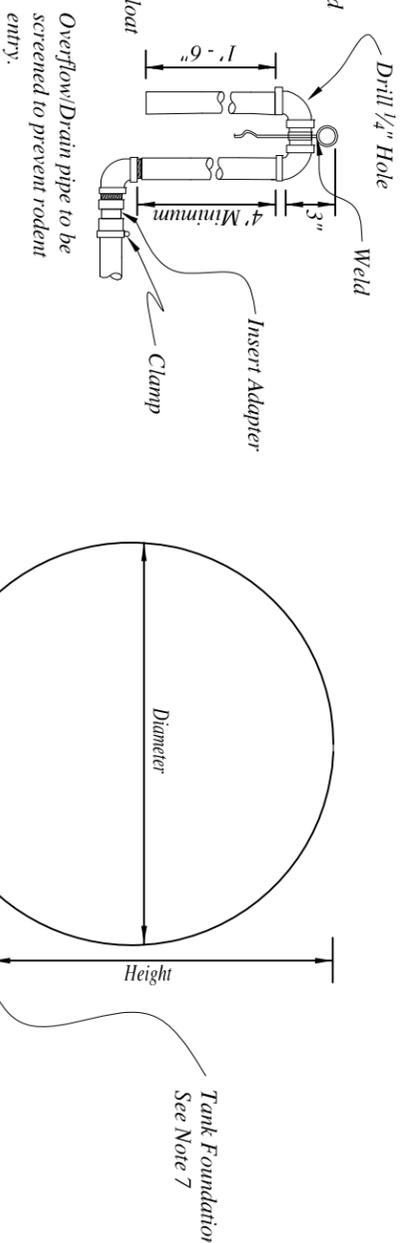


Front View

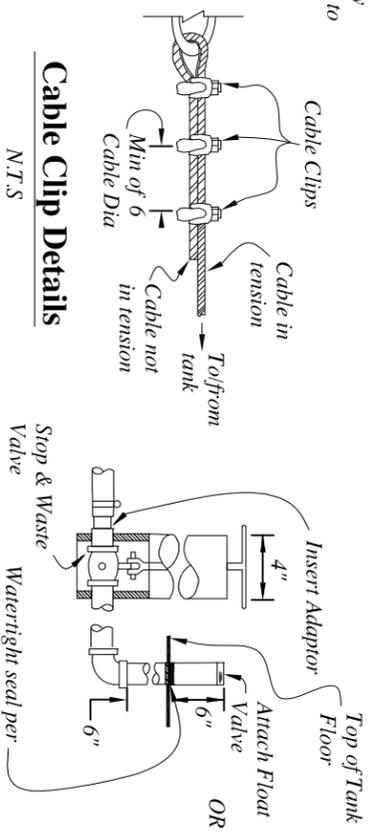


Overflow Detail (If Required)

N.T.S.

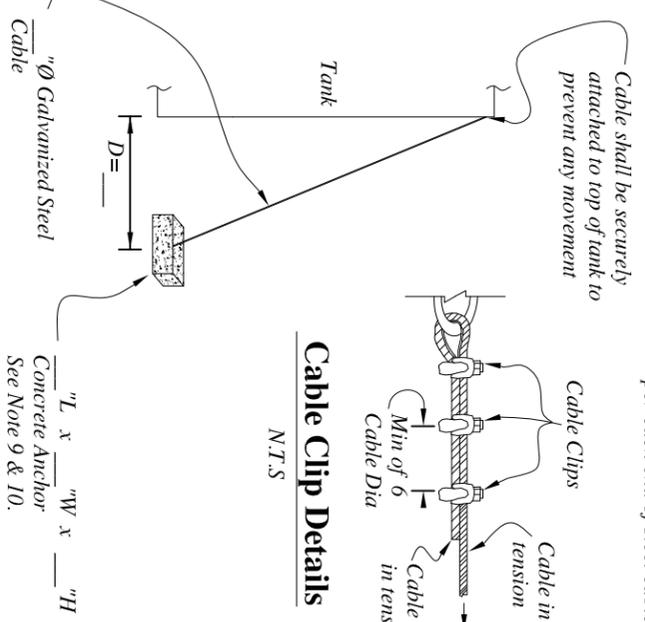
Typical Inlet Details

N.T.S.



