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Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCH BASIN MANHOLE
- THERMAL INSULATION ABOVE STORM AS PER S35
- CIRCULAR ORIFICE (SEE ICD TABLE)
- PROPOSED CATCH BASIN
- PROPOSED WATTS FS-530 (OR EQUIVALENT) TO BE CONNECTED TO INTERNAL PLUMBING
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- PROPOSED WATER METER
- PROPOSED REMOTE WATER METER
- EXISTING C
- EXISTING B
- EXISTING TELLUS
- EXISTING TR
- EXISTING HYDRO
- EXISTING STREETLIGHT
- PHASE LINES

NOTES:

- FINAL SERVICE LATERAL SIZE, LOCATION AND ELEVATION TO BE CONFIRMED BY MECHANICAL CONSULTANT.
- CONTRACTOR TO LOCATE EXISTING SERVICES AND ANY CONFLICTS WITH EXISTING SERVICES MUST BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION.
- SITE PLAN PREPARED BY DIAMOND SCHMITT ARCHITECT INC. DATED: MAY 26, 2025
- TOPOGRAPHIC SURVEY SUPPLIED BY STANTEC CONSULTING LTD. DATED APRIL 11, 2022.
JOB BENCHMARK:
1. FIRE HYDRANT AT INTERSECTION OF REGINA AND LINCOLN HEIGHTS TOP OF SPINDLE ELEVATION 66.30.
2. FIRE HYDRANT INSIDE PROPERTY TOP OF SPINDLE ELEVATION 66.59.
- ASBUILT INFORMATION FROM J.G. KNOWLTON LTD. CONSULTING ENGINEERS. REGINA ST & WESTERN PARKWAY. 4372PLAN, DWG# SP-2, DATED SEPT, 1981

NO.	ISSUED FOR CITY REVIEW	BY	DATE
5	ISSUED FOR CITY REVIEW	JP	PM 25.03.20
4	ISSUED FOR CITY REVIEW	JP	PM 25.04.14
3	ISSUED FOR CITY REVIEW	JP	PM 25.02.12
2	ISSUED FOR CITY REVIEW	JP	PM 24.11.28
1	ISSUED FOR CITY REVIEW	JP	PM 24.03.28

Revision	By	Appd.	YY.MM.DD

File Name:	16401689-D8	JP	DT	JP	24.02.28
		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

2475 REGINA STREET

Ottawa, ON

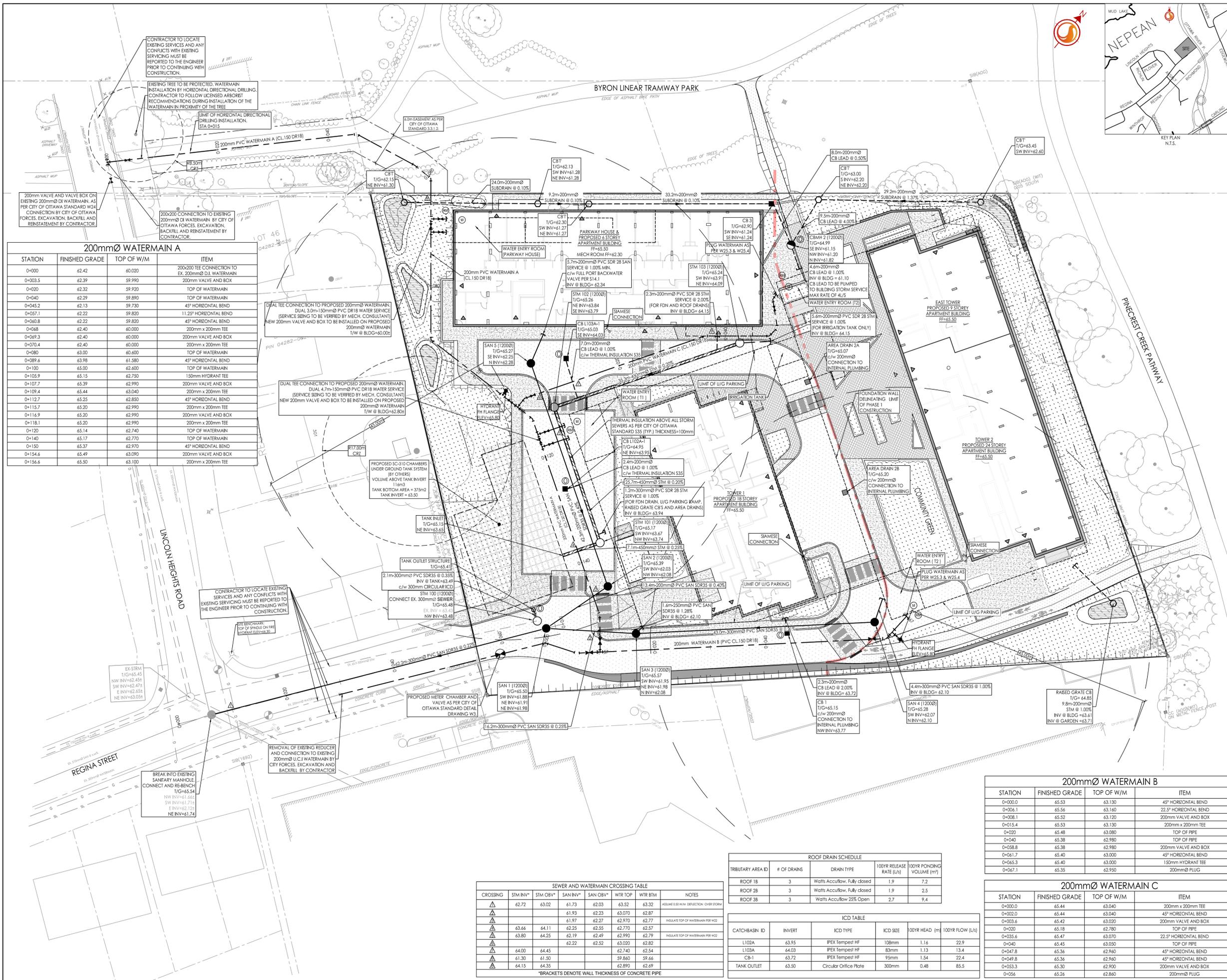
Title

SITE SERVICING PLAN
ULTIMATE (PHASE 1 & 2)

