

1. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS), ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), APPLICABLE CSA AND AWWA STANDARDS, THE MUNICIPALITY REQUIREMENTS, AND ALL APPLICABLE CODES, BY-LAWS AND REGULATIONS.
2. ALL WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, LANDSCAPE AND OTHER CONSULTANT DRAWINGS.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LIMITS, EXISTING CONDITIONS, AND THE LOCATION OF ALL ABOVEGROUND AND UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
4. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION, SUPPORT AND REINSTATEMENT OF ALL EXISTING SERVICES DISTURBED BY THE WORK.
5. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, ROAD OCCUPANCY PERMITS, ROAD CUT PERMITS, APPROVALS AND INSPECTIONS REQUIRED TO COMPLETE THE WORK.
6. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED TRAFFIC CONTROL IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL (OTM) AND MUNICIPAL REQUIREMENTS.
7. ALL EXISTING PAVEMENT, CURB, SIDEWALK, BOULEVARD, DRIVEWAY APRONS, UTILITIES AND OTHER FEATURES DISTURBED DURING CONSTRUCTION SHALL BE REINSTATE TO MATCH EXISTING CONDITIONS OR AS DIRECTED BY THE MUNICIPALITY.
8. ALL REMOVALS REQUIRED TO COMPLETE THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
10. ALL ELEVATIONS ARE GEODETIC.
11. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR UNFORESEEN SITE CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
12. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AN AS-CONSTRUCTED SURVEY PREPARED BY AN ONTARIO LAND SURVEYOR OR A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR SHOWING ALL MUNICIPAL SERVICES, STRUCTURE RIM ELEVATIONS, PIPE INVERTS AND FINISHED SURFACE GRADES.
13. ALL EARTHWORK, EXCAVATION, ENGINEERED FILL, COMPACTION, TRENCH BACKFILL, SUBGRADE PREPARATION AND PAVEMENT CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY TORONTO INSPECTION LTD., REPORT NO. 5559-22-GB, DATED NOVEMBER 9, 2022, UNLESS OTHERWISE PROVIDED BY THE GEOTECHNICAL ENGINEER.
14. ALL WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY SHALL BE COMPLETED IN ACCORDANCE WITH THE MUNICIPAL APPROVALS, PERMITS, AND THE APPLICABLE MUNICIPAL AND PROVINCIAL STANDARD SPECIFICATIONS.
15. ALL PAVEMENT REMOVALS SHALL BE SAWCUT TO PROVIDE CLEAN, STRAIGHT, FULL-DEPTH EDGES PRIOR TO EXCAVATION. ALL PAVEMENT RESTORATION SHALL BE COMPLETED IN ACCORDANCE WITH THE MUNICIPAL REQUIREMENTS AND TO THE SATISFACTION OF THE MUNICIPALITY.
16. THE CONTRACTOR SHALL RECORD THE HORIZONTAL AND VERTICAL LOCATION OF ALL UNDERGROUND WORKS FOR PREPARATION OF THE RECORD DRAWINGS.

1. CONSTRUCT ALL STORM AND SANITARY SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE LATEST APPLICABLE OPS&S MUNI SPECIFICATIONS, OPS&S STANDARD DRAWINGS, MUNICIPAL STANDARDS, AND CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY EXISTING SEWER AND UTILITY LOCATIONS, ELEVATIONS, AND TIE-IN CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
2. SEWER TRENCHES AND PIPE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF OPS&S 802.010 FOR FLEXIBLE PIPE INSTALLATIONS AND OPS&S 802.030 DRAWINGS FOR RIGID PIPE INSTALLATIONS. BEDDING, HAUNCHING, AND BACKFILL SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE OPS&S REQUIREMENTS AND GEOTECHNICAL RECOMMENDATIONS.
3. GRANULAR BEDDING AND COVER MATERIALS SHALL CONFORM TO OPS&S MUNI 1010 GRANULAR A UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH OPS&S REQUIREMENTS. GRANULAR MATERIALS SHALL BE PLACED IN MAXIMUM 300 MM LOOSE LIFTS AND COMPACTED TO A MINIMUM 95% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMD) UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL CONSULTANT.
4. PVC STORM SEWER PIPES AND CATCH BASIN LEADS SHALL BE PVC DR 35 CONFORMING TO CSA B182.2 AND OPS&S MUNI 184.1.
5. CONCRETE STORM AND SANITARY SEWER PIPES SHALL CONFORM TO THE REQUIREMENTS OF CSA A257.2/A257.3 AND OPS&S MUNI 1350, UNLESS OTHERWISE SPECIFIED ON THE CONTRACT DRAWINGS. CONCRETE PIPE JOINTS SHALL BE WATERIGHT AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE OPS&S STANDARDS.
6. PROVIDE WATERIGHT FLEXIBLE BOOT CONNECTIONS FOR ALL PVC AND CONCRETE SEWER CONNECTIONS TO MAINTENANCE HOLES AND STRUCTURES.
7. STORM CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH OPS&S 705.010 WITH FRAMES AND GRATES CONFORMING TO OPS&S 400.010, UNLESS OTHERWISE NOTED. CATCH BASINS SHALL HAVE A MINIMUM 600 MM SUMP BELOW OUTLET INVERT.
8. ALL SEWER PIPES AND STRUCTURES SHALL MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 2.0 M FROM EXISTING AND PROPOSED TREES, UTILITIES, AND UTILITY STRUCTURES, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
9. ALL MAINTENANCE HOLES SHALL BE 1200 MM DIAMETER IN ACCORDANCE WITH OPS&S 701.010 UNLESS OTHERWISE NOTED.
10. STORM MAINTENANCE HOLES SHALL HAVE A MINIMUM 300 MM SUMP BELOW THE LOWEST INVERT UNLESS OTHERWISE SPECIFIED.
11. SANITARY MAINTENANCE HOLES SHALL BE BENCHED IN ACCORDANCE WITH OPS&S 701.021.
12. STORM MAINTENANCE HOLE FRAMES AND COVERS SHALL CONFORM TO OPS&S 401.010 TYPE A. SANITARY MAINTENANCE HOLE FRAMES AND COVERS SHALL CONFORM TO OPS&S 401.010 TYPE A UNLESS OTHERWISE SPECIFIED.
13. UPON COMPLETION OF SEWER INSTALLATION, THE CONTRACTOR SHALL COMPLETE CCTV INSPECTION OF ALL NEWLY CONSTRUCTED SEWERS AND PROVIDE INSPECTION VIDEOS AND REPORTS TO THE ENGINEER. SEWERS SHALL BE MAINTAINED IN A CLEAN CONDITION UNTIL OWNER ACCEPTANCE.
14. COORDINATE WITH THE MECHANICAL CONTRACTOR TO COMPLETE DYE TESTING OF BUILDING STORM AND SANITARY SERVICE CONNECTIONS. DYE TESTING SHALL BE COMPLETED AND CERTIFIED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR TO CONFIRM THAT NO CROSS-CONNECTIONS EXIST.
15. ALL PROPOSED SERVICES AND ASSOCIATED SEWER STRUCTURES LOCATED WITHIN THE MUNICIPAL RIGHT-OF-WAY SHALL BE COMMANEED MUNICIPAL INFRASTRUCTURE UPON COMPLETION AND ACCEPTANCE BY THE MUNICIPALITY.

Notes:

