

**Practice: 516 - Livestock Pipeline**

**Scenario # 1 2 inches or less buried by LF**

**Scenario Description: Actual Scenario # 1**

**New York**

Buried pipeline is installed using PE or equivalent pipe. Pipe size is 2 inches or less and site soils allow for normal excavation. (I.e., soils are not clayey and depth of soil is adequate for burying pipeline to a frost-free depth.) Construct 1000 feet of 1.5 -inch, Schedule 40, PVC Pipeline with appurtenances. The scenario unit is linear feet of pipe. Appurtenances include: couplings, fittings, thrust blocks, gate valves (2), air release valves (2), drain valve (1), and pressure relief valve (1), and are included in the cost of pipe material (additional 10% of pipe material quantity). Revegetation is not included. Resource Concerns: Inadequate Livestock Water, Inefficient Energy Use. Associated Practices: Critical Area Planting (342), Fence (382), Prescribed Grazing (528), Pumping Plant (533), Spring Development (574), Watering Facility (614), and Water Harvesting Catchment (636).

**Before Practice Situation:**

Water supplies need to be conveyed through pipelines for use by livestock or wildlife.

**After Practice Situation:**

Pipeline(s) convey and/or distribute water to storage and/or watering facilities, for use by livestock or wildlife.

**Scenario Feature Measure:**

Linear foot of pipe

<b>Scenario Typical Size:</b>	1000	Linear Foot	Tot Unit Cost	\$2.78
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Pipe, PVC, dia. < 18", weight priced	551	Pound	\$1.43	\$787.93
Equip./Install.	Trenching, Pipeline Plowing	1000	Foot	\$1.22	\$1,220.00
Labor	General Labor	9	Hour	\$23.16	\$208.44
Mobilization	Mobilization, medium equipment	2	Each	\$282.78	\$565.56

Total Cost: \$2,781.93

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$2.09	EQIP-HU	\$2.50
WHIP	\$0.00	WHIP-HU	\$0.00

**Practice: 516 - Livestock Pipeline**

**Scenario # 2 Over 2 inches, buried by LF**

**New York**

**Scenario Description: Actual Scenario # 2**

Buried pipeline is installed using PE or equivalent pipe. Pipe size is over 2 inches in diameter and site soils allow for normal excavation. (I.e., soils are not clayey and depth of soil is adequate for burying pipeline to a frost-free depth.) Construct 1000 feet of 4 -inch, Schedule 40, PVC Pipeline with appurtenances. The scenario unit is linear feet of pipe. Appurtenances include: couplings, fittings, thrust blocks, gate valves (2), air release valves (2), drain valve (1), and pressure relief valve (1), and are included in the cost of pipe material (additional 10% of pipe material quantity). Revegetation is not included. Resource Concerns: Inadequate Livestock Water, Inefficient Energy Use.

Associated Practices: Critical Area Planting (342), Fence (382), Prescribed Grazing (528), Pumping Plant (533), Spring Development (574), Watering Facility (614), and Water Harvesting Catchment (636).

**Before Practice Situation:**

Water supplies need to be conveyed through pipelines for use by livestock or wildlife.

**After Practice Situation:**

Pipeline(s) convey and/or distribute water to storage and/or watering facilities, for use by livestock or wildlife.

**Scenario Feature Measure:**

Linear feet of pipe

<b>Scenario Typical Size:</b>	1000	Linear Foot	Tot Unit Cost	\$5.34
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Pipe, PVC, dia. < 18", weight priced	2178	Pound	\$1.43	\$3,114.54
Equip./Install.	Trenching, Earth, 12" x 48"	1000	Foot	\$1.45	\$1,450.00
Labor	General Labor	9	Hour	\$23.16	\$208.44
Mobilization	Mobilization, medium equipment	2	Each	\$282.78	\$565.56
				<b>Total Cost:</b>	<b>\$5,338.54</b>

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$4.00	EQIP-HU	\$4.80
WHIP	\$0.00	WHIP-HU	\$0.00

**Practice: 516 - Livestock Pipeline**

**Scenario # 3 2 inches or less on surface by LF**

**Scenario Description: Actual Scenario # 3**

**New York**

Surface pipeline is installed using PE or equivalent pipe. Pipe size is 2 inches or less. Construct 1000 feet of 1.5 - inch, PE Pipeline with appurtenances. The scenario unit is linear feet of pipe. Appurtenances include: couplings, fittings, thrust blocks, gate valves (2), air release valves (2), drain valve (1), and pressure relief valve (1), and are included in the cost of pipe material (additional 10% of pipe material quantity). Revegetation is not included. Resource Concerns: Inadequate Livestock Water, Inefficient Energy Use.

Associated Practices: Critical Area Planting (342), Fence (382), Prescribed Grazing (528), Pumping Plant (533), Spring Development (574), Watering Facility (614), and Water Harvesting Catchment (636).

**Before Practice Situation:**

Water supplies need to be conveyed through pipelines for use by livestock or wildlife.

**After Practice Situation:**

Pipeline(s) convey and/or distribute water to storage and/or watering facilities, for use by livestock or wildlife.

**Scenario Feature Measure:**

Linear foot of pipe

<b>Scenario Typical Size:</b>	1000	Linear Foot	Tot Unit Cost	\$1.22
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Materials	Pipe, PE, 1 ¼", DR 9	1000	Foot	\$1.03	\$1,030.00
Labor	General Labor	8	Hour	\$23.16	\$185.28

Total Cost: \$1,215.28

**Payment types:**

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$0.91	EQIP-HU	\$1.09
WHIP	\$0.00	WHIP-HU	\$0.00