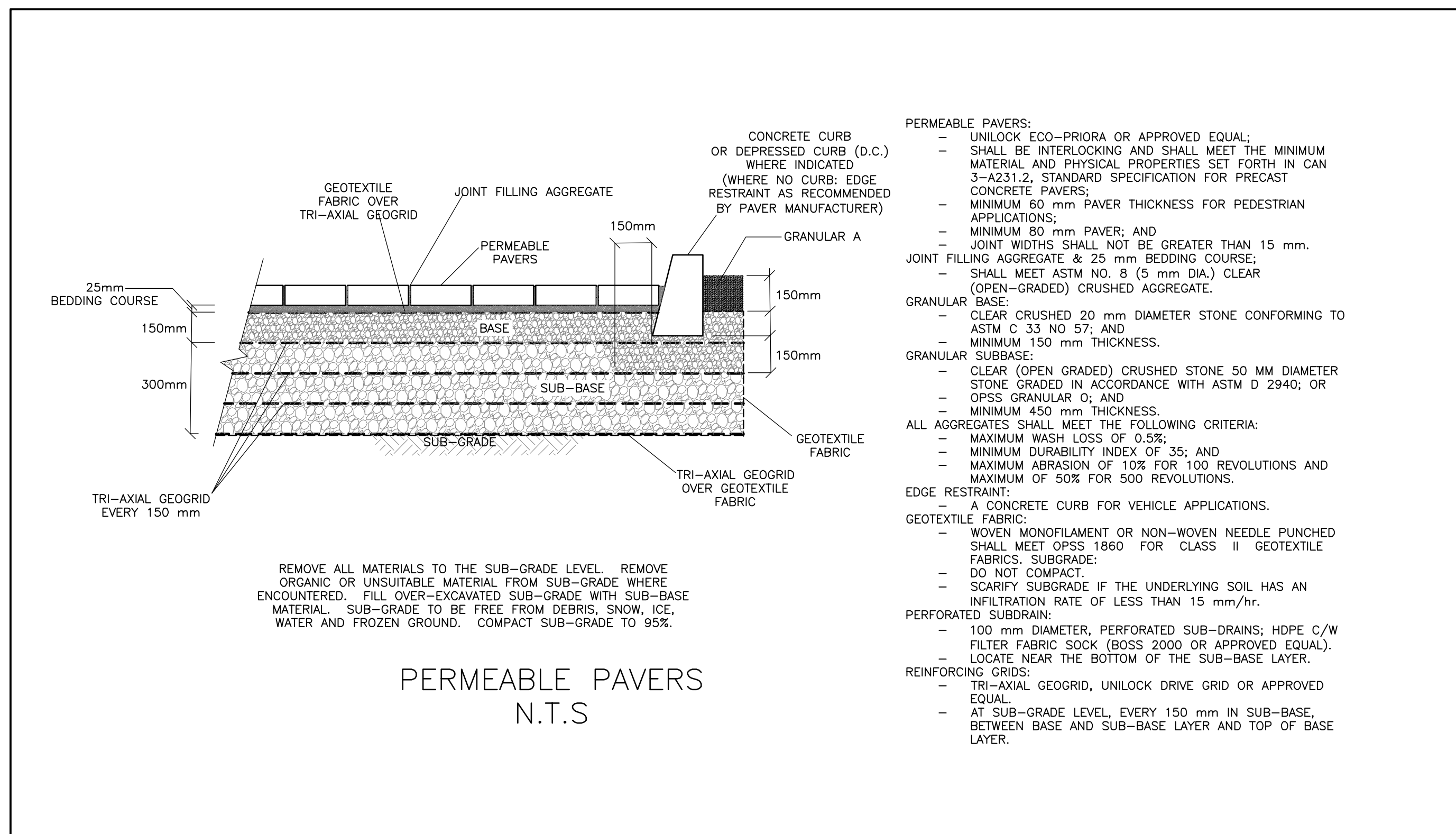
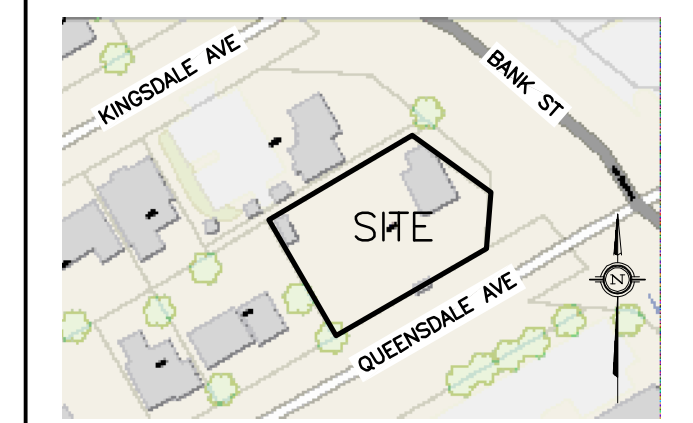


# WATER SERVICE PROFILE TABLE

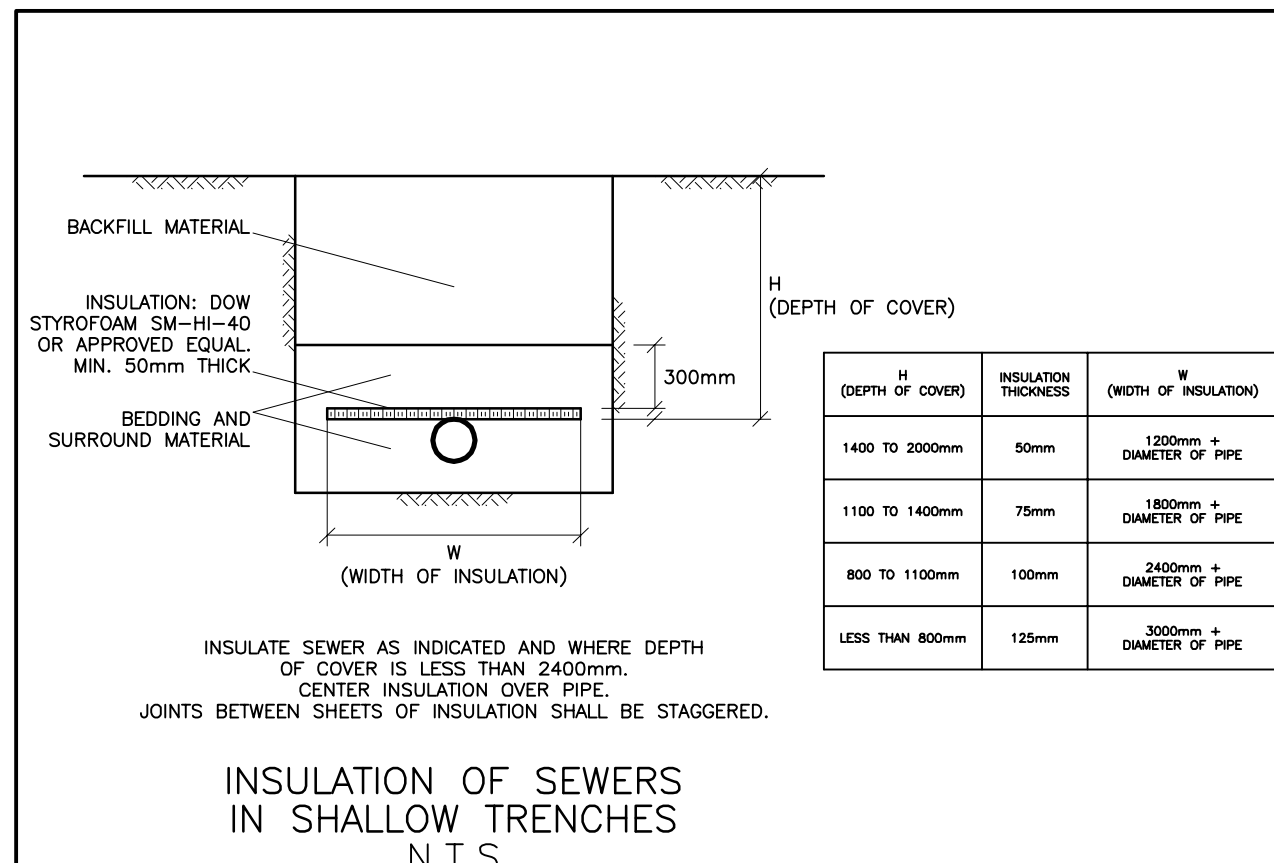
