Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost		Improvement Cost
Demolition of Existing Drainage Infrastructure	2785 LF of Existing Pipe	2785	-	-	LF	\$ 10.00	\$	27,850.00
Excavate Ditch	180 LF of Ditch	180	-	-	LF	\$ 50.00	\$	9,000.00
Install 18" RCP	1120 LF of 18" RCP	1120	-	-	LF	\$ 100.00	\$	112,000.00
Install 24" RCP	3,850 LF of 24" RCP	3850	-	-	LF	\$ 135.00	\$	519,750.00
Install 30" RCP	799 LF of 30" RCP	799	-	-	LF	\$ 150.00	\$	119,850.00
Install 36" RCP	43 LF of 36" RCP	43	-	-	LF	\$ 175.00	\$	7,525.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	61	-	EA	\$ 8,000.00	\$	488,000.00
Install Inlet	Junction Box (Small)	-	46	-	EA	\$ 5,000.00	\$	230,000.00
Install 18" Tide Gate	18" Tide Gate	-	1	-	EA	\$ 6,500.00	\$	6,500.00
Install 24" Tide Gate	24" Tide Gate	-	1	-	EA	\$ 7,800.00	\$	7,800.00
Install 18" RCP Laterals to Inlets	572 LF of 18" RCP	598	-	-	LF	\$ 100.00	\$	59,800.00
Excavate Outfall Channel Ditch	425 LF of Excavation	425	-	-	LF	\$ 500.00	\$	212,500.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	92660	-	SF	\$ 8.00	\$	741,280.00
Construct and Install Wet Well	Rectangular Wet Well (15'x15' box, 15' depth)	-	-	1	EA	\$ 500,000.00	\$	500,000.00
High-Flow Pump	47HP Submersible Pump (Sulzer AFLX0601)	-	-	2	EA	\$ 150,000.00	\$	300,000.00
Jockey Pump	7.5HP Submersible Pump (230V/1 Phase)	-	-	1	EA	\$ 25,000.00	\$	25,000.00
Outfall Structure for Force Main	Outfall Structure	-	-	1	EA	\$ 15,000.00	\$	15,000.00
Diesel Generator w/ Integrated Fuel Tank	Diesel Generator w/ Integrated Fuel Tank	-	1	-	EA	\$ 150,000.00	\$	150,000.00
Electrical Service Connection	400V Electrical Service Connection	-	-	1	EA	\$ 80,000.00	\$	80,000.00
Elevated Structure for Controls/Instrumentation & Generator	Construct Elevated Structure	-	-	1	EA	\$ 50,000.00	\$	50,000.00
Raise Road	Raise Existing Road Surface	2200	-	-	LF	\$ 500.00	\$	1,100,000.00
				Sub-Total			\$	4,761,855.00
			Allowar	nce - Incidental	(15%)		\$	714,278.25
			Allowanc	e - Water/Sewe	er (50%)		\$	2,380,927.50
			Genera	al Construction	(15%)		\$	714,278.25
			Co	ontingency (20%	6)		\$	952,371.00
	Total Estimated Construction Co	ost					\$	9,523,710.00
Permitting Services (1.5% of Construction Cost)							\$	142,855.65
Engineering and Design Services (5% of Construction Cost)							\$	476,185.50
Construction Administration (5% of Construction Cost)							\$	476,185.50
				Sub-Total			\$	1,095,226.65
			Co	ontingency (15%	6)		\$	164,284.00
	Total Estimated Professional Service	es Cost					\$	1,259,510.65
Tatal Estimated Drainet Oct							<i>*</i>	
Total Estimated Project Cost							\$	10,783,220.65
Total Estimated Project Cost (5-Year Cost Escalation A							\$	14,430,381.68
Total Estimated Project Cost (10-Year Cost Escalation	Assuming 6% per Year)						\$	19,311,105.86

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	2580 LF of Existing Pipe	2580	-	-	LF	\$ 10.00	\$ 25,800.00
Install 18" RCP	813 LF of 18" RCP	813	-	-	LF	\$ 100.00	\$ 81,300.00
Install 24" RCP	324 LF of 24" RCP	324	-	-	LF	\$ 135.00	\$ 43,740.00
Install 30" RCP	427 LF of 30" RCP	427	-	-	LF	\$ 150.00	\$ 64,050.00
Install 36" RCP	431 LF of 36" RCP	431	-	-	LF	\$ 175.00	\$ 75,425.00
Install 42" RCP	315 LF of 42" RCP	315	-	-	LF	\$ 200.00	\$ 63,000.00
Install 48" RCP	54 LF of 48" RCP	54	-	-	LF	\$ 265.00	\$ 14,310.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	28	-	EA	\$ 8,000.00	\$ 224,000.00
Install Inlet	Junction Box (Small)	-	21	-	EA	\$ 5,000.00	\$ 105,000.00
Install 48" Tide Gate	48" Tide Gate	-	1	-	EA	\$ 38,300.00	\$ 38,300.00
Install 18" RCP Laterals to Inlets	260 LF of 18" RCP	273	-	-	LF	\$ 100.00	\$ 27,300.00
Excavate Outfall Channel Ditch	80 LF of excavation	80	-	-	LF	\$ 500.00	\$ 40,000.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	42560	-	SF	\$ 8.00	\$ 340,480.00
				Sub-Total			\$ 1,142,705.00
			Allowar	nce - Incidental	(15%)		\$ 171,405.75
			Allowand	e - Water/Sewe	r (50%)		\$ 571,352.50
			Genera	al Construction	15%)		\$ 171,405.75
			Co	ontingency (20%)		\$ 228,541.00
	Total Estimated Construction C	ost					\$ 2,285,410.00
Permitting Services (1.5% of Construction Cost)							\$ 34,281.15
Engineering and Design Services (5% of Construction Cost)							\$ 114,270.50
Construction Administration (5% of Construction Cost)							\$ 114,270.50
				Sub-Total			\$ 262,822.15
			Co	ontingency (15%)		\$ 39,423.32
	Total Estimated Professional Servic	es Cost					\$ 302,245.47
Total Estimated Project Cost							\$ 2,587,655.47
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Vear)						\$ 3,462,866.74
Total Estimated Project Cost (10-Year Cost Escalation	n Assuming o% per tear)						\$ 4,634,096.84