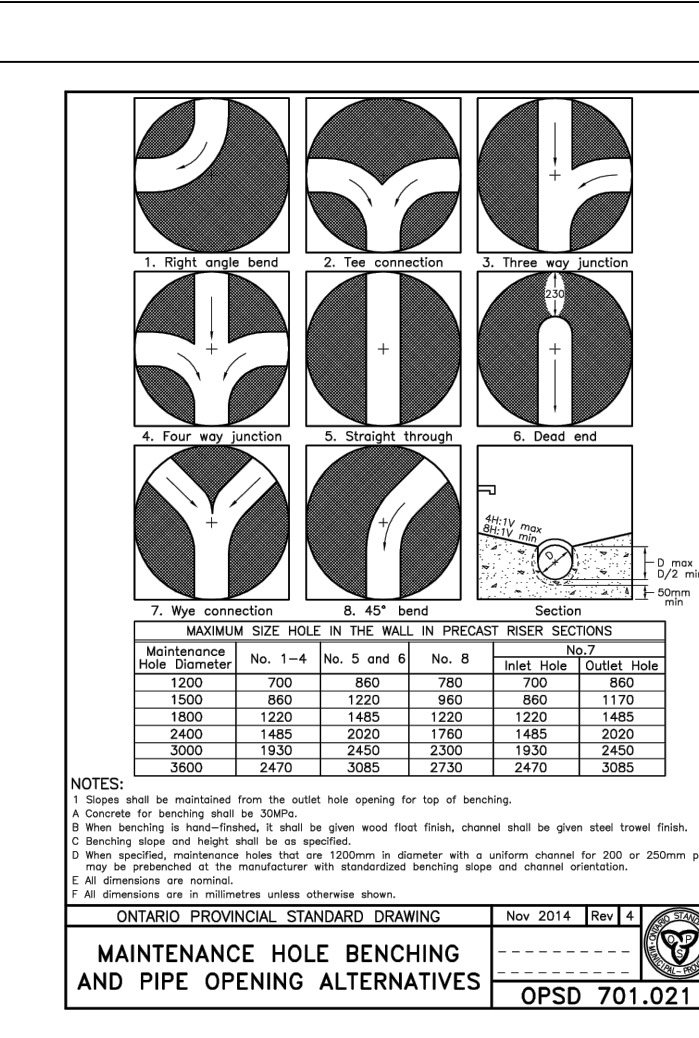
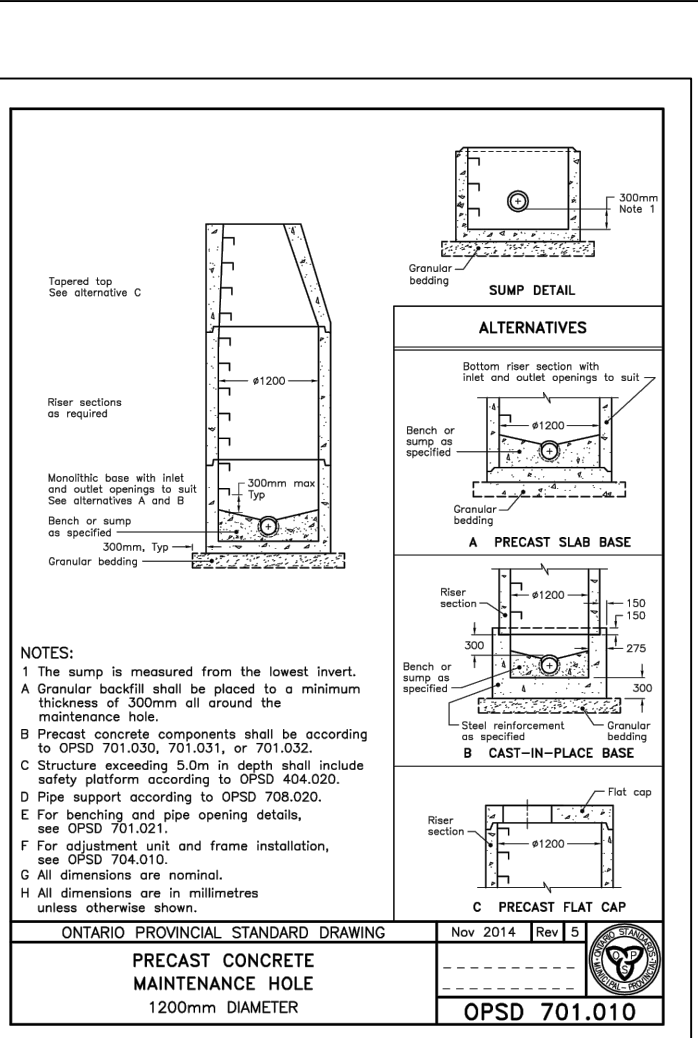
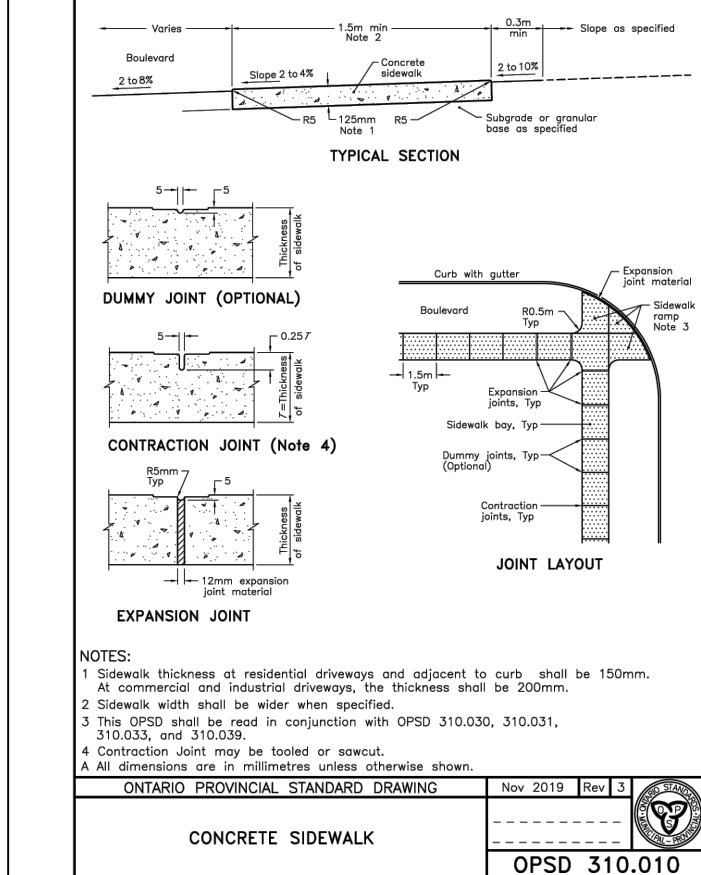
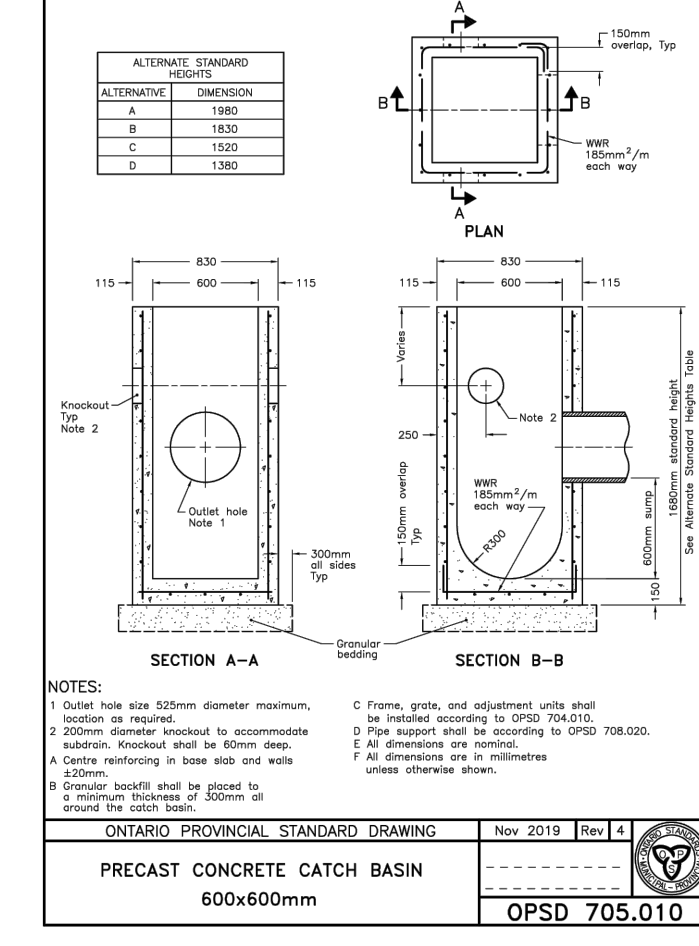
- When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
- For sloping procedure a 90° batter is acceptable.
- Treatment at entrances shall be according to OPSD 310.015.
- Other treatment shall be according to the OPSD 610 Series.
- The transition from one curb type to another shall be:
 - Entrance length of 2.00m, except for contraction with side rail where it shall be according to the OPSD 600 Series.
 - All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev. 0
CONCRETE BARRIER CURB		
		
OPSD 600.110		

Notes:

- Where sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
- For sloping procedure a 90° batter is acceptable.
- Treatment at entrances shall be according to OPSD 310.015.
- Other treatment shall be according to the OPSD 610 Series.
- The transition from one curb type to another shall be:
 - Entrance length of 2.00m, except for contraction with side rail where it shall be according to the OPSD 600 Series.
 - All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev. 0
CONCRETE SIDEWALK		
		
OPSD 310.010		



PAVEMENT STRUCTURE		HEAVY DUTY MATERIAL'S FIRE ROUTES	LIGHT DUTY PARKING
ASPHALTIC CONCRETE	OPSS HL3 OR EQUIVALENT	40mm	65mm
	OPSS HL8 OR EQUIVALENT	60mm	
BASE	OPSS GRANULAR A OR 20mm CRUSHER-RUN	150mm	150mm
SUB-BASE	OPSS GRANULAR B OR 50mm CRUSHER-RUN	300mm	200mm

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATION, SIZE, AND MATERIAL OF THE EXISTING WATERMAIN WITHIN OTTAWA STREET. THE CONTRACTOR SHALL SUBMIT A DETAILED WATERMAIN CONNECTION PLAN TO THE ENGINEER AND MUNICIPALITY FOR REVIEW AND APPROVAL PRIOR TO ORDERING FITTINGS. THE SUBMISSION SHALL INCLUDE PROPOSED FITTINGS, RESTRAINTS, SHUTDOWN REQUIREMENTS, SEQUENCING, AND DISINFECTION PROCEDURES.
2. WATERMAIN INSTALLATION, TESTING, COMMISSIONING, AND DISINFECTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF OPSS MUNI 441, OPSS MUNI 442, AWWA C651, AWWA C900, AND MUNICIPAL STANDARDS.
3. CONTRACTOR SHALL COORDINATE ALL WATERMAIN SHUTDOWNS AND SERVICE INTERRUPTIONS WITH THE MUNICIPALITY AND AFFECTED PROPERTY OWNERS. WRITTEN NOTIFICATION SHALL BE PROVIDED A MINIMUM OF TWO WEEKS PRIOR TO ANY PLANNED DISRUPTION. NO WORK AFFECTING MUNICIPAL WATER SERVICES SHALL PROCEED WITHOUT WRITTEN APPROVAL FROM THE MUNICIPALITY.
4. TEMPORARY POTABLE WATER SERVICES, WHERE REQUIRED, SHALL BE PROVIDED IN ACCORDANCE WITH OPSS MUNI 493 AND MUNICIPAL REQUIREMENTS. WATERMAIN, VALVES, HYDRANTS, AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH OPSS MUNI 441 AND APPLICABLE MUNICIPAL STANDARDS.
5. WATERMAIN SHALL MAINTAIN A MINIMUM COVER OF 2.40 M UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY OR ENGINEER.
6. PVC WATERMAIN PIPE SHALL BE CSA CERTIFIED AWWA C900 DR18 PVC PRESSURE PIPE UNLESS OTHERWISE SPECIFIED.
7. GATE VALVES SHALL CONFORM TO AWWA C509 AND MUNICIPAL STANDARDS.
8. VALVE BOXES SHALL BE APPROVED MUNICIPAL SLIDE-TYPE VALVE BOXES COMPLETE WITH CAST IRON COVERS.
9. CORROSION PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH OPSD 1109.011 AND OPSS MUNI 442 WHERE APPLICABLE.
10. CONTINUOUS TRACER WIRE SHALL BE INSTALLED ALONG ALL NON-METALLIC WATERMAINS. TRACER WIRE SHALL BE CONTINUOUS, SECURELY FASTENED TO THE PIPE, AND TERMINATED AT VALVE BOXES IN ACCORDANCE WITH MUNICIPAL STANDARDS.
11. CONNECTION TO THE EXISTING 250 MM WATERMAIN WITHIN OTTAWA STREET SHALL BE COORDINATED WITH THE ENGINEER AND MUNICIPALITY. CONTRACTOR SHALL SUPPLY ALL REQUIRED FITTINGS, MATERIALS, EQUIPMENT, AND LABOUR REQUIRED TO COMPLETE THE CONNECTION. MUNICIPAL VALVES SHALL ONLY BE OPERATED BY AUTHORIZED MUNICIPAL PERSONNEL.
12. WATERMAIN PRESSURE TESTING, LEAKAGE TESTING, FLUSHING, CHLORINATION, AND BACTERIOLOGICAL TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS MUNI 441, AWWA C651, AND MUNICIPAL STANDARDS PRIOR TO PLACING THE SYSTEM INTO SERVICE.
13. CONTRACTOR SHALL BACKFILL WATERMAIN TRENCHES USING APPROVED MATERIAL. BACKFILL SHALL BE PLACED IN MAXIMUM 300 MM LIFTS AND COMPACTED IN ACCORDANCE WITH OPSS MUNI 501 AND GEOTECHNICAL REQUIREMENTS.
14. MAINTAIN MINIMUM VERTICAL CLEARANCES BETWEEN WATERMAIN, SANITARY SEWER, STORM SEWER, AND OTHER UTILITIES IN ACCORDANCE WITH THE LATEST MCEP DESIGN GUIDELINES FOR DRINKING-WATER SYSTEMS, MUNICIPAL STANDARDS, AND OPSD REQUIREMENTS.
15. WHERE A WATERMAIN CROSSES OVER OR UNDER A SANITARY OR STORM SEWER, PROVIDE A MINIMUM 0.5 M VERTICAL SEPARATION BETWEEN OUTSIDE EDGES OF PIPES UNLESS OTHERWISE APPROVED BY THE ENGINEER AND MUNICIPALITY.
16. WHERE MINIMUM SEPARATION CANNOT BE ACHIEVED, PROVIDE ADDITIONAL PROTECTION MEASURES INCLUDING CONCRETE ENCASEMENT OR APPROVED PIPE MATERIAL UPGRADES AS DIRECTED BY THE ENGINEER AND MUNICIPALITY.

