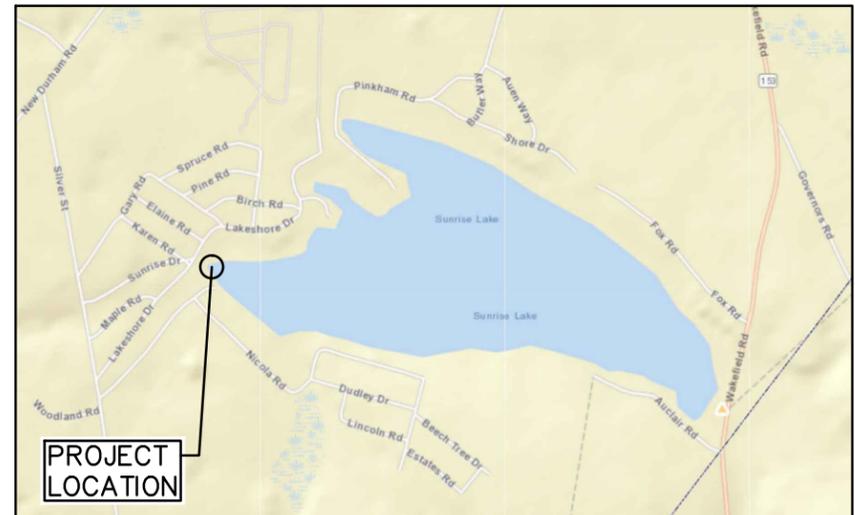


**BASIS OF DESIGN**

PROPOSED BMP: RAIN GARDEN  
 PRE-TREATMENT: SWALE  
 TREATMENT AREA: 7.5 Ac.  
 IMPERVIOUS COVER AREA: 2.4 Ac.  
 SCM AREA REQUIRED: 1,170 SF  
 WQV: 8,197 CF  
 10-YEAR STORM: 2.9 CFS  
 TP LOADING: 4.3 LB/YR  
 TP REDUCTION: 1.2 LB/YR (.27%)  
 PLANNING RANGE OF COSTS: \$ TBD

**NOTES:**

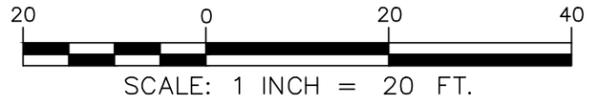
1. CONCEPTS SHOWN ARE FOR PLANNING PURPOSES ONLY. FINAL DESIGN SHOULD BE COMPLETED PRIOR TO CONSTRUCTION OF ANY SCM'S.
2. RAIN GARDEN #1 WILL REQUIRE AN EASEMENT (TO BE SECURED BY SUNRISE LAKE ASSOCIATION).
3. EXISTING CONDITIONS SHOWN ARE BASED ON GIS DATA, AERIAL PHOTOGRAPHY AND FIELD OBSERVATIONS



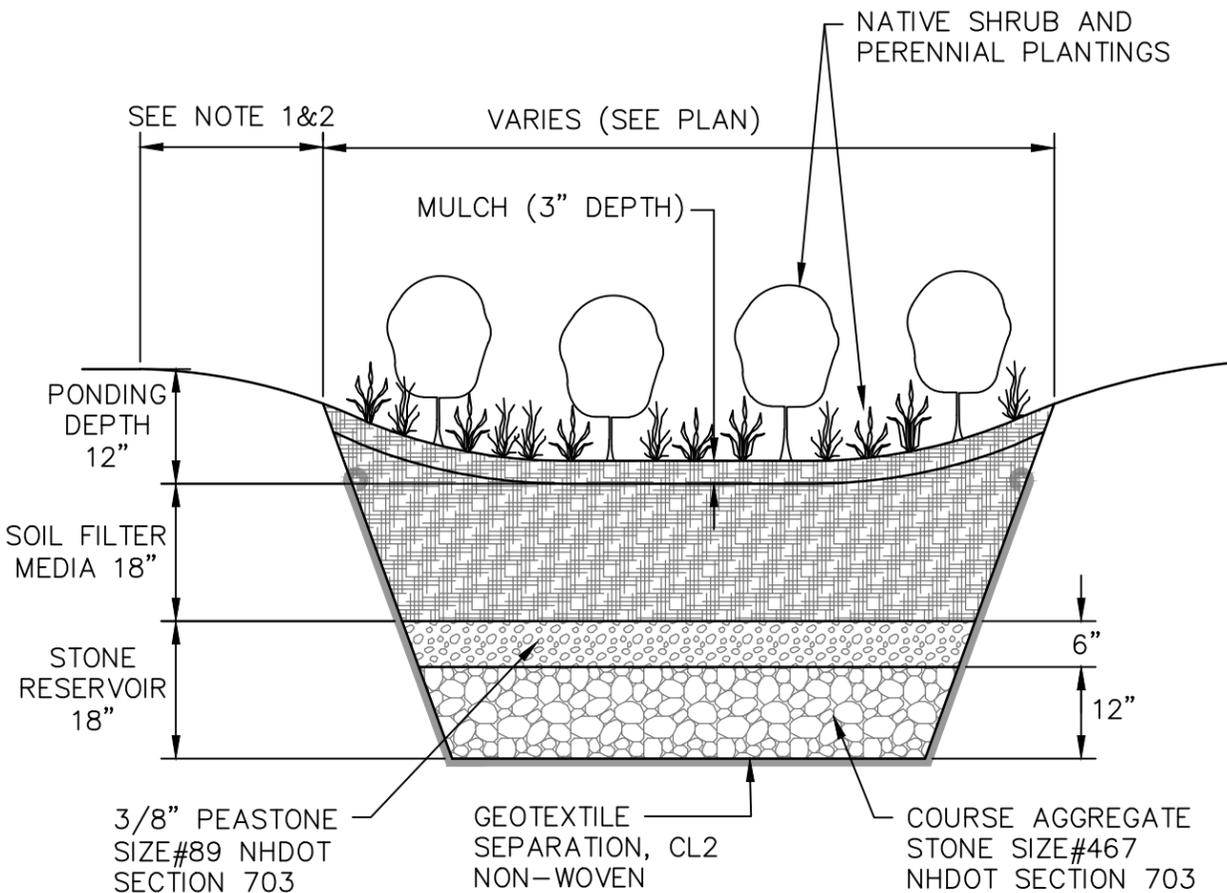
**LOCUS** (NTS)

