

| STORM WATER MANAGEMENT SUMMARY TABLE |                                  |                             |                                |              |                            |                  |              |                                                          |
|--------------------------------------|----------------------------------|-----------------------------|--------------------------------|--------------|----------------------------|------------------|--------------|----------------------------------------------------------|
| CONTROL LOCATION                     | POST DEVELOPMENT DRAINAGE NUMBER | TOTAL ROOF MAX FLOW (L/sec) | TOTAL ROOF STORAGE VOLUME (m3) | MAX HEAD (m) | TYPE                       | NUMBER OF DRAINS | MANUFACTURER | MODEL                                                    |
| TOWER B1                             | B1                               | 7.6 L/sec                   | 46.4 m3                        | 0.15         | FLOW CONTROLLED ROOF DRAIN | 4                | WATTS        | ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION |
| TOWER B2                             | B2                               | 7.6 L/sec                   | 46.4 m3                        | 0.15         | FLOW CONTROLLED ROOF DRAIN | 4                | WATTS        | ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION |
| TOWER B3                             | B3                               | 7.6 L/sec                   | 46.4 m3                        | 0.15         | FLOW CONTROLLED ROOF DRAIN | 4                | WATTS        | ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION |
| TOWER B4                             | B4                               | 7.6 L/sec                   | 39.5 m3                        | 0.15         | FLOW CONTROLLED ROOF DRAIN | 4                | WATTS        | ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @ OPEN POSITION |

| WATERMAIN / SEWER CROSSING TABLE |                    |                |          |              |              |          |              |              |          |              |                 |                                  |
|----------------------------------|--------------------|----------------|----------|--------------|--------------|----------|--------------|--------------|----------|--------------|-----------------|----------------------------------|
| LOCATION                         | FINISHED GRADE (m) | SANITARY SEWER |          |              | STORM SEWER  |          |              | WATERMAIN    |          |              | CLEARANCES (mm) | NOTES                            |
|                                  |                    | INV ELEV (m)   | DIA (mm) | OBV ELEV (m) | INV ELEV (m) | DIA (mm) | OBV ELEV (m) | INV ELEV (m) | DIA (mm) | OBV ELEV (m) |                 |                                  |
| 1                                | 51.26              |                |          |              | 48.84        | 300      | 49.15        | 48.66        | 200      | 48.86        | 500             | WATER BELOW SEWER. CITY STD. W25 |
| 2                                | 51.38              | 46.50          | 375      | 46.88        |              |          |              | 48.78        | 200      | 48.98        | 1900            |                                  |
| 3                                | 51.38              |                |          |              | 48.75        | 300      | 49.06        | 48.78        | 200      | 48.98        | 500             |                                  |
| 4                                | 51.60              | 46.56          | 375      | 46.93        |              |          |              | 49.00        | 200      | 49.20        | 2070            |                                  |
| 5                                | 52.05              |                |          |              | 48.18        | 375      | 48.76        | 49.45        | 200      | 49.65        | 690             |                                  |
| 6                                | 52.26              | 46.73          | 375      | 47.10        |              |          |              | 49.66        | 200      | 49.86        | 2560            |                                  |
| 7                                | 52.10              |                |          |              | 48.15        | 375      | 48.72        | 49.50        | 200      | 49.70        | 780             |                                  |
| 8                                | 52.33              | 46.78          | EX-300   | 47.08        |              |          |              | 49.73        | 200      | 49.93        | 2650            |                                  |

| STRUCTURE TABLE  |          |           |              |            |              |         |
|------------------|----------|-----------|--------------|------------|--------------|---------|
| STRUCTURE NUMBER | TYPE     | STRUCTURE |              |            |              | Comment |
|                  |          | SIZE      | REFERENCE    | FRAME      | COVER        |         |
| STMMH 200        | STORM    | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24.1 |         |
| STMMH 201        | STORM    | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24.1 |         |
| STMMH 202        | STORM    | money     | OPSD 701.010 | Ottawa S25 | Ottawa S24.1 |         |
| STMMH 203        | STORM    | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24.1 | EF08    |
| SANMH 100        | SANITARY | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24   |         |
| SANMH 101        | SANITARY | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24   |         |
| SANMH 102        | SANITARY | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24   |         |
| SANMH 103        | SANITARY | 1200 DIA  | OPSD 701.010 | Ottawa S25 | Ottawa S24   |         |