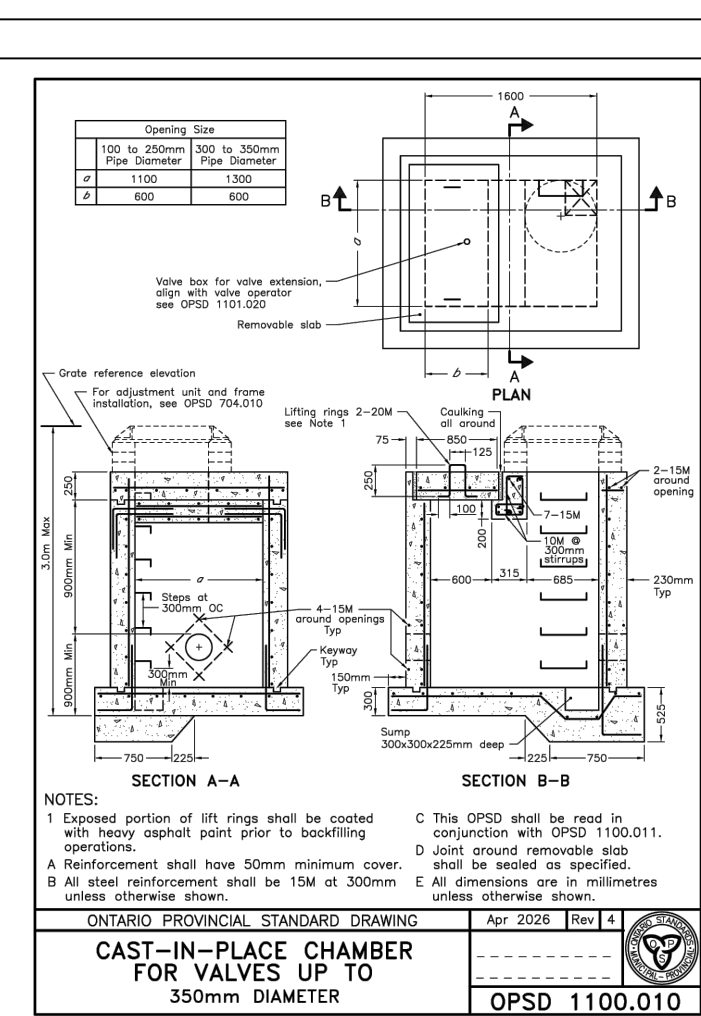
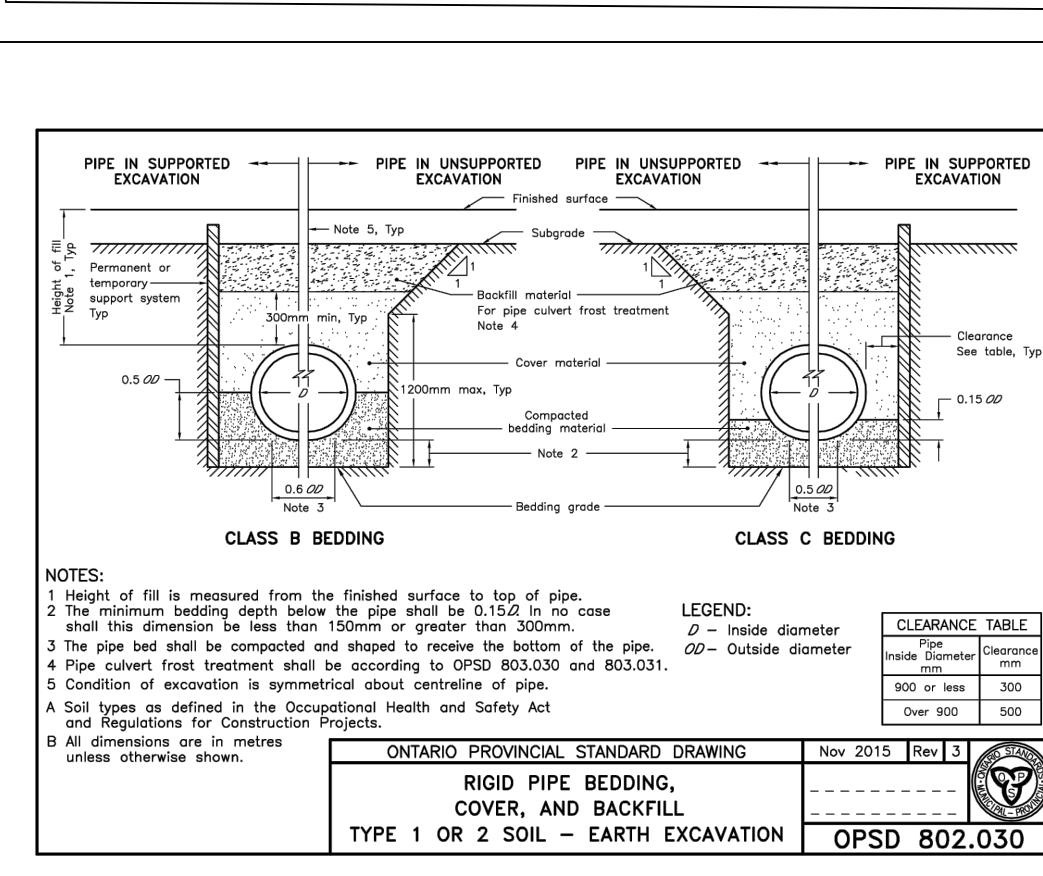
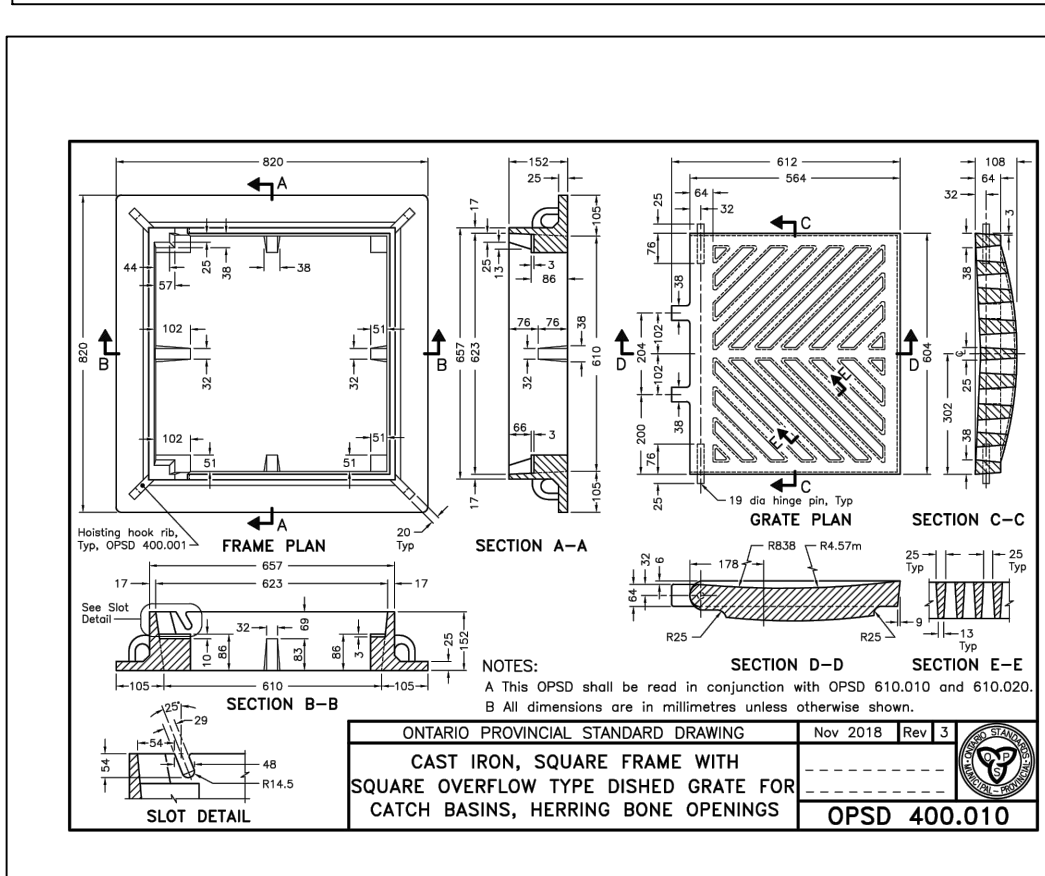
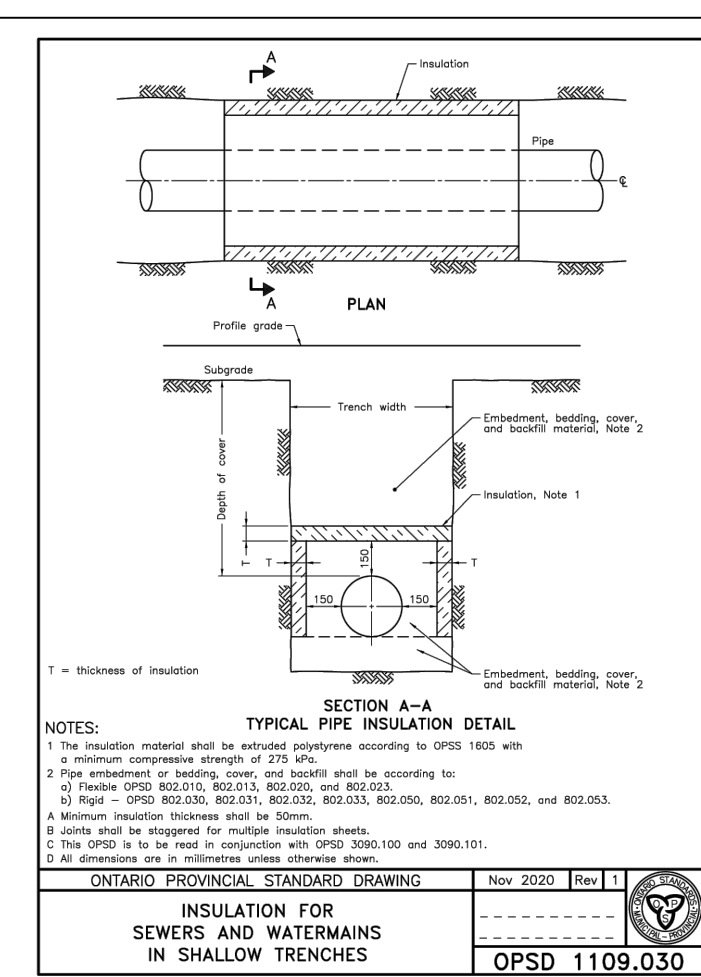
