

## LEGEND EXISTING SANITARY SEWER \_\_\_\_\_ EXISTING STORM SEWER EXISTING WATERMAIN • EX.SANMH EXISTING SANITARY MANHOLE O EX.STMMH EXISTING STORM MANHOLE EXISTING CATCHBASIN EXISTING VALVE AND VALVE CHAMBER EXISTING VALVE AND VALVE BOX EXISTING FIRE HYDRANT EXISTING OVERHEAD BELL EXISTING OVERHEAD HYDRO EXISTING UNDERGROUND HYDRO EXISTING GAS MAIN 135mmø SAN - PROPOSED SANITARY SEWER 100mmø STM PROPOSED STORM SEWER \_\_\_\_\_25mmø\_WM\_\_\_\_\_\_PROPOSED\_WATERMAIN

4

PROPOSED SANITARY MANHOLE PROPOSED CATCHBASIN MANHOLE LANDSCAPE MANHOLE PROPOSED CATCHBASIN PROPOSED VALVE AND VALVE BOX PROPOSED FIRE HYDRANT PROPOSED WATER REMOTE METER PROPOSED WATER METER PROPOSED CURB STOP FINISHED FLOOR LEVEL ELEVATION BASEMENT FLOOR LEVEL ELEVATION UNDERSIDE OF THE FOOTING

