ALLISON HAMLIN MANAGER, DEVELOPMENT REVIEW ALL WARDS PLANNING, DEVELOPMENT & BUILDING SERVICES DEPARTMENT, CITY OF OTTAWA

APPROVED By Allison Hamlin at 3:53 pm, Apr 22, 2025

General Notes DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS 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 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
- 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 POWER, COMMUNICATION
- ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED
- PRIOR TO COMMENCEMENT OF CONSTRUCTION. TOPOGRAPHIC SURVEY AND PROPERTY BOUNDARY INFORMATION COMPLETED AND PROVIDED BY FARLEY, SMITH AND DENIS SURVEYING LTD., FILE NO.:4153-24, DATED MAY 09.2024, CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS
- EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED. 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 MINIMUM. 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
- ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSAF PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION, INCLUDING WATER PERMIT AND ROAD CUT PERMIT.
- MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS. EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS. ALL EXCESS SOIL MANAGEMENT. TESTING AND DISPOSAL MUST COMPLY WIT
- BE BORNE BY THE CONTRACTOR. 6. AT PROPOSED UTILITY 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

CURRENT O.REG. 406/19. ALL ASSOCIATED COSTS ARE TO

- BEFORE COMMENCING WORK. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR P.ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND
- SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES. . ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONATIONS FROM THOSE INCLUDED IN REPORT.

REPORT REFERENCES;

GEOTECHNICAL INVESTIGATION EAST URBAN CENTER ELEMENTARY SCHOOL, 700 SPRING VALLEY DRIVE, OTTAWA, ONTARIO PREPARED BY EXP DATED NOVEMBER 26, 2024.). PROVIDE CCTV INSPECTION REPORT FOR ALL SEWERS AND CATCHBASIN LEADS 200mm DIAMETER AND LARGER.

REPEAT CCTV INSPECTION FOLLOWING RECTIFICATION OF ANY DEFICIENCIES. **Notes: Sanitary Sewer and Manholes** ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE

- CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING. PROVIDE DYE TESTING FOR SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN
- CONFORMANCE WITH CSA B-182.2,3,4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF
- OTTAWA STANDARD S25 AND S24. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021 ANY SANITARY SEWER WITH LESS THAN 2.0m COVER
- REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD S35, OR APPROVED BY THE ENGINEER.

Notes: Storm Sewer and Manholes

- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCT INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
- STORM SEWERS 375mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3. STORM SEWERS 450mm AND LARGER SHALL BE REINFORCED CONCRETE CLASS 100.
- ALL STORM MANHOLES TO BE AS PER MANHOLE AND CATCHBASIN SCHEDULE. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CIT OF OTTAWA STANDARD S35, OR APPROVED BY THE

SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.

- CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31. 3. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
- STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS \$19

Folder: \\jp2g.com\project1\Project Data\5-Civil\2024\24-5049A - N45 - New School - 700 Spring Valley Dr\05 Drawings\1 Ongoing | Drawing: 24-5049A_700_Spring_Valley_Drive-Issued For Civil Addendum #2-Rev-5-2025-04-03-A0.dwg | Layout: C3_Details_Notes & Schedules | Print date: 7:07 AM April 4, 2025

STORM CBMH'S AS INDICATED IN TABLE WITH SUMP ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.). INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

Parking Lot and Work in Public Rights of Way ** CONTRACTOR IS RESPONSIBLE FOR AL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT

CONTROL FEATURES.**

- PRIOR TO START OF CONSTRUCTION: 1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
- INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION. DURING CONSTRUCTION: MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL
- PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.

PERMANENT STORM WATER MANAGEMENT IS IN PLACE.

OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN

THE EXISTING SITE IS DISTURBED AT THE PERIMETER.

- INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
- DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY
- SATISFACTION OF THE ENGINEER). NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD 2.11. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.

