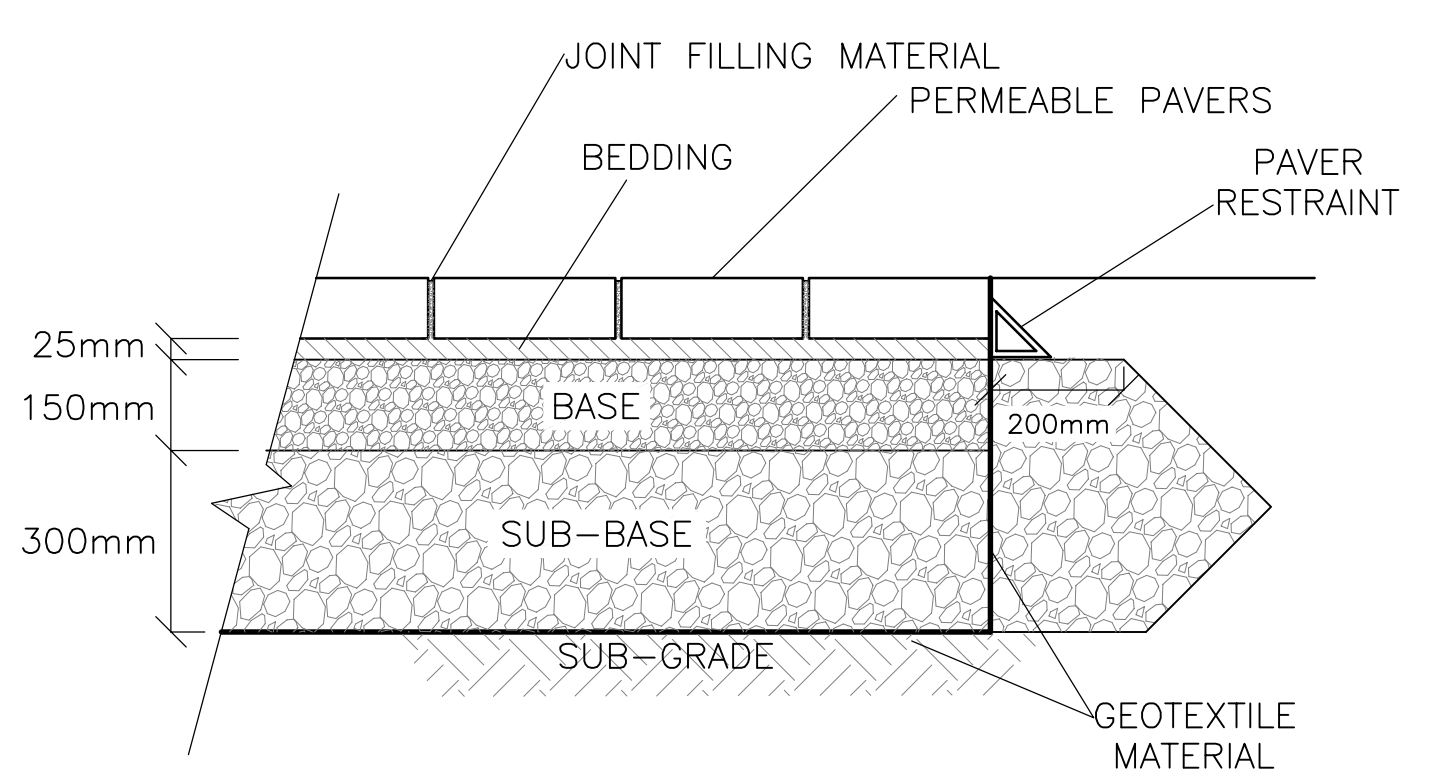


SILT FENCE BARRIER
AS PER OPSD 219.110
(MODIFIED FOR FROZEN GROUND)
N.T.S.