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	1064 LF of Existing Pipe	1064	-	-	LF	\$ 10.00	\$ 10,640.00
Install 12" RCP	25 LF pf 12" RCP	25	-	-	LF	\$ 80.00	\$ 2,000.00
Install 18" RCP	930 LF of 18" RCP	930	-	-	LF	\$ 100.00	\$ 93,000.00
Install 24" RCP	1048 LF of 24" RCP	1048	-	-	LF	\$ 135.00	\$ 141,480.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	20	-	EA	\$ 8,000.00	\$ 160,000.00
Install Inlet	Junction Box (Small)	-	15		EA	\$ 5,000.00	\$ 75,000.00
Install 18" RCP Laterals to Inlets	195 LF of 18" RCP	195	-	-	LF	\$ 100.00	\$ 19,500.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	29040	-	SF	\$ 8.00	\$ 232,320.00
				Sub-Total			\$ 733,940.00
			Allowand	ce - Incidental (2	L5%)		\$ 110,091.00
			Allowance	- Water/Sewer	(50%)		\$ 366,970.00
			General	Construction (1	.5%)		\$ 110,091.00
			Con	tingency (20%)			\$ 146,788.00
	Total Estimated Construction Co	st					\$ 1,467,880.00
Permitting Services (1.5% of Construction Cost)							\$ 22,018.20
Engineering and Design Services (5% of Construction Cost)							\$ 73,394.00
Construction Administration (5% of Construction Cost)							\$ 73,394.00
				Sub-Total			\$ 168,806.20
			Con	tingency (15%)			\$ 25,320.93
	Total Estimated Professional Service	s Cost					\$ 194,127.13
Total Estimated Project Cost							\$ 1,662,007.13
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Year)						\$ 2,224,140.45
Total Estimated Project Cost (10-Year Cost Escalation							\$ 2,976,401.64

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	551 LF of Existing Pipe	551	-	-	LF	\$ 10.00	\$ 5,510.00
Install 15" RCP	648 LF pf 15" RCP	648	-	-	LF	\$ 95.00	\$ 61,560.00
Install 18" RCP	213 LF of 18" RCP	213	-	-	LF	\$ 100.00	\$ 21,300.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	12	-	EA	\$ 8,000.00	\$ 96,000.00
Install Inlet	Junction Box (Small)	-	9	-	EA	\$ 5,000.00	\$ 45,000.00
Install 18" RCP Laterals to Inlets	117 LF of 18" RCP	117	-	-	LF	\$ 100.00	\$ 11,700.00
Install 15" Tide Gate	15" Tide Gate	-	1	-	EA	\$ 5,000.00	\$ 5,000.00
Raise Road	Raise Existing Road Surface	1300	-	-	LF	\$ 500.00	\$ 650,000.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	16980	-	SF	\$ 8.00	\$ 135,840.00
				Sub-Total			\$ 1,031,910.00
			Allowand	e - Incidental (1	L5%)		\$ 154,786.50
			Allowance	- Water/Sewer	(50%)		\$ 515,955.00
			General	Construction (1	.5%)		\$ 154,786.50
			Con	tingency (20%)			\$ 206,382.00
	Total Estimated Construction Co	st					\$ 2,063,820.00
Permitting Services (1.5% of Construction Cost)							\$ 30,957.30
Engineering and Design Services (5% of Construction Cost)							\$ 103,191.00
Construction Administration (5% of Construction Cost)							\$ 103,191.00
				Sub-Total			\$ 237,339.30
			Con	tingency (15%)			\$ 35,600.90
	Total Estimated Professional Service	s Cost					\$ 272,940.20
Total Estimated Project Cost							\$ 2,336,760.20
Total Estimated Project Cost (5-Year Cost Escalation /	Assuming 6% per Year)						\$ 3,127,112.26
Total Estimated Project Cost (10-Year Cost Escalation							\$ 4,184,781.61

