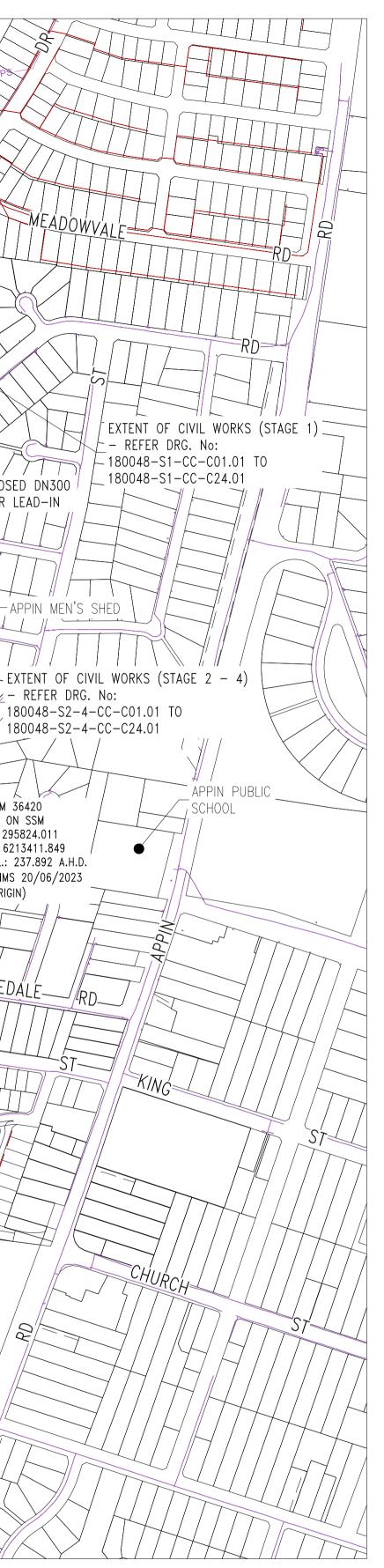


LOCALITY PLAN & B.M. DIAGRAM (NOT TO SCALE)

03 AMENDED AS PER SW COMMENTS	M.W 29/11/23				(NOT TO	SCALE)			
02 ISSUE FOR SYDNEY WATER ENDORSEMENT	M.W. 14/07/23								
01 ISSUE FOR INFORMATION	M.W. 22/06/23								
No. AMENDMENT DESCRIPTION	BY DATE								
PLAN TO BE READ IN CONJUNCTION		UT	LITIES			WORK AS CONSTRUCTED CERTIFICATION	PIPE SCHEDULE		NO AME
WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION	TYPE EXIST STORMWATER: SWD	- SWD 06/06/23 SURVEY	TYPEPROP STORMWATER: SWD SWD	DATE 22/12/21 [DEVELOPER	SIZE DN TYPE CLASS LENGTH PIPE JOINING METHOD / NOTES 300 G.R.P. SN10k 972.54 REFER BORE	AUSTRALIAN HEIGHT DATUM	WITHO IS NOT
PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT :-	EXIST. ELECTRICAL: E ———— EXIST. TELECOM: T —————	— E 06/06/23 SURVEY — T 06/06/23 SURVEY				WATER SERVICE CO-ORDINATOR CONSTRUCTOR	DETAIL (SHEET 6) 300 G.R.P. SN50k 16.15	SCALES	SYDNE
DIAL BEFORE YOU DIGPh. 1100ELECTRICITYENDEAVOURENERGYPh. 131003	EXIST. WATER: W	— w 06/06/23 HYDRA				COMPLETED W.A.C. PREPARED	450 G.R.P. SN50k 972.54 ENCASING PIPE	PLAN 1:500 SECTION $\left\{ \begin{array}{c} HOR. & 1:500 \\ VERT. & 1:125 \end{array} \right\}$	U.B. D
TELECOMMUNICATIONS TELSTRA Ph. 1800 114 918	EXIST. GAS: G	— g 06/06/23 B.Y.D.				DESIGNER	NO BOUNDARY TRAPS	CROSS SECTIONS	
SYDNEY WATER Ph. 132 092 GIVING AT LEAST 48 HOURS NOTICE.						I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.	DESIGN-HEAD M REQUIRED.	LENGTHS, DEPTHS & LEVELS ARE IN METRES.	SHEE
						FILE LOCATION: \23-00	00031\06_Model\AutoCAD\WSC\WW <i>DESIGNED:</i> F.R.	DRAFTED: M.W. VERIFIED: S.G	•



