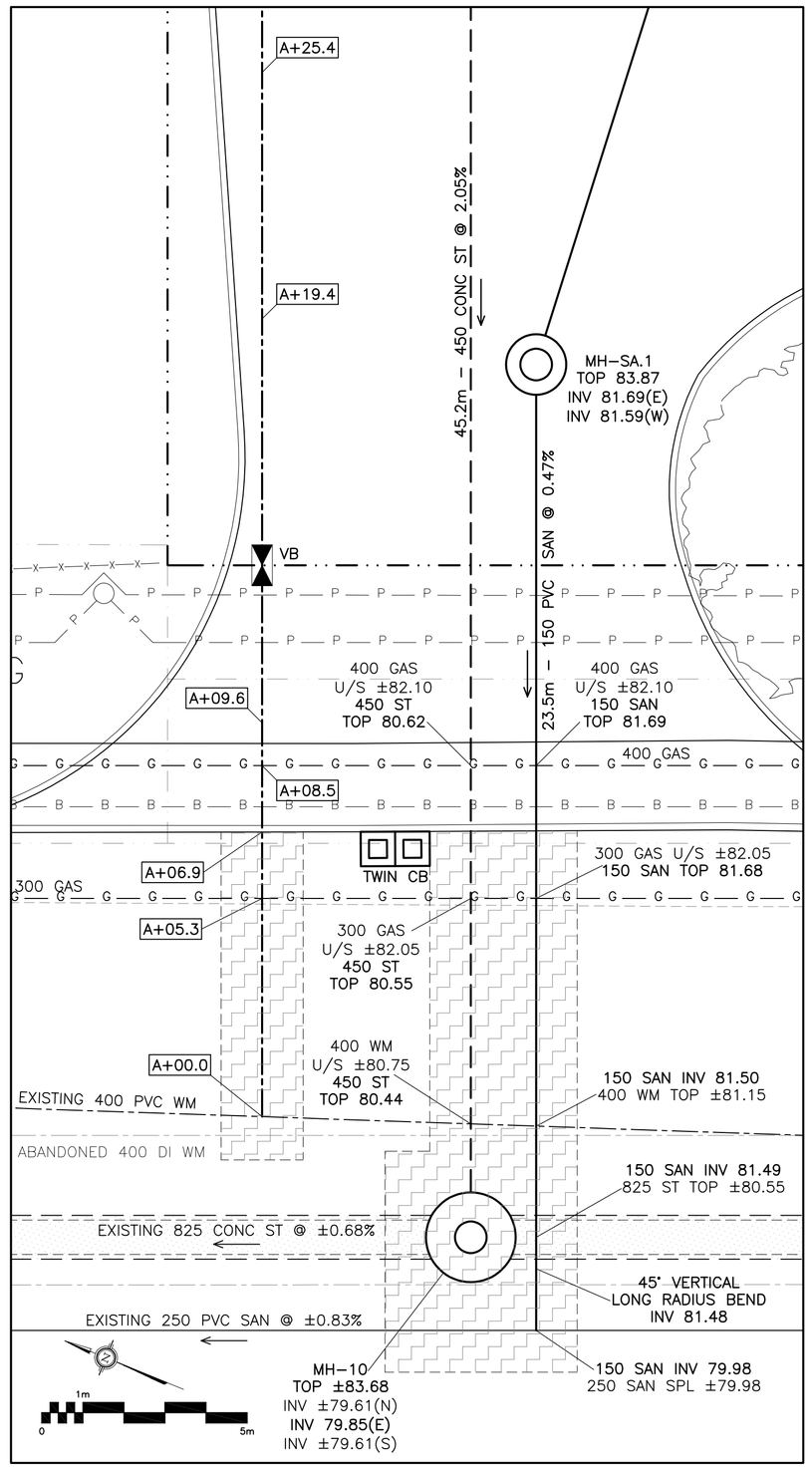
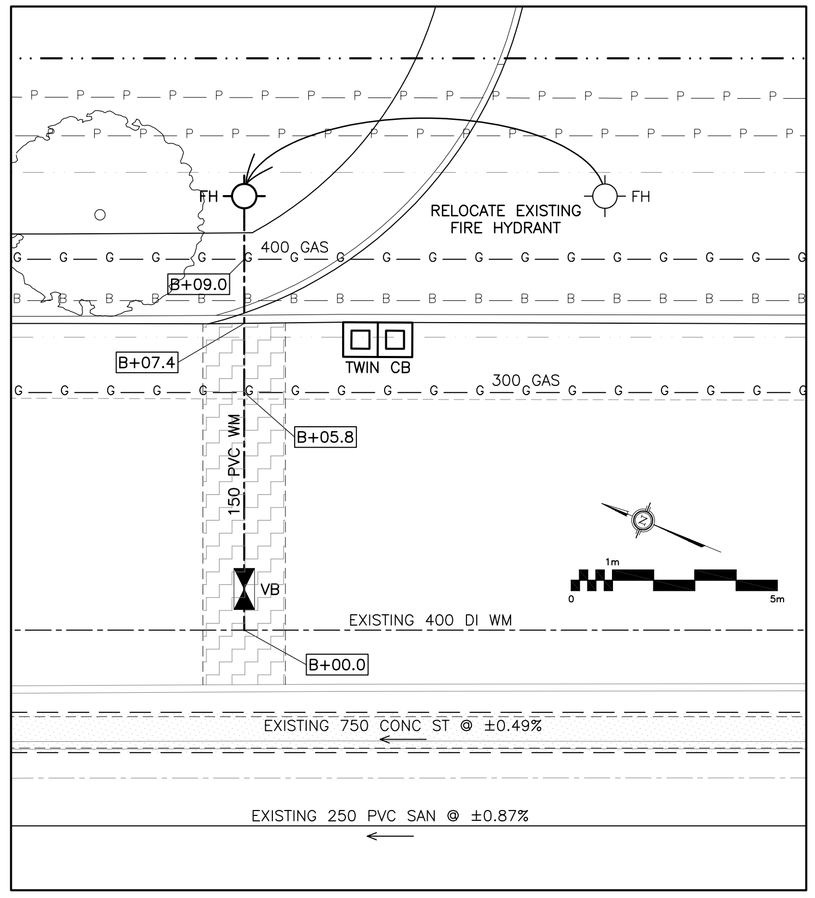



# WATER SERVICE PROFILE TABLE

## MATERIAL:
## 150mm PVC PRESSURE CLASS 150 DR18

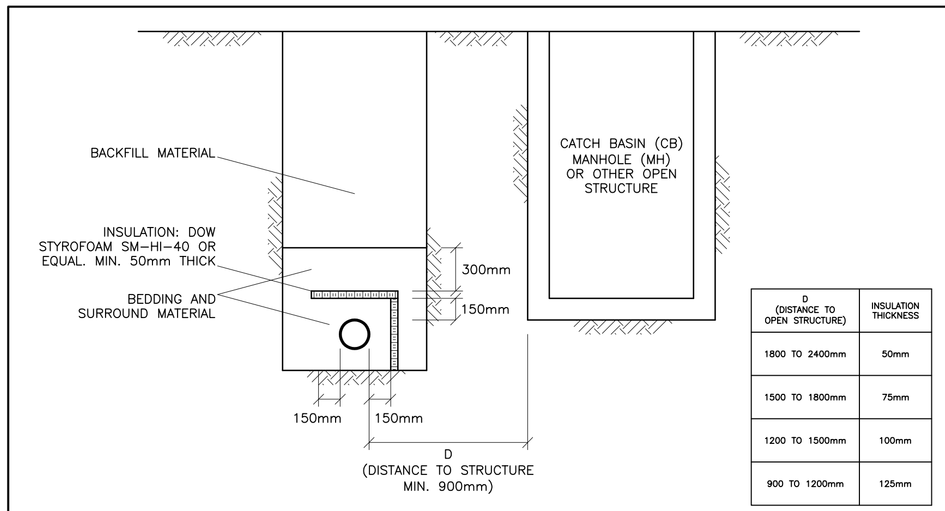
| STATION | DESCRIPTION | GRADE ELEVATION | TOP OF PIPE | DEPTH OF COVER | NOTES |
|---|---|---|---|---|---|
| A+00.0 | 400mm x 150mm TEE CONNECTION IN 400mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS | ±83.49 | ±81.15 | ±2.34 | – |
| A+05.3 | – | ±83.43 | 81.03 | ±2.40 | CROSSING 300 GAS U/S ±81.90 ±870mm CLEARANCE |
| A+06.9 | – | ±83.40 | 81.00 | ±2.40 | BOTTOM OF CURB |
| A+08.5 | – | 83.48 | 81.00 | 2.48 | CROSSING 400 GAS U/S ±82.00 ±1000mm CLEARANCE |
| A+09.6 | – | 83.50 | 81.03 | 2.47 | – |
| A+13.4 | 150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS | 83.58 | 81.15 | 2.43 | – |
| A+19.4 | – | 83.76 | 81.33 | 2.43 | – |
| A+25.4 | – | 83.95 | 81.51 | 2.44 | – |
| A+33.2 | – | 84.18 | 81.74 | 2.44 | – |
| A+34.7 | 45° BEND TO CITY OF OTTAWA STANDARDS | 84.15 | 81.74 | 2.41 | – |
| A+41.9 | – | 84.14 | 81.74 | 2.40 | CROSSING 450 ST TOP 81.27 WM U/S 81.59 – 320mm CLEARANCE (MIN. 250mm REQ'D) |
| A+45.3 | 45° BEND TO CITY OF OTTAWA STANDARDS | 84.20 | 81.74 | 2.46 | – |
| A+50.5 | – | 84.36 | 81.87 | 2.49 | ENTRY INTO BUILDING |