## FLOOR DRAIN BUILDING ENTRY DOWNSPOUTS LOCATION W/ SPLASH PA WATERPOST

GRASS AREA GREEN PAVERS  $\langle XX \rangle$ 

INTERLOCK

58.20 × 58.14

PROPOSED GRADING SLOPE BETWEEN2 GRADING OVER 7% MUST BE TERRACEI A MAXIMUM SLOPE OF 3H:1V

PROPOSED ELEVATION

EXISTING ELEVATION

STREET ASPHALT OVERLAY

CONCRETE WALK

BOARD FENCE

PROPOSED SILT FENCE

ROOF DRAIN RESTRICTOR TO L/S 5 YEAR FLOOD 10 YEAR FLOOR

LEVEL AREA

SCUPPER

WATER SAMPLING CHAMBER

SUMP PUMP FOR FOUNDATION DRAINAGE WATER POST

------- EXISTING CEDAR FENCE TO REMAIN

\_\_\_\_\_ NEW GLASS RAILING

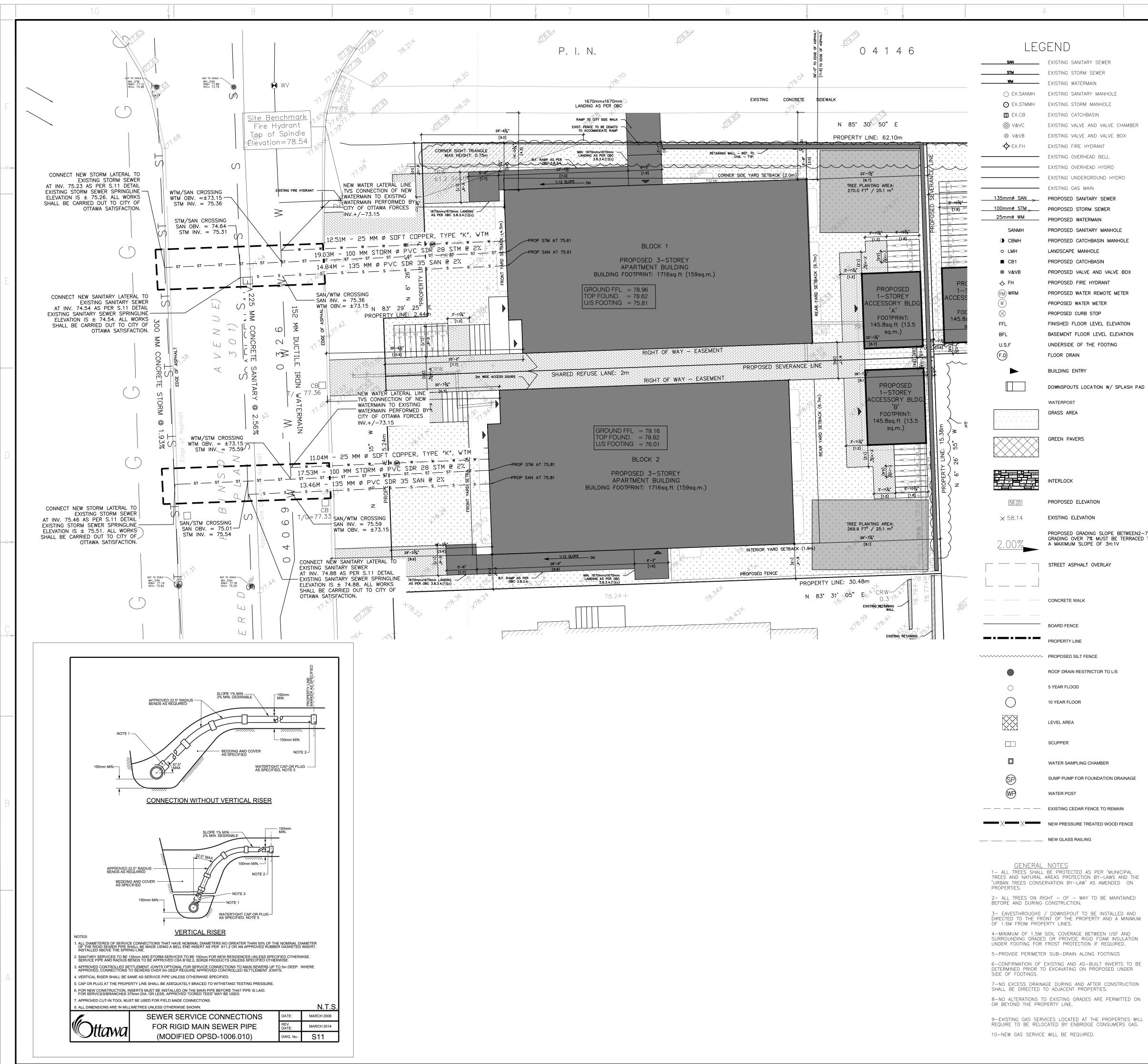
PROVIDE FROST PROTECTION F 1.5m BELOW THE SURROUNDIN

THE CONTRACTOR SHALL IMPLE MANAGEMENT PRACTICES, TO PROTECTION OF THE AREA DR. THE RECEIVING WATERCOURSE, ACTIVITIES. THE CONTRACTOR ACKNOWLE IMPLEMENT APPROPRIATE EROS

