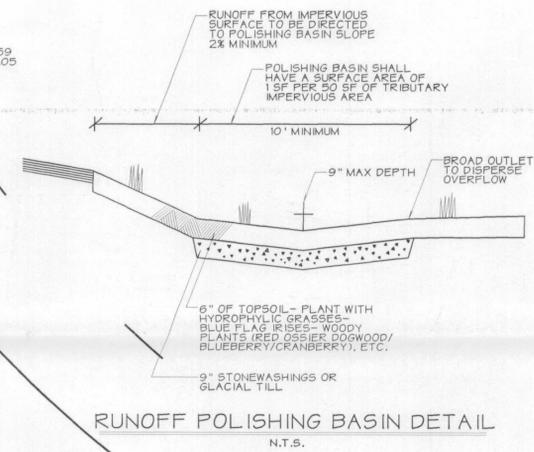
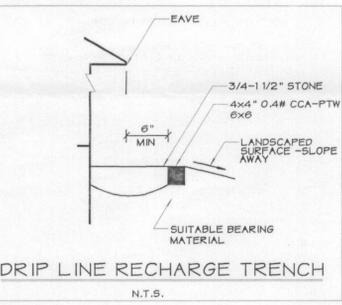
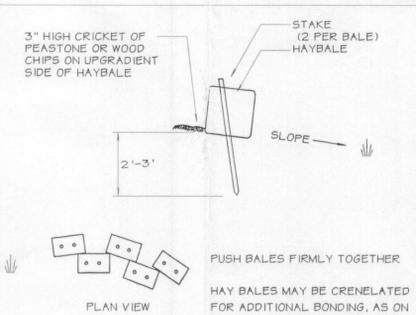
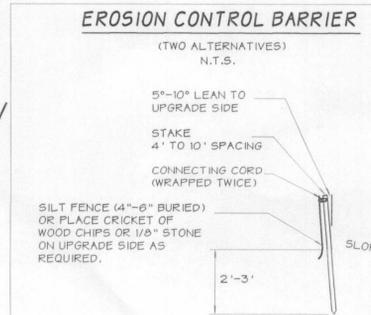


- NOTES**
- HEDGE SHALL BE LOCATED AS SHOWN ON A PLAN WITH LOCATION BEING ADJUSTED TO PROTECT EXISTING VEGETATION AND MAXIMIZE OFFSET FROM RESOURCE AREAS.
 - CONSTRUCTION/PLANTINGS SHALL BE SCHEDULED TO MINIMIZE PERIOD IN WHICH SURFACES ARE UNSUITABLE AND TO OPTIMIZE PLANT GROWTH.
 - THE BERM SHALL BE PLANTED WITH THREE OR MORE OF THE FOLLOWING SPECIES TO RESULT IN AN AVERAGE PLANT SPACING OF 3'.
 - A. HIGH BUSH BLUEBERRY (2 SPECIES - REQ'D)
 - B. AMERICAN CRANBERRY BUSH
 - C. WINTER BERRY HOLLY
 - D. RED OSSIER DOGWOOD
 - E. NORTHERN ARROW WOOD
 - F. STAGHORN SUMAC
 - G. SPECKLED ALDER
 - SUPPLEMENTAL PLANTINGS SHALL BE MADE 10' EITHER SIDE OF LOW POINTS AND CONSIST OF TWO OR MORE OF THE FOLLOWING, PLANTED BETWEEN THOSE PLANTED IN THREE ABOVE.
 - A. CINNAMON FERN
 - B. NEW ENGLAND ASTER
 - C. SENSITIVE FERN
 - D. TOWEL WETLAND
 - E. BLUE FLAG IRIS (12 PER PLACE)
 - THE AREA SHALL BE OVER SEED AT 1 LB/1000 SF WITH AN EROSION CONTROL OR WILDLIFE MIX SUITABLE FOR THE SITE CONDITIONS.
 - THE AREA TRIBUTARY TO A SINGLE LOW POINT SHALL BE LESS THAN 5000 SF, UNLESS AN OVERFLOW POINT OR INFILTRATION BASIN IS SHOWN ON THE PLANS.
 - PRIOR TO REMOVAL OF EROSION BARRIER ALL AREAS SHALL BE STABILIZED.
 - ALL PLANTINGS FOUND DEAD AFTER THE FIRST WINTER/SPRING SHALL BE REPLACED.