(PROVIDE WATERING AS REQUIRED AND TO THE

VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING

SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR

- PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED. ALL FROSION CONTROL STRUCTURE TO REMAIN IN OF VEGETATIVE GROUND COVER. THE CONTRACTOR SHALL IMPLEMENT BEST
- PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION 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 APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY

Parking Lot and Work in Public Rights of Way CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE

- COMMENCEMENT OF PLACEMENT OF GRANULAR B . FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE
- MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF RANULAR A MATERIAL FOR TESTING AND CERTIFICATION
- FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT, CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS

THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL

- CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR T . ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT, CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON
 - AND BUILDING SERVICES. DEVELOPMENT AND BUILDING SERVICES: CONSTRUCTION ON THE LANDS: AND

65mm Thick SP12.5mm ¬

C3 Scale: As shown

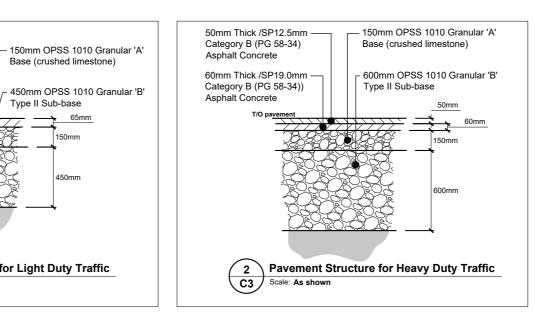
Base (crushed limestone)

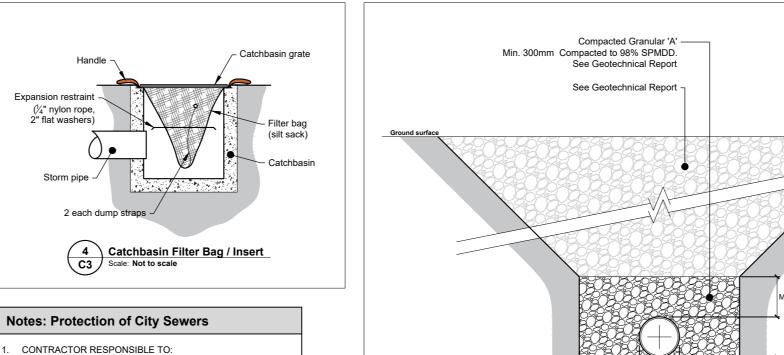
Type II Sub-base

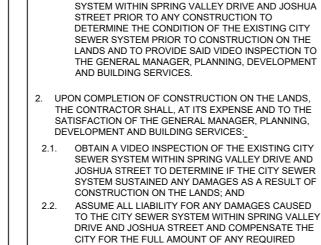
Pavement Structure for Light Duty Traffic

Category B PG(58-34)

Asphalt Concrete

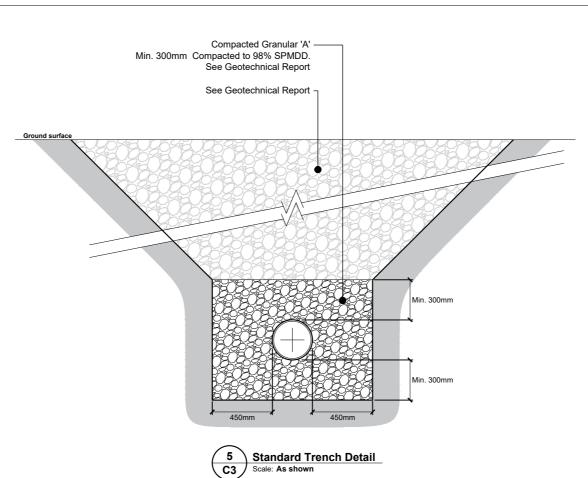


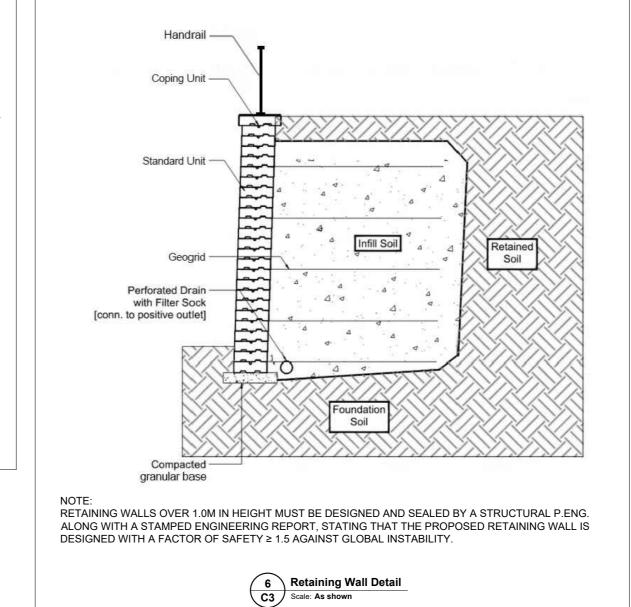




REPAIRS TO THE CITY SEWER SYSTEM.

