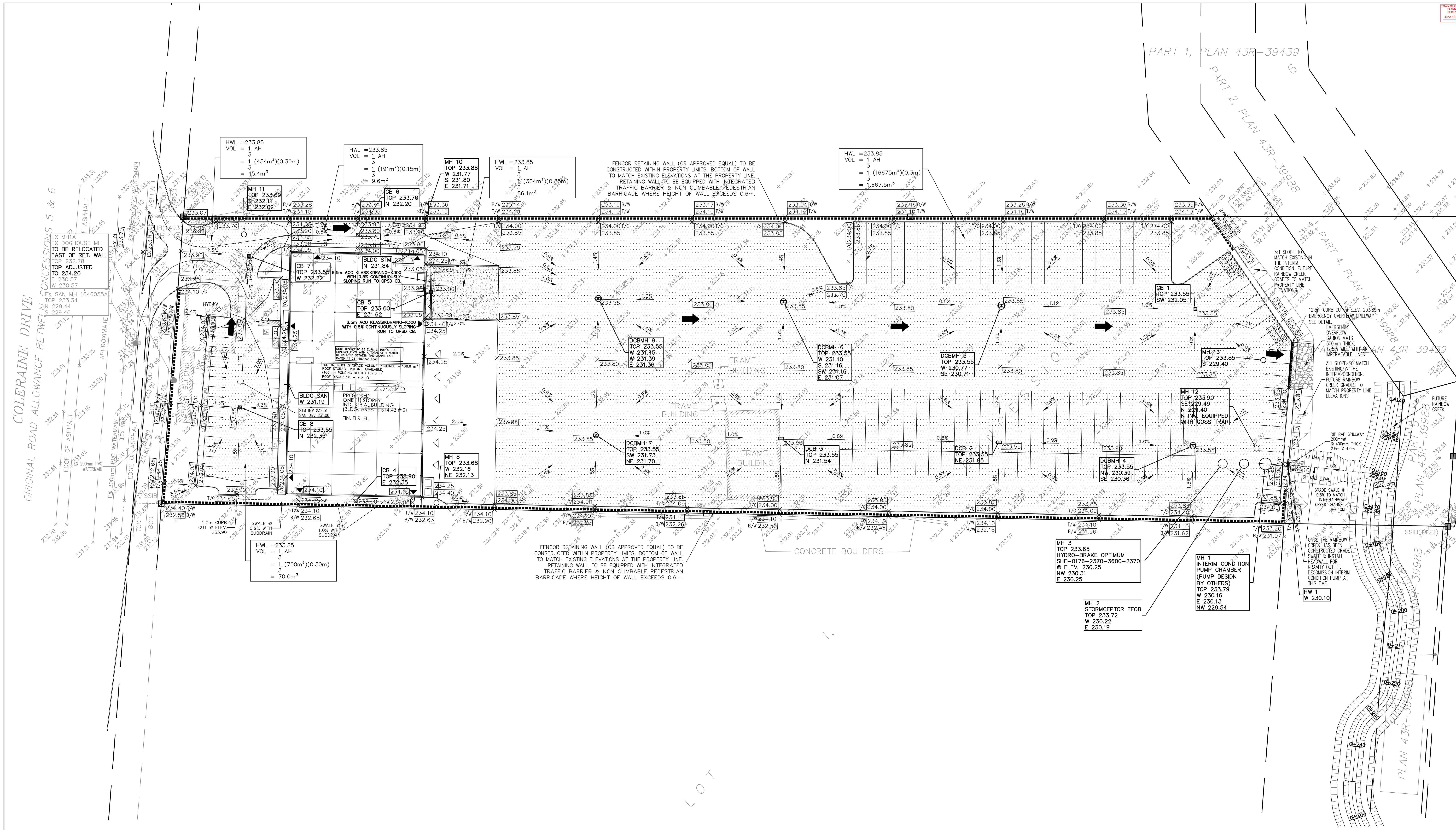
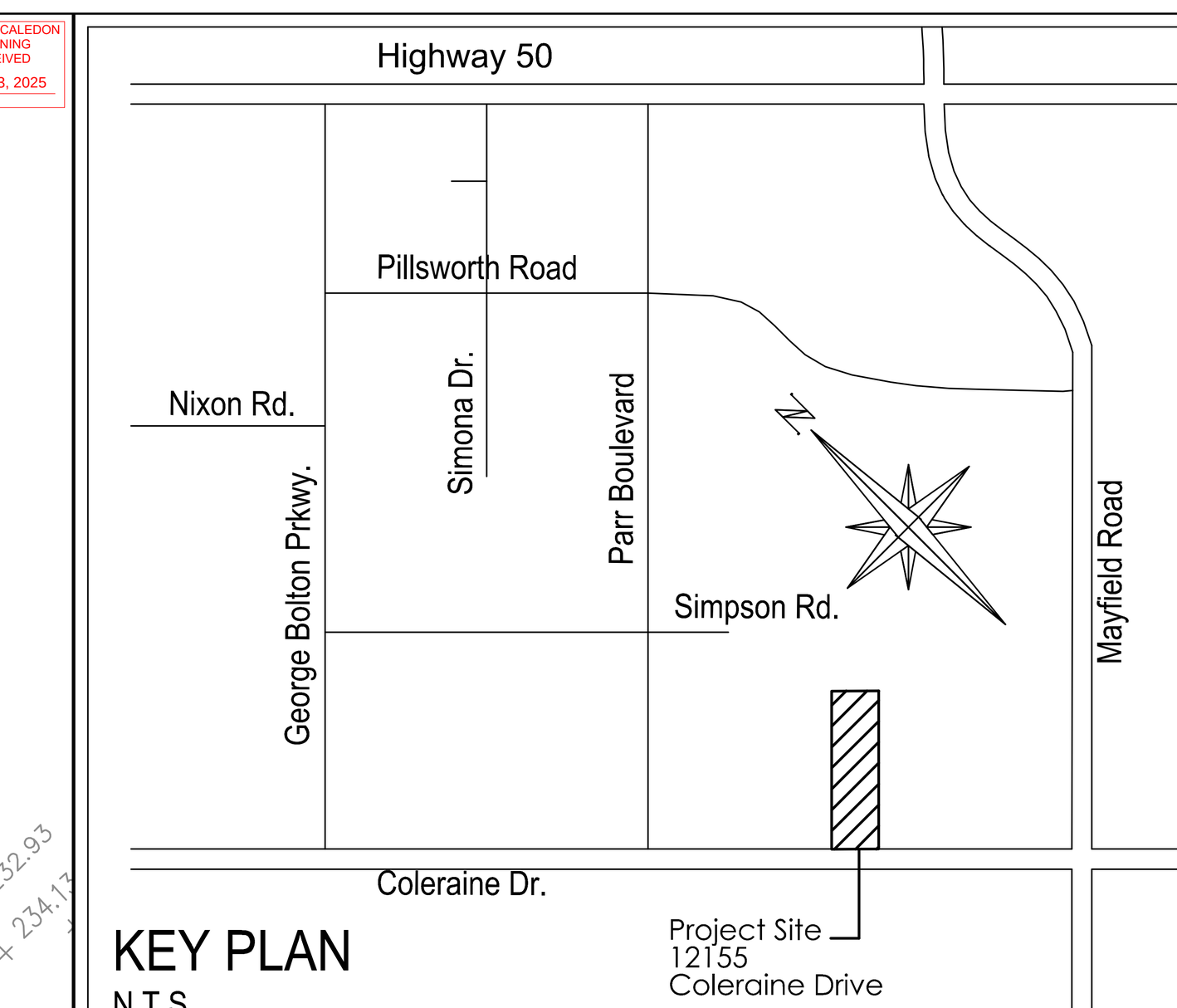




