

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 385) TO THE CHIEF MINING 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 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) 52724394. 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 BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS AND ANY DISCREPANCIES OR INVALID VALUES 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.

DRAINAGE

12. PIPE DRAINAGE WITHIN ROADWAYS TO BE REINFORCED CONCRETE PIPES - CLASS 2 UNLESS OTHERWISE SHOWN.
13. ALL REINFORCED CONCRETE PIPES ARE TO BE RUBBER RING JOINTED.
14. PIPES IN EASEMENTS ARE TO BE RUBBER RING JOINTED OR UPVC SEWER CLASS PIPES WITH SOLVENT CEMENT JOINTS.
15. ALL DRAINAGE PITS IN COUNCIL RESIDENTIAL ROAD RESERVES, DRAINAGE RESERVES AND RECREATION RESERVES ARE TO HAVE LIDS THAT ARE AT LEAST CLASS C (MEDIUM DUTY) IN ACCORDANCE WITH COGG STANDARDS AND THEIR DESIGN NOTE 13.
16. ALL PITS ARE TO BE SET OUT FROM SURVEY CO-ORDINATES USING SET OUT POINTS DETAILED IN THE COGG STANDARD DRAWINGS OR AS SPECIFIED IN THIS DRAWING SET.
17. 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.
18. 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.
19. PIPEWORK AT ALL PITS TO BE WELL ALIGNED TO ENSURE FLOW IS GUIDED DIRECTLY TO OUTLET PIPE.
20. 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.
21. PROPERTY INLET PITS TO BE LOCATED 1M FROM THE LOW CORNER UNLESS OTHERWISE SHOWN.
22. HOUSE DRAINS ARE TO BE 100mm DIAMETER UPVC 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).
23. HOUSE DRAINS ARE TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE AT THE LOT BOUNDARY UNLESS OTHERWISE SHOWN.
24. EASEMENT DRAIN CONNECTION TO BE A MINIMUM OF 0.5m BELOW FINISHED SURFACE UNLESS OTHERWISE SHOWN.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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. REFER COGG STANDARDS AND THEIR DESIGN NOTE 13.
32. BEDDING, LAYING, JOINTING, AND BACKFILLING OF ALL STORMPRO PIPES TO COMPLETED IN ACCORDANCE WITH AS/NZS 2566.2.
33. CONCRETE FOR STORMWATER PITS AND ANY OTHER STORMWATER RELATED STRUCTURE IS TO HAVE A MINIMUM STRENGTH OF 25MPA AT 28 DAYS IN ACCORDANCE WITH IDM STANDARDS.



Stantec

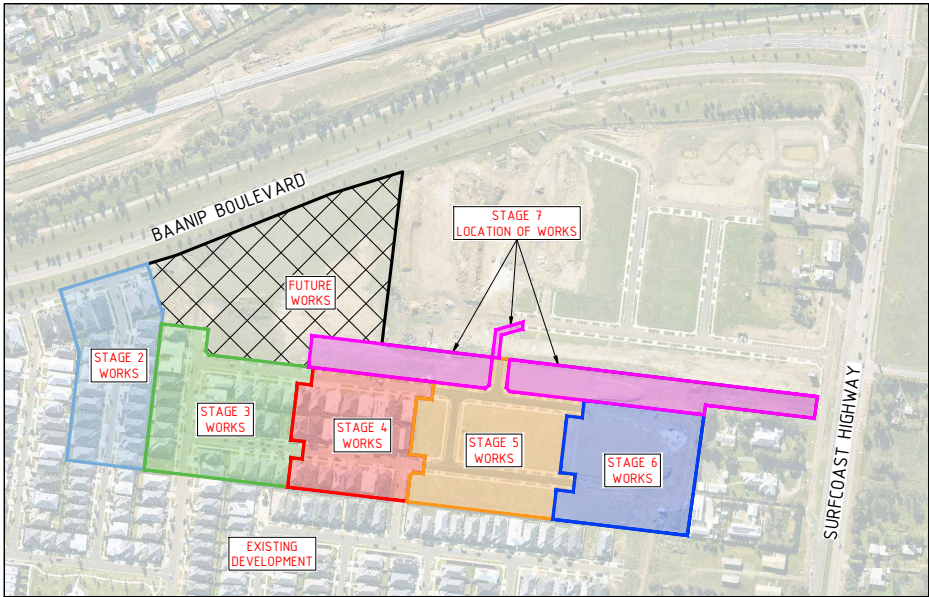
G & A DRAPER SUPERANNUATION FUND PTY LTD

YARINGA ARMSTRONG CREEK

STAGE 7  
MOUNT DUNEED, VIC 3217.