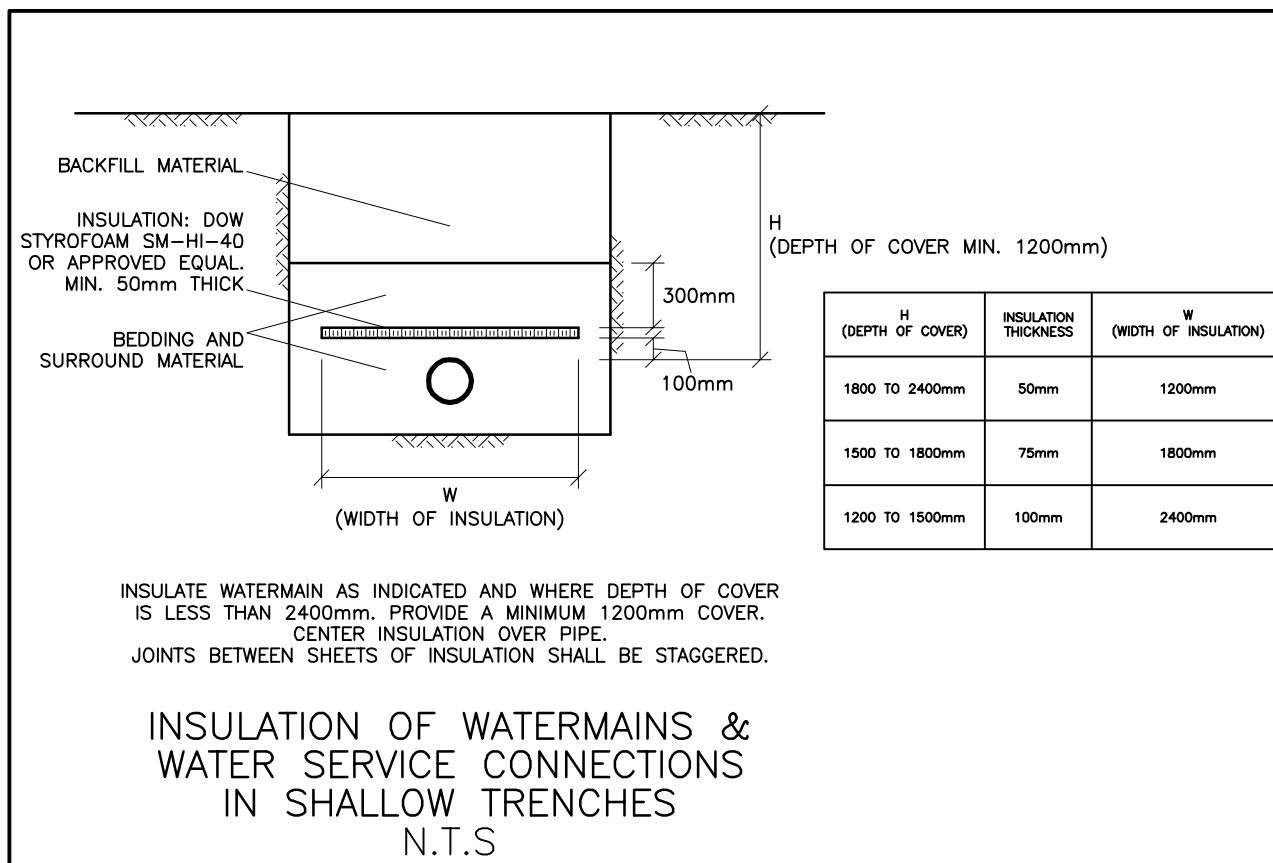
**MATERIAL:**  
150mm PVC PRESSURE CLASS 150 DR18

