AHamlin

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
- 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

OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF

- 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.

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,

Notes: Storm Sewer and Manholes

- 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.
- SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6. 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 CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S29, S30 AND S31. 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 STORM CBMH'S AS INDICATED IN TABLE WITH SUMP ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
- 0. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY

Parking Lot and Work in Public Rights of Way ** CONTRACTOR IS RESPONSIBLE FOR ALI 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 PERMANENT STORM WATER MANAGEMENT IS IN PLACE.
- THE EXISTING SITE IS DISTURBED AT THE PERIMETER. 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.

OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN

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.

ENOUGH FOR SEEDS TO GROW (LONGER THAN 30

- 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
- CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE 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. 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 PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION
- OF VEGETATIVE GROUND COVER. THE 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 APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY

ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE

POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING

CATHODIC PROTECTION REQUIRED FOR ALL IRON

HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES

ALL VALVES AND VALVE BOXES AND CHAMBERS,

ACCORDANCE WITH CITY STANDARDS.

Excess Soil And O.REG. 406/19

ENGINEER'S RECOMMENDATION.

8 IF WATER MAIN MUST BE DEELECTED TO MEET

FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.

SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD

FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY

ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION

USED IS LESS THAN HALF THAT RECOMMENDED BY THE

EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND

FOUNDATION, PAVED AREAS, SUBDRAINS AND SERVICE

TRENCHES. EXCESS MATERIAL REMOVAL FROM SITE SHALL FOLLOW THE GEOTECHNICAL AND ENVIRONMENTAL

PROVIDE GUIDANCE TO CONTRACTOR PRIOR TO DISPOSAL.

STOCKPILE AREA. EXCESS MATERIALS SHALL BE DISPOSED

IF CONTAMINATION HAZARDOUS MATERIAL IS SUSPECTED

DURING CONSTRUCTION (E.G. STAINING, ODOURS, ETC.),

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

4. EXCESS SOIL MANAGEMENT, TESTING AND DISPOSAL MUST

ALL SOIL HAULAGE RECORDS SHALL BE KEPT AND PROVIDED BY THE CONTRACTOR AND SUBMITTED TO THE

6. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED AT AN APPROVED DUMP SITE BY CONTRACTOR.

THE CONTRACTOR MUST NOTIFY THE PROPERTY OWNER(S)

DEBRIS LOCATED WITHIN THE PROPOSED BUILDING,

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

EROSION CONTROL MEASURE ARE TO BE APPLIED TO

AS PER THE REQUIREMENTS OF OPSS 180.

PROJECT LEADER PRIME CONSULTANT AND

UNDER O.REG. 406/19 (AS AMENDED).

COMPLY WITH O.REG. 406/19.

OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO

PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN

SPECIFICATIONS.

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

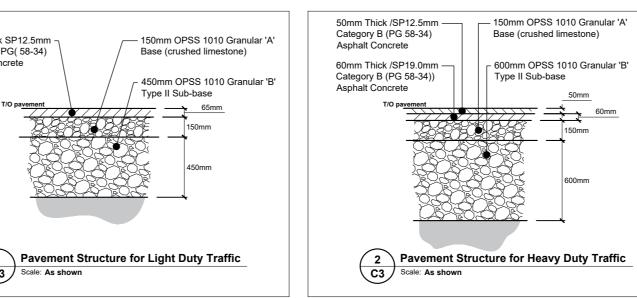
- CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR T . ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS 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 DRIVE AND JOSHUA STREET AND COMPENSATE THE

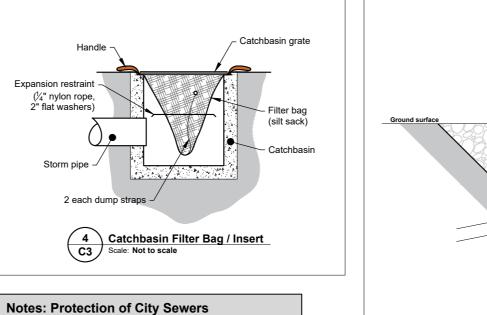
65mm Thick SP12.5mm ¬

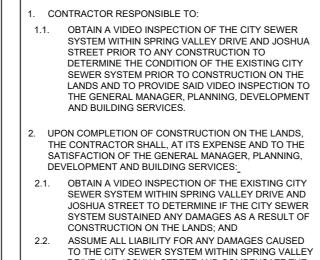
C3 Scale: As shown

Category B PG(58-34)

