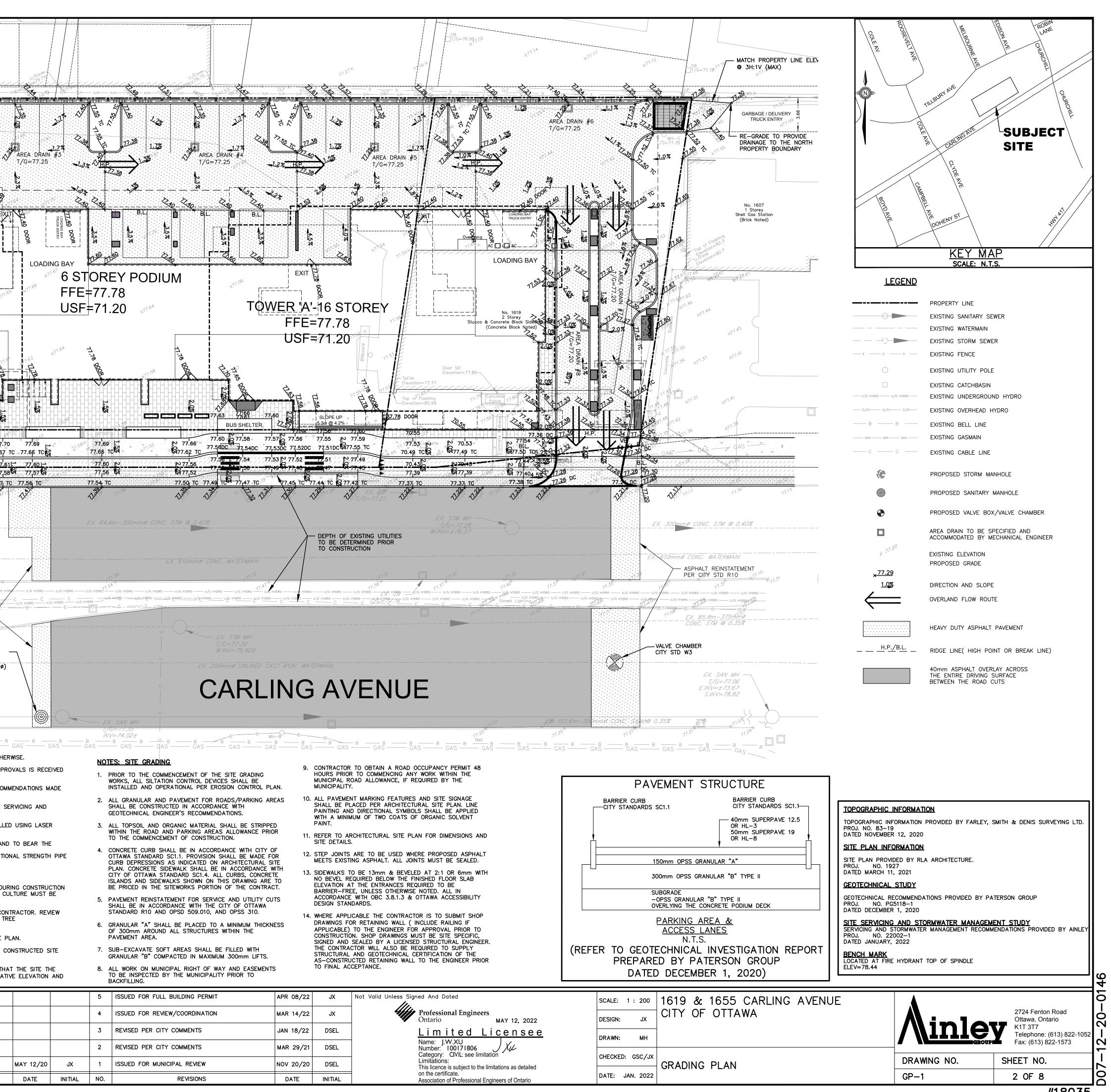
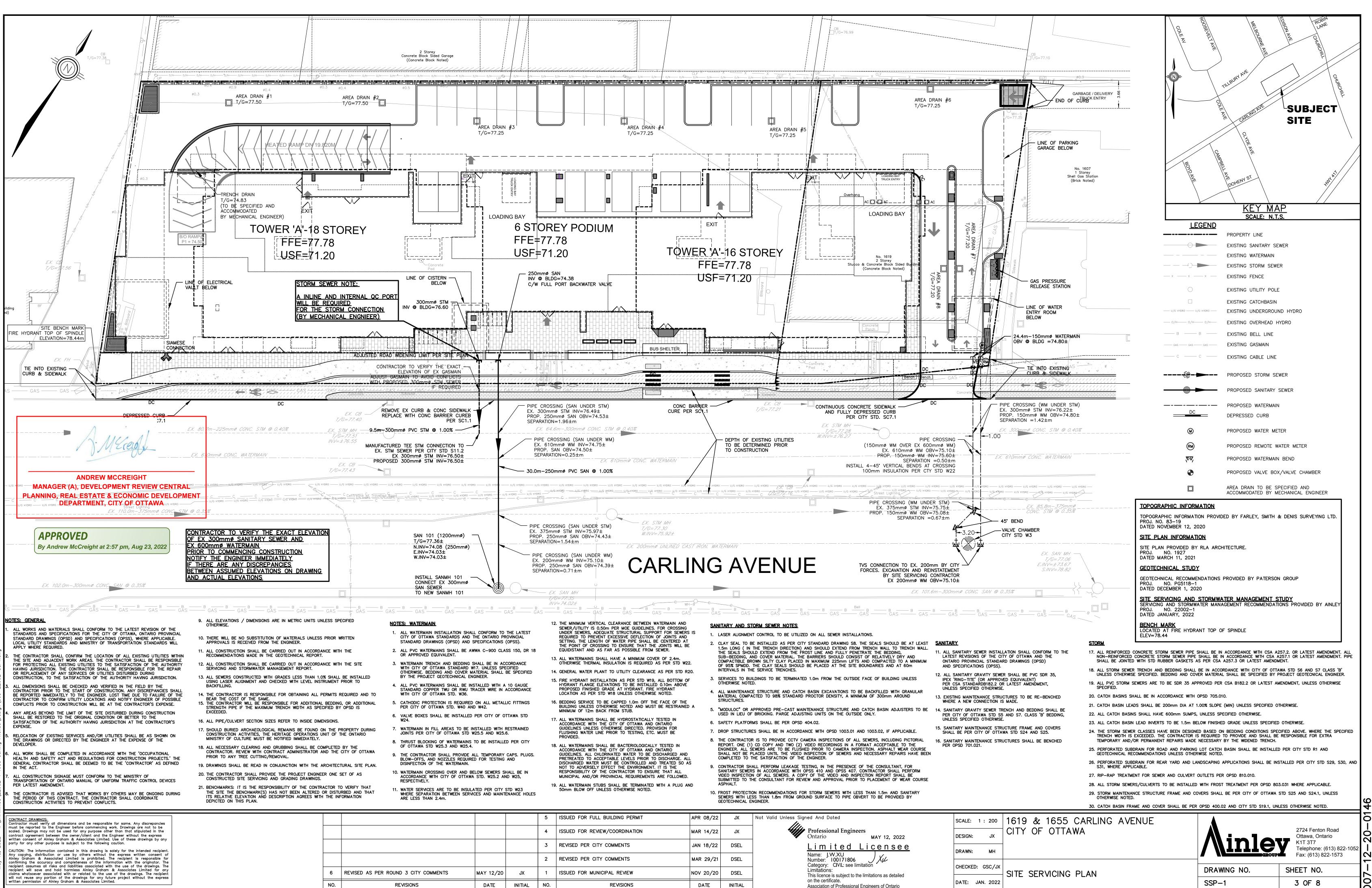
T/G=77.38 17.54 X 100 17.52 X 17.59 17.52 X 17.59 17.55 X 17.55 X	
Top of Florening Elevation=77.99 SITE BENCH MARK B FIRE HYDRANT TOP OF SPINDLE ELEVATION=78.44m ACCOMMODATED BY MECHANICAL TIDE TIDE TOP of Florening Elevation=85.73 TIDE TIDE TIDE TIDE TIDE TIDE TIDE TIDE	ENGINEER) EXIT X110 8
11 EX. FH 11	
 NOTES: GENERAL ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISION OF THE STANDARDS AND SPECIFICATIONS FOR THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE. LOCAL UTILITY STANDARDS AND MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING UTILITIES WITHIN THE SITE AND ADJACENT WORK AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO 	N.INV=74.08 (250mm¢ E.INV=74.03± W.INV=74.03
THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE. 4. ANY AREAS BEYOND THE LIMIT OF THE SITE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE CONTRACTOR'S EXPENSE. 5. RELOCATION OF EXISTING SERVICES AND/OR UTILITIES SHALL BE AS SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE DEVELOPER. 6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 'OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.' THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE 'CONTRACTOR' AS DEFINED IN THE ACT. 7. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE MINISTRY OF TRANSPORTATION OF ONTARIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PER LATEST AMENDMENT. 8. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES TO PREVENT CONFLICTS.	 THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AN COST OF THE SAME. THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL BEDDING, OR ADDITI IF THE MAXIMUM TRENCH WIDTH AS SPECIFIED BY OPSD IS EXCEEDED. ALL PIPE/CULVERT SECTION SIZES REFER TO INSIDE DIMENSIONS. SHOULD BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DU ACTIVITIES, THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF ON NOTIFIED IMMEDIATELY. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CO WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO ANY T CUTTING/REMOVAL. DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SITE THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER ONE SET OF AS O SERVICING AND GRADING DRAWINGS. BENCHMARKS: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY TH BENCHMARK(S) HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELA DESCRIPTION AGREES WITH THE INFORMATION DEPICTED ON THIS PLAN.
must be reported to the Engineer before commencing work. Drawings are not to be scaled. Drawings may not be used for any purpose other than that stipulated in the contract agreement between the owner/client and the Engineer without the express written consent of Ainley Graham & Associates Limited. Use of these drawings by any party for any other purpose is subject to the following caution. CAUTION: The information contained in this drawing is solely for the intended recipient. Any copying, distribution or use by others without the express written consent of Ainley Graham & Associated Limited is prohibited. The recipient is responsible for confirming the accuracy and completeness of the information with the originator. The recipient assumes all risks and liabilities associated with the use of the drawings. The recipient will save and hold harmless Ainley Graham & Associates Limited for any claims whatsoever associated with or related to the use of the drawings. The recipient will not reuse any portion of the drawings for any future project without the express written permission of Ainley Graham & Associates Limited.	6 REVISED AS PER ROUND 3 CITY COMMENTS

