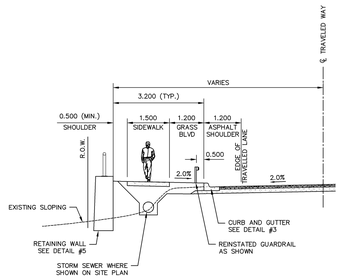
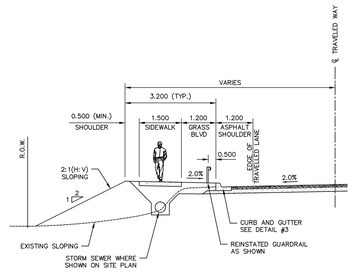
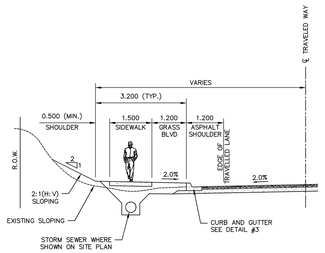


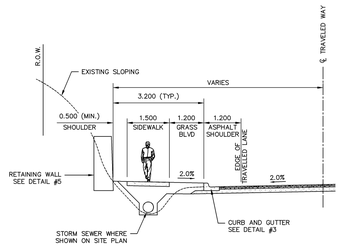
SECTION A–A
TYPICAL CROSS SECTION
NOT TO SCALE



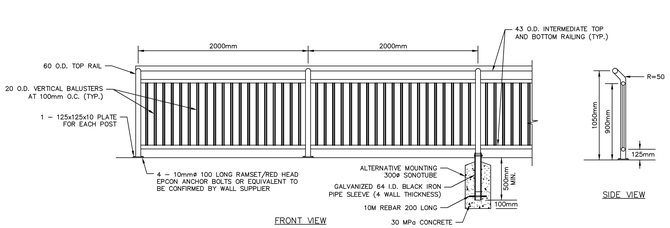
SECTION B–B
TYPICAL CROSS SECTION
NOT TO SCALE



SECTION C–C
TYPICAL CROSS SECTION
NOT TO SCALE

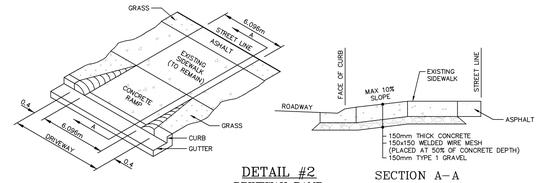


SECTION D–D
TYPICAL CROSS SECTION
NOT TO SCALE



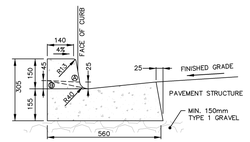
DETAIL #1
TYPICAL HAND RAIL
NOT TO SCALE

NOTE:
RAILING SYSTEM TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. FIELD WELDS, IF NECESSARY SHALL BE PROTECTED WITH COLD GALVANIZING



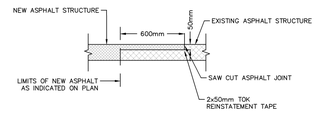
DETAIL #2
DRIVEWAY RAMP
NOT TO SCALE

SECTION A–A

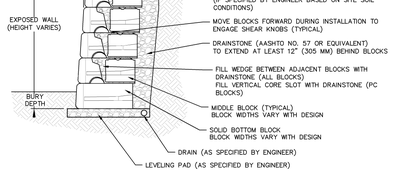


DETAIL #3
TYPICAL CURB & GUTTER
NOT TO SCALE

NOTES:
1. DASHED LINE "A" INDICATES CURB AT DRIVEWAYS.
2. DASHED LINE "B" INDICATES CURB AT PEDESTRIAN RAMPS.
3. TRANSITION TAPERS SHALL BE PROVIDED AT DRIVEWAYS AND PEDESTRIAN RAMPS AS PER THE "PEDESTRIAN RAMP ALIGNMENT" DETAIL AND "DRIVEWAY RAMP" DETAIL.