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Description	Proposed Improvement	Length	Quantity	Count	Units
Demolition of Existing Drainage Infrastructure	2775 LF of Existing Pipe	2775	-	-	LF
Install 15" RCP	69 LF of 15" RCP	69	-	-	LF
Install 18" RCP	1200 LF of 18" RCP	1200	-	-	LF
Install 24" RCP	538 LF of 24" RCP	538	-	-	LF
Install 36" RCP	926 LF of 30" RCP	926	-	-	LF
Install 42" RCP	112 LF of 36" RCP	112	-	-	LF
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	35	-	EA
Install Inlet	Junction Box (Small)	-	27	-	EA
Install 18" RCP Laterals to Inlets	351 LF of 18" RCP	351	-	-	LF
Install 42" Tide Gate	42" Tide Gate	-	1	-	EA
Raise Road	Raise Existing Road Surface	1000	-	-	LF
Road Paving and Milling	Refinishing Road Surface Post Construction	-	52680	-	SF
				Sub-Total	
			Allowanc	e - Incidental (2	15%)
			Allowance	- Water/Sewer	(50%)
			General	Construction (1	L5%)
			Con	tingency (20%)	
	Total Estimated Construction Co	st			
Permitting Services (1.5% of Construction Cost)					
Engineering and Design Services (5% of Construction Cost)					
Construction Administration (5% of Construction Cost)					
				Sub-Total	
			Con	tingency (15%)	
	Total Estimated Professional Service	s Cost			
Total Estimated Project Cost					
Total Estimated Project Cost (5-Year Cost Escalatio	n Assuming 6% per Year)				
Total Estimated Project Cost (10-Year Cost Escalati	on Assuming 6% per Year)				

Unit Cost	Improvement Cost
\$ 10.00	\$ 27,750.00
\$ 95.00	\$ 6,555.00
\$ 100.00	\$ 120,000.00
\$ 135.00	\$ 72,630.00
\$ 175.00	\$ 162,050.00
\$ 200.00	\$ 22,400.00
\$ 8,000.00	\$ 280,000.00
\$ 5,000.00	\$ 135,000.00
\$ 100.00	\$ 35,100.00
\$ 25,300.00	\$ 25,300.00
\$ 500.00	\$ 500,000.00
\$ 8.00	\$ 421,440.00
	\$ 1,808,225.00
	\$ 271,233.75
	\$ 904,112.50
	\$ 271,233.75
	\$ 361,645.00
	\$ 3,616,450.00
	\$ 54,246.75
	\$ 180,822.50
	\$ 180,822.50
	\$ 415,891.75
	\$ 62,383.76
	\$ 478,275.51
	\$ 4,094,725.51
	\$ 5,479,666.41
	\$ 7,333,029.75

Description	Proposed Improvement	Length	Quantity	Count	Units	 Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	907 LF of Existing Pipe	907	-	-	LF	\$ 10.00	\$ 9,070.00
Install 18" RCP	26 LF of 18" RCP	26	-	-	LF	\$ 100.00	\$ 2,600.00
Install 24" RCP	716 LF of 24" RCP	716	-	-	LF	\$ 135.00	\$ 96,660.00
Install 30" RCP	87 LF of 30" RCP	87	-	-	LF	\$ 150.00	\$ 13,050.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	17	-	EA	\$ 8,000.00	\$ 136,000.00
Install Inlet	Junction Box (Small)	-	8	-	EA	\$ 5,000.00	\$ 40,000.00
Install 18" RCP Laterals to Inlets	104 LF of 18" RCP	104	-	-	LF	\$ 100.00	\$ 10,400.00
Install 30" Tide Gate	30" Tide Gate	-	1	-	EA	\$ 15,200.00	\$ 15,200.00
Raise Road	Raise Existing Road Surface	330	-	-	LF	\$ 500.00	\$ 165,000.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	14920	-	SF	\$ 8.00	\$ 119,360.00
Excavate Outfall Channel Ditch	205 LF of excavation	205	-	-	LF	\$ 500.00	\$ 102,500.00
				Sub-Total			\$ 709,840.00
			Allowand	e - Incidental (1	L5%)		\$ 106,476.00
			Allowance	- Water/Sewer	(50%)		\$ 354,920.00
			General	Construction (1	.5%)		\$ 106,476.00
			Con	tingency (20%)			\$ 141,968.00
	Total Estimated Construction Co	st					\$ 1,419,680.00
Permitting Services (1.5% of Construction Cost)							\$ 21,295.20
Engineering and Design Services (5% of Construction Cost)							\$ 70,984.00
Construction Administration (5% of Construction Cost)							\$ 70,984.00
				Sub-Total			\$ 163,263.20
			Con	tingency (15%)			\$ 24,489.48
	Total Estimated Professional Service	s Cost					\$ 187,752.68
Total Estimated Project Cost							\$ 1,607,432.68
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Year)						\$ 2,151,107.53
Total Estimated Project Cost (10-Year Cost Escalatio	n Assuming 6% per Year)						\$ 2,878,667.11