CONTROL MEASURES MAY BE IMPOSED BY ANY APPLICABLE

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	ACCORDANCE WITH THE STANDARD SPECIFICATIONS SPECIFICATION (OPSS) OTHERWISE SPECIFIED, 2. THE POSITION OF EXISTING UNDERGROUND AND ABOVE SHOWN ON THE CONTRACT	LATEST STANDARDS A AND DRAWINGS, ONTARI AND ONTARIO PROVINC TO THE SATISFACTION POLE LINES. CONDUITS GROUND UTILITIES, STRU DRAWING, AND WHERE S	HODS AND INSTALLATIONS AND REGULATIONS OF THE O PROVINCIAL SPECIFICATION S IAL STANDARD DRAWINGS (C OF THE CITY AND THE WATERMAINS SEWERS AND CTURES AND APPURTENANCES SHOWN, THE ACCURACY OF THE PRIOR TO CONSTRUCTION,	CITY OF OTTAWA TANDARD PSD), UNLESS CONSULTANT. OTHER IS NOT NECESSARILY E POSITION OF SUCH		El	ias Engine & Associa			
	SHALL SATISFY HIMSE AND STRUCTURES, AND SH CONSTRUCTION. ANY RELO SUBJECT LANDS IS TO BE 3. THE CONTRACTOR MUST DAYS PRIOR TO START	LF OF THE EXAC ALL ASSUME ALL LIABILI OCATION OF EXISTING UTI UNDERTAKEN AT CONTR/ NOTIFY ALL EXISTING OF CONSTRUCTION AND	T LOCATION OF ALL TY FOR DAMAGE TO THEM DUR LITIES REQUIRED BY THE DEVEN ACTOR'S EXPENSE. UTILITY COMPANY OFFICIALS HAVE ALL EXISTING UTILITIE	SUCH UTILITIES ING THE COURSE OF LOPMENT OF FIVE (5) BUSINESS ES AND SERVICES	OTTAV	BOREALIS VA, DN K 13-762-7 MELIAS@G	1 K 4V1		CIVIL Structure electrical 1echanical	F
	BUT NOT LIMITED TO 4. ALL TRENCHING AND EXCA OCCUPATIONAL HEALTH AN 5. REFER TO ARCHITECTS PLA LANDSCAPE PLAN FOR LAN SHALL BE CONFIRMED PRIC 6. TOPOGRAPHIC SURVEY CON & DENNIS SURVEYING LTD. NOTIFY THE ENGINEER OF 7. THE LOCATION OF UND	HYDRO, BELL, CABLE VATIONS TO BE IN ACCO D SAFETY ACT AND REG INS FOR BUILDING DIMEN IDSCAPED DETAILS AND IR TO COMMENCEMENT O IPLETED ON 13TH DAY O CONTRACTOR TO VERIFY ANY DISCREPANCIES. ERGROUND SERVICES A	F MARCH 2024 AND PROVIDED ' IN THE FIELD PRIOR TO CONS RE BASED ON THE SI	LINES. ISIONS OF THE PROJECTS. . REFER TO . AU. INFORMATION B YFARLEY, SMITH STRUCTION AND URVEY PROVIDED	CONSULTANT:					₹₽
		E THAT THIS INFORMA ATELY OF ANY DISCRE			SEAL:					
		SHALL BE EVENLY	NGS GRADED WITHOUT PONDING VALE OR CATCH BASIN OUTLE		1	SPROFES	38IONALE			
	STRAIGHT LINE PRIOR T BE WITH STEP JOINTS 12. ALL DISTURBED AREAS OU ORIGINAL ELEVATIONS AND COMPLETED WITH THE GEO 13. ALL MATERIAL SUPPLIED /	O PLACING NEW PA OF 500mm WDTH JTSIDE PROPOSED GI CONDITIONS UNLESS OTH TECHNICAL REQUIREMENT AND PLACED FOR PARKIN AND SPECIFICATIONS UNLI IALS TO OPSS 1001,	MINIMIUM RADING LIMITS TO BE HERWISE SPECIFIED. ALL RESTO NTS FOR BACKFILL AND COMPA IG LOT AND ACCESS ROAD COI ESS OTHERWISE NOTED. CONST	ATEMENT SHALL RESTORED TO RATION SHALL BE ACTION. NSTRUCTION SHALL	H	W.Elias 1309 ANUA 30 MNCE (	RY 2 2025			E
	MUNICIPAL AUTHORITIES PF 16.MINIMIZE DISTURBANCE TO 17.REMOVE FROM SITE ALL E ENGINEER. EXCAVATE AND PROPOSED BUILDING, PARK	RIOR TO COMMENCING CO EXISTING VEGETATION D XCESS EXCAVATED MATE REMOVE ALL ORGANI ING AND ROADWAY LOCA	URING THE EXECUTION OF ALL RIAL UNLESS OTHERWISE DIREC C MATERIAL AND DEBRIS LOCA	Works. CTED FROM THE TED WITHIN THE	CLIENT:					
AD	EXISTING UTILITIES AND RE BEFORE COMMENCING WO 19.SERVICE TRENCHES ON OTIAWA DETAIL R10. 20. PRIOR TO CONSTRUC	PORT ANY DISCREPANCI RK. MUNICIPAL RIGHT OF CTION, A GEOTECHNICAL	IMINE THE PRECISE LOCATION ES OR CONFLICTS TO TH WAY TO BE REINSTATED ENGINEER REGISTERED IN OR FOOTINGS, SERVICES ANI	E ENGINEER AS PER CITY OF THE PROVINCE OF	OTTAWA	A			ONTARIO	
