

- NOTES :-
- 1 WATER SERVICING COORDINATOR: ROSE ATKINS RIMMER (INFRASTRUCTURE) Pty. Ltd.  
SHOP 7 & 8 M CENTRE  
40 STERLING ROAD MINCHINBURY NSW 2770  
Ph: (02) 9853 0200  
  
SURVEY: YUDDALE STRUDWICK AND COMPANY Pty Ltd.  
SUITE 4, 114 HAMPDEN ROAD ARTARMON NSW 2084  
Ph: (02) 9419 8222  
  
FOR: BIRLING ESTATE DEVELOPMENTS Pty. Ltd.  
975 THE NORTHERN ROAD BRINGELLY NSW 2556  
Ph: (02) 4774 6000
  - 2 ALL WORKS & MATERIALS ARE TO BE IN ACCORDANCE WITH THE SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 (SYDNEY WATER EDITION - Version 4 - 2017) AND SYDNEY WATER'S TECHNICAL SPECIFICATION - CIVIL (VERSION 10.0).
  - 3 ALL SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH & SITE CHECK OF ALL EXISTING SERVICES WILL BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORKS.
  - 4 THE CONSTRUCTOR IS TO DETERMINE THE LOCATION & LEVEL OF EXISTING SERVICES WITHIN THE VICINITY OF SEWER WORKS BY POT-HOLING PRIOR TO COMMENCEMENT OF ANY WORKS. THE CONSTRUCTOR IS TO NOTIFY THE DESIGNER SHOULD ANY POTENTIAL CLASHES OCCUR OR IF MINIMUM CLEARANCES IN ACCORDANCE WITH TABLE 4.2 OF THE SEWERAGE CODE OF AUSTRALIA WSA 02-2002-2.2 (SYDNEY WATER EDITION VER 4 2017) CANNOT BE ACHIEVED.
  - 5 ALL SURVEY MARKS ARE PEGS UNLESS OTHERWISE NOTED.
  - 6 THE CONSTRUCTOR SHALL VERIFY ALL EXISTING INVERT LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE REFERRED TO THE DESIGNER IMMEDIATELY PRIOR TO THE COMMENCEMENT OF WORK.
  - 7 TRENCH FILL IN ROAD CARRIAGEWAYS (TO SUBGRADE LEVEL ONLY) TO COMPLY WITH ROAD OWNER'S REQUIREMENTS.
  - 8 ALL STRUCTURES TO BE IN ACCORDANCE WITH MAINTENANCE STRUCTURE SCHEDULE (SHEET 5). SHOULD THE CONSTRUCTOR CHOOSE TO USE A STRUCTURE DIFFERENT TO THAT SHOWN IN THE SCHEDULE, THE W.S.C. MUST BE INFORMED IN WRITING FOR CONSIDERATION.
  - 9 ALL STRUCTURES TO BE CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS. THE CONSTRUCTOR IS TO LIAISE WITH THE SITE SUPERINTENDENT TO VERIFY ALL FINAL LEVELS.
  - 10 PIPES TO BE CONCRETE ENCASED (SUPPORT TYPE 12u TO SEW-1205-V) SHOWN ACCORDINGLY:
  - 11 DRAINAGE LIMITS ARE TO PROPOSED FINISHED SURFACE LEVELS.
  - 12 PROPERTY CONNECTION SEWERS TO BE INSTALLED IN ACCORDANCE WITH SEW-1151-S.
  - 13 SEWER ENDS NOT TO BE BACKFILLED UNTIL LOCATION & INVERT LEVEL HAVE BEEN OBSERVED & APPROVAL TO BACKFILL RECEIVED FROM THE W.S.C.
  - 14 BUILDING OVER/ADJACENT TO SEWER. CONDITIONS APPLY. REFER TO TAP-IN.
  - 15 THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY C2.8.3 OF THE TECHNICAL SPECIFICATION - CIVIL (VERSION 10.0) ARE:  
  
PIPE TRENCH:  
PIPE EMBEDMENT ZONE: NIL TESTS      TRENCH FILL ZONE: 184 TESTS  
(PRE-QUALIFIED - WSA 02 CL 22.3.3.1)      (25 TEST LOCATIONS, 1 TEST/300mm LAYER/50m MAIN)  
  
MAINTENANCE STRUCTURES:  
532 TESTS (2 TESTS / 300mm LAYER WITHIN 300mm OF EACH STRUCTURE)  
  