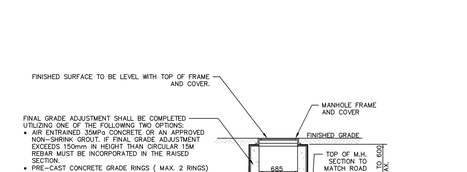


DETAIL #4
ASPHALT BLEND DETAIL
NOT TO SCALE



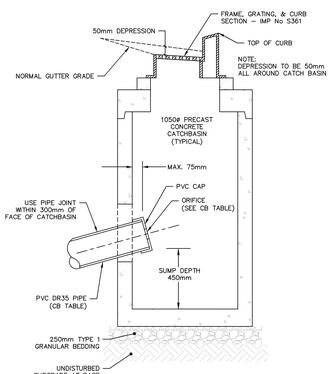
DETAIL #5
TYPICAL GRAVITY WALL
NOT TO SCALE

NOTES:
1. DETAILED WALL DESIGN TO BE COMPLETED BY WALL DESIGNER LICENSED TO PRACTICE IN NOVA SCOTIA.



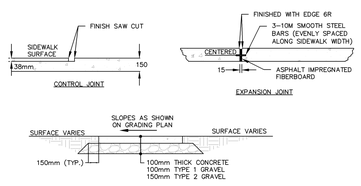
DETAIL #9
PRECAST FLAT TOP MANHOLE
NOT TO SCALE

NOTES:
1. PRECAST SECTIONS SHALL CONFORM TO SECTION 33-39-00 OF THE NOVA SCOTIA STANDARD SPECIFICATIONS FOR MUNICIPAL SERVICES
2. CHANNELS IN DEAD END MANHOLES TO FINISH 225 mm FROM UPSTREAM WALL.
3. LIFT HOLES IN PRECAST SECTIONS TO BE GROUTED WITH CEMENT MORTAR PRIOR TO PLACING WATERPROOF MEMBRANE AND GRANULAR BACKFILL.
4. PRECAST ECCENTRIC CONE SECTIONS ARE NOT PERMITTED
5. BACKFILL AROUND MANHOLES SHALL BE TYPE 2 GRAVEL EXTENDING A MIN. OF 300mm OUTWARD FROM MANHOLE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS
6. "A-LOK" OR APPROVED "O" RING GASKETS SHALL BE THOROUGHLY CLEANED, THEN COVERED GENEROUSLY WITH LUBRICANT SPECIFIED BY THE PIPE MANUFACTURER.
7. FOR MINIMUM ALLOWABLE DEFLECTION ANGLES REFER TO HWRC HWSD -1450



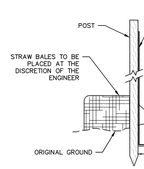
DETAIL #6
TYPICAL CATCH BASIN
NOT TO SCALE

NOTE:
1. TO BE INSTALLED IN ACCORDANCE WITH NSTIR SPECIFICATIONS.
2. COVER ELEVATION INCLUDES 50mm DEPRESSION ON CATCHBASIN



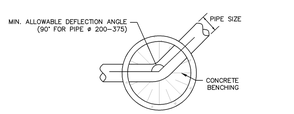
DETAIL #7
SIDEWALK CROSS SECTION
NOT TO SCALE

NOTES:
1. EXPANSION JOINTS TO BE SPACED EVERY 50m.
2. CONTROL JOINTS TO BE SPACED EVERY 1.5m.
3. GRAVEL BASE TO EXTEND 150mm BEYOND EDGE OF SIDEWALK CONCRETE.
4. CONTROL JOINTS TO BE SAW CUT.
5. EXPANSION JOINT BARS ARE TO BE GREASED ON ONE SIDE OF THE JOINT.
6. DURING CONSECUTIVE POURS, THE END OF EACH POUR IS TO OCCUR AT AN EXPANSION JOINT.
7. AT DRIVEWAY ENTRANCES SIDEWALK THICKNESS SHALL BE INCREASED TO 150mm CONCRETE C/W 150x150 WELDED WIRE MESH SHALL BE PLACED @ 50% OF CONCRETE DEPTH



