



**KEY PLAN**

**SITE LOCATION**

**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-NADS83 ZONE 9  
 NORTHING=5040610.15  
 EASTING=384736.57  
 ELEVATION=52.68

**EXISTING LEGEND**

- UP OVERHEAD WIRES
- LS UTILITY POLE
- CB LIGHT STANDARD
- CBE CATCHBASIN
- CBE CATCHBASIN ELBOW
- CBT CATCHBASIN TEE
- AD AREA DRAIN
- T/G TOP OF GRATE
- GM GAS METER
- MH MANHOLE (SANITARY OR STORM)
- G GAS MAIN
- V&VB VALVE AND VALVE BOX
- V&VC VALVE AND VALVE CHAMBER
- FH FIRE HYDRANT
- EX 250mm SAN STORM SEWER
- EX 300mm STM SANITARY SEWER
- EX 200mm WM WATERMAIN
- TREES
- FENCE
- 55.00 ORIGINAL GROUND ELEVATION
- EXISTING CONTOUR
- OVERLAND FLOW ROUTE

**PROPOSED LEGEND**

- PROPERTY LINE
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- CLAY SEAL
- STM MH 211 STORM MANHOLE
- SAN MH 104 SANITARY MANHOLE
- CB1 CATCHBASIN
- CBE CATCHBASIN ELBOW
- CBT CATCHBASIN TEE
- AD AREA DRAIN AND DECK DRAIN
- RD ROOF DRAIN
- V&VB VALVE AND VALVE BOX
- V&VC VALVE AND VALVE CHAMBER (W3)
- FH FIRE HYDRANT
- 45' 45' WATERMAIN BEND
- 22' 22.5' WATERMAIN BEND
- 11' 11.25' WATERMAIN BEND
- 200x150 WATERMAIN TEE (MAIN BRANCH)
- 200x200x200 WATERMAIN CROSS
- 200x150 WATERMAIN REDUCER
- WM WATER METER
- RMW REMOTE WATER METER READER
- SC SIAMSESE CONNECTION
- FF FLOOR ELEVATION
- GRS GARAGE FLOOR SLAB ELEVATION
- P1 PARKING LEVEL FLOOR ELEVATION
- 3.0% SLOPE AND DIRECTION OF FLOW
- 54.75 FINAL GRADE
- H.P. HIGH POINT
- TERRACING
- T/G TOP OF GRATE ELEVATION
- T/F TOP OF FLANGE
- OVERLAND FLOW ROUTE
- PHASING LIMITS
- AT TOWER SAGES
- SILT FENCE
- BARRIER CURB (SC1.1)
- DEPRESSED BARRIER CURB LOCATION
- SWALE AND DIRECTION OF FLOW
- RETAINING WALL
- BUILDING ENTRY LOCATION
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE RELOCATED
- MAXIMUM SPILL PONDING LIMIT SHOWN (REFER TO TABLE ON DRAWING)

**GRADING NOTE:**  
 ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED CATCHBASINS AND AREA DRAINS ARE PROVIDED. THE SURFACE SHALL BE GRADED TO ONLY THE AREA DRAINS AND CATCHBASINS SHOWN ON THE GRADING PLANS. NO DECK DRAINS SHALL BE USED AS SURFACE INLETS.