**PLAN**

SCALE: 1"=20'



DATE 7/25	<p><b>Underwood Engineers</b> 25 Vaughan Mall, Portsmouth, N.H. 03801 Tel. 603-436-6192 Fax. 603-431-4733</p>	LAKELAND ASSOCIATION BEACH MIDDLETON NEW HAMPSHIRE	FIG. 1
PROJECT 3136			

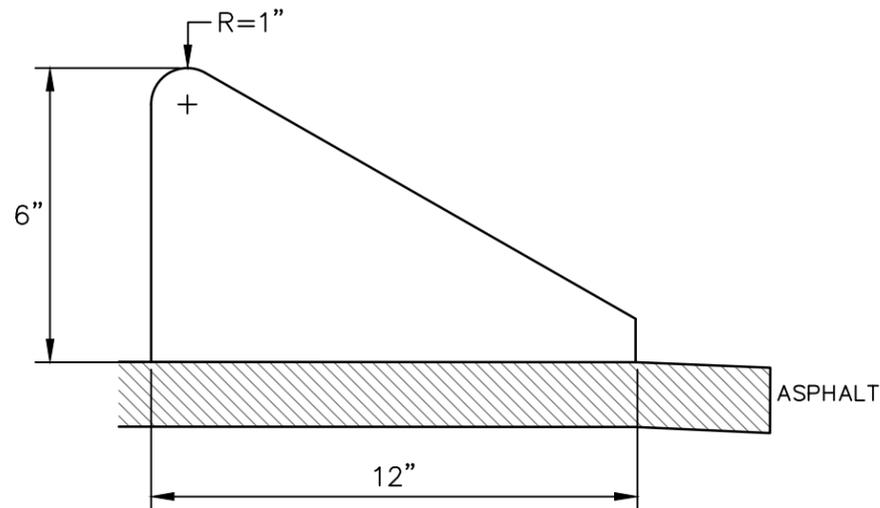


**NOTES:**

- 1. RAIN GARDENS 1, 4 & 5 HAVE A 3:1 SLOPE.
- 2. RAIN GARDENS 2 & 3 HAVE A 1:1 SLOPE.