DETAIL #8
SILT FENCE
NOT TO SCALE

NOTES:
1. EXCAVATE A 100X100 TRENCH IN A CRESCENT SHAPE ACROSS THE FLOW PATH, WITH ENDS POINTING UPSLOPE.
2. SET WOOD STAKES SUPPLIED BY MANUFACTURER, DRIVE STAKES SECURELY INTO GROUND 900MM APART ALONG THE DOWNSLOPE SIDE OF THE TRENCH.
3. STAPLE FILTER FABRIC TO THE UPSTREAM SIDE OF THE STAKES, EXTENDING THE BOTTOM 200mm INTO THE TRENCH.
4. FILTER FABRIC SHOULD NOT EXCEED 900mm IN HEIGHT.
5. BACKFILL AND COMPACT THE SOIL IN THE TRENCH OVER THE FILTER FABRIC AND VEGETATE SOIL IMMEDIATELY.

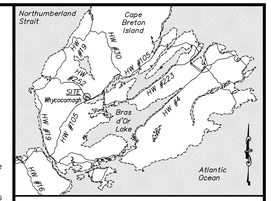


ADDITIONAL GENERAL NOTES:

12. The contractor shall coordinate with all utility providers for the duration of the work and prior to connecting to or working near their infrastructure. This includes but is not limited to:
    a) Municipal Water Utility
    b) Nova Scotia Power Inc.
    c) Bell Aliant / Eastlink
    d) NS Transporation and Infrastructure Renewal
    e) County of Inverness
13. Unless otherwise noted, the Contractor shall obtain and pay for the following permits and fees. Copies of the permit(s) shall be supplied to the owner in advance of the associated work taking place.
    a. Blasting permits
    b. Work within the Right of Way permit fees & deposits
14. The contractor shall provide as–built information in digital format for all subsurface utilities supplied and installed by the contractor.

SEDIMENTATION & EROSION CONTROL NOTES

1. All work shall be in accordance with the latest revision of the Nova Scotia Department of the Environment's Erosion and Sedimentation Control Handbook for Construction Sites.
2. The contractor must prepare their own Erosion & Sedimentation Control (ESC) plan (including a contingency plan for failure of ESC measures) for approval by the consultant prior to construction. A marked up copy of the drawings will be acceptable. Measures shown on this plan should be considered a suggestion only.
3. The ESC plan shall be updated continuously as conditions change or as requested by the consultant.
4. No clearing or construction will occur within the protective green belts/protected sensitive areas.
5. Before grubbing commences, clearing limits, easements, setbacks, sensitive/critical areas and their buffers, trees and drainage courses shall be delineated with flagging tape and enviro–fences. This ensures workers can clearly recognize areas to be protected. Grubbing material to be disposed of at a location approved by the owner.
6. All erosion control measures shall be confirmed on site prior to construction and shall subject to review of the consultant. The consultant may advise if any alterations or additional measures are required above and beyond those indicated on this drawing.
7. The amount of exposed soil areas in the development must remain at a minimum at all times using wood chips or straw on the exposed areas.
8. A crushed rock construction entrance shall be established to prevent tracking of mud offsite. The gravel entrance shall be 15.2m long by a minimum of 6m wide and shall consist of a minimum of 200mm layer of "clean pit run or type 2 gravel".
9. Install silt bags in all existing nearby catchbasins during construction as well as new catchbasins as early as possible.
10. The installation of silt fence shall be reviewed by consultant in accordance with the plan. Filter fabric shall be Terrafix 370 RS or equivalent.
11. Silt accumulation along silt fences and swales shall be removed regularly.
12. All water pumped from ditches, swales or sumps shall be filtered through a sediment trap, 2 m3 (3 yd3) of class 'B' gravel, filter bag, or undisturbed vegetation to filter out solid material.
13. Contractor shall monitor meteorological conditions and forecasts as a proactive means to minimize the potential for erosion.
14. The effectiveness of the control measures shall be inspected and monitored during rain events and maintained and upgraded as necessary or as directed by the consultant or environmental inspectors.
15. The contractor and consultant shall incorporate a routine end–of–day check to ensure the integrity of the protection measures.
16. The contractor shall maintain emergency erosion control materials onsite.
17. Machinery maintenance shall not be performed in or near a watercourse, ditch or storm sewer. Some examples of maintenance include, but are not limited to, washing out cement mixers, changing oil, greasing, spray painting, cleaning of spraying equipment or painting equipment, etc.
18. Any hazardous liquid including fuel and lubricants shall be stored in a designated area surrounded by an impervious berm which would contain a spill of the volume of all stored liquid.
19. Any spillage of a hazardous material into any watercourse must be reported to Nova Scotia Environment.
20. The contractor is responsible for dust control on site. Dust must be prevented through application o exposed dry soils to prevent dust from being generated and blown from the site to adjacent areas.
21. Temporary sediment and erosion control measures shall remain in place for the duration of the project and removed once approved by the consultant.
22. Contractor must have a person on site daily who has successfully completed the Erosion and Sediment Control (ESC) course provided by NSTIR, NS Environment, Fisheries and Oceans Canada (DFO), and Dalhousie University. The person should be able to show their "Green Card" on demand.
23. Contractor to install and maintain diversion ditches around (and through) the site as necessary to "keep clean water clean".



