

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/- 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
  - THE SYDNEY WATER TECHNICAL SPECIFICATION - CIVIL VERSION 9.0
  - THE SYDNEY WATER TECHNICAL SPECIFICATION - MECHANICAL VERSION 11.0.
- MAINS LAID GENERALLY 2.9 P.L. AND AS SHOWN AT STANDARD DEPTH BELOW KERB INVERT 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-P7E and Abell Road-BASE FOR SERVICE DESIGN.dwg (SUPPLIED 21.01.22 BY JWP)
  - SURFACE INFORMATION: Design Precinct 7 triangles 211012.dwg (SUPPLIED 21.01.22 BY JWP)
  - SWD INFORMATION SUBDIVISION: Drainage LS SYSTEM A & B.dwg (SUPPLIED 21.01.22 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 20:1 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 95%. 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:

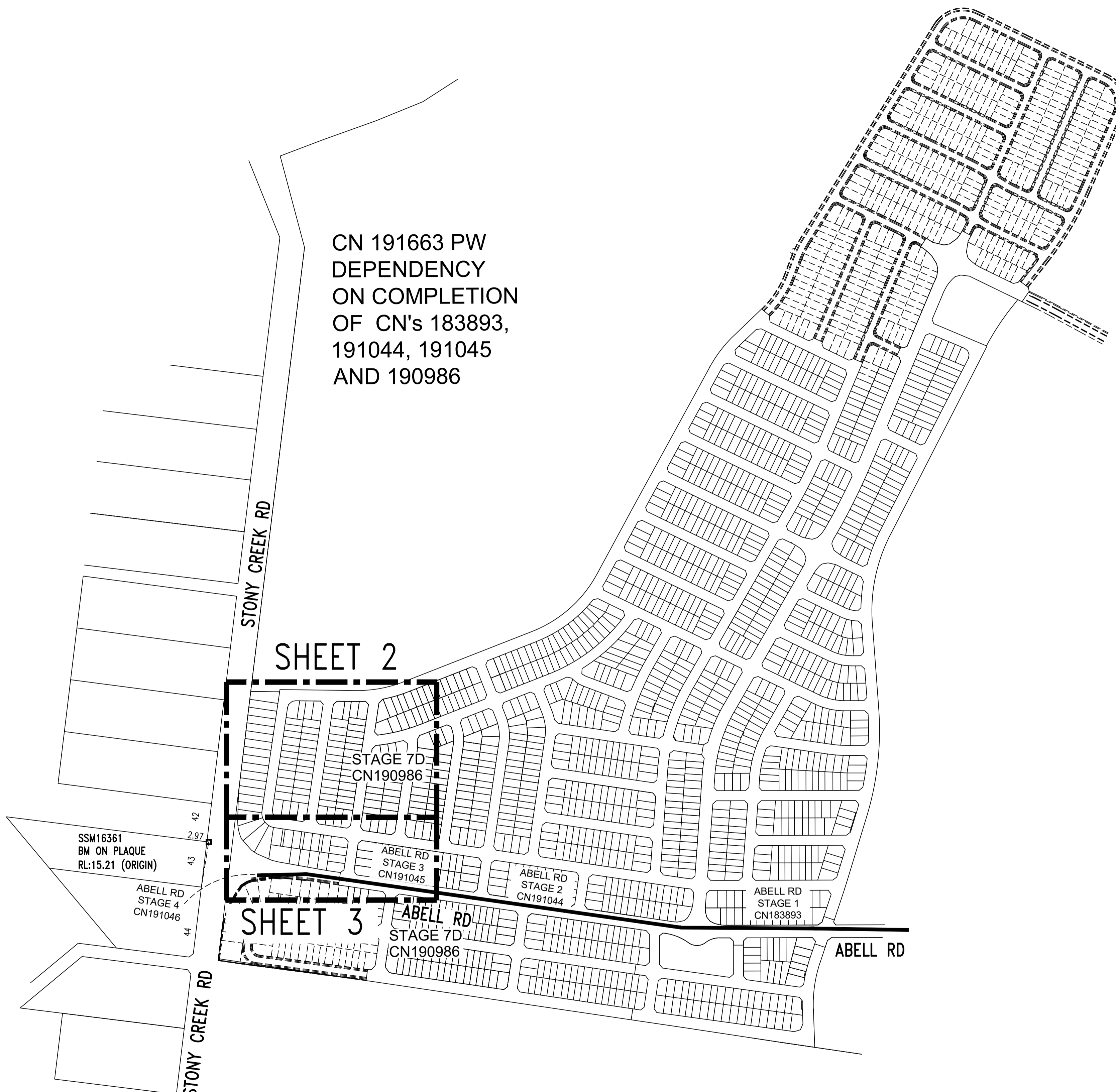
PIPE EMBEDMENT ZONE: 0 TESTS CONDUCTED (LETTER PROVIDED)

