Construction Notes:

1.Install all pipelines according to the Virginia Pipeline Conservation Practice Standard (516), and Virginia Construction Specification Plastic (PVC, PE) Pipe (VA–745).

2.All pipelines shall be installed a minimum of two feet in the ground, if possible. Where not possible the pipeline shall be protected from freezing and crushing.

3.The pipe trench shall be free of loose rocks before installing the pipeline. In rocky soils, bed the pipe in selected material free of rocks 3 inches or larger. The pipeline shall be pressure tested at the working head. Repair any leaks and repeat the test. All fill for underground pipes shall be compacted to the degree required to prevent caving after construction.

4.All pipelines with gravity flows shall be graded using a surveyors level to prevent low places in the pipelines. Low places in the pipeline will cause the pipeline to air lock and not flow.

5.Install cutoff valves near the source of the water and near any tees in the pipeline to allow control of water flows. Enough valves shall be installed in the line to regulate flows through the pipeline. Valves should be installed in housing that are weather proof, well drained, and easily accessible. They must also be protected from livestock. High quality ball valves are recommended. Valves installed in the field may be housed in water–meter boxes, concrete casing, or other suitable housing.

6.Install a backflow preventer to prevent flow back into the well from any watering facilities.

7.Seed all disturbed areas at the rates given in Virginia Construction Specification VA–706. Seeding: page VA–706–3

* If seeding is done outside recommended seeding dates, a nurse crop is to be used.

Estimated Materials Quantities

Quantity	Unit	Item

Pipeline Profile

Scale:

Horizontal 1"=_____
Vertical 1"=_____

Date

Designed

Drawn

Checked

Approved

Project Name

Landowner

Tract#

County

, Virginia

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

File Name

Drawing Name

Sheet of

VIRGINIA ENGINEERING STANDARD DRAWING

/s/
Mathew Lyons, SCE

Standard Drawings shall NOT be altered without State Conservation Engineer Approval

STANDARD DWG NO. VA–SO–901–Pipeline

DATE 10/05

SHEET 1 OF 1