

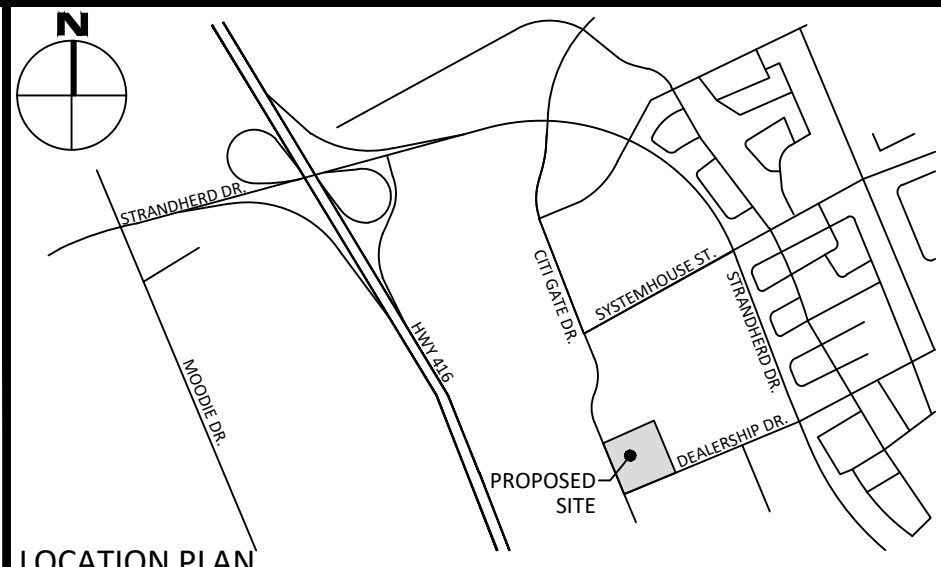
1. CONSTRUCT ALL SEWERS AND APPURTENANCES TO CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR AS PER STANDARD STANDARDS.
2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
3. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
4. SUB-BEDDING, IF REQUIRED SHALL BE AS PER THE DIRECTION OF A GEO TECHNICAL ENGINEER.
5. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
6. TO MINIMIZE DISCONTINUITY FROM HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0m BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
7. SEWERS AND CONNECTIONS 150mm DIAMETER AND SMALLER TO BE PVC SD 28 OR 30 UNDEVELOPED EQUIVALENT. SEWERS AND CONNECTIONS 200mm DIAMETER AND LARGER TO BE PVC SD 36 OR APPROVED EQUIVALENT.
8. INSULATE ALL SEWERS AND/OR SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.30.
9. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1.0m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"x8" LONG MARKER.
10. CONTRACTOR TO TELEVIEW (CTV) ALL PROPOSED SEWERS ONSITE, OUTLET CONNECTION TO TRENCH AND TO PIPES 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
11. DYE TESTING IS TO BE COMPLETED ON SANITARY SEWER TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
12. ALL CATCH BASINS EXCLUDING MANHOLE LEADS ARE TO BE MINIMUM 200mmØ WITH MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED.
13. ALL CATCH BASINS EXCLUDING LANDSCAPE CATCH BASINS ARE TO HAVE 150mm Ø DOWNHOLE FOR 3.0m ON ALL AVAILABLE SITES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'.

1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY OR TOWNSHIP STANDARDS.
2. INDUSTRIAL-COMMERCIAL TYPE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL CONFORM TO ASTM 888 TYPE 'K' SOFT.
3. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
4. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
5. USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.
6. CONNECTION TO EXISTING BY CITY OR TOWNSHIP FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR.
7. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
8. THERMAL INSULATION OF WATERMAINS UNDER ROAD SIDE DITCHES AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.
9. SWABING, CHLORINATION AND CONTINUITY TESTING FOR PROPOSED WATER SERVICES IS TO FOLLOW CITY OF OTTAWA SPECIAL PROVISIONS (SPS-4451 & SPS-4494).

| CROSSING CONFLICT TABLE |                               |            |
|-------------------------|-------------------------------|------------|
| LOCATION                | DESCRIPTION                   | SEPARATION |
| 1                       | 525mmØ STM SEWER INV 93.70    | 0.15       |
|                         | 200mmØ SAN SERVICE OBV 93.55  |            |
| 2                       | 525mmØ STM SEWER INV 93.70    | 0.44       |
|                         | 50mmØ WATER SERVICE TOP 93.26 |            |
| 3                       | 250mmØ WATERMAIN INV 93.66    | 1.46       |
|                         | 200mmØ SAN SERVICE OBV 92.20  |            |

| WATER COVER TABLE |          |                |             |               |
|-------------------|----------|----------------|-------------|---------------|
| LOCATION          | STATION  | FINISHED GRADE | TOP OF PIPE | DEPTH OF PIPE |
| A - 250 x 50 TEE  | 0+000.00 | 96.790         | 94.390      | 2.400         |
| VALVE             | 0+010.00 | 96.990         | 94.590      | 2.400         |
| 11.25" BEND       | 0+011.40 | 96.890         | 94.490      | 2.400         |
| BUILDING          | 0+059.31 | 96.000         | 93.600      | 2.400         |
| B - 250 x 150 TEE | 0+000.00 | 96.000         | 93.600      | 2.400         |
| VALVE             | 0+021.85 | 95.980         | 93.580      | 2.400         |
| HYDRANT           | 0+024.85 | 95.900         | 93.500      | 2.400         |


| NAME  | RIM ELEV. | INVERT IN | INVERT OUT | DESCRIPTION   |
|-------|-----------|-----------|------------|---|
| MMH1A | 96.88     | NE92.800  | W92.228    | MONITORING MANHOLE<br>COVER CITY STD S24<br>FRAME CITY STD S25<br>STRUC. OPSD 701.010 |



|     |                                      |  |
|-----|--------------------------------------|--|
| DC  | BARRIER CURB                         | SILT FENCE<br>(AS PER PSD 219.130)           |
|     | CURB DEPRESSION                      | STRAW BALE CHECK DAM<br>(AS PER PSD 219.180) |
|     | MOUNTABLE CURB                       | BUILDING ENTRANCES<br>(MAIN, SIDE, OVERHEAD) |
|     | EASEMENT                             | WATER COVER TABLE POINT                      |
|     | HEAVY DUTY ASPHALT                   | CROSSING CONFLICT TABLE<br>LOCATION          |
|     | CONCRETE SIDEWALK                    | ROOF DOWNSPOUT<br>LOCATION                   |
|     | PAVING STONE                         |  |
|     | STORM MANHOLE                        |  |
| CB# | DIG#                                 |  |
|     | CATCHBASIN OR DITCH INLET            |  |
|     | LANDSCAPE CATCHBASIN                 |  |
|     | SANITARY MANHOLE                     |  |
|     | PERFORATED PIPE IN SWALES            |  |
|     | WATER VALVE/CHAMBER                  |  |
|     | FIRE HYDRANT                         |  |
|     | CENTRELINE OF SWALE                  |  |
|     | SLOPING AT 3:1<br>(UNLESS SPECIFIED) |  |
|     | PROPOSED ELEVATION                   |  |
|     | EXISTING ELEVATION                   |  |
|     | SWALE ELEVATION                      |  |
|     | TOP OF WALL ELEVATION                |  |
|     | BOTTOM OF WALL ELEVATION             |  |
|     | EMERGENCY O/D/RLAND<br>FLOW ROUTE    |  |

|     |                                    |                |
|-----|------------------------------------|----------------|
|     |                                    |                |
|     |                                    |                |
|     |                                    |                |
|     |                                    |                |
| 3   | REVISED AS PER SITE PLAN ADDITIONS | NOV. 19, 2011  |
| 2   | REVISED AS PER CITY COMMENTS       | SEPT. 18, 2011 |
| 1   | ISSUED FOR SITE PLAN CONTROL       | JUN. 25, 2011  |
| No. | Revisions                          | Date           |

SCALE 1 : 500



0 10 20 30 40 50 Metre

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Client: **BBS CONSTRUCTION LTD.**  
1805 WOODWARD DRIVE  
OTTAWA, ON K2C 0P9

Drawing Title:

SITE SERVICING PLAN

|              |        |                 |            |
|--------------|--------|-----------------|------------|
| Scale:       | 1:500  | Project Number: | CP-18-0254 |
| Drawn By:    | P.G.K. |                 |            |
| Checked By:  | R.P.K. | Drawing Number: | C102       |
| Designed By: | P.G.K. |                 |            |

D07-12-18-0102