

*George J. Zambouras*

**STORMWATER BMP  
LAYOUT  
62 DUNHAM ROAD  
BEVERLY, MA**

APPLICANT: IRON TREE SERVICE  
P.O. BOX 12  
WENHAM, MA 01984

ENGINEER:  
**THOMAS MANNETTA INCORPORATED**  
15 BOARDMAN LANE - TOPSFIELD MA 01983  
445 RANTOUL STREET - BEVERLY MA 01915  
PHONE: (978) 987-0965 EMAIL: TOM@THOMASMANNETTA.COM

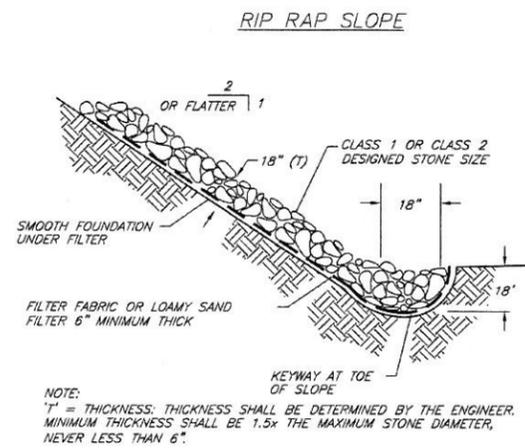
DRAWING FILE: C:\TCMDRAW2015\62DUNHAMBEV2

TCL #	1739	DATE:	11/5/2015
revision #	1	date	11/19/15
	2	date	4/2/16
		description	optional slope stabilization
			SWPPP Plan

50 0 50 100  
Scale: 1" = 50'

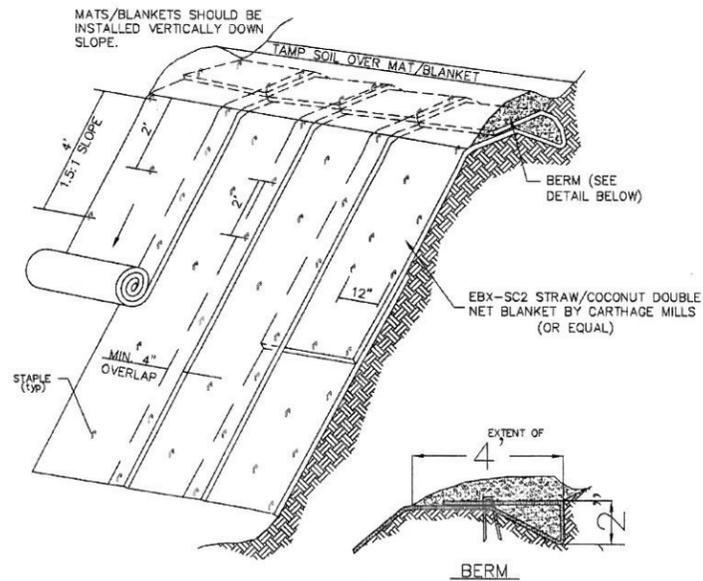
SHEET 1 of 2

SWPPP ENGINEER:  
GEORGE J. ZAMBOURAS, P.E.  
17 NOBLE HILL ROAD - BEVERLY MA 01915  
PHONE: (978) 778-5035



**SLOPE STABILIZATION DETAIL #3**  
(Not to scale)

**EROSION CONTROL BLANKET**



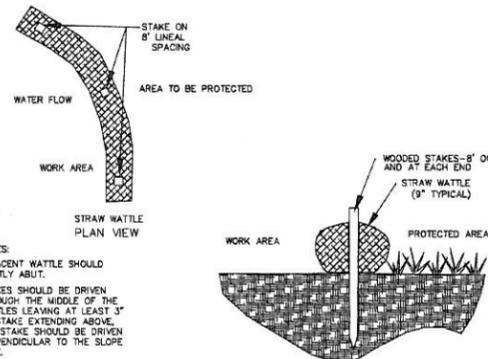
SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. ALL RUTTED SURFACES SHALL BE SMOOTH FOR UNIFORM SLOPE.

APPLY 2"-4" OF LOAM ALONG SLOPE.

APPLY A CONSERVATION MIX WITH WINTER RYE ALONG SLOPE.

