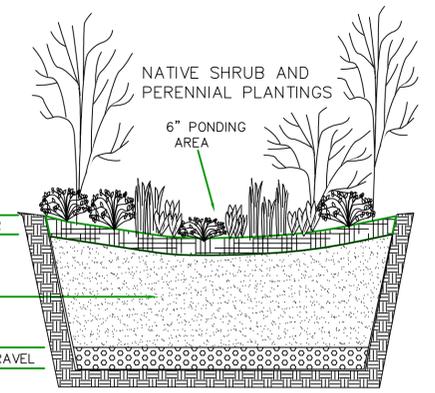


Examples of Suitable Rain Garden Plants  
Plants must be native species

- |  |  |
|--|--|
| <b>Shrubs</b><br>Aronia species<br>Clethra alnifolia<br>Cornus amomum<br>Ilex verticillata<br>Liriodendron<br>Lyonia<br>Vaccinium corymbosum | <b>Perennials / Groundcovers</b><br>Prunella<br>Caltha palustris<br>Asclepias incarnata<br>Onoclea sensibilis<br>Iris versicolor<br>Iris cristata<br>Lobelia cardinalis<br>Lobelia siphilitica<br>Eupatorium rugosum |
|--|--|



RAIN GARDEN TO MEET SURROUNDING GRADE AS SHOWN ON PLAN

**SOIL FILTER BED:**

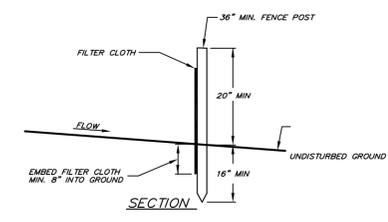
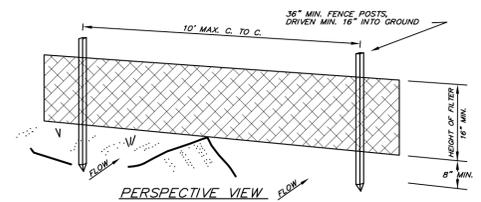
- 20-30% (BY VOLUME) OF MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH, WITH FINES LESS THAN 5% PASSING #200 SIEVE;
- 70-80% LOAMY COARSE SAND (85-100% PASSING #10 SIEVE, 70-100% PASSING #20 SIEVE, 15-40% PASSING #60 SIEVE, 8-15% PASSING #200 SIEVE)

**RAIN GARDEN DETAIL**

~ NOT TO SCALE ~

**GENERAL SITE LEGEND**

- SURVEY HUB
- TREES
- PROPOSED STONE BERM FOR EROSION CONTROL
- PROPOSED STONE HEADWALL
- EXISTING GRADE CONTOUR
- FINISH CONTOUR
- FINISH GRADE, SPOT ELEV.
- PROPOSED SILT FENCE
- EDGE OF JURISDICTIONAL WETLAND
- PROPOSED GRASS DIVERSION SWALE
- PROPOSED LIMITS OF WETLAND DISTURBANCE
- PROPOSED LIMITS OF TEMPORARY WETLAND DISTURBANCE
- PROPOSED UTILITY POLE
- PROPOSED BURIED UTILITIES



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:**
- FILTER CLOTH TO BE FASTENED SECURELY TO FENCE POST WITH TIES AT TOP, MID SECTION AND BOTTOM.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED STAPLED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT "BULGES" IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.
- MAINTENANCE REQUIREMENTS:**
- FILTER CLOTH TO BE IMMEDIATELY REPAIRED AFTER EACH RAINFALL AND DAILY DURING PROLONGED RAINFALL. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.
  - IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
  - SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
  - SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

**SILT FENCE DETAIL**

(NOT TO SCALE)

PROPERTY	IMPERVIOUS AREAS		OUTSIDE OF BUFFER	
	EXISTING AREA ~SF~	PROPOSED AREA ~SF~	EXISTING AREA ~SF~	PROPOSED AREA ~SF~
CARR ROAD DRIVEWAY	710	715	0	0
MILLER ROAD DRIVEWAY	1555	895	0	540
	985	2845	0	70