**RAIN GARDEN DETAIL**

NOT TO SCALE

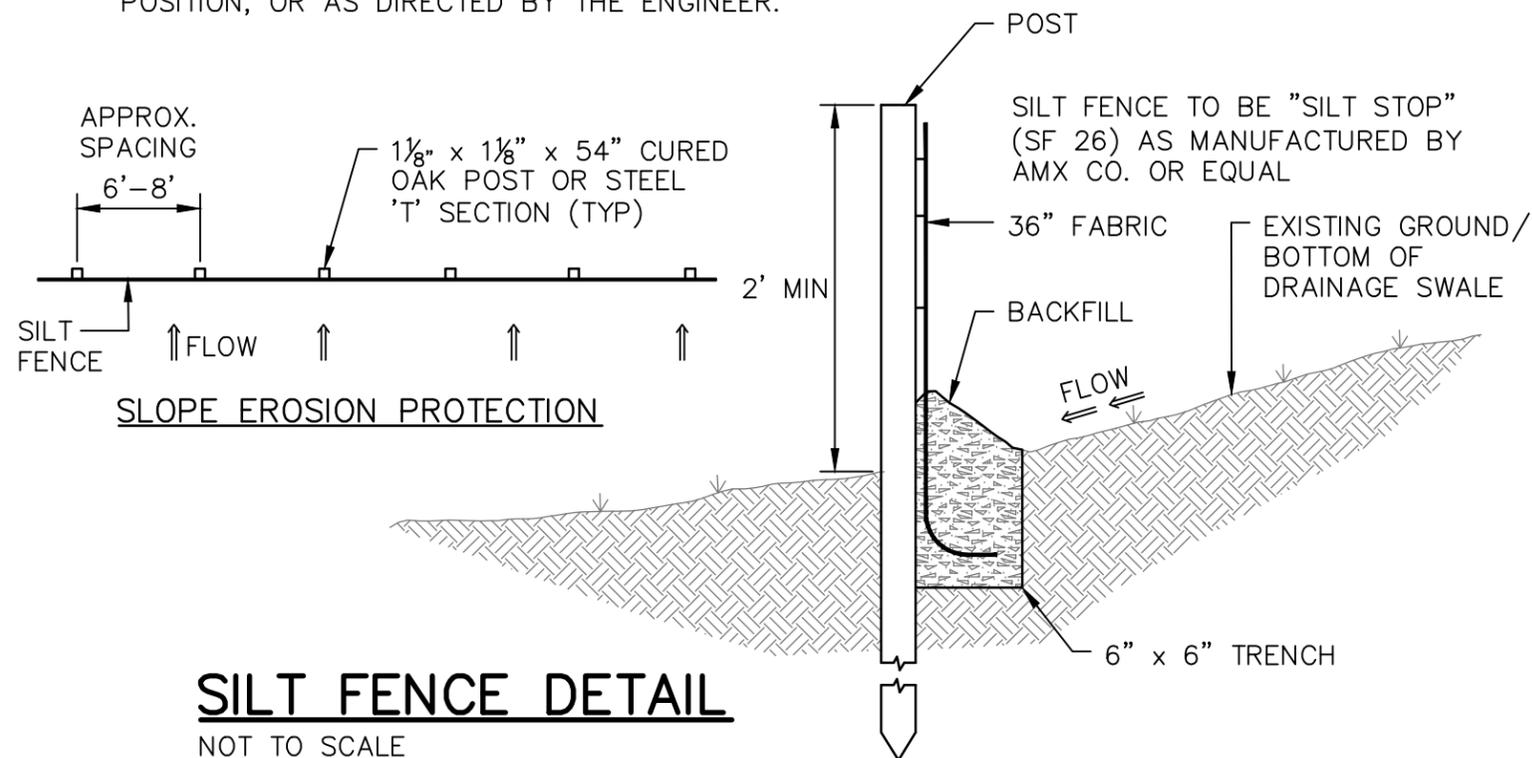


**TYPICAL ASPHALT CURB & BERM**

NOT TO SCALE

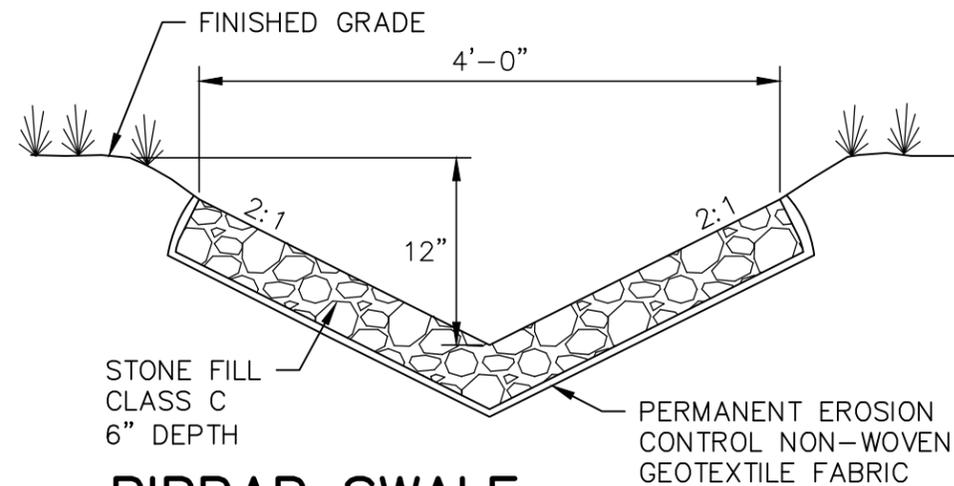
**SILT FENCE CONSTRUCTION NOTES:**

- 1. SILT FENCE TO BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS BEFORE CONSTRUCTION PROCEEDS. FENCE SHALL BE MAINTAINED THROUGHOUT ENTIRE DURATION OF CONSTRUCTION UNTIL GROUND COVER IS ESTABLISHED.
- 2. PLACE HAY BALES BEHIND SILT FENCE AS REQUIRED TO MAINTAIN FENCE IN AND UPRIGHT POSITION, OR AS DIRECTED BY THE ENGINEER.



**SILT FENCE DETAIL**

NOT TO SCALE



**RIPRAP SWALE**

NOT TO SCALE

DATE

7/25

PROJECT

3136



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Tel. 603-436-6192 Fax. 603-431-4733

HAMPSHIRE SHORES  
DETAILS  
MIDDLETON  
NEW HAMPSHIRE

FIG.

3