	STRUCTURES. FOR ANY SOILS RELATED IN BY EXP Services 24. a) PAVEMENT S 65 mm ASPHALTIC 150 mm GRANULAR 300 mm GRANULA SUBGRADE- APPROV	FORMATION, REFER TO TRUCTURE SHALL CON CONCRETE (PG 58–34), S A BASE (OPSS 1010) (CR R B TYPE II SUB–BASE	THE GEOTECHNICAL INVESTION	GATION REPORT NG AREAS:		2409	SED DEVE CARLSEN WA, ON	AVENI	JE	
	SPMDD) 25. CONTRACTOR TO RE NOTES WATERMAIN	NSTATE PAVER STONES	IN CITY ROW.		KEY PLAN:					D
	24. ALL WATERMAIN AND TESTING METHODS SHALL CONF STANDARDS AND SPECIFICATI	ORM TO THE CURRENT C								
2-7%, Ed to	25. ALL WATERMAIN 300m CLASS 150 DR 1B MEETING A TO 50MM IS COPPER TYPE 'K'.									- C
	26. ALL WATER MAIN TO E WHERE WATERMAINS CROSS OV SHALL BE MAINTAINED; WHERE CLEARANCE SHALL BE MAINTAIN WATERMAIN SHALL BE INSTALLE MINIMUM DEPTH CANNOT BE AC OTIAWA STANDARD W22.	ER OTHER UTILITIES, A M WATERMAINS CROSS UND NED. WHERE THE MINIMU D AS PER CITY OF OTTA	INIMUM 0.30m CLEARANCE FRO DER OTHER UTILITIES, A MINIMU M SEPARATION CANNOT BE AC WA STANDARDS W25 AND W25	DM UTILITIES OBVERT M 0.50m HIEVED. THE 5.2. WHERE 2.4m PER CITY OF	DISCLAIMER:		OPYRIGHT PROTECTED WHI			
	<ol> <li>WATER MAIN BEDDING TO</li> <li>VALVE BOX TO BE AS PI</li> <li>CONCRETE THRUST BLOCKS</li> </ol>	ER CITY OF OTIAWA STAN	IDARD W24.		REPRODUCED ( CONTRACTOR S ALL ERRORS A	OR REVISED WITHO SHALL CHECK AND	DUT WRITTEN PERMISSION E VERIFY ALL DIMENSIONS RIOR TO COMMENCING WORI	BY W.ELIAS ENGINE AND UTILITY LOCA	ERING . THE	
	BENDS, HYDRANTS, REDUCT ACCORDANCE WITH CITY OF OT 30. CATHODIC PROTECTION REC &: W42.	ERS, ENDS OF MA TAWA STANDARDS W25	NS AND CONNECTIONS 100n .3 &: W25.4.	nm AND LARGER, IN						C F
	31. FIRE HYDRANTS TO B 32. IF WATER MAIN MUST BE D DEFLECTION USED IS LESS THA	EFLECTED TO MEET ALIG	NMENT, ENSURE THAT THE AMO	ŗ	ISSUED FOR	- REVISION:				
	"TYPICAL WATER SERVICE LINE INSTALLED AT 1 M FROM THE NOTES: SANITARY SEWER AND	FOUNDATION WALLS	M & 25MM DIA. WATER SERVI	CES). AND TO BE						
	34. ALL SANITARY SEWER, SAN CONFORM TO THE CURRENT CIT 36. SEWER BEDDING AS PER (	Y OF OTTAWA STANDARE	IS AND SPECIFICATIONS.							
	37. ALL WORK SHALL BE PERFO 38. ALL SANITARY MANHOLES 1 BE AS PER CITY OF OTIAWA ST 39. SANITARY BACKWATER VA WALL NEAR SERVICES ENTRY	200mm IN DIAMETER TO ANDARD S25 AND 524. LVES TO BE PROVIDED	BE AS PER OPSD 701.01. FR/ (NOT APPLICABLE) FOR EACH BUILDING CLOSE TH	ME AND COVER TO	4     20.       3     20.       2     20.	25-01-27 24-10-29 24-09-27 24-09-27 24-08-13	ISSUED FOR R ISSUED FOR R ISSUED FOR R ISSUED FOR R ISSUED FOR R	EVIEW EVIEW EVIEW		
	40. STORM BACKWATER VALVE WALL NEAR SERVICES EN NOTES: STORM SEWERS AND S	ITRY AS PER CITY OF C	TTAWA STD S14		IS RE PROJECT NO: 2024-12	DATE		DESCRIPTION DATE:	-08-13	B
	41. ALL STORM SEWER MA CURRENT CITY OF OTTAWA STA NOTES: EROSION AND SEDIMEN 42. CONTRACTOR SHALL IMPLEN AREA DRAINAGE SYSTEM AND CONTRACTOR ACKNOWLEDGES T	NDARDS AND SPECIFICAT <u>F CONTROL</u> IENT BEST MANAGEMENT 'HE RECEIVING WATERCOL	IONS. PRACTICES, TO PROVIDE FOR IRSE, DURING CONSTRUCTION A	PROTECTION OF THE	ORIGINAL SCA 1:100 DESIGNED BY R.E	ALE:		LON	IS BAR IS NOT 1" G, ADJUST YOUR LOTTING SCALE.	
	MAY BE SUBJECT TO PENALTIES	s <b>imposed by any appl</b> <u>GENEF</u> 1– all trees si	icable regulatory agency. RAL_NOTES Hall be protected as per	, 'MUNICIPAL	R.E DRAWN BY: R.E CHECKED BY				1"	
FOR FOR FOR	DOTING ABOVE ADE	'URBAN TREES CO PROPERTIES. 2- ALL TREES O	RAL AREAS PROTECTION BY- DNSERVATION BY-LAW'AS AN N RIGHT – OF – WAY TO E NING CONSTRUCTION.	MENDED ON BE MAINTAINED	W.E DISCIPLINE: TITLE:					
