

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 ROAD, EMU PLAINS NSW 2750
PH. No. (02) 4722 8181

FOR:
WOORONG PARK PTY LTD
c/o J WYNDHAM PRINCE
580 HIGH STREET, PENRITH, NSW 2750
PH. (02) 4720 3300
- 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 AS WELL AS THE SYDNEY WATER TECHNICAL SPECIFICATION - CIVIL VERSION 9.0 AND THE SYDNEY WATER TECHNICAL SPECIFICATION - MECHANICAL VERSION 11.0.
- MAINS LAID GENERALLY AS SHOWN AT STANDARD DEPTH BELOW KERB INLET EXCEPT WHERE OTHERWISE SHOWN.
- ALL EXCAVATION, SHORING EXCAVATION AND STABILITY OF ADJACENT STRUCTURES/SERVICES/DWELLINGS WAS THE RESPONSIBILITY OF THE CONSTRUCTOR.
- ALL BUILDING LAYOUTS, FINISHED SURFACE LEVELS, STORMWATER INFORMATION, AND GENERAL CIVIL ENGINEERING DETAILS TAKEN FROM:
CIVIL BASEPLAN: 998512-P7D and Abell Road-BASE FOR SERVICE DESIGN.dwg (SUPPLIED 23.06.2021 BY JWP)
SURFACE INFORMATION: DESIGN P7 TRIANGLES.dwg (SUPPLIED 23.06.2021 BY JWP)
SMD INFORMATION SUBDIVISION: 9985-12-CC12001-12803.pdf (SUPPLIED 23.06.21 BY JWP)
- 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 WAS 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 WAS COMPACTED TO A DENSITY INDEX OF 98%. ALL TESTS (EMBEDMENT AND BACKFILL) WERE DONE AS FOR TRAFFICABLE AREA.

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: 0 TESTS CONDUCTED (LETTER PROVIDED)
TRENCH FILL ZONE (TRAFFICABLE): 64 TESTS CONDUCTED
TRENCH FILL ZONE PROPERTY SERVICES: 37 TESTS CONDUCTED
COMPACTION TESTS - TOTAL: 101 TESTS CONDUCTED
- 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.
- ALL REDUNDANT SURFACE FITTINGS AND INDICATOR PLATES WERE RECOVERED.
- THE WORKS WERE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING 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)
- FOR STOP VALVES NOTE THAT VALVES DN200 AND UNDER DO NOT REQUIRE ANCHORING AS NOTED IN SYDNEY WATER'S EMAIL DATED 08.08.14

LOCALITY PLAN & BENCHMARK DIAGRAM

(NOT TO SCALE)

1	WORK AS CONSTRUCTED	JV	14.11.22
A	ISSUE FOR APPROVAL	FJ	12.07.21

No.	AMENDMENT DESCRIPTION	BY	DATE
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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:

DIAL BEFORE YOU DIG Ph. 1190

ELECTRICITY Ph. 131 22 22

GAS Ph. 131 22 22

TELECOMMUNICATIONS Ph. 131 22 22

SYDNEY WATER Ph. 132 092

GIVING AT LEAST 48 HOURS NOTICE.

UTILITIES			
TYPE	DATE	REF.	
SEWER: S	02.07.21	DESIGN	
NEW SEWER: S	02.07.21	DESIGN	
STORMWATER: SWD	23.06.21	ENG.PLAN	
NEW STORMWATER: SWD	23.06.21	ENG.PLAN	
SSM 16361 (ORIGIN)	05.05.21	SCIMS	

WORK AS CONSTRUCTED CERTIFICATION	
DEVELOPER	WOORONG PARK PTY LTD
WATER SERVICE CO-ORDINATOR	QALCHEK PTY LTD
CONSTRUCTOR	C.J. DOYLE
COMPLETED	27.10.2022
DESIGNER	QALCHEK PTY LTD
DESIGNED	14.11.2022

I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.

