

**Practice: 462 - Precision Land Forming**

**Scenario # 1 Low Shaping**

**Scenario Description:**

**Louisiana**

The land surface is shaped or leveled to a specific elevation and grade for various land uses. Cuts and fills are small. The resource concerns are EXCESS / INSUFFICIENT WATER -( Ponding, Flooding) and SOIL EROSION -(Sheet, Rill)

**Before Practice Situation:**

The field has minor topographic issues or problems with surface drainage or erosion which can be corrected without land leveling or land smoothing. Site conditions require attention to elevation and grade. Typical situation is a 40 acre field. Material to be moved and or placed typically is between 60 - 124 cubic yards per acre.

**After Practice Situation:**

Land has been shaped to the required elevations and grades. Resource concerns have been treated. Associated practices, like plantings or drainage water management practices, would be contracted seperately as needed.

**Scenario Feature Measure:**

Volume of Earth Moved

<b>Scenario Typical Size:</b>	3680	Cubic Yard	Unit Cost	\$1.93
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Scraper, pull, 15 CY	36	Hour	\$19.19	\$690.84
Equip./Install.	Tractor, agricultural, 360 HP	36	Hour	\$138.20	\$4,975.20
Labor	Equipment Operators, Heavy	36	Hour	\$25.62	\$922.32
Mobilization	Mobilization, large equipment	2	Each	\$249.71	\$499.42
				Total Cost:	\$7,087.78

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**Scenario # 2 Medium Shaping**

**Scenario Description:**

**Louisiana**

The land surface is shaped or leveled to a specific elevation and grade for various land uses. Cuts and fills are small. The resource concerns are EXCESS / INSUFFICIENT WATER -( Ponding, Flooding) and SOIL EROSION -(Sheet, Rill)

**Before Practice Situation:**

The field has minor topographic issues or problems with surface drainage or erosion which can be corrected without land leveling or land smoothing. Site conditions require attention to elevation and grade. Typical situation is a 40 acre field. Material to be moved and or placed typically is between 125 - 200 cubic yards per acre.

**After Practice Situation:**

Land has been shaped to the required elevations and grades. Resource concerns have been treated. Associated practices, like plantings or drainage water management practices, would be contracted seperately as needed.

**Scenario Feature Measure:**

Volume of Earth Moved

<b>Scenario Typical Size:</b>	6500	Cubic Yard	Unit Cost	\$1.43
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Scraper, pull, 15 CY	48	Hour	\$19.19	\$921.12
Equip./Install.	Tractor, agricultural, 360 HP	48	Hour	\$138.20	\$6,633.60
Labor	Equipment Operators, Heavy	48	Hour	\$25.62	\$1,229.76
Mobilization	Mobilization, large equipment	2	Each	\$249.71	\$499.42
				Total Cost:	\$9,283.90

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**Scenario # 3 High Shaping**

**Scenario Description:**

**Louisiana**

The land surface is shaped or leveled to a specific elevation and grade for various land uses. Cuts and fills are small. The resource concerns are EXCESS / INSUFFICIENT WATER -( Ponding, Flooding) and SOIL EROSION -(Sheet, Rill)

**Before Practice Situation:**

The field has minor topographic issues or problems with surface drainage or erosion which can be corrected without land leveling or land smoothing. Site conditions require attention to elevation and grade. Typical situation is a 40 acre field. Material to be moved and or placed typically is between 201 - 250 cubic yards per acre.

**After Practice Situation:**

Land has been shaped to the required elevations and grades. Resource concerns have been treated. Associated practices, like plantings or drainage water management practices, would be contracted seperately as needed.

**Scenario Feature Measure:**

Volume of Earth Moved

<b>Scenario Typical Size:</b>	9020	Cubic Yard	Unit Cost	\$1.60
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Scraper, pull, 15 CY	76	Hour	\$19.19	\$1,458.44
Equip./Install.	Tractor, agricultural, 360 HP	76	Hour	\$138.20	\$10,503.20
Labor	Equipment Operators, Heavy	76	Hour	\$25.62	\$1,947.12
Mobilization	Mobilization, large equipment	2	Each	\$249.71	\$499.42
				Total Cost:	\$14,408.18