

NOTES :

1. WATER SERVICING COORDINATOR, DESIGNER:
CALIBRE PROFESSIONAL SERVICES PTY LTD
P.O. BOX 8300 NORTH WEST NSW 2153
Ph: (02) 8808 5000

FOR:
LAVISH CONSTRUCTION AND DEVELOPMENTS PTY LTD
3/16 WELD ST, PRESTONS, NSW, 2170
Ph: 0415 891 481
 2. THE WORKS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE SEWERAGE CODE OF AUSTRALIA SYDNEY WATER EDITION, VERSION 4-2017 (WSA 02-2002-2.2).
 3. ALL LOTS WERE VACANT AT TIME OF SURVEY.
 4. ALL STRUCTURES TO BE CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS, AS THE P.F.S.L.'S SHOWN ON THIS PLAN MAY BE SUBJECT TO CHANGE, THE CONSTRUCTOR IS TO LIAISE WITH THE SITE SUPERINTENDENT TO VERIFY ALL FINAL LEVELS AT TIME OF CONSTRUCTION.
 5. PIPES TO BE CONCRETE ENCASED SHOWN ACCORDINGLY: ALL ENCASED SUPPORT TYPE 12U
 6. AREAS HATCHED THUS NOT DRAINED:
 7. DRAINAGE LIMITS ARE TO PROPOSED FINISHED SURFACE LEVELS.
 8. ALL EXISTING, PROPOSED AND FUTURE ROAD CROSSINGS TO BE BACKFILLED WITH 14:1 CEMENT STABILISED SAND.
 9. CONCRETE BULKHEADS TO BE CONSTRUCTED AT REAR OF KERB FOR ALL ROAD CROSSINGS. REFER STD DWG. SEW-1206 & SEW-1207-V.
 10. ALL LEVELS ELECTRONICALLY GENERATED. NO LEVEL BOOK AVAILABLE.
 11. EXISTING AND PROPOSED SERVICES ARE INDICATIVE ONLY. CURRENT SERVICES SEARCH & SITE CHECK OF ALL EXISTING & PROPOSED SERVICES WILL BE NECESSARY PRIOR TO THE COMMENCEMENT OF WORK & APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE NEED TO BE TAKEN BY THE CONSTRUCTOR WHEN WORKING IN CLOSE PROXIMITY TO SERVICES DURING CONSTRUCTION AND ANY DAMAGE TO EXISTING SERVICES IS TO BE RECTIFIED AT THE CONSTRUCTORS EXPENSE.
 12. THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY THE SEWERAGE CODE OF AUSTRALIA (CLAUSE 22.3.4.4) ARE:

PIPE EMBEDMENT ZONE: - NIL
(SEE NOTE 18)

