

PROJECT NO.	SHEET NO.
HI-0016	38-3

SUMMARY OF QUANTITIES - DRAINAGE

PROJECT NO	COUNTY	DRAINAGE ITEM NO	PLAN SHEET	ROUTE	Hydraulics Recommendation	Median 2GI structure depth	0106000000-E	0318000000-E	0321000000-E	0366000000-E	0372000000-E	0378000000-E	0384000000-E	0390000000-E	0588000000-E	1220000000-E	2253000000-E	
							BORROW EXCAVATION	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	FOUNDATION CONDITIONING GEOTEXTILE	15" RC PIPE CULVERTS, CLASS III	18" RC PIPE CULVERTS, CLASS III	24" RC PIPE CULVERTS, CLASS III	30" RC PIPE CULVERTS, CLASS III	36" RC PIPE CULVERTS, CLASS III	18" CS PIPE CULVERTS, 0.064" THICK	INCIDENTAL STONE BASE	PIPE COLLARS	
							CY	TON	SY	LF	LF	LF	LF	LF	TON		CY	
		1	4	46+00 I74EBL Rt.	Remove and replace 8' of 18" rcp on each end of pipe. Extend with concrete collars.	n/a	0.3		0.0						16		0.8930	
		2	4	66+50 I74EBL It. (median)	Remove and replace existing 2GI. Remove and replace 4' of 18" rcp with concrete collar	4.1'	0.7	0.4	1.3		4						0.4465	
		3	4	70+05 I74EBL Rt.	Remove and replace 12' of 24" rcp with 2 concrete collars. Remove and replace existing 2GI. Remove and replace 8' of 15" rcp with concrete collar. Replace 8' of 6' wide conc ditch each side of 2GI	n/a	0.4	1.3	4.0			12					1.1052	
		4	4	77+40 I74EBL It. (median)	Remove and replace existing 2GI. Remove and replace 8' of 15" rcp with concrete collar	5.0'	0.8	0.8	2.7		8						0.3990	
		5	5	101+90 I74EBL It. (median)	Remove and replace existing 2GI. Remove and replace 8' of 15" rcp with concrete collar	3.2'	0.5	0.8	2.7		8						0.3990	
		6	5	105+90 I74EBL It. (median)	replace concrete apron. Remove and replace 8' of 15" rcp with concrete collar	4.6'	0.7	0.8	2.7		8						0.3990	
		7	5	124+15 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 30" rcp with concrete collar on each side of structure.	3.3'	0.7	0.8	2.7			8					1.3120	
		8	5	128+25 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 30" rcp with concrete collar on each side of structure.	3.3'	0.7	0.8	2.7			8					1.3120	
		8A	5	135+00 I74EBL It. (median)	Replace concrete apron.													
		9	6	150+00 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 24" rcp with concrete collar on each side of structure.	7.4'	1.4	0.8	2.7			8					1.1052	
		10	6	170+45 I74EBL It. (median)	Replace concrete apron.	2.6'												
		11	6	192+62 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar.	1.8'	0.3	0.4	1.3		4						0.3990	
		12	6	199+75 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar.	2.8'	0.4	0.4	1.3		4						0.3990	
		12A	6	203+75 I74EBL It. (median)	Replace concrete apron.													
		13	7	211+10 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 8' of 24" rcp with concrete collar on north side of structure. Remove and replace 4' of 24" rcp with concrete collar on south side of structure.	3.9'	0.7	1.3	4.0			12					1.1052	
		14	7	215+60 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	2.3'	0.4	0.4	1.3		4						0.4465	
		15	7	222+50 I74EBL It. (median)	Replace concrete apron	3.0'												
		16	7	227+80 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 12' of 30" rcp with concrete collar on north side of structure. Remove and replace 4' of 30" rcp with concrete collar on south side of structure.	5.2'	1.1	1.7	5.3				16				1.3120	
		17	7	234+60 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	2.1'	0.4	0.4	1.3		4						0.4465	
		18	7	241+10 I74EBL It. (median)	Replace concrete apron. Remove and replace 8' of 36" rcp with concrete collar on north side of structure	5.8'	1.3		0.0					8			0.7640	
		19	7	247+40 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar on east side and 4' of 18" rcp with concrete collar on south side	3.2'	0.5	0.8	2.7		4	4					0.8455	
		20	7	255+30 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar.	1.8'	0.3	0.4	1.3		4						0.3990	
		21	7	264+25 I74EBL It. (median)	Remove and replace 8' of 15" rcp with 2 concrete collars	min depth	0.3	0.8	2.7		8						0.7980	
		22	7	277+75 I74EBL It. (median)	Replace concrete apron.	6.1'	1.5											
		23	8	296+35 I74EBL It. (median)	Replace concrete apron.	5.3'	1.3											
		23A	8	317+00 I74EBL It. (median)	Replace concrete apron.													
		24	8	321+75 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	3.2'	0.5	0.4	1.3		4						0.4465	
		25	8	331+30 I74EBL It. (median)	Replace concrete apron.	4.8'	1.2											
		26	8	338+25 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	3.2'	0.5	0.4	1.3		4						0.4465	
		26A	8	351+00 I74EBL It. (median)	Replace concrete apron.													
		27	9	419+15 I74EBL It. (median)	Replace concrete apron.	3.5'												
		28	10	456+08 I74EBL It. (median)	Adjust 2GI structure depth 1.25' higher, regrade ditch +/- .25' on either side of box to accommodate increase structure height.	2.8'	11.1											
		29	10	467+30 I74EBL It. (median)	Replace concrete apron.	4.5'												
		30	10	486+20 I74EBL It. (median)	Replace concrete apron.	3.4'												
		31	12	605+00 I74EBL It. (median)	Replace concrete apron.													
							SAY											
							TOTAL	27.9	14.4	45.3	48	24	32	32	8	16	250	15.1786
								30	16	50	48	24	32	32	8	16	250	15.5

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Robison