

**(ES-15) CITY OF SACO
RIPRAP PLUNGE POOL DETAIL**

N.T.S.

Short Form Specifications:

Material:	RIPRAP, FILTER FABRIC, MDOT TYPE D SUBBASE GRAVEL	QA/QC:	INSPECT FOR DEBRIS AND EXCESS SEDIMENTATION.
Submittal:	RIPRAP GRADATION, GRAVEL GRADATION, FILTER FABRIC MATERIAL	Completion:	N/A
Installation:	CONSTRUCT AND STABILIZE PRIOR TO DIRECTING FLOWS TO CULVERT.		

Design Checklist:

Use: **INSTALL TO PROVIDE ADDITIONAL SCOUR PROTECTION AT OUTLETS FEATURING HIGH VELOCITIES.**

Computations: **THE CHART PROVIDES SIZING FOR CULVERT SIZES FLOWING FULL. FOR LESS THAN FULL FLOW CONDITIONS, COMPUTE SIZE PER EROSION CONTROL BMP.**

Water Quality Provisions:

REDUCE EROSION AND MOVEMENT OF SEDIMENT.

Cross Reference:

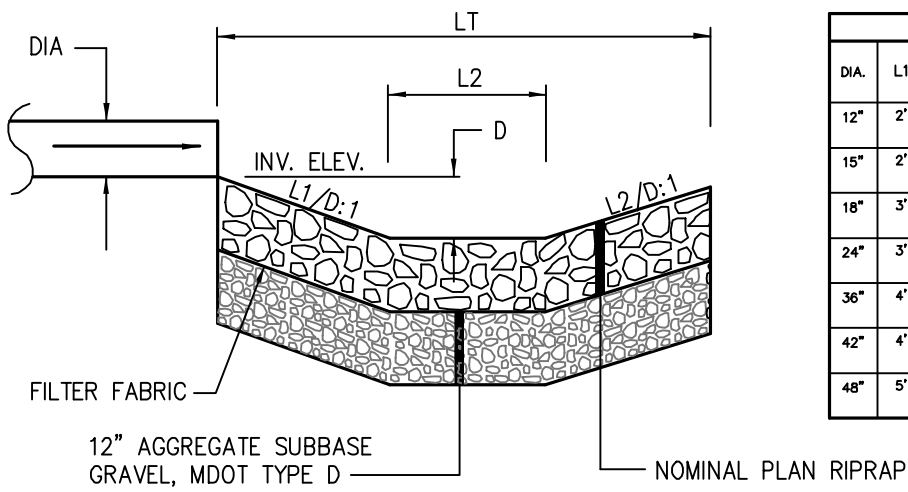
Zoning/Site Plan Review: **ARTICLE 8 – GOOD NEIGHBOR PERFORMANCE STANDARDS, SECTION 806 – EROSION CONTROL**

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

Erosion Control BMP: **SECTION 36.0 – PIPE OUTLET PROTECTION; SECTION 70.0 – RIPRAP**

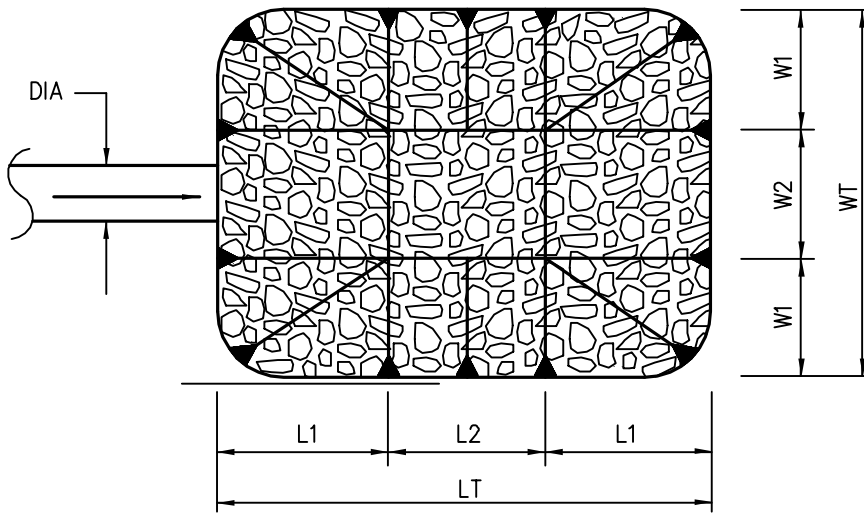
ASCE MREP No. 77: **CHAPTER 9, P.355**

MEDEP STORMWATER BMP: **N/A**



SCHEDULE										
DIA.	L1	L2	LT	W1	W2	WT	D	STONE D ₅₀	RIPRAP THICKNESS	
12"	2'	2'	6'	2'	2'	6'	1'	6"	14"	
15"	2'	2'	6'	2'	2'	6'	1'	6"	14"	
18"	3'	2'	8'	3'	2'	8'	1'	6"	14"	
24"	3'	2'	8'	3'	2'	8'	1'	6"	14"	
36"	4'	2'	10'	4'	2'	10'	2'	12"	27"	
42"	4'	3'	11'	3'	3'	11'	2'	12"	27"	
48"	5'	3'	13'	5'	3'	13'	2.5'	12"	27"	

SECTION VIEW



PLAN VIEW

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