PIPE SCHEDULE				
SIZE (DN)	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES
100	OPVC	PN16	1784.0	RRJ

DESIGN HEAD, 120 m

BOUNDARY TRAPS REQUIRED.

AUSTRALIAN HEIGHT DATUM	
PLAN	1:500
CROSS SECTIONS	NATURAL

LENGTHS, DEPTHS & LEVELS ARE IN METRES.

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.

U.B. DIRECTORY MAP 126/A16 45th EDITION

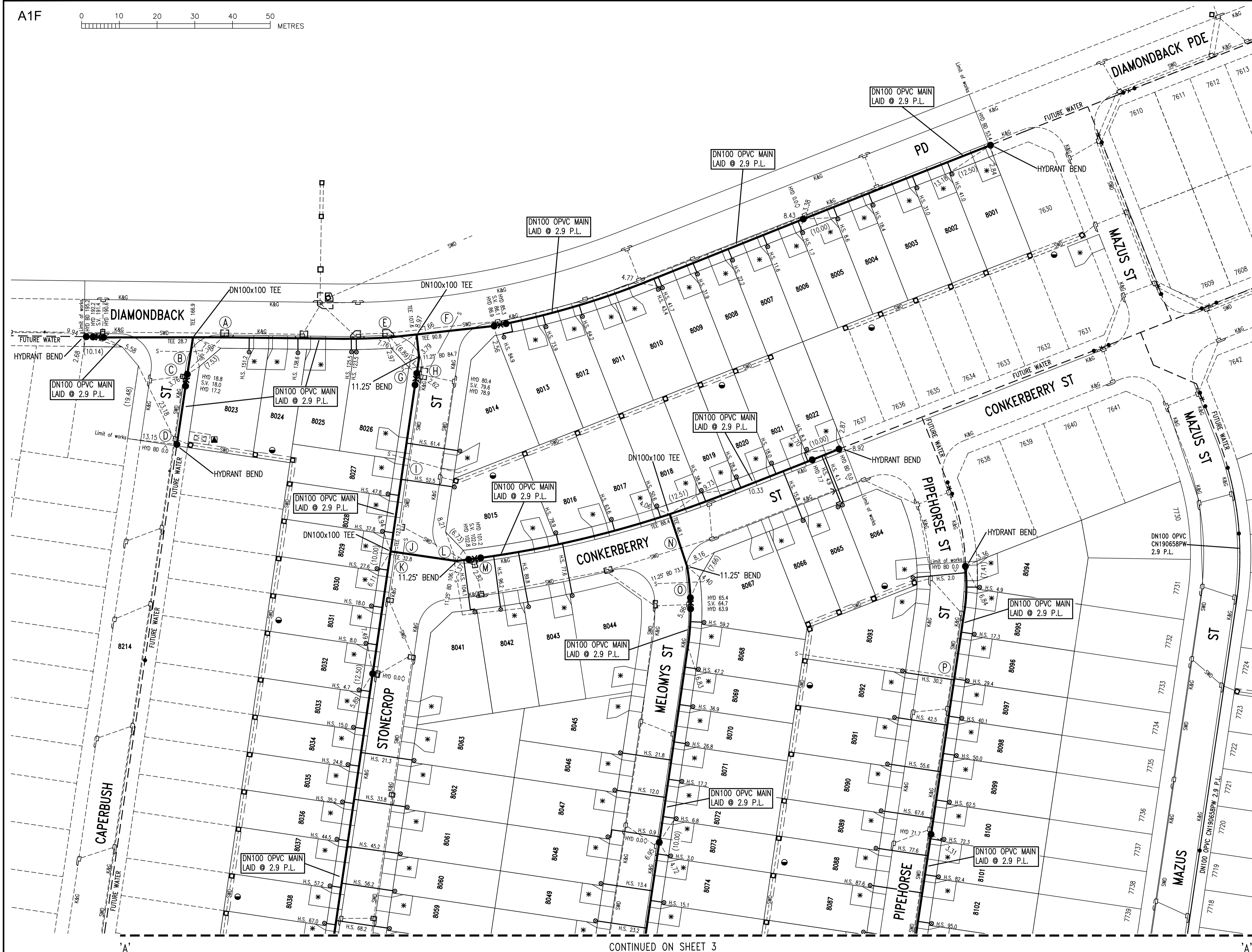
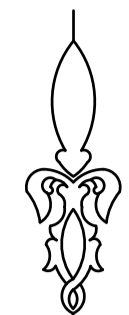
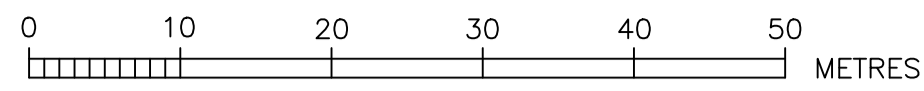
SHEET 1 OF 5

