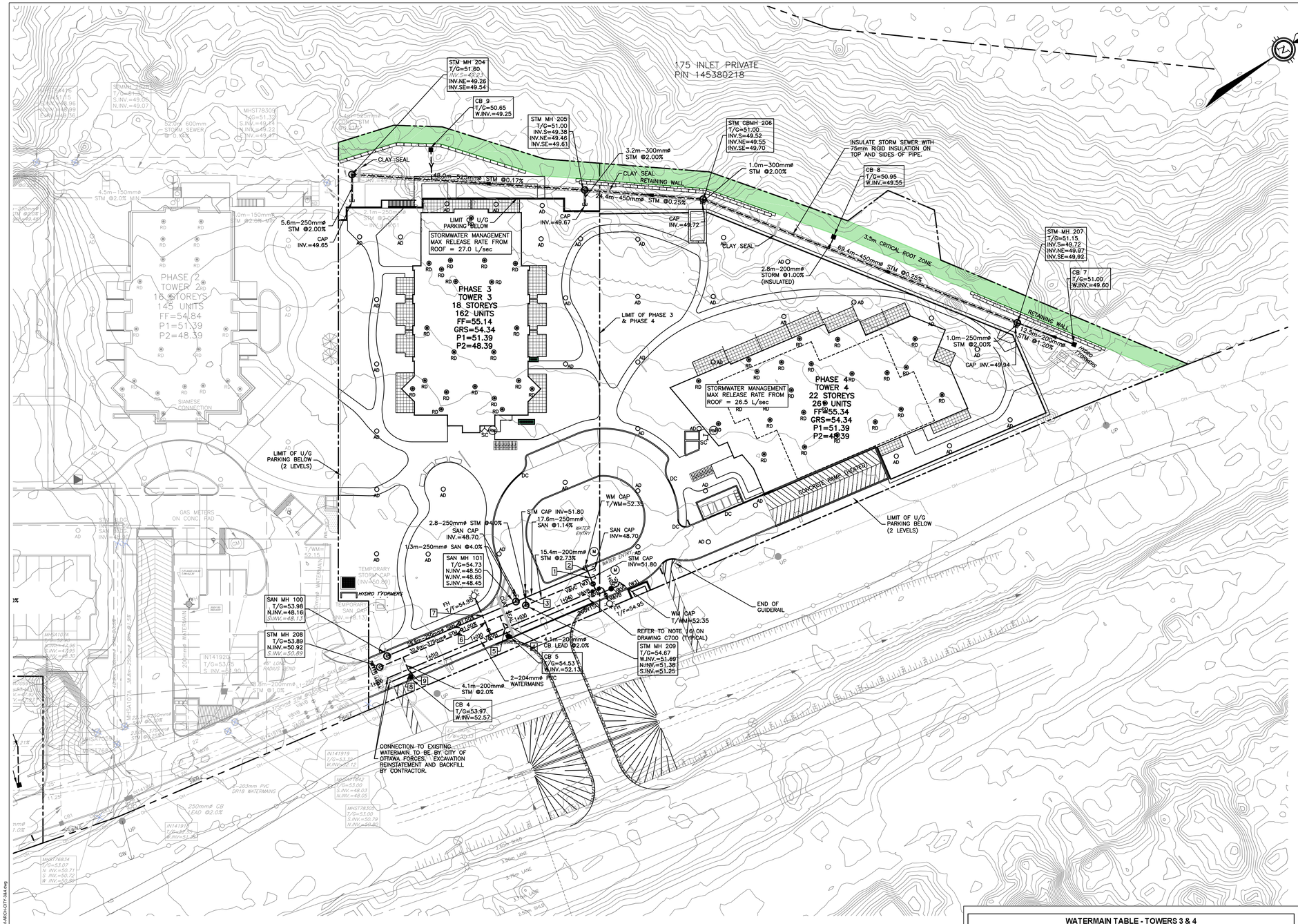
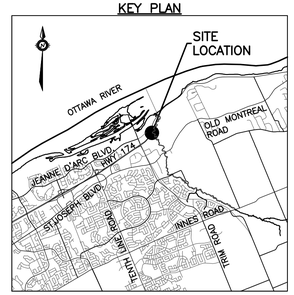


KEY PLAN



EXISTING LEGEND

OH	OVERHEAD WIRES
UP	UTILITY POLE
LS	LIGHT STANDARD
CB	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.250mmø SAN	STORM SEWER
EX.300mmø STM	SANITARY SEWER
EX.200mmø WM	WATERMAIN
	TREES
X	FENCE
54.75	ORIGINAL GROUND ELEVATION
55.00	EXISTING CONTOUR
⇒	OVERLAND FLOW ROUTE

PROPOSED LEGEND

	PROPERTY LINE
200mmø SAN	SANITARY SEWER
200mmø STM	STORM SEWER
200mmø WATERMAIN	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)
	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
M	WATER METER
RM	REMOTE WATER METER READER
SC	SIAMESE 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
	SILT FENCE
	BARRIER CURB (SC1.1)
DC	DEPRESSED BARRIER CURB LOCATION
	SWALE AND DIRECTION OF FLOW
	RETAINING WALL
▼	BUILDING ENTRY LOCATION
ADJ	STRUCTURE TO BE ADJUSTED
REL	STRUCTURE TO BE RELOCATED

SUMMARY OF STORM WATER MANAGEMENT (ROOF & AREA DRAINS)

Phase	TOWER #	LOCATION	TYPE	FLOW CONTROL	FLOW CONTROL METHOD	NO. WEIR SLOTS PER DRAIN	WEIR POSITON	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*				
		PARKING DECK - Hard Surfaces	*WATTS FD-463P-AF-4*	*YES*	*75mm LEADER*			
		PARKING DECK - Landcaping	*WATTS FD-870-TG*	*YES*	*75mm LEADER*			
Proposed Phase 3	Tower 3	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
		AMMENITITES ROOF	WATTS RD-CP-85	NONE				
		PARKING DECK - Hard Surfaces	WATTS FD-460-AF	YES	75mm ORIFICE			
		PARKING DECK - Landcaping	WATTS FD-460-AF	YES	75mm ORIFICE			
Future Phases 4, 5A, 5B	Towers 4, 5A, 5B	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
		AMMENITITES ROOF	WATTS RD-CP-85	NONE				
		PARKING DECK - Hard Surfaces	WATTS FD-460-AF	YES	75mm ORIFICE			
		PARKING DECK - Landscaping	WATTS FD-460-AF	YES	75mm ORIFICE			

WATERMAIN / SEWER CROSSING TABLE (PHASES 3 & 4)

LOCATION	SANITARY SEWER			STORM SEWER			WATERMAIN			CLEARANCES (mm)
	INVERT	DIA	OBV	INVERT	DIA	OBV	INVERT	DIA	OBV	
	ELEV (m)	(mm)	ELEV (m)	ELEV (m)	(mm)	ELEV (m)	ELEV (m)	(mm)	ELEV (m)	
1				51.38	200	51.58	52.12	200	52.32	540
2	48.65	250	48.9				52.14	200	52.34	3240
3	48.53	250	48.74	51.75	250	52.00				3260
4				53.12	200	53.32	51.93	200	52.13	990
5				53.08	200	53.28	51.93	200	52.13	990
6				51.16	375	51.54	52.1	200	52.30	560
7	48.38	250	48.63				52.12	200	52.32	3490
8				52.56	200	52.76	51.38	200	51.58	980
9				52.52	200	52.72	51.38	200	51.58	940

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+004.6	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+026	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	
	TEMP 200 CAP & THRUST BLOCK		54.75	52.35	
1+47.2	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	
		FIRE HYDRANT	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	

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

JOB BENCHMARK
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NCC MONUMENT 01919680184
MTM-NAD83 ZONE 9
NORTHING=5040610.15
EASTING=384736.57
ELEVATION=52.68

0 4m 8m 16m
HORIZONTAL 1:400

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OUVRAGE Project

PETRIE'S LANDING I - PHASES 3-5

EMPLACEMENT Location
OTTAWA, ON.

