

PROJECT NO.

HI-0016

SHEET NO.

38-4

## SUMMARY OF QUANTITIES - DRAINAGE &amp; EROSION CONTROL FOR DRAINAGE

PROJECT NO.	COUNTY	DRAINAGE ITEM NO.	PLAN SHEET	ROUTE	Hydraulics Recommendation	Median 2GI structure depth	228600000-N	230800000-E	236500000-N	247300000-N	261900000-E	281500000-N	600000000-E	601200000-E	602900000-E	604200000-E	607101000-E	608400000-E	611700000-N	611750000-N
							MASONRY DRAINAGE STRUCTURES	MASONRY DRAINAGE STRUCTURES	FRAME WITH TWO GRATES, STD 840.22	GENERIC DRAINAGE ITEM - CONCRETE APRON FOR DROP INLET	4" CONCRETE PAVED DITCH	ADJUSTMENT OF DROP INLETS	TEMPORARY SILT FENCE	SEDIMENT CONTROL STONE	SAFETY FENCE	1/4" HARDWARE CLOTH	WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL	CONCRETE WASHOUT STRUCTURE
							EA	LF	EA	EA	SY	EA	LF	TON	LF	LF	LF	ACR	EA	EA
		1	4	46+00 I74EBL Rt.	Remove and replace 8' of 18" rcp on each end of pipe. Extend with concrete collars.	n/a								5		40	40	0.10		
		2	4	66+50 I74EBL It. (median)	Remove and replace existing 2GI. Remove and replace 4' of 18" rcp with concrete collar	4.1'	1		1					5		40	40	0.10		
		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								5		40	40	0.10		
		4	4	77+40 I74EBL It. (median)	Remove and replace existing 2GI. Remove and replace 8' of 15" rcp with concrete collar	5.0'	1		1		5.3			5		40	40	0.10		
		5	5	101+90 I74EBL It. (median)	replace concrete apron. Remove and replace 8' of 15" rcp with concrete collar	3.2'	1		1					5		40	40	0.10		
		6	5	105+90 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 30" rcp with concrete collar on each side of structure.	4.6'				1				5		40	40	0.10		
		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'	1		1					5		40	40	0.10		
		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'	1		1					5		40	40	0.10		
		8A	5	135+00 I74EBL It. (median)	Replace concrete apron.					1										
		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	2.4	1					5		40	40	0.10		
		10	6	170+45 I74EBL It. (median)	Replace concrete apron.	2.6'				1				5		40	40	0.10		
		11	6	192+62 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar	1.8'	1		1					5		40	40	0.10		
		12	6	199+75 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar.	2.8'	1		1					5		40	40	0.10		
		12A	6	203+75 I74EBL It. (median)	Replace concrete apron.					1										
		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'	1		1					5		40	40	0.10		
		14	7	215+60 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	2.3'	1		1					5		40	40	0.10		
		15	7	222+50 I74EBL It. (median)	Replace concrete apron	3.0'				1				5		40	40	0.10		
		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	0.2	1					5		40	40	0.10		
		17	7	234+60 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	2.1'	1		1					5		40	40	0.10		
		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				5		40	40	0.10		
		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'	1		1					5		40	40	0.10		
		20	7	255+30 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 15" rcp with concrete collar.	1.8'	1		1					5		40	40	0.10		
		21	7	264+25 I74EBL It. (median)	Remove and replace 8' of 15" rcp with 2 concrete collars	min depth								5		40	40	0.10		
		22	7	277+75 I74EBL It. (median)	Replace concrete apron.	6.1'				1				5		40	40	0.10		
		23	8	296+35 I74EBL It. (median)	Replace concrete apron.	5.3'				1				5		40	40	0.10		
		23A	8	317+00 I74EBL It. (median)	Replace concrete apron.					1										
		24	8	321+75 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	3.2'	1		1					5		40	40	0.10		
		25	8	331+30 I74EBL It. (median)	Replace concrete apron.	4.8'				1				5		40	40	0.10		
		26	8	338+25 I74EBL It. (median)	Remove and replace 2GI. Remove and replace 4' of 18" rcp with concrete collar.	3.2'	1		1					5		40	40	0.10		
		26A	8	351+00 I74EBL It. (median)	Replace concrete apron.					1										
		27	9	419+15 I74EBL It. (median)	Replace concrete apron.	3.5'				1				5		40	40	0.10		
		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'						1		5		80	40	0.10		
		29	10	467+30 I74EBL It. (median)	Replace concrete apron.	4.5'				1				5		40	40	0.10		
		30	10	486+20 I74EBL It. (median)	Replace concrete apron.	3.4'				1				5		40	40	0.10		
		31	12	605+00 I74EBL It. (median)	Replace concrete apron.					1										
SAY							16	2.6	16	15	5.3	1	400	150	300	1,240	1,200	3.00	7	10
TOTAL							16	2.6	16	15	6.0	1	400	150	300	1,250	1,200	3.0	7	10

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Robeson