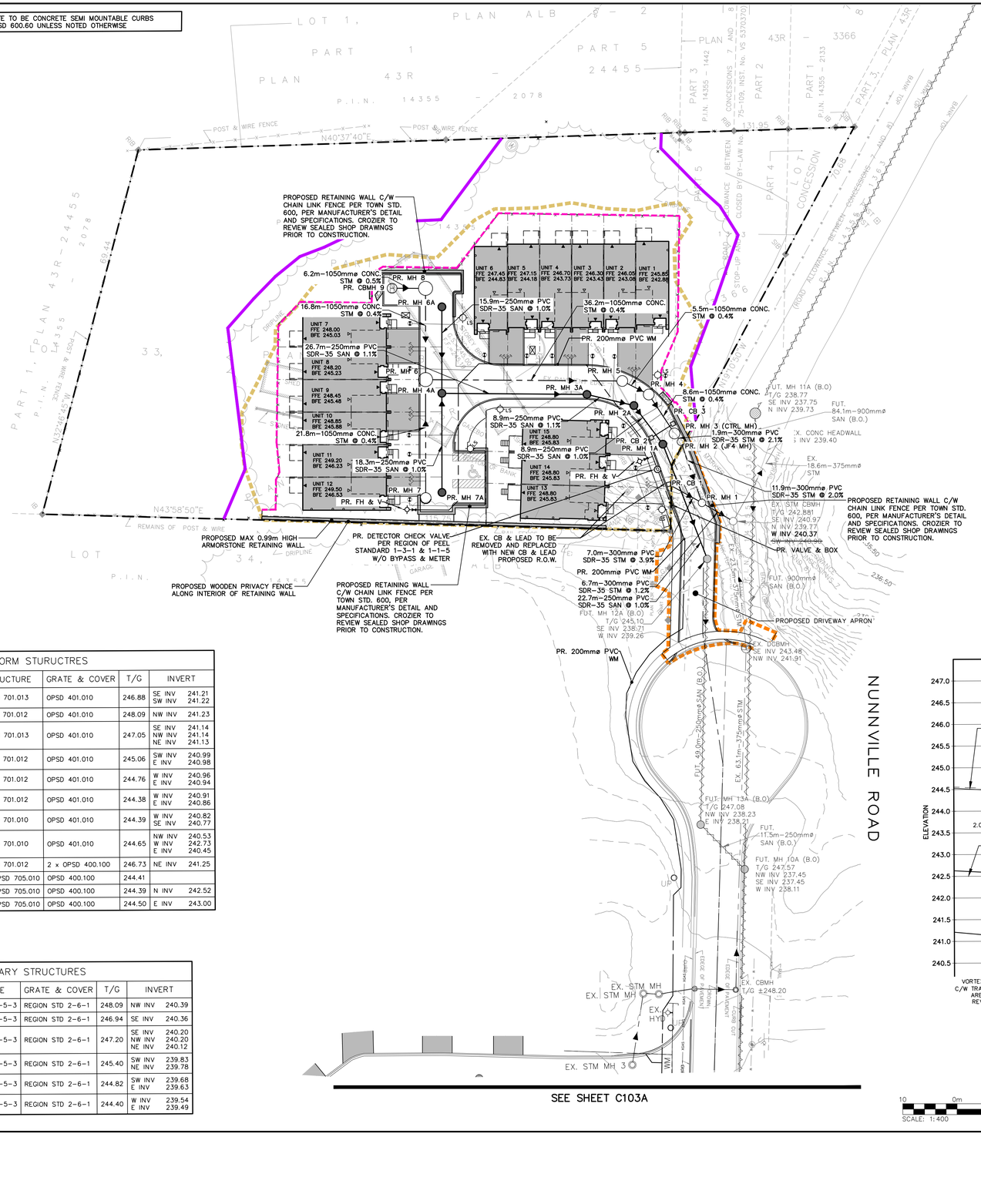
PROPOSED CURBS INSIDE THE SITE TO BE CONCRETE SEMI MOUNTABLE CURBS WITH STANDARD GUTTER PER OPSD 600.60 UNLESS NOTED OTHERWISE



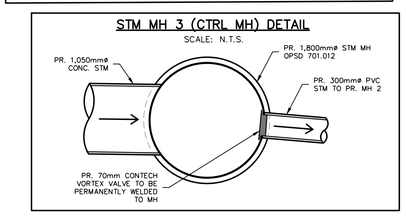
REGION OF PEEL NOTES:

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 REQUIREMENTS 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. SIZE 50 MM (2") AND SMALLER MUST BE TYPE K SOFT COPPER CONSTRUCTED AS PER ASTM B88–49 OR POLYETHYLENE CONSTRUCTED AS PER AWWA C901 AND CSA B.137.10 (CHOOSE ONLY ONE MATERIAL).
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 ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET 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 TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED 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 ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
12. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF 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 UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH 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.

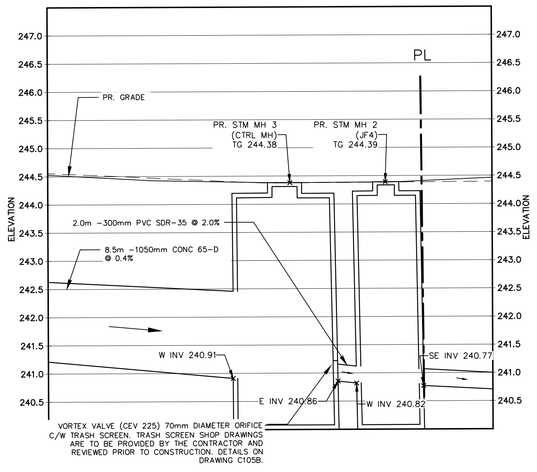
SERVICING NOTE:
MAINTENANCE HOLES TO BE BENCHED FOLLOWING SUPERPIPE SLOPE.

STM MH 3 (CTRL MH) DETAIL

SCALE: N.T.S.



SECTION E
SCALE: V=1:100, H=1:50



VORTEX VALVE (CEV 225) 70mm DIAMETER ORIFICE C/W TRASH SCREEN. TRASH SCREEN SHOP DRAWINGS ARE TO BE PROVIDED BY THE CONTRACTOR AND REVIEWED PRIOR TO CONSTRUCTION. DETAILS ON DRAWING C105B.

KEY PLAN
SCALE: N.T.S.

LEGEND

- PROPERTY LINE
- EXISTING WATERMAIN & GATE VALVE
- EXISTING STORM SEWER & MANHOLE
- EXISTING SINGLE CATCHBASIN
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED WATERMAIN & GATE VALVE
- 25mm COPPER DOMESTIC WATER SERVICE C/W VALVE AND BOX
- PROPOSED FIRE HYDRANT & GATE VALVE
- PROPOSED STORM SEWER & MANHOLE
- PROPOSED SINGLE CATCHBASIN
- PROPOSED SANITARY SEWER & MANHOLE
- FUTURE SANITARY SEWER & MANHOLE
- LIMIT OF GRADING
- EXTERNAL ENTRANCE CIVIL WORKS LIMIT
- LONG TERM STABLE TOP OF SLOPE
- DEVELOPMENT LIMIT
- EXISTING ELECTRICAL TRANSFORMER

TOWN OF CALEDON
PLANNING
RECEIVED
Dec 22, 2023

STORM STURUCTRES				
I.D.	SIZE & STRUCTURE	GRATE & COVER	T/G	INVERT
PR. MH 8	2,400 mm OPSD 701.013	OPSD 401.010	246.88	SE INV 241.21 SW INV 241.22
PR. MH 7	1,800 mm OPSD 701.012	OPSD 401.010	248.09	NW INV 241.23
PR. MH 6	2,400 mm OPSD 701.013	OPSD 401.010	247.05	SE INV 241.14 NW INV 241.14 NE INV 241.13
PR. MH 5	1,800 mm OPSD 701.012	OPSD 401.010	245.06	SW INV 240.99 E INV 240.98
PR. MH 4	1,800 mm OPSD 701.012	OPSD 401.010	244.76	W INV 240.96 E INV 240.94
PR. MH 3 (CTRL MH)	1,800 mm OPSD 701.012	OPSD 401.010	244.38	W INV 240.91 E INV 240.86
PR. MH 2 (JF4 MH)	1,200 mm OPSD 701.010	OPSD 401.010	244.39	W INV 240.82 SE INV 240.77
PR. MH 1	1,200 mm OPSD 701.010	OPSD 401.010	244.65	NW INV 240.53 W INV 242.73 E INV 240.45
PR. CBMH 9	1,800 mm OPSD 701.012	2 x OPSD 400.100	246.73	NE INV 241.25
PR. CB 3	600x600 mm OPSD 705.010	OPSD 400.100	244.41	
PR. CB 2	600x600 mm OPSD 705.010	OPSD 400.100	244.39	N INV 242.52
PR. CB 1	600x600 mm OPSD 705.010	OPSD 400.100	244.50	E INV 243.00

SANITARY STRUCTURES				
I.D.	SIZE & STRUCTURE	GRATE & COVER	T/G	INVERT
PR. MH 7A	1,200 mm REGION STD 2–5–3	REGION STD 2–6–1	248.09	NW INV 240.39
PR. MH 6A	1,200 mm REGION STD 2–5–3	REGION STD 2–6–1	246.94	SE INV 240.36
PR. MH 4A	1,200 mm REGION STD 2–5–3	REGION STD 2–6–1	247.20	SE INV 240.20 NW INV 240.20 NE INV 240.12
PR. MH 3A	1,200 mm REGION STD 2–5–3	REGION STD 2–6–1	245.40	SW INV 239.83 NE INV 239.78
PR. MH 2A	1,200 mm REGION STD 2–5–3	REGION STD 2–6–1	244.82	SW INV 239.68 E INV 239.63
PR. MH 1A	1,200 mm REGION STD 2–5–3	REGION STD 2–6–1	244.40	W INV 239.54 E INV 239.49

No.	ISSUE / REVISION	YYYY/MMM/DD
4	ISSUED FOR SECOND SUBMISSION SPA	2023/DEC/19
3	ISSUED FOR FIRST SUBMISSION SPA	2023/APR/25
2	ISSUED FOR PRE–DART SUBMISSION	2023/APR/05
1	ISSUED FOR SECOND SUBMISSION ZBA	2023/MAR/06
0	ISSUED FOR FIRST SUBMISSION ZBA	2022/APR/13

ELEVATION NOTE:

ELEVATIONS ARE GEODETIC IN ORIGIN AND ARE REFERRED TO FIRST ORDER BENCHMARK No.00819758057 HAVING AN ORTHOMETRIC ELEVATION OF 251.929 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD–1928:1978)

SURVEY NOTES:

SKETCH FOR ENGINEER'S USE COMPLETED BY R–PE SURVEYING LTD. ON THE 23RD DAY OF FEBRUARY, 2022.
JOB No. 21–434

SITE PLAN NOTES:

DESIGN ELEMENTS SHOWN ARE BASED ON SITE PLAN PREPARED BY VA3 DESIGN.
PROJECT NUMBER: 22008 (2023/NOV/23)

DRAWING NOTES:

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC. AND THE REPRODUCTION OF ANY PART OF IT WITHOUT PRIOR WRITTEN CONSENT OF THIS OFFICE IS STRICTLY PROHIBITED.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO THIS OFFICE PRIOR TO CONSTRUCTION.

THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT. DO NOT SCALE THIS DRAWING.

ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Project

13290 NUNNVILLE RD
TOWN OF CALEDON

Drawing

SITE SERVICING PLAN

SCALE: 1:400

Engineer

LICENSED PROFESSIONAL ENGINEER
P.SMUCZAK
100519964
2023.12.19
649-6278
PROVINCE OF ONTARIO

Engineer

CROZIER CONSULTING ENGINEERS
2800 HIGH POINT DRIVE
SUITE 100
MILTON, ON L9T 6P4
905 875 0026 T
905 875 4915 F
WWW.CFCROZIER.CA

Drawn	Design	Project No.	
P.S./J.B.	P.S./J.B.		649–6278
Check	Check	Scale	Dwg.
P.S.	P.S./N.C.	1:400	C102A