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	N	I.JIII DLLOW	THE SUNNOUNDIN	IG GNADL		<u>stu</u> _ <u>300mmø</u> stu	EXISTING MAIN STORM SEWER	
						<u>wm</u> wmwm	EXISTING MAIN WATERMAIN	
		THE CONTRA	ACTOR SHALL IMPL	EMENI E	BESI	c c	EXISTING MAIN GAS LINE	
			I PRACTICES, TO	PROVIDE	FUR		EXISTING CENTRE OF ROAD	
		THE RECEIVI	UF THE AKEA DR No wateronirse		SISIEM AND CONSTRUCTION		EXISTING SANITARY LATERAL	
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		THE CONTR	ACTOR ACKNOWLE	DGES TH	HAT FAILURF TO)	EXISTING STORM LATERAL	
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La z		control me	EASURES MAY BE	SUBJECT	TO PENALTIES	\sim	EXISTING OVERHEAD HYDRO	-
Ed. El		IMPOSED BY	ANY APPLICABLE	REGULA	TORY AGENCY.		EXISTING UNDERGROUND HYDR(0
GARAGE							BUILDING FOUNDATION	
MOLISHED I MOLIS							BUILDING ROOF	
							PROPERTY LINE	
, ,							SETBACK LINE	
		Area under	<u>م</u>	nd			RIGHT OF WAY	
STING 1ST FLOOR / ORIGINAL ADDITION /		construction		un	111/14		EXISTING WOOD FENCE	
BE DEMOLISHED				A D			EXISTING CHAIN LINK FENCE	
			Barrier		White White White White		EXISTING SIDEWALK	
		End run	Main run	ection			EXISTING DEPRESSED CURB	
K			wing wing wing wing wing wing wing	1000000 100000 10000000000000000000000	Watercourse while while		BENCHMARK RIM SANITARY MAN	ΝНΟ
LO 4		and the start of t	PFRSPFCTIVE VIEW		Study (EXISTING SANITARY MANHOLE	110
				\searrow			EXISTING STORM MANHOLE	
Z			Direction of flow	morium			EXISTING CATCHBASIN	
		P _{TH}		³⁵¹	\checkmark	3	EXISTING VALVE AND VALVE CH	IAME
						\otimes	EXISTING VALVE AND VALVE BO)Х
77		2.3m max, Typ	· · · · • · · · ·		-		EXISTING FIRE HYDRANT	
-			— Main run 40m max — — — — — — — — — — — — — — — — — — —			□GM LIP	EXISTING GAS METER	
			PLAN				EXISTING HYDRO POLE	
			Stake				EXISTING CORNER POST	
		Geote	extile -			× 30.14	EXISTING GRADE ELEVATION	
\Box_{-}		.⊑ ≅ 300mm min - ⊂ of geotextile	¬ ┃				EXISTING AIR CONDITIONNER	
		Direction				s <u>135mmø</u> s	PROPOSED SANITARY LATERAL	SEW
STOREY		of flow backfilled a compacted -	nd Original ground				PROPOSED STORM LATERAL SE	WER
BUILDING		200		~		w w w	PROPOSED WATERMAIN LATERAL	-
No. 75		1 200 -		JOIN	NT DETAIL		PROPOSED SILT FENCING	
NN NOTED)		200 -					PROPOSED SEVERANCE	
2 - 511 - 71 + 10		SECTIO)N A-A				PROPOSED SWALE	
		NOTE: A All dimensions are in mil	llimetres unless otherwise sho	wn.			PROPOSED DEPRESSED CURB	
IS ENCLOSURE		ONTARIO PROVINCIAL	STANDARD DRAWING	Nov 2015	5 Rev 2	SANMH	PROPOSED SANITARY MANHOLE	
		LIGHT	-DUTY			С STMMH	PROPOSED STORM MANHOLE	
		SILT FENC	E BARRIER			СВМН	PROPOSED CATCH BASIN	
3 CONCRETE CURB Be demolished					<u>D 219.110</u>	(RM)	PROPOSED WATER REMOTE MET	ſER
						M	PROPOSED WATER METER	
						\otimes	PROPOSED CURB STOP	
						FFL	FINISHED FLOOR LEVEL ELEVAT	ION
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547) N						U.S.F	UNDERSIDE OF THE FOUTING	
W						(F.D)	FLOOR DRAIN	
ABOVE GRADE						\triangleleft	BUILDING ENTRY	
	N						DOWNSPOUTS LOCATION W/ SPL	_ASF
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						(WP)	WATER POST	
						58.20	PROPOSED CRADING SLOPE DE	-T/WE
						2.00%	GRADING OVER 7% MUST BE T A MAXIMUM SLOPF OF 3H-1	ERR
						ψ ψ ψ ψ	GRASS	
£9.63						ψ ψ ψ ψ		
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GEND	GENERAL NOTES FOR SERVICING	$\sim$	1
EXISTING MAIN SANITARY SEWER	1. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN		
EXISTING MAIN STORM SEWER	ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) TIMESS	WI Fline The address	
EXISTING MAIN WATERMAIN	OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT. 2. THE POSITION OF EXISTING POLE LINES. CONDUITS. WATERMAINS SEWERS AND OTHER	CONSULTING ENGINEERS	
EXISTING MAIN GAS LINE	UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH		
EXISTING SANITARY LATERAL	SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF	ZU4 BUREALIS UR.CIVILOTTAWA, ON K1K 4V1STRUCTURE	
EXISTING WATER LATERAL	CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.	TEL 613-762-7800ELECTRICALWISSAMELIAS@GMAIL.COMMECHANICAL	F
EXISTING STORM LATERAL	3. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES	CONSULTANT:	1
EXISTING BURIED TELEPHONE	LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO HYDRO, BELL, CABLE TV, AND CONSUMERS GAS LINES.		