NOTE: NUMBER OF TESTS REQUIRED BY SYDNEY WATER ACCREDITED FIELD TESTER/PROJECT GEOTECHNICAL ENGINEER MAY VARY BASED ON CHOSEN TEST LOCATIONS AND SITE SPECIFIC REQUIREMENTS. AVERAGE DEPTHS USED IN ABOVE CALCULATIONS.
  - 16 COUNCIL'S TREE PRESERVATION ORDER TO BE STRICTLY ADHERED TO. EXCAVATIONS IN THE VICINITY OF TREES TO BE CARRIED OUT IN ACCORDANCE WITH ARBORIST SPECIFICATIONS AND UNDER THE SUPERVISION OF THE SITE ARBORIST (MANUAL OR HYDRO-EXCAVATION MAY BE REQUIRED).  
NOTE: TREES SHOWN ON PLAN BASED ON THE CLIENT SUPPLIED SURVEY INFORMATION. ALL TREES MAY NOT HAVE BEEN SHOWN.
  - 17 ALL SEWER SETOUT & WORK AS CONSTRUCTED SURVEY TO BE UNDERTAKEN BY A REGISTERED SURVEYOR WITH AN ACCURACY OF +/- 5mm.
  - 18 SYDNEY WATER CONSTRUCTOR SHALL RECORD AS BUILT DATA AS A MARK-UP ON DESIGN PLAN AND PROVIDE TO W.S.C.
  - 19 ALL CONDITIONS CONTAINED IN THE REVIEW OF ENVIRONMENTAL FACTORS (R.E.F.) FOR THIS PROJECT TO BE MET.

**WORKS AS EXECUTED**  
  
**REGISTERED SURVEYOR**  
**DATE 18.12.25 & 25/5/26**  
**YOUDDALE STRUDWICK & CO PTY. LTD.**

**RAR (Infrastructure) Pty Ltd**  
Date: 13 / 02 / 2025  
**ISSUED FOR CONSTRUCTION**

LOCALITY SKETCH

NOT TO SCALE

|     |                                           |      |          |
|-----|-------------------------------------------|------|----------|
| 04  | CATCHMENT ADDED & NEW DTC's UPDATED       | K.G. | 18/12/24 |
| 03  | ISSUE TO SYDNEY WATER                     | K.G. | 17/10/24 |
| 02  | DESIGN REVISED AS PER UPDATED ENGINEERING | K.G. | 8/3/24   |
| 01  | ISSUE FOR TENDER                          | K.G. | 17/11/23 |
| No. | REVISION DESCRIPTION                      | BY   | DATE     |

|                                                                                                                                                                                                                         |                                |          |         |      |      |      |                                   |                            |             |           |                 |          |                                                                                                     |      |      |          |        |                             |                         |                                                       |                                                                                                                                                                                      |                                                          |                                                                                  |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------|---------|------|------|------|-----------------------------------|----------------------------|-------------|-----------|-----------------|----------|-----------------------------------------------------------------------------------------------------|------|------|----------|--------|-----------------------------|-------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------|--------|
| PLAN TO BE READ IN CONJUNCTION<br>WITH CURRENT SYDNEY WATER STANDARDS<br>SYDNEY WATER CORPORATION                                                                                                                       | UTILITIES                      |          |         |      |      |      | WORK AS CONSTRUCTED CERTIFICATION |                            |             |           |                 |          | PIPE SCHEDULE                                                                                       |      |      |          |        |                             | GDA 2020                |                                                       | NO AMENDMENTS ARE TO BE MADE TO THIS PLAN<br>WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN<br>IS NOT NECESSARILY UP TO DATE OR CORRECT AND<br>SYDNEY WATER ACCEPTS NO RESPONSIBILITY. |                                                          | <div><div>Sydney</div><div>WATER</div></div> <div>SYDNEY WATER CORPORATION</div> |        |
|                                                                                                                                                                                                                         | TYPE                           | DATE     | REF.    | TYPE | DATE | REF. | DEVELOPER                         | WATER SERVICE CO-ORDINATOR | CONSTRUCTOR | COMPLETED | W.A.C. PREPARED | DESIGNER | I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS. | SIZE | TYPE | CLASS    | LENGTH | PIPE JOINING METHOD / NOTES | AUSTRALIAN HEIGHT DATUM |                                                       |                                                                                                                                                                                      |                                                          |                                                                                  | SCALES |
|                                                                                                                                                                                                                         | WATER: ---DN100 Water---       | 18/12/24 | RAR     |      |      |      |                                   |                            |             |           |                 |          |                                                                                                     |      | 150  | u.P.V.C. | SN8    | 1108.99                     | R.R.J.                  | PLAN : 1:500 SECTION { HOR. : 1:1000<br>VERT. : 1:250 |                                                                                                                                                                                      | U.B. DIRECTORY : : : : : 284 K4<br>(Version 8.1 Digital) |                                                                                  |        |
|                                                                                                                                                                                                                         | PROP. WATER: ---DN100 Water--- | 18/12/24 | RAR     |      |      |      |                                   |                            |             |           |                 |          |                                                                                                     |      |      |          |        |                             |                         | CROSS SECTIONS : : : : : NATURAL                      |                                                                                                                                                                                      | SHEET 1 OF 6 File No. N/A                                |                                                                                  |        |
|                                                                                                                                                                                                                         | PROP. STORMWATER: ---SMD---    | 18/12/24 | enspire |      |      |      |                                   |                            |             |           |                 |          |                                                                                                     |      |      |          |        |                             |                         | LENGTHS, DEPTHS & LEVELS ARE IN METRES.               |                                                                                                                                                                                      |                                                          |                                                                                  |        |
| PRIOR TO COMMENCEMENT OF EXCAVATION FOR<br>PROPOSED AND EXISTING SERVICES CONTACT -<br>DIAL BEFORE YOU DIG Ph. 1100 -<br>ELECTRICITY Ph. -<br>GAS Ph. -<br>TELECOMMUNICATIONS Ph. -<br>GIVING AT LEAST 48 HOURS NOTICE. |                                |          |         |      |      |      |                                   |                            |             |           |                 |          |                                                                                                     |      |      |          |        |                             |                         |                                                       |                                                                                                                                                                                      |                                                          |                                                                                  |        |

