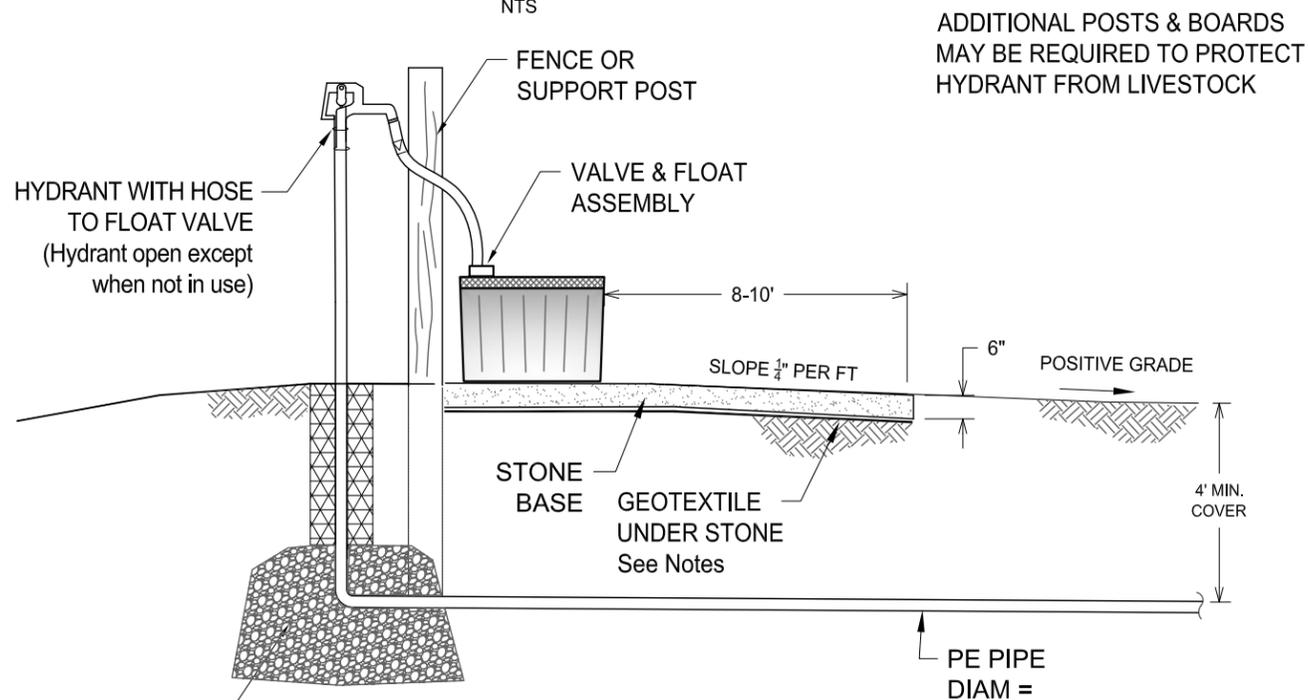


**SEASONAL WATERER  
PLAN VIEW**  
NTS



**SEASONAL WATERER  
ELEVATION VIEW**  
NTS

ADDITIONAL POSTS & BOARDS  
MAY BE REQUIRED TO PROTECT  
HYDRANT FROM LIVESTOCK

**HYDRANT & STOCK TANK NOTES:**

- Hydrant shall be frost-free and installed in accordance with manufacturer's recommendations to ensure proper drainage.
- Stock tank is for seasonal use and is to be drained prior to prolonged freezing conditions. Make and model as per Owner.
- Stock tank volume required is \_\_\_\_\_ gallons, minimum. Volume of stock tank is based on water refill rate. See Table.
- A water level control float is required unless the stock tank is large enough to meet the herd's daily water needs and is filled daily by the Owner.
- The float valve shall be capable of delivering \_\_\_\_\_ gpm at \_\_\_\_\_ psi.
- Number of watering spaces required per stock tank is \_\_\_\_\_ spaces. See Table. Rectangular tanks need 30 inches per space; Round tanks need 20 inches per space.
- See the trench details for pipeline specifications and backfill requirements.

STOCK TANK VOLUME	
Refill Rate	Volume
≤ 1 hour	2 gallons per head
≤ 4 hours	25% of daily herd needs
> 4 hours	100% of daily herd needs
Solar	200 - 300% of daily herd needs
STOCK TANK WATERING SPACES	
Distance to Water	Number of Spaces
≤ 900 feet	2 - 5% of herd size
> 900 feet	6 - 10% of herd size

**STONE PAD NOTES:**

- Stone for the pad shall be 3/4" quarried material with stone dust or enough fines to permit compaction and provide comfortable livestock footing. If clean stone is used, a surface layer of compacted stone dust is recommended.
- Geotextile under the stone is to be a non-woven material with a tensile strength of 120 psi and a puncture resistance of 60 lbs.

Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked \_\_\_\_\_  
Approved \_\_\_\_\_



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