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	PROPOSED WATERMAIN
	PROPOSED VALVE AND VALVE BOX
	PROPOSED HYDRANT
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED CATCH BASIN MANHOLE
	THERMAL INSULATION ABOVE TABLE AS PER S35
	CIRCULAR ORIFICE (SEE ICD TABLE)
	PROPOSED CATCH BASIN
	PROPOSED WAITS (2'-60") (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 CABLE
	EXISTING BELL
	EXISTING TELSUS
	EXISTING TRAFFIC
	EXISTING HYDRO
	EXISTING STREETLIGHT
	PHASE LINES

NOTES:

1. FINAL SERVICE LATERAL SIZE, LOCATION AND ELEVATION TO BE CONFIRMED BY MECHANICAL CONSULTANT.
2. CONTRACTOR TO LOCATE EXISTING SERVICES AND ANY CONFLICTS WITH EXISTING SERVING MUST BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION.
3. SITE PLAN PREPARED BY DIAMOND SCHMITT ARCHITECT INC.
DATED: MAY 26, 2025
4. 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.
5. ASBUILT INFORMATION FROM J.G. KNOWLTON LTD. CONSULTING ENGINEERS, REGINA ST & WESTERN PARKWAY,
4372PLAN DWG# SP-2, DATED SEPT, 1981

5	ISSUED FOR CITY REVIEW	JP	PM	25.05.30
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.D
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	Dwn.	Chkd.	Dsgn.	YY.MM.D

Permit-Seal

Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

2475 REGINA STREET

Ottawa, ON

Title

SITE SERVICING PLAN ULTIMATE (PHASE 1 & 2)

Project No. 160401689

Scale 1:300










0 3 9 15m

SSP-2 4 of 12 5

300mm Ø WATERMAIN A			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	62.42	60.020	200x200 TEE CONNECTION TO EA. 200mm Ø D.I. 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	59.990	TOP OF WATERMAIN
0+045.2	62.13	59.780	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	60.400	TOP OF WATERMAIN
0+089.6	63.98	61.580	45° HORIZONTAL BEND
0+100	65.00	62.400	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

200mmØ WATERMAIN B			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
+0+00.0	65.53	63.130	45° HORIZONTAL BEND
+0+06.1	65.56	63.160	22.5° HORIZONTAL BEND
+0+08.1	65.53	63.120	200mm VALVE AND BOX
+0+15.4	65.53	63.090	200mm x 200mm TEE
+0+20	65.48	63.00	TOP OF PIPE
+0+40	65.38	62.980	TOP OF PIPE
+0+58.8	65.38	62.980	200mm VALVE AND BOX
+0+61.7	65.40	63.000	45° HORIZONTAL BEND
+0+65.3	65.40	63.000	150mm HYDRANT TEE
+0+67.1	65.35	62.950	200mmØ PLUG

200mmØ WATERMAIN C			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
+0000.0	65.44	63.040	200mm x 200mm TEE
+0002.0	65.44	63.040	45° HORIZONTAL BEND
+0003.6	65.44	63.020	200mm VALVE AND BOX
+0020	65.18	62.780	TOP OF PIPE
+0035.6	65.47	63.070	22.5° HORIZONTAL BEND
+0040	65.45	63.050	TOP OF PIPE
+0047.8	65.36	62.960	45° HORIZONTAL BEND
+0049.8	65.36	62.960	45° HORIZONTAL BEND
+0053.3	65.30	62.900	200mm VALVE AND BOX
+0056	65.26	62.860	200mmØ PLUG

SEWER AND WATERMAIN CROSSING TABLE							
CROSSING	STM INV"	STM OBV"	SAN INV"	SAN OBV"	WTR TOP	WTR BTM	NOTES
	62.72	63.02	61.73	62.03	63.52	63.32	ASSUME 0.50 HW DEFLECTION OVER SPOON
			61.93	62.23	63.070	62.87	
	63.66	64.11	61.97	62.27	63.970	62.77	REGULATE TOP OF WATERMAIN PER W02
	63.80	64.25	62.25	62.55	62.770	62.57	
			62.22	62.52	62.990	62.79	REGULATE TOP OF WATERMAIN PER W02
					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

ROOF DRAIN SCHEDULE				
TRIBUTARY AREA ID	# OF DRAINS	DRAIN TYPE	100YR RELEASE RATE (L/s)	100YR PONDING VOLUME (m³)
ROOF 18	3	Watts Accuflow, Fully closed	1.9	7.2
ROOF 28	3	Watts Accuflow, Fully closed	1.9	2.5
ROOF 38	3	Watts Accuflow 25% Open	2.7	9.4

ICD TABLE					
CATCHBASIN ID	INVERT	ICD TYPE	ICD SIZE	100YR HEAD (m)	100YR FLOW (l/s)
I102A	63.95	IPX Tempst HF	108mm	1.16	22.9
I103A	64.03	IPX Tempst HF	83mm	1.13	13.4
CB-1	63.72	IPX Tempst HF	95mm	1.54	22.4
TANK OUTLET	63.50	Circular Orifice Plate	300mm	0.48	85.5

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ORIGINAL SHEET - ARCH 0

007-12-24-0161

DWG# 19267