R.A.R. REFERENCE: 8/28144/2

DESIGNED: D.S./K.G.

DRAFTED: K.G.

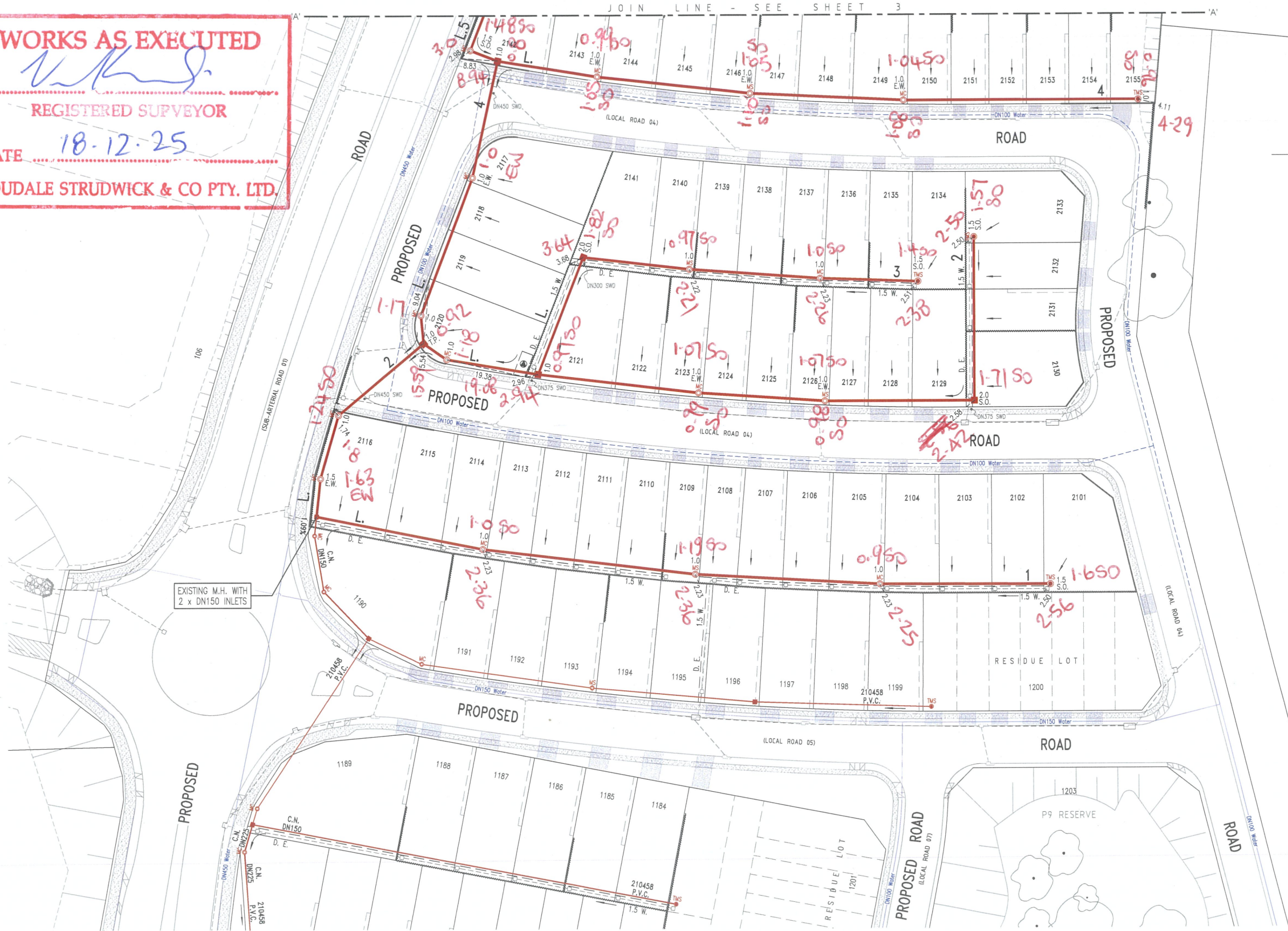
VERIFIED: D.S.

