



Details:

Stormwater pipe has joint separation inside the pipe and separation from both the flared end section and headwall. The pipe shows signs of corrosion and is out of round.



Details:

72" metal pipe – Beaver dam and 4 ft. water (pictured on right side)



Project:	130 Matthew Way	Page 1
Date:	July 17, 2018	



Photo 1:

Mathew Way



Photo 2:

Photo Date:

5/21/2013

Taken By:

David King

Page:

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Photo 3:



Photo 4:

Mathew Way

Photo Date:

5/21/2013

Taken By:

David King

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Roadway Construction, Utility Relocation and ROW Quantity Calculations

Roadway Construction	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$ 0.73	\$ 4.87	400.00	\$ 2,242.13
Curb and Gutter (LF)	\$ 28.56	\$ 30.60	40.00	\$ 2,366.40
Drain Inlet (EA)		\$ 3,000.00	0.00	\$ -
4" Sidewalk (SY)	\$ 13.56	\$ 36.90	0.00	\$ -
Guardrail (LF)	\$ 4.88	\$ 49.09	0.00	\$ -
End Anchorage (EA)		\$ 1,380.00	0.00	\$ -
Subtotal				\$ 4,608.53

Grading Complete (5% of Rwy Items & Drng Total \$) \$ 10,314.95

Roadway Total \$ 14,923.48

Drainage	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)		\$ 10.38	651.85	\$ 6,766.22
72" CMP (LF)	\$ 54.00		120.00	\$ 19,440.00
72" RCP		\$ 390.00	0.00	\$ -
Class A Conc (CY)		\$ 892.19	159.95	\$ 142,705.47
Steel (lb)		\$ 1.42	17,018.00	\$ 24,097.49
Pipe Bedding (CY)		\$ 48.60	60.70	\$ 2,950.02
Trench Backfill (CY)		\$ 2.99	709.67	\$ 2,120.50
Trench Compaction (CY)		\$ 6.36	567.74	\$ 3,610.80

Drainage Total \$ 201,690.50

Signing and Marking	Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)	\$ 0.71	0.00	\$ -

Signing and Marking Total \$ -

Staging	Installation Unit Cost	Amount	Total Cost
Clearing and Grubbing (Acre)	\$ 10,260.00	0.10	\$ 1,026.00
Temporary Pavement			\$ -
Temporary Drainage (Stream Diversion)	\$ 4,428.00	1.00	\$ 4,428.00

Staging Total \$ 5,454.00

Erosion Control	Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)	\$ 4.39	133.33	\$ 585.60
Temporary Grassing (AC)	\$ 855.60	0.00	\$ -
Type C Silt Fence (LF)	\$ 4.24	320.00	\$ 1,355.52
Check Dam Type C Silt Fence (LF)	\$ 6.79	320.00	\$ 2,173.44
Erosion Control Mats (SY)	\$ 1.87	106.67	\$ 199.68
Landscape Mulch (SY)	\$ 3.58	106.67	\$ 381.44
Perm Grassing (AC)	\$ 1,402.20	0.00	\$ -
Rip Rap Type 3 12" (SY)	\$ 60.98	53.33	\$ 3,252.48
Plastic Filter Fabric (SY)	\$ 5.72	53.33	\$ 305.28
4" Ditch Paving (SY)	\$ 54.65	0.00	\$ -

Erosion Control Total \$ 8,253.44

Construction Cost Total \$ 230,321.42

Traffic Control (8% of Construction Total \$) \$ 18,425.71

Construction Cost Grand Total \$ 248,747.14

Utility Relocation	Removal Unit Cost	Installation Unit Cost	Amount	Total Cost
Electric				
Aerial	\$ 11.00	\$ 55.00		\$ -
Buried	\$ 16.50	\$ 82.50	50.00	\$ 4,950.00
Wooden Pole	\$ 82.50	\$ 605.00	1.00	\$ 687.50
Phone				
Aerial	\$ 11.00	\$ 27.50		\$ -
Buried	\$ 16.50	\$ 55.00	50.00	\$ 3,575.00
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Cable				
Aerial	\$ 11.00	\$ 27.50		\$ -
Buried	\$ 16.50	\$ 55.00	50.00	\$ 3,575.00
Wooden Pole	\$ 82.50	\$ 605.00		\$ -
Gas				
4" main	\$ 16.50	\$ 66.00		\$ -
Water				
8" main	\$ 16.50	\$ 93.50	50.00	\$ 5,500.00
Relocate Fire Hydrant (EA)		\$ 2,609.22		\$ -
Sewer			0.00	\$ -
12" main	\$ 16.50	\$ 82.50	0.00	\$ -
Utility Relocation Total				\$ 18,287.50

Right of Way (Sq Ft)	Cost/ Sq Ft	Sq Ft	Total Cost
Permanent Easement	\$ 4.00	2,100.00	\$ 8,400.00
ROW Total			\$ 8,400.00