TRENCH FILL ZONE (TRAFFICABLE): 24 TESTS CONDUCTED

TRENCH FILL ZONE PROPERTY SERVICES: 17 TESTS CONDUCTED

COMPACTION TESTS - TOTAL: 41 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 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 08.08.14
- BULKHEADS WERE CONSTRUCTED AT EACH KERB CROSSING TO WAT-1209.

CN 191663 PW  
DEPENDENCY  
ON COMPLETION  
OF CN's 183893,  
191044, 191045  
AND 190986



SHEET 2

SHEET 3

LOCALITY PLAN & BENCHMARK DIAGRAM

(NOT TO SCALE)

|     |                                 |      |          |
|-----|---------------------------------|------|----------|
| 1   | WORK AS CONSTRUCTED             | J.V. | 25.10.23 |
| C   | ADDITIONAL TAPPING FOR LOT 8326 | FJ   | 16.07.22 |
| B   | ISSUE FOR APPROVAL              | FJ   | 28.03.22 |
| A   | LAYOUT FOR CLIENT               | FJ   | 28.01.22 |
| No. | AMENDMENT DESCRIPTION           | BY   | DATE     |

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. 1100

ELECTRICITY Ph. 132 092

GAS Ph. 132 092

TELECOMMUNICATIONS Ph. 132 092

SYDNEY WATER Ph. 132 092

GIVING AT LEAST 48 HOURS NOTICE.

| UTILITIES           |          |          |  |
|---------------------|----------|----------|--|
| TYPE                | DATE     | REF.     |  |
| EXIST. SEWER: S     | 26.03.22 | DESIGN   |  |
| NEW SEWER: S        | 26.03.22 | DESIGN   |  |
| STORMWATER: SWD     | 21.01.22 | ENG.PLAN |  |
| NEW STORMWATER: SWD | 21.01.22 | ENG.PLAN |  |
| SSM 16361 (ORIGIN)  | 05.05.21 | SCMS     |  |

| WORK AS CONSTRUCTED CERTIFICATION |  |                 |            |
|-----------------------------------|--|-----------------|------------|
| DEVELOPER                         | WOORONG PARK PTY LTD                   |                 |            |
| WATER SERVICE CO-ORDINATOR        | QALCHEK PTY LTD                        |                 |            |
| CONSTRUCTOR                       | C.J. DOYLE CONTRACTING SERVICE PTY LTD |                 |            |
| COMPLETED                         | 24.10.2023                             | W.A.C. PREPARED | 25.10.2023 |
| DESIGNER                          | QALCHEK PTY LTD                        |                 |            |

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  | 558.6  | RRJ                 |       |

DESIGN HEAD, 120 m

BOUNDARY TRAPS REQUIRED.

AUSTRALIAN HEIGHT DATUM

SCALES

PLAN 1:500 SECTION { HOR. . . . . VERT. . . . . }

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.

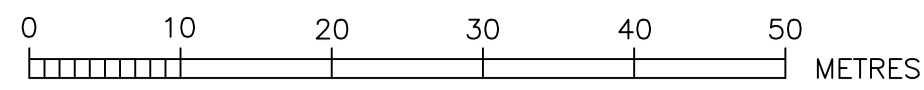
U.B. DIRECTORY . . . . . MAP 126/A/16 45th EDITION

