SANTA FE COUNTY – ARROYO JACONA BANK STABILIZATION PROJECT

Location: Off Santa Fe County Road 101-B. Go north of Santa Fe on US 285. Turn west on HWY 502 for approximately 1.4 miles, then take a right turn (north) on Dry Creek Road. That road quickly splits – go to the left. See Google map.

Approximate Date of Construction: June 2011

Number of bales / tires used: Approximately 590 bales

Design information: There are two tire bale structures. Each tire bale structure was reinforced with gabion baskets at the ends of the structures. After the structure was completed, concrete was placed over the tire bales and the gabion baskets. The structure will be painted with a sand color to blend in with the sand. Plans attached.

Cost: Construction cost $105,000.

Other information: NMED Recycling and Illegal Dumping Fund grant paid for construction.

Photos attached
General Notes

1. The bottom row shall be secured with 3/8" steel cable and steel anchors.

2. Steel anchors can be Railroad rails not weighing less than 110 lbs/ft.

3. Steel anchors are 2½ x 4½ x 7½.

4. 3/4" Standard strength galvanized steel pipe, or 4½ x 3/8" steel.

5. The three boxes shall be enclosed in double thick and non-rotating groups into place.

6. U-bolt cable clamps shall be crossly formed and closely spaced every 4 ft and attached to 3/8" steel cable.

7. Shuttering will have a minimum compressive strength of 3000 psi.

Typical section for the plates covered with shuttering.

Legend:
- Steel cable attached
- Glass fiber sheet
- Galv. steel anchors
- U-bolt cable clamps
- 1½" long steel anchor
- 3/8" steel cable attached

Typical section for the plates covered with shuttering.
425' Run

Typical Section for Fire Breaks Covered with Shotcrete

Structure 2
Anchorage Details

3/8" Steel Cable

1/2" Hole

4" Required

3/8" Steel Cable

Cable Clamps