General Information		Мар		
Project ID				
Street Name	120 Deer Forest Trail			
Site Visit Date	5/21/13	Oak Rd NaSh Pkwy Cedar Id		
Road Classification	Minor road	Pine To all Rd Morning Creek		
Project		Pine To and		
Urban Typical Section with Valley Gutter				
		Huntell Ct		
		Downing Co Devilla Tee CO		
		The second secon		
		Glande Q Committee Committ		
Field Notes		and the second		
Design (Existing Site Features)		TO WENT OF THE STATE OF THE STA		
Existing Road Laneage 2 - 12'		Mark Rd  Loss, Tri  Anglin E.  Naughn F.  Sangha E.  Sa		
Existing ShId Width (paved and				
Existing Side Slopes	Flat	Historic Dr =		
Existing Guardrail	None	z aferson Ave		
Depth fm Pavement to Top of Cu		Aromough Rd		
Pipe Type and Size	36" CMP,100'	My Selectory Min and My Selectory But My Selectory But My Selectory My		
Pipe Condition (1-5) (1 is new)	5	2 3 TO 100		
Condition Notes: Headwall failed or	i downstream side, active	The state of the s		
erosion, effectively 0% capacity		Scoler Ave		
Pavement Type/Condition	Asphalt/Good			
Pavement Type/Condition	Aspnait/Good	Stage Construction Options		
Environment	tal Features	Close Location to Traffic X		
Wetlands	None	Maintain One Lane - No Temp Pavement		
Ditches	None	Maintain One Lane - Temp Pavement		
Ditolies	140110	Stage Construction Notes:		
		Clago Condition (Notes).		
Utilities (Visua	al Inspection)			
Electric	Buried			
Cable	Buried			
Phone	Buried			
Gas				
Water	Buried			
Sewer				
Other				
	Propose	d Design		
Roadway Section				
	Al . Ol b a a a a a a ta d A OOl la a a th	O+		
Culvert Size & Material		Cost of removing headwalls assumed equal to removal of entire length		
	of pipe. Electric, cable, phone, water			
Utility Relocations	Electric, cable, priorie, water			
Guardrail Replacement				
– .				
Miscellaneous Features				
		ost Estimate		
Туре	Notes			
Design	Includes 10% Construction Co			
Right of Way Cost	Assuming project extends 3  Buried util			
Utility Relocation Cost Construction Cost	Assuming 1/10 acre clea			
Environmental Permits	Assuming 1/10 acre clea			
Liivii Oiliileillai Feiliills	Assuming minimal environme	That portfitting required   \$10,000		
	Total D	enning Catimata 64.45 500		
	i otal P	anning Estimate \$145,508		







Photo 1:



Photo 2:

Photo Date:

5/21/2013

Taken By:

David King

Page:

1





Photo 3:



Photo 4:

**Photo Date:** 

5/21/2013

Taken By:

David King

Page:

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Roadway Construction	Removal Unit (	Cost	Installation Unit Cost	Amount	Total Cost
Pavement (SF)	\$	0.73	\$ 4.87	144.00	\$ 807.17
Curb and Gutter (LF)	\$	28.56	\$ 30.60	20.00	\$ 1,183.20
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					\$ 1,990.37
Grading Complete (5% of Rwy Items & Drng Total \$)					\$ 3,158.26
Roadway Total					\$ 5,148.63
Drainage	Removal Unit	Cost	Installation Unit Cost	Amount	Total Cost
Trench Excavation (CY)	Φ.	40.00	\$ 10.38		\$ 1,384.00
36" CMP (LF) 36" RCP	\$	19.62	\$ 142.52	0.00	\$ 11,772.00 \$ -
Class A Conc (CY)			\$ 892.19		\$ 39,800.51
Steel (lb)					\$ 6,081.72
Pipe Bedding (CY)			\$ 48.60		\$ 1,103.22
Trench Backfill (CY)			\$ 2.99	127.97	
Trench Compaction (CY)			\$ 6.36	102.37	\$ 651.09
Drainage Total					\$61,174.91
Signing and Marking			Installation Unit Cost	Amount	Total Cost
Permanent Striping (LF)			\$ 0.71	0.00	\$ -
Signing and Marking Total					\$ -
Olgrang and Marking Total					Ψ
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
Temporary Drainage (Stream Diversion)			Ψ 4,420.00	1.00	Ψ 4,420.00
Staging Total					\$ 5,454.00
Erosion Control			Installation Unit Cost	Amount	Total Cost
Fine Grading and Seeding (SY)			\$ 4.39	50.67	\$ 222.53
Temporary Grassing (AC)			\$ 855.60	0.00	\$ -
Type C Silt Fence (LF)			\$ 4.24		\$ 1,694.40
Check Dam Type C Silt Fence (LF)			\$ 6.79	400.00	\$ 2,716.80
E : 0 : 111 : (0) ()					
Erosion Control Mats (SY)			\$ 1.87	133.33	\$ 249.60
Landscape Mulch (SY)			\$ 3.58	133.33	\$ 249.60 \$ 476.80
Landscape Mulch (SY) Perm Grassing (AC)			\$ 3.58 \$ 1,402.20	133.33 0.00	\$ 249.60 \$ 476.80 \$ -
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY)			\$ 3.58 \$ 1,402.20 \$ 60.98	133.33	\$ 249.60 \$ 476.80 \$ - \$ 975.74
Landscape Mulch (SY) Perm Grassing (AC)			\$ 3.58 \$ 1,402.20 \$ 60.98	133.33 0.00 16.00	\$ 249.60 \$ 476.80 \$ - \$ 975.74 \$ 91.58
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72	133.33 0.00 16.00 16.00	\$ 249.60 \$ 476.80 \$ - \$ 975.74 \$ 91.58 \$ -
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72	133.33 0.00 16.00 16.00	\$ 249.60 \$ 476.80 \$ - \$ 975.74 \$ 91.58 \$ - \$ 6,427.46
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72	133.33 0.00 16.00 16.00	\$ 249.60 \$ 476.80 \$ - \$ 975.74 \$ 91.58 \$ -
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY) Erosion Control Total			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72	133.33 0.00 16.00 16.00	\$ 249.60 \$ 476.80 \$ - \$ 975.74 \$ 91.58 \$ - \$ 6,427.46
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72	133.33 0.00 16.00 16.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ - \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation	Removal Unit (	Cost	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72	133.33 0.00 16.00 16.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric			\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation	\$	11.00	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial	\$		\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried	\$	11.00 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ - \$ 4,950.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial	\$ \$ \$	11.00 16.50 82.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 4,950.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried  Wooden Pole Phone Aerial Buried	\$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 55.00	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ \$ 3,575.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Wooden Pole Wooden Pole	\$ \$ \$ \$	11.00 16.50 82.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 4,950.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 91.58 \$ 91.58 \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 3,575.00 \$ -
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Wooden Pole Cable Aerial	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50	133.33 0.00 16.00 16.00 0.00 Amount 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 3,575.00 \$ - \$ 3
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 3,575.00 \$ - \$ 3,575.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00 Amount 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ \$ 3,575.00 \$ \$ 3,575.00 \$
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Casa 4" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 55.00	133.33 0.00 16.00 16.00 0.00 Amount 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ \$ 3,575.00 \$ \$ 3,575.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water	\$ 6 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00 \$ 605.00 \$ 66.00	133.33 0.00 16.00 16.00 0.00 Amount 50.00 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ \$ 3,575.00 \$ \$ 3,575.00 \$ \$ 3,575.00 \$ \$ 3,575.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00 Amount 50.00	\$ 249.60 \$ 476.80 \$ 91.57.74 \$ 91.58 \$
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA)	\$ 6 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00 \$ 605.00 \$ 66.00	133.33 0.00 16.00 16.00 0.00 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ \$ 3,575.00 \$ \$ 3,575.00 \$ \$ 3,575.00 \$ \$ 3,575.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00 Amount 50.00 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 3,575.00 \$ - \$ 3,575.00 \$ - \$ 5,500.00 \$ -
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Rooden Pole Cable Aerial Buried	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00 Amount 50.00 50.00	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 3,575.00 \$ - \$ 3,575.00 \$ - \$ 5,500.00 \$ -
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00 \$ 27.50 \$ 82.50 \$ 82.50 \$ 82.50	133.33 0.00 16.00 16.00 0.00 50.00 50.00 50.00	\$ 249.60 \$ 476.80 \$ 91.58 \$ 91.58 \$ 1.58 \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ - \$ 4,950.00 \$ - \$ 3,575.00 \$ - \$ 5,500.00 \$ - \$ 17,600.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Fole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00	133.33 0.00 16.00 16.00 0.00 50.00 50.00 50.00 50.00 Sq Ft	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ \$ 3,575.00 \$ \$ 3,575.00 \$ \$ 5,500.00 \$ \$ 5,500.00 \$ \$ 5,500.00
Landscape Mulch (SY) Perm Grassing (AC) Rip Rap Type 3 12" (SY) Plastic Filter Fabric (SY) 4" Ditch Paving (SY)  Erosion Control Total  Construction Cost Total  Traffic Control (8% of Construction Total \$)  Construction Cost Grand Total  Utility Relocation Electric Aerial Buried Wooden Pole Phone Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Cable Aerial Buried Wooden Pole Gas 4" main Water 8" main Relocate Fire Hydrant (EA) Sewer 12" main Utility Relocation Total  Right of Way (Sq Ft)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11.00 16.50 82.50 11.00 16.50 82.50 11.00 16.50 82.50 16.50	\$ 3.58 \$ 1,402.20 \$ 60.98 \$ 5.72 \$ 54.65 Installation Unit Cost \$ 55.00 \$ 82.50 \$ 605.00 \$ 27.50 \$ 55.00 \$ 605.00 \$ 93.50 \$ 2609.22 \$ 82.50	133.33 0.00 16.00 16.00 0.00 50.00 50.00 50.00 50.00 Sq Ft	\$ 249.60 \$ 476.80 \$ 975.74 \$ 91.58 \$ - \$ 6,427.46 \$ 78,204.99 \$ 6,256.40 \$ 84,461.39 Total Cost \$ 4,950.00 \$ - \$ 3,575.00 \$ - \$ 3,575.00 \$ - \$ 17,600.00 Total Cost