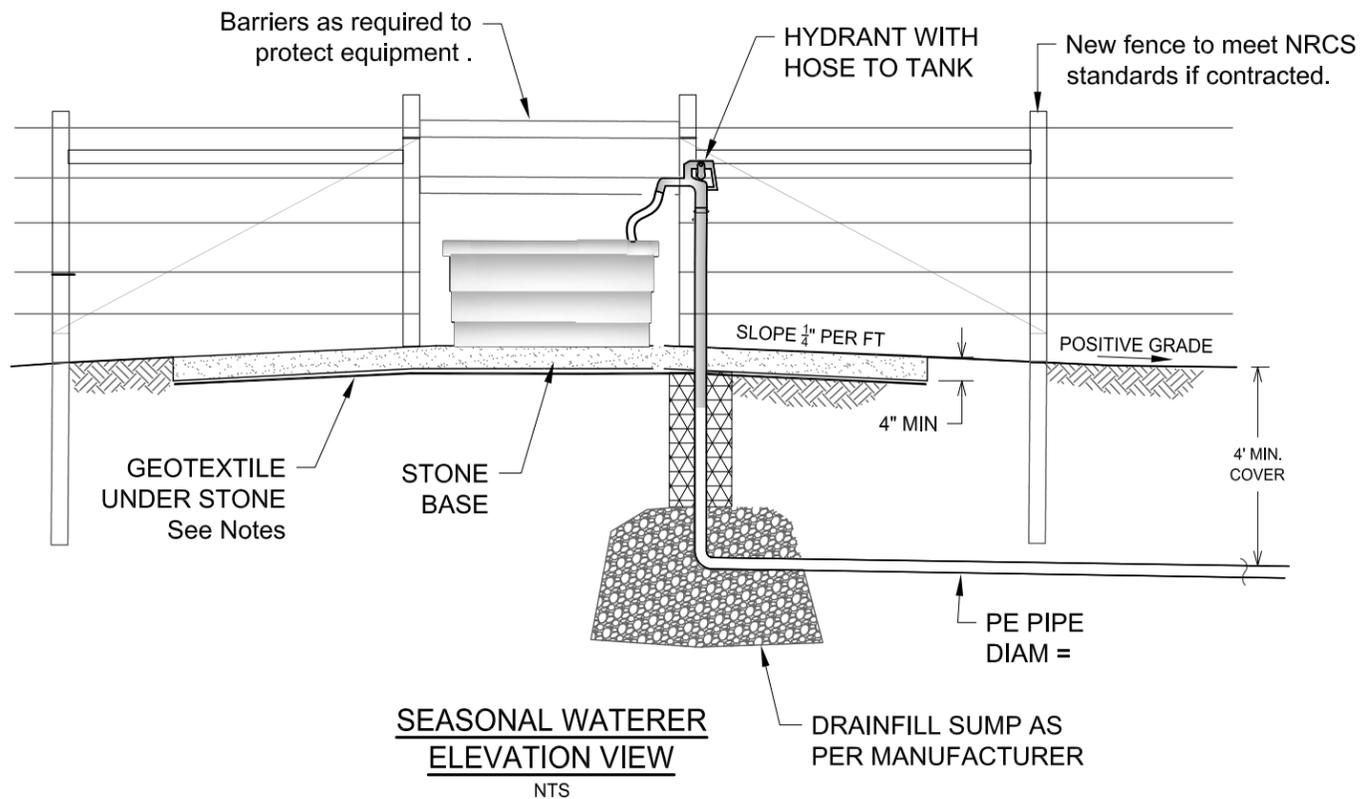


**SEASONAL WATERER
PLAN VIEW**
NTS



**SEASONAL WATERER
ELEVATION VIEW**
NTS

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 _____



File No. _____
 Drawing No. _____
 Sheet _____ of _____

Waterer-V2.14.dwg Cover\Plot xx/xx/14