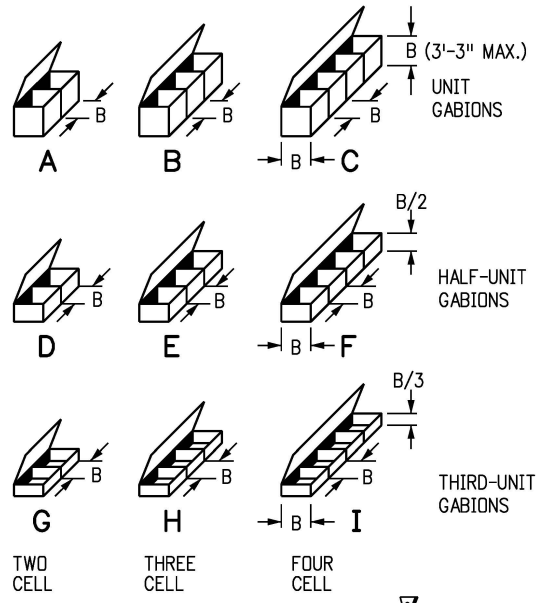
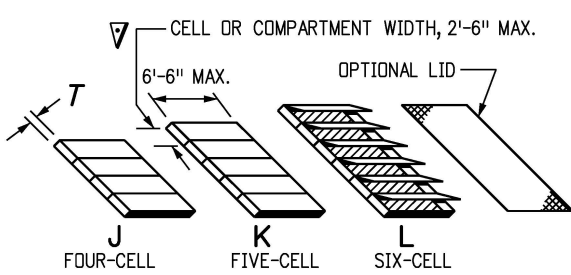


**GENERAL NOTES**

- 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.



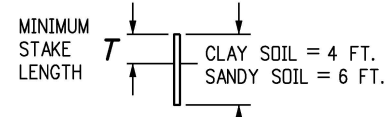
**TYPICAL GABION UNITS**



**TYPICAL SLOPE MATTRESS UNITS**

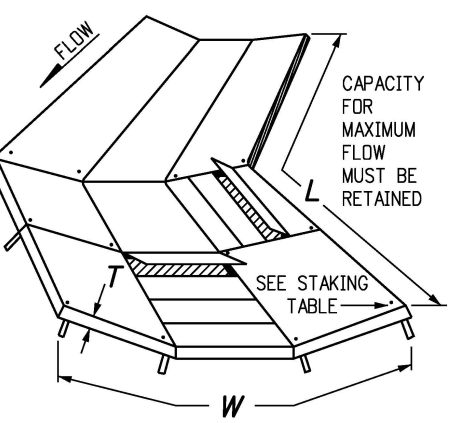
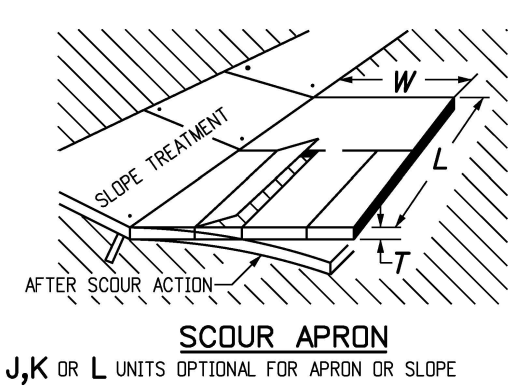
| STEEPEST SLOPE RATIO | SPACING IN FT. |      |
|----------------------|----------------|------|
|                      | ACROSS         | DOWN |
| 2 : 1                | 6              | 8    |
| 2 1/2 : 1            | 6              | 8    |
| 3 : 1                | 12             | 12   |
| 4 : 1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

**SLOPE TREATMENT STAKING TABLE**

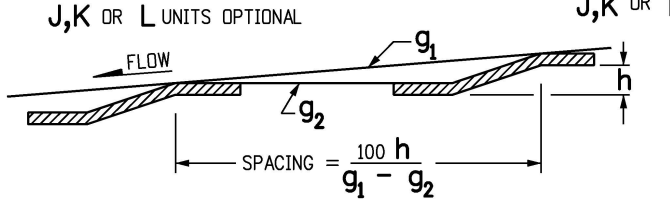


NOTE: STAKES SHALL BE PLACED AT CONNECTION POINTS OF UNITS WHEN POSSIBLE. STAKES SHALL BE STRAIGHT AND SHALL NOT BE WIRED TO THE BASKET.

