PLAN TO BE READ IN CONJUNCTION

WITH CURRENT SYDNEY WATER STANDARDS

SYDNEY WATER CORPORATION

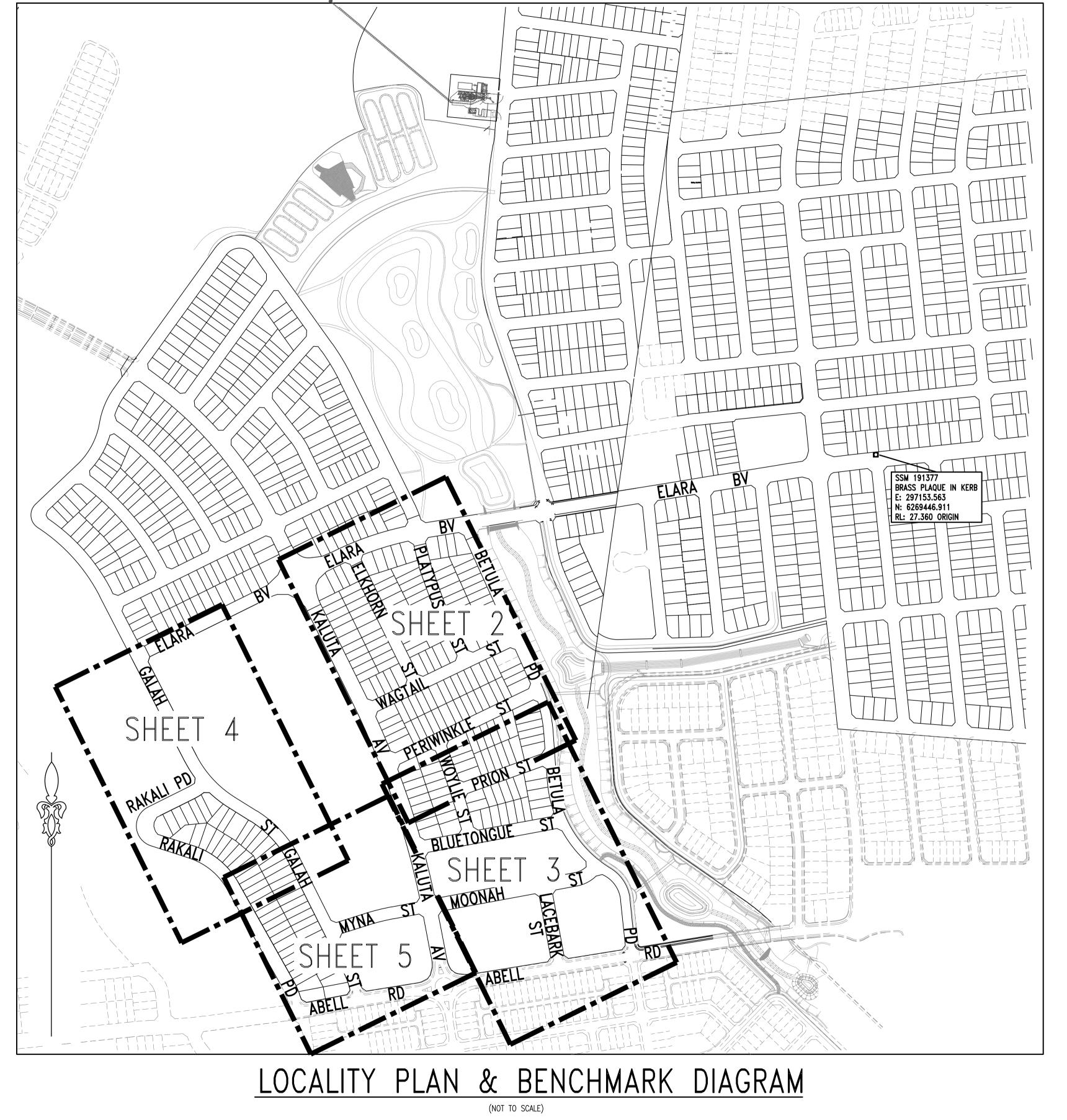
PRIOR TO COMMENCEMENT OF EXCAVATION FOR

PROPOSED AND EXISTING SERVICES CONTACT:

ELECTRICITY Ph.

