

ASSEMBLY PROCEDURE – GABION BLANKET

- A. UNFOLD GABIONS FLAT ON THE GROUND STRETCH AS MUCH AS POSSIBLE MAKING SURE ALL CREASES ARE IN THE CORRECT POSITION FOR FRAMING THE CELLS. REMOVE ALL KINKS AND FOLDS, SEE DRG. No. SD 6-19-202. (FIGURE 1)
- B. LIFT THE END AND SIDE PANELS INTO A VERTICAL POSITION TO FORM A RECTANGULAR BOX WHICH CAN BE FILLED WITH ROCK FROM THE TOP WHEN IN POSITION. LACE ENDS AND DIAPHRAGMS TO THE SIDE PANELS WITH LACING WIRE, USING THE 2-1-2 LOOP LACING PATTERN (SEE FIGURE 2 AND LACING DETAIL).
- C. BEFORE FILLING WITH ROCK, TIGHTLY LACE ADJACENT GABIONS TOGETHER. SET EMPTY GABION UNITS TO PROPER LINE AND GRADE.
- D. LACE GABION BLANKETS TO FRONT OF GABION WALLS, WHEN REQUIRED, AT ALL BLANKET EDGES PRIOR TO FILLING GABION WALL BASKETS WITH ROCK. (SEE LACING DETAIL).
- E. WHEN A GABION IS COMPLETELY FILLED LACE THE LID TO THE ENDS, SIDES AND DIAPHRAGMS (SEE LACING DETAIL) LACING ADJACENT LIDS IN ONE OPERATION IS ACCEPTABLE.

ASSEMBLY PROCEDURE – GABION BASKET

- A. UNFOLD GABIONS FLAT ON THE GROUND STRETCH AS MUCH AS POSSIBLE MAKING SURE ALL CREASES ARE IN THE CORRECT POSITION FOR FORMING THE CELLS. REMOVE ALL KINKS AND FOLDS SEE DRG. No. SD 6-19-203, (FIGURE 1).
- B. LIFT THE FRONT, BACK, AND END PANELS IN TO A VERTICAL POSITION TO FORM A RECTANGULAR BOX, WHICH CAN BE FILLED WITH ROCK FROM THE TOP WHEN IN POSITION (SEE FIGURE 2). BEND THE FRONT PANEL SELVEDGE WIRE EXTENSIONS AND TOP TWICE ALONG THE TOP OF THE END PANELS. BEND THE END PANEL SELVEDGE WIRE EXTENSION AND LOOP TWICE ALONG THE TOP OF THE FRONT AND BACK PANELS. FASTEN THE VERTICAL EDGES WITH LACING WIRE, USING THE 2-1-2 LOOP LACING PATTERN (SEE FIGURE 2 AND LACING DETAIL). RAISE DIAPHRAGM PANELS AND LACE TO THE FRONT AND BACK PANELS WITH THE SAME LACING PATTERN.
- C. BEFORE FILLING WITH ROCK, TIGHTLY LACE ADJACENT GABIONS TOGTHET ALONG EACH SELVEDGE WIRE (SEE FIGURE 5 AND LACING DETAIL) SET EMPTY GABION UNITS TO PROPER LINE AND GRADE. FENCE STRETCHERS, COME-ALONGS, ETC, MAY BE USED TO STRETCH THE BASKETS AND HOLD ALIGNMENT DURING THE FILLING PROCESS.
- D. LACE GABION BLANKETS, WHEN REQUIRED, TO FRONT OF GABION WALLS AT ALL BLANKET EDGES PRIOR TO FILLING GABION WALL BASKETS WITH ROCK (SEE LACING DETIAL).
- E. INSTALL INTERNAL CONNECTING WIRES IN OUTSIDE AND CORNER CELLS (SEE FIGURE 3 AND 4 AND TIE DETAIL) INTERNAL CONNECTING WIRES ARE REQUIRED AT MIDPOINT OF THE DEPTH FOR 0.5M DEEP GABIONS. INTERNAL CONNECTING WIRES ARE NOT REQUIRED FOR 0.3M DEEP GABIONS. PLACE ROCK AND INTERNAL CONNECTING WIRES ALTERNATLY UNIT THE GABION IS FILLED.
- F. WHEN A GABION IS COMPLETELY FILLED, BEND THE LID OVER UNTIL IT MEETS THE ENDS AND FRONT, AND LACE THE LID TO THE ENDS, FRONT AND DIAPHRAGMS (SEE LACING DETAIL). LACING ADJECENT LIDS IN ONE OPERATION IS ACCEPTABLE.

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QCS Section:  
Section 6 - Road Works  
Part 19 - Miscellaneous

Drawing Title:  
GABIONS AND PROTECTION  
MATTRESS  
ASSEMBLY PROCEDURE

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