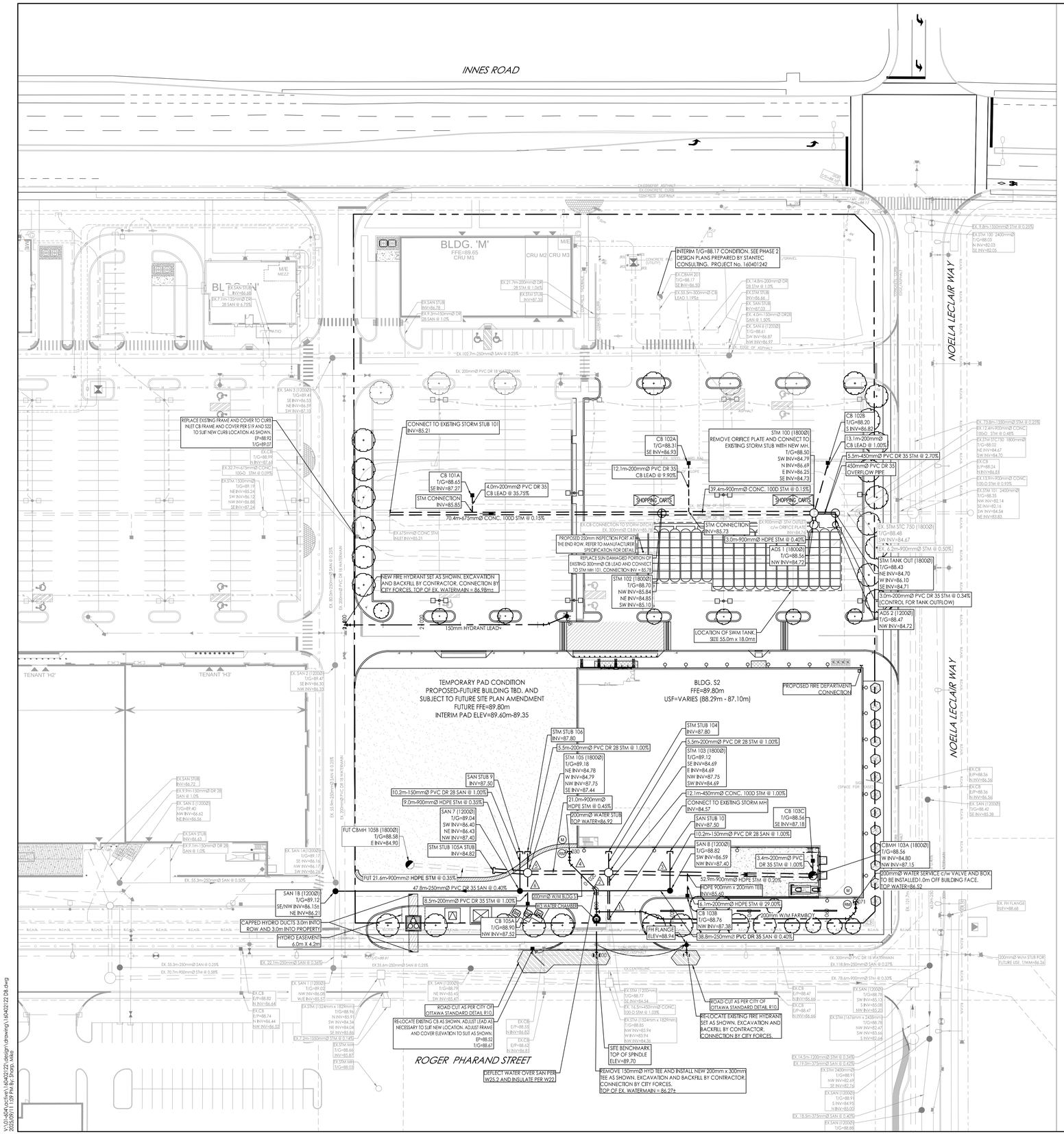


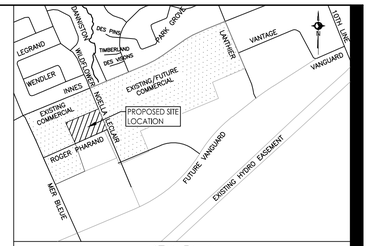


KEY PLAN
N.T.S.

