

**Detailed Estimate**

ITEM #	REF. SHEET	DETAIL	CSI SECT	GENERAL	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL ITEM COST	TRADE COST
			DIV-01	GENERAL												\$ -
1				Permit		1	0%	1	LS						\$ -	
2				Supervision		1	0%	1	LS						\$ -	
3				Final Cleanup		1	0%	1	LS						\$ -	
4				Mobilization Cost		1	0%	1	LS						\$ -	
5				Project Overheads		1	0%	1	LS						\$ -	
6				Bonds		1	0%	1	LS						\$ -	
7				Fees (Architect & Engineer)		1	0%	1	LS						\$ -	
8				Temporary Control & Facilities		1	0%	1	LS						\$ -	
			DIV-31	EARTHWORK												\$ -
9				Grading												\$ -
				Fill		27,350	20%	32,820	CY			\$ -	\$ -	\$ -	\$ -	\$ -
			DIV-32	EXTERIOR IMPROVEMENTS												\$ -
				<b>Storm Water Pollution Prevention Plan</b>												\$ -
10				Silt Fence		2,122	10%	2,334	LF			\$ -	\$ -	\$ -	\$ -	\$ -
11				Flume Protection		153	10%	168	LF			\$ -	\$ -	\$ -	\$ -	\$ -
12				Construction Entrance		1,080	10%	1,188	SF			\$ -	\$ -	\$ -	\$ -	\$ -
13				Gutter Buddy		135	10%	149	LF			\$ -	\$ -	\$ -	\$ -	\$ -
14				Barricade		46	10%	50	LF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Site Plan</b>												\$ -
				<b>Sidewalks</b>												\$ -
15				Sidewalks: -Lime Rock Base		11,016	10%	12,118	SF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Standard Duty Asphalt Pavement</b>												\$ -
				1.5" Top of Pavement -6" Limerock Base		34750	10%	38,225	SF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Buffer</b>												\$ -
16				25' Wide Wetland Buffer		771	10%	848	LF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Curb</b>												\$ -
17				Curb & Gutter		1,780	10%	1,958	LF			\$ -	\$ -	\$ -	\$ -	\$ -
18				Mountable Curb		114	10%	126	LF			\$ -	\$ -	\$ -	\$ -	\$ -
19				2' Drop Curb		80	10%	88	LF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Pipe</b>												\$ -
20				Steel Pipe Guiderail Index 545-080		54	10%	59	LF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Ramp</b>												\$ -
21				Handicap Ramp		193	10%	213	SF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Parking Strips</b>												\$ -
22				4" Single White Solid Line Parking Strips		1,437	10%	1,580	LF			\$ -	\$ -	\$ -	\$ -	\$ -
23				24" Crosswalk Striping		48	10%	53	LF			\$ -	\$ -	\$ -	\$ -	\$ -
24				24" Solid White Stop Bar & 4"/DYSL		40	10%	44	LF			\$ -	\$ -	\$ -	\$ -	\$ -
25				12" Crosswalk Striping		157	10%	172	LF			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Sign</b>												\$ -
26				Monument Sign		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
27				Painted Handicap Sign		4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Handicap Parking Sign Mounted on Post</b>												\$ -
28				7' H Rod W/ Handicap Sign		4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	\$ -
29				7' H Rod W/ Stop Sign		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
30				Post Footing		0	10%	0	CY			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Chain Link Fence</b>												\$ -
31				6' Wide Gate		3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	\$ -
32				4' H Black Vinyl Chain Link Fence		1,276	10%	1,404	LF			\$ -	\$ -	\$ -	\$ -	\$ -
33				12' Wide Equipment Gate		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Post Footing</b>												\$ -
34				12" Dia Post Footing		9	20%	11	CY			\$ -	\$ -	\$ -	\$ -	\$ -
35				Cut		9	20%	11	CY			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Rack</b>												\$ -
36				7.5' Wide Bicycle Rack		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>Bleachers</b>												\$ -
37				(3-7x21') Bleachers		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>STORM DRAINAGE</b>												\$ -
38				12" Perforated HDPE Underdrain		872	10%	959	LF			\$ -	\$ -	\$ -	\$ -	\$ -
39				8" PVC Pipe		192	10%	211	LF			\$ -	\$ -	\$ -	\$ -	\$ -
40				14"x23" Storm Pipe		176	10%	194	LF			\$ -	\$ -	\$ -	\$ -	\$ -
41				6" Thick Concrete Weir (3 EA)		139	10%	153	SF			\$ -	\$ -	\$ -	\$ -	\$ -
42				1"x12" Drainage Panel @ 20' O.C (91269 SF)		4,590	10%	5,049	LF			\$ -	\$ -	\$ -	\$ -	\$ -
43				Proposed Segmental Block Retaining Wall (147LF, 2.5'H)		368	10%	405	SF			\$ -	\$ -	\$ -	\$ -	\$ -
44				Nyloplast H-10 Light Duty 12" Square Yard Drain		2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	\$ -
45				12" WYE Fitting		8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	\$ -
46				8" WYE Fitting		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
47				6" Clean Out		9	0%	9	EA			\$ -	\$ -	\$ -	\$ -	\$ -
48				5'x5' Rip Rap Pad		3	0%	3	EA			\$ -	\$ -	\$ -	\$ -	\$ -
49				5'x10' Rip Rap Pad		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
50				4'x8' Rip Rap Pad		4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	\$ -
51				3'x22' Rip Rap Pad		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
52				3'x7' Rip Rap Pad		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
53				3'x5' Rip Rap Pad		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>UTILITY</b>												\$ -
54				6" PVC Sanitary Sewer		96	10%	106	LF			\$ -	\$ -	\$ -	\$ -	\$ -
55				1" Poly Water Service		118	10%	130	LF			\$ -	\$ -	\$ -	\$ -	\$ -
56				1" Poly Reclaim Water Service		103	10%	113	LF			\$ -	\$ -	\$ -	\$ -	\$ -
57				1.25" PVC Foremain		23	10%	25	LF			\$ -	\$ -	\$ -	\$ -	\$ -
58				4" PVC Foremain		92	10%	101	LF			\$ -	\$ -	\$ -	\$ -	\$ -
59				2.4" Schedule 40 PVC Electrical Conduits		292	10%	321	LF			\$ -	\$ -	\$ -	\$ -	\$ -
60				Sanitary Sewer Cleanout		2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	\$ -
61				1" Domestic Water Meter		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
62				1" RPZBFP Valve		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
63				4"x1.25" Reducer		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
64				Private Jet Pump Out Assembly		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
65				1" Reclaimed Water Meter		1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	\$ -
66				4" PVC 45 Degree Bend		2	0%	2	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>DEMOLITION</b>												\$ -
67				TREES TO BE REMOVED		33	0%	33	EA			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>CLEARING AND GRUBBING</b>												\$ -
68				Total area for clearing and grubbing		256,875	10%	282,563	SF			\$ -	\$ -	\$ -	\$ -	\$ -
69				6" Stripping cut		4,757	10%	5,233	CY			\$ -	\$ -	\$ -	\$ -	\$ -
				<b>LANDSCAPING</b>												\$ -
				<b>TREES</b>												\$ -
70				Red Maple		41	0%	41	EA			\$ -	\$ -	\$ -	\$ -	\$ -
71				Dahoon Holly		8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	\$ -
72				Dynamite Myrtle		11	0%	11	EA			\$ -	\$ -	\$ -	\$ -	\$ -
73				Muskogee Crape Myrtle		12	0%	12	EA			\$ -	\$ -	\$ -	\$ -	\$ -
74				Sweetbay Mangolia		16	0%	16	EA			\$ -	\$ -	\$ -	\$ -	\$ -
75				Dura Heat River Birch		9	0%	9	EA			\$ -	\$ -	\$ -	\$ -	\$ -
76				Live Oak		24	0%	24	EA			\$ -	\$ -	\$ -	\$ -	\$ -

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				<b>IRRIGATION</b>											
85				Rain Bird RD-06-P30-F-NP-U 15 Strip Series Turf Spray, 6.0" Pop-up W/ 30 PSI in-stem pressure regulation, Flow-Shield Technology and Non-Potable Cover (Purple Cap), 1/2" NPT Female Threaded Inlet	8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	
86				Rain Bird RD-06-P30-F-NP-U HE-VAN Series Turf Spray, 6.0" Pop-up W/ 30 PSI in-stem pressure regulation, Flow-Shield Technology and Non-Potable Cover (Purple Cap), 1/2" NPT Female Threaded Inlet	37	0%	37	EA			\$ -	\$ -	\$ -	\$ -	
87				Hunter AFB Adjustable Flow Bubbler, 1/2" FIPT, Stainless Steel Screw Adjustment.	176	0%	176	EA			\$ -	\$ -	\$ -	\$ -	
88				Rain Bird F4-PC, FC-NP Turf Rotor, 4.0" Pop-up, Plastic Riser, Adjustable and Full Circle with Removeable Seal-A-Matic Check Valve, 1" Female Threaded Inlet with Non-Potable Purple Cover	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
