

0 10 20 30 40 50 METRES
M.G.A. ZONE 56 M.G.A. DATUM: GDA2020

- DESIGNER AND WATER SERVICING COORDINATOR:
QALCHEK PTY LTD (CERTIFIED No.289)
UNIT 2, LEVEL 1, 15-17 DAVID RD, EMU PLAINS NSW 2750
PH. No. (02) 4722 8181

FOR:
WOORONG PARK PTY LTD
C/O J WYNDHAM PRINCE
280 HIGH STREET, PENRITH NSW 2750
PH. No. 02 4720 3300
- THE WORKS AND MATERIALS WERE IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA (WSA 03-2011-3.1) INCLUDING THE SYDNEY WATER SUPPLEMENT (2014) AND APPENDICES ALONG WITH THE CIVIL SPEC. V.11. ALL PIPES/FITTINGS/OTHER PRODUCTS COMPLIED WITH EPS 500 / EPS 501. CONTRACTOR HAD A COPY OF THESE DOCUMENTS ON SITE AT ALL TIMES.
- ALL MAINS WERE LAID GENERALLY 2.9m P.L. AT STANDARD DEPTH BELOW KERB INVERT (CLAUSE 7.4.2) EXCEPT WHERE OTHERWISE SHOWN.
- MAIN LAYING DID NOT PROCEED PRIOR TO FORMATION OF FOOTWAYS TO FINISHED SURFACE LEVELS. IF FOR ANY REASON MAINS WERE LAID PRIOR TO THIS IT WAS THE CONSTRUCTOR'S RESPONSIBILITY TO HAVE THE LOCATION AND FINISHED LEVELS OF THE KERB ETC. PEGGED.
- PRIOR TO ANY EXCAVATION THE CONSTRUCTOR HAD A CURRENT COPY OF THE UNDERGROUND SERVICES SEARCH REPORT WHICH WAS READ IN CONJUNCTION WITH THIS PLAN.
- SERVICES SHOWN FROM 'DIAL BEFORE YOU DIG' SERVICES SEARCH WERE INDICATIVE ONLY. AUTHENTICITY AND ACCURACY WERE NOT PRESUMED AND WERE CONFIRMED BY THE CONSTRUCTOR PRIOR TO ANY EXCAVATION WORKS ON SITE.
- ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS WAS THE RESPONSIBILITY OF THE CONSTRUCTOR. SHORING BOXES WERE NOT USED AS A FORM OF STABILITY CONTROL, NEITHER WAS SAND CEMENT BACKFILL NOR CONCRETE ENCASEMENT.
- ALL FINISHED SURFACE LEVELS, STORMWATER INFORMATION, AND GENERAL CIVIL ENGINEERING DETAILS TAKEN FROM J WYNDHAM PRINCE CIVIL DESIGN RECEIVED ON 17/06/2024.
- THE REVIEW OF ENVIRONMENTAL FACTORS WAS AN INTEGRAL PART OF THIS DESIGN AND WAS READ IN CONJUNCTION WITH THIS PLAN.
- THE MINIMUM NUMBER OF FIELD COMPACTION TESTS CONDUCTED TO SATISFY THE SYDNEY WATER CIVIL SPEC. WERE:
PIPE EMBEDMENT ZONE: 0 TESTS CONDUCTED
TRENCH FILL ZONE: 27 TESTS CONDUCTED
TOTAL COMPACTION TESTS: 27 TESTS CONDUCTED
NUMBER OF TESTS VERIFIED BY ACCREDITED FIELD TESTER:

MATERIAL TESTING OF PIPE EMBEDMENT, TRENCH FILL AND SELECT FILL WAS UNDERTAKEN AS PER CIVIL TECH SPEC SECTION C2.7.8.
- THERE WAS A MINIMUM DISTANCE OF 5.0m FROM THE HY-SV-HY CONFIGURATION TO THE HYDRANT BEND (UNLESS NOTED OTHERWISE). DID NOT SCALE DISTANCES OFF THE PLAN. FITTINGS WERE LOCATED IN FOOTWAY UNLESS OTHERWISE SHOWN. IF IN DOUBT THE CONSTRUCTOR CONTACTED THE PROJECT SUPERVISOR OR DESIGNER TO OBTAIN CLARIFICATION.
- ALL PROPERTY (MAIN TO METER) SERVICES WERE CONSTRUCTED TO SYDNEY WATER'S INSTALLATION REQUIREMENTS BY A LICENSED PLUMBER AND ACCREDITED DRILLER. THE WORKS WERE 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.
- WHERE THE NEW MAIN CROSSES A ROADWAY, A MINIMUM COVER OF 750mm WAS MAINTAINED BELOW THE ROAD PAVEMENT.
- TAPPING INSERTED INTO EXISTING MAIN.

