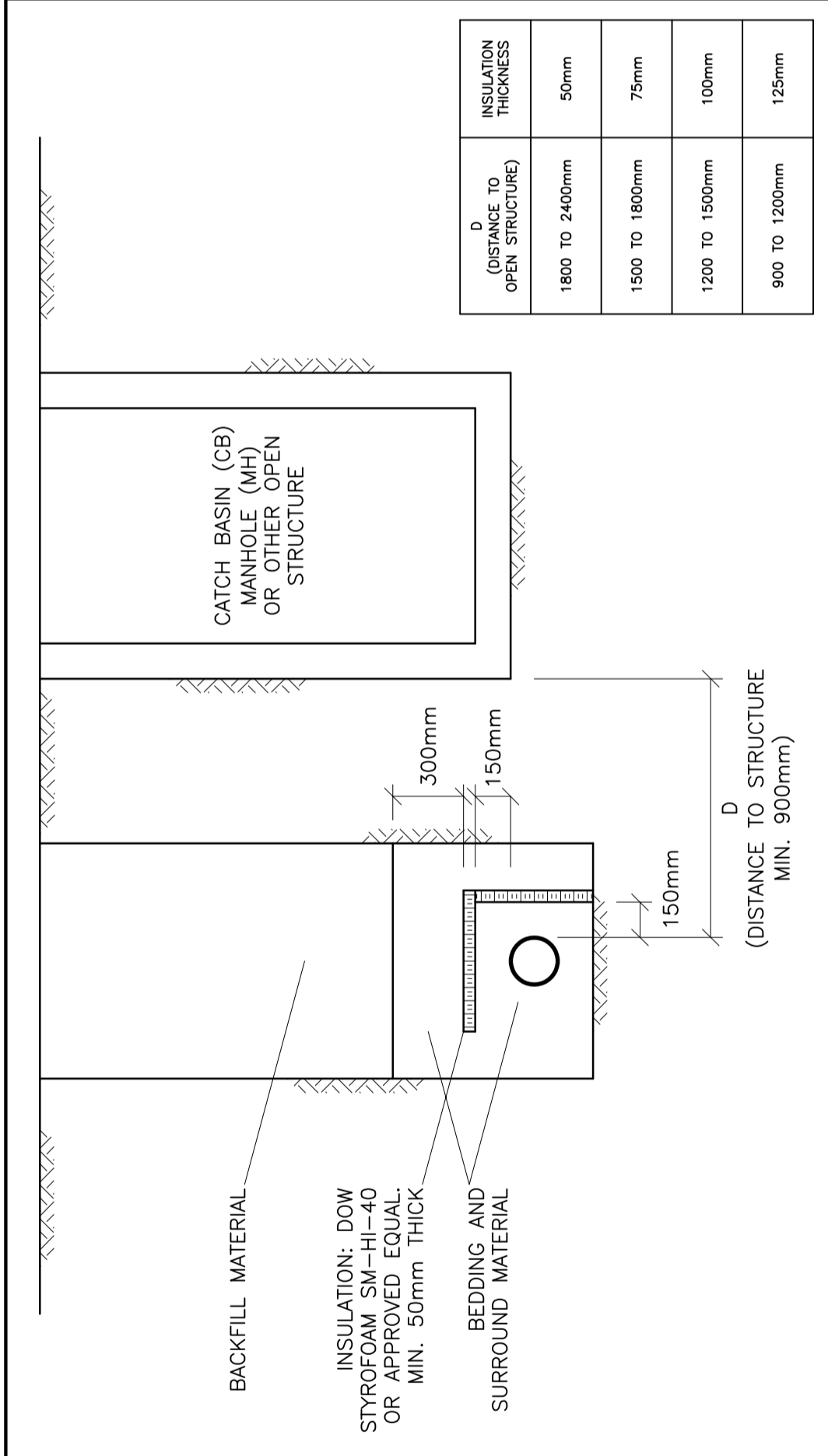


WATER SERVICE PROFILE TABLE			
MATERIAL: 150mm PVC PRESSURE CLASS 150 DR18			
STATION	DESCRIPTION	INVERT ELEVATION	DEPTH OF COVER
A+00.0	20mm x 15mm Tee Connection in 150mm Municipal Watermain to City of Ottawa Standards	84.75	82.44
A+01.3	22.5" Vertical Bend Up to City of Ottawa Standards	84.75	82.44
A+03.0	22.5" Vertical Bend Up to City of Ottawa Standards	84.79	83.01
A+03.1	22.5" Vertical Bend Down to City of Ottawa Standards	84.79	83.05
A+04.1	-	84.81	83.05
A+05.1	22.5" Vertical Bend Down to City of Ottawa Standards	84.77	83.05
A+07.3	22.5" Vertical Bend Up to City of Ottawa Standards	84.67	82.14
A+12.1	150mm x 150mm Tee to City of Ottawa Standards	84.78	82.12
A+16.5 (P+00.0)	150mm x 150mm Tee to City of Ottawa Standards	84.58	82.10
A+17.4 (C+100.0)	150mm x 150mm Tee to City of Ottawa Standards	84.55	82.10
A+17.9	150mm x 150mm Tee to City of Ottawa Standards	84.54	82.10
B+00.0 (A+16.5)	150mm x 150mm Tee to City of Ottawa Standards	84.38	82.10
B+01.0	150mm x 150mm Tee to City of Ottawa Standards	84.55	82.08
B+03.0	Crossing 450mm x 150mm Tee to City of Ottawa Standards	84.50	82.03
B+04.4	Crossing 250mm x 150mm Tee to City of Ottawa Standards	84.46	81.99
B+05.7	Bottom of Curb	84.43	81.98
B+11.7	22.5" Bend Vertical Bend Down to City of Ottawa Standards	84.35	81.95