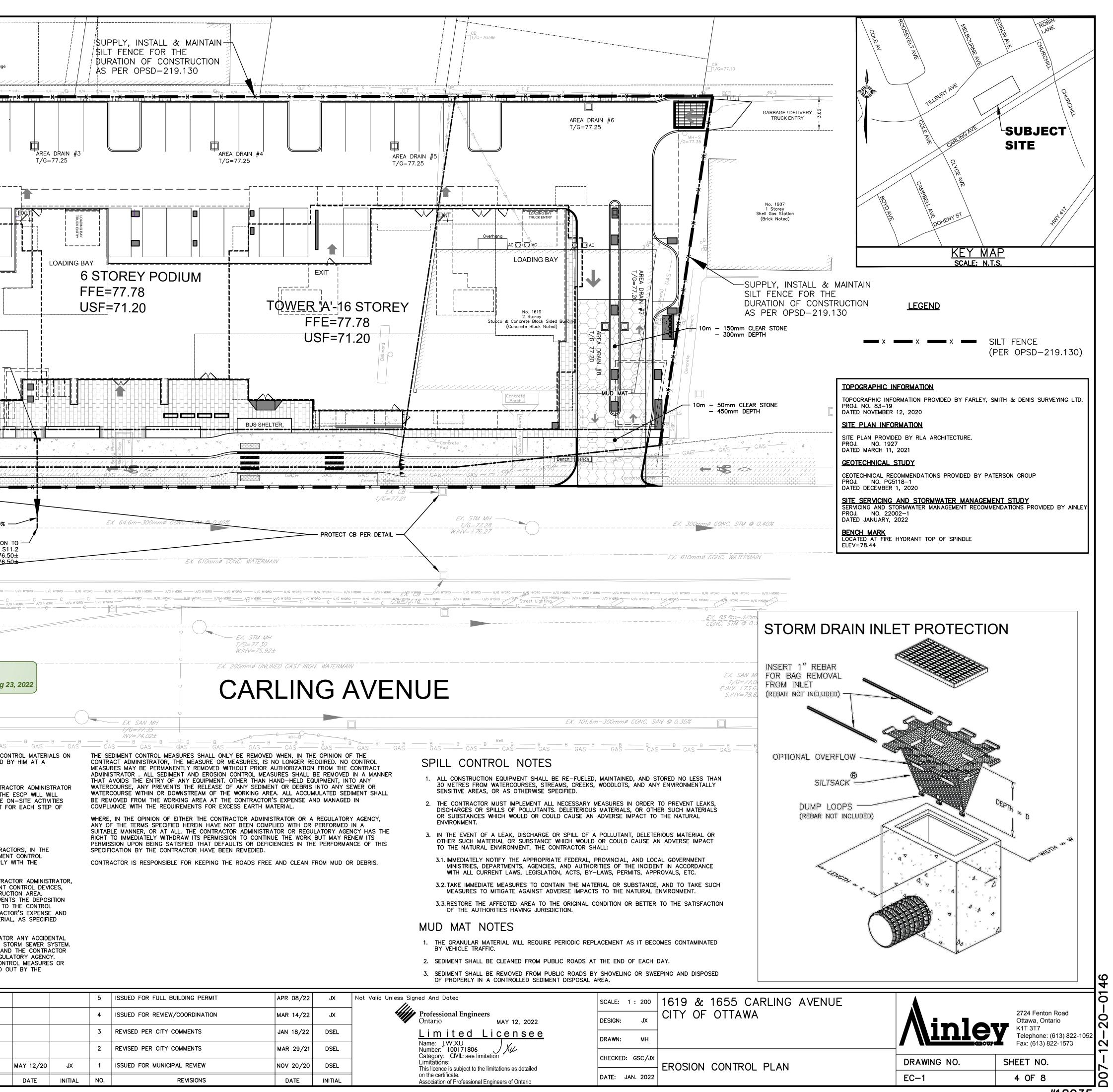


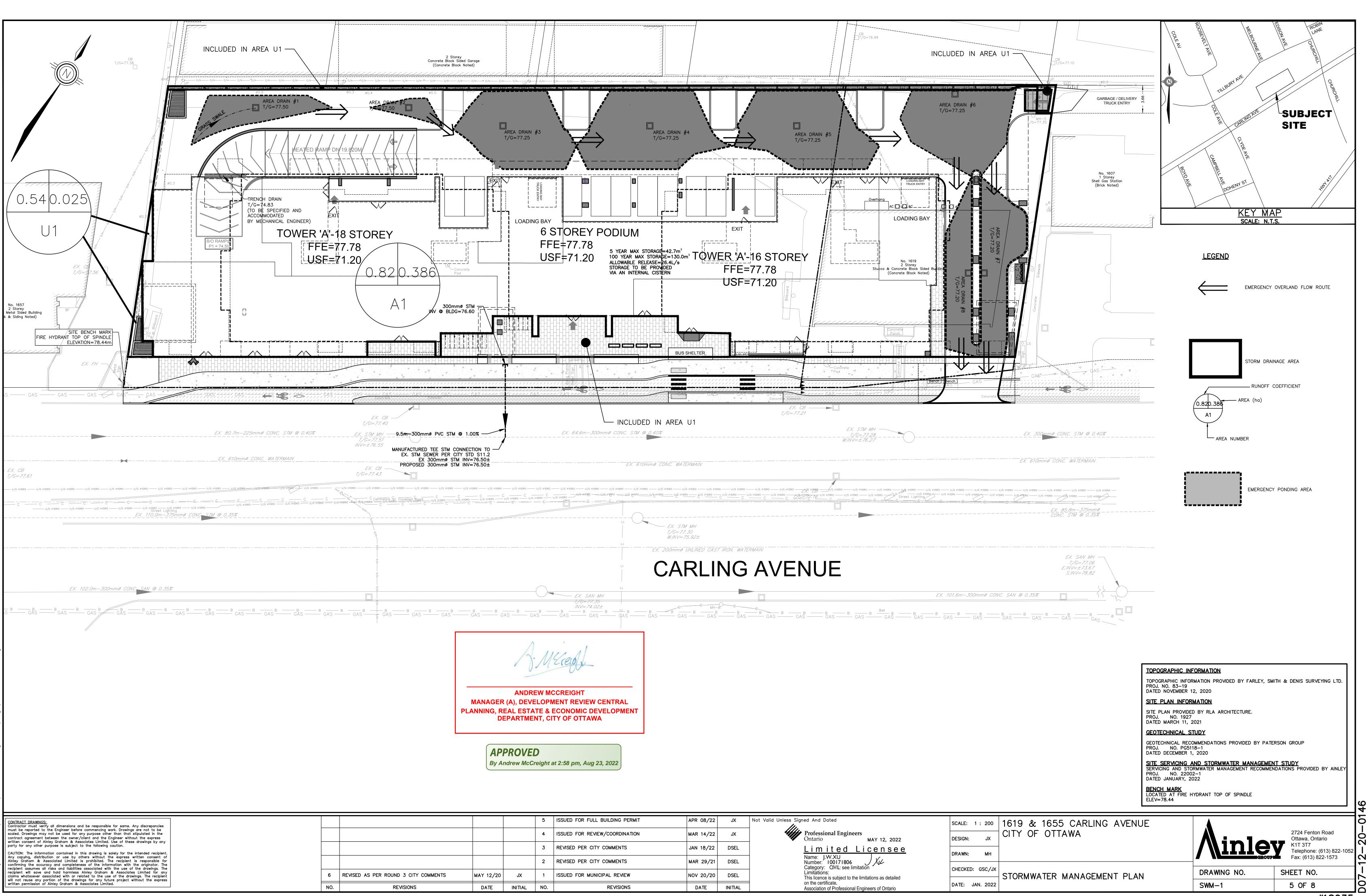


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SUPPLY, INSTALL & MAINTAIN SILT FENCE FOR THE DURATION OF CONSTRUCTION AS PER OPSD-219.130		MEATED RAMP DN 19.8		
	TRENCH DRAIN T/G=74.83 (TO BE SPECIF ACCOMMODATED BY MECHANICAL	Έ×1Ť	STORFY	
EX. CO T/G=7.56	B/O RAMP@ P1 = 74.50	FFE=77.	78	Concrete Pad
1657 orey Sided Building ding Noted) SITE BENCH MARK FIRE HYDRANT TOP OF SPINDLE ELEVATION=78.44m		· · · · · · · · · · · · · · · · · · ·		300mmø STM - INV © BLDG=76.60
EX. FH				
GAS GAS GAS GAS GAS		B. 25.	-15 PS CAS CKS Conversion Ex. CB T/G= 77.40	3 (AS) (A Sidewalk
CB = 77.61	EX. 80.7m-225mmø CONC. SUPPLY, INSTALL SILT FENCE FOR DURATION OF CO AS PER OPSD-2	& MAINTAIN	<i>T/G=77.51</i> <i>INV=±76.55</i> MANUFACTUF EX. STM	mmø PVC STM @ 1.00% RED TEE STM CONNECTIO SEWER PER CITY STD S X 300mmø STM INV=76 D 300mmø STM INV=76
з нурко — u/g нур	u/G HYDRO U/G HYDRO C	TORO U/G HYDRO	YDRO U/G HYDRO U/G HYDRO U/G C Centrelline Gf <u>Travelled Hybro</u> C Centrelline Gf <u>Travelled Hybro</u> C C C C C C C C C C C C C C C C C C C	нурко — U/G нурко — U/G нурко <u>- C C U/G нурко — U/G нурко</u> <u>- C U/G нурко — U/G нурко — U/G нурко</u> - C — U/G нурко — U/G нурко —