www.dot.state.co.us/DesignSupport/

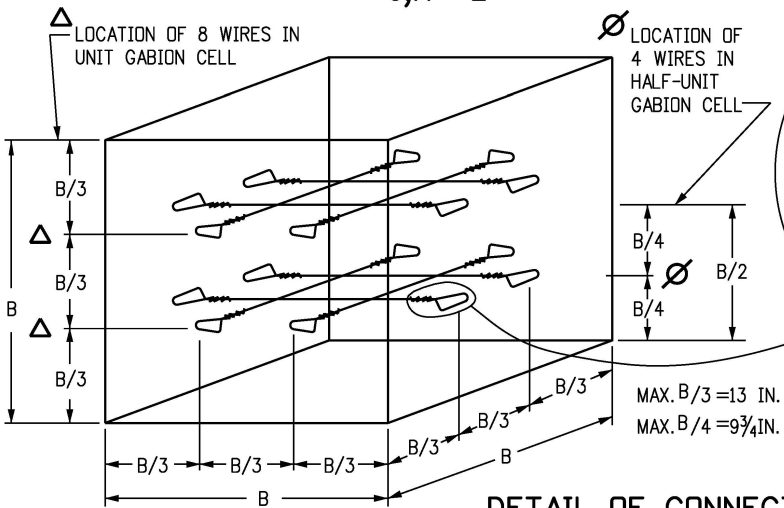


**LINED CHANNEL**

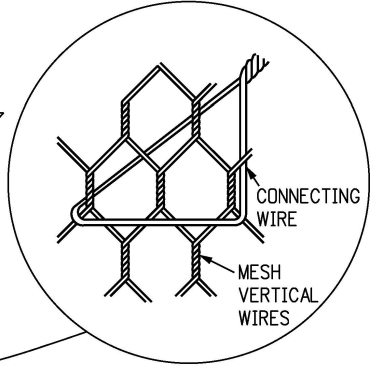


**EROSION DITCH CHECK**

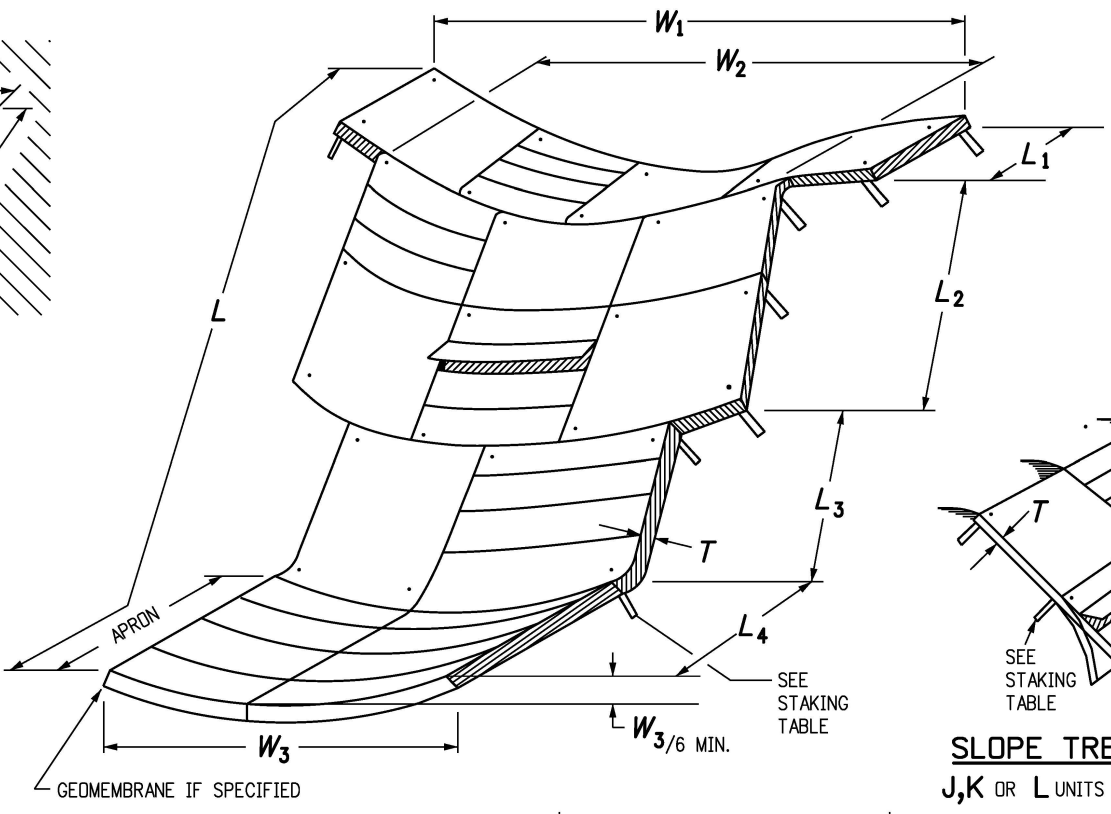
$g_1, g_2 = \% \text{ SLOPE (FT. PER 100 FT.)}$   $h = \text{WATER DROP IN FT. OVER STRUCTURE}$