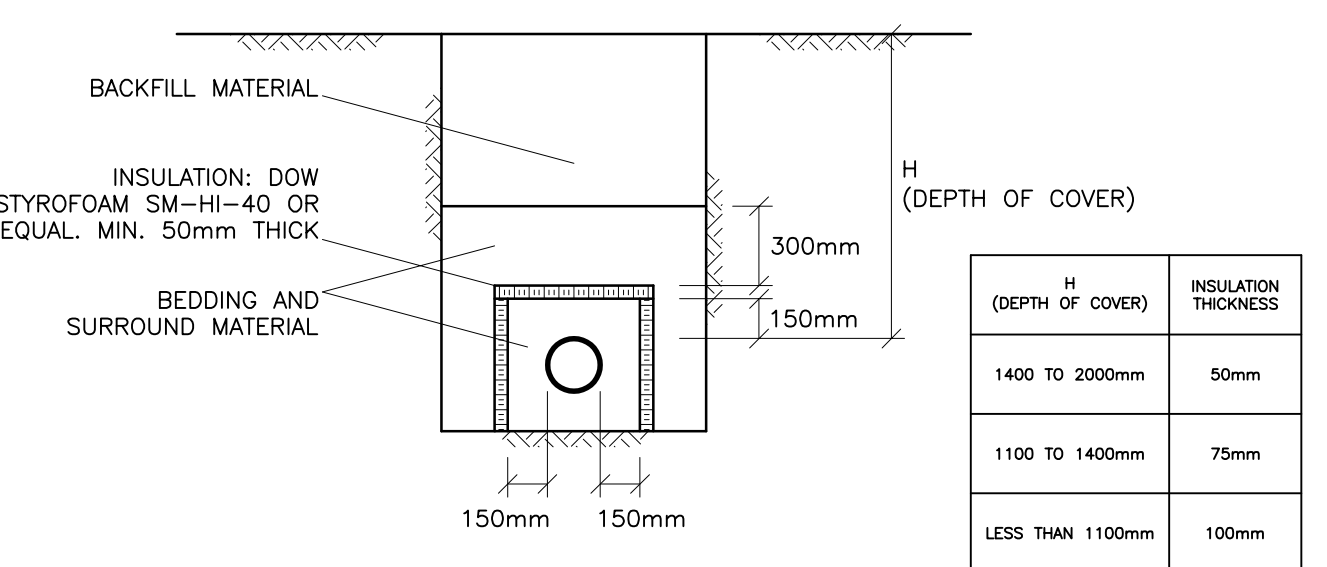


PERMEABLE PAVERS
N.T.S

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

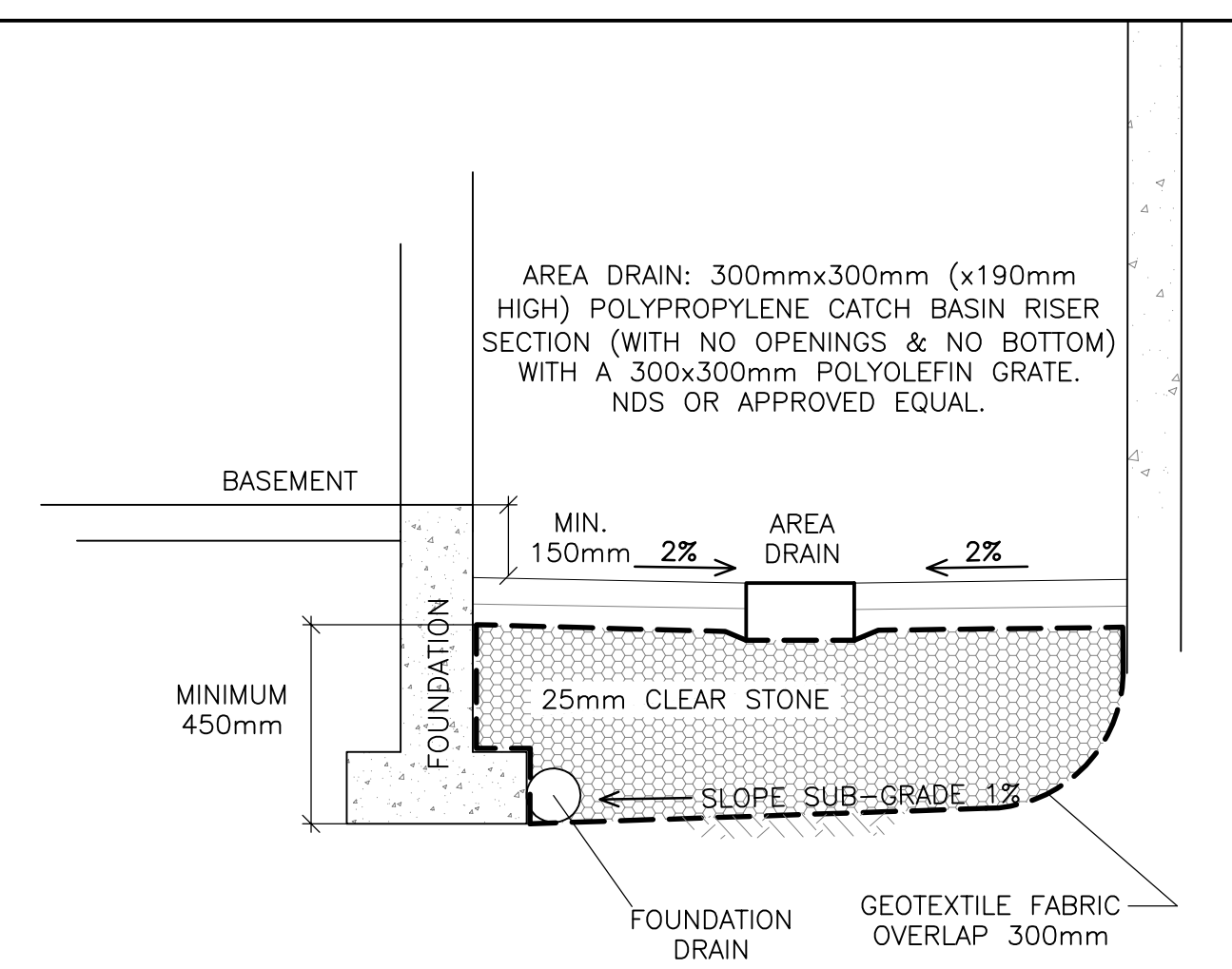
PERMEABLE PAVERS BY UNILOCK LIMITED OR APPROVED EQUAL
 PAVERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS
 WITH BUTT JOINTS OF APPROXIMATELY 3mm, ON A SAND BASE. SAW CUT PAVERS AS REQUIRED.
 USE AN APPROVED VIBRATORY COMPACTOR IN A CIRCULAR PATTERN.
 ALL DAMAGED OR CHIPPED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

