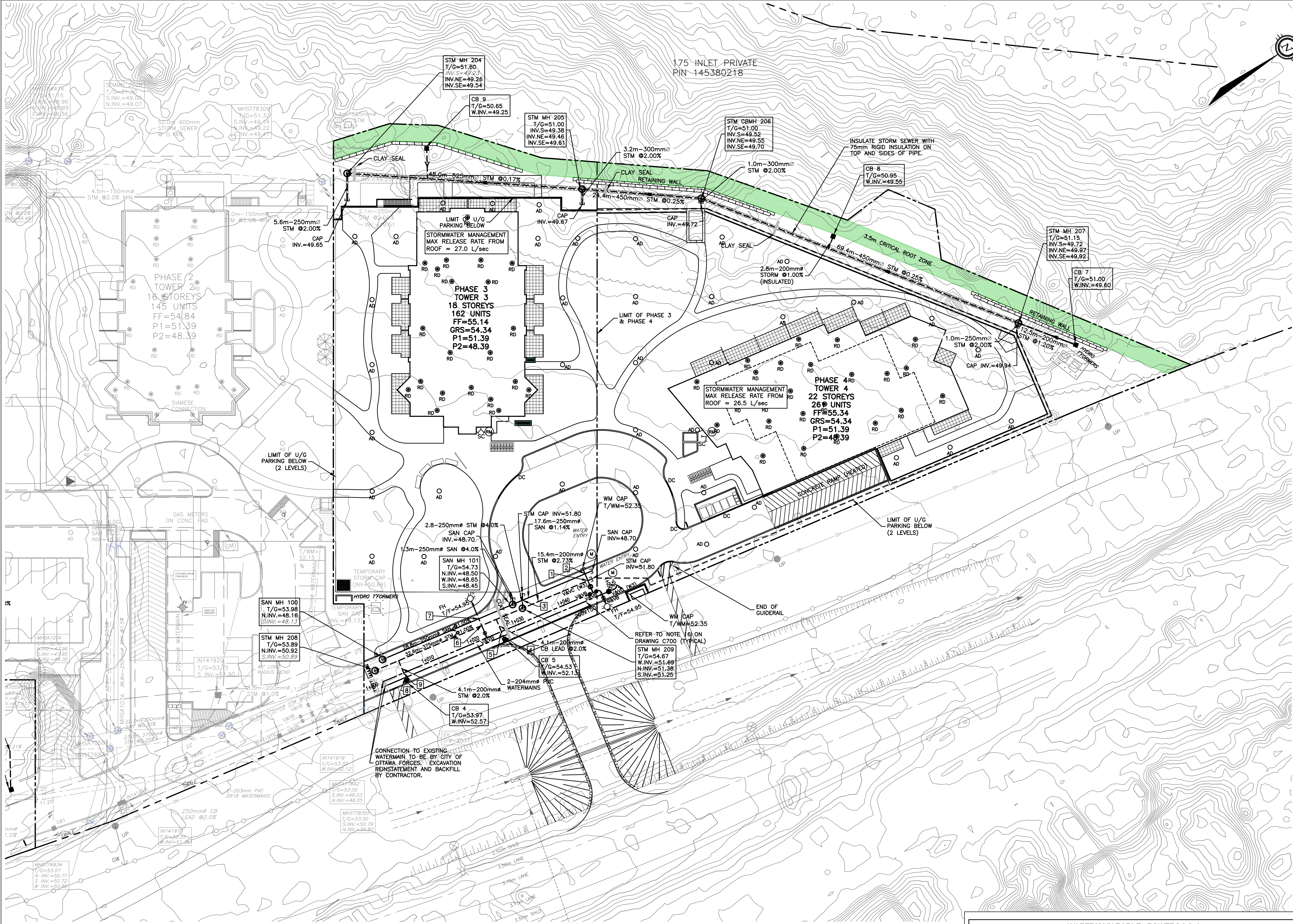




SUMMARY OF STORM WATER MANAGEMENT (ROOF & AREA DRAINS)								
Phase	TOWER #	LOCATION	TYPE	FLOW CONTROL	FLOW CONTROL METHOD	NO. WEIR SLOTS PER DRAIN	WEIR POSITION	COMMENT
Existing Phase 1	Tower 1	HIGH ROOF	WATTS RD-100	YES	ACCUTROL ADJ	1	OPEN	MAX 30 GPM PER DRAIN
		PARKING DECK - Hard Surfaces	JR SMITH Model 1005	YES	75mm LEADER			
Existing Phase 2	Tower 2	HIGH ROOF	WATTS RD-100	YES	ACCUTROL ADJ	1	OPEN	MAX 30 GPM PER DRAIN
		AMMENITITES ROOF	WATTS RD-100-BEM	YES	ACCUTROL ADJ	1	OPEN	MAX 30 GPM PER DRAIN
		AMMENITITES ROOF	WATTS RD-100-BEM	NONE				
		PENTHOUSE ROOF	WATTS RD-100-BEM	NONE				
Proposed Phase 3	Tower 3	PARKING DECK - Hard Surfaces	WATTS FD-463P-AF-4	YES	75mm LEADER			
		PARKING DECK - Landscaping	WATTS FD-470-TG	YES	75mm LEADER			
		HIGH ROOF	WATTS RD-100	YES	ACCUTROL ADJ	1	50% Open	MAX 20 GPM PER DRAIN
		AMMENITITES ROOF	WATTS RD-CP-85	YES	ACCUTROL ADJ	1	CLOSED	MAX 5 GPM PER DRAIN
Future Phases 4, 5A, 5B	Towers 4, 5A, 5B	PARKING DECK - Hard Surfaces	WATTS FD-460-AF	YES	75mm ORIFICE			
		PARKING DECK - Landscaping	WATTS FD-460-AF	YES	75mm ORIFICE			
		HIGH ROOF	WATTS RD-100	YES	ACCUTROL ADJ	1	50% Open	MAX 20 GPM PER DRAIN
		AMMENITITES ROOF	WATTS RD-CP-85	YES	ACCUTROL ADJ	1	50% Open	MAX 20 GPM PER DRAIN

WATERMAIN / SEWER CROSSING TABLE (PHASES 3 & 4)									
LOCATION	SANITARY SEWER			STORM SEWER			WATERMAIN		
	INVERT ELEV (m)	DIA (mm)	OBV ELEV (m)	INVERT ELEV (m)	DIA (mm)	OBV ELEV (m)	INVERT ELEV (m)	DIA (mm)	OBV ELEV (m)
1	51.38	200	51.58	52.12	200	52.32	54.0	200	52.34
2	48.65	250	48.9	51.75	250	52.00	52.14	200	52.34
3	48.53	250	48.74	51.75	250	52.00	52.14	200	52.34
4				53.12	200	53.32	51.83	200	52.13
5				53.08	200	53.28	51.83	200	52.13
6				51.16	375	51.54	52.1	200	52.30
7	48.38	250	48.63	52.12	200	52.32	54.0	200	52.32
8				52.56	200	52.76	51.38	200	51.58
9				52.52	200	52.72	51.38	200	51.58

WATERMAIN TABLE - TOWERS 3 & 4					
STATION	WEST DESCRIPTION	EAST DESCRIPTION	GROUND ELEVATION	DESIGN TOP OF WATERMAIN	ASBUILT TOP OF WATERMAIN
1+000	CONNECTION TO EXISTING CAP	CONNECTION TO EXISTING CAP	53.98	51.33	
1+004.8	CB LEAD STORM CROSSING	CB LEAD STORM CROSSING	53.98	51.58	
1+010			54.20	51.80	
1+020			54.50	52.10	
1+023	200x200 TEE		54.52	52.12	
	200 VALVE & VALVE BOX		54.52	52.12	
	200X150 REDUCER		54.80	52.40	
	FIRE HYDRANT		54.80	52.40	
1+028	CB LEAD STORM CROSSING	CB LEAD STORM CROSSING	54.53	52.13	
1+030			54.58	52.18	
1+045.8	200 VALVE AND VALVE BOX		54.70	52.30	
1+046.5	200x200 TEE		54.70	52.30	
	200 VALVE & VALVE CHAMBER (W3)		54.72	52.32	
1+47.2	TEMP 200 CAP & THRUST BLOCK		54.75	52.35	
	200 VALVE AND VALVE BOX		54.70	52.30	
1+048	TWO 45-DEG BENDS	200x200x200 CROSS	54.70	52.30	
		200X150 REDUCER	54.70	52.30	
		150 VALVE & VALVE BOX	54.70	52.30	
1+050		VALVE & VALVE CHAMBER (W3)	54.72	52.32	
1+051		45-DEG BEND	54.75	52.35	
1+051.5		TEMP 200 CAP & THRUST BLOCK	54.75	52.35	

KEY PLAN

SITE LOCATION

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
- OVERHEAD WIRES
- UTILITY POLE
- LIGHT STANDARD
- CATCHBASIN
- CATCHBASIN ELBOW
- CATCHBASIN TEE
- AREA DRAIN
- TOP OF GRATE
- GAS METER
- MANHOLE (SANITARY OR STORM)
- GAS MAIN
- VALVE AND VALVE BOX
- VALVE AND VALVE CHAMBER
- FIRE HYDRANT
- STORM SEWER
- SANITARY SEWER
- WATERMAIN
- 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
- WM
- RM
- SC
- FF=
- GRS=
- P1=
- 3.0%
- 54.75
- H.P.
- T/G=
- T/F=
- DC
- SWALE AND DIRECTION OF FLOW
- RETAINING WALL
- BUILDING ENTRY LOCATION
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE RELOCATED
- ADV
- REL

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-NAD83 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 PROJET 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 TENDER	22.02.25
13	ISSUED FOR PERMIT UPDATE	22.03.14
14	ISSUED FOR POST TENDER ADDENDUM 1	22.10.28
15	ISSUED FOR TENDER	22.12.05
16	ISSUED FOR CONSTRUCTION	22.12.16
17	ISSUED FOR COORDINATION	23.11.08
18	ISSUED FOR SI-009	23.11.17
19	ISSUED FOR APPROVAL	24.06.24
20	UPDATED CITY NUMBER	25.02.10
DESIGNED PAR Drawn by		VÉRIFIÉ PAR Checked by
S.BUTLER		B.THOMAS
DATE (aa.mm.jj)		ÉCHELLE Scale
18.07.18		1:400