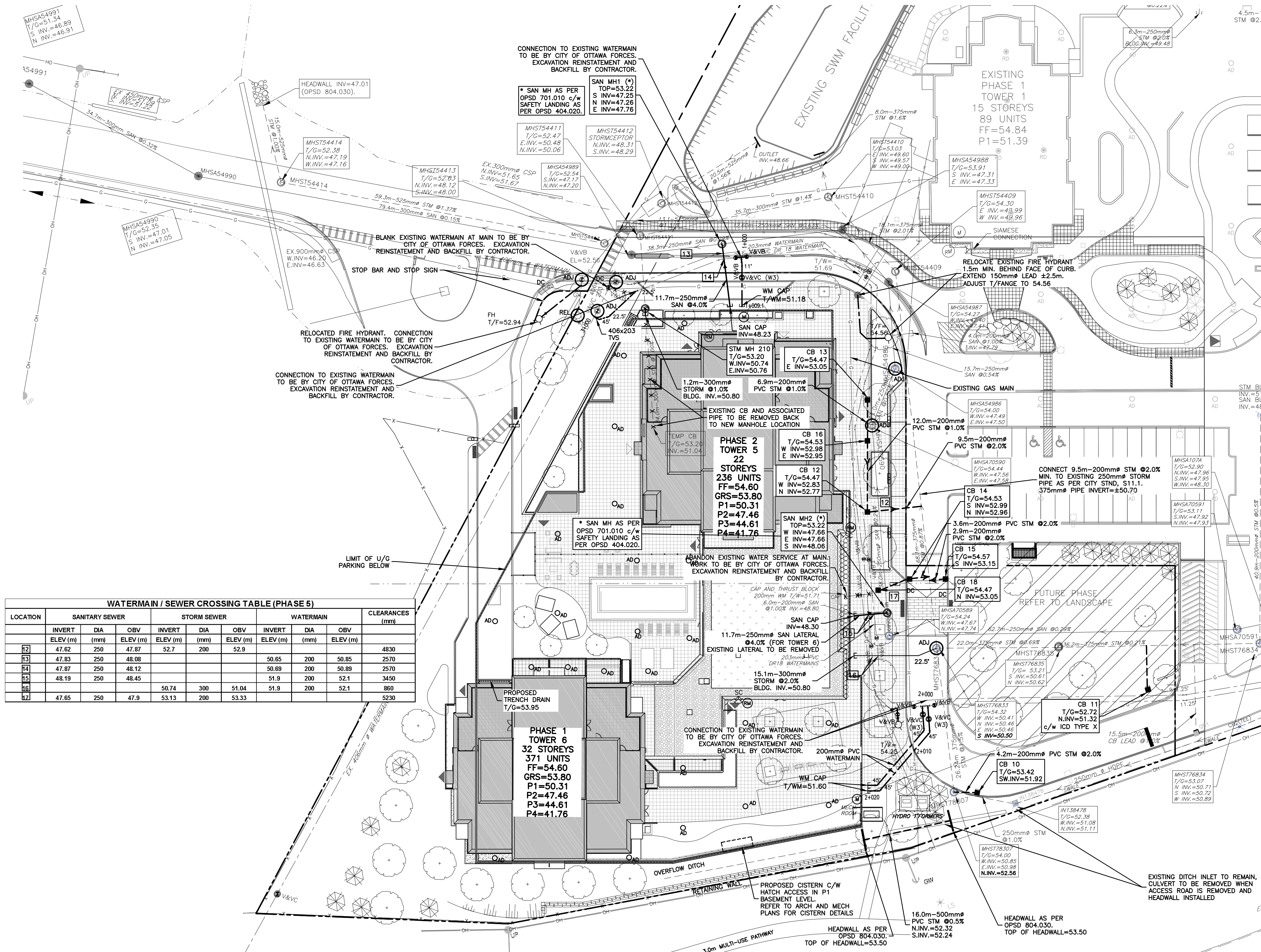


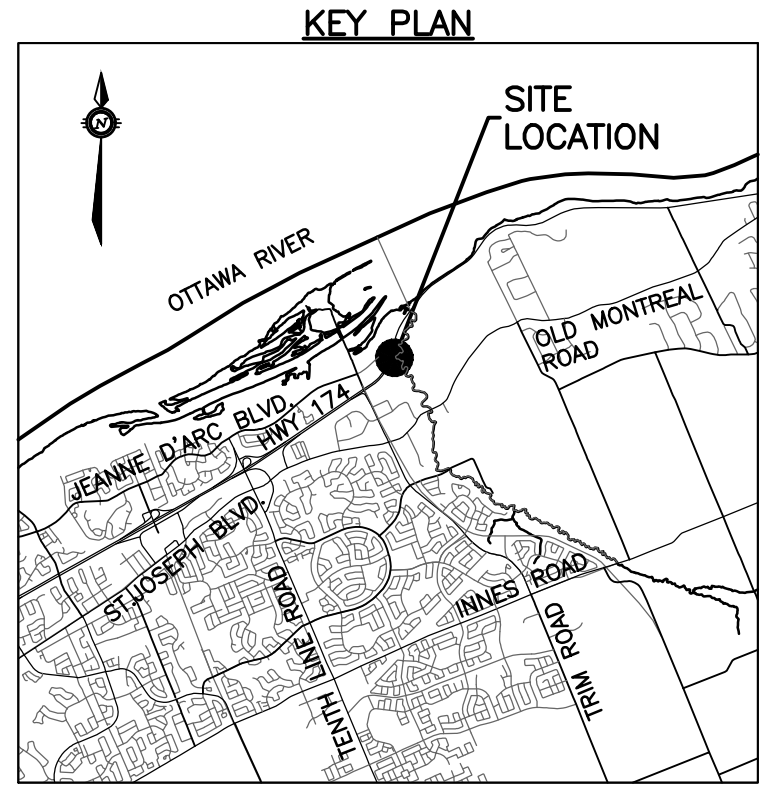


WATERMAIN / SEWER CROSSING TABLE (PHASE 5)									
LOCATION	SANITARY SEWER			STORM SEWER			WATERMAIN		
	INVERT	DIA	OBV	INVERT	DIA	OBV	INVERT	DIA	OBV
	ELEV (m)	(mm)	ELEV (m)	ELEV (m)	(mm)	ELEV (m)	ELEV (m)	(mm)	ELEV (m)
[2]	47.62	250	47.87	52.7	200	52.9	50.65	200	50.85
[3]	47.83	250	48.08				50.69	200	50.89
[4]	47.87	250	48.12				51.9	200	52.1
[5]	48.19	250	48.45				51.9	200	52.1
[6]				50.74	300	51.04	51.9	200	52.1
[7]	47.85	250	47.9	53.13	200	53.33			52.30

WATERMAIN TABLE - PHASE 5 (TOWER 6)				
STATION	DESCRIPTION	GROUND ELEVATION	DESIGN TOP OF WATERMAIN	AS-BUILT TOP OF WATERMAIN
1+000	CONNECTION TO EXISTING 200 WM	53.45	50.80	
1+001	TWO (2) 200 VALVE & VALVE BOXES	53.48	50.80	
1+002.9	200 VALVE & VALVE CHAMBER (W3)	53.58	51.19	
1+009.1	TEMP 200 CAP & THRUST BLOCK	54.58	51.30	

WATERMAIN TABLE - PHASE 5 (TOWER 5)				
STATION	DESCRIPTION	GROUND ELEVATION	DESIGN TOP OF WATERMAIN	AS-BUILT TOP OF WATERMAIN
2+000	CONNECTION TO EXISTING 200 WM	54.10	51.70	