INDEX

SHEET 1	REV AC	INDEX AND NOTES
SHEET 2	REV AC	LOT LAYOUT PLAN
SHEET 3	REV AC	SERVICES LAYOUT PLAN
SHEET 4	REV AC	DRAINAGE LONGITUDINAL SECTIONS
SHEET 5	REV AC	DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE



LOCALITY PLAN

SCALE: N.T.S  
MELWAYS REF: MAP465 F10

AS-CONSTRUCTED

CONTRACTOR'S SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

CONSULTANT'S SIGNATURE:   
DATE: 05/08/2025



ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	DESIGNED	DATE
01	CONSTRUCTION	A.S	S.H	22/08/2024	A B AC	ADDITIONAL DRAINAGE NORTH OF DEVELOPMENT DRAINAGE AMENDMENTS  AS CONSTRUCTED	J.P	S.H  D.B	10/02/25 06/03/25 05/08/25	A. SHIELS I. REGUSCI S. HUNDT PE VIC No: PE0007971 SIGNED:	AUGUST 2024



CLIENT: G&A DRAPER SUPERANNUATION FUND PTY LTD  
P.O BOX 287  
BELMONT, VIC, 3216

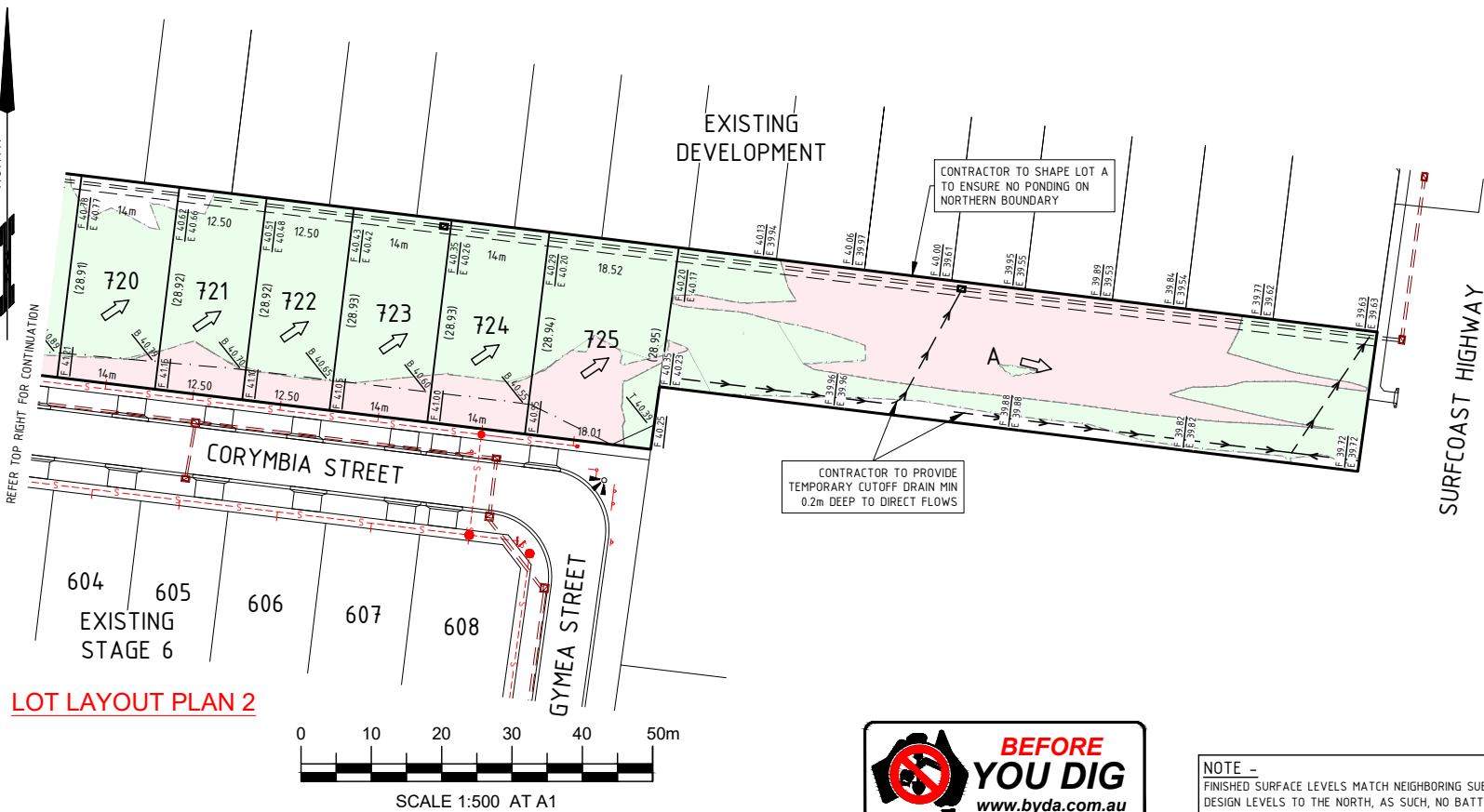
PROJECT: STAGE 7  
YARINGA ARMSTRONG CREEK  
MOUNT DUNEED, VIC, 3217  
  
CITY OF GREATER GEELONG

CIVIL DRAWING		
DRAWING TITLE: INDEX AND NOTES		
Stantec REF. No.: 18518-207	SHEET: 1 OF 5	REV: AC





LEGEND	
EXISTING	
	TITLE
	EASEMENT
	KERB
	DRIVEWAY
	SEWER
	STORMWATER DRAINAGE PIPE/PIT
	SIGN
	PSM
PROPOSED	
	TITLE BOUNDARY
	EASEMENT
	FINISHED SURFACE LEVEL
	EXISTING SURFACE LEVEL
	BOTTOM OF RIDGE LEVEL
	STORMWATER DRAINAGE
	SEWER
	LOT FALL ARROW
	TOE OF BATTER
	TEMPORARY BENCH MARK
	INDICATES FILLING ON LOTS (LESS THAN 300mm)
	INDICATES FILLING ON LOTS (GREATER THAN 300mm)
	CUTOFF DRAIN
FUTURE	
	TITLE
	KERB
	STORMWATER DRAINAGE PIPE/PIT



