SAFETY REGULATIONS
AL EXCAVATION AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MARYLAND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MOSHA) STANDARDS AS SET FORTH IN THE LATEST VERSION OF THE CODE OF MARYLAND REGULATIONS

CONSTRUCTION NOTIFICATION
The Contractor is to notify the County Soil Conservation District at least two weeks prior to start of construction to facilitate any scheduling, coordination, or preliminary mobilization necessary to ensure proper construction inspection to be completed in a timely fashion.

GENERAL NOTES:
1. PLEASE CONTACT THE SOIL CONSERVATION DISTRICT AT PHONE # AT LEAST 3 DAYS PRIOR TO CONSTRUCTION TO ARRANGE A PRE-CONSTRUCTION MEETING.
2. A CONSERVATION TECHNICIAN SHALL SET CUT/GRADE STAKES AT THE CONTRACTORS REQUEST.
3. A CONSERVATION TECHNICIAN MUST BE PRESENT AT THE TIME OF PIPE INSTALLATION, IF REQUIRED.

GENERAL INFORMATION
1. This map was created in cooperation with the Maryland Soil Conservation Service and the Natural Resources Conservation Service for the named landowner.
2. The principles and practices of soil conservation are incorporated in the plans and specifications shown on this drawing.
3. The plans and specifications are subject to revision if necessary to meet the requirements of the Maryland Soil Conservation District (MDSCD) and the Maryland Department of Agriculture.
4. The plans and specifications are subject to revision if necessary to meet the requirements of the Maryland Soil Conservation District (MDSCD) and the Maryland Department of Agriculture.

CIRCUIT KIRKLAND (D.O.B.

MATERIALS LIST
* For bidding purposes only

OWNER/CONTRACTOR STATEMENT
I CERTIFY THAT THIS CONSTRUCTION HAS BEEN EXPLAINED TO ME TO THE SATISFACTION OF ALL GOVERNMENT ENTITIES AND ALL CONSTRUCTION WILL BE ACCORDING TO THESE PLANS AND SPECIFICATIONS.

USER TO ENTER SHEET NAMES

USER TO ENTER PRACTICES

REVISED 8/1/2019

LOCATION MAP

LANDOWNER - SITE NAME
614 WATERING FACILITY

OWNER/CONTRACTOR STATEMENT
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USER TO ENTER PRACTICES

REVISED 8/1/2019

LOCATION MAP

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REVISED 8/1/2019

LOCATION MAP

LANDOWNER - SITE NAME
614 WATERING FACILITY

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USER TO ENTER PRACTICES
GRAVITY FEED SYSTEMS

NOTES:
1. Above ground supply line to be determined during on-site review with landowner and Soil Conservation District.
2. All lines to have a 2% slope.
3. Choose tee for outlet to be 4" SCH 40. A resilient gasket must be installed on the tee.
4. Supply line to be 4" SCH 40 PVC pipe. Opening to be covered with a rodent guard as directed by the landowner.
5. Location of outlet, minimum 3' depth, must be 5' below ground level. Minimum 5" of #57 stone must be placed around the outlet. Also, a crown of 5" inches.
6. Collection box and trough pipes shall be 4" SCH 40 PVC pipe. All connections to be made with SCH 40 to S&D coupler (see detail below).
7. Collection box inlet pipe length shall be 4" SCH 40 pipe, capped w/ coupler.
8. All field openings to be backfilled with #57 stone or equal (must be clean/washed stone).

INSTALLATION NOTES:
1. Set trough on level ground. (No trenching required)
2. Take out 1/2" PVC inlet pipe. Use water level or string method to ensure level.
3. Set remaining pipes in concrete pad & trench for set up (see detail).
4. Cut concrete slab to fit trench. Use bar to clean trench.
5. Install stand pipe with concrete pad.
6.Fal consecutive concrete to allow for settling.
7. Use a watertight seal (use hydraulic cements & avoid pre-mixed cement).

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PRESSURE FEED SYSTEMS

CONSTRUCTION NOTE:
This standard detail is based on installation of a pressure-fed waterer. All troughs eligible for use must meet or exceed NRCS Practice Standard and Specifications for 614 trough or tank. All manufacturer’s recommendations and specifications shall be followed during installation, regardless of the specific trough purchased.

NOTES:
1. Exact location of supply line to be determined during construction by the landowner and soil conservation district.
2. When installing a pressure-fed trough, a minimum 3000 psi with 6% air entrainment and a slump of 3-5 inches.
3. Water supply line may be 1" or 1 1/2" diameter solid tubing or manufacturer’s Insulated heat tube (min. Class SE).
4. Min. 12" depth for supply line.
5. All concrete to be a minimum 3500 psi with 5% air cover of concrete on all sides and 2% Slope to assure positive drainage.
6. Diamond grade concrete pad or concrete pedestal (optional).
7. Fill groove with sand cement grouting.

INSTALLATION NOTES:
This standard detail is based on installation of a pressure-fed waterer. All troughs eligible for use must meet or exceed NRCS Practice Standard and Specifications for 614 trough or tank. All manufacturer’s recommendations and specifications shall be followed during installation, regardless of the specific trough purchased.

Installation notes:
1. Place trough to be positioned on concrete pad as determined during construction by the landowner and soil conservation district.
2. Min. 12" depth for supply line.
3. Concrete apron must have 6 gauge 6"x6" Welded Wire with 6GA 6"x6" Welded Wire mesh (WWM) with minimum 2" cover (see detail).
4. Filter cloth or equal 34" wide with a minimum 5" overlap in all directions.
5. All concrete to be a minimum 3500 psi with 5% air cover of concrete on all sides and 2% Slope to assure positive drainage and spread spoil as directed by landowner.

MATERIALS STANDARDS FOR PRESSURE FEED SYSTEMS

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NOTE:
FOLLOW SPECIFIC INSTALLATION INSTRUCTIONS FROM THE MANUFACTURER OR THE PARTICULAR BRAND TYPE OF TROUGH

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