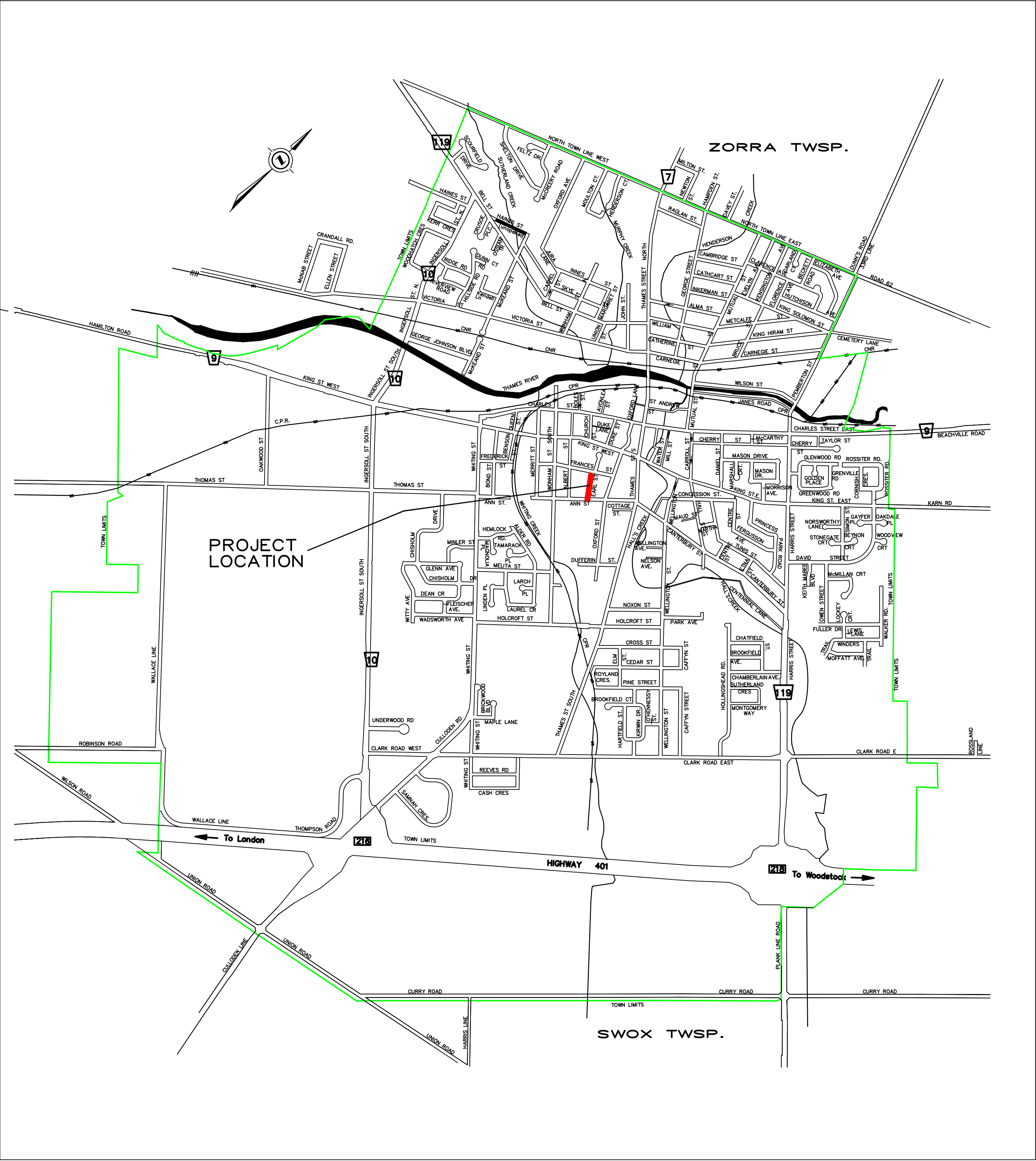




CONTRACT # 2 - 2025
Earl Street Reconstruction
from Frances Street to Ann Street

LIST OF DRAWINGS	
#	TITLE
1	Earl Street from Frances Street to Ann Street
2	Standard Details and Notes, Typical Sections