Ponding Number	MINIMUM PONDING ELEV (m)	MAXIMUM SPILL			5-YEAR			100-YEAR			
		AREA (m²)	MAX SPILL ELEV (m)	MAX PONDING DEPTH (m)	MAX PRISM VOLUME (m³)	MAX PONDING ELEV (m)	MAX PONDING DEPTH (m)	MAX PONDING VOLUME (m³)	MAX PONDING ELEV (m)	MAX PONDING DEPTH (m)	MAX PONDING VOLUME (m³)
SP01	54.60	430	54.67	0.07	10.0	54.60	0.00	0.0	54.64	0.04	5.7
SP02	54.46	651	54.67	0.21	45.6	54.50	0.04	8.7	54.55	0.09	19.5
SP03	52.53	42	52.55	0.02	0.3	52.53	0.00	0.0	52.53	0.00	0.0
SP04	54.50	128	54.65	0.15	6.4	54.60	0.00	0.0	54.60	0.10	4.3
SP05	54.55	166	54.60	0.05	2.8	54.55	0.00	0.0	54.56	0.01	0.6
SP06	54.55	138	54.69	0.14	6.4	54.56	0.01	0.5	54.64	0.09	4.1
SP07	54.60	85	54.69	0.09	2.0	54.60	0.00	0.0	54.64	0.04	0.9
SP08	53.90	94	54.08	0.18	5.6	53.90	0.00	0.0	53.90	0.00	0.0
SP09	54.55	88	54.70	0.15	4.4	54.55	0.00	0.0	54.59	0.04	1.2
SP10	54.62	53	54.70	0.08	1.4	54.62	0.00	0.0	54.63	0.01	0.2
SP11	54.55	249	54.70	0.15	12.5	54.55	0.00	0.0	54.60	0.05	4.2
SP12	54.55	193	54.70	0.15	9.6	54.55	0.00	0.0	54.61	0.06	3.9
SP13	54.68	95	54.80	0.12	3.8	54.68	0.00	0.0	54.68	0.00	0.0
SP14	54.66	54	54.79	0.13	2.3	54.66	0.00	0.0	54.73	0.07	1.3
SP15	54.66	60	54.78	0.12	2.4	54.66	0.00	0.0	54.73	0.07	1.4
SP16	54.66	90	54.75	0.09	2.7	54.66	0.00	0.0	54.70	0.04	1.2
SP17	54.66	128	54.75	0.09	3.8	54.66	0.00	0.0	54.68	0.02	0.9
SP18	54.75	26	54.80	0.05	0.4	54.79	0.04	0.3	54.77	0.02	0.2
SP19	54.60	241	54.68	0.08	6.4	54.61	0.01	0.8	54.67	0.07	5.6
SP20	54.65	139	54.80	0.15	7.0	54.68	0.03	1.4	54.77	0.12	5.6
SP21	54.64	101	54.76	0.12	4.0	54.64	0.00	0.0	54.64	0.00	0.0
SP22	54.56	180	54.78	0.22	13.2	54.56	0.00	0.0	54.56	0.00	0.0
SP23	54.75	228	54.84	0.09	6.8	54.75	0.00	0.0	54.79	0.04	3.0
SP23A	54.75	87	54.88	0.13	3.8	54.75	0.00	0.0	54.79	0.04	0.4
SP24	54.80	82	54.87	0.07	1.9	54.80	0.00	0.0	54.80	0.00	0.0
SP25	54.90	156	54.95	0.05	2.6	54.90	0.00	0.0	54.91	0.01	0.5
SP26	54.75	67	54.88	0.13	2.9	54.75	0.00	0.0	54.82	0.07	1.6
SP27	54.90	74	54.94	0.04	1.0	54.90	0.00	0.0	54.93	0.03	0.7
SP27A	54.90	44	54.96	0.06	0.9	54.90	0.00	0.0	54.93	0.03	0.5
SP28	54.90	31	54.98	0.08	0.8	54.90	0.00	0.0	54.91	0.01	0.1
SP29	54.95	71	55.02	0.07	1.7	54.95	0.00	0.0	54.95	0.00	0.0
SP30A	55.00	31	55.04	0.04	8.2	55.00	0.00	0.0	55.00	0.00	0.0
SP30B	55.00	20	55.05	0.05	9.2	55.00	0.00	0.0	55.00	0.00	0.0
SP31	54.91	4	54.99	0.08	0.1	54.91	0.00	0.0	54.91	0.00	0.0
SP32	54.91	5	54.99	0.08	0.1	54.91	0.00	0.0	54.91	0.00	0.0

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**OUVRAGE Project**

**PETRIE'S LANDING I - PHASES 3-5**  
 EMPLOYMENT Location  
 OTTAWA, ON. NO PROJET No.  
 OTT-00247308-A0  
 NO REVISION DATE (see m.j.)

1 ISSUED FOR REVIEW 18.06.03  
 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 UPDATE TO OVERLAND FLOW ROUTE 20.06.12  
 10 PRE-IFC FOR BRIGIL REVIEW 20.09.14  
 11 ISSUED FOR CONSTRUCTION 20.11.10  
 12 ISSUED FOR TOWER 4 BUILDING PERMIT 21.12.10  
 13 ISSUED FOR PERMIT UPDATE 22.03.14  
 14 ISSUED FOR 85% REVIEW 22.04.21  
 15 ISSUED FOR PERMIT 22.07.15  
 16 ISSUED FOR POST TENDER ADDENDUM 1 22.10.28  
 17 ISSUED FOR TENDER 22.12.05  
 18 ISSUED FOR CONSTRUCTION 22.12.16  
 19 ISSUED FOR RE-TENDER 23.03.10  
 20 ISSUED FOR COORDINATION 23.11.08  
 21 ISSUED FOR S4-009 23.11.17  
 22 UPDATED CITY NUMBER 26.02.10  
 23 ISSUED FOR SITE PLAN APPROVAL 25.11.17  
 24 ISSUED FOR PERMIT 26.02.10

DESIGNER PAR. Drawn by **S. BUTLER** VERIFIED PAR. Checked by **B. THOMAS**  
 DATE (see m.j.) 18.07.18 ECHÉLLE. Scale 1:400

**TITRE DU DESSIN Drawing Title**  
**STORM PONDING PLAN TOWERS 3 & 4**

**REVISION Revision** **NO. DESSIN Dwg Number**  
**C401**  
 #14602