# WATER SERVICE PROFILE TABLE

## MATERIAL:
## 150mm PVC PRESSURE CLASS 150 DR18

| STATION | DESCRIPTION | GRADE ELEVATION | TOP OF PIPE | DEPTH OF COVER | NOTES |
|---|---|---|---|---|---|
| B+00.0 | 400mm x 150mm TEE CONNECTION IN 400mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS | ±84.71 | ±82.15 | ±2.56 | – |
| B+01.0 | 150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS | ±84.69 | 82.15 | ±2.54 | – |
| B+05.8 | – | ±84.59 | 82.15 | ±2.44 | CROSSING 300 GAS U/S ±82.90 WM TOP 82.15 ±750mm CLEARANCE |
| B+07.4 | – | ±84.55 | 82.15 | ±2.44 | BOTTOM OF CURB |
| B+09.0 | – | 84.69 | 82.15 | 2.54 | CROSSING 400 GAS U/S ±83.00 WM TOP 82.15 ±850mm CLEARANCE |
| B+10.5 | FIRE HYDRANT TO CITY OF OTTAWA STANDARDS | 84.73 | 82.15 | 2.58 | – |




| D (DISTANCE TO OPEN STRUCTURE) | INSULATION THICKNESS |
|---|---|
| 1800 TO 2400mm | 50mm |
| 1500 TO 1800mm | 75mm |
| 1200 TO 1500mm | 100mm |
| 900 TO 1200mm | 125mm |

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

### DRAWING LEGEND

| | |
|---|---|
| CB | CATCH BASIN |
| MH | MANHOLE |
| CB/MH | CATCH BASIN/MANHOLE |
| SPL | SPRINGLINE OF PIPE |
| INV | INVERT OF PIPE |
| SAN | SANITARY SEWER |
| ST | STORM SEWER |
| WS/WM | WATER SERVICE/WATERMAIN |
| VB | VALVE & VALVE BOX |
| FH | FIRE HYDRANT |
| FDC | FIRE DEPARTMENT CONNECTION |
| | ROOF DRAIN |
| M | WATER METER |
| R | REMOTE WATER METER READOUT |
| x 67.89 | EXISTING GRADE ELEVATION |
| +67.89 | PROPOSED GRADE ELEVATION |
| 2% | PROPOSED SLOPE OF GRADE |
| | EMERGENCY OVERLAND FLOW |
| | CENTERLINE OF SWALE |
| | PROPERTY LINE |
| | SILT FENCE BARRIER |
| D.C | 150mm CURB/DEPRESSED CURB |
| | LIGHT–DUTY PAVEMENT |
| | HEAVY–DUTY PAVEMENT |
| | ROAD CUT REINSTATEMENT |
| | CONCRETE |
| | LANDSCAPE |
| FFL | FIRST FLOOR ELEVATION |
| TOF | TOP OF FOUNDATION |
| USF | UNDERSIDE OF FOOTING |

KEY PLAN

| No. | DATE | REVISION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| 2 | DEC 11–20 | ISSUED FOR APPROVAL |
| 1 | DEC 9–20 | ISSUED FOR COORDINATION |


D. B. GRAY ENGINEERING INC.
*Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains*
700 Long Point Circle 613-425-8044
Ottawa, Ontario d.gray@dbgrayengineering.com


Project
PROPOSED 4–STOREY DYMON STORAGE BUILDING
3455 HAWTHORNE ROAD
OTTAWA, ONTARIO

Drawing Title
WATER TABLES & DETAILS

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
DEC 11–20
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

| | |
|---|---|
| Drawn | D.B.G |
| Hor. Scale | 1:100 |
| Vert. Scale | |
| Date | NOV 17–20 |
| Job No. | 19107 |

Drawing No.
C–6
of 8