**AS-CONSTRUCTED**

CONTRACTOR'S SIGNATURE: \_\_\_\_\_ CONSULTANT'S SIGNATURE:   
DATE: \_\_\_\_\_ DATE: 05/08/2025

**SURVEY CONTROL POINTS**  
DATE OF SURVEY: 23/12/2020

DESCRIPTION	PLANE EASTING	PLANE NORTHING	AHD LEVEL
TBM 31 - STAR PICKET	266446.46	5767028.95	41.60
TBM 32 - STAR PICKET	266514.54	5766907.57	41.86
TBM 33 - SPIKE	266569.09	5766922.28	41.71
TBM 34 - STAR PICKET	266507.52	5766822.47	41.72

**PERMANENT SURVEY MARKS (SMES)**

DESCRIPTION	MGA2020 ZONE 55 EASTING	MGA2020 ZONE 55 NORTHING	AHD LEVEL
PM96	267096.245	5767426.173	31.704
PM195	266922.784	5766462.063	38.776

**WARNING**

**BEWARE OF ABOVE GROUND SERVICES**  
ANY EXCAVATION IN THE VICINITY OF POWER POLES TO BE IN ACCORDANCE WITH THE ELECTRICAL SAFETY (NETWORK ASSETS) REGULATIONS 1999 - RULE 36 (d). NO GO ZONE RULES MAY ALSO APPLY

**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 -**  
FINISHED SURFACE LEVELS MATCH NEIGHBORING SUBDIVISIONS DESIGN LEVELS TO THE NORTH, AS SUCH, NO BATTERING IS REQUIRED.

ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	DESIGNED	DATE
01	CONSTRUCTION	A.S.	S.H.	22/08/2024	AS CONSTRUCTED	J.P.	D.B.	05/08/25		A. SHIELDS	AUGUST 2024
										CHECKED:	SCALE: 1:500
										I. REGUSCI	SHEET SIZE: A1
										APPROVED:	SURVEY: STANTEC GEELONG
										S. HUNDT	POS NO: PS920586K VERSION: 02
										PE0007971	PERMIT NO: PP-1246-2018
										SIGNED:	WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION



ABN 17 007 820 322  
Level 1, Myers Street (PO Box 1137) Geelong, VIC Australia 3220  
Phone +61 3 5202 4600 Fax +61 3 5202 4691  
Web: www.stantec.com