KEY PLAN
N.T.S.

LEGEND

233.00	PROPOSED FIN. GRADE
233.00	EXISTING GRADE
EX 233.00	PROPOSED TO MATCH EXISTING
TC 233.00	PROPOSED TOP OF CURB
SW 233.00	PROPOSED SWALE
TW 233.00	PROPOSED TOP OF WALL
BW 233.00	PROPOSED BOTTOM OF WALL
▽	OVERHEAD DOOR LOCATIONS
▼	MAN DOOR LOCATIONS
● M.H.	EXISTING SAN MANHOLE
○ M.H.	EXISTING STM MANHOLE
□ C.B	PROPOSED CATCH BASIN
C.B.M.H	PROPOSED CATCH BASIN MANHOLE
D.C.B.M.H	PROPOSED DOUBLE CATCH BASIN MANHOLE
● M.H. SAN	PROPOSED SANITARY MANHOLE
○ M.H. STM	PROPOSED STORM MANHOLE
	FIRE HYDRANT AND VALVE
V&B	VALVE AND BOX
	PONDING AREAS
➡	OVERLAND FLOW
▪▪▪▪▪▪	RETAINING WALL LOCATION

owner

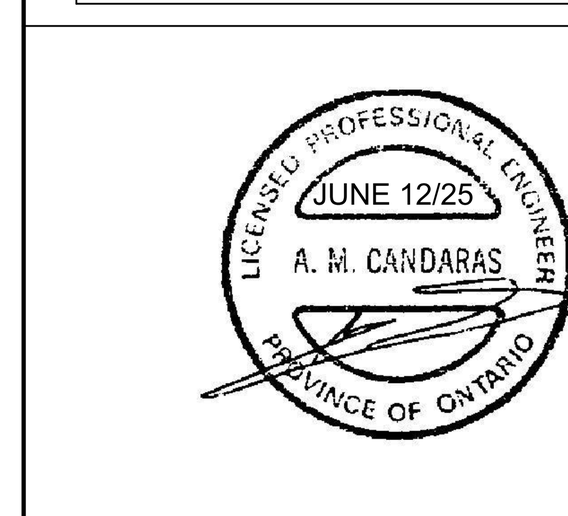
EVEREST TRANSPORTATION INC.
12155 Coleraine Drive
Bolton, Ontario, L7E 3B4