		EGIS CONSULTING PTY LTD DATE:09/01/2024	
		PLAN FOR CONSTRUCTION	
	NOTES:		21. THE WAS
1.	WATER SERVICING COORDINATOR & DESIGNER EGIS CONSULTING PTY LTD P.O. BOX 8300 NORWEST BC NSW 2153 Ph: (02) 8808 5000		REV Sue
	FOR: WALKER CORPORATION PTY LTD PO BOX 4073, SYDNEY NSW 2000 Ph: (02) 8273 9600		21.1.
2.	THE WORKS AND MATERIALS ARE TO BE IN ACCOP (WSA 02-2002-2.2 SYDNEY WATER EDITION VERS		21.2. 21.3.
3.	ALL STRUCTURES TO BE CONSTRUCTED TO PROPO	SED FINISHED SURFACE LEVELS. AS THE P.F.S.L.'S NGE, THE CONSTRUCTOR IS TO LIAISE WITH THE SITE	21.4. 22. MAF
4.	PIPES TO BE CONCRETE ENCASED SHOWN ACCORI	DINGLY:	23. Ex.
5.	AREAS HATCHED THUS NOT DRAINED:]	(RE APF
6.	DRAINAGE LIMITS ARE TO PROPOSED FINISHED SU	FACE LEVELS.	CON
7.	ALL LEVELS ELECTRONICALLY GENERATED. NO LE	VEL BOOK AVAILABLE.	24. DO OFF
8.	ALL EXISTING & PROPOSED SERVICES WILL BE NE APPROPRIATE PROCEDURES, PRECAUTIONS AND CA WORKING IN CLOSE PROXIMITY TO SERVICES DURI	E ONLY. CURRENT SERVICES SEARCH & SITE CHECK OF ECESSARY PRIOR TO THE COMMENCEMENT OF WORK & ARE NEED TO BE TAKEN BY THE CONSTRUCTOR WHEN NG CONSTRUCTION AND ANY DAMAGE TO EXISTING	25. UNI The 26. PRI
9.		TORS EXPENSE. STS REQUIRED TO SATISFY THE SEWERAGE CODE OF WATER TECHNICAL SPECIFICATION – CIVIL (VER 10.0	ANY SHO 27. COF
	PIPE EMBEDMENT ZONE: – NIL TRENCH TRENCH	H FILL ZONE – TRAFFICABLE: NIL H FILL ZONE – NON–TRAFFICABLE: 24 ONE: 464	PRC WIT COM
10.	PRECAUTIONS ARE NECESSARY IN THE VICINITY OF	- SUB-STATION & OTHER ELECTRICAL EARTHING.	
11.		RED MARKED UP WAC DRAWINGS SHOWING ACCURATE M STRUCTURES, ACCURATE DISTANCE OF PCP ALONG CTIONS.	
12.	LOCATION OF SEWER LINES TO BE MARKED BY A	REGISTERED LAND SURVEYOR PRIOR TO CONSTRUCTION.	
13.	INVERT LEVEL OF EXISTING SEWER AT CH 0.0 (L. COMMENCEMENT OF CONSTRUCTION. WSC TO BE		
14.	EMBEDMENT COMPACTION TESTING SUBJECT TO CL	AUSE 22.3.3.1 OF SEWERAGE CODE OF AUSTRALIA.	
15.		WITH SYDNEY WATER'S DEEMED TO COMPLY DRAWING URALLY CERTIFIED MH DETAIL (REFER SHEET 7) UNLESS	
16.	100kPa FOR 0-6m DEPTH TO INVERT AND 180kF	NDATION MATERIAL FOR MAINTENANCE HOLES SHALL BE Pa FOR 6–10m DEPTH TO INVERT (REFER DTC–2000). JITABLY EXPERIENCED GEOTECHNICAL ENGINEER PRIOR TO BE PROVIDED TO WSC.	
17.	ALL MAINTENANCE STRUCTURES TO BE FITTED WIT LIDS. ACCESS COVERS SHALL COMPLY WITH A.S. 3	H CLASS 'D' BOLT DOWN WATER TIGHT TRAFFICABLE 3996:2019.	
18.	STEWART, DATED 20/06/23. MEASURES TO PROTE REPORT. THE CONSTRUCTOR SHALL COMPLY WITH	TORS (REF) REPORT HAS BEEN PREPARED BY MOLINO ECT THE ENVIRONMENT ARE DETAILED IN THE REF ALL REQUIREMENTS IN THE REF AND KEEP A COPY ON NTAL MANAGEMENT PLAN (CEMP) IS REQUIRED PRIOR TO	
19.	DILAPIDATION ASSESSMENT REQUIRED ALONG ENTIF	RE EXTENT OF WORKS.	
20.		SEWER & OTHER UNDERGROUND SERVICES SHALL A – WSA 02–2002–2.2 SYDNEY WATER EDITION VERSION	
	IREE NO. IN ACCOF	TREE(S) SHOWN ON SHEETS 2 & 3 RDANCE WITH S.P.Z. & T.P.Z. RADII NDIX H OF R.E.F.	

DEVELOPER CONTRACT PLAN APPIN MINE SUBSIDENCE DISTRICT: **REFER NOTE 21**

WORKS AS DETAILED HEREON HAVE BEEN DESIGNED IN ACCORDANCE WITH 'PROPOSED POTABLE AND STEWATER ALIGNMENTS SPORTSGROUND PARADE AND CHURCH STREET, APPIN' BY DOUGLAS PARTNERS, V 0 DATED 04/07/2023. THE SUBSIDENCE PARAMETERS FOR THE DEVELOPMENT PROVIDED BY IBSIDENCE ADVISORY ON 25/07/2023 (REF. TBA23-01951) ARE:

-MAX. HOR. STRAINS: (+/-) 1mm/m –MAX. TILT: 1mm/m

-MAX. RADIUS OF CURVATURE 12 Km

PROJECT SPECIFIC MINE SUBSIDENCE SPECIFICATION:

PIPE: (SMOOTH EXTERIOR WALL) G.R.P. MAX. 3m LENGTHS JOINTING: REFER BORE DETAIL ON SHEET 6

DEPTH OF ENGAGEMENT, WITHIN THE PIPE SOCKET, BETWEEN RUBBER SEAL AND SPIGOT END TO ACCOMMODATE ADDITIONAL MOVEMENT ASSOCIATED WITH MINE SUBSIDENCE PARAMETERS. PIPE SUPPLIER TO CONFIRM SOCKET DEPTH & WSC TO BE ADVISED. HOLD POINT TO BE ADDED TO I.T.P. PIPE GRADES HAVE BEEN INCREASED BY 0.1% ABOVE MINIMUM REQUIRED GRADE TO ACCOMMODATE TILT REQUIREMENTS OF 4mm/m.

PPING DATUM: GDA2020, MGA ZONE 56.

. DN300 MAIN TO BE CUT BACK, AND APPROPRIATE ROCKER PIPE TO BE INSTALLED AT MH INTERFACE REFER SHEET 8). CARE TO BE TAKEN WHEN CUTTING Ex. LINER, AND LINER TO BE RE-AFFIXED PROPRIATELY. CONSTRUCTOR TO CONFIRM TYPE AND CONDITION OF EX. LINER PRIOR TO ONSTRUCTION.

NOT SCALE FROM THE DRAWINGS. VERIFY ALL DIMENSIONS AND LEVELS FOR SETTING OUT AND F-SITE WORK BEFORE CONSTRUCTION AND FABRICATION BEGIN.

ILESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES TO AUSTRALIAN HEIGHT DATUM.

NOR TO THE COMMENCEMENT OF WORKS, THE CONTRACTOR IS TO IDENTIFY ALL EXISTING SERVICES. DAMAGE TO EXISTING SERVICES IS TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE. SERVICES HOWN ON 'EGIS' DRAWINGS ARE INDICATIVE ONLY.

PYRIGHT OF ALL DRAWINGS AND DOCUMENTS PROVIDED BY EGIS FOR THIS PROJECT REMAIN ITS ROPERTY. THE PRINCIPAL ALONE SHALL HAVE A LICENCE TO USE THESE DOCUMENTS IN CONNECTION ITH THE PROJECT BUT SHALL NOT USE OR MAKE COPIES OF SUCH DOCUMENTS OTHER THAN IN NNECTION WITH THIS PROJECT.

CONTACT BEFORE YOU DIG AUSTRALIA

CONSTRUCTION NOTES:

THE PROPOSED WORKS AS DETAILED HERE ON MUST BE CONSTRUCTED IN ACCORDANCE WITH:

1. THE SEWERAGE CODE OF AUSTRALIA - WSA 02-2002-2.2 SYDNEY WATER EDITION VERSION 4-2017; 2. SYDNEY WATER'S DEEMED TO COMPLY DWG'S DTC-2000 (Iss. C, 18/03/15), DTC-2200 (Iss. F, 18/03/15), DTC-2220 (Iss. D, 18/03/15), DTC-2221 (Iss. B, 01/03/13), DTC-2222 (Iss. C, 18/03/15) & DTC-2223 (Iss. B, 18/03/15). 3. EGIS STRUCTURALLY CERTIFIED MH DETAIL (REFER SHEET 7)

4. SITE SPECIFIC GEOTECHNICAL REPORT, REVIÈW OF ENVIRONMENTAL FACTORS (REF) & ASSOCIATED C.E.M.P. 5. SYDNEY WATER TECHNICAL SPECIFICATION - CIVIL (VER 10.0 01/08/22)

THE CONSTRUCTOR MUST HAVE A COPY OF THESE DOCUMENTS ON SITE AT ALL TIMES.

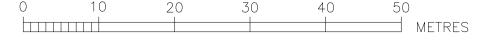
LONGSECTION BOREHOLE LEGEND REFER NOTE 21 - FILL, TOPSOIL/SILTY CLAY/SANDY CLAY/SANDY GRAVELY SAND – SANDY CLAY - SANDSTONE – TOPSOIL/SANDY CLAY ____ – SHALE – SILTY CLAY

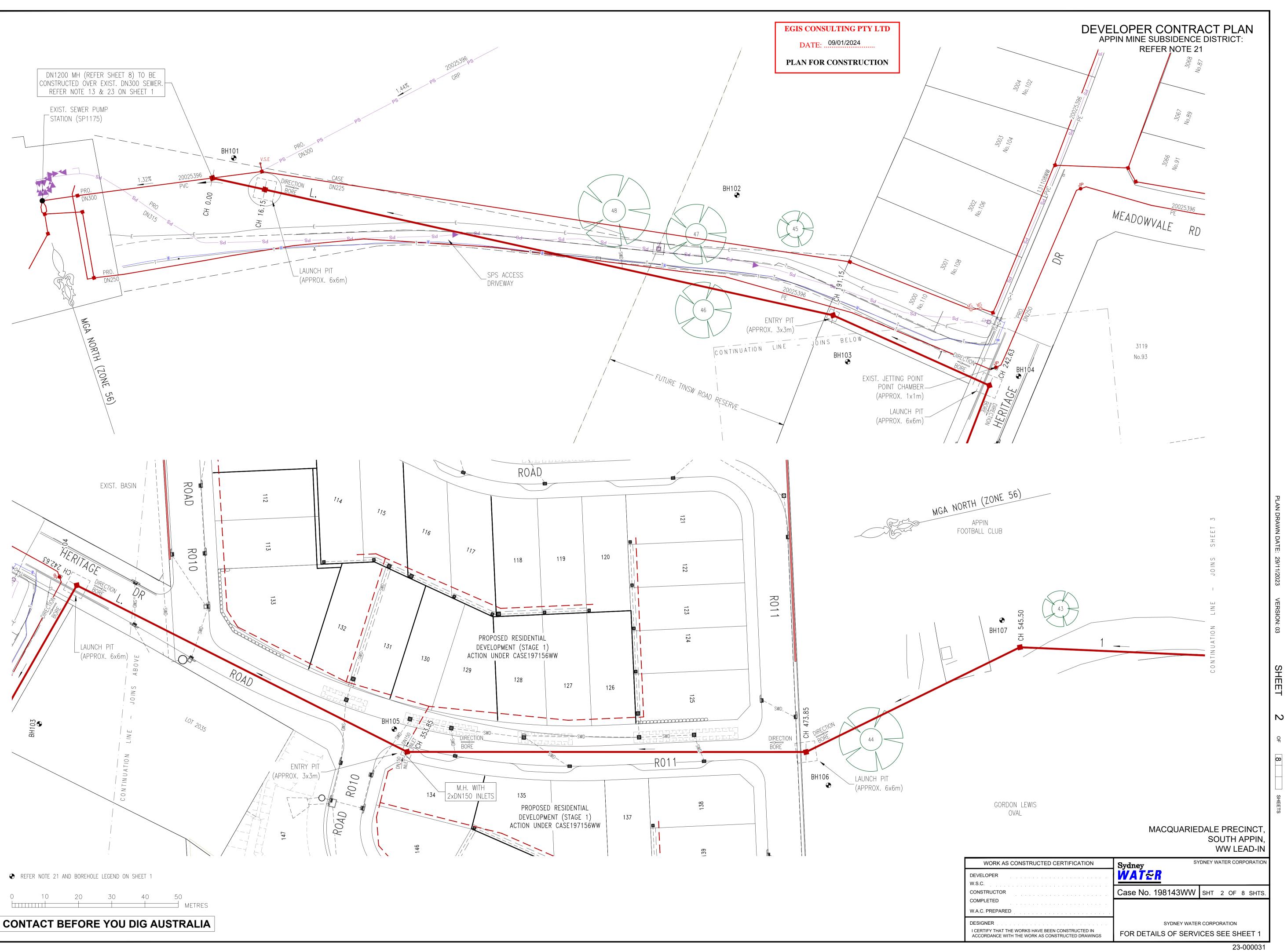
MACQUARIEDALE PRECINCT SOUTH APPIN WW LEAD-IN

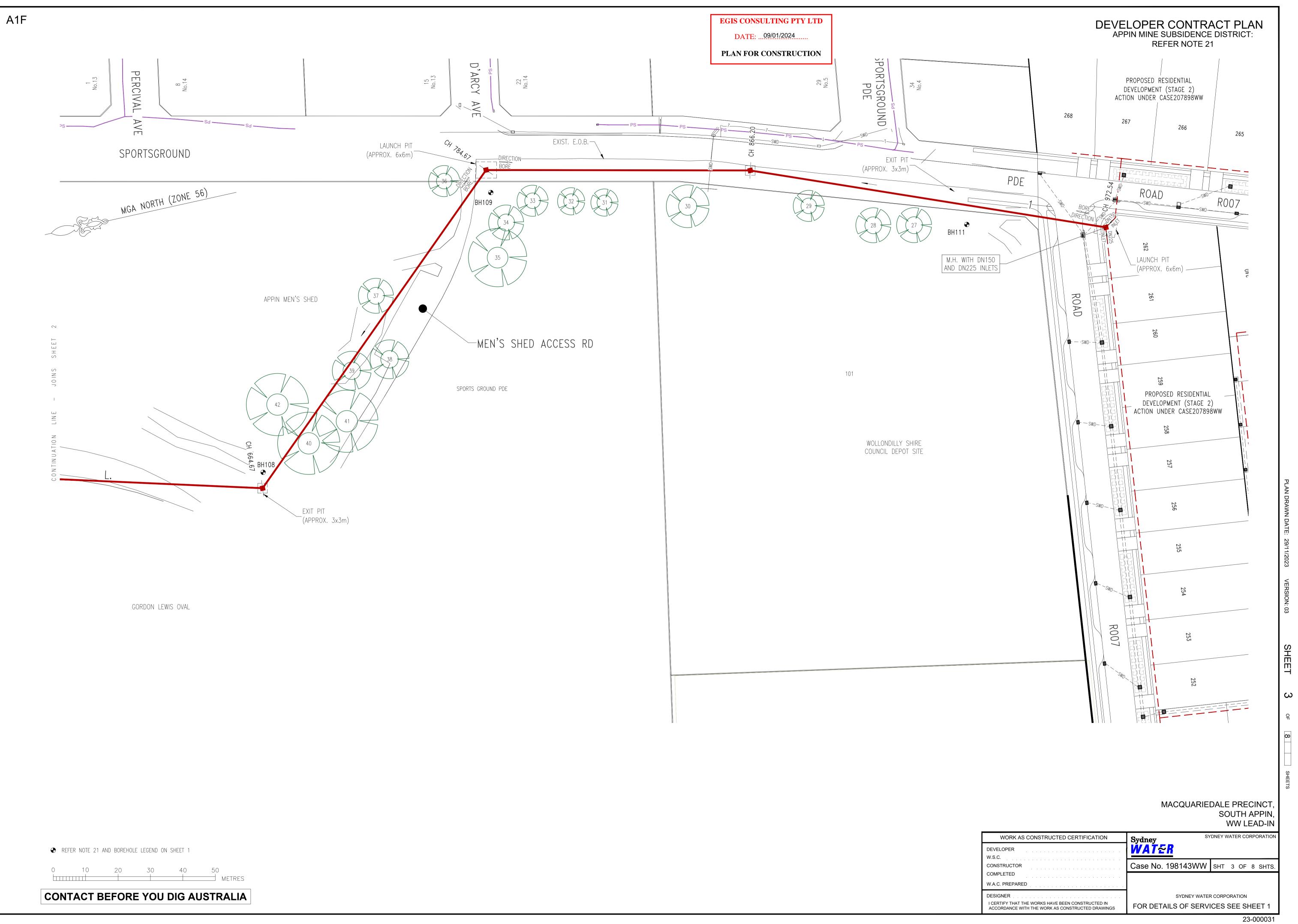
Sydney WATER SYDNEY WATER CORPORATION AMENDMENTS ARE TO BE MADE TO THIS PLAN THOUT REFERENCE TO SYDNEY WATER. THIS PLAN NOT NECESSARILY UP TO DATE OR CORRECT AND DNEY WATER ACCEPTS NO RESPONSIBILITY. Case No. 198143WW WOLLONDILLY SEWERAGE U.B. DIRECTORY MAP 373, G10 (41st Edition) DRAINS TO GLENFIELD STP SHEET 1. OF 8. BIE No. N/A VIA SP1175 23-000031 REVIEWED: S.G. APPROVED: S.G. ISSUED: 29/11/2023

SHE П **—**

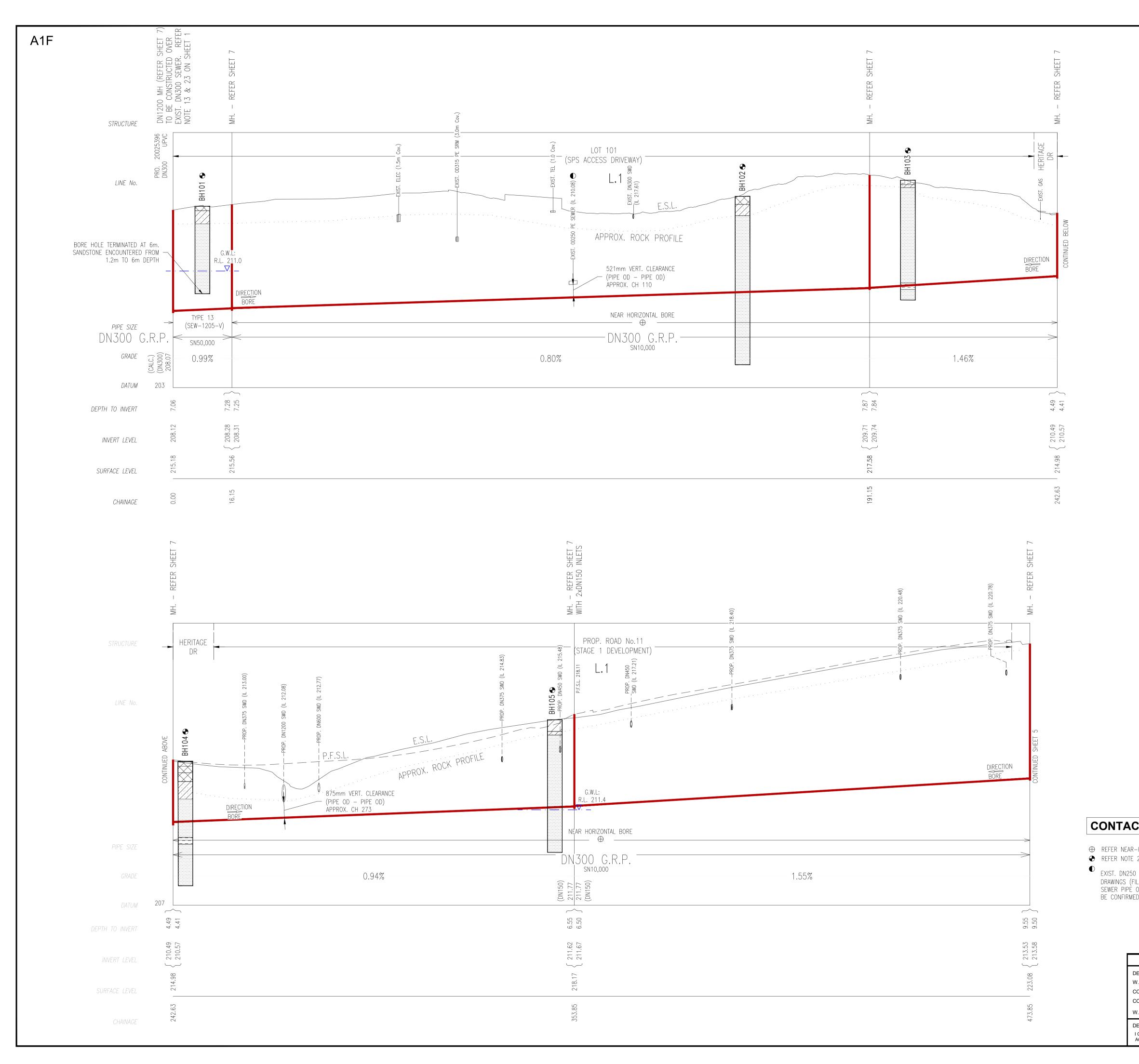








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DEVELOPER CONTRACT PLAN APPIN MINE SUBSIDENCE DISTRICT: REFER NOTE 21

PLAN FOR CONSTRUCTION

CONTACT BEFORE YOU DIG AUSTRALIA

 \oplus REFER NEAR-HORIZONTAL MICROTUNNEL BORE DETAILS ON SHEET 6 \oplus REFER NOTE 21 AND BOREHOLE LEGEND ON SHEET 1

● EXIST. DN250 (OD280) PE GRAVITY SEWER CONSTRUCTED VIA HDD. LEVELS HAVE BEEN ADOPTED FROM WAC DRAWINGS (FILE No. PSP-13-SN0015-C-008). CLEARANCE SHOWN ON LONG-SECTION IS BETWEEN EXIST. SEWER PIPE OD AND OD363 G.R.P. IT IS CRITICAL THAT THE LEVEL OF THE EXIST. DN250 PE GRAVITY SEWER BE CONFIRMED PRIOR TO CONSTRUCTION. REFER NOTE 8 ON SHEET 1

MACQUARIEDALE PRECINCT, SOUTH APPIN,

WW LEAD-IN SYDNEY WATER CORPORATION S

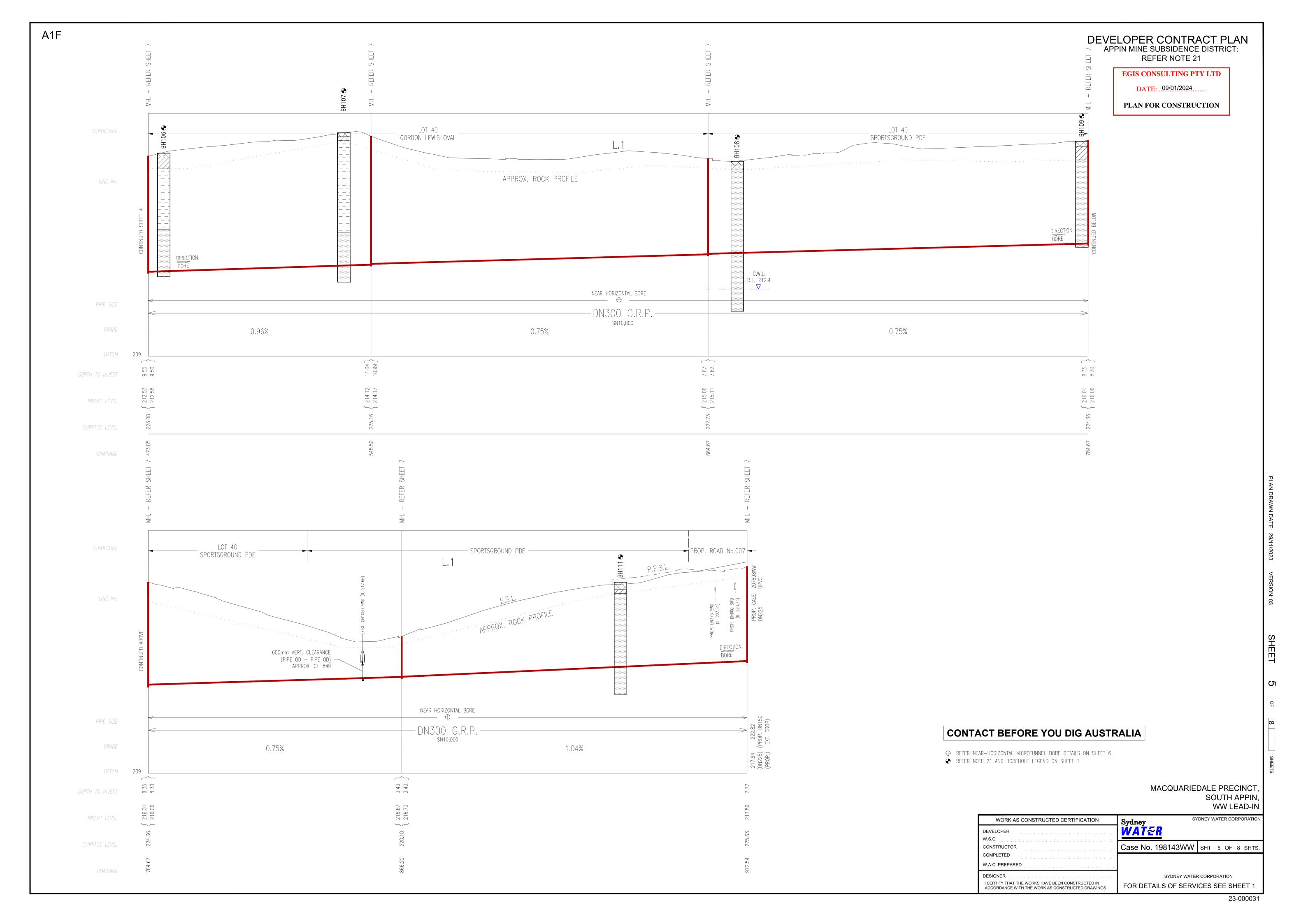
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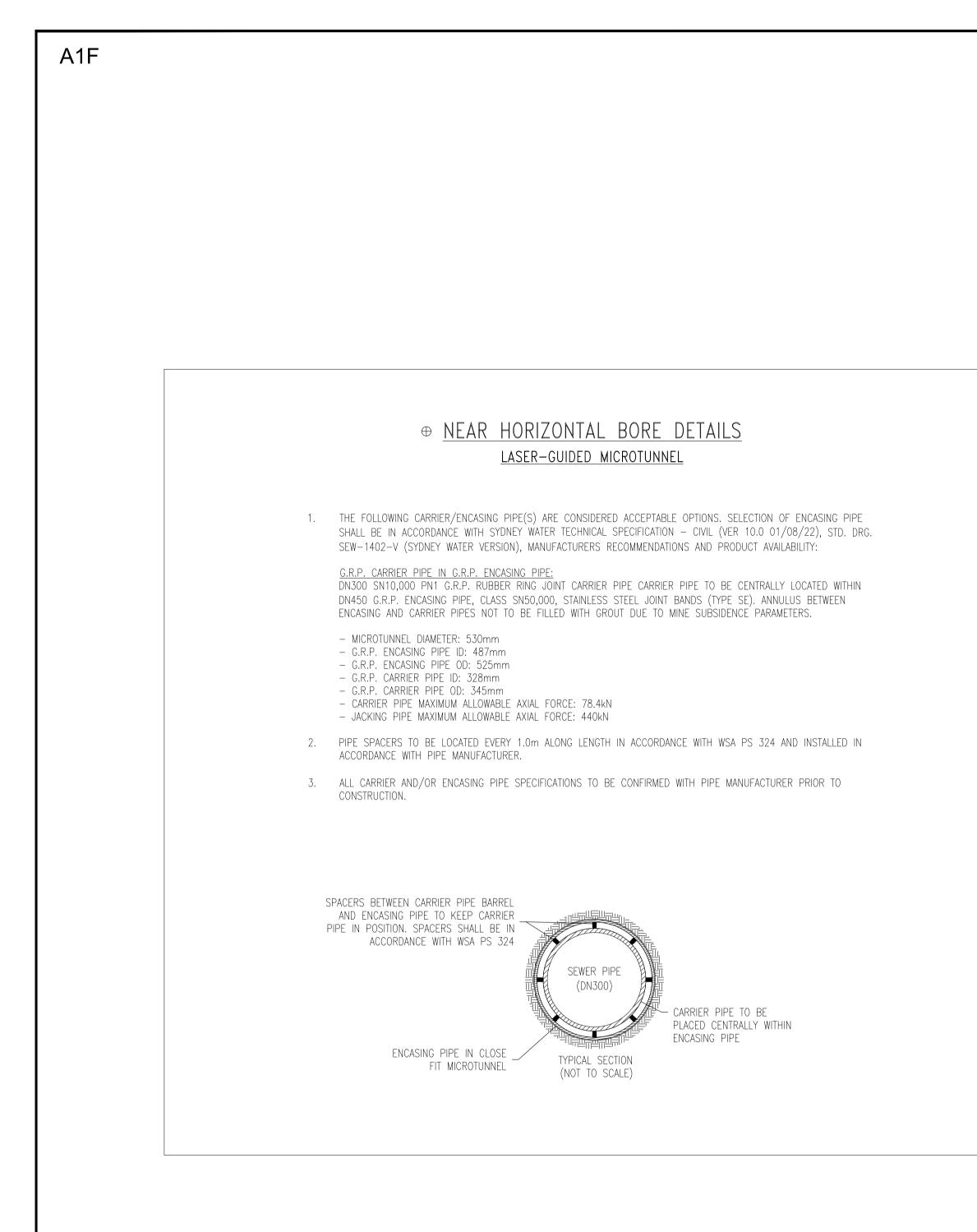
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WORK AS CONSTRUCTED CERTIFICATION	Sydney SY	DNEY WATER CORPORATION		
EVELOPER	<u>ŴĂŤ&R</u>			
ONSTRUCTOR	Case No. 198143WW	SHT 4 OF 8 SHTS.		
/.A.C. PREPARED				
ESIGNER	SYDNEY WATER	R CORPORATION		
CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	FOR DETAILS OF SERV	ICES SEE SHEET 1		