2+000.5	200 VALVE AND VALVE BOX	54.09	51.69	
2+001	200 x 200 CROSS	54.09	51.69	
2+002.5	200 VALVE & VALVE CHAMBER (W3)	54.07	51.67	
2+002.9	45-DEG BEND	53.97	51.57	
2+010		53.92	51.52	
2+019.66	45-DEG BEND	54.15	51.75	
2+020		54.15	51.75	
2+021.8	TEMP 200 CAP & THRUST BLOCK	54.15	51.75	

WATERMAIN TABLE - AT SITE ENTRANCE				
STATION	DESCRIPTION	GROUND ELEVATION	TOP OF WATERMAIN	AS-BUILT TOP OF WATERMAIN
3+000	CONNECTION TO EXISTING WITH 400x200 TVS	53.10	50.36	
3+001	45-DEG BEND	53.10	50.36	
3+002.8	22.5-DEG BEND	53.10	50.23	
3+009.5	22.5-DEG BEND CONNECTION TO EXISTING	53.10	50.23	



EXISTING LEGEND

- UP
- LS
- CB
- CBE
- CBT
- AD
- T/G
- GM
- MH
- G
- V&VB
- V&VC
- FH
- EX 250mm SAN
- EX 300mm STM
- EX 200mm WM
- Trees
- Fence
- Original Ground Elevation
- Existing Contour
- Overland Flow Route

PROPOSED LEGEND

- 200mm SAN
- 200mm STM
- 200mm WATERMAIN
- STM MH 211
- SAN MH 104
- CB1
- CBE
- CBT
- AD
- RD
- V&VB
- V&VC
- 45°
- 22°
- 11°
- 200x150
- 200x200x200
- 200x150
- W
- WM
- SC
- FF=
- P1=
- 3.0%
- 54.75
- H.P.
- T/G=
- T/F=
- DC
- ADJ
- REL