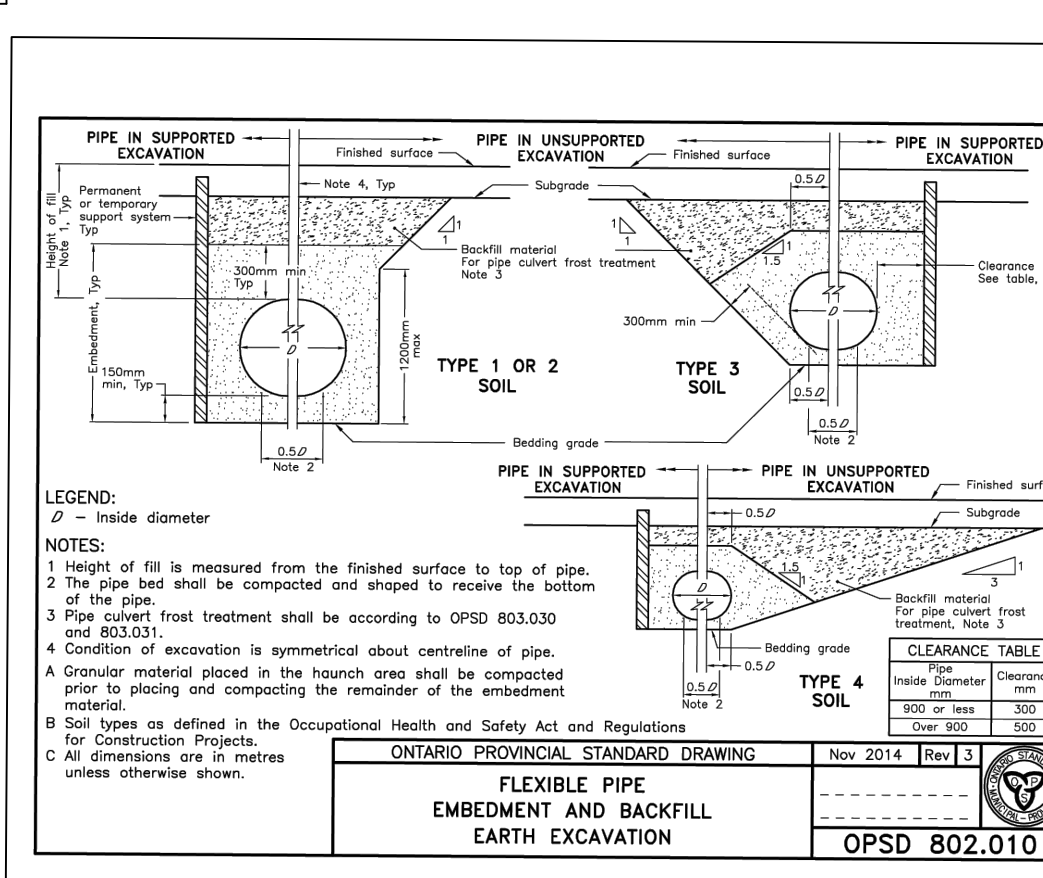
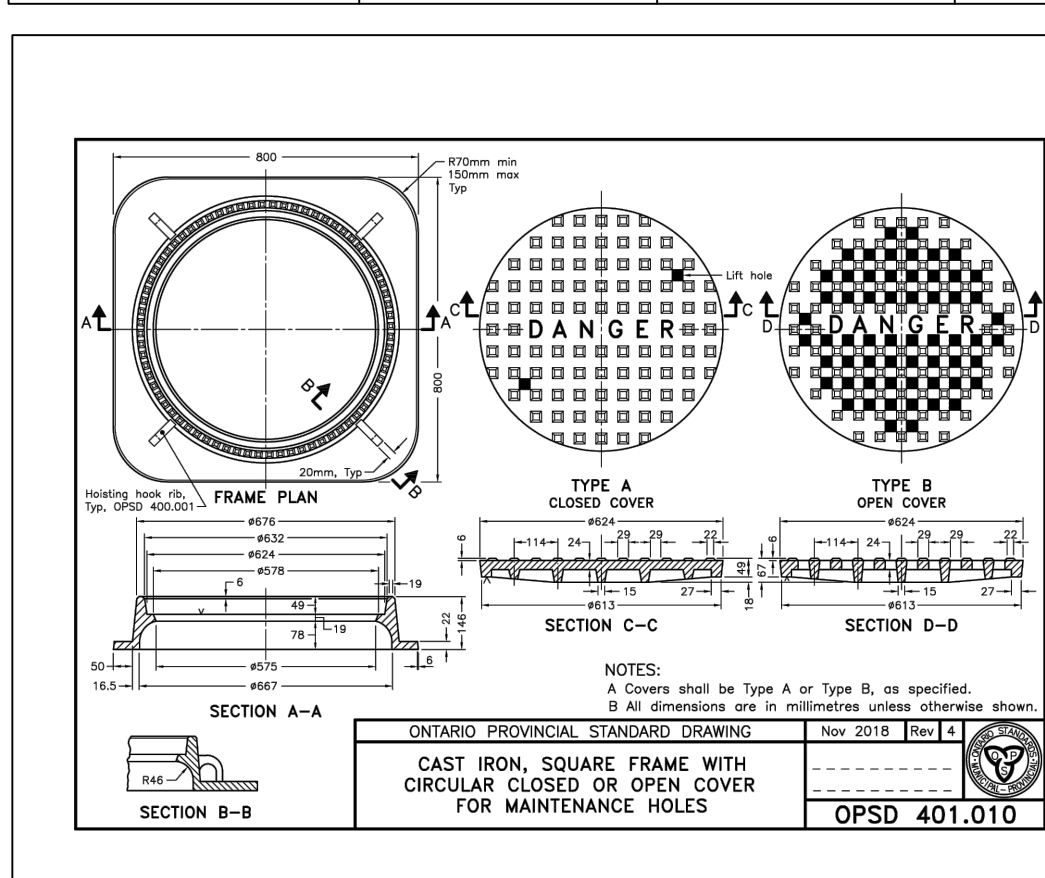
* CONTRACTOR IS RESPONSIBLE FOR: ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES. "

