

LINK TABLE (Q₅₀ FOR SURCHARGING)

I.D. NO.: 15-17 I77 DB	STATE SC	CREATED: 3/23/2016
PROJ. NO.: P027002	COUNTY: RICHLAND	REVISED: 11/28/2016
DESC: I-77 NB & SB Widening & Rehabilitation		APPROVED: _____
		DESIGNED BY: CAA
		REVISED BY: CAA
		APPROVED BY: _____

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-2104																								
(SEE DRAINAGE PROFILE SHEET PF-26)																								
EP-2107	DUMMY	DI-2103	OP-2104	Circular	Concrete	1	1.5	142	0.25	19.5	6.1	1.50	11.3	272.80	277.25	272.45	272.41	271.30	270.95	11.1	11.1	1.5	1.5	1469+09
NETWORK OP-2195																								
(SEE DRAINAGE PROFILE SHEET PF-26)																								
NP-2105	** NEW	DN-2194	OP-2195	Circular	Concrete	1	1.5	16	9.06	12.0	36.8	0.61	17.7	271.24	271.06	269.79	269.10	269.74	268.29	7.3	12.4	1.3	0.8	1471+60
EP-2104	** RETAIN	EX-2102	DN-2194	Circular	Concrete	1	1.5	140	9.06	12.0	36.8	0.61	17.7	283.94	285.27	271.24	270.36	282.44	269.74	6.8	17.5	1.5	0.6	1471+97
NETWORK OP-2299																								
(SEE DRAINAGE PROFILE SHEET PF-26)																								
EP-2201	RETAIN	EX-2201	OP-2299	Circular	Concrete	1	2	154	1.35	18.4	30.7	1.17	9.6	288.06	287.66	285.97	285.15	286.06	283.97	6.8	9.6	1.6	1.2	1475+71
EP-2202	RETAIN	EX-2202	EX-2201	Circular	Concrete	1	2	154	1.41	9.7	31.3	0.80	8.3	290.14	289.82	287.97	286.77	288.14	285.97	3.5	8.3	1.7	0.8	1476+74
NETWORK OP-2298																								
(SEE DRAINAGE PROFILE SHEET PF-27)																								
EP-2203		EX-2203	OP-2298	Circular	Concrete	1	3.00	151	0.59	63.4	59.4	3.00	9.2	304.66	304.67	303.78	303.34	301.66	300.78	9.0	9.9	3.0	2.6	1485+03
EP-2204		EX-2204	EX-2203	Circular	Concrete	1	3.00	148	0.89	44.4	73.3	1.76	10.3	306.01	305.68	304.69	303.48	303.01	301.69	6.7	10.1	2.7	1.8	1486+01
NP-2224		DI-2224	EX-2204	Circular	Concrete	1	2.00	8	3.12	22.2	46.5	1.02	13.9	306.25	307.56	306.00	305.36	304.25	304.00	7.1	9.8	2.0	1.4	1486+09
NETWORK OP-2236																								
(SEE DRAINAGE PROFILE SHEET PF-28)																								
NP-2235	NEW	MH-2235	OP-2236	Circular	Concrete	1	2.50	56	0.54	28.0	35.0	1.80	7.4	321.80	321.67	321.50	320.80	319.30	319.00	5.8	7.4	2.4	1.8	1495+00
NP-2233	JACK & BORE AS NECESSARY	DI-2233	MH-2235	Circular	Concrete	1	2.50	106	0.66	28.0	38.8	1.65	8.1	322.50	322.45	321.80	320.96	320.00	319.30	5.7	8.1	2.5	1.7	1495+00
NP-2234	NEW	DI-2234	DI-2233	Circular	Concrete	1	2.00	196	1.68	14.0	34.2	0.93	9.8	325.80	325.94	322.50	321.43	323.80	320.50	4.5	9.8	2.0	0.9	1497+00
NETWORK OP-2398																								
(SEE DRAINAGE PROFILE SHEET PF-27)																								
EP-2304	** CLEANOUT FOR VIDEO INSPECTION	EX-2301	OP-2398	Circular	Concrete	1	1.5	87	0.37	4.0	7.4	0.83	4.0	334.82	334.46	334.50	333.77	333.32	333.00	2.8	4.4	1.1	0.8	1499+98
NETWORK OP-2399																								
(SEE DRAINAGE PROFILE SHEET PF-28)																								
NP-2308	NEW	DN-2307	OP-2399	Circular	Concrete	1	2.00	8	1.08	14.5	27.4	1.08	8.4	334.77	334.14	334.69	333.91	332.77	332.69	6.3	7.1	1.4	1.2	1500+38
EP-2301	RETAIN	EX-2302	DN-2307	Circular	Concrete	1	2.00	79	1.08	14.5	27.4	1.08	8.4	335.63	335.33	334.77	333.87	333.63	332.77	5.1	8.2	1.7	1.1	1500+96
EP-2302	RETAIN & VIDEO INSPECT	EX-2304	EX-2302	Circular	Concrete	1	1.50	300	0.78	12.1	10.8	1.50	7.0	337.34	338.73	335.01	335.33	335.84	333.51	6.8	6.8	1.5	1.5	1503+94
NETWORK OP-2397																								
(SEE DRAINAGE PROFILE SHEET PF-27)																								
NP-2333	REPLACE	DN-2333	OP-2397	Circular	Concrete	1	1.5	8	1.55	11.1	15.2	1.00	8.9	334.84	334.64	334.72	334.36	333.34	333.22	6.8	7.7	1.3	1.1	1503+25
NP-2323	SLIPLINED PORTION OF EP-2303	EX-2303	DN-2333	Circular	Concrete	1	1.42	139	1.55	11.1	17.4	0.86	11.1	336.92	338.41	334.76	334.23	335.50	333.34	7.0	10.7	1.4	0.9	1503+99
NETWORK OP-2396																								
(SEE DRAINAGE PROFILE SHEET PF-27)																								
EP-2305	** LOCATE & RETAIN	EX-2305	OP-2396	Circular	Concrete	1	1.50	146	3.78	3.5	23.8	0.40	9.1	351.00	350.54	345.50	344.40	349.50	344.00	2.7	9.1	1.0	0.4	1506+26
NETWORK OP-2336																								
(SEE DRAINAGE PROFILE SHEET PF-28)																								
EP-2306	** RETAIN & LOCATE	EX-2306	OP-2336	Circular	Concrete	1	1.50	77	1.29	8.0	13.9	0.85	7.7	352.00	352.33	351.00	350.36	350.50	349.50	4.5	7.6	1.5	0.9	1506+45

** = PER ASBULTS