CLIENT:  
G&A DRAPER SUPERANNUATION FUND PTY LTD  
P.O BOX 287  
BELMONT, VIC, 3216

PROJECT:  
STAGE 7  
YARINGA ARMSTRONG CREEK  
MOUNT DUNEED, VIC, 3217

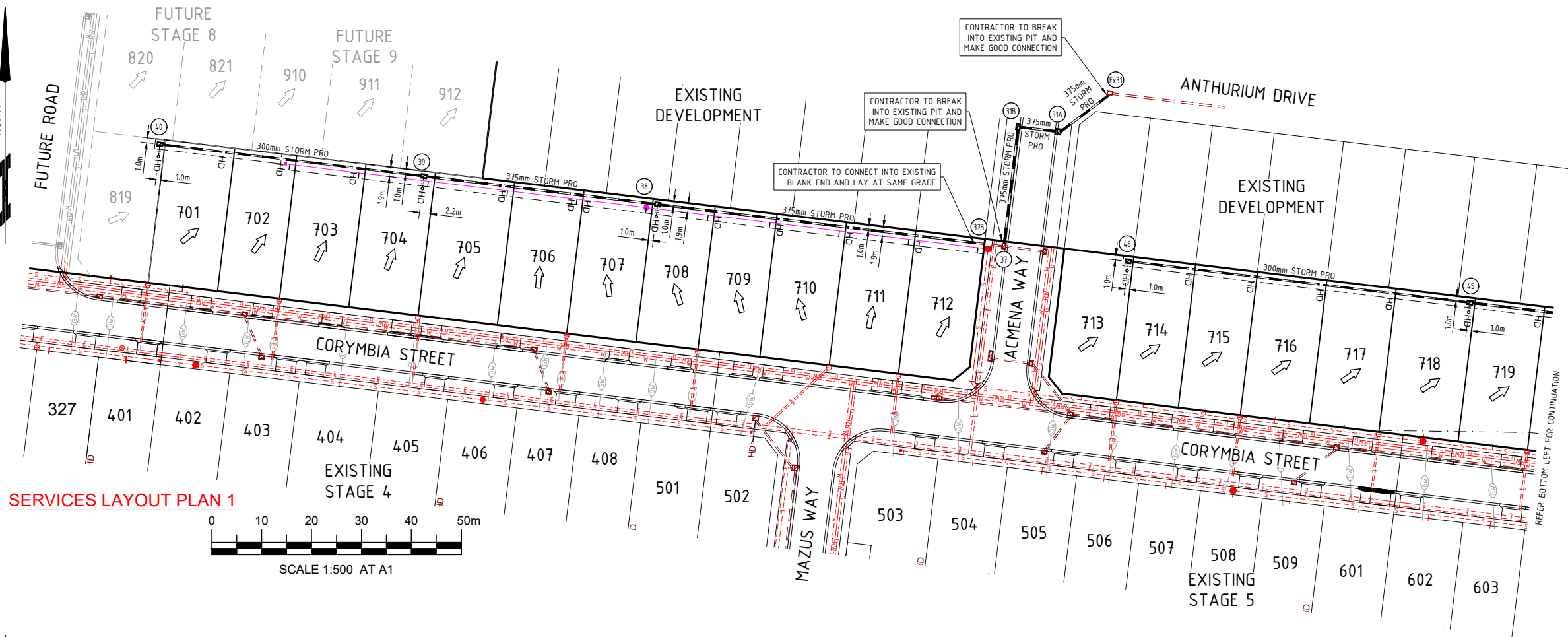
CITY OF GREATER GEELONG

**CIVIL DRAWING**

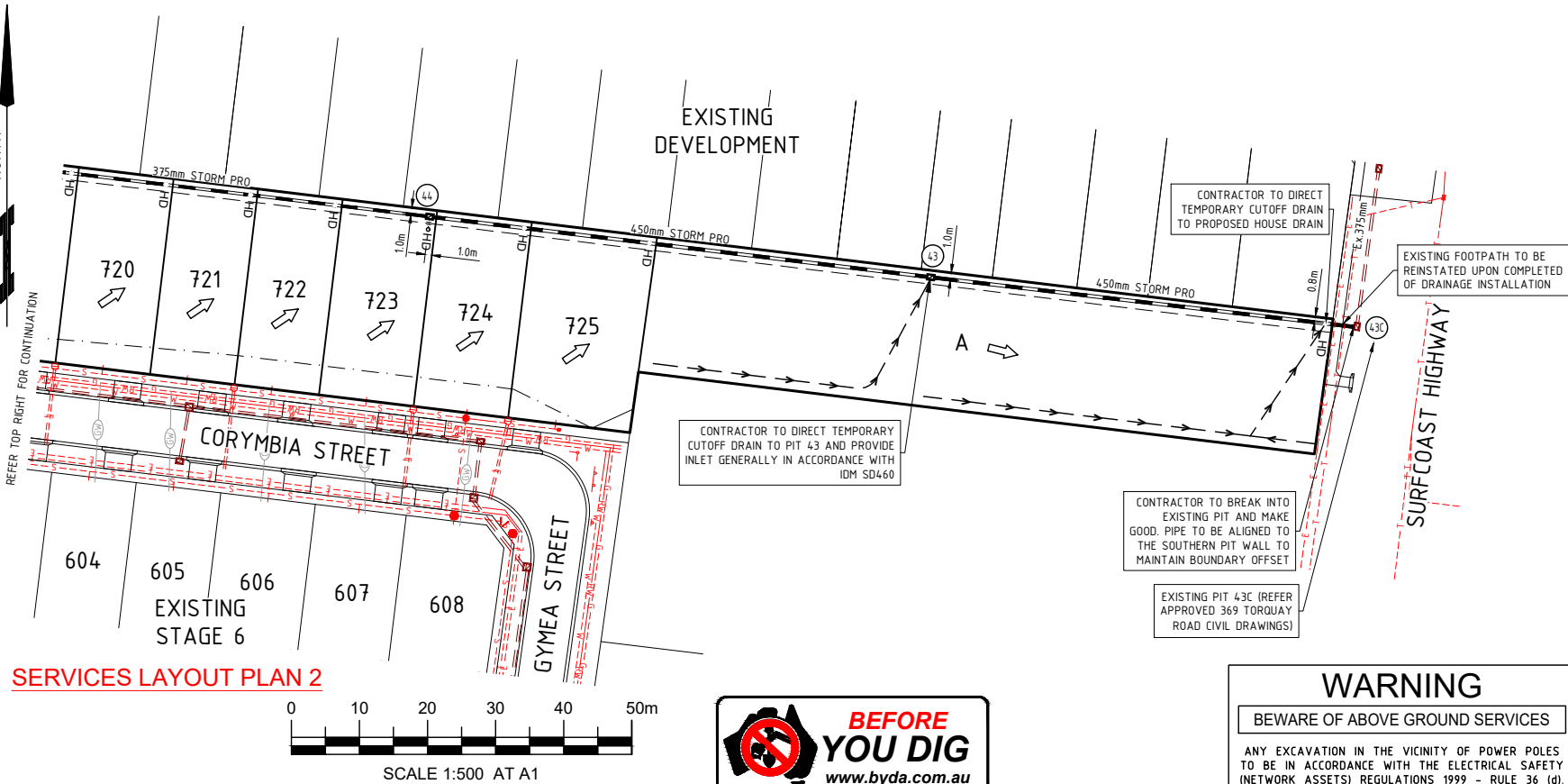
DRAWING TITLE:  
**LOT LAYOUT PLAN**

Stanec Ref. No.: 18518-207 SHEET: 2 OF 5 REV: AC





LEGEND	
EXISTING	
	TITLE
	EASEMENT
	KERB
	LAYBACK & DRIVEWAY
	ELECTRICAL CABLE & PIT
	GAS
	TELECOMMUNICATIONS
	SEWER
	WATER
	STORMWATER DRAINAGE PIPE / PIT
	HOUSE DRAIN
	RECYCLED WATER
	GAS/WATER CONDUIT
PROPOSED	
	TITLE BOUNDARY
	EASEMENT
	STORMWATER DRAINAGE PIPE / PIT
	DRAINAGE HOUSE CONNECTION
	SEWER
	DRAINAGE PIT NUMBER
	LOT FALL ARROW
FUTURE	
	TITLE
	KERB
	GAS
	WATER
	RECYCLED WATER