PROVI RAINAG	T BEST DE FOR E SYSTEM AND NG CONSTRUCTION	DIRECTED TO THE OF 1.5M FROM F 4-MINIMUM OF 1 SURROUNDING GF UNDER FOOTING 5-PROVIDE PERIM	.5M SOIL COVERAGE BETWEE ADES OR PROVIDE RIGID FO FOR FROST PROTECTION IF F METER SUB-DRAIN ALONG FO	NSTALLED AND AND A MINIMUM N USF AND AM INSULATION REQUIRED. DOTINGS		C	RAD PLA		7	А
SION / SUBJE	THAT FAILURE TO AND SEDIMENT CT TO PENALTIES LATORY AGENCY.	DETERMINED PRIC SIDE OF FOOTING 7-NO EXCESS DI SHALL BE DIRECT	RAINAGE DURING AND AFTER ED TO ADJACENT PROPERTIE IS TO EXISTING GRADES ARE	OSED UNDER CONSTRUCTION S. PERMITTED ON	SHEET NUMB SHEET #:	ER:	OF	1		
		REQUIRE TO BE I	SERVICES LOCATED AT THE RELOCATED BY ENBRIDGE CC RVICE WILL BE REQUIRED.	PROPERTIES WILL INSUMERS GAS.		) FOR R )24-08-13			REV #	
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<ol> <li>ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN 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), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT.</li> <li>THE POSITION OF EXISTING POLE LINES. CONDUITS. WATERMAINS SEWERS AND OTHER 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 UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR 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 CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.</li> </ol>	204 BOREALIS CR.       Civil         0TTAWA, ON K1K 4V1       STRUCTURE         TEL 613-762-7800       SIFURD SIFURD
<ul> <li>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 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.</li> <li>4. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.</li> <li>5. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. AU. INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.</li> <li>6. TOPOGRAPHIC SURVEY COMPLETED ON 13TH DAY OF MARCH 2024 AND PROVIDED B YFARLEY, SMITH &amp; DENNIS SURVEYING LTD. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.</li> <li>7. THE LOCATION OF UNDERGROUND SERVICES ARE BASED ON THE SURVEY PROVIDED WITH THE INFORMATION FROM THE CITY OF OTTAWA ON GEOOTTAWA. HOWEVER, CONTRACTOR MUST ENSURE THAT THIS INFORMATION IS VERIFIED PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.</li> <li>8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.</li> </ul>	TEL 613-762-7800 ELECTRICAL WISSAMELIAS@GMAIL.COM MECHANICAL CONSULTANT:
<ul> <li>9. JOB BENCH MARK AS INDICATED ON THE DRAWINGS</li> <li>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.</li> <li>11. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMIUM</li> <li>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 BACKFILL AND COMPACTION.</li> <li>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 206, 310 &amp; 314. MATERIALS TO OPSS 1001, 1003 &amp; 1010.</li> <li>14. ABUTTING PROPERTY GRADES TO BE MATCHED.</li> </ul>	SEAL:
<ul> <li>15. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.</li> <li>16. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.</li> <li>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 PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.</li> <li>18. AT PROPOSED UTILITIES CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER. SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF'EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.</li> <li>19. SERVICE TRENCHES ON MUNICIPAL RIGHT OF WAY TO BE REINSTATED AS PER CITY OF OTAWA DETAIL R10.