

Legend

	PROPOSED WATERMAIN
	PROPOSED VALVE AND VALVE BOX
	PROPOSED WATER METER
	PROPOSED REMOTE WATER METER
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED CATCHBASIN
	EXISTING WATERMAIN
	EXISTING VALVE CHAMBER
	EXISTING FIRE HYDRANT
	EXISTING COMBINED SEWER
	EXISTING CATCHBASIN
	EXISTING OVERHEAD WIRE
	EXISTING GAS UNDERGROUND
	EXISTING BELL UNDERGROUND
	EXISTING ROGERS UNDERGROUND

Notes

- EXISTING STORM AND SANITARY SERVICES TO BE ABANDONED AS PER S11.4 IF NOT PART OF DEMOLITION CONTRACT.
- EXISTING WATER SERVICES TO BE BLANKED AT MAIN IF NOT PART OF DEMOLITION CONTRACT.
- SERVICE CONNECTION TO EXISTING WATERMAIN TO BE COMPLETED BY CITY FORCES. EXCAVATION, BACKFILL AND REINSTATEMENT BY CONTRACTOR.
- TOPOGRAPHICAL PLAN OF SURVEY, LOT 9 AND 11, REGISTERED PLAN 47389, CITY OF OTTAWA AND BENCHMARK COMPLETED BY ANNE, O'SULLIVAN, VOLLEBEK LTD. DATED OCTOBER 29, 2018
- SITE PLAN PREPARED BY SUSAN D. SMITH ARCHITECT DATED FEBRUARY 11, 2019.
- GEOTECHNICAL REPORT PREPARED BY GEMTEC DATED JANUARY 23, 2019.

1	ISSUED FOR REVIEW	WAJ	KJK	19.02.11
Revision		By	Appd.	YY.MM.DD

File Name:	160401462-DB	JP	DT	MJS	19.01.15
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

ART CONSTRUCTION  
2472 Wyndale Crescent

3 STOREY APARTMENT  
13 MONK STREET  
OTTAWA, ONTARIO

Title

SITE SERVICING PLAN

Project No.  
160401462

Drawing No.

SSP-1

Scale  
1:100

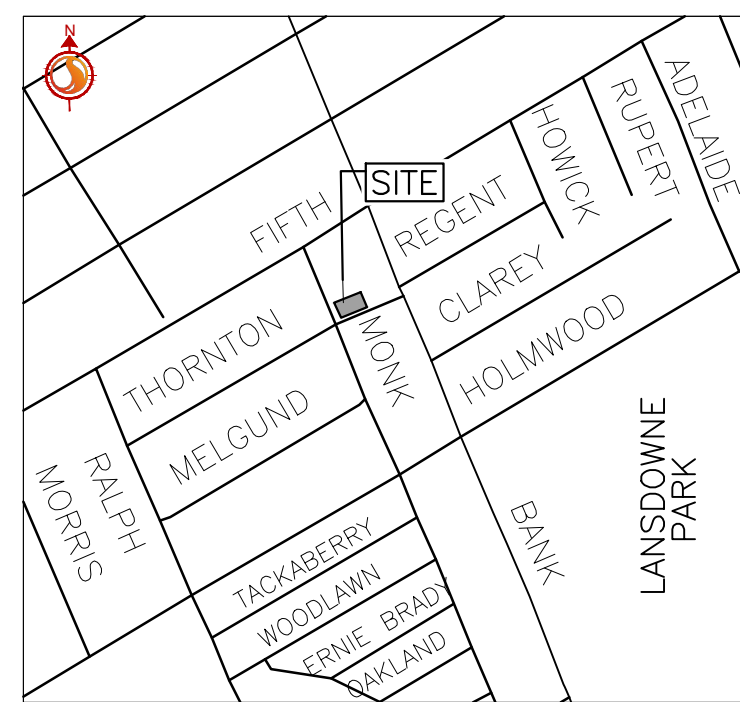
Sheet

2 of 5

Revision

1

DWG# XXXXX



GENERAL NOTES

- ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- 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.
- 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.
- 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 CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE.
- ALL CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE GEOTECHNICAL REPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND TO BEAR THE COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
- ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION THE ENGINEER AND THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPSD 510.
- 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.
- THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER 1 (ONE) SET OF AS CONSTRUCTED SITE SERVICING, GRADING, AND SITE ELECTRICAL DWGS.
- EXISTING STORM AND SANITARY SERVICE LATERALS TO BE ABANDONED PER S11.4. EXISTING WATER SERVICE TO BE BLANKED AT THE MAIN.