23-000031





	MAINTENANCE STRUCTURE SCHEDULE								
LINE NO.	CHAINAGE	EASTING	NORTHING	TYPE	DN RISER	COVER CLASS (REFER NOTE 17 ON SHEET 1)	MATERIAL (PVC, CAST IN-SITU, ETC)	DEFLECTION ANGLE (DEGREES)	COMMENT
1	0.00	295679.803	6214441.226	МН	1.2	D	CAST IN-SITU	20	MH (REFER SHEET 8) TO BE CONSTRUCTED OVER EXIST. DN300 SEWER. REFER NOTE 13 & 23 ON SHEET 1
1	16.15	295693.719	6214433.040	МН	1.2	D	CAST IN-SITU	0	MH (REFER SHEET 8)
1	191.15	295844.425	6214344.086	МН	1.2	D	CAST IN-SITU	12	MH (REFER SHEET 8)
1	242.63	295882.532	6214309.462	МН	1.2	D	CAST IN-SITU	87	MH (REFER SHEET 8)
1	353.85	295812.232	6214223.275	МН	1.2	D	CAST IN-SITU	DN300 IN-LINE: 27 WESTERN DN150 INLET: 68 EASTERN DN150 INLET: 87	MH (REFER SHEET 8) WITH 2xDN150 INLETS
1	473.85	295786.334	6214106.103	МН	1.2	D	CAST IN-SITU	26	MH TO DTC-2200
1	545.50	295803.248	6214036.480	МН	1.2	D	CAST-IN-SITU	29	MH (REFER SHEET 8)
1	664.67	295772.461	6213921.353	МН	1.2	D	CAST IN-SITU	57	MH (REFER SHEET 8)
1	784.67	295853.487	6213832.839	МН	1.2	D	CAST IN-SITU	55	MH (REFER SHEET 8)
1	866.20	295835.796	6213753.258	МН	1.2	D	CAST IN-SITU	9	MH (REFER SHEET 8)
1	972.54	295795.002	6213649.899	МН	1.2	D	CAST IN-SITU	DN225 INLET: 71° DN150 INLET: 58°	MH (REFER SHEET 8) WITH DN225 AND DN150 INLETS (DN150 EXTERNAL DROP TO DTC-2221)

