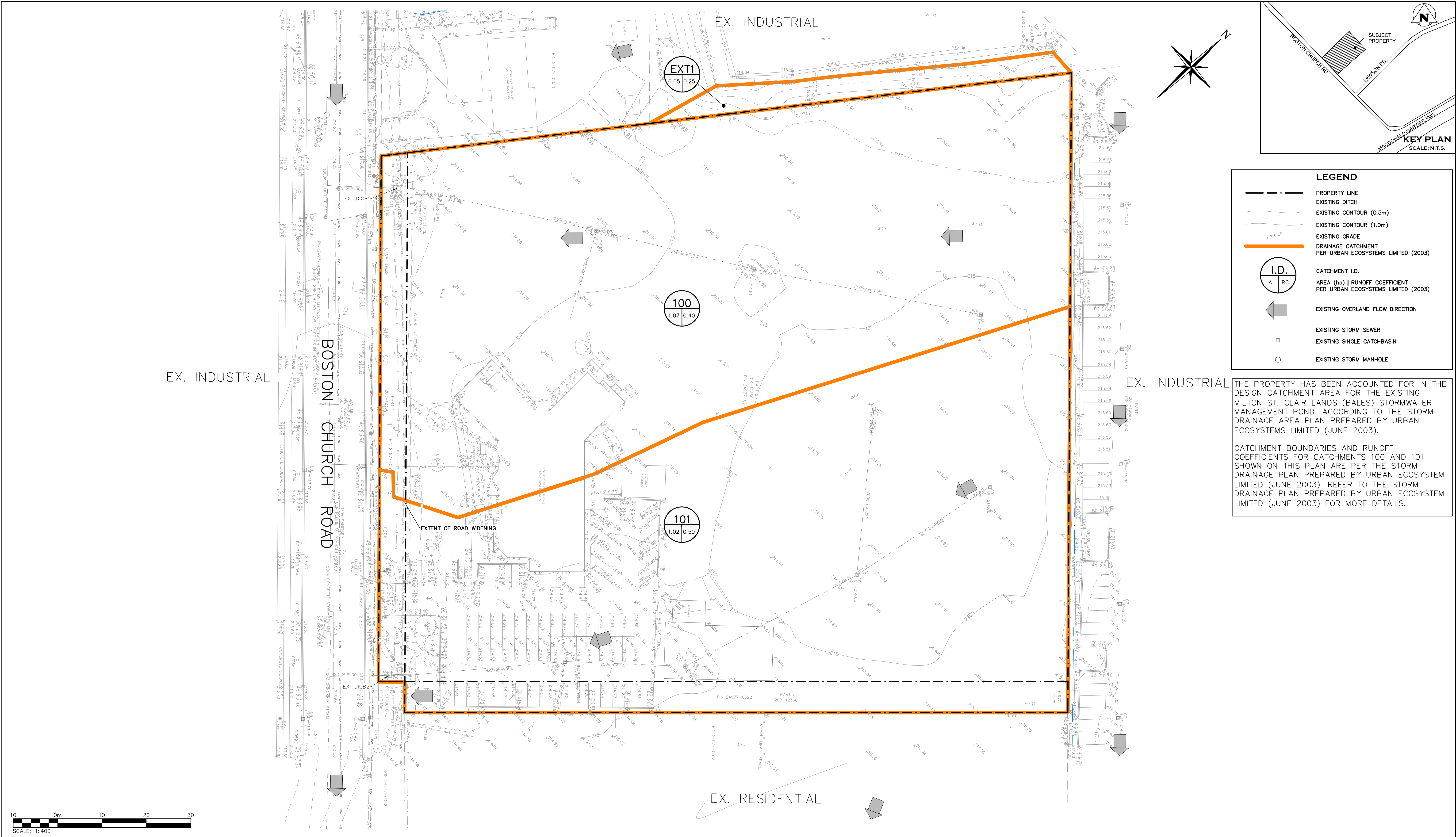




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4. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.
5. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
6. DO NOT SCALE DRAWINGS.

ELEVATION NOTE:
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SITE BENCHMARKS:
SITE TEM 1: CUT CROSS ON CONCRETE SIDEWALK, 214.54M.
SITE TEM 2: CUT CROSS ON CONCRETE SIDEWALK, 213.64M.
SURVEY NOTES:
THE TOPOGRAPHIC SURVEY WAS COMPLETED BY VAN HARTEN LAND SURVEYORS AND PROFESSIONAL ENGINEERS ON JUNE 5, 2025. PROJECT NO. 34292-25

Regional
Halton
THE REGIONAL MUNICIPALITY OF HALTON
FILE NUMBER
LEGISLATIVE AND PLANNING SERVICES DEPARTMENT
DATE

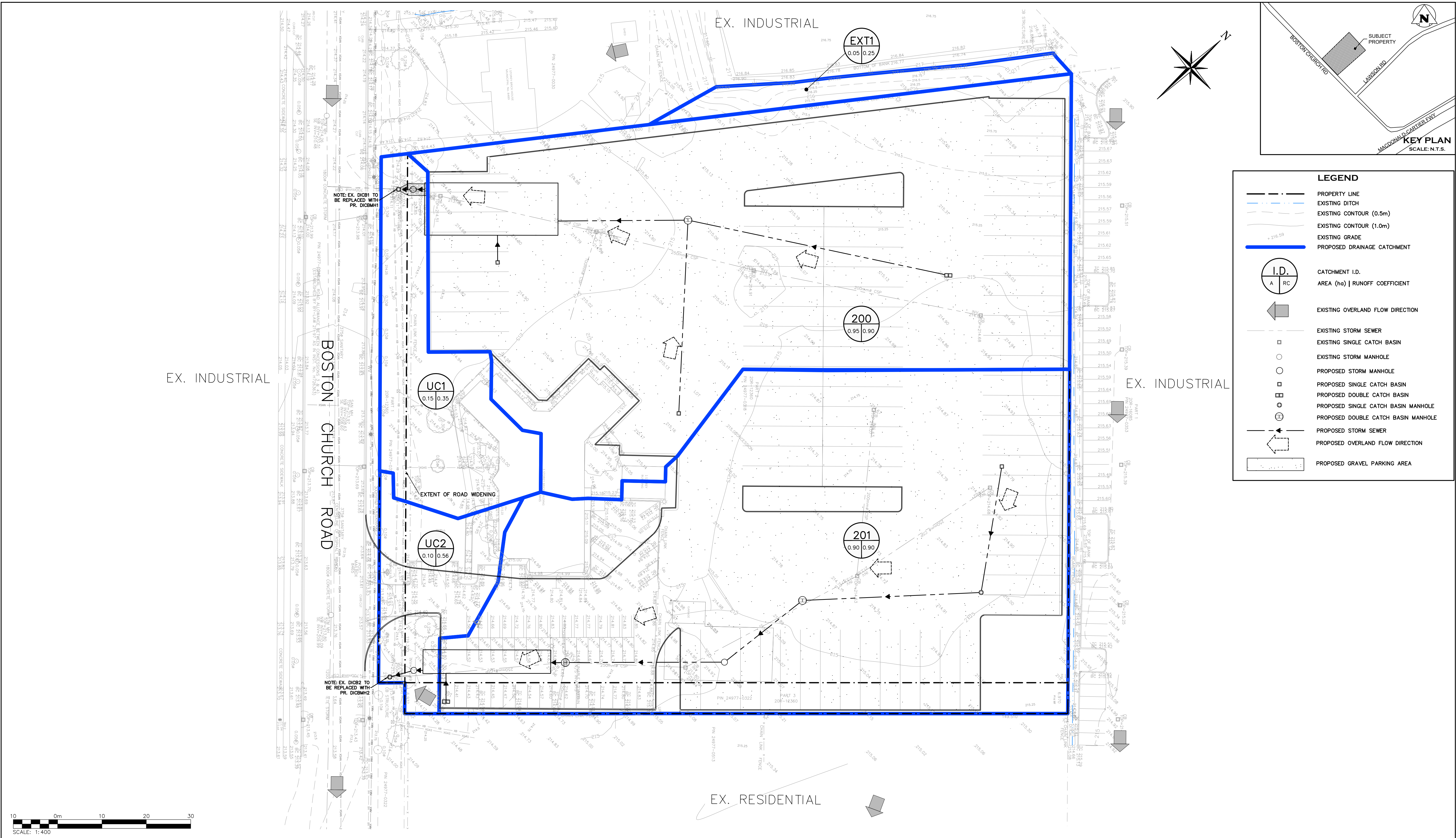
Town
TOWN OF MILTON
ENGINEERING SERVICES DEPARTMENT
FILE NUMBER
DIRECTOR OF ENGINEERING SERVICES/
DIRECTOR OF COMMUNITY SERVICES
MANAGER OF DEVELOPMENT ENGINEERING/
MANAGER OF PARKS AND OPEN SPACE

No.	ISSUE	DATE: YYYY/MM/DD	Engineer
0	ISSUED FOR 1ST SUBMISSION	2025/09/26	

FOR REVIEW
NOT TO BE USED FOR CONSTRUCTION

Project
8465 BOSTON CHURCH ROAD
TOWN OF MILTON
Drawing
PRE-DEVELOPMENT STORM DRAINAGE PLAN

CROZIER
CONSULTING ENGINEERS
Drawn By M.P.H. Design By M.P.H./J.K.F. Project 2878-7432
Check By J.B. Check By M.B. Drawing FIG.1



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SITE BENCHMARKS:
SITE TEM 1: CUT CROSS ON CONCRETE SIDEWALK, 214.54M.
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SURVEY NOTES:
THE TOPOGRAPHIC SURVEY WAS COMPLETED BY VAN HARTEN LAND SURVEYORS AND PROFESSIONAL ENGINEERS ON JUNE 5, 2025. PROJECT NO. 34292-25