NO PROJET No.
OTT-00247308-A0

NO	RÉVISION	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

DESSINÉ PAR Drawn by
S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:400

TITRE DU DESSIN Drawing Title

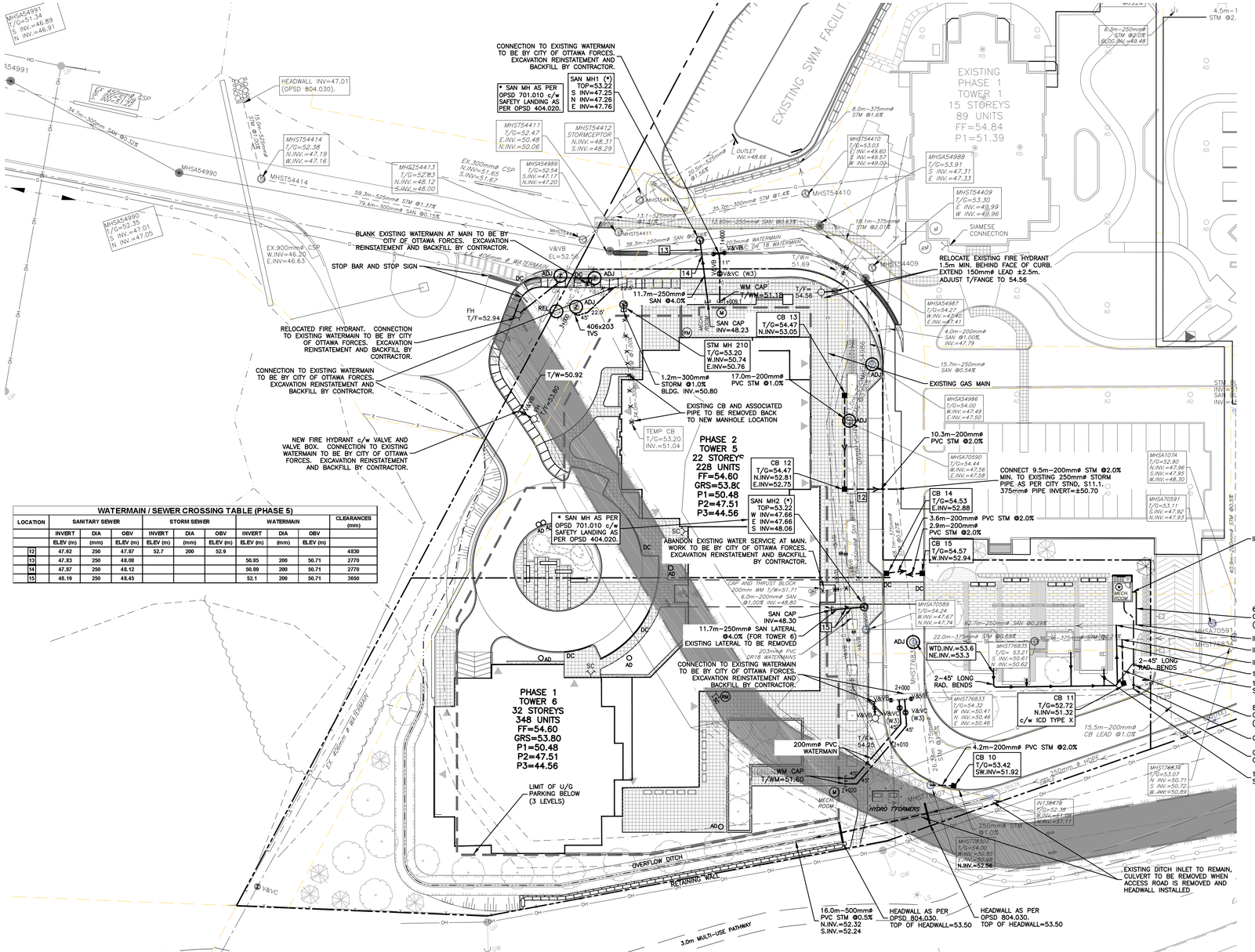
SITE SERVICING PLAN TOWERS 3 & 4

RÉVISION Revision

NO. DESSIN Dwg Number
C100

D-07-12-18-0143

#14602


CONNECTION TO EXISTING WATERMAIN TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
* SAN MH AS PER OPSD 701.010 c/w SAFETY LANDING AS PER OPSD 404.020.
SAN MH1 (*) TOP=53.22 S INV=47.25 N INV=47.26 E INV=47.76
HEADWALL INV=47.01 (OPSD 804.030).
MHST54414 T/G=52.38 N.INV=47.19 W.INV=47.16
MHST54413 T/G=52.63 N.INV=48.12 S.INV=48.00
MHST54411 T/G=52.47 E.INV=50.48 N.INV=50.06
MHST54412 STORMCEPTOR N.INV=48.31 S.INV=48.29
MHST54410 T/G=53.03 E INV=49.60 S INV=49.57 W INV=49.00
MHST54409 T/G=53.30 E INV=49.99 W INV=49.96
SIAMESE CONNECTION
RELOCATE EXISTING FIRE HYDRANT 1.5m MIN. BEHIND FACE OF CURB. EXTEND 150mmø LEAD ±2.5m. ADJUST T/FANGE TO 54.56
BLANK EXISTING WATERMAIN AT MAIN TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
STOP BAR AND STOP SIGN
FH T/F=52.94
RELOCATED FIRE HYDRANT. CONNECTION TO EXISTING WATERMAIN TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
CONNECTION TO EXISTING WATERMAIN TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
NEW FIRE HYDRANT c/w VALVE AND VALVE BOX. CONNECTION TO EXISTING WATERMAIN TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
EXISTING SWM FACILITY
EXISTING PHASE 1 TOWER 1 15 STOREYS 89 UNITS FF=54.84 P1=51.39
EXISTING GAS MAIN
EXISTING CB AND ASSOCIATED PIPE TO BE REMOVED BACK TO NEW MANHOLE LOCATION
PHASE 2 TOWER 5 22 STOREYS 228 UNITS FF=54.60 GRS=53.80 P1=50.48 P2=47.51 P3=44.56
PHASE 1 TOWER 6 32 STOREYS 348 UNITS FF=54.60 GRS=53.80 P1=50.48 P2=47.51 P3=44.56
LIMIT OF U/G PARKING BELOW (3 LEVELS)
* SAN MH AS PER OPSD 701.010 c/w SAFETY LANDING AS PER OPSD 404.020.
ABANDON EXISTING WATER SERVICE AT MAIN. WORK TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
CONNECTION TO EXISTING WATERMAIN TO BE BY CITY OF OTTAWA FORCES. EXCAVATION REINSTATEMENT AND BACKFILL BY CONTRACTOR.
CONNECT 9.5m–200mmø STM @2.0% MIN. TO EXISTING 250mmø STORM PIPE. AS PER CITY STND, S11.1. 375mmø PIPE INVERT=±50.70
CB 14 T/G=54.53 E.INV=52.88
3.6m–200mmø PVC STM @2.0%
2.9m–200mmø PVC STM @2.0%
CB 15 T/G=54.57 W.INV=52.94
INV.=52.47
6.6m–135mmø PVC SAN @ MIN. 1.0%. CONNECT TO EXISTING WITH 250x135 TEE (AS PER S11.1)
INV.=47.89
INV.=47.87
INV.=50.65
100mmø PVC DR28 SAN. CONN. AS PER S11.1
19mmø WATER SERVICE LINE AS PER W26, SET AT 2.4m COVER
8m–200mmø PVC STM @ MIN. 2.0%. CONNECT TO EXISTING WITH 375x200 TEE (AS PER S11.1)
CURB STOP (AS PER W26)
CONNECT SERVICE TO MAIN; CONNECTION BY CITY FORCES.
100mmø PVC DR28 SAN. CONNECTION @2.0%, SEASONAL USE ONLY
2–45° LONG RAD. BENDS
CB 11 T/G=52.72 N.INV=51.32 c/w ICD TYPE X
4.2m–200mmø PVC STM @2.0%
CB 10 T/G=53.42 SW.INV=51.92
15.5m–200mmø CB LEAD @1.0%
EXISTING DITCH INLET TO REMAIN, CULVERT TO BE REMOVED WHEN ACCESS ROAD IS REMOVED AND HEADWALL INSTALLED
16.0m–500mmø PVC STM @0.5% N.INV.=52.32 S.INV.=52.24
HEADWALL AS PER OPSD 804.030. TOP OF HEADWALL=53.50
HEADWALL AS PER OPSD 804.030. TOP OF HEADWALL=53.50
OVERFLOW DITCH
RETAINING WALL
3.0m MULTI-USE PATHWAY
HYDRO TFORMERS
MECH ROOM
REGIONAL ROAD 174 (WEST BOUND)
REGIONAL ROAD 174 (EAST BOUND)
EX. EDGE OF SHOULDER
EX. EDGE OF PAVEMENT
EX. GRAVEL STRIP
EX. GRASS MEDIAN
EX. CULVERT
EX. GUIDERAIL
EX. 406mmø ø WM TERMAIN
EX.300mmø CSP N.INV=51.65 S.INV=51.57
EX.900mmø CSP W.INV=46.20 E.INV=46.63
MHSA5499 T/G=51.34 S INV.=46.89 N INV.=46.91
MHSA54990 T/G=53.35 N INV.=47.05
MHSA54990 T/G=51.77 S INV.=47.01 N INV.=47.05
MHSA54989 T/G=52.54 S.INV.=47.17 N.INV.=47.20
MHSA54988 T/G=53.91 S INV.=47.31 E INV.=47.33
MHSA54987 T/G=54.27 W.INV.=47.40 E.INV.=47.41
MHSA54986 T/G=54.00 W.INV.=47.49 E.INV.=47.50
MHSA70590 T/G=54.44 W.INV.=47.56 E.INV.=47.58
MHSA70589 T/G=54.24 W.INV.=47.67 N.INV.=47.74
MHSA70591 T/G=53.11 S.INV.=47.93 W.INV.=47.93
MHSA5107A T/G=52.90 N.INV.=47.95 S.INV.=47.95 W.INV.=48.30
MHST76835 T/G= 53.21 S INV.=50.61 N INV.=50.62
MHST76833 T/G=54.32 W INV.=50.41 N INV.=50.46 E INV.=50.46
MHST76814 T/G=53.07 N INV.=50.71 S INV.=50.72 W.INV=50.89
MHST76807 T/G=54.00 W.INV.=50.85 E INV.=50.98 N.INV.=52.56
IN138478 T/G=52.38 N.INV.=51.08 W.INV.=51.11
MHST54407 T/G=54.25
MHST54408 T/G=54.56
MHST54409 T/G=54.56
MHST54410 T/G=54.56
MHST54411 T/G=54.56
MHST54412 T/G=54.56
MHST54413 T/G=54.56
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MHSA55008 T/G=54.56
MHSA55009 T/G=54.56