DEVELOPER CONTRACT PLAN APPIN MINE SUBSIDENCE DISTRICT: **REFER NOTE 21**

EGIS CONSULTING PTY LTD

DATE: 09/01/2024

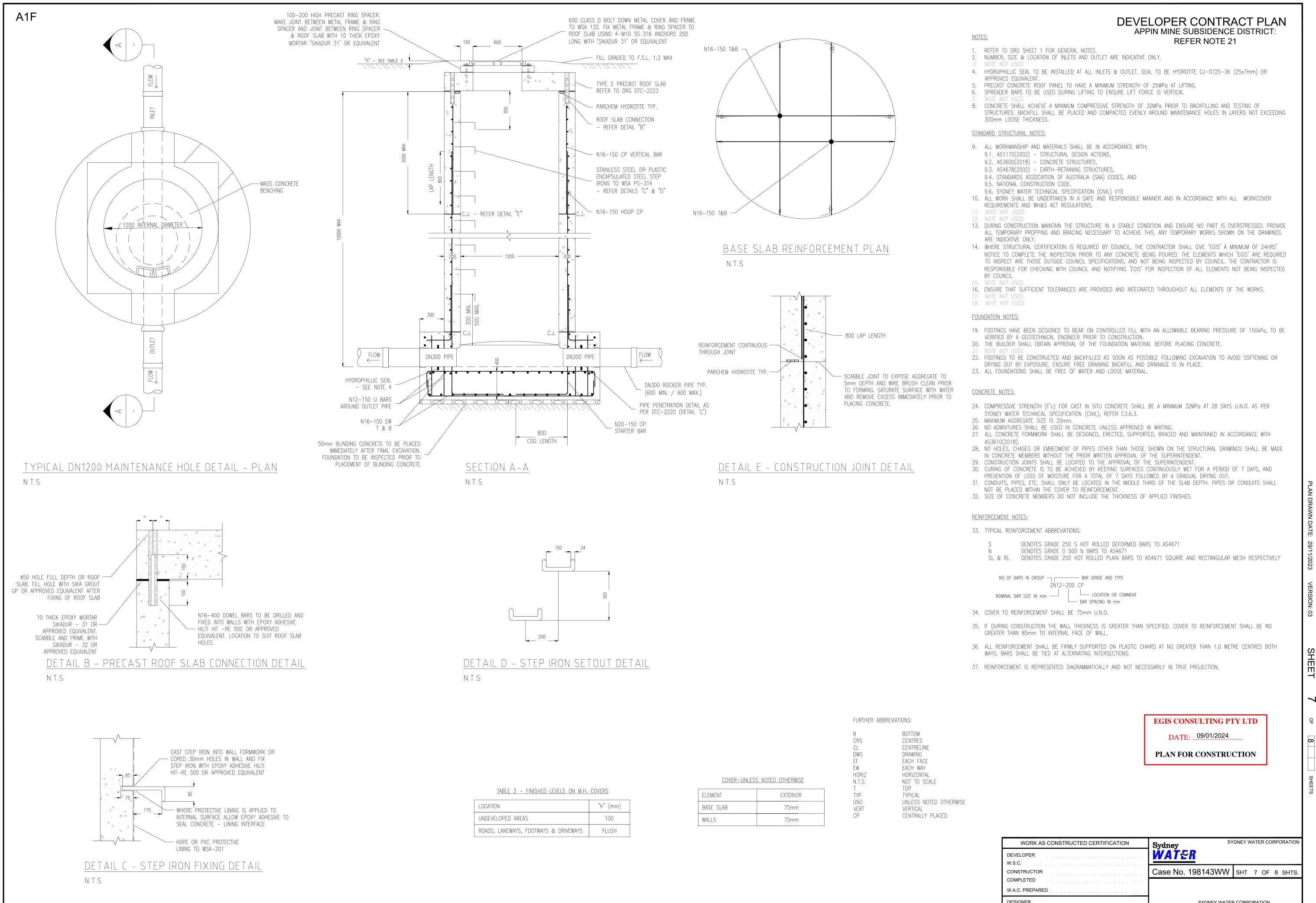
PLAN FOR CONSTRUCTION

MACQUARIEDALE PRECINCT SOUTH APPIN WW LEAD-IN

SYDNEY WATER CORPORATION WORK AS CONSTRUCTED CERTIFICATION Sydney WATER DEVELOPER Case No. 198143WW SHT 6 OF 8 SHTS CONSTRUCTOR COMPLETED W.A.C. PREPARED SYDNEY WATER CORPORATION I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS FOR DETAILS OF SERVICES SEE SHEET 1

SHEET

6

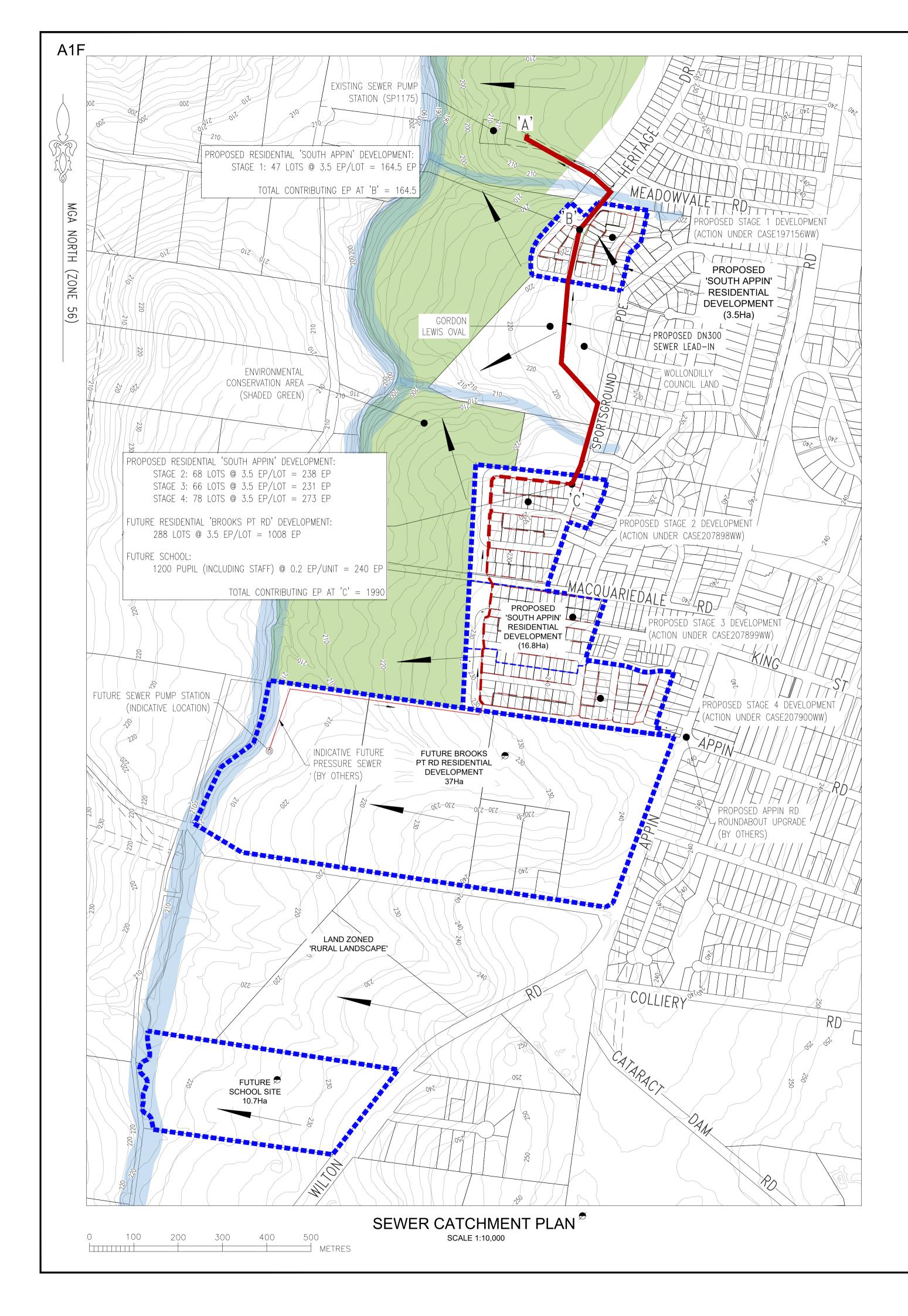


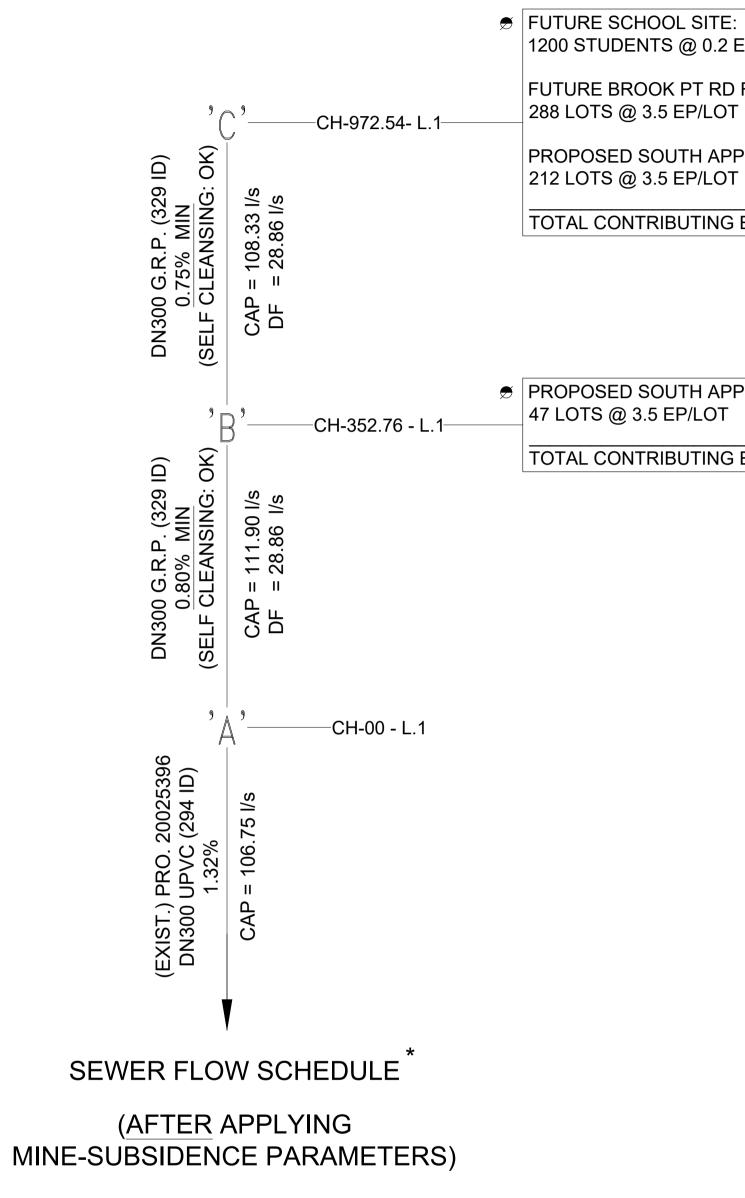
ATION	"h" (mm)
eveloped areas	100
DS, LANEWAYS, FOOTWAYS & DRIVEWAYS	FLUSH

ELEMENT	EXTERIOR
BASE SLAB	75mm
WALLS	75mm

RS	BOTTOM CENTRES
72	CENTRELINE
- VG	DRAWING
-	EACH FACE
V	EACH WAY
DRIZ	HORIZONTAL
T.S.	NOT TO SCALE
	TOP
Έ	TYPICAL
10	UNLESS NOTED OTHE
RT	VERTICAL
)	CENTRALLY PLACED

WORK AS CONSTRUCTED CERTIFICATION	Sydney	SYDNEY WATER CORPORATION		
VELOPER	WATER			
S.C. INSTRUCTOR	Case No. 198143WW	SHT 7 OF 8 SHTS.		
MPLETED				
SIGNER CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN CCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	SYDNEY WAT	ER CORPORATION		





- * SEWER GRADES INCLUSIVE OF ADDITIONAL 0.1% GRADE INCREASE FROM 0.55% TO SATISFY MINE-SUBSIDENCE TILT REQUIREMENTS. GRADES OF 0.55% (PRIOR TO APPLYING MINE-SUBSIDENCE PARAMETERS) HAVE BEEN SUCCESSFULLY CHECKED FOR SELF-CLEANSING. REFER NOTE 21.4 ON SHEET 1
- CATCHMENT PLAN AND FLOW TO BE READ IN CONJUNCTION WITH 'APPIN SOUTH WASTEWATER SERVICING PREFERRED OPTION' REPORT PREPARED BY CALIBRE FOR WALKER CORPORATION

DEVELOPER CONTRACT PLAN
APPIN MINE SUBSIDENCE DISTRICT:
REFER NOTE 21

EGIS CONSULTING PTY LTD DATE: 09/01/2024

PLAN FOR CONSTRUCTION

- EP = 240 1200 STUDENTS @ 0.2 EP/STUDENT

FUTURE BROOK PT RD RESIDENTIAL DEVELOPMENT: - EP = 1008

PROPOSED SOUTH APPIN RESIDENTIAL DEVELOPMENT (STAGES 2-4): - EP = 742

TOTAL CONTRIBUTING EP = 1990

₱ PROPOSED SOUTH APPIN RESIDENTIAL DEVELOPMENT (STAGE 1): - EP = 164.5

TOTAL CONTRIBUTING EP = 2154.5

		SOUTH APPIN, WW LEAD-IN
WORK AS CONSTRUCTED CERTIFICATION	Sydney SY	DNEY WATER CORPORATION
ELOPER	<u>WAT&R</u>	
ISTRUCTOR	Case No. 198143WW	SHT 8 OF 8 SHTS
IPLETED		1
C. PREPARED		
IGNER	SYDNEY WATE	R CORPORATION
RTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN CORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS	FOR DETAILS OF SERV	ICES SEE SHEET 1

23-000031

MACQUARIEDALE PRECINCT

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