LAY EROSION CONTROL BLANKET AS SPECIFIED BY MANUFACTURER AND STAPLE AS REQUIRED. (SEE DETAIL ABOVE)

**SLOPE STABILIZATION DETAIL #1**  
(Not to scale)

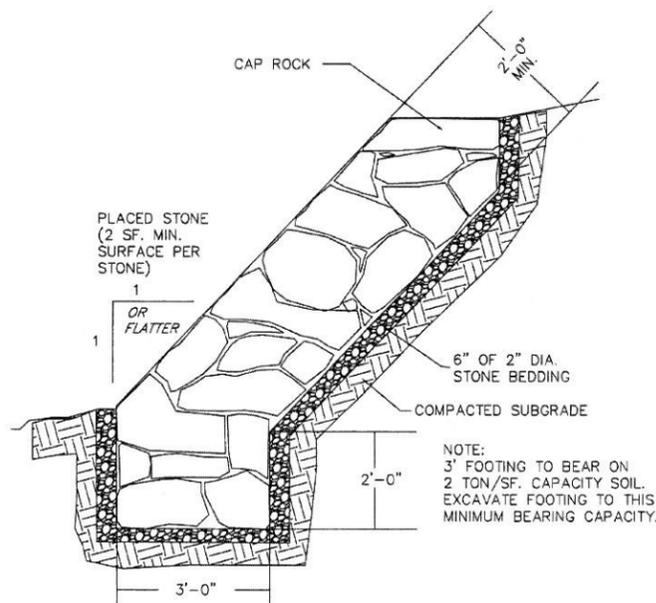


**EROSION CONTROL MEASURES**

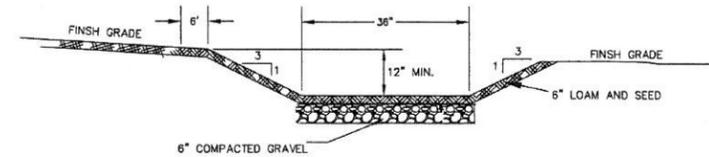
1. SILT BARRIER TO BE INSTALLED IN ACCORDANCE WITH THIS PLAN PRIOR TO THE BEGINNING OF CONSTRUCTION.
2. ALL DISTURBED AREAS ARE TO BE LOAMED AND SEEDED OR COVERED WITH OTHER SUITABLE GROUND COVER UPON COMPLETION OF CONSTRUCTION.
3. SILT BARRIER IS TO REMAIN IN PLACE UNTIL VIGOROUS GROUND COVER HAS BEEN ESTABLISHED.
4. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A WEEKLY BASIS AND ANY DEBRIS AND/OR SEDIMENT SHALL BE REMOVED FROM THE SITE.
5. ALL STOCKPILING OF MATERIAL OR ANY OTHER EXPOSED MATERIALS OPEN TO THE ELEMENTS SHALL BE STABILIZED AND/OR COVERED WITHIN 2 DAYS.

**TYPICAL SILTATION BARRIER**  
(Not to scale)

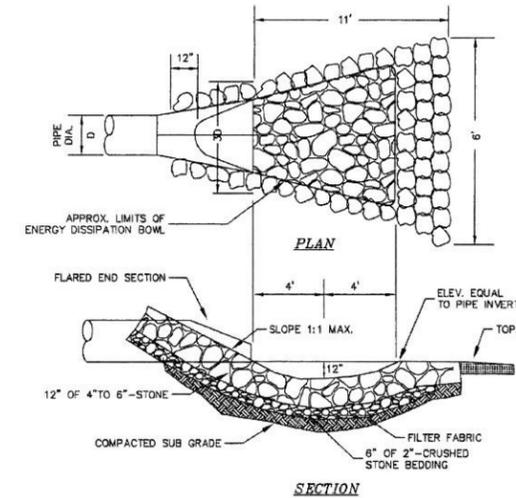
**PLANCE STONE SLOPE**



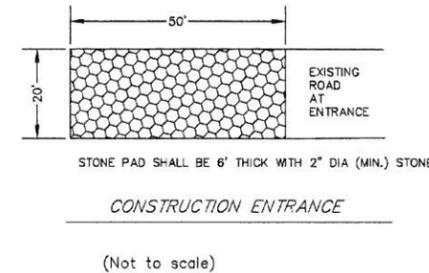
**SLOPE STABILIZATION DETAIL #2**  
(Not to scale)



**TYP. SECTION - GRASSED WATER QUALITY SWALE**  
N.T.S.



**FLARED END SECTION WITH STONED ENERGY DISSIPATER**  
N.T.S.



**SHEET 2 of 2**

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2	4/2/16	SWPPP Plan

Scale: AS NOTED