

(ES-9) CITY OF SACO VEGETATED SWALE DETAIL

N.T.S.

Short Form Specifications:

Material: **CURLEX BLANKET, LOAM, SEED, MULCH**

QA/QC: **INSPECT FOR DEBRIS AND EXCESSIVE GROWTH. MOW TO A HEIGHT OF 4" TO 6" AT LEAST ONCE ANNUALLY.**

Submittal: **CURLEX BLANKET, SEED MIX**

Completion: **VEGETATED SWALE MAY RECEIVE FLOWS UPON A 75% CATCH OF GRASS.**

Installation: **CONSTRUCT AND STABILIZE AS EARLY AS POSSIBLE IN CONSTRUCTION SCHEDULE. RUNOFF SHALL BE DIVERTED FROM SWALE UNTIL 75% CATCH OF GRASS HAS BEEN ESTABLISHED.**

Design Checklist:

Use: **ALL AREAS WHERE CONCENTRATED RUNOFF IS TO BE CONVEYED; IF HIGH WATER TABLE IS PRESENT, UNDERDRAINS SHALL BE USED.**

Computations: **COMPUTE VELOCITY BASED ON 10 YEAR, 24 HOUR STORM. VELOCITY SHALL NOT EXCEED THE MAXIMUM PERMISSIBLE VELOCITIES FOR VEGETATED CONDITIONS ON TABLE 36.1 OF EROSION CONTROL BMP.**

Water Quality Provisions:

REDUCE GULLY EROSION AND MOVEMENT OF SEDIMENT, LIMITED FILTRATION OF SEDIMENT AND POLLUTANTS.

Cross Reference:

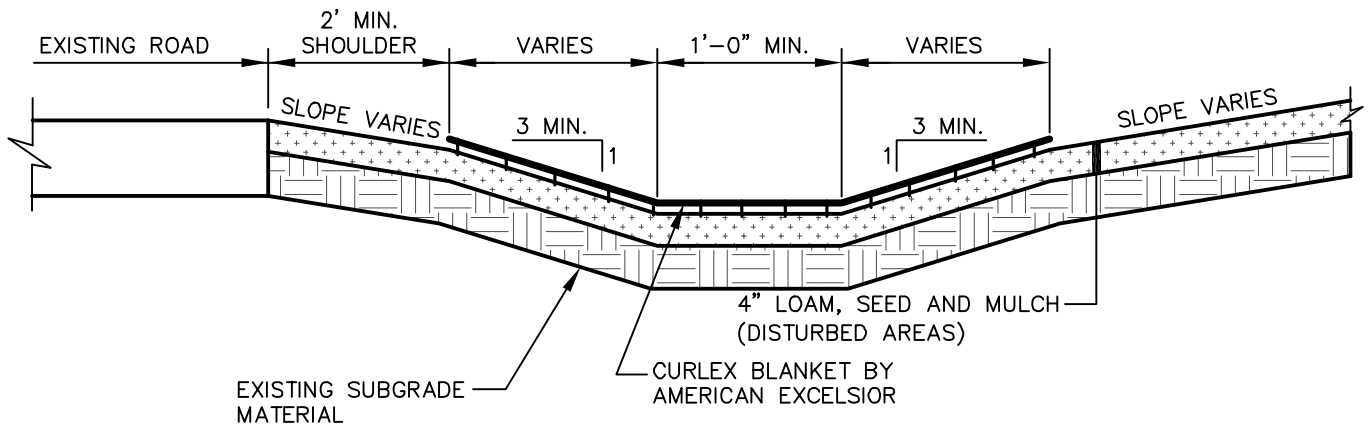
Zoning/Site Plan Review: **ARTICLE 8 – GOOD NEIGHBOR PERFORMANCE STANDARDS, SECTION 806 – EROSION CONTROL**

Subdivision Review: **ARTICLE 5 – PRELIMINARY PLAN, PARAGRAPH 5.2.2(17)**

Erosion Control BMP: **SECTION 36.0 – VEGETATED WATERWAY**

ASCE MREP No. 77: **CHAPTER 12, P.493; CHAPTER 9, P.338 CHAPTER 6, P.269**

MEDEP STORMWATER BMP: **SECTION 6.2.2 – VEGETATIVE SWALE**



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