	ANDREW MCCR MANAGER (A), DEVELOPMEN PLANNING, REAL ESTATE & ECO DEPARTMENT, CITY C	REVIEW CENTRAL	APPROVEL By Andrew McCr) eight at 2:58 pm, Aug
EX. 102.0m-300mmø CONC. SAN @ 0.35%				
EROSION AND SEDIMENT CONTR GENERAL	OL NOTES	REGULATORY AGENCY. AS	GAS GAS GAS GAS GAS GAS	ALL HAVE ADDITIONAL C
THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRAC THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOUP THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIE REGULATORY AGENCY.	RSE, DURING CONSTRUCTION ACTIVITIES. NT APPROPRIATE EROSION AND	SIX COPIES OF A DETAILE CONSIST OF A WRITTEN D	ORK, THE CONTRACTOR SHAL D EROSION AND SEDIMENT CO ESCRIPTION AND DETAILED DF SED TO CONTROL EROSION AN	ONTROL PLAN (ESCP). TH RAWINGS INDICATING THE
THE CONTRACTOR ACKNOWLEDGES THAT SURFACE EROSION AI THEIR CONSTRUCTION OPERATIONS HAS POTENTIAL TO CAUSE DOWNSTREAM WATERCOURSE OR SEWER, AND THAT ALL CONS IMPACT UPON WATER QUALITY SHALL BE CARRIED OUT IN A REQUIREMENTS OF ALL APPLICABLE LEGISLATION AND REGULA	A DETRIMENTAL IMPACT TO ANY STRUCTION OPERATIONS THAT MAY MANNER THAT STRICTLY MEETS THE	CONTRACTOR'	S RESPONSIBIL	
AS SUCH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAP SUPPLYING AND INSTALLING ANY APPROPRIATE CONTROL MEA LADEN RUNOFF FROM ENTERING ANY SEWER OR WATERCOURS WORKING AREA.	