89				Rain Bird F4-PC, FC-NP Turf Rotor, 4.0" Pop-up, Plastic Riser, Adjustable and Full Circle with Removeable Seal-A-Matic Check Valve, 1" Female Threaded Inlet with Non-Potable Purple Cover	46	0%	46	EA			\$ -	\$ -	\$ -	\$ -	
90				Rain Bird XCZ-150-LCDR High Flow Control Zone Kit for Large Commercial Drip Zones, 1-1/2" PESB-R Scrubber Globe Valve w Single 1-1/2" Pressure Regulating Quick-Check Basket Filters Flow Range 15-62 GPM	8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	
91				Rain Bird MDCFCAP Dripline Flush Valve Purple Cap in Compression Fitting Coupler. For Non-Potable Water Use.	20	0%	20	EA			\$ -	\$ -	\$ -	\$ -	
92				Rain Bird OPERIND Drip System Operation Indicator, Stem Rise, 6" for Clear Visibility when Drip System is Charged to a Minimum of 20 PSI. Includes 16' of 1/4" Distribution Tubing with Connection Fitting Pre-Installed.	15	0%	15	EA			\$ -	\$ -	\$ -	\$ -	
93				Rain Bird XP-0600X DRIP MICRO-SPRAY Low-Volume, Low-Pressure, Drip 6.0" Pop-up Spray, 1/4" Barbed Inlet. Nozzle Options: SQ Series, 5 MPR Series, 8 MPR Series, and 5 Series Plastic Bubbler.	74	0%	74	EA			\$ -	\$ -	\$ -	\$ -	
94				Area to Receive Dripline Rain Bird XFD-09-12-NP XFD on Surface Pressure Compensating Landscape Dripline	17,062	10%	18,768	LF			\$ -	\$ -	\$ -	\$ -	
95				Rain Bird PESBR 11 1", 1-1/2", and 2" Durable Chlorine-Resistant Valves for Reclaimed Water Applications. With Scrubber Mechanism Technology, and Purple Flow Control Handle.	11	0%	11	EA			\$ -	\$ -	\$ -	\$ -	
96				Rain Bird 44-NP 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Non-Potable Purple Rubber Cover, and 2-Piece Body.	8	0%	8	EA			\$ -	\$ -	\$ -	\$ -	
97				Matco-Norca 759 Brass Shut Off Ball Valve, 1/2" to 4". Two Piece Body, Blow-Out Proof Stem, Chrome Plated Solid Brass Ball, Threaded, with PTFE Seats. Same size as mainline pipe.	4	0%	4	EA			\$ -	\$ -	\$ -	\$ -	
98				Rain Bird PESB 2" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
99				Hunter ACC-1800-PP 18 Station Outdoor Modular Controller. With one ACM-600 module. High-End Commercial Use. Plastic Pedestal	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
100				Hunter ROAMXL-KIT Transmitter and Receiver. Roam Remote allows for controller operation up to 2 miles. Contractor, Large-Scale Sites. Works with Hunter ACC, I-Core, Pro-C, PCC, and X-Core Controllers. SmartPort wirine harness included	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
101				Hunter WSS-SEN Wireless Solar, rain freeze sensor with outdoor interface, connects to Hunter X-Core and ACC Controllers, install as noted. Includes gutter mount bracket. Module not included	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
102				Hunter HFS-300 Flow Sensor for use with ACC controller, 3" Schedule 40 Sensor Body, 24 VAC, 2 amp	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
103				Water Meter 2" contractor shall be responsible to verify the source's ability to service the system requirements at site before starting construction.	1	0%	1	EA			\$ -	\$ -	\$ -	\$ -	
104				Irrigation Lateral Line: PVC Class 200 SDR 21-NP Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size. Install 12" below final grade.	8305	10%	9,136	LF			\$ -	\$ -	\$ -	\$ -	
105				Irrigation Mainline: PVC Class 200 SDR 21-NP Pipe sizes 3" inch or smaller shall have bell and socket joints. Pipe sizes larger than 3" inch shall have snap connections w/ rubber gasket joints. thrust blocked. Install 18" below grade.	1515	10%	1,667	LF			\$ -	\$ -	\$ -	\$ -	
106				Pipe Sleeve: PVC Schedule 40 Irrigation sleeves shall be Schedule 40 PVC pipe up to 4" pipe and CL200 for 6" and above. The depth of the sleeves shall be a minimum 30" cover from finished grade (top of asphalt) under roadway crossings and 24" under all sidewalks and hardscapes	235	10%	259	LF			\$ -	\$ -	\$ -	\$ -	
<b>SUB TOTAL</b>													\$ -	\$ -	
<b>INSURANCE</b>									0%				\$ -	\$ -	
<b>OVERHEAD AND PROFIT</b>									20%				\$ -	\$ -	
<b>TOTAL BASE BID</b>													\$ -	\$ -	