Regional
Halton
THE REGIONAL MUNICIPALITY OF HALTON
FILE NUMBER
LEGISLATIVE AND PLANNING SERVICES DEPARTMENT
DATE

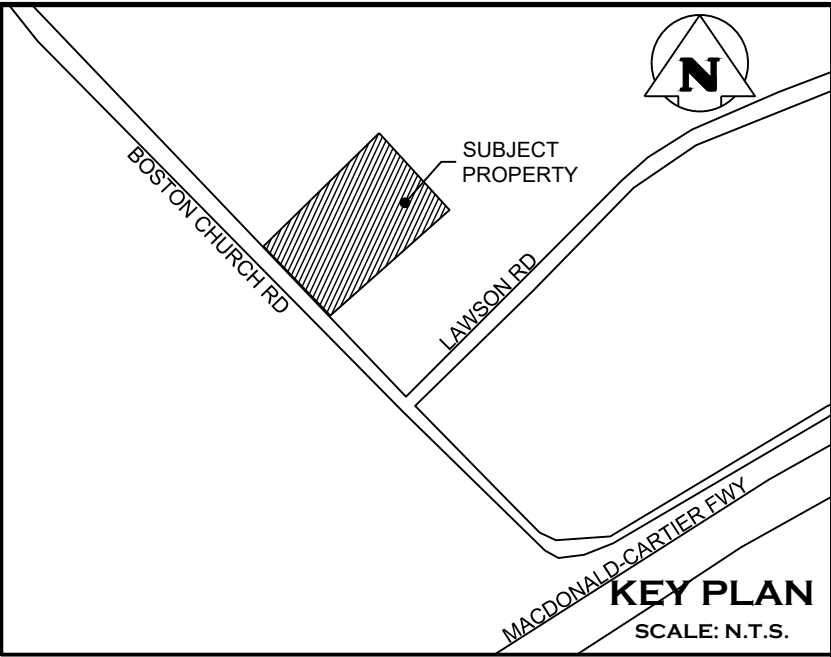
Town
TOWN OF MILTON
ENGINEERING SERVICES DEPARTMENT
FILE NUMBER
MILTON
DIRECTOR OF ENGINEERING SERVICES/
DIRECTOR OF COMMUNITY SERVICES
MANAGER OF DEVELOPMENT ENGINEERING/
MANAGER OF PARKS AND OPEN SPACE

No.	ISSUE	DATE: YYYY/MM/DD
0	ISSUED FOR 1ST SUBMISSION	2025/09/26

Engineer
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Engineer

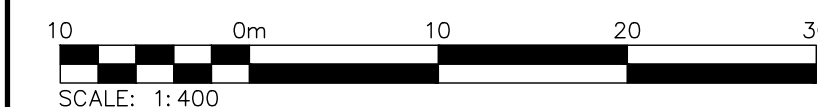
Project
8465 BOSTON CHURCH ROAD
TOWN OF MILTON
Drawing
POST-DEVELOPMENT STORM DRAINAGE PLAN

C CROZIER
CONSULTING ENGINEERS
Drawn By M.P.H. Design By M.P.H./J.K.F. Project 2878-7432
Check By J.B. Check By M.B. Drawing FIG.2



LEGEND

- PROPERTY LINE
- - - EXISTING DITCH
- - - EXISTING CONTOUR (0.5m)
- - - EXISTING CONTOUR (1.0m)
- PROPOSED STORM SEWER CATCHMENT
- I.D. CATCHMENT I.D.
- A RC AREA (ha) | RUNOFF COEFFICIENT
- EXISTING STORM SEWER
- EXISTING SINGLE CATCHBASIN
- EXISTING STORM MANHOLE
- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE
- PROPOSED SINGLE CATCH BASIN
- PROPOSED DOUBLE CATCH BASIN
- PROPOSED SINGLE CATCH BASIN MANHOLE
- PROPOSED DOUBLE CATCH BASIN MANHOLE
- PROPOSED GRAVEL PARKING AREA



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SURVEY NOTES:
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Regional
Halton
THE REGIONAL MUNICIPALITY OF HALTON

FILE NUMBER

LEGISLATIVE AND PLANNING SERVICES DEPARTMENT

Town
TOWN OF MILTON
ENGINEERING SERVICES DEPARTMENT

FILE NUMBER

MILTON

DIRECTOR OF ENGINEERING SERVICES/
DIRECTOR OF COMMUNITY SERVICES

MANAGER OF DEVELOPMENT ENGINEERING/
MANAGER OF PARKS AND OPEN SPACE

No.	ISSUE	DATE: YYYY/MM/DD
0	ISSUED FOR 1ST SUBMISSION	2025/09/26

Engineer

Engineer

Project

Drawing

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NOT TO BE USED FOR CONSTRUCTION

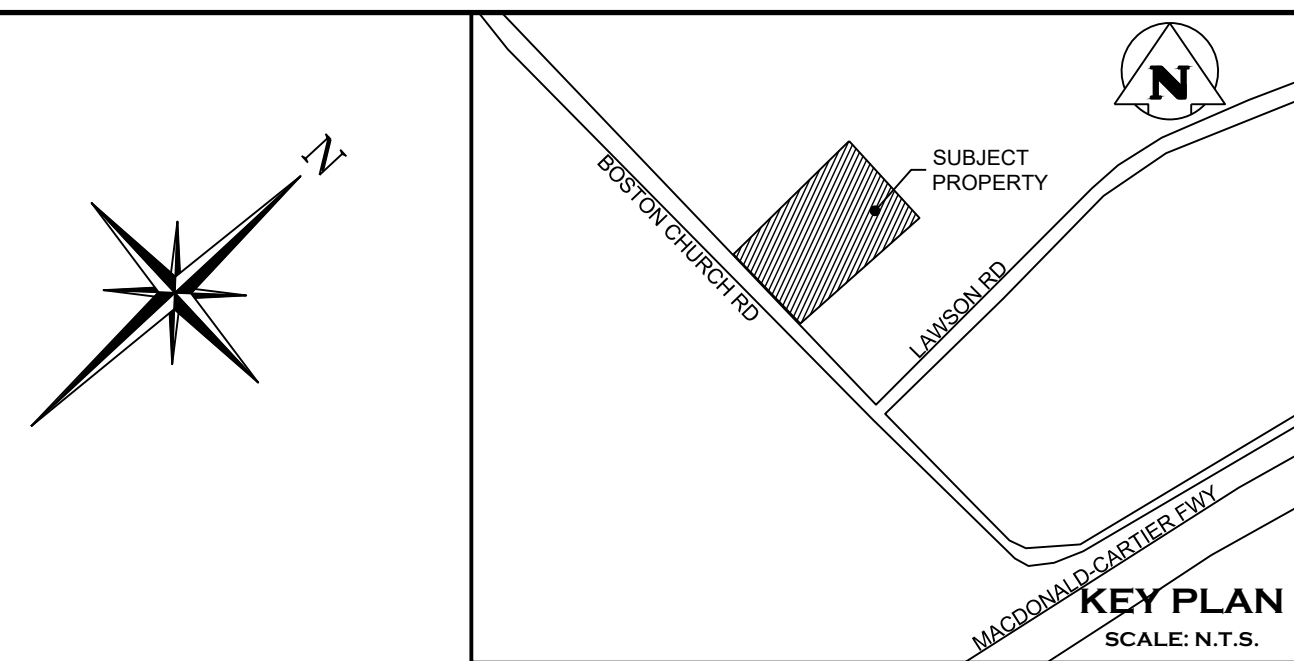
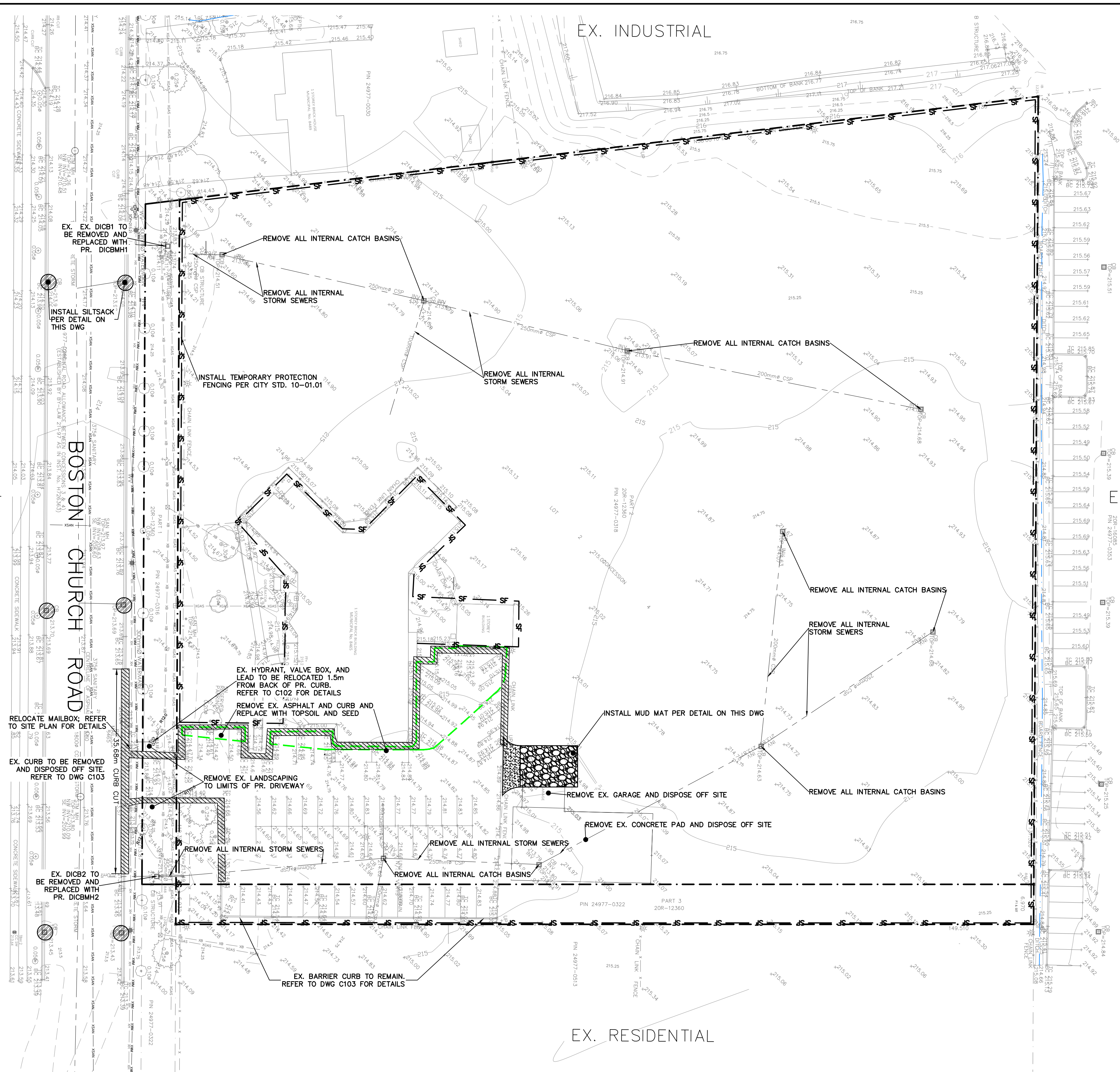
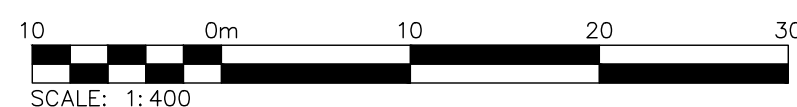
8465 BOSTON CHURCH ROAD
TOWN OF MILTON

STORM SEWER DRAINAGE AREA PLAN

C CROZIER
CONSULTING ENGINEERS

Drawn By: M.P.H. Design By: M.P.H./J.K.F. Project: **2878-7432**

Check By: J.B. Check By: M.B. Drawing: **FIG.3**



LEGEND

	PROPERTY LINE
	EXISTING DITCH
	EXISTING CONTOUR (0.5m)
	EXISTING CONTOUR (1.0m)
	EXISTING GRADE
	EXISTING STORM MANHOLE
	EXISTING SINGLE CATCH BASIN
	MUD MAT SEE DETAIL ON THIS DRAWING
	TEMPORARY PROTECTION FENCING SEE DETAIL ON THIS DRAWING
	TEMPORARY CATCH BASIN SILTATION CONTROL SEE DETAIL ON THIS DRAWING
	EXISTING ASPHALT AND CURB TO BE REMOVED AND REPLACED WITH TOPSOIL AND SEED
	EX. CURB TO BE REMOVED

NOTES:

1. ALL STORM SEWER INFRASTRUCTURE TO BE DECOMMISSIONED AND DISPOSED OFF SITE.
2. ALL SEDIMENT FENCE TO BE INSTALLED ALONG CONSTRUCTION LIMIT. FENCE LOCATION SHOWN ON THIS DRAWINGS ARE OFFSET FOR ILLUSTRATION PURPOSES.

SEE ESC NOTES ON DWG C104

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 Halton REGION	
THE REGIONAL MUNICIPALITY OF HALTON	
FILE NUMBER	
DESIGN OF SANITARY, WATER SERVICES & REGIONAL APPROVED SUBJECT TO DETAIL, CONSTRUCTION COST HALTON REGION STANDARDS & SPECIFICATIONS & LOCAL APPROVAL FROM AREA MUNICIPALITY	
LEGISLATIVE AND PLANNING SERVICES DEPARTMENT	
DATE	

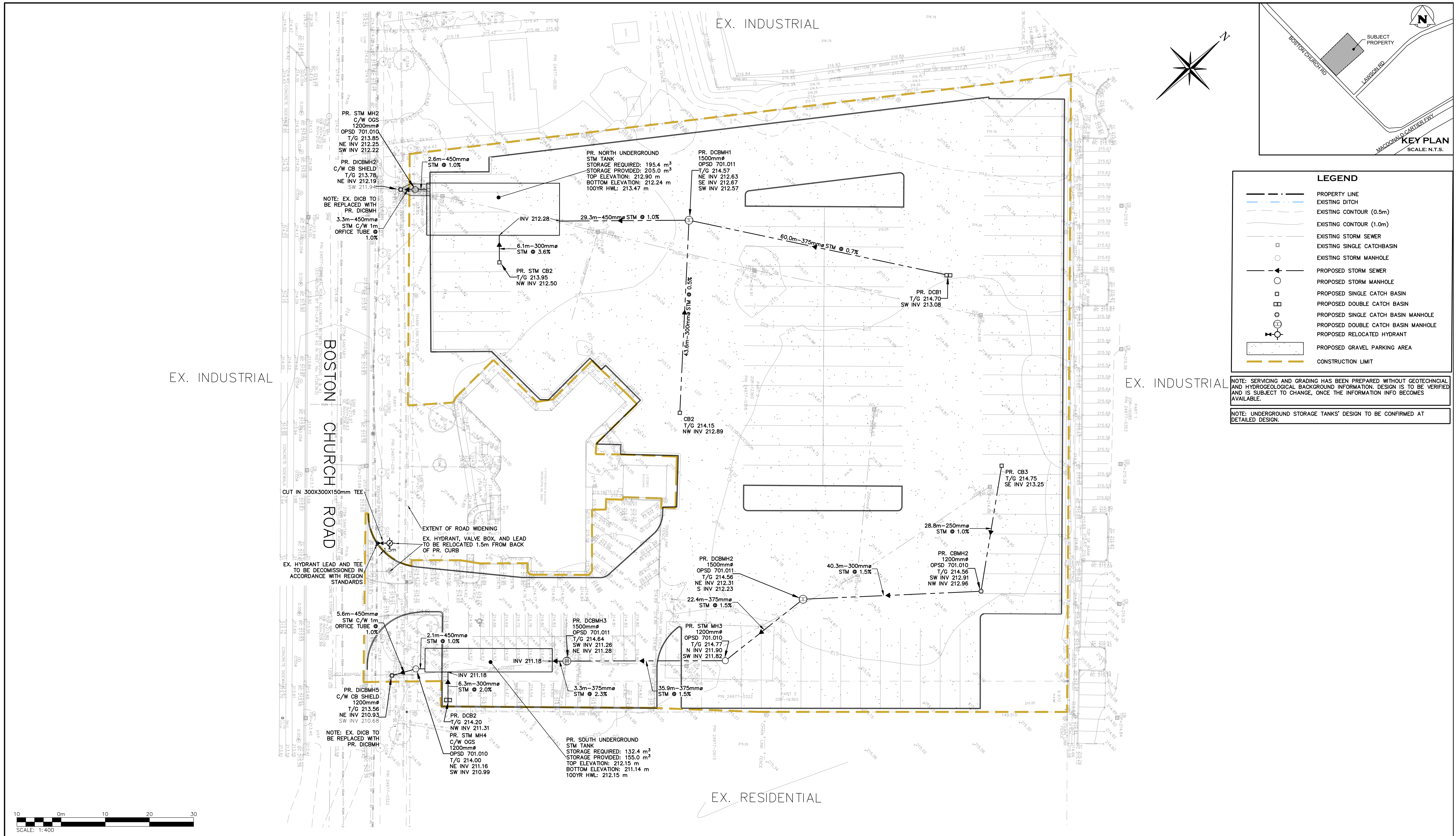
Regional	TOWN OF MILTON ENGINEERING SERVICES DEPARTMENT		Total
TON	FILE NUMBER		
ROAD WORKS BEGINNING TO CATION	 _____ DIRECTOR OF ENGINEERING SERVICES/ DIRECTOR OF COMMUNITY SERVICES _____ MANAGER OF DEVELOPMENT ENGINEERING/ MANAGER OF PARKS AND OPEN SPACE		

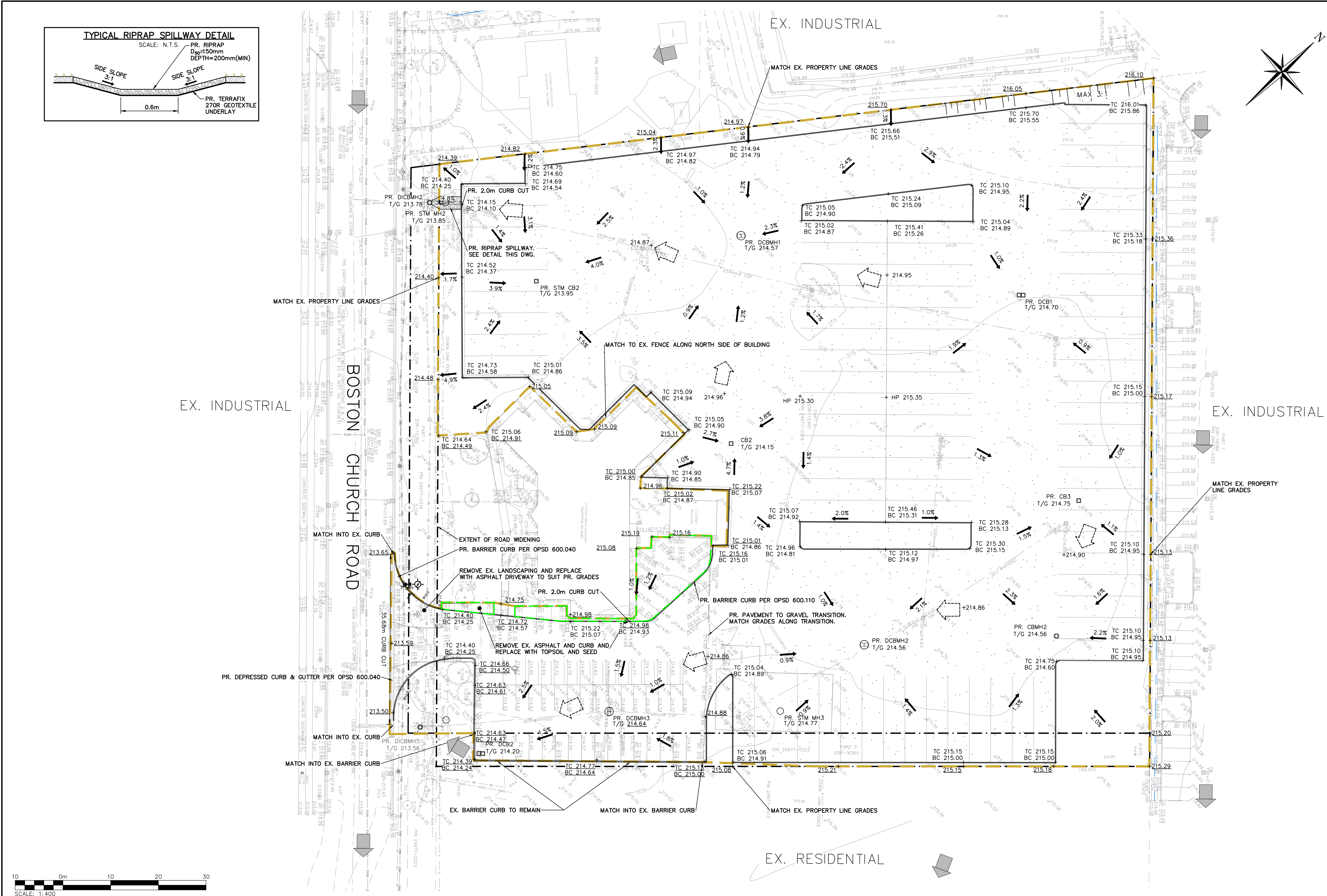
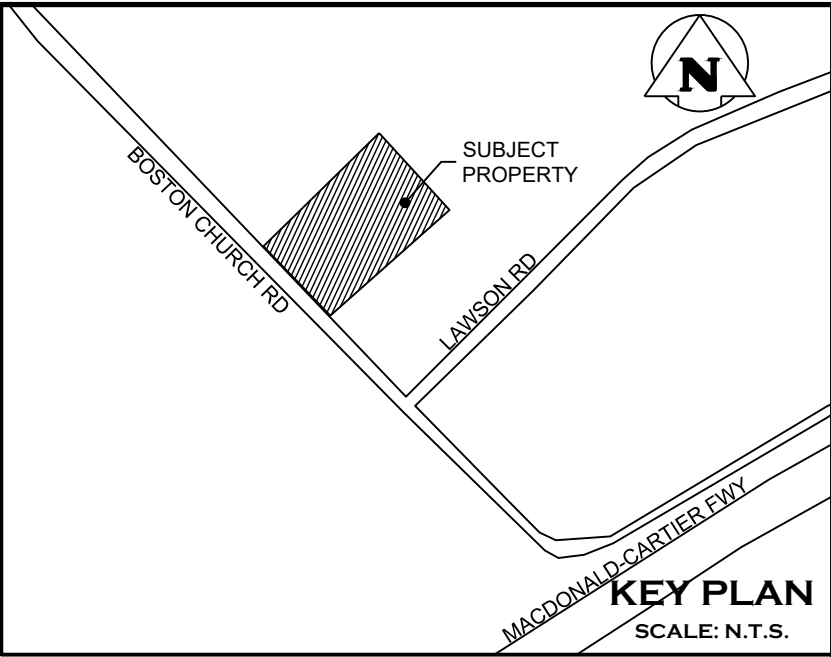
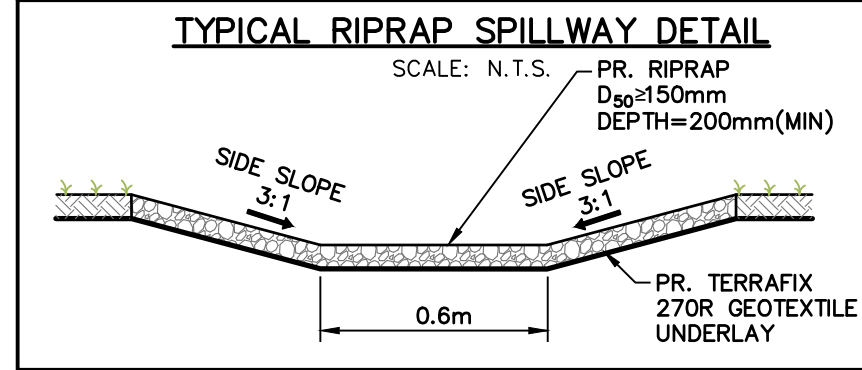
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FOR REVIEW
NOT TO BE USED FOR CONSTRUCTION

Project	8465 BOSTON CHURCH ROAD TOWN OF MILTON
Drawing	REMOVALS AND EROSION & SEDIMENT CONTROL PLAN

 CROZIER CONSULTING ENGINEERS		
Drawn By: M.P.H.	Design By: M.P.H./J.K.F.	Project: 2878-7432
Check By: J.B.	Check By: M.B.	Drawing: C101





- LEGEND**
- PROPERTY LINE
 - EXISTING DITCH
 - EXISTING CONTOUR (0.5m)
 - EXISTING CONTOUR (1.0m)
 - EXISTING GRADE
 - EXISTING OVERLAND FLOW DIRECTION
 - EXISTING STORM SEWER
 - EXISTING SINGLE CATCH BASIN
 - EXISTING STORM MANHOLE
 - PROPOSED GRADE
 - PROPOSED GRADE (TO MATCH EXISTING)
 - PROPOSED MINOR FLOW DIRECTION
 - PROPOSED STORM MANHOLE
 - PROPOSED SINGLE CATCH BASIN
 - PROPOSED DOUBLE CATCH BASIN
 - PROPOSED SINGLE CATCH BASIN MANHOLE
 - PROPOSED DOUBLE CATCH BASIN MANHOLE
 - PROPOSED RELOCATED HYDRANT
 - PROPOSED OVERLAND FLOW DIRECTION
 - 3:1 MAX SLOPE
 - EXISTING ASPHALT AND CURB TO BE REMOVED AND REPLACED WITH TOPSOIL AND SEED
 - PROPOSED GRAVEL PARKING AREA
 - PROPOSED BARRIER CURB PER OPSD 600.110
 - CONSTRUCTION LIMIT

NOTE: SERVING AND GRADING HAS BEEN PREPARED WITHOUT GEOTECHNICAL AND HYDROGEOLOGICAL BACKGROUND INFORMATION. DESIGN IS TO BE VERIFIED AND IS SUBJECT TO CHANGE, ONCE THE INFORMATION INFO BECOMES AVAILABLE.

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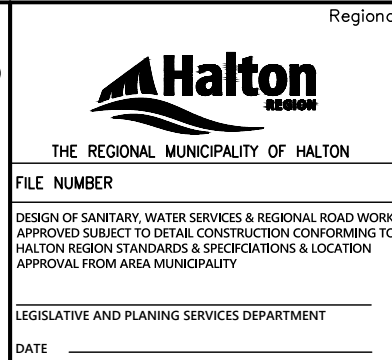
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SITE BENCHMARKS:
SITE TBM 1: CUT CROSS ON CONCRETE SIDEWALK, 214.54M.
SITE TBM 2: CUT CROSS ON CONCRETE SIDEWALK, 213.64M.

SURVEY NOTES:
THE TOPOGRAPHIC SURVEY WAS COMPLETED BY VAN HARTEN LAND SURVEYORS AND PROFESSIONAL ENGINEERS ON JUNE 5, 2025. PROJECT NO. 34292-25



No.	ISSUE	DATE: YYYY/MM/DD	Engineer
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FOR REVIEW
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Project: 8465 BOSTON CHURCH ROAD
TOWN OF MILTON

Drawing: GRADING PLAN

CROZIER CONSULTING ENGINEERS

Drawn By: M.P.H. Design By: M.P.H./J.K.F. Project: 2878-7432

Check By: J.B. Check By: M.B. Drawing: C103

CONSTRUCTION NOTES:

1.0 GENERAL

- 1.1 THE LOCATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS WITH THE EXISTING UTILITIES.
- 1.2 ALL AREAS DISTURBED BY THE CONTRACTOR DURING THE CONSTRUCTION OF THE WORKS SHOWN HEREIN SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER. ALL GRASS AND VEGETATION COVERED AREAS SHALL BE RESTORED BY PLACING 100mm OF TOPSOIL AND NO. 1 NURSERY SOD TO ESTABLISH A GRASS COVER TO THE SATISFACTION OF THE TOWN UNLESS NOTED OTHERWISE.
- 1.3 TOWN OF MILTON AND REGION OF HALTON STANDARD DRAWINGS AND OPSD WITH REGIONAL AMENDMENTS FOR SANITARY SEWERS AND WATERMAINS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT. CONTRACTOR TO MAINTAIN CURRENT COPY OF TOWN, REGION AND ONTARIO STANDARDS ON SITE AT ALL TIMES.
- 1.4 ALTERNATIVE MATERIALS MAY BE ACCEPTABLE, PROVIDED APPROVAL HAS FIRST BEEN OBTAINED FROM THE TOWN AND/OR THE REGIONAL COMMISSIONER OF PUBLIC WORKS.
- 1.5 NO BLASTING IS PERMITTED.
- 1.6 MANHOLE AND VALVE CHAMBER COVERS ARE TO BE SET FLUSH WITH BASE COURSE ASPHALT AND ADJUSTED TO FINAL GRADE PRIOR TO INSTALLING TOP LIFT OF ASPHALT.
- 1.7 ALL TRENCHES WITHIN EXISTING R.O.W. ARE TO BE BACKFILLED IN ACCORDANCE WITH TOWN OF MILTON REQUIREMENTS.
- 1.8 ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE SITE PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER BEFORE PROCEEDING.
- 1.9 CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL MATERIALS AND PRODUCTS FOR REVIEW BY THE ENGINEER PRIOR TO INSTALLATION.
- 1.10 REFER TO TOWN AND REGION STANDARDS AND SPECIFICATIONS FOR LIST OF APPROVED MANUFACTURERS AND MATERIALS.
- 1.11 ENCROACHMENT ONTO ADJACENT PROPERTIES IS NOT PERMITTED UNLESS OTHERWISE NOTED AND INSTRUCTED BY THE ENGINEER.
- 1.12 THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S CONTRACTOR FROM OBTAINING AND PAYING FOR PERMITS.
- 1.13 THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE SITE PLAN AND ANY OTHER PLANS OR DRAWINGS THAT DEPICT WORKS THAT ARE PROPOSED FOR THIS SITE.
- 1.14 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR THE TOWN AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ONTARIO.
- 1.15 THE CONTRACTOR SHALL ENDEAVOR TO PREVENT MUD TRACKING ONTO ADJACENT LANDS AND EXISTING ROADS AND SHALL PROVIDE CLEANSEAS AS DIRECTED BY THE TOWN AND ENGINEER. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTROL DUST ON THE PROJECT AND HE SHALL PROVIDE AT OWN EXPENSE DUST CONTROLLING MEASURES AS DIRECTED.
- 1.16 THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING ABOVE AND BELOW GROUND UTILITIES PRIOR TO AND DURING CONSTRUCTION.
- 1.17 ANY UTILITY RELOCATIONS DUE TO THIS DEVELOPMENT TO BE UNDERTAKEN AT THE EXPENSE OF THE OWNER.
- 1.18 ALL CONSTRUCTION WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTIONS PROJECTS.
- 1.19 CONSTRUCTION ACCESS SHALL BE CONSTRUCTED PER DETAIL ON THIS PLAN, AND PER TOWN ENTRANCE AND ROAD OCCUPANCY PERMITS, AS REQUIRED.
- 1.20 ALL EXISTING SEWERS ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION INCLUDING SEWER INVERTS, MATERIAL TYPE, AND SIZE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
- 1.21 PRECONSTRUCTION FLUSH AND VIDEO OF EXISTING PRIVATE OR MUNICIPAL SEWERS TO CONFIRM CONDITIONS OF ANY SEWER TIE-INS, TO THE SATISFACTION OF THE ENGINEER/MUNICIPALITY AS APPLICABLE.
- 1.22 FLUSH AND VIDEO ALL STORM SEWERS UPON INSTALLATION AND PROVIDE THREE (3) PHYSICAL COPIES OF REPORTS AND VIDEOS. THIS INCLUDES MAINLINE SEWERS, LATERALS, LEADS AND SERVICES UP TO THE STUB. THE CCTV INSPECTION TO BE CARRIED OUT AS DETAILED IN OPSS 409. ONE FLUSH AND CCTV VIDEO ROUND IS TO BE COMPLETED PRIOR THE PLACEMENT OF BASE ASPHALT. SECOND ROUND OF FLUSH AND CCTV TO BE COMPLETED AFTER THE PLACEMENT OF TOP ASPHALT AND COMPLETION OF ALL LANDSCAPING. THIS ITEM TO ALSO INCLUDE CLEANING OF ALL STRUCTURES.
- 1.23 CONTRACTOR SHALL PROVIDE A DIGITAL AS-BUILT SURVEY OF ALL UNDERGROUND AND ABOVEGROUND WORKS TO THE SATISFACTION OF THE ENGINEER. AS-BUILT INFORMATION TO INCLUDE A FULL TOPOGRAPHIC SURVEY OF THE SITE, THE AS-BUILTS SHOULD INCLUDE BUT IS NOT LIMITED TO: LAYOUT OF ALL SEWERS AND WATERMAINS, INVERTS AND TOP OF COVER/GRATES IN STRUCTURES, STORMWATER MANAGEMENT FEATURES, CURBS, LONGITUDINAL AND CROSSFALL SLOPES OF SIDEWALKS, CENTRE LINE OF ROADS AND EDGE OF PAVEMENT TO CHECK CROSSFALLS AND ROAD/PARKING LOT GRADES, HANDICAP RAMPS, ETC. ANY DEVIATIONS FROM THE ORIGINAL DESIGN ARE TO BE INCLUDED IN THE AS-BUILT DRAWINGS. AS-BUILT INFORMATION TO BE SUPPLIED TO CONTRACT ADMINISTRATOR IN BOTH CAD & PDF FORMATS. THE AS-BUILT INFORMATION WILL BE REQUIRED ONCE AT BASE ASPHALT PLACEMENT COMPLETION AND AGAIN AFTER COMPLETION OF TOP ASPHALT AND LANDSCAPING.
- 1.24 THE CONTRACTOR IS TO INCLUDE IN THEIR SCOPE TO CONFIRM CONDITIONS OF ANY WATERMAIN ELEMENTS (HYDRANTS, VALVE BOXES, WATER CHAMBERS, ETC.) A MINIMUM THREE TIE-INS TO EXISTING ABOVE-GROUND VISIBLE PERMANENT ELEMENTS (I.E. EXISTING POLES, CATCHBASINS, ETC.)
- 1.25 CONTRACTOR TO INSTALL A SEDIMENT FENCE ON THE PERIMETER OF THE PROPERTY AND AT LOCATIONS DETERMINED BY THE MANAGER, DEVELOPMENT ENGINEERING, TOWN OF MILTON, PRIOR TO COMMENCEMENT OF ANY WORKS ON THE SITE. SEDIMENT FENCE TO REMAIN IN PLACE FOR THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE MANAGER, DEVELOPMENT ENGINEERING, TOWN OF MILTON.
- 1.26 SILT CONTROLS ARE TO BE IN PLACE PRIOR TO THE START OF SITE WORKS AND ARE TO BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION.
- 1.27 PRIOR TO COMMENCEMENT OF ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS FROM THE TOWN OF MILTON, FOR THE PURPOSES OF VEHICULAR ACCESS TO THE PROPERTY, (ENTRANCE PERMIT), AND SERVICING EXCAVATIONS, (ROAD OCCUPANCY PERMIT), WITHIN THE MUNICIPAL RIGHT OF ALLOWANCE. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL CONDITIONS DICTATED BY SUCH PERMITS AT NO EXTRA COST TO THE OWNER. ALL PERMITS AND ASSOCIATED DRAWINGS AND CONDITIONS MUST BE ON-SITE AND AVAILABLE UPON REQUEST.

2.0 STORM SEWERS

- 2.1 ALL STORM SEWERS 450mm AND SMALLER TO BE PVC SDR-35, ASTM F794, ASTM D1784 OR LATEST REVISIONS.
- 2.2 ALL STORM SEWERS 525mm AND LARGER TO BE CONCRETE PER OPSS 1820 AND OPSS 1821.
- 2.3 BEDDING AND COVER FOR PVC SEWERS (FLEXIBLE PIPE) AS PER OPSD 802.010.
- 2.4 BEDDING AND COVER FOR CONCRETE SEWERS (RIGID PIPE) AS PER OPSD 802.030.
- 2.5 STORM MANHOLES SHALL BE AS PER OPSD AS SPECIFIED. BENCHING TO SPRINGLINE OF PIPE AS PER OPSD 701.021. FRAME & COVER AS PER OPSD 401.010 TYPE "A". COVERS TO BE EMBOSSED WITH THE WORD "STORM".
- 2.6 ALL CATCH BASIN MANHOLES AS PER OPSD AS SPECIFIED. FRAMES AND GRATES AS PER OPSD 400.010 WHEN ADJACENT TO CURB & 400.020 IN ALL OTHER CASES.
- 2.7 ALL MANHOLE AND CATCH BASIN ADJUSTMENTS SHALL BE AS PER OPSD 704.010. MAXIMUM OF THREE (3) UNITS AND 300mm HIGH, WHERE EXCEEDED CAST-IN-PLACE OR PRE-CAST RISER SECTIONS SHALL BE PROVIDED.
- 2.8 ALL CATCH BASINS SHALL BE AS PER OPSD AS SPECIFIED. FRAMES AND GRATES AS PER OPSD 400.010 WHEN ADJACENT TO CURB & 400.020 IN ALL OTHER CASES.
- 2.9 ALL CATCH BASIN CONNECTIONS SHALL BE AS PER OPSD 708.010 (RIGID PIPE) AND OPSD 708.030 (FLEXIBLE PIPE).
- 2.10 ALL SEWER SERVICE CONNECTIONS FOR FLEXIBLE PIPE SHALL BE AS PER OPSD 1006.020.
- 2.11 ALL TESTING OF STORM SERVICES TO BE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD SPECIFICATIONS.
- 2.12 ALL SINGLE CATCH BASIN LEADS TO BE 250mm AND DOUBLE CATCH BASIN LEADS TO BE 300mm, UNLESS NOTED OTHERWISE.

3.0 MAINTENANCE & OPERATION OF SEDIMENT CONTROLS

- 3.1 SEDIMENT FENCE TO BE INSTALLED BY THE CONTRACTOR IN LOCATIONS SHOWN ON PLAN AND AS DIRECTED BY SITE ENGINEER PRIOR TO CONSTRUCTION.
- 3.2 SEDIMENT FENCE MUST BE INSPECTED BY THE CONTRACTOR WEEKLY FOR RIPS OR TEARS, BROKEN STAKES, BLOW-OUTS AND ACCUMULATION OF SEDIMENT.
- 3.3 SEDIMENT FENCE MUST BE INSPECTED BY THE CONTRACTOR FOLLOWING ALL 10MM OR GREATER RAIN STORM EVENT OR AS DIRECTED BY ENGINEER.
- 3.4 SEDIMENT MUST BE REMOVED BY THE CONTRACTOR FROM SEDIMENT FENCE WHEN ACCUMULATION REACHES 50% OF THE HEIGHT OF FENCE.
- 3.5 ALL SEDIMENT FENCES MUST BE REMOVED BY THE CONTRACTOR ONLY WHEN THE ENTIRE SITE IS STABILIZED AND AS DIRECTED BY THE SITE ENGINEER.
- 3.6 EXISTING STREET CATCHBASINS AT CONSTRUCTION ENTRANCES TO INCLUDE SILT SACKS, AND INSPECTED FOLLOWING ALL 10MM OR GREATER RAIN STORM EVENTS, OR AS DIRECTED BY ENGINEER.
- 3.7 UPON INSTALLATION OF ALL FUTURE CATCH BASINS AND CATCH BASIN MANHOLES TO INCLUDE SILT SACKS, AND INSPECTED BY THE CONTRACTOR FOLLOWING ALL 10MM OR GREATER RAIN STORM EVENTS, OR AS DIRECTED BY ENGINEER.

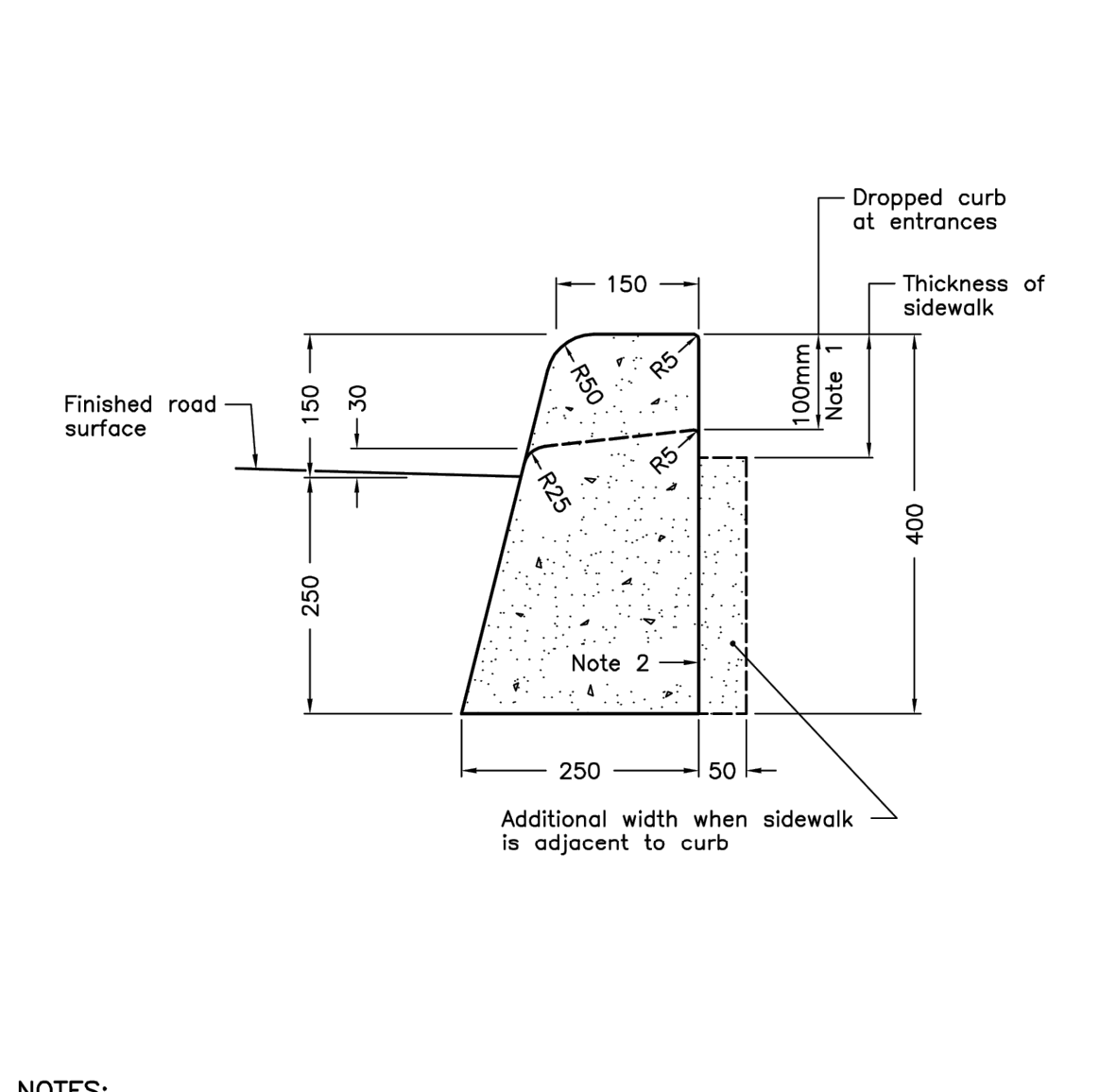
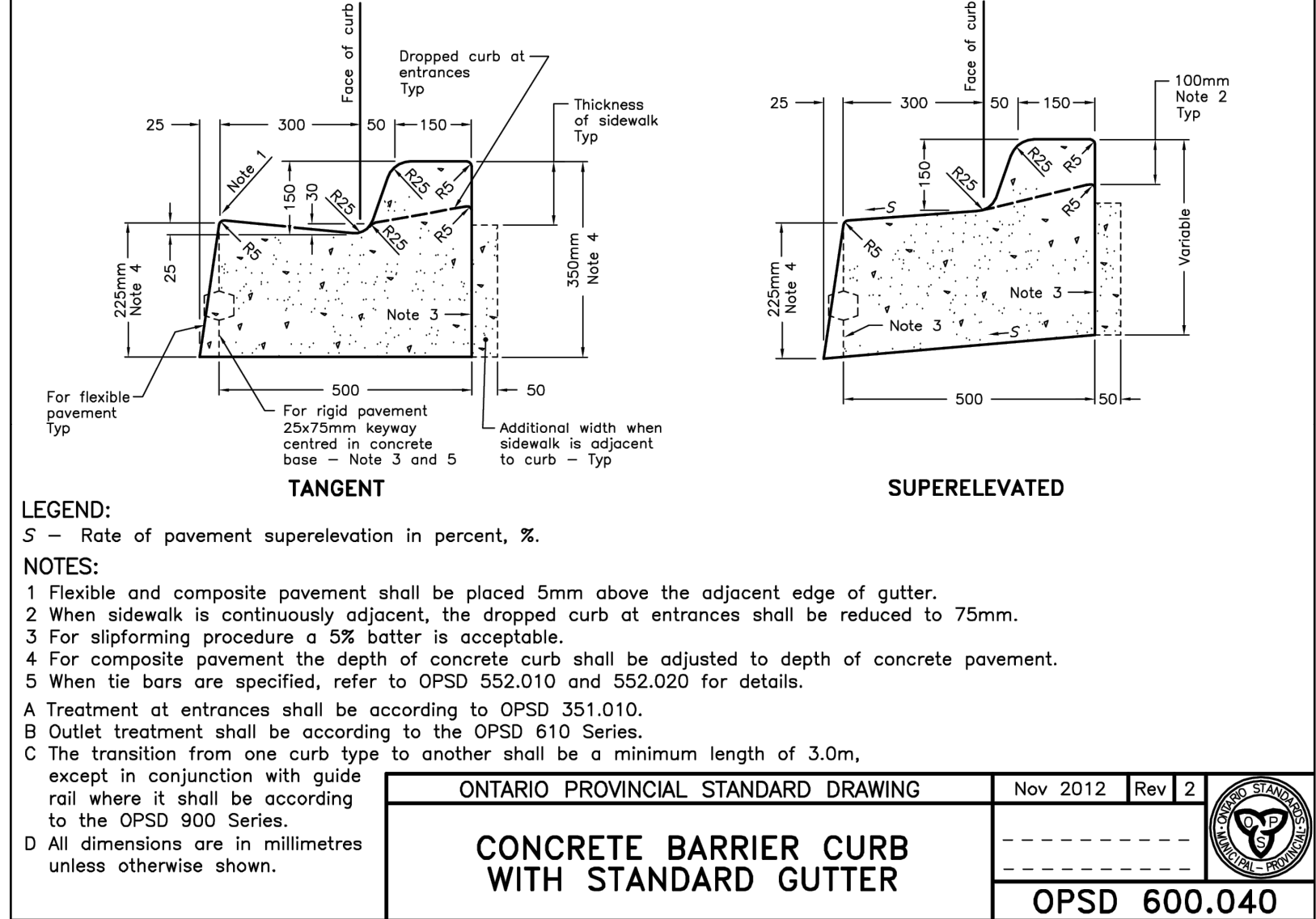
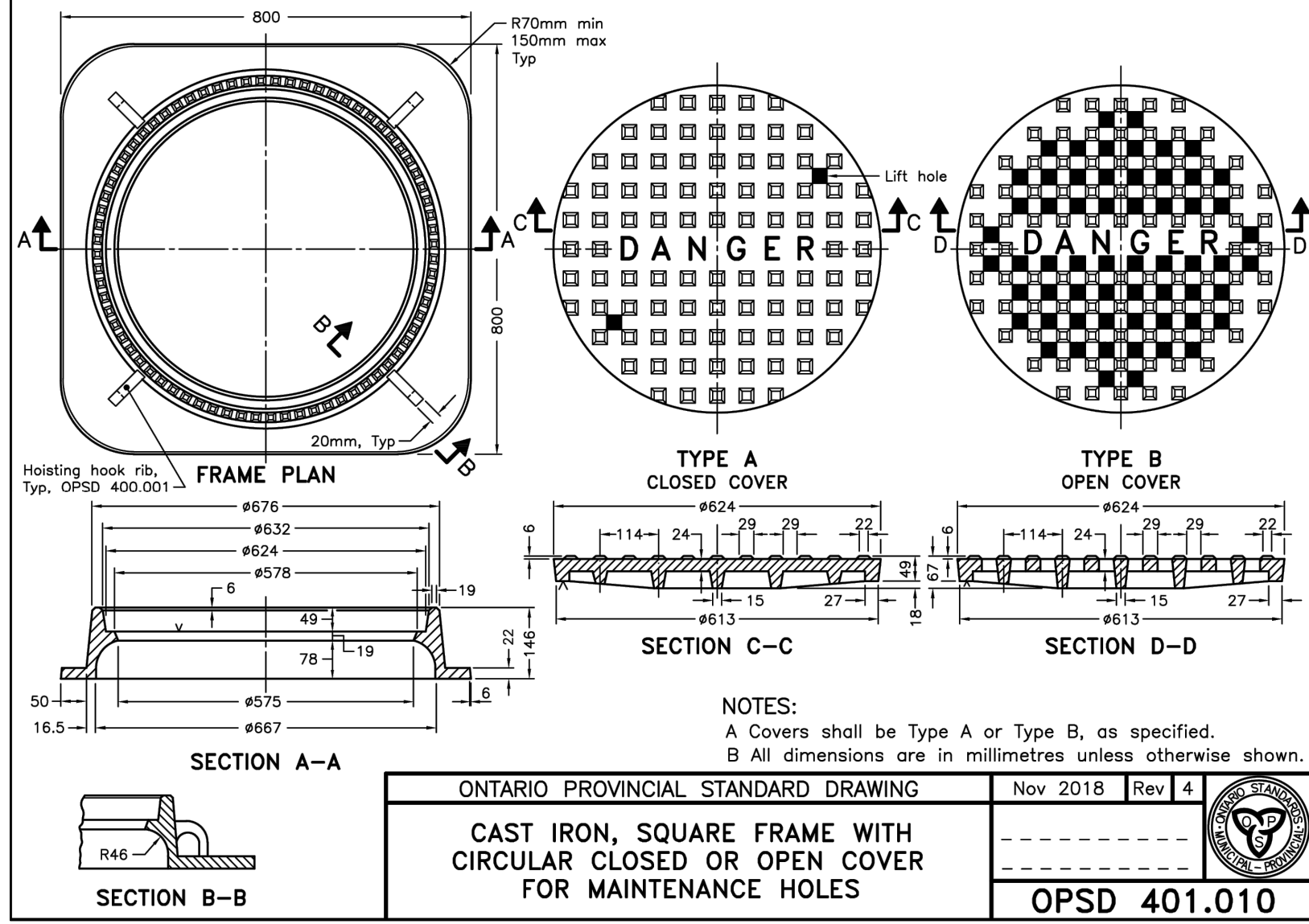
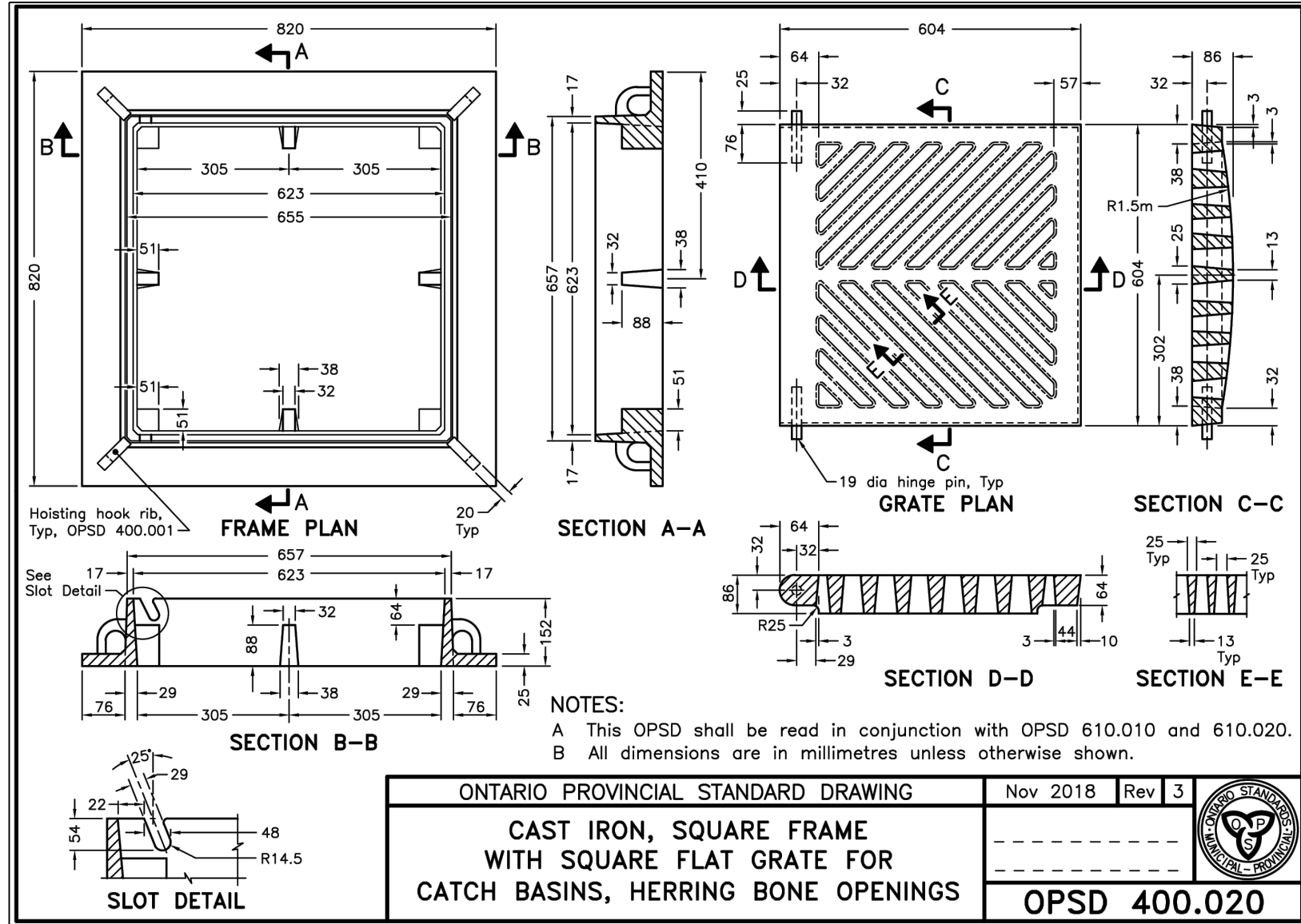
4.0 SITE GRADING

- 4.1 ALL GRADING MUST COMPLY WITH THE TOWN OF MILTON STANDARDS UNLESS OTHERWISE NOTED.
- 4.2 ENGINEERED FILL TO BE PLACED IN 300MM THICK LIFTS AND MECHANICALLY COMPACTED TO 100% SPMD AS RECOMMENDED OR AS APPROVED BY GEOTECHNICAL ENGINEER.
- 4.3 COMPACTION RESULTS AND CERTIFICATION FROM GEOTECHNICAL ENGINEER REQUIRED FOR ALL ENGINEERED FILL.
- 4.4 GEOTECHNICAL ENGINEER SHALL ASSESS AND CONFIRM SUITABILITY OF EXISTING INSITU SOILS TO ACCEPT ENGINEERED FILL AND MEET SPECIFICATIONS.
- 4.5 ALL FILLING OPERATIONS TO BE GRADED TO ENSURE SHEET FLOW DRAINAGE TO EXISTING OUTLET AS NOTED ON THE ESC PLAN. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED TESTING BY THE MUNICIPALITY AND/OR ENGINEER AS APPLICABLE.
- 4.6 CONTRACTOR TO PROVIDE TOPOGRAPHIC SURVEY AT THE FOLLOWING STAGES FOR REVIEW BY THE ENGINEER: (I) PRE-CONSTRUCTION, (II) AFTER THE COMPLETION OF TOPSOIL STRIPPING, (III) AFTER THE COMPLETION OF EARTHWORKS.

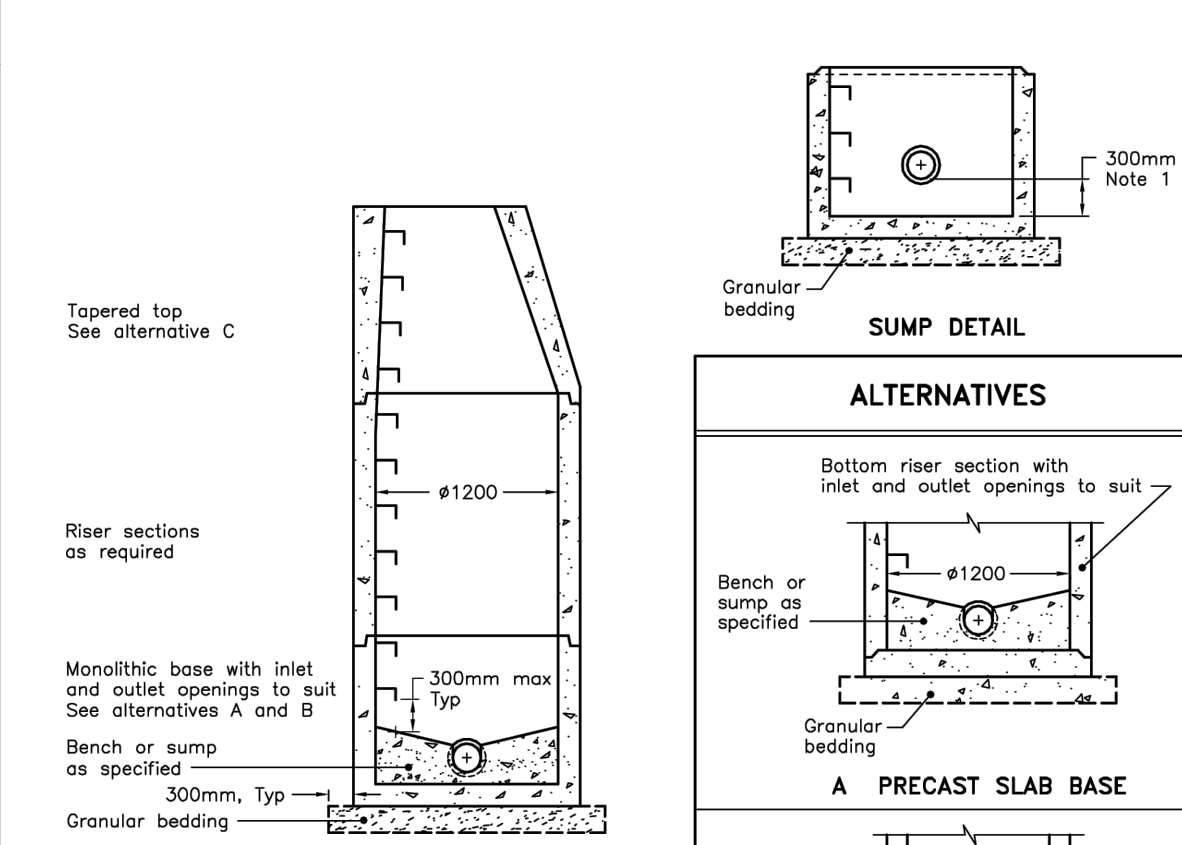
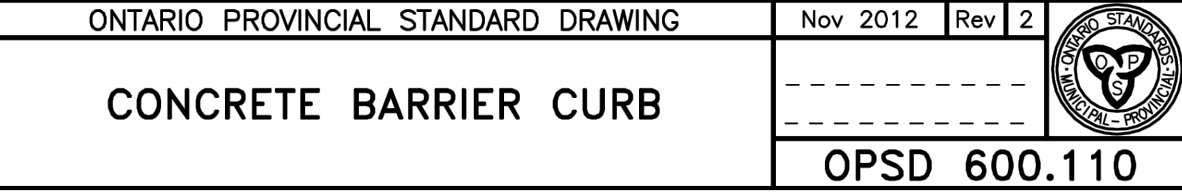
EROSION & SEDIMENT CONTROL NOTES:

1.0 GENERAL NOTES

- 1.1 ALL CONSTRUCTION EQUIPMENT TO REMAIN ON-SITE FOR THE DURATION OF ALL CONSTRUCTION ACTIVITIES. NO EXTERNAL ACCESS IS REQUIRED.
- 1.2 CONTRACTOR SHALL NOTIFY THE TOWN AND ENGINEER IN WRITING WITHIN 48 HOURS OF COMMENCING ANY SITE WORKS.
- 1.3 CONTRACTOR SHALL NOTIFY TOWN AND ENGINEER IN WRITING OF THE COMPLETION OF ANY CONTROL MEASURES WITHIN 24 HOURS AFTER THEIR INSTALLATIONS.
- 1.4 CONTRACTOR SHALL OBTAIN PERMISSION FROM THE DIRECTOR (ENGINEERING, TOWN OF MILTON), PRIOR TO MODIFYING THE ESC PLAN C101.
- 1.5 CONTRACTOR SHALL MAINTAIN ALL ROAD DRAINAGE SYSTEMS, STORMWATER DRAINAGE SYSTEMS, AND CONTROL MEASURES IDENTIFIED IN THE ESC PLAN C101.
- 1.6 CONTRACTOR SHALL IMMEDIATELY REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE-WAYS RESULTING FROM LAND DEVELOPING OR DISTURBING ACTIVITIES.
- 1.7 CONTRACTOR SHALL INSPECT THE CONSTRUCTION CONTROL MEASURES AT LEAST ONCE PER WEEK AND AFTER EACH RAINFALL OF 10MM OR GREATER AND MAKE NEEDED REPAIRS.
- 1.8 CONTRACTOR MUST ALLOW EMPLOYEES OF THE TOWN TO ENTER THE SITE FOR THE PURPOSE OF INSPECTING FOR COMPLIANCE WITH THE CONTROL PLAN OR FOR PERFORMING ANY WORK NECESSARY TO BRING THE SITE INTO COMPLIANCE WITH THE CONTROL PLAN.
- 1.9 CONTRACTOR MUST MAINTAIN A PRINTED COPY OF THE ESC PLAN C101 ON THE SITE.
- 1.10 CONTRACTOR TO REVIEW CONDITIONS OF ALL APPROVALS PRIOR TO CONSTRUCTION.
- 1.11 ALL STOCKPILE SIDE SLOPES TO BE 4:1 MAX. ANY STOCKPILES LEFT UNDISTURBED FOR 30 DAYS ARE TO BE SEEDDED WITH NATIVE GRASS.
- 1.12 CONTRACTOR TO EROSION AND SEDIMENT CONTROLS AS PER DRAWINGS AND ELSEWHERE AS NOTED BY THE ENGINEER.



- NOTES:
- 1 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
- 2 For slipforming procedure a 5% batter is acceptable.
- A Treatment at entrances shall be according to OPSD 351.010.
- B Outlet treatment shall be according to the OPSD 610 Series.
- C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
- D All dimensions are in millimetres unless otherwise shown.



- NOTES:
- 1 The sump is measured from the lowest invert.
- A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- B Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
- C Structure exceeding 5.0m in depth shall include safety platform according to OPSD 704.020.
- D Pipe support according to OPSD 708.020.
- E For benching and pipe opening details, see OPSD 701.021.
- F For adjustment unit and frame installation, see OPSD 704.010.
- G All dimensions are nominal.
- H All dimensions are in millimetres unless otherwise shown.

1. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC. AND THE REPRODUCTION OR REUSE OF ANY PART OF THIS DRAWING IS STRICTLY PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM THIS OFFICE.	ELEVATION NOTE: ELEVATIONS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS TO PERMANENT REFERENCE STATION IN THE NAD83 (CSRS-2010) COORDINATE SYSTEM WITH HEIGHTS CONVERTED TO ORTHOMETRIC ELEVATIONS ON THE CGVD28 DATUM (1978 ADJUSTMENT) WITH GEOID MODEL HTV2.0, AS SUPPLIED BY NATURAL RESOURCES CANADA.
2. THE DIGITAL FILES CONTAINING INTELLECTUAL AND DIGITAL DATA PROPERTY THAT IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC.	
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO C.F. CROZIER & ASSOCIATES INC. PRIOR TO CONSTRUCTION.	SITE BENCHMARKS: SITE TBM 1: CUT CROSS ON CONCRETE SIDEWALK, 214.54M. TBM 2: CUT CROSS ON CONCRETE SIDEWALK, 213.64M.
4. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT.	
5. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.	SURVEY NOTES: THE TOPOGRAPHIC SURVEY WAS COMPLETED BY VAN HARTEN LAND SURVEYORS AND PROFESSIONAL ENGINEERS ON JUNE 5, 2025. PROJECT NO. 34292-25
6. DO NOT SCALE DRAWINGS.	

Regional	Town
Halton THE REGIONAL MUNICIPALITY OF HALTON	TOWN OF MILTON ENGINEERING SERVICES DEPARTMENT
FILE NUMBER	FILE NUMBER
LEGISLATIVE AND PLANNING SERVICES DEPARTMENT	DIRECTOR OF ENGINEERING SERVICES/ DIRECTOR OF COMMUNITY SERVICES
DATE	MANAGER OF DEVELOPMENT ENGINEERING/ MANAGER OF PARKS AND OPEN SPACE

No.	ISSUE	DATE: YYYY/MM/DD
0	ISSUED FOR 1ST SUBMISSION	2025/09/26

Engineer	Engineer	Project

FOR REVIEW
NOT TO BE USED FOR CONSTRUCTION

Project	8465 BOSTON CHURCH ROAD TOWN OF MILTON
Drawing	

Drawn By	M.P.H.	Design By	M.P.H./J.K.F.	Project	2878-7432
Check By	J.B.	Check By	M.B.	Drawing	C104