REVIEWED: D.S.

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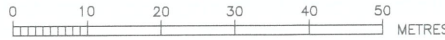
APPROVAL DATE:

**WORKS AS EXECUTED**  
*[Signature]*  
**REGISTERED SUPVEYOR**  
**DATE** 18.12.25  
**YOUDALE STRUDWICK & CO PTY. LTD.**



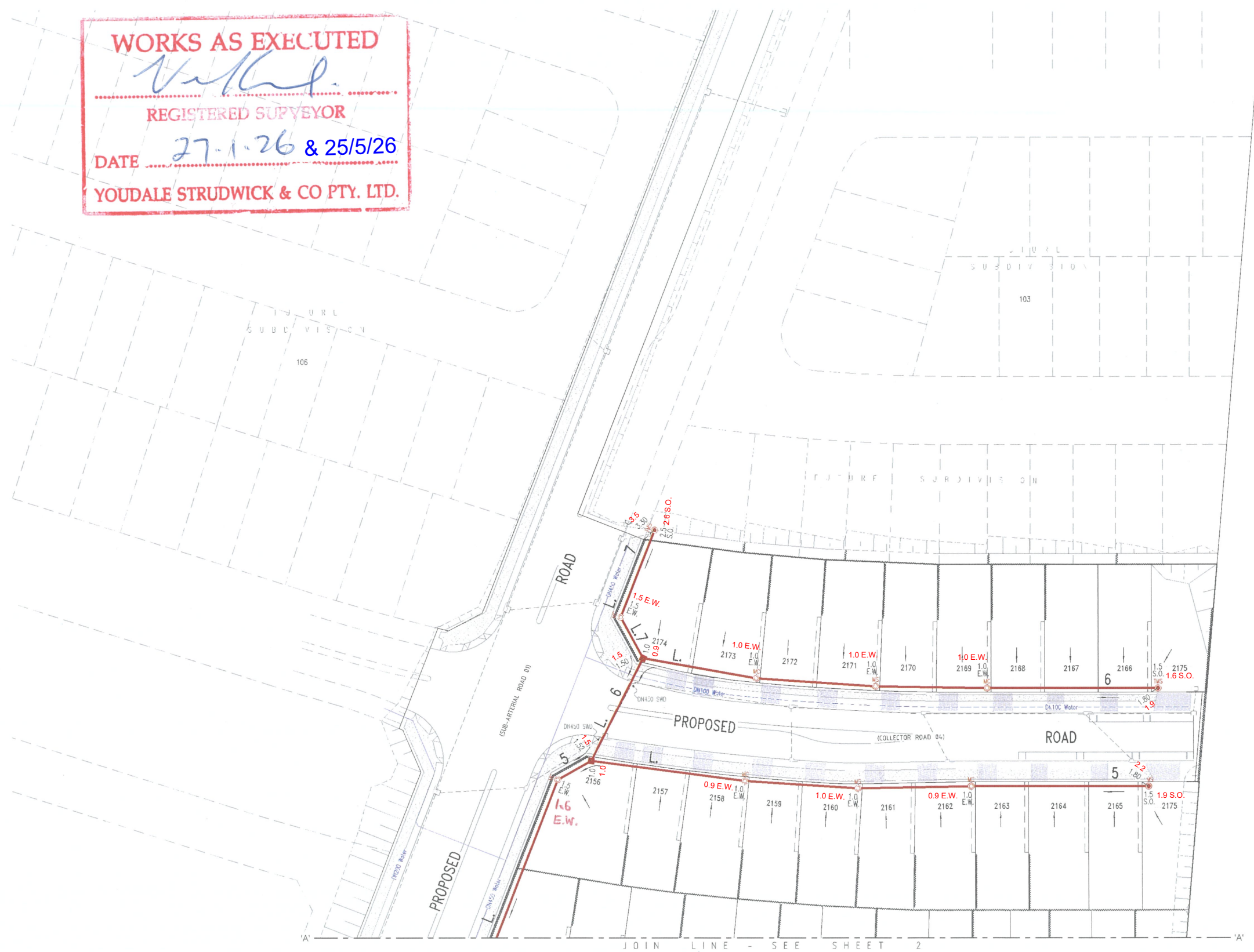
RAR (Infrastructure) Pty Ltd  
Date: 13 / 02 / 2025  
ISSUED FOR CONSTRUCTION  
*[Signature]*