SURES, SO AS TO PREVENT SEDIMENT	WORKING AREA ARE AWAI MEASURES AND INFORMEE REQUIREMENTS OF ALL RE	ENSURE THAT ALL WORKERS, RE OF THE IMPORTANCE OF T OF THE CONSEQUENCES OF EGULATORY AGENCIES. PERIODICALLY, AND WHEN RE	HE EROSION AND SEDIME THE FAILURE TO COMPL
THE CONTRACTOR ACKNOWLEDGES THAT NO ONE MEASURE IS EROSION PROTECTION AND CONTROLLING SEDIMENT RUNOFF A THEREFOR, WHERE NECESSARY THE CONTRACTOR SHALL IMPLE IN SUCH A MANNER AS TO MITIGATE SEDIMENT RELEASE FROM ACHIEVE SPECIFIC MAXIMUM PERMITTED CRITERIA WHERE APPL	ND DISCHARGE FROM THE SITE. EMENT ADDITIONAL MEASURES ARRANGED M THE CONSTRUCTION OPERATIONS AND JCABLE. SUGGESTED ON-SITE	INCLUDING THOSE DEPOSI ACCUMULATED SEDIMENT OF THIS MATERIAL INTO A MEASURE. THE SEDIMENT	D SEDIMENT DEPOSITS AS REC TS THAT MAY ORIGINATE FRO SHALL BE REMOVED IN SUCH ANY SEWER OR WATERCOURSE SHALL BE REMOVED FROM TH WITH THE REQUIREMENTS FO	M OUTSIDE THE CONSTRU A MANNER THAT PREVE AND AVOIDS DAMAGE 1 IE SITE AT THE CONTRA
MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, THI PONDS, FILTER BAGS, PUMP FILTERS, SETTLING TANKS, SILT F CATCH BASIN FILTERS, CHECK DAMS AND/OR BERMS, OR OTH METHODS AVAILABLE AT THE TIME OF CONSTRUCTION. SPECIFI ACCORDANCE WITH THE REQUIREMENTS OF OPSS 577 WHERE MANUFACTURE'S RECOMMENDATIONS. WHERE, IN THE OPINION OF THE CONTRACT ADMINISTRATOR O	ENCES, STRAW