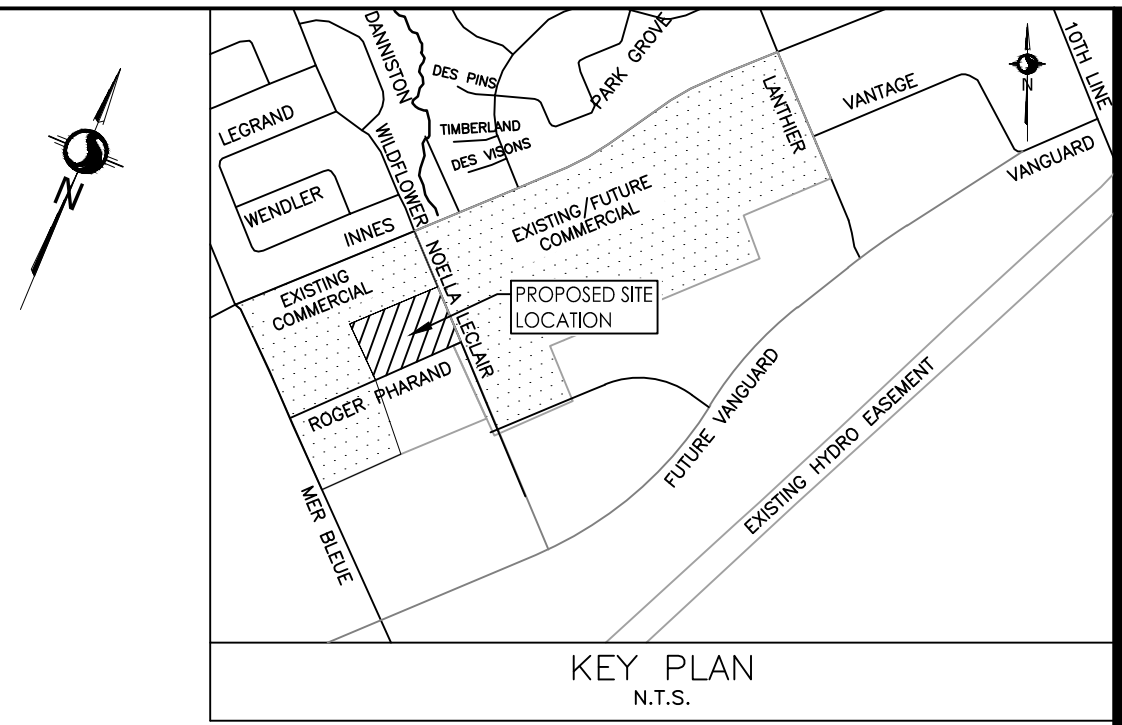
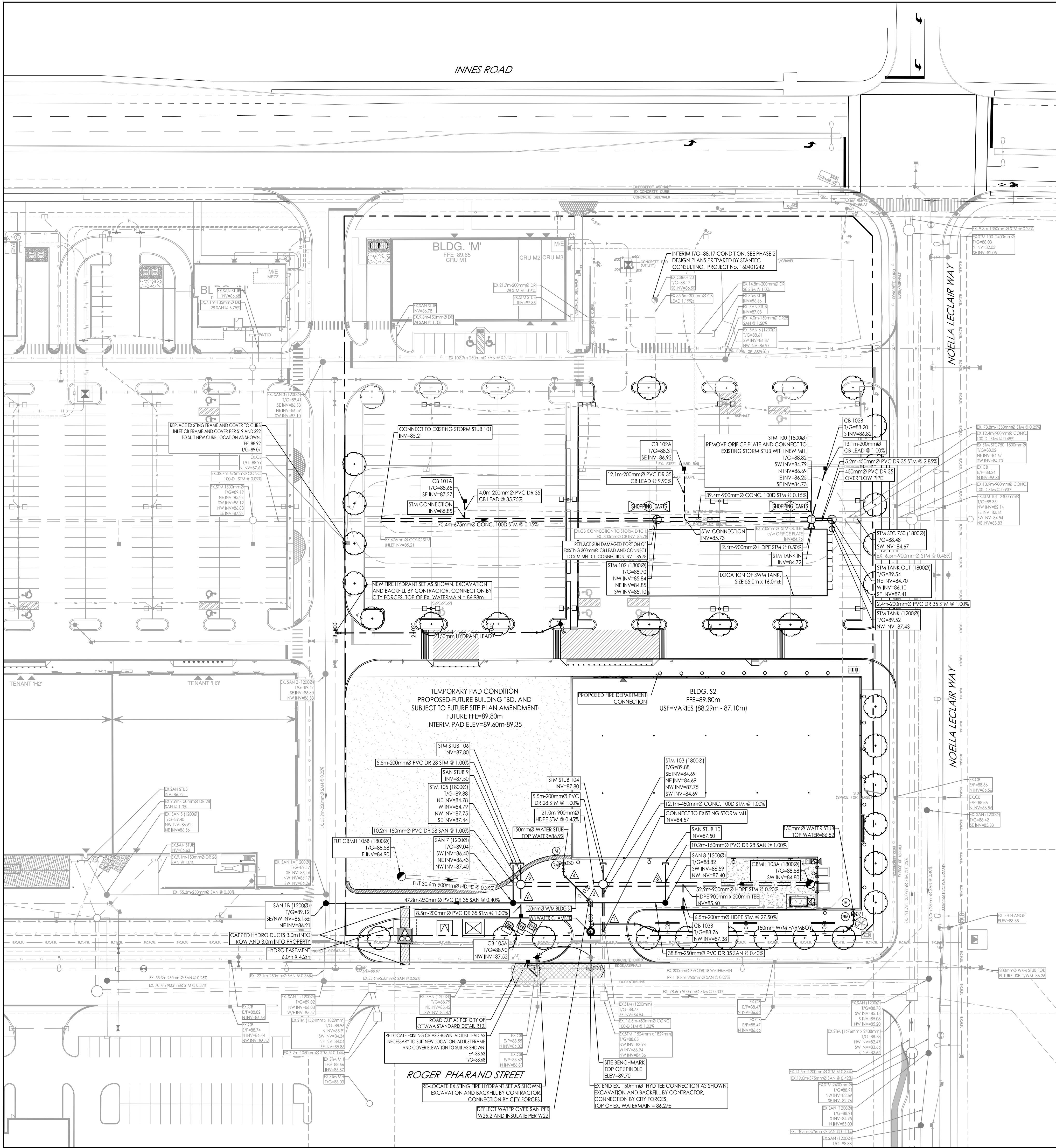




150mmØ W/M TABLE BLDG S1			
STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	88.67	86.270	150mmØ x 150mmØ TEE
0+009.1	88.87	86.470	W3 WATER CHAMBER AND GATE VALVE
0+011.3	88.92	86.520	150mmØ x 150mmØ TEE
0+016.9	89.09	87.410	45° HORIZONTAL BEND
0+026.7	89.24	86.840	45° HORIZONTAL BEND
0+028.7	89.30	86.900	150mmØ VALVE AND BOX
0+029.7	89.32	86.920	150mmØ CAP AND THRUST BLOCK

150mmØ W/M TABLE FARMBOY			
STATION	FINISHED GRADE	TOP W/M	ITEM
1+000	88.92	86.520	150mmØ x 150mmØ TEE
1+012	89.17	86.770	22 1/2° HORIZONTAL BEND
1+017	89.08	86.680	22 1/2° 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	150mmØ VALVE AND BOX
1+070.8	88.92	86.520	150mmØ CAP AND THRUST BLOCK

150mmØ HYDRANT LEAD			
STATION	FINISHED GRADE	TOP W/M	ITEM
2+000	89.38	86.980	150mmØ x 150mmØ 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 1/2° 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
	84.59(84.51)	85.04(85.12)			86.56	86.41
	84.64(84.56)	85.09(85.17)	86.52	86.76	87.41	87.26
	84.72	85.42	87.45	87.60		
	84.73	85.63			86.78	86.63
	84.79	85.69	87.45	87.60		
	87.49	87.69	86.44	86.69		

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

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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 SUBDRIN
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

- 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.

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Permit-Seal



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	
160402122	1:500	
Drawing No.	Sheet	Revision