PAVEMENT STRUCTURE:

ASPHALT PAVEMENT (OVER EARTH)

ASPHALT PAVEMENT (OVER PARKING STRUCTURE). REFER TO ARCHITECTURAL PLANS

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES OVER EARTH SHALL BE AS FOLLOWS:
40mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
50mm HL-8 OR SUPERPAVE (PG) 58-34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
400mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANUALR B TYPE I OR II

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES AREAS OVER PARKING STRUCTURES SHALL BE AS FOLLOWS:
40mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
50mm HL-8 OR SUPERPAVE (PG) 58-34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
100mm SUBBASE – OPSS GRANULAR B TYPE II
BELOW GRANULAR B REFER TO ARCHITECTURAL PLANS

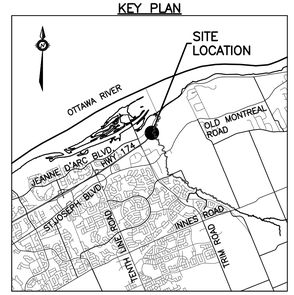
LIGHT DUTY PAVEMENT STRUCTURE FOR NEW PARKING OVER EARTH SHALL BE AS FOLLOWS:
50mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
300mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANUALR B TYPE I OR

LIGHT DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES AREAS OVER PARKING STRUCTURES SHALL BE AS FOLLOWS:
50mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
100mm SUBBASE – OPSS GRANULAR B TYPE II
BELOW GRANULAR B REFER TO ARCHITECTURAL PLAN

GRADING NOTE:

ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED CATCHBASINS AND AREA DRAINS INLETS 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.

KEY PLAN



EXISTING LEGEND

OH — OH — OVERHEAD WIRES
UP UTILITY POLE
LS LIGHT STANDARD
CB 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.250mmø SAN STORM SEWER
EX.300mmø STM SANITARY SEWER
EX.200mmø WM WATERMAIN
TREES
X — X FENCE
54.75 ORIGINAL GROUND ELEVATION
55.00 EXISTING CONTOUR
OVERLAND FLOW ROUTE

PROPOSED LEGEND

PROPERTY LINE
200mmø SAN SANITARY SEWER
200mmø STM STORM SEWER
200mmø WATERMAIN 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)
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
RM REMOTE WATER METER READER
SC SIAMESE 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
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OVERLAND FLOW ROUTE
PHASING LIMITS
SILT FENCE
BARRIER CURB (SC1.1)
DC DEPRESSED BARRIER CURB LOCATION
SWALE AND DIRECTION OF FLOW
RETAINING WALL
BUILDING ENTRY LOCATION
ADJ STRUCTURE TO BE ADJUSTED
REL STRUCTURE TO BE RELOCATED

0 4m 8m 16m
HORIZONTAL 1:400

TOPOGRAPHIC INFORMATION

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DATED JULY 20, 2018

JOB BENCHMARK

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NCC MONUMENT 01919680184
MTM–NAD83 ZONE 9
NORTHING=5040610.15
EASTING=354736.57
ELEVATION=52.68

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OUVRAGE Project

PETRIE'S LANDING I - PHASES 3-5

EMPLACEMENT Location
OTTAWA, ON.

NO PROJET No.
OTT-00247308-A0

NO	RÉVISION	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
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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
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17	ISSUED FOR COORDINATION	23.11.08
18	ISSUED FOR SI-009	23.11.17
19	ISSUED FOR APPROVAL	24.06.24

DESSINÉ PAR Drawn by
S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:400

TITRE DU DESSIN Drawing Title

SITE GRADING PLAN TOWERS 3 & 4

RÉVISION Revision

NO. DESSIN Dwg Number
C200
D-07-12-18-0143
#14602

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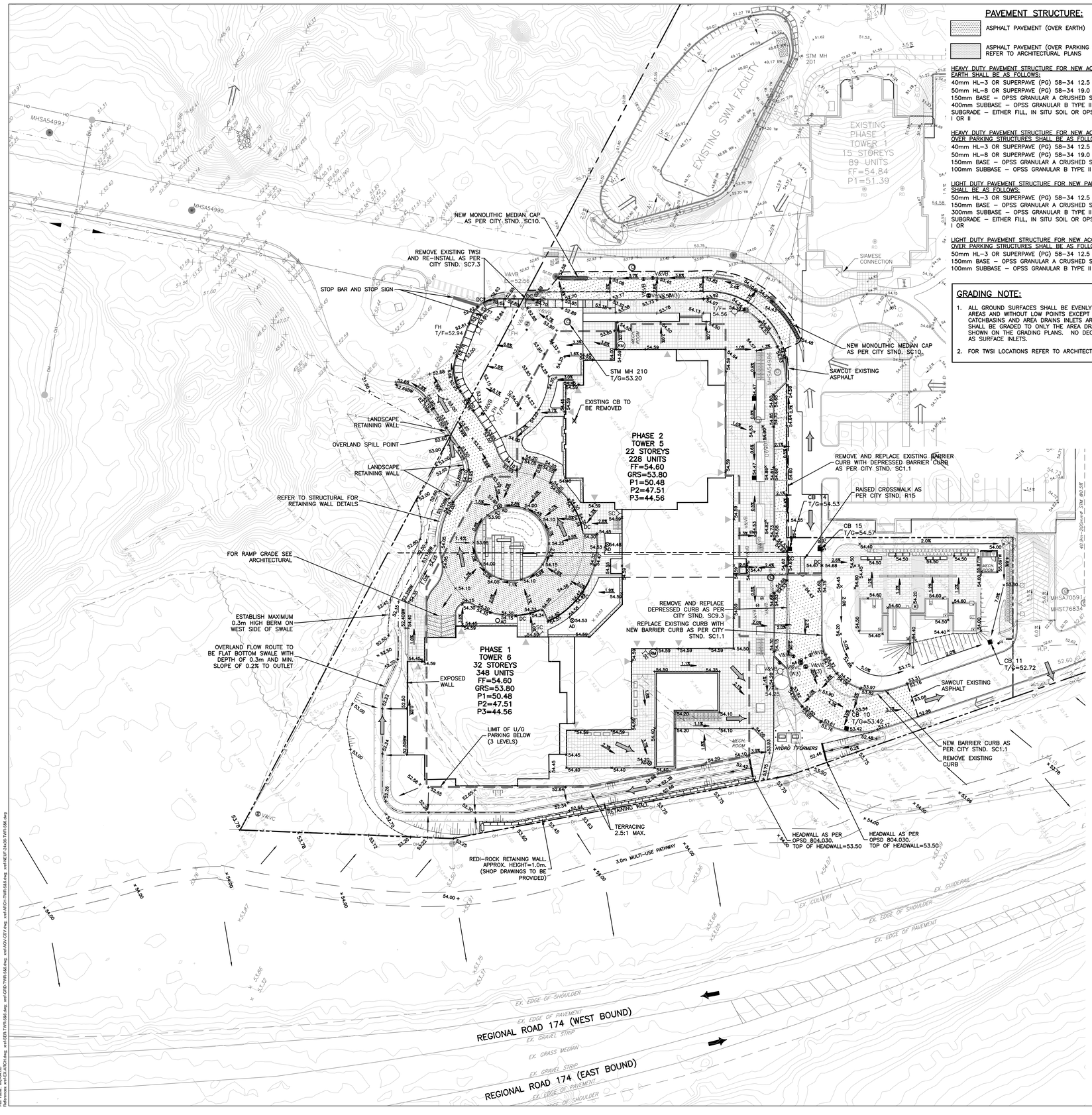