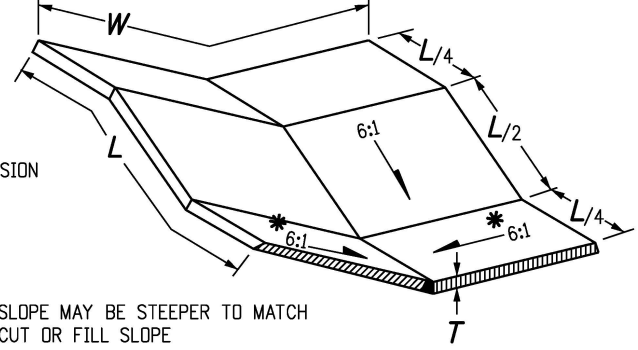
**DETAIL OF CONNECTING WIRES IN EACH GABION CELL**



ALL CONNECTING WIRES SHALL BE LOOPED AROUND THREE WIRES



**RUNDOWN**



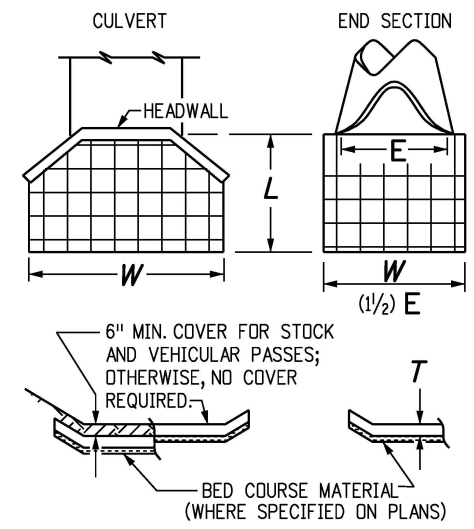
**LEGEND**

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

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

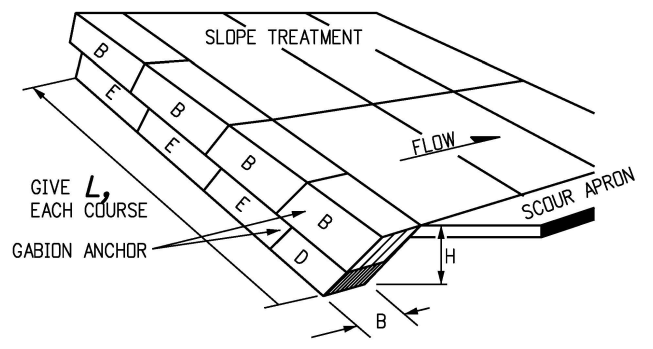
**SLOPE TREATMENT**

J,K OR L UNITS OPTIONAL



**OUTLET TREATMENT**

J,K OR L UNITS OPTIONAL



**TYPICAL UPSTREAM GABION ANCHOR**

| Computer File Information                                    | Sheet Revisions                | Colorado Department of Transportation | As Constructed         | GABIONS AND SLOPE MATTRESS | Project No./Code         |
|--|--------------------------------|---------------------------------------|------------------------|----------------------------|--------------------------|
| Creation Date: 07/31/19                                      | (R-X) mm/dd/yy XXXXXXXX XXXXXX | Street Address                        | No Revisions: mm/dd/yy | Designer: XXXXXXXX         | XXXXX/XXXX               |
| Designer Initials: JBK                                       | (R-X) mm/dd/yy XXXXXXXX XXXXXX | Office location                       | Revised: mm/dd/yy      |                            | Detailer: XXXXXXXX       |
| Last Modification Date: 07/31/19                             | (R-X) mm/dd/yy XXXXXXXX XXXXXX | City, CO Zip code                     | Void: mm/dd/yy         | Sheet Subset: XXXXXXXX     | Sheet Number: 1 of 1     |
| Detailer Initials: LTA                                       | (R-X) mm/dd/yy XXXXXXXX XXXXXX | Phone: XXX-XXX-XXXX Fax: XXX-XXX-XXXX |                        | Subset Sheets: XXX of XXX  | Project Sheet Number: XX |
| CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English | (R-X) mm/dd/yy XXXXXXXX XXXXXX | Region, Unit                          |                        |                            |                          |