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	3421 LF of Existing Pipe	3421	-	-	LF	\$ 10.00	\$ 34,210.00
Install 18" RCP	540 LF of 18" RCP	540	-	-	LF	\$ 100.00	\$ 54,000.00
Install 24" RCP	396 LF of 24" RCP	396	-	-	LF	\$ 135.00	\$ 53,460.00
Install 30" RCP	1173 LF of 30" RCP	1173	-	-	LF	\$ 150.00	\$ 175,950.00
Install 36" RCP	426 LF of 36" RCP	426	-	-	LF	\$ 175.00	\$ 74,550.00
Install 42" RCP	849 LF of 42" RCP	849	-	-	LF	\$ 200.00	\$ 169,800.00
Install 48" RCP	86 LF of 48" RCP	86	-	-	LF	\$ 265.00	\$ 22,790.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	42	-	EA	\$ 8,000.00	\$ 336,000.00
Install Inlet	Junction Box (Small)	-	32	-	EA	\$ 5,000.00	\$ 160,000.00
Install 48" Tide Gate	48" Tide Gate	-	1	-	EA	\$ 38,300.00	\$ 38,300.00
Install 18" RCP Laterals to Inlets	416 LF of 18" RCP	416	-	-	LF	\$ 100.00	\$ 41,600.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	62420	-	SF	\$ 8.00	\$ 499,360.00
Excavate Outfall Channel Ditch	136 LF of excavation	136	-	-	LF	\$ 500.00	\$ 68,000.00
				Sub-Total			\$ 1,728,020.00
			Allowand	e - Incidental (2	L5%)		\$ 259,203.00
			Allowance	- Water/Sewer	(50%)		\$ 864,010.00
			General	Construction (1	.5%)		\$ 259,203.00
			Con	tingency (20%)			\$ 345,604.00
	Total Estimated Construction Co	st					\$ 3,456,040.00
Permitting Services (1.5% of Construction Cost)							\$ 51,840.60
Engineering and Design Services (5% of Construction Cost)							\$ 172,802.00
Construction Administration (5% of Construction Cost)							\$ 172,802.00
				Sub-Total			\$ 397,444.60
			Con	tingency (15%)			\$ 59,616.69
	Total Estimated Professional Service	s Cost					\$ 457,061.29
Total Estimated Project Cost							\$ 3,913,101.29
Total Estimated Project Cost (5-Year Cost Escalation A							\$ 5,236,612.23
Total Estimated Project Cost (10-Year Cost Escalation	Assuming 6% per Year)						\$ 7,007,768.43

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	2046 LF of Existing Pipe	2046	-	-	LF	\$ 10.00	\$ 20,460.00
Install 18" RCP	2043 LF of 18" RCP	2043	-	-	LF	\$ 100.00	\$ 204,300.00
Install 24" RCP	1038 LF of 24" RCP	1038	-	-	LF	\$ 135.00	\$ 140,130.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	41	-	EA	\$ 8,000.00	\$ 328,000.00
Install Inlet	Junction Box (Small)	-	31	-	EA	\$ 5,000.00	\$ 155,000.00
Install 18" RCP Laterals to Inlets	403 LF of 18" RCP	403	-	-	LF	\$ 100.00	\$ 40,300.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	61240	-	SF	\$ 8.00	\$ 489,920.00
				Sub-Total			\$ 1,378,110.00
			Allowand	e - Incidental (1	.5%)		\$ 206,716.50
			Allowance	- Water/Sewer	(50%)		\$ 689,055.00
			General	Construction (1	5%)		\$ 206,716.50
			Con	tingency (20%)			\$ 275,622.00
	Total Estimated Construction Co	st					\$ 2,756,220.00
Permitting Services (1.5% of Construction Cost)							\$ 41,343.30
Engineering and Design Services (5% of Construction Cost)							\$ 137,811.00
Construction Administration (5% of Construction Cost)							\$ 137,811.00
				Sub-Total			\$ 316,965.30
			Con	tingency (15%)			\$ 47,544.80
	Total Estimated Professional Service	s Cost					\$ 364,510.10
Total Estimated Project Cost							\$ 3,120,730.10
Total Estimated Project Cost (5-Year Cost Escalation A	Assuming 6% per Year)						\$ 4,176,240.83
Total Estimated Project Cost (10-Year Cost Escalation	Assuming 6% per Year)						\$ 5,588,752.30

Description	Proposed Improvement	Length	Quantity	Count	Units
Demolition of Existing Drainage Infrastructure	2042 LF of Existing Pipe	2042	-	-	LF
Install 18" RCP	736 LF of 18" RCP	736	-	-	LF
Install 24" RCP	480 LF of 24" RCP	480	-	-	LF
Install 30" RCP	457 LF of 30" RCP	457	-	-	LF
Install 36" RCP	71 LF of 36" RCP	71	-	-	LF
Install 42" RCP	1037 LF of 42" RCP	1037	-	-	LF
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	33	-	EA
Install Inlet	Junction Box (Small)	-	25	-	EA
Install 42" Tide Gate	42" Tide Gate	-	1	-	EA
Install 18" RCP Laterals to Inlets	325 LF of 18" RCP	325	-	-	LF
Road Paving and Milling	Refinishing Road Surface Post Construction	-	49380	-	SF
Excavate Outfall Channel Ditch	625 LF of Excavation	625	-	-	LF
				Sub-Total	
			Allowand	e - Incidental (2	15%)
			Allowance	- Water/Sewer	(50%)
			General	Construction (1	L5%)
			Con	tingency (20%)	
	Total Estimated Construction Co	st			
Permitting Services (1.5% of Construction Cost)					
Engineering and Design Services (5% of Construction Cost)					
Construction Administration (5% of Construction Cost)					
				Sub-Total	
			Con	tingency (15%)	
	Total Estimated Professional Service	s Cost			
Total Estimated Project Cost					
Total Estimated Project Cost (5-Year Cost Escalation	on Assuming 6% per Year)				
Total Estimated Project Cost (10-Year Cost Escalat	ion Assuming 6% per Year)				