PAVEMENT STRUCTURE:

ASPHALT PAVEMENT (OVER EARTH)

ASPHALT PAVEMENT (OVER PARKING STRUCTURE). REFER TO ARCHITECTURAL PLANS

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES OVER EARTH SHALL BE AS FOLLOWS:
40mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
50mm HL-8 OR SUPERPAVE (PG) 58-34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
400mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANULAR B TYPE I OR II

HEAVY DUTY PAVEMENT STRUCTURE FOR NEW ACCESS LANES AREAS OVER PARKING STRUCTURES SHALL BE AS FOLLOWS:
40mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
50mm HL-8 OR SUPERPAVE (PG) 58-34 19.0 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
100mm SUBBASE – OPSS GRANULAR B TYPE II

LIGHT DUTY PAVEMENT STRUCTURE FOR NEW PARKING OVER EARTH SHALL BE AS FOLLOWS:
50mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
300mm SUBBASE – OPSS GRANULAR B TYPE II
SUBGRADE – EITHER FILL, IN SITU SOIL OR OPSS GRANULAR B TYPE I OR

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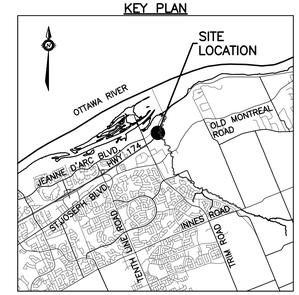
50mm HL-3 OR SUPERPAVE (PG) 58-34 12.5 ASPHALTIC CONCRETE
150mm BASE – OPSS GRANULAR A CRUSHED STONE
100mm SUBBASE – OPSS GRANULAR B TYPE II

GRADING NOTE:

1. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED CATCHBASINS AND AREA DRAINS INLETS 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.
2. FOR TWSI LOCATIONS REFER TO ARCHITECTURAL PLANS

KEY PLAN



EXISTING LEGEND

OH — OH	OVERHEAD WIRES
UP	UTILITY POLE
LS	LIGHT STANDARD
CB	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.250mmø SAN	STORM SEWER
EX.300mmø STM	SANITARY SEWER
EX.200mmø WM	WATERMAIN
	TREES
X — X	FENCE
54.75	ORIGINAL GROUND ELEVATION
55.00	EXISTING CONTOUR
	OVERLAND FLOW ROUTE

PROPOSED LEGEND

	PROPERTY LINE
200mmø SAN	SANITARY SEWER
200mmø STM	STORM SEWER
200mmø WATERMAIN	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)
	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
RM	REMOTE WATER METER READER
SC	SIAMESE 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
HP	HIGH POINT
	TERRACING
T/G=	TOP OF GRATE ELEVATION
T/F=	TOP OF FLANGE
	OVERLAND FLOW ROUTE
	PHASING LIMITS
	SILT FENCE
	BARRIER CURB (SC1.1)
DC	DEPRESSED BARRIER CURB LOCATION
	SWALE AND DIRECTION OF FLOW
	RETAINING WALL
	BUILDING ENTRY LOCATION
ADJ	STRUCTURE TO BE ADJUSTED
REL	STRUCTURE TO BE RELOCATED

TOPOGRAPHIC INFORMATION

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

JOB BENCHMARK

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NCC MONUMENT 01919680184
MTM–NAD83 ZONE 9
NORTHING=5040610.15
EASTING=354736.57
ELEVATION=52.68

0 4m 8m 16m
HORIZONTAL 1:400

ARCHITECTURE DE PAYSAGE Landscape architect

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S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:400

TITRE DU DESSIN Drawing Title

SITE GRADING PLAN TOWERS 5 & 6

RÉVISION Revision

NO. DESSIN Dwg Number
C201
D-07-12-18-0143
#14602

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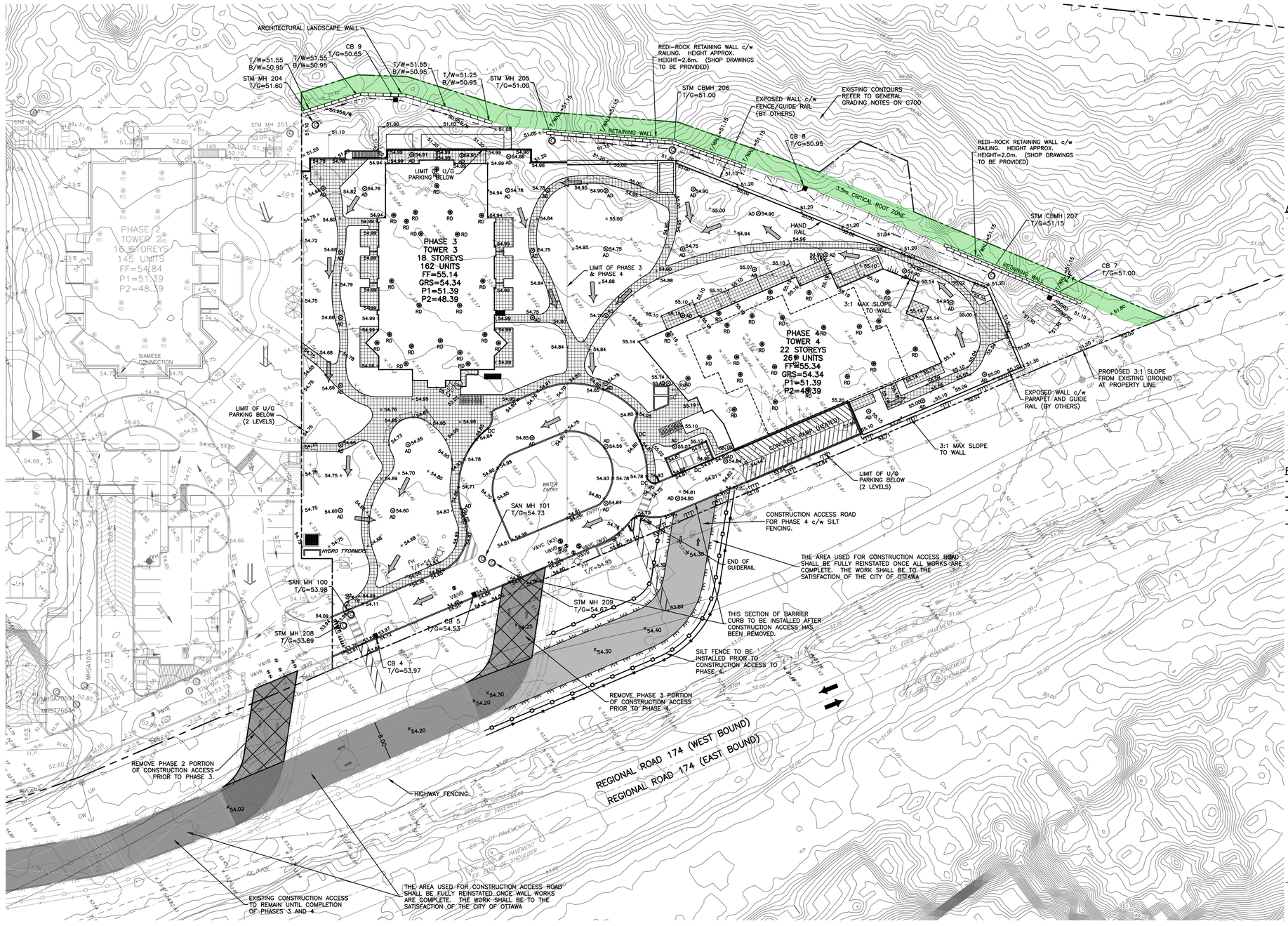
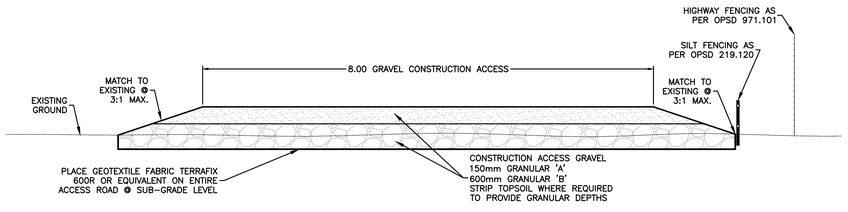
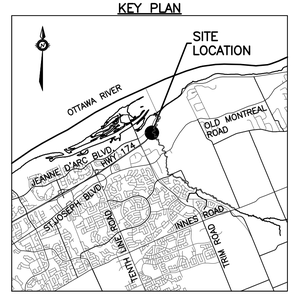




