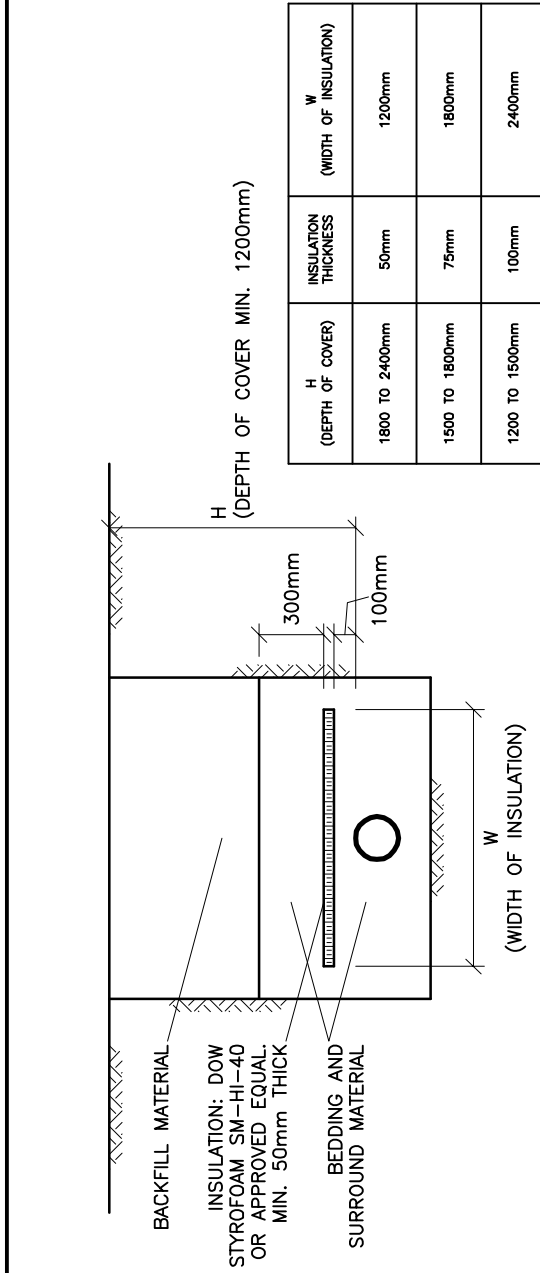


By Lily Xu at 9:06 am, Apr 08, 2025

**MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT, AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA**

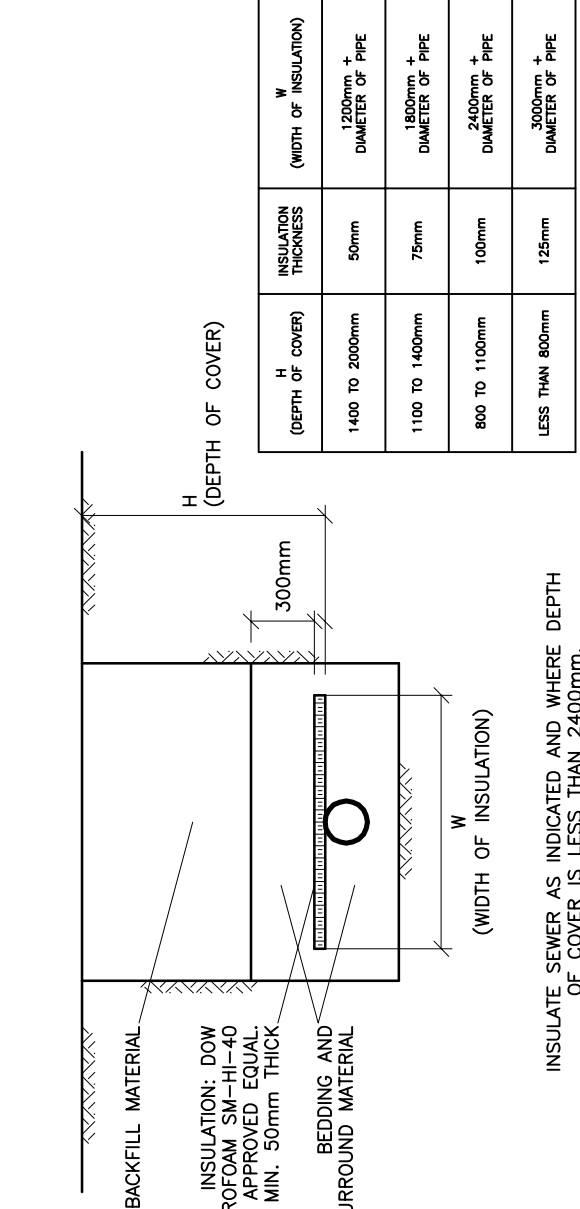
PERMEABLE PAVERS
N.T.S



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



INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2400mm.

JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

INSULATION OF SEWERS IN SHALLOW TRENCHES N.T.S

MATERIAL:

150mm PVC PRESSURE CLASS 150 DR18

STATION	DESCRIPTION	GRADE ELEVATION	TOP OF PIPE	DEPTH OF COVER	NOTES
A+00.0	150mm x 150mm TEE CONNECTION IN 150mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS	±93.15	±90.95	±2.20	START OF 50mm THICK, 1200mm WIDE INSULATION
A+01.0	11.25° VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	±93.18	±90.95	±2.23	–
A+02.7	11.25° VERTICAL BEND UP TO CITY OF OTTAWA STANDARDS	±93.16	90.61	2.55	END OF 50mm THICK, 1200mm WIDE INSULATION
A+07.4	–	±93.00	90.60	2.40	BOTTOM OF CURB
A+08.0	–	93.08	90.61	2.47	CROSSING 525 ST INV ±92.25 WM TOP 90.61 – ±1640mm CLEARANCE (MIN. 500mm REQ'D)
A+11.3	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	93.21	90.61	2.60	ON PROPERTY LINE
A+13.8	–	93.28	90.61	2.67	ENTRY INTO BUILDING
B+00.0	150mm x 150mm TEE (TO FIRE HYDRANT) TO CITY OF OTTAWA STANDARDS	±93.04	±90.84	±2.20	START OF 50mm THICK, 1200mm WIDE INSULATION
B+00.6	11.25° VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	±93.02	±90.84	±2.18	