## AS-CONSTRUCTED

CONTRACTOR'S SIGNATURE: \_\_\_\_\_ CONSULTANT'S SIGNATURE:

DATE: \_\_\_\_\_ DATE: 05/08/2025

EXISTING SERVICE LOCATIONS						
	WATER	R/WATER	GAS	SEWER	COMMS	ELEC
CORYMBIA STREET	3.1 N	2.55 N	2.1 N	0.8 N 0.8 S	1.8 S	2.5 S
GYMEA STREET	3.1 S	2.55 S	2.1 S	0.8 N 0.8 S	1.8 N	2.5 N
MAZUS WAY	3.1 E	2.55 E	2.1 E	-	1.75 W	2.4 W
ACMENA WAY	3.1 E	2.55 E	2.1 E	0.8 N 0.8 S	1.9 W	2.4 W

NOTE  
FUTURE HOUSE CONNECTION LOT 819  
CONSTRUCTED AT PART OF THESE WORKS

## WARNING

BEWARE OF ABOVE GROUND SERVICES

ANY EXCAVATION IN THE VICINITY OF POWER POLES  
TO BE IN ACCORDANCE WITH THE ELECTRICAL SAFETY  
(NETWORK ASSETS) REGULATIONS 1999 - RULE 36 (d).  
NO GO ZONE RULES MAY ALSO APPLY

## 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.

ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	DESIGNED	DATE
01	CONSTRUCTION	A.S.	S.H.	22/08/2024	A	ADDITIONAL DRAINAGE NORTH OF DEVELOPMENT	J.P.	S.H.	10/02/25	A. SHIELS	AUGUST 2024
					B	DRAINAGE AMENDMENTS	J.P.	S.H.	06/03/25	A. SHIELS	SCALE: 1:500
					AC	AS CONSTRUCTED	J.P.	D.B.	05/08/25	I. REGUSCI	SHEET SIZE: A1
										S. HUNDT	SURVEY: STANTEC GEELONG
										PE0007971	POS NO: PS920586K VERSION: D2
										SIGNED:	PERMIT NO: PP-1246-2018
											WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION



CLIENT:  
G&A DRAPER SUPERANNUATION FUND PTY LTD  
P.O BOX 287  
BELMONT, VIC, 3216

PROJECT:  
STAGE 7  
YARINGA ARMSTRONG CREEK  
MOUNT DUNEED, VIC, 3217  
CITY OF GREATER GEELONG

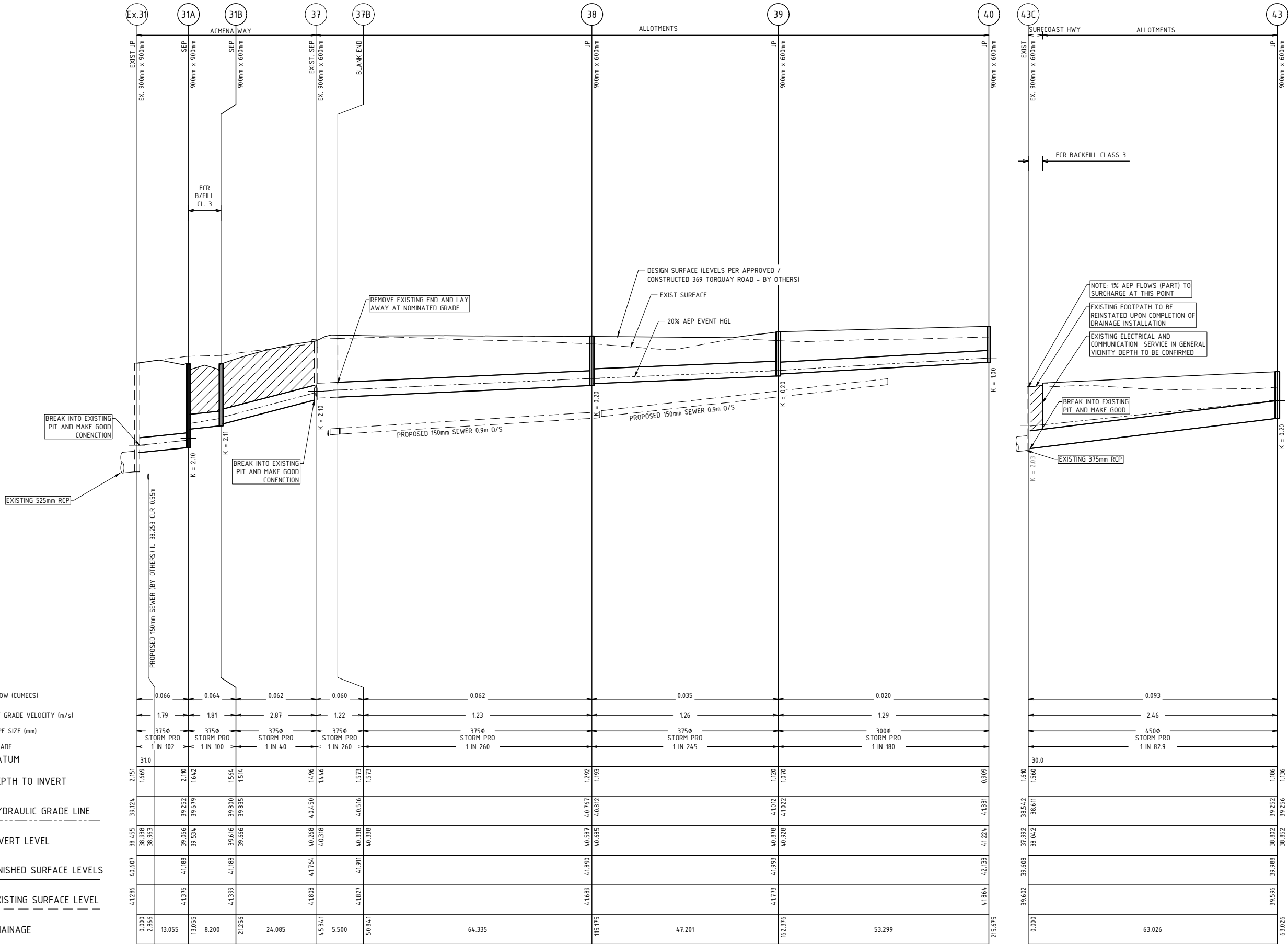
CIVIL DRAWING

DRAWING TITLE:  
SERVICE LAYOUT PLAN

Stanec REF. No.: 18518-207

SHEET: 3 OF 5 REV: B





FLOW (CUMECs)	0.066	0.064	0.062	0.060	0.062	0.035	0.020	0.093
AT GRADE VELOCITY (m/s)	1.79	1.81	2.87	1.22	1.23	1.26	1.29	2.46
PIPE SIZE (mm)	375Ø STORM PRO 1 IN 102	375Ø STORM PRO 1 IN 100	375Ø STORM PRO 1 IN 40	375Ø STORM PRO 1 IN 260	375Ø STORM PRO 1 IN 260	375Ø STORM PRO 1 IN 245	300Ø STORM PRO 1 IN 180	450Ø STORM PRO 1 IN 82.9
GRADE DATUM	31.0							30.0
DEPTH TO INVERT	2.151	2.110						
HYDRAULIC GRADE LINE	39.124	39.252	39.679	39.800	40.450	41.072	41.224	39.252
INVERT LEVEL	38.938	39.066	39.534	39.616	40.268	40.878	40.928	38.802
FINISHED SURFACE LEVELS	40.607	41.188		41.188	41.764	41.993	42.133	39.988
EXISTING SURFACE LEVEL	41.286	41.376	41.399	41.808	41.827	41.773	41.864	39.596
CHAINAGE	0.000	13.055	8.200	21.256	24.085	45.341	5.500	50.841

AS-CONSTRUCTED

CONTRACTOR'S SIGNATURE: \_\_\_\_\_ DATE: 05/08/2025

ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	DESIGNED	DATE
01	CONSTRUCTION	A.S.	S.H.	22/08/2024	A	ADDITIONAL DRAINAGE NORTH OF DEVELOPMENT	J.P.	S.H.	10/02/25	A. SHIELS	AUGUST 2024
					B	DRAINAGE AMENDMENTS	J.P.	S.H.	06/03/25	A. SHIELS	
					AC	AS CONSTRUCTED	J.P.	D.B.	05/08/25	I. REGUSCI	
										S. HUNDT	
										PE VIC No: PE0007971	
										SIGNED:	
										PERMIT NO: PP-1246-2018	
										WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION	

ABN 17 007 820 322  
Level 1, Myers Street (PO Box 1137) Geelong, VIC Australia 3220  
Phone +61 3 5202 4600 Fax +61 3 5202 4691  
Web: www.stantec.com

CLIENT: G&A DRAPER SUPERANNUATION FUND PTY LTD  
P.O BOX 287  
BELMONT, VIC, 3216

THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (R) SYSTEMS AND REMAINS THE PROPERTY OF Stantec.  
IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.

PROJECT: STAGE 7  
YARINGA ARMSTRONG CREEK  
MOUNT DUNEED, VIC, 3217

CITY OF GREATER GEELONG

CIVIL DRAWING

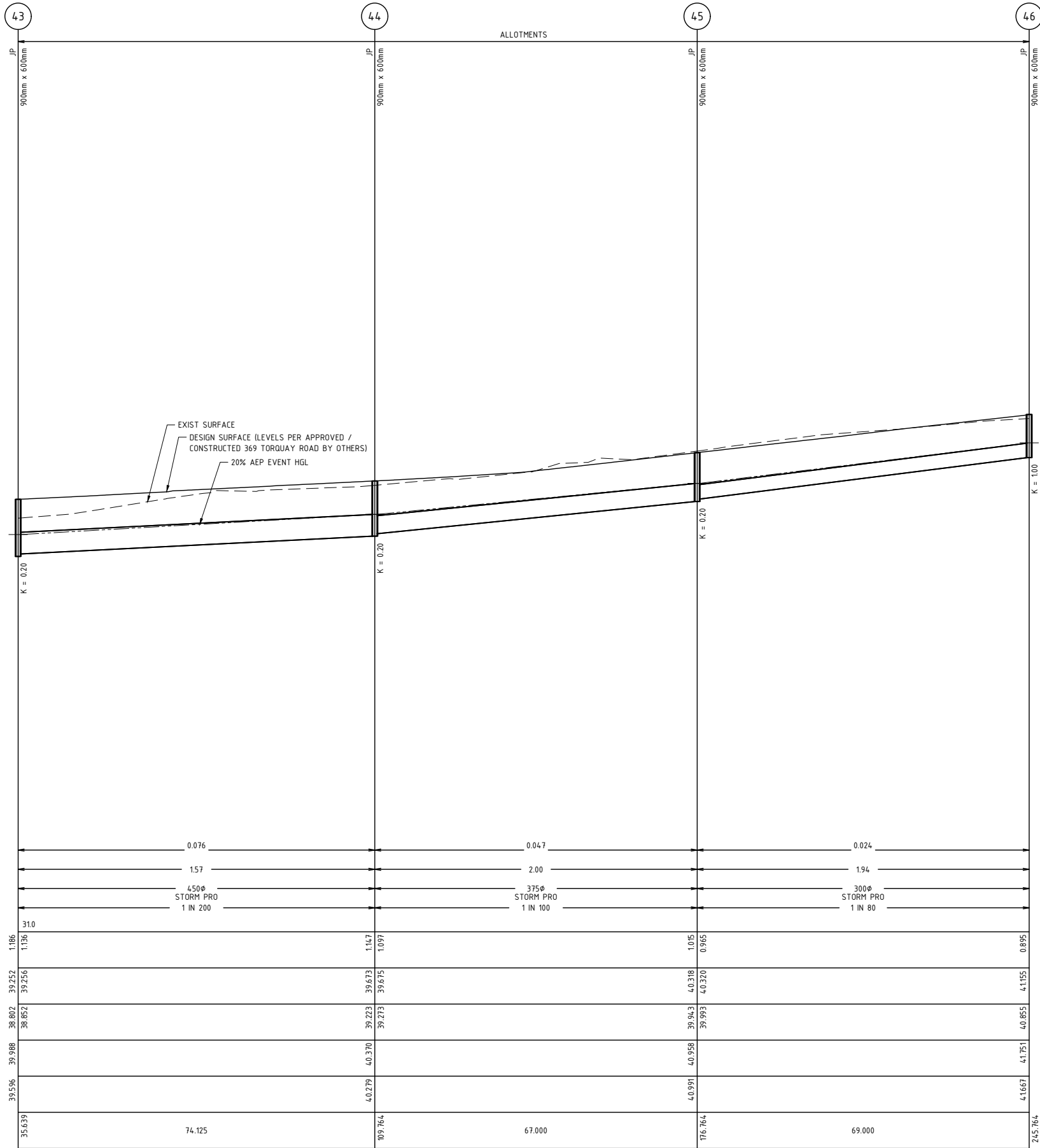
DRAWING TITLE: DRAINAGE LONGITUDINAL SECTIONS

Stanec Ref. No.: 18518-207

SHEET: 4 OF 5

REV: AC

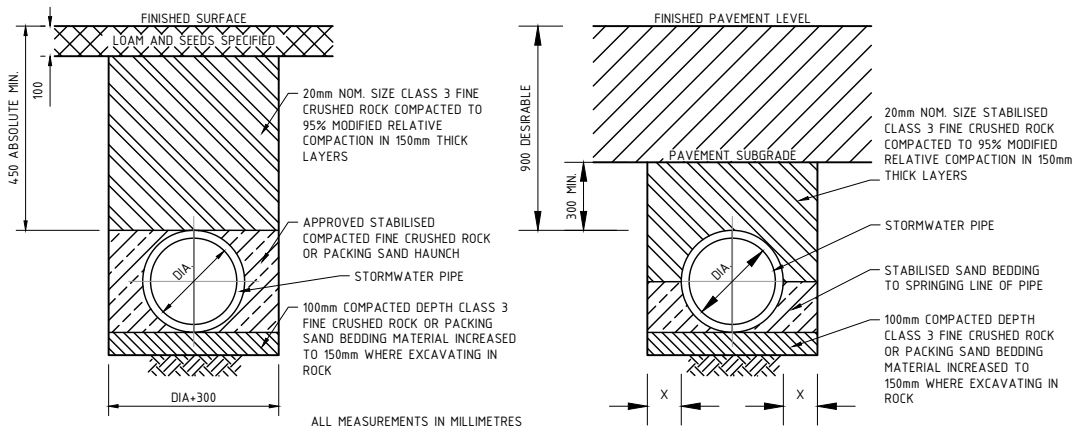
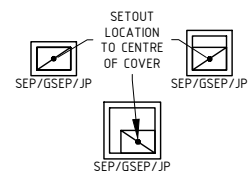




PIT SCHEDULE (COORDINATE SYSTEM: MGA 55 2020)