Unit Cost	Improvement Cost
\$ 10.00	\$ 20,420.00
\$ 100.00	\$ 73,600.00
\$ 135.00	\$ 64,800.00
\$ 150.00	\$ 68,550.00
\$ 175.00	\$ 12,425.00
\$ 200.00	\$ 207,400.00
\$ 8,000.00	\$ 264,000.00
\$ 5,000.00	\$ 125,000.00
\$ 25,300.00	\$ 25,300.00
\$ 100.00	\$ 32,500.00
\$ 8.00	\$ 395,040.00
\$ 500.00	\$ 312,500.00
	\$ 1,601,535.00
	\$ 240,230.25
	\$ 800,767.50
	\$ 240,230.25
	\$ 320,307.00
	\$ 3,203,070.00
	\$ 48,046.05
	\$ 160,153.50
	\$ 160,153.50
	\$ 368,353.05
	\$ 55,252.96
	\$ 423,606.01
	\$ 3,626,676.01
	\$ 4,853,310.59
	\$ 6,494,824.37

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Install 18" RCP	428 LF of 18" RCP	428	-	-	LF	\$ 100.00	\$ 42,800.00
Install 24" RCP	1255 LF of 24" RCP	1255	-	-	LF	\$ 135.00	\$ 169,425.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	24	-	EA	\$ 8,000.00	\$ 192,000.00
Install Inlet	Junction Box (Small)	-	18	-	EA	\$ 5,000.00	\$ 90,000.00
Install 42" Tide Gate	42" Tide Gate	-	1	-	EA	\$ 25,300.00	\$ 25,300.00
Install 18" RCP Laterals to Inlets	325 LF of 18" RCP	234	-	-	LF	\$ 100.00	\$ 23,400.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	35720	-	SF	\$ 8.00	\$ 285,760.00
				Sub-Total			\$ 828,685.00
			Allowanc	e - Incidental (1	.5%)		\$ 124,302.75
			Allowance	- Water/Sewer	(50%)		\$ 414,342.50
			General	Construction (1	.5%)		\$ 124,302.75
			Cont	tingency (20%)			\$ 165,737.00
	Total Estimated Construction Co	st					\$ 1,657,370.00
Permitting Services (1.5% of Construction Cost)							\$ 24,860.55
Engineering and Design Services (5% of Construction Cost)							\$ 82,868.50
Construction Administration (5% of Construction Cost)							\$ 82,868.50
				Sub-Total			\$ 190,597.55
			Cont	tingency (15%)			\$ 28,589.63
	Total Estimated Professional Service	s Cost					\$ 219,187.18
Total Estimated Project Cost							\$ 1,876,557.18
Total Estimated Project Cost (5-Year Cost Escalation As	suming 6% per Year)						\$ 2,511,256.82
Total Estimated Project Cost (10-Year Cost Escalation A	ssuming 6% per Year)						\$ 3,360,628.11

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	55 LF of Existing Pipe	55	-	-	LF	\$	10.00	\$ 550.00
Install 18" RCP	68 LF of 18" RCP	68	-	-	LF	\$	100.00	\$ 6,800.00
Install 24" RCP	1505 LF of 24" RCP	1505	-	-	LF	\$	135.00	\$ 203,175.00
Install 30" RCP	1029 LF of 30" RCP	1029	-	-	LF	\$	150.00	\$ 154,350.00
Install 36" RCP	20 LF of 36" RCP	20	-	-	LF	\$	175.00	\$ 3,500.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	35	-	EA	\$	8,000.00	\$ 280,000.00
Install Inlet	Junction Box (Small)	-	26	-	EA	\$	5,000.00	\$ 130,000.00
Install 36" Tide Gate	36" Tide Gate	-	1	-	EA	\$	20,250.00	\$ 20,250.00
Install 18" RCP Laterals to Inlets	338 LF of 18" RCP	338	-	-	LF	\$	100.00	\$ 33,800.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	52600	-	SF	\$	8.00	\$ 420,800.00
Excavate Outfall Channel Ditch	278 LF of Excavation	278	-	-	LF	\$	500.00	\$ 139,000.00
				Sub-Total				\$ 1,392,225.00
			Allowanc	e - Incidental (1	L5%)			\$ 208,833.75
		Allowance - Water/Sewer (50%)						\$ 696,112.50
		General Construction (15%)						\$ 208,833.75
			Con	tingency (20%)				\$ 278,445.00
	Total Estimated Construction Co	st						\$ 2,784,450.00
Permitting Services (1.5% of Construction Cost)								\$ 41,766.75
Engineering and Design Services (5% of Construction Cost)								\$ 139,222.50
Construction Administration (5% of Construction Cost)								\$ 139,222.50
				Sub-Total				\$ 320,211.75
			Con	tingency (15%)				\$ 48,031.76
	Total Estimated Professional Service	s Cost						\$ 368,243.51
Total Estimated Project Cost								\$ 3,152,693.51
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Year)							\$ 4,219,015.10
Total Estimated Project Cost (10-Year Cost Escalation	n Assuming 6% per Year)							\$ 5,645,993.91

