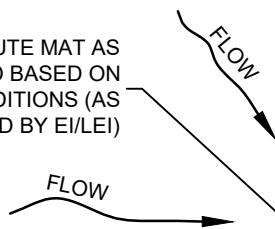


WATER BAR
(REFER TO MVP-17, MVP-17.1,
AND MVP-17.2 DETAILS)

INSTALL JUTE MAT AS
NEEDED BASED ON
SOIL CONDITIONS (AS
DIRECTED BY E/I/LEI)



KEY INTO EXISTING
SOIL TO PREVENT
BYPASSING

WATER BAR END TREATMENT
TO BE KEYED (4 INCHES
MINIMUM) INTO EXISTING
GROUND THAT IS 6" MIN
HIGHER GRADE THAN LEVEL
WEIR SECTION

LEVEL WEIR
SECTION (L),

SEE INSET

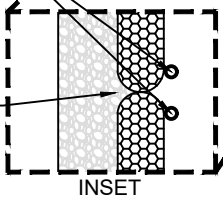
WELL
VEGETATED
AREA

INSTALL JUTE MAT ON AREAS
DOWNSLOPE ALONG FLOW PATH. JUTE
MAT WILL BE 8' WIDE ON CONTOUR
ALONG THE WEIR SECTION OF THE END
TREATMENT. JUTE TO BE KEYED INTO
BASE OF RIPRAP. FOR STEEP SLOPES
REPLACE JUTE MAT WITH CC-4 SOIL
STABILIZATION BLANKET FOR 25-FT
DOWNHILL FROM TOE OF RIP RAP

MAINTAIN 12" WEIR HEIGHT ACROSS
ENTIRE LENGTH, INCLUDING THE
EXTENT BEYOND THE LEVEL WEIR
SECTION KEYED INTO EXISTING
GROUND.

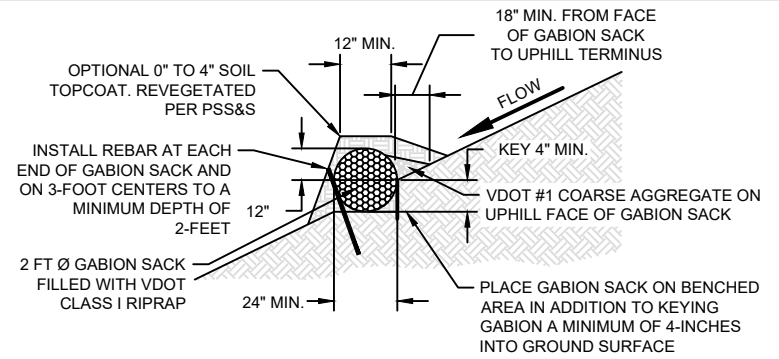
INSTALL REBAR AT EACH
END OF GABION SACK TO
A MINIMUM DEPTH OF 2'

ENSURE VDOT#1 COARSE
AGGREGATE FILLS OPEN
SPACE WHERE ADJACENT
GABION SACKS BUTT
TOGETHER



NOTE: LEVEL WEIR SECTION OF WATERBAR END TREATMENT TO BE CONSTRUCTED
ON CONTOUR AS SHOWN ON DETAILS MVP-17.3, MVP-17.4, MVP-17.5, AND MVP-17.6.

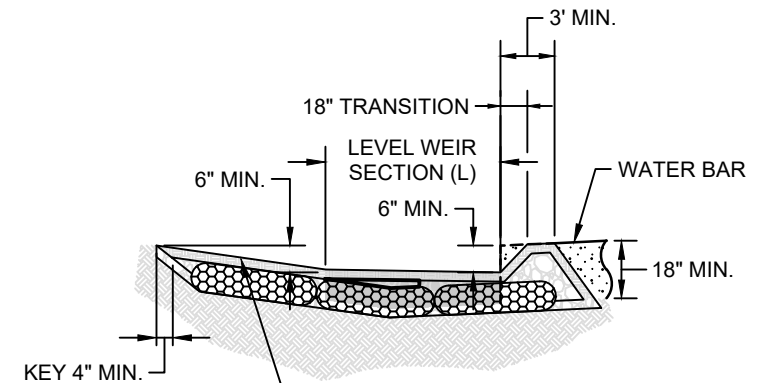
LEVEL WEIR SECTION LENGTHS	
D.A. [AC]	LENGTH ,L (FT) [SEE NOTE #1]
≤ 0.5	10
$0.5 \leq 1.0$	15
$1.0 \leq 1.5$	20
> 1.5	SITE SPECIFIC



XS: A-A'

GABION WIRE MESH MATERIAL SPECIFICATIONS

Mesh Type	Nominal Mesh Opening D in (mm)	Mesh Tensile Strength lb/ft (kN/m)	Mesh Connection to Seldge lb/ft (kN/m)	Punch Test lb (kN)
6x8	2.5 (64)	33.6 (2300)	700 (10.2)	4,000 (17.8)
8x10	3.25 (83)	35,00 (51.1)	1,400 (20.4)	6,000 (26.7)



XS: B-B'

OPTIONAL 0" TO 4" SOIL TOPCOAT.
REVEGETATED PER PSS&S.

DRAWN	JJZ	DATE	05/09/2022
CHECKED	DCW	DATE	05/09/2022
APP'D	TD	DATE	05/09/2022
SCALE	N.T.S.	SHEET	1 OF 1
JOB NO.			
PROJECT ID:	MVP - VA PORTION		

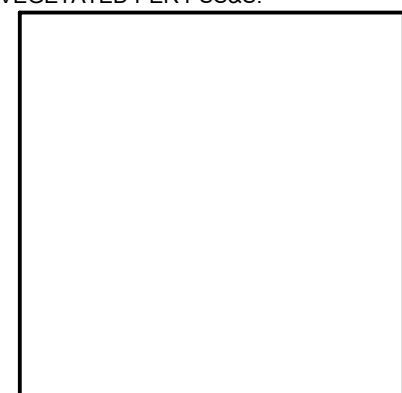


DESIGN ENGINEERING

TYPICAL CONSTRUCTION DETAIL

PERMANENT WATERBAR END TREATMENT DETAIL (GABION SACK CONSTRUCTION OPTION)

DRAWING NO.	REV.
MVP-17.7A	1



Plotted by: Zaigler, Justin on: May 10, 2022 - 6:58 AM