

- 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 COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL
 - . DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.

Table 1 - Rigid Insulation Recommendations for Storm Sewer Pipes with

| Reduced Soil Cover | | | | |
|---|---------------|-----------------------|-------------------------------|--|
| Thermal | Soil Cover | Insulation Dimensions | | |
| Condition | Provided | Thickness | Extension | |
| Condition | (mm) | (mm) | (mm) | |
| | 600 to 900 | 125 | Extend 1200 mm horizontally | |
| | | | beyond edge face of the sewer | |
| | 900 to 1200 | 100 | Extend 1200 mm horizontally | |
| Unheated | | | beyond edge face of the sewer | |
| | 1200 to 1500 | 75 | Extend 900 mm horizontally | |
| | | | beyond edge face of the sewer | |
| | 1500 to 1800 | 50 | Extend 600 mm horizontally | |
| | | | beyond edge face of the sewer | |
| | 1800 to <2100 | 25 | Extend 300 mm horizontally | |
| | | | 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 450mmØ STM SERVICE INV = 64.86 | 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

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

FRAME CITY STD 25

COVER CITY STD

COVER CITY STD

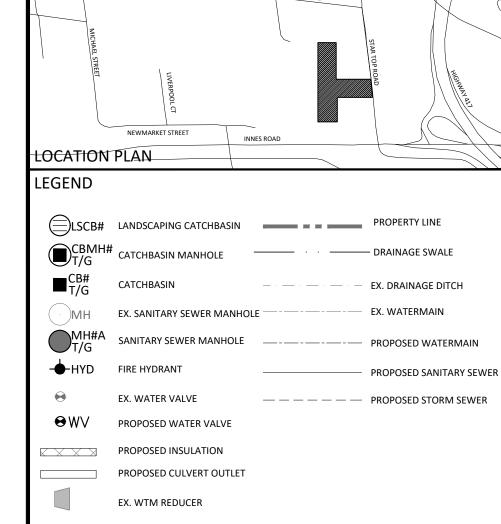
FRAME CITY STD 25

FRAME CITY STD 25

EFO10(OR APPROVED MANUFACTURER
FOLITVALENT) APPROVED EQUIVALENT

600mm X 600mm | OPSD 705.010

600mm X 600mm OPSD 705.010



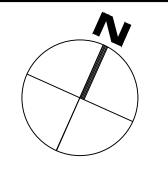
NOT FOR CONSTRUCTION

| 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 and verify all dimensions before proceeding with the work | | 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: | 1 |
| Designed By: | M.R. | | SS |