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost		Improvement Cost
Demolition of Existing Drainage Infrastructure	1388 LF of Existing Pipe	1388	-	-	LF	\$	10.00	\$	13,880.00
Install 18" RCP	136 LF of 18" RCP	136	-	-	LF	\$	100.00	\$	13,600.00
Install 24" RCP	418 LF of 24" RCP	418	-	-	LF	\$	135.00	\$	56,430.00
Install 30" RCP	299 LF of 30" RCP	299	-	-	LF	\$	150.00	\$	44,850.00
Install 36" RCP	718 LF of 36" RCP	718	-	-	LF	\$	175.00	\$	125,650.00
Install 48" RCP	102 LF of 48" RCP	102	-	-	LF	\$	265.00	\$	27,030.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	17	-	EA	\$	8,000.00	\$	136,000.00
Install Inlet	Junction Box (Small)	-	13	-	EA	\$	5,000.00	\$	65,000.00
Install 48" Tide Gate	48" Tide Gate	-	1	-	EA	\$	38,300.00	\$	38,300.00
Install 18" RCP Laterals to Inlets	169 LF of 18" RCP	169	-	-	LF	\$	100.00	\$	16,900.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	25780	-	SF	\$	8.00	\$	206,240.00
Excavate Outfall Channel Ditch	470 LF of Excavation	470	-	-	LF	\$	500.00	\$	235,000.00
Raise Road	Raise Existing Road Surface	1400	-	-	LF	\$	500.00	\$	700,000.00
				Sub-Total				\$	1,678,880.00
			Allowance - Incidental (15%)						251,832.00
		Allowance - Water/Sewer (50%)						\$	839,440.00
		General Construction (15%)						\$	251,832.00
			Con	tingency (20%)				\$	335,776.00
	Total Estimated Construction Co	st						\$	3,357,760.00
Permitting Services (1.5% of Construction Cost)								\$	50,366.40
Engineering and Design Services (5% of Construction Cost)								\$	167,888.00
Construction Administration (5% of Construction Cost)								\$	167,888.00
				Sub-Total				\$	386,142.40
			Con	tingency (15%)				\$	57,921.36
	Total Estimated Professional Service	es Cost						\$	444,063.76
Total Estimated Project Cost								¢	2 004 002 70
								\$	3,801,823.76
Total Estimated Project Cost (5-Year Cost Escalation A								\$	5,087,697.80
Total Estimated Project Cost (10-Year Cost Escalation	Assuming 6% per Year)							\$	6,808,487.32

Description	Proposed Improvement	Length	Quantity	Count	Units	Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	309 LF of Existing Pipe	390	-	-	LF	\$ 10.00	\$ 3,900.00
Install 18" RCP	219 LF of 18" RCP	219	-	-	LF	\$ 100.00	\$ 21,900.00
Install 24" RCP	1210 LF of 24" RCP	1210	-	-	LF	\$ 135.00	\$ 163,350.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	18	-	EA	\$ 8,000.00	\$ 144,000.00
Install Inlet	Junction Box (Small)	-	14	-	EA	\$ 5,000.00	\$ 70,000.00
Install 18" RCP Laterals to Inlets	182 LF of 18" RCP	182	-	-	LF	\$ 100.00	\$ 18,200.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	28000	-	SF	\$ 8.00	\$ 224,000.00
				Sub-Total			\$ 645,350.00
			Allowand	L5%)		\$ 96,802.50	
			Allowance	(50%)		\$ 322,675.00	
			General	Construction (1	.5%)		\$ 96,802.50
			Con	tingency (20%)			\$ 129,070.00
	Total Estimated Construction Co	st					\$ 1,290,700.00
Permitting Services (1.5% of Construction Cost)							\$ 19,360.50
Engineering and Design Services (5% of Construction Cost)							\$ 64,535.00
Construction Administration (5% of Construction Cost)							\$ 64,535.00
				Sub-Total			\$ 148,430.50
			Con	tingency (15%)			\$ 22,264.58
	Total Estimated Professional Service	s Cost					\$ 170,695.08
Total Estimated Project Cost							\$ 1,461,395.08
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Year)						\$ 1,955,676.27
Total Estimated Project Cost (10-Year Cost Escalatio	n Assuming 6% per Year)						\$ 2,617,136.00

