

**LEGEND**

|     |   |     |   |
|-----|---|-----|---|
| --- | PROPERTY LINE                                     | --- | PROPOSED TRENCH DRAIN                   |
| --- | PROPOSED CURB                                     | --- | PROPOSED BUILDING ENTRANCE              |
| --- | PROPOSED DEPRESSED CURB                           | --- | DIRECTION OF FLOW                       |
| --- | PROPOSED TACTILE WALKING SURFACE INDICATOR (TWSI) | --- | PROPOSED RETAINING WALL C/W GUARD RAIL  |
| --- | PROPOSED CAP                                      | --- | PIPE CROSSING (REFER TO CROSSING TABLE) |
| --- | PROPOSED SANITARY SEWER C/W MANHOLE               | --- | PROPOSED SWALE                          |
| --- | PROPOSED STORM SEWER C/W MANHOLE                  | --- | PROPOSED TERRACING                      |
| --- | PROPOSED CATCHBASIN MANHOLE                       | --- | EXISTING UTILITY POLE C/W GUY WIRES     |
| --- | PROPOSED CATCHBASIN                               | --- | EXISTING WATERMAIN C/W WATER VALVE      |
| --- | PROPOSED LANDSCAPE DRAIN                          | --- | EXISTING HYDRANT C/W VALVE & LEAD       |
| --- | PROPOSED AREA DRAIN                               | --- | EXISTING SANITARY MANHOLE & SEWER       |
| --- | PROPOSED INLET CONTROL DEVICE                     | --- | EXISTING STORM MANHOLE & SEWER          |
| --- | PROPOSED SIAMENSE CONNECTION                      | --- | EXISTING CATCHBASIN                     |
| --- | PROPOSED WATER MAIN                               | --- | EXISTING OVERHEAD WIRES                 |
| --- | PROPOSED HYDRANT C/W LEAD & VALVE                 | --- | EXISTING STREETLIGHT                    |
| --- | PROPOSED VALVE AND VALVE BOX                      |     |   |
| --- | PROPOSED WATER METER                              |     |   |
| --- | PROPOSED REMOTE WATER METER                       |     |   |
| --- | PROPOSED REMOVAL                                  |     |   |

**PROPOSED WATERMAIN (200mmØ DOMESTIC SERVICE TABLE)**

| STATION | SURFACE ELEVATION | TWM ELEVATION | COMMENTS  |
|---------|-------------------|---------------|---|
| 1+000.0 | 95.31             | *92.91        | CONNECTION TO EXISTING 200mmØ WM  |
| 1+001.5 | 95.34             | 92.94         | 45° HORIZONTAL BEND   |
| 1+002.9 | 95.38             | 92.98         | CROSS ABOVE 825mmØ SAN (0.99m CLEARANCE)                                      |
| 1+005.4 | 95.45             | 93.05         | 45° HORIZONTAL BEND   |
| 1+006.2 | 95.47             | 93.12         | CROSS ABOVE 165mmØ STM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE) |
| 1+009.2 | 95.40             | 93.88         | CROSS ABOVE 600mmØ WM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE)  |
| 1+018.6 | 95.37             | 92.97         | 200mmØ VALVE AND VALVE BOX  |
| 1+022.3 | 95.13             | 92.73         | CAP   |

**PROPOSED WATERMAIN (200mmØ DOMESTIC SERVICE TABLE)**

| STATION | SURFACE ELEVATION | TWM ELEVATION | COMMENTS  |
|---------|-------------------|---------------|---|
| 2+000.0 | 95.33             | 92.93         | CONNECTION TO EXISTING 200mmØ WM  |
| 1+002.7 | 95.40             | 93.00         | CROSS ABOVE 825mmØ SAN (0.99m CLEARANCE)                                      |
| 1+005.4 | 95.47             | 93.12         | CROSS ABOVE 165mmØ STM AS PER CITY OF OTTAWA STANDARD W25.2 (0.25m CLEARANCE) |
| 2+008.4 | 95.41             | 93.89         | CROSS ABOVE 600mmØ WM (0.26m CLEARANCE)                                       |
| 2+017.7 | 95.38             | 92.25         | 200mmØ VALVE AND VALVE BOX  |
| 2+021.5 | 95.13             | 95.13         | CAP   |

\*TOP OF EXISTING WATERMAIN ASSUMED 2.4m BELOW EXISTING GROUND. CONTRACTOR TO VERIFY AND REPORT ANY DISCREPANCIES TO PROJECT ENGINEER PRIOR TO CONSTRUCTION.

**PIPE CROSSING TABLE**

| CROSSING | LOWER PIPE              | HIGHER PIPE             | CLEARANCE |
|----------|-------------------------|-------------------------|-----------|
| ①        | 200mmØ SAN OBV = 93.29  | 300mmØ STM INV = 94.14  | 0.85m     |
| ②        | 600mmØ WM OBV = 93.90   | 450mmØ STM INV = 94.28* | 0.38m     |
| ③        | 165mmØ STM OBV = 92.68* | 200mmØ SAN INV = 93.67  | 0.99m     |
| ④        | 600mmØ WM OBV = 93.45   | 200mmØ SAN INV = 93.71  | 0.26m     |
| ⑤        | 600mmØ WM OBV = 93.44   | 300mmØ STM INV = 93.71  | 0.27m     |
| ⑥        | 825mmØ SAN OBV = 91.79* | 200mmØ WM INV = 92.80   | 1.01m     |
| ⑦        | 165mmØ STM OBV = 92.67* | 200mmØ WM INV = 92.92   | 0.25m     |
| ⑧        | 600mmØ WM OBV = 93.43   | 200mmØ WM INV = 93.69   | 0.26m     |
| ⑨        | 825mmØ SAN OBV = 91.79* | 200mmØ WM INV = 92.78   | 0.99m     |
| ⑩        | 165mmØ STM OBV = 92.67* | 200mmØ WM INV = 92.92   | 0.25m     |
| ⑪        | 600mmØ WM OBV = 93.43   | 200mmØ WM INV = 93.68   | 0.25m     |
| ⑫        | 600mmØ WM OBV = 93.41   | 375mmØ STM INV = 94.24  | 0.83m     |

\*INVERTS/OBVERTS ON CONCRETE PIPES ARE OUTSIDE DIAMETER

**ICDs**

| LOCATION | MODEL NO. / ORIFICE DIAMETER | 5-YEAR FLOW (L/S) | 5-YEAR HEAD (m) | 100-YEAR FLOW (L/S) | 100-YEAR HEAD (m) |
|----------|------------------------------|-------------------|-----------------|---------------------|-------------------|
| CBM# 105 | 152mm PLATE                  | 32.0              | 0.414           | 49.6                | 0.989             |

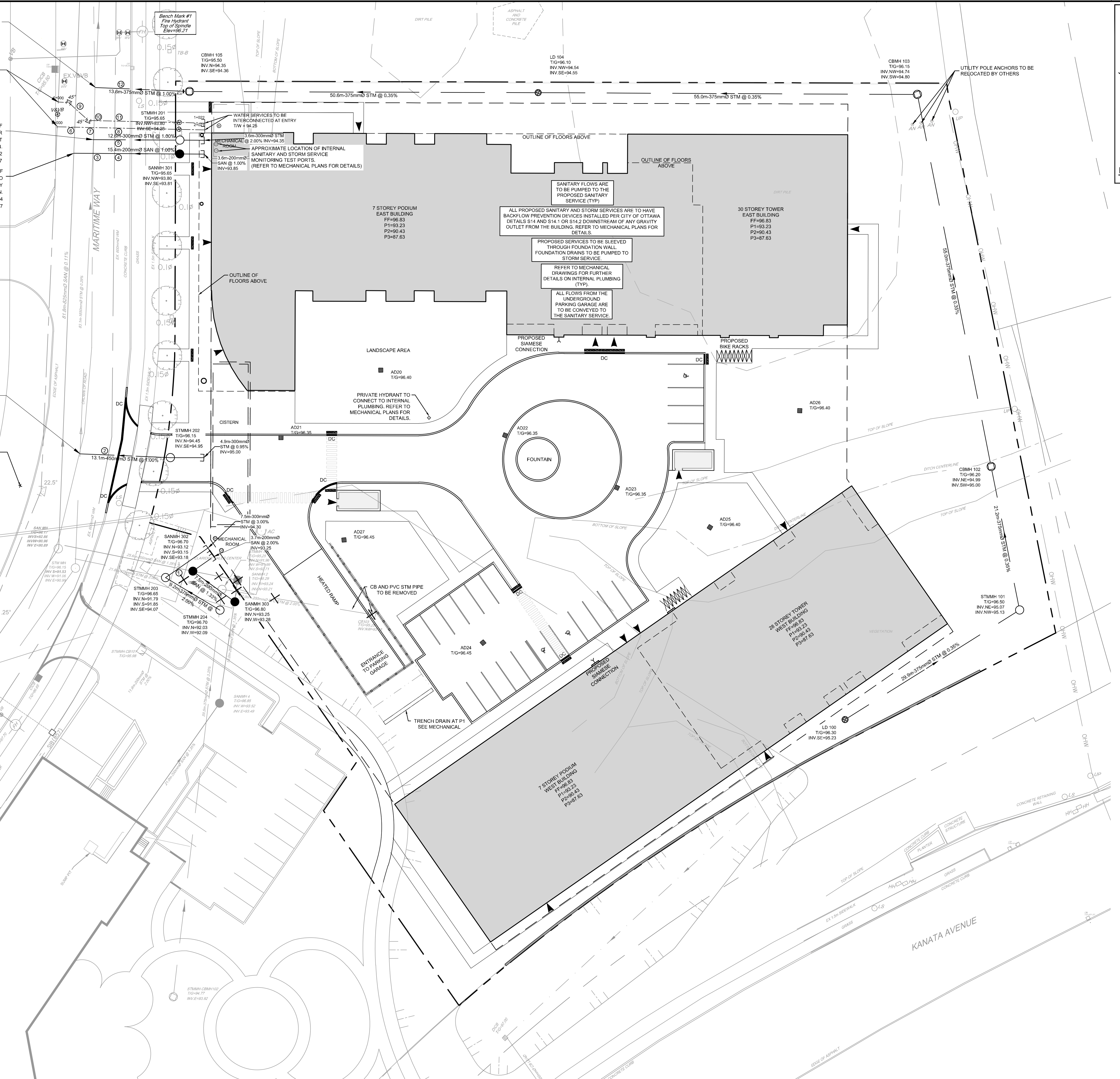
CONNECTED ABOVE SPRINGLINE OF 165mmØ STORM MAIN AS PER CITY OF OTTAWA DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 165mmØ STORM INVERT =+90.80. PROPOSED 375mmØ STORM INVERT =+92.08.