No.1013  
10  
FRONTAGE TO THE NORTHERN ROAD



|                                                                                                    |  |                                                                                    |  |                          |  |
|----------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|--|--------------------------|--|
| WORK AS CONSTRUCTED CERTIFICATION                                                                  |  | <div><div>Sydney</div><div>WATER</div></div>                                       |  | SYDNEY WATER CORPORATION |  |
| DEVELOPER                                                                                          |  | Case No. 210459ww                                                                  |  | SHT 2 OF 6 SHTS.         |  |
| W.S.C.                                                                                             |  |                                                                                    |  |                          |  |
| CONSTRUCTOR                                                                                        |  |                                                                                    |  |                          |  |
| COMPLETED                                                                                          |  | <div>SYDNEY WATER CORPORATION</div> <div>FOR DETAILS OF SERVICES SEE SHEET 1</div> |  |                          |  |
| W.A.C. PREPARED                                                                                    |  |                                                                                    |  |                          |  |
| DESIGNER                                                                                           |  |                                                                                    |  |                          |  |
| I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS |  |                                                                                    |  |                          |  |

**WORKS AS EXECUTED**  
*[Signature]*  
REGISTERED SURVEYOR  
DATE 27-1-26 & 25/5/26  
YOU DALE STRUDWICK & CO PTY. LTD.



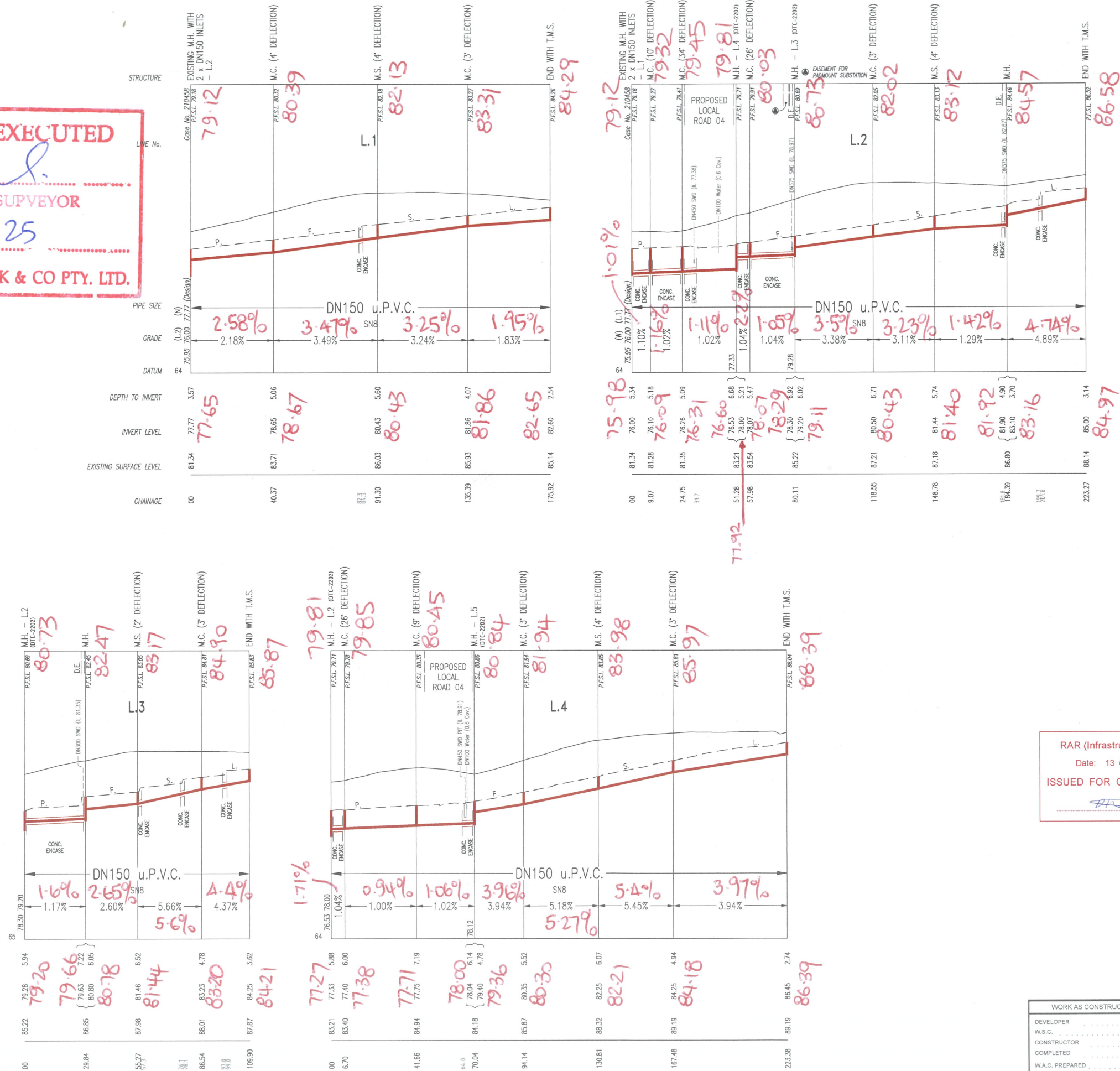
No. 1015  
11  
FRONTAGE TO THE NORTHERN ROAD