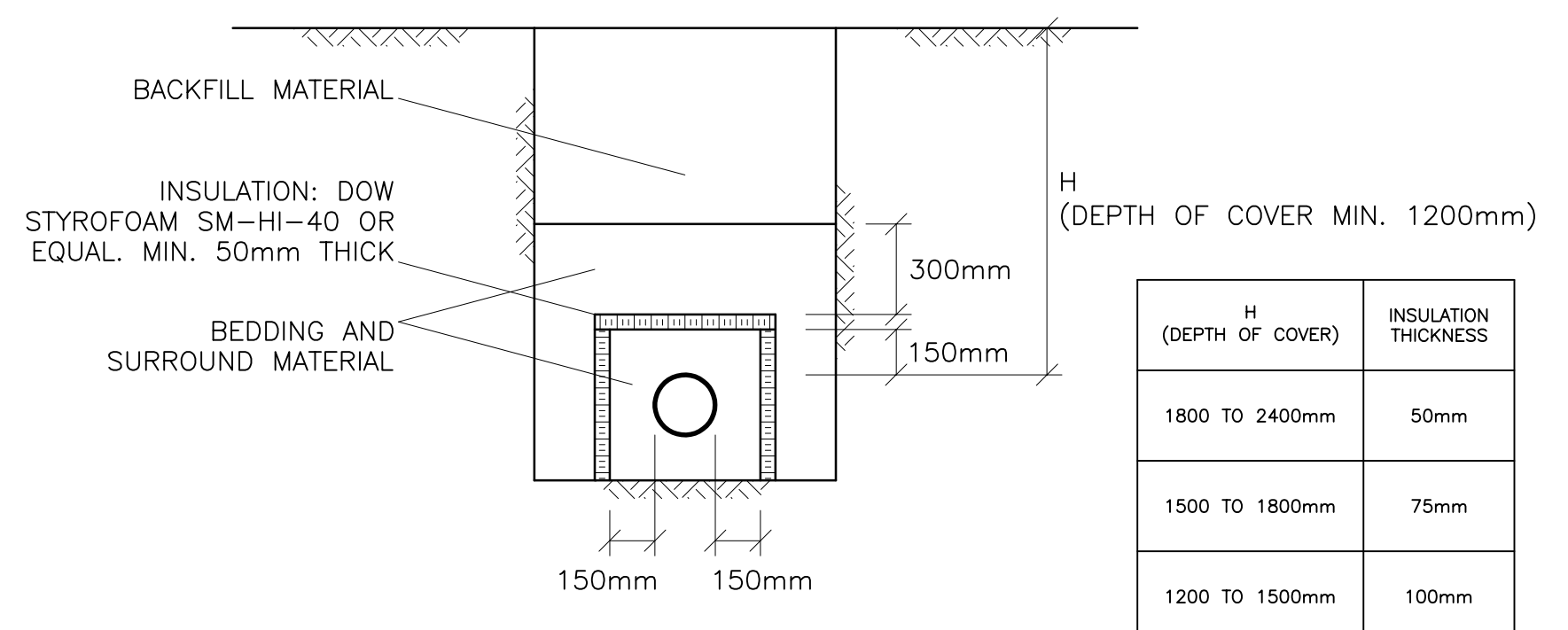


INSULATE SEWER AS INDICATED AND WHERE DEPTH OF COVER IS LESS THAN 2000mm. CENTER INSULATION OVER PIPE. JOINTS BETWEEN SHEETS OF INSULATION SHALL BE STAGGERED.