Typical Anchoring Detail (Any Tank Over 8-feet)

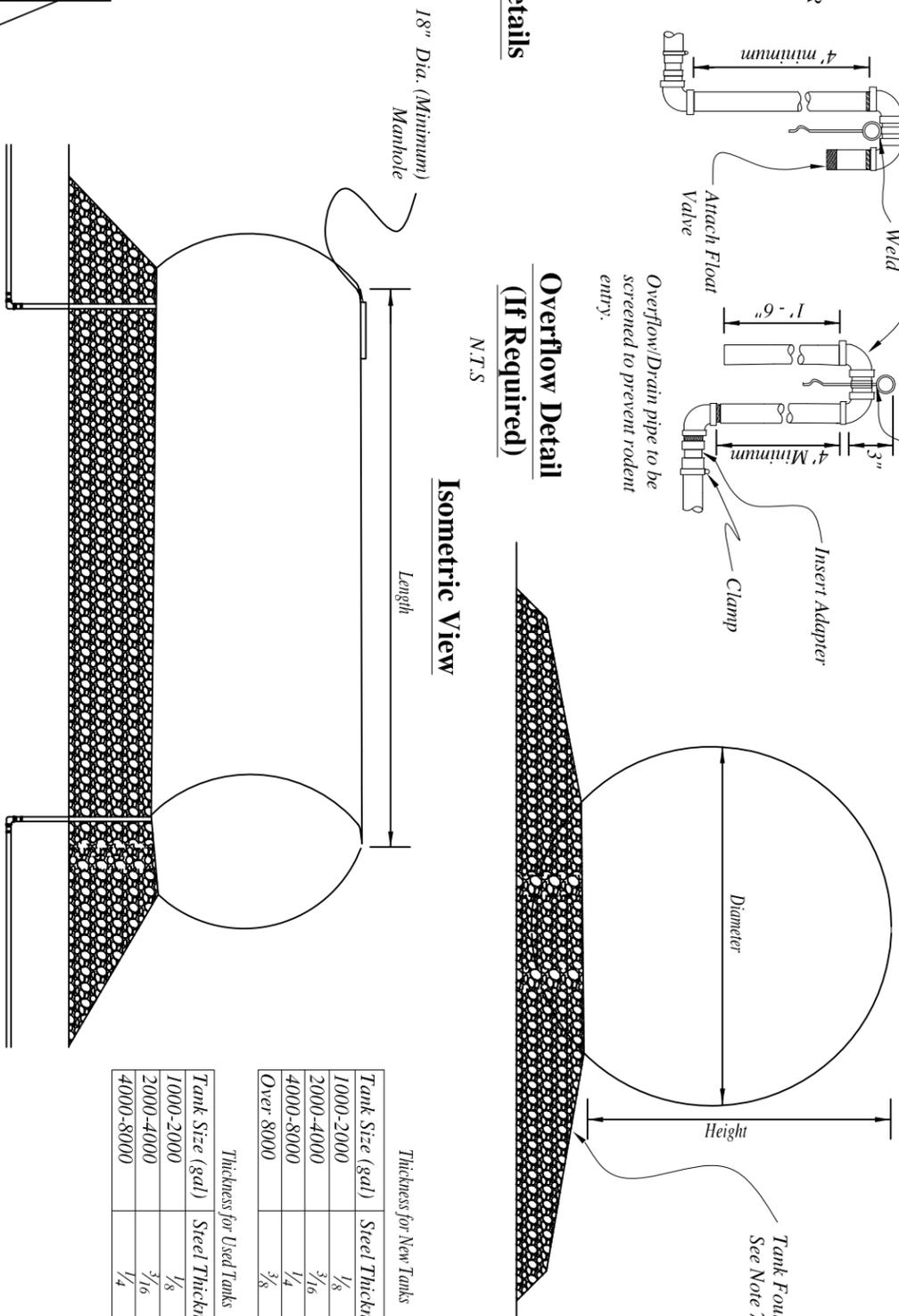
N.T.S.



Capacity: _____ Gal.
 Height: _____
 Length: _____
 Diameter: _____
 Wall Thickness: _____

Isometric View

N.T.S.



Thickness for New Tanks

Tank Size (gal)	Steel Thickness (in.)
1000-2000	1/8
2000-4000	3/16
4000-8000	1/4
Over 8000	3/8

