

1. ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
2. ALL WORK AND MATERIALS TO CONFORM WITH CURRENT MINISTRY OF THE ENVIRONMENT & ENERGY OF ONTARIO, CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. LOCAL UTILITY STANDARDS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
3. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND COORDINATION WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
4. THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY EACH UTILITY PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONVEY UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE.
5. ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND TO BEAR THE COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
7. CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAR FROM MUD OR DEBRIS.
8. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION. THE ENGINEER AND THE CITY, PAYMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPSD 310.
9. BENCHMARKS: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARK(S) HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON DRAWING GP-1.
10. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER 1 (ONE) SET OF AS CONSTRUCTED SITE SERVICING, GRADING, AND SITE ELECTRICAL DWGS.
11. EXISTING STORM AND SANITARY SERVICE (LATERALS) TO BE ABANDONED PER S11.4. EXISTING WATER SERVICE TO BE BLANKED AT THE MAIN .

1. ALL WATERMAINS, WATER SERVICES, CONNECTIONS AND APPURTENANCES AS PER CITY OF OTTAWA STANDARDS. THE CONTRACTOR SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION AND DISINFECTION BY CITY OF OTTAWA PERSONNEL. WATERMAIN TRENCH TO BE IN ACCORDANCE WITH CITY OF OTTAWA W17.
2. WATER SERVICES ARE TO BE PE PIPE AS PER CITY OF OTTAWA STANDARD W26 (UNLESS OTHERWISE NOTED). WATER SERVICE TO EXTEND TO 1.0m FROM BUILDING FACE, STAND POST TO BE INSTALLED AT PROPERTY LINE.
3. ALL WATERMAIN BENDS, JOINTS, TEES AND PLUGS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
4. ALL WATERMAIN SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES UNLESS OTHERWISE DIRECTED. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED.
5. ALL WATERMAINS SHALL BE BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES. ALL CHLORINATED WATER TO BE DISCHARGED AND PRETREATED TO ACCEPTABLE LEVELS PRIOR TO DISCHARGE. ALL DISCHARGED WATER MUST BE MONITORED AND TREATED SO AS NOT TO ADVERSELY EFFECT THE ENVIRONMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MUNICIPAL AND/OR PROVINCIAL REQUIREMENTS ARE FOLLOWED.
6. CATHODIC PROTECTION PER CITY OF OTTAWA W40 AND W42.
7. EXISTING RESIDENTIAL WATER SERVICES TO BE BLANKET AT THE MAIN BY CITY FORCES.
8. VALVES TO BE OPERATED BY CITY OF OTTAWA STAFF ONLY.
9. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY OF OTTAWA. COA FORCES TO COMPLETE WATERMAIN CONNECTIONS, EXCAVATION, BACKFILLING AND RENAISSANCE TO BE COMPLETED BY CONTRACTOR.
10. WATERMAIN SHALL BE A MINIMUM OF 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED, WHERE LESS THAN 2.4m COVER, THERMAL INSULATION IS TO BE PROVIDED AS PER CITY STD. DWGS. W 21 (DITCHED AREAS), W22 (SHALLOW TRENCHES), W23 (AT OPEN STRUCTURES) AND CITY OF OTTAWA DESIGN GUIDELINES - WATER DISTRIBUTION SECTION 4.3.13.
11. A MINIMUM OF 0.5 VERTICAL CLEARANCE IS REQUIRED BETWEEN WATERMAIN(S) AND ALL UTILITIES AND SEWERS. IN LOCATIONS WHERE THIS IS NOT ACHIEVABLE, THE CONTRACTOR MUST FOLLOW PROCEDURE P-6-1- SEC 5.2 OF THE ONTARIO DRINKING WATER RESOURCE ACT.

1. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH CURRENT CITY OF OTTAWA (COA) STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS (OPSS & OPSD); ROADS AND PUBLIC WORKS.
2. SEWER TRENCH SHALL CONSIST OF CLASS B¹ BEDDING PER CITY OF OTTAWA STANDARDS S6 AND S7. COMPACTION SHALL BE A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
3. FOR CONSTRUCTION DETAILS NOT SHOWN ON PLANS, REFERENCE SHALL BE MADE TO THE ONTARIO PROVINCIAL STANDARDS DRAWINGS AND CITY OF OTTAWA STANDARDS.
4. SERVICES TO BUILDINGS TO BE TERMINATED 1.0m FROM THE FACE OF BUILDING UNLESS OTHERWISE NOTED.
5. LASER ALIGNMENT CONTROL TO BE UTILIZED ON ALL SEWER INSTALLATIONS.
6. PROTECT PROJECTION PER CITY OF OTTAWA STANDARD DRAWING W22 WHERE THERE IS LESS THAN 2.0m OF COVER ABOVE THE SEWER SERVICES.
7. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407. A COPY OF THE INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
8. COUPINGS AS PER S18-1-4 TO BE USED TO INSTALL PVC SDR-35 PIPE WHERE CONNECTING TO THE EXISTING CLAY SEWER. PROPOSED SERVICES TO CONNECT TO THE MAIN WITH PRE-FABRICATED TEES AS PER CITY STD. S11.1.

SCHEDULE OF ROOF RELEASE RATES				
DRAINAGE AREA ID	DRAIN TYPE	# DRAINS	100 YEAR HEAD (m)	100 YEAR RELEASE RATE (L/s)
BLDG	WATTS R1100 ACCUTROL (CLOSED)	2	0.146	0.63

SEWER AND WATERMAIN CROSSING TABLE							
CROSSING	STM INV	STM OBV	COMB INV	COMB OBV	WTR TOP	WTR BTM	NOTES
1			67.03	67.26	67.81	67.76	DEFLECT WATER SERVICE OVER EX. COMB. SEWER AS PER W25.2

CONTRACTOR TO VERIFY EXISTING SEWER ELEVATIONS PRIOR TO INSTALLATION OF SERVICES AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION.



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The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

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	PROPOSED WATERMAIN
	PROPOSED VALVE AND VALVE BOX
	PROPOSED WATER METER
	PROPOSED REMOTE WATER METER
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED CATCHBASIN
	PROPOSED LANDSCAPE CATCHBASIN
	EXISTING WATERMAIN
	EXISTING COMBINED SEWER
	EXISTING OVERHEAD WIRE
	EXISTING GAS MAIN
	EXISTING BELL
	PROPOSED DOOR LOCATION
	PROPOSED RETAINING WALL

1. FINAL SERVICE LATERAL SIZES TO BE CONFIRMED BY MECHANICAL CONSULTANT
2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS
3. SITE PLAN PREPARED BY SUSAN D. SMITH ARCHITECT, REV 0 DATED NOVEMBER 7 2019
4. TOPOGRAPHIC SURVEY SUPPLIED BY ANNIS, O'SULLIVAN, VOLLEBEK/LT. No. 19862-19. PART OF LOT 24 IN BLOCK 5 NORTH SIDE OF HOLMWOOD AVENUE, REGESTED PLAN 26086 CITY OF OTTAWA, DATED AUGUST 13, 2019
5. GEOTECHNICAL REPORT PG505-LE1.01 DATED OCTOBER 7, 2019. PREPARED BY PATERSON GROUP LTD.

1	ISSUED FOR REVIEW	WAJ	KJK		19.11.29
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Client/Project

ART CONSTRUCTION
2472 Wyndale Crescent

3 STOREY RESIDENTIAL APARTMENT
27 MONK STREET
OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.

160401526

Drawing No.

Sheet

Revision

SSP-1

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