INSULATION OF SEWERS & SERVICE CONNECTIONS IN SHALLOW TRENCHES
N.T.S

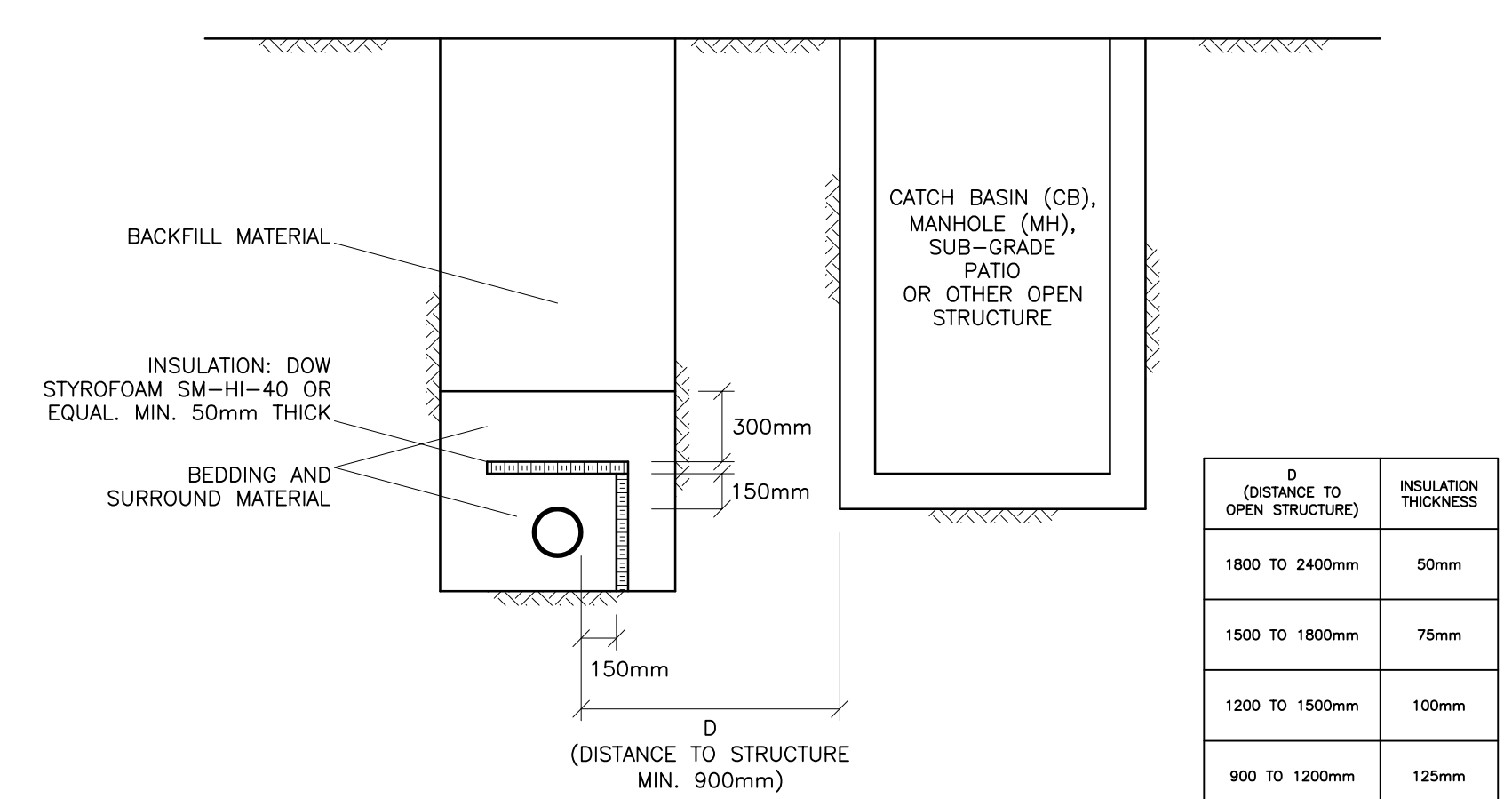


SUBGRADE PATIO DRAINAGE DETAIL
TYPICAL
N.T.S.



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.

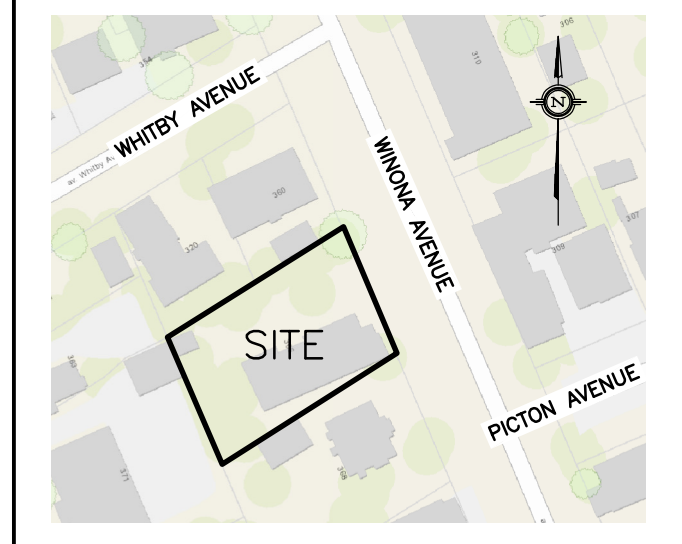
INSULATION OF WATERMAINS & WATER SERVICE CONNECTIONS IN SHALLOW TRENCHES
AS PER CITY OF OTTAWA DRAWING No. W22
N.T.S



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 AND SUB-GRADE PATIOS
AS PER CITY OF OTTAWA DRAWING No. W23
N.T.S

KEY PLAN

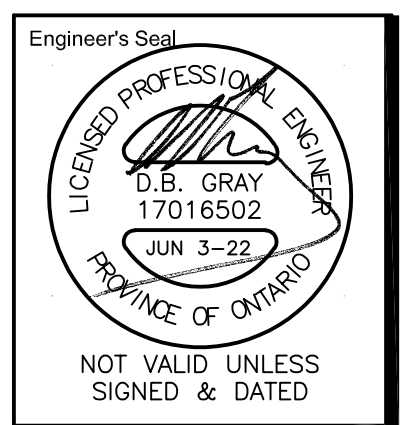


No.	DATE	REVISION
2	JUN 3-22	ISSUED FOR APPROVAL
1	MAY 12-22	ISSUED FOR COORDINATION

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

Project
PROPOSED 3-STORY (4-LEVEL) APARTMENT BUILDING
366 WINONA AVENUE
OTTAWA, ONTARIO

DETAILS



Drawn D.B.G.
H. Scale 1:100
V. Scale
Date MAY 12-22
Job No. 21142

Drawing No.
C-5 of 7

NOT VALID UNLESS SIGNED & DATED