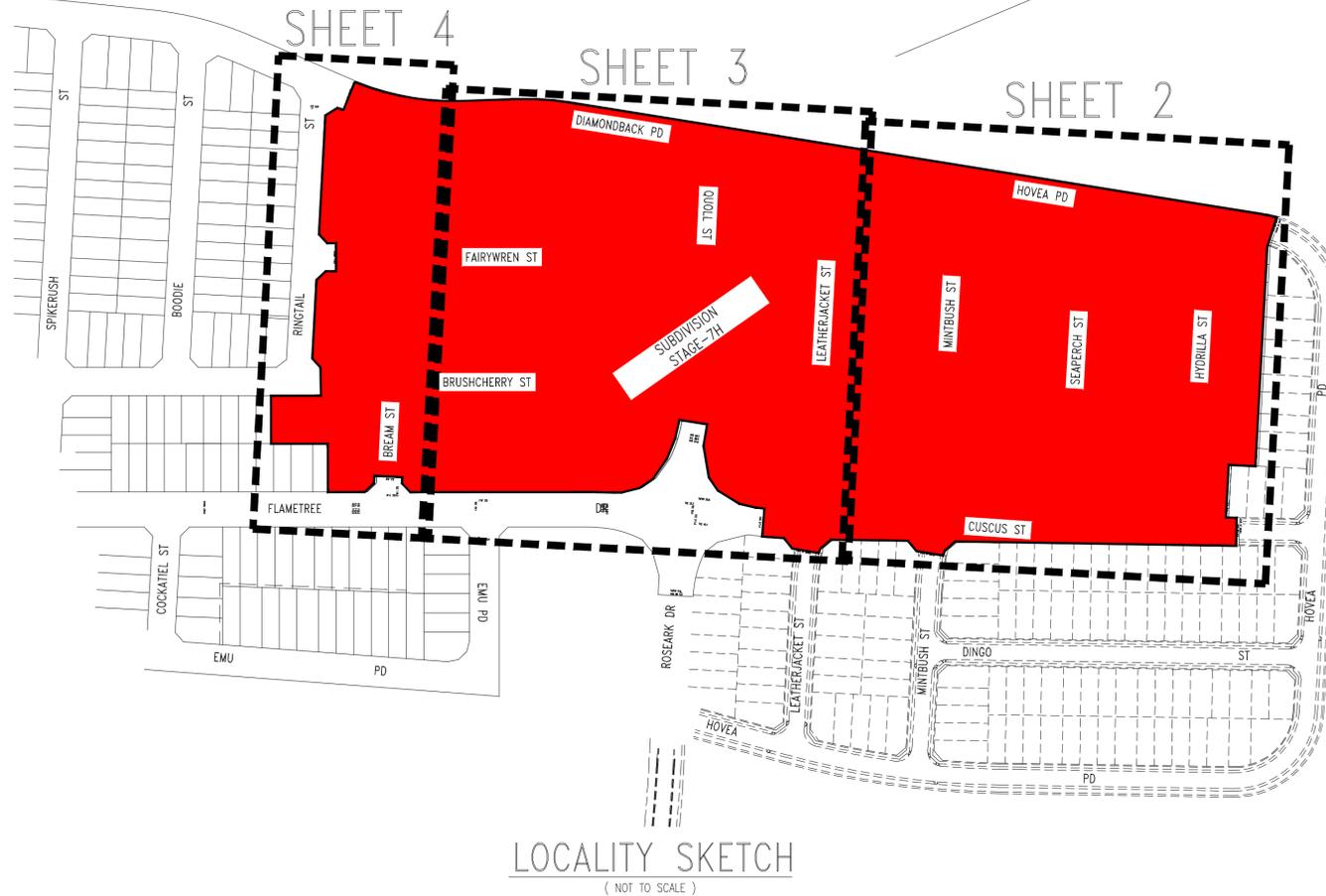


TABLE 1

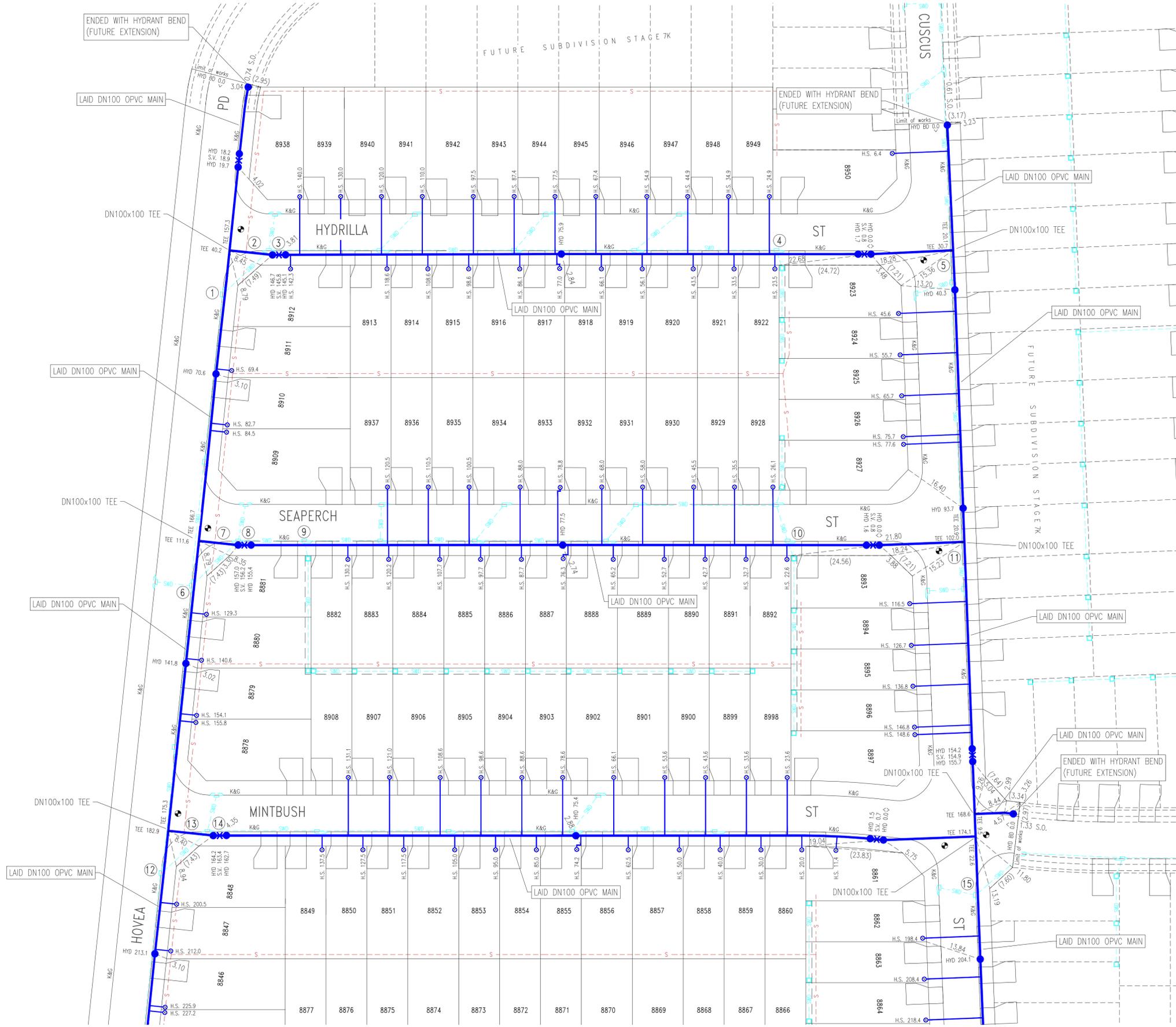
APPLICABLE DEEMED-TO-COMPLY DRAWINGS				
No.	DESCRIPTION	DRAWING No.	ISSUE	DATE
1	THRUST BLOCK DETAILS-HORZ. BENDS	DTC-1110	B	31.07.24
2	THRUST BLOCK DETAILS-TEES	DTC-1113	C	31.07.24
3	THRUST BLOCK DETAILS-TAPERS	DTC-1112	C	31.07.24
4	THRUST BLOCK-VERT. & HYD. BENDS	DTC-1114	B	31.07.24
5	ANCHORAGE DETAILS-STOP VALVES	DTC-1115	C	31.07.24

TABLE 2

SERVICE CROSSING TABLE - MAIN LAID OVER UNLESS NOTED OTHERWISE							
CROSSING	SERVICE	SERVICE SIZE	PW SIZE	SERVICE COVER (m)	PW COVER (m)	CLEARANCE (m)	REFER TO DTC DRAWING No.
'1'	SWD	DN525	DN100	2.19	0.60	1.49	N/A
'2'	WW	DN150	DN100	2.74	0.60	2.04	N/A
'3'	SWD	DN525	DN100	1.75	0.60	1.05	N/A
'4'	SWD	DN375	DN100	1.14	0.60	0.44	N/A
'5'	SWD	DN375	DN100	1.57	0.60	0.87	N/A
'6'	SWD	DN600	DN100	1.79	0.60	1.09	N/A
'7'	WW	DN150	DN100	3.74	0.60	3.04	N/A
'8'	SWD	DN600	DN100	1.42	0.60	0.72	N/A
'9'	SWD	DN375	DN100	1.14	0.60	0.44	N/A
'10'	SWD	DN375	DN100	1.14	0.60	0.44	N/A
'11'	SWD	DN375	DN100	1.35	0.60	0.65	N/A
'12'	SWD	DN375	DN100	1.69	0.60	0.99	N/A
'13'	WW	DN150	DN100	3.89	0.60	3.19	N/A
'14'	SWD	DN375	DN100	1.40	0.60	0.70	N/A
'15'	SWD	DN375	DN100	1.62	0.60	0.92	N/A
'16'	SWD	DN525	DN100	1.74	0.60	1.04	N/A
'17'	WW	DN150	DN100	4.37	0.60	3.67	N/A
'18'	SWD	DN525	DN100	1.38	0.60	0.68	N/A
'19'	WW	DN225	DN100	8.77	0.60	8.07	N/A
'20'	SWD	DN375	DN100	1.85	0.60	1.15	N/A
'21'	SWD	DN750	DN100	2.92	0.60	2.22	N/A
'22'	WW	DN225	DN100	4.07	0.60	3.37	N/A
'23'	SWD	DN600	DN100	2.11	0.60	1.41	N/A
'24'	WW	DN100	DN100	3.41	0.60	2.71	N/A
'25'	SWD	DN600	DN100	2.18	0.60	1.38	N/A
'26'	SWD	DN375	DN100	1.57	0.60	0.87	N/A
'27'	WW	DN150	DN100	2.89	0.60	2.19	N/A
'28'	SWD	DN375	DN100	1.98	0.60	1.28	N/A
'29'	SWD	DN375	DN100	1.15	0.60	0.45	N/A
'30'	SWD	DN375	DN100	2.21	0.60	1.51	N/A
'31'	SWD	DN375	DN100	2.03	0.60	1.33	N/A
'32'	SWD	DN375	DN200	2.12	0.60	1.32	N/A

1	WORK AS CONSTRUCTED	J.V.	16.02.26
B	UPSPEC DUE TO DESIGN EXPIRY	T.T.	08.09.25
A	ISSUE FOR REVIEW	S.T.	20.06.24
No.	AMENDMENT DESCRIPTION	BY	DATE

<p>PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION</p> <p>PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT:- DIAL BEFORE YOU DIG Ph. 1100 ELECTRICITY Ph. GAS Ph. TELECOMMUNICATIONS Ph. SYDNEY WATER Ph. 132 092 GIVING AT LEAST 48 HOURS NOTICE.</p>	<p>UTILITIES</p> <table border="1"> <thead> <tr> <th>TYPE</th> <th>DATE</th> <th>REF.</th> <th>TYPE</th> <th>DATE</th> <th>REF.</th> </tr> </thead> <tbody> <tr> <td>NEW STORMWATER: SWD</td> <td>20.06.24</td> <td>CIVIL DES.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EXIS. STORMWATER: SWD</td> <td>20.06.24</td> <td>CIVIL DES.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>SEWER: S</td> <td>20.06.24</td> <td>DESIGN</td> <td></td> <td></td> <td></td> </tr> <tr> <td>NEW SEWER: S</td> <td>20.06.24</td> <td>DESIGN</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			TYPE	DATE	REF.	TYPE	DATE	REF.	NEW STORMWATER: SWD	20.06.24	CIVIL DES.				EXIS. STORMWATER: SWD	20.06.24	CIVIL DES.				SEWER: S	20.06.24	DESIGN				NEW SEWER: S	20.06.24	DESIGN				<p>WORK AS CONSTRUCTED CERTIFICATION</p> <p>DEVELOPER WOORONG PARK PTY LTD WATER SERVICE CO-ORDINATOR QALCHEK PTY LTD CONSTRUCTOR C.J. DOYLE CONTRACTING SERVICES PTY LTD COMPLETED 02.12.2025 W.A.C. PREPARED 16.02.2026 DESIGNER QALCHEK PTY LTD I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.</p>			<p>PIPE SCHEDULE</p> <table border="1"> <thead> <tr> <th>SIZE DN</th> <th>TYPE</th> <th>CLASS</th> <th>LENGTH</th> <th>PIPE JOINING METHOD / NOTES</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>oPVC</td> <td>PN16</td> <td>2363.1</td> <td>RRJ</td> </tr> <tr> <td>200</td> <td>oPVC</td> <td>PN16</td> <td>336.0</td> <td>RRJ</td> </tr> </tbody> </table>			SIZE DN	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES	100	oPVC	PN16	2363.1	RRJ	200	oPVC	PN16	336.0	RRJ	<p>AUSTRALIAN HEIGHT DATUM</p> <p>SCALES PLAN 1:500 SECTION { HOR. VERT. } CROSS SECTIONS { NATURAL } LENGTHS, DEPTHS & LEVELS ARE IN METRES.</p>			<p>NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN IS NOT NECESSARILY UP TO DATE OR CORRECT AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY.</p> <p>Sydney WATER SYDNEY WATER CORPORATION Case No. 195240PW U.B. DIRECTORY MAP 126/B13 41st EDITION WATERMAIN ADJUSTMENT DIAMONDBACK PD AND OTHERS MARSDEN PARK BLACKTOWN</p>		
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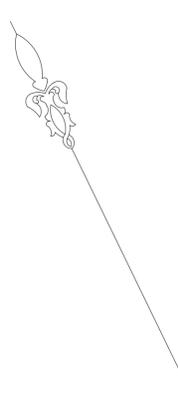
PLAN DRAWN DATE: 16.02.2026
VERSION: 1
SHEET 2 OF 4 SHEETS

1	WORK AS CONSTRUCTED	J.V.	16.02.26
B	UPSPEC DUE TO DESIGN EXPIRY	T.T.	08.09.25
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WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	Sydney WATER	Case No. 195240PW SHT 2 OF 4 SHTS.
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE CONTRACTING PTY LTD	FOR DETAILS OF SERVICES SEE SHEET 1	
COMPLETED	02.12.2025		
W.A.C. PREPARED	16.02.2026		
DESIGNER	QALCHEK PTY LTD	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	

FOR CONTINUATION SEE SHEET 3





1	WORK AS CREATED	J.V.	16.02.26
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WORK AS CREATED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	Sydney WATER	Case No. 195240PW SHT 3 OF 4 SHTS.
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE CONTRACTING PTY LTD	DESIGNED: T.T. DRAFTED: J.V. VERIFIED: D.L. REVIEWED: D.L. APPROVED: D.L. ISSUED: 16.02.2026	
COMPLETED	02.12.2025	FOR DETAILS OF SERVICES SEE SHEET 1	
W.A.C. PREPARED	16.02.2026		
DESIGNER	QALCHEK PTY LTD		

PLAN DRAWN DATE: 16.02.2026 | VERSION: 1 | SHEET 3 OF 4 SHEETS

'B' FOR CONTINUATION SEE SHEET 3 'B'



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LEGEND
● TAPPING INSERTED INTO EXISTING MAIN SEE NOTE 14.



WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	Sydney WATER	Case No. 195240PW SHT 4 OF 4 SHTS.
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