Project No. 16401689
Scale 0 3 9 15m
1:300

Drawing No. Sheet Revision

SSP-2 4 of 12 5



200mm WATERMAIN A

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	62.42	60.020	200x200 TEE CONNECTION TO EX. 200mm DI WATERMAIN
0+003.5	62.39	59.990	200mm VALVE AND BOX
0+020	62.32	59.920	TOP OF WATERMAIN
0+040	62.29	59.890	TOP OF WATERMAIN
0+045.2	62.13	59.730	45° HORIZONTAL BEND
0+057.1	62.22	59.820	11.25° HORIZONTAL BEND
0+060.8	62.22	59.820	45° HORIZONTAL BEND
0+068	62.40	60.000	200mm x 200mm TEE
0+069.3	62.40	60.000	200mm VALVE AND BOX
0+070.4	62.40	60.000	200mm x 200mm TEE
0+080	63.00	60.600	TOP OF WATERMAIN
0+089.6	63.98	61.580	45° HORIZONTAL BEND
0+100	65.00	62.600	TOP OF WATERMAIN
0+105.9	65.15	62.750	150mm HYDRANT TEE
0+107.7	65.39	62.990	200mm VALVE AND BOX
0+109.4	65.44	63.040	200mm x 200mm TEE
0+112.7	65.25	62.850	45° HORIZONTAL BEND
0+115.7	65.20	62.990	200mm x 200mm TEE
0+116.9	65.20	62.990	200mm VALVE AND BOX
0+118.1	65.20	62.990	200mm x 200mm TEE
0+120	65.14	62.740	TOP OF WATERMAIN
0+140	65.17	62.770	TOP OF WATERMAIN
0+150	65.37	62.970	45° HORIZONTAL BEND
0+154.6	65.49	63.090	200mm VALVE AND BOX
0+156.6	65.50	63.100	200mm x 200mm TEE

200mm WATERMAIN B

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000.0	65.53	63.130	45° HORIZONTAL BEND
0+006.1	65.56	63.160	22.5° HORIZONTAL BEND
0+008.1	65.52	63.120	200mm VALVE AND BOX
0+015.4	65.53	63.130	200mm x 200mm TEE
0+020	65.48	63.080	TOP OF PIPE
0+040	65.38	62.980	TOP OF PIPE
0+058.8	65.38	62.980	200mm VALVE AND BOX
0+061.7	65.40	63.000	45° HORIZONTAL BEND
0+065.3	65.40	63.000	150mm HYDRANT TEE
0+067.1	65.35	62.950	200mm PLUG

200mm WATERMAIN C

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000.0	65.44	63.040	200mm x 200mm TEE
0+002.0	65.44	63.040	45° HORIZONTAL BEND
0+003.4	65.42	63.020	200mm VALVE AND BOX
0+020	65.18	62.780	TOP OF PIPE
0+035.4	65.47	63.070	22.5° HORIZONTAL BEND
0+040	65.45	63.050	TOP OF PIPE
0+047.8	65.36	62.960	45° HORIZONTAL BEND
0+049.8	65.36	62.960	45° HORIZONTAL BEND
0+053.3	65.30	62.900	200mm VALVE AND BOX
0+056	65.26	62.860	200mm PLUG

ROOF DRAIN SCHEDULE

TRIBUTARY AREA ID	# OF DRAINS	DRAIN TYPE	100YR RELEASE RATE (L/s)	100YR PONDING VOLUME (m³)
ROOF 1B	3	Watts Accuflow, Fully closed	1.9	7.2
ROOF 2B	3	Watts Accuflow, Fully closed	1.9	2.5
ROOF 3B	3	Watts Accuflow 25% Open	2.7	9.4

SEWER AND WATERMAIN CROSSING TABLE

CROSSING	STM INV*	STM OBV*	SAN INV*	SAN OBV*	WIR TOP	WIR Btm	NOTES
▲	62.72	63.02	61.73	62.03	63.52	63.32	ABOVE 60mm DEFLECTION OVER STORM
▲			61.93	62.23	63.070	62.87	
▲			61.97	62.27	62.970	62.77	INSULATE TOP OF WATERMAIN PER W2
▲	63.66	64.11	62.25	62.55	62.770	62.57	
▲	63.80	64.25	62.19	62.49	62.990	62.79	INSULATE TOP OF WATERMAIN PER W2
▲			62.22	62.52	63.020	62.82	
▲	64.00	64.45			62.740	62.54	
▲	61.30	61.50			59.860	59.66	
▲	64.15	64.35			62.890	62.69	

*BRACKETS DENOTE WALL THICKNESS OF CONCRETE PIPE

ICD TABLE

CATCHBASIN ID	INVERT	ICD TYPE	ICD SIZE	00YR HEAD (m)	100YR FLOW (L/s)
L102A	63.95	IPEx Tempset HF	108mm	1.16	22.9
L103A	64.03	IPEx Tempset HF	83mm	1.13	13.4
Cb-1	63.72	IPEx Tempset HF	95mm	1.54	22.4
TANK OUTLET	63.50	Circular Orifice Plate	300mm	0.48	85.5