File No. N/A

Sydney WATER SYDNEY WATER CORPORATION

Case No. 190986PW

WATERMAIN EXTENSION
ABELL RD AND OTHERS
MARSDEN PARK BLACKTOWN

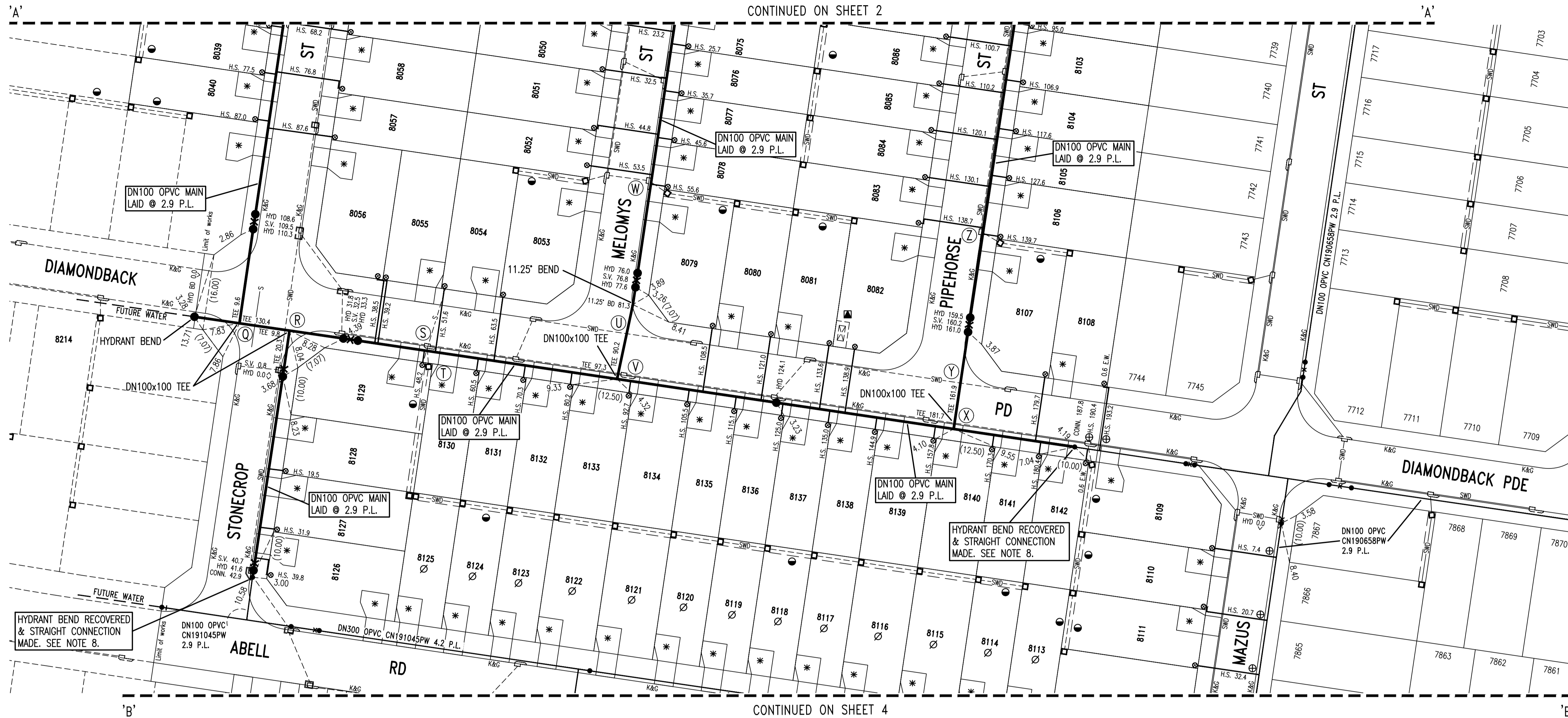


CONTINUED ON SHEET 3

- EASEMENT FOR DRAINAGE 1.5 WIDE
- * DRIVEWAY
- SUBSTATION
- ⊕ TAPPING INSERTED INTO EXISTING MAIN
- ⊗ LOT SERVICED UNDER CN191045PW

1	WORK AS CONSTRUCTED	JV	14.11.22
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WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	WOORONG PARK PTY LTD	 Sydney WATER	
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE		
COMPLETED	27.10.2022		
W.A.C. PREPARED	14.11.2022	Case No. 190986PW	SHT 2 OF 5 SHTS.
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	



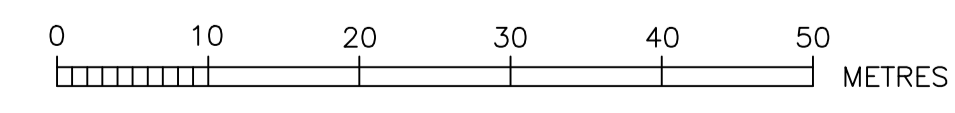
SERVICES CROSSING TABLE SHEET - MAIN LAID OVER UNLESS NOTED OTHERWISE

CROSSING	SERVICE	SERVICE SIZE	PW SIZE	SERVICE COVER (m)	PW COVER (m)	CLEARANCE (m)	COMMENT/DTC
'A'	SWD	DN525	DN100	2.18	0.75	1.33	N/A