1. PRIOR TO START OF CONSTRUCTION:

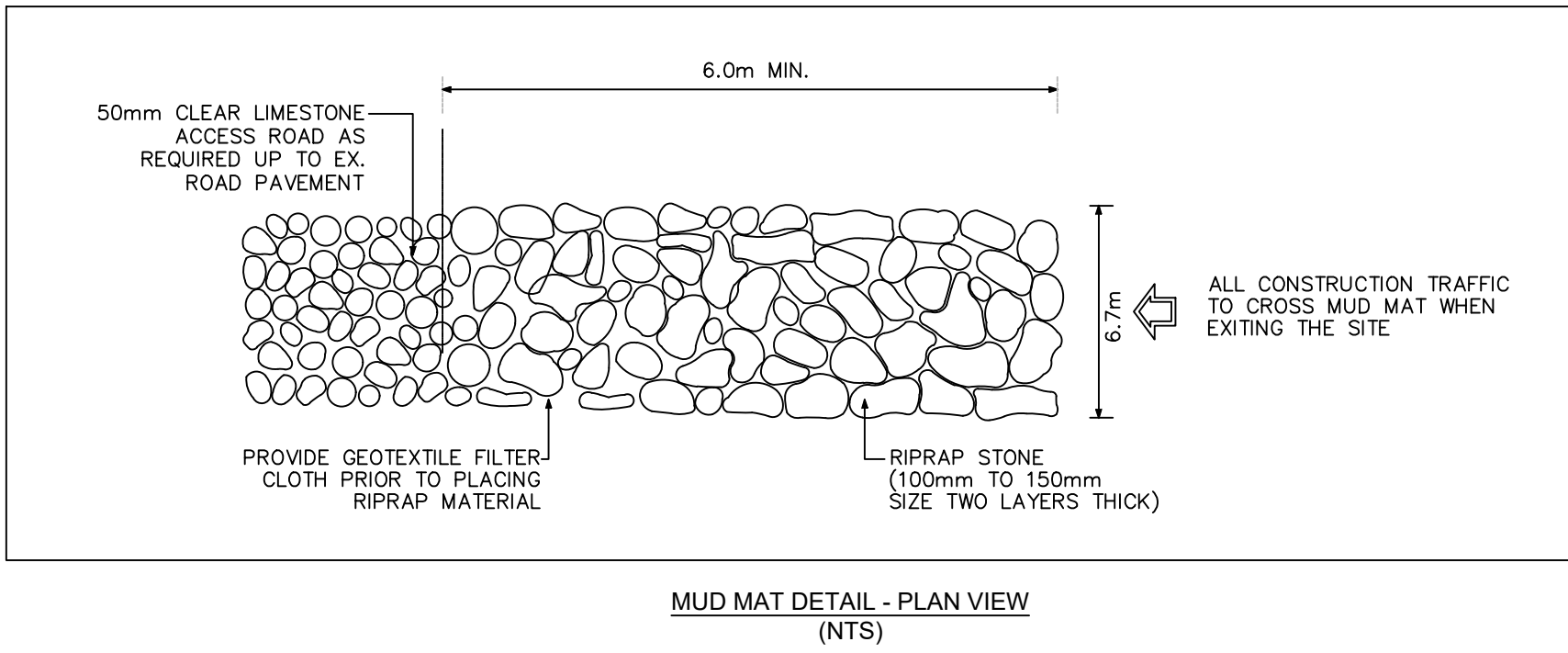
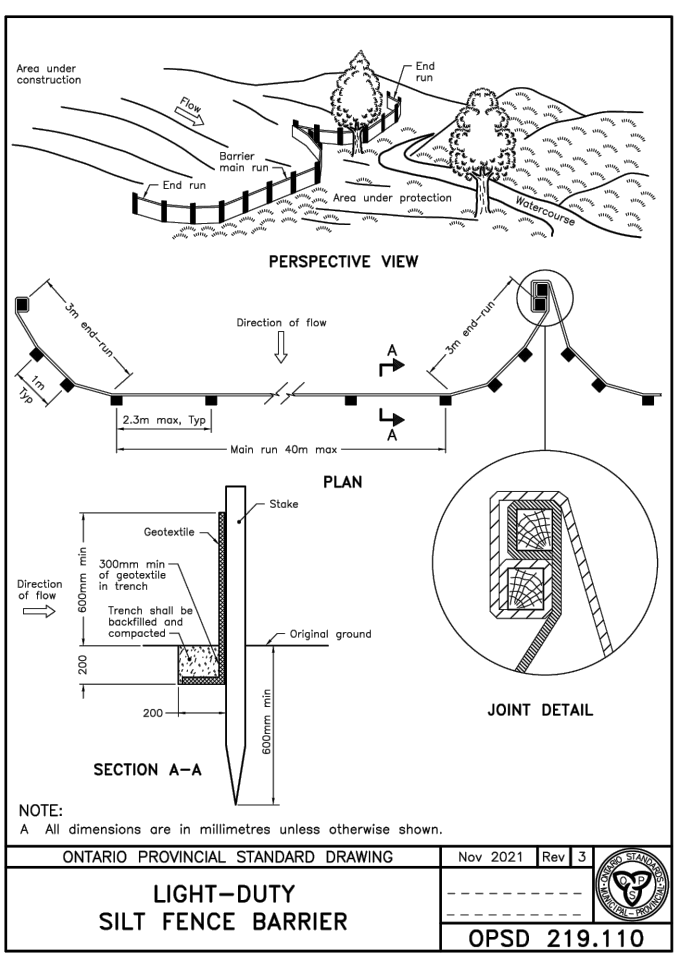
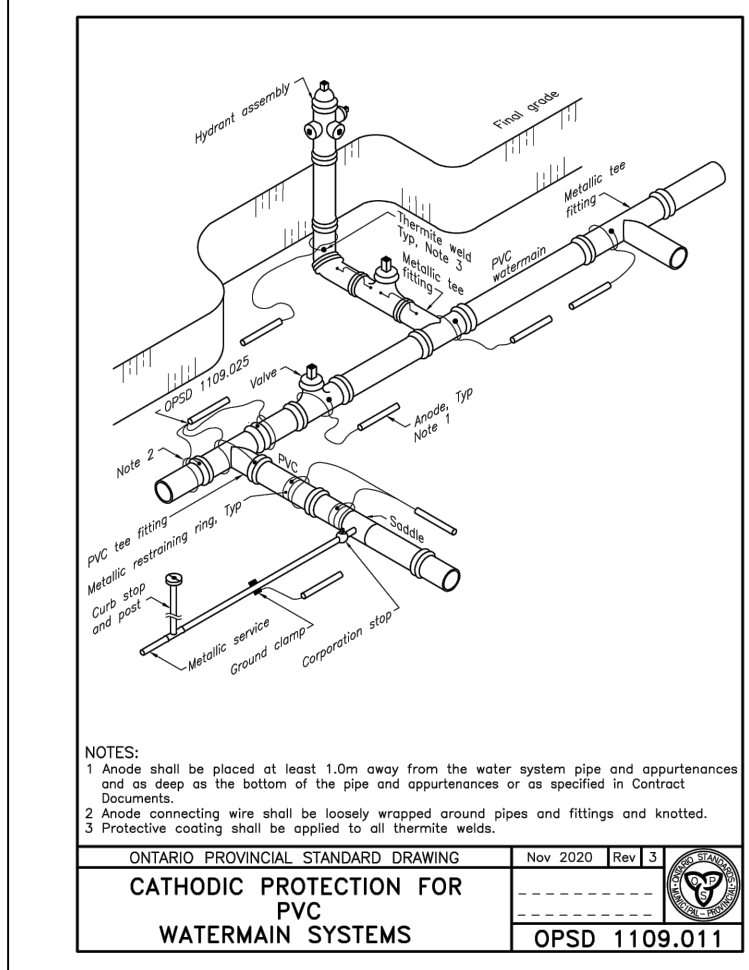
- 1.1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AT THE LOCATIONS SHOWN ON THE DRAWING (C08) PRIOR TO COMMENCING ANY EARTHWORKS OR VEGETATION REMOVAL.
- 1.2. INSTALL SEDIMENT CONTROL DEVICES (FILTER FABRIC, SEDIMENT BAGS OR APPROVED EQUIVALENT) WITHIN ALL EXISTING AND PROPOSED CATCH BASINS AND MAINTENANCE HOLES RECEIVING RUNOFF DURING CONSTRUCTION.
- 1.3. INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES IMMEDIATELY FOLLOWING INSTALLATION AND REPAIR OR REPLACE ANY DEFICIENT MEASURES PRIOR TO COMMENCING CONSTRUCTION.
- 1.4. DELINEATE ALL LIMITS OF DISTURBANCE PRIOR TO COMMENCING SITE WORKS.

2. DURING CONSTRUCTION:

- 2.1. MINIMIZE THE EXTENT AND DURATION OF DISTURBED AREAS AT ALL TIMES.
- 2.2. PRESERVE EXISTING VEGETATION OUTSIDE THE APPROVED LIMITS OF DISTURBANCE WHEREVER POSSIBLE.
- 2.3. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS CONSTRUCTION PROGRESSES AND MODIFY THEM AS REQUIRED TO SUIT CHANGING SITE CONDITIONS.
- 2.4. PROVIDE TEMPORARY STABILIZATION (SEED, MULCH, EROSION CONTROL BLANKET OR OTHER APPROVED MEASURES) ON DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR MORE THAN 30 DAYS.
- 2.5. INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS FOLLOWING EVERY RAINFALL EVENT CAPABLE OF PRODUCING RUNOFF. REPAIR OR REPLACE DAMAGED MEASURES IMMEDIATELY AND REMOVE ACCUMULATED SEDIMENT WHEN REQUIRED.
- 2.6. MAINTAIN SEDIMENT CONTROL DEVICES WITHIN CATCH BASINS AND MAINTENANCE HOLES THROUGHOUT CONSTRUCTION AND REPLACE AS NECESSARY.
- 2.7. INSTALL EROSION CONTROL FENCING AROUND ALL SOI STOCKPILES WHERE SEDIMENT MIGRATION MAY OCCUR.
- 2.8. LOCATE STOCKPILES AWAY FROM DRAINAGE COURSES, CATCH BASINS, MUNICIPAL ROADS AND SIDEWALKS. STABILIZE STOCKPILES THAT REMAIN IN PLACE FOR MORE THAN 30 DAYS USING TEMPORARY SEEDING, MULCH OR OTHER APPROVED METHODS.
- 2.9. CONTROL DUST GENERATED BY CONSTRUCTION ACTIVITIES USING WATER OR OTHER APPROVED DUST SUPPRESSION METHODS AS NECESSARY.
- 2.10. KEEP ALL MUNICIPAL ROADS, SIDEWALKS AND ADJACENT PROPERTIES FREE OF MUD, SEDIMENT AND CONSTRUCTION DEBRIS RESULTING FROM CONSTRUCTION ACTIVITIES.
- 2.11. REMOVE MUD, SEDIMENT AND OTHER MATERIALS TRACKED ONTO PUBLIC ROADS IMMEDIATELY USING MECHANICAL SWEEPING OR OTHER APPROVED METHODS. SEDIMENT SHALL NOT BE WASHED INTO CATCH BASINS OR STORM SEWERS.
- 2.12. IMPLEMENT STABILIZED CONSTRUCTION ACCESS OR OTHER SUITABLE MEASURES AS NECESSARY TO MINIMIZE TRACKING OF SEDIMENT ONTO ADJACENT ROADS.
- 2.13. CONSTRUCTION MATERIALS, WASTE AND DEBRIS SHALL BE STORED AND MANAGED TO PREVENT MIGRATION FROM THE SITE.
- 2.14. MODIFY EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED THROUGHOUT CONSTRUCTION TO MAINTAIN THEIR EFFECTIVENESS.
- 2.15. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH PAVEMENT, TOPSOIL AND SEED, SOD, LANDSCAPING OR OTHER APPROVED SURFACE TREATMENT.
- 2.16. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION TO PREVENT SEDIMENT-LADEN RUNOFF FROM ENTERING MUNICIPAL INFRASTRUCTURE, WATERCOURSES OR ADJACENT PROPERTIES AND SHALL COMPLY WITH ALL APPLICABLE ENVIRONMENTAL LEGISLATION AND PERMIT REQUIREMENTS.