B+12.7	22.5" Bend Vertical Bend Up to City of Ottawa Standards	84.35	81.95
B+13.2	Crossing 450mm x 150mm Tee to City of Ottawa Standards	84.35	81.95
B+15.2	6" Bend to City of Ottawa Standards	84.38	81.95
B+16.7	Entry into Building	84.40	81.95
C+00.0 (A+17.4)	150mm x 150mm Tee to City of Ottawa Standards	84.55	82.10
C+00.5	50mm Curb Stop & Service Post to City of Ottawa Standards	84.57	81.94
C+04.9	Crossing 100mm x 150mm Tee to City of Ottawa Standards	84.38	81.23
C+05.2	19 Copper WS Connection	84.37	81.19
C+05.5	Crossing 135mm x 150mm Tee to City of Ottawa Standards	84.36	81.14
C+14.7	Crossing 100mm x 150mm Tee to City of Ottawa Standards	84.14	81.21
C+15.0	19 Copper WS Connection	84.14	81.21
C+15.3	Crossing 135mm x 150mm Tee to City of Ottawa Standards	84.14	81.21
C+20.0	Crossing 250mm x 150mm Tee to City of Ottawa Standards	84.14	81.25
C+24.8	Crossing 100mm x 150mm Tee to City of Ottawa Standards	84.14	81.29
C+25.1	19 Copper WS Connection	84.14	81.29
C+25.4	Crossing 135mm x 150mm Tee to City of Ottawa Standards	84.14	81.29
C+32.3	19 Copper WS Connection	84.14	81.29

INSULATION AS PER CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010  
 FROM B+02.8 TO B+06.0 AND FROM B+12.4 TO B+15.7  
 WATERMAIN CROSSING OVER SEWERS AS PER CITY STANDARD W25.2