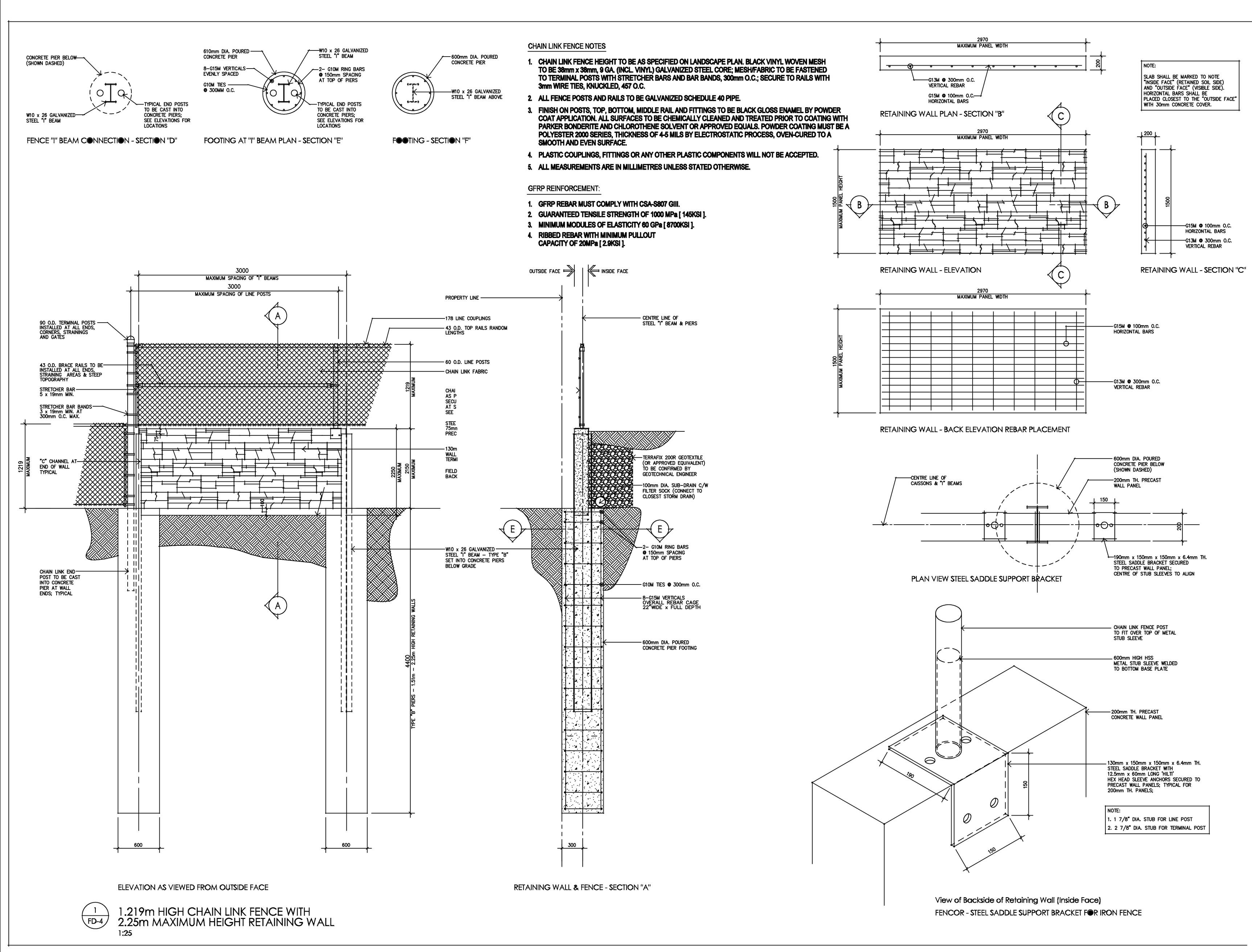
WHEELWRIGHT GROUP INC.
ENGINEERS AND CONTRACTORS

110 FENMAR DRIVE
TORONTO, ONTARIO, M9L 1M5
TEL : (416) 741-2630
FAX : (416) 741-9059

PAVEMENT STRUCTURE DESIGN DETAILS, SPECIFICATIONS AND SUBDRAINAGE DESIGN, IS NOT UNDER THE CIVIL DESIGN SCOPE. CONTRACTOR IS TO REFER TO GEOTECHNICAL REPORT RELATED SPECIFICATIONS. CONTRACTOR IS TO COORDINATE PAVEMENT MAKEUP AND SUBDRAINAGE INSPECTION WITH GEOTECHNICAL CONSULTANT.
A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY RELATING TO CONSTRUCTION AND INSPECTION OF THE PAVEMENT STRUCTURE.

CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND AND ABOVE UTILITIES AND SERVICES. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. VARIOUS UTILITIES CONCERNED TO BE GIVEN REQUIRED ADVANCED NOTICE PRIOR TO ANY DIGGING, FOR STAKE OUT.