KEY PLAN
SCALE: NTS

— PROJECT LOCATION

**THE CORPORATION OF THE TOWN OF INGERSOLL
AND OXFORD COUNTY**

COUNTY OF OXFORD STANDARDS		
SECTION 4 – SANITARY SEWERS		
SECTION NAME	SUB – SECTION	
NON-PERMITTED FLOWS	1.1	
LOCATION AND ALIGNMENT	1.2	
PIPE SIZE	1.9	
PIPE DEPTH	1.11	
MAINTENANCE HOLES	1.12	
PIPE MATERIALS	2.1 TO 2.4	
OPEN CUT INSTALLATION – LINE AND GRADE	3.1	
OPEN CUT INSTALLATION – EXCAVATION AND TRENCH PREPARATION	3.3	
OPEN CUT INSTALLATION – DEWATERING	3.4	
OPEN CUT INSTALLATION – LONG AND LAYING	3.5	
OPEN CUT INSTALLATION – BEDDING	3.6	
OPEN CUT INSTALLATION – BACKFILLING	3.7	
OPEN CUT INSTALLATION – COMPACTION TEST	3.8	
CONNECTIONS TO EXISTING SEWERS	3.14	
CONNECTION – JOINTING OF PUSH ON JOINT PIPES	3.15	
SERVICE INSTALLATION	4.1, 4.2, 4.4 TO 4.6	
FIELD TESTING – GENERAL	5.1	
CLEANING AND FLUSHING SEWERS	5.2	
LEAKAGE TEST	5.3	
MANDREL DEFLECTION TESTING OF SEWER PIPE	5.4	
CLOSED-CIRCUIT TELEVISION (CCTV) INSPECTION	5.5	
TYPICAL DETAILS		
RIGID BOARD INSULATION – SLAB TYPE D 1812 – 1907 TYPICAL SANITARY CLEANOUT D 1863 – 1 – 2023	DWG #	

STANDARDS:

1. THESE NOTES APPLY TO ALL WORK.
2. REVIEW ALL CONTRACT DOCUMENTS FOR APPLICABLE STANDARDS.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE MOST CURRENT VERSIONS OF THE TOWN OF INGERSOLL AND COUNTY OF OXFORD DESIGN GUIDELINES AND SUPPLEMENTARY SPECIFICATIONS FOR MUNICIPAL SERVICES AND OTHER REGULATORY STANDARDS, POLICIES AND GUIDELINES.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEEK CLARIFICATION DURING THE TENDERING OF WORK IF THEY ARE UNCLEAR AS TO THE STANDARD THAT APPLIES TO THE WORK.
5. THE MINIMUM ACCEPTABLE STANDARD FOR ALL WORK, WHERE NO STANDARD IS EXPLICITLY STATED IS TO BE THE MOST APPROPRIATE ONTARIO PROVINCIAL STANDARD (DRAWING (OPS)) AND/OR ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS).
6. MUNICIPAL AND/OR COUNTY STANDARDS SUPERCEDE ALL OTHER STANDARDS FOR THE WORK.

EROSION CONTROL:

1. THE CONTRACTOR SHALL INSTALL ANY SILT CONTROL MEASURES REQUIRED TO STOP SILT MIGRATION FROM ENTERING STORM SEWERS TO THE SATISFACTION OF THE MINISTRY OF NATURAL RESOURCES, UPPER THAM REGIONAL CONSERVATION AUTHORITY, MINISTRY OF THE ENVIRONMENT AND CLIMATE, REGULATORY AGENCY OR MINISTRY AND, IN PARTICULAR, TO THE GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES (MNR). THE CONTRACTOR SHALL ASSUME THE DEFENSE OF AND INDEMNIFY AND SAVE HARMLESS TO THE TOWN OR COUNTY FROM ALL FINES, CHARGES AND CLAIMS RELATING TO THE PREVENTION FROM ANY EROSION, SEDIMENTATION, IN PARTICULAR, TO ALL EROSION CONTROL MEASURES INSTALLED, SHALL BE MAINTAINED TO THE SATISFACTION OF THE TOWN ENGINEER AND SHALL REMAIN IN PLACE UNTIL FINAL ASSUMPTION OR AS DIRECTED.
2. ALL SEDIMENT CONTROL FENCING MUST BE INSTALLED PRIOR TO ANY EXCAVATION FENCING BE COMPLETED WEEKLY, WITH ANY REPAIRS BE REPAIRED IMMEDIATELY. THE TOWN ENGINEER MAY PLACE A WORK STOPPAGE UNTIL FENCING IS REPAIRED TO THEIR APPROVAL.

EX 58.33m - 300mm $\varnothing$ CONC. STM. SEWER @ 3.00%

EX 77.55m - 200mm $\varnothing$ SAN SEWER @ 2.60%

EX 300mm $\varnothing$ STM @ 4.8%

REPLACE EX DRIVEWAY APRON

SAW CUT AND REMOVE APPROX. LIMITS
REPLACE EX ASPHALT AS REQ.

WATER VALVE USED AS TBM. 100.00m

REMOVE AND REPLACE EX. CURB & GUTTER AS PER OPSD 600.04

ADDITIONAL SCOPE - EARL STREET (REGRADE CURB AND ASPHALT)

SANITARY SEWER WORKS:

1. ALL SANITARY SEWER WORKS MUST COMPLY WITH THE COUNTY OF OXFORD STANDARDS
2. ALL SANITARY SEWER PIPE MUST BE APPROVED BY THE COUNTY ENGINEER PRIOR TO PLACEMENT.
3. SANITARY SEWER MATERIAL SHALL BE PVC D305, COLOUR CODED GREEN
4. THE PROPOSED LOCATION OF EXISTING SANITARY LATERALS HAVE BEEN DETERMINED BY AS-RECORDED RECORD INFORMATION AND VIDEO INSPECTION AS SHOWN ON THE DRAWINGS AND IS TO BE VERIFIED ON SITE.
5. PROPERTIES WITH TWO OR MORE SANITARY LATERALS SHOWN SHALL BE DYE TESTED TO DETERMINE WHICH IS LIVE. SHOULD MORE THAN ONE LATERAL BE DEEMED LIVE, LATERALS ARE TO BE CONNECTED TOGETHER BEHIND EXISTING RIGHT OF WAY.
6. THE CONTRACTOR SHALL MAINTAIN THE FLOW OF ALL EXISTING SANITARY LATERALS/SEWERS OR LATERALS ENCOUNTERED WHETHER SHOWN ON THE DRAWINGS OR NOT. SHOULD THE CONTRACTOR ENCOUNTER A SANITARY PIPE NOT SHOWN, IT IS THE RESPONSIBILITY OF THE COUNTY OF OXFORD TO DETERMINE IF SAID PIPE MAY BE ABANDONED.
7. ALL EXISTING SANITARY LATERALS ARE TO BE CUT AND REMOVED WITH CEMENT MORTAR OR BRICK BULKHEAD, AS DIRECTED BY APPOINTED COUNTY STAFF.
8. SANITARY MAINTENANCE HOLES ARE TO BE PRE-BENCHED, AS PER OPSD 701.021.
9. SANITARY MANHOLE LIDS ARE TO BE PER OPSD 401.010 - TYPE 'A'.
10. SANITARY SEWERS TO HAVE A MINIMAL 2.4m COVER TO TOP OF PIPE, WHERE COVER TO TOP IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW PIPE AS PER COUNTY STANDARDS AND TYPICAL DRAWING S-24.
11. ALL SANITARY AND SEWER WORKS ARE TO BE PROPERLY INSPECTED AND CLEANED OF DEBRIS PRIOR TO SUBSTANTIAL COMPLETION.

- IF GROUND COVER IS LESS THAN 1.0m LOWER WATER MAIN TO 1.8m.
 - IF GROUND COVER IS 1.0m-1.3m USE 75mm THICK INSULATION.
 - IF GROUND COVER IS 1.3m-1.6m USE 50mm THICK INSULATION.
- FOR CROSSING OR UNDERGROUND STRUCTURES OR CONDUIT A "FROST BOX" IS REQUIRED.
- FOR WATERMAIN AND SERVICES LOCATED 500mm OR LESS HORIZONTALLY ADJACENT TO MANHOLES OR CATCHBASIN REQUIRES A MINIMUM 50mm INSULATION IS REQUIRED.
- INSULATION IS REQUIRED ON ALL NEW OR RECONSTRUCTED WATER SERVICES IF ADEQUATE COVER AS LISTED ABOVE CANNOT BE ACHIEVED.

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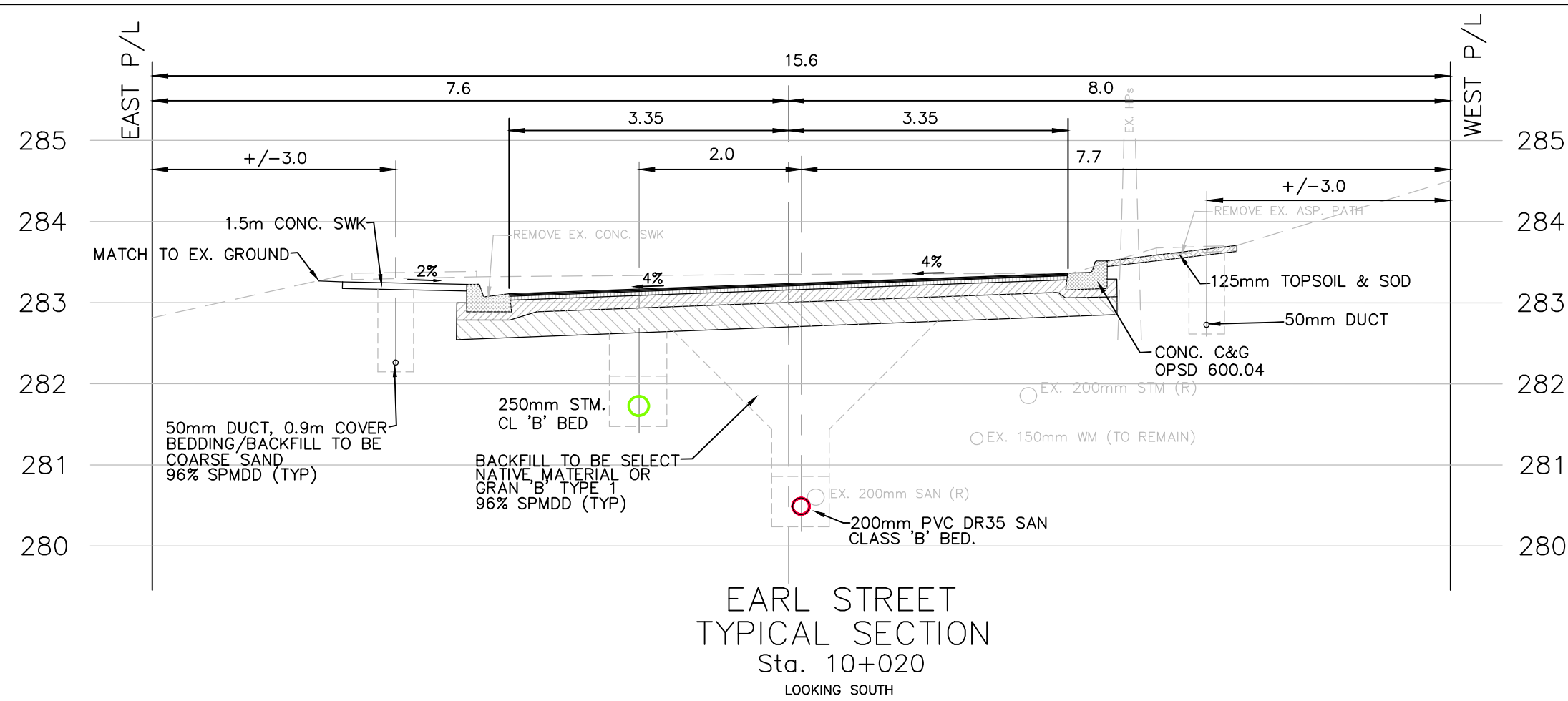
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OXFORD COUNTY

RIGID BOARD INSULATION-SLAB TYPE

FOR WATERMAIN AND SERVICES/LOW PRESSURE SANITARY SERVICES

DWG D 1812-1-2007 DATE NOV. 2007 REV 1



BURIED PIPE WORK (OPEN CUT):

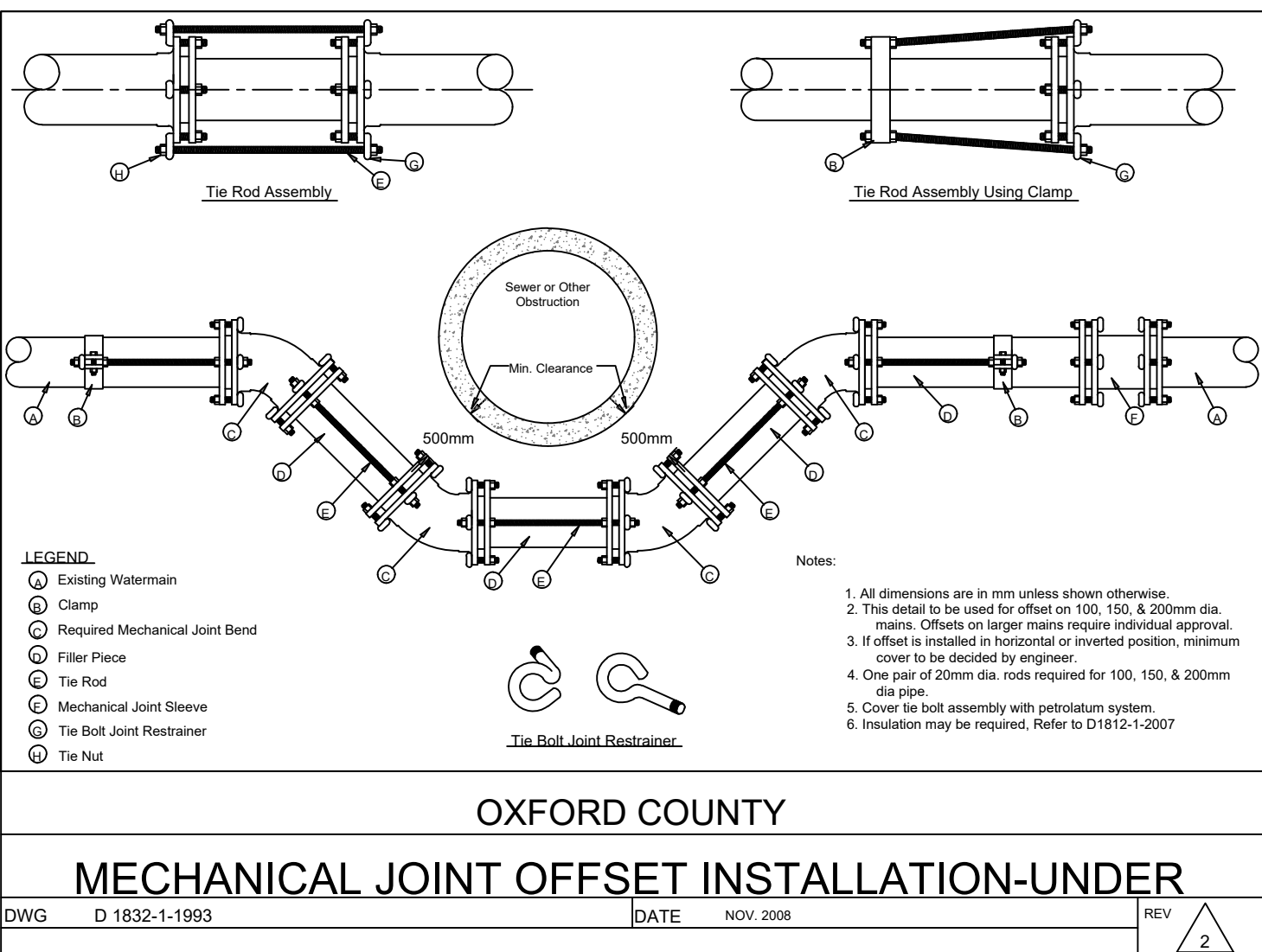
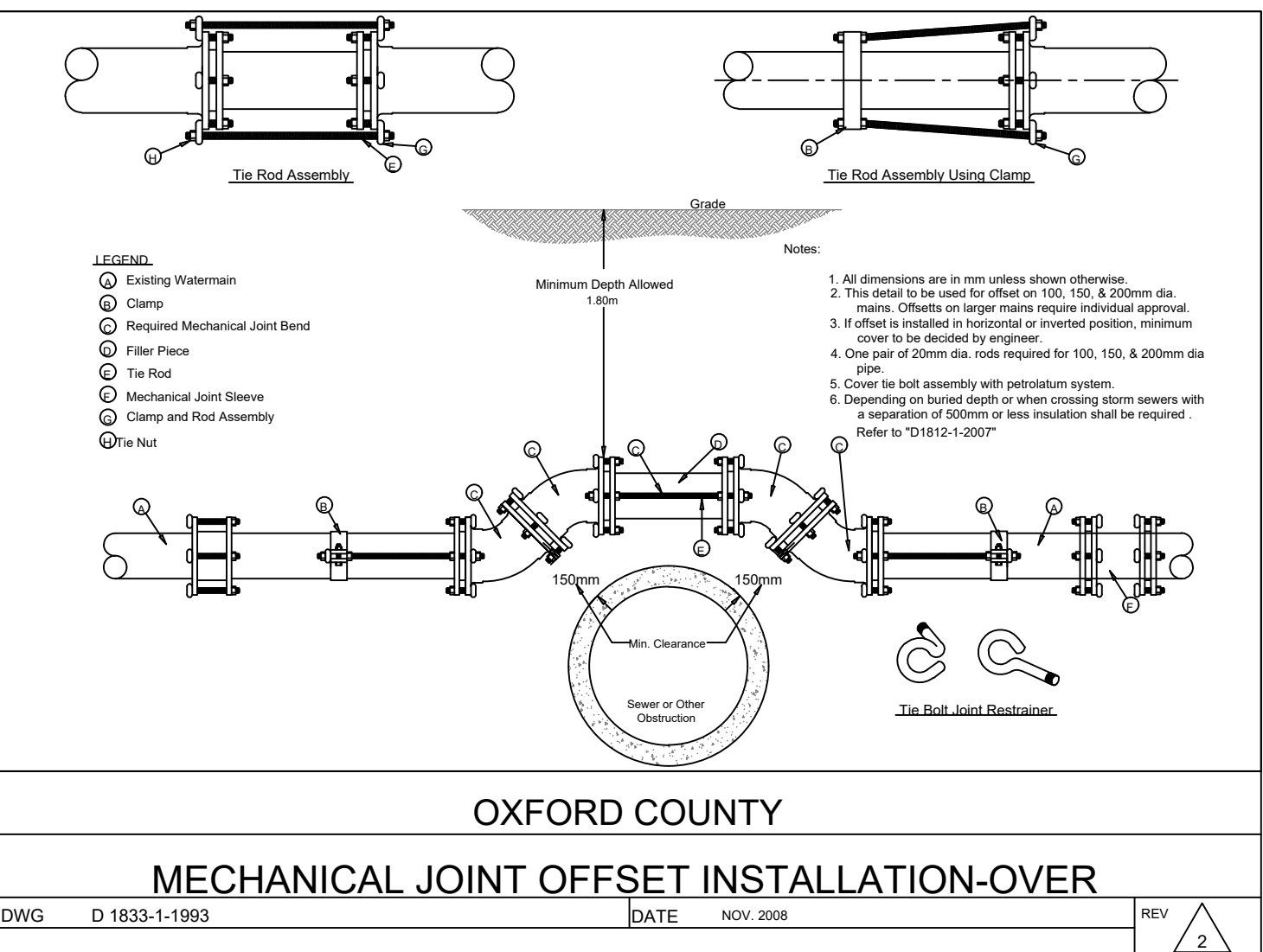
1. THESE NOTES APPLY TO ALL WORK OF THIS TYPE EITHER SPECIFICALLY IDENTIFIED OR REASONABLY IMPLIED WITHIN THE CONTRACT DOCUMENTS.
2. ALL MATERIALS SHALL BE C.S.A. CERTIFIED.
3. BACKFILL MATERIAL TO BE APPROVED BY THE TOWN ENGINEER PRIOR TO START OF CONSTRUCTION.
4. ALL EMBEDMENT AND BACKFILL AS PER TABLE 1 UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

LEGEND

- EX. STORM SEWER
- PROPOSED STORM SEWER
- EX. SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED TWIN INLET CATCHBASIN
- PROPOSED CATCHBASIN MANHOLE
- EX. CATCHBASIN
- PROPOSED WATERMAIN
- EX. WATERMAIN
- PROPOSED 3-WAY FIRE HYDRANT
C/W STORZ CONNECTION
- EX. FIRE HYDRANT
- PROPOSED WATERVALVE
- EX. WATERVALVE
- SIDEWALK RAMP/TACTILE PLATE
- (R)
- (ABN)
- REMOVE EXISTING
- TO BE ABANDONED IN PLACE
- EXISTING STREET SIGN

GENERAL NOTES:

1. IN THE EVENT OF A CONFLICT BETWEEN THE CONTRACT DOCUMENT AND THESE NOTES, SPECIFICATIONS IN THE CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE.
2. TOPSILING AND SODDING OR SEEDING SHALL BE AS DIRECTED BY THE TOWN ENGINEER.
3. ENSURE MIN. CLEARANCE BETWEEN SAN/STM SEWERS AND WATERMAIN ARE MAINTAINED. 0.50m VERT. CLEARANCE WHEN WATERMAIN IS UNDER, AND 0.15m VERT. CLEARANCE WHEN WATERMAIN CROSSES OVER.
4. ALL SEWERS SHALL BE INSTALLED USING CLASS 'B' BEDDING UNLESS OTHERWISE NOTED.
5. EXISTING UTILITIES IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL MAKE GOOD ALL CONNECTIONS WHERE EXISTING PIPES ARE INTERCEPTED.
7. ALL EXCAVATIONS SHALL MEET REQUIREMENTS OF OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
8. ENSURE CATCH BASIN LEADS DO NOT CONFLICT WITH WATERMAIN LOCATIONS.



AS CONSTRUCTED NOTES	AS CONSTRUCTED SERVICES	COMPLETION		No.	REVISIONS	DATE	BY	
			DESIGN	SR	1	TO COUNTY FOR REVIEW	2025.03.04	SR
			DRAWN	SR	2	ISSUED FOR TENDER	2025.03.13	SR
			CHECKED	MJ				
			APPROVED	MDS				



SCALE	TITLE	PROJECT No.
	TOWN OF INGERSOLL EARL STREET RECONSTRUCTION	2-2025
	STANDARD DETAILS & NOTES, TYPICAL SECTIONS	SHEET No.
2 of 2 TYP-1		