	N 			
KEY PLAN				
REVISION:				
Q	2026/07/27	ISSUED FOR SITE PLAN APPROVAL		I.J.
REV	DATE	DESCRIPTION		BY
SEAL: 				
DISCLAIMER: THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY WSP. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. COPYRIGHT: I.J.				
ORIGINAL SCALE: NOT TO SCALE		DATE: 2026-07-27		
DESIGNED BY: D.M.		IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm		
ASSISTED BY: —				
DRAWN BY: D.M.				
MODIFIED BY: I.J.				
APPROVED BY: —				
DISCIPLINE: CIVIL				
WSP Canada Inc. 2611 Queensview Drive, Suite 300 Ottawa, Ontario K2B 8K2 T 613-829-28-00 www.wsp.com				
PROJECT NUMBER: 221-06853-00				
CLIENT: ELM DEVELOPMENTS				
CLIENT REF.# : --				
PROJECT: 430 OTTAWA STREET ALMONTE, ONTARIO				
TITLE: PHASE 2 NOTES & DETAILS				
DRAWING NUMBER: C01		REV.: 0		



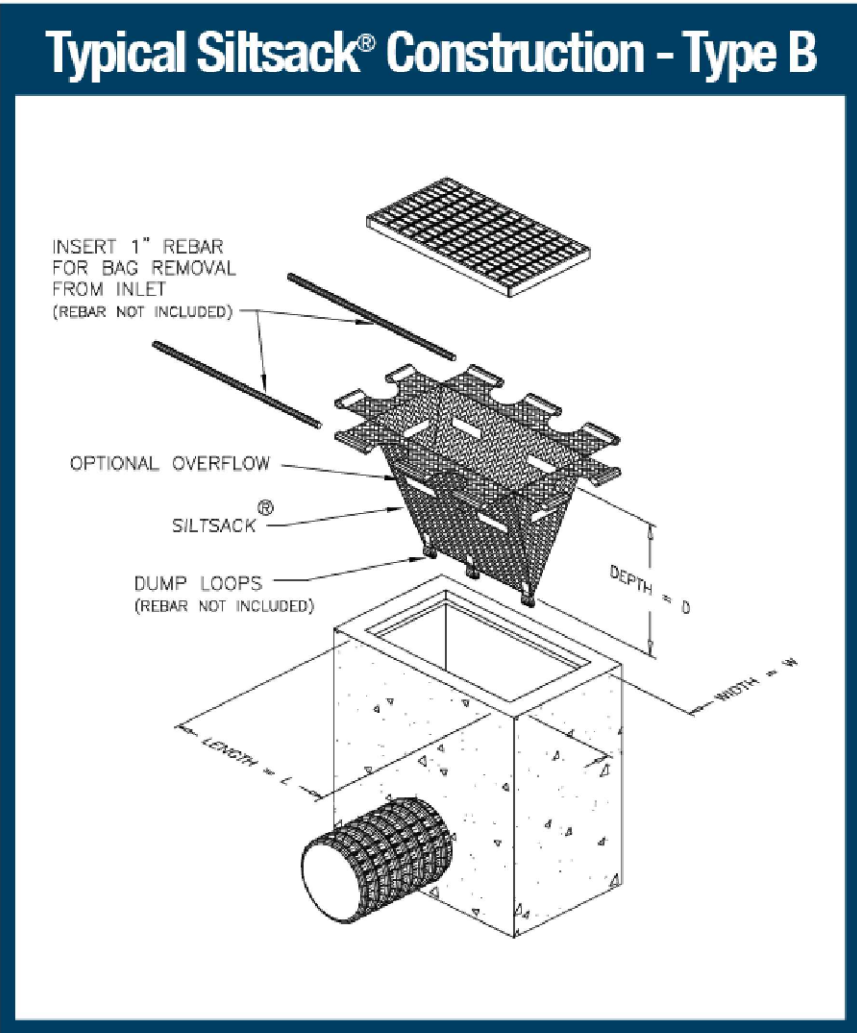
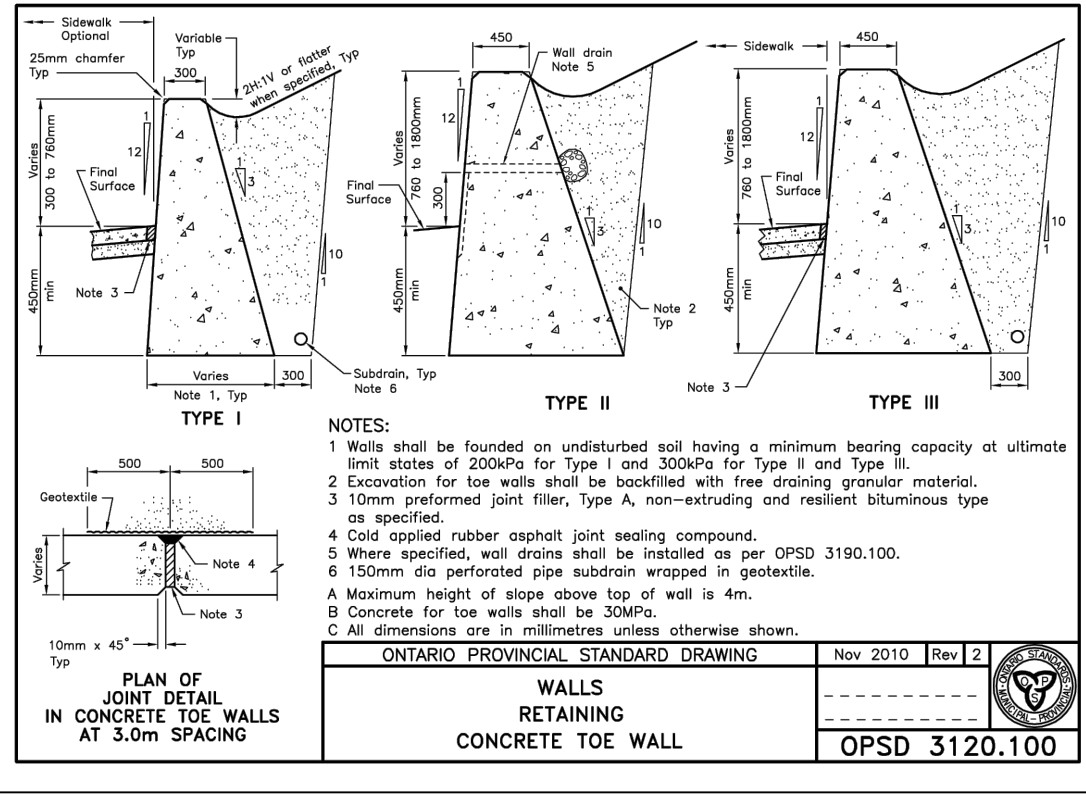
SANITARY MAINTENANCE HOLE DATA						
NO.	COVER	STRUCTURE	T/GRATE	INVERTS	NORTHING	EASTING
SANMH 01	OPSD 401.010 A	1200mm Diameter	140.73	137.98 NW 137.96 SE	5009811.70	407115.23

STORM MAINTENANCE HOLE DATA						
NO.	COVER	STRUCTURE	T/GRATE	INVERTS	NORTHING	EASTING
CB 01	OPSD 400.010	OPSD 705.010 600X600mm	141.45	140.05 SE	5009894.00	407083.6373
CB 02	OPSD 400.010	OPSD 705.010 600X600mm	141.47	140.07 SE	5009874.01	407062.5135
CB 03	OPSD 400.010	OPSD 705.010 600X600mm	141.43	140.03 SE	5009860.24	407037.3211
CB 04	OPSD 400.010	OPSD 705.010 600X600mm	141.11	139.33 E	5009820.47	407010.8884
CB 05	OPSD 400.010	OPSD 705.010 600X600mm	140.53	139.13 NE	5009783.68	407046.9993
CB 06	OPSD 400.010	OPSD 705.010 600X600mm	140.62	139.22 NW	5009788.52	407081.1578
CB 12	OPSD 400.010	OPSD 705.010 600X600mm	140.15	139.15 SW	5009823.64	407116.0619
CB 13	OPSD 400.010	OPSD 705.010 600X600mm	141.36	139.96 SW	5009861.54	407195.9257
CB 14	OPSD 400.010	OPSD 705.010 600X600mm	141.50	140.10 SW	5009879.99	407178.4503
CB 15	OPSD 400.010	OPSD 705.010 600X600mm	141.50	140.10 SW	5009899.54	407159.9635
CB 16	OPSD 400.010	OPSD 705.010 600X600mm	141.42	139.64 SE	5009930.14	407125.3081
EX STMMH 02	OPSD 401.010 TYPE A	OPSD 701.010 1500mm Dia.	140.65	138.38 NW 138.94 NE 138.30 SE	5009798.18	407118.5044
EX STMMH 03	OPSD 401.010 TYPE A	OPSD 701.010 1500mm Dia.	140.38	138.20 NW 138.28 SW 138.05 SE	5009768.42	407138.3181
FOUNDATION DRAIN				138.81 SE	5009837.55	407097.9680
ROOF DRAIN				139.02 SE	5009835.44	407095.7580
STMMH 01A	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	141.76	139.84 NW 139.55 SW	5009886.21	407090.9982
STMMH 01B	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	141.48	139.06 NE 139.24 W 139.06 SE	5009819.48	407020.4383
STMMH 01C	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	140.77	138.80 NW 138.73 NE	5009782.28	407055.6045
STMMH 01D	OPSD 401.010 TYPE A	OPSD 701.010 1500mm Dia.	141.37	138.55 SW 138.70 NW 138.47 SE	5009821.22	407103.0037
STMMH 05	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	141.28	139.23 NW	5009823.42	407215.8026