EXISTING OVERHEAD HYDRO	T. ALL INLIVENTING AND EACAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.		
EXISTING UNDERGROUND HYDRO	LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. AU. INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.		
BUILDING FOUNDATION	6. TOPOGRAPHIC SURVEY COMPLETED ON 23rd DAY OF JULY 2020 AND PROVIDED BY J.D. BARNES LIMITED. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER		<b>∢</b> ₽
BUILDING ROOF	OF ANY DISCREPANCIES. 7. THE LOCATION OF UNDERGROUND SERVICES ARE BASED ON THE SURVEY PROVIDED		
SETBACK LINE	WITH THE INFORMATION FROM THE CITY OF OTTAWA DRAWINGS "STEWART STREET – STA. 0+220 TO STA. 0+350", DATED AUGUST 30TH, 1999. HOWEVER, CONTRACTOR MUST ENSURE THAT THIS INFORMATION IS VERIFIED DEUR TO CONSTRUCTION AND NOTEY. FOR INFORMATION		
RIGHT OF WAY	IMAL THIS INFORMATION IS VERIFIED PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.	SEAL -	-
EXISTING WOOD FENCE	8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.		
EXISTING CHAIN LINK FENCE	9. JOB BENCH MARK AS INDICATED ON THE DRAWINGS	ANDFESSION	
EXISTING SIDEWALK EXISTING DEPRESSED CURB	10.ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.	A BANK	
EXISTING CONCRETE CURB	11. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND	Wielias gh-Hage Mit	
BENCHMARK RIM SANITARY MANHOLE	STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMIUM		
EXISTING SANITARY MANHOLE	12. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKEUL AND COMPACTION	The second second	E
EXISTING STORM MANHOLE	13. ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL BE TO OPSS STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED CONSTRUCTION TO OPSS	WOE OF ONT	
EXISTING VALVE AND VALVE CHAMBER	206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010. 14.ABUTTING PROPERTY GRADES TO BE MATCHED.		4
EXISTING VALVE AND VALVE BOX	15 CONTRACTOR SHALL ORTAIN AND PAY FOR ALL NECESSARY DEDWITS AND ADDROVALS FOOL THE	CLIENT:	
EXISTING FIRE HYDRANT	MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION. 16 MINIMIZE DISTURBANCE TO EXISTING VEGETATION DUDING THE EXECUTION OF ALL WORKS		
EXISTING GAS METER	17.REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE		
EXISTING CORNER POST	PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. 18.AT PROPOSED UTILITIES CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER SANITARY SEWER	OTTAWA ONTARIO	
EXISTING GRADE ELEVATION	WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF' EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER	PROJECT:	1
EXISTING AIR CONDITIONNER	BEFORE COMMENCING WORK. 19.SERVICE TRENCHES ON MUNICIPAL RIGHT OF WAY TO BE REINSTATED AS PER CITY OF		
PROPOSED SANITARY LATERAL SEWER	UTIAWA DETAIL R10. 20. PRIOR TO CONSTRUCTION, A GEOTECHNICAL ENGINEER REGISTERED IN THE PROVINCE OF		
PROPOSED STORM LATERAL SEWER	UNTARIU IS TU INSPECT ALL SUB-SURFACES FOR FOOTINGS, SERVICES AND PAVEMENT STRUCTURES.	PRUPUSED ADDITION	
PROPOSED WATERMAIN LATERAL	FOR ANT SOILS RELATED INFORMATION, REFER TO THE GEOTECHNICAL INVESTIGATION REPORT BY EXP Services	65 SIEWARI SIREEI	
PROPOSED DEMULITION PROPOSED SILT FENCING	24. a) PAVEMENT STRUCTURE SHALL CONSIST OF FOR CAR ONLY PARKING AREAS: 65 mm ASPHALTIC CONCRETE (PG 58-34) 92% to 97 % MPD	UTTAWA, ON K1N 6H9	
PROPOSED SEVERANCE	150 mm GRANULAR A BASE (OPSS 1010) (CRUSHED LIMESTONE), 100% SPMDD 300 mm GRANULAR B TYPE II SUB-BASE (OPSS 1010). 100% SPMDD		
PROPOSED SWALE	SUBGRADE- APPROVED EXISTING FILL, SUBGRADE AND IMPORTED GRANULAR FILL (COMPACTED TO 95% SPMDD)		
PROPOSED DEPRESSED CURB		NET MLAIN:	
PROPOSED SANITARY MANHOLE	23. CUNTRACTOR TO REINSTATE PAVER STONES IN CITY ROW.		
PROPOSED CATCH BASIN	NUTES WATERMAIN		
PROPOSED WATER REMOTE METER	24. ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT		
PROPOSED WATER METER	STANDARDS AND SPECIFICATIONS.		
PROPOSED CURB STOP	25. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC)		<del>⊲ C</del>
FINISHED FLOOR LEVEL ELEVATION	TO SOMM IS COPPER TYPE 'K'.		
BASEMENT FLOOR LEVEL ELEVATION	26. ALL WATER MAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE FROM UTILITIES OBVERT		
FLOOR DRAIN	SHALL BE MAINTAINED; WHERE WATERMAINS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED. THE WATERMAIN SHALL BE INSTALLED AS BED CITY OF OTTAWA STANDARD WOSE AND WOSE AND WOSE AND	DISCLAIMER: COPYRIGHT:	1
BUILDING ENTRY	MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTIAWA STANDARD W22.	THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY W.ELIAS ENGINEERING THF	
	27. WATER MAIN BEDDING TO BE AS PER CITY OF OTTAWA STANDARD W17.	CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK.	
DOWNSPOUTS LOCATION W/ SPLASH PAD	28. VALVE BOX TO BE AS PER CITY OF OTIAWA STANDARD W24.	AND DIVINING IS NOT TO BE SURLED.	
WATER POST	29. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER IN		C
PROPOSED ELEVATION	ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25.3 &: W25.4.		
GRADING OVER 7% MUST BE TERRACED TO A MAXIMUM SLOPE OF 3H:1	30. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 &: W42.	ISSUED FOR - REVISION:	1
GRASS	31. FIRE HYDRANTS TO BE A5 PER CITY OF OTTAWA STANDARD W19. (NOT REQUIRED)		
	32. IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.		
EAISTING INTERLUUK			1
LIGHT DUTY (PARKING)	"TYPICAL WATER SERVICE LINE AS PER W26(FOR 19MM & 25MM DIA. WATER SERVICES). AND TO BE INSTALLED AT 1 M FROM THE FOUNDATION WALLS		-
oumm hló 150mm GRANULAR 'A' 300mm GRANULAR 'P' TYDE II	NOTES: SANITARY SEWER AND MANHOLES		1
sub grade in situ soil,compacted fill or opss granular B placed over in situ	34. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCE AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS		-
soil or compacted materials	36. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.		1
FROFUSED CUNCKETE	37. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSS 407, AND 410.		1
PROPOSED STREET ASPHALT OVERLAY	38. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO	4 04/08/2021 1ST CITY SUBMISSION	-
ROOF DRAIN RESTRICTOR TO 1/S	DE AS MER ULT OF ULTAWA STANDARD S25 AND 524. (NOT APPLICABLE)	2 01/22/2021 ISSUED FOR SITE PLAN SUBMISSION	
5 YEAR FLOOD PONDING LIMITS	WALL NEAR SERVICES ENTRY AS PER CITY OF OTTAWA STD S14.1 OR S14.2	1 ISSUED FOR REVIEW	R
10 YEAR FLOOD PONDING LIMITS	40. STORM BACKWATER VALVES TO BE PROVIDED FOR EACH BUILDING CLOSE TO THE FOUNDATION WALL NEAR SERVICES ENTRY AS PER CITY OF OTTAWA STD S14	IS RE DATE DESCRIPTION	
	NOTES: STORM SEWERS AND STRUCTURES	2020–120 DATE: 2020–12-09	
level area PROPOSED SCUPPERS	41. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.	ORIGINAL SCALE:	1
WATER SAMPLING CHAMBER	NOTES: EROSION AND SEDIMENT CONTROL	1:100 DESIGNED BY:	
SUMP PUMP FOR FOUNDATION DRAINAGE	42. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOW EDGES THAT FAILURE TO INPLEMENT EDGEON AND SEDUCTION ACTIVITIES. THE	W.E	
EXISTING DECIDUOUS TREE	MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.	DRAWN BY:	
EXISTING TREES TO BE REMOVED		CHECKED BY:	
PROPOSED TREE		W.E 1"	1
PROPOSED SHRUBS		DISCIPLINE:	
PROPOSED ANNUAL GRASSES STORM DRAINAGE AREA NUMBER		TITLE:	1
STORM DRAINAGE AREA IN HECTARES RUN-OFF COEFFICIENT			
		EROSION	
			А
		SHEET NUMBER:	1
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		DATE OF: 2020-12-09	
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