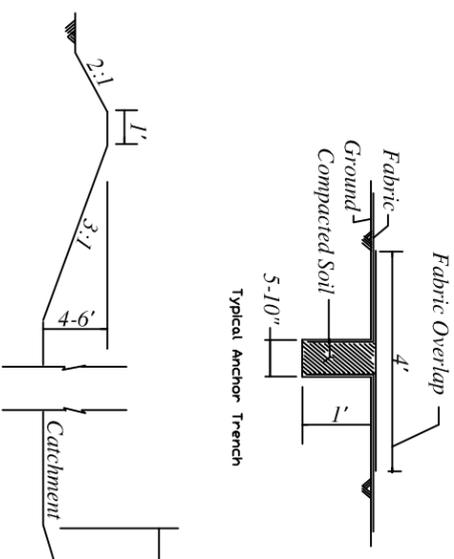
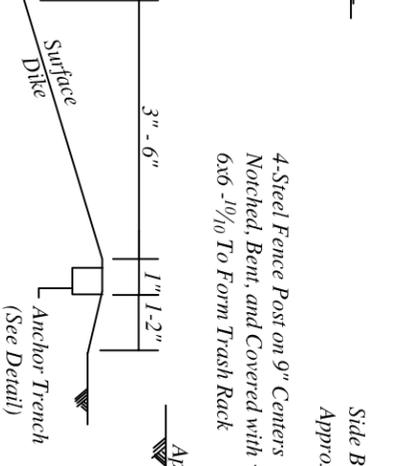


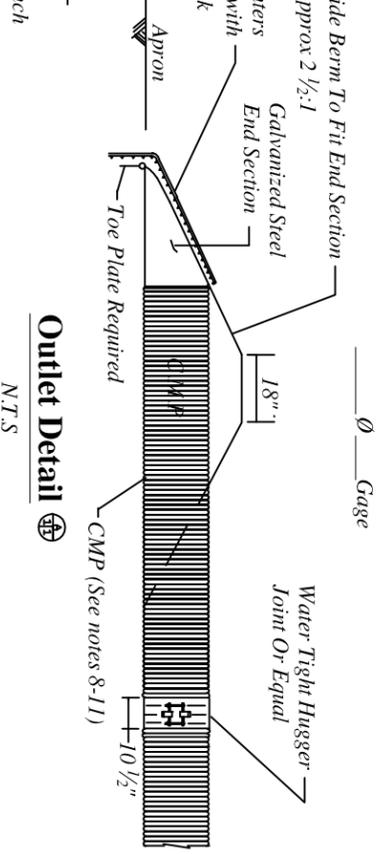
Typical Apron
N.T.S.



Typical Section (Upper Dike)
N.T.S.



Typical Section (Side Dike)
N.T.S.



Outlet Detail
N.T.S.

- Notes:
1. If apron length or width exceeds 100-feet, an anchor trench shall be installed in the middle of the apron or at 100-foot maximum intervals.
 2. Leave slack in the fabric for expansion. Minimum shall be 1% (1' per 100 feet) in both directions.
 3. The areas to receive latex-asphalt fiberglass shall be stabilized with bituminous material conforming to the requirements of AASHTO M 81, Grade RC-70. Application shall be at a temperature between 105°F and 185°F for RC-70 at a rate specified by the manufacturer, unless otherwise determined by the engineer.
 4. The fabric shall have a grab strength of 110lbs. (ASTM D-1682); puncture (tearing) strength of 60lbs (ASTM D-751); be resistant to ultraviolet radiation (sunlight), acids, and alkalis; be chemically compatible with asphalts; and not swell or wrinkle when coated. The fiber-binding agent shall be sufficiently water soluble to permit the fabric to conform to the catchment surface irregularities when pretreated with water or saturated with asphalt emulsion. The fabric shall be temperature stable with less than 1 percent shrinkage after placement on the catchment surface.
 5. The asphalt emulsion shall be a hydraulic foundation clay-based emulsion having a minimum of 48 percent solids and an added oxidation retardance.
 6. Fabric strips shall be 12' to 16' wide; installed with minimum overlap (shingling effect) of four inches.
 7. Install fence in accordance with NRCGS specification 382 Fencing.
 8. Design of catchment shall be in accordance with NRCGS Standard 636- Water Harvesting Catchment.
 9. All pipe and fittings shall be metallic zinc-coated and conform to the requirements of ASTM A742, A760, A761, A885, and A929. Any additional coatings shall conform to the requirements of ASTM A742, A760, and A929.
 10. Polymer-coated pipe, unless otherwise specified shall be coated on each side with a minimum thickness of 0.01 inches (10mils), designated as grade 10/10 in ASTM A762.
 11. Fittings shall be fabricated from steel conforming to ASTM A 742, A 849, A 875, and A 885.

REVISIONS		
DATE	APPROVED	TITLE
	JAA	

 Natural Resources Conservation Service United States Department of Agriculture	Arizona Drawing Template 636F – Water Harvesting Catchment Asphalt–Fabric Surfacing <i>Field Office</i> _____ <i>County, Arizona</i>	Date _____	
		Designed _____ Drawn _____ Checked _____ Approved _____	

Drawing No. AZ636F_10_03
Sheet of _____