TOWER #	LOCATION	TYPE	FLOW CONTROL	FLOW CONTROL METHOD	WEIR POSITION	COMMENT
Tower 5	HIGH ROOF(s)	WATTS RD-100	YES	ACCUTROL ADJ.	50% Open	MAX 20 GPM AT 150mm DEPTH (50% Position)
	AMMENITIES ROOF - Terrace	WATTS RD-CP-85	None	None		
	AMMENITIES ROOF	WATTS RD-CP-85	YES	ACCUTROL ADJ.	50% Open	MAX 20 GPM AT 150mm DEPTH (50% Position)
	PARKING DECK - Hard Surfaces	WATTS FD-460-AF	YES			FLOW CONTROL BASED ON ORIFICE SIZE (75mm)
Tower 6	HIGH ROOF(s)	WATTS RD-100	YES	ACCUTROL ADJ.	50% Open	MAX 20 GPM AT 150mm DEPTH (50% Position)
	AMMENITIES ROOF - Terrace	WATTS RD-CP-85	None	None		
	AMMENITIES ROOF	WATTS RD-CP-85	YES	ACCUTROL ADJ.	50% Open	MAX 20 GPM AT 150mm DEPTH (50% Position)
	PARKING DECK - Hard Surfaces	WATTS FD-460-AF	YES			FLOW CONTROL BASED ON ORIFICE SIZE (75mm)
Tower 5/6 Podium	Green Roof	WATTS RD-CP-85	YES	ACCUTROL ADJ.	CLOSED	MAX 5 GPM AT 150mm DEPTH (Closed Position)
	Commercial Roof - Ballast	WATTS RD-CP-85	YES	ACCUTROL ADJ.	50% Open	MAX 20 GPM AT 150mm DEPTH (50% Position)
	Terraces	WATTS RD-CP-85	NONE	NONE		

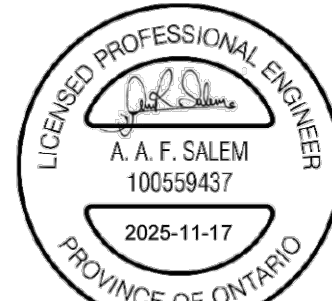
TOPOGRAPHIC INFORMATION
PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
DATED JULY 20, 2018

JOB BENCHMARK
PROVIDED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
NCC MONUMENT 01919680184
NTM-ND83 ZONE 9
NORTHING=5040610.15
EASTING=384736.57
ELEVATION=52.68

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Ouvrage Project

PETRIE'S LANDING I - PHASES 3-5

EMPLACEMENT Location NO PROJECT NO
OTTAWA, ON. OTT-00247308-A0

NO	REVISION	DATE (aa.mm.jj)
1	ISSUED FOR REVIEW	18.08.03
2	ISSUED FOR SITE PLAN APPROVAL	18.09.14
3	ISSUED FOR CLIENT REVIEW	19.04.05
4	ISSUED FOR SITE PLAN APPROVAL	19.05.10
5	ISSUED FOR SITE PLAN APPROVAL	19.05.22
6	ISSUED FOR SPA-CITY COMMENTS	19.07.22
7	REVISED PER CITY COMMENTS	19.07.30
8	UPDATED TOWER 4	20.02.12
9	PRE-IFC FOR BRIGIL REVIEW	20.09.14
10	ISSUED FOR CONSTRUCTION	20.11.10
11	ISSUED FOR TOWER 4 BUILDING PERMIT	21.12.10
12	ISSUED FOR PERMIT UPDATE	22.03.14
13	ISSUED FOR 80% REVIEW	22.04.21
14	ISSUED FOR PERMIT	22.07.15
15	ADDITIONAL WATER SERVICE TOWER 6	22.10.18
16	ISSUED FOR TENDER	22.12.05
17	ISSUED FOR RE-TENDER	23.03.10
18	ISSUED FOR COORDINATION	23.11.08
19	ISSUED FOR APPROVAL	24.06.24
20	UPDATED CITY NUMBER	25.02.10
21	ISSUED FOR SITE PLAN APPROVAL	25.11.17

DESIGNER PAR Drawn by S.BUTLER
DATE (aa.mm.jj) 18.07.18
TITRE DU DESSIN Drawing Title
VERIFIER PAR Checked by B.THOMAS
Echelle Scale 1:400

SITE SERVICING PLAN
TOWERS 5 & 6

REVISION Revision NO. DESSIN Dwg Number