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost		Improvement Cost
Demolition of Existing Drainage Infrastructure	3180 LF of Existing Pipe	3180	-	-	LF	\$	10.00	\$	31,800.00
Install 12" RCP	102 LF of 12" RCP	102	-	-	LF	\$	80.00	\$	8,160.00
Install 18" RCP	649 LF of 18" RCP	649	-	-	LF	\$	100.00	\$	64,900.00
Install 24" RCP	2377 LF of 24" RCP	2377	-	-	LF	\$	135.00	\$	320,895.00
Install 30" RCP	294 LF of 30" RCP	294	-	-	LF	\$	150.00	\$	44,100.00
Install 36" RCP	463 LF of 36" RCP	463	-	-	LF	\$	175.00	\$	81,025.00
Install 42" RCP	641 LF of 42" RCP	641	-	-	LF	\$	200.00	\$	128,200.00
Install 54" RCP	229 LF of 54" RCP	229	-	-	LF	\$	310.00	\$	70,990.00
Install 60" RCP	512 LF of 60" RCP	512	-	-	LF	\$	350.00	\$	179,200.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	59	-	EA	\$	8,000.00	\$	472,000.00
Install Inlet	Junction Box (Small)	-	45	-	EA	\$	5,000.00	\$	225,000.00
Install 60" Tide Gate	60" Tide Gate	-	1	-	EA	\$	84,800.00	\$	84,800.00
Install 18" RCP Laterals to Inlets	585 LF of 18" RCP	585	-	-	LF	\$	100.00	\$	58,500.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	89720	-	SF	\$	8.00	\$	717,760.00
Excavate Outfall Channel Ditch	600 LF of Excavation	600	-	-	LF	\$	500.00	\$	300,000.00
				Sub-Total				\$	2,787,330.00
			Allowan			\$	418,099.50		
			Allowance - Water/Sewer (50%)					\$	1,393,665.00
			General Construction (15%)				\$	418,099.50	
			Co	ntingency (20%))			\$	557,466.00
	Total Estimated Construction Co	ost						\$	5,574,660.00
Permitting Services (1.5% of Construction Cost)								\$	83,619.90
Engineering and Design Services (5% of Construction Cost)								\$	278,733.00
Construction Administration (5% of Construction Cost)								\$	278,733.00
				Sub-Total				\$	641,085.90
			Со	ntingency (15%))			\$	96,162.89
	Total Estimated Professional Service	es Cost						\$	737,248.79
Total Estimated Project Cost								\$	6,311,908.79
Total Estimated Project Cost (5-Year Cost Escalation A								\$	8,446,757.78
Total Estimated Project Cost (10-Year Cost Escalation	Assuming 6% per Year)							\$	11,303,667.31

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	7721 LF of Existing Pipe	7721	-	-	LF	\$	10.00	\$ 77,210.00
Install 12" RCP	95 LF of 12" RCP	95	-	-	LF	\$	80.00	\$ 7,600.00
Install 18" RCP	649 LF of 18" RCP	2715	-	-	LF	\$	100.00	\$ 271,500.00
Install 24" RCP	2377 LF of 24" RCP	4086	-	-	LF	\$	135.00	\$ 551,610.00
Install 30" RCP	294 LF of 30" RCP	739	-	-	LF	\$	150.00	\$ 110,850.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	84	-	EA	\$	8,000.00	\$ 672,000.00
Install Inlet	Junction Box (Small)	-	64	-	EA	\$	5,000.00	\$ 320,000.00
Install 18" RCP Laterals to Inlets	832 LF of 18" RCP	832	-	-	LF	\$	100.00	\$ 83,200.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	127600	-	SF	\$	8.00	\$ 1,020,800.00
				Sub-Total				\$ 3,114,770.00
		Allowance - Incidental (15%)						\$ 467,215.50
		Allowance - Water/Sewer (50%)						\$ 1,557,385.00
		General Construction (15%)						\$ 467,215.50
			Cor	ntingency (20%))			\$ 622,954.00
	Total Estimated Construction Co	ost						\$ 6,229,540.00
Permitting Services (1.5% of Construction Cost)								\$ 93,443.10
Engineering and Design Services (5% of Construction Cost)								\$ 311,477.00
Construction Administration (5% of Construction Cost)								\$ 311,477.00
				Sub-Total				\$ 716,397.10
			Cor	ntingency (15%))			\$ 107,459.57
	Total Estimated Professional Service	es Cost						\$ 823,856.67
Total Estimated Project Cost								\$ 7,053,396.67
Total Estimated Project Cost (5-Year Cost Escalation A	ssuming 6% per Year)							\$ 9,439,035.83
Total Estimated Project Cost (10-Year Cost Escalation	Assuming 6% per Year)							\$ 12,631,559.17

