

PART 1 - GENERAL

- 1.1 RELATED REQUIREMENTS .1 Section 31 23 33.01 - Excavating, Trenching and Backfilling.
- 1.2 REFERENCES .1 ASTM International
.1 ASTM A 123/A 123M-09, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- .2 Canada Green Building Council (CaGBC)
.1 LEED Canada-NC-2009 , LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package For New Construction and Major Renovations.
- .3 CSA International
.1 CSA G40.20/G40.21-04 (R2009), General Requirements for Rolled or Welded Structural Quality Steel/Structural Quality Steel.
- .4 Newfoundland and Labrador Department of Municipal Affairs:
.1 Municipal Water, Sewer and Roads Master Construction Specifications, latest revision.
- 1.3 ACTION AND INFORMATIONAL SUBMITTALS .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
.1 Submit manufacturer's instructions, printed product literature and data sheets for geotextiles and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Samples:
.1 Submit following samples 4 weeks prior to beginning Work.
.1 Minimum length of 2 m of roll width of geotextile.
.2 Methods of joining.

PART 2 - PRODUCTS

- 2.1 MATERIAL .1 Geotextile: in accordance with Section 02897
- Geotextile of the Newfoundland and Labrador
Municipal Water, Sewer and Roads Master
Construction Specifications.
.1 Class 1 for silt fence.
.2 Class II for all other applications.
- .2 Securing pins and washers: to CSA G40.21,
Grade 300W, hot-dipped galvanized with minimum
zinc coating of 600 g/m² to ASTM A 123/A 123M.
- .3 Factory seams: sewn in accordance with
manufacturer's recommendations.
- .4 Thread for sewn seams: equal or better
resistance to chemical and biological
degradation than geotextile.

PART 3 - EXECUTION

- 3.1 EXAMINATION .1 Verification of Conditions: verify that
conditions of substrate previously installed
under other Sections or Contracts are
acceptable for geotextile material
installation in accordance with manufacturer's
written instructions.
.1 Visually inspect substrate in presence
of Departmental Representative.
.2 Inform Departmental Representative of
unacceptable conditions immediately upon
discovery.
.3 Proceed with installation only after
unacceptable conditions have been remedied and
after receipt of written approval to proceed
from Departmental Representative.
- 3.2 INSTALLATION .1 Place geotextile material by unrolling onto
graded surface in orientation, manner and
locations indicated and retain in position
with pins.
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- 3.2 INSTALLATION (Cont'd)
- .2 Place geotextile material smooth and free of tension stress, folds, wrinkles and creases.
 - .3 Place geotextile material on sloping surfaces in one continuous length from toe of slope to upper extent of geotextile.
 - .4 Overlap each successive strip of geotextile 600 mm over previously laid strip.
 - .5 Join successive strips of geotextile by sewing.
 - .6 Pin successive strips of geotextile with securing pins at 300 mm interval at mid point of lap as indicated.
 - .7 Protect installed geotextile material from displacement, damage or deterioration before, during and after placement of material layers.
 - .8 After installation, cover with overlying layer within 4 hours of placement.
 - .9 Replace damaged or deteriorated geotextile to approval of Departmental Representative.
 - .10 Place and compact soil layers in accordance with Section 31 23 33.01 - Excavating, Trenching and Backfilling.
- 3.3 CLEANING
- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
 - .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
 - .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition
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- 3.3 CLEANING .3 Waste Management: (Cont'd)
(Cont'd) Waste Management and Disposal and Section
01 35 21 - LEED Requirements.
.1 Remove recycling containers and bins
from site and dispose of materials at
appropriate facility.
- 3.4 PROTECTION .1 Vehicular traffic not permitted directly on
geotextile.