2 - 200mmØ PVC DR 18 WATER SERVICES TO BE CONNECTED TO EXISTING 200mmØ WATER MAIN BY CITY FORCES. EXCAVATION, BACKFILLING, AND REINSTATEMENT BY CONTRACTOR. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION & REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.

PROPOSED STM SERVICE TO CONNECT ABOVE SPRINGLINE OF 165mmØ STORM MAIN AS PER CITY DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 165mmØ STORM INVERT =+90.82. PROPOSED 300mmØ STORM INVERT =+92.17.

PROPOSED SANITARY SERVICE TO CONNECT ABOVE SPRINGLINE OF 825mmØ SANITARY MAIN AS PER CITY DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 825mmØ SANITARY INVERT =+90.84. PROPOSED 200mmØ SANITARY INVERT =+91.47.

PROPOSED STM SERVICE TO CONNECT ABOVE SPRINGLINE OF 165mmØ STORM MAIN AS PER CITY DETAIL S11. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION, AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. EXISTING 165mmØ STORM INVERT =+90.94. PROPOSED 450mmØ STORM INVERT =+92.14.



REFER TO 120144-ND FOR ADDITIONAL NOTES & DETAILS

NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**CLARIDGE HOMES**  
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210 GLADSTONE AVENUE,  
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K2P 0Y6.



**NOT FOR CONSTRUCTION**

| No. | REVISION                                     | DATE       | BY  |
|-----|--|------------|-----|
| 8.  | REVISED PER CITY COMMENTS                    | MAY 9/122  | GJM |
| 7.  | REVISED PER CITY COMMENTS                    | NOV 19/21  | GJM |
| 6.  | ISSUED FOR COORDINATION BASED ON URDP        | SEPT 23/21 | JAG |
| 5.  | ISSUED FOR CITY COMMENTS                     | JUL 07/21  | JAG |
| 4.  | ISSUED FOR COORDINATION                      | FEB 17/21  | JAG |
| 3.  | SUBMITTED WITH ZONING/SITE PLAN APPLICATIONS | JAN 25/21  | JAG |
| 2.  | RE-ISSUED FOR COORDINATION                   | JAN 22/21  | JAG |
| 1.  | ISSUED FOR COORDINATION                      | JAN 15/21  | JAG |

**SCALE**

1:250

**FOR REVIEW ONLY**

| REVISION | DATE | BY |
|----------|------|----|
| CHECKED  | JAG  |    |
| DRAWN    | GJM  |    |
| CHECKED  | CJF  |    |
| APPROVED | JAG  |    |
| APPROVED | GJM  |    |

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| LOCATION                            | DRAWING NAME             | PROJECT NO. |
|-------------------------------------|--------------------------|-------------|
| CITY OF OTTAWA<br>1200 MARITIME WAY | GENERAL PLAN OF SERVICES | 120144      |
|                                     |                          | REV # 8     |
|                                     |                          | DRAWING NO. |
|                                     |                          | 120144 - GP |