3130 WOODROFFE AVENUE CATCH-BASIN & MANHOLE SCHEDULE						
REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
<b>STORM SEWER</b>						
CB/MH-0	93.67	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	-	92.24	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
MH-1A	94.19	1500mm	PRE-CAST CONCRETE MANHOLE	92.23(W)	92.23(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
MH-1B	94.23	1500mm	PRE-CAST CONCRETE MANHOLE	92.21(W)	92.21(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-2	93.96	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	92.17(W)	92.17(SE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010 INSTALL ICD IN OUTLET PIPE
MH-3	94.36	1200mm	PRE-CAST CONCRETE MANHOLE	92.25(NW) 92.25(SW)	92.125(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
MH-4	94.09	1200mm	PRE-CAST CONCRETE MANHOLE	-	92.66	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
MH-5	94.57	1200mm	PRE-CAST CONCRETE MANHOLE	92.46(NW)	92.15(NE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-6	93.94	1500mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	-	92.245	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-7	93.92	1500mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	92.225(W)	92.225(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-8	93.43	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	92.20(W)	92.20(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-9	93.27	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	92.19(W)	92.19(S)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-10	93.29	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	92.155(N)	92.155(S)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-11	93.18	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	92.115(N)	92.115(SW)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010 INSTALL ICD IN OUTLET PIPE
MH-12	94.14	1200mm	PRE-CAST CONCRETE MANHOLE	92.09(NE) 92.09(W)	92.09(S)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
CB/MH-13	93.31	1200mm	PRE-CAST CONCRETE CATCH-BASIN/MANHOLE	91.90(N)	91.84(E)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
MH-SA.1	94.04	1200mm	PRE-CAST CONCRETE MANHOLE	-	91.66	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
MH-SA.2	94.70	1200mm	PRE-CAST CONCRETE MANHOLE	91.40(NW)	91.39(SE)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING NO. S25 & S28.1 OR OPSD 401.010
<b>SANITARY SEWER</b>						