BALES, FILTER CLOTHS, IER RECOGNIZED TECHNOLOGIES AND IC MEASURES SHALL BE INSTALLED IN APPROPRIATE, OR IN ACCORDANCE WITH	ELSEWHERE IN THE CONTR THE CONTRACTOR SHALL DISCHARGES OF SEDIMENT FAILURE TO REPORT WILL MAY ALSO BE SUBJECT T APPROPRIATE RESPONSE		CONTRACT ADMINISTRA WATERCOURSE OR THE F THIS SPECIFICATION A Y ANY APPLICABLE REGU EPAIRS TO EXISTING CON
CONTROL MEASURES FAIL TO PERFORM ADEQUATELY, THE CON ADDITIONAL OR ALTERNATIVE MEASURES AS DIRECTED BY THE CONTRACT DRAWINGS: Contractor must verify all dimensions and be responsible for same. Any discrepancies	NTRACTOR SHALL SUPPLY AND INSTALL			LO, UTALL DE VARRIED
must be reported to the Engineer before commencing work. Drawings are not to be scaled. Drawings may not be used for any purpose other than that stipulated in the contract agreement between the owner/client and the Engineer without the express written consent of Ainley Graham & Associates Limited. Use of these drawings by any party for any other purpose is subject to the following caution. CAUTION: The information contained in this drawing is solely for the intended recipien	.t.			
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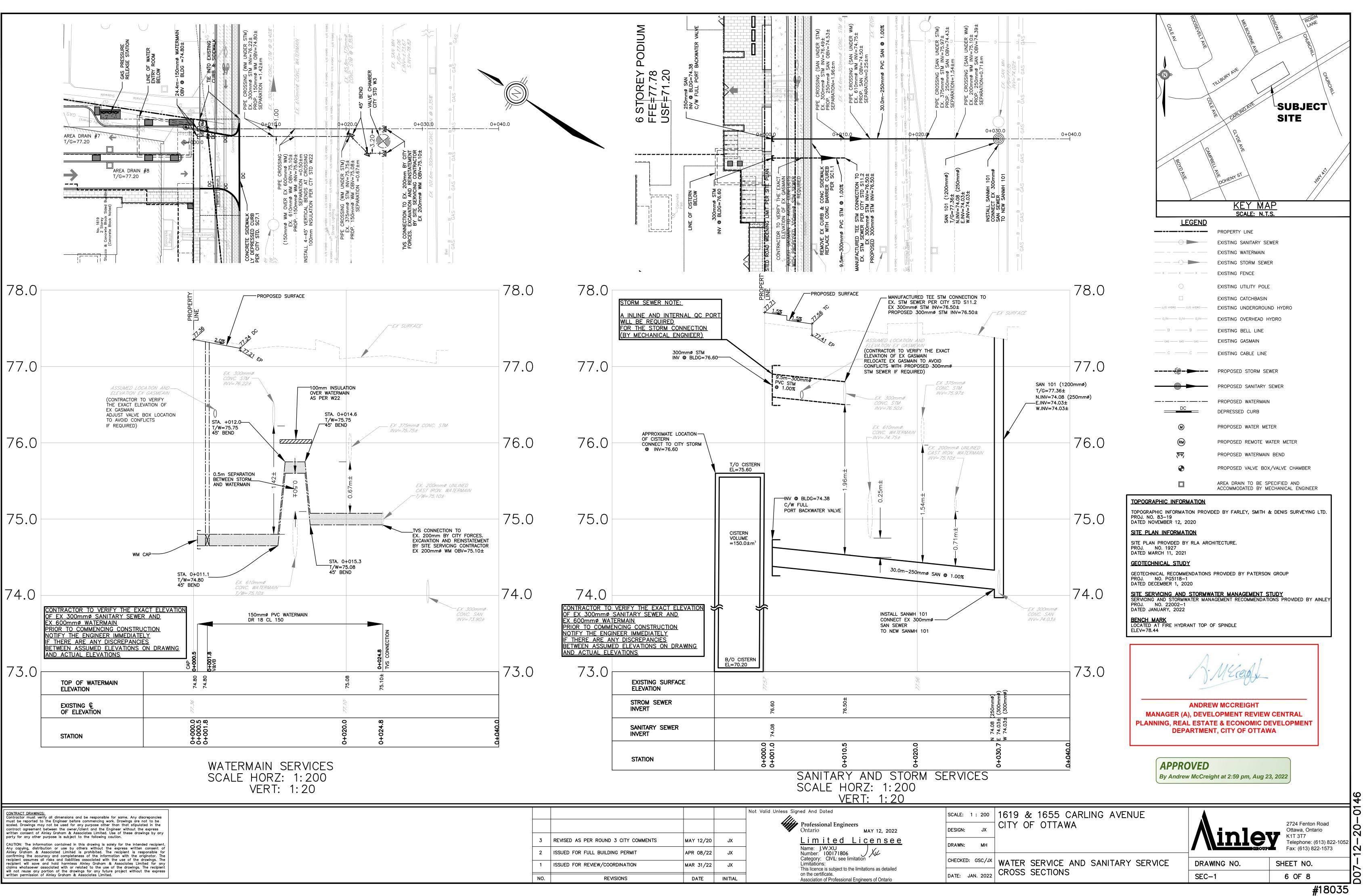
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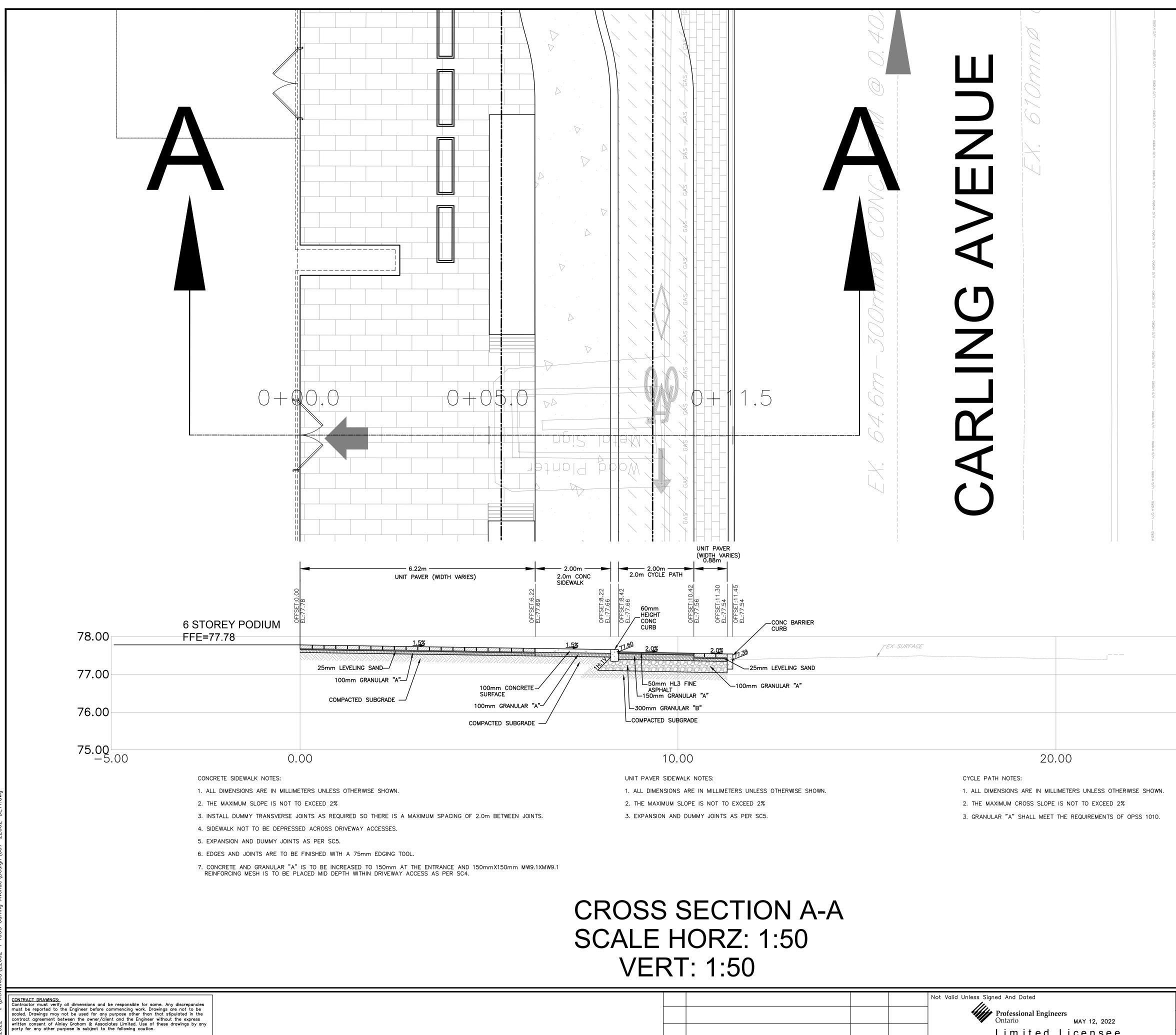