GIVING AT LEAST 48 HOURS NOTICE.

WORK AS CONSTRUCTED J.V. 26.07.1 ISSUE FOR APPROVAL F.J. 29.08.1 DRAFT ISSUE FOR TENDER F.J. 22.08.18 AMENDMENT DESCRIPTION BY DATE Sydney
WATER SYDNEY WATER CORPORATION



1. DESIGNER AND WATER SERVICING COORDINATOR: QALCHEK PTY LTD (CERTIFIED No.289) 77 UNION RD. PENRITH NSW 2750 PH. No. (02) 4722 8181

WOORONG PARK PTY LTD c/o J WYNDHAM PRINCE 580 HIGH STREET, PENRITH, NSW, 2750 PHONE 02 4720 3341 (CHRIS MUDIE, PROJECT MANAGER JWP)

- 2. THE WORKS AND MATERIALS ARE IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA (WSA 03-2011-3.1) INCLUDING THE SYDNEY WATER SUPPLEMENT (2014) AND APPENDICES.
- 3. MAINS LAID GENERALLY AS SHOWN ON PLAN AT STANDARD DEPTH BELOW KERB INLET EXCEPT WHERE OTHERWISE SHOWN.
- 4. ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS WAS THE RESPONSIBILITY OF THE CONSTRUCTOR.
- 5. PRECAUTIONS MAY BE NECESSARY IN THE VICINITY OF SUB-STATION EARTHING.
- 6. ALL BUILDING LAYOUTS, FINISHED SURFACE LEVELS, STORMWATER INFORMATION, AND GENERAL CIVIL ENGINEERING DETAILS TAKEN FROM: CIVIL ENGINEERING AND STORMWATER: NEWPARK PRECINCT 6 CAD BASE 180731.DWG & PRECINCT 6 CC PLANS.PDF (PROVIDED BY JWP 31.07.2018) SURFACE INFORMATION: NEWPARK PRECINCT 6 3D TRIANGLES 180808.DWG (PROVIDED BY JWP 08.08.2018)
- 7. CONDITIONS FOR EMBEDMENT, BACKFILL AND TESTING REQUIREMENTS ARE AS FOLLOWS:
- ALL POTABLE WATER ROAD CARRIAGEWAY CROSSINGS FOR EXISTING AND NEW ROADS BEDDED AND BACKFILLED WITH SAND/CEMENT. SAND/CEMENT RATIO 14:1 AND IS PLACED DRY.
- FOR ANY WATERMAIN LOCATED WITHIN 1.0m OF A ROAD SHOULDER OR KERB AND GUTTER IN THE VERGE OR FOOTPATH THE EMBEDMENT AND BACKFILL (IF "COHESIVE" MATERIAL WAS USED) IT WAS COMPACTED TO A DENSITY INDEX OF 95%. ALL TESTS (EMBEDMENT AND BACKFILL) DONE AS FOR TRAFFICABLE AREA.

THEREFORE THE MINIMUM NUMBER OF FIELD COMPACTION TESTS CONDUCTED TO SATISFY THE CONDITIONS ABOVE AS WELL AS THE WATER SUPPLY CODE OF AUSTRALIA ARE:

PIPE EMBEDMENT ZONE: 70 TESTS CONDUCTED

TRENCH FILL ZONE (TRAFFICABLE): 140 TESTS CONDUCTED

TRENCH FILL ZONE PROPERTY SERVICES: <u>O TESTS CONDUCTED</u> (LETTER PROVIDED)