WATERMAINS

- 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 DEMONSTRATION BY CITY OF OTTAWA PERSONNEL. WATERMAIN TRENCH TO BE IN ACCORDANCE WITH CITY OF OTTAWA W17.
- WATER SERVICES ARE TO BE TYPE K SOFT COPPER 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.
- ALL WATERMAINS SHALL HAVE MIN. COVER OF 2.4m. WATERMAINS ARE TO BE INSTALLED TO THE ELEVATIONS SHOWN ON THE APPROVED SITE SERVICING DRAWING. WHERE SPECIFIC WATERMAIN ELEVATIONS ARE NOT SHOWN ON SERVICING DRAWING, A MINIMUM COVER OF 2.4m FROM PROPOSED GRADES, AS SHOWN ON THE GRADING PLAN, MUST BE MAINTAINED AT ALL TIMES. IN PREGRADE AREAS COVER TO BE FROM PREGRADE ELEVATIONS.
- ALL WATERMAIN BENDS, JOINTS, TEES AND PLUGS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
- WATERMAINS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES AND THE APPLICABLE BUILDING AND PLUMBING CODE. WHERE HORIZONTAL SEPARATIONS CANNOT BE ACHIEVED, APPROVAL FROM THE ENGINEER MUST BE OBTAINED AND A MINIMUM 500mm VERTICAL SEPARATION MUST BE MAINTAINED.
- ALL WATERMAINS 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.
- ALL WATERMAINS SHALL BE BACTERIOLOGICAL TESTED IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO GUIDELINES. ALL CHLORINATED WATER TO BE DISCHARGED AND PRE-TREATED TO ACCEPTABLE LEVELS PRIOR TO DISCHARGE. ALL DISCHARGED WATER MUST BE CONTROLLED 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.
- CATHODIC PROTECTION PER CITY OF OTTAWA W40 AND W42.
- EXISTING RESIDENTIAL WATER SERVICES TO BE BLANKED AT THE MAIN BY CITY FORCES.

STORM AND SANITARY SEWERS

- SEWER TRENCH SHALL CONSIST OF CLASS 'B' BEDDING PER CITY OF OTTAWA STANDARDS S6 AND S7. COMPACTION SHALL BE A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
- FOR CONSTRUCTION DETAILS NOT SHOWN ON PLANS, REFERENCE SHALL BE MADE TO THE ONTARIO PROVINCIAL STANDARDS DRAWINGS AND CITY OF OTTAWA STANDARDS.
- SERVICES TO BUILDINGS TO BE TERMINATED 1.0m FROM THE FACE OF BUILDING UNLESS OTHERWISE NOTED.
- LASER ALIGNMENT CONTROL TO BE UTILIZED ON ALL SEWER INSTALLATIONS.
- FROST PROTECTION PER CITY OF OTTAWA STANDARD DRAWING W22 WHERE THERE IS LESS THAN 1.5m OF COVER ABOVE THE SEWER SERVICES.
- CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSD 410 AND OPSD 407. A COPY OF THE INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.
- STORM AND SANITARY SERVICE CONNECTION AS PER CITY STD S11.

SEWER AND WATERMAIN CROSSING TABLE					
CROSSING	COMB. INV.	COMB. OSV	WTR TOP	WTR BTM	NOTES
1	65.79	66.09	68.09	68.04	

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

SCHEDULE OF ROOF RELEASE RATES				
BUILDING	DRAIN TYPE	# DRANS	100YR Head (m)	100YR RELEASE RATE (L/s)
BLDG	WATTS ACDFLOW	1	0.15	0.93

