

EROSION AND SEDIMENT CONTROL PROCEDURES:

PRECONSTRUCTION NOTIFICATIONS AND MEETINGS: No work shall be performed within 100 feet of any wetland area until all notification and meeting requirements of the Order of Conditions have been completed. These requirements shall be the responsibility of the contractor to arrange, attend, and document.

PERIMETER SILT FENCE AND WORK LIMIT: Before installation of silt fence, location shall be staked in the field for review and approval by the engineer or their representative. To facilitate silt fence installation, woody vegetation may then be removed and the trench cut by machine, provided all other ground cover is left intact. No excavation, grading, filling, or removal of vegetative ground cover shall be performed within 100 feet of any wetland area until perimeter silt fences have been installed as per the drawings and have been inspected by the engineer or their representative.

Perimeter silt fences located adjacent to wetland areas shall serve as the limit of work for this project. No construction, equipment traffic, stockpiles, removal of vegetation, or other alteration shall be permitted on the wetland side of the silt fence/work limit without the approval of the engineer or their representative and the East Longmeadow Conservation

SILT FENCE: The bottom of the fence shall be trenched into the ground a minimum of 6" and back-filled with compacted soil. The top of the fabric shall be stretched as tightly as is practical, with intermediate stakes added to correct excessive sags. Stakes shall be driven at least 12" into the ground. Splices between sections shall be made by rolling end stakes together one complete turn and driving into the ground together.

HAY BALES: Hay bales may be used as temporary and moveable control measures, check dams, or as reinforcement for silt fence in areas of concentrated runoff. Bales shall be tightly butted and staked 12" into the ground. Where used without silt fence in front, the bales shall be trenched 4" into the ground, back-filled with compacted soil, and the spaces chinked with

STONE CONSTRUCTION ENTRANCE: shall be installed and maintained at any points where construction traffic from an unpaved road enters onto the public way or a paved portion of the project roadway.

STOCKING ADDITIONAL MATERIALS: A stock of additional erosion control materials shall be maintained available on the site for emergency repairs and temporary measures. Stock shall be replenished when decreased to 50% of the numbers below.

Stock shall include:

Hay-bales - 25 (Covered to be kept dry)
Oak stakes - 50
Silt fence - 100 linear feet.

100 linear feet. 2 cubic yards, 3/4" to 1 " diameter 25 linear feet of 12 ft. Wide roll, or equivalent.

SEDIMENT/DETENTION BASIN: The stormwater detention basin shall serve as a temporary sediment basin during construction. The detention basin shall be constructed when specified in the sequence above. Basin shall be provided with temporary outlet filters which shall be maintained until tributary areas are stabilized. Filter fabric shall be replaced as necessary to maintain permeability. Accumulated sediment in the basin shall be removed if deeper than i ft in the basin bottom. After site stabilization, accumulated sediment shall be removed, the basin excavated to 2 ft below finish grade, sand filter had included with drains, and the bottom seeded. The filters shall be removed after re-vegetation of the basin is sufficient

EROSION CONTROL NETTING, MESH, OR MULCH MATS shall be used on steep slopes or in swales where required to protect seeding until establishment. Materials shall be installed per manufacturers' recommendations and anchored by burial of edges, staples, or stakes, as applicable.

STORM DRAIN PROTECTION: The storm drain system shall be protected against inflow of sediment. Storm drain structures shall be protected by elevation above grade, silt fence barriers, haybales, or stone filters until the tributary area is stabilized by pavement and vegetative cover is established. Filter protection shall be protected against damage by traffic and

SITE STABILIZATION: On completion of loaming and finish grading on any portion of the site, (except as provided in the sequence below) that area shall be seeded or planted in accordance with USDA SCS guidelines or equivalent. ROADWAY SWEEPING: The entrance(s) to the site and affected portions of the public roadway or paved project roadway shall be swept periodically, as required or directed by the engineer.

INSPECTION & MAINTENANCE: all erosion and sediment control measures shall be inspected daily during grading and after all rain storms by the contractor, and shall be kept in functioning condition until tributary areas are stabilized. Sediment shall be removed from silt fences, check dams, and filter dams when it reaches 6" depth. SEEDING

DETENTION BASIN BOTTOM :

Loamy sand topsoil- 4" depth - rototill to eliminate compaction

NEWP "Erosion Control/Restoration Mix" or equivalent

at 1 lb/ 1200 sq. ft.

Broadcast seed and mulch with straw at 1 bale/1000 sq. ft.

DETENTION BASIN SLOPES, SEWER EASEMENT, AND ROADWAY SLOPES:

Loam - 6" minimum depth
Lime & fertilize in accordance with soil test or NRCS guidelines
Seed mix:
Red Fescue .25 lbs/1000 sq. ft.
Redtop 0.1 lbs/1000 sq. ft. Red Fescue .25 lbs/1000 sq. ft.
Redtop 0.1 lbs/1000 sq. ft.
Perennial Ryegrass 0.25 lbs/1000 sq. ft.
Canada Bluegrass 0.25 lbs/1000 sq. ft.
Mulch w/ hay or straw at 2 bales/1000 sq. ft.

On slopes steeper than 3: 1 or areas of concentrated runoff, secure mulch with jute netting or hydroseed with mulch

WORK ON INDIVIDUAL LOTS:

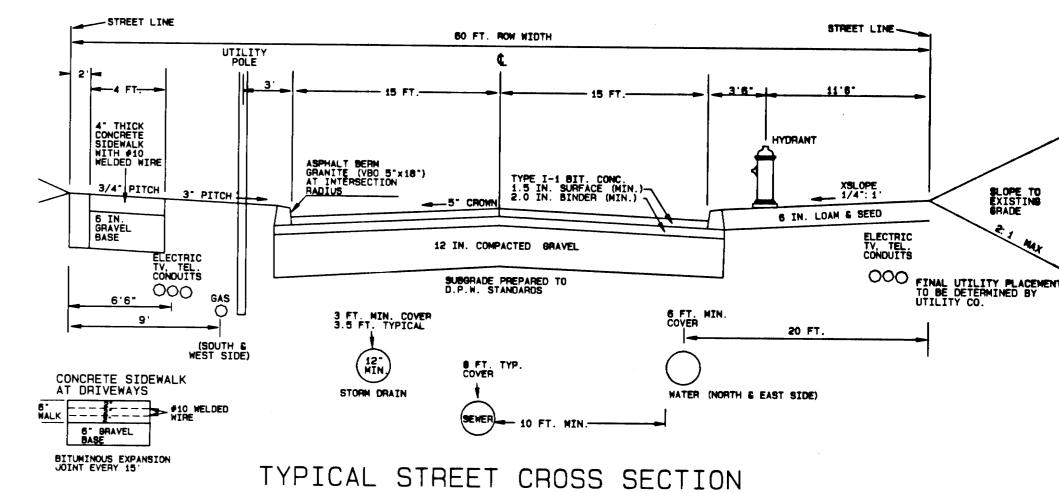
Site work on individual lots shall be controlled so as to prevent sediment discharge to street, wetland, or abutting lots. Typical

measures may include:

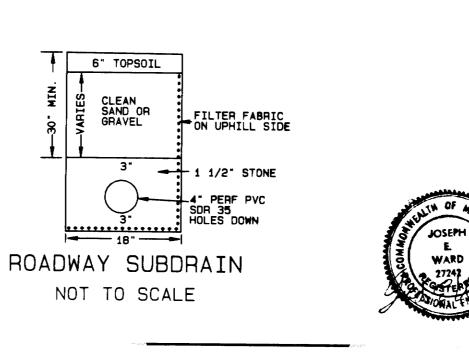
1. Silt fence along down-slope edge of graded areas.

2. Stone construction entrance on driveway cut.

3. Silt fence and haybale check dams across swales carrying concentrated runoff. Temporary diversions to carry runoff around open construction site.
Stone-lined swales to carry concentrated runoff.
Immediate revegetation of slopes, prior to finish grading of yard and lawn.
Curtain drainage or stone blanket to control saepage from cut slopes. Waterbars or open-topped culverts on driveways to prevent accumulation of runoff



NOT TO SCALE



DETAIL SHEET

CANTERBURY CIRCLE, EAST LONGMEADOW, MA GREAT WOODS, PHASE IV

OWNED BY

SIVAD NOMINEE TRUST PREPARED FOR

DAN ROULIER & ASSOCIATES, INC. SHEET 5 OF

SCALE: AS NOTED DATE: SEPT. 1999, REV. 2/10/00

SMITH ASSOCIATES

SURVEYORS, INC. 165 SHAKER RD., EAST LONGMEADOW, MASS. 01028

