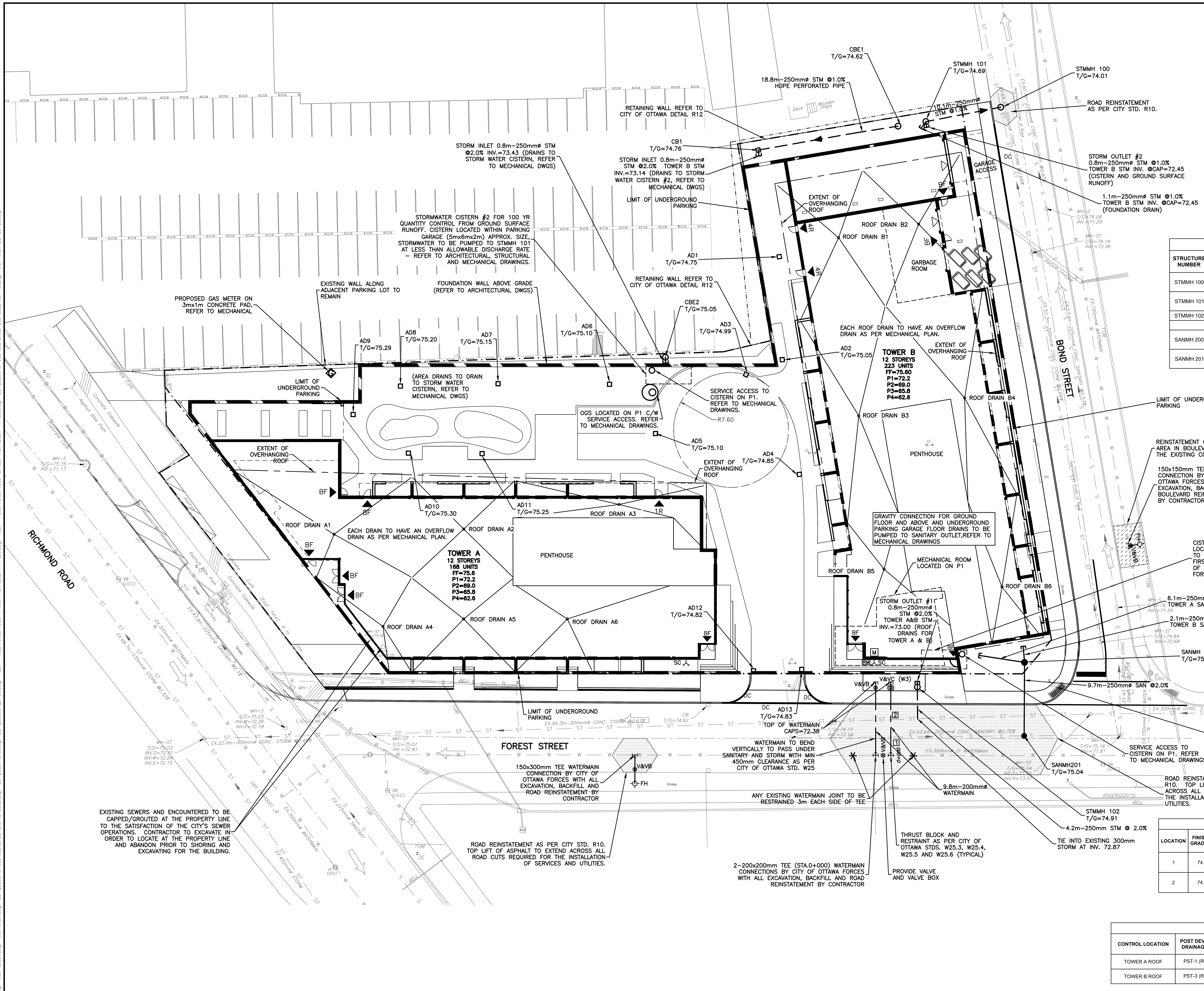
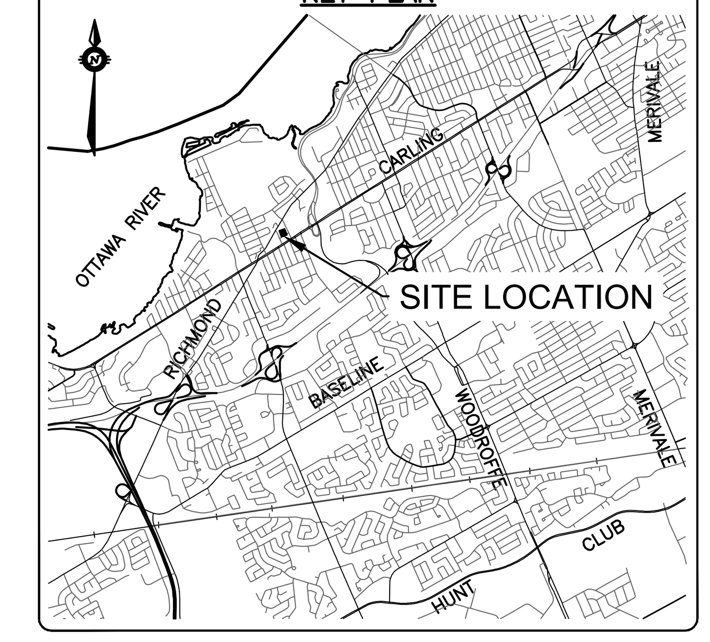


KEY PLAN



ROOF PONDING

AREA DRAIN #	100 YEAR PONDING DEPTH (mm)	FLOW PER DRAIN (L/sec)
R-A1	131	0.89
R-A2	129	0.88
R-A3	131	0.89
R-A4	121	0.86
R-A5	128	0.88
R-A6	138	0.91
R-B1	131	0.89
R-B2	134	0.90
R-B3	138	0.91
R-B4	139	0.91
R-B5	132	0.89
R-B6	132	0.89

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (m) and DIA (mm)		INVERT OUT (m) and DIA (mm)		STRUCTURE SIZE	STRUCTURE REFERENCE	STRUCTURE FRAME	STRUCTURE COVER	Comment
STMMH 100	STORM	74.01	72.28 N	(250)	72.22 E	(300)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	
			72.23 W	(300)							
STMMH 101	STORM	74.69	72.44 NW	(250)	72.38 S	(250)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	
			72.44 W	(250)							
STMMH 102	STORM	74.91	72.94 E	(250)	72.91 W	(250)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	
SANMH 200	SANITARY	75.20	72.22 N	(250)	72.16 W	(250)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24	
			72.19 E	(250)							
SANMH 201	SANITARY	75.04	71.92 N	(250)	71.91 S	(250)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24	
			71.97 E	(250)							

SEWER TABLE

STRUCTURE U/S	STRUCTURE D/S	TYPE	INVERT ELEV (m) U/S	INVERT ELEV (m) D/S	NOMINAL DIA. (mm)	LENGTH (m)	Type	Class	Comment
CISTERN	STMH 102	STORM	73.000	72.980	250	0.8	PVC	SDR35	50mm Insulation required
STMH 102	CITY STORM	STORM	72.950	72.870	250	4.2	PVC	SDR35	50mm Insulation required
TOWER B	STMMH 101	STORM	72.450	72.440	250	0.9	PVC	SDR35	
STMMH 101	STMMH 100	STORM	72.380	72.280	250	10.1	PVC	SDR35	
TOWER A	SANMH 200	SANITARY	72.340	72.220	250	6.1	PVC	SDR35	
TOWER B	SANMH 200	SANITARY	72.240	72.220	250	1.0	PVC	SDR35	
SANMH 200	SANMH 201	SANITARY	72.160	71.970	250	9.7	PVC	SDR35	

WATERMAIN TABLE

STATION	DESCRIPTION	GROUND ELEVATION (m)	TOP OF WATERMAIN. ELEV (m) PROPOSED (m)	AS-BUILT (m)
0+000	300x200 TEE	74.80	72.80±	
	300x200 TEE	74.80	72.80±	
	200 VALVE & VALVE BOX	74.80	72.80±	
0+002.4	CROSSING SANITARY SEWER	74.89	72.80	
0+003.3	45° VERTICAL BEND	74.82	72.80	
0+003.8	45° VERTICAL BEND	74.85	72.34	
0+004.8	CROSSING STORM SEWER	74.89	72.34	
0+009.0	200 VALVE AND VALVE BOX	74.95	72.37	
	200 VALVE AND VALVE CHAMBER (W3)	74.95	72.37	
0+09.8	CAP - FROM BUILDING	74.97	72.38	

STORM CATCHBASIN STRUCTURE TABLE

CB#	TOP OF GRATE ELV.	INVERTS	REFERENCE	FRAME	COVER
CB1	74.76	SE=73.22 (250mm)	OPSD 705.010	S19	S19
		SW=73.16 (250mm)			
CBE1	74.62	NW=73.41 (250mm)	S31	S31	S31
CBE2	75.05	W=73.45 (250mm)	S31	S31	S31

WATERMAIN / SEWER CROSSING TABLE

LOCATION	FINISHED GRADE (m)	SANITARY SEWER INV ELEV (m)	SANITARY SEWER DIA (mm)	SANITARY SEWER OBV ELEV (m)	STORM SEWER INV ELEV (m)	STORM SEWER DIA (mm)	STORM SEWER OBV ELEV (m)	WATERMAIN INV ELEV (m)	WATERMAIN DIA (mm)	WATERMAIN OBV ELEV (m)	CLEARANCES (mm)	NOTES
1	74.89	72.03	250	72.28				72.60	200	72.80	320 (WATER SERVICE ABOVE SEWER AS PER CITY STD. W25.2)	100mm OF INSALLATION TO BE PROVIDED AS PER CITY STD. W22.
2	74.80				72.84	300	73.14	72.14	200	72.34	500 (WATER SERVICE BELOW SEWER AS PER CITY STD. W25.2)	

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 A ROOF	PST-1 (R-A1 - R-A6)	5.3 L/sec	1198 m3	0.15	FLOW CONTROLLED ROOF DRAIN	6	WATTS	ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @25% POSITION
TOWER B ROOF	PST-3 (R-B1 - R-B6)	5.4 L/sec	1384 m3	0.15	FLOW CONTROLLED ROOF DRAIN	6	WATTS	ACUTROL ADJUSTABLE. 1 WEIR PER DRAIN SET @25% POSITION

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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.

REV	REVISION DESCRIPTION	DATE	BY	APPD
7	REVISED PER CITY COMMENTS	09/12/22	SAB	BMT
6	REVISED PER CITY COMMENTS	17/11/22	AC	BMT
5	REVISED PER CITY COMMENTS	15/09/22	AC	BMT
4	REVISED PER CITY COMMENTS	10/12/21	AC	JD
3	REVISED PER CITY COMMENTS	27/05/21	AC	BMT
2	ISSUED FOR REZONING APPLICATION	27/01/20	MZG	BMT
1	ISSUED FOR REVIEW	12/09/19	SAB	BMT

SCALE: 0 2m 4m 10m HORIZONTAL 1:250

NORTH

DESIGNED BY

REVIEWED BY: LICENSED PROFESSIONAL ENGINEER B. M. THOMAS 2022-12-09 PROVINCE OF ONTARIO

CLIENT: 11061917 CANADA INCORPORATED
100–768 ST. JOSEPH BOULVEVARD
GATINEAU, QC. J8Y 4B8

exp Services Inc.
t: +1.613.688.1899 | f: +1.613.225.7330
2650 Queensview Drive, Unit 100
Ottawa, ON K2B 8H6
Canada
www.exp.com
• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

BASEPLAN: SAB
DESIGN: BMT
CHECKED: BMT
CAD: SAB
PROJECT MANAGER: BMT
APPROVED: BMT

PROJECT: 11061917 CANADA INC
RESIDENTIAL DEVELOPMENT
365 FOREST STREET
OTTAWA, ONTARIO.

TITLE: SITE SERVICING PLAN

PROJECT No.: OTT–252570–A0
SURVEY: AOV
DATE: JAN 2020
DRAWING No.: C100

D07-12-20-0041

#18191

Filename:\\pottfsg002\data\projects\civil\252000\ott-00252570-a0 - 365 forest ave - 11061917 canada inc\60-execution\64-dwg\252570-c100-200.dwg
Last Saved: 12/9/2022 5:16:44 PM Last Plotted: 12/9/2022 5:20:23 PM Plotted by: butlers
Pen Table: exp-64.ctb
References: xref-UCC.dwg; xref-AOV-TOPO.dwg; xref-TBlock.dwg; xref-ARCH.dwg; 20-Q086M M-005 Mechanical Site AC Edits.dwg; 20-Q086A SITE.dwg; 20-Q086ME QE-00.dwg; 1887 - 365 Forest Tower A Roof Plan (2021-11-03).dwg; 1887 - 365 Forest Tower B Roof Plan (2021-11-03).dwg; 20-Q086M M-005 Mechanical Site 2022-09-12.dwg; xref-ARCH-22-06-23.dwg