- EROSION CONTROL & LANDSCAPE SENSITIVITY**
- Plan was prepared by design engineer to provide guidance to the contractor. The Order of Conditions shall take precedence over the information contained herein. A copy of the Order shall be onsite at all times.
 - A well planned and rapid construction process resulting in a minimum period in which the site is disturbed shall be the primary erosion control process at this site. Limiting the flow of erosion concentrated water across disturbed surfaces is also important.
 - Prior to any construction activities, the limits of work shall be demarcated and the Conservation Commission notified.
 - The wetlands crossing shall only be initiated when dry conditions are assured.
 - The compensatory wetlands area shall be cleared, excavated and made ready to receive the soil excavated from the wetlands crossing. Proper erosion control methods shall be utilized during its construction.
 - Clearing shall proceed to beyond the wetlands crossing and all clearing within 25 feet of wetlands shall be by hand with a minimum of materials being dropped on the ground. All materials shall be removed from the site or chipped within 24 hours.
 - Erosion barriers shall be placed along the access road and across the wetlands crossing.
 - Grubbing, within the wetlands shall be by pulling from the uplands.
 - The area under the barrier walls shall be excavated by a backhoe located in the uplands. No additional trees shall be removed to allow the backhoe to swing. Excavated material shall be transported to and spread in the compensatory area on the day excavated and kept moist.
 - The barrier walls shall be placed and the area between them stripped of organic soils. The soils shall be placed in the compensatory area, as above.
 - The area between the walls shall be filled to a depth sufficient to allow free passage of equipment and the clearing operations on the individual lots may proceed. The clearing process shall be completed in one work week, including the removal/chipping of materials.
 - Suitable erosion barriers shall be placed at the limit of work to be completed during the next construction phase.
 - The driveway shall be brought to a suitable terminus that will allow for the turning of vehicles and parking. The surface shall be stable and erosion resistant.
 - Stabilization of surfaces shall be a continuous process so that vegetation can be established during the first growing season available.
 - Topsoil has greater erosion potential than gravel and care shall be taken to only spread it when the establishment of vegetation is assured. Mulching and other control methods shall be utilized.
 - Temporary settling basins could be formed on each lot by making shallow depressions or by erosion barriers.
 - Erosion barriers shall be inspected and replaced or maintained as necessary to insure their integrity.
 - The sites shall be kept litter free and materials and equipment shall not cross beyond the limits of work.
 - Earthen products tracked onto the existing driveway or Spring Hill Road shall be removed on the day deposited.
 - Care must be taken to protect trees to remain, including compaction of the soil around their roots by construction equipment.
 - The environmental hedges shall be planted as soon as possible and areas between construction activities and the limit of work shall be stabilized as soon as possible.
 - Erosion barriers shall be removed as soon as possible.

- WETLANDS REPLICATION AREA CONSTRUCTION AND PLANTING SEQUENCE**
- Area of replication is to be demarcated in field and area is to be inspected to determine if large or significant areas of vegetation should remain the suitability of area and its shade.
 - Access site with minimum disturbance.
 - Place erosion barriers at limit of work.
 - Clear minimum area required, chip brush and place uphill of erosion barrier.
 - Remove all stumps by pulling and disposed of in compliance with all applicable regulations.
 - Over excavate materials from replication area to 6" below finished grade. Unsuitable materials shall be removed from site and disposed in compliance with all applicable regulations. Other excess materials may be utilized for site fill.
 - Excavate topsoil from crossing and place it immediately in the wetland area. Additional topsoil from area either side of the crossing shall be utilized if required.
 - The final grade of the replication area shall be verified as being approximately equal to the adjacent wetlands.
 - Plant the replication area with potted nursery stock. Tree species shall have a minimum height of 5 feet. The following plantings shall be made: 5 Red Maple (*Acer rubrum*), 2 Silver Maple (*Acer saccharinum*), 12 High Bush Blueberry (*Vaccinium corymbosum*), and 12 Swamp Dogwood (*Cornus ananum*).
 - Over seed area with New England Wetland Nursery's New England Wetland Seed Mixture, or approved equal, to supplement the vegetation that is expected to develop from the wetland soils.
 - If plantings are made between July 1 and October 1 they shall be mulched (2 feet out, 6 inches deep) with salt marsh hay. Regular hay, that has noxious weeds, shall not be used.
 - The replication area is required to have 75% wetland species within two years. This will require watering during dry periods in sufficient amounts to provide an equivalent of 1" of rain per week.
 - The replication area shall be inspected and if the area is not found to be developing a mitigation plan should be undertaken, browsing by deer maybe a problem.



SITE PLAN
for
8 SPRINGHILL ROAD
IN ACTON, MA
APPLICANT:
DEANNE ANGELL

JANUARY 1999
SCALE: 1" = 40'

ACTON SURVEY & ENGINEERING
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