A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

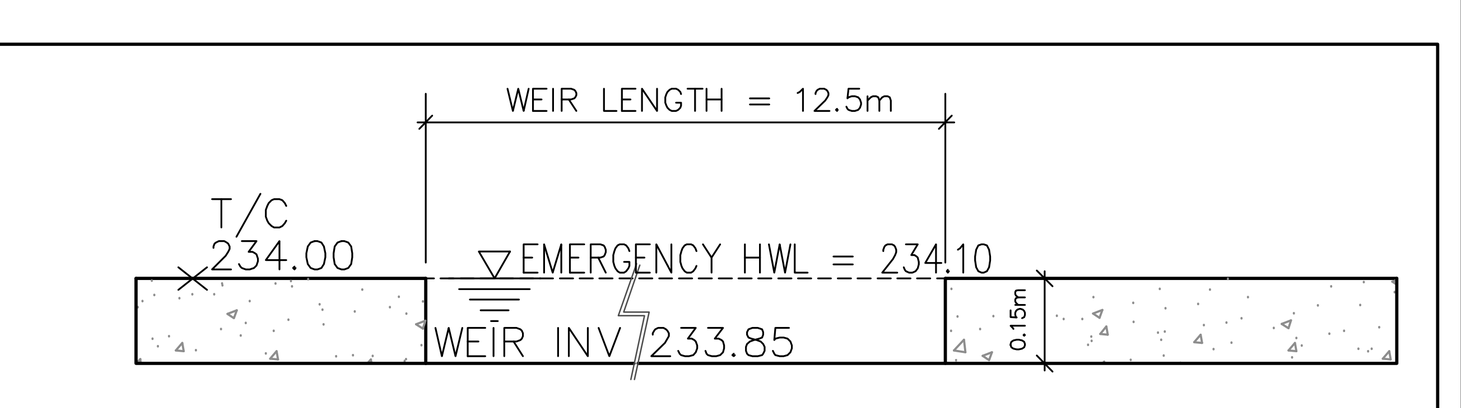




EMERGENCY OVERFLOW SPILLWAY DETAIL

$Q = CAIN$
$I_{100YR} = 196.54$ mm/hr
$A = 2.48$ ha
$Q_{100YR} = 0.90 \times 2.48 \times 196.54 \times 2.778$
$Q_{100YR} = 1.22\ m^3/s$

$Q_{100} = 1.22\ m^3/s$
$Q_{WEIR} = CLH^{3/2}$
$= (1.705)(12.5m)(0.15m)^{3/2}$
$= 1.24 m^3/s$



EMERGENCY OVERFLOW SPILLWAY DETAIL
SCALE: NTS

REGION OF PEEL NOTES:

1. All materials and construction methods must correspond to the current Peel Public Works standards and specifications.
2. Watermain and / or water service materials 100 mm (4") and larger must be DR 18 P.V.C. pipe manufactured to A.W.W.A. spec. C900-16 spec complete with tracer wire. Size 50 mm (2") and smaller must be Type 'K' soft copper pipe per A.S.T.M. B88-49 Specification.
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.