OBTAIN A VIDEO INSPECTION OF THE CITY SEWER





FRAME

sub-base

– Milling (50mm) or as shown

3 Key Joint Detail
C3 Scale: As shown

Base course asphalt

Sawcut existing asphalt full depth

Existing asphalt –

Existing granulars —

50mm sawcut depth

MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.

- ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED: WHERE WATERMAINS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m LEARANCE 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 W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE. THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
- 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 & W25.4. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42. ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES
- SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS. 8 IF WATER MAIN MUST BE DEELECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE

Excess Soil And O.REG. 406/19

FOUNDATION, PAVED AREAS, SUBDRAINS AND SERVICE TRENCHES. EXCESS MATERIAL REMOVAL FROM SITE SHALL FOLLOW THE GEOTECHNICAL AND ENVIRONMENTAL ENGINEER'S RECOMMENDATION. CONTRACTOR TO STOCKPILE UN-USABLE FILL TO BE REMOVED FROM SITE TO ALLOW THE GEOTECHNICAL ENGINEER IN 10 DAYS TO INSPECT THE MATERIALS AND TO PROVIDE GUIDANCE TO CONTRACTOR PRIOR TO DISPOSAL. EROSION CONTROL MEASURE ARE TO BE APPLIED TO STOCKPILE AREA. EXCESS MATERIALS SHALL BE DISPOSED AS PER THE REQUIREMENTS OF OPSS 180.

EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND

DEBRIS LOCATED WITHIN THE PROPOSED BUILDING,

- IF CONTAMINATION HAZARDOUS MATERIAL IS SUSPECTED DURING CONSTRUCTION (E.G. STAINING, ODOURS, ETC.), THE CONTRACTOR MUST NOTIFY THE PROPERTY OWNER(S) PROJECT LEADER PRIME CONSULTANT AND GEOTECHNICAL ENGINEER, FOR DIRECTION ON HOW TO PROCEED ACCORDING TO FEDERAL AND PROVINCIAL LEGISLATION. THE GEOTECHNICAL ENGINEER UNDER TH GUIDANCE OF A QUALIFIED PERSON, MUST DETERMINE IF ADDITIONAL SAMPLING (INCLUDING LEACHATE TESTING) IS REQUIRED TO MEET THE MINIMUM SAMPLING PROVISIONS UNDER O.REG. 406/19 (AS AMENDED).
- 4. EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST COMPLY WITH O.REG. 406/19. ALL SOIL HAULAGE RECORDS SHALL BE KEPT AND
- PROVIDED BY THE CONTRACTOR AND SUBMITTED TO THE 3. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED AT AN APPROVED DUMP SITE BY CONTRACTOR .

CROSSING TAE	BLE				
LOCATION	OVER / UNDER	T/G	OBVERT	INVERT	CLEARANCE (m)
\triangle	NEW WATERMAIN - EXISTING SANITARY	71.41	66.10 (SAN)	68.75 (WM)	2.65
<u>^2</u>	NEW WATERMAIN - EXISTING STORM SEWER	71.36	69.30 (STM)	69.60 (WM)	0.30

ICD SCHEDULE				
LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	INVERT ELEVATION (m)	FLOW RATE (lps)
CB-3	300	99	70.12	32.0
СВМН-3	450	94	70.00	32.8
СВМН-4	300	111	71.5	40.0
CBMH-5	300	117	70.78	46.90

WATER SERVICE TABLE

ID	DESCRIPTION	FINISHED GRADE (m)	T/O WATERMAIN (m)
1	BUILDING CONNECTION	73.30	70.90
2	EXISTING WATERMAIN STUB CONNECTION	72.52	70.10
3	45° HORIZONTAL BEND	72.68	70.10
4	45° HORIZONTAL BEND	72.58	70.10
(5)	45° HORIZONTAL BEND	72.78	70.10
6	TEE 150X150mm	72.74	70.10
7	SERVICE TEE	71.30	68.90
8	45° HORIZONTAL BEND	72.98	70.10
9	45° HORIZONTAL BEND	73.03	70.10
10	45° HORIZONTAL BEND	73.10	70.10
11)	45° HORIZONTAL BEND	73.12	70.10
12	45° HORIZONTAL BEND	72.67	70.10
13>	45° HORIZONTAL BEND	72.72	70.10
14>	45° HORIZONTAL BEND	72.80	70.10
	NOTE: PROVIDE MINIMUM 2.4m COVER OVER T/O WATE OTHERWISE PROVIDE THERMAL INSULATION HL4		