'B'	Sewer	DN225	DN100	2.85	0.75	2.00	N/A
'C'	SWD	DN525	DN100	1.66	0.75	0.82	N/A
'D'	SWD	DN375	DN100	1.08	0.75	0.24	N/A
'E'	SWD	DN1200	DN100	1.78	0.75	0.93	N/A
'F'	Sewer	DN525	DN100	3.58	0.75	2.73	N/A
'G'	Sewer	DN225	DN100	3.45	0.75	2.60	N/A
'H'	SWD	DN1200	DN100	1.45	0.75	0.60	N/A
'I'	Sewer	DN225	DN100	3.19	0.75	2.34	N/A
'J'	Sewer	DN525	DN100	4.18	0.75	3.33	N/A
'K'	SWD	DN900	DN100	1.87	0.75	1.02	N/A
'L'	Sewer	DN225	DN100	3.26	0.75	2.41	N/A
'M'	SWD	DN825	DN100	1.89	0.75	1.04	N/A
'N'	SWD	DN525	DN100	1.91	0.75	1.06	N/A
'O'	Sewer	DN150	DN100	2.41	0.75	1.56	N/A
'P'	Sewer	DN150	DN100	2.27	0.75	1.42	N/A
'Q'	Sewer	DN525	DN100	5.61	0.75	4.76	N/A
'R'	SWD	DN750	DN100	1.96	0.75	1.11	N/A
'S'	Sewer	DN150	DN100	2.91	0.75	2.06	N/A
'T'	SWD	DN375	DN100	1.00	0.75	0.15	N/A
'U'	SWD	DN375	DN100	1.15	0.75	1.00	N/A
'V'	SWD	DN450	DN100	1.64	0.75	0.79	N/A
'W'	SWD	DN375	DN100	1.09	0.75	0.24	N/A
'X'	SWD	DN375	DN100	1.57	0.75	0.72	N/A
'Y'	SWD	DN375	DN100	1.11	0.75	0.26	N/A
'Z'	SWD	DN375	DN100	1.08	0.75	0.23	N/A

