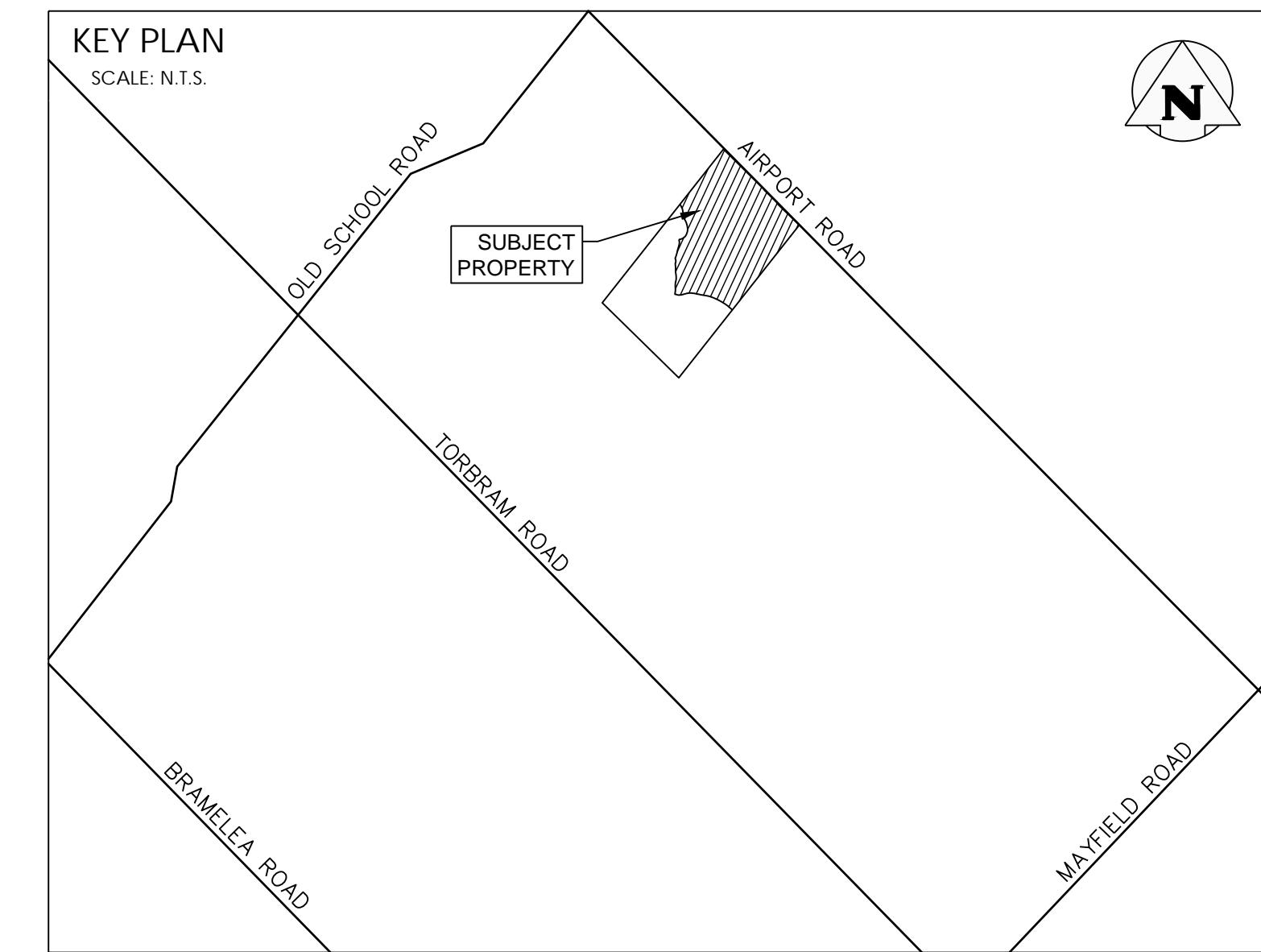


# BROCCOLINI AIRPORT ROAD

BROCCOLINI AIRPORT ROAD LP

OLD SCHOOL ROAD / AIRPORT ROAD  
TOWN OF CALEDON  
REGION OF PEEL



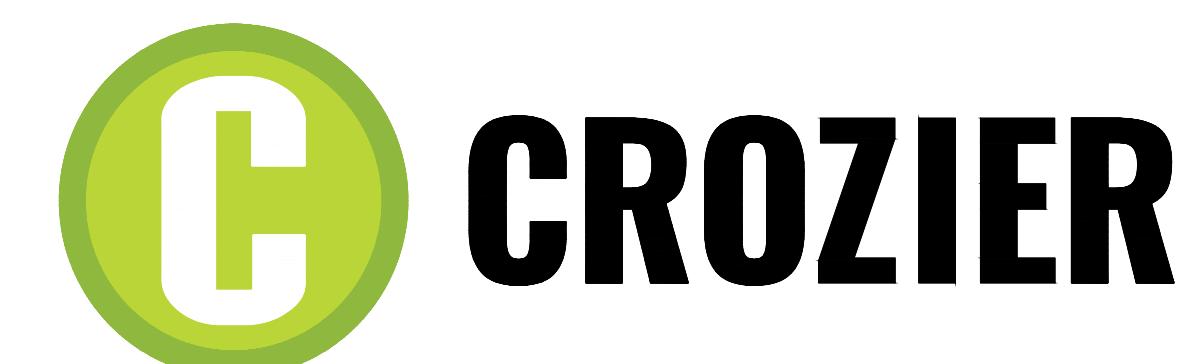
Sheet Number	TITLE		Sheet Title
00	C100		COVER
01	C101		EROSION & SEDIMENT CONTROL PLAN
02	C101 A		EROSION & SEDIMENT CONTROL DETAILS
04	C102		SITE SERVICING PLAN
05	C102 A		SITE SERVICING PLAN
06	C102 B		SITE SERVICING PLAN
07	C102 C		SITE SERVICING PLAN
08	C103		SITE GRADING PLAN
09	C103 A		SITE GRADING PLAN
10	C103 B		SITE GRADING PLAN
11	C103 C		SITE GRADING PLAN
12	C104		STANDARD DETAILS – REGION OF PEEL
13	C104 A		STANDARD DETAILS – ONTARIO PROVINCIAL
14	C104 B		STANDARD DETAILS – ONTARIO PROVINCIAL
15	C104 C		NORTH CONTROL MANHOLE DETAIL
16	C104 D		SOUTH CONTROL MANHOLE DETAIL
17	C105		NOTES

**BROCCOLINI AIRPORT ROAD LP**  
2680 SKYMARK AVENUE, SUITE 800  
MISSISSAUGA, ON, L4W 5L6

**REGION OF PEEL**  
10 PEEL CENTRE DRIVE  
BRAMPTON, ON, L6T 4B9

**POWERS BROWN ARCHITECTURE**  
411 RICHMOND ST. E, SUITE 206  
TORONTO, ON, M5A 3S5

**TOWN OF CALEDON**  
6311 OLD CHURCH RD.  
CALEDON, ON, L7C 1J6



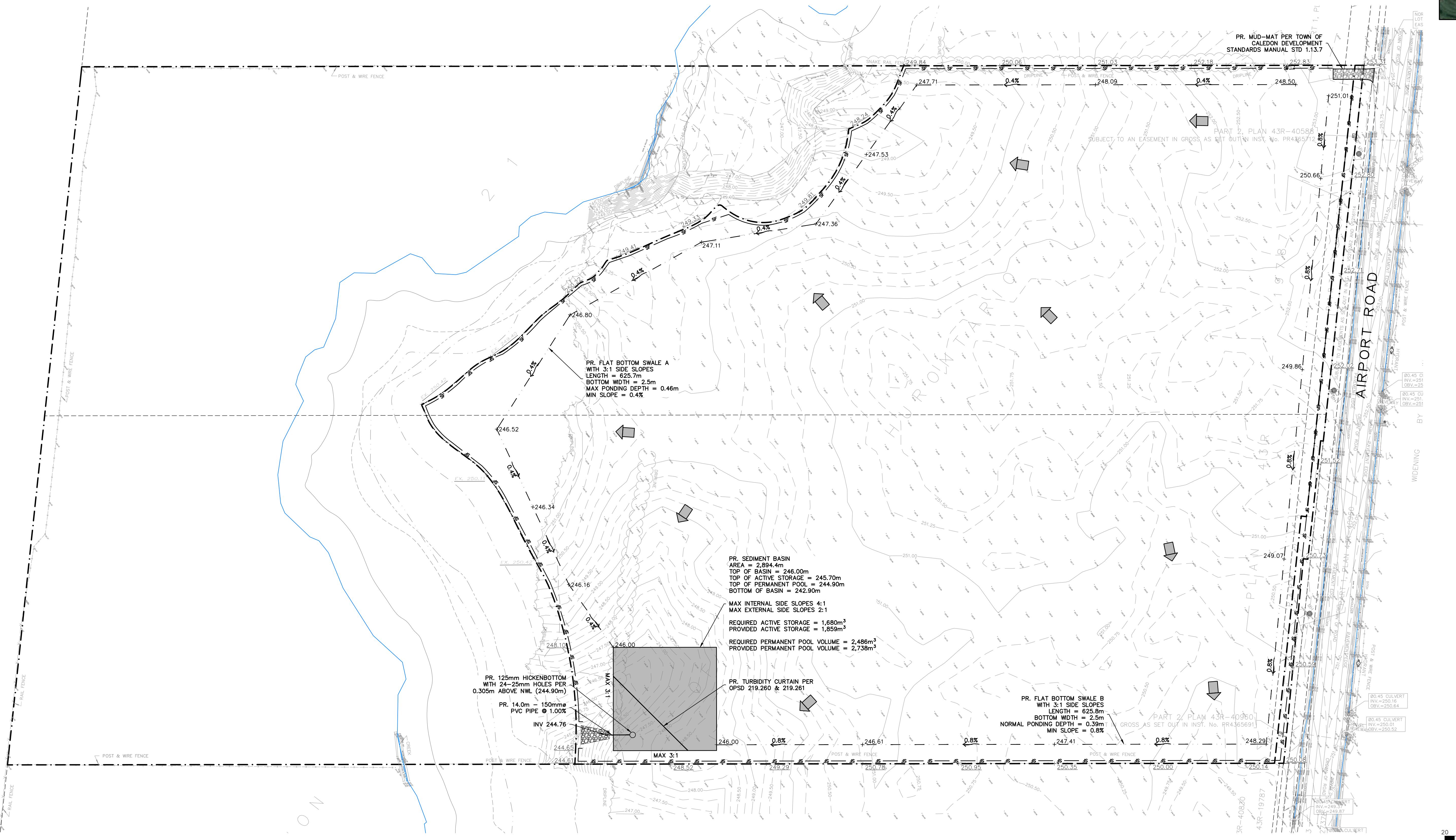
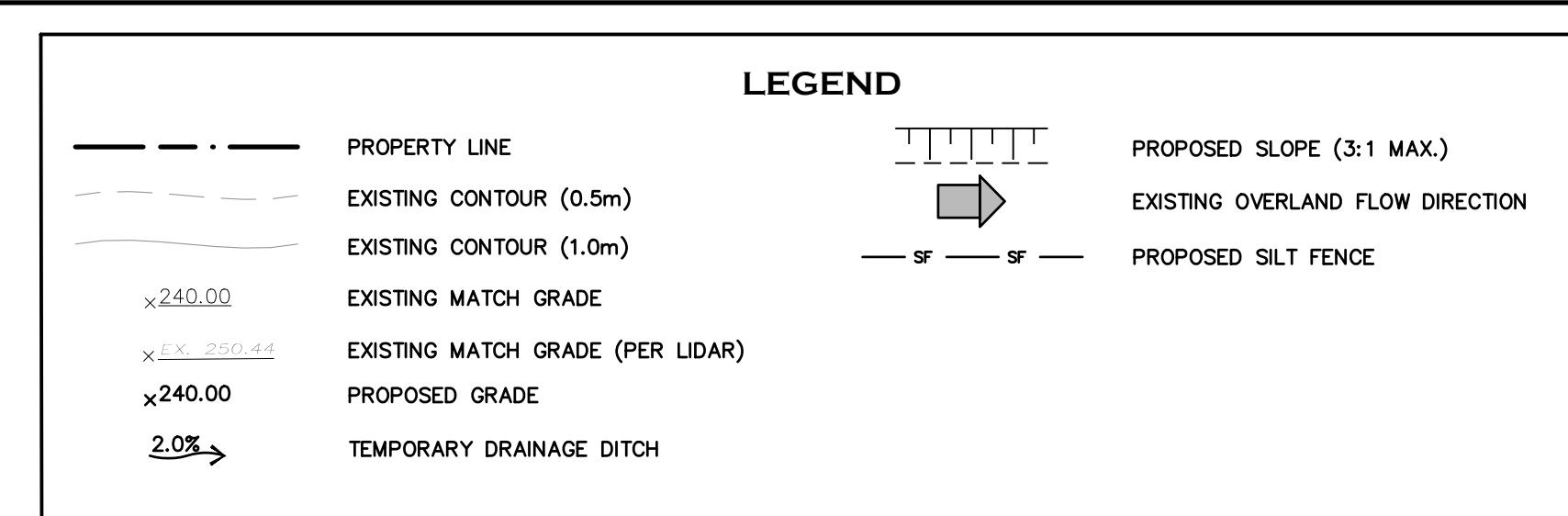
211 Yonge Street  
Suite 600  
Toronto, ON, M5B 1M4  
416-477-3392 T  
www.cfcrozier.ca  
info@cfcrozier.ca

PROJECT No.: 2278-7228

ISSUED FOR FIRST SUBMISSION (ZBA/SPA)



2278-7228



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6. DO NOT SCALE DRAWINGS.

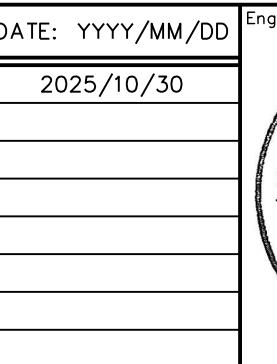
**BENCHMARKS**  
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BRASS CAP SET IN CONCRETE, 72.80 METERS SOUTH OF THE CENTRELINE OF MAYFIELD ROAD AND 19.81 METERS EAST OF THE CENTRELINE OF TORBRAM ROAD.  
SURVEY COMPLETED BY R-PE SURVEYING LTD. (2022/DEC/12)  
REFERENCE NO. 22-317

**SITE PLAN NOTES**  
DESIGN ELEMENTS ARE BASED ON SITE PLAN PROVIDED BY POWERS BROWN ARCHITECTURE  
PROJECT NO: 255025, DRAWING NO: AS101 (2025/09/09)



# BROCCOLINI SITE PLAN TOWN OF CALEDON

## EROSION & SEDIMENT CONTROL PLAN



A circular logo containing the text "LICENCED PROFESSIONAL ENGINEER".

30, 2025  
78-7228



# CROZIER

**TOPSOIL AND EROSION AND SEDIMENT CONTROL (ESC) MANAGEMENT STRATEGY**

THE EROSION AND SEDIMENT CONTROLS SHALL BE A MULTI BARRIER APPROACH TO PREVENT EROSION DURING CONSTRUCTION TO DEAL WITH SEDIMENT TRANSPORT AT SOURCE AND TO MINIMIZE SEDIMENT TRANSPORT FROM LEAVING THE SITE. THE INSPECTION AND MAINTENANCE OF THE SEDIMENT CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL INSPECT, MAINTAIN AND MAINTENANCE UNTIL THE SOIL HAS BEEN STABILIZED. THE CONTRACTOR SHALL KEEP A COPY OF THE ESC PLANS AND THE TORONTO AND REGION CONSERVATION AUTHORITY, EROSION AND SEDIMENT CONTROL GUIDELINE, DECEMBER 2006, ON SITE AT ALL TIMES.

**GENERAL NOTES**

EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.

1. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE. THE MINIMUM LANDSCAPE FROM LEAVING THE SITE, THE INSPECTION AND MAINTENANCE OF THE SEDIMENT CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL INSPECT, MAINTENANCE AND MAINTENANCE UNTIL THE SOIL HAS BEEN STABILIZED. THE CONTRACTOR SHALL KEEP A COPY OF THE ESC PLANS AND THE TORONTO AND REGION CONSERVATION AUTHORITY, EROSION AND SEDIMENT CONTROL GUIDELINE, DECEMBER 2006, ON SITE AT ALL TIMES.
2. AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS, AS WELL AS ON A REGULAR BASIS, OR FOLLOWING RAIN/SNOWMELT EVENT, TO MONITOR ALL WORKS, AND IN PARTICULAR WORKS RELATED TO EROSION AND SEDIMENT CONTROLS. THIS CONCERN SHALL CONCERN THE ENVIRONMENTAL MONITOR WHO WILL CONTACT THE TRCA ENFORCEMENT OFFICER AS NEEDED.
3. ACTIVE EROSION CONTROL MAINTENANCE PROCEDURES WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30M FROM THE WATER.

**STANDARD NOTES**

THE FOLLOWING STANDARD NOTES ARE TO APPEAR ON THE EROSION AND SEDIMENT CONTROL PLANS FOR SITE PLAN SUBMISSIONS:

1. ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORKS ON SITE AND SHALL BE MAINTAINED DURING ALL CONSTRUCTION PHASES OF THE WORKS.
2. THE ESC STRATEGIES OUTLINED ON THIS PLAN ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE. THE MINIMUM LANDSCAPE FROM LEAVING THE SITE, THE INSPECTION AND MAINTENANCE OF ANY CHANGES TO ESC MEASURES, AND AT THE DISCRETION OF THE TOWN, UPDATED PLANS MAY BE REQUIRED.
3. THE CONTRACTOR IS TO ASSIGN AN ENVIRONMENTAL MONITOR (EM) TO ASSURE CONSTRUCTION ACTIVITIES COMPLY WITH THE ENVIRONMENTAL PROVISIONS AND AGENCY PERMITS. THE EM WILL BE A QUALIFIED PERSON AS DETERMINED BY THE TOWN AND/OR CONSERVATION AUTHORITY. THE EM SHOULD SUBMIT INSPECTION FORMS ELECTRONICALLY TO THE TOWN AND/OR CONSERVATION AUTHORITY.
4. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ESC MEASURES IN WORKING CONDITION AT ALL TIMES TO THE SATISFACTION OF THE TOWN AND/OR CONSERVATION AUTHORITY. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.
5. FREQUENCY OF INSPECTIONS OF ESC MEASURES IS AS FOLLOWS: DURING EARTHWORKS ACTIVITIES.
6. ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY FROM THE APPROVED ACCESS ROUTE(S) AS SHOWN ON THE PLANS. CONSTRUCTION ACCESS WILL BE MAINTAINED TO THE SATISFACTION OF THE TOWN/REGION. STREET SWEEPING IS REQUIRED AS NEEDED.

**TOWN OF CALEDON EROSION AND SEDIMENT CONTROL NOTES:**

THE FOLLOWING STANDARD NOTES ARE TO APPEAR ON THE EROSION AND SEDIMENT CONTROL PLANS FOR SITE PLAN SUBMISSIONS:

1. ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF WORKS ON SITE AND SHALL BE MAINTAINED DURING ALL CONSTRUCTION PHASES OF THE WORKS.
2. MANAGE CONSTRUCTION EROSION AND SEDIMENT CONTROL THROUGH DEVELOPMENT AND IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL (ESC) PLAN. THE ESC PLAN SHALL HAVE REGARD TO:

  - CANADIAN STANDARDS ASSOCIATION (CSA) W202 EROSION AND SEDIMENT CONTROL INSPECTION AND MONITORING STANDARD (AS AMENDED); OR
  - EROSION AND SEDIMENT CONTROL GUIDELINE FOR URBAN CONSTRUCTION 2019 BY TRCA (AS AMENDED).

3. INSTALLATION, MAINTENANCE AND REMOVAL OF THE ESC MEASURES SPECIFIED IN THE ESC PLAN SHALL HAVE REGARD TO CSA W202: EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE (AS AMENDED).
4. THE ESC STRATEGIES OUTLINED ON THIS PLAN ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE. PREVENT SEDIMENT RELEASE INTO THE WORK AREA. THE TOWN IS TO BE ADVISED OF ANY CHANGES TO ESC MEASURES, AND AT THE DISCRETION OF THE TOWN, UPDATED PLANS MAY BE REQUIRED.

5. THE CONTRACTOR IS TO ASSIGN AN ENVIRONMENTAL MONITOR (EM) TO ASSURE CONSTRUCTION ACTIVITIES COMPLY WITH THE ENVIRONMENTAL PROVISIONS AND AGENCY PERMITS. THE EM WILL BE A QUALIFIED PERSON AS DETERMINED BY THE TOWN AND/OR CONSERVATION AUTHORITY. THE EM SHOULD SUBMIT INSPECTION FORMS ELECTRONICALLY TO THE TOWN AND/OR CONSERVATION AUTHORITY.

6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ESC MEASURES IN WORKING CONDITION AT ALL TIMES TO THE SATISFACTION OF THE TOWN AND/OR CONSERVATION AUTHORITY. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.

7. THE CONTRACTOR SHALL ROUTINELY INSPECT ALL ESC DEVICES, TO ENSURE PROPER WORKING ORDER.

FREQUENCY OF INSPECTIONS OF ESC MEASURES IS AS FOLLOWS:

- ONCE PER WEEK DURING EARTHWORKS ACTIVITIES
- ONCE EVERY TWO WEEKS DURING TIMES OF NO EARTHWORKS
- PRIOR TO PREDICTED RAINFALL EVENTS OF 10 MM OR MORE OVER 12 HOURS
- PRIOR TO HURRICANE EVERAL EARTHWORKS EVENT OF 10 MM OR MORE OVER 12 HOURS
- PRIOR TO SIGNIFICANT SNOWMELT EVENTS
- WITHIN 48 HOURS OF SIGNIFICANT SNOWMELT EVENTS, AND DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS

AFTER EXTREME WEATHER EVENTS (FOR EXAMPLE: WIND)

7. RECORD OF ESC INSPECTIONS SHALL BE ROUTINELY SUBMITTED TO THE TOWN AND INCLUDE AT MINIMUM: THE NAME OF THE INSPECTOR, DATE OF INSPECTION, VISUAL OBSERVATIONS, AND THE REMEDIAL MEASURES, IF ANY, UNDERTAKEN TO MAINTAIN THE TEMPORARY ESC MEASURES.

8. ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY FROM THE APPROVED ACCESS ROUTE(S) AS SHOWN ON THE PLANS. CONSTRUCTION ACCESS WILL BE MAINTAINED TO THE SATISFACTION OF THE TOWN/REGION. STREET SWEEPING IS REQUIRED AS NEEDED.