CONSTRUCTION ACCESS ROAD CROSS SECTION

N.T.S

KEY PLAN



EXISTING LEGEND

- 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

- PROPERTY LINE
- 200mmø SAN — SANITARY SEWER
- 200mmø STM — STORM SEWER
- 200mmø WATERMAIN — 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)
- 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
- M — WATER METER
- RM — REMOTE WATER METER READER
- SC — SIAMESE 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
- SILT FENCE
- BARRIER CURB (SC1.1)
- DC — DEPRESSED BARRIER CURB LOCATION
- SWALE AND DIRECTION OF FLOW
- RETAINING WALL
- BUILDING ENTRY LOCATION
- ADJ — STRUCTURE TO BE ADJUSTED
- REL — STRUCTURE TO BE RELOCATED

0 4m 8m 16m
HORIZONTAL 1:400

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
MTM–NAD83 ZONE 9
NORTHING=5040610.15
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ARCHITECTURE DE PAYSAGE Landscape architect

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OUVRAGE Project

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ÉCHELLE Scale
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TITRE DU DESSIN Drawing Title

CONSTRUCTION ACCESS PLAN TOWERS 3 & 4

RÉVISION Revision

NO. DESSIN Dwg Number
C202
D-07-12-18-0143
#14602

Filename: \\ottfiles\projects\ottawa\247000s\247020s\247030s\247308_petrie's landing towers 3, 4, 5 - brigil\drawings\arch\ex-arch\247308-c202.dwg
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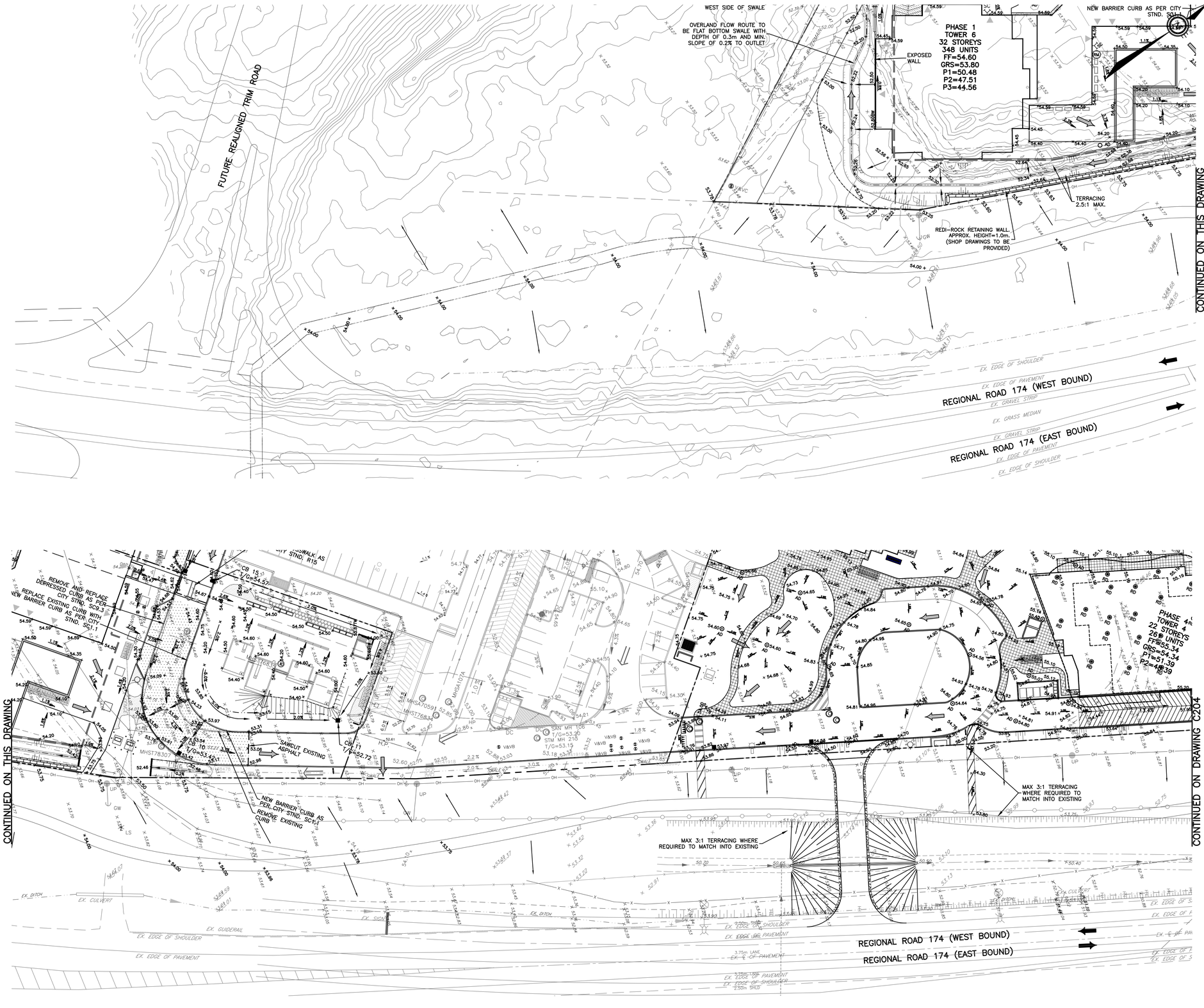
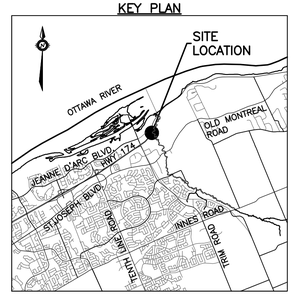