STRUCTURE SCHEDULE

STRUCTURE ID	SIZE	OPSD
DCBMH 7, MH 8, MH 11, MH 12, MH 13	1200mm DIA.	701.010
DCBMH 4, DCBMH 6, DCBMH 9, MH 10,	1500mm DIA.	701.011
DCBMH 5	1800mm DIA.	701.012
MH 3	2400mm DIA.	701.013
MH 2	OGS - STC EF08	N/A
MH 1	3000mm DIA.	701.014
HW 1	CONCRETE HEADWALL	804.030
CB 1, CB 4, CB 5, CB 6, CB 7, CB 8	600mm X 600mm	705.010
DCB 2, DCB 3	600mm X 1450mm	705.020

GEODETIC BENCHMARK

BENCHMARK NO. 00819758057
ELEVATION = 251.929 (DATUM CGVD 1928:1978)

RED BRICK BUILDING (ELLWOOD MEMORIAL PUBLIC SCHOOL) ON EAST SIDE OF HWY. 50, 0.8 KM SOUTH OF JCT OF HWY 50 AND KING ST. IN THE TOWN OF CALEDON (BOLTON), 55.2 M NORTH OF ELLWOOD DR. AND 104 M EAST OF CENTRELINE OF HWY 50. TABLET IS SET HORIZONTALLY IN WEST FACE OF CONCRETE FOUNDATION OF GYMSANIUM, 1.7 M NORTH OF S.W. CORNER AND 12 CM BELOW BRICKWORK.

Geodetic Benchmark information was taken from a digital file of Plan of Survey as prepared by Ashenhurst Nouwens & Associates Inc. O.L.S.

Town of Caledon General Notes –Site Plan Submissions

The following standard notes are to appear on the Site Grading and Servicing Plans for site plan submissions:

1. Construction for this project to comply with the most current version of the Development Standards, Policies and Guidelines, prepared by the Town of Caledon and the Ontario Provincial Standards and Specifications.

2. All construction shall be carried out in accordance with the requirements of the Occupational Health and Safety Act and Regulations for construction projects.

3. 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
905-584-2272

The Region of Peel Enbridge Consumers Gas
Hydro One Bell Canada
Rogers Cable Fire and Emergency Services

4. A Right of Way Occupancy permit must be obtained from the Town of Caledon a minimum 48 hours prior to commencing any works within the municipal road allowance.

5. All drainage to be self-contained and discharged to a location approved by the Town of Caledon and Conservation Authority prior to the issuance of a building permit.

6. Sediment control devices are to be installed prior to any construction on the site and shall be maintained throughout the construction period to the satisfaction of the Town and the applicable conservation authority.
7. Any changes to grades or servicing from the original approved site plan must be submitted by the Engineer to the Town for approval prior to construction.

8. A minimum of 1.5m clearance is to be provided from the limits of all sidewalks and driveways to existing utility structures within the municipal right of way. If this clearance is not maintained, they shall be relocated at the applicant's expense.

9. Street curbs are to be continuous through the proposed entrance.

10. Municipal sidewalks shall be continuous through all entrances to the site and the curb shall be tapered back 600mm. Sidewalks shall be completely removed and replaced with a 200mm minimum concrete thickness, 32MPa and 5% to 7% air entrainment at all proposed industrial, commercial and institutional entrances.

11. All boulevards to be restored with 300mm minimum of topsoil and sod to the satisfaction of the Town.

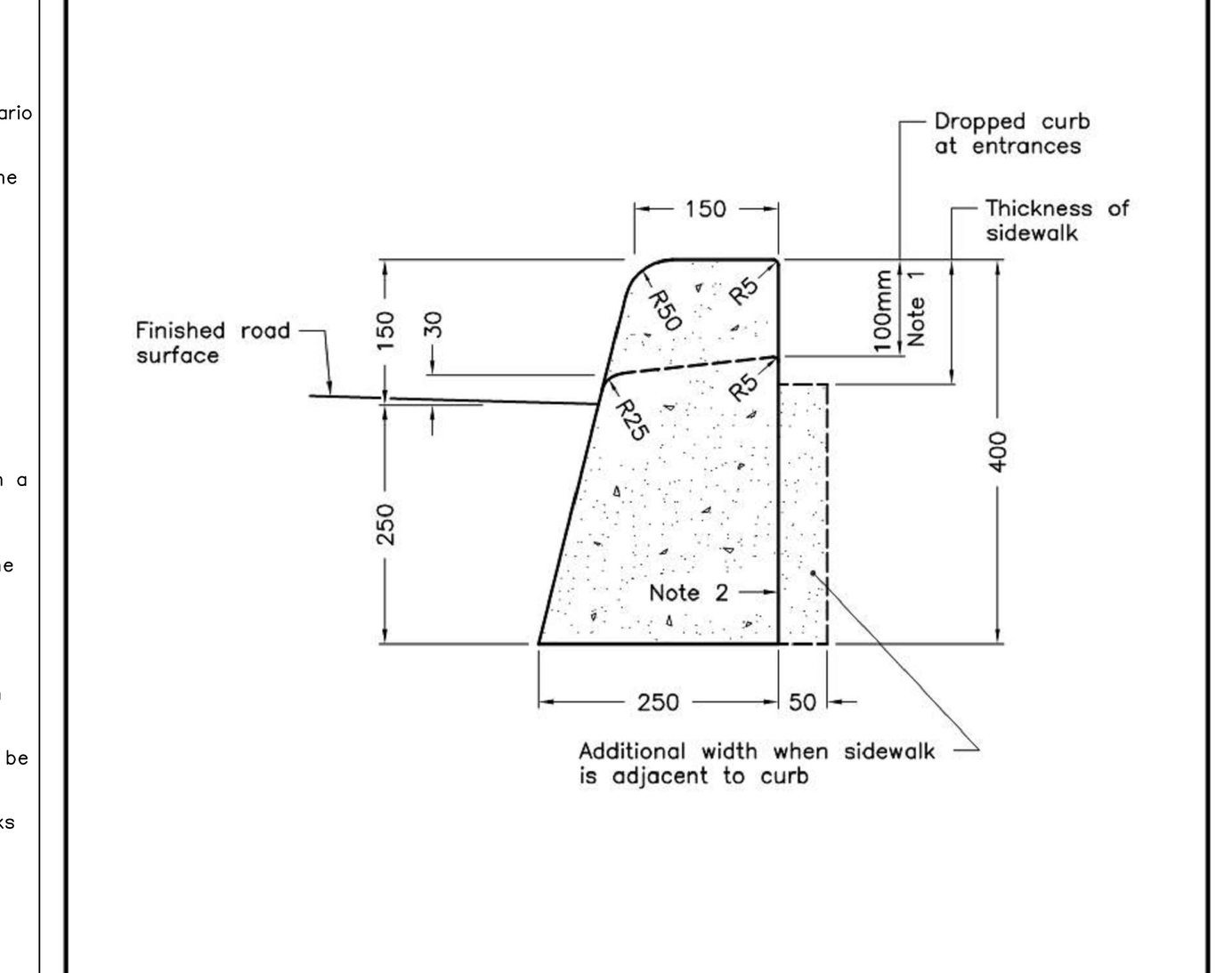
12. The minimum pavement design for the asphalt driveway apron within the municipal road allowance shall be as follows:

40mm HL3 Asphalt
50mm HL8 Asphalt
150mm Granular 'A'
300mm Granular 'B'

The consultant should review the above with respect to the expected usage.

13. Structural design of the fire route is required to support an 18 ton vehicle.

14. Service Connection Backfill to be discussed with the Town.



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.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2
CONCRETE BARRIER CURB		OPSD 600.110

No.	Date	By	REVISIONS
2	JUNE 12, 25	R.P.A.	SITE PLAN APPROVAL – 2nd SUBMISSION
1	OCT 16, 24	R.P.A.	ISSUED FOR REVIEW

a.m.candaras associates inc.
consulting engineers
8551 Weston rd., suite 203
Woodbridge ont. L4L 9R4
905-850-8020 Fax 905-850-8099
Email: civil@amcai.com

12155 COLERAINE DRIVE
PROPOSED INDUSTRIAL BUILDING

TOWN OF CALEDON
REGION OF PEEL

SITE GRADING & STORMWATER MANAGEMENT PLAN

SCALE: 1:400	DATE: OCT 2024	PROJ No. 2417
DRAWN: R.P.A.	CHK'D: A.M.C.	PLAN No. G-1
DESIGNED: A.M.C.	SHEET 1 OF 1	

TOWN OF CALEDON PLANNING RECEIVED June 13, 2025

FILENAME: O:\2417\2417 - G1.dwg
PLOTDATE: Jun 12, 2025 - 3:57pm
PLOTTED BY: ryan