| STORM CATCHBASIN STRUCTURE TABLE |                   |                  |              |       |       |                                |
|----------------------------------|-------------------|------------------|--------------|-------|-------|--------------------------------|
| CB#                              | TOP OF GRATE ELV. | INVERTS          | REFERENCE    | FRAME | COVER | ICD                            |
| CB1                              | 50.93             | SE=49.53 (200mm) | OPSD 705.010 | S19   | S19   | IPEX TEMPEST TYPE-A (94mm DIA) |
| CB2                              | 51.58             | SE=50.18 (200mm) | OPSD 705.010 | S19   | S19   | IPEX TEMPEST TYPE-A (94mm DIA) |
| CB3                              | 53.10             | NW=51.70 (200mm) | OPSD 705.010 | S19   | S19   | IPEX TEMPEST TYPE-A (94mm DIA) |

| TOWER B1 WATERMAIN TABLE |                                       |                      |                            |              |
|--------------------------|---------------------------------------|----------------------|----------------------------|--------------|
| STATION                  | DESCRIPTION                           | GROUND ELEVATION (m) | TOP OF WATERMAIN. ELEV (m) |              |
|                          |                                       |                      | PROPOSED (m)               | AS-BUILT (m) |
| 0+000                    | 400x200 TVS                           | 51.62                | 48.93±                     |              |
|                          | 400 VALVE & VALVE CHAMBER (W2)        | 51.62                | 48.93±                     |              |
|                          | 400x200 TVS                           | 51.62                | 48.93±                     |              |
| 0+005.7                  | 11.25° HORIZONTAL BEND                | 51.31                | 48.91                      |              |
| 0+006.6                  | 45° VERTICAL BEND                     |                      |                            |              |
|                          | CROSSING UNDER STORM SEWER AS PER W25 | 51.26                | 48.34                      |              |
|                          | 45° VERTICAL BEND                     |                      |                            |              |
| 0+010.9                  | CROSSING SANITARY SEWER               | 51.38                | 48.98                      |              |
| 0+013.6                  | 200 VALVE AND VALVE BOX               | 51.43                | 49.03                      |              |
|                          | 200 VALVE AND VALVE CHAMBER (W3)      | 51.43                | 49.03                      |              |
| 0+014.3                  | 45° HORIZONTAL BEND                   | 51.47                | 49.07                      |              |
| 0+015.3                  | 45° HORIZONTAL BEND                   | 51.47                | 49.07                      |              |
|                          | 200x200 TEE                           | 51.44                | 49.04                      |              |
| 0+016.3                  | CAP - FROM BUILDING                   | 51.46                | 49.06                      |              |

| TOWER B2 WATERMAIN TABLE |                                       |                      |                            |              |
|--------------------------|---------------------------------------|----------------------|----------------------------|--------------|
| STATION                  | DESCRIPTION                           | GROUND ELEVATION (m) | TOP OF WATERMAIN. ELEV (m) |              |
|                          |                                       |                      | PROPOSED (m)               | AS-BUILT (m) |
| 0+000                    | 400x200 TVS                           | 51.80                | 49.07±                     |              |
|                          | 400 VALVE & VALVE CHAMBER (W2)        | 51.80                | 49.07±                     |              |
|                          | 400x200 TVS                           | 51.80                | 49.07±                     |              |
| 0+003.1                  | 11.25° HORIZONTAL BEND                | 51.55                | 49.15                      |              |
| 0+007.3                  | 45° VERTICAL BEND                     |                      |                            |              |
|                          | CROSSING UNDER STORM SEWER AS PER W25 | 51.37                | 48.25                      |              |
|                          | 45° VERTICAL BEND                     |                      |                            |              |
| 0+011.9                  | CROSSING SANITARY SEWER               | 51.61                | 49.21                      |              |
| 0+015.0                  | 200 VALVE AND VALVE BOX               | 51.67                | 49.27                      |              |
|                          | 200 VALVE AND VALVE CHAMBER (W3)      | 51.67                | 49.27                      |              |
| 0+016.0                  | 45° HORIZONTAL BEND                   | 51.72                | 49.32                      |              |
| 0+017.0                  | 45° HORIZONTAL BEND                   | 51.72                | 49.32                      |              |
|                          | 200x200 TEE                           | 51.68                | 49.28                      |              |
| 0+018.0                  | CAP - FROM BUILDING                   | 51.70                | 49.30                      |              |

| TOWER B3 WATERMAIN TABLE |                                       |                      |                            |              |
|--------------------------|---------------------------------------|----------------------|----------------------------|--------------|
| STATION                  | DESCRIPTION                           | GROUND ELEVATION (m) | TOP OF WATERMAIN. ELEV (m) |              |
|                          |                                       |                      | PROPOSED (m)               | AS-BUILT (m) |
| 0+000                    | 400x200 TVS                           | 52.39                | 49.62±                     |              |
|                          | 400 VALVE & VALVE CHAMBER (W2)        | 52.39                | 49.62±                     |              |
|                          | 400x200 TVS                           | 52.39                | 49.62±                     |              |
| 0+007.3                  | CROSSING UNDER STORM SEWER AS PER W25 | 52.04                | 47.68                      |              |
| 0+013.9                  | CROSSING SANITARY SEWER               | 52.25                | 49.85                      |              |
| 0+015.9                  | 200 VALVE AND VALVE BOX               | 52.23                | 49.83                      |              |
|                          | 200 VALVE AND VALVE CHAMBER (W3)      | 52.23                | 49.83                      |              |
| 0+016.9                  | 45" HORIZONTAL BEND                   | 52.23                | 49.83                      |              |
| 0+017.9                  | 45" HORIZONTAL BEND                   | 52.23                | 49.83                      |              |
|                          | 200x200 TEE                           | 52.21                | 49.81                      |              |
| 0+019.0                  | CAP - FROM BUILDING                   | 52.21                | 49.81                      |              |

| TOWER B4 WATERMAIN TABLE |                                       |                      |                            |              |
|--------------------------|---------------------------------------|----------------------|----------------------------|--------------|
| STATION                  | DESCRIPTION                           | GROUND ELEVATION (m) | TOP OF WATERMAIN. ELEV (m) |              |
|                          |                                       |                      | PROPOSED (m)               | AS-BUILT (m) |
| 0+000                    | 400x200 TVS                           | 52.41                | 49.42±                     |              |
|                          | 400 VALVE & VALVE CHAMBER (W2)        | 52.41                | 49.42±                     |              |
|                          | 400x200 TVS                           | 52.41                | 49.42±                     |              |
| 0+006.3                  | CROSSING UNDER STORM SEWER AS PER W25 | 52.10                | 47.65                      |              |
| 0+014.0                  | CROSSING SANITARY SEWER               | 52.30                | 49.90                      |              |
| 0+015.9                  | 200 VALVE AND VALVE BOX               | 52.29                | 49.89                      |              |
|                          | 200 VALVE AND VALVE CHAMBER (W3)      | 52.29                | 49.89                      |              |
| 0+016.9                  | 45° HORIZONTAL BEND                   | 52.27                | 49.87                      |              |
| 0+017.9                  | 45° HORIZONTAL BEND                   | 52.26                | 49.86                      |              |
|                          | 200x200 TEE                           | 52.25                | 49.85                      |              |
| 0+018.9                  | CAP - FROM BUILDING                   | 52.24                | 49.84                      |              |

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