

PIPELINE DATA SHEET

Cooperator _____ Cons. District _____
 Field Office _____ Program I.D. (GP, 01) _____
 Location: Sec. _____ T. _____ R. _____ Field No(s). _____
 Designed by _____ Date _____ Approved by _____ Date _____

Design Data

Source of Water: Farm Pond _____ ; Artesian Well (pressure flow) _____ ; Artesian Well (pumped) _____ ; Shallow Well _____ ; Other _____
 If well: diameter _____ in. , depth _____ ft. , age _____ yrs. ,
 condition _____ , static water level _____ ft.,
 drawdown _____ ft. @ _____ gpm, well log attached (yes no)
 Temperature of water at source _____ °F (approximate).

Type of System: Gravity _____ ; Pressure _____
 If pressure, state maximum pressure at source _____ psi.

Pipe Data: Material _____ . If plastic (PE, PVC (Type 1 or 2), ABS) _____
 Percent working pressure due to temperature (if plastic) _____
 Design depth (minimum) _____

Pipe-line (no.)	Length (ft.)	Discharge (gpm)	Dia. (in)	Friction Loss (ft.)	Maximum 1/ Design Operating Head (ft.)	Minimum 1/ Design Operating Head (ft.)	Maximum 2/ Static Head		Pipe Pressure Rating (psi)
							(ft.)	(psi)	

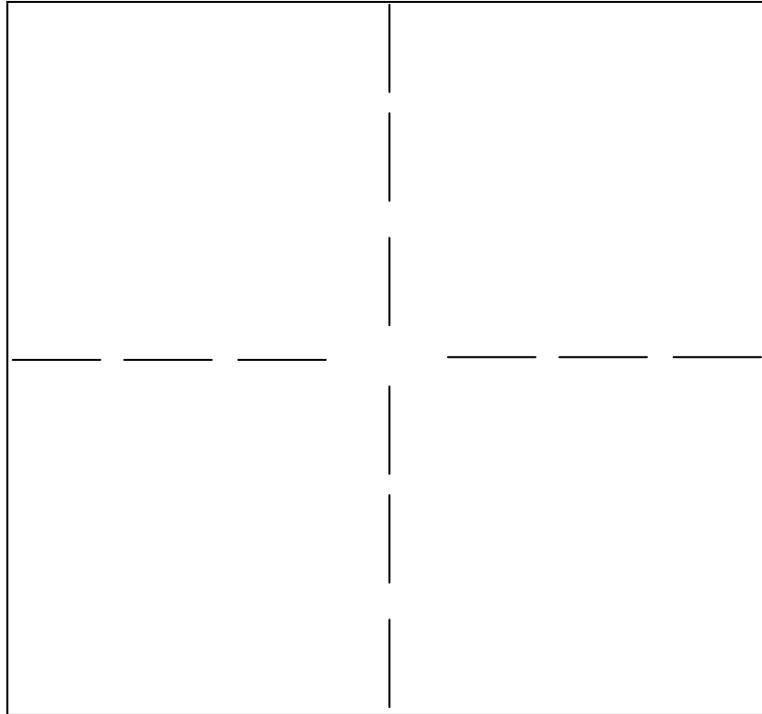
Minimum pumping H.P. = $\frac{\text{gpm} \times \text{total head } 3/}{3960 \times E_p \times E_m \times P_f}$ = _____ = _____

E_p = efficiency of pump, E_m = efficiency of motor, P_f = power factor (generally 94%)

Remarks:

- 1/ Measured from Hydraulic Grade Line (HGL) to centerline of pipe.
- 2/ Measured from static line to centerline of pipe
- 3/ In feet, including drawdown.

Notes: Plan view and profile pipeline(s) on standard sheets. Include ground, static, and hydraulic grade lines and location of pipeline appurtenances. List applicable material and construction specifications.



Location Map

Buried Utilities ____Yes____No

 Designed by Date

 Checked by Date

No changes in design shall be made without prior approval. Show changes made from original design in red on plan and profile sheet(s).

PIPELINE CHECKOUT

No.	Pipeline	Dia	Type	SDR	Pressure Rating	Lineal Feet	
	Sta. to Sta.					Design	Installed

Pipeline No.	Appurtenances (Type)	Design Location (Sta.)				Installed location (Sta.)			

Depth of cover over pipe _____ Pipe Mfg. Co. _____

Method Used to determine length: _____

 Layout by

 Date

 Checkout by

 Date