

LINK TABLE (Q ₅₀ FOR SURCHARGING)																												
<div>I.D. NO.: 15-17 I77 DB PROJ. NO.: P027002 DESC: I-77 NB & SB Widening & Rehabilitation</div>								<div>STATE SC COUNTY: RICHLAND</div>								<div>CREATED: 3/23/2016 REVISED: 11/28/2016 APPROVED:</div>								<div>DESIGNED BY: CAA REVISD BY: CAA APPROVED BY:</div>				
Link ID	Description	US Node	DS Node	Shape	Material	# of Barrels	Rise (ft)	Act L (ft)	Slope (%)	Q (cfs)	Cap (cfs)	Unif Flow Depth (ft)	Unif Vel. (fps)	US Soffit (ft)	US HGL (ft)	DS Soffit (ft)	DS HGL (ft)	US Invert (ft)	DS Invert (ft)	Act Vel. US (fps)	Act Vel. DS (fps)	Act Depth US (ft)	Act Depth DS (ft)	US Node Station				
									NETWORK OP-0643																			
									(SEE DRAINAGE PROFILE SHEET PF-6)																			
NP-0642		JB-0642	OP-0643	Circular	Concrete	1	1.5	16	0.50	12.1	8.7	1.50	7.0	284.50	284.69	284.44	284.26	283.00	282.94	6.8	7.3	1.5	1.3	1224+31				
NP-0641		JB-0641	JB-0642	Circular	Concrete	1	1.5	26	5.68	12.1	29.2	0.70	14.9	292.50	292.90	291.00	290.32	291.00	289.50	6.8	12.2	1.5	0.8	1224+10				
NP-0640		JB-0640	JB-0641	Circular	Concrete	1	1.5	53	1.14	12.1	13.0	1.22	7.8	296.70	297.12	296.10	295.83	295.20	294.60	6.8	7.8	1.5	1.2	1224+13				
EP-0611	RETAIN & INSPECT	EX-0605	JB-0640	Circular	Concrete	1	1.5	69	32.50	12.1	69.8	0.44	28.1	319.11	320.45	296.70	295.65	317.61	295.20	6.8	27.0	1.5	0.5	1223+45				
									NETWORK OP-0683																			
									(SEE DRAINAGE PROFILE SHEET PF-6)																			
EP-0612	RETAIN*	EX-0608	OP-0683	Circular	Concrete	1	1.5	79	2.60	16.9	19.7	1.13	11.8	282.55	283.75	280.50	280.17	281.05	279.00	9.5	11.4	1.5	1.2	1224+49				
EP-0610	RETAIN	EX-0606	EX-0608	Circular	Concrete	1	1.5	176	2.98	5.2	21.1	0.53	9.4	287.93	287.59	282.70	281.73	286.43	281.20	3.5	9.3	1.2	0.5	1224+33				
EP-0608	RETAIN	EX-0607	EX-0606	Circular	Concrete	1	1.5	76	0.13	1.7	4.4	0.66	2.3	288.03	287.61	287.93	287.59	286.53	286.43	1.3	1.2	1.1	1.2	1225+13				
									NETWORK OP-0680																			
									(SEE DRAINAGE PROFILE SHEET PF-7)																			
EP-0614	RETAIN	EX-0610	OP-0680	Circular	Concrete	1	1.5	71	2.40	10.2	18.9	0.82	10.3	295.22	294.98	293.52	292.87	293.72	292.02	6.5	9.9	1.3	0.9	1230+02				
NP-0631	REPLACE	DN-0632	EX-0610	Circular	Concrete	1	1.5	16	2.19	9.5	18.1	0.81	9.8	295.57	295.26	295.22	294.66	294.07	293.72	6.3	8.2	1.2	0.9	1229+94				
EP-0613	RETAIN	DN-0631	DN-0632	Circular	Concrete	1	1.5	56	2.19	9.5	18.1	0.81	9.8	296.80	296.50	295.57	294.91	295.30	294.07	6.3	9.3	1.2	0.8	1229+66				
NP-0633	REPLACE	DI-0629	DN-0631	Circular	Concrete	1	1.50	40	2.19	9.5	18.1	0.81	9.8	297.67	298.32	296.80	296.16	296.17	295.30	5.4	9.0	1.5	0.9	1229+44				
									SEGMENT 3 1236+00 TO 1328+00																			
									NETWORK OP-0799																			
									(SEE DRAINAGE PROFILE SHEET PF-7)																			
NP-0741	REPLACE WITH BES	DN-0741	OP-0799	Circular	Concrete	1	1.5	8	17.05	14.4	50.5	0.57	23.4	244.14	244.03	242.78	242.16	242.64	241.28	8.4	13.3	1.4	0.9</					

** = PER ASBUILTS