PIT NAME	TYPE	EASTING	NORTHING	INTERNAL LEN	WD	FROM PIT	INLET DIA	INLET INV	OUTLET DIA	OUTLET INV	PIT RL	PIT DEPTH	COVER CLASS	REMARKS
Ex 31	EXIST	266696.045	5766939.438	900	900	31A	375	38.938	525	38.455	40.607	2.151	---	EXISTING PIT
31A	SEP	266685.882	5766931.600	900	900	31B	375	39.534	375	39.066	41.188	2.122	CLASS D	Refer IDM SD 430, PIT TO BE HAUNCHED UNDER KERB
31B	SEP	266677.741	5766932.584	900	600	37	375	39.666	375	39.616	41.188	1.572	CLASS D	Refer IDM SD 430
37	EXIST	266674.810	5766908.678	900	600	37B	375	40.318	375	40.268	41.764	1.496	---	EXISTING PIT
37B	EXIST	266668.966	5766909.384	---	---	38	375	40.347	375	40.347	41.911	1.571	---	Connect to exist blank end
38	JP	266605.480	5766917.053	900	600	39	375	40.681	375	40.587	41.890	1.303	CLASS C	Refer IDM SD 425
39	JP	266558.620	5766922.714	900	600	40	300	40.928	375	40.878	41.993	1.115	CLASS C	Refer IDM SD 425
40	JP	266505.705	5766929.108	900	600	---	---	---	300	41.224	42.133	0.909	CLASS C	Refer IDM SD 425
43C	EXIST	266971.012	5766873.229	---	---	43	450	38.042	375	37.992	39.608	1.616	---	Break into existing pit and make good
43	JP	266908.402	5766880.456	900	600	44	450	38.852	450	38.802	39.988	1.186	CLASS C	Refer IDM SD 425, Contractor to provide notch in side of pit to allow catch drain flows to enter.
44	JP	266834.812	5766889.347	900	600	45	375	39.273	450	39.223	40.370	1.147	CLASS C	Refer IDM SD 425
45	JP	266768.296	5766897.383	900	600	46	300	39.993	375	39.943	40.958	1.015	CLASS C	Refer IDM SD 425
46	JP	266699.794	5766905.659	900	600	---	---	---	300	40.855	41.751	0.895	CLASS C	Refer IDM SD 425

- NOTE:
- ALL SETOUT POINTS QUOTED TO CENTRE OF 900x600 PIT  
e.g.:
  - 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.
  - SEP PITS NOTED WITH 'x' TO BE HAUNCHED TO A 900x600 (INTERNAL) OPENING WITH APPROPRIATE COVER



BEHIND KERB  
NTS


UNDER ROAD PAVEMENT  
BACKFILL DETAIL  
NTS

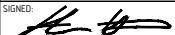
NOTES:

- TRENCHING DETAILS INDICATIVE ONLY AND SHOULD BE INSTALLED TO MANUFACTURERS SPECIFICATIONS OR AS/NZS 3725-2007 FOR REINFORCED CONCRETE PIPES AND AS/NZS 2566.2-2002 FOR RIBBED POLYPROPYLENE PIPES.
- 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.
- 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.

AS-CONSTRUCTED

CONTRACTOR'S SIGNATURE: \_\_\_\_\_  
DATE: \_\_\_\_\_

CONSULTANT'S SIGNATURE:   
DATE: 05/08/2025

ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	ISSUE	ISSUED FOR	DRAWN	APPROVED	DATE	DESIGNED	DATE
01	CONSTRUCTION	A.S.	S.H.	22/08/2024	A.B.	ADDITIONAL DRAINAGE NORTH OF DEVELOPMENT DRAINAGE AMENDMENTS	JP	S.H.	10/02/25	A. SHIELS	AUGUST 2024
					AC	AS CONSTRUCTED	JP	D.B.	05/08/25	I. REGUSCI	REFER SHEET
										S. HUNDT	SHEET SIZE: A1
										PE VIC No: PE0007971	SURVEY: STANTEC GEELONG
										SIGNED: 	VERSION: D2
										PERMIT NO: PP-1246-2018	POS NO: PS920586K
										WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION	WORKS SHALL NOT COMMENCE UNTIL PLANS ARE SIGNED AND APPROVED FOR CONSTRUCTION



ABN 17 007 820 322  
Level 1, Myers Street (PO Box 1137) Geelong, VIC Australia 3220  
Phone +61 3 5202 4600 Fax +61 3 5202 4691  
Web: www.stantec.com

CLIENT:  
G&A DRAPER SUPERANNUATION FUND PTY LTD  
P.O BOX 287  
BELMONT, VIC, 3216

THIS ELECTRONIC DRAWING IS PRODUCED BY AUTOCAD (R) SYSTEMS AND REMAINS THE PROPERTY OF Stantec.  
IT MAY NOT BE REPRODUCED IN ANY FORMAT WITHOUT WRITTEN PERMISSION.

PROJECT:  
STAGE 7  
YARINGA ARMSTRONG CREEK  
MOUNT DUNEED, VIC, 3217  
CITY OF GREATER GEELONG

CIVIL DRAWING

DRAWING TITLE:  
DRAINAGE LONGITUDINAL SECTIONS  
& PIT SCHEDULE

Stantec REF. No: 18518-207

SHEET: 5 OF 5 REV: AC