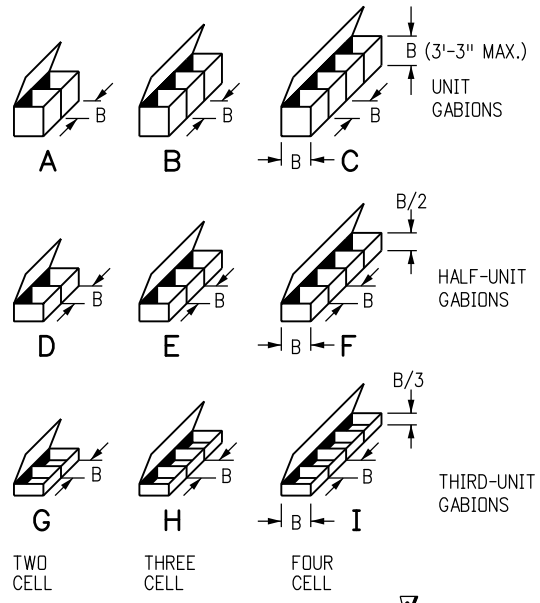
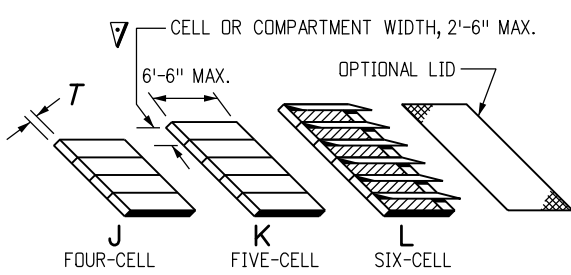


**GENERAL NOTES**

- GABION AND SLOPE MATTRESS STRUCTURES ON THIS DETAIL ARE TYPICAL ONLY. THE STRUCTURES AS INSTALLED, SHALL ACHIEVE THE PLAN DIMENSIONS IN ALL 3 SPACIAL AXES, WITHOUT REGARD TO THE NUMERICAL COUNT OF UNITS OR ALPHABETICAL UNIT DESIGNATIONS ON THIS SHEET.
- SLOPES 2:1 OR FLATTER ARE DESIRABLE FOR THE DETAILS ON THIS SHEET.
- THE LONGER DIMENSION OF THE MESH OPENINGS SHALL BE 4 IN. NOMINAL FOR THE GABIONS AND 3 IN. NOMINAL FOR THE SLOPE MATTRESSES.
- THE LIMITS OF STRUCTURE EXCAVATION SHALL BE THE NEAT LINES OF THE EXCAVATED PRISM REQUIRED TO INSTALL GABIONS OR SLOPE MATTRESSES.
- LIDS FOR MULTIPLE OR SINGLE MATTRESSES ARE ACCEPTABLE.
- ROCK GRADATION SHALL BE SHOWN ON THE PLANS.



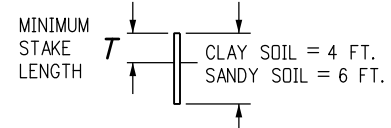
**TYPICAL GABION UNITS**



**TYPICAL SLOPE MATTRESS UNITS**

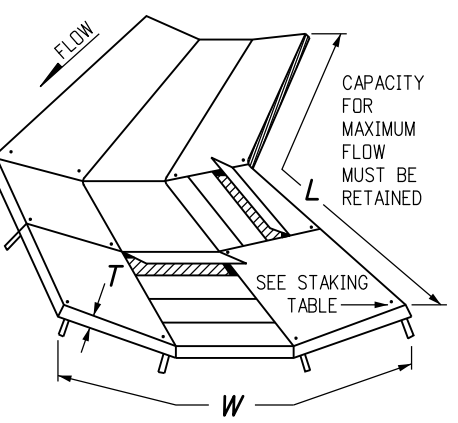
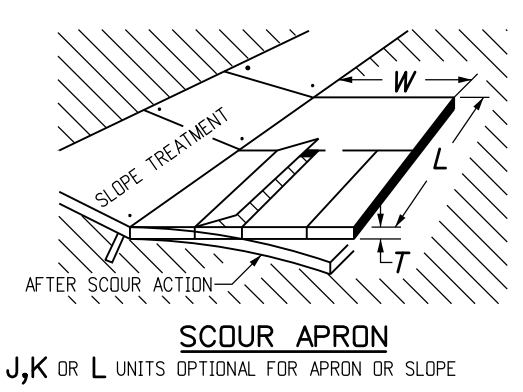
STEEPEST SLOPE RATIO	SPACING IN FT.	
	ACROSS	DOWN
2 : 1	6	8
2 1/2 : 1	6	8
3 : 1	12	12
4 : 1	12	12
5 : 1	12	12
6 : 1	NONE	NONE

**SLOPE TREATMENT STAKING TABLE**

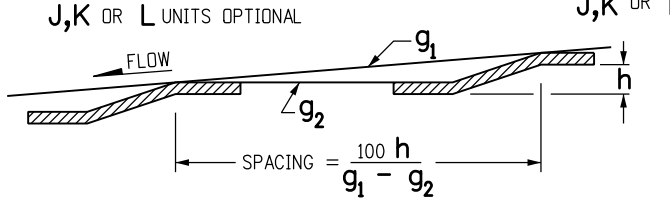


NOTE: STAKES SHALL BE PLACED AT CONNECTION POINTS OF UNITS WHEN POSSIBLE. STAKES SHALL BE STRAIGHT AND SHALL NOT BE WIRED TO THE BASKET.