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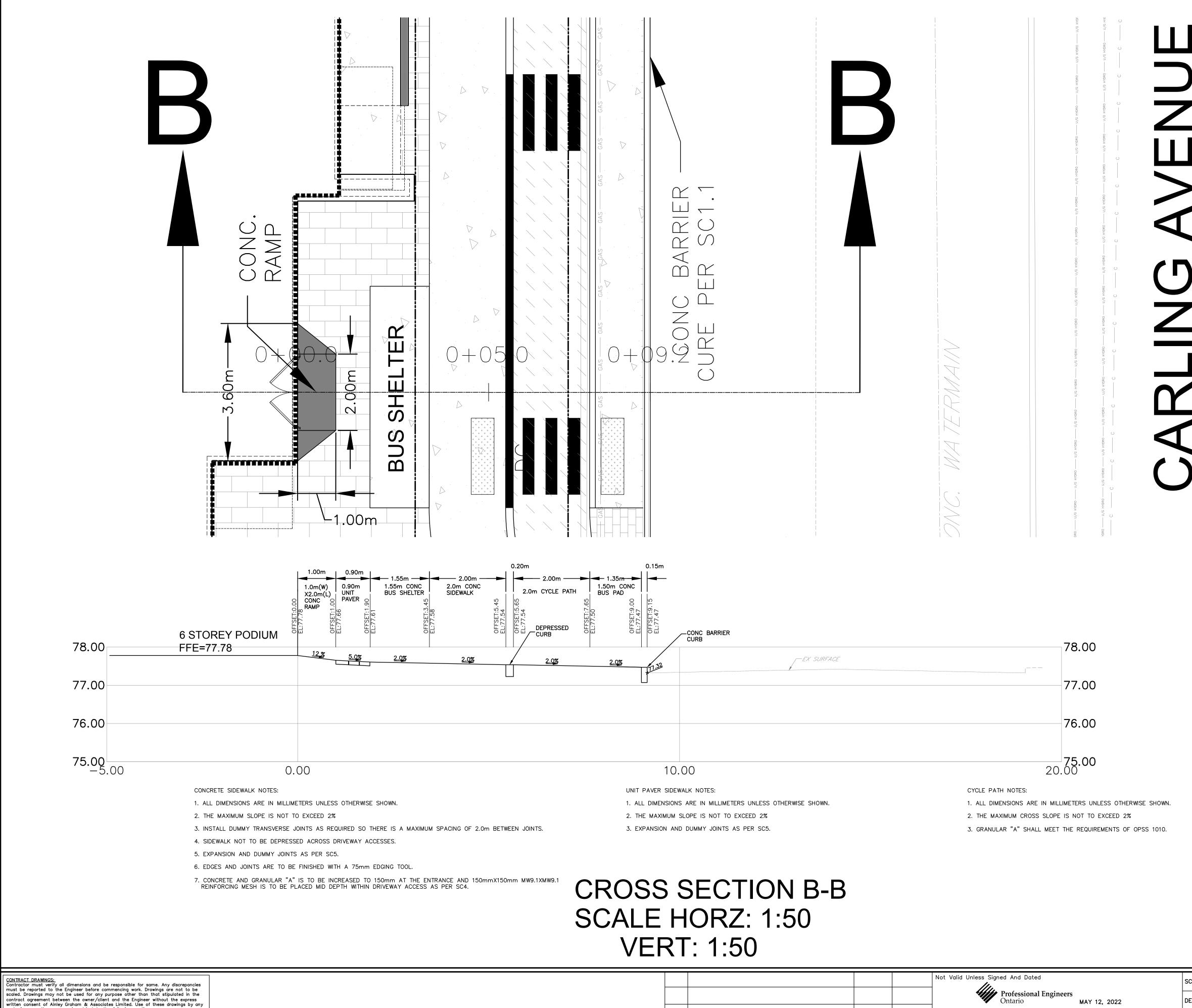
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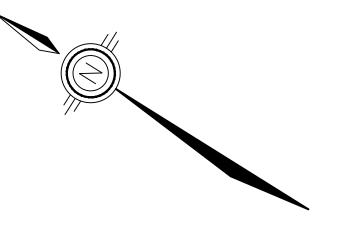
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CONC BARRIER CURB COMPACTED SUBGRADE COMPACTED SUBGRADE	FACE	78.00 77.00 76.00 75.00	 PROPOSED VALVE BOX/VALVE CHAMBER AREA DRAIN TO BE SPECIFIED AND ACCOMMODATED BY MECHANICAL ENGINEER COPOGRAPHIC INFORMATION PROVIDED BY FARLEY, SMITH & DENIS SURVEYING LTD. PROJ. NO. 83–19 DATED NOVEMBER 12, 2020 STE PLAN INFORMATION PROVIDED BY FARLEY, SMITH & DENIS SURVEYING LTD. PROJ. NO. 83–19 DATED NOVEMBER 12, 2020 STE PLAN INFORMATION STE PLAN PROVIDED BY RLA ARCHITECTURE. PROJ. NO. 1927 DATED MARCH 11, 2021 GEOTECHNICAL STUDY GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP PROJ. NO. 965118–1 DATED DECHMENT 1, 2020 STE SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY AINLEY PROJ. NO. 22002–1 DATED JAULARY, 2022 DATED ATED ATE HYDRANT TOP OF SPINDLE
	CYCLE PATH NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN 2. THE MAXIMUM CROSS SLOPE IS NOT TO EXCEED 2% 3. GRANULAR "A" SHALL MEET THE REQUIREMENTS OF OPSS 1010. Mot Valid Unless Signed And Dated May 12, 2022 Limited Licensee	ANDREW MCCREI MANAGER (A), DEVELOPMENT PLANNING, REAL ESTATE & ECON DEPARTMENT, CITY OF MARKEN MANAGER (A), DEVELOPMENT PLANNING, REAL ESTATE & ECON DESIGN: 150 1619 & 1655 CARLING CITY OF OTTAWA	IGHT REVIEW CENTRAL OMIC DEVELOPMENT OTTAWA Aug 23, 2022 AVENUE
2 REVISED AS PER ROUND 3 CITY COMMENTS MAY 12/20 JX 1 ISSUED FOR REVIEW/COORDINATION MAY 09/22 JX NO. REVISIONS DATE INITIAL	Name: J.W.XU Number: 100171806 Category: CIVIL: see limitation Limitations: This licence is subject to the limitations as detailed on the certificate.	DRAWN: MH CHECKED: GSC/JX DATE: JAN. 2022 CHECKED: GSC/JX CHECKED: GSC/JX CHECKED: GSC/JX CHECKED: GSC/JX CHECKED: GSC/JX AND CYCLE PATH DETAILS SECTION A-A	