SHEET . 1 . OF . 3 . . . . . File No. N/A

**Sydney WATER** SYDNEY WATER CORPORATION

Case No. 191663PW

WATERMAIN EXTENSION  
ABELL RD AND OTHERS  
MARSDEN PARK BLACKTOWN



CONTINUED ON SHEET 3

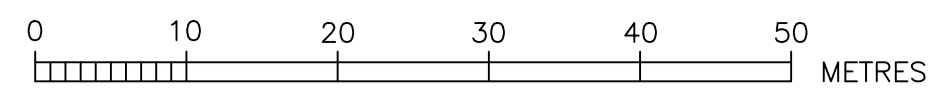
SERVICES CROSSING TABLE - MAIN LAID OVER UNLESS NOTED OTHERWISE

| CROSSING | SERVICE | SERVICE SIZE | PW SIZE | SERVICE COVER (m) | PW COVER (m) | CLEARANCE (m) | COMMENT/DTC |
|----------|---------|--------------|---------|-------------------|--------------|---------------|-------------|
| 'A'      | SWD     | DN825        | DN100   | 1.82              | 0.75         | 0.98          | N/A         |
| 'B'      | Sewer   | DN150        | DN100   | 2.60              | 0.75         | 1.75          | N/A         |

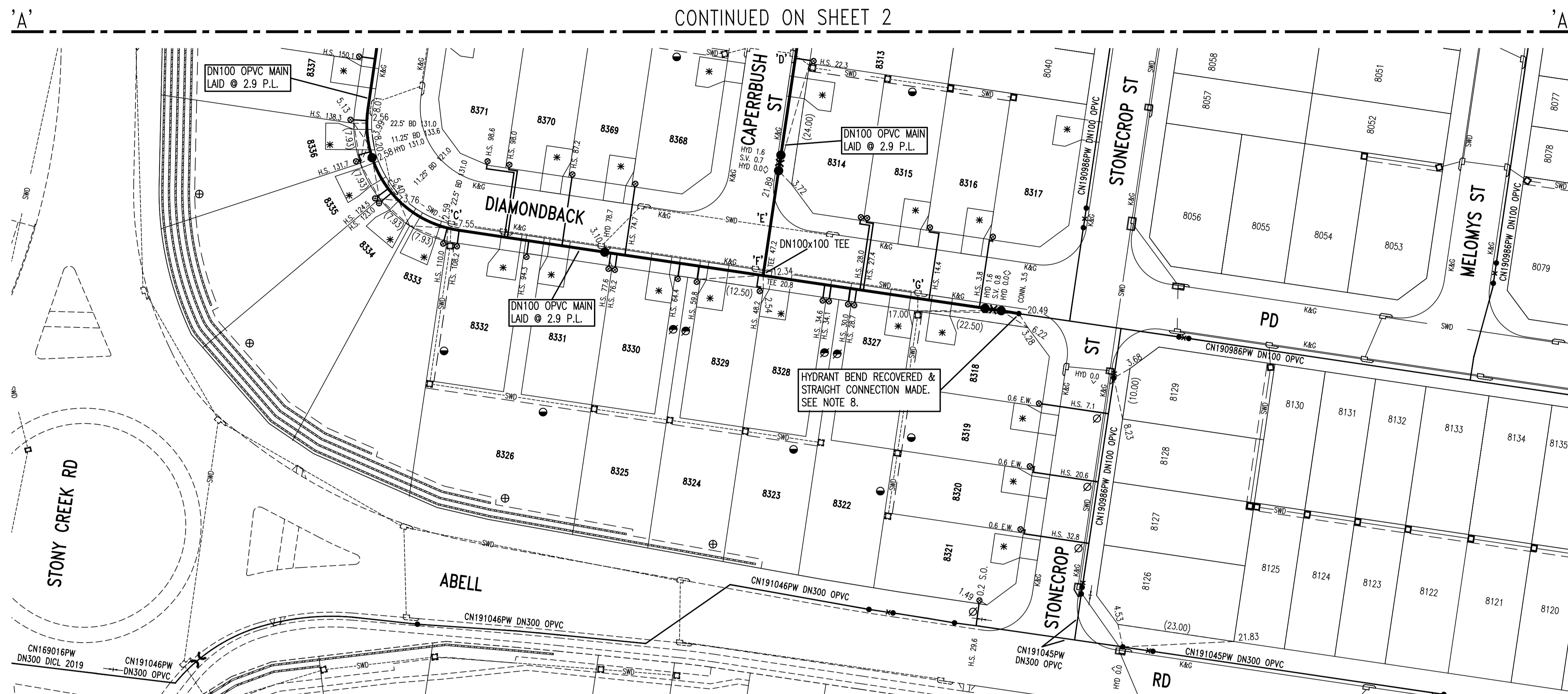
- EASEMENT FOR DRAINAGE 1.5 WIDE
- \* DRIVEWAY
- SUBSTATION
- ⊕ EASEMENT FOR RETAINING WALLS
- ROC & EASEMENT FOR SERVICES
- ⊗ TAPPING INSERTED INTO EXISTING MAIN