STORM MAINTENANCE HOLE DATA						
NO.	COVER	STRUCTURE	T/GRATE	INVERTS	NORTHING	EASTING
STMMH 06	OPSD 401.010 TYPE A	OPSD 701.010 1500mm Dia.	141.58	139.15 NW 139.15 SE 139.80 NE 139.08 SW	5009855.04	407191.4266
STMMH 07	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	141.66	139.51 NW 139.28 SE	5009918.29	407131.6090
STMMH 08	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	138.91	138.53 NW 138.62 SE	5009814.54	407115.2841
STMMH 09	OPSD 401.010 TYPE A	OPSD 701.010 1200mm Dia.	140.31	138.32 NW 138.29 SW	5009760.43	407151.6705

WATERMAIN TABLE				
CHAINAGE	COVER	DESCRIPTION	FINISHED GRADE	T/WM
0+000.00	2.4m	CONNECTION TO PHASE 1 WM	140.60	138.20
0+005.47	2.4m	TEE CONNECT TO PROPOSED 200Ø WM	140.59	138.19
0+019.02	2.4m	TEE CONNECT TO BUILDING SERVICE	141.02	138.62
0+020.52	2.4m	TEE CONNECT TO BUILDING SERVICE	141.07	138.67
0+022.50	2.4m	VALVE AND VALVE BOX	141.15	138.75

WATERMAIN TABLE				
CHAINAGE	COVER	DESCRIPTION	FINISHED GRADE	T/WM
0+005.47	2.4m	CONNECTION TO PROPOSED 200mmØ WM	140.59	138.19
0+007.47	2.4m	VALVE AND VALE BOX	140.58	138.18
0+015.23	3.0m	CROSSING 525mmØ STORM	140.71	137.64
0+020.05	3.0m	CROSSING 200mmØ SAN	140.71	137.64
0+021.68	3.0m	CROSSING 300mmØ STORM	140.71	137.64
0+050.00	2.4m		140.64	138.24
0+094.32	2.4m	45° HORIZONTAL BEND	140.65	138.25
0+105.59	2.4m	TEE CONNECT TO PROPOSED HYD LEAD	141.15	138.75
0+110.69	2.4m	45° HORIZONTAL BEND	141.65	139.25
0+126.29	2.4m	VALVE AND VALVE BOX	141.38	138.98
0+149.71	2.4m	CROSSING EX 200mmØ SAN	140.37	137.97
0+150.00	2.4m		140.37	137.97
0+163.17	2.4m	CROSSING EX 750mmØ STM	140.50	138.10
0+178.49	2.4m	VALVE AND VALVE BOX	140.60	138.20
0+181.5	2.4m	CONNECT TO EXISTING 250mmØ WM	140.60	138.20



KEY PLAN

REVISION:

REV	DATE	DESCRIPTION	BY
0	2026/07/27	ISSUED FOR SITE PLAN APPROVAL	I.J.

SEAL:

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ORIGINAL SCALE:
NOT TO SCALE

DATE:
2026-07-27

DESIGNED BY:
D.M.

ASSISTED BY:
--

DRAWN BY:
D.M.

MODIFIED BY:
I.J.

APPROVED BY:
--

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.

25mm

DISCIPLINE:
CIVIL

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PROJECT NUMBER: 221-06853-00

CLIENT:

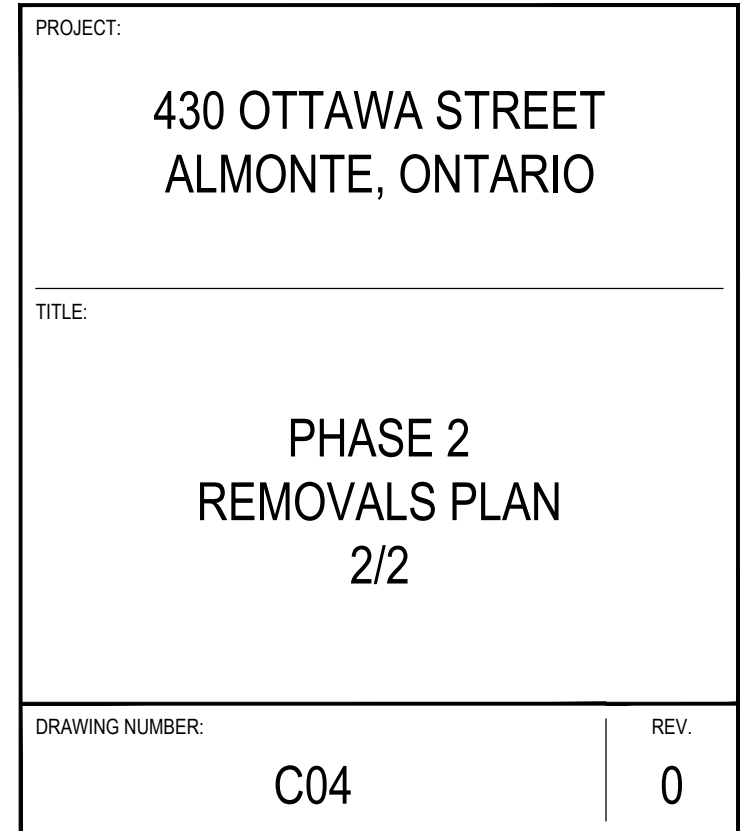
CLIENT REF. #: --

PROJECT:
430 OTTAWA STREET
ALMONTE, ONTARIO

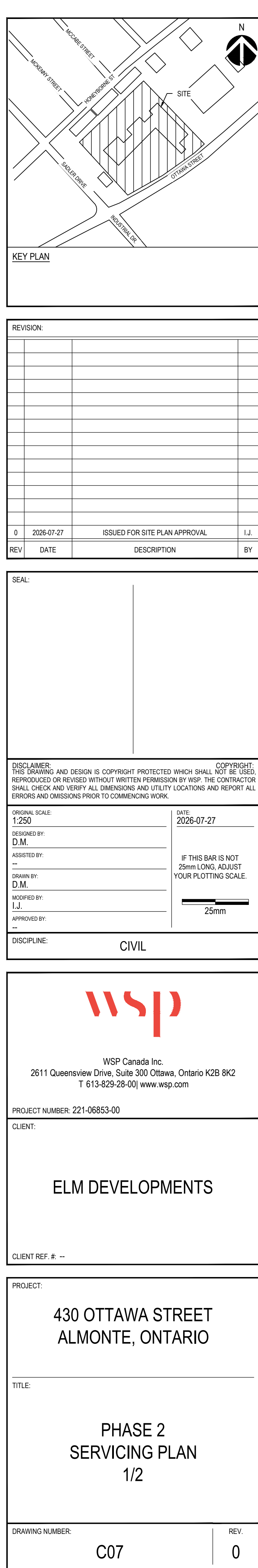
TITLE:
PHASE 2
NOTES & DETAILS
2/2

DRAWING NUMBER:
C02

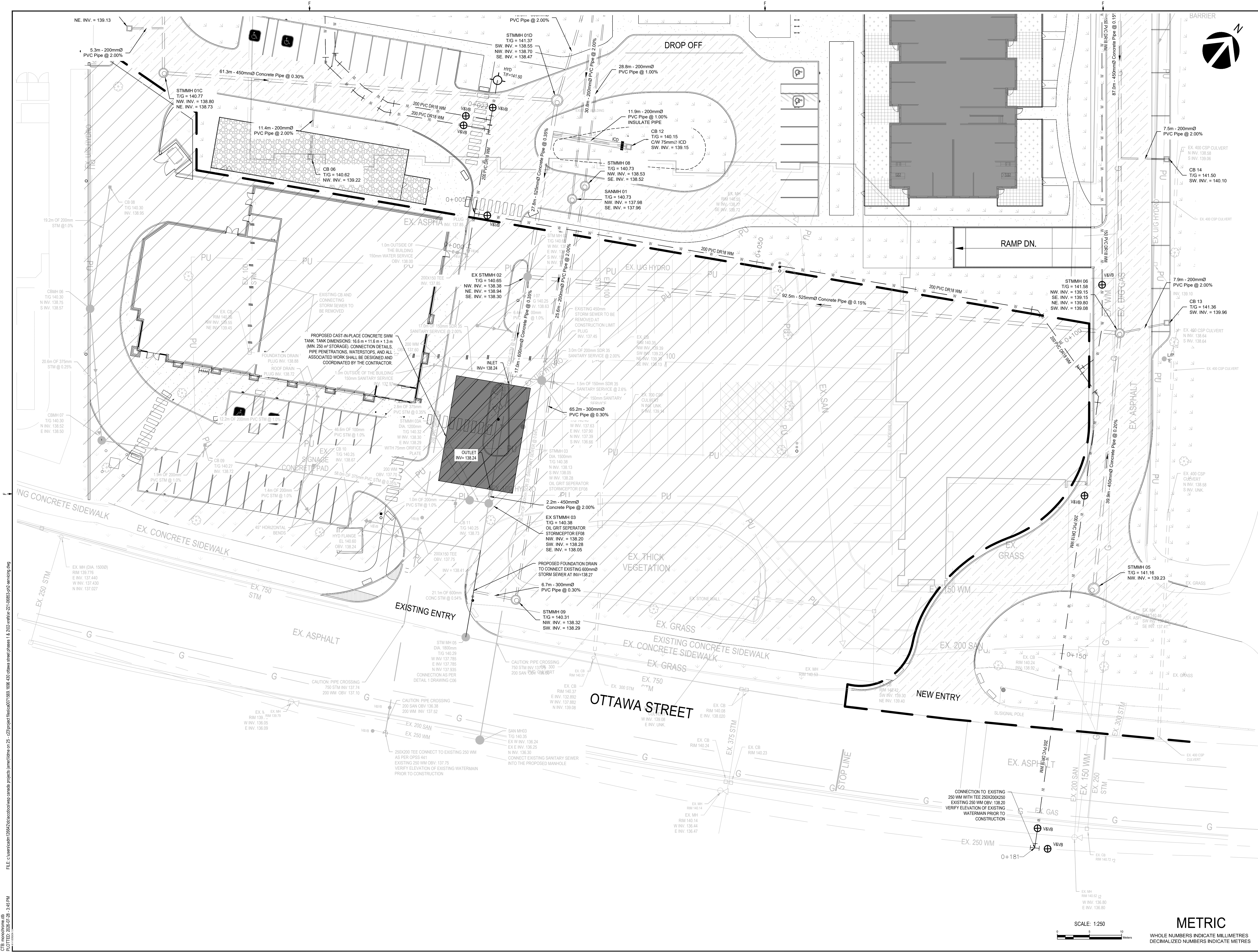
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WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



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KEY PLAN

REVISION:

REV	DATE	DESCRIPTION	BY
0	2026-07-27	ISSUED FOR SITE PLAN APPROVAL	I.J.

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ORIGINAL SCALE: 1:250
DESIGNED BY: D.M.
ASSISTED BY: --
DRAWN BY: D.M.
MODIFIED BY: I.J.
APPROVED BY: --
DISCIPLINE: CIVIL

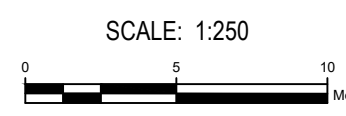
DATE: 2026-07-27
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25mm

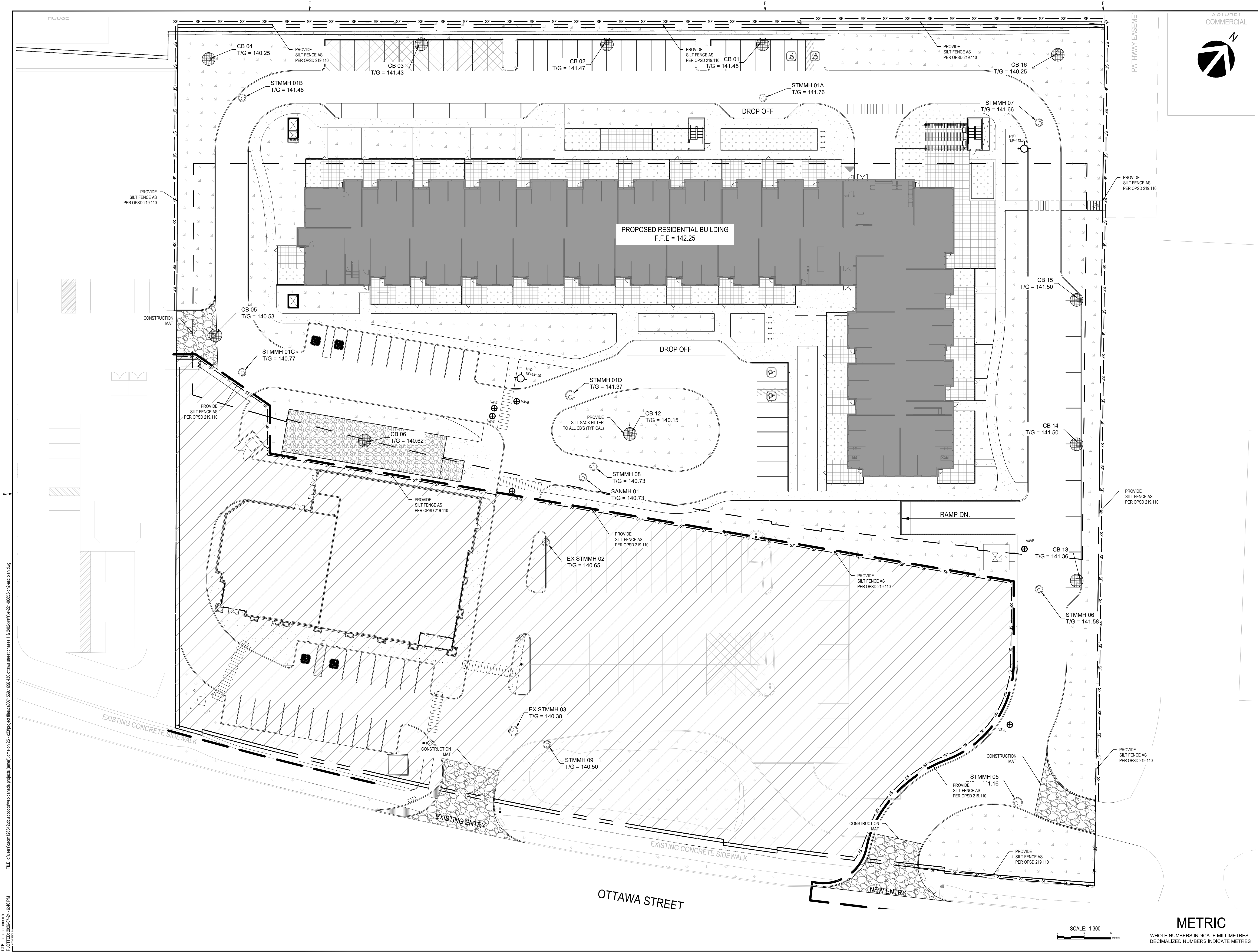
PROJECT: 430 OTTAWA STREET
ALMONTE, ONTARIO

TITLE: PHASE 2
SERVICING PLAN
2/2

DRAWING NUMBER: C08
REV: 0

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES





KEY PLAN			
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REVISION:			
0	2026-07-27	ISSUED FOR SITE PLAN APPROVAL	I.J.
REV	DATE	DESCRIPTION	BY

SEAL:

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ORIGINAL SCALE 1:300	DATE 2026-07-27
ASSIGNED BY: D.M.	
ASSISTED BY: ---	
DRAWN BY: D.M.	
MODIFIED BY: I.J.	
APPROVED BY: ---	

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PROJECT NUMBER: 221-06853-00

CLIENT:

ELM DEVELOPMENTS

CLIENT REF. # --

PROJECT:
430 OTTAWA STREET
ALMONTE, ONTARIO

TITLE:

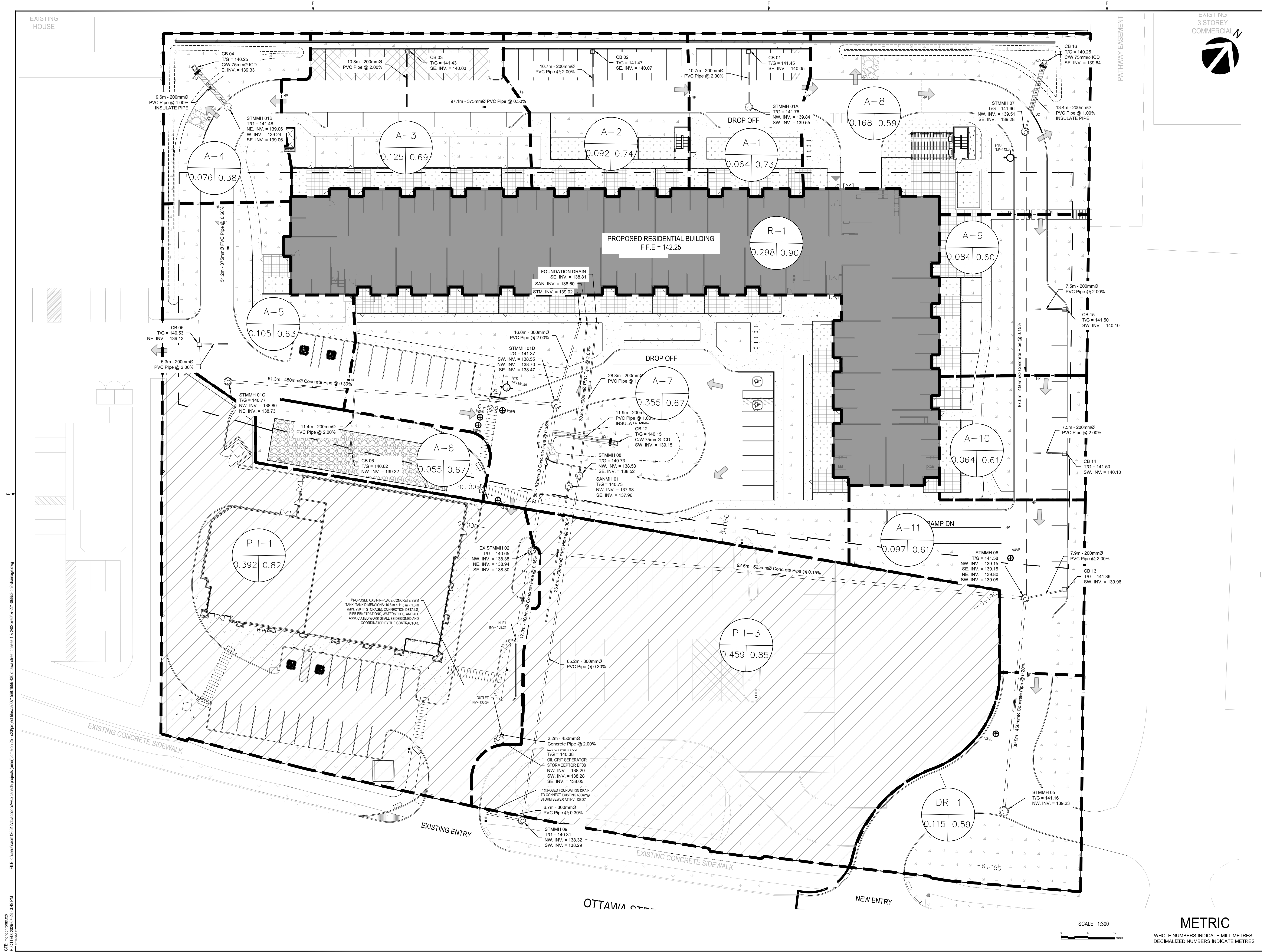
PHASE 2
ESC PLAN

DRAWING NUMBER:	REV:
C09	0

SCALE: 1:300

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

CTR: wpscham, ds
PLOTTED: 2026-07-23, 8:48 PM
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KEY PLAN

REVISION:

REV	DATE	DESCRIPTION	BY
0	2026-07-27	ISSUED FOR SITE PLAN APPROVAL	I.J.

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ORIGINAL SCALE: 1:300

ASSIGNED BY: D.M.

ASSISTED BY: --

DRAWN BY: D.M.

MODIFIED BY: I.J.

APPROVED BY: --

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PROJECT NUMBER: 221-06853-00

CLIENT:

ELM DEVELOPMENTS

CLIENT REF. #: --

PROJECT:

430 OTTAWA STREET
ALMONTE, ONTARIO

TITLE:

PHASE 2
DRAINAGE AREA
PLAN

DRAWING NUMBER: **C11**

REV: **0**

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