

ESTIMATE QUANTITIES																														11/5/2019			
Contract ID	Contract	Geotech Sub Reach	Length (FT)	Toe to toe	X-Section Distance(FT)	Cross sectional area	Silt Fence (LF/Lift)	1st Lift			Footprint width**	S&M, C&G (ACRES) ***	2nd Lift			Footprint width **	S&M, C&G (ACRES) ***	3rd Lift			Footprint width **	S&M, C&G (ACRES) ***	4th Lift			Footprint width **	S& M , C&G (ACRES) ***	TOTAL FILL QTY PER ALT	Total Seeding and Mulching , C&G (AC)	Tot. Silt Fence (LF)	Armoring (SY)		
								Year	Height of lift (FT)	Inplace Fill (CY)			Year	Height (FT)	Fill (CY)			Year	Height (FT)	Fill (CY)			Year	Height (FT)	Fill (CY)								
Alt 1 Design EL 7.5	No additional lifts or berm included	D	20275	68	98	270	50688	2023	7	202,752	148.0	68.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					155443	
Lift to 8.5		E	11352	68	98	270	28380	2023	7	113,520	148.0	38.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,086,096	369.0	271524.0		87032	
Base 1.5		F,K	24816	68	98	270	62040	2023	7	248,160	148.0	84.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					190256	
1:4 SS		G	34478	68	98	270	86196	2023	7	344,784	148.0	117.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					264334	
		H	17688	68	98	270	44220	2023	7	176,880	148.0	60.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					135608	
	Armoring only	A	25344	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					183040	
	Armoring only	B	16526	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					119357	
	Armoring only	C	20117	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					145288	
Alt 2 Design EL 8.5 to El 9.5	Existing levee to el 7.5, 204 SF	A	25344	76	106	136	63360	2023	8	127,659	156.0	90.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					205568	
	Existing levee to el 7.5, 204 SF	B	16526	76	106	136	41316	2023	8	83,244	156.0	59.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					134047	
	Existing levee to el 7.5, 204 SF	C	20117	76	106	136	50292	2023	8	101,329	156.0	72.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					163170		
		D	20275	76	106	340	50688	2023	8	255,317	156.0	72.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					164454	
	No additional lifts or berm included	E	11352	76	106	340	28380	2023	8	142,951	156.0	40.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					92077	
	D thru H Lift to EL 9.5	F,K	15154	76	106	340	37884	2023	8	190,823	156.0	54.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					122913	
		G	28512	76	106	340	71280	2023	8	359,040	156.0	102.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					231264	
		H	17688	76	106	340	44220	2023	8	222,738	156.0	63.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					143469	
Alt 3	No additional lifts or berm included	D	20275	68	98	270	50688	2023	7	202,752	148.0	68.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					155443	
Lift to 8.5		E	11352	68	98	270	28380	2023	7	113,520	148.0	38.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					87032	
Base 1.5, 1:4 SS		F,K	75082	68	98	270	187704	2023	7	750,816	148.0	255.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					190256	
Alt 5	No additional lifts or berm included	D	20275	68	98	270	50688	2023	7	202,752	148.0	68.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					155443.2	
	1:4 SS	E	11352	68	98	270	28380	2023	7	113,520	148.0	38.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					87032	
		F,K	24816	68	98	270	62040	2023	7	248,160	148.0	84.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					190256	
		G	17424	68	98	270	43560	2023	7	174,240	148.0	59.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A					133584	
Alt 6 100 year Lift to 15 1:4 SS	Existing levee to el 7.5, 314 SF	A	25344	130	160	563	63360	2023	13.5	528,469	210.0	122.2	2036	3	554752	264	154	2049	3	446805	250	145	2062	3.5	629845	264	154					205568	
	Existing levee to el 7.5, 195 SF	B	16526.4	130	160	682	41316	2023	13.5	417,445	210.0	79.7	2036	3	361745	264	100	2049	3	291354	250	95	2062	3.5	410712	264	100					134047	
	Existing levee to el 7.5, 159 SF	C	20116.8	130	160	718	50292	2023	13.5	534,958	210.0	97.0	2036	3	440334	264	122	2049	3	354652	250	115	2062	3.5	499940	264	122					163170	
	1st lift to 15', 2nd lift to 17', third lift to 19', 4th lift to 21'/base avg is 1.5	D	20275	130	160	877	50688	2023	13.5	658,569	210.0	97.7	2034	3.5	443802	264	123	2047	3.5	357444	250	116	2060	3.5	503876	264	123					164454	
		E	11352	130	160	877	28380	2023	13.5	368,730	210.0	54.7	2034	3.5	248483	264	69	2047	3.5	200132	250	65	2060	3.5	282118	264	69					92077	
		F,K	22704	130	160	877	56760	2023	13.5	737,460	210.0	109.5	2034	3.5	496965	264	138	2047	3.5	400263	250	130	2060	3.5	564236	264	138					184155	
		G	26558	130	2	877	66396	2023	13.5	862,656	52.0	31.7	2034	3.5	581334	264	161	2047	3.5	468215	250	152	2060	3.5	660025	264	161					215418	
		H	14414	130	160	877	36036	2023	13.5	468,201	210.0	69.5	2034	3.5	315515	264	87	2047	3.5	254121	250	83	2060	3.5	358225	264	87					116917	
	Alt 8 Lift to 15 1:4 SS	1st lift to 15', 2nd lift to 17', third lift to 19', 4th lift to 21'/base avg is 1.5	A	25344	130	160	563	63360	2023	13.5	528,469	210.0	122.2	2036	3	554752	234	136	2049	3	446805	2050	1193	2062	3.5	629845	264	154					205568
			B	16526.4	130	160	682	41316	2023	13.5	417,445	210.0	79.7	2036	3	361745	234	89	2049	3	291354	2050	778	2062	3.5	410712	264	100					134047
C			20116.8	130	160	718	50292	2023	13.5	534,958	210.0	97.0	2036	3	440334	234	108	2049	3	354652	2050	947	2062	3.5	499940	264	122					163170	
D			20275	130	160	877	50688	2023	13.5	658,569	210.0	97.7	2034	3.5	443802	234	109	2047	3.5	357444	2050	954	2060	3.5	503876	264	123					164454	
E			11352	130	160	877	28380	2023	13.5	368,730	210.0	54.7	2034	3.5	248483	234	61	2047	3.5	200132	2050	534	2060	3.5	282118	264	69					92077	
F,K		15154	130	160	877	37884	2023	13.5	492,211	210.0	73.1	2034	3.5	331695	234	81	2047	3.5	267152	2050	713	2060	3.5	376595	264	92					122913		
G, H, and I have 115' crown		G	28512	130	160	2368	71280	2023	13.5	2,500,608	210.0	137.5	2051	3.5	1347456	234	153	2059	4	1524864	2050	1342	2067	3.7	4506480	264	173					608256	
		I	10877	130	160	2368	27192	2023	13.5	953,936	210.0	52.4	2051	3.5	514030	234	58	2059	4	581707	2050	512	2067	3.7	1719139	264	66					232038</	