

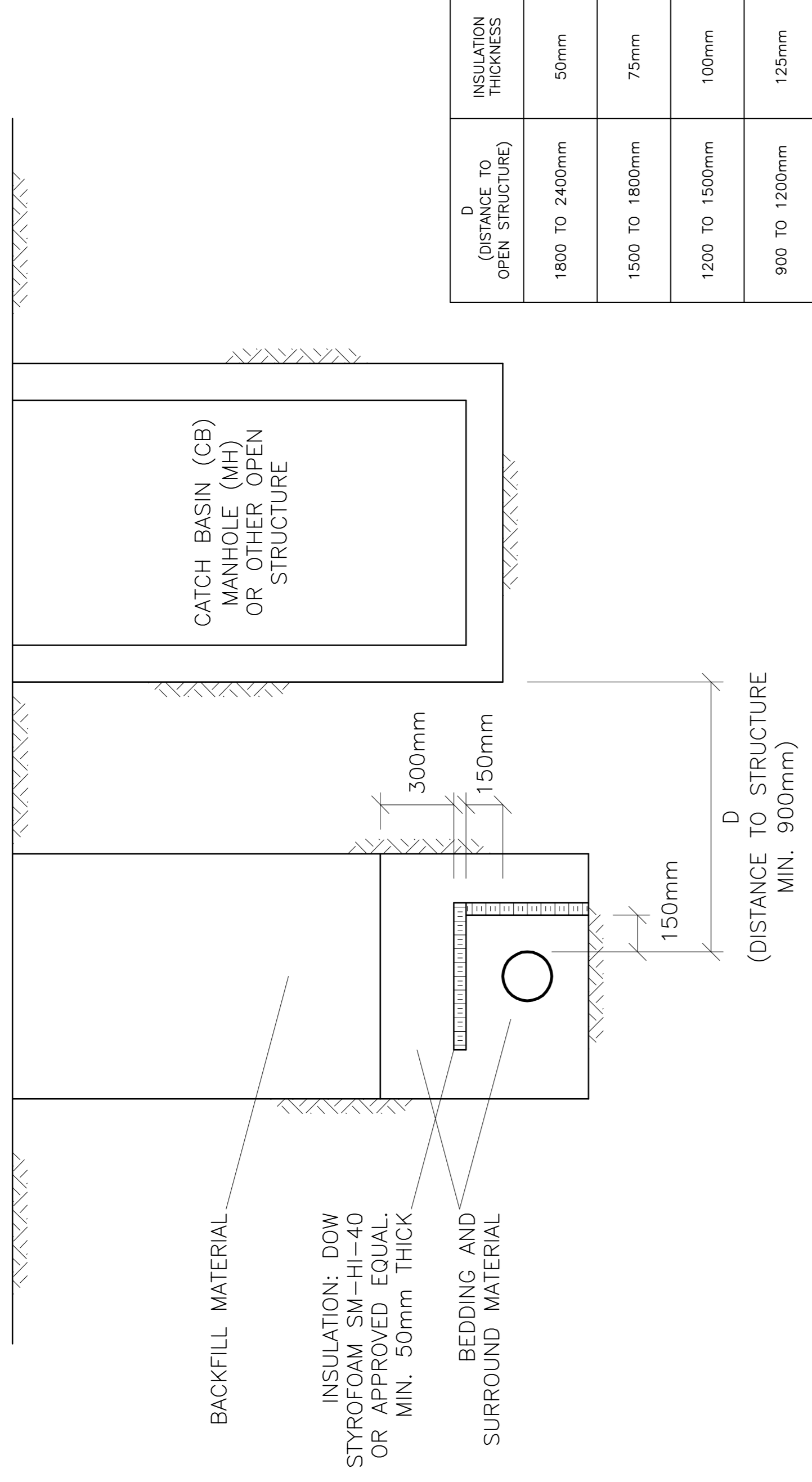
# WATER SERVICE PROFILE TABLE

MATERIAL:  
100mm PVC PRESSURE CLASS 150 DR18

| STATION          | DESCRIPTION   | GRADE ELEVATION | TOP OF PIPE | DEPTH OF COVER | NOTES  |
|------------------|---|-----------------|-------------|----------------|--|
| A+00.0           | 400mm x 100mm TEE CONNECTION IN 400mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS | 75.18           | ±73.28      | ±1.90          | START OF 50mm THICK, 1200mm WIDE INSULATION                                  |
| A+02.3           | 100mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS                                   | 75.23           | 73.28       | 1.95           | ON PROPERTY LINE   |
| A+03.3           | 11.25' VERTICAL BEND DOWN   | 75.21           | 73.28       | 1.93           | -  |
| A+05.7           | -   | 75.21           | 72.81       | 2.40           | END OF 50mm THICK, 1200mm WIDE INSULATION                                    |
| A+06.9           | 11.25' VERTICAL BEND UP   | 75.21           | 72.56       | 2.66           | -  |
| A+12.3<br>B+00.0 | CONNECTION TO 50mm WATERMAIN  | 75.23           | 72.56       | 2.67           | -  |
| A+14.3           | -   | 75.21           | 72.56       | 2.65           | CROSSING 150 SAN INV 73.07 WM TOP 72.56 - 510mm CLEARANCE (MIN. 500mm REQ'D) |
| A+15.0<br>C+00.0 | CONNECTION TO 50mm WATERMAIN  | 75.21           | 72.56       | 2.65           | -  |
| A+15.4           | -   | 75.21           | 72.56       | 2.65           | CROSSING 150 ST INV 73.06 WM TOP 72.56 - 500mm CLEARANCE (MIN. 500mm REQ'D)  |
| A+16.4           | 100mm END CAP TO CITY OF OTTAWA STANDARDS   | 75.21           | 72.56       | 2.65           | -  |

MATERIAL:  
50mm PEX TUBING TO AWWA C-904 SDR 9 (CTS)

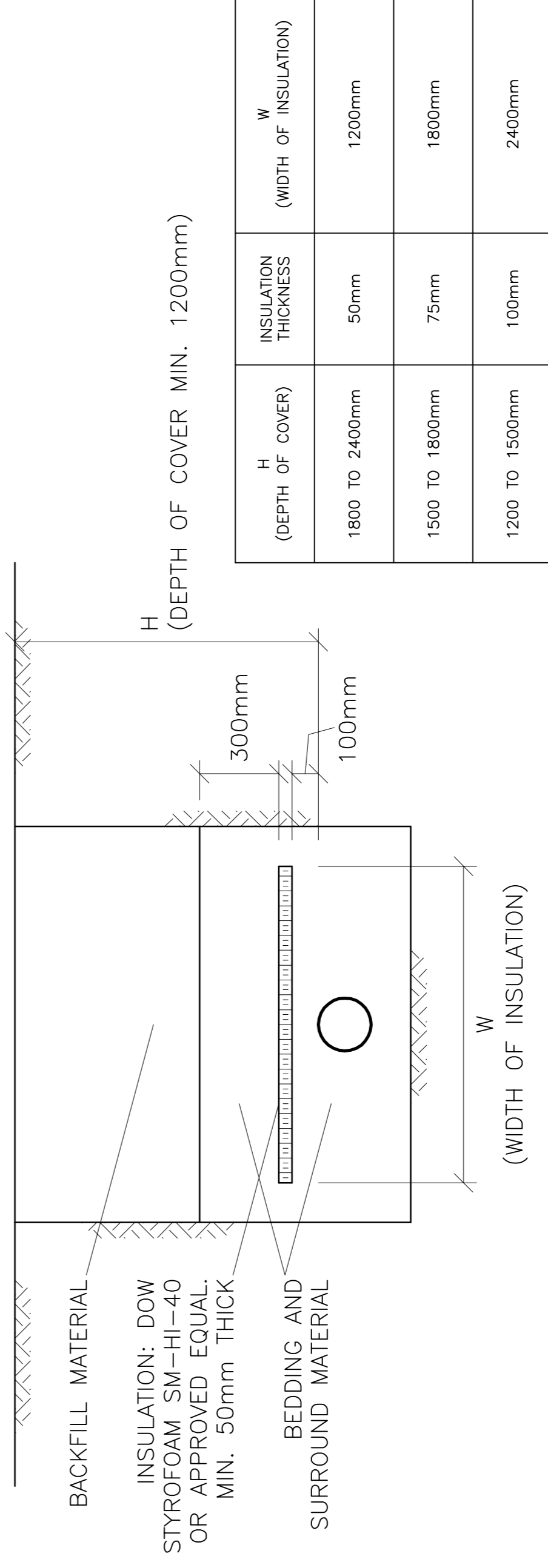
| STATION          | DESCRIPTION   | GRADE ELEVATION | TOP OF PIPE | DEPTH OF COVER | NOTES  |
|------------------|---|-----------------|-------------|----------------|--|
| B+00.0<br>A+12.3 | CONNECTION TO 100mm WATERMAIN                             | 75.23           | 72.56       | 2.67           | -  |
| B+01.6           | -   | 75.23           | 72.18       | 3.05           | CROSSING 200 ST INV 72.68 WM TOP 72.18 - 500mm CLEARANCE (MIN. 500mm REQ'D)  |
| B+03.0           | -   | 75.23           | 72.07       | 3.16           | CROSSING 300 ST INV 72.57 WM TOP 72.07 - 500mm CLEARANCE (MIN. 500mm REQ'D)  |
| B+05.1           | -   | 75.38           | 72.23       | 3.15           | CROSSING 200 SAN INV 72.73 WM TOP 72.23 - 500mm CLEARANCE (MIN. 500mm REQ'D) |
| B+6.1            | 50mm CURB STOP & SERVICE POST TO CITY OF OTTAWA STANDARDS | 75.40           | 72.80       | 2.60           | -  |
| B+07.1           | -   | 75.41           | 72.80       | 2.61           | ENTRY INTO BUILDING  |
| A+00.0<br>C+15.0 | CONNECTION TO 100mm WATERMAIN                             | 75.21           | 72.39       | 2.82           | -  |
| C+01.6           | 50mm CURB STOP & SERVICE POST TO CITY OF OTTAWA STANDARDS | 75.39           | 72.83       | 2.56           | -  |
| C+02.6           | -   | 75.41           | 72.99       | 2.40           | ENTRY INTO BUILDING  |



INSULATE SEWER AS INDICATED.  
CENTER INSULATION OVER PIPE.  
JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

## INSULATION OF WATERMAINS & WATER SERVICE CONNECTIONS AT OPEN STRUCTURES

AS PER CITY OF OTTAWA DRAWING No. W23  
N.T.S



INSULATE WATERMAIN AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2400mm, PROVIDE A MINIMUM 1200mm COVER.  
CENTER INSULATION OVER PIPE.  
JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

## INSULATION OF WATERMAINS & WATER SERVICE CONNECTIONS IN SHALLOW TRENCHES

N.T.S

### KEY PLAN

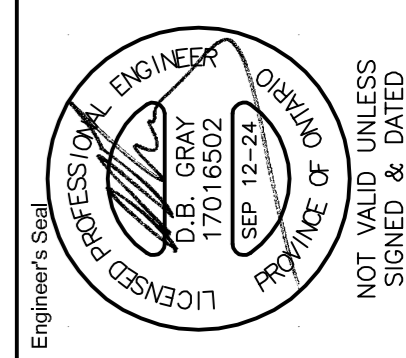


| No. | DATE      | REVISION                |
|-----|-----------|-------------------------|
| 3   | SEP 12-24 | ISSUED FOR APPROVAL     |
| 2   | MAY 6-24  | ISSUED FOR APPROVAL     |
| 1   | MAY 2-24  | ISSUED FOR COORDINATION |

**D.B. GRAY ENGINEERING INC.**  
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d.gray@dbgrayengineering.com

Project  
**STACKED TOWNS**  
**BUILDING A - 20 UNITS**  
**BUILDING B - 24 UNITS**  
2506 INNES ROAD  
OTTAWA, ONTARIO

Drawing Title  
**SCHEDULES**  
(WATER SERVICE)



Drawn: D.B.G.  
H. Scale  
V. Scale  
Date: Dec 21-23  
Job No.: 23087  
Drawing No.: **C-8**  
of **10**

NOT VALID UNLESS SIGNED & DATED