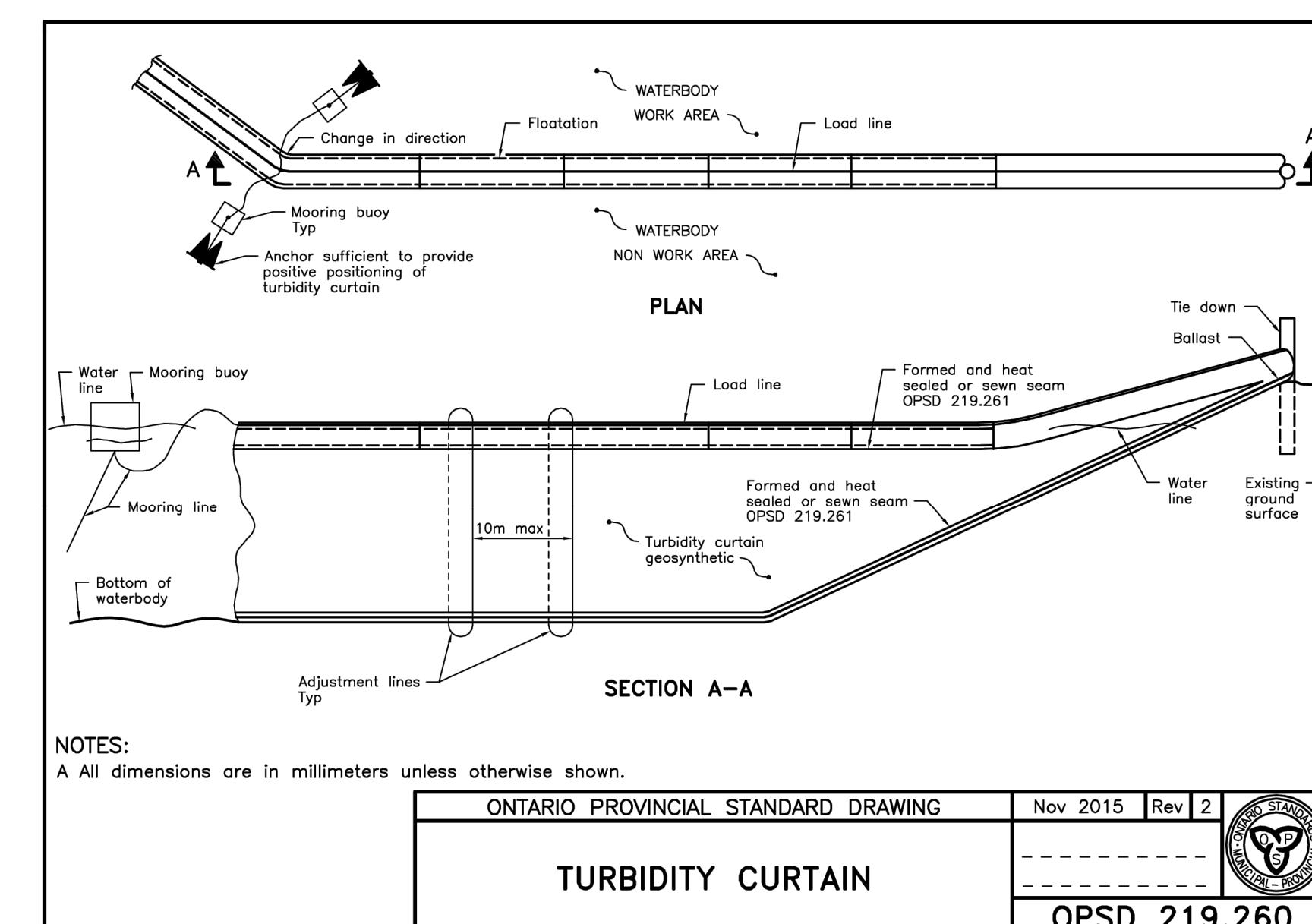
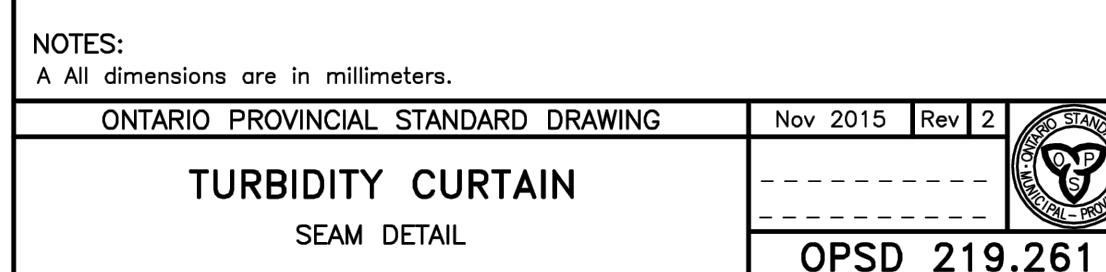
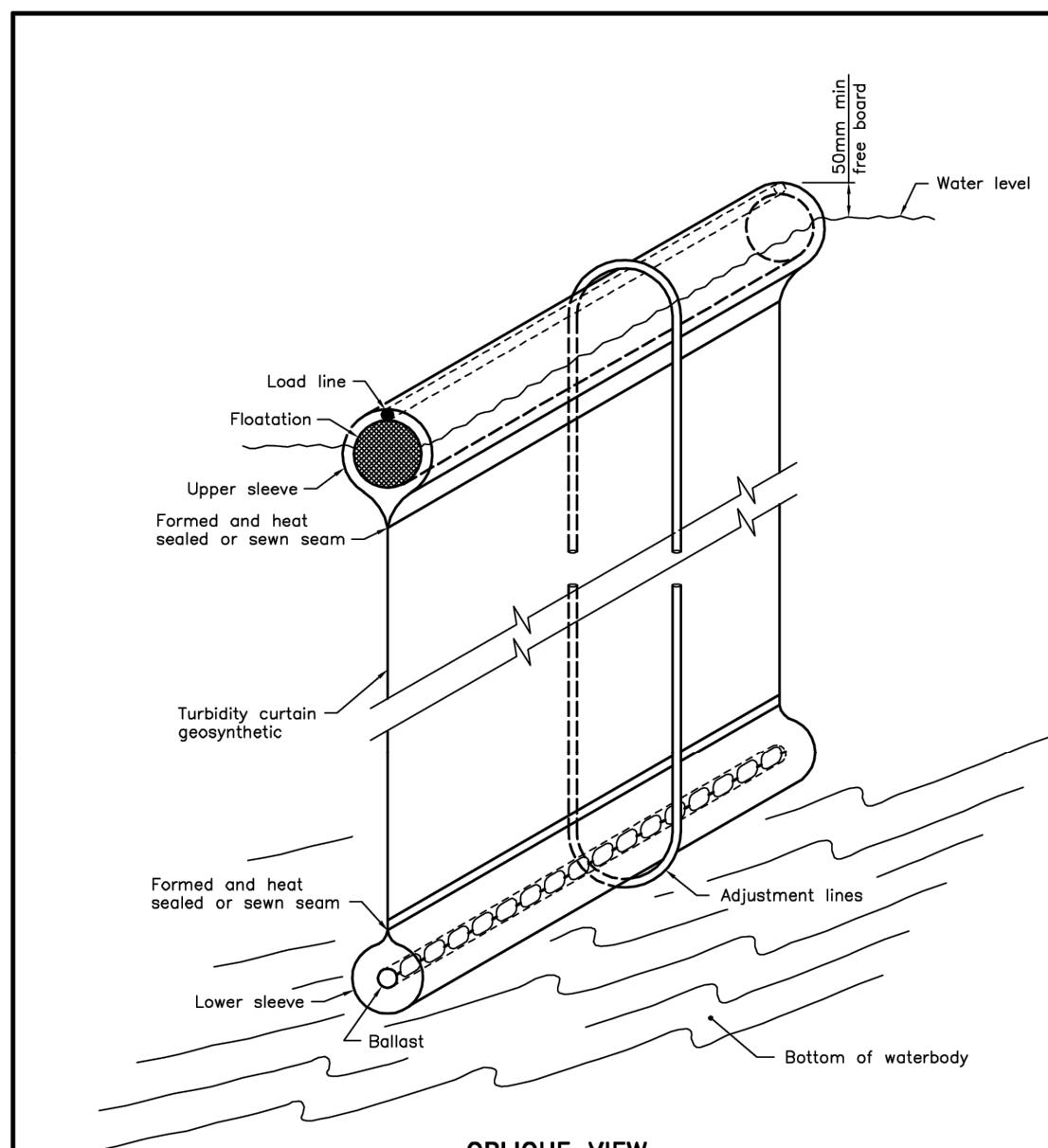
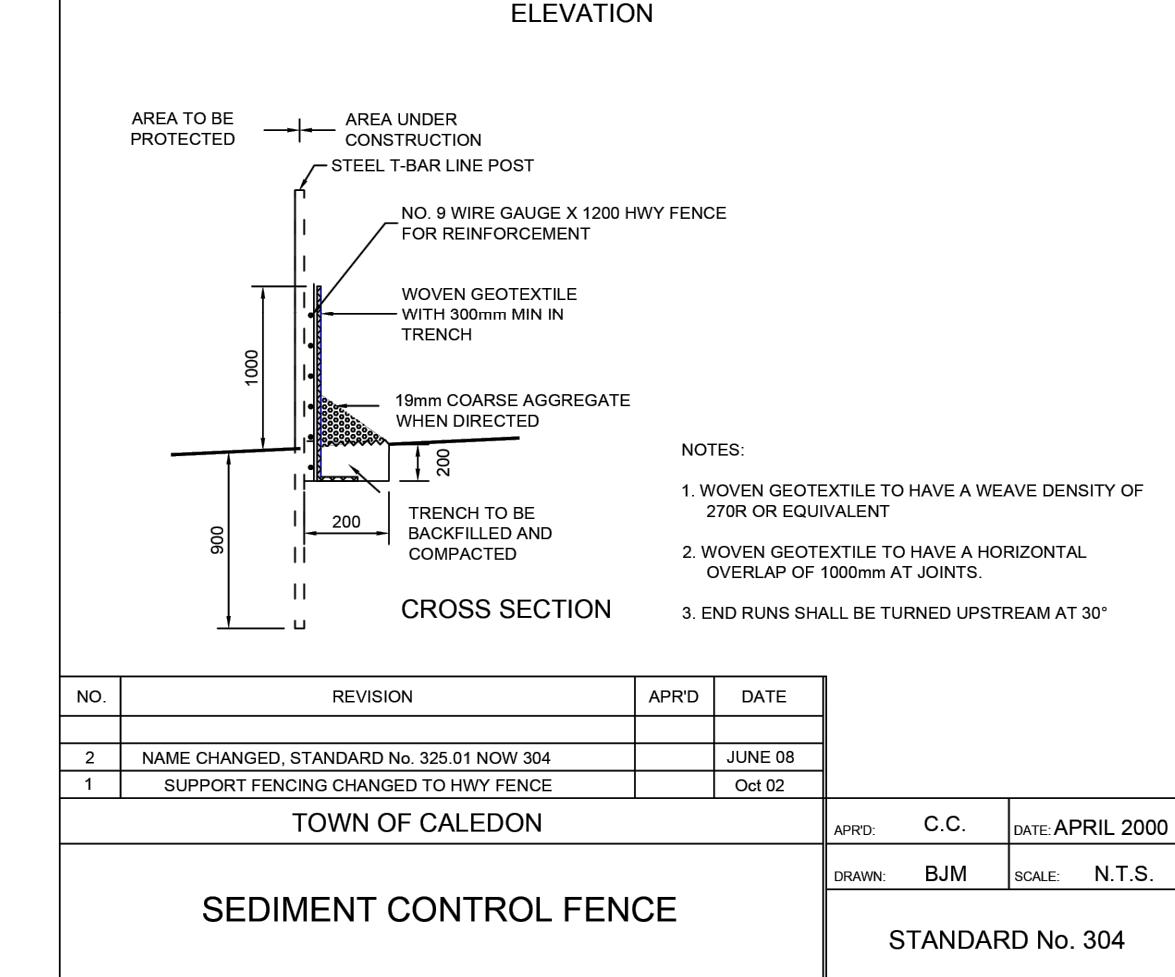
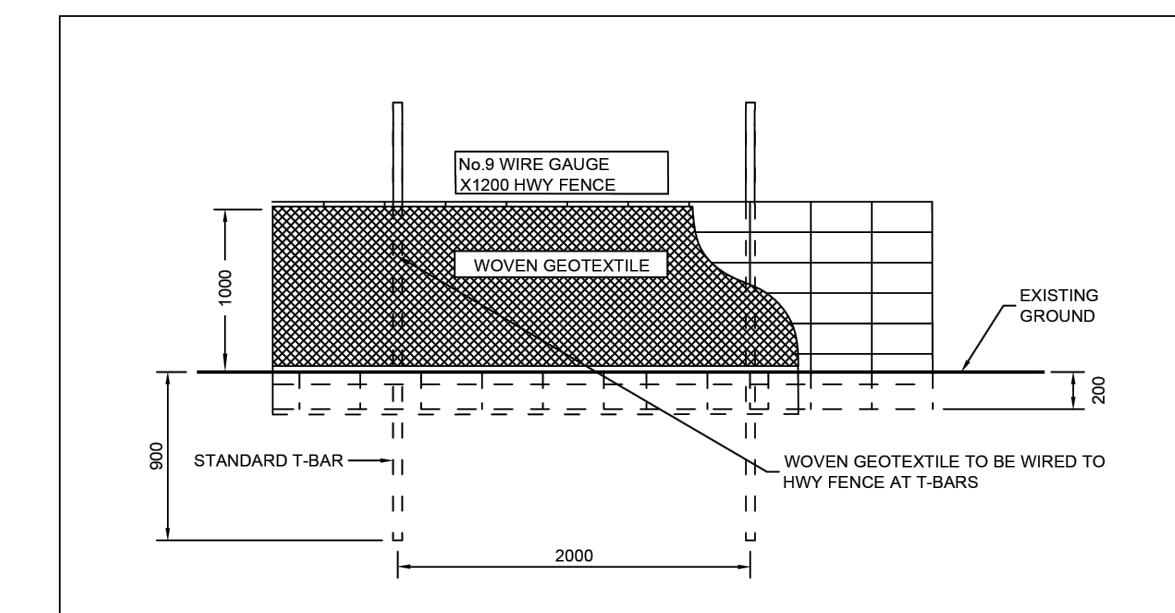
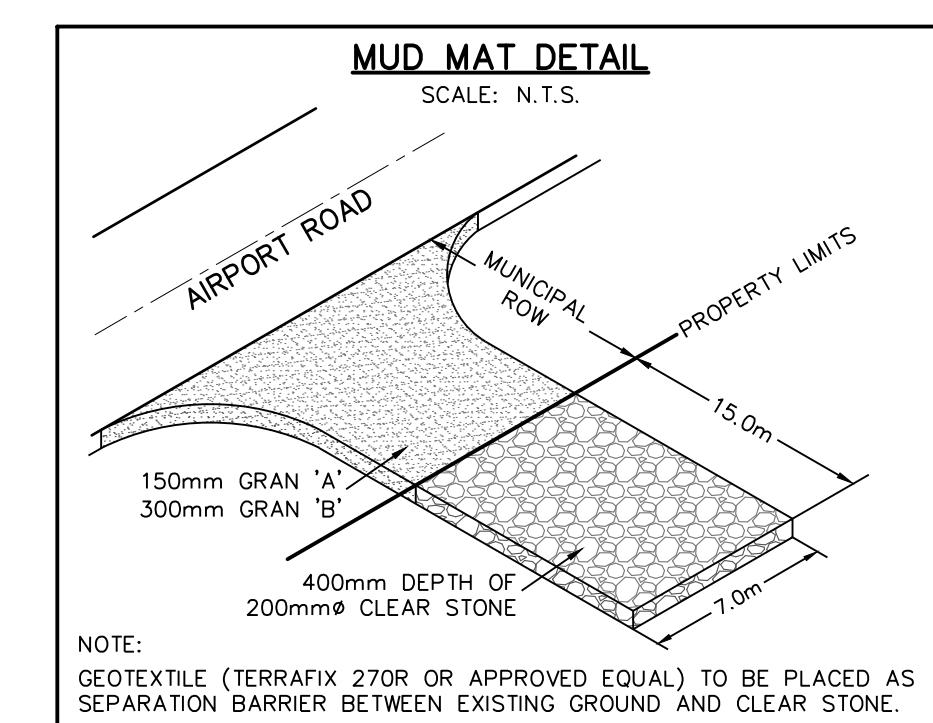
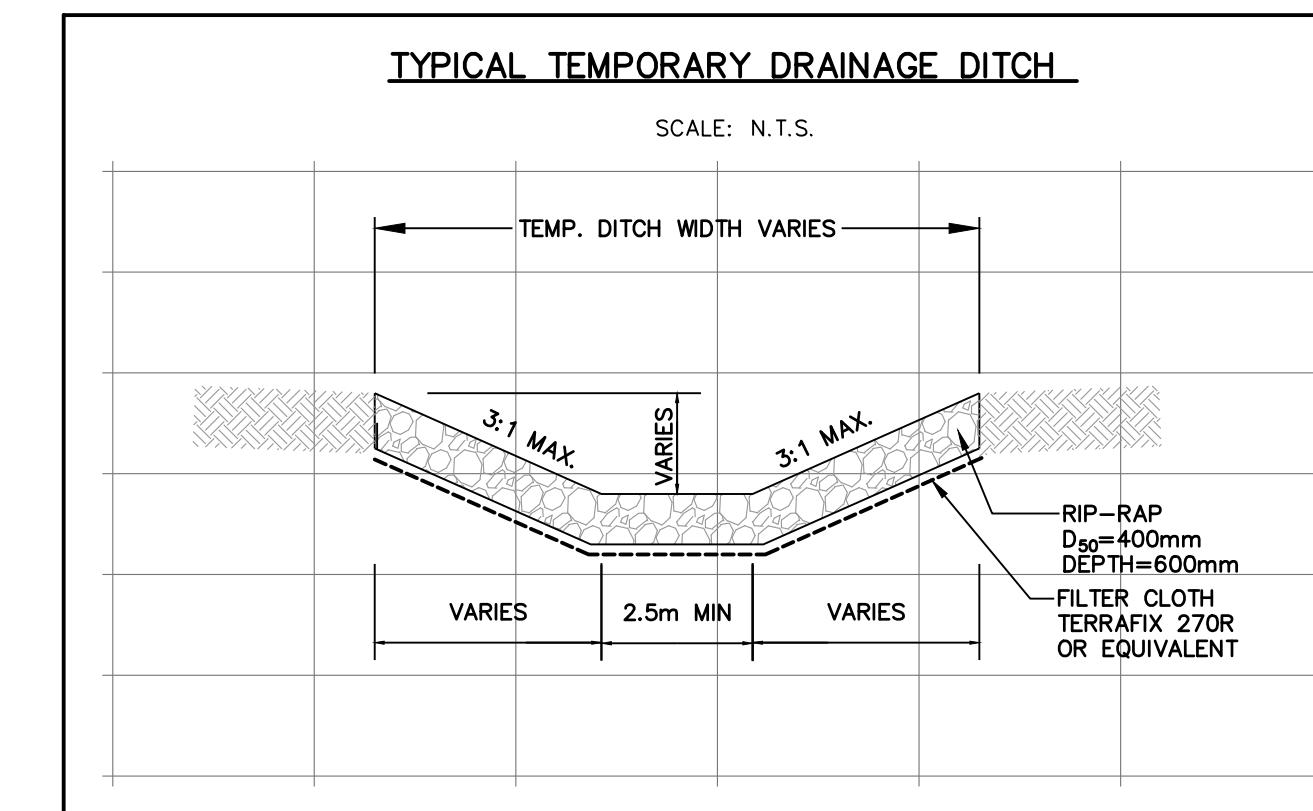
9. NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL BE ALLOWED BEYOND THE SILT FENCE OR LIMITS OF THE SITE WORKS.

10. THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT DUST CONTROL MEASURES AND CONSTRUCTION BEST PRACTICE GUIDELINES AS APPROVED BY THE TOWN AND/OR CONSERVATION AUTHORITY.

11. ALL DISTURBED GROUND LEFT INACTIVE FOR 30 DAYS SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS. DISTURBED AREAS ARE TO BE HYDROSEEDED (OR APPROVED EQUIVALENT) TO THE SATISFACTION OF THE TOWN.

12. ALL TOPSOIL STOCKPILES SHALL BE SURROUNDED WITH SEDIMENT CONTROL FENCE. THE MAXIMUM SIDE SLOPE SHALL BE 2:1 (H:V). ONCE TOPSOIL STRIPPING IS COMPLETED THE STOCKPILE SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS, BY HYDROSEEDED, OR AN APPROVED EQUIVALENT, TO THE SATISFACTION OF THE TOWN.

13. CONTRACTOR SHALL TAKE CARE AND CONTROL SPILLS, FLUIDS AND MATERIALS DURING CONSTRUCTION TO MINIMIZE RISK TO THE ENVIRONMENT.



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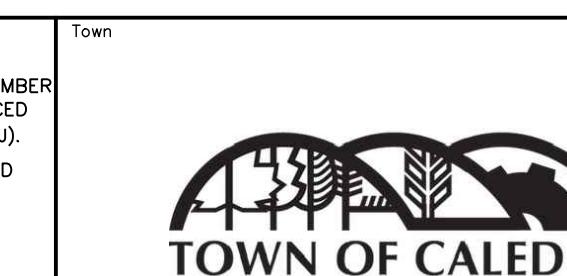
**BENCHMARKS**

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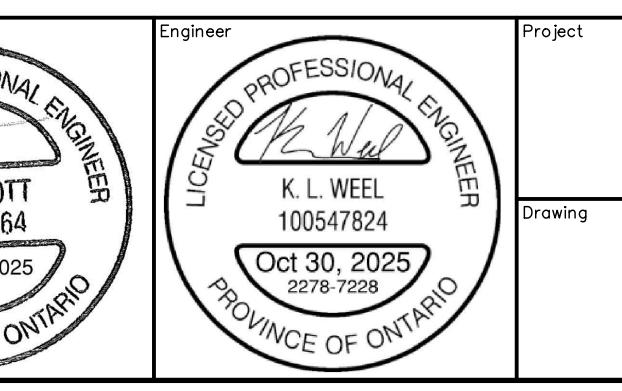
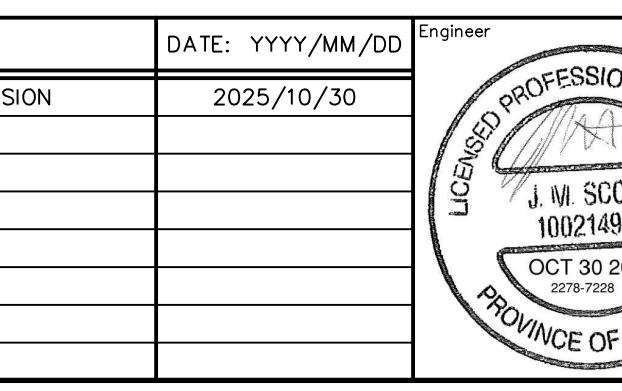
SURVEY COMPLETED BY R-PE SURVEYING LTD. (2022/DEC/12) REFERENCE NO. 22-317

**SITE PLAN NOTES**

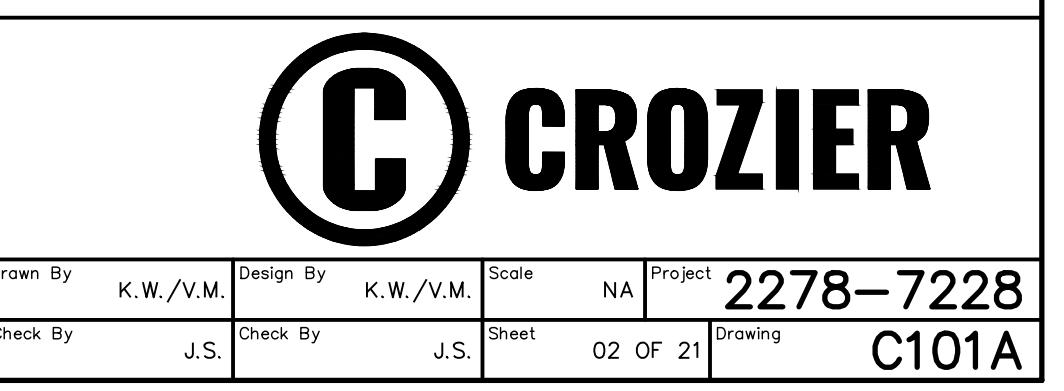
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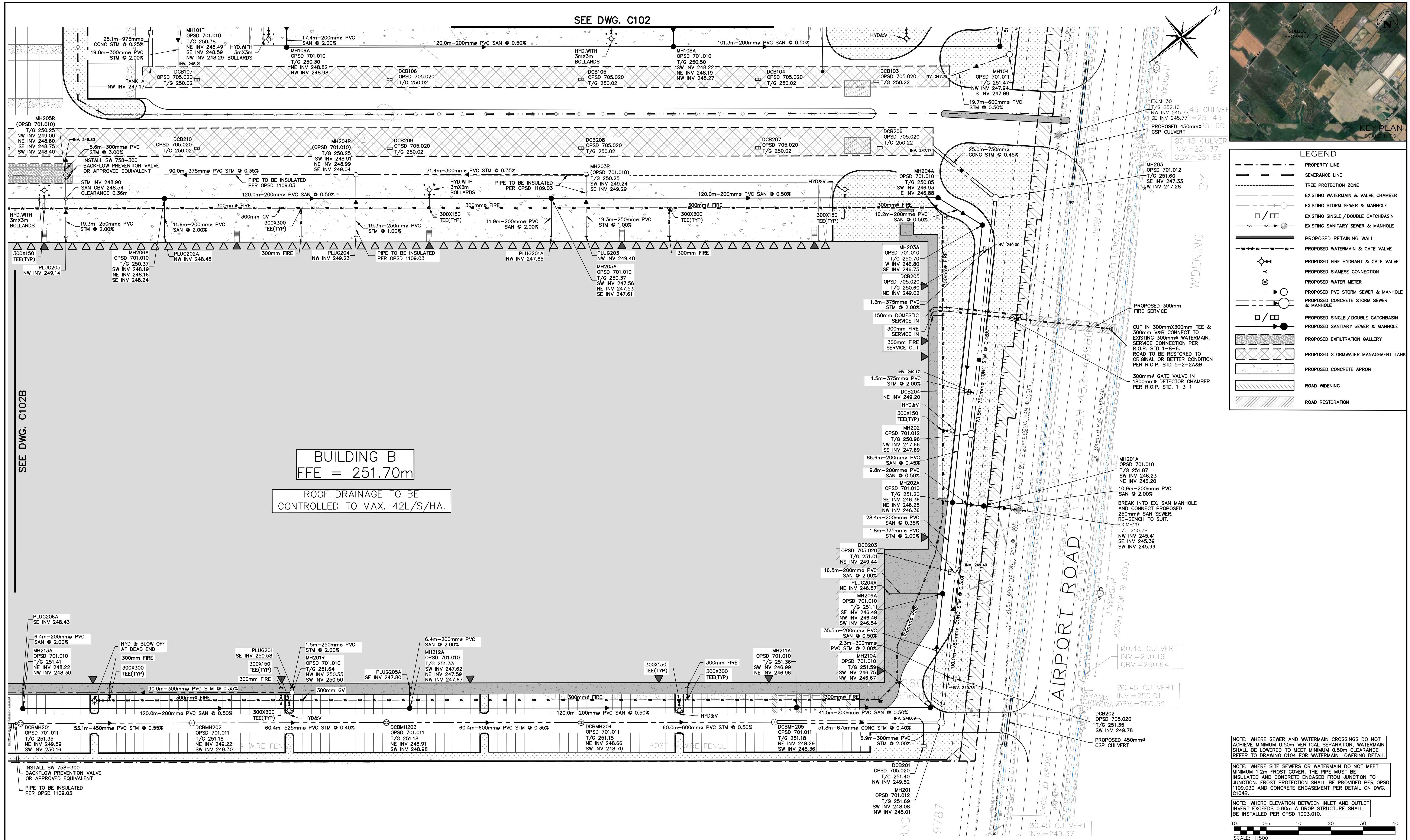
No.	ISSUE	DATE: YYYY/MM/DD
1	ISSUED FOR FIRST ZBA/SPA SUBMISSION	2025/10/30



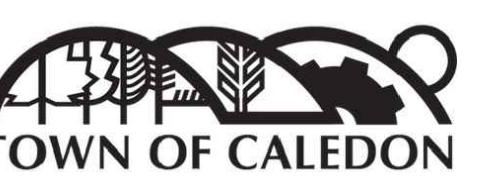
Project	Drawing	BROCCOLINI SITE PLAN TOWN OF CALEDON	EROSION & SEDIMENT CONTROL DETAILS







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DATE: YYYY/MM/DD	Engineer
2025/10/30	

Engineer

LICENSED PROFESSIONAL ENGINEER

*cl. Forsyth*

I. A. FORSYTH

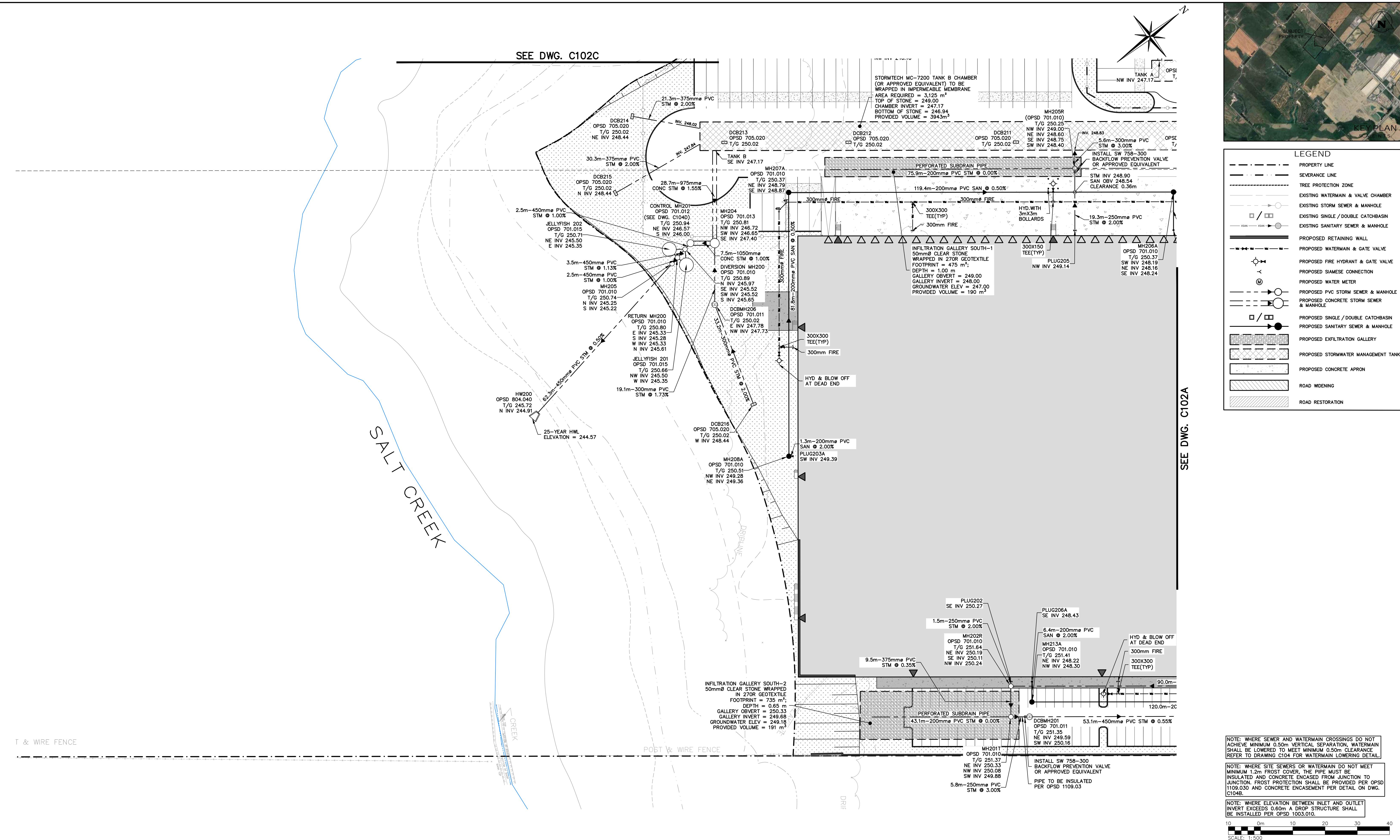
100544006

Oct. 30/25

2278-7128

PROVINCE OF ONTARIO

# BROCCOLINI SITE PLAN TOWN OF CALEDON



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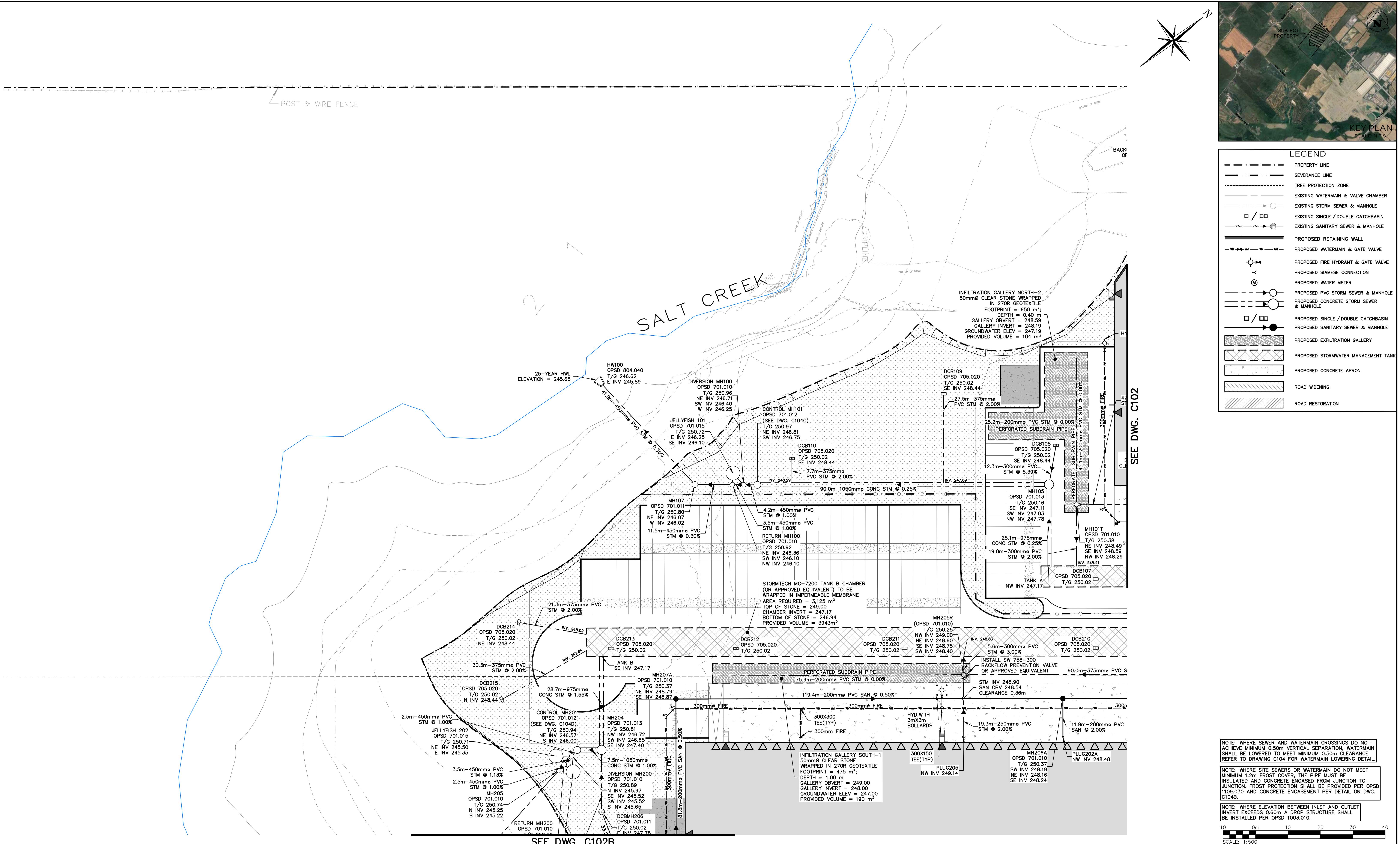
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PROJECT NO: 255025, DRAWING NO: AS101 (2025/09/09)



Engineer	Project	<h1>BROCCOLINI SITE PLAN</h1> <h2>TOWN OF CALEDON</h2>	
		<h3>SITE SERVICING PLAN</h3>	
<p>Drawing</p>			

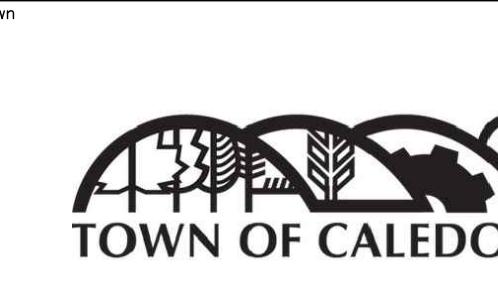
A large, bold, black letter 'C' is enclosed within a thick black circle. To the right of the circle, the word 'CROZIER' is written in a large, bold, black, sans-serif font. The entire logo is centered on the page.



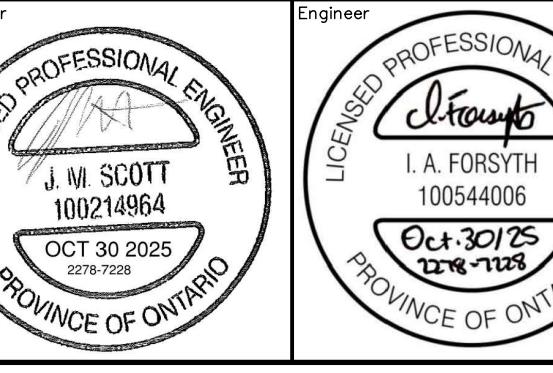
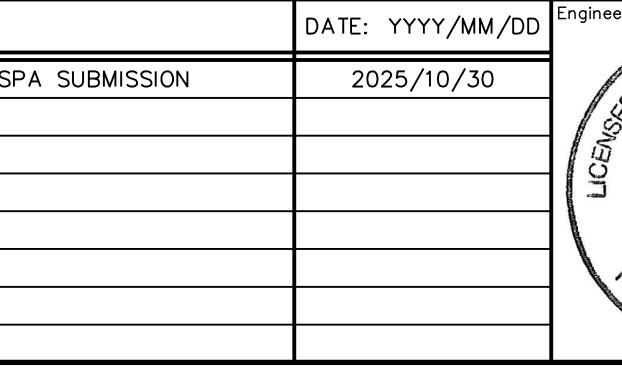
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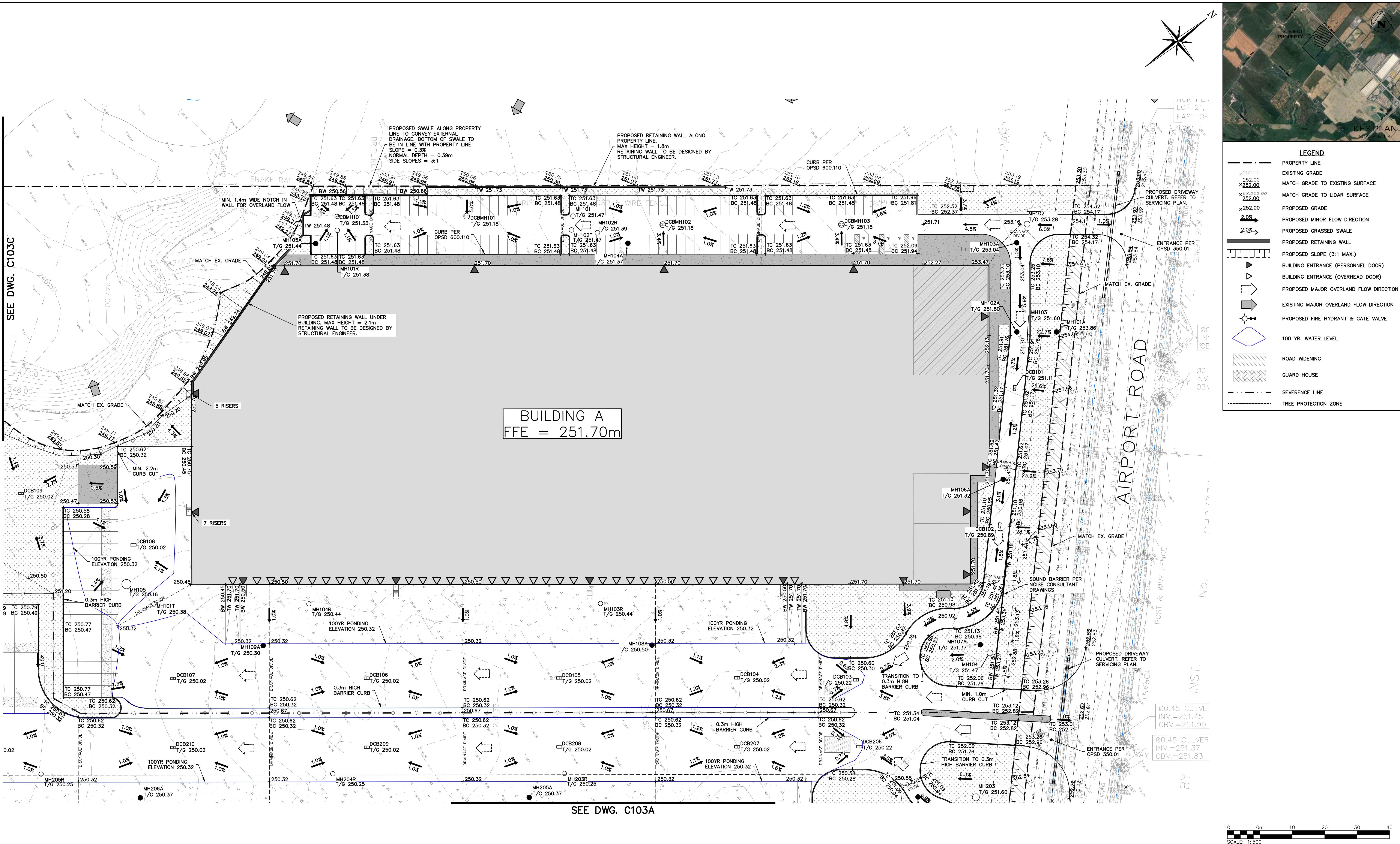
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1	ISSUED FOR FIRST ZBA/SPA SUBMISSION	2025/10/30

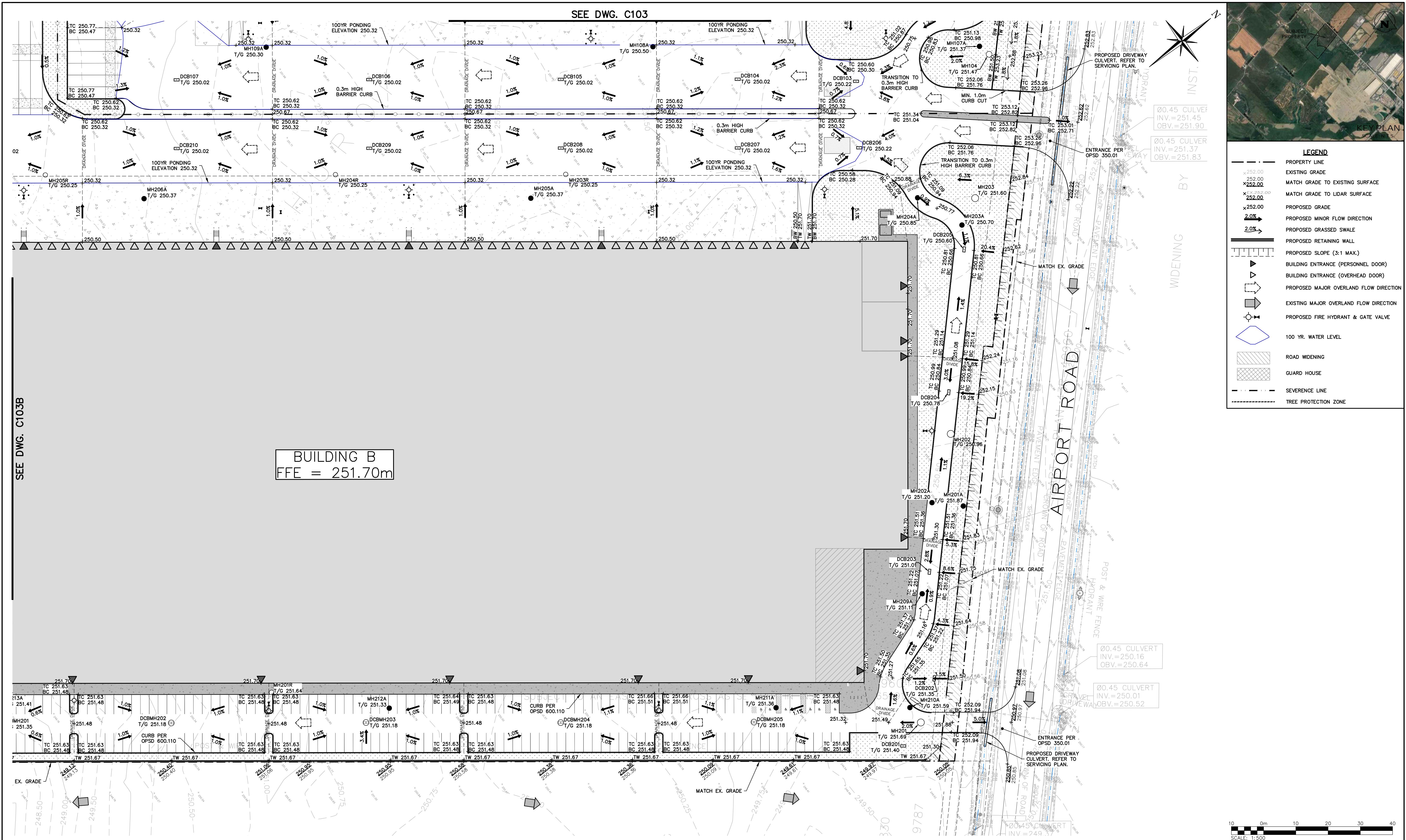


BROCCOLINI SITE PLAN  
TOWN OF CALEDON

SITE SERVICING  
PLAN

**CROZIER**  
K.W./V.M. Design By K.W./V.M. Scale 1:500 Project 2278-7228  
Check By J.S. Check By J.S. Sheet 07 OF 21 Drawing C102 C





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BRASS CAP SET IN CONCRETE, 72.80 METERS SOUTH OF THE CENTRELINE OF MAYFIELD ROAD AND 19.81 METERS EAST OF THE CENTRELINE OF TORBRAM ROAD.  
SURVEY COMPLETED BY R-PE SURVEYING LTD. (2022/DEC/12)  
REFERENCE NO. 22-317

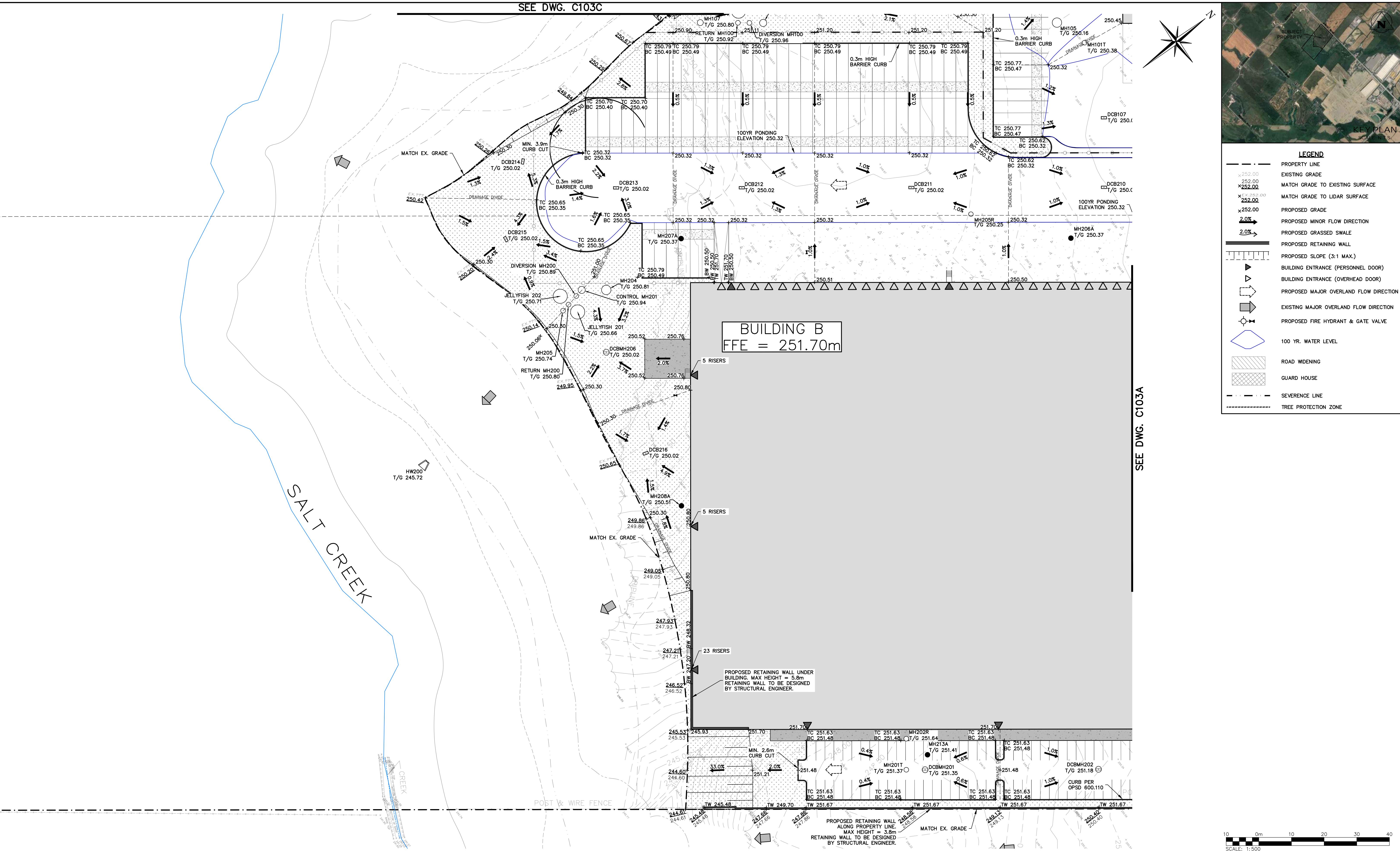
**SITE PLAN NOTES**  
DESIGN ELEMENTS ARE BASED ON SITE PLAN PROVIDED BY POWERS BROWN ARCHITECTURE  
PROJECT NO: 255025, DRAWING NO: AS101 (2025/09/09)



Project
Drawing

# BROCCOLINI SITE PLAN TOWN OF CALEDON

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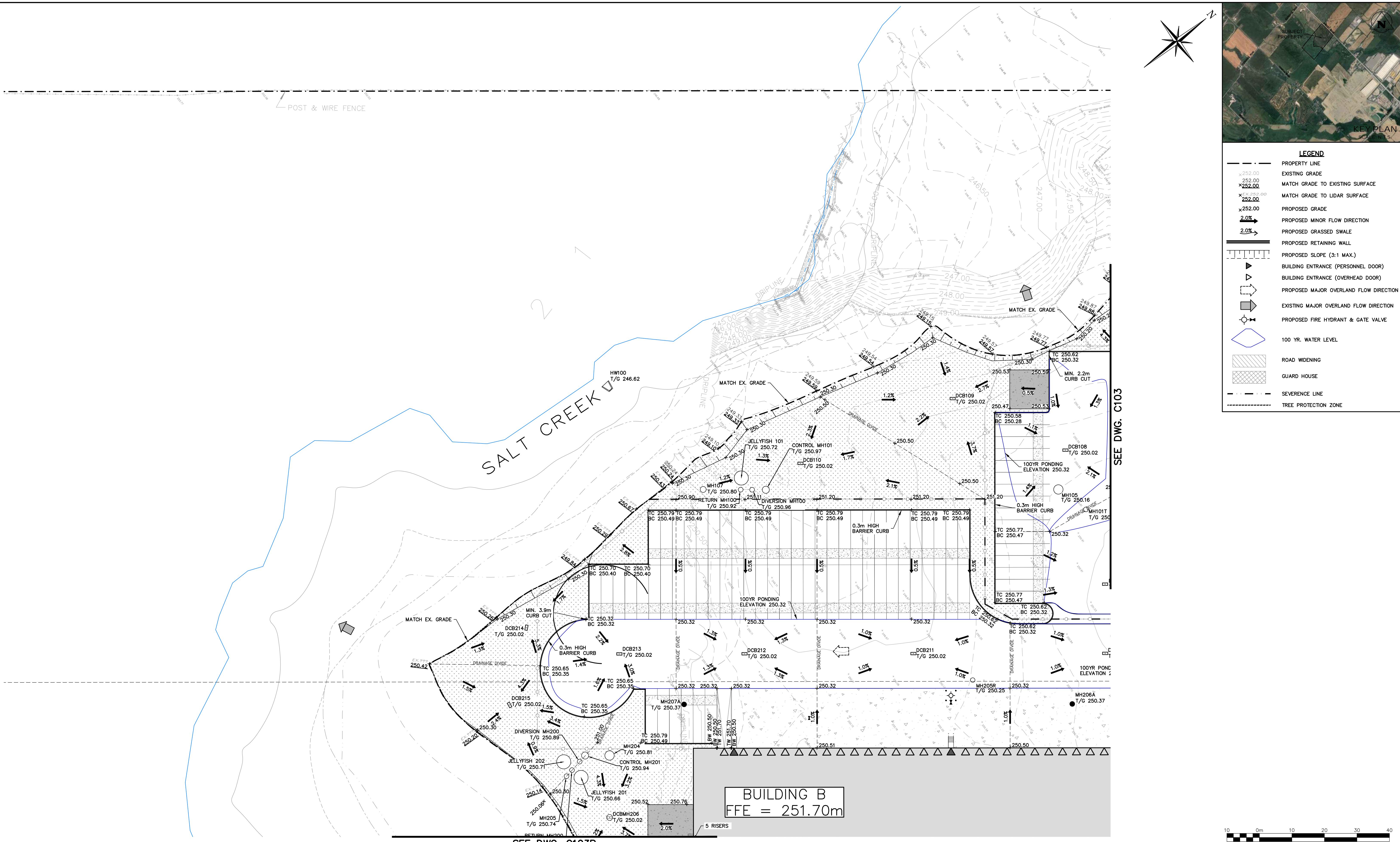
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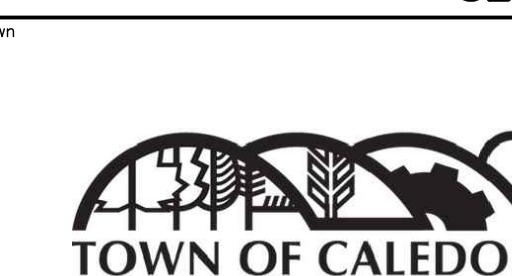


Town	No.	ISSUE	DATE: YYYY/MM/DD	Engineer	Engineer	Project
	1	ISSUED FOR FIRST ZBA/SPA SUBMISSION	2025/10/30			BROCCOLINI SITE PLAN TOWN OF CALEDON
						SITE GRADING PLAN
						Drawn By: K.W./V.M. Design By: K.W./V.M. Scale: 1:500 Project: 2278-7228
						Check By: J.S. Check By: J.S. Sheet: 10 OF 21 Drawing: C103 B



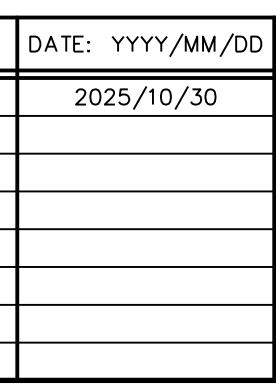
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REFERENCE NO. 22-317  
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PROJECT NO: 255025, DRAWING NO: AS101 (2025/09/09)



Town

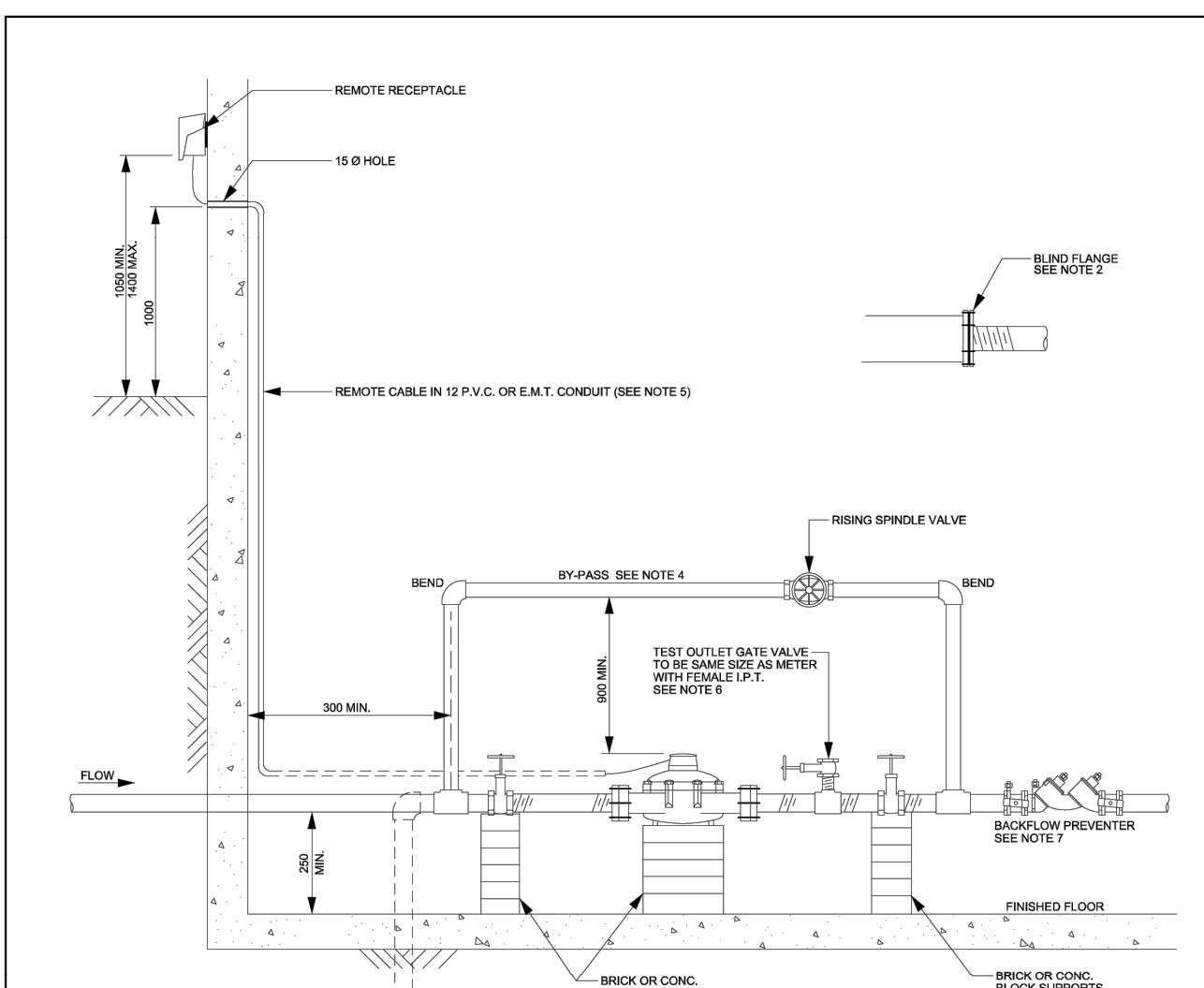
No.	ISSUE	DATE: YYYY/MM/DD
1	ISSUED FOR FIRST ZBA/SPA SUBMISSION	2025/10/30



BROCCOLINI SITE PLAN  
TOWN OF CALEDON

SITE GRADING PLAN

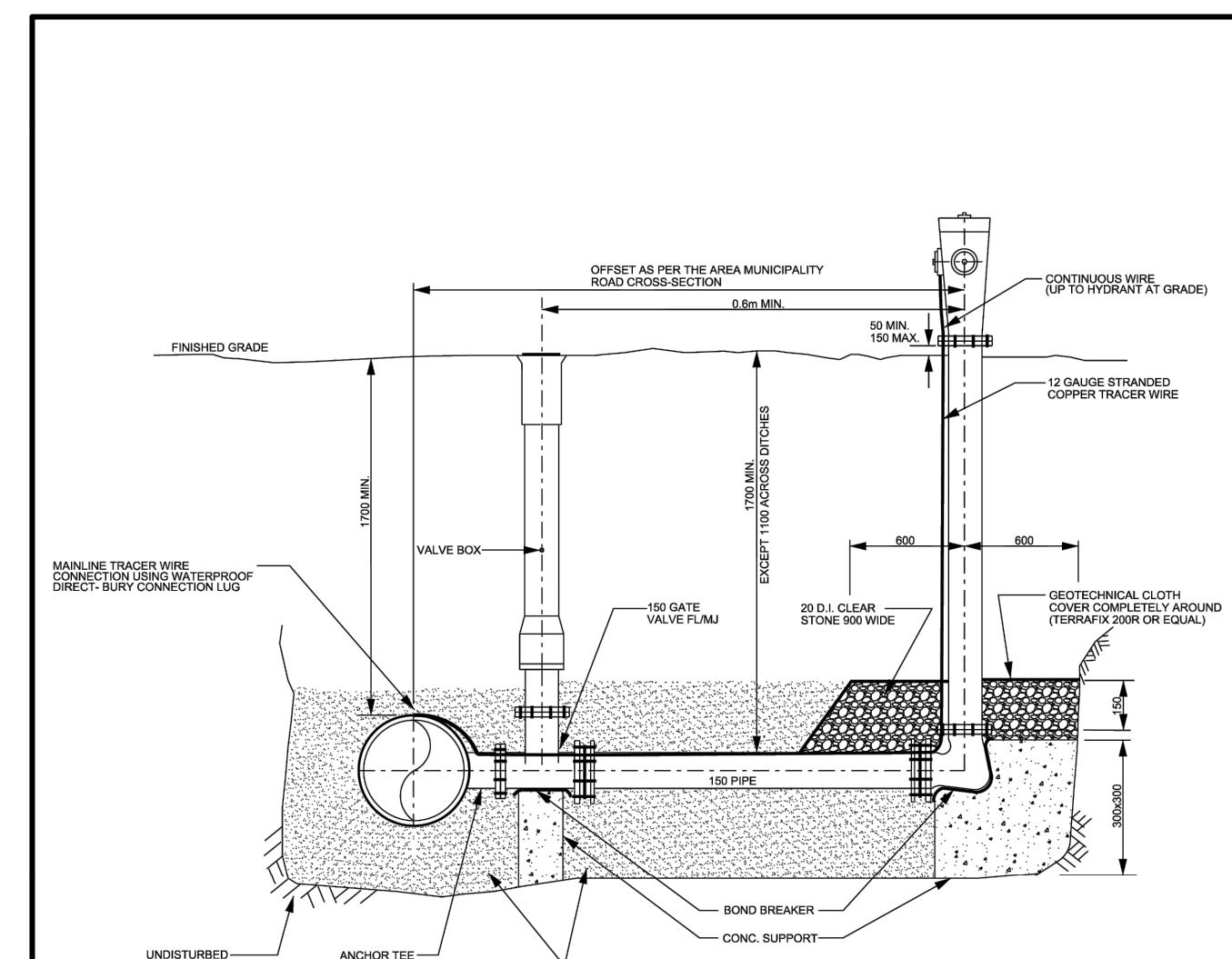
**C** CROZIER  
Drawn By K.W./V.M. Design By K.W./V.M. Scale 1:500 Project 2278-7228  
Check By J.S. Check By J.S. Sheet 11 OF 21 Drawing C103 C



**NOTE**

1. 300mm MINIMUM CLEARANCE BETWEEN WALL AND > OF PIPE
2. 100mm OR LARGER SERVICE MAY BE REDUCED BY USING A TAPPING FLANGE.
3. IF HOT WATER TANK IS WITHIN 3.0m OF METER, THEN A CHECK VALVE IS REQUIRED BETWEEN METER AND HOT WATER TANK.
4. BY-PASS MAY BE ONE PIPE SIZE SMALLER THAN METER SIZE AND MAY BE INSTALLED HORIZONTALLY.  
VALVE INSTALLED WITHIN BY-PASS SHALL NOT BE A BALL STYLE VALVE.
5. WHERE METER ROOM IS NOT ADJACENT TO AN OUTSIDE WALL OR IS BELOW EXTERIOR FINISHED GRADE, THE CONTRACTOR/ APPLICANT SHALL PROVIDE A CONTINUOUS E.M.T. CONDUIT COMPLETE WITH NYLON FISH LINE FROM METER ROOM TO 1000mm ABOVE EXTERIOR FINISHED GRADE.
6. TEST OUTLET SHALL BE LOCATED BETWEEN THE OUTLET SIDE OF THE METER AND THE OUTLET SIDE ISOLATION VALVE.
7. WHERE REQUIRED, BACKFLOW PREVENTOR SHALL BE INSTALLED AFTER BOTH THE METER AND BY-PASS

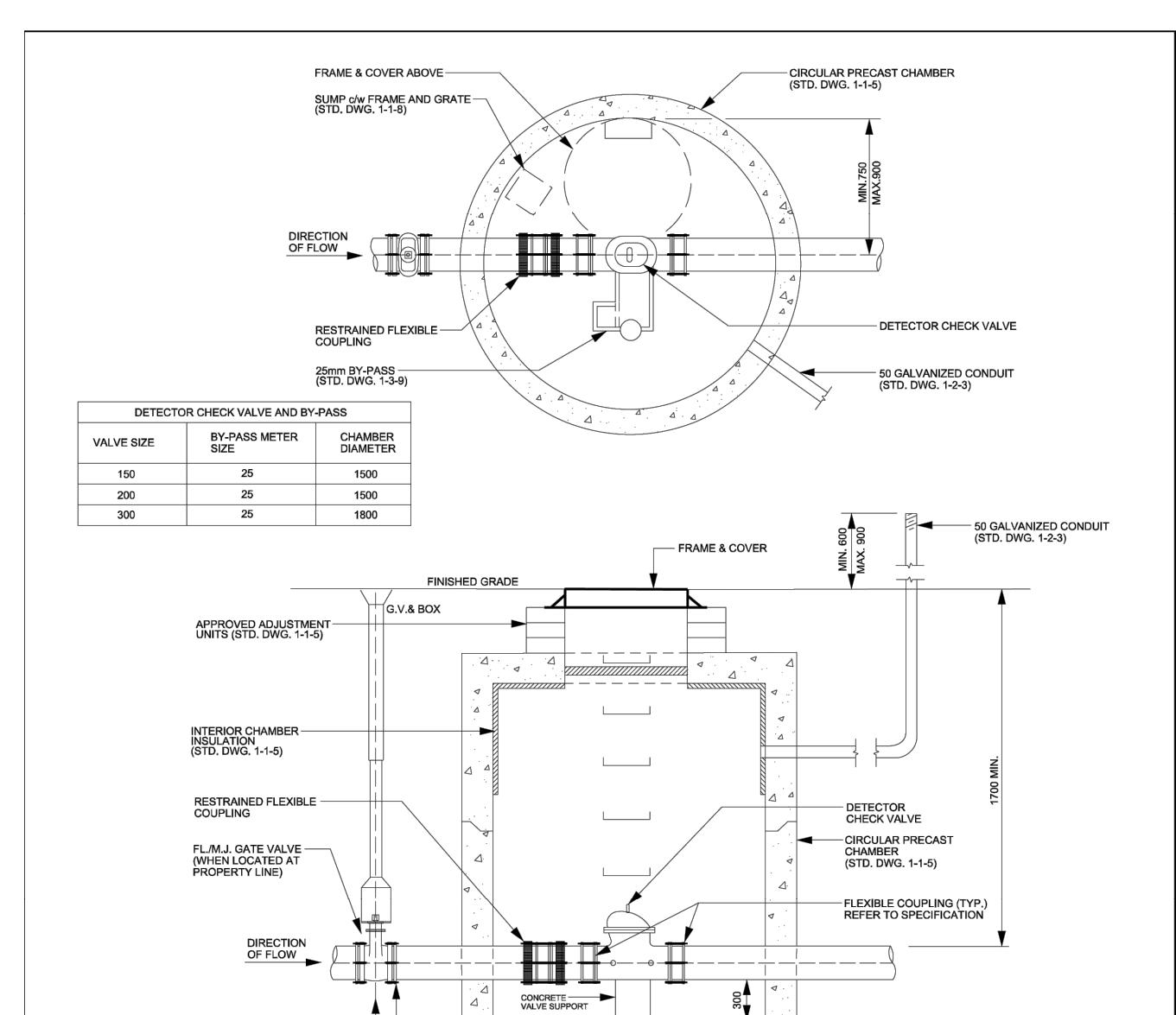
 <b>Region of Peel</b> working with you	<b>PUBLIC WORKS STANDARD DRAWING</b>	REV. DATE: NOVEMBER 2011	
		APPROVED BY	DRAWN BY
	A.L.		AINLEY GROUP
		STD. DWG. NUMBER	SCALE
	<b>1-4-5</b>		N.T.S.



NOTE

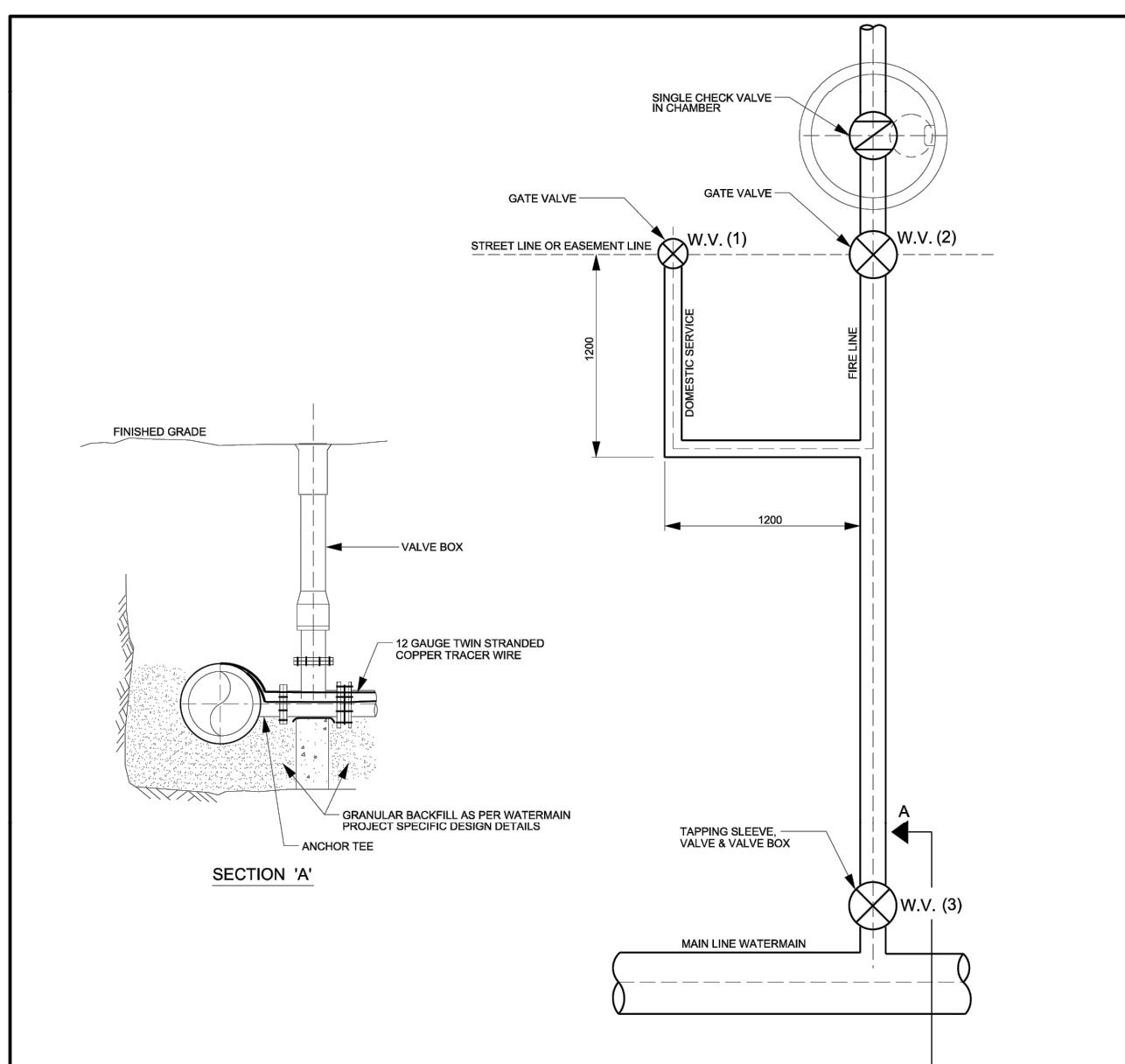
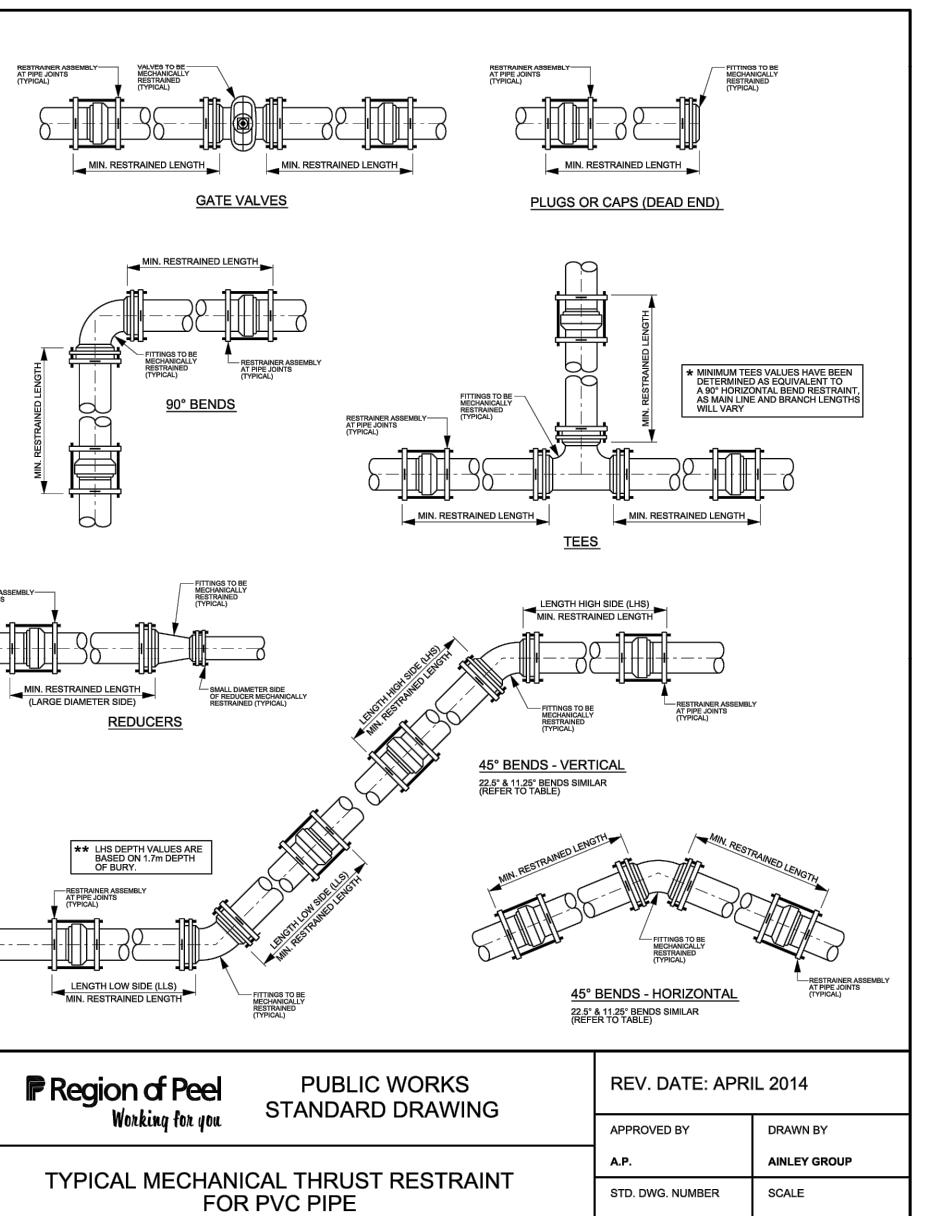
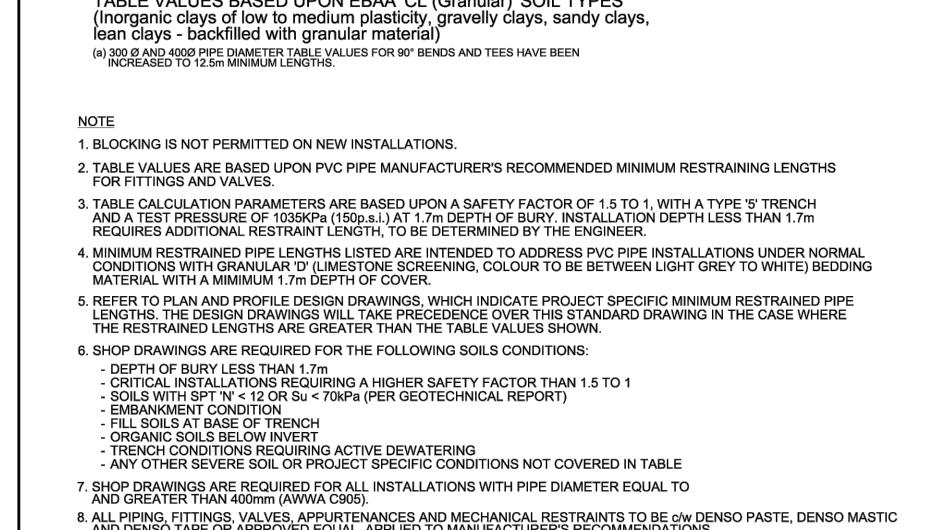
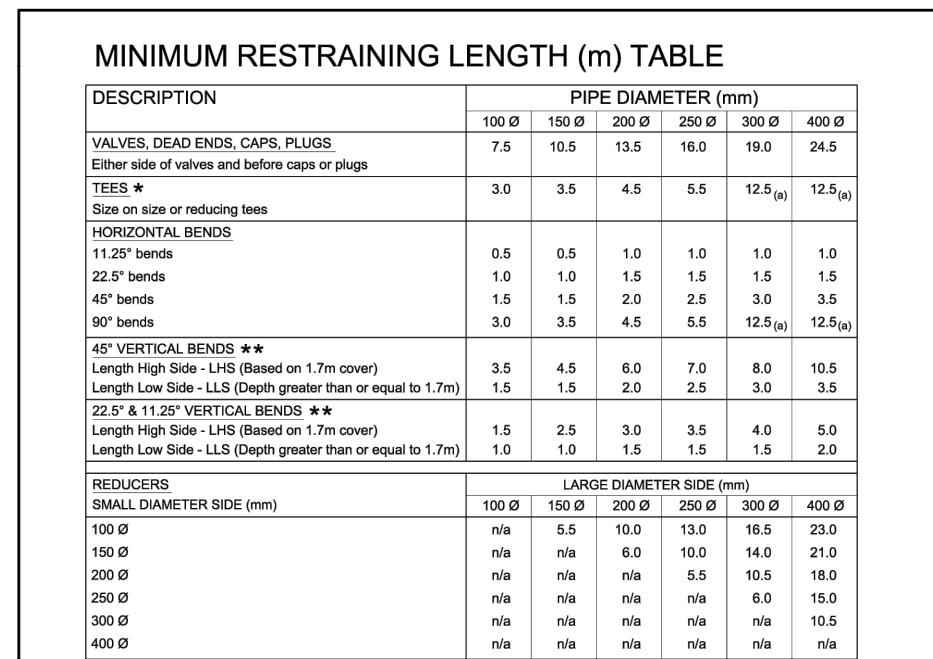
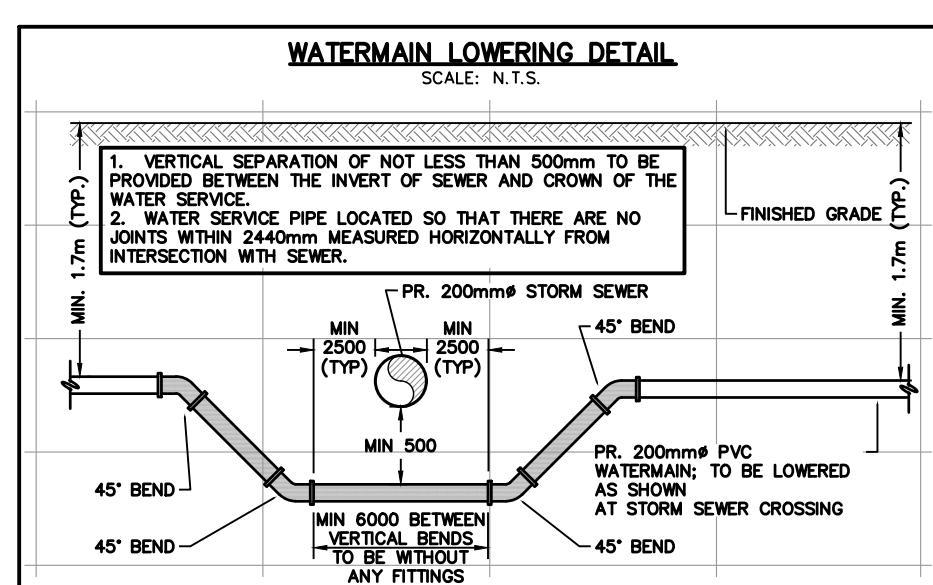
1. IF THE WATERMAIN IS NOT AT THE STANDARD OFFSET, THE LOCATION OF THE HYDRANT TO BE AS PER CONSTRUCTION DRAWINGS.
2. BACKFILL TRENCH WITH GRANULAR 'B' COMPACTED TO 100% STD. PROCTOR DENSITY.
3. MECHANICAL RESTRAINTS REQUIRED ON ALL PVC HYDRANT LATERALS INCLUDING VALVES AND FITTINGS AS PER REGION STANDARD DRAWING 1-5-9.
4. ALL PIPING, FITTINGS, VALVES, APPURTENANCES AND MECHANICAL RESTRAINTS TO BE PROTECTED WITH 3 PART CORROSION PREVENTION SYSTEM, APPLIED TO MANUFACTURER'S RECOMMENDATIONS.

 <b>Region of Peel</b> working with you	<b>PUBLIC WORKS STANDARD DRAWING</b>	REV. DATE: MARCH 2018
APPROVED BY	DRAWN BY	
E.O.	AINLEY GROUP	
STD. DWG. NUMBER	SCALE	
1-6-1	N.T.S.	



The diagram shows a cross-section of a trench. A corrugated pipe is laid within the trench. A horizontal line extends from the right side of the pipe to a point on the ground surface, which is labeled 'UNDISTURBED GROUND'. The ground surface is indicated by a dashed line at the top of the trench wall.

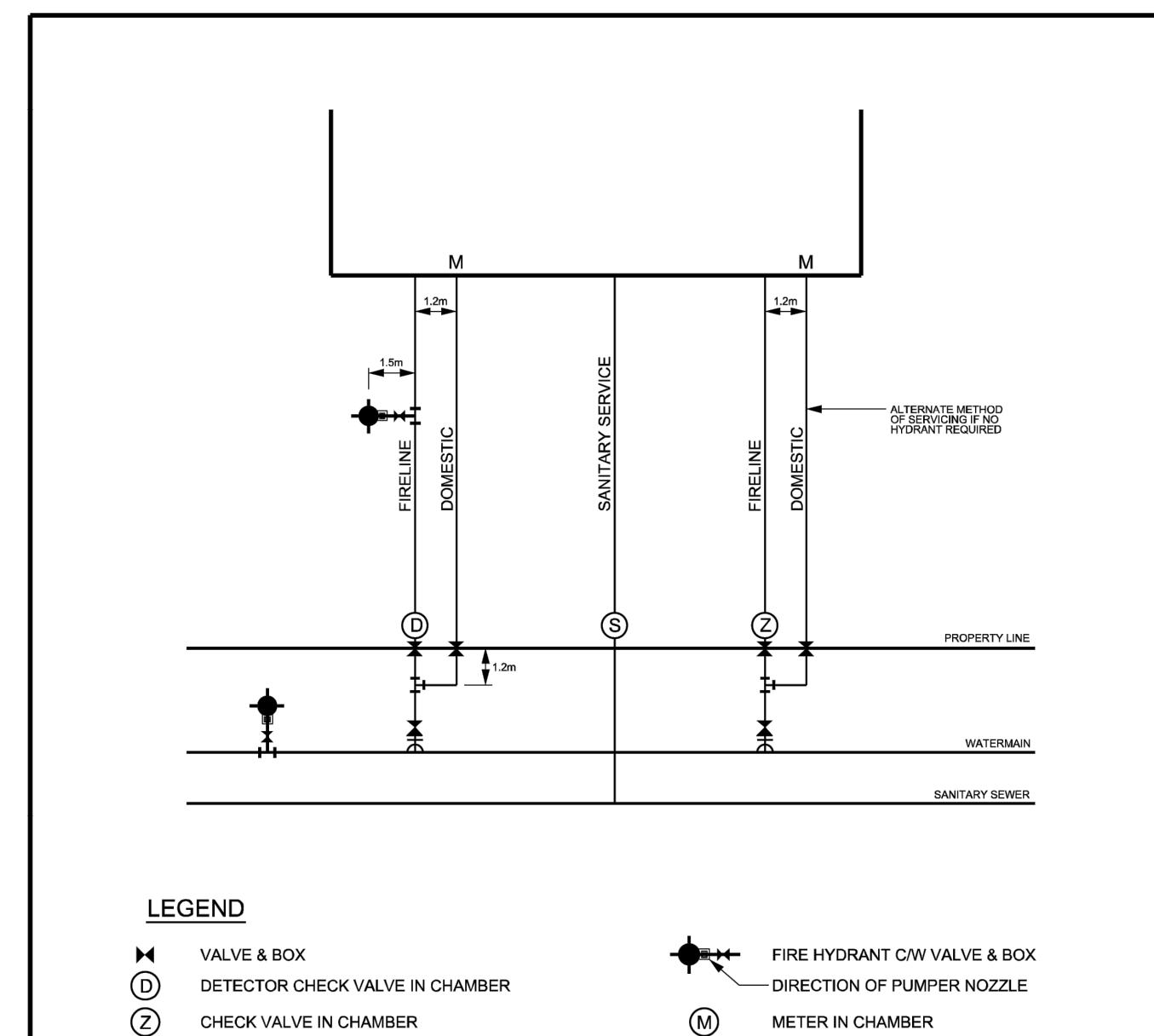
 <b>Region of Peel</b> working with you	PUBLIC WORKS STANDARD DRAWING	REV. DATE: APRIL 2014	
		APPROVED BY	DRAWN BY
	A.P.	AINLEY GROUP	
	STD. DWG. NUMBER	SCALE	
	1-3-1	N.T.S.	



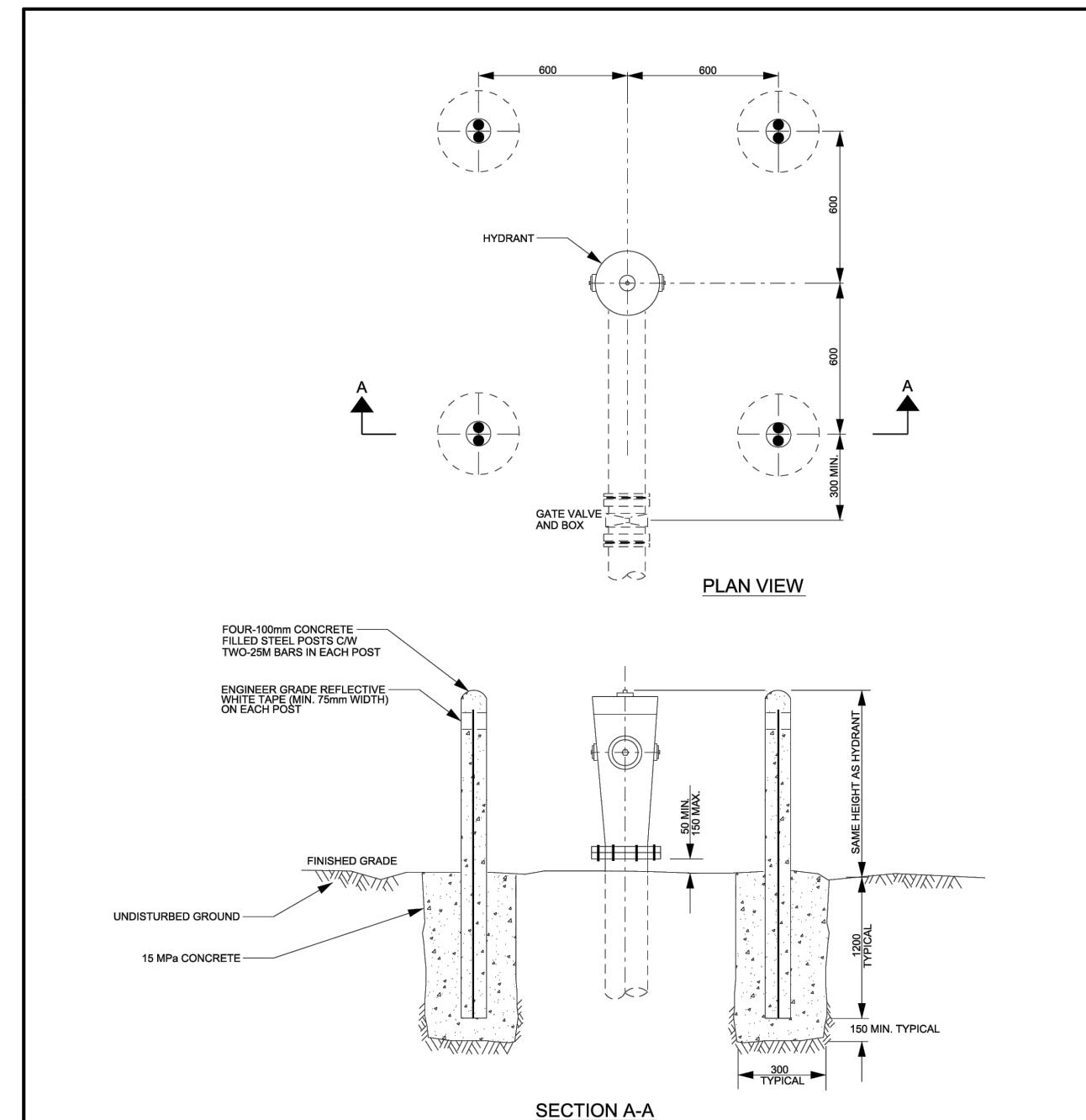
**NOTE**

1. STANDARD FOR SERVICE MORE THAN 5000mm IN LENGTH.
2. SERVICES LESS THAN 12000mm IN LENGTH MAIN VALVE (3) TO BE TIES TO THE TEE USING S.S. TIE RODS.
3. WHERE NO METALLIC PIPE IS USED, A 12 GAUGE TRACER WIRE TO BE INSTALLED WITH THE PIPE AND BE BROUGHT TO THE SURFACE AT ALL VALVE BOX BOXES.
4. BACKFILL TRENCH WITH GRANULAR 'B' COMPACTED TO 100% STD. PROCTOR DENSITY.
5. REFER TO O. REG. 350/06 - PART - PLUMBING SECTION 7.6.2.4 FOR TYPE OF BLACKFLOW PREVENTER REQUIRED.
6. ALL PIPING, FITTINGS, VALVES, APPURTENCES AND MECHANICAL RESTRAINTS TO BE c/w DENSO PASTE, DENSO MASTIC AND DENSO TAPE OR APPROVED EQUAL, APPLIED TO MANUFACTURER'S RECOMMENDATIONS.

 <b>Region of Peel</b> <i>Working for you</i>	<b>PUBLIC WORKS</b> <b>STANDARD DRAWING</b>	<b>REV. DATE: APRIL 2014</b>
<b>APPROVED BY</b>  D.L.	<b>DRAWN BY</b>  <b>AINLEY GROUP</b>	
<b>STD. DWG. NUMBER</b>  <b>1-6-4</b>	<b>SCALE</b>  <b>N.T.S.</b>	
<b>FIRE LINE AND DOMESTIC CONNECTION</b>		

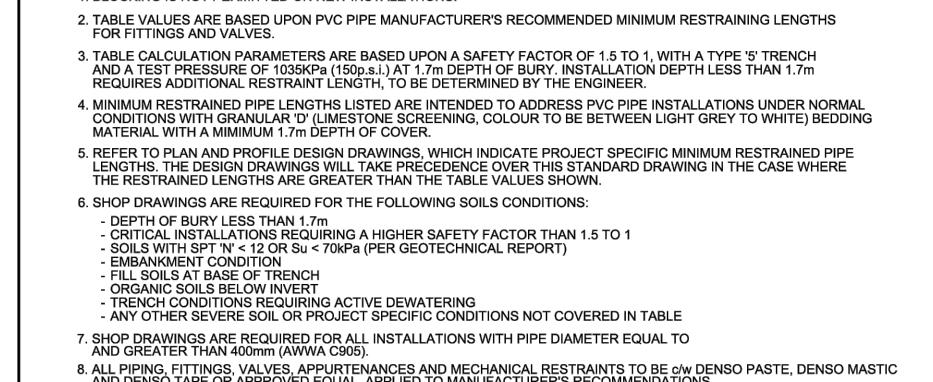


 <b>Region of Peel</b> <i>Working for you</i>	<b>PUBLIC WORKS</b> <b>STANDARD DRAWING</b>	REV. DATE: NOVEMBER 2011	
		APPROVED BY	DRAWN BY
A.P.	AINLEY GROUP		
SERVICING FOR INDUSTRIAL BUILDINGS		STD. DWG. NUMBER	SCALE
		1 8 6	N.T.S.



NOTE  
1. STEEL BOOTS TO BE PAINTED THE SAME COLOUR AS THE HYDRANT.

 <b>Region of Peel</b> <i>Working for you</i>	<b>PUBLIC WORKS</b> <b>STANDARD DRAWING</b>	REV. DATE: APRIL 2014	
		APPROVED BY  A.P.	DRAWN BY  AINLEY GROUP
	HYDRANT BOLLARDS	STD. DWG. NUMBER  163	SCALE  NTS



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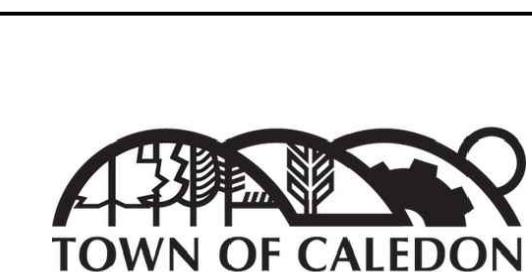
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SURVEY COMPLETED BY R-PE SURVEYING LTD. (2022/DEC/12)  
REFERENCE NO. 22-317

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PROJECT NO: 255025, DRAWING NO: AS101 (2025/09/09)

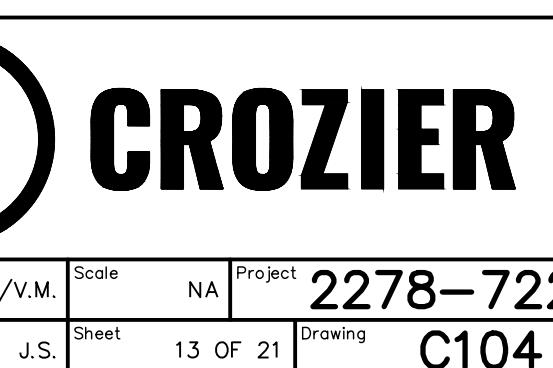
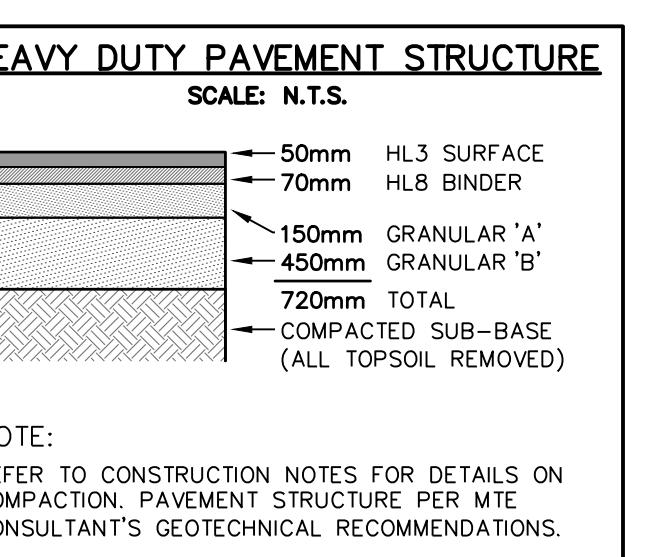
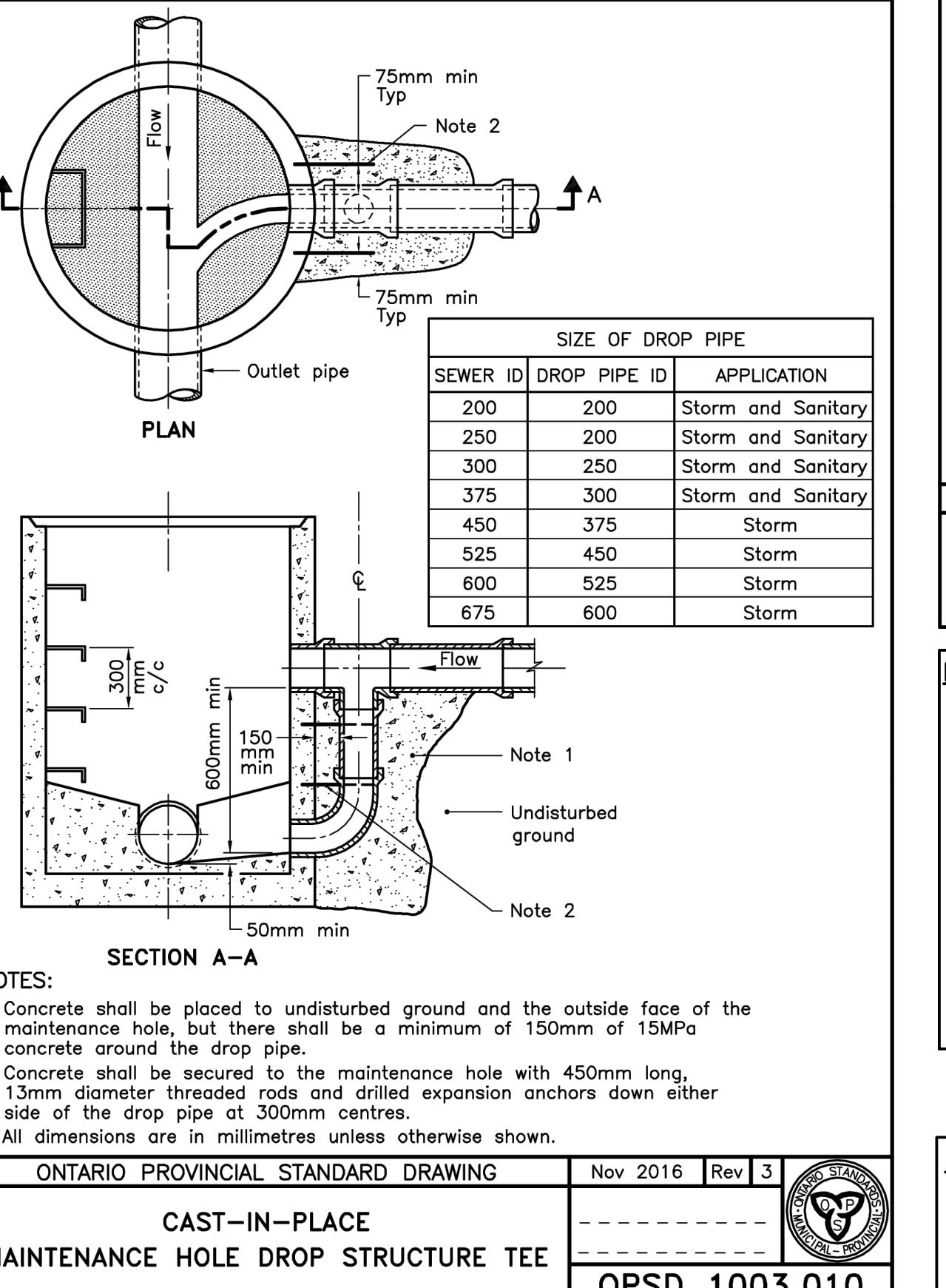
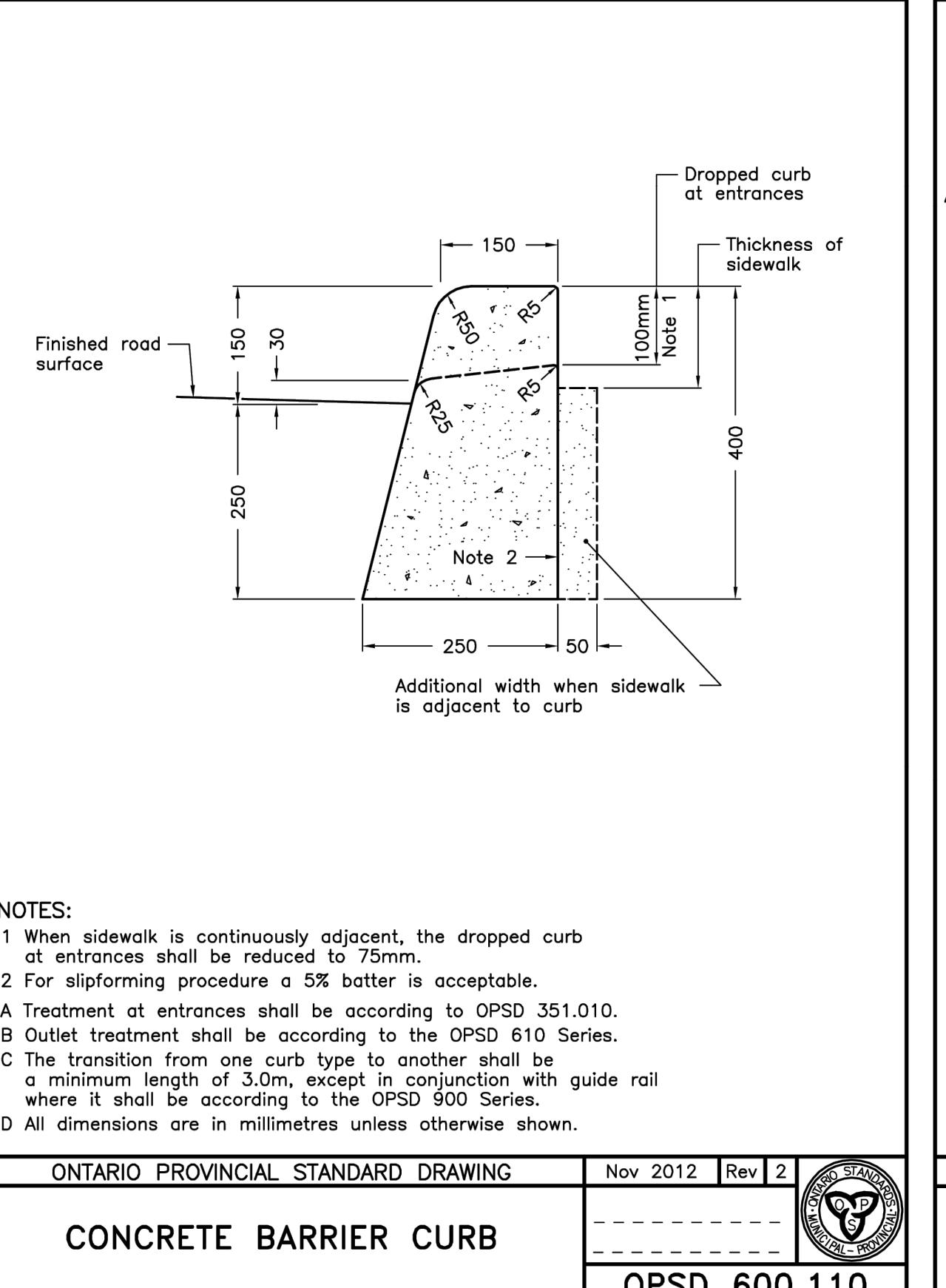
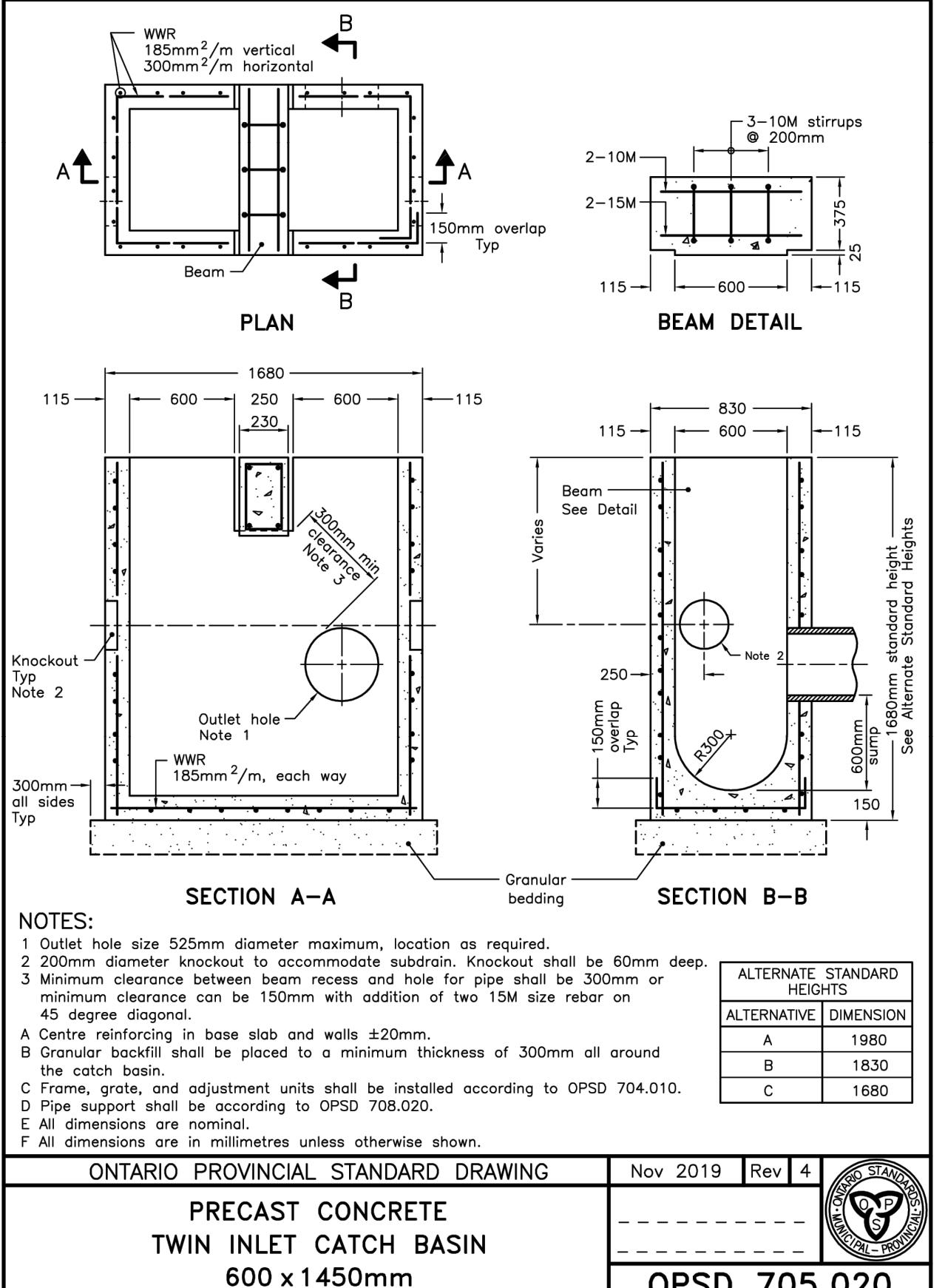
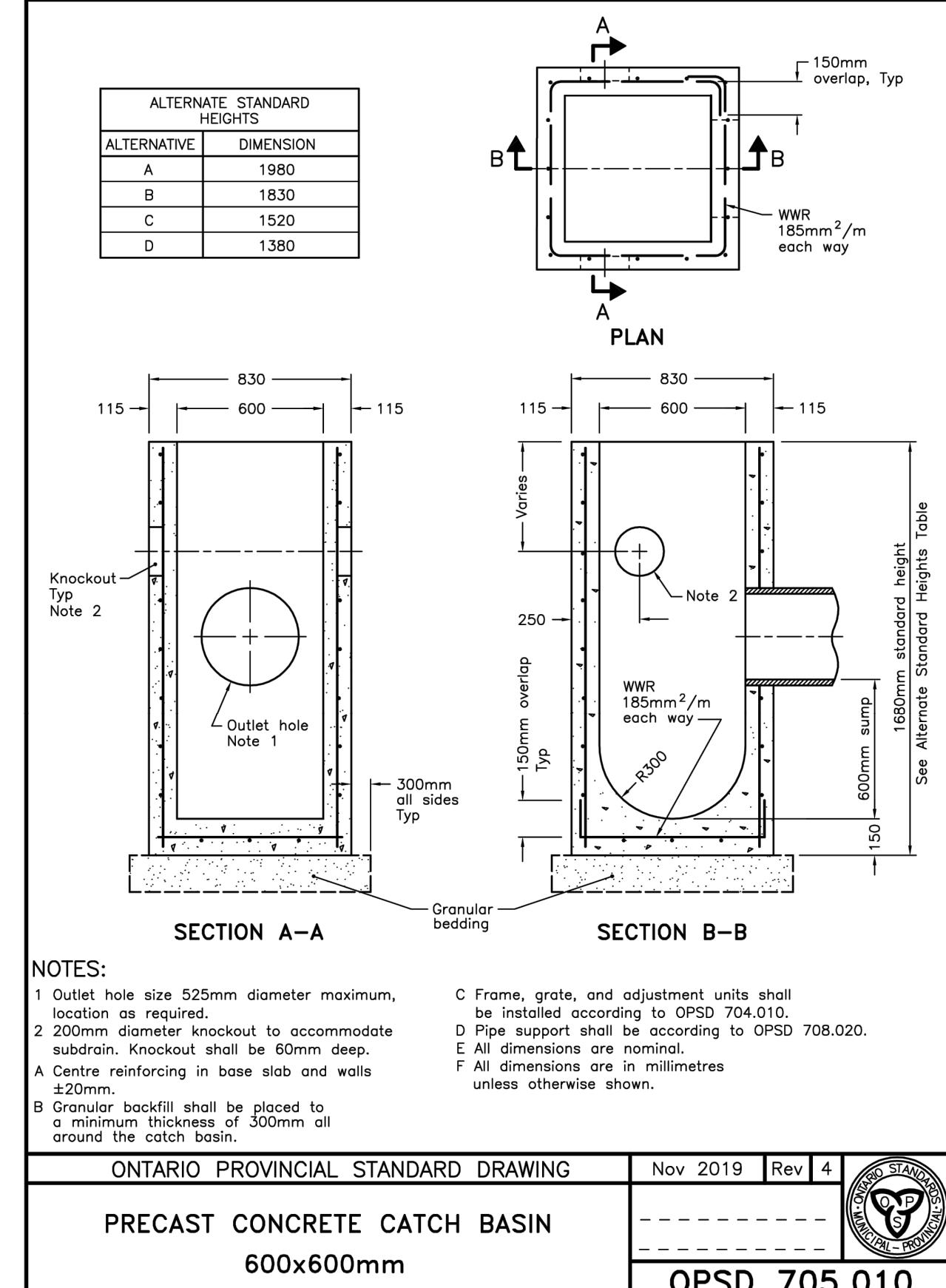
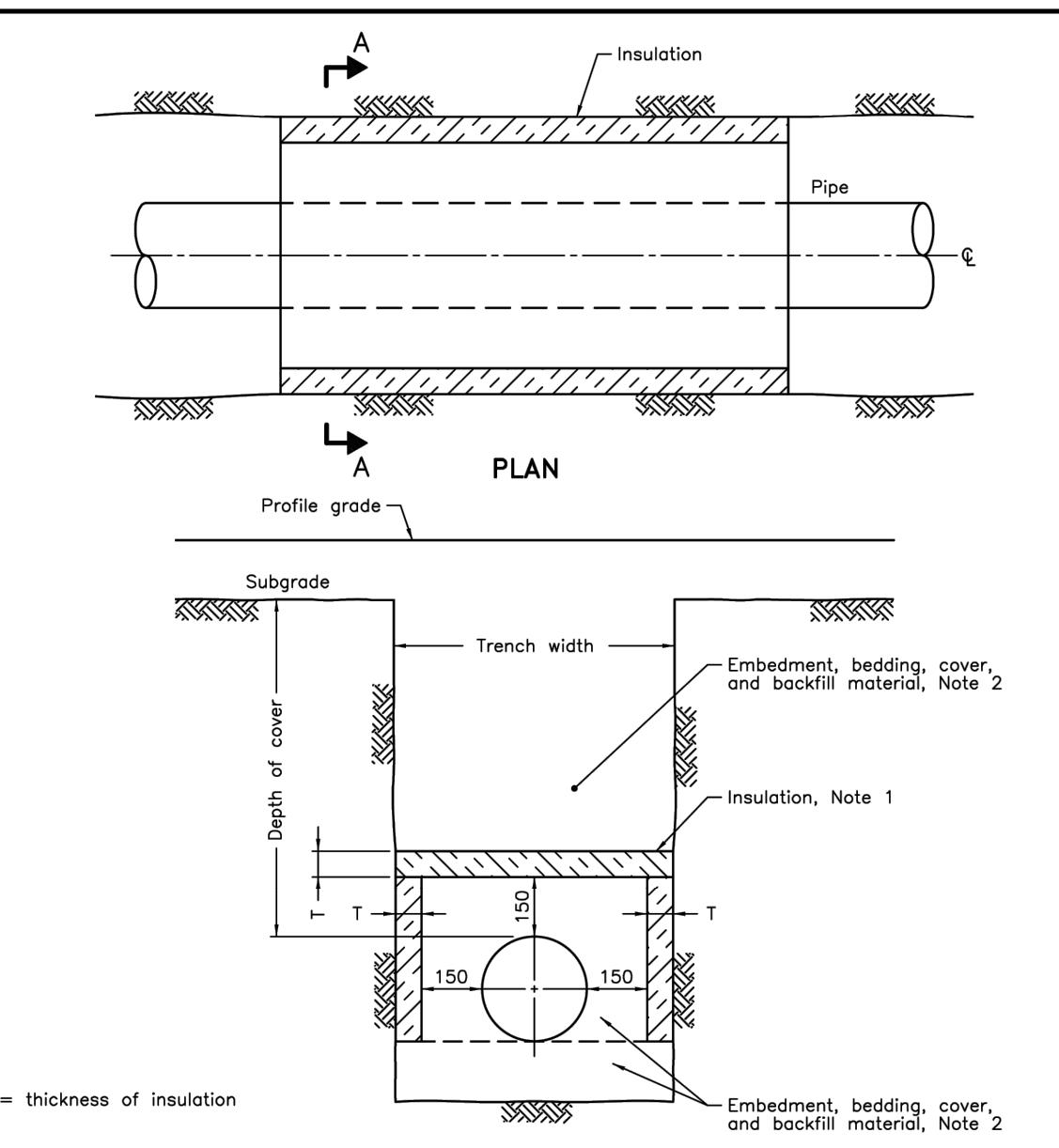
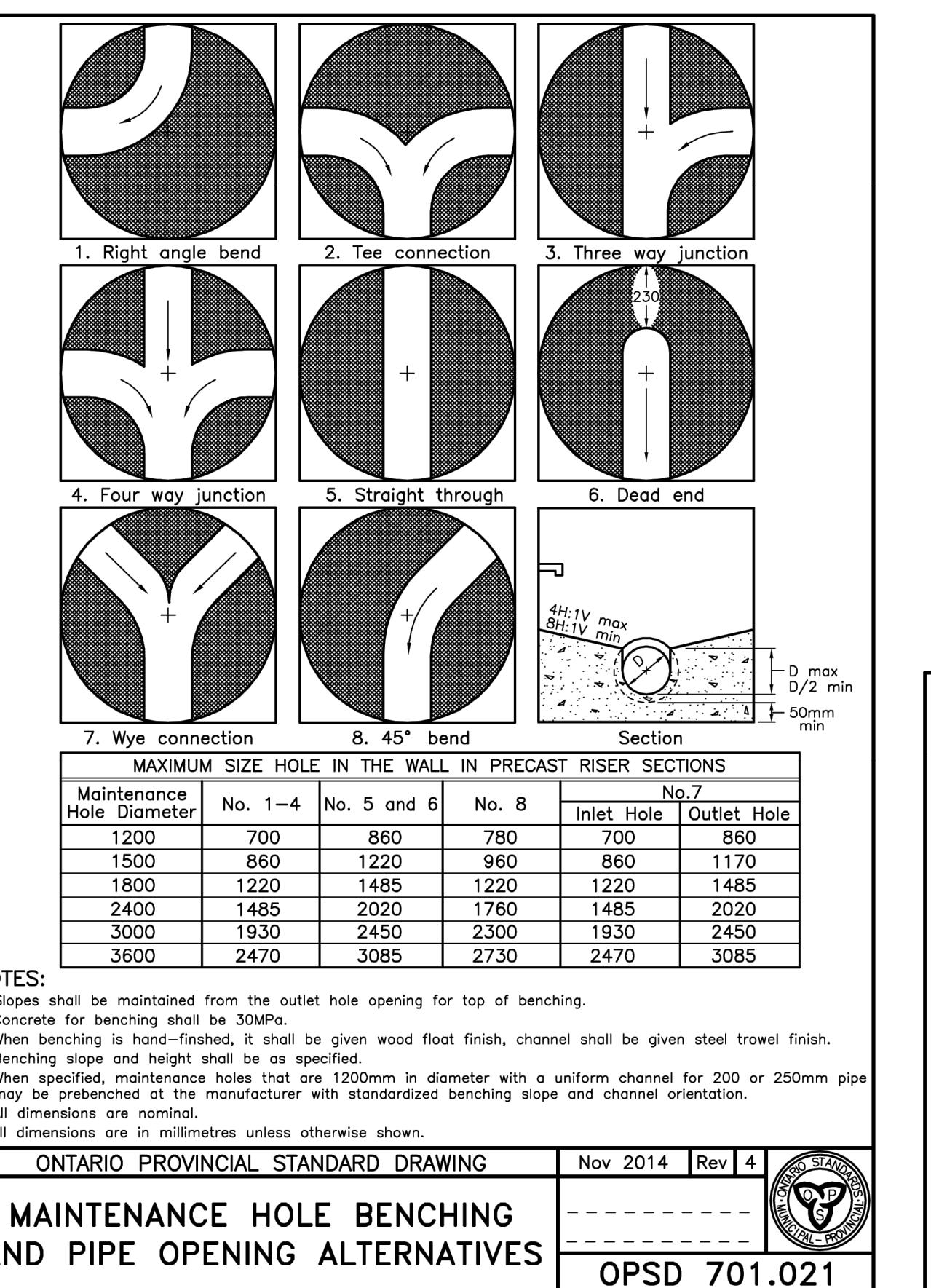
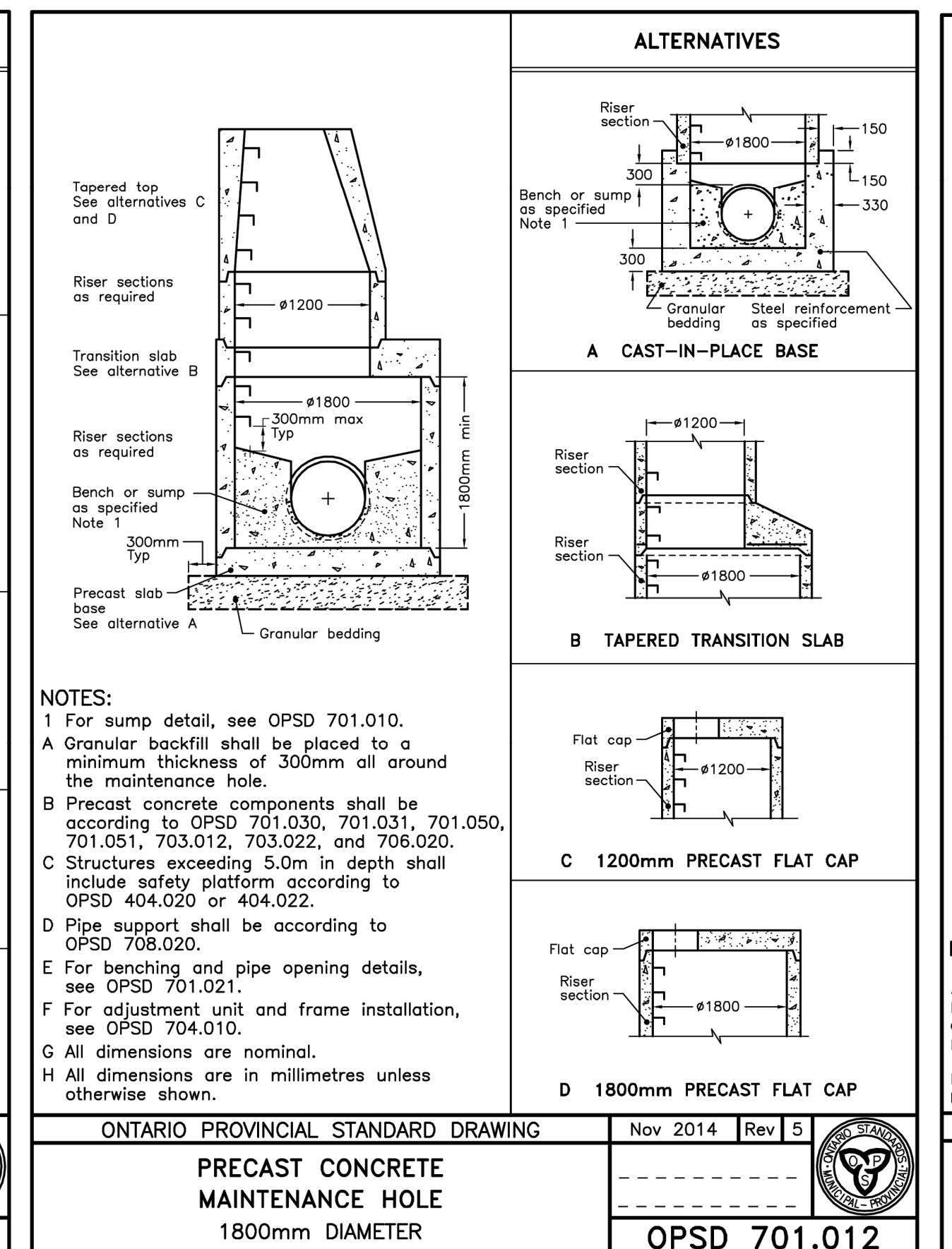
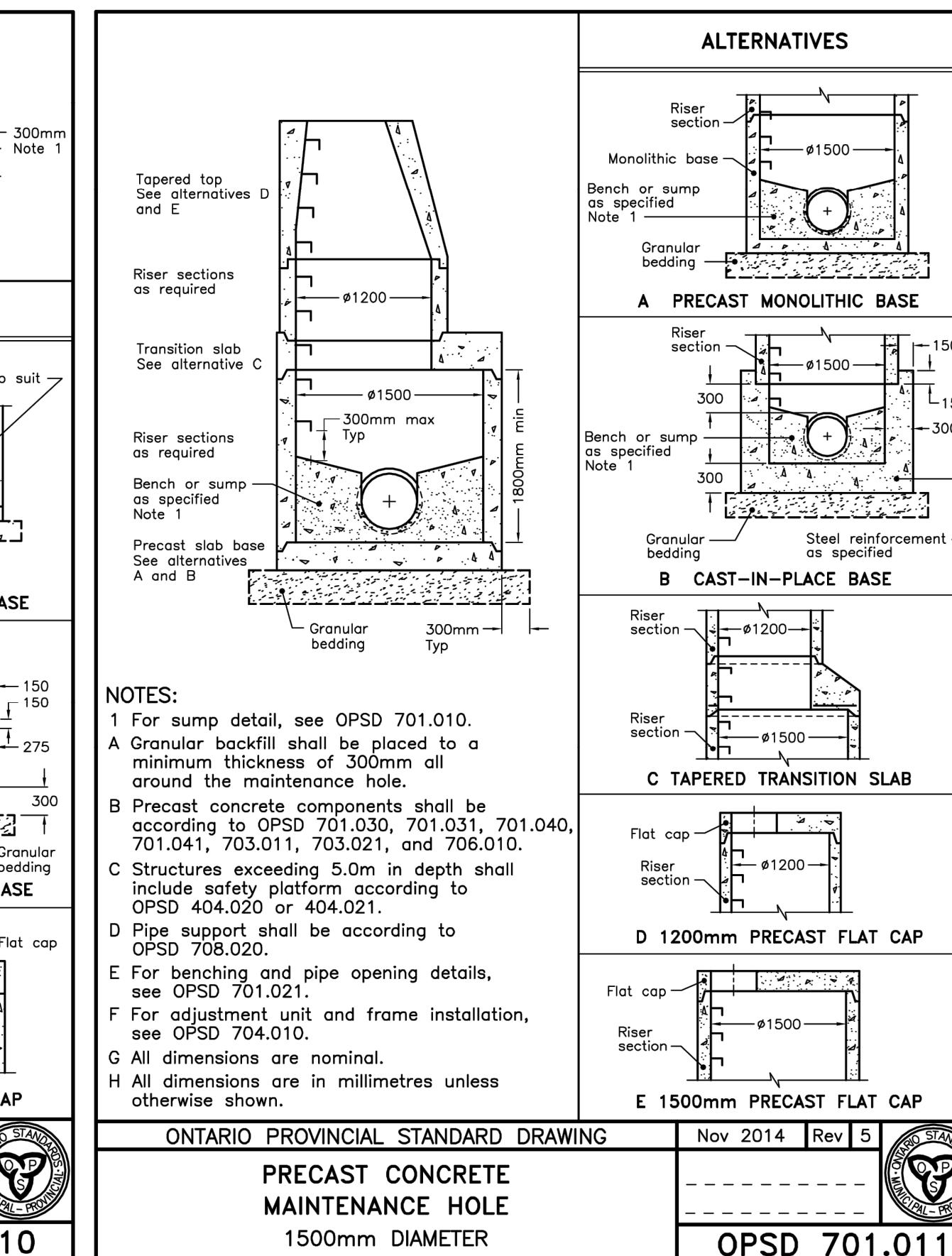
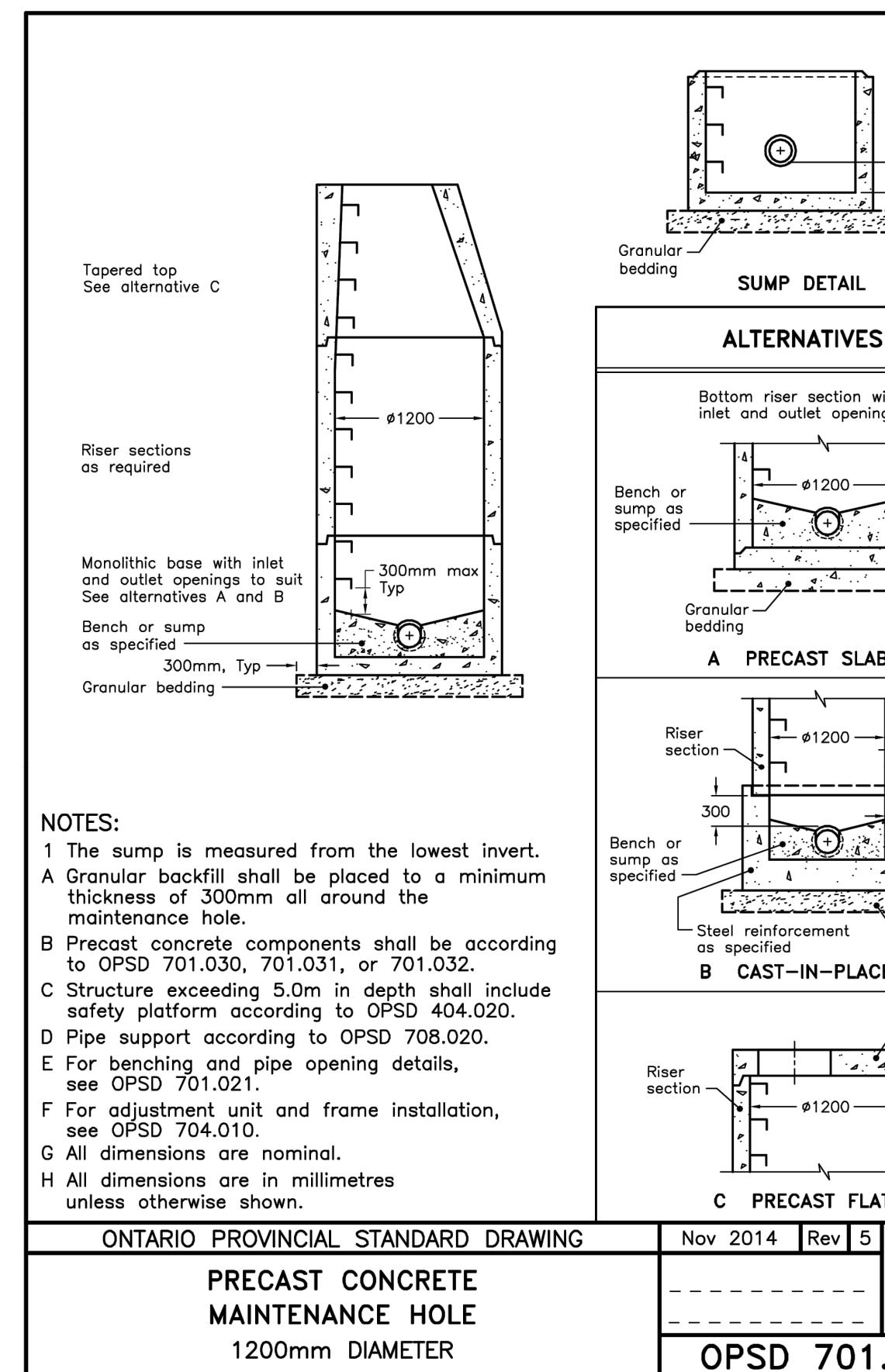


# BROCCOLINI SITE PLAN TOWN OF CALEDON

## STANDARD DETAILS – REGION OF PEEL



# CROZIER

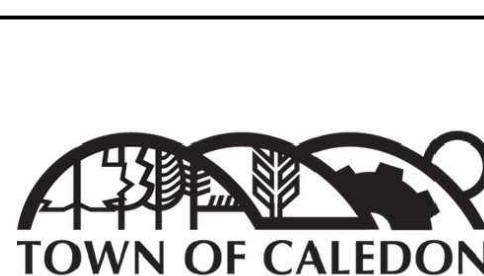


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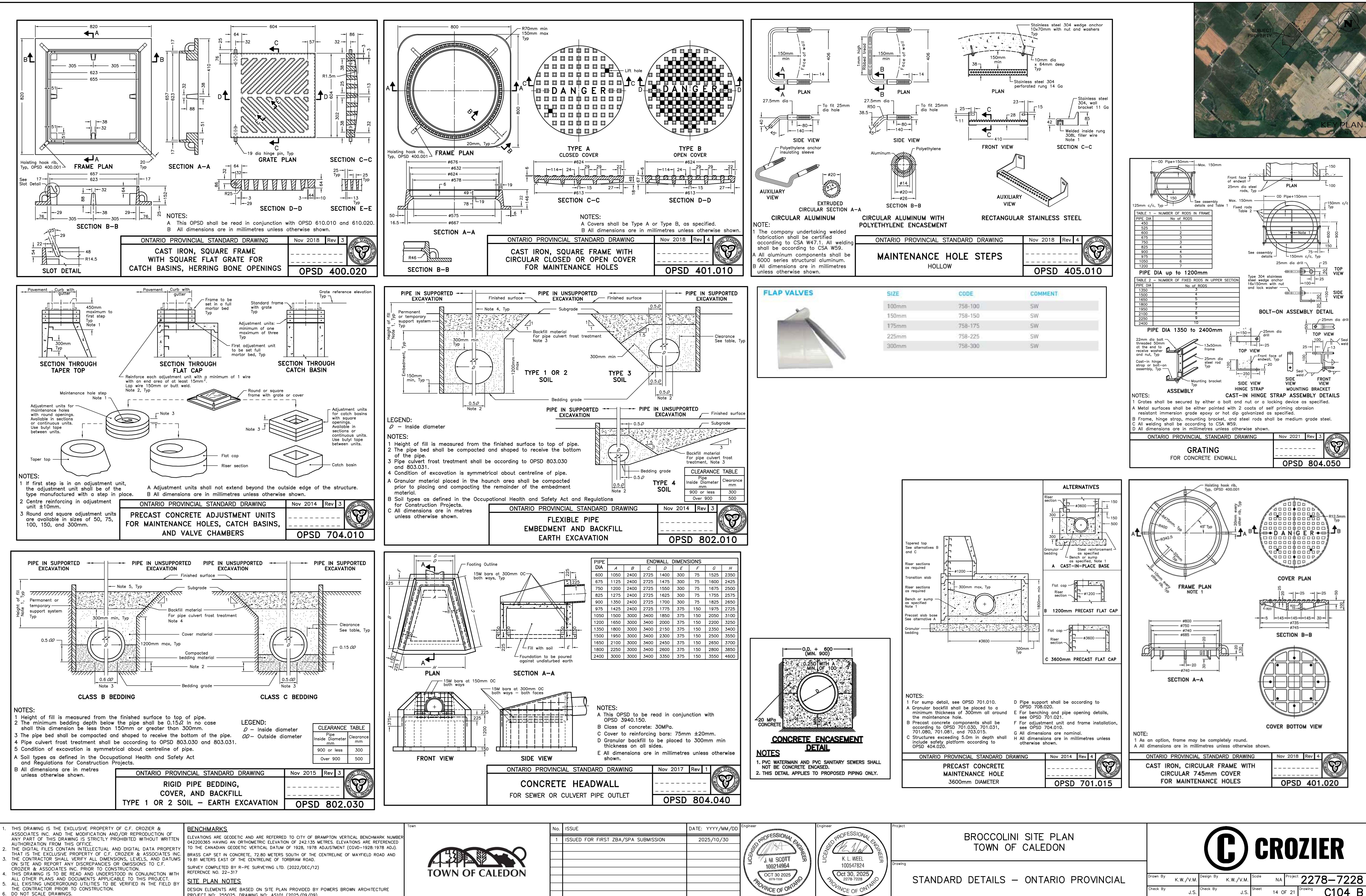
**SURVEY COMPLETED BY R-PE SURVEYING LTD. (2022/DEC/12)**  
**REFERENCE NO. 22-317**

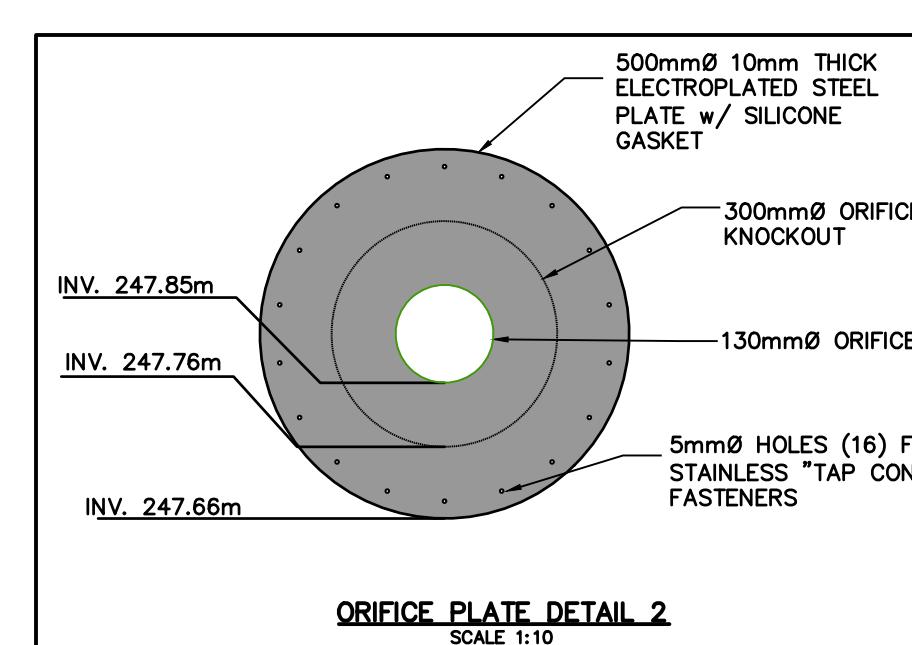
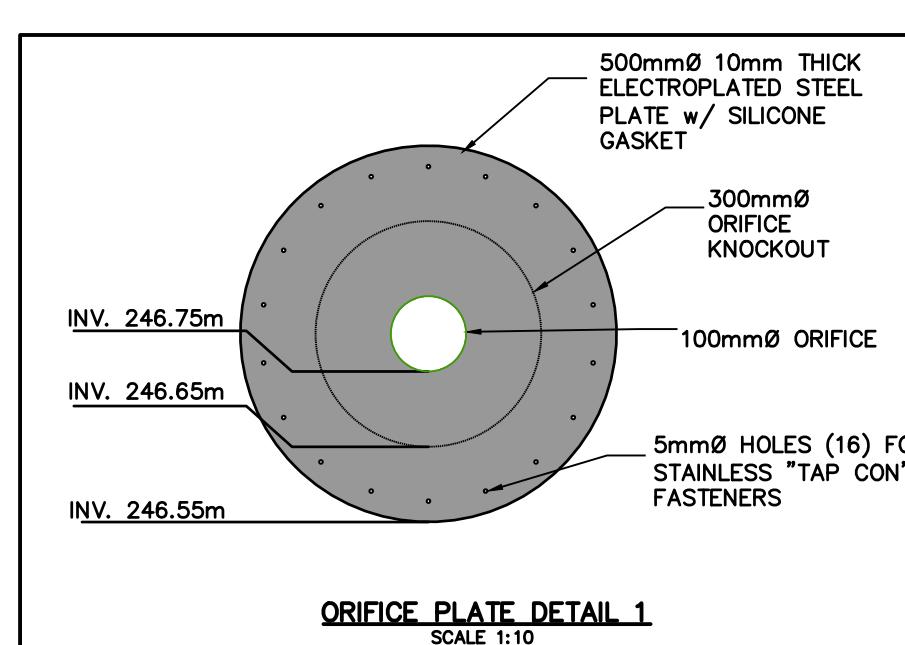
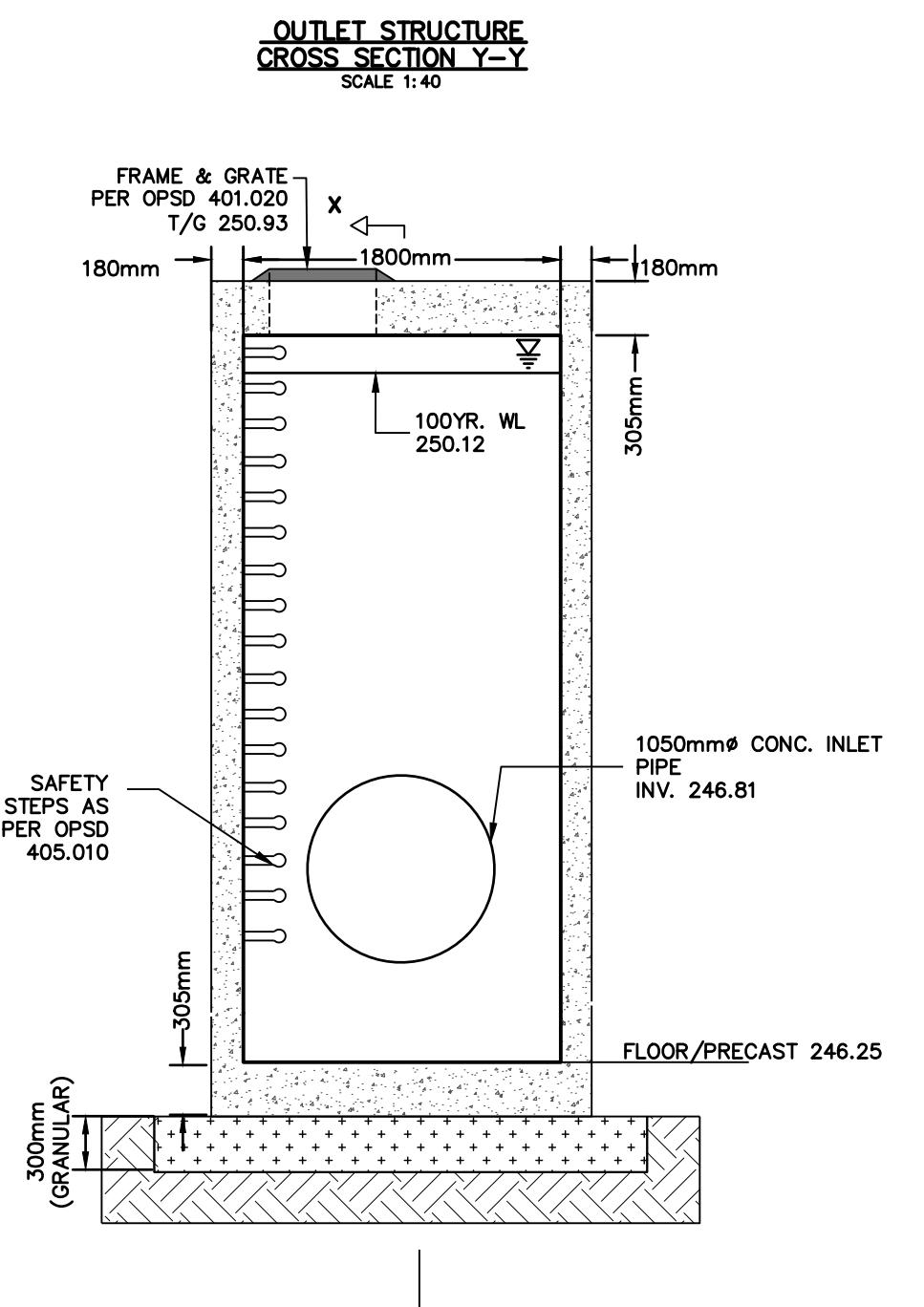
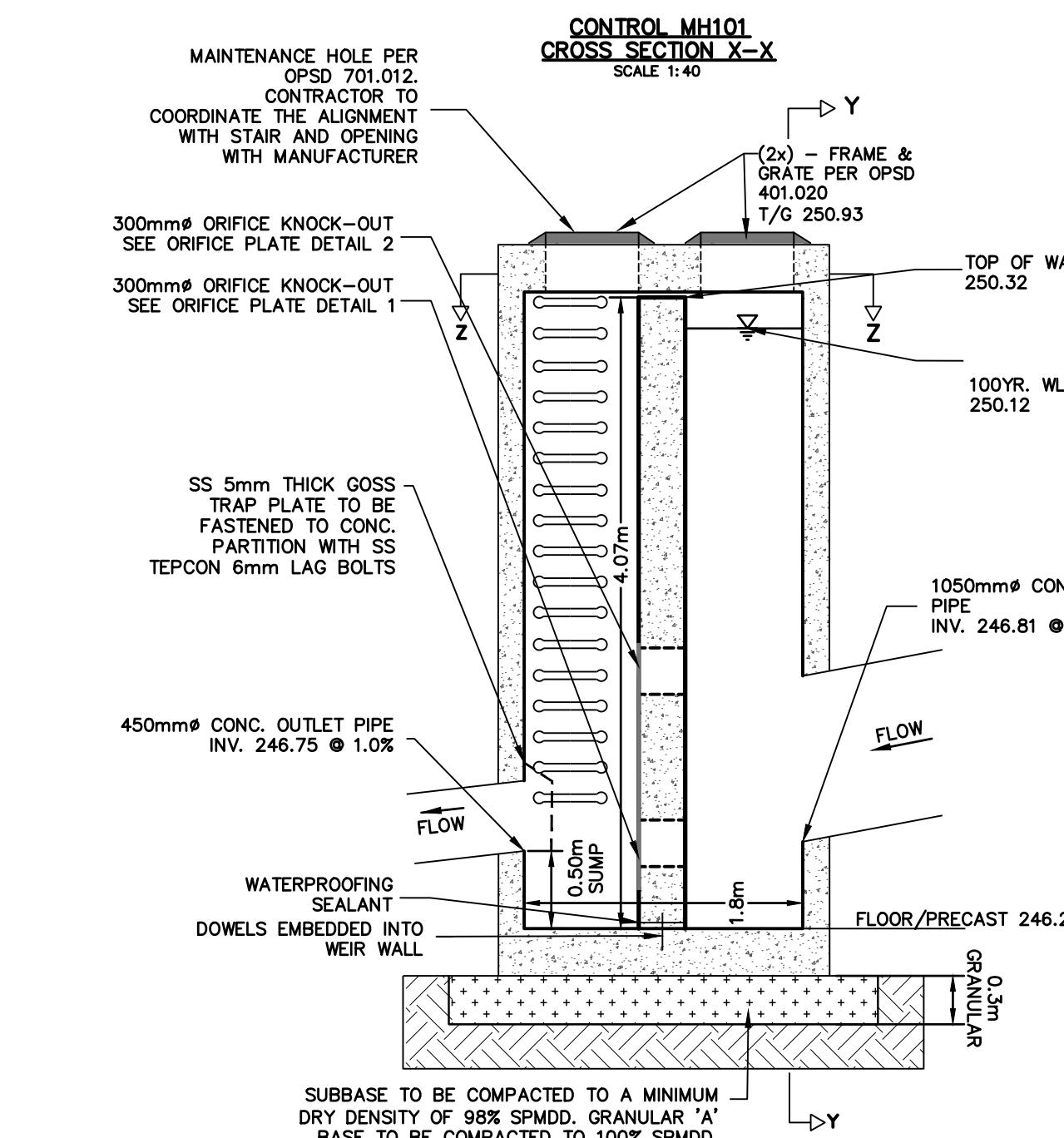
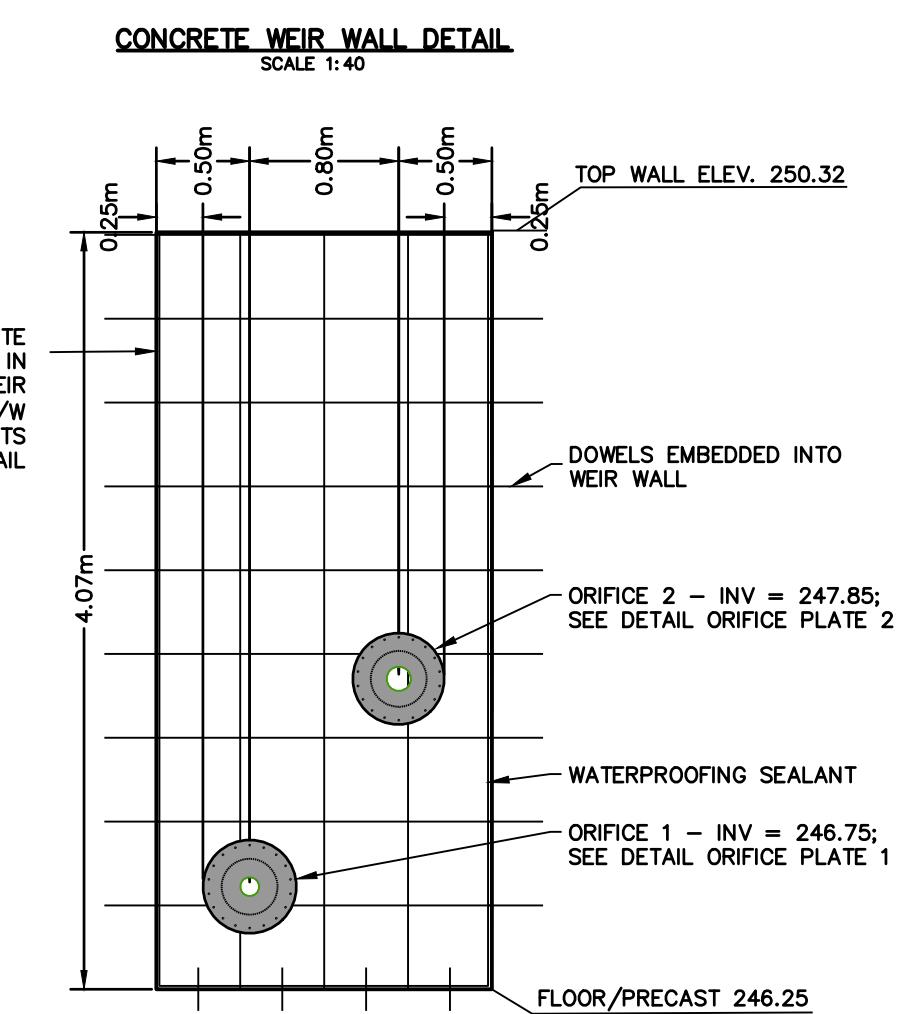
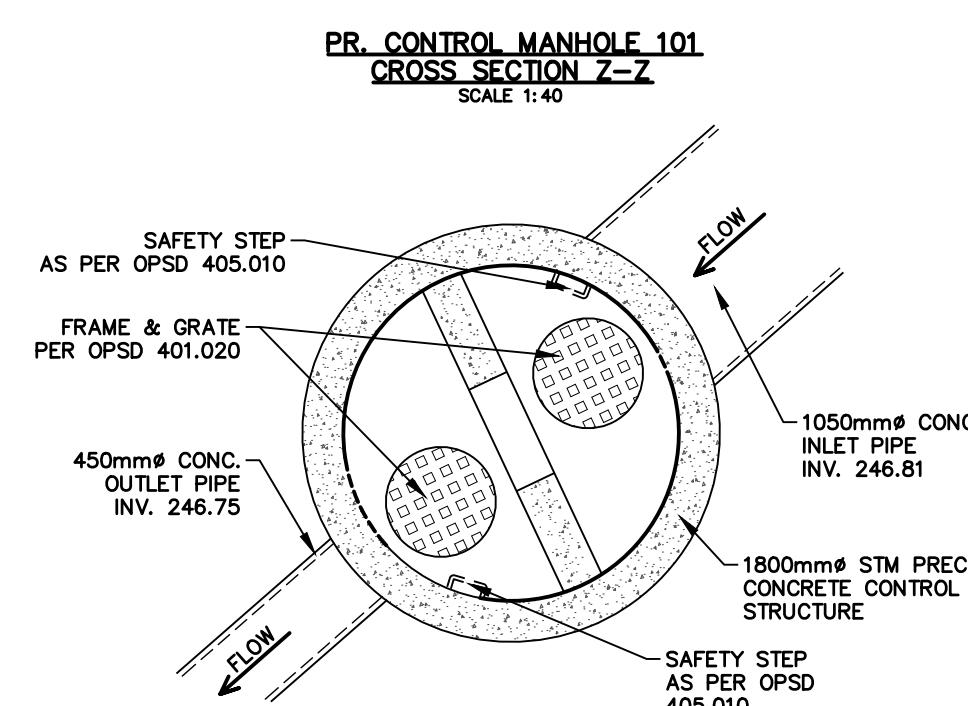
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PROJECT NO: 255025 DRAWING NO: AS101 (2025/09/09)



DATE: YYYY/MM/DD	Engineer	Project
2025/10/30		BROCCOLINI SITE PLAN TOWN OF CALEDON
		Drawing
		STANDARD DETAILS – ONTARIO PRO

## STANDARD DETAILS – ONTARIO PROVINCIAL





#### SHOP DRAWING RESPONSIBILITIES

AS PART OF THEIR FIELD SERVICES, THE ENGINEER MAY REVIEW SHOP DRAWINGS PERTAINING TO WORK SHOWN ON THE ENGINEER'S DRAWINGS BY MEANS OF APPROPRIATE RATIONAL SAMPLING PROCEDURES AND COMMENT ON THE ACCURACY WITH WHICH THE CONTRACTOR PREPARED THE DRAWINGS. REVIEW OF SHOP DRAWINGS IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT AND IS NOT AN APPROVAL OF THE DETAIL DESIGN INHERENT IN THE SHOP DRAWINGS. RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR SUBMITTING THEM. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SHOP DRAWINGS OR FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INFORMATION PERTAINING TO THE FABRICATION PROCESS TECHNIQUES OF CONSTRUCTION AND INSTALLATION, AND FOR CO-ORDINATION OF THE WORK OF ALL SUB-TRADES.

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2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR THE FOLLOWING:
  - i. CONCRETE REINFORCING BAR
  - ii. CONCRETE MIX DESIGN
  - ij. CONCRETE PARTITION WALL
  - ik. KNOCK HOLES AND CUT OUT
  - il. PRECAST BOX OUTLET STRUCTURE

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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.

## BENCHMARK

**BENCHMARKS**  
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF BRAMPTON VERTICAL BENCHMARK NUMBER 042200365 HAVING AN ORTHOMETRIC ELEVATION OF 242.135 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928:1978 ADJ).  
BRASS CAP SET IN CONCRETE, 72.80 METERS SOUTH OF THE CENTRELINE OF MAYFIELD ROAD AND 19.81 METERS EAST OF THE CENTRELINE OF TORBRAM ROAD.

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REFERENCE NO. 22-317

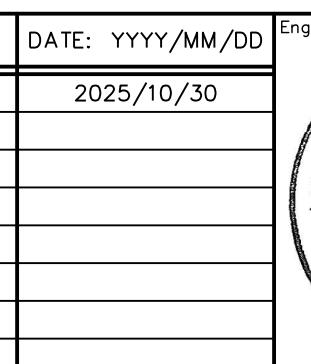
**SITE PLAN NOTES**

DESIGN ELEMENTS ARE BASED ON SITE PLAN PROVIDED BY POWERS BROWN ARCHITECTURE  
PROJECT NO: 255025, DRAWING NO: AS101 (2025/09/09)



# BROCCOLINI SITE PLAN TOWN OF CALEDON

## WORTH CONTROL MANHOLE DETAIL



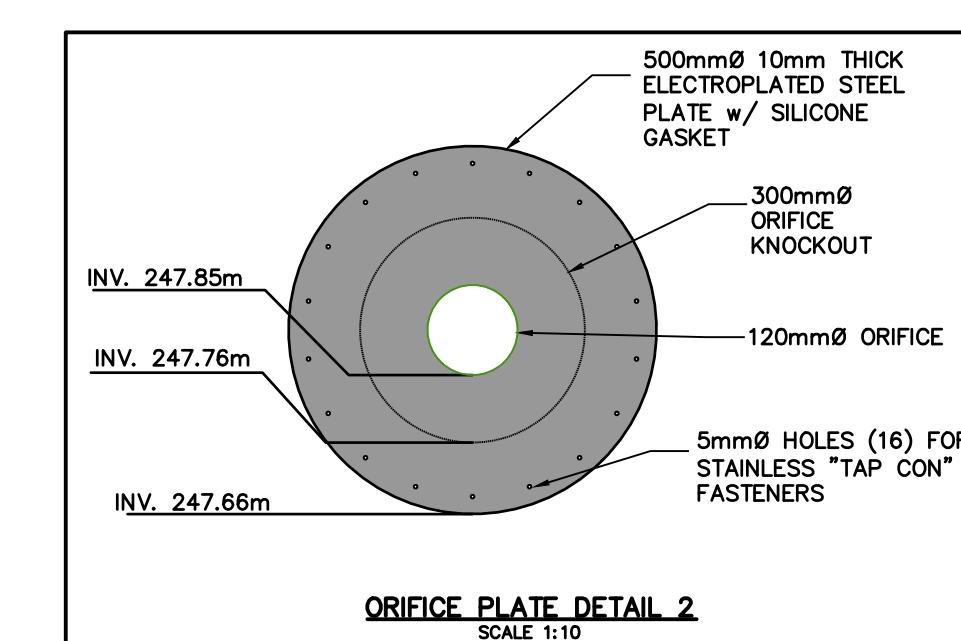
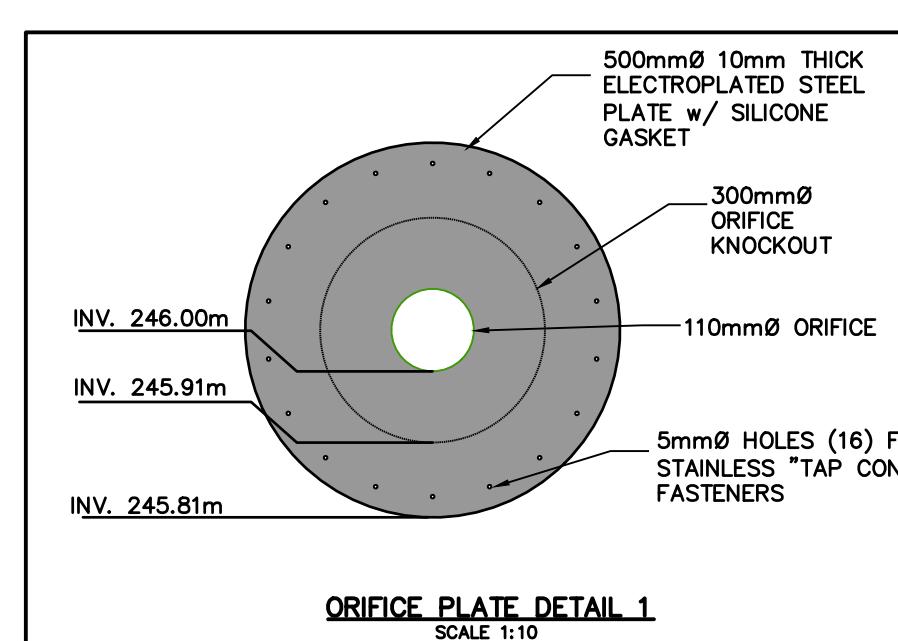
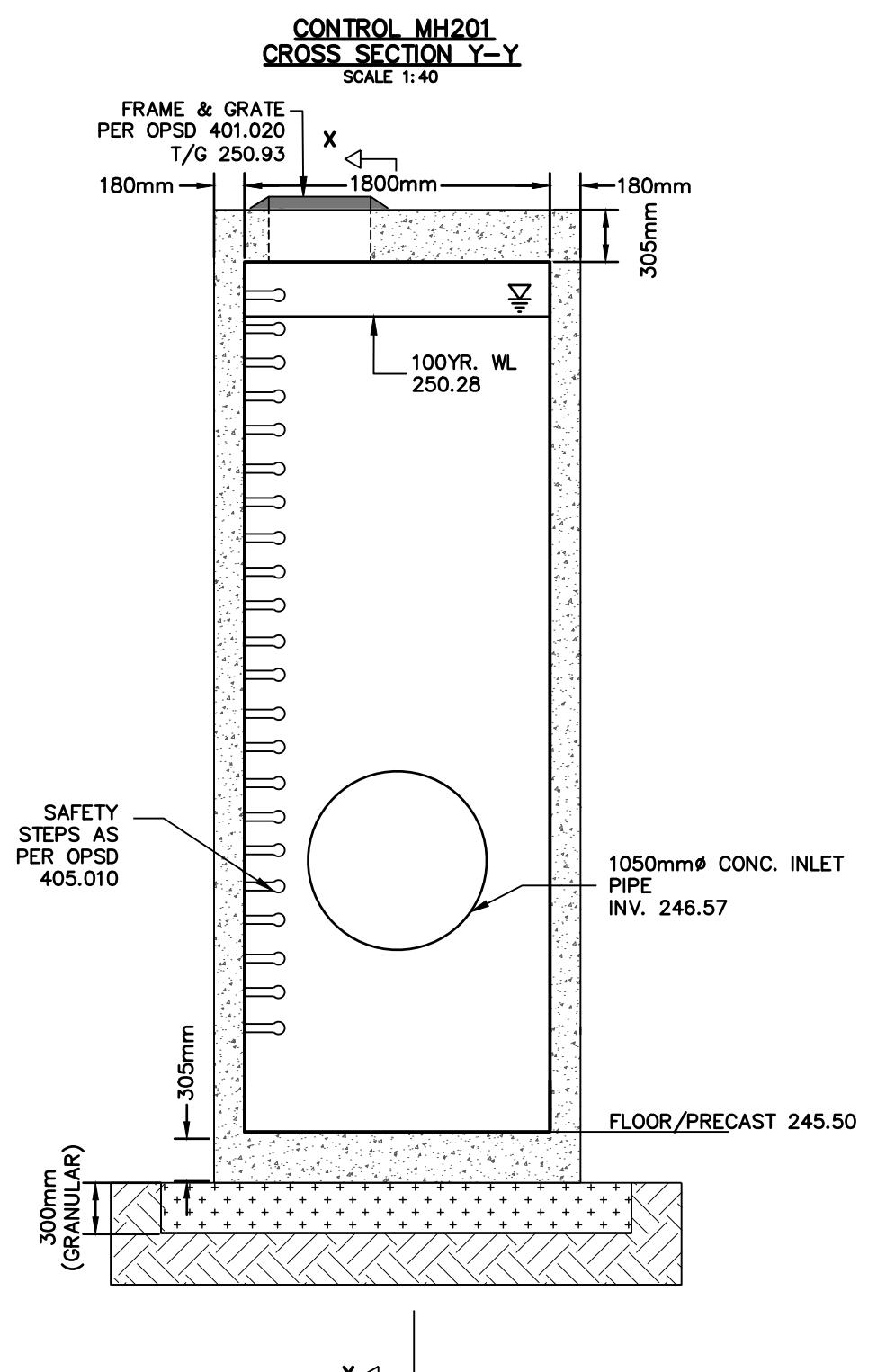
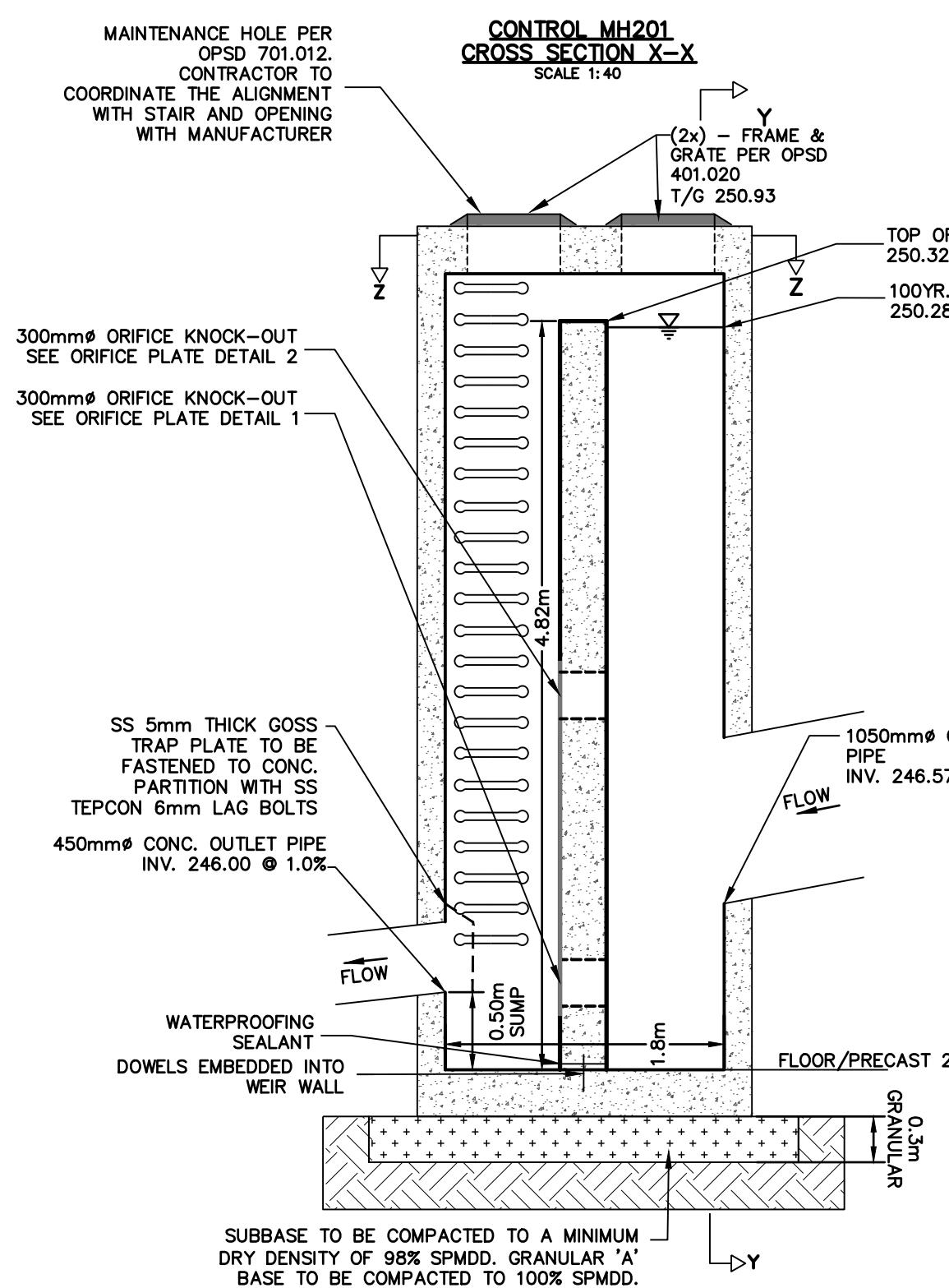
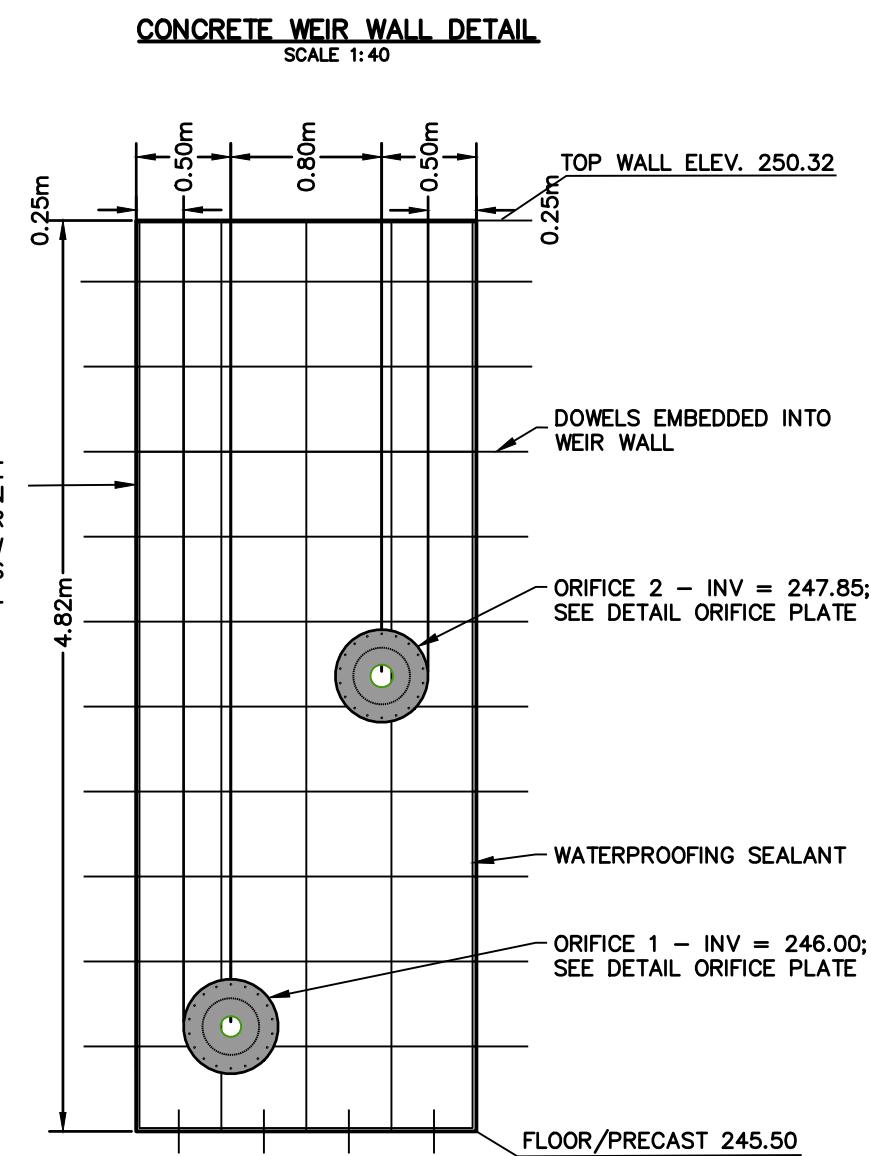
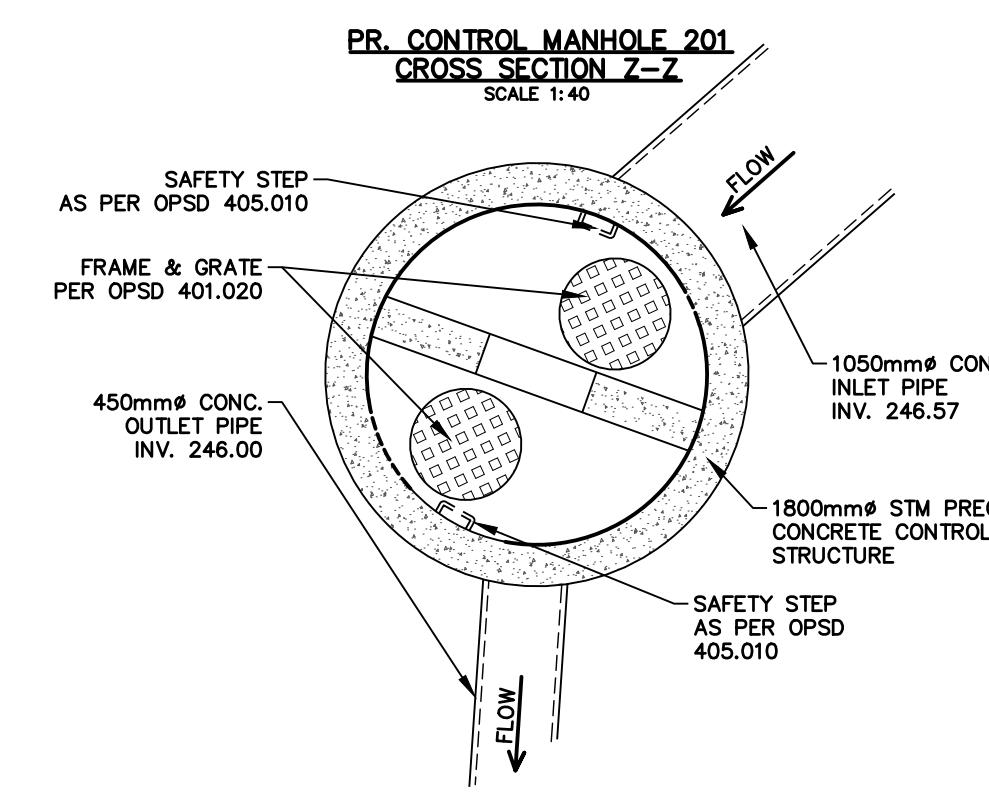
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**SHOP DRAWING RESPONSIBILITIES**  
AS PART OF THEIR FIELD SERVICES, THE ENGINEER MAY REVIEW SHOP DRAWINGS PERTAINING TO WORK SHOWN ON THE ENGINEER'S DRAWINGS BY MEANS OF APPROVAL RATE, STAMPING PROCEDURE, AND REVIEW THE ACCURACY WITH WHICH THE CONTRACTOR PREPARED THE DRAWINGS. REVIEW OF SHOP DRAWINGS IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT AND IS NOT AN APPROVAL OF THE DETAIL DESIGN INHERENT IN THE SHOP DRAWINGS. RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR SUBMITTING THEM. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SHOP DRAWINGS OR FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

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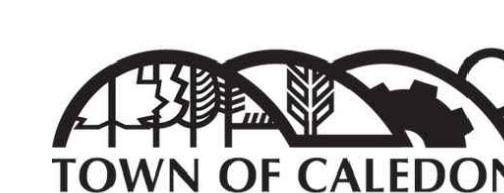
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Town

Engineer

Engineer

Project

Drawing

## REGION OF PEEL CONSTRUCTION NOTES:

### 1.0 GENERAL

1.1 THE APPLICANT, APPLICANT'S REPRESENTATIVE, CONSULTANT, CONTRACTOR AND SUB CONTRACTORS ARE RESPONSIBLE TO ENSURE THAT THEIR DESIGN MATERIALS AND CONSTRUCTION PRACTICES CONFORM TO THE LATEST REGION OF PEEL STANDARDS, SPECIFICATIONS, MATERIALS, AND DESIGN CRITERIA, POSTED ON REGION OF PEEL'S WEBSITE ([www.regionofpeel.ca/standards](http://www.regionofpeel.ca/standards)). IN THE ABSENCE OF REGION SPECIFICATIONS, THE ONTARIO PROVINCIAL STANDARDS (OPSS) SHALL APPLY.

1.2 ALL WORKS SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED THE CONTRACTOR AS DEFINED IN THE ACT, THE CONTRACTOR SHALL, AT THEIR EXPENSE, VERIFY THE LOCATION, DIMENSION, AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES IN THE FIELD. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL, AT THEIR EXPENSE, NOTIFY AND SCHEDULE THE UTILITY AND SERVICE PROVIDERS TO BE COOLED, AND MUST NOTIFY THE DESIGN ENGINEER AND THE AGENCY FIELD INSPECTOR AND/OR PROJECT MANAGER IMMEDIATELY, IN WRITING, OF ANY CONFLICTS OR DISCREPANCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING THE EXISTING UTILITIES FAR ENOUGH IN ADVANCE OF CONSTRUCTION TO MAKE NECESSARY DESIGN MODIFICATIONS FOR REVIEW AND APPROVAL, IF REQUIRED, WITHOUT DELAYING THE WORK.

1.3 THE CONTRACTOR SHALL AT THEIR EXPENSE, AND TO THE SATISFACTION OF THE REGION OF PEEL, BE RESPONSIBLE FOR THE RESTORATION AND THE REPAIR OF THE EXISTING UTILITIES AND ALL AREAS BEYOND THE PLAN SUBDIVISION DISTURBED DURING CONSTRUCTION.

1.4 SUPPORT OF ALL UTILITIES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

1.5 ALL BACKFILL FOR SEWERS, WATERMAINS, AND UTILITIES ON THE ROAD ALLOWANCE MUST BE MECHANICALLY COMPAKTED.

1.6 ALL BOREHOLES SHOWN ON DRAWING ARE FOR INFORMATION ONLY. REFER TO GEOTECHNICAL REPORT.

1.7 ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.

### 2.0 WATERMAIN (IN CUT)

2.1 THE REGION OF PEEL SHALL CONDUCT THE OPERATION OF EXISTING VALVES AND HYDRANTS IF REQUIRED.

2.2 ALL WATERMAINS SHALL HAVE 1.7m MINIMUM COVER FOR URBAN ROAD DESIGN AND 2.1m MINIMUM COVER FOR RURAL ROAD DESIGN.

2.3 ALL WATERMAINS SHALL MAINTAIN A MINIMUM 0.5m CLEARANCE FROM ALL MANHOLES AND CATCH BASINS, WHERE APPLICABLE.

2.4 FOR WATERMAINS CROSSING OVER OR UNDER SEWERS, A MINIMUM 0.5m VERTICAL CLEARANCE SHALL BE PROVIDED.

2.5 FOR WATERMAIN CROSSING A SANITARY SEWER, WATERMAIN JOINTS ARE TO BE OFFSET A MINIMUM OF 2.5m HORIZONTALLY FROM THE CENTERLINE OF THE SANITARY SEWER.

2.6 WATERMAIN BEDDING SHOULD BE AS PER TRENCH DETAIL ON THE PLAN AND PROFILE DRAWING AND COMPACTED TO 100% PSD.

2.7 WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED PLANS. A COPY OF THE GRADE SHEET MUST BE SUPPLIED TO THE REGION OF PEEL INSPECTOR PRIOR TO COMMENCEMENT OF WORK.

2.8 ANY JOINT DEFLECTION SHALL NOT EXCEED 50% OF MANUFACTURER'S SPECIFICATION. PIPE BARREL DEFLECTION IS PROHIBITED.

2.9 FIRE HYDRANTS SHALL BE INSTALLED AS PER REGION STD. DWG. 1-6-1 OR 1-6-2 WITH FLANGE SET BETWEEN 50mm AND 150mm ABOVE FINISHED GRADE.

2.10 ALL HYDRANTS SHALL HAVE 1.2m MINIMUM HORIZONTAL CLEARANCE FROM ALL OTHER UTILITIES AND STRUCTURES MEASURED FROM THE NEAREST POINT OF THE STRUCTURE.

2.11 MECHANICAL RESTRAINERS ARE REQUIRED FOR ALL FITTINGS, VALVES, DEAD ENDS, CAPS, AND HYDRANTS ON ALL PVC WATERMAINS; MINIMUM RESTRAINED PIPE LENGTH AS PER REGION'S STANDARD.

2.12 STAINLESS STEEL NUTS AND BOLTS SHALL BE USED ON ALL METALLIC FITTINGS AND JOINT RESTRAINTS.

2.13 ALL METALLIC VALVES, FITTINGS, THROUGH WALL METAL PIPING, AND JOINT RESTRAINTS TO BE C/W DENSO PASTE, DENSO MASTIC & DENSO TAPE, OR APPROVED EQUAL, AND APPLIED TO THE MANUFACTURER'S RECOMMENDATIONS.

2.14 WHERE PLASTIC PIPE IS USED, INSTALL A 12 GAUGE TWI STRANDED COPPER, LIGHT COLOURED, PLASTIC COATED TRACER WIRE ATTACHED TO THE PIPE WITH APPROVED WIRE SPLICING. THE WIRE SHOULD BE BROUGHT TO THE SURFACE AT EACH SERVICE, VALVE BOX, AND HYDRANT VALVE.

2.15 ALL 50mm<sup>2</sup> WATERMAIN SHALL BE TYPE 'K' SOFT COPPER. WATERMAIN INSTALLATION IN CUL-DE-SACS AS PER REGION STD. DWG. 1-7-4.

2.16 A PHYSICAL SEPARATION MUST BE MAINTAINED AT ALL CONNECTION POINTS OF NEW WATERMAIN TO THE EXISTING SYSTEM UNTIL BACTERIOLOGICAL TESTS HAVE PASSED, AS PER STD. DWG. 1-7-7 AND 1-7-8.

2.17 PROVISION FOR FLUSHING OF NEW WATERMAINS PRIOR TO TESTING MUST BE PROVIDED WITH AT LEAST 50mm OUTLET ON WATERMAINS SMALLER THAN 300mm<sup>2</sup>, AND MINIMUM 100mm OUTLET ON WATERMAINS 300mm<sup>2</sup> AND LARGER. COPPER WATERMAINS ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE WATERMAIN, AS PER STD. DWG. 1-7-7 AND 1-7-8.

2.18 ALL SERVICE CONNECTIONS TO PVC PIPES ARE TO BE MADE USING APPROVED WIRE BAND SERVICE SADDLE. DIRECT TAPPING IS NOT ALLOWED.

2.19 ALL WATER SERVICES SHALL BE 25mm<sup>2</sup> NOMINAL COPPER PIPE SIZE OR 32mm<sup>2</sup> POLYETHYLENE PIPE. IN GENERAL, NON METALLIC SERVICES SHALL BE ONE SIZE LARGER THAN THE NOMINAL COPPER PIPE SIZE AS PER LATEST APPROVED REGIONAL PRODUCT LIST, AND SIZES C/W TRACER WIRE.

2.20 THE MINIMUM LATERAL DISTANCE BETWEEN WATER SERVICES AND OTHER UTILITIES SHALL BE 1.2m.

2.21 ALL RESIDENTIAL WATER SERVICE BOXES/CURB STOPS SHALL BE INSTALLED WITHIN SODDED AREAS, WITH A MINIMUM DISTANCE OF 1.0m FROM THE EDGE OF THE DRIVEWAY, BE FLUSH WITH GRADE AND ACCESSIBLE AT ALL TIMES.

2.22 VALVE AND BOXES SHALL BE CAST IRON SLIDING TYPE, COMPLETED WITH VALVE GUIDE PLATES AND INSTALLED AS PER REGION STD. 1-3-8. MAINLINE VALVES TO BE RESTRAINED AS PER REGION STD. 1-3-3A. VALVES SHALL OPEN TO THE LEFT (COUNTER-CLOCKWISE).

2.23 ALL WATER SERVICE BOXES SHOULD BE "LEAD FREE" AS PER REGION'S MATERIAL SPECIFICATIONS.

2.24 THE REGION WILL COMPLETE THE NECESSARY WATER TESTING (PRESSURE TEST, FLUSHING, CHLORINATION, AND SAMPLING). THE CONTRACTOR MAY PROCEED WITH THEIR OWN PRESSURE TEST AND FLUSHING PRIOR TO REGION'S TESTING.

### 3.0 WATERMAIN (IN FILL)

3.1 NO WATERMAIN TO BE LAID ON FILL UNTIL THE FIELD DENSITY TEST REPORTS HAVE BEEN SUBMITTED TO AND APPROVED BY THE REGION OF PEEL OR THE CONSULTING ENGINEER.

3.2 PIPE JOINT DEFLECTIONS ARE NOT ALLOWED IN FILL AREA.

3.3 JOINTS SHALL BE MECHANICALLY RESTRAINED THE WHOLE LENGTH.

3.4 ALL HYDRANTS, TEE BRANCH VALVES, AND HORIZONTAL BENDS ARE TO BE MECHANICALLY RESTRAINED WITH TIE RODS.

3.5 IN EXISTING MUNICIPAL RIGHT-OF-WAY OR EASEMENT, FILL TO BE PLACED TO 600mm MINIMUM ABOVE THE OVERT OF THE WATERMAIN AND TO 300mm EITHER SIDE, COMPACTED TO MINIMUM 100% STANDAR PROCTOR DENSITY IN 300mm LIFTS; AND THEREAFTER, FOR EVERY 300mm LIFT ALONG THE CENTERLINE, AND 1.5m TO EITHER SIDE, OF WATERMAIN AT MAXIMUM INTERVAL OF 30.0m. TEST RESULTS MUST BE SUBMITTED TO AND APPROVED BY THE CONSULTANT OR AGENCY.

### 4.0 SANITARY SEWERS

4.1 ALL PVC PIPES TO BE SDR-35, PSD 802.010 BEDDING.

4.2 MAINTENANCE SANITARY SEWER PIPE SIZE SHALL BE MINIMUM 250mm<sup>2</sup>, INSTALLED AT THE APPROVED DESIGN GRADE. PIPE APPURTENANCES AS PER REGION'S SPECIFICATIONS.

4.3.1 SANITARY SEWERS CONSTRUCTED WITH GRADES 0.5% OR LESS SHALL BE APPROVED BY THE ENGINEER AND THE AGENCY PROJECT MANAGER OR DESIGNATE, AND BE INSTALLED WITH LASER AND CHECKED PRIOR TO BACKFILL.

4.4 MINIMUM SANITARY SEWER PIPE SLOPE FOR LAST LEG SHALL BE 1.0% AND DESIRABLE SLOPE 2.0%.

4.5 ALL MANHOLES SHALL BE AS PER PSD 701.010 TO 701.015 AND BENCHING AS PER PSD 701.021.

4.6 FRAME AND COVERS SHALL BE AS PER PSD 401.010 TYPE 'A' EMBOSSED WITH "SANITARY" IN 50 MM LETTERS.

4.7 MANHOLE STEPS OR LADDERS SHALL BE AS PER PSD 405.010.

4.8 MANHOLES DEEPER THAN 5.0m MUST BE EQUIPPED WITH SAFETY PLATFORMS AS PER PSD 404.020.

4.9 SANITARY SERVICE LATERALS SHALL BE MINIMUM 125mm<sup>2</sup>.

a. SANITARY SERVICE SHALL BE LOWER THAN AND TO THE RIGHT OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE STREET.

b. CONNECTIONS TO SEWERS SHALL BE MADE WITH MANUFACTURED TEES OR WYES WHERE APPLICABLE AND SHALL BE COLOUR CODED AS NON-WHITE, AS PER STD. DWG. 2-4-1, TO 2-4-7.

### 5.0 REGIONAL ROAD

5.1 CONSTRUCTION AND DETOUR SIGNAGE MUST CONFORM TO "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND LATEST REVISION OF THE ONTARIO MINISTRY OF TRANSPORTATION "TRAFFIC CONTROL MANUAL FOR ROADWAY WORK OPERATIONS".

5.2 ALL TEMPORARY SIGNAGE AND TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ONTARIO TRAFFIC MANUAL, BOOK 7 "TEMPORARY CONDITIONS" AND OPS SPECIFICATIONS AND DRAWINGS.

5.3 PAVEMENT MARKINGS MUST BE IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL, BOOK 11 "PAVEMENT HAZARD AND DELINEATION MARKINGS".

5.4 THE CONTRACTOR SHALL NOTIFY IN ADVANCE, AS REQUIRED, THE APPROPRIATE AUTHORITY HAVING JURISDICTION FOR THE ROAD PRIOR TO COMMENCING ANY WORK AND SHALL ACQUIRE AND SATISFY THE REQUIREMENTS OF APPROPRIATE PERMITS (FEES, INSPECTIONS, SIGNAGE, TRAFFIC, MAINTENANCE, DIVERSION, ETC.).

5.5 REGIONAL ROAD CLOSURE IS NOT PERMITTED AT ANY TIME UNLESS APPROVAL FROM REGIONAL COUNCIL WAS OBTAINED FOR THE WORKS, WHERE A MINIMUM TWO MONTH LEAD TIME IS REQUIRED, AS PER REGIONAL POLICY W30-12.

5.6 WORK OPERATIONS THAT REQUIRE DIVERTING TRAFFIC TO ONE LANE ARE SUBJECT TO TIME RESTRICTIONS AND/OR NIGHT TIME OPERATIONS AS SPECIFIED IN ROAD OCCUPANCY PERMIT. THROUGH LANES MUST BE MINIMUM 3.5m, UNLESS OTHERWISE APPROVED.

5.7 FOR TEMPORARY DELINEATION OF TRAFFIC IN OPPOSITE DIRECTIONS A YELLOW CENTRE LINE ON PAVEMENT MUST PAINTED. TRAFFIC CONTROL BARRELS (CONES) ARE NOT PERMITTED FOR THIS USE ON REGIONAL ROADS (NJB) WITH CRASH ATTENUATION DEVICES MUST BE USED ON LONG TERM PROJECTS AS OPPOSED TO TRAFFIC CONTROL DELINEATORS (BARRELS).

5.8 NEW JERSEY BARRIERS USED, OFFSET NO LESS THAN 4.25m FROM EDGE OF TRAVELED LANE.

5.9 ACCESS TO EXISTING ENTRANCES AND SIDE STREETS, INCLUDING PEDESTRIAN ACCESS, SHALL BE MAINTAINED. ACCESS REQUIREMENTS MUST COMPLY WITH REGION OF PEEL CONTROLLED ACCESS BY-LAW.

5.10 LOCATION OF EXISTING UTILITIES TO BE ESTABLISHED BY THE CONTRACTOR. ALL EXISTING UTILITY ELEVATIONS (SANITARY AND WATERMAIN) INCLUDING CENTRE LINE OF THE ROAD ELEVATIONS HAVE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCING ANY WORK ON SITE. ANY DISCREPANCIES SHALL BE REPORTED TO THE REGION IMMEDIATELY.

5.11 THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK, WHETHER SHOWN ON THE PLAN OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.

5.12 THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITY AUTHORITY PRIOR TO CROSSING SUCH UTILITIES FOR THE PURPOSE OF INSPECTION. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTIONS.

5.13 ALL ROAD BASE SHALL BE AS PER REGION OF PEEL STD. DWG. 5-1-1 AND 5-1-2.

5.14 ASPHALT PRESERVATIVE SEALER SUCH AS RE-CLIMATE OR APPROVED EQUIVALENT SHALL BE APPLIED AFTER THE ONE-YEAR MAINTENANCE PERIOD FOR THE TOP COURSE ASPHALT.

5.15 ALL EXISTING PAVEMENT, CURB, SIDEWALKS & BOULEVARDS, AND OTHER AREAS DISTURBED BY THE WORK, TO BE REINSTATED EQUAL TO EXISTING AND TO THE SATISFACTION OF APPLICABLE AUTHORITY HAVING JURISDICTION OVER THE ROAD. EXISTING PAVEMENT AND CURBS TO BE SAW-CUT TO PROVIDE A SMOOTH JOINT.

5.16 EROSION CONTROL MEASURES TO BE IMPLEMENTED AS REQUIRED.

5.17 FOR ROAD PROJECTS THAT WILL NOT BE COMPLETED PRIOR TO THE END OF THE CONSTRUCTION SEASON, THE FOLLOWING WILL NEED TO BE CONSIDERED IN ORDER TO WINTERIZE THE CONSTRUCTION PROJECT TO ENSURE SAFE CONDITIONS DURING WINTER:

a. WHERE APPLICABLE, CURB AND GUTTER SECTIONS ARE TO BE COMPLETED, THE BASE COURSE ASPHALT SHALL BE IN PLACE.

b. CATCH BASINS AND MAINTENANCE HOLES SET TO EXISTING BASE GRADE.

c. STEEL PLATING NOT PERMITTED.

d. HOT MIX ASPHALT (HMA) ONLY.

e. LANE DELINEATION AND PAVEMENT MARKING COMPLETED.

f. WHERE NEW JERSEY BARRIERS USED, OFFSET NO LESS THAN 4.25m FROM EDGE OF TRAVELED LANE.

g. ROAD AND BOULEVARD MUST BE FREE OF OBSTRUCTIONS, AND ACCOMMODATE SAFE SNOW PLOW OPERATION, CONSIDERING THAT A WING AND PLOW IS 6.0m WIDE AND A MINIMUM OF 1.52m SNOW STORAGE IS REQUIRED.

h. ALL CATCH BASIN GRATES SHALL BE SIDE INLET, PSD 400.081 (LATEST VERSION) UNLESS OTHERWISE NOTED.

i. WINTER SHUT-DOWN MEETINGS WITH THE REGION OF PEEL ROAD MAINTENANCE STAFF ARE REQUIRED PRIOR TO SEASONAL SHUT-DOWN AND SHALL BE ORGANIZED BY THE CONSULTANT OR PROJECT MANAGER OR DESIGNATE.

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6. DO NOT SCALE DRAWINGS.

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SURVEY COMPLETED BY R-PE SURVEYING LTD. (2022/DEC/12)

REFERENCE NO. 22-317

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### 6.0 TRAFFIC SIGNS AND SIGNALS ON REGIONAL ROADS

6.1 ALL REQUIRED TRAFFIC SIGNS, WHETHER REGULATORY, WARNING, TEMPORARY, OR GUIDE/DIRECTIONAL IN NATURE SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFICATIONS AND REGULATION CONTAINED IN THE ONTARIO TRAFFIC MANUALS, THE HIGHWAY TRAFFIC ACT, AND REGION OF PEEL TRAFFIC BY-LAW.

6.2 ELECTRICAL WORKS SHALL CONFORM TO THE ONTARIO PROVINCIAL STANDARD DRAWINGS AND REGION OF PEEL STANDARD DRAWINGS AND SPECIFICATIONS.

6.3 TRAFFIC CONTROLLERS MUST BE INSTALLED AS PER APPROVED LOCATIONS. EQUIPMENT MUST NOT ENCROACH ON PRIVATE PROPERTY WITHOUT PERMISSION TO ENTER, EASEMENT, PERMANENT OR TEMPORARY UNDERTAKINGS.

### REGION OF PEEL NOTES:

1. PUBLIC AND PRIVATE SERVICES, APPURTENANCES MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE MOST CURRENT REGION OF PEEL STANDARDS AND SPECIFICATIONS. THE LOCAL MUNICIPALITY'S REQUIREMENT FOR THE ONTARIO BUILDING CODE AND ONTARIO PROVINCIAL STANDARDS. ALL WORKS SHALL ADHERE TO ALL APPLICABLE LEGISLATION, INCLUDING REGIONAL BY-LAWS

2. WATERMAIN AND / OR WATER SERVICE MATERIALS 100 MM (4") AND LARGER MUST BE PVC DR18 CONSTRUCTED AS PER AWWA C900-16.

3. WATERMAINS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 M (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2 M (4') FROM THEMSELVES AND ALL OTHER UTILITIES.

4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50 MM (2") OUTLET ON 100 MM (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN INTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET IS TO BE 100 MM (4") DIAMETER MINIMUM ON A HYDRANT.

5. ALL CURB STOPS TO BE 3.0 M (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.

6. HYDRANT AND VALVE SET TO REGION STANDARD 1 - 6 - 1 DIMENSION A AND B, 0.7 M (2') AND 0.9 M (3') AND TO HAVE PUMPER NOZZLE.

7. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3 M (12") OVER / 0.5 M (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.

8. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.

9. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.

10. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.

11. ALL WATER METERS MUST BE INSTALLED IN HEATED AND ACCESSIBLE SPACE.

12. PROPOSALS TO CONNECT TO AN EXISTING SERVICE LATERAL REQUIRES APPROVAL FROM THE REGION OF PEEL INSPECTOR AT CONSTRUCTION STAGE



### REGION OF PEEL NOTES:

1. PUBLIC AND PRIVATE SERVICES, APPURTENANCES MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE MOST CURRENT REGION OF PEEL STANDARDS AND SPECIFICATIONS. THE LOCAL MUNICIPALITY'S REQUIREMENT FOR THE ONTARIO BUILDING CODE AND ONTARIO PROVINCIAL STANDARDS. ALL WORKS SHALL ADHERE TO ALL APPLICABLE LEGISLATION, INCLUDING REGIONAL BY-LAWS

2. WATERMAIN AND / OR WATER SERVICE MATERIALS 100 MM (4") AND LARGER MUST BE PVC DR18 CONSTRUCTED AS PER PSD 400.081.

3. WATERMAINS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 M (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2 M (4') FROM THEMSELVES AND ALL OTHER UTILITIES.

4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50 MM (2") OUTLET ON 100 MM (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN INTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET IS TO BE 100 MM (4") DIAMETER MINIMUM ON A HYDRANT.

5. ALL CURB STOPS TO BE 3.0 M (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.

6. HYDRANT AND VALVE SET TO REGION STANDARD 1 - 6 - 1 DIMENSION A AND B, 0.7 M (2') AND 0.9 M (3') AND TO HAVE PUMPER NOZZLE.

7. WATERMAINS MUST BE ISOLATED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE PROVIDED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.

8. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3 M (12") OVER / 0.5 M (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.

9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.

10. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.

11. LOCATION OF EXISTING SERVICES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.

12. PROTECTIVE WORK(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATING, EROSION SUPPORTING, AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK, WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.

13. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE REGIONAL INSPECTOR FOR CROSSING SUCH UTILITIES FOR THE PURPOSE OF INSPECTION BY THE CONTRACTOR. THE INSPECTION SHALL BE CONDUCTED BY THE REGIONAL INSPECTOR AND THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.

14. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.

15. ALL WATER METERS MUST BE INSTALLED IN HEATED AND ACCESSIBLE SPACE.

16. PROPOSALS TO CONNECT TO AN EXISTING SERVICE LATERAL REQUIRES APPROVAL FROM THE REGION OF PEEL INSPECTOR AT CONSTRUCTION STAGE

### TOWN OF CALEDON GENERAL NOTES:

a. CONSTRUCTION FOR THIS PROJECT TO COMPLY WITH THE MOST CURRENT VERSION OF THE DEVELOPMENT STANDARDS, POLICIES AND GUIDELINES, PREPARED BY THE TOWN OF CALEDON INFRASTRUCTURE DEPARTMENT AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.

b. ALL PROPOSED CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.

c. A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING CONSTRUCTION WITHIN THE MUNICIPAL RIGHT OF WAY THE CONTRACTOR MUST CONTACT THE FOLLOWING:

THE TOWN OF CALEDON  
PUBLIC WORKS AND  
ENGINEERING DEPARTMENT  
905-584-2272

THE REGION OF PEEL  
ENBRIDGE CONSUMERS  
GAS HYDRO ONE  
BELL CANADA  
ROGERS CABLE  
FIRE AND EMERGENCY SERVICES

d. ALL DRAINAGE TO BE SELF-CONTAINED AND DISCHARGED TO A LOCATION APPROVED BY THE PUBLIC WORKS AND ENGINEERING DEPARTMENT AND CONSERVATION AUTHORITY PRIOR TO COMMENCEMENT OF WORK.

e. SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ON THE SITE AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION