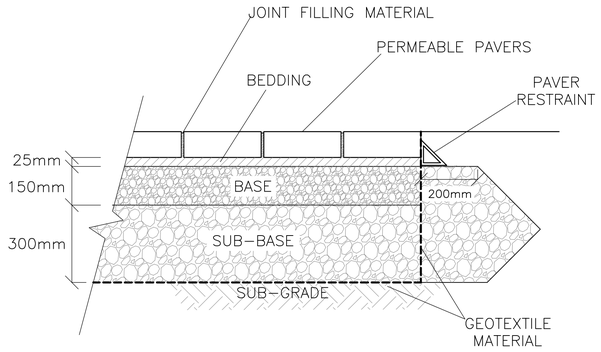
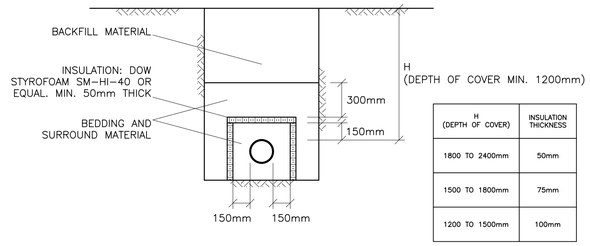


JOINT FILLING MATERIAL: 2.5–10mm AGGREGATE OR AS RECOMMENDED BY MANUFACTURER
BEDDING COURSE: 2.5–10mm AGGREGATE OR AS RECOMMENDED BY MANUFACTURER
BASE COURSE: 5–28mm AGGREGATE OR AS RECOMMENDED BY MANUFACTURER
SUB–BASE COURSE: 40–80mm AGGREGATE OR AS RECOMMENDED BY MANUFACTURER
COMPACT EACH LAYER AS RECOMMENDED BY MANUFACTURER

PERMEABLE PAVERS BY UNILOCK LIMITED OR APPROVED EQUAL
PAVERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH TIGHT BUTT JOINTS OF APPROXIMATELY 3mm, ON A SAND BASE. SAW CUT PAVERS AS REQUIRED. USE AN APPROVED VIBRATORY COMPACTOR IN A CIRCULAR PATTERN.
ALL DAMAGED OR CHIPPED PAVERS MUST BE REPLACED AT THE CONTRACTOR'S COST

EXCAVATE AND REMOVE ALL TOPSOIL AND UNSTABLE MATERIALS OFF SITE. SUBGRADE TO BE GRADED TO SIMILAR CONTOURS AS FINISH GRADE. COMPACT SUBGRADE TO 95% S.P.D.

PERMEABLE PAVERS
N.T.S



H (DEPTH OF COVER)	INSULATION THICKNESS
1800 TO 2400mm	50mm
1500 TO 1800mm	75mm
1200 TO 1500mm	100mm

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

CATCH–BASIN & MANHOLE SCHEDULE

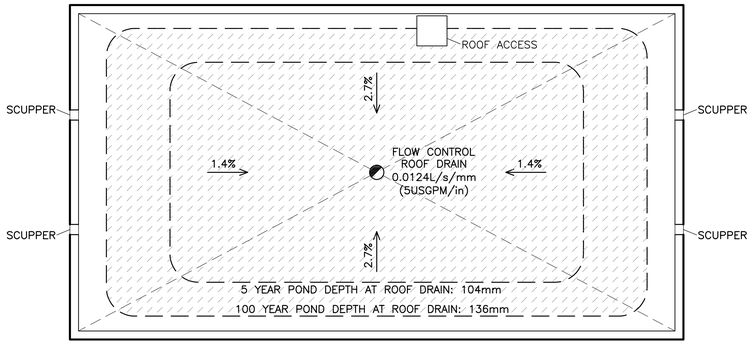
REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
CB–1	120.45	600mm x 600mm	PRE–CAST CONCRETE CATCH–BASIN	–	118.24(NW)	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19 INSTALL ICD IN OUTLET PIPE
MH–2	120.55	CDS PMSU2015–4	PRE–CAST CONCRETE MANHOLE	118.23(SE)	118.23(NW)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS EXCEPT WITH A DEEP SUMP AS REQUIRED BY CDS INSTALL WATERTIGHT COVER

WATER SERVICE PROFILE TABLE

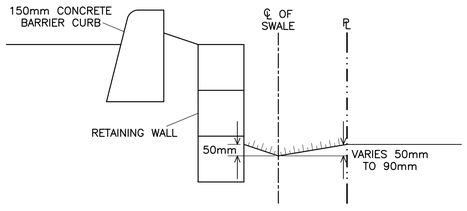
MATERIAL:
150mm PVC PRESSURE CLASS 150 DR18

STATION	DESCRIPTION	GRADE ELEVATION	TOP OF PIPE	DEPTH OF COVER	NOTES
0+00.0	400mm x 150mm TEE CONNECTION IN 300mm MUNICIPAL WATERMAIN TO CITY OF OTTAWA STANDARDS	±121.30	±119.25	±2.05	INSULATION: 0+00.0 TO 0+02.2 50mm THICK TO CITY OF OTTAWA DRAWING No. W22
0+01.0	22.5° VERTICAL BEND DOWN TO CITY OF OTTAWA STANDARDS	±121.28	119.25	±2.03	
0+02.2	22.5° VERTICAL BEND ACROSS TO CITY OF OTTAWA STANDARDS	±121.26	118.76	±2.50	
0+02.3	–	±121.26	118.76	±2.50	150 WS U/S 118.61 450 SAN TOP ±116.18 (2430mm CLEARANCE)
0+04.1	–	±121.23	118.76	±2.47	150 WS U/S 118.61 825 ST TOP ±118.48 (±130mm CLEARANCE)
0+06.9	–	±121.18	118.76	±2.42	CROSSING 100 GAS
0+08.2	–	±121.16	118.76	±2.40	–
0+08.4	–	±121.16	118.76	±2.40	BOTTOM OF CURB
0+11.7	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	121.44	118.85	±2.59	ON PROPERTY LINE
0+16.0	–	121.50	119.08	±2.42	ENTRY INTO BUILDING

INSTALL A MINIMUM OF 4 SCUPPERS, EACH A MINIMUM 185mm WIDE. BOTTOM OF SCUPPERS SHALL BE 150mm ABOVE ROOF DRAINS (REFER TO ARCHITECTURAL FOR EXACT LOCATIONS AND DETAILS). ROOF SHALL BE DESIGNED TO CARRY THE LOAD OF WATER HAVING A 50mm DEPTH AT SCUPPER OR 200mm DEPTH AT ROOF DRAIN (REFER TO STRUCTURAL).



ROOF PLAN



SECTION 'A–A'
(TYPICAL)
N.T.S

KEY PLAN

No.	DATE	REVISION
2	MAY 7–21	ISSUED FOR APPROVAL
1	MAY 4–21	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
2 STOREY DISTILLERY
1498 STITTSVILLE MAIN STREET
OTTAWA, ONTARIO

Drawing Title
DETAILS & SCHEDULES

Engineer's Seal
LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
MAY 7–21
PROVINCE OF ONTARIO
NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
H. Scale	
V. Scale	
Date	APR 21–21
Job No.	21029

Drawing No.
C–6
of 7