**SHADING LEGEND**

- NH JURISDICTIONAL WETLANDS
- LIMITS OF PIKE BROOK ROAD TO BE RE-ALIGNED

**GENERAL NOTES:**

- The intent of this plan is to:
  - show the construction and permitting details proposed for a road crossing a jurisdictional wetland; and
  - show details of work proposed within a 100-ft wetland buffer per New London Wetland Overlay District
- Wetland delineation performed by Jon Sisson, CWS, Beavertracks, LLC. Boundary and topographic surveying performed by Clayton Platt, L.L.S. Pennyroyal Hill Land Surveying.
- Erosion control practices shall be installed and maintained in accordance with BEST MANAGEMENT PRACTICES as outlined in the "NH Stormwater Manual, Volume 3: Erosion and Sediment Controls during Construction" dated December, 2008; and with details provided on this plan.
- Silt fence and any other erosion and sediment control measures shall be installed as shown on the plan. It shall be left in place and maintained as necessary until the site is fully stabilized. It is the contractor's responsibility to inspect these measures periodically until the area above is stabilized, whether the contractor is actively working on-site or not, and always after any rainstorm of 1/2" or greater.
- Disturbed slopes along the proposed road, not otherwise noted on the plan shall be stabilized with 8" min. screened loam and immediately seeded with the seed mix specified on the Restoration Plan.
- Contractor is responsible for notifying DIG-SAFE prior to starting construction.
- Contractor shall locate existing septic system pumpline and take all measures needed to protect integrity of pumpline and maintain it in good working order. Any damage to pumpline shall be immediately repaired by the contractor at the contractor's expense.
- Replace existing 12" culvert with a new 15" culvert that is at least 5-ft shorter on the inlet end. Use organic material set aside from wetland beneath the road to stabilize the new inlet area.

**GENERAL NOTES, CONT.:**

- Contractor shall monitor weather and take any necessary temporary measures needed to prevent erosion and sediment transport. These measures can be such practices as stone berms (use 3/4" clean crushed stone) or diversions constructed for overnight or over the weekend if rain is forecast.
- Pike Brook Road is proposed to be re-aligned as shown (STA 6+01 to STA 9+58). The section of road abandoned by this re-alignment shall be restored. See plan(s) by Pelletieri Associates, Inc., Warner, NH, for all restoration details.
- New pole locations will follow the east side of the road, with final locations specified by Eversource. If the utilities are buried they will follow the same general alignment, starting at the existing pole near STA 10+15.
- CONSTRUCTION SEQUENCE:**
  - The work shown herein shall be performed during low flows to the greatest extent feasible.
  - Cut trees located within proposed work area
  - Install silt fence as shown on plan.
  - Remove old culvert and replace new 15" HDPE culvert as shown.
  - Remove organic layer from wetland area and set aside. Install road culvert in location shown on plan.
  - Install stone headwalls and granular fill up to level of gravel base material.
  - Construct road across culvert and bring all slopes to finish grades as shown on plan.
  - Complete road construction per road specifications
  - Restore wetland areas at inlet and outlet of road culvert using organic material previously set aside.
  - Final stabilization of all slopes.

KEY TO DISTURBED JURISDICTIONAL AREAS		
KEY	DISTURBED AREA	DESCRIPTION
W1	65 SF	TEMPORARY WETLAND DISTURBANCE
W2	525 SF	PERMANENT WETLAND DISTURBANCE
W3	85 SF	TEMPORARY WETLAND DISTURBANCE

CULVERT DATA	
CULVERT	DESCRIPTION
C1	PROPOSED 15" HDPE; L=30'; s=±1.0% INV IN = ±1096.3 INV OUT = ±1096.0
C2	EXISTING 12" CMP; L=72'; s=±1.0% INV IN = ±1096.7 INV OUT = ±1094.8
C3	PROPOSED 15" HDPE; L=67'; s=±1.5% INV IN = ±1095.8 INV OUT = ±1094.8

**PROPOSED DRAINAGE & EROSION CONTROL PLAN**  
 ~PIKE BROOK ROAD RE-ALIGNMENT~  
 PREPARED FOR PROPERTY LOCATED AT  
**TAX MAP 135 ~ LOTS 10 & 11**  
**and TAX MAP 136 ~ LOT 7**  
 PIKE BROOK ROAD  
 NEW LONDON, NEW HAMPSHIRE  
 JUNE, 2016

**BLAKEMAN ENGINEERING, INC.**  
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