TRENCH FILL ZONE - TRAFFICABLE: NIL (SEE NOTE 8)
TRENCH FILL ZONE - NON-TRAFFICABLE: 26
M.H. & M.S. ZONE: 24
 13. ALL PROPERTY CONNECTION SEWERS TO BE CONSTRUCTED AS DETAILED IN DTC-2120 (Iss. A, 18/03/15).
 14. PRECAUTIONS ARE NECESSARY IN THE VICINITY OF SUB-STATION & OTHER ELECTRICAL EARTHING.
 15. CONSTRUCTOR TO PROVIDE WSC WITH CERTIFIED RED MARKED UP WAC DRAWINGS SHOWING ACCURATE DISTANCES OF PCS'S TO CENTRE OF DOWNSTREAM STRUCTURES, ACCURATE DISTANCE OF PCP ALONG PCS AND CHAINAGES OF CONCRETE ENCASED SECTIONS.
 16. LOCATION OF SEWER LINES TO BE MARKED BY A REGISTERED LAND SURVEYOR PRIOR TO CONSTRUCTION.
 17. INVERT LEVEL AT EXISTING END AT CH00 - L.1 & L.2 TO BE CONFIRMED BY SURVEY PRIOR TO COMMENCEMENT OF CONSTRUCTION. WSC TO BE ADVISED.
 18. EMBEDMENT COMPACTION TESTING SUBJECT TO CLAUSE 22.3.3.1 OF SEWERAGE CODE OF AUSTRALIA. SELF-COMPACTING METAL GRANULAR EMBEDMENT MAY BE USED.
 19. ALL PCS'S TO BE DN100 UPVC AT MINIMUM 1.65% GRADE.
 20. ALL DN1050 M.H.'S ARE TO BE CONSTRUCTED IN ACCORDANCE WITH DTC-2000 (Iss. C, 18/03/15), DTC-2203 (Iss. B, 18/03/15), DTC-2220 (Iss. D, 18/03/15), DTC-2221 (Iss. B, 01/03/13) & DTC-2222 (Iss. C, 18/03/15).
 21. MAINTENANCE CHAMBERS TO BE INSTALLED TO SUPPLIER SPECIFICATIONS. THE DEFLECTION ANGLE (D.A.) FOR EACH MAINTENANCE CHAMBER IS SHOWN ON THE MAINTENANCE STRUCTURE SCHEDULE ON SHEET 2.
 22. SUBSURFACE CONDITIONS, INCLUDING GROUNDWATER, CONTAMINATION, UNRECORDED BURIED MATERIAL OR OBJECTS AND ARCHAEOLOGICAL SIGNIFICANT ITEMS MAY BE ENCOUNTERED DURING CONSTRUCTION, REQUIRING FURTHER ENVIRONMENTAL, GEOTECHNICAL OR ARCHAEOLOGICAL ASSESSMENT AND APPLICATION OF APPROPRIATE CONSTRUCTION METHODS AND STANDARDS.
 23. MINIMUM ALLOWABLE BEARING PRESSURE OF FOUNDATION MATERIAL FOR MAINTENANCE HOLES (0-6m DEPTH TO INVERT) SHALL BE 100KPA. FOUNDATION MATERIAL TO BE INSPECTED BY A SUITABLY EXPERIENCED GEOTECHNICAL ENGINEER PRIOR TO PLACING BLINDING CONCRETE. CERTIFICATION TO BE PROVIDED TO WSC.
 24. ALL MAINTENANCE STRUCTURES LOCATED WITHIN THE ROAD RESERVE & PROPOSED DRIVEWAYS TO BE FITTED WITH CLASS 'D' TRAFFICABLE LID.
 25. MINIMUM CLEARANCES BETWEEN THE PROPOSED SEWER & OTHER UNDERGROUND SERVICES SHALL COMPLY WITH THE SEWERAGE CODE OF AUSTRALIA - WSA 02-2002-2.2 SYDNEY WATER EDITION VERSION 4-2017, TABLE 4.2.
 26. MAPPING DATUM: GDA 2020, MGA ZONE 56
- - P.C.S. TO BE INSTALLED MIN. 0.7m INSIDE PROPERTY BOUNDARY, 0.7m CLEAR OF PROPOSED/FUTURE STRUCTURES.

CONTACT DIAL BEFORE YOU DIG

CONSTRUCTION NOTES:

- THE PROPOSED WORKS AS DETAILED HERE ON MUST BE CONSTRUCTED IN ACCORDANCE WITH:
1. THE SEWERAGE CODE OF AUSTRALIA - WSA 02-2002-2.2 SYDNEY WATER EDITION VERSION 4-2017;
 2. SYDNEY WATER'S DEEMED TO COMPLY DWG DTC-2000 (Iss. C, 18/03/15), DTC-2120 (Iss. A, 18/03/15), DTC-2203 (Iss. B, 18/03/15), DTC-2220 (Iss. D, 18/03/15), DTC-2221 (Iss. B, 01/03/13) & DTC-2222 (Iss. C, 18/03/15).
 3. SYDNEY WATER TECHNICAL SPECIFICATION - CIVIL (VERSION 10.0)
- THE CONSTRUCTOR MUST HAVE A COPY OF THESE DOCUMENTS ON SITE AT ALL TIMES.