KEY PLAN



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D-07-12-18-0143
#14602

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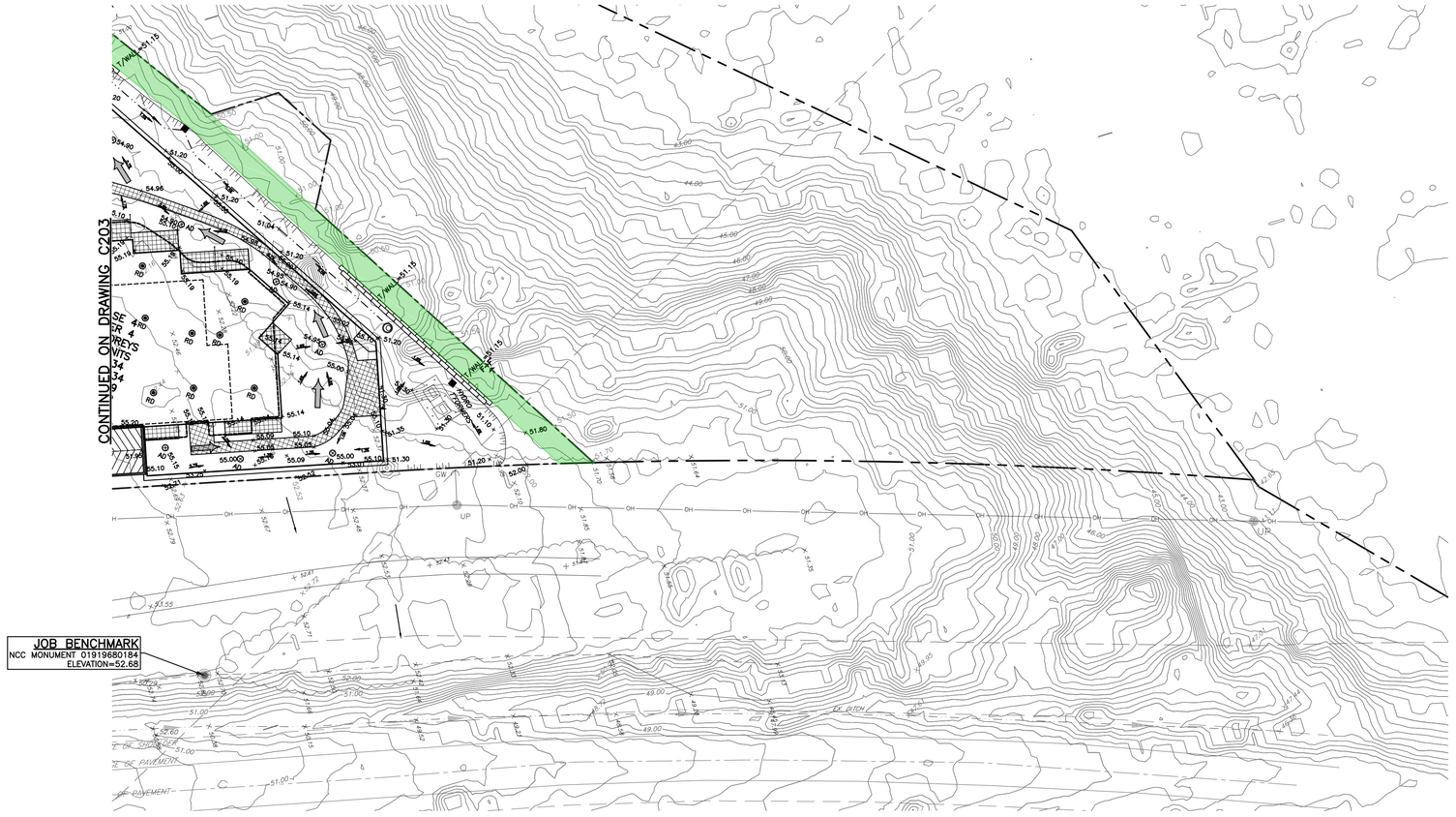
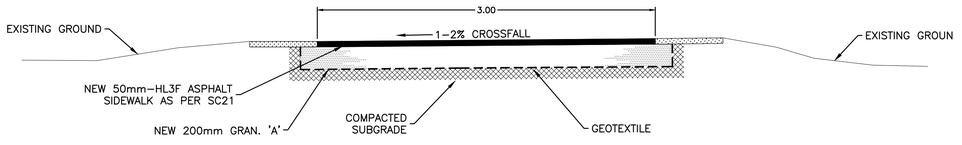
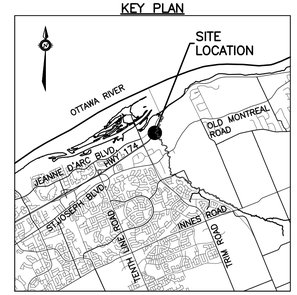




TYPICAL MUP AS PER SC21

N.T.S

KEY PLAN



EXISTING LEGEND

OH OH	OVERHEAD WIRES
UP	UTILITY POLE
LS	LIGHT STANDARD
CB	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.250mmø SAN	STORM SEWER
EX.300mmø STM	SANITARY SEWER
EX.200mmø WM	WATERMAIN
	TREES
X X	FENCE
54.75+	ORIGINAL GROUND ELEVATION
55.00	EXISTING CONTOUR
	OVERLAND FLOW ROUTE

PROPOSED LEGEND

	PROPERTY LINE
200mmø SAN	SANITARY SEWER
200mmø STM	STORM SEWER
200mmø WATERMAIN	WATERMAIN
	CLAY SEAL
STM MH 211	STORM MANHOLE
SAN MH 104	SANITARY MANHOLE
CB1	CATCHBASIN
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200x150	WATERMAIN REDUCER
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FF=	FLOOR ELEVATION
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H.P.	HIGH POINT
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DC	DEPRESSED BARRIER CURB LOCATION
	SWALE AND DIRECTION OF FLOW
	RETAINING WALL
	BUILDING ENTRY LOCATION
ADJ	STRUCTURE TO BE ADJUSTED
REL	STRUCTURE TO BE RELOCATED

TOPOGRAPHIC INFORMATION

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

JOB BENCHMARK

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NCC MONUMENT 01919680184
MTM-NAD83 ZONE 9
NORTHING=5040610.15
EASTING=354736.57
ELEVATION=52.68

0 4m 8m 16m
HORIZONTAL 1:400

ARCHITECTURE DE PAYSAGE Landscape architect

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OUVRAGE Project

PETRIE'S LANDING I - PHASES 3-5

EMPLACEMENT Location
OTTAWA, ON.

NO PROJET No.
OTT-00247308-A0

NO	RÉVISION	DATE (aa.mm.jj)
1	ISSUED FOR REVIEW	18.08.03
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17	ISSUED FOR COORDINATION	23.11.08
18	ISSUED FOR SI-009	23.11.17
19	ISSUED FOR APPROVAL	24.06.24

DESSINÉ PAR Drawn by
S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:400

TITRE DU DESSIN Drawing Title

MUP GRADING PLAN

RÉVISION Revision

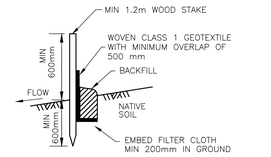
NO. DESSIN Dwg Number
C204

D-07-12-18-0143
#14602

EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES.
5. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING.
6. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
7. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
8. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
9. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
10. CONSTRUCTION AND MAINTENANCE REQUIRMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPEFICICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.

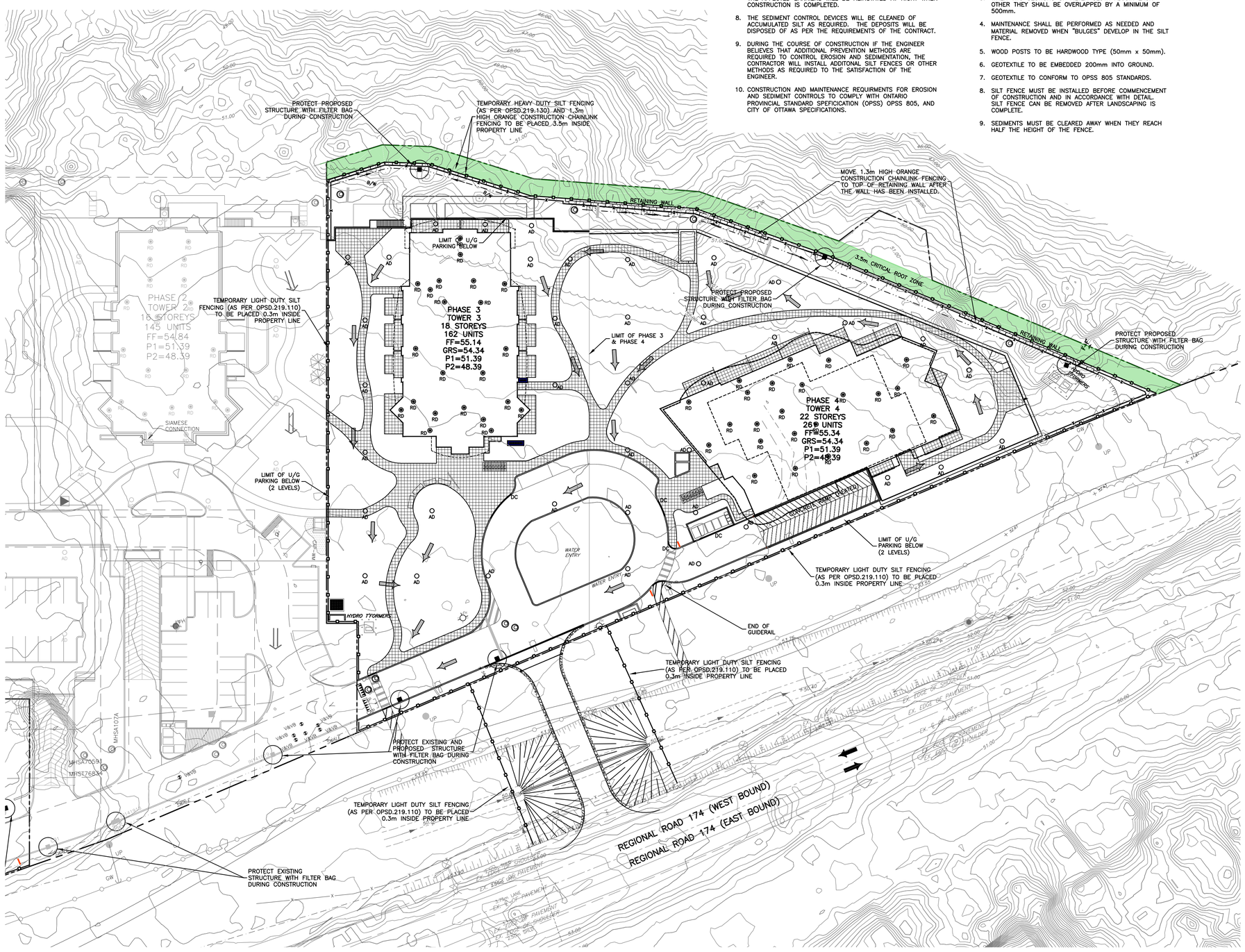


LIGHT DUTY SILT FENCE BARRIER

N.T.S.

NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
6. GEOTEXTILE TO BE EMBEDDED 200mm INTO GROUND.
7. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
8. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
9. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.



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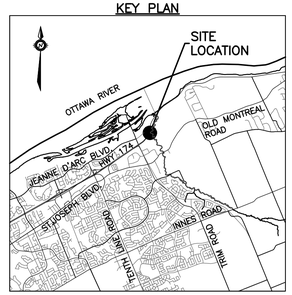

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OUVRAGE Project

PETRIE'S LANDING I - PHASES 3-5

EMPLACEMENT Location
OTTAWA, ON.

NO PROJET No.
OTT-00247308-A0

NO	RÉVISION	DATE (aa.mm.jj)
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S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:400

TITRE DU DESSIN Drawing Title

EROSION & SEDIMENT CONTROL PLAN TOWERS 3 & 4

RÉVISION Revision

NO. DESSIN Dwg Number
C300
D-07-12-18-0143
#14602

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Name	Area (ha)	Cavg
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S02	0.0048	0.36
S04	0.0285	0.25
S05	0.037	0.21
S06	0.0075	0.90
S07	0.1446	0.72
S08	0.0594	0.45
S09	0.0294	0.90
S10	0.0078	0.90
S11	0.0092	0.90
S12	0.0293	0.90
S13	0.0096	0.90
S14	0.0359	0.90
S15	0.0066	0.90
S16	0.028	0.29
S17	0.0246	0.38
S18	0.0168	0.36
S19	0.0366	0.37
S20	0.0411	0.33
S21	0.0849	0.90
S22	0.0299	0.68
S23	0.1972	0.20
S24	0.0602	0.28
S25	0.0338	0.20
S26	0.0662	0.27
S27	0.0552	0.77
S28	0.0328	0.70
S29	0.0376	0.36
S30	0.1517	0.36
S31	0.0372	0.90
S32	0.0197	0.90
S33	0.0302	0.33
S34	0.0543	0.73
S37	0.087	0.90
S38	0.0506	0.90
S39	0.0951	0.34
S40	0.114	0.65
S41	0.213	0.79
S42	0.127	0.68
S43	0.029	0.90
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S47	0.0243	0.84
S48	0.0359	0.80
S49	0.0801	0.61
S50	0.02	0.43
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S75	0.1074	0.69
S76	0.0403	0.90
S77	0.0208	0.90
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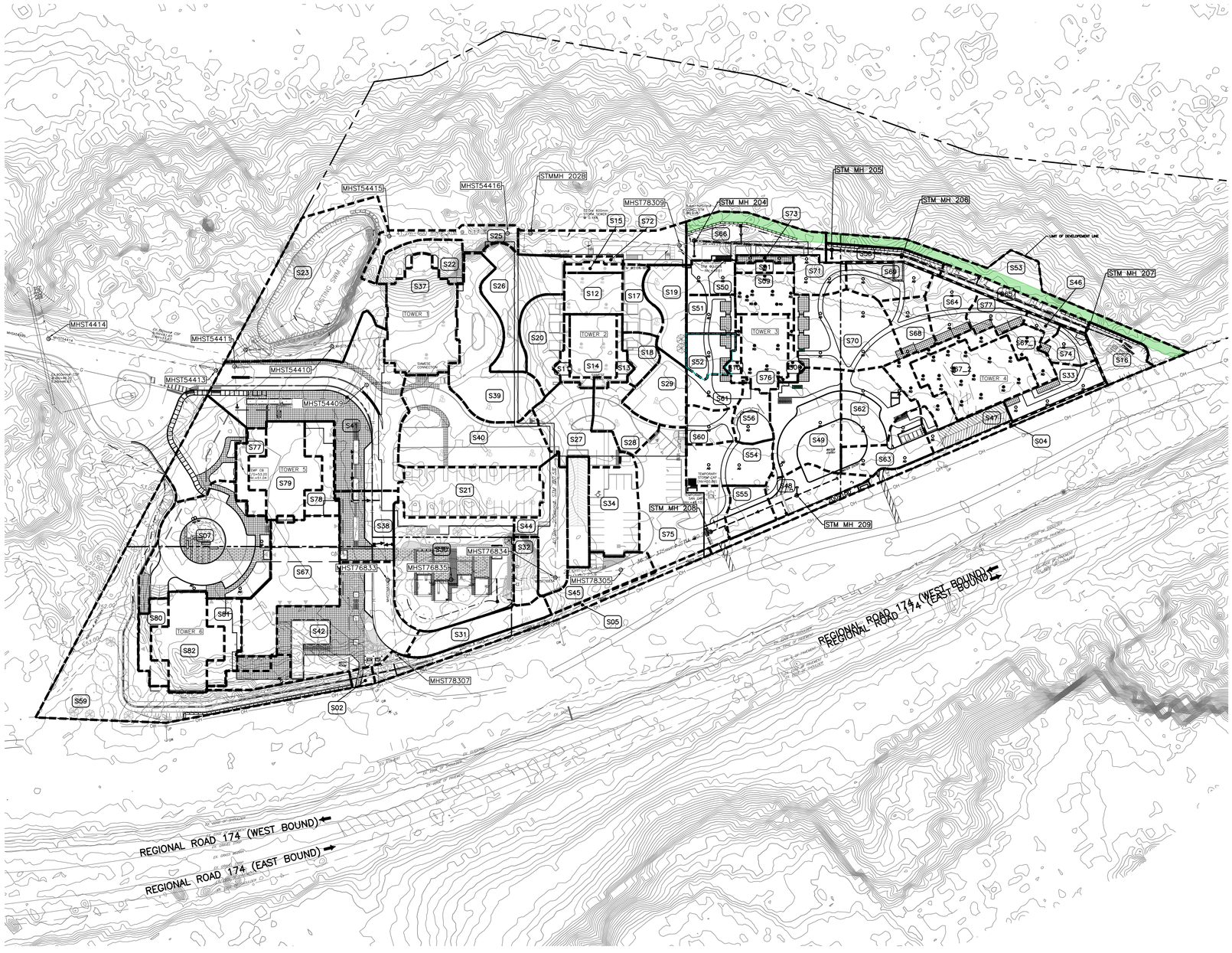

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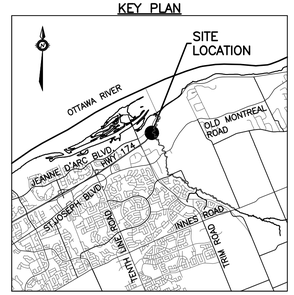

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- REL — STRUCTURE TO BE RELOCATED
- S02 — SUBCATCHMENT AREA NUMBER

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OUVRAGE Project

PETRIE'S LANDING I - PHASES 3-5

EMPLACEMENT Location
OTTAWA, ON.

