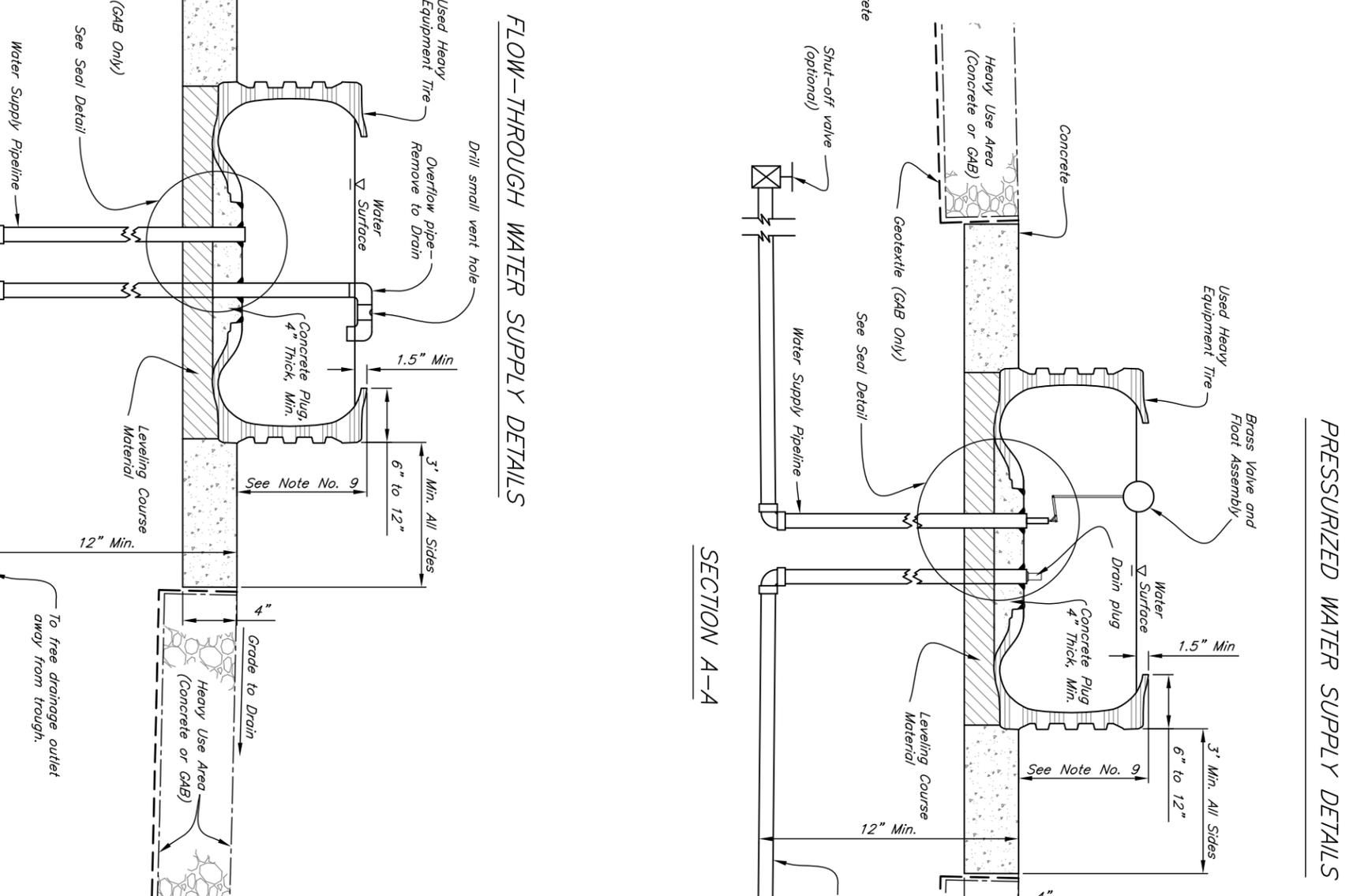
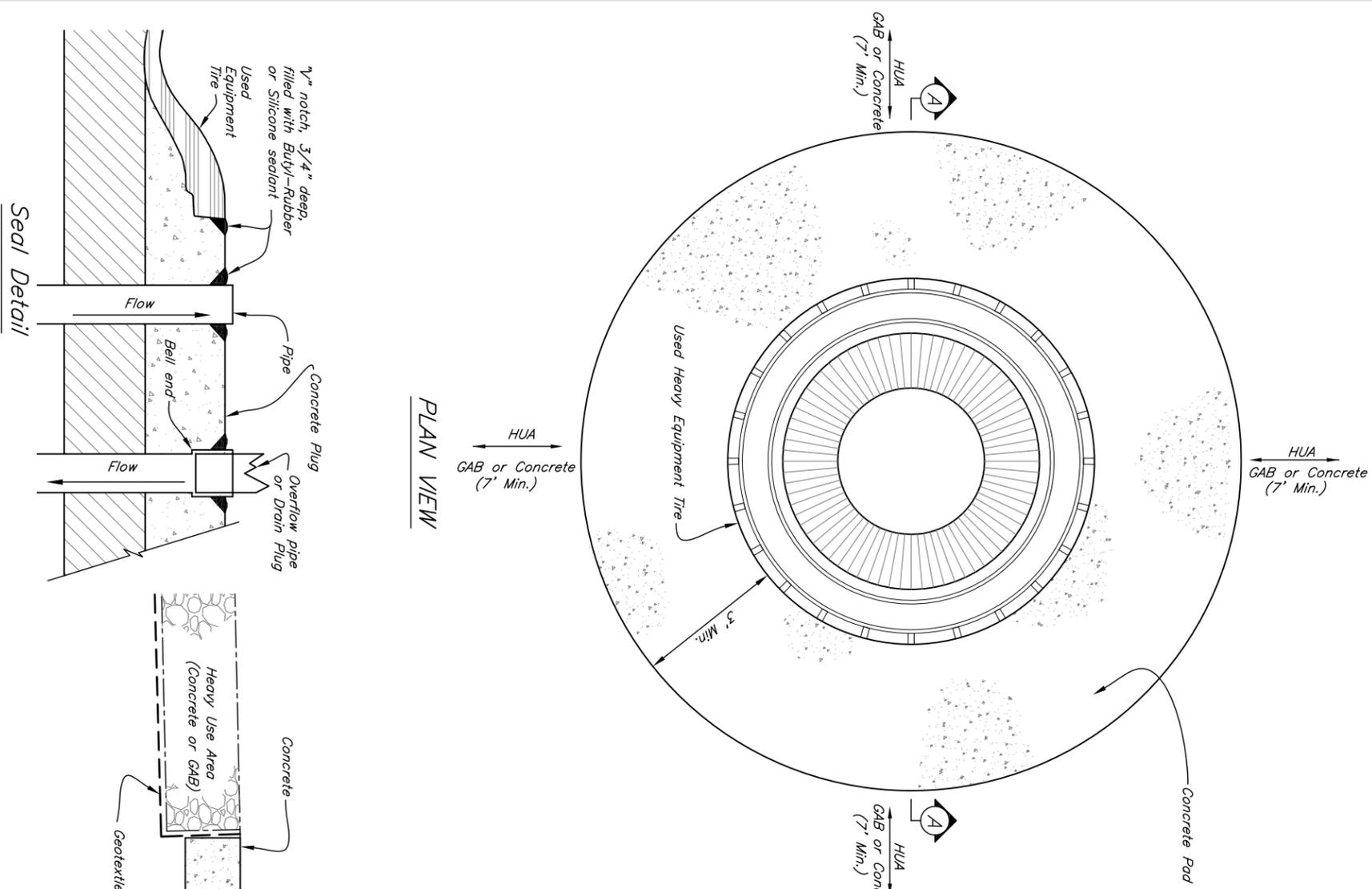


STANDARD DWG. NO:	AL-ENG-614-03
REV. DATE	5/13
SHEET	OF
ALABAMA STANDARD DRAWING WATERING FACILITY <b>TIRE WATERING TROUGH</b>	



(Details This Sheet Are Not To Scale)

**FLOW-THROUGH WATER SUPPLY DETAILS**

**PRESSURIZED WATER SUPPLY DETAILS**

**NOTES**

- 1) Used tire casing shall be free of cuts, rips and holes. The tire shall not be worn beyond tread depth. Cut away part of the tire sidewall on the side that will be the top of the trough.
- 2) It is the responsibility of the landowner/operator to determine that the tire is free of chemicals injurious to livestock. The landowner/operator is hereby cautioned that ingestion of rubber could jeopardize the health of the animal.
- 3) GAB - Graded aggregate base meeting gradation requirements in Conservation Practice Standard 561 - Heavy Use Area Protection.
- 4) A leveling course shall be used to fill around the pipes and provide a level, firm foundation for the trough. Material shall be sand, gravel or other suitable material. Place concrete in the center of the tire and work it under the edge. The concrete center plug must be constructed on a firm, well-compacted foundation. Form a "V" notch in the concrete (See Seal Detail) and smooth the surface.
- 5) After concrete is sufficiently dry, apply sealant to concrete/tire joint and around any center fill or overflow lines to ensure a water tight seal. Follow instructions on sealant container.
- 6) After sealant is cured sufficiently, fill the tire with water to a 1.5 inch depth above concrete to aid in the concrete curing process.
- 7) See AL-ENG-561-01 or AL-ENG-561-02 for details of layout and base construction materials.
- 8) Max. height of trough (tire width) is 30 inches for cattle or 12 inches for sheep and goats. Larger tire widths may be used if the tank is buried below grade to achieve proper tank height.
- 9) On soils having high shrink/swell properties (CH, MH), excavate at least one foot below the bottom of the concrete slab and backfill with compact sand, gravel or SC material.
- 10) To free drainage outlet away from trough.

 <p>Natural Resources Conservation Service United States Department of Agriculture</p>	DRAWING <u>TIRE WATERING TROUGH</u>	Date _____
	COOPERATOR _____	Designed _____
	JOB _____	Drawn _____
	LOCATION _____	Checked _____
	JOB CLASS _____	Approved _____

File Name  
SEE LEFT BORDER  
Drawing Name  
SAME AS FILE NAME  
Sheet \_\_\_\_\_ of \_\_\_\_\_