285 SIXTH AVENUE,
AUSTRAL

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| 02 | ISSUED FOR SYDNEY WATER APPROVAL | M.W. | 02/12/22 |
| 01 | ISSUED FOR TENDER | M.W. | 02/09/22 |
| 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
ELECTRICITY, ENDEAVOUR ENERGY . . . Ph. 1100 . . .
GAS . . . JEMENA GAS . . . Ph. 131 003 . . .
TELECOMMUNICATIONS . . . TELSTRA . . . Ph. 1800 880 906 . . .
SYDNEY WATER . . . Ph. 1800 114 918 . . .
GIVING AT LEAST 48 HOURS NOTICE.

| UTILITIES | | | |
|------------------------------|----------|---------|-----------------------------|
| TYPE | DATE | REF. | TYPE |
| EXIST WATER: DN100/150 Water | 19/08/22 | SURVEY | PROP WATER: DN150/100 Water |
| GAS: G(MP) | 19/08/22 | DRY | PROP STORMWATER: SWD |
| ELECTRICAL: E | 19/08/22 | DRY | |
| TELSTRA: TEL | 19/08/22 | DRY | |
| NBN: NBN | 19/08/22 | DRY | |
| STORMWATER: SWD | 19/09/22 | TELFORD | |

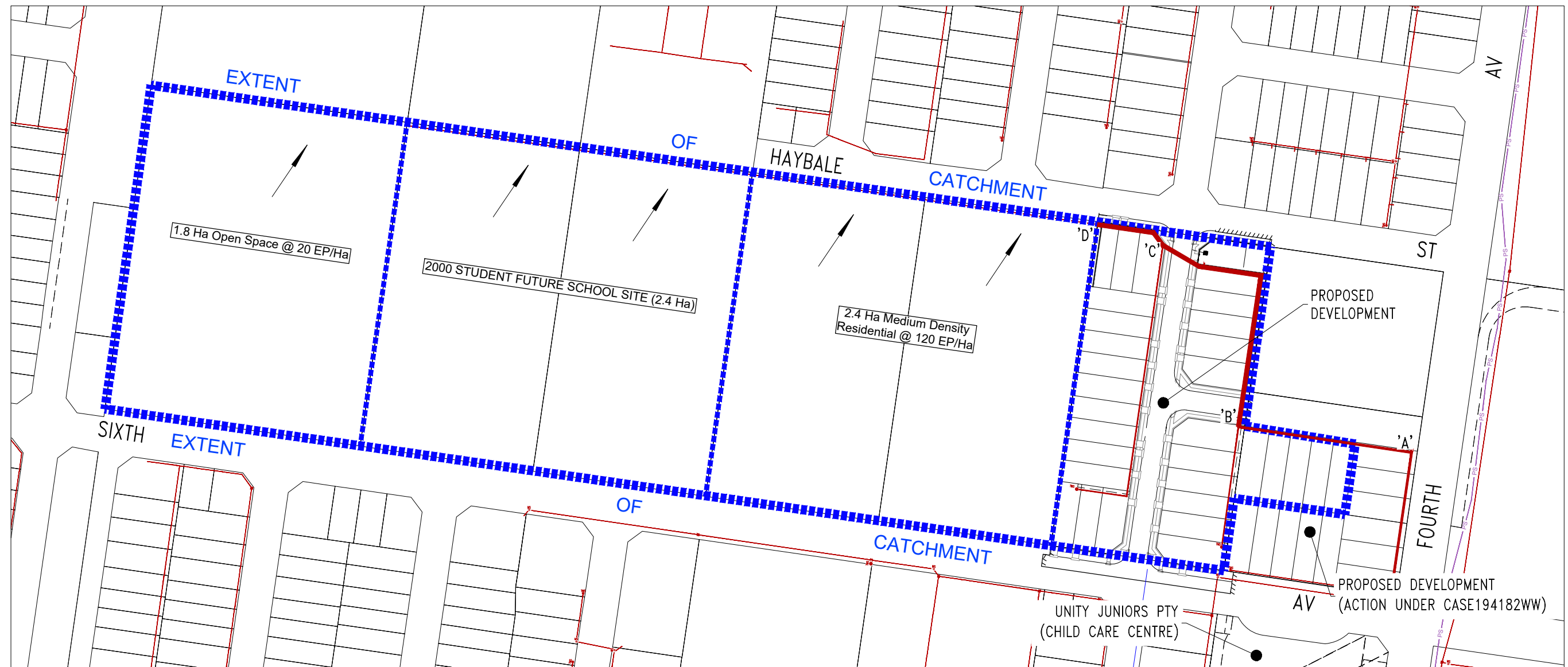
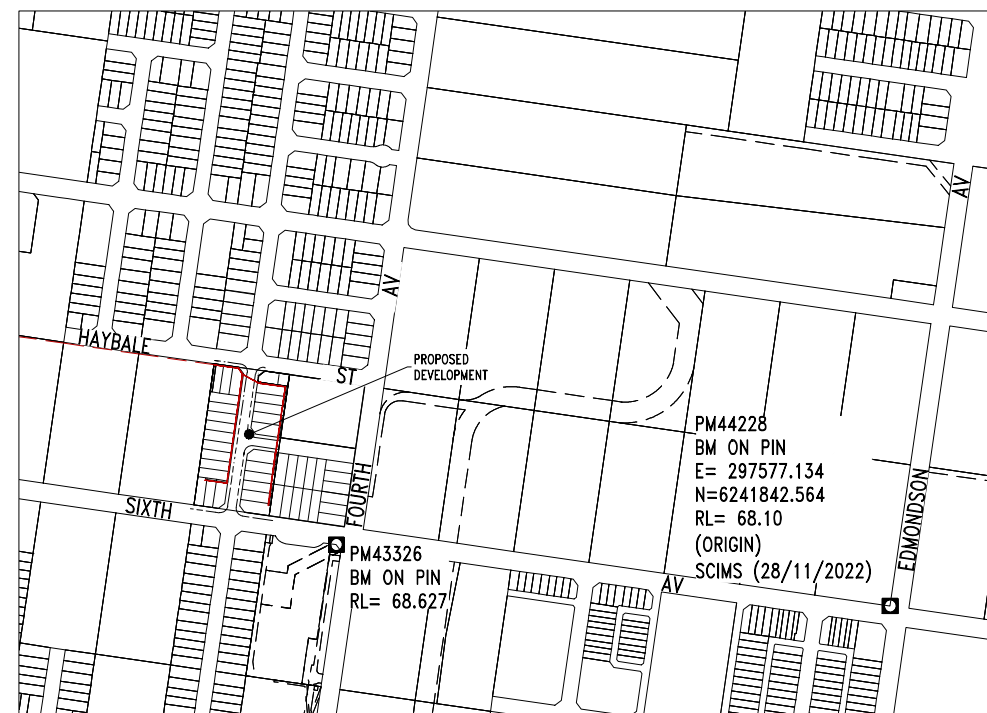
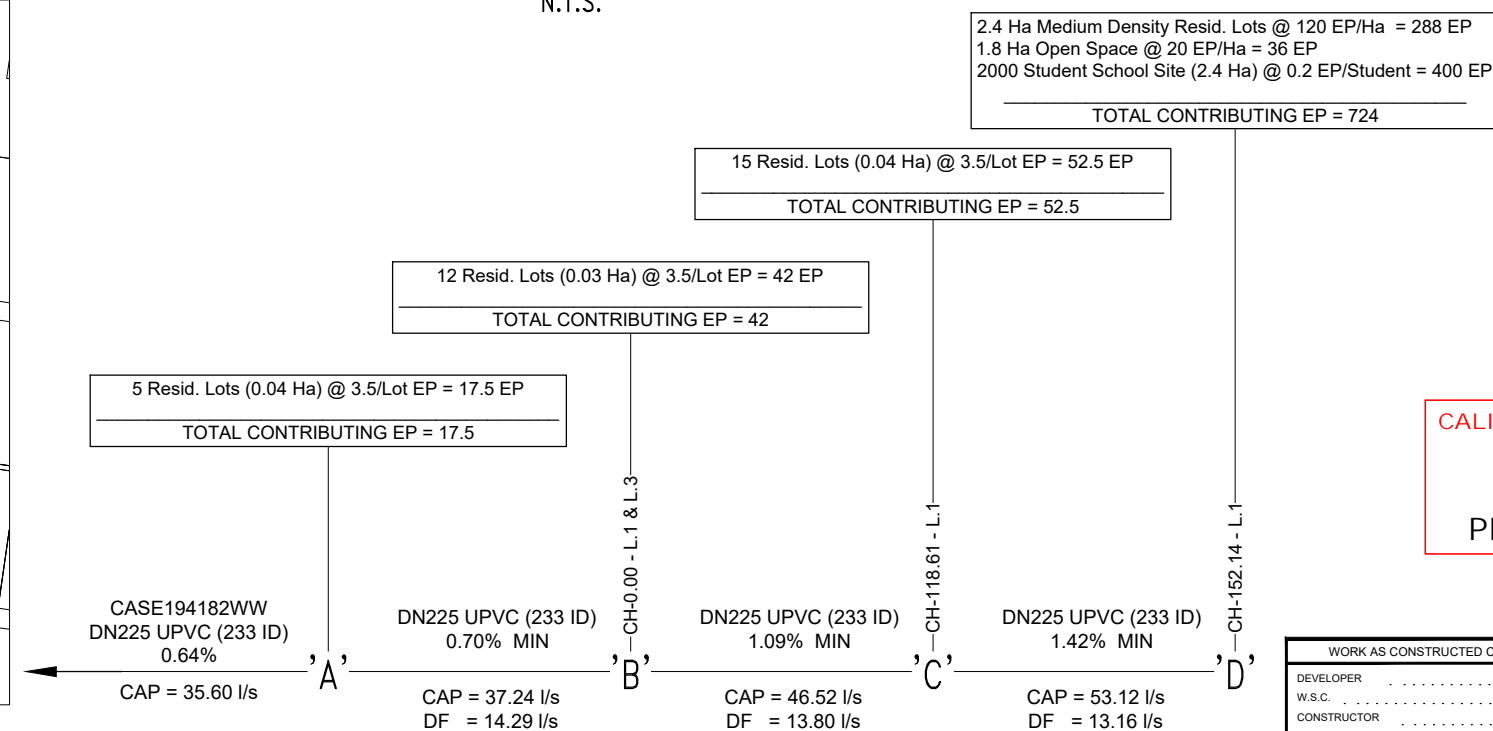
| WORK AS CONSTRUCTED CERTIFICATION | | | |
|-----------------------------------|---|--|--|
| DEVELOPER | WATER SERVICE CO-ORDINATOR | | |
| CONSTRUCTOR | COMPLETED | | |
| DESIGNER | I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS. | | |

| PIPE SCHEDULE | | | |
|-----------------------------|----------|-------|--------|
| SIZE DN | TYPE | CLASS | LENGTH |
| 150 | U.P.V.C. | SN8 | 195.9 |
| 225 | U.P.V.C. | SN8 | 152.1 |
| 100 | U.P.V.C. | SN8 | 2.0 |
| P.C.S. | | | |
| NO BOUNDARY TRAPS REQUIRED. | | | |

| AUSTRALIAN HEIGHT DATUM | |
|---|--------------------------|
| SCALES | |
| PLAN . 1:500 . | SECTION { HOR. . 1:500 . |
| | VERT. . 1:125 . |
| CROSS SECTIONS NATURAL | |
| LENGTHS, DEPTHS & LEVELS ARE IN METRES. | |

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| 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 266, E13 (41st Edition) . . | |
| SHEET . 1 . OF . 3 . | File No. N/A |

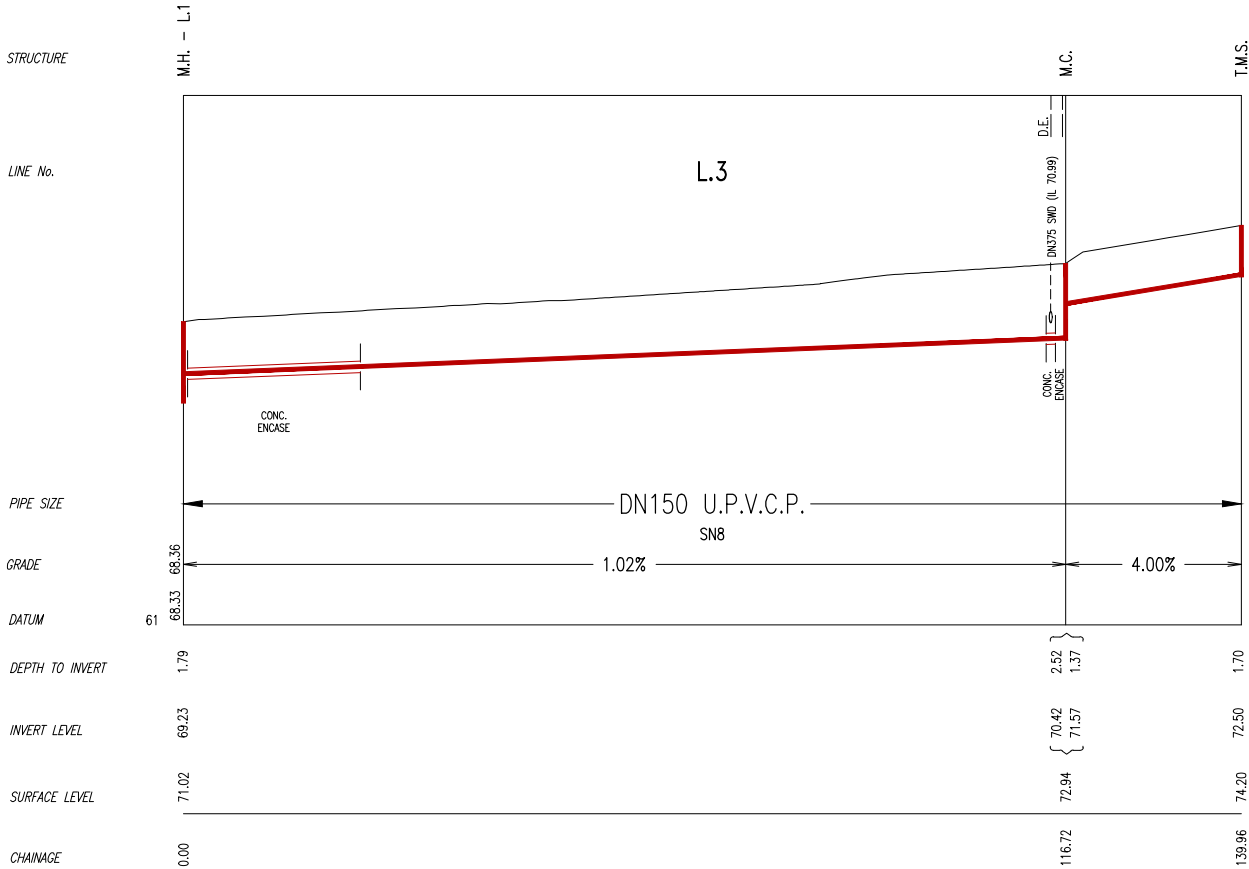
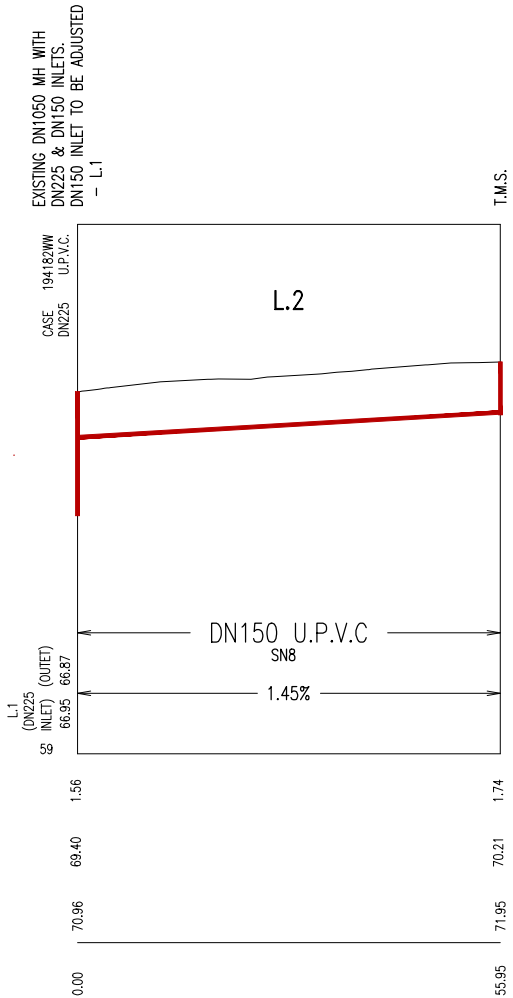
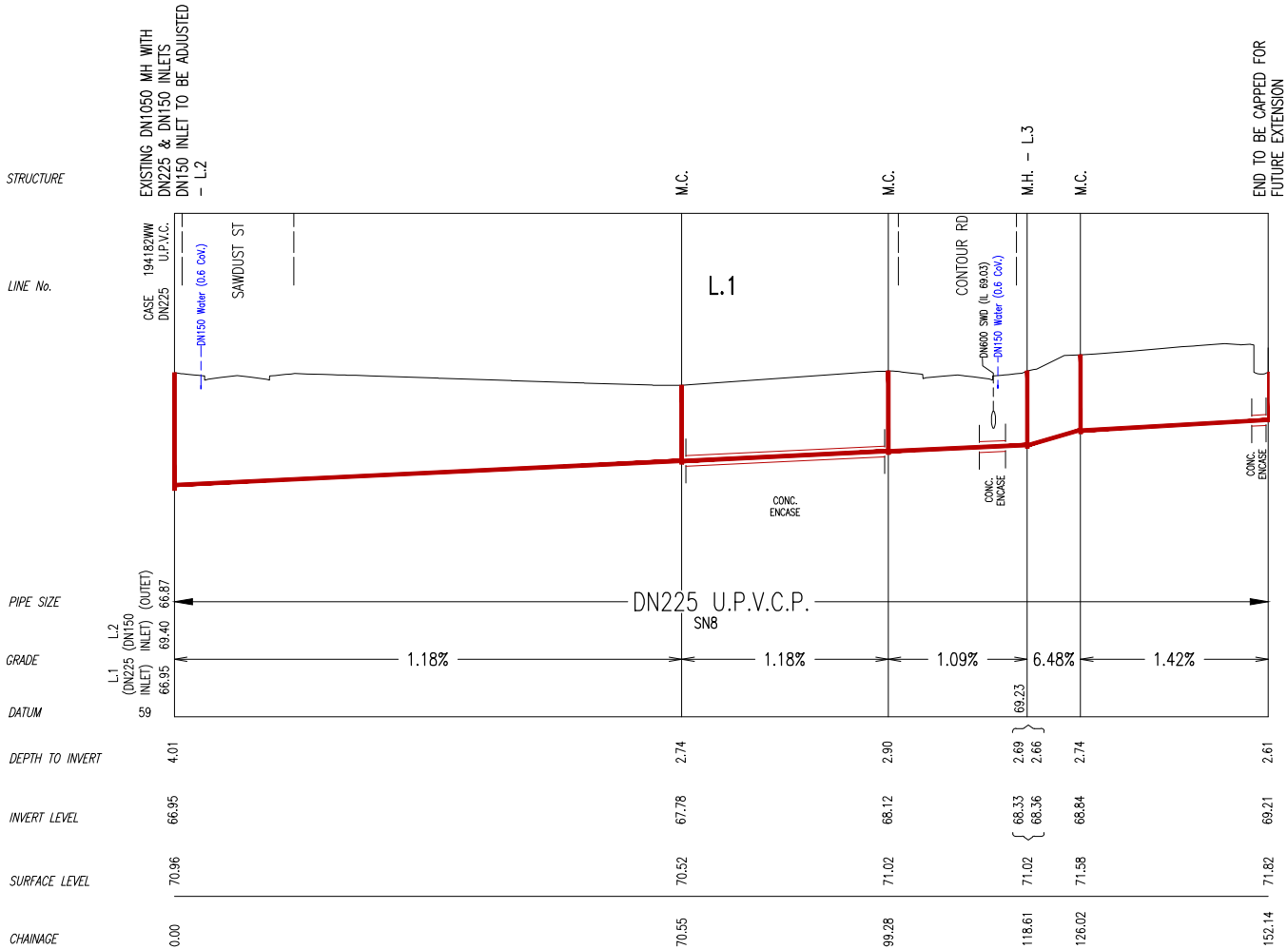
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| SYDNEY WATER CORPORATION | |
| Case No. 202472WW | |
| LIVERPOOL SEWERAGE | |
| DRAINS TO LIVERPOOL STP VIA SP1183 | |

CATCHMENT DIAGRAM
N.T.S.LOCALITY PLAN & BM DIAGRAM
N.T.S.

FLOW SCHEDULE

CALIBRE PROFESSIONAL SERVICES PTY LTD
DATE: 22/02/2023
PLAN FOR CONSTRUCTION

| WORK AS CONSTRUCTED CERTIFICATION | | SYDNEY WATER CORPORATION | |
|--|-----------------|-------------------------------------|--|
| DEVELOPER | W.S.C. | Case No. 202472WW SHT 3 OF 3 SHTS | |
| CONSTRUCTOR | COMPLETED | FOR DETAILS OF SERVICES SEE SHEET 1 | |
| DESIGNER | W.A.C. PREPARED | SYDNEY WATER CORPORATION | |
| I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS | | | |



| MAINTENANCE STRUCTURE SCHEDULE | | | | | | | |
|--------------------------------|----------|-------------|----------|-------------|-----------------------------------|---------------------|--|
| LINE NO | CHAINAGE | TYPE | DN RISER | COVER CLASS | MATERIAL (PVC, CAST IN-SITU, ETC) | MC DEFLECTION ANGLE | COMMENTS (BRAND, DTC, OTHER INFO) |
| 1/2 | 0.00 | EXISTING MH | 1.050 | B | CAST IN-SITU | N/A | EXISTING 1050 MH WITH DN225 & DN150 INLETS. DN150 INLET TO BE ADJUSTED |
| 1 | 70.55 | MC | 0.600 | B | PP | 90 | AWASHAFT PP600, EZIPIT 600 OR APPROVED EQUIVALENT |
| 1 | 99.28 | MC | 0.600 | B | PP | 21 | AWASHAFT PP600, EZIPIT 600 OR APPROVED EQUIVALENT |
| 1/3 | 118.61 | MH | 1.050 | B | CAST IN-SITU | N/A | DTC-2203 / SEW-1304 |
| 1 | 126.02 | MC | 0.600 | B | PP | 46 | AWASHAFT PP600, EZIPIT 600 OR APPROVED EQUIVALENT |
| 1 | 152.14 | END | N/A | N/A | N/A | N/A | END TO BE CAPPED FOR FUTURE EXTENSION |
| 2 | 55.95 | TMS | 0.225 | B | UPVC | N/A | 'AMYROO' TYPE OR EQUIV. |
| 3 | 116.72 | MC | 0.600 | D | PP | 90 | AWASHAFT PP600, EZIPIT 600 OR APPROVED EQUIVALENT |
| 3 | 139.96 | TMS | 0.225 | B | UPVC | N/A | 'AMYROO' TYPE OR EQUIV. |

285 SIXTH AVENUE,
AUSTRAL

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|--|-------|--|--|-----------------------------|--|
| WORK AS CONSTRUCTED CERTIFICATION | | <div>Sydney WATER</div> | | SYDNEY WATER CORPORATION | |
| DEVELOPER | | <div>Case No. 202472WW</div> | | <div>SHT 2 OF 3 SHTS.</div> | |
| W.S.C. | | | | | |
| CONSTRUCTOR | | <div>SYDNEY WATER CORPORATION</div> <div>FOR DETAILS OF SERVICES SEE SHEET 1</div> | | | |
| COMPLETED | | | | | |
| W.A.C. PREPARED | | | | | |
| DESIGNER | | | | | |
| I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS | | | | | |