

- 8. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ON SITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON
- SEWERS & APPURTENANCES. 9. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER

able	1	-	Rigid	Insulation	Recommendations	for	Storm	Sewer	<b>Pipes</b>	with
educed Soil Cover										

Thermal	Soil Cover	Insulation Dimensions			
Condition	Provided	Thickness	Extension		
Condition	(mm)	(mm)	(mm)		
	600 to 900	125	Extend 1200 mm horizontally		
	000 10 900	123	beyond edge face of the sewer		
	900 to 1200	100	Extend 1200 mm horizontally		
	300 to 1200	100	beyond edge face of the sewer		
Unheated	1200 to 1500	75	Extend 900 mm horizontally		
Officated			beyond edge face of the sewer		
	1500 to 1800	50	Extend 600 mm horizontally		
	1300 to 1000	30	beyond edge face of the sewer		
	1800 to <2100	25	Extend 300 mm horizontally		
	1000 to \2100	23	beyond edge face of the sewer		
Notes: All designs are based on a freezing 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 TABLE					
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

E. OUT = 64.76

S. IN = 65.11

W. IN = 64.68

SW. IN = 64.68

SE. IN = 64.68

NE. OUT = 64.67

SW. IN = 64.57

E. OUT = 64.57

1200mmØ

NE. OUT = 63.79

NE. OUT = 65.00

SW. OUT = 65.24

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

COVER CITY STD

FRAME CITY STD 25

COVER CITY STD

FRAME CITY STD 25

FRAME CITY STD 25

EFO10(OR APPROVED MANUFACTURER APPROVED EQUIVALENT)

600mm X 600mm | OPSD 705.010

600mm X 600mm OPSD 705.010

MICHAEL STREET	LIVER POOL CI	ALGOMA ROA	STAR TOP ROAD	High Mark 12.7
LOCATION	PLAN	INNES ROAD		
LEGEND				
ESCB#	LANDSCAPING CATCHBASI	N	PROF	PERTY LINE
CBMH# T/G	CATCHBASIN MANHOLE		——— DRAI	NAGE SWALE
■CB# T/G	CATCHBASIN		· — · — EX. DF	RAINAGE DITCH
·MH	EX. SANITARY SEWER MAN	NHOLE	EX. W	ATERMAIN
MH#A T/G	SANITARY SEWER MANHO	LE	PROP	OSED WATERMAIN
- <b>∳</b> -HYD	FIRE HYDRANT		PROP	OSED SANITARY SEWER
•	EX. WATER VALVE		——— PROP	OSED STORM SEWER
<b>⊕</b> W∨	PROPOSED WATER VALVE			
$\mathbb{Z} \times \mathbb{X}$	PROPOSED INSULATION			

PROPOSED CULVERT OUTLET

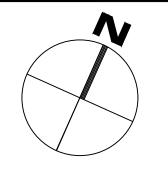
EX. WTM REDUCER

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	Check and verify all dimensions before proceeding with the work  Do not		

SCALE 1:500

## McINTOSH PERRY

115 Walgreen Road, RR3, Carp, ON KOA 1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com





**BBS CONSTRUCTION** 1805 WOODWARD DRIVE OTTAWA, ON K2C 0P9

**BOONE PLUMBING WAREHOUSE** 1560 STAR TOP ROAD

SITE SERVICING PLAN

				7
Scale:	1:500	Project Number:		3-(
Drawn By:	M.R.		CCO-23-3725	2-2
Checked By:	C.H.	Drawing Number:		7-1
Designed By:	M.R.	]	SS	