RAR (Infrastructure) Pty Ltd  
Date: 13 / 02 / 2025  
ISSUED FOR CONSTRUCTION  
*[Signature]*



|                                                                                                    |  |                                                                                                                |  |
|----------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|
| WORK AS CONSTRUCTED CERTIFICATION                                                                  |  |  SYDNEY WATER CORPORATION |  |
| DEVELOPER                                                                                          |  | Case No. 210459ww                                                                                              |  |
| W.S.C.                                                                                             |  |                                                                                                                |  |
| CONSTRUCTOR                                                                                        |  | SHT 3 OF 6 SHTS.                                                                                               |  |
| COMPLETED                                                                                          |  |                                                                                                                |  |
| W.A.C. PREPARED                                                                                    |  |                                                                                                                |  |
| DESIGNER                                                                                           |  | 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                                                                            |  |

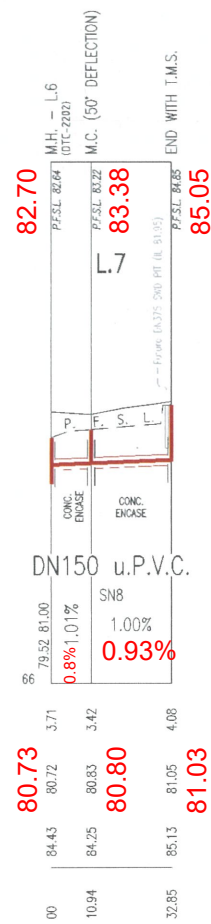
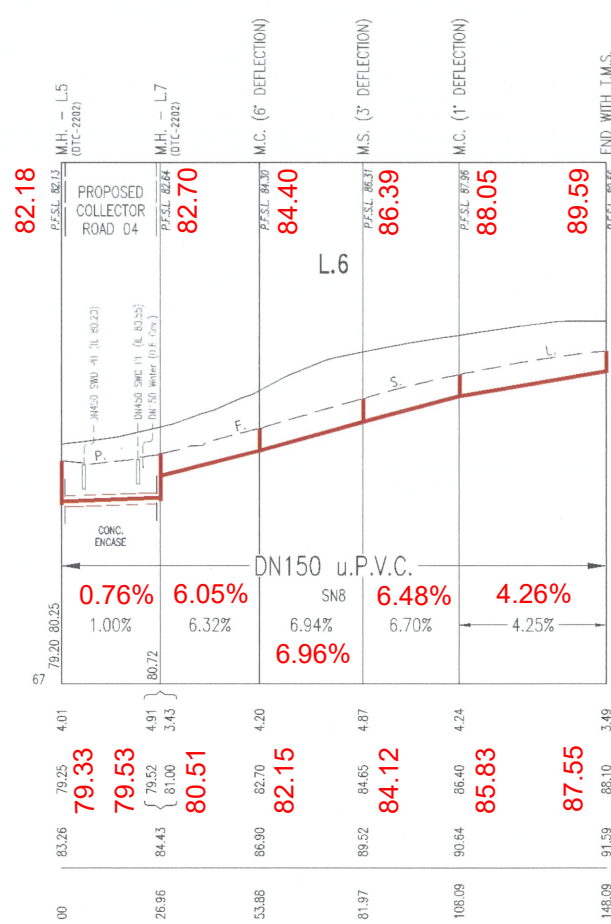
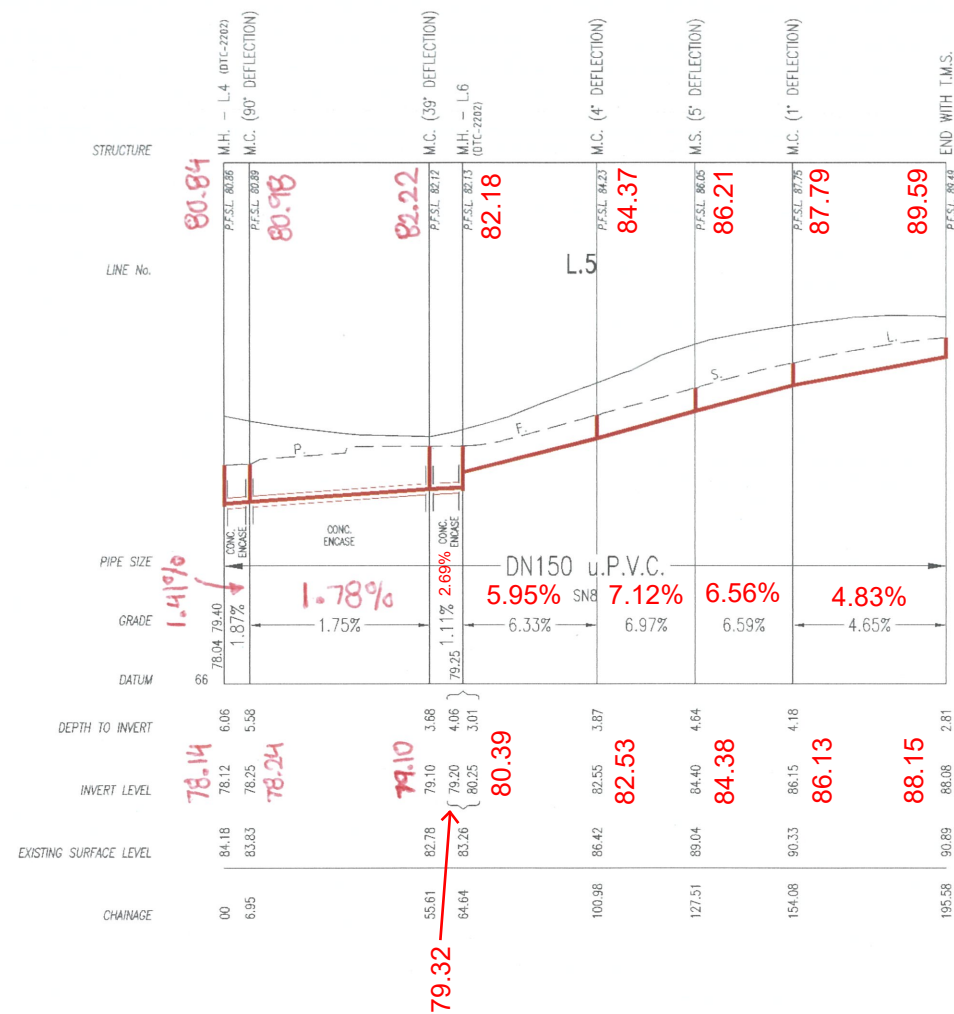
**WORKS AS EXECUTED**  
*V.K.S.*  
**REGISTERED SUPVEYOR**  
 DATE 18.12.25  
**YOU DALE STRUDWICK & CO PTY. LTD.**