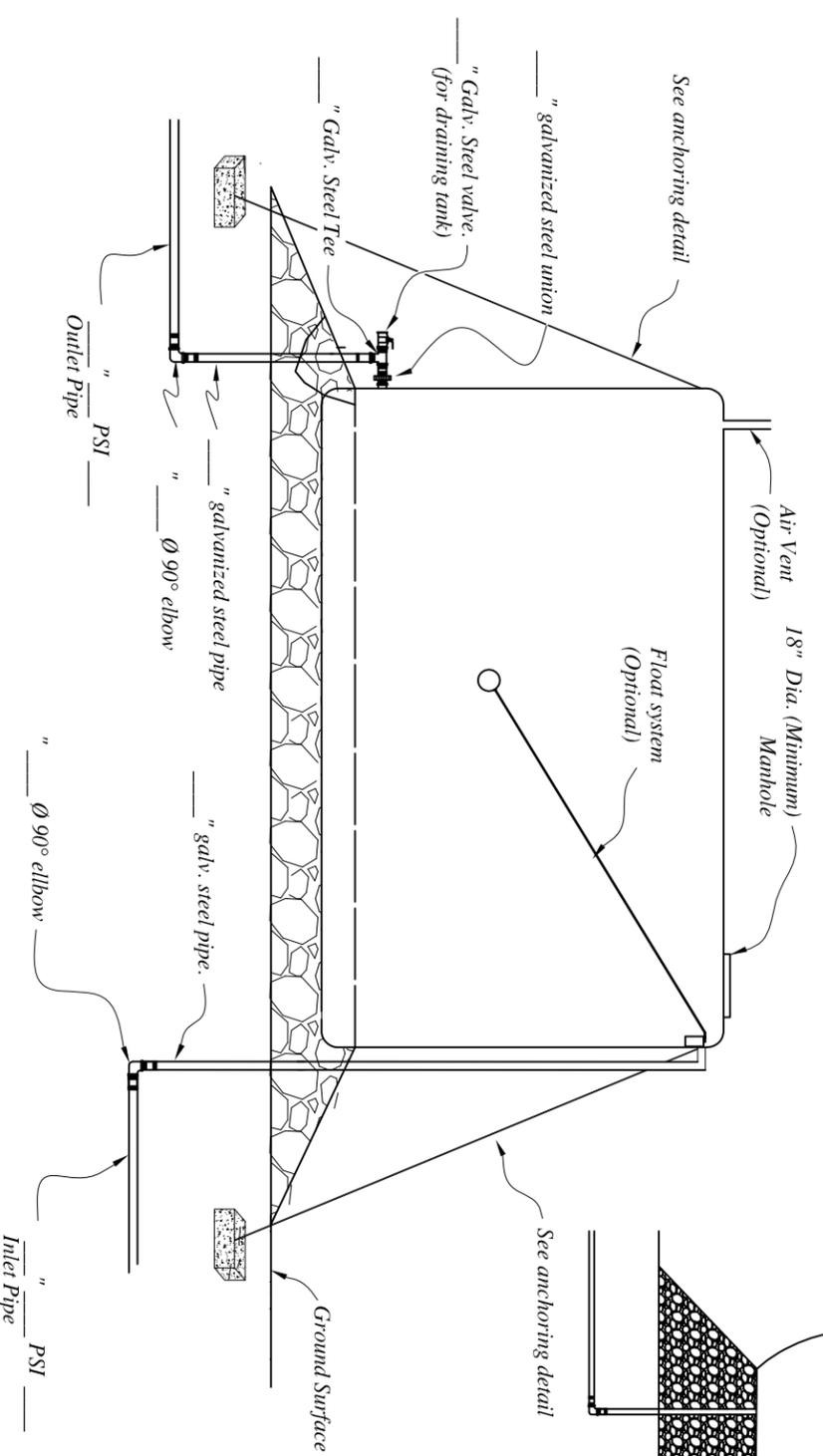
Thickness for Used Tanks

Tank Size (gal)	Steel Thickness (in.)
1000-2000	1/8
2000-4000	3/16
4000-8000	1/4

Notes:

1. Refurbished (Used steel gasoline storage) tanks can be very dangerous to work on, especially welding and cutting. Tanks shall be refurbished by a commercial tank refurbishing company. They shall be cleaned to bare metal (sand blasted, etc.) and coated with a manufacturer approved coating (epoxy, coal tar, or locally available product) suitable for potable water.
2. See table in drawing for wall thickness requirements.
3. The system is not designed to be operated in freezing weather. System shall be drained prior to start of freezing weather conditions.
4. All disturbed areas shall be smoothed and seeded with a recommended seeding mix after construction.
5. Storage tanks with covered tops shall have an 18-inch diameter (minimum) access manhole installed in the top and will have a drain and an overflow pipe (if applicable).
6. All above ground inlet, outlet, and overflow pipes that are exposed to sunlight, livestock or freezing shall be new galvanized steel pipe of adequate size to deliver the needed quantity of water. All valves shall be brass and of the correct size. All new tanks, troughs, piping and appurtenances shall be National Sanitary Foundation (NSF) approved.
7. Install permanent watering facilities on a firm, level foundation that will not settle differentially. Examples of suitable foundation materials are bedrock, compacted gravel, and stable, well compacted native soils.
8. Tanks may be partially buried on the ground or elevated as dictated by site conditions.
9. A trough or tank shall be adequately anchored so that it cannot be moved by livestock or wind, particularly when they are empty. Anchorage requirements will be designed for site specific conditions. Any tank over 8-feet in height shall be anchored to prevent movement from sliding or overturning.
10. Concrete anchors (3 or 4) shall be equally spaced with a minimum size of (L x W x H) as determined by the Tank Stability Analysis and Anchor Design spreadsheet.

Tank Placed Upright



REVISIONS

DATE	APPROVED	TITLE	JAA



Natural Resources Conservation Service
United States Department of Agriculture

Arizona Drawing Template
Used Steel Gasoline
Storage Tank – 614G

Field Office _____ County, Arizona

Date _____

Designed _____

Drawn _____

Checked _____

Approved _____

Drawing No. AZ614G_09_09
Sheet of _____