|     |                                 |      |          |
|-----|---------------------------------|------|----------|
| 1   | WORK AS CONSTRUCTED             | J.V. | 25.10.23 |
| C   | ADDITIONAL TAPPING FOR LOT 8326 | FJ   | 16.07.22 |
| B   | ISSUE FOR APPROVAL              | FJ   | 28.03.22 |
| A   | LAYOUT FOR CLIENT               | FJ   | 28.01.22 |
| No. | AMENDMENT DESCRIPTION           | BY   | DATE     |

| WORK AS CONSTRUCTED CERTIFICATION  |  | Sydney WATER SYDNEY WATER CORPORATION |              |
|--|--|---------------------------------------|--------------|
| DEVELOPER  | WOORONG PARK PTY LTD                   | Case No.                              | 191663PW     |
| W.S.C.   | QALCHEK PTY LTD                        | SHT                                   | 2 OF 3 SHTS. |
| CONSTRUCTOR  | C.J. DOYLE CONTRACTING SERVICE PTY LTD | COMPLETED 24.10.2023                  |              |
| W.A.C. PREPARED  | 25.10.2023                             | DESIGNER QALCHEK PTY LTD              |              |
| I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS |  | FOR DETAILS OF SERVICES SEE SHEET 1   |              |



CONTINUED ON SHEET 2



SERVICES CROSSING TABLE - MAIN LAID OVER UNLESS NOTED OTHERWISE

| CROSSING | SERVICE | SERVICE SIZE | PW SIZE | SERVICE COVER (m) | PW COVER (m) | CLEARANCE (m) | COMMENT/DTC |
|----------|---------|--------------|---------|-------------------|--------------|---------------|-------------|
| 'C'      | SWD     | DN375        | DN100   | 1.09              | 0.75         | 0.24          | N/A         |
| 'D'      | SWD     | DN375        | DN100   | 1.10              | 0.75         | 0.25          | N/A         |
| 'E'      | SWD     | DN375        | DN100   | 1.14              | 0.75         | 0.29          | N/A         |
| 'F'      | SWD     | DN375        | DN100   | 1.16              | 0.75         | 0.31          | N/A         |
| 'G'      | SWD     | DN375        | DN100   | 1.09              | 0.75         | 0.24          | N/A         |

- EASEMENT FOR DRAINAGE 1.5 WIDE
- \* DRIVEWAY
- SUBSTATION
- ⊕ EASEMENT FOR RETAINING WALLS
- ⊗ ROC & EASEMENT FOR SERVICES
- ⊙ TAPPING INSERTED INTO EXISTING MAIN

| WORK AS CONSTRUCTED CERTIFICATION  |  |
|--|--|
| DEVELOPER  | WOORONG PARK PTY LTD                   |
| W.S.C.   | QALCHEK PTY LTD                        |
| CONSTRUCTOR  | C.J. DOYLE CONTRACTING SERVICE PTY LTD |
| COMPLETED  | 24.10.2023                             |
| W.A.C. PREPARED  | 25.10.2023                             |
| DESIGNER   | QALCHEK PTY LTD                        |
| I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS |  |

|                          |  |                                     |  |
|--------------------------|--|-------------------------------------|--|
| <b>Sydney WATER</b>      |  | SYDNEY WATER CORPORATION            |  |
| Case No.191663PW         |  | SHT 3 OF 3 SHTS.                    |  |
| SYDNEY WATER CORPORATION |  | FOR DETAILS OF SERVICES SEE SHEET 1 |  |

| No. | AMENDMENT DESCRIPTION           | BY   | DATE     |
|-----|---------------------------------|------|----------|
| 1   | WORK AS CONSTRUCTED             | J.V. | 25.10.23 |
| C   | ADDITIONAL TAPPING FOR LOT 8326 | FJ   | 16.07.22 |
| B   | ISSUE FOR APPROVAL              | FJ   | 28.03.22 |
| A   | LAYOUT FOR CLIENT               | FJ   | 28.01.22 |