RAR (Infrastructure) Pty Ltd  
 Date: 13 / 02 / 2025  
 ISSUED FOR CONSTRUCTION

STAGE 2  
**BIRLING**

| WORK AS CONSTRUCTED CERTIFICATION |           | Sydney WATER                        |                  |
|-----------------------------------|-----------|-------------------------------------|------------------|
| DEVELOPER                         | W.S.C.    | Case No. 210459ww                   | SHT 4 OF 6 SHTS. |
| CONSTRUCTOR                       | COMPLETED | SYDNEY WATER CORPORATION            |                  |
| W.A.C. PREPARED                   | DESIGNER  | FOR DETAILS OF SERVICES SEE SHEET 1 |                  |



RAR (Infrastructure) Pty Ltd  
Date: 13 / 02 / 2025  
ISSUED FOR CONSTRUCTION

MAINTENANCE STRUCTURE SCHEDULE  
(REFER NOTE B & MAINTENANCE SHAFT NOTES BELOW)

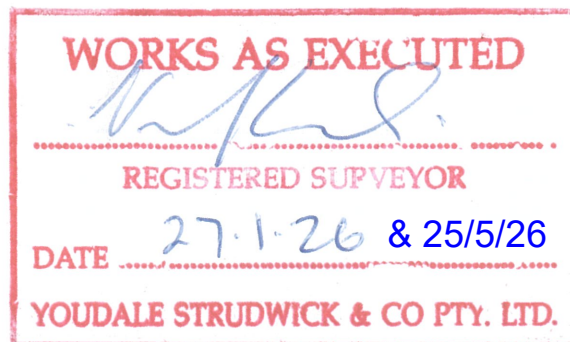
| LINE NO. | CHAINAGE         | STRUCTURE | DN RISER | CLASS OF COVER | MATERIAL     | COMMENTS                                                                             |
|----------|------------------|-----------|----------|----------------|--------------|--------------------------------------------------------------------------------------|
| 1        | 40.37            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 1        | 91.30            | M.S.      | 300      | B              | PVC-U        | M.S. WITH NO CROSSFALL. REFER SEW-1315-V                                             |
| 1        | 135.39           | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 1        | 175.92           | T.M.S.    | 300      | B              | PVC-U        | -                                                                                    |
| 2        | 9.07             | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 2        | 24.75            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 2        | 51.28 (L.4 Ch00) | M.H.      | 1200     | D              | CAST IN-SITU | M.H. TO DTC-2202(F) (31/7/24) WITH 2 x EXTERNAL DROP INLETS TO DTC-2221(D) (31/7/24) |
| 2        | 57.98            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 2        | 80.11 (L.3 Ch00) | M.H.      | 1200     | D              | CAST IN-SITU | M.H. TO DTC-2202(F) (31/7/24) WITH 2 x EXTERNAL DROP INLETS TO DTC-2221(D) (31/7/24) |
| 2        | 118.55           | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 2        | 148.78           | M.S.      | 300      | B              | PVC-U        | M.S. WITH NO CROSSFALL. REFER SEW-1315-V                                             |
| 2        | 184.39           | M.H.      | 1050     | B              | CAST IN-SITU | DTC-2203(C) (31/7/24) WITH EXTERNAL DROP INLET TO DTC-2221(D) (31/7/24)              |
| 2        | 223.27           | T.M.S.    | 300      | B              | PVC-U        | -                                                                                    |
| 3        | 29.84            | M.H.      | 1050     | B              | CAST IN-SITU | DTC-2203(C) (31/7/24) WITH EXTERNAL DROP INLET TO DTC-2221(D) (31/7/24)              |
| 3        | 55.27            | M.S.      | 300      | B              | PVC-U        | M.S. WITH NO CROSSFALL. REFER SEW-1315-V                                             |
| 3        | 86.54            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 3        | 109.90           | T.M.S.    | 300      | B              | PVC-U        | -                                                                                    |
| 4        | 6.70             | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 4        | 41.66            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 4        | 70.04 (L.5 Ch00) | M.H.      | 1200     | D              | CAST IN-SITU | M.H. TO DTC-2202(F) (31/7/24) WITH EXTERNAL DROP INLET TO DTC-2221(D) (31/7/24)      |
| 4        | 94.14            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 4        | 130.81           | M.S.      | 300      | B              | PVC-U        | M.S. WITH NO CROSSFALL. REFER SEW-1315-V                                             |
| 4        | 167.48           | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 4        | 223.38           | T.M.S.    | 300      | B              | PVC-U        | -                                                                                    |