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CROSSING	SERVICE	SERVICE SIZE	PW SIZE	SERVICE COVER (m)	PW COVER (m)	CLEARANCE (m)	COMMENT/DTC
'AA'	Sewer	DN150	DN100	3.03	0.75	2.18	N/A
'AB'	SWD	DN525	DN100	1.90	0.75	1.06	N/A
'AC'	Sewer	DN150	DN100	3.11	0.75	2.26	N/A
'AD'	SWD	DN525	DN100	1.71	0.75	0.86	N/A
'AE'	SWD	DN450	DN100	1.14	0.75	0.29	N/A
'AF'	SWD	DN375	DN100	1.08	0.75	0.23	N/A
'AG'	SWD	DN375	DN100	1.12	0.75	0.27	N/A
'AH'	Sewer	DN525	DN100	7.48	0.75	6.63	N/A
'AI'	SWD	DN375	DN100	1.27	0.75	0.42	N/A

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	AMENDMENT DESCRIPTION	BY	DATE



- EASEMENT FOR DRAINAGE 1.5 WIDE
- * DRIVEWAY
- SUBSTATION
- ⊕ TAPPING INSERTED INTO EXISTING MAIN
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WORK AS CONSTRUCTED CERTIFICATION

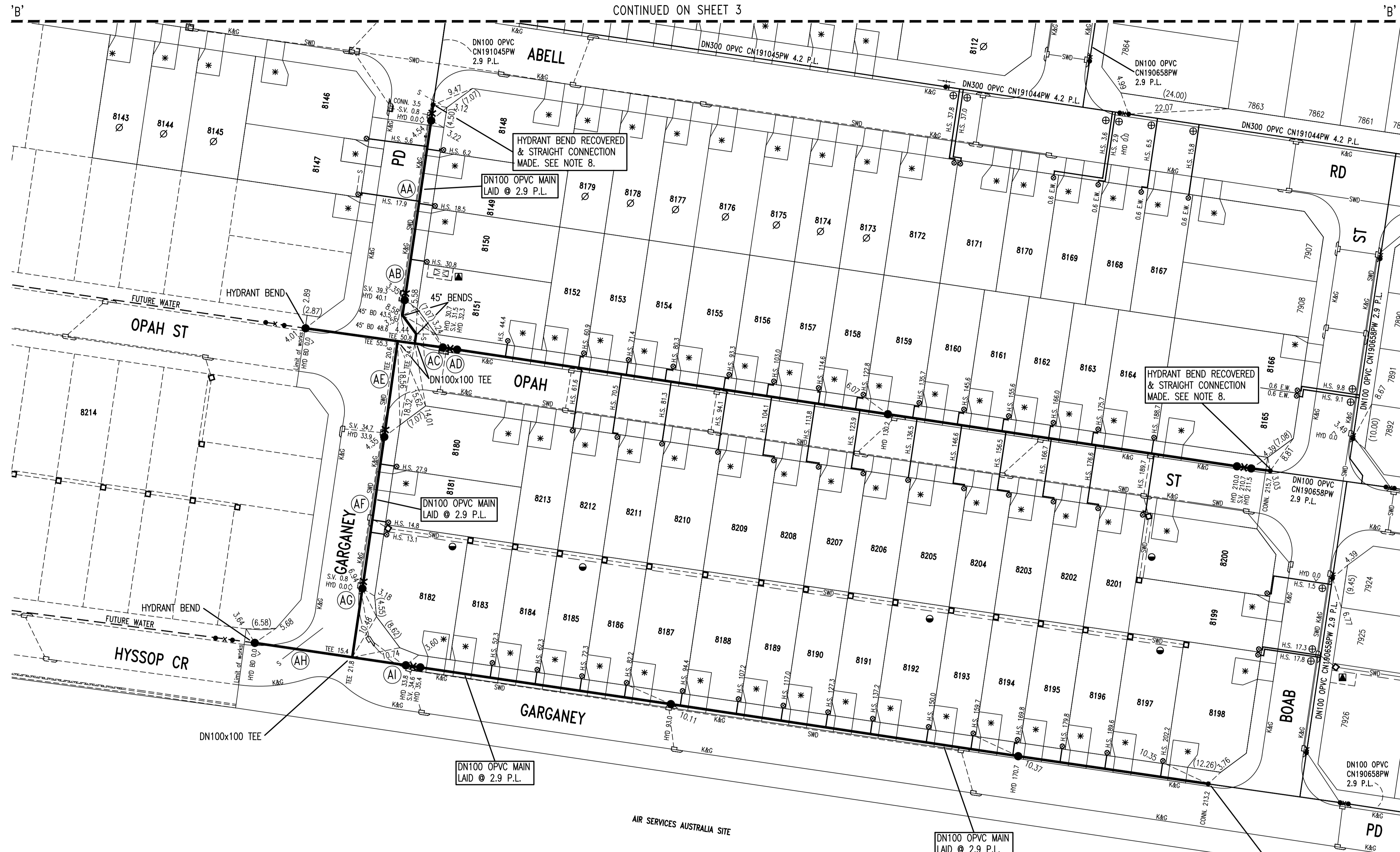
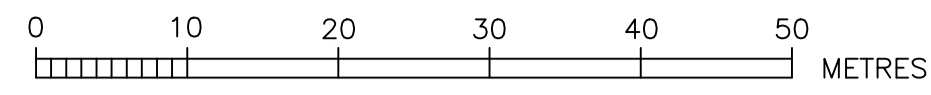
DEVELOPER: WOORONG PARK PTY LTD
 W.S.C.: QALCHEK PTY LTD
 CONSTRUCTOR: G.J. DOYLE
 COMPLETED: 27.10.2022
 W.A.C. PREPARED: 14.11.2022

DESIGNER: QALCHEK PTY LTD

I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS

Sydney WATER SYDNEY WATER CORPORATION
 Case No. 1906986PW SHT 3 OF 5 SHTS.
 FOR DETAILS OF SERVICES SEE SHEET 1

DESIGNED: F.J. DRAFTED: J.V. VERIFIED: D.L. REVIEWED: D.L. APPROVED: D.L. ISSUED: 14.11.2022



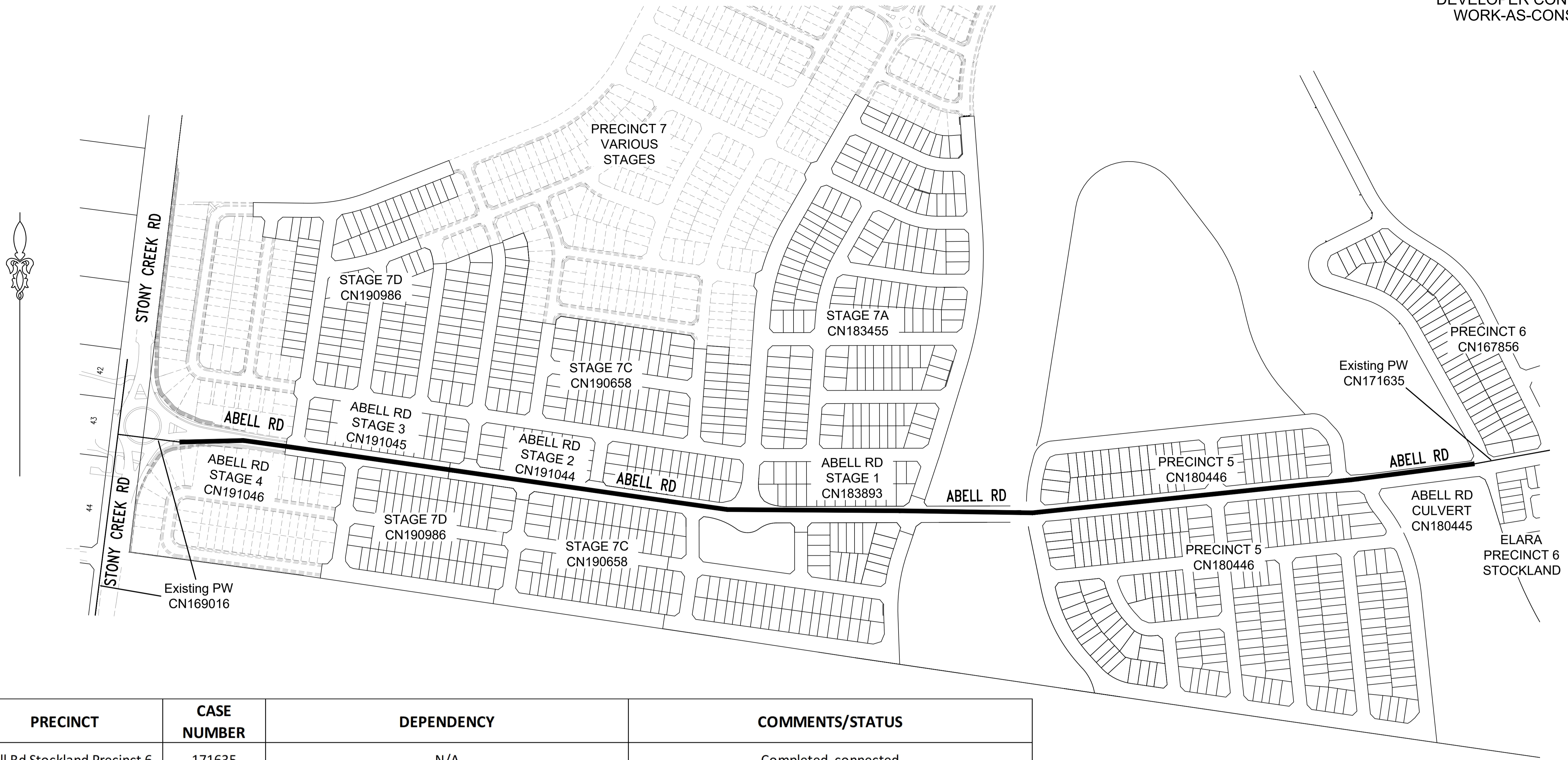
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DEVELOPER	WOORONG PARK PTY LTD	 Sydney WATER Case No. 190986PW SHT 4 OF 5 SHTS.	
W.S.C.	QALCHEK PTY LTD		
CONSTRUCTOR	C.J. DOYLE		
COMPLETED	27.10.2022		
W.A.C. PREPARED	14.11.2022	SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1	



PRECINCT	CASE NUMBER	DEPENDENCY	COMMENTS/STATUS
Abell Rd Stockland Precinct 6	171635	N/A	Completed, connected
Abell Rd Culvert Crossing	180445	N/A	Completed, connected
Precinct 5	180446	180445	Connected 21.06.2021
Abell Rd Stage 1	183893	180445, 180446	Going through SWC Review process as of 13.07.2021
Winten Stage 7A	183455	18393, 180445, 180446	Under Construction
Winten Stage 7C	190658	180445, 183455, 18393, 180446	Design Endorsed by SWC
Winten Stage 7D	190986	180445, 183455, 18393, 180447, 190658, 191044, 191045	Current CN as of PW design (05.06.2021)
Abell Rd Stage 2	191044	18393, 180445, 180446	Design Submitted to SWC for Endorsement
Abell Rd Stage 3	191045	18393, 180445, 180446, 191044	Design not started, Civil Construction Commencing October 2021, concluding June 2022
Abell Rd Stage 4	191046	18393, 180445, 180446, 191044, 191045	Design not started, Civil Construction Commencing December 2021, concluding September 2024
Stony Creek Rd Upgrade	169016	N/A	Completed, connected

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