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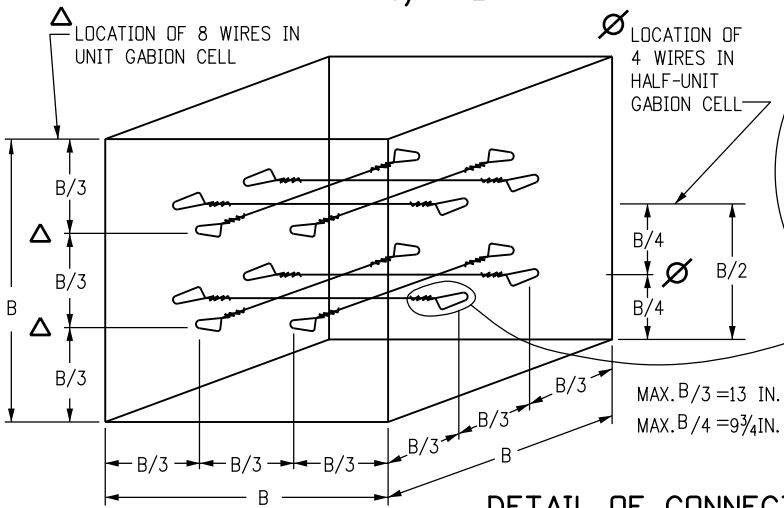


**LINED CHANNEL**

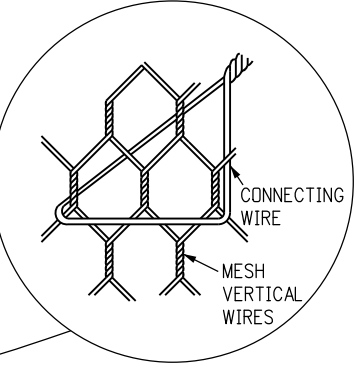


**EROSION DITCH CHECK**

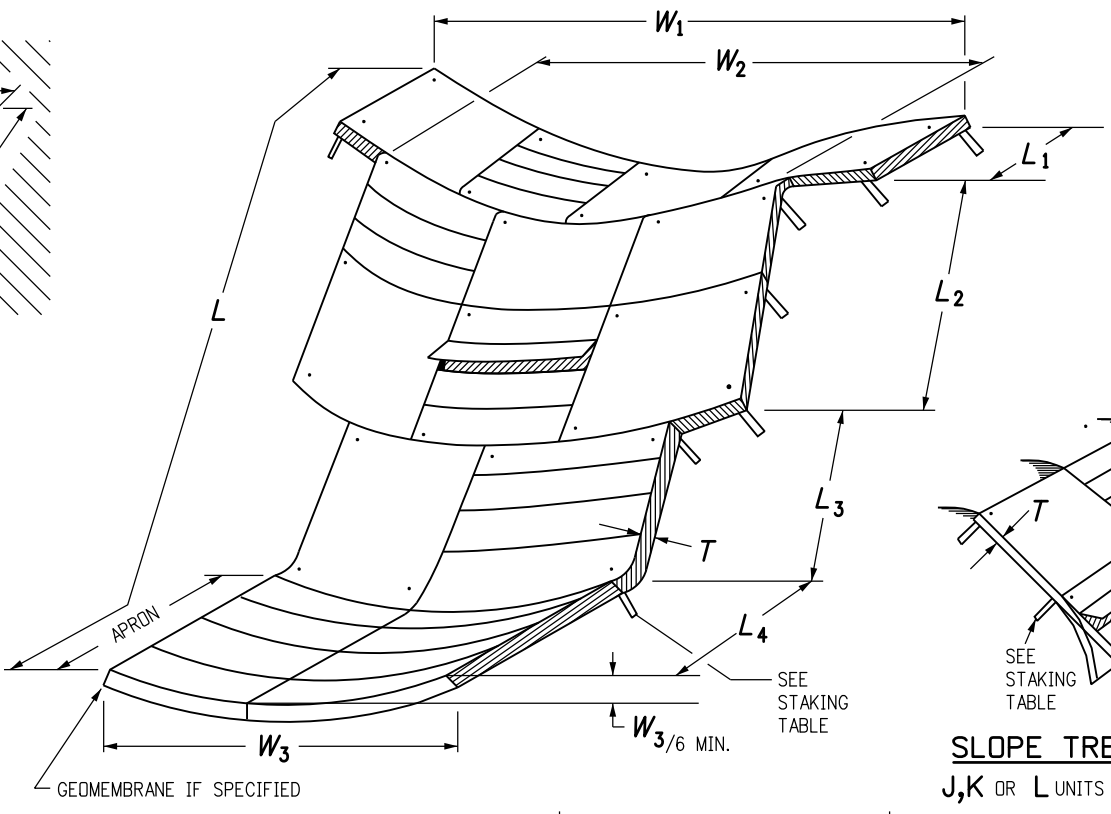
$g_1, g_2 = \% \text{ SLOPE (FT. PER 100 FT.)}$   $h = \text{WATER DROP IN FT. OVER STRUCTURE}$



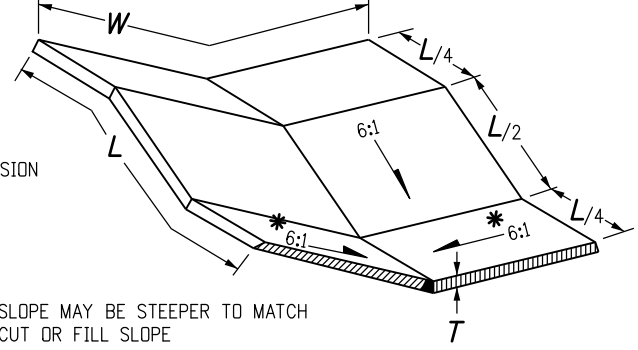
**DETAIL OF CONNECTING WIRES IN EACH GABION CELL**



ALL CONNECTING WIRES SHALL BE LOOPED AROUND THREE WIRES



**RUNDOWN**



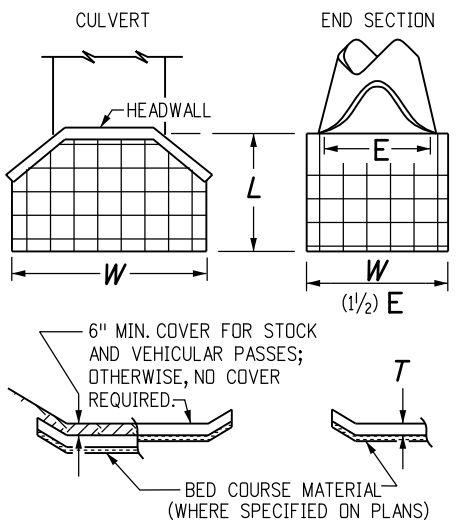
**LEGEND**

- B = GABION CELL DIMENSION
- T = THICKNESS
- W = WIDTH
- L = LENGTH
- H = HEIGHT

\* SLOPE MAY BE STEEPER TO MATCH CUT OR FILL SLOPE

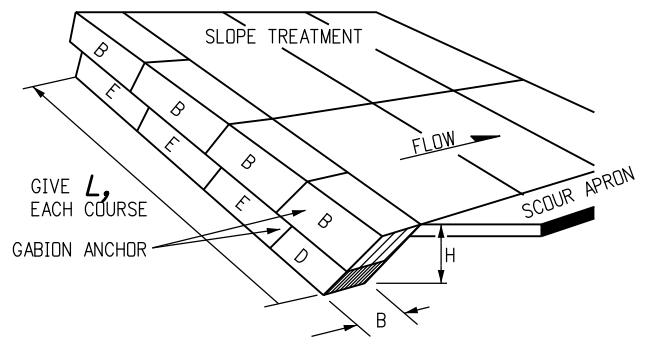
**SLOPE TREATMENT**

J,K OR L UNITS OPTIONAL



**OUTLET TREATMENT**

J,K OR L UNITS OPTIONAL



**TYPICAL UPSTREAM GABION ANCHOR**

**Computer File Information**

Creation Date: 07/31/19
Designer Initials: JBK
Last Modification Date: 07/31/19
Detailer Initials: LTA
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

Rev	Date	Description	By
(R-X)	mm/dd/yy	XXXXXXXX	XXXXXX
(R-X)	mm/dd/yy	XXXXXXXX	XXXXXX
(R-X)	mm/dd/yy	XXXXXXXX	XXXXXX
(R-X)	mm/dd/yy	XXXXXXXX	XXXXXX
(R-X)	mm/dd/yy	XXXXXXXX	XXXXXX

**Colorado Department of Transportation**

Street Address  
Office location  
City, CO Zip code  
Phone: XXX-XXX-XXXX Fax: XXX-XXX-XXXX

**Region, Unit**      **Intials/Intials**

**As Constructed**

No Revisions: mm/dd/yy
Revised: mm/dd/yy
Void: mm/dd/yy

**GABIONS AND SLOPE MATTRESS**

Designer: XXXXXXXX
Detailer: XXXXXXXX
Sheet Subset: XXXXXXXX
Subset Sheets: XXX of XXX

**Project No./Code**

XXXXX/XXXX
D-506-1
Sheet Number: 1 of 1
Project Sheet Number: XX