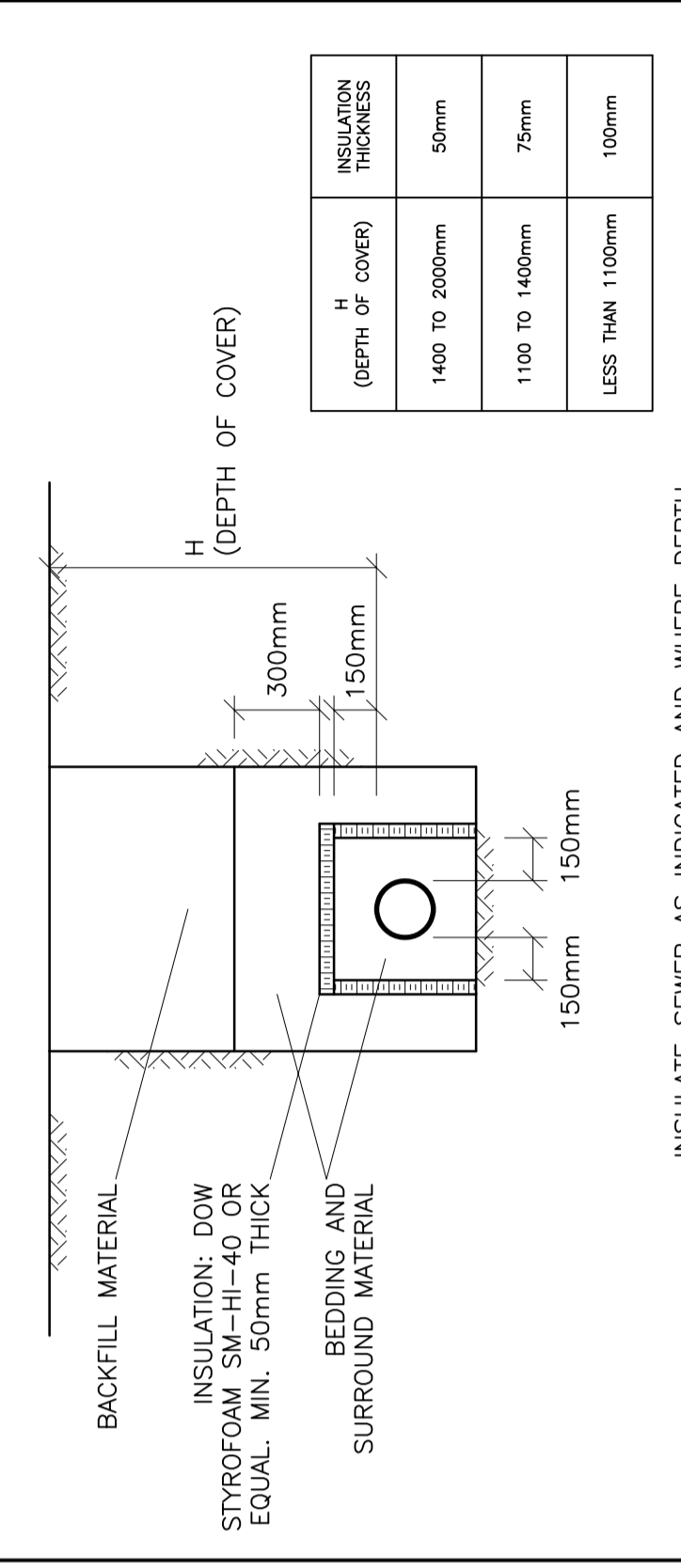


INSULATE SEWER AS INDICATED. CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

**INSULATION OF WATERMANS & WATER SERVICE CONNECTIONS AT OPEN STRUCTURES**

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

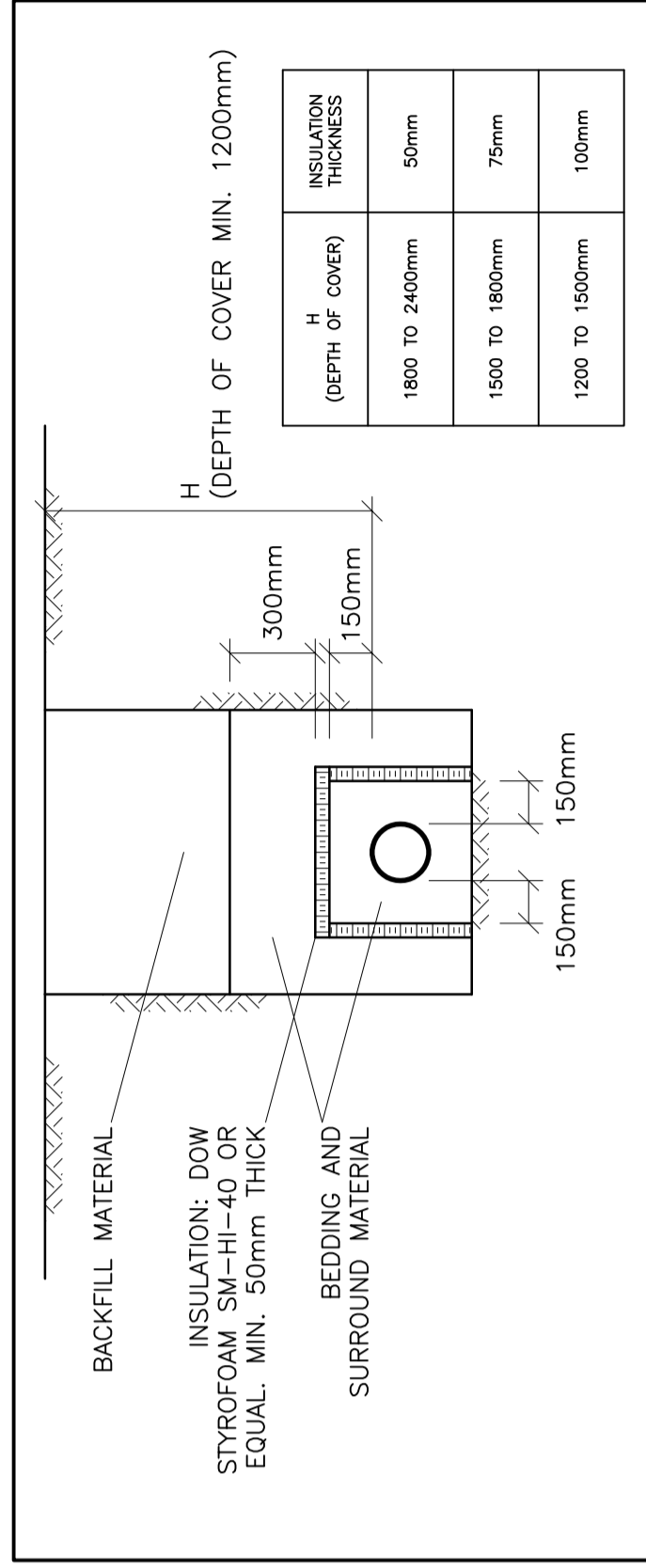
**OWNER:**  
 Vo and Van Holdings Corporation  
 65 Loch Isle Road  
 Nepean, Ontario  
 K2H 8G7  
 613-720-4090



INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2000mm, CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

**INSULATION OF SEWERS & SERVICE CONNECTIONS IN SHALLOW TRENCHES**

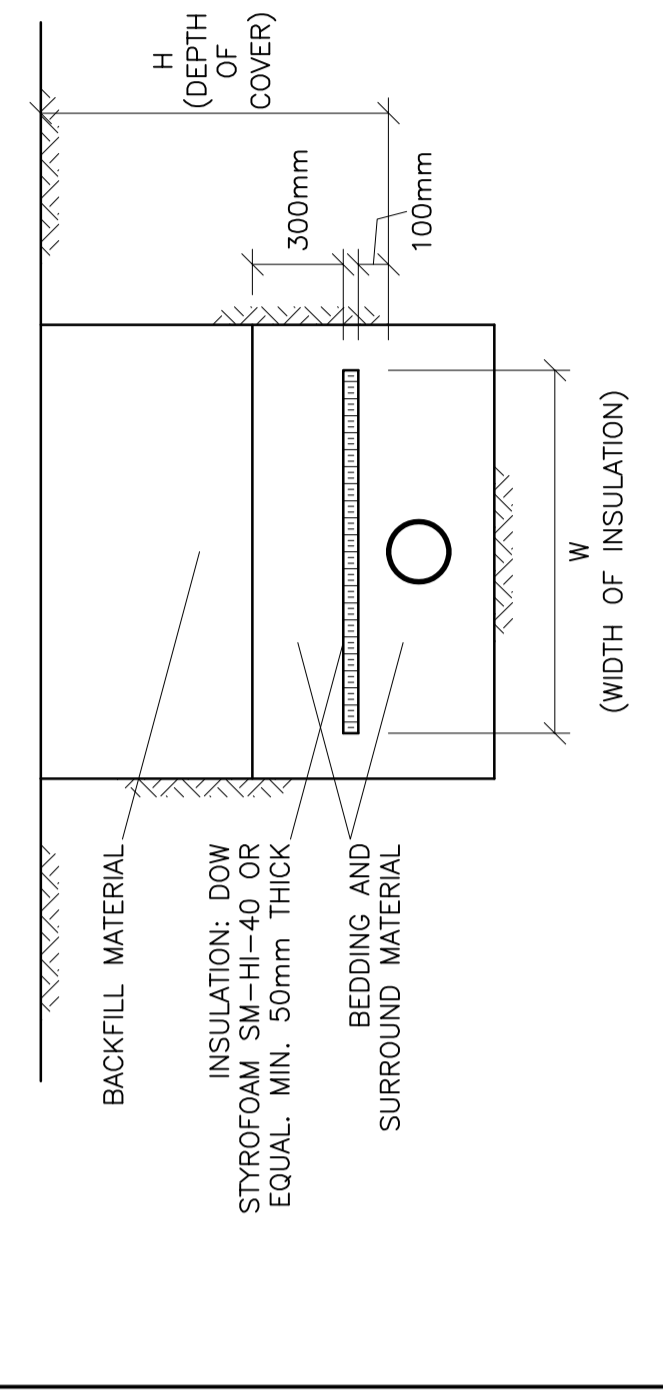
N.T.S



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 WATERMANS & WATER SERVICE CONNECTIONS IN SHALLOW TRENCHES**

AS PER CITY OF OTTAWA DRAWING No. W22  
N.T.S



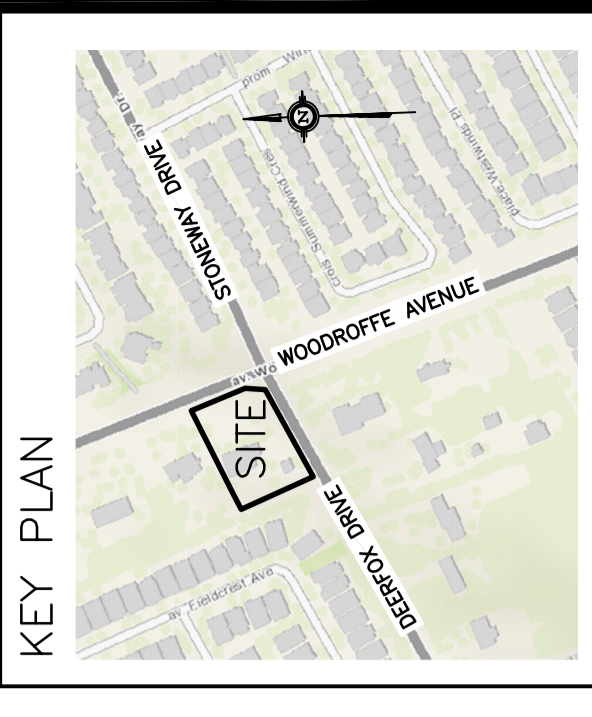
INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2000mm, CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

**INSULATION OF SEWERS IN SHALLOW TRENCHES**

N.T.S

H (DEPTH OF COVER)	INSULATION THICKNESS	W (WIDTH OF INSULATION)
1400 TO 2000mm	50mm	1200mm * DIAMETER OF PIPE
1100 TO 1400mm	75mm	1800mm * DIAMETER OF PIPE
LESS THAN 1100mm	100mm	2400mm * DIAMETER OF PIPE

LEGEND	
FFL	FINISHED FLOOR ELEVATION
TOP	TOP OF FOUNDATION
BFL	BASEMENT FLOOR ELEVATION
USF	UNDERSIDE OF FOOTING
---	PROPERTY LINE
CB	CATCH-BASIN
MH	STORM MANHOLE
CB/MH	CATCH-BASIN/MANHOLE
MH	SANITARY MANHOLE
VC	VALVE CHAMBER
FH	FIRE HYDRANT
FDC	FIRE DEPARTMENT CONNECTION
CS	CURE STOP & STANDPOST
VB	VALVE & VALVE BOX
W	WATER METER
