



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)



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	Date:	July 17, 2018	1	

General In	formation		Мар		
Project ID		Alection			
Street Name	130 Mathew Way				
Site Visit Date	5/22/13		/////		
Road Classification	Internal Local	5 Thenton Dr			
Project	Notes				
Urban typical with Curb and Gutter					
		8	X a Ven		
		11			
		3.30			
		To Bue	Y RILA V		
Field N		We they			
Design (Existing		5.mbrosn.Ro			
Existing Road Laneage Existing ShId Width (paved and g	2-10' grass) (feet) 6'	5-	NeelyRd		
Existing Side Slopes	Flat		$\int \left(\right) $		
Existing Guardrail	None	Crack View Tr	Poercha Bobens Rd		
Depth fm Pavement to Top of Cu		Bartinu Di	I.V.		
Pipe Type and Size	72" CMP	Joana Dr	() Naasa 5		
Pipe Condition (1-5) (1 is new)	4		hine-galk May		
Condition Notes: Pipe separated fro		address of the second	OBK.Rd		
road		and the	eag V		
		/ K . M			
Pavement Type/Condition	Asphalt/Good				
			Construction Options		
Environment		Close Location to Traffic	-		
Wetlands	Yes	Maintain One Lane - No			
Ditches	None	Maintain One Lane - Ter			
		Stage Construction Notes	5:		
	al Inspection)				
Utilities (Visua Electric	Buried				
Cable	Buried				
Phone	Buried				
Gas	20.00				
Water	Buried				
Sewer					
Other	Street Light above structure				
	Propose	d Design			
Roadway Section					
-	dbl 0' y 4' boy concrete 00' la vet		I removal is aqual to half of removing		
Culvert Size & Material	abl 9' x 4' box, concrete, 80' length	i. Assuming cost of neadwal	I removal is equal to half of removing		
		ric cable phone water App	lying cost of electric utility wooden pole		
Utility Relocations	remove street light.	, 202.0, priorio, water. App	been a soon o anny woodon por		
Quandaril Davida					
Guardrail Replacement					
Miscellaneous Features					
	Planning C	ost Estimate			
Туре	Notes		Total		
Design	Includes 10% Construction Cost and surveying needs		\$37,375		
Right of Way Cost	Assuming project extends 2		\$8,400		
Utility Relocation Cost	Buried util		\$18,288		
Construction Cost	Assuming 1/10 acre clea		\$248,747		
Environmental Permits	Assuming minimal environme	ntal permitting required	\$10,000		
	Total PI	anning Estimate	\$322,809		



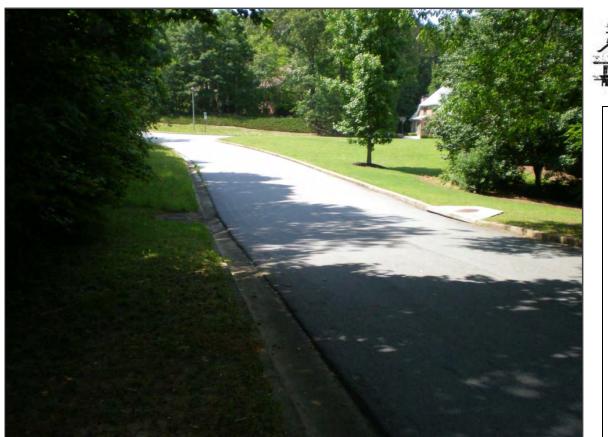




Photo 1:



Mathew Way

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Photo 2:







WHERE QUALITY IS A LIFESTYLE.

Mathew Way

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Photo 4:

Roadway Construction, Utility Relocation and ROW Quantity Calculations

Roadway Construction		al Unit Cost		n Unit Cost	Amount		tal Cost
Pavement (SF)	\$	0.73	\$	4.87	400.00	\$	2,242.1
Curb and Gutter (LF)	\$	28.56	\$	30.60	40.00	\$	2,366.4
Drain Inlet (EA)			\$	3,000.00	0.00	\$	-
" Sidewalk (SY)	\$	13.56	\$	36.90	0.00	\$	-
uardrail (LF)	\$	4.88	\$	49.09	0.00	\$	-
nd Anchorage (EA)			\$	1,380.00	0.00	\$	-
ubtotal						\$	4,608.5
rading Complete (5% of Rwy Items & Drng Total	\$)					\$	10,314.9
oadway Total						\$	14,923.4
Prainage	Pemov	al Unit Cost	Installatio	n Unit Cost	Amount	То	tal Cost
rench Excavation (CY)	Keniova	ai Unit Cost	\$	10.38	651.85	\$	6,766.2
2" CMP (LF)	\$	54.00	Ψ	10.50	120.00		19,440.0
	φ	54.00	¢	200.00			19,440.0
2" RCP			\$ \$	390.00	0.00		40 705
lass A Conc (CY)				892.19			42,705.4
teel (lb)			\$	1.42	17,018.00		
ipe Bedding (CY)			\$	48.60	60.70		2,950.
ench Backfill (CY) ench Compaction (CY)			\$ \$	2.99 6.36	709.67 567.74		2,120. 3,610.
			Ψ	0.50	507.74		
rainage Total							201,690.
gning and Marking				n Unit Cost	Amount		tal Cost
ermanent Striping (LF)			\$	0.71	0.00	\$	-
igning and Marking Total						\$	-
laging			Installatio	n Unit Cost	Amount	To	tal Cost
learing and Grubbing (Acre)			\$	10,260.00	0.10	\$	1,026.0
emporary Pavement			Ŷ	10,200.00	0.10	\$	-,020.
emporary Drainage (Stream Diversion)			\$	4,428.00	1.00	\$	4,428.
						\$	
aging Total						Ф	5,454.
osion Control			Installatio	n Unit Cost	Amount	То	tal Cost
ne Grading and Seeding (SY)			\$	4.39	133.33	\$	585.
emporary Grassing (AC)			\$	855.60	0.00		-
ype C Silt Fence (LF)			\$	4.24	320.00		1,355.
heck Dam Type C Silt Fence (LF)			\$ \$	6.79	320.00	\$ \$	2,173.
			\$ \$	1.87	106.67		199.
rosion Control Mats (SY)			\$ \$				
andscape Mulch (SY)				3.58	106.67		381.
erm Grassing (AC)			\$	1,402.20	0.00		-
ip Rap Type 3 12" (SY)			\$	60.98	53.33		3,252.
lastic Filter Fabric (SY)			\$	5.72	53.33		305.
Ditch Paving (SY)			\$	54.65	0.00	\$	-
rosion Control Total						\$	8,253.
onstruction Cost Total						\$2	30,321.
raffic Control (8% of Construction Total \$)						\$	18,425.
onstruction Cost Grand Total						\$2	48,747.
ility Relocation	Remova	al Unit Cost	Installatio	n Unit Cost	Amount		tal Cost
ectric							,
erial	\$	11.00	\$	55.00		\$	-
uried	\$	16.50	\$	82.50	50.00	\$	4,950.
looden Pole	\$	82.50	\$	605.00	1.00		687.
none							
erial	\$	11.00	\$	27.50		\$	-
uried	\$	16.50	\$	55.00	50.00	\$	3,575.
ooden Pole	\$	82.50	\$	605.00		\$	-
able							
erial	\$	11.00	\$	27.50		\$	-
uried	\$	16.50	\$	55.00	50.00	\$	3,575.
ooden Pole	\$	82.50	\$	605.00	00.00	\$	-,070
as	^	10 -0	¢	00.00		¢	
main ater	\$	16.50	\$	66.00		\$	-
	¢	40.50	¢	02 50	E0.00	¢	E 500
main	\$	16.50	\$	93.50	50.00		5,500.
elocate Fire Hydrant (EA)			\$	2,609.22	0.00	\$	-
ewer 2" main	¢	10 50	¢	00 50	0.00	¢	
" main ility Relocation Total	\$	16.50	\$	82.50	0.00		- 18,287.
abt of Way (Sa Et)			Coot/ Se	Et	So Et	Tr	tal Cast
ght of Way (Sq Ft) ermanent Easement			Cost/ Sq \$	Ft 4.00	Sq Ft 2,100.00	To \$	tal Cost 8,400.