STATION	DESCRIPTION	GRADE ELEVATION	TOP OF PIPE	DEPTH OF COVER	NOTES
A+00.0	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	-	±93.01	90.61	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	93.22	90.61	2.61	ON PROPERTY LINE
A+11.8 B+00.0	150mm x 150mm TEE (TO FIRE HYDRANT) TO CITY OF OTTAWA STANDARDS	93.25	90.61	2.64	-
A+13.8	-	94.21	90.61	3.60	ENTRY INTO BUILDING
B+00.0 A+11.8	150mm x 150mm TEE (TO FIRE HYDRANT) TO CITY OF OTTAWA STANDARDS	93.23	90.61	2.62	-
B+3.7	150mm VALVE & VALVE BOX TO CITY OF OTTAWA STANDARDS	93.14	90.61	2.53	-
B+11.8	FIRE HYDRANT TO CITY OF OTTAWA STANDARDS	93.18	90.61	2.57	-

### KEY PLAN



- PERMEABLE PAVERS:**
- UNILOCK ECO-PRIORA OR APPROVED EQUAL;
  - SHALL BE INTERLOCKING AND SHALL MEET THE MINIMUM MATERIAL AND PHYSICAL PROPERTIES SET FORTH IN CAN 3-A231.2, STANDARD SPECIFICATION FOR PRECAST CONCRETE PAVERS;
  - MINIMUM 60 mm PAVES THICKNESS FOR PEDESTRIAN APPLICATIONS;
  - MINIMUM 80 mm PAVES, AND
  - JOINT WIDTHS SHALL NOT BE GREATER THAN 15 mm.
- JOINT FILLING AGGREGATE & 25 mm BEDDING COURSE;**
- SHALL MEET ASTM NO. 8 (5 mm DIA.) CLEAR (OPEN-GRADED) CRUSHED AGGREGATE.
- GRANULAR BASE:**
- CLEAR CRUSHED 20 mm DIAMETER STONE CONFORMING TO ASTM C 33 NO 57; AND
  - MINIMUM 150 mm THICKNESS.
- GRANULAR SUBBASE:**
- CLEAR (OPEN GRADED) CRUSHED STONE 50 MM DIAMETER STONE GRADED IN ACCORDANCE WITH ASTM D 2940; OR
  - OPSS GRANULAR O; AND
  - MINIMUM 450 mm THICKNESS.
- ALL AGGREGATES SHALL MEET THE FOLLOWING CRITERIA:**
- MAXIMUM WASH LOSS OF 0.5%;
  - MINIMUM DURABILITY INDEX OF 35; AND
  - MAXIMUM ABRASION OF 10% FOR 100 REVOLUTIONS AND MAXIMUM OF 50% FOR 500 REVOLUTIONS.
- EDGE RESTRAINT:**
- A CONCRETE CURB FOR VEHICLE APPLICATIONS.
- GEOTEXTILE FABRIC:**
- WOVEN MONOFILAMENT OR NON-WOVEN NEEDLE PUNCHED SHALL MEET OPSS 1860 FOR CLASS II GEOTEXTILE FABRICS. SUBGRADE:
  - DO NOT COMPACT.
  - SCARIFY SUBGRADE IF THE UNDERLYING SOIL HAS AN INFILTRATION RATE OF LESS THAN 15 mm/hr.
- PERFORATED SUBDRAIN:**
- 100 mm DIAMETER, PERFORATED SUB-DRAINS; HOPE C/W FILTER FABRIC SOCK (BOSS 2000 OR APPROVED EQUAL).
  - LOCATE NEAR THE BOTTOM OF THE SUB-BASE LAYER.
- REINFORCING GRIDS:**
- TRI-AXIAL GEOGRID, UNILOCK DRIVE GRID OR APPROVED EQUAL.
  - AT SUB-GRADE LEVEL, EVERY 150 mm IN SUB-BASE, BETWEEN BASE AND SUB-BASE LAYER AND TOP OF BASE LAYER.



# 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
CB/MH-1	92.32	CDS PMSU2015-4	PRECAST CONCRETE CATCH-BASIN/MANHOLE	-	90.07	TO OPSPD 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 OPSPD 401.010
MH-2	92.91	1200mm	PRECAST CONCRETE MANHOLE	89.99(NW)	89.99(NE)	TO OPSPD 701.010 & CITY OF OTTAWA STANDARDS - FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSPD 401.010

## STORM SEWER

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

### DETAILS & SCHEDULES

Engineer's Seal

NOT VALID UNLESS SIGNED & DATED

Drawn D.B.G.  
H. Scale  
V. Scale  
Date MAR 22-24  
Job No. 23019

Drawing No.  
**C-7**  
of 8