COMPACTION TESTS - TOTAL: 210 TESTS CONDUCTED

- 8. ALL PROPERTY (MAIN TO METER) SERVICES ARE CONSTRUCTED TO SYDNEY WATER'S INSTALLATION REQUIREMENTS BY A LICENSED PLUMBER AND ACCREDITED DRILLER. THE WORKS ARE INSTALLED IN ACCORDANCE WITH THE CURRENT SYDNEY WATER PROPERTY SERVICE (MAIN TO METER) INSTALLATIONS TECHNICAL REQUIREMENTS, NSW CODE OF PRACTICE FOR PLUMBING AND DRAINAGE, AND AS/NZ 3500.
- 9. ALL REDUNDANT SURFACE FITTINGS AND INDICATOR PLATES AT POINTS OF CONNECTION TO EXISTING SYSTEM WERE RECOVERED WHERE FLUSHING BENDS WERE REMOVED AND CONNECTIONS MADE.
- 10. THE WORKS ARE CONSTRUCTED IN ACCORDANCE WITH SYDNEY WATER'S DEEMED TO COMPLY DRAWINGS:
- FOR HORIZONTAL BENDS TYPE 2 DTC-1111 (ISSUE B 29.02.12) - FOR TAPERS DTC-1112 (ISSUE B 29.02.12)
- FOR TEES DTC-1113 (ISSUE B 29.02.12)
- FOR VERTICAL BENDS & HYDRANT BENDS DTC-1114 (ISSUE A 31.01.12)
- 11. ALL ROAD CROSSINGS AND ALL MAINS LOCATED WITHIN ROAD CARRIAGEWAYS OF EXISTING AND NEW ROADS ARE BACKFILLED WITH SAND/CEMENT AT A RATIO OF 14:1. MINIMUM COVER OF SAND CEMENT BACKFILL ON POTABLE WATERMAIN IS 300mm. ALL TRENCHES OTHER THAN IN CARRIAGEWAY ARE BACKFILLED AS FOR A TRAFFICABLE AREA (REFER TO SECTION 17 OF WSA 03-2011-3.1).
- 12. BULKHEADS CONSTRUCTED AT EACH KERB CROSSING TO WAT-1209.

		UTILI	TIES		WORK AS CONSTRUCTED CERTIFICATION		
TYPE	DATE	REF.	TYPE	DATE	REF.	DEVELOPER WOORONG PARK PTY LTD	Τ:
STORMWATER: SWD $$ SWD							2
SEWER: S S	22.08.18	DESIGN				WATER SERVICE CO-ORDINATOR QALCHEK PTY LTD	
						CONSTRUCTOR C.J. DOYLE CONTRACTING	\vdash
						COMPLETED	\vdash
							╁╴
						DESIGNER QALCHEK PTY LTD	

CLASS LENGTH PIPE JOINING METHOD / NOTE: 00 O.P.V.C. PN16 3206.2 RRJ I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS. DESIGN HEAD 120 r