MANHOLE NO.	DESCRIPTION	ELEVATION	PIPE DIAMETER	OPSD No.	(CITY OF OTTAWA)
CB-1	600x600mm Catchbasin	72.00	N INV.: 70.54 - 300mmØ	705.010	S19
CB-2	600x600mm Catchbasin	72.61	N INV.: 70.61 - 300mmØ	705.010	S19
CB-3	600x600mm Catchbasin	72.75	W INV.: 70.77 - 300mmØ	705.010	S19
CB-4	600x600mm Catchbasin	73.40	W INV.: 71.49 - 300mmØ	705.010	S19
CBMH-1	1,200mmØ Manhole	72.40	S INV.: 70.51 - 300mmØ N INV.: 70.48 - 300mmØ	701.010	S25 / S28.1
CBMH-2	1,200mmØ Manhole	72.40	S INV.: 70.23 - 300mmØ N INV.: 70.20 - 375mmØ	701.010	S25 / S28.1
CBMH-3	1,200mmØ Manhole	72.40	S INV.: 69.89 - 375mmØ N INV.: 69.86 - 450mmØ	701.010	S25 / S28.1
CBMH-4	1,200mmØ Manhole	73.40	E INV.: 71.43 - 300mmØ S INV.: 71.40 - 300mmØ	701.010	S25 / S28.1
CBMH-5	1,200mmØ Manhole	72.75	E INV.: 70.71 - 300mmØ W INV.: 70.68 - 375mmØ	701.010	S25 / S28.1
CBMH-6	1,200mmØ Manhole	72.00	S INV.: 70.33 - 300mmØ E INV.: 70.44 - 150mmØ N INV.: 70.30 - 300mmØ	701.010	S25 / S28.1
CBMH-7	1,200mmØ Manhole	72.00	S INV.: 70.08 - 300mmØ N INV.: 71.00 - 150mmØ W INV.: 70.02 - 300mmØ	701.010	S25 / S28.1
SAMH-1	1,200mmØ Manhole	72.93	E INV.: 69.96 - 200mmØ W INV.: 66.80 - 200mmØ W INV.: 66.77 - 200mmØ	701.010 / 1003.010 DROP STRUCTURE TEE	S25 / S24
STMH-1	1,500mmØ Manhole	72.77	N INV.: 68.82 - 525mmØ E INV.: 69.97 - 250mmØ E INV.: 68.80 - 200mmØ W INV.: 68.76 - 600mmØ	701.011 / 1003.010 DROP STRUCTURE TEE	S25 / S24.1
STMH-2	1,500mmØ Manhole	73.15	N INV.: 70.50 - 375mmØ E INV.: 69.29 - 450mmØ S INV.: 69.23 - 525mmØ N INV.: 69.26 - 250mmØ	701.011 / 1003.010 DROP STRUCTURE TEE	S25 / S24.1
STMH-3	1,200mmØ Manhole	73.43	N INV.: 71.26 - 300mmØ E INV.: 70.64 - 375mmØ S INV.: 70.57 - 375mmØ N INV.: 70.67 - 250mmØ	701.010 / 1003.010 DROP STRUCTURE TEE	S25 / S24.1
STMH-4	1,500mmØ Manhole	72.88	E INV.: 69.79 - 300mmØ S INV.: 69.82 - 450mmØ W INV.: 69.76 - 450mmØ	701.011	S25 / S24.1

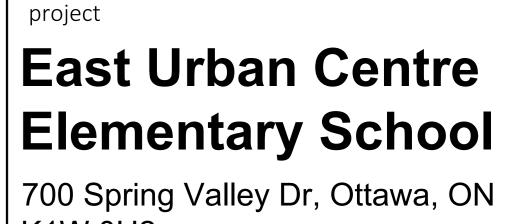
NEW STORM SEWER STRUCTURE SCHEDULE

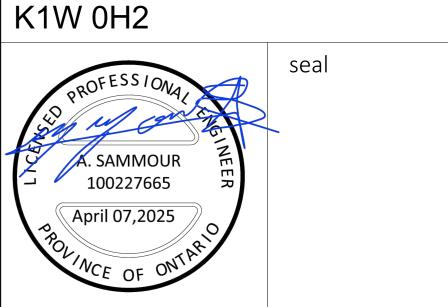
T/GRATE | INVERT ELEVATION /











a a a l a		
scale As Shown	drawn by R.Ismail	
date	checked by	
Sept. 2024	A.Sammour	
project number	drawing number	

BEFORE WORK COMMENCES.

DO NOT SCALE DRAWINGS.

PLAN#1925