B+02.3	11.25° VERTICAL BEND UP TO CITY OF OTTAWA STANDARDS	±92.96	90.51	±2.45	END OF 50mm THICK, 1200mm WIDE INSULATION
B+02.9	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	±92.94	90.51	±2.43	–
B+03.6	–	±92.91	90.51	±2.40	BOTTOM OF CURB
B+05.2	–	±93.09	90.51	±2.58	WM U/S 90.36 CROSSING 450 SAN TOP ±88.98 ±1380mm CLEARANCE (MIN. 250mm REQ'D)
B+06.8	FIRE HYDRANT TO CITY OF OTTAWA STANDARDS	±93.12	90.51	±2.61	–

CATCH BASIN SCHEDULE

(SUBMIT SHOP DRAWINGS OF ALL CATCH BASINS & MANHOLES TO ENGINEER FOR APPROVAL)

REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
CB/MH-1	92.32	CDS PMSU2015-4	PRECAST CONCRETE CATCH-BASIN/MANHOLE	-	90.07	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS EXCEPT WITH A DEEP SUMP AS REQUIRED BY CDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
MH-2	92.91	1200mm	PRECAST CONCRETE MANHOLE	89.99(NW)	89.99(NE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010

[illegible]

O. B. GRAY ENGINEERING INC.

Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermain

00 Long Point Circle
613-425-8044

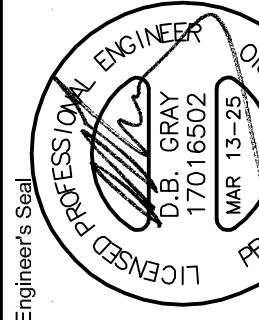
Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED 4-STORY
APARTMENT BUILDING
2928 BANK STREET
OTTAWA, ONTARIO

Drawing Title

DETAILS & SCHEDULES



Drawn	D.B.G
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H. Scale

V. Scale

Date MAR 22-24

Drawing No.

C-7

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