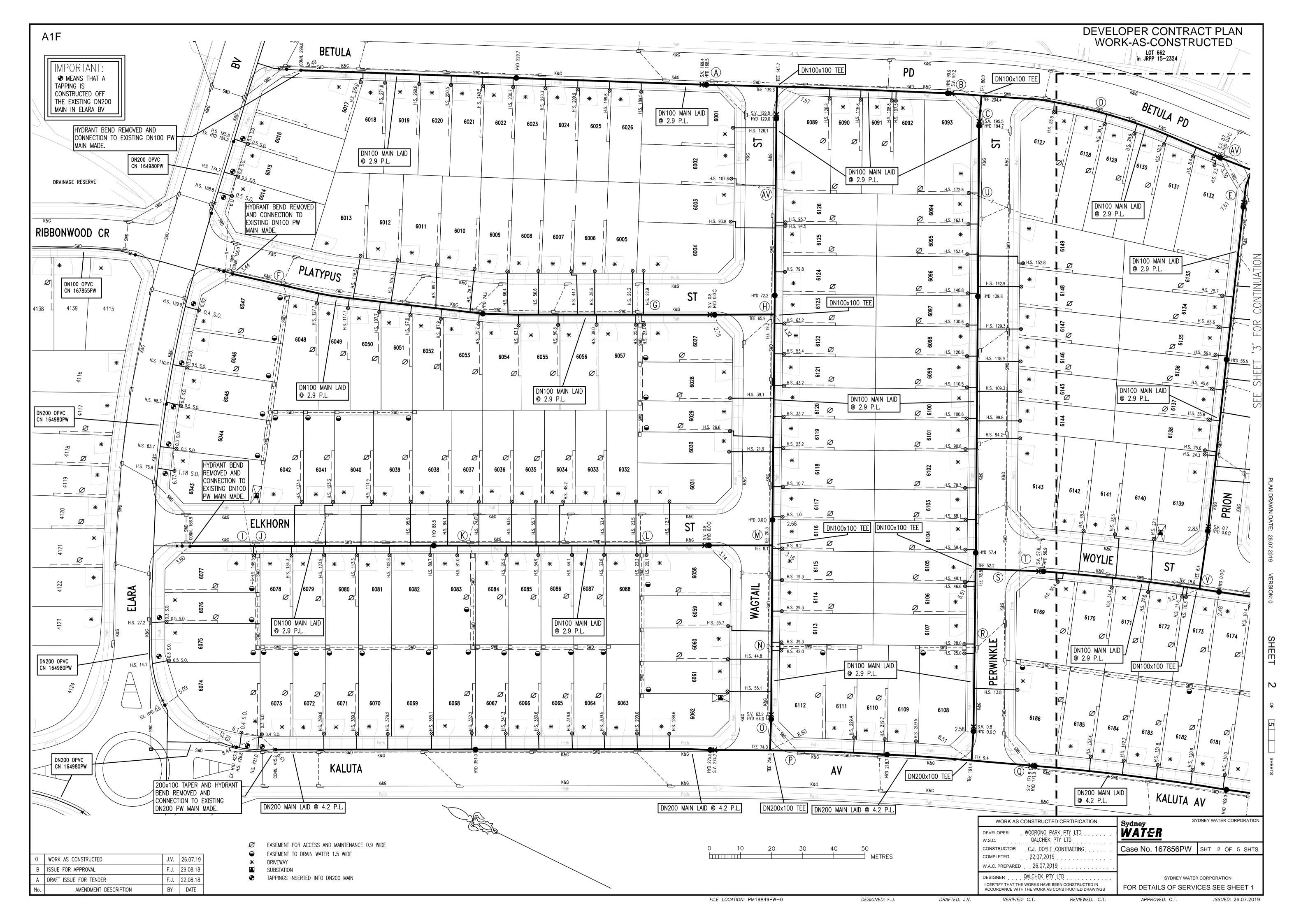
PIPE SCHEDULE