Key Plan NOT TO SCALE

LEGEND

- SANITARY M.H. & SEWER
- STORM M.H. & SEWER
- HYDRANT
- GATE VALVE & WATERMAIN
- CATCHBASIN (CURB & FLAT)
- LATERALS: SAN. STM. & WM.
- U/G ELEC. LINES (COMMS. & POWER)
- STREET TREE
- POWER POLE
- POWER POLE WITH LIGHT FIXTURE
- ANCHOR ON LIGHT POLE
- ALIANT FLUSH BOX
- N.S.P.I. URD BOX
- CONCRETE CURB & GUTTER
- SIDEWALK (CONC. & ASPHALT)
- DRIVEWAY
- PEDESTRIAN RAMP
- PROPERTY LINE
- EXISTING PROPERTY LINE

GENERAL NOTES:

1. Elevations are Geodetic: NAD83 (CSRS) 2010.0 V6 – MTM Zone 4, and refer to Nova Scotia Co–ordinate Monument System. NSCM #214296 N=5092784.480 E=24528757.629 Elev.= 17.301m.
2. All work shall be in accordance with the latest edition of Nova Scotia Transportation and Infrastructure Renewal Design & Construction Standards as well as the Standard Specifications for Municipal Servicing (Blue Book) published be Nova Scotia Road Builders Association.
3. All temporary traffic control measures are the responsibility of the contractor and shall be in accordance with Nova Scotia Temporary Workplace Traffic Control Manual.
4. All tree clearing shall be by the Owner. Any additional tree clearing required for the work shall be coordinated with the owner.
5. All locations and widths of driveways and of entrance walks from edge of asphalt are to be confirmed in the field by the Engineer.
6. The grades of pavements, where they join onto existing works, are to be confirmed in the field, by the Engineer.
7. Information shown as to existing works is approximate only. The contractor shall be responsible for locating existing underground infrastructure (ie. Telephone, cable, fibre optic, power lines, gas, etc.) before proceeding with work.
8. For street and layout control survey markers, the Contractor is to check with Strum Consulting. Do not disturb existing survey markers or services in the area. Reinstate and make good any damage or disturbance at contractor's cost.
9. Do not encroach on adjacent property. Make good any damage to adjacent properties at contractor's expense.
10. Areas within R.O.W. not concrete, asphalt or gravel surfaced, shall be sodded c/w 150mm topsoil. All roadway and rear yard cut slopes are to be finished with 100mm topsoil and hydroseed/hay mulch and all other areas shall be surfaced as indicated on the grading plan.
11. The Contractor shall submit sign & sealed retaining wall shop drawings prepared by an Engineer Licensed to practice in Nova Scotia for review and approval prior to ordering materials.

No	Description	Date	By
0.	Issued for Review	XXX XX, 2020	RM

Revision or Issue

Strum CONSULTING

Project
TRANS–CANADA HIGHWAY / MAIN STREET SIDEWALK
WHYCOCOMAGH, NOVA SCOTIA

Drawing
CONSTRUCTION NOTES & DETAILS

Scale AS NOTED

DRAFT NOT FOR CONSTRUCTION PRINTED: Apr 28, 20

Date	Drawn
XXXX–XX–XX	MMH
Design: RM	Check: ACD	Approv.: RM
Project No. 20–7334	Sheet 2 Of 2
Drawing No. S02	Rev. 0