| 200mmØ W/M TABLE BLDG S1 | | | |
|---|---|---|---|
| STATION | FINISHED GRADE | TOP W/M | ITEM |
| 0+000 | 88.67 | 86.270 | 200mmØ X 300mmØ TEE |
| 0+009.1 | 88.87 | 86.470 | W3 WATER CHAMBER AND GATE VALVE |
| 0+011.3 | 88.92 | 86.520 | 200mmØ X 200mmØ TEE |
| 0+016.9 | 89.09 | 87.410 | 45° HORIZONTAL BEND |
| 0+026.7 | 89.24 | 86.840 | 45° HORIZONTAL BEND |
| 0+028.7 | 89.30 | 86.900 | 200mmØ VALVE AND BOX |
| 0+029.7 | 89.32 | 86.920 | 200mmØ CAP AND THRUST BLOCK |

| 200mmØ W/M TABLE FARMBOY | | | |
|---|---|---|---|
| STATION | FINISHED GRADE | TOP W/M | ITEM |
| 1+000 | 88.92 | 86.520 | 200mmØ x 200mmØ TEE |
| 1+012 | 89.17 | 86.770 | 22.5° HORIZONTAL BEND |
| 1+017 | 89.08 | 86.680 | 22.5° HORIZONTAL BEND |
| 1+020 | 89.06 | 86.660 | TOP OF PIPE |
| 1+040 | 88.94 | 86.540 | TOP OF PIPE |
| 1+060 | 88.81 | 86.410 | TOP OF PIPE |
| 1+065.6 | 88.78 | 86.380 | 45° HORIZONTAL BEND |
| 1+068.3 | 88.83 | 86.430 | 45° HORIZONTAL BEND |
| 1+069.8 | 88.88 | 86.480 | 200mmØ VALVE AND VALVE BOX |
| 1+070.8 | 88.92 | 86.520 | 200mmØ CAP AND THRUST BLOCK |

| 150mmØ HYDRANT LEAD | | | |
|---|---|---|---|
| STATION | FINISHED GRADE | TOP W/M | ITEM |
| 2+000 | 89.38 | 86.980 | 150mmØ x 200mmØ TEE |
| 2+020 | 89.51 | 87.110 | TOP OF PIPE |
| 2+040 | 89.48 | 87.080 | TOP OF PIPE |
| 2+052.3 | 89.53 | 87.130 | 22.5° HORIZONTAL BEND |
| 2+058 | 89.65 | 87.250 | FIRE HYDRANT |

| SEWER AND WATERMAIN CROSSING TABLE | | | | | | |
|---|---|---|---|---|---|---|
| CROSSING | STM INV | STM OBV | SAN INV | SAN OBV | WTR TOP | WTR BTM |
| 1 | 84.59(84.51) | 85.04(85.12) | | | 86.56 | 86.36 |
| 2 | 84.64(84.56) | 85.09(85.17) | 86.52 | 86.76 | 87.46 | 87.26 |
| 3 | 84.72 | 85.62 | 87.45 | 87.60 | | |
| 4 | 84.73 | 85.63 | | | 86.78 | 86.58 |
| 5 | 84.79 | 85.69 | 87.45 | 87.60 | | |
| 6 | 87.49 | 87.69 | 86.44 | 86.69 | | |

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

| ICD Table | | | | | | |
|---|---|---|---|---|---|---|
| CBID | Tributary Area | ICD Type | 2 Yr Head | 100 Year Head | 2YR Flow | 100 YR Flow |
| TANK OUT | | 200 mm ORIFICE | 0.7 | 1.5 | 58.14 | 89.44 |
| CB101A | C101A | 200 mm ORIFICE | 1.5 | 1.54 | 93.18 | 95.58 |
| CB102A | C102A | 178 mm ORIFICE | 1.5 | 1.61 | 74.43 | 77.89 |
| CB102B | C102B | 152 mm ORIFICE | 1.28 | 1.68 | 50.48 | 58.33 |
| CB103B | C103B | 127 mm ORIFICE | 0.1 | 0.57 | 5.54 | 12.94 |
| CB105A | C105A | 127 mm ORIFICE | 0.16 | 0.61 | 10.2 | 23.82 |
| MH 103 | | 127 mm ORIFICE | 0.66 | 1.36 | 25.4 | 36.5 |

| Roof Table | | | | | | |
|---|---|---|---|---|---|---|
| Drain | Tributary | Drains | 100YR Head | 100YR Release | 100 Ponding | |
| Watts Accuflow (100% Open) | R104A | 10 | 0.15 | 18.6 | 138.8 | |
| Watts Accuflow (50% Open) | R106A | 10 | 0.15 | 12.5 | 102.3 | |

JOHN SEVIGNY C.E.T.
MANAGER (A), DEVELOPMENT REVIEW EAST
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

**APPROVED**
*By sevignyjo at 1:07 pm, Oct 08, 2025*


Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com



Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.


## Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED W3 CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CB T AND SUBDRAIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING COMBINED SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN
- PROPOSED DEPRESSED CURB LOCATIONS
- PROPOSED BARRIER CURB
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 2.0m AND ON SANITARY SEWER WHERE COVER IS LESS THAN 2.5m AS PER S35.
- WATER METER
- REMOTE WATER METER
- 100mm RIGID INSULATION UNDERSIDE OF SIDEWALK

## Notes

1. FINAL METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
2. WATER SERVICE SIZE TO BE CONFIRMED BY MECHANICAL CONSULTANT.
3. THE LOCATION AND ELEVATION OF SEWERS, WATERMAIN AND UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION AND ELEVATIONS SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION AND ELEVATION OF SEWERS, WATERMAINS AND UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS. ANY DISCREPANCY WITH THE INFORMATION SHOWN ON THESE PLANS SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION.
4. INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT.
5. USF TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT.
6. MAINTENANCE HOLES LOCATED IN STORM WATER PONDING AREAS TO HAVE WATERTIGHT FRAME AND COVERS.

| Revision | | By | Appd. | YY.MM.DD |
|---|---|---|---|---|
| 4 | REVISED PER NEW SITE PLAN | MJS | KS | 25.09.11 |
| 3 | REVISED PER CITY COMMENTS | MJS | KS | 25.08.19 |
| 2 | REVISED PER CITY COMMENTS | MJS | KS | 25.07.22 |
| 1 | ISSUED FOR TENDER | MJS | GR | 25.06.24 |
| 0 | ISSUED FOR SPA | MJS | KS | 25.04.17 |

| File Name: 160402122 D8.dwg | MJS | DT | MJS | 25.03.31 |
|---|---|---|---|---|
| | Dwn. | Chkd. | Dsgn. | YY.MM.DD |

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
K.L. SMADELLA
2025-09-12
PROVINCE OF ONTARIO

Client/Project

SmartREIT (Orleans II) Inc. &
Mer Bleue Shopping Centres Limited
3200 HIGHWAY 7, VAUGHAN, ON. L4K 5Z5
Orleans II Frontage Phase 3
2025 MER BLEUE ROAD
OTTAWA, ON, CANADA

Title

SITE SERVICING PLAN

| Project No. | Scale | Sheet | Revision |
|---|---|---|---|
| 160402122 | 1:500 (0 5 15 25m) | | |
| Drawing No. | | | |
| SSP-1 | | 3 of 7 | 4 |

PLAN # 19289

D07-12-25-0059

V:\01-604\active\160402122\design\drawing\160402122 D8.dwg
2025\09\11 1:09 PM By: Sharp, Mike

ORIGINAL SHEET - ARCH D