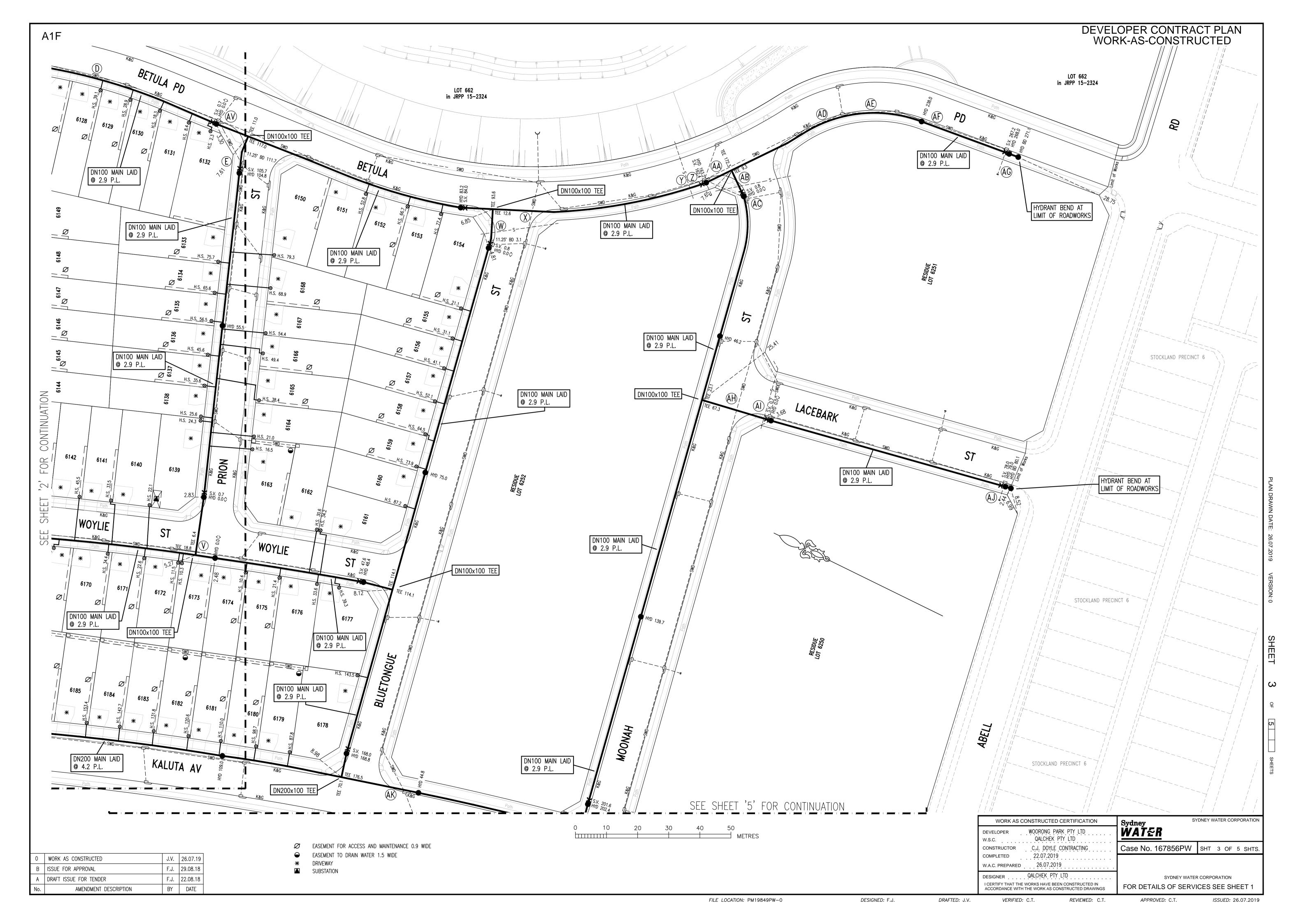
USTRALIAN HEIGHT DATUM CROSS SECTIONS NATURAL