</li> <li>20. PRIOR TO CONSTRUCTION, A GEOTECHNICAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO IS TO INSPECT ALL SUB-SURFACES FOR FOOTINGS, SERVICES AND PAVEMENT STRUCTURES.</li> <li>FOR ANY SOILS RELATED INFORMATION, REFER TO THE GEOTECHNICAL INVESTIGATION REPORT BY EXP Services</li> <li>24. a) PAVEMENT STRUCTURE SHALL CONSIST OF FOR CAR ONLY PARKING AREAS: 65 mm ASPHALTIC CONCRETE (PG 58-34), 92% to 97 % MRD 150 mm GRANULAR A BASE (0PSS 1010) (CRUSHED LIMESTORE), 100% SPMDD 300 mm GRANULAR B TYPE II SUB-BASE (0PSS 1010), 100% SPMDD SUBGRADE— APPROVED EXISTING FILL, SUBGRADE AND IMPORTED GRANULAR FILL (COMPACTED TO 95%</li> </ul>	CLIENT: OTTAWA ONTARIO PROJECT: PROPOSED DEVELOPMENT 2409 CARLSEN AVENUE OTTAWA, ON K1V 8E9
25. CONTRACTOR TO REINSTATE PAVER STONES IN CITY ROW. NOTES WATERMAIN 24. ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS. 25. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 1B MEETING AWWA SPECIFICATION C900. STANDARD LATERAL MATERIAL SERVICES UP TO 50MM IS COPPER TYPE 'K'.	KEY PLAN:
<ul> <li>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 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 PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W25.</li> <li>27. WATER MAIN BEDDING TO BE AS PER CITY OF OTTAWA STANDARD W17.</li> <li>28. VALVE BOX TO BE AS PER CITY OF OTTAWA STANDARD W24.</li> <li>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 ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25.3 &amp;: W25.4.</li> <li>30. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40</li> </ul>	DISCLAIMER: COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY W.ELIAS ENGINEERING . THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. THIS DRAWING IS NOT TO BE SCALED.
&: W42. 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. "TYPICAL WATER SERVICE LINE AS PER W26(FOR 19MM & 25MM DIA. WATER SERVICES). AND TO BE INSTALLED AT 1 M FROM THE FOUNDATION WALLS NOTES: SANITARY SEWER AND MANHOLES 34. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCE AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.	ISSUED FOR - REVISION:
<ul> <li>36. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.</li> <li>37. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSS 407, AND 410.</li> <li>38. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTIAWA STANDARD S25 AND 524. (NOT APPLICABLE)</li> <li>39. SANITARY BACKWATER VALVES TO BE PROVIDED FOR EACH BUILDING CLOSE TO THE FOUNDATION WALL NEAR SERVICES ENTRY AS PER CITY OF OTTAWA STD S14.1 OR S14.2</li> <li>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.</li> <li>NOTES: STORM SEWERS AND STRUCTURES</li> <li>41. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE</li> </ul>	Image: Second system       Image: Second system         5       2025-01-27       ISSUED FOR REVIEW         4       2024-10-29       ISSUED FOR REVIEW         3       2024-10-25       ISSUED FOR REVIEW         2       2024-09-27       ISSUED FOR REVIEW         1       2024-08-13       ISSUED FOR REVIEW         1s       RE       DATE         PROJECT NO:       2024-08-13
CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. <u>NOTES: EROSION AND SEDIMENT CONTROL</u> 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 ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.	ORIGINAL SCALE: 1:100 DESIGNED BY: R.E DRAWN BY: R.E CHECKED BY: W.E DISCIPLINE:
	TITLE: SERVICING PLAN SHEET NUMBER: S1
3	SHEET #: OF ISSUE: ISSUED FOR REVIEW DATE OF: 2024–08–13