Date: _____

Pipeline Design Inventory

Producer: _____ Inventoried By: _____

County:_____ Designed By: _____

Animal Inventory

Kind or Class	Number (Current /Goal)	Weight (beginning if applicable)	Weight (Ending if applicable)
	/		
	/		
	/		
	/		
	/		

Tank Size

☐ Small mobile tank in paddock Number of Tanks _____ Size _____ gal.

☐ Large permanent tank Number of Tanks _____ Size _____ gal.

☐ Winter Waterer Number of Tanks _____

Water Delivery Period ☐6 hrs ☐8 hrs ☐12 hrs ☐16 hrs ☐24 hrs Other_____

How will the herd be managed? Will they be watering from multiple locations at the same time? ☐No ☐Yes

Comments _____

Water Source

☐ Existing Well Yield _____ GPM Elevation of Well _____

This well also supplies: ☐House (_____ bedroom, _____ bath) ☐ Barn

If well also supplies house, is a check valve already installed ☐ Yes ☐No

Will this well be adequate for adding a livestock pipeline ☐ Yes ☐No

☐ New Well ☐ Rural Water Connection

☐ Spring ☐ Other _____

☐ Flow meter reading(s) taken (see attached reading)

Pump ☐ Submersible ☐ Jet ☐ Windmill ☐ Solar ☐ Other _____

Existing Pump: Model _____ HP _____ New Pump: Model _____ HP _____

Pressure Tank ☐ Existing ☐ New Size of pressure tank _____ gallons

Location ☐ Pump house ☐ House ☐ Barn

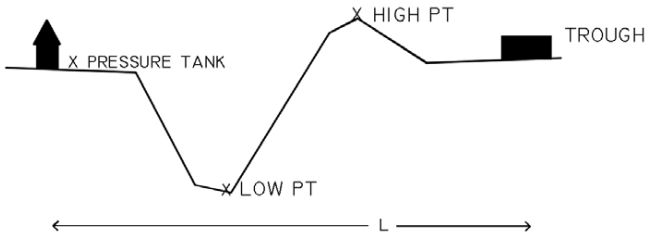
Existing Pressure switch setting: ☐ 20/40 psi ☐ 30/50 psi ☐ 40/60 psi ☐ 50/70 psi ☐ _____

Design Pressure switch setting: ☐ 20/40 psi ☐ 30/50 psi ☐ 40/60 psi ☐ 50/70 psi ☐ _____

Pipeline Design Inventory

Pipeline layout - use 2' Lidar Contours and aerial photo

Distance (**L**) to farthest watering point: _____ feet ☐ Surveyed ☐ Estimated from map
Elevation pressure tank: _____ feet
Elevation of high point (**High PT**): _____ feet ☐ ArcMap Profile Tool Used for profile elevations in design spreadsheet
Elevation of low point (**Low PT**): _____ feet



Pipeline

Planned Flow ☐ Pressure flow ☐ Gravity flow (requires on-site survey w/ laser level or VRS)

Planned Installation ☐ On ground - drain in fall Method of draining ☐ Air ☐ Gravity

☐ Shallow buried (6-18 inches) - drain in fall Method of draining ☐ Air ☐ Gravity

☐ Deep buried below frost line - year-round use

☐ Directional Boring

Future expansion/extension on planned pipeline ☐ Yes ☐ No ☐ Maybe If yes locate on the aerial photo

Pipe Dia. ☐ 1 inch ☐ 1 ½ inch ☐ 2 inch ☐ Other _____

Pipe Material ☐ PVC ☐ PE ☐ HDPE ☐ Other _____

Existing ☐ No ☐ Yes -If yes complete the following and locate them on the aerial photo

Flow ☐ Pressure flow ☐ Gravity flow

Installation ☐ On ground - drain in fall
☐ Shallow buried (6-18 inches) - drain in fall
☐ Deep buried below frost line - year-round use

Pipe Dia. ☐ 1 inch ☐ 1 ½ inch ☐ 2 inch ☐ Other _____

Pipe Material ☐ PVC ☐ PE ☐ HDPE ☐ Other _____

Additional Comments:

Engineering Job Approval Authority

Practice & Controlling Factor	Unit	Job Class