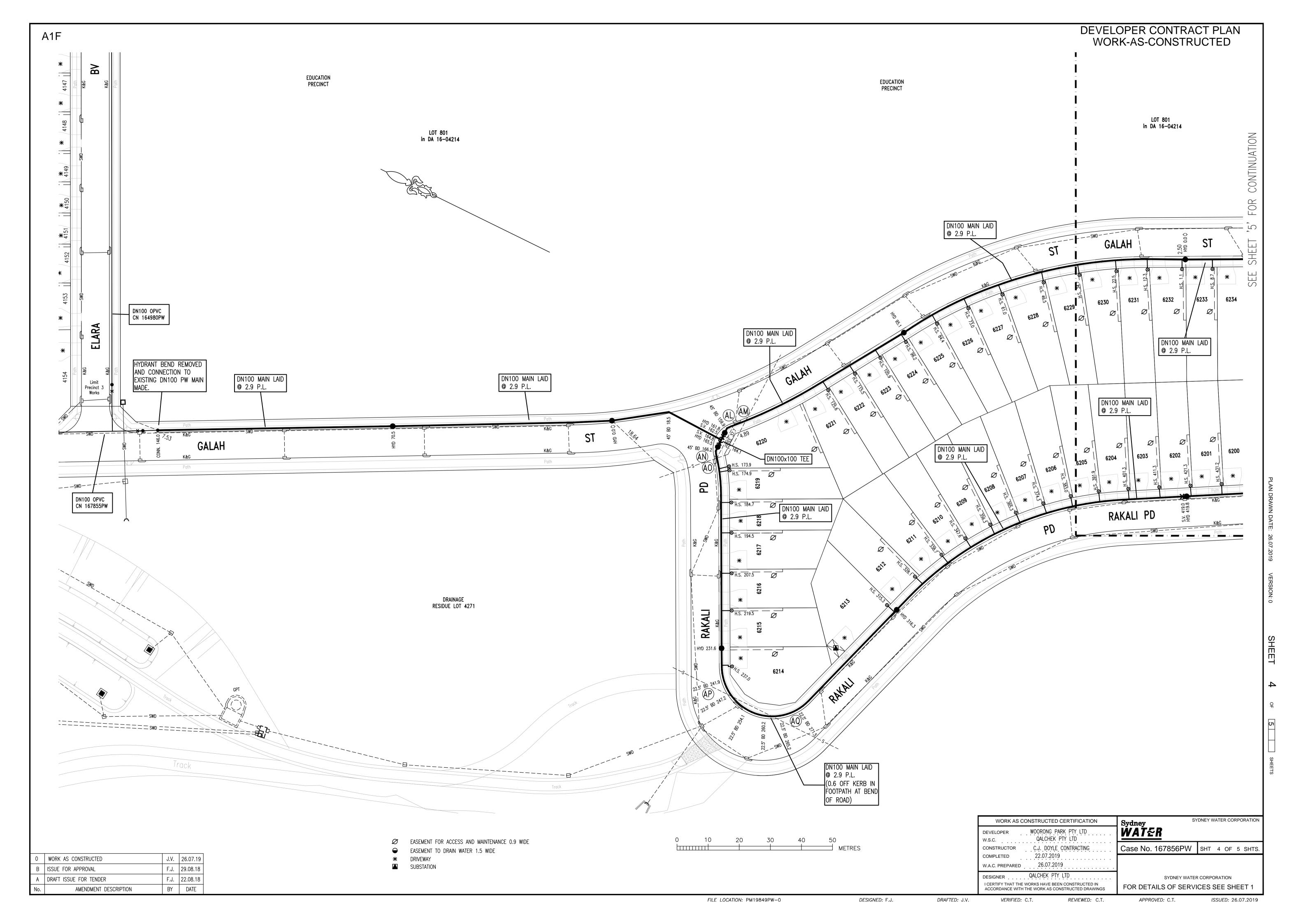
NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN S NOT NECESSARILY UP TO DATE OR CORRECT AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY. MAP 126 A/16 45th EDITION