MAINTENANCE STRUCTURE SCHEDULE  
(REFER NOTE B & MAINTENANCE SHAFT NOTES BELOW)

| LINE NO. | CHAINAGE         | STRUCTURE | DN RISER | CLASS OF COVER | MATERIAL     | COMMENTS                                                                             |
|----------|------------------|-----------|----------|----------------|--------------|--------------------------------------------------------------------------------------|
| 5        | 6.95             | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 5        | 55.61            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 5        | 64.64 (L.6 Ch00) | M.H.      | 1200     | D              | CAST IN-SITU | M.H. TO DTC-2202(F) (31/7/24) WITH EXTERNAL DROP INLET TO DTC-2221(D) (31/7/24)      |
| 5        | 100.98           | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 5        | 127.51           | M.S.      | 300      | B              | PVC-U        | M.S. WITH NO CROSSFALL. REFER SEW-1315-V                                             |
| 5        | 154.08           | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 5        | 195.58           | T.M.S.    | 300      | D              | PVC-U        | -                                                                                    |
| 6        | 26.96 (L.7 Ch00) | M.H.      | 1200     | D              | CAST IN-SITU | M.H. TO DTC-2202(F) (31/7/24) WITH 2 x EXTERNAL DROP INLETS TO DTC-2221(D) (31/7/24) |
| 6        | 53.88            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 6        | 81.97            | M.S.      | 300      | B              | PVC-U        | M.S. WITH NO CROSSFALL. REFER SEW-1315-V                                             |
| 6        | 108.09           | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 6        | 148.09           | T.M.S.    | 300      | D              | PVC-U        | -                                                                                    |
| 7        | 10.94            | M.C.      | 600      | B              | PE           | MAINTENANCE CHAMBER                                                                  |
| 7        | 32.85            | T.M.S.    | 300      | B              | PVC-U        | -                                                                                    |

MAINTENANCE SHAFT NOTES:

- i) MAINTENANCE SHAFTS WITH 0° DEFLECTIONS TO BE IN ACCORDANCE WITH SEW-1314-V.
- ii) MAINTENANCE SHAFTS WITH 1°-5° DEFLECTIONS TO BE IN ACCORDANCE WITH SEW-1315-V.



STAGE 2  
BIRLING

|                                                                                                  |  |                                     |                 |                          |  |
|--------------------------------------------------------------------------------------------------|--|-------------------------------------|-----------------|--------------------------|--|
| WORK AS CONSTRUCTED CERTIFICATION                                                                |  | <div>Sydney<br/>WATER</div>         |                 | SYDNEY WATER CORPORATION |  |
| DEVELOPER                                                                                        |  | Case No. 210459ww                   | SHT 5 OF 6 SHTS |                          |  |
| W.S.C.                                                                                           |  |                                     |                 |                          |  |
| CONSTRUCTOR                                                                                      |  |                                     |                 |                          |  |
| COMPLETED                                                                                        |  |                                     |                 |                          |  |
| W.A.C. PREPARED                                                                                  |  |                                     |                 |                          |  |
| DESIGNER                                                                                         |  | SYDNEY WATER CORPORATION            |                 |                          |  |
| I CERTIFY THAT THE WORK HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS |  | FOR DETAILS OF SERVICES SEE SHEET 1 |                 |                          |  |