

LEGEND
◆ - BOREHOLE LOCATION

SCALE : 1:500



Englobe Soils Materials Environment
PROPOSED WHARF DEVELOPMENT MARGAREE HARBOUR, NOVA SCOTIA
BOREHOLE LOCATION PLAN
 DATE: JUL 28, 2016 | DRAWN BY: GG | CHECKED BY: RH | SCALE: 1:500 | PROJECT NO: B-0015306 | FIGURE: 1



SYMBOLS AND TERMS USED ON THE BOREHOLE AND TEST PIT RECORDS

SOIL DESCRIPTION

Behavioural properties (i.e. plasticity, permeability) take precedence over particle gradation in describing soils.

Terminology describing soil structure:

- Desiccated** - having visible signs of weathering by oxidation of clay minerals, shrinkage cracks etc.
- Fissured** - having cracks, and hence a blocky structure
- Varved** - composed of regular alternating layers of silt and clay
- Stratified** - composed of alternating layers or different soil types, e.g. silt and sand or silt and clay
- Well Graded** - having wide range in grain sizes and substantial amounts of all intermediate particle sizes
- Uniformly Graded** - predominantly of one grain size.

Terminology used for describing soil strata based upon the proportion of individual particle size present:

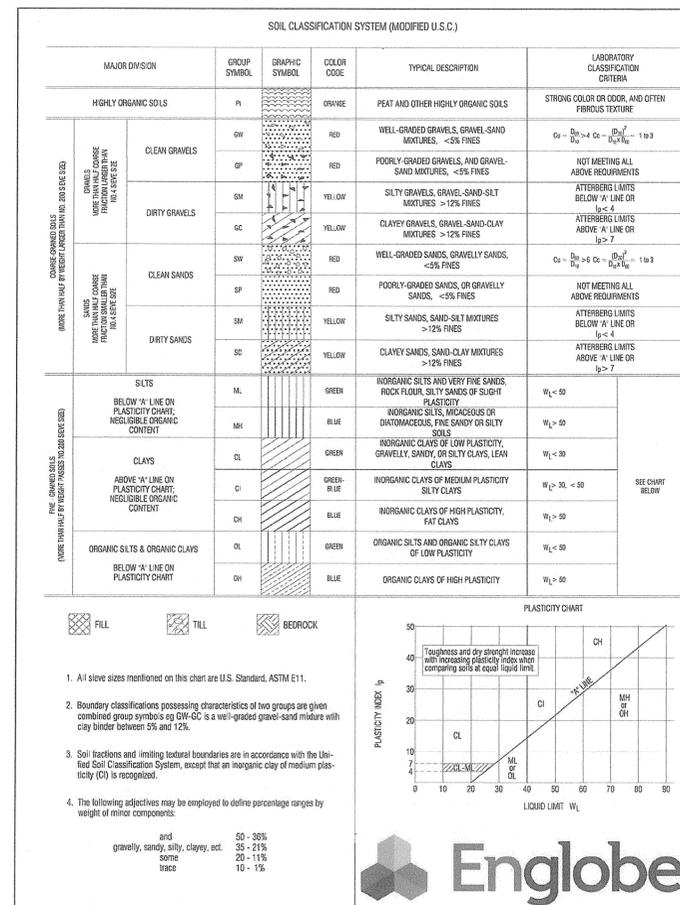
| | |
|---------------------------------|---------------|
| Trace, or occasional | Less than 10% |
| Some | 10-20% |
| Adjective (e.g. silty or sandy) | 20-35% |
| And (e.g. silt and sand) | 35-50% |

The standard terminology to describe cohesionless soils includes the relative density, as determined by laboratory test or by the Standard Penetration Test 'N' - value: the number of blows of 140 pound (64 kg) hammer falling 30 inches (760 mm), required to drive a 2 inch (50.8 mm) O.D. split spoon sampler one foot (305 mm) into the soil.

| Relative Density | 'N' Value | Relative Density % |
|------------------|-----------|--------------------|
| Very loose | <4 | <15 |
| Loose | 4-10 | 15-35 |
| Compact | 10-30 | 35-65 |
| Dense | 30-50 | 65-85 |
| Very Dense | >50 | >85 |

The standard terminology to describe cohesive soils includes the consistency, which is based on undrained shear strength as measured by insitu vane tests, penetrometer tests, unconfined compression test, or occasionally by standard penetration tests.

| Consistency | Undrained Shear Strength | | 'N' Value |
|-------------|--------------------------|---------|-----------|
| | Kips/sq. ft. | kPa | |
| Very Soft | <0.25 | <12.5 | <2 |
| Soft | 0.25-0.5 | 12.5-25 | 2-4 |
| Firm | 0.5-1.0 | 25-50 | 4-8 |
| Stiff | 1.0-2.0 | 50-100 | 8-15 |
| Very Stiff | 2.0-4.0 | 100-200 | 15-30 |
| Hard | >4.0 | >200 | >30 |



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|-----------|-------------------|----------|
| 0 | ISSUED FOR TENDER | 17/06/09 |
| revisions | | date |

project WHARF RECONSTRUCTION

MARGAREE HARBOUR
INVERNESS COUNTY, NS

drawing BOREHOLE LAYOUT AND LEGENDS

designed W. ENMAN

date JUNE 2017

drawn D. BEAMAN

date JUNE 2017

approved [Signature]

Tender [Signature] Submission

PWSC Project Manager - Administrateur de projets TPSCG

project number R.076164.001

drawing no. S10 of 13