NO PROJET No.
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
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7	REVISED PER CITY COMMENTS	19.07.30
8	UPDATED TOWER 4	20.02.12
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21	ISSUED FOR SI-009	23.11.17

DESSINÉ PAR Drawn by
S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:750

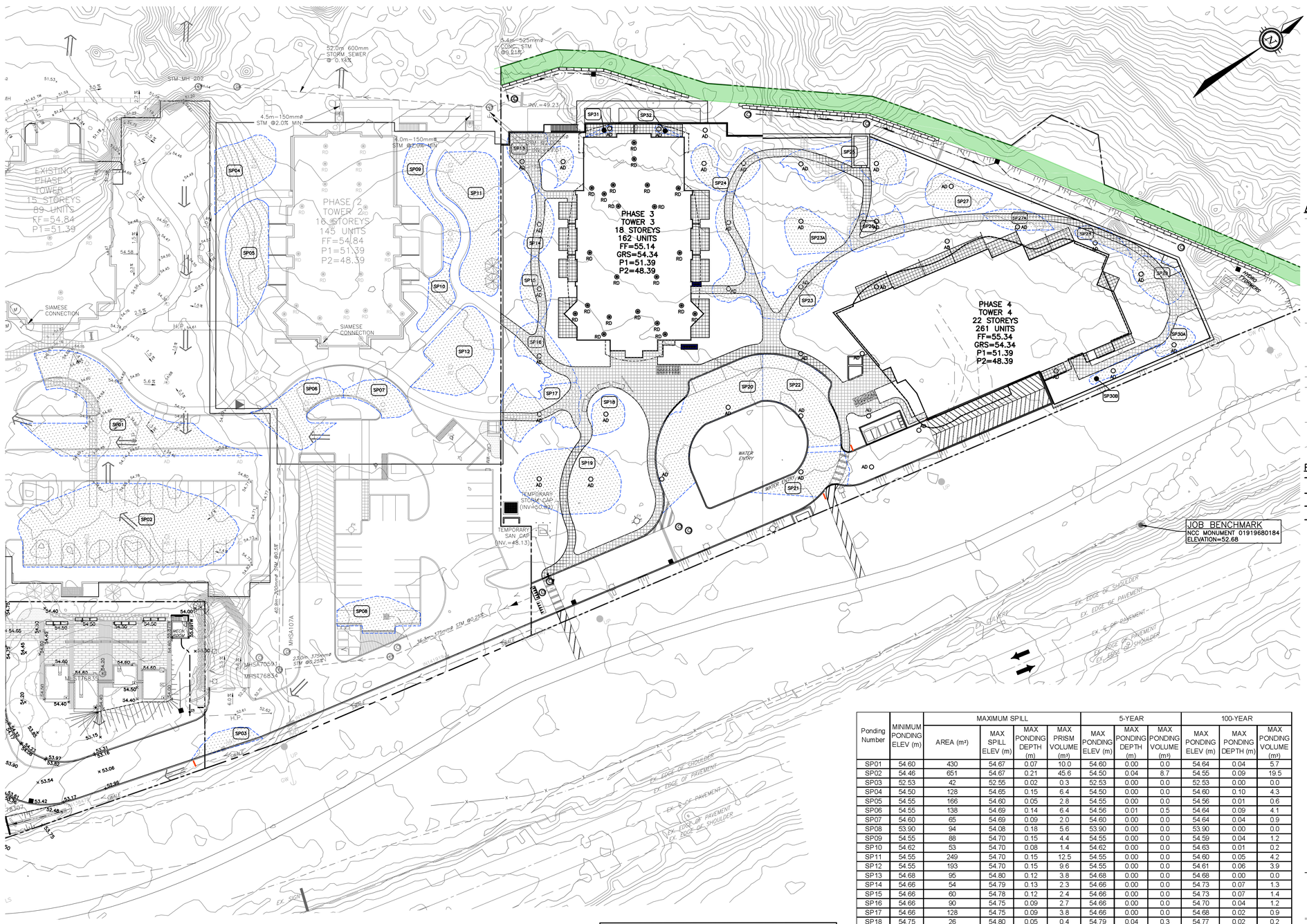
TITRE DU DESSIN Drawing Title

STORM DRAINAGE PLAN

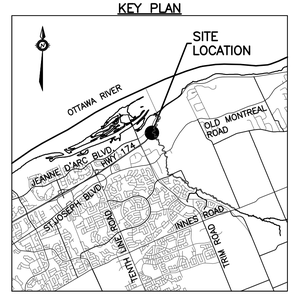
RÉVISION Revision

NO. DESSIN Dwg Number
C400

D-07-12-18-0143
#14602



KEY PLAN



EXISTING LEGEND

OH — OH	OVERHEAD WIRES
UP	UTILITY POLE
LS	LIGHT STANDARD
CB	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.250mmø SAN	STORM SEWER
EX.300mmø STM	SANITARY SEWER
EX.200mmø WM	WATERMAIN
	TREES
X — X	FENCE
54.75	ORIGINAL GROUND ELEVATION
55.00	EXISTING CONTOUR
	OVERLAND FLOW ROUTE

PROPOSED LEGEND

	PROPERTY LINE
200mmø SAN	SANITARY SEWER
200mmø STM	STORM SEWER
200mmø WATERMAIN	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)
	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
M	WATER METER
RM	REMOTE WATER METER READER
SC	SIAMESE 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
	SILT FENCE
	BARRIER CURB (SC1.1)
DC	DEPRESSED BARRIER CURB LOCATION
	SWALE AND DIRECTION OF FLOW
	RETAINING WALL
	BUILDING ENTRY LOCATION
ADJ	STRUCTURE TO BE ADJUSTED
REL	STRUCTURE TO BE RELOCATED
SP36	MAXIMUM SPILL PONDING LIMIT SHOWN (REFER TO TABLE ON DRAWING)

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	54.50	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	65	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
SP35	53.5	88	53.65	0.15	4.4	53.53	0.03	0.9	53.70	0.20	5.9
SP36	54.3	86	54.4	0.10	2.9	54.30	0.00	0.0	54.32	0.02	0.6
SP99	51.89	45	52.04	0.15	5	51.92	0.03	0.5	52.02	0.12	1.8

GRADING NOTE:

ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED CATCHBASINS AND AREA DRAINS INLETS 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.

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
MTM–NAD83 ZONE 9
NORTHING=5040610.15
EASTING=354736.57
ELEVATION=52.68

0 4m 8m 16m
HORIZONTAL 1:400

ARCHITECTURE DE PAYSAGE Landscape architect

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19	ISSUED FOR APPROVAL	24.06.24

DESSINÉ PAR Drawn by
S.BUTLER

VÉRIFIÉ PAR Checked by
B.THOMAS

DATE (aa.mm.jj)
18.07.18

ÉCHELLE Scale
1:400

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

RÉVISION Revision

NO. DESSIN Dwg Number
C401

D-07-12-18-0143

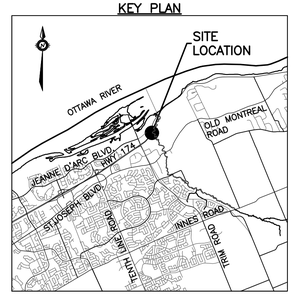
#14602

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)
SP35	53.50	88	53.7	0.20	4.4	53.53	0.03	0.9	53.70	0.20	5.9
SP36	54.20	47	54.40	0.20	2.3	54.20	0.00	0.0	54.22	0.02	0.3
SP99	51.89	45	52.04	0.15	5	51.92	0.03	0.5	52.02	0.12	1.8

GRADING NOTE:

ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED CATCHBASINS AND AREA DRAINS INLETS 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.

KEY PLAN



EXISTING LEGEND

- OH — OH — OVERHEAD WIRES
- UP UTILITY POLE
- LS LIGHT STANDARD
- CB CATCHBASIN
- CBE CATCHBASIN ELBOW
- CBT CATCHBASIN TEE
- AD AREA DRAIN
- T/G TOP OF GRATE
- GM GAS METER
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- FH FIRE HYDRANT
- EX.250mmø SAN STORM SEWER
- EX.300mmø STM SANITARY SEWER
- EX.200mmø WM WATERMAIN
- TREES
- X — X FENCE
- 54.75% 52.75 ORIGINAL GROUND ELEVATION
- 55.00 EXISTING CONTOUR
- OVERLAND FLOW ROUTE

PROPOSED LEGEND

- PROPERTY LINE
- 200mmø SAN SANITARY SEWER
- 200mmø STM STORM SEWER
- 200mmø WATERMAIN 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)
- 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
- WATER METER
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- GRS= GARAGE FLOOR SLAB ELEVATION
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- 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
- SILT FENCE
- BARRIER CURB (SC1.1)
- DC DEPRESSED BARRIER CURB LOCATION
- SWALE AND DIRECTION OF FLOW
- RETAINING WALL
- BUILDING ENTRY LOCATION
- ADJ STRUCTURE TO BE ADJUSTED
- REL STRUCTURE TO BE RELOCATED
- SP36 MAXIMUM SPILL PONDING LIMIT SHOWN (REFER TO TABLE ON DRAWING)

TOPOGRAPHIC INFORMATION

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ARCHITECTURE DE PAYSAGE Landscape architect

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OUVRAGE Project

PETRIE'S LANDING I - PHASES 3-5

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OTTAWA, ON.

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DESSINÉ PAR Drawn by S.BUTLER
VÉRIFIÉ PAR Checked by B.THOMAS
DATE (aa.mm.jj) 18.07.18
ÉCHELLE Scale 1:400

TITRE DU DESSIN Drawing Title

STORM PONDING PLAN TOWERS 5 & 6

RÉVISION Revision
NO. DESSIN Dwg Number C402

D-07-12-18-0143
#14602