contract agreement between the owner/client and the Engineer without the express written consent of Ainley Graham & Associates Limited. Use of these drawings by any party for any other purpose is subject to the following caution. CAUTION: The information contained in this drawing is solely for the intended recipient. Any copying, distribution or use by others without the express written consent of Ainley Graham & Associated Limited is prohibited. The recipient is responsible for confirming the accuracy and completeness of the information with the originator. The recipient assumes all risks and liabilities associated with the use of the drawings. The recipient will save and hold harmless Ainley Graham & Associates Limited for any claims whatsoever associated with or related to the use of the drawings. The recipient will not reuse any portion of the drawings for any future project without the express written permission of Ainley Graham & Associates Limited.

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2	REVISED AS PER ROUND 3 CITY COMMENTS	MAY 12/20	JX	Limited Licensee Name: J.W.XU Number: 100171806 Category: CIVIL: see limitation		
1	ISSUED FOR REVIEW/COORDINATION	MAY 09/22	JX	Limitations: This licence is subject to the limitations as detailed		
NO.	REVISIONS	DATE	INITIAL	on the certificate. Association of Professional Engineers of Ontario		



COLE AV	CLYDE AVE
i k in (KEY MAP
LEGEND	SCALE: N.T.S.
	PROPERTY LINE
	EXISTING SANITARY SEWER EXISTING WATERMAIN
	EXISTING STORM SEWER
XXX	EXISTING FENCE
\bigcirc	EXISTING UTILITY POLE
U/G HYDRO U/G HYDRO	EXISTING CATCHBASIN EXISTING UNDERGROUND HYDRO
	EXISTING OVERHEAD HYDRO
B B	
GAS GAS GAS	EXISTING GASMAIN
C C	EXISTING CABLE LINE
	PROPOSED STORM SEWER
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•	PROPOSED WATER METER
RM	PROPOSED REMOTE WATER METER
<u>দ</u> ন্দ ম	PROPOSED WATERMAIN BEND
	PROPOSED VALVE BOX/VALVE CHAMBER
	AREA DRAIN TO BE SPECIFIED AND ACCOMMODATED BY MECHANICAL ENGINEER
APHIC INFORMATION	

TOPOGRAPHIC INFORMATION TOPOGRAPHIC INFORMATION PROVIDED BY FARLEY, SMITH & DENIS SURVEYING LTD. PROJ. NO. 83–19 DATED NOVEMBER 12, 2020

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SITE PLAN INFORMATION

SITE PLAN PROVIDED BY RLA ARCHITECTURE. PROJ. NO. 1927 DATED MARCH 11, 2021

GEOTECHNICAL STUDY

GEOTECHNICAL RECOMMENDATIONS PROVIDED BY PATERSON GROUP PROJ. NO. PG5118-1 DATED DECEMBER 1, 2020

SITE SERVICING AND STORMWATER MANAGEMENT STUDY SERVICING AND STORMWATER MANAGEMENT RECOMMENDATIONS PROVIDED BY AINLEY PROJ. NO. 22002–1 DATED JANUARY, 2022

BENCH MARK LOCATED AT FIRE HYDRANT TOP OF SPINDLE ELEV=78.44

ANDREW MCCREIGHT MANAGER (A), DEVELOPMENT REVIEW CENTRAL PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT **DEPARTMENT, CITY OF OTTAWA**

APPROVED