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost		Improvement Cost
Demolition of Existing Drainage Infrastructure	4600 LF of Existing Pipe	4600	-	-	LF	\$	10.00	\$	46,000.00
Install 18" RCP	2456 LF of 18" RCP	2456	-	-	LF	\$	100.00	\$	245,600.00
Install 24" RCP	2304 LF of 24" RCP	2304	-	-	LF	\$	135.00	\$	311,040.00
Install 30" RCP	1787 LF of 30" RCP	1787	-	-	LF	\$	150.00	\$	268,050.00
Excavate Ditch	364 LF of Ditch	364	-	-	LF	\$	50.00	\$	18,200.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	82	-	EA	\$	8,000.00	\$	656,000.00
Install Inlet	Junction Box (Small)	-	63	-	EA	\$	5,000.00	\$	315,000.00
Install 18" RCP Laterals to Inlets	819 LF of 18" RCP	819	-	-	LF	\$	100.00	\$	81,900.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	124460	-	SF	\$	8.00	\$	995,680.00
					\$	2,937,470.00			
		Allowance - Incidental (15%)						\$	440,620.50
			Allowance	e - Water/Sewei	r (50%)			\$	1,468,735.00
			Genera	I Construction (15%)			\$	440,620.50
			Со	ntingency (20%))			\$	587,494.00
	Total Estimated Construction Co	ost						\$	5,874,940.00
Permitting Services (1.5% of Construction Cost)								\$	88,124.10
Engineering and Design Services (5% of Construction Cost)								\$	293,747.00
Construction Administration (5% of Construction Cost)								\$	293,747.00
				Sub-Total				\$	675,618.10
			Coi	ntingency (15%))			\$	101,342.72
	Total Estimated Professional Service	es Cost						\$	776,960.82
Total Estimated Project Cost								\$	6,651,900.82
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Vear)							¢	8,901,743.81
								φ	
Total Estimated Project Cost (10-Year Cost Escalation	n Assuming 6% per Year)							\$	11,912,541.25

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost	Improvement Cost
Demolition of Existing Drainage Infrastructure	1813 LF of Existing Pipe	1813	-	-	LF	\$	10.00	\$ 18,130.00
Install 18" RCP	1057 LF of 18" RCP	1057	-	-	LF	\$	100.00	\$ 105,700.00
Install 24" RCP	1969 LF of 24" RCP	1969	-	-	LF	\$	135.00	\$ 265,815.00
Install 30" RCP	575 LF of 30" RCP	575	-	-	LF	\$	150.00	\$ 86,250.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	39	-	EA	\$	8,000.00	\$ 312,000.00
Install Inlet	Junction Box (Small)	-	30	-	EA	\$	5,000.00	\$ 150,000.00
Install 18" RCP Laterals to Inlets	390 LF of 18" RCP	390	-	-	LF	\$	100.00	\$ 39,000.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	58520		SF	\$	8.00	\$ 468,160.00
				Sub-Total				\$ 1,445,055.00
		Allowance - Incidental (15%)						\$ 216,758.25
		Allowance - Water/Sewer (50%)						\$ 722,527.50
		General Construction (15%)						\$ 216,758.25
			Cor	ntingency (20%))			\$ 289,011.00
	Total Estimated Construction Co	ost						\$ 2,890,110.00
Permitting Services (1.5% of Construction Cost)								\$ 43,351.65
Engineering and Design Services (5% of Construction Cost)								\$ 144,505.50
Construction Administration (5% of Construction Cost)								\$ 144,505.50
				Sub-Total				\$ 332,362.65
			Сог	ntingency (15%))			\$ 49,854.40
	Total Estimated Professional Service	es Cost						\$ 382,217.05
Total Estimated Project Cost								\$ 3,272,327.05
Total Estimated Project Cost (5-Year Cost Escalation	Assuming 6% per Year)							\$ 4,379,111.75
Total Estimated Project Cost (10-Year Cost Escalatio								\$ 5,860,239.36

Description	Proposed Improvement	Length	Quantity	Count	Units		Unit Cost	Improvement Cost
Install 24" RCP	214 LF of 24" RCP	214	-	-	LF	\$	135.00	\$ 28,890.00
Install 30" RCP	1229 LF of 30" RCP	1229	-	-	LF	\$	150.00	\$ 184,350.00
Install Junction Box (Inlet, Manhole, or CFB)	Junction Box (Medium)	-	20	-	EA	\$	8,000.00	\$ 160,000.00
Install Inlet	Junction Box (Small)	-	15	-	EA	\$	5,000.00	\$ 75,000.00
Install 18" RCP Laterals to Inlets	195 LF of 18" RCP	195	-	-	LF	\$	100.00	\$ 19,500.00
Road Paving and Milling	Refinishing Road Surface Post Construction	-	29980	-	SF	\$	8.00	\$ 239,840.00
				Sub-Total				\$ 707,580.00
			Allowand	ce - Incidental (15%)			\$ 106,137.00
			Allowance - Water/Sewer (50%)					\$ 353,790.00
			General	Construction (2	15%)			\$ 106,137.00
			Cor	ntingency (20%)				\$ 141,516.00
	Total Estimated Construction Co	st						\$ 1,415,160.00
Permitting Services (1.5% of Construction Cost)								\$ 21,227.40
Engineering and Design Services (5% of Construction Cost)								\$ 70,758.00
Construction Administration (5% of Construction Cost)								\$ 70,758.00
				Sub-Total				\$ 162,743.40
			Cor	ntingency (15%))			\$ 24,411.51
	Total Estimated Professional Service	es Cost						\$ 187,154.91
Total Estimated Project Cost								\$ 1,602,314.91
Total Estimated Project Cost (5-Year Cost Escalation As	suming 6% per Year)							\$ 2,144,258.80
Total Estimated Project Cost (10-Year Cost Escalation A	Assuming 6% per Year)							\$ 2,869,501.97