

	Table 1 - I	Rigid Insulation	Recommendation	for	Storm	Sewer	Pipes	with
	Reduced So	il Cover						
Γ	Thermal Soil Cover		lı	Insulation Dimensions				
	HIEHHai	Provided	Thickness		F	vtension	1	

Condition	Provided	Thickness	Extension
Condition	(mm)	(mm)	(mm)
	600 to 900	125	Extend 1200 mm horizontally
	000 10 900	125	beyond edge face of the sewer
	900 to 1200	100	Extend 1200 mm horizontally
	300 10 1200	100	beyond edge face of the sewer
Unheated	1200 to 1500	75	Extend 900 mm horizontally
Officated	1200 to 1300	73	beyond edge face of the sewer
	1500 to 1800	50	Extend 600 mm horizontally
	1300 10 1000	30	beyond edge face of the sewer
	1800 to <2100	25	Extend 300 mm horizontally
	1800 to <2100	25	beyond edge face of the sewer
Notes: All de	signs are based on a fr	eezing index	of 1000°C-days

All rigid insulation should consist of either Dow Chemical High-Load 40 (HI-40), Styro Rail SR.P400, or equivalent approved by Paterson. The placement of all insulation within the service trenches must be reviewed and approved by Paterson personnel at the time of

> RIGID INSULATION TO CONFORM TO GEOTECHNICAL MEMO COMPLETED BY PATTERSON, DATED OCTOBER 11, 2023

WATER	COVER	ΓABLE		
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	COVER
WATERMAIN CONNECTION	0+100.00	66.23	64.00	2.23
VALVE	0+114.39	66.23	64.00	2.23
BUILDING	0+163.72	67.70	64.50	3.20

	CROSSING CONFLICT TABLE	
LOCATION	DESCRIPTION	SEPARATION
1	200mmØ STM SERVICE INV 64.70 200mmØ SAN MAIN TOP 64.00	0.70
2	250mmØ STM SERVICE INV 64.70 200mmØ SAN MAIN TOP 64.05	0.65
3	250mmØ STM SERVICE INV = 64.83 200mmØ WTR MAIN TOP = 64.00	0.83
4	250mmØ STM SERVICE INV 64.85 200mmØ SAN MAIN TOP 64.45	0.40
5	450mmØ STM SERVICE INV = 64.86 200mmØ WTR MAIN TOP = 64.10	0.76

STORM STRUCTURE TABLE

NW. OUT = 64.94 | 600mm X 600mm | OPSD 705.010

300mmØ

300mmØ

3000mmØ

1200mmØ

1200mmØ

1200mmØ

600mm X 600mm

INVERTS

SE. OUT = 64.92

S. IN = 65.59

N. OUT = 65.50

NW. OUT = 64.78

N. OUT = 65.55

E. OUT = 66.18

W. IN = 65.75

N. OUT = 65.70

W. IN = 64.56

NE. OUT = 64.55 SE. IN = 64.83

NW. IN = 64.83

S. IN = 65.11

NE. OUT = 65.00

SW. IN = 64.68

SW. IN = 64.68

SE. IN = 64.68

SW. IN = 63.80

NE. OUT = 63.79

MHSA 200

65.93

NE. OUT = 64.67

SW. IN = 64.59

E. OUT = 64.57

COVER CITY STD S24

OPSD 701.010

1200mmØ

SW. OUT = 65.24

NE. OUT = 64.76

STRUCTURE SIZE | STRUCTURE TYPE | FRAME & COVER

OPSD 705.010

CITY STD S31

CITY STD S31

CITY STD S30

OPSD 701.010

OPSD 701.010

OPSD 701.010

OPSD 701.010

CITY STD S19

CITY STD S19

CITY STD S19

CITY STD S19

CITY STD S31

CITY STD S31

CITY STD S30

OVER CITY STD

FRAME CITY STD 25

FRAME CITY STD 25

COVER CITY STD

COVER CITY STD

FRAME CITY STD 25

FRAME CITY STD 25

EFO10(OR APPROVED
FOLIVALENT)

MANUFACTURER
APPROVED EQUIVALENT

600mm X 600mm | OPSD 705.010

600mm X 600mm OPSD 705.010

	RPOOLCI		
	NEWMARKET STREET	INNES ROAD	
OCATION	PLAN		
EGEND			
ELSCB#	LANDSCAPING CATCHBAS	SIN =====	PROPERTY LINE
CBMH# T/G	CATCHBASIN MANHOLE		– DRAINAGE SWALE
■CB# T/G	CATCHBASIN		EX. DRAINAGE DITCH
()MH	EX. SANITARY SEWER MA	NHOLE	EX. WATERMAIN
MH#A T/G	SANITARY SEWER MANHO	OLE	PROPOSED WATERMAIN
- ⊕ -HYD	FIRE HYDRANT		PROPOSED SANITARY SEW
•	EX. WATER VALVE		PROPOSED STORM SEWER
₩V	PROPOSED WATER VALVE	Ē	
	PROPOSED INSULATION		
	PROPOSED CULVERT OUT	LET	
	EX. WTM REDUCER		

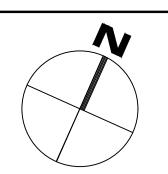
NOT FOR CONSTRUCTION

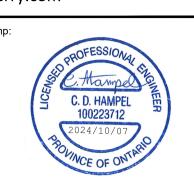
7	REVISED PER CITY COMMENTS	2024.10.07
6	REVISED PER CITY COMMENTS	2024.08.15
5	REVISED PER CITY COMMENTS	2024.03.11
4	ISSUED FOR SITE PLAN CONTROL	2024.01.17
3	REVISED PER UPDATED SITE PLAN	2023.11.15
2	REVISED PER CITY COMMENTS	2023.10.06
1	ISSUED FOR SITE PLAN APPLICATION	2023.08.04
No.	Revisions	Date
Check before	and verify all dimensions proceeding with the work Do no	ot scale drawings

SCALE 1:500

McINTOSH PERRY

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BBS CONSTRUCTION 1805 WOODWARD DRIVE OTTAWA, ON K2C 0P9

BOONE PLUMBING WAREHOUSE 1560 STAR TOP ROAD

SITE SERVICING PLAN

Scale:	1:500	Project Number:	
Drawn By:	M.R.	1	CCO-23-3725
Checked By:	C.H.	Drawing Number:	Original Date:
Designed By:	M.R.	1 ss	2023.08.04