R	REMOTE WATER METER
PRV	PRESSURE REDUCING VALVE
SN	SANITARY SEWER
ST	STORM SEWER
WS/W	WATER SERVICE/WATERMAIN
OBV	OBVERT OF PIPE
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
---	150mm BARRIER CURB
D.C.	DEPRESSED CURB



No.	DATE	REVISION
5	JAN 27-23	RE-ISSUED TO CITY FOR APPROVAL
4	OCT 31-22	RE-ISSUED TO CITY FOR APPROVAL
3	SEP 8-22	RE-ISSUED TO CITY FOR APPROVAL
2	MAR 17-22	ISSUED FOR APPROVAL
1	FEB 17-22	ISSUED FOR COORDINATION

**D. B. GRAY ENGINEERING INC.**  
 700 Long Point Circle  
 Ottawa, Ontario  
 416-463-8044  
 613-425-8044  
 dgray@dbgrayengineering.com

**PROPOSED**  
 1 STOREY DENTAL CLINIC &  
 4 2-STOREY SEMI-DETACHED,  
 3130 WOODROFFE AVENUE  
 OTTAWA, ONTARIO

**DETAILS & SCHEDULES**

Engineer's Seal  
 L. XU  
 PROFESSIONAL ENGINEER  
 CIVIL  
 REG. NO. 17016502  
 EXPIRES JAN 27-23  
 BOARD OF PROFESSIONAL ENGINEERS  
 ONTARIO

Drawing No. **C-6** of **7**  
 NOT VALID UNLESS SIGNED & DATED

**APPROVED**  
 By Lily Xu at 12:55 pm, Apr 27, 2023

LILY XU, MCIP, RPP  
 MANAGER, DEVELOPMENT REVIEW SOUTH  
 PLANNING, INFRASTRUCTURE & ECONOMIC  
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA