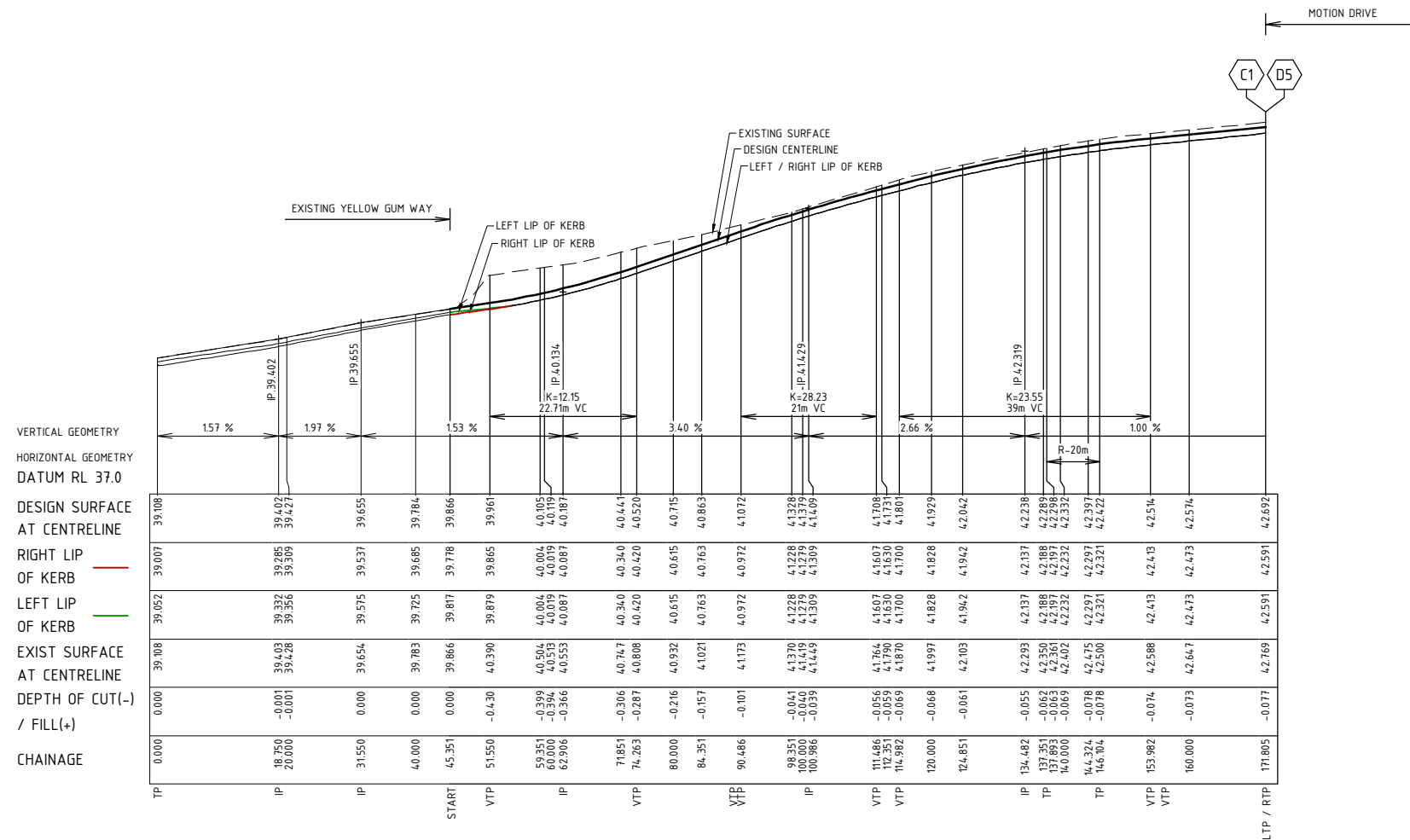
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										DRAWING TITLE: ROAD LONGITUDINAL SECTIONS MOTION DRIVE & EFFICIENT AVENUE			
										SHEET: 4 OF 16			
										REV: A			

LTP = LEFT TANGENT POINT
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GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

Endorsed Plan
Planning Permit No: 1246-2018
Sheet 5 of 16
Approved By TPD
Approved Date 20/05/2020

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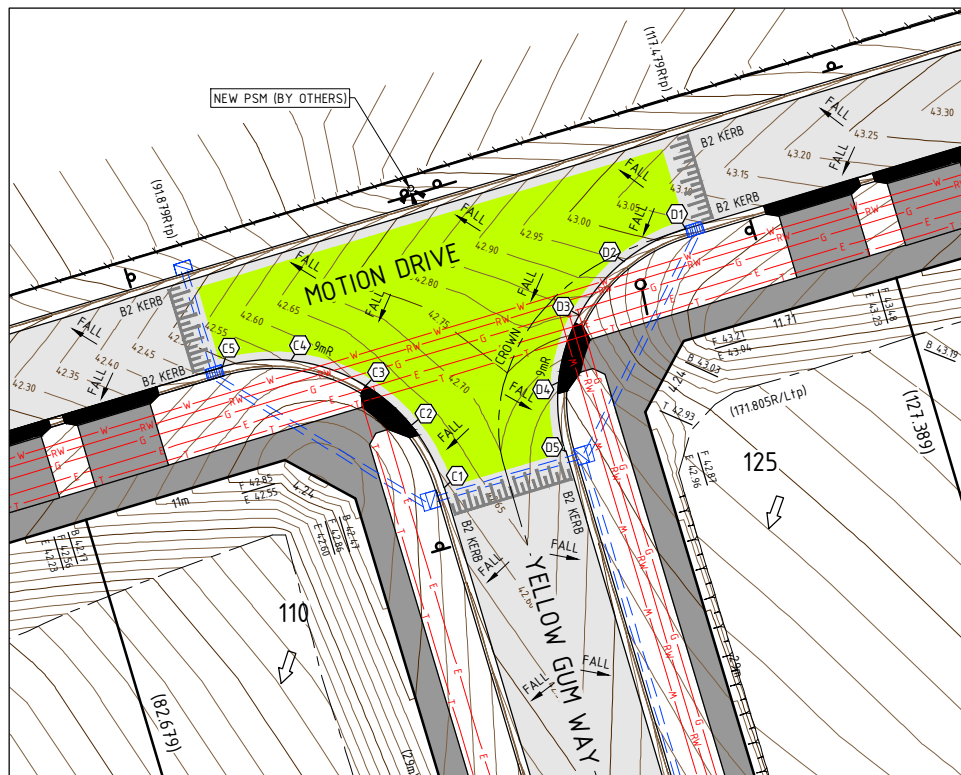


YELLOW GUM WAY - LONGITUDINAL SECTION

HORZ 1:500
VERT 1:50

FOR CONSTRUCTION

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								CARDNO TGM GEELONG		BELMONT VIC 3216	371 SURF COASE HWY	YELLOW GUM WAY
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INTERSECTION DETAIL B
SCALE 1:200



SCALE 1:200 AT A1



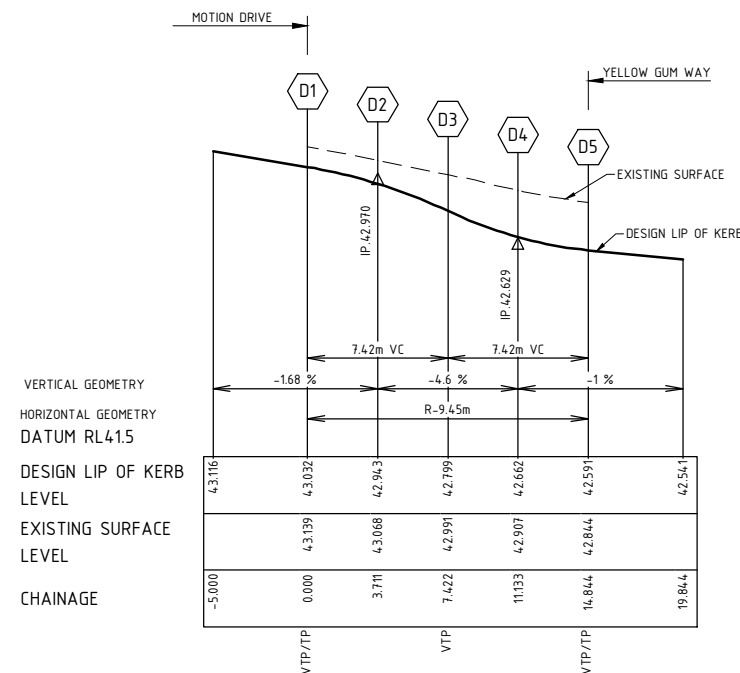
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WARNING
BEWARE OF UNDERGROUND SERVICES

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.

LEGEND

EXISTING FEATURES		PROPOSED	
	900mm BELLARINE TRANSFER MAIN		TOP OF RIDGE LEVELS
	WATER		EXISTING SURFACE LEVELS
	RECYCLED WATER		FINISHED SURFACE LEVELS
	GAS		CENTERLINE CHAINAGES
	ELECTRICAL		TANGENT POINT CHAINAGES
	COMMUNICATIONS		KERB AND CHANNEL DRIVEWAY LAYBACK (INDICATIVE ONLY)
	SEWER		HOTMIX PAVEMENT
	FENCE		RAISED PAVEMENT
			125mm FOOTPATH
			ELECTRICAL
			TELSTRA



KERB RETURN D - LONGITUDINAL SECTION

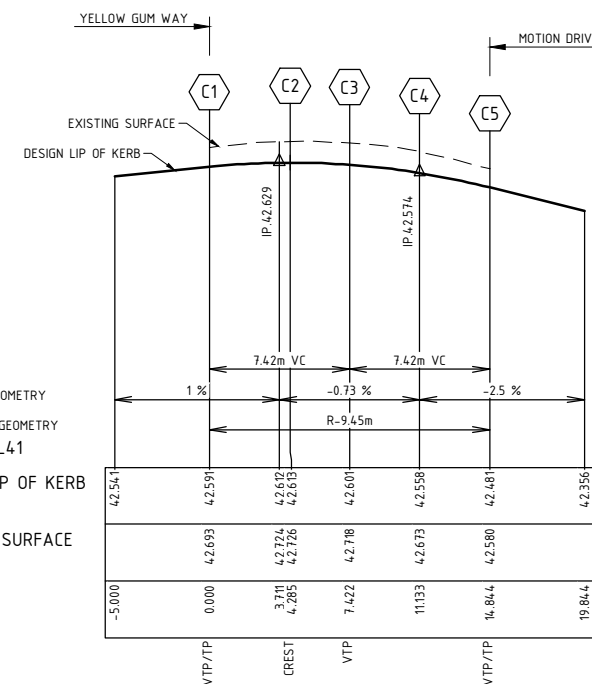
HORZ 1:200
VERT 1:20

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

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

Endorsed Plan
Planning Permit No: 1246-2018
Sheet 7 of 16
Approved By TPD
Approved Date 20/05/2020

NOTE: THIS IS NOT A BUILDING APPROVAL



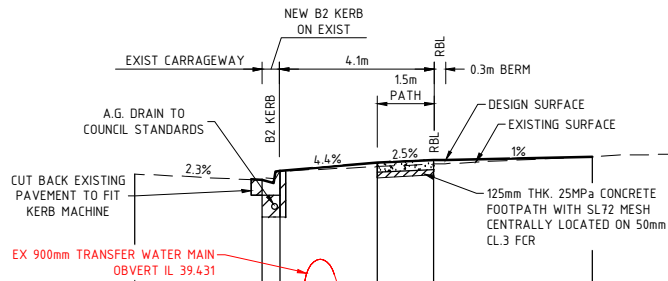
KERB RETURN C - LONGITUDINAL SECTION

HORZ 1:200
VERT 1:20

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	CIVIL DRAWING
00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	REFER SHEET	NOVEMBER 2019	G&A DRAPER SUPERANNUATION FUND P/L	YARINGA ESTATE, ARMSTRONG CREEK	
01	FOR APPROVAL	24-01-2020						G.ROACHE	A1		P.O. BOX 287 BELMONT VIC 3216	STAGE 1 371 SURF COASE HWY MOUNT DUNEED, VIC, 3217	INTERSECTION DETAIL PLAN B & KERB RETURNS
											CITY OF GREATER GEELONG		
											SHEET 7 OF 16		



ADDITIONAL CLASS 2/20mm F.C.R.
COMPACTED TO 98%



DATUM 38.0

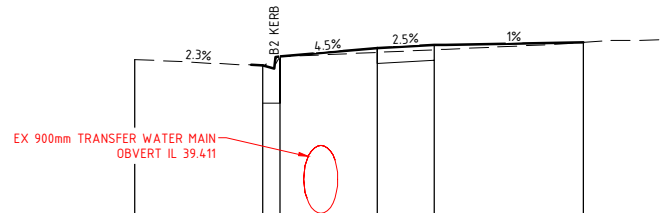
DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	40.561	40.483	40.599	40.712	40.750	40.789
EXISTING SURFACE	40.561	40.483	40.599	40.658	40.693	40.789
OFFSET	0.000	3.380	3.837	6.446	7.916	12.106

CH. 120.000 (TYPICAL)



DATUM 38.0

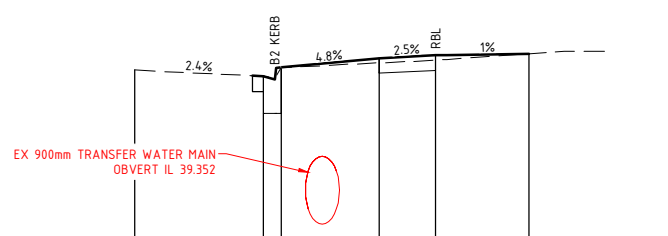
DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	40.547	40.469	40.584	40.699	40.737	40.773
EXISTING SURFACE	40.547	40.469	40.584	40.643	40.678	40.773
OFFSET	0.000	3.386	3.844	6.426	7.926	11.866

CH. 119.267



DATUM 38.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	40.489	40.408	40.523	40.646	40.684	40.705
EXISTING SURFACE	40.489	40.408	40.523	40.582	40.620	40.705
OFFSET	0.000	3.412	3.872	6.466	7.966	10.425

CH. 116.261

EXISTING PAVEMENT TO BE PLANED AND RE-SHAPED WITH 2/20mm F.C.R. 0mm-40mm COMPACTED THICKNESS AND 40mm COMPACTED THICKNESS 14mm NOM. TYPE 'N' HOT-MIX ASPHALT

EXISTING PAVEMENT TO BE PLANED AND RE-SHEETED

DATUM 40.0

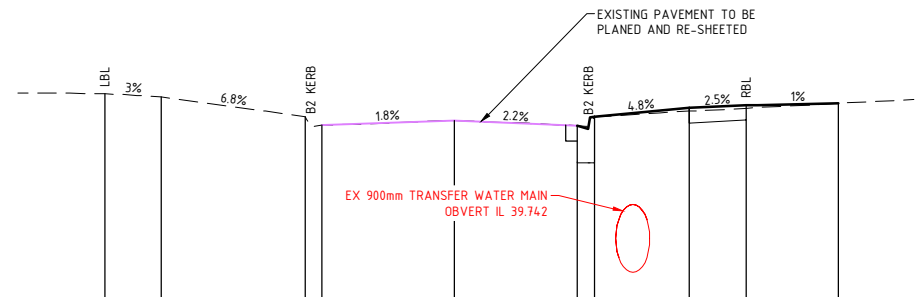
DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	41.058	41.058	41.058	41.058	41.058	41.058
EXISTING SURFACE	41.058	41.058	41.058	41.058	41.058	41.058
OFFSET	3.716	3.716	3.716	3.716	3.716	3.716

CH. 142.596



DATUM 38.0

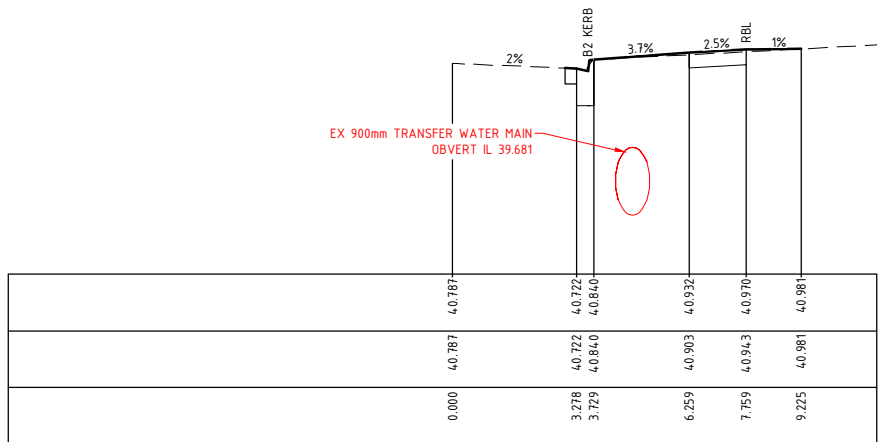
DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	41.207	41.163	40.905	40.790	40.853	40.783	40.899	41.019	41.056	41.078
EXISTING SURFACE	41.207	41.163	40.905	40.790	40.853	40.783	40.899	40.974	41.014	41.078
OFFSET	-9.249	-7.757	-3.953	-3.504	0.000	3.243	3.701	6.218	7.718	10.159

CH. 135.354 (TP)



DATUM 38.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

DESIGN SURFACE	40.787	40.722	40.840	40.932	40.970	40.981
EXISTING SURFACE	40.787	40.722	40.840	40.903	40.943	40.981
OFFSET	0.000	3.278	3.729	6.259	7.759	9.225

CH. 131.766

LTP = LEFT TANGENT POINT
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PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

Endorsed Plan
Planning Permit No: 1246-2018
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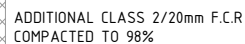
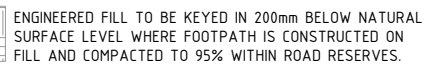
NOTE: THIS IS NOT A BUILDING APPROVAL

FOR CONSTRUCTION

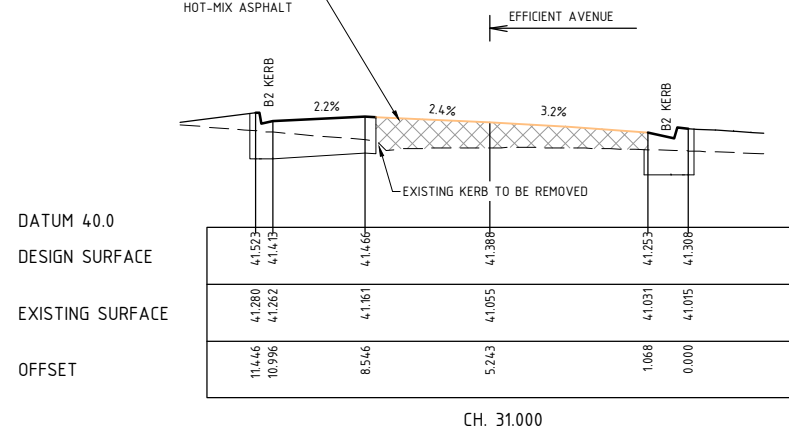
EFFICIENT AVENUE - CROSS SECTIONS

HORZ 1:100
VERT 1:50

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	CIVIL DRAWING
00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	H 1:100 V 1:50	NOVEMBER 2019	G&A DRAPER SUPERANNUATION FUND P/L	YARINGA ESTATE, ARMSTRONG CREEK	
01	FOR APPROVAL	24-01-2020						G.ROACHE	SHEET SIZE: A1		P.O. BOX 287 BELMONT VIC 3216	STAGE 1 371 SURF COASE HWY MOUNT DUNEED, VIC, 3217 CITY OF GREATER GEELONG	DRAWING TITLE: ROAD CROSS SECTIONS EFFICIENT AVENUE
								CARDNO TGM GEELONG	APPROVED: [Signature]				TGM REF. No: 18518-201
								WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION					SHEET: 8 OF 16 REV: A



EXISTING PAVEMENT TO BE PLANED AND RE-SHAPED
WITH 2/20mm F.C.R. 0mm-40mm COMPACTED THICKNESS
AND 40mm COMPACTED THICKNESS 14mm NOM, TYPE 'N'
HOT-MIX ASPHALT



CH. 31.000

EXISTING PAVEMENT TO BE PLANNED AND RE-SHEETED

EXISTING KERB

3.5%

2.4%

EXISTING KERB

EXISTING PAVEMENT TO BE PLANNED AND RE-SHAPED WITH
2/20mm F.C.R. 0mm-40mm COMPACTED THICKNESS AND 40mm
COMPACTED THICKNESS 14mm NOM, TYPE 'N' HOT-MIX ASPHALT

DATUM 40.0

DESIGN SURFACE

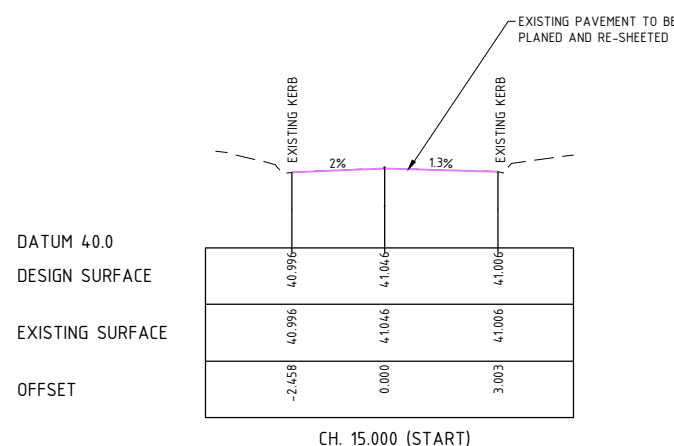
EXISTING SURFACE

OFFSET

41.015	41.003	41.024
41.015	41.069	41.026
-2.473	0.000	3.172

CH. 18.000

CH. 18.000

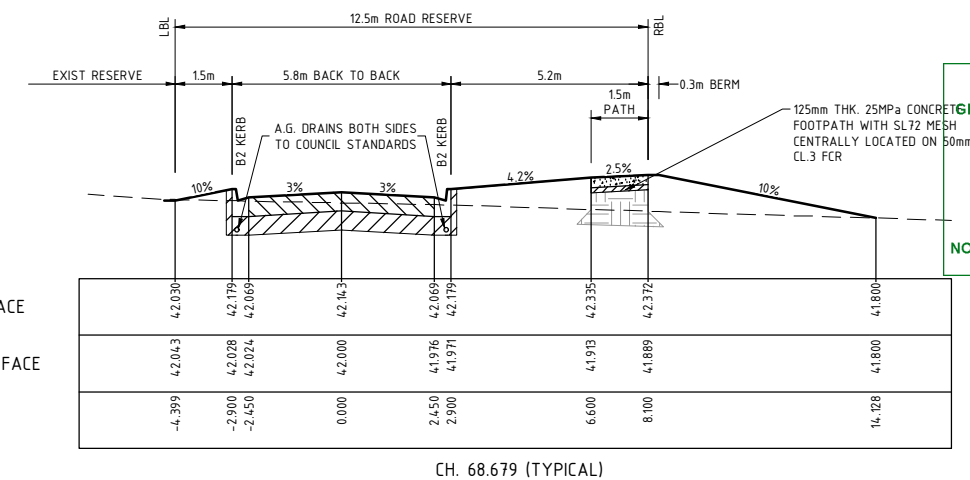


CH. 15.000 (START)

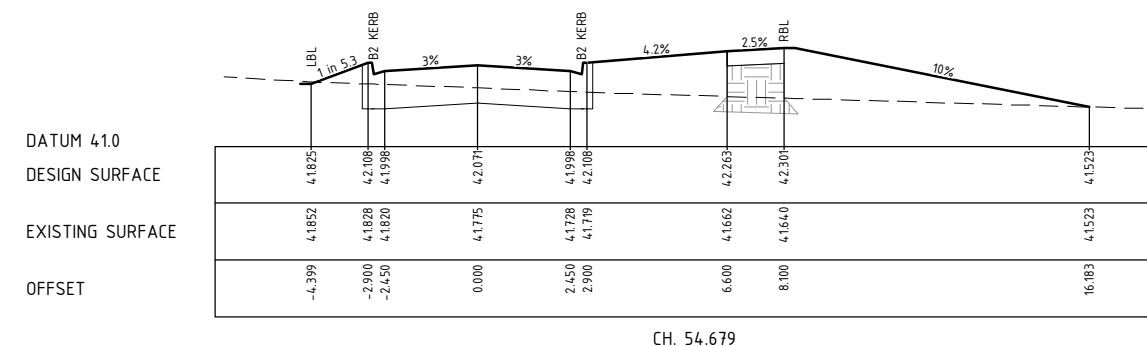
FOR CONSTRUCTION

MOTION DRIVE - CROSS SECTIONS

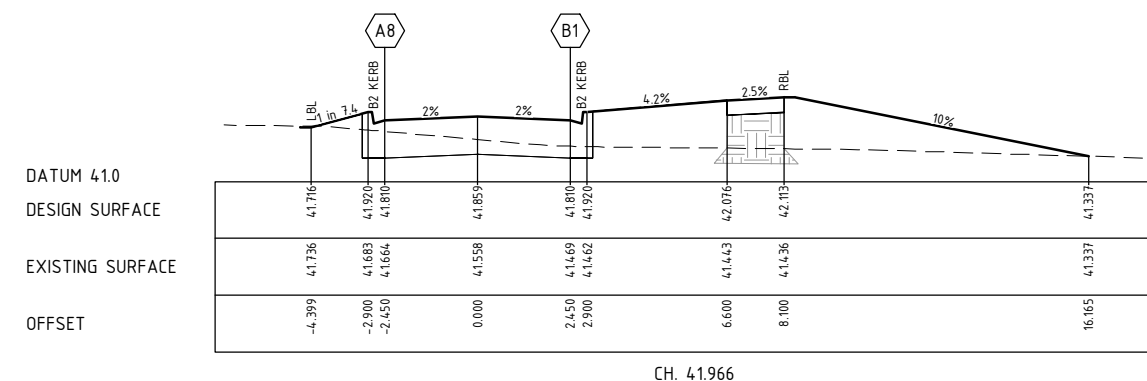
HORZ 1:100
VERT 1:50




CH. 68.679 (TYPICAL)



CH. 54.679



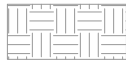
CH. 41.966

LTP = LEFT TANGENT POINT
RTP = RIGHT TANGENT POINT
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SAG = LOW POINT
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GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

Endorsed Plan
Planning Permit No: 1246-2018
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ENGINEERED FILL TO BE KEYED IN 200mm BELOW NATURAL SURFACE LEVEL WHERE FOOTPATH IS CONSTRUCTED ON FILL AND COMPACTED TO 95% WITHIN ROAD RESERVES.

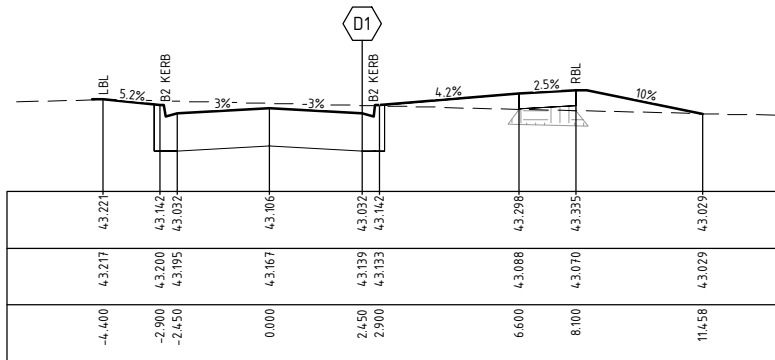
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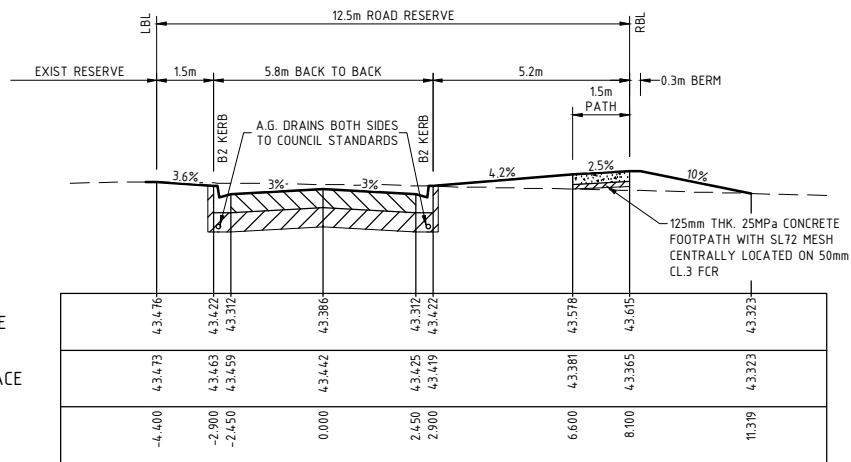
NOTE: THIS IS NOT A BUILDING APPROVAL

DATUM 42.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



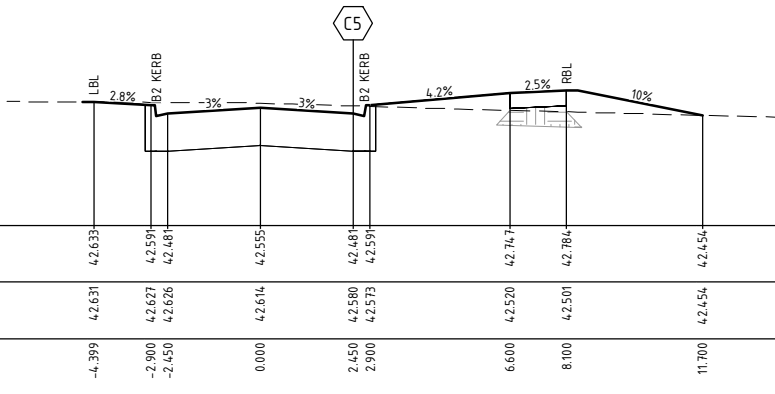
CH. 117.479 (RTP)

DATUM 42.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



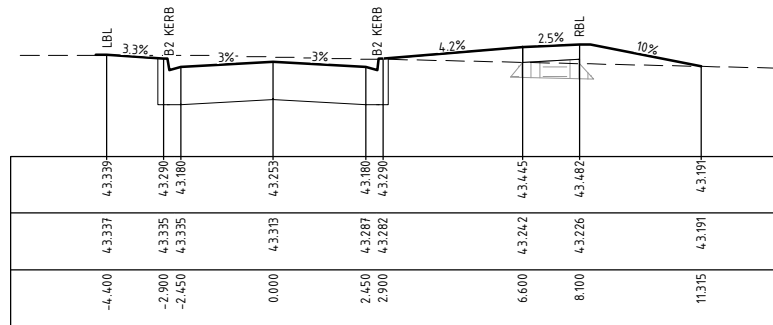
CH. 139.889 (TYPICAL) (FINISH)

DATUM 41.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



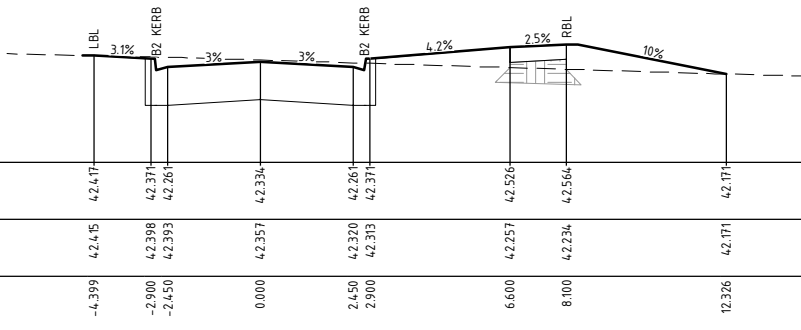
CH. 91.879 (RTP)

DATUM 42.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



CH. 127.389

DATUM 41.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



CH. 82.679

MOTION DRIVE - CROSS SECTIONS

HORZ 1:100
VERT 1:50

FOR CONSTRUCTION

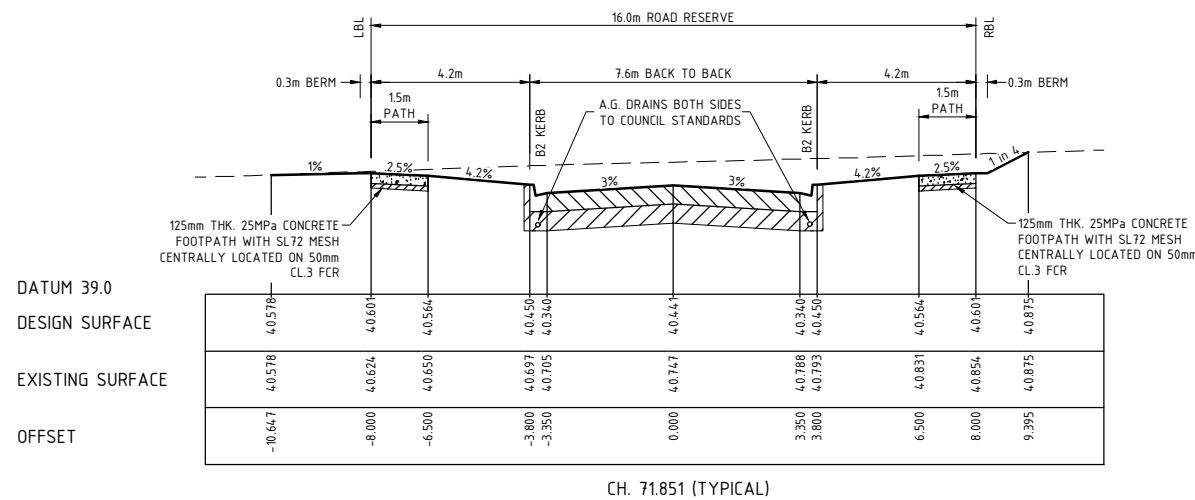
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	CIVIL DRAWING
00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	H 1:100 V 1:50	NOVEMBER 2019	G&A DRAPER SUPERANNUATION FUND P/L	YARINGA ESTATE, ARMSTRONG CREEK	
01	FOR APPROVAL	24-01-2020						G.ROACHE	SHEET SIZE: A1		P.O. BOX 287	STAGE 1	DRAWING TITLE:
								CARDNO TGM GEELONG	APPROVED: [Signature]		BELMONT VIC 3216	371 SURF COASE HWY	ROAD CROSS SECTIONS
								CHECKED: [Signature]	PERMIT NO: PP-1246-2018			MOUNT DUNEED, VIC, 3217	MOTION DRIVE
								POS NO: PS 826460 J VERSION: V1				CITY OF GREATER GEELONG	TGM REF. No: 18518-201
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.			
JAS-ANZ Accredited: Quality ISO 9001 - CH&S AS/NZS 4801 - Environment ISO 14001										SHEET 10 OF 16 REV: A			

LTP = LEFT TANGENT POINT
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Sheet 11 of 16
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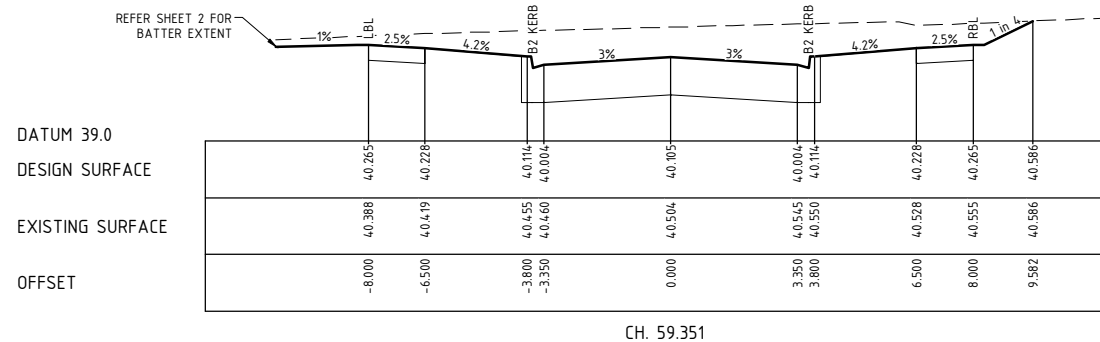
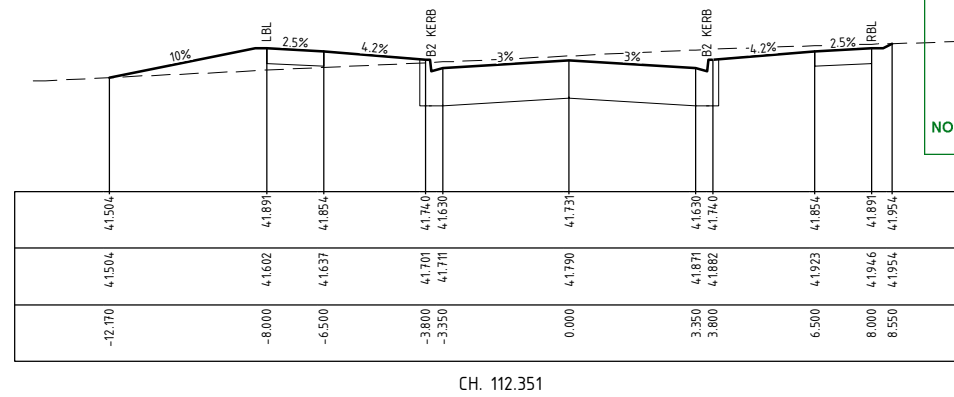


DATUM 40.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

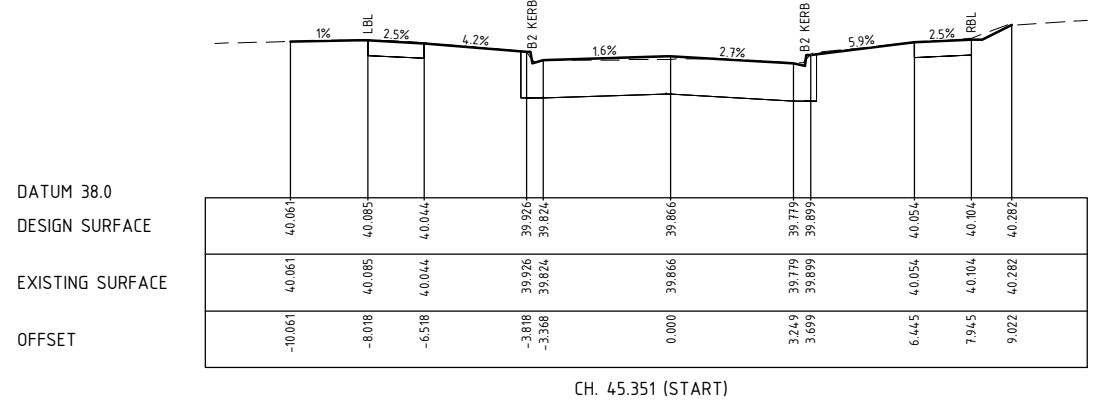
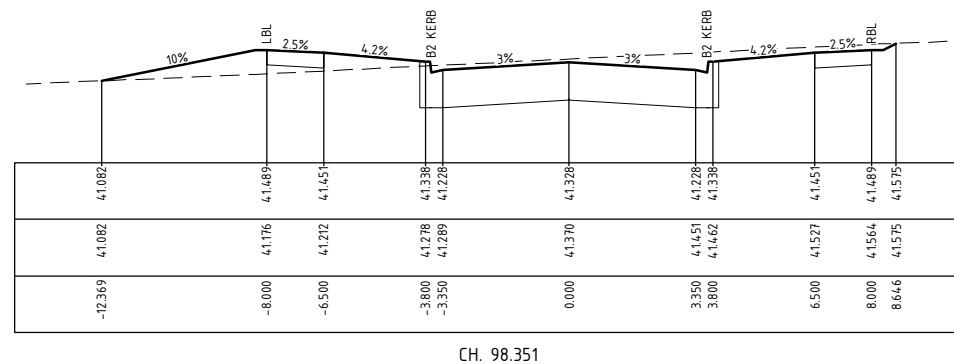


DATUM 40.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

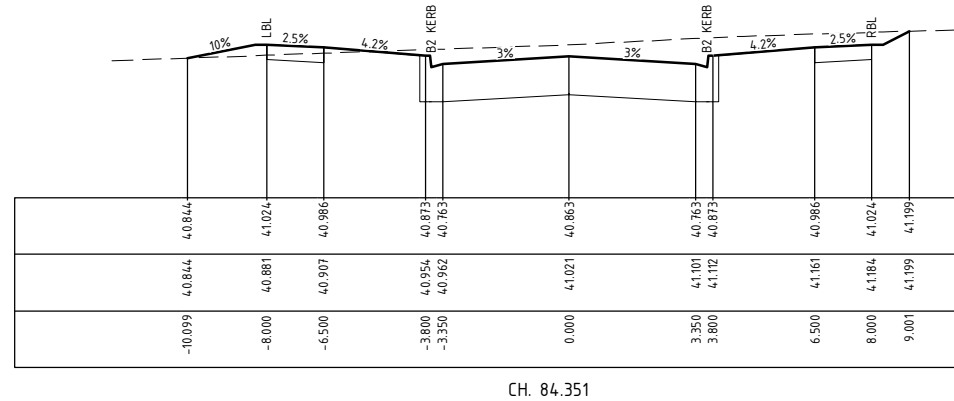


DATUM 39.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

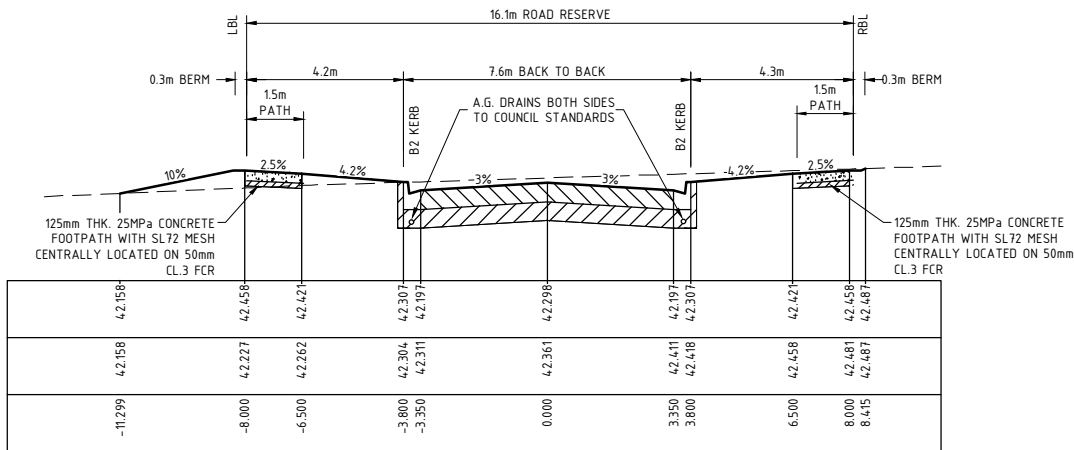


FOR CONSTRUCTION

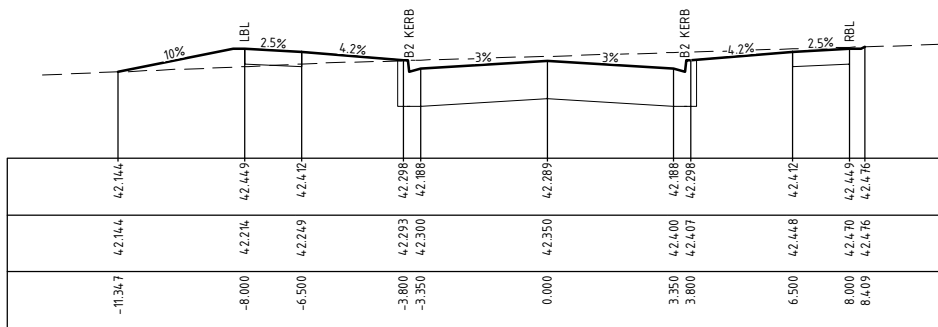
YELLOW GUM DRIVE - CROSS SECTIONS

HORZ 1:100
VERT 1:50

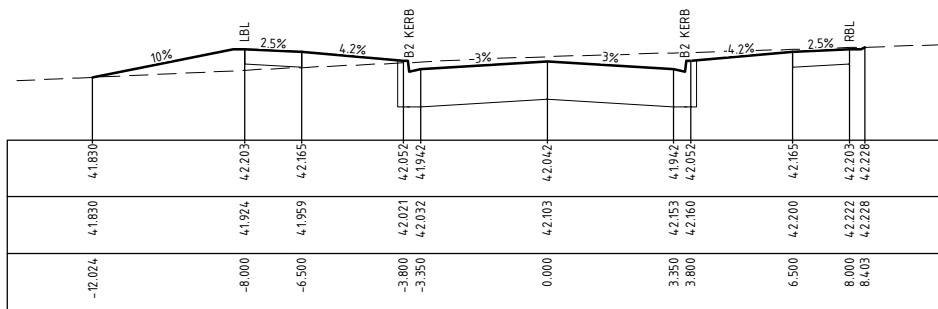
ISSUE		ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	DATE	CLIENT	PROJECT	CIVIL DRAWING		
00		FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R	B.J	S.CANTON	NOVEMBER 2019	 ABN 11 125 568 461 Level 1, 27-31 Myers Street (PO Box 1137) Geelong, VIC Australia 3220 Phone +61 3 5202 4600 Fax +61 3 5202 4691 Email: victoria@cardno.com.au Web: www.cardno.com	G&A DRAPER SUPERANNUATION FUND P/L P.O. BOX 287 BELMONT VIC 3216	YARINGA ESTATE, ARMSTRONG CREEK STAGE 1 371 SURF COASE HWY MOUNT DUNEED, VIC, 3217	DRAWING TITLE: ROAD CROSS SECTIONS YELLOW GUM WAY	
01		FOR APPROVAL	24-01-2020						SURVEY: CARDNO TGM GEELONG	SHEET SIZE: A1					
									CHECKED: 	APPROVED: 					
									POS NO: PS 826460 J VERSION: V1	PERMIT NO: PP-1246-2018					
									WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION.						
										JAS-ANZ Accredited: Quality ISO 9001 - CH&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.		CITY OF GREATER GEELONG	
												TGM REF. No: 18518-201		SHEET: 11 OF 16 REV: A	



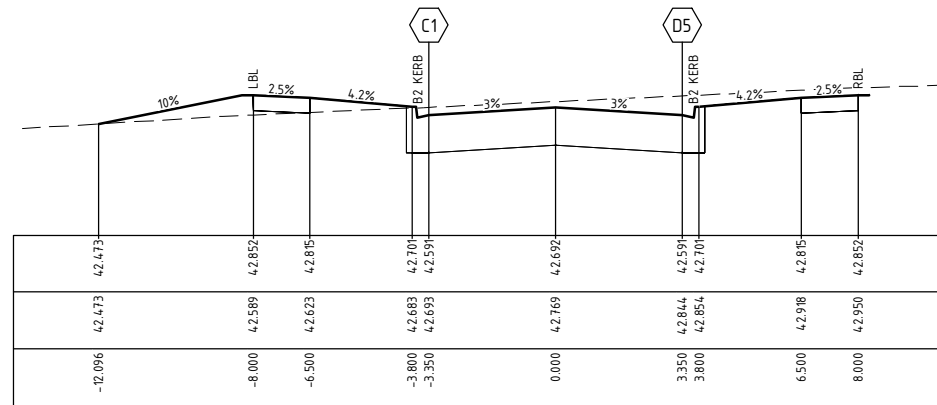
CH. 137.893 (TP) (TYPICAL)



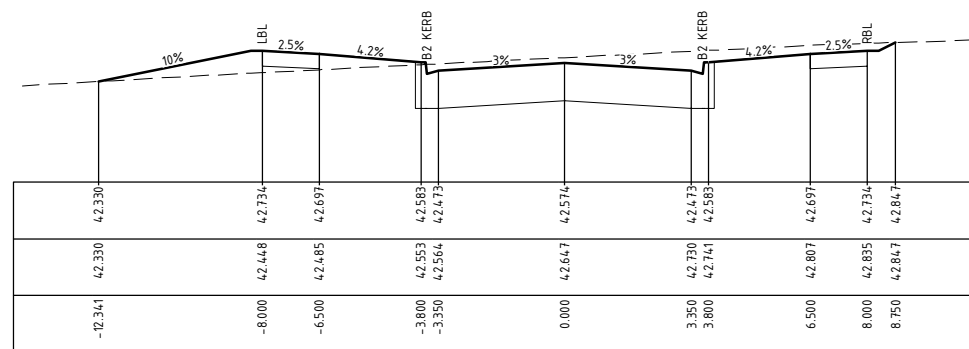
CH. 137.351



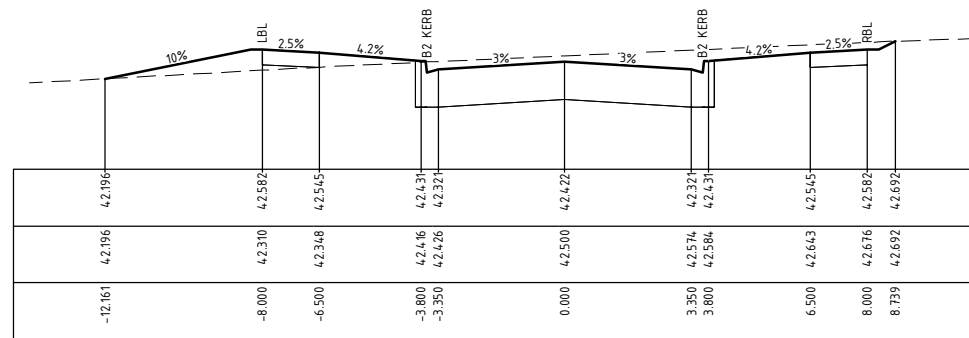
CH. 124.851



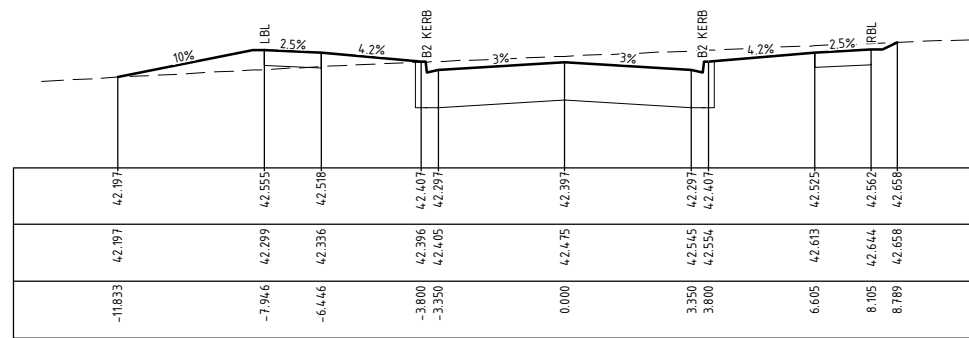
CH. 171.805 (RTP/LTP) (FINISH)



CH. 160.000



CH. 146.104 (TP)



CH. 144.324

LTP = LEFT TANGENT POINT
RTP = RIGHT TANGENT POINT
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GREATER GEELONG PLANNING SCHEME

Endorsed Plan
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Sheet 12 of 16
Approved By TPD
Approved Date 20/05/2020

NOTE: THIS IS NOT A BUILDING APPROVAL

FOR CONSTRUCTION

YELLOW GUM DRIVE - CROSS SECTIONS

HORZ 1:100
VERT 1:50

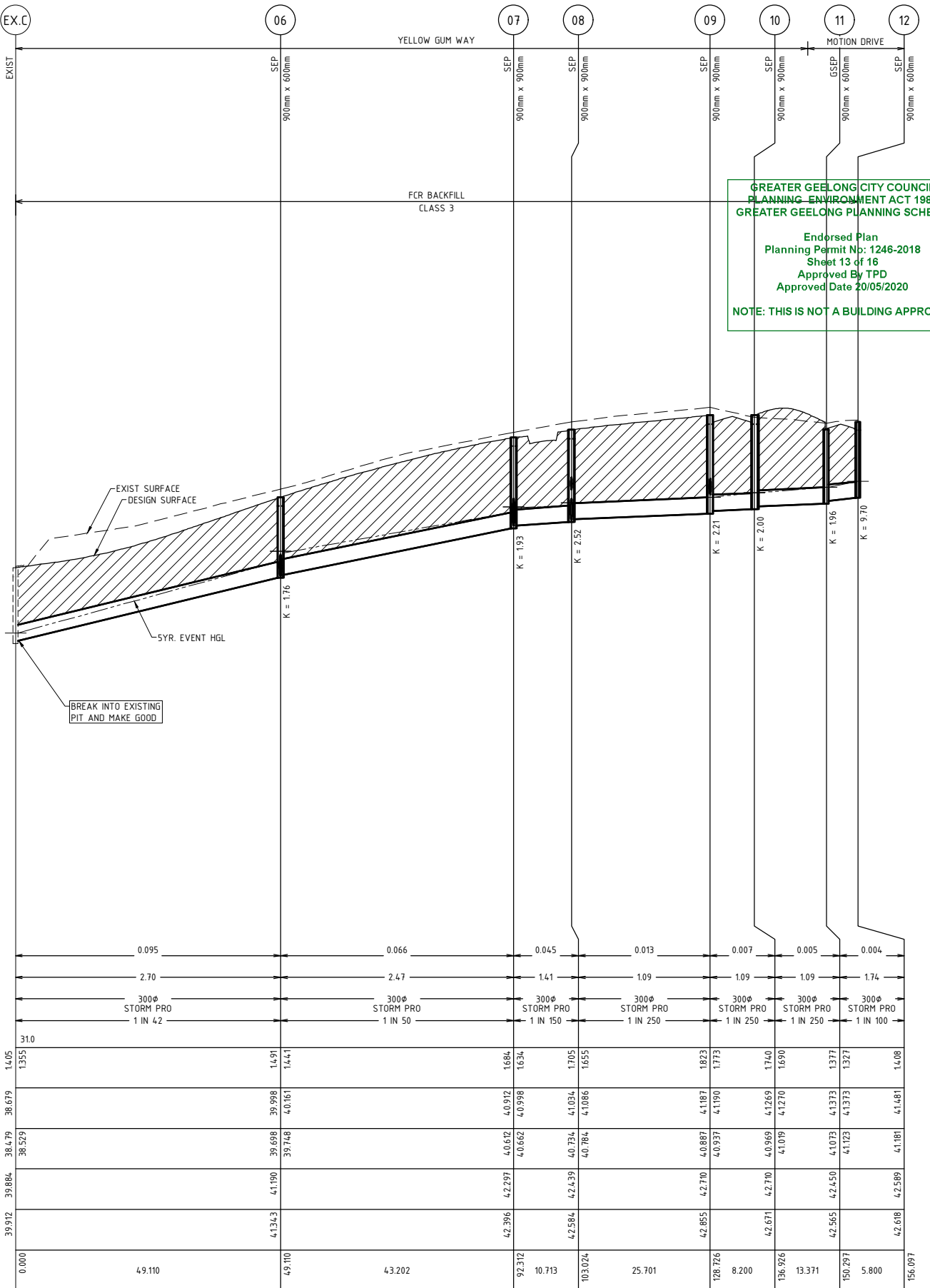
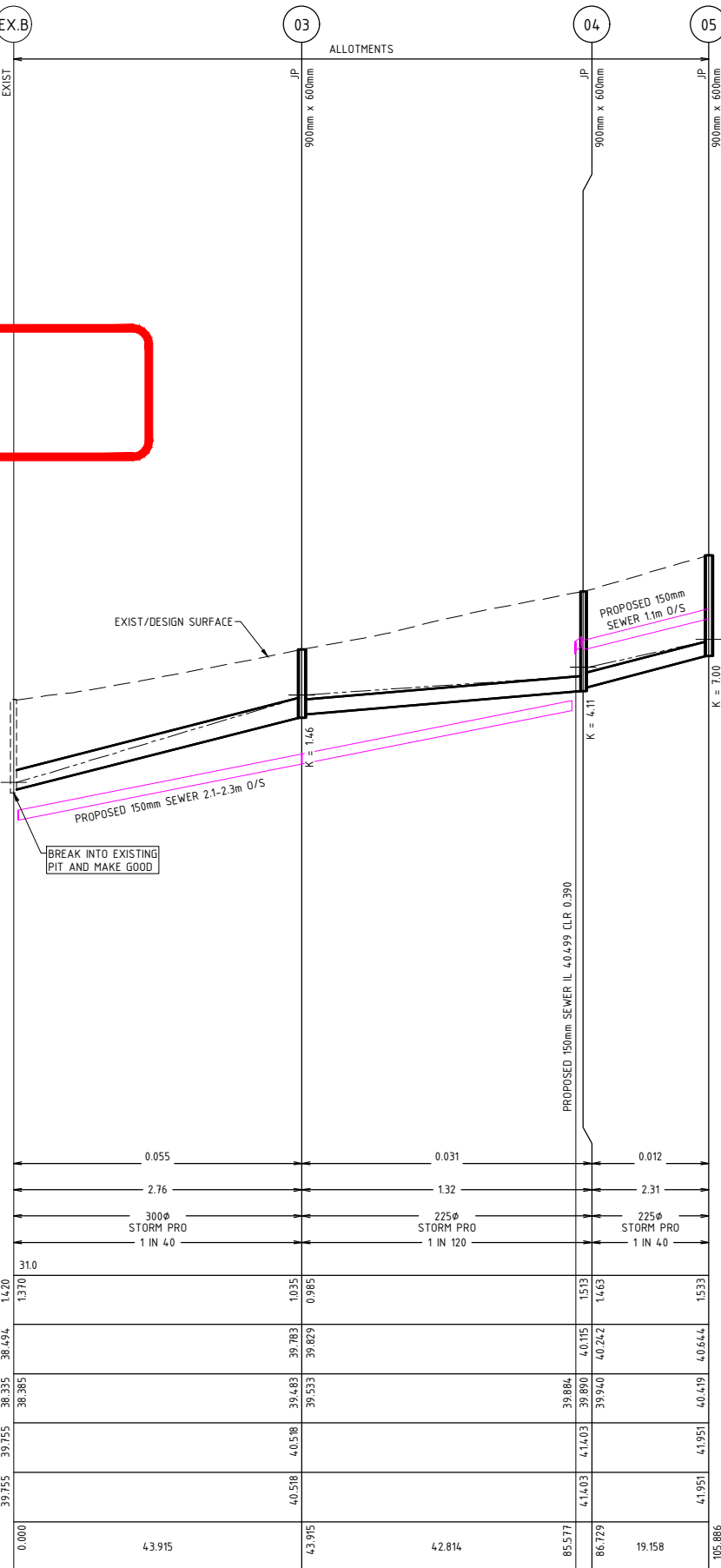
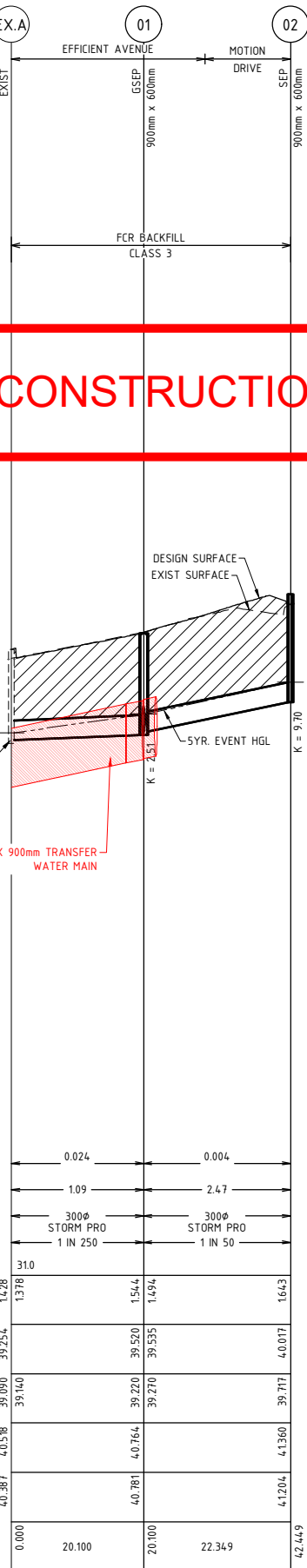
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	CIVIL DRAWING
00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	H 1:100 V 1:50	NOVEMBER 2019	G&A DRAPER SUPERANNUATION FUND P/L	YARINGA ESTATE, ARMSTRONG CREEK	DRAWING TITLE:
01	FOR APPROVAL	24-01-2020	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	G.ROACHE	A1		P.O. BOX 287	STAGE 1	ROAD CROSS SECTIONS
								CARDNO TGM GEELONG			BELMONT VIC 3216	371 SURF COASE HWY	YELLOW GUM WAY
								CHECKED:				MOUNT DUNEED, VIC, 3217	TOP REF. No: 18518-201
								POS NO: PS 826460 J VERSION: V1 PERMIT NO: PP-1246-2018				CITY OF GREATER GEELONG	SHEET 12 OF 16 REV: A
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				
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20mm NOM. SIZE
CLASS 3 FINE CRUSHED
ROCK BACKFILL

FOR CONSTRUCTION

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FLOW (CUMecs)
AT GRADE VELOCITY (m/s)
PIPE SIZE (mm)
GRADE
DATUM
DEPTH TO INVERT
HYDRAULIC GRADE LINE
INVERT LEVEL
FINISHED SURFACE LEVELS
EXISTING SURFACE LEVEL
CHAINAGE



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	DESIGNED	SCALE	DATE	CLIENT	PROJECT	DRAWING TITLE	TPM REF. No.	SHEET	REV
00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	H 1:500 V 1:50	NOVEMBER 2019	G&A DRAPER SUPERANNUATION FUND P/L	YARINGA ESTATE, ARMSTRONG CREEK	CIVIL DRAWING	18518-201	13	A
01	FOR APPROVAL	24-01-2020	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	G.ROACHE	A1		P.O. BOX 287 BELMONT VIC 3216	STAGE 1 371 SURF COASE HWY MOUNT DUNEED, VIC, 3217 CITY OF GREATER GEELONG	DRAINAGE LONGITUDINAL SECTIONS	18518-201	13	A

Cardno TGM

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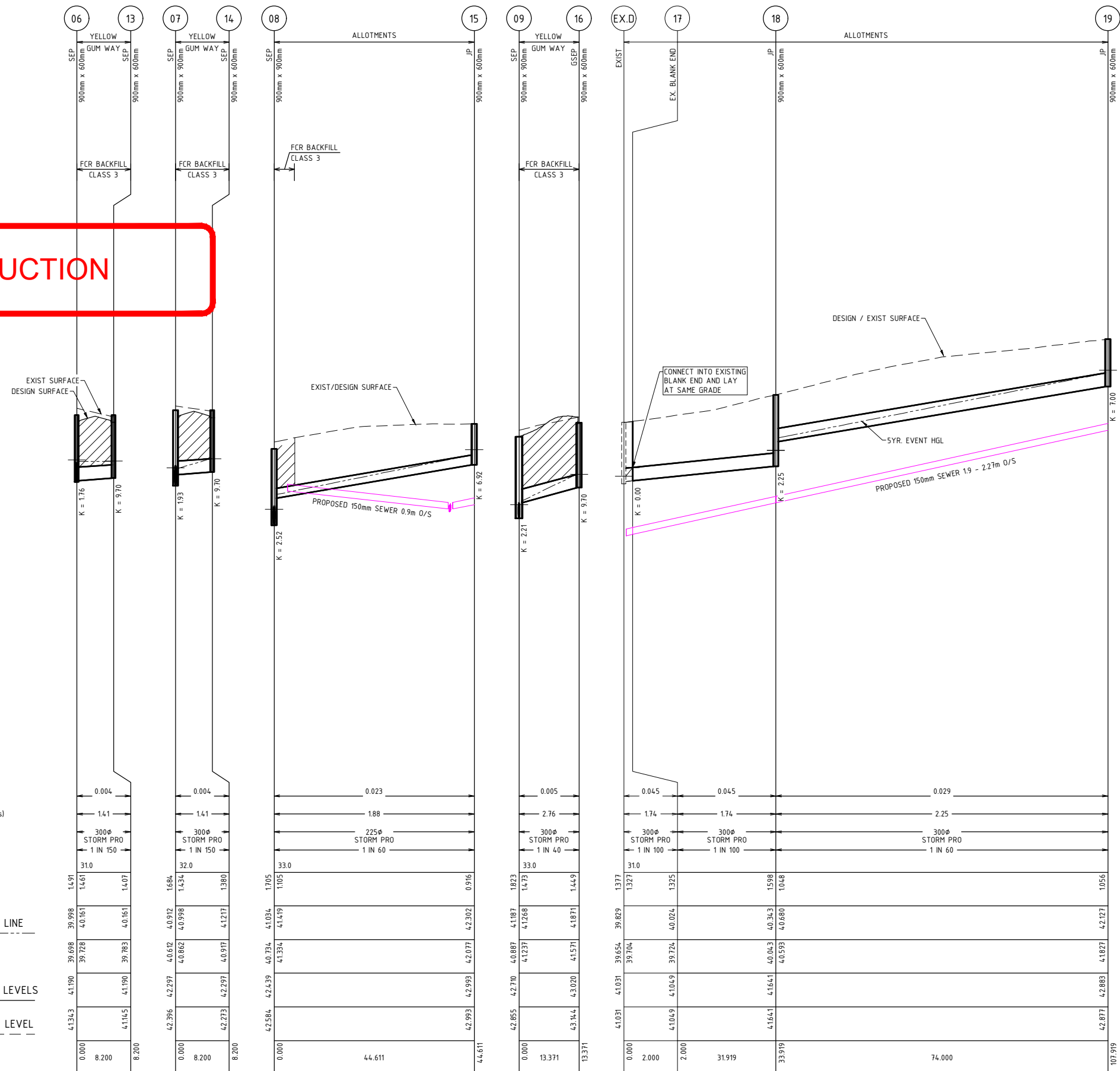
WORKS SHALL NOT COMMENCE UNTIL PLANS
ARE SIGNED AND APPROVED FOR CONSTRUCTION

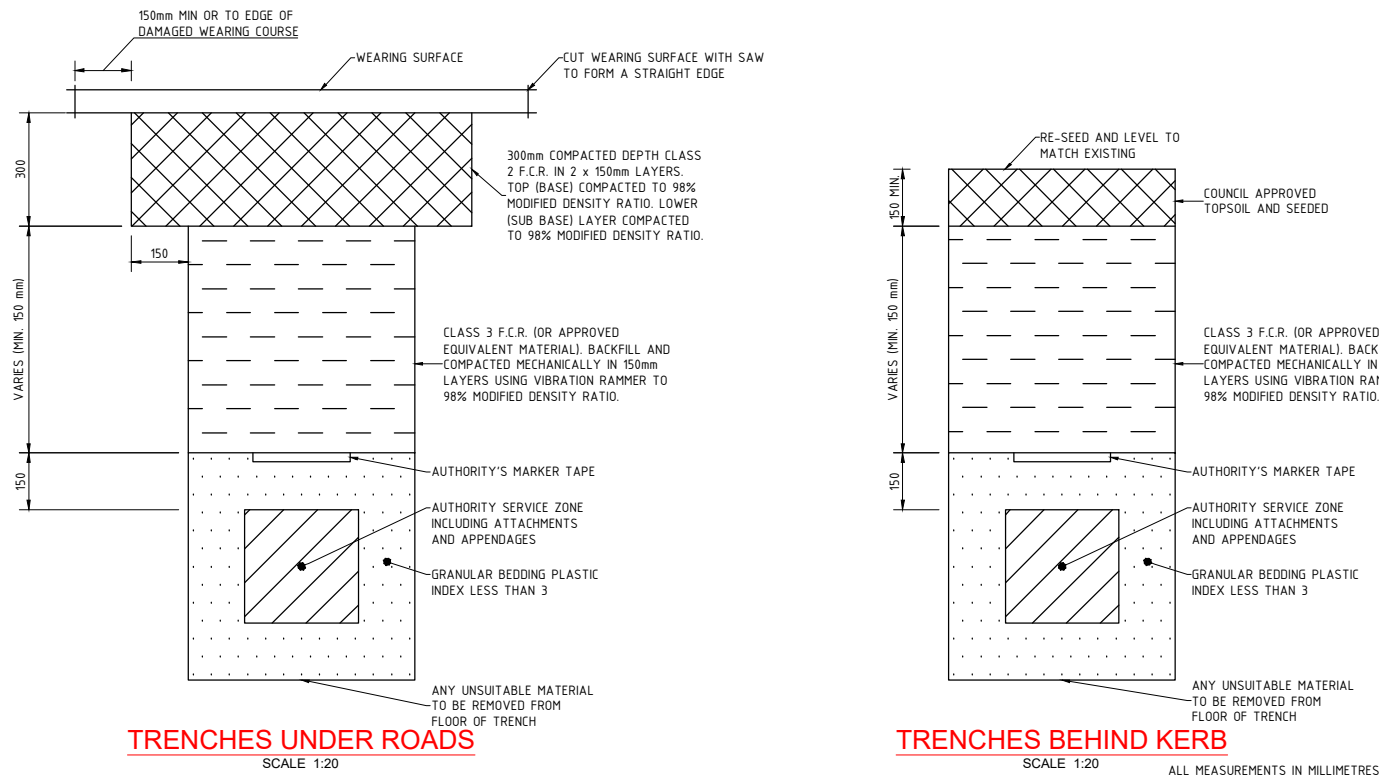
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FOR CONSTRUCTION

Endorsed Plan
Planning Permit No: 1246-2018
Sheet 14 of 16
Approved By TPD
Approved Date 20/05/2020

NOTE: THIS IS NOT A BUILDING APPROVAL

J:\18518 (371 SURF COAST HWY, MOUNT DUNEED)\201-CE (STAGE 1)\DWG\18518-201 (CIVIL) REVA.DWG





NOTES:

- TRENCHING DETAILS INDICATIVE ONLY AND SHOULD BE INSTALLED TO MANUFACTURERS SPECIFICATIONS.
- WHERE PIPE IS BEHIND KERB AND CHANNEL, INSTALL ONE METRE (1m) MINIMUM OF APPROVED 90+ CLASS 400 SLOTTED/ PERFORATED SUBSOIL DRAIN WITH GEOTEXTILE SOCK SURROUND INTO PIT IN LIEU OF SUB-SOIL DRAINAGE BEHIND KERB.
- 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.
- 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.
- CEMENT, CONCRETE OR CEMENT STABILISED CRUSHED ROCK TO BE USED WHERE SETTLEMENT OF TRENCH WILL EFFECT INFRASTRUCTURE.
- ALL EXCAVATIONS TO COMPLY WITH THE EXCAVATION CODE OF PRACTICE 2018-05, O.H.&S. REGULATIONS 2017 & O.H.&S. ACT 2004.
- BITUMEN ROAD SURFACE SHALL BE CUT WITH A SAW.
- TRENCHING BACKFILL IN ACCORDANCE WITH IDM STANDARD DRAWINGS SD-310.

PIT SCHEDULE

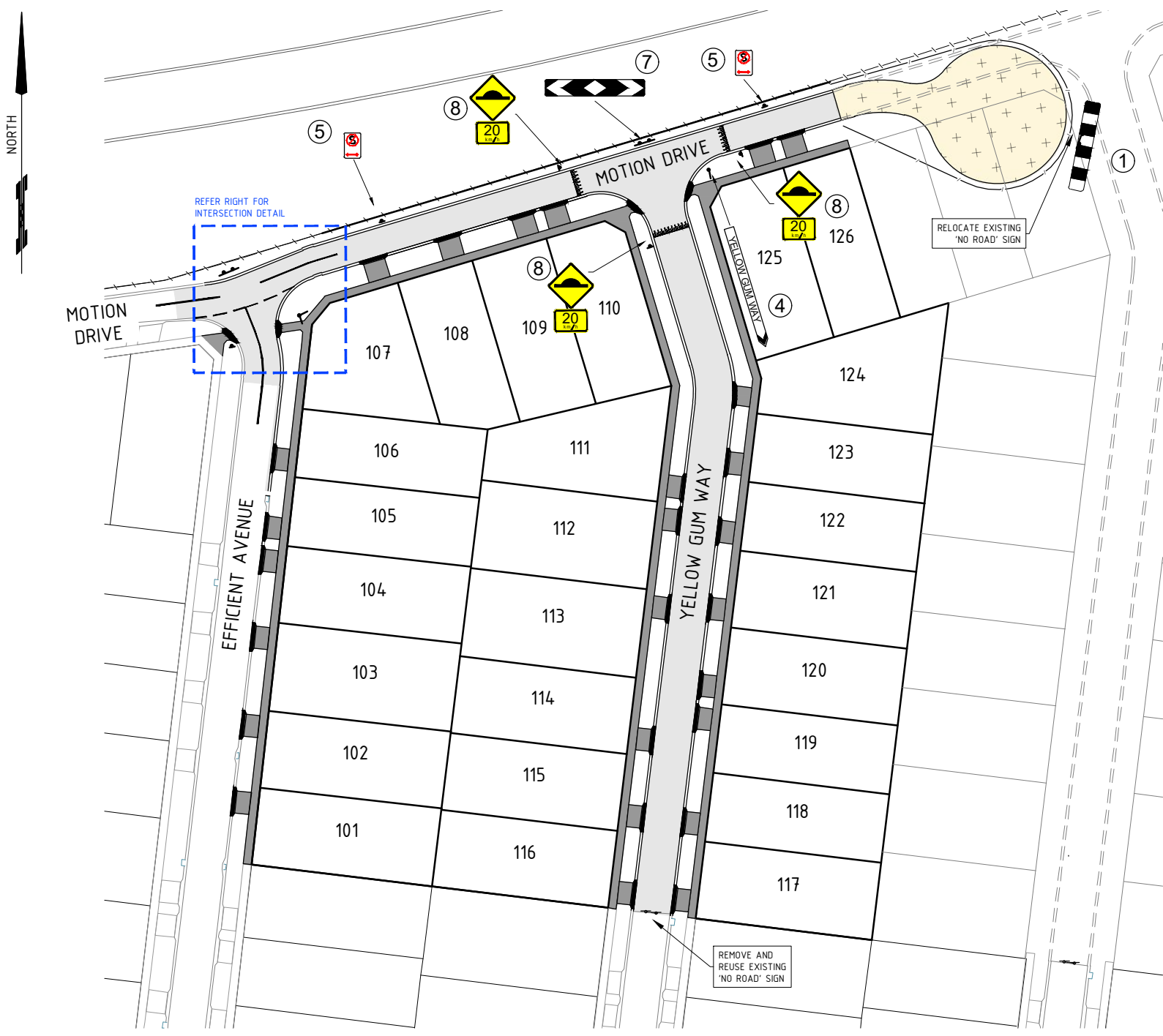
PIT	TYPE	EASTING	NORTHING	WD	LEN	FROM	INLET	OUTLET	PIT	PIT	COVER	REMARKS		
NAME	EXIST					PIT	DIA	INV	DIA	INV	RL	DEPTH	CLASS	REMARKS
Ex.A	266174.705	5766895.872	900	600	1	300	39.140			40.518	1.428	---	EXISTING PIT	
1	GSEP	266177.143	5766915.823	900	600	2	300	39.270	300	39.22	40.764	1.544	CLASS D	Refer IDM SD 475
2	SEP	266168.933	5766936.610	900	600				300	39.717	41.360	1.643	CLASS D	Refer IDM SD 430
Ex.B	266205.353	5766824.693	900	600	3	300	38.385			39.755	1.420	---	EXISTING PIT	
3	JP	266210.659	5766868.286	900	600	4	225	39.533	300	39.483	40.518	1.035	CLASS B	Refer IDM SD 425
4	JP	266215.808	5766910.789	900	600	5	225	39.940	225	39.89	41.403	1.513	CLASS B	Refer IDM SD 425
5	JP	266234.452	5766915.194	900	600				225	40.419	41.951	1.533	CLASS B	Refer IDM SD 425
Ex.C	266247.979	5766819.371	900	600	6	300	38.529			39.884	1.405	---	EXISTING PIT	
6	SEP	266254.051	5766868.104	900	600	7	300	39.748	300	39.698	41.190	1.491	CLASS D	Refer IDM SD 430
7	SEP	266259.247	5766910.992	900	900	8	300	39.728	300	40.662	42.297	1.684	CLASS D	Refer IDM SD 430
8	SEP	266258.707	5766921.691	900	900	9	300	40.862	300	40.734	42.439	1.705	CLASS D	Refer IDM SD 430
9	SEP	266251.358	5766946.319	900	900	10	225	40.784	300	40.887	42.710	1.823	CLASS D	Refer IDM SD 430
10	SEP	266243.501	5766943.974	900	900	11	300	40.937	300	40.969	42.710	1.740	CLASS D	Refer IDM SD 430
11	GSEP	266231.945	5766950.701	900	600	12	300	41.031	300	41.073	42.450	1.377	CLASS D	Refer IDM SD 475
12	SEP	266230.286	5766956.259	900	600				300	41.181	42.589	1.408	CLASS D	Refer IDM SD 430
13	SEP	266245.911	5766869.090	900	600				300	39.783	41.190	1.407	CLASS D	Refer IDM SD 430
14	SEP	266251.107	5766911.978	900	600				300	40.917	42.297	1.380	CLASS D	Refer IDM SD 430
15	JP	266301.469	5766934.400	900	600				225	42.077	42.993	0.916	CLASS B	Refer IDM SD 425
16	GSEP	266257.338	5766958.278	900	600				300	41.571	43.020	1.449	CLASS D	Refer IDM SD 475
Ex.D	266284.769	5766815.079	900	600	17	300	39.704			41.031	1.377	---	EXISTING PIT	
17	B.END	266285.036	5766817.062	0	0	18	300	39.724	300	39.724	41.049	1.325	---	Connect into existing blank end
18	JP	266288.875	5766848.749	900	600	19	300	40.593	300	40.043	41.641	1.598	CLASS B	Refer IDM SD 425
19	JP	266297.776	5766922.211	900	600				300	41.827	42.883	1.056	CLASS B	Refer IDM SD 425

NOTE:

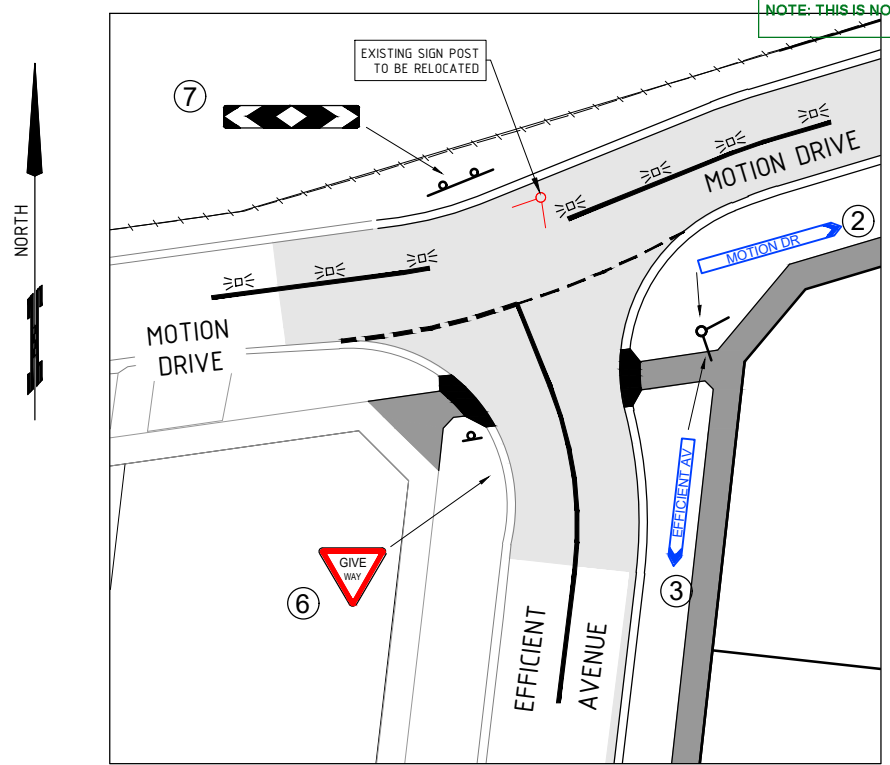
- ALL SETOUT POINTS QUOTED TO CENTRE OF 900x600 PIT
e.g.:
 SETOUT LOCATION
 SETOUT LOCATION
- SEP PITS NOTED WITH 'x' TO BE HAUNCHED TO A 900x600 (INTERNAL) OPENING WITH APPROPRIATE COVER.
- ALL HAUNCHING TO BE IN ACCORDANCE WITH IDM SD 410
- ALL DRAINAGE PIT LIDS ARE TO BE FIBRE REINFORCED PLASTIC (FRP) OR APPROVED EQUIVALENT TO THE REQUIRED CLASS LOADING. ALL DRAINAGE PITS WITHIN THE PAVEMENT ARE TO BE CLASS D GATIC.

FOR CONSTRUCTION

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00	FOR APPROVAL	13-12-2019	A	FOR CONSTRUCTION	20-05-20	G.R.	B.J.	S.CANTON	REFER SHEET	 ABN 11 125 568 461 Level 1, 27-31 Myers Street (PO Box 1137) Geelong, VIC Australia 3220 Phone +61 3 5202 4600 Fax +61 3 5202 4691 Email: victoria@cardno.com.au Web: www.cardno.com	G&A DRAPER SUPERANNUATION FUND P/L P.O. BOX 287 BELMONT VIC 3216	YARINGA ESTATE, ARMSTRONG CREEK STAGE 1 371 SURF COASE HWY MOUNT DUNEED, VIC, 3217 CITY OF GREATER GEELONG	CIVIL DRAWING				
01	FOR APPROVAL	24-01-2020					DRAWN: G.ROACHE SURVEY: CARDNO TGM GEELONG CHECKED:  POS NO: PS 826460 J VERSION: V1 PERMIT NO: PP-1246-2018	SHEET SIZE: A1 APPROVED: 	DRAWING TITLE: PIT SCHEDULE & TRENCH DETAILS								
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								JAS-ANZ Accredited: Quality ISO 9001 - CHAS AS/NZS 4801 - Environment ISO 14001				TGM REF. No: 18518-201				SHEET 15 OF 16	REV. A



SIGNAGE AND LINEMARKING PLAN
SCALE 1:500



SIGNAGE AND LINEMARKING DETAIL PLAN
SCALE 1:200



LEGEND

PROPOSED	
	HOTMIX PAVEMENT
	125mm FOOTPATH
	STREET SIGN
	LINEMARKING/RRPM

SIGNAGE SCHEDULE			
① x 0 (Ex)		D4-5	HAZARD MARKER (RE-USE FROM EXISTING STAGE)
② x 0 (Ex)		G5 SERIES	STREET NAME
③ x 0 (Ex)		G5 SERIES	STREET NAME
④ x 1		G5 SERIES	STREET NAME
⑤ x 2		P2	NO STOPPING
⑥ x 1		R1-2	GIVE WAY
⑦ x 2		D4 V101 (1800x300)	BI-DIRECTIONAL HAZARD
⑧ x 3		W5-10A W8-2A	SPEED HUMP SPEED WARNING
RRPM x 7		RRPM	BI-DIRECTIONAL RRPM