Asphalt Concrete







CITY FOR THE FULL AMOUNT OF ANY REQUIRED

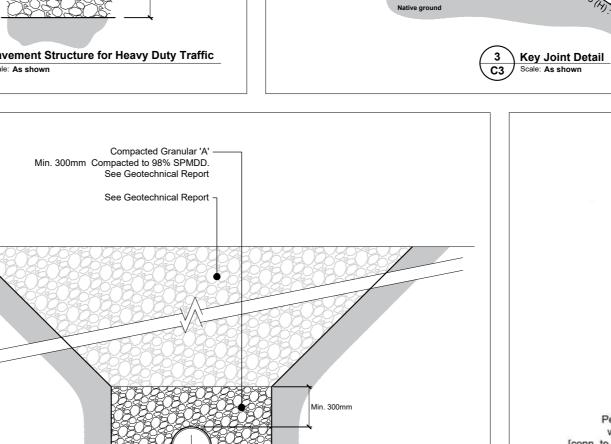
71.41

71.36

66.10 (SAN)

69.30 (STM)

REPAIRS TO THE CITY SEWER SYSTEM.



5 Standard Trench Detail
C3 Scale: As shown

CLEARANCE

(m)

2.65

0.30

68.75 (WM)

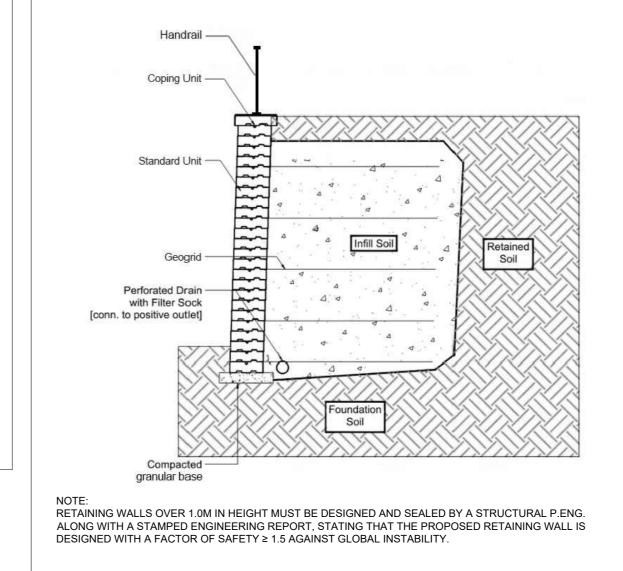
69.60 (WM)

Sawcut existing asphalt full depth

Existing asphalt –

Existing granulars —

50mm sawcut depth



6 Retaining Wall Detail
C3 Scale: As shown

FRAME

sub-base

– Milling (50mm) or as shown

Base course asphalt

Notes: Watermain	CROSSING TAE	BLE		
. ALL WATERMAIN AND WATERMAIN APPURTANANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND	LOCATION	OVER / UNDER	T/G	OBVERT
MINISTRY OF ENVIRONMENT STANDARDS AND	A	NEW WATERMAIN - EXISTING SANITARY	71.41	66.10 (SAN)

NEW WATERMAIN - EXISTING SANITARY

NEW WATERMAIN - EXISTING STORM SEWER

	AWWA SPECIFICATION C900.	723						
-	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	ICD SCHEDULE						
	CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED. THE WATERMAIN	LOCATION	PIPE SIZE (mm)	ICD SIZE (mm)	INVERT ELEVATION (m)	FLOW RATE (lps)		
	SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED. THERMAL INSULATION	CB-3	300	99	70.12	32.0		
	SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN	СВМН-3	450	94	70.00	32.8		
	OPEN STRUCTURE, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23. CONCRETE THRUST BLOCKS AND MECHANICAL	СВМН-4	300	111	71.5	40.0		
	RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER. IN ACCORDANCE	CBMH-5	300	117	70.78	46.90		
	WITH CITY OF OTTAWA STANDARDS W25.3 & W25.4.							

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

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 /

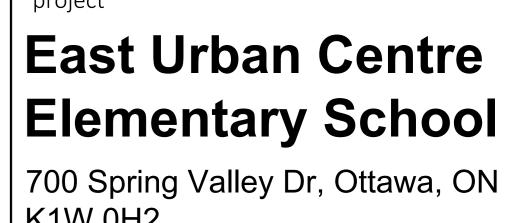






DESCRIPTION

YYYY-MM-DD





Schedule	es	
scale As Shown	drawn by R.Ismail	
date	checked by	
Sept. 2024	A.Sammour	
project number 24-828	drawing number	

PLAN#1925

DO NOT SCALE DRAWINGS.

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