Case No. 167856PW WATERMAIN EXTENSION **ELARA BV & OTHERS** MARSDEN PARK

BLACKTOWN SHEET. 1. OF . 5. FILE LOCATION: PM19849PW-0 APPROVED: C.T. ISSUED: 26.07.2019 DESIGNED: F.J. DRAFTED: J.V. VERIFIED: C.T. REVIEWED: C.T.

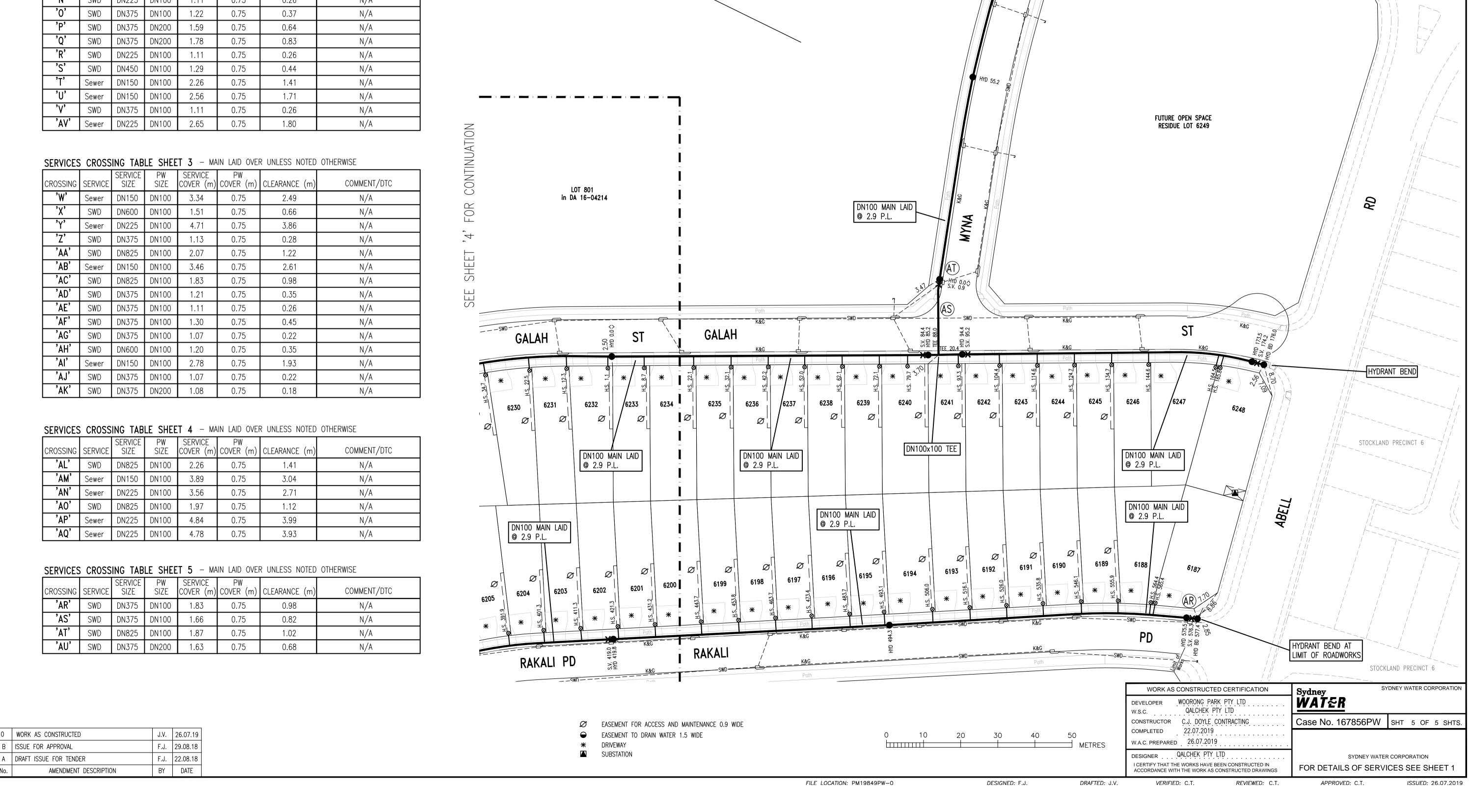






SERVICES CROSSING TABLE SHEET 2 - MAIN LAID OVER UNLESS NOTED OTHERWISE

		SERVICE	PW	SERVICE	PW	ONEESS NOTED	
CROSSING			SIZE	COVER (m)	COVER (m)	CLEARANCE (m)	COMMENT/DTC
'A'	SWD	DN750	DN100	1.88	0.75	1.03	N/A
'B'	SWD	DN750	DN100	1.97	0.75	1.12	N/A
'C'	SWD	DN750	DN100	1.65	0.75	0.80	N/A
'D'	SWD	DN750	DN100	2.45	0.75	1.60	N/A
'E'	SWD	DN450	DN100	1.77	0.75	0.92	N/A
'AV'	SWD	DN450	DN100	2.10	0.75	1.25	N/A
'F'	SWD	DN375	DN100	1.06	0.75	0.21	N/A
'G'	SWD	DN225	DN100	0.84	0.59	0.15	Ease Main over SWD
'H'	SWD	DN450	DN100	1.19	0.75	0.34	N/A
'l'	Sewer	DN150	DN100	2.41	0.75	1.56	N/A
'J'	SWD	DN375	DN100	1.08	0.75	0.23	N/A
'K'	SWD	DN375	DN100	1.07	0.75	0.22	N/A
'L'	SWD	DN225	DN100	1.11	0.75	0.26	N/A
'M'	SWD	DN375	DN100	1.20	0.75	0.35	N/A
'N'	SWD	DN225	DN100	1.11	0.75	0.26	N/A
'0'	SWD	DN375	DN100	1.22	0.75	0.37	N/A
'P'	SWD	DN375	DN200	1.59	0.75	0.64	N/A
'Q'	SWD	DN375	DN200	1.78	0.75	0.83	N/A
'R'	SWD	DN225	DN100	1.11	0.75	0.26	N/A
'S'	SWD	DN450	DN100	1.29	0.75	0.44	N/A
' T'	Sewer	DN150	DN100	2.26	0.75	1.41	N/A
'U'	Sewer	DN150	DN100	2.56	0.75	1.71	N/A
'V'	SWD	DN375	DN100	1.11	0.75	0.26	N/A
'AV'	Sewer	DN225	DN100	2.65	0.75	1.80	N/A



DEVELOPER CONTRACT PLAN

WORK-AS-CONSTRUCTED

HYDRANT BEND AT LIMIT OF ROADWORKS

SEE SHEET '3' FOR CONTINUATION

S.V. 104.7

27

DN200x100 TEE DN200 MAIN LAID

@ 4.2 P.L.

DN200x100 TAPER

KALUTA

DN200 MAIN LAID @ 4.2 P.L.

DN100 MAIN LAID

@ 2.9 P.L.