

TABLE D-1

Storm Sewer System B1 (Mainlane Stations from 186+97.30 to 399+57.70)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
T-B7-41	J-B7-41	J-B7-40	Circular	3	300.03	0.01	0.98	3759.51	3756.56	3756.51	3753.56	21.39	71.1	1.18	8.31	1.49	6.12	0	3758.3	3754.74
T-B7-42	J-B7-42	J-B7-41	Circular	3	399.94	0.01	1.41	3765.15	3759.51	3762.15	3756.51	18.27	85.24	0.98	9.11	1.37	5.82	0	3764.8	3757.48
T-B7-43	J-B7-43	J-B7-42	Circular	3	4.83	0.01	1.97	3765.51	3765.42	3762.51	3762.42	8.21	100.6	0.6	1.36	0.9	4.58	0	3764.85	3764.8
T-B7-44	J-B7-44	J-B7-43	Circular	1.5	214.87	0.01	2	3768.3	3764.01	3766.8	3762.51	8.21	17.3	0.76	9.14	1.11	5.86	0.01	3768.11	3763.27
T-B7-45	J-B7-45	J-B7-44	Circular	1.5	130.05	0.01	2	3770.91	3768.31	3769.41	3766.81	7.32	17.31	0.71	8.84	1.05	5.55	0.01	3771.15	3767.52
T-B7-46	J-B7-46	J-B7-45	Circular	1.5	200.94	0.01	2	3774.92	3770.91	3773.42	3769.41	6.11	17.3	0.64	8.46	0.95	5.15	0.01	3775.24	3770.05
T-B7-47	J-B7-47	J-B7-46	Circular	1.5	242.83	0.01	1.46	3778.46	3774.92	3776.96	3773.42	2.98	14.78	0.47	6.21	0.66	4.01	0	3779.01	3773.9

TABLE D-4

Storm Sewer System A1-3 (Segment A - Mainline Stations from 424+72.88 to 431+61.00)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
TL-A1-28	J-A1-28	J-A1-29	Circular	1.50	44.07	0.01	2.16	3747.12	3746.17	3745.62	3744.67	2.01	17.97	0.35	1.14	0.54	3.56	0.00	3747.49	3746.88
TL-A1-29	J-A1-29	O-A1-3	Circular	1.50	45.73	0.01	49.88	3746.17	3723.36	3744.67	3721.86	8.03	86.45	0.32	27.60	1.10	5.79	0.01	3746.88	3722.19
TL-A1-30	J-A1-30	J-A1-29	Circular	1.50	44.87	0.01	2.56	3747.32	3746.17	3745.82	3744.67	6.02	19.60	0.59	3.41	0.95	5.11	0.01	3747.21	3746.88
TL-A1-31	J-A1-31	J-A1-30	Circular	1.50	200.12	0.01	0.49	3748.31	3747.32	3746.81	3745.82	4.01	8.61	0.75	4.56	0.77	4.42	0.00	3748.02	3746.57
TL-A1-32	J-A1-32	J-A1-31	Circular	1.50	199.73	0.01	0.50	3749.31	3748.31	3747.81	3746.81	2.01	8.66	0.51	3.77	0.53	3.56	0.00	3749.20	3747.32
P-A1-31	A1-19	J-A1-28	Circular	1.00	41.21	0.01	7.48	3749.80	3746.62	3748.80	3745.62	1.01	13.63	0.19	9.44	0.42	3.20	0.00	3749.39	3745.81
P-A1-32	A1-35	J-A1-28	Circular	1.00	31.25	0.01	9.78	3749.80	3746.62	3748.80	3745.62	1.01	15.58	0.18	10.18	0.42	3.20	0.00	3749.39	3745.80
P-A1-33	A1-20	J-A1-30	Circular	1.00	41.21	0.01	7.48	3750.00	3746.82	3749.00	3745.82	1.00	13.63	0.19	9.47	0.42	3.23	0.00	3749.59	3746.01
P-A1-34	A1-36	J-A1-30	Circular	1.00	33.79	0.01	9.07	3750.00	3746.82	3749.00	3745.82	1.00	15.00	0.18	9.98	0.42	3.23	0.00	3749.59	3746.01
P-A1-35	A1-21	J-A1-31	Circular	1.00	41.22	0.01	7.50	3751.00	3747.81	3750.00	3746.81	1.00	13.65	0.19	9.47	0.42	3.23	0.00	3750.59	3747.00
P-A1-36	A1-37	J-A1-31	Circular	1.00	33.79	0.01	9.10	3751.00	3747.81	3750.00	3746.81	1.00	15.03	0.18	9.98	0.42	3.23	0.00	3750.59	3747.00
P-A1-37	A1-22	J-A1-32	Circular	1.00	41.21	0.01	7.51	3752.00	3748.81	3751.00	3747.81	1.00	13.65	0.19	9.47	0.42	3.23	0.00	3751.59	3748.00
P-A1-38	A1-38	J-A1-32	Circular	1.00	33.79	0.01	9.10	3752.00	3748.81	3751.00	3747.81	1.00	15.03	0.18	9.98	0.42	3.23	0.00	3751.59	3748.00

TABLE D-5

Storm Sewer System A2-1 (Stations from 431+61.00 to 445+46.11)																			
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
TL-A2-1	J-A2-01	J-A2-02	Circular	1.50	199.69	0.50	3749.32	3748.32	3747.82	3746.82	2.01	8.66	0.51	1.14	0.53	3.56	0.00	3750.02	3749.38
TL-A2-2	J-A2-02	J-A2-03	Circular	1.50	200.10	0.50	3748.32	3747.32	3746.82	3745.82	4.01	8.65	0.75	2.27	0.77	4.42	0.00	3749.38	3748.99
TL-A2-3	J-A2-03	J-A2-04	Circular	1.50	193.61	0.50	3747.32	3746.35	3745.82	3744.85	6.02	8.66	0.97	3.41	0.95	5.11	0.01	3748.99	3748.20
TL-A2-4	J-A2-04	J-A2-05	Circular	1.50	145.45	1.27	3746.35	3744.50	3744.85	3743.00	7.97	13.81	0.86	4.51	1.09	5.77	0.01	3748.20	3747.08
TL-A2-5	J-A2-05	O-A2-1	Circular	1.50	87.14	26.41	3745.64	3722.63	3744.14	3721.13	13.90	62.90	0.50	26.26	1.38	8.18	0.01	3747.08	3721.64
TL-A2-6	J-A2-06	J-A2-05	Circular	1.50	73.48	1.36	3745.50	3744.50	3744.00	3743.00	4.47	14.28	0.60	2.53	0.81	4.58	0.00	3747.32	3747.08
TL-A2-7	J-A2-07	J-A2-06	Circular	1.50	87.01	0.23	3745.70	3745.50	3744.20	3744.00	2.90	5.87	0.77	1.64	0.65	3.97	0.00	3747.96	3747.32
P-A2-1	A2-1	J-A2-01	Circular	1.00	41.25	7.48	3752.00	3748.82	3751.00	3747.82	1.00	13.63	0.19	9.47	0.42	3.23	0.00	3751.59	3748.01
P-A2-2	A2-10	J-A2-01	Circular	1.00	33.75	9.09	3752.00	3748.82	3751.00	3747.82	1.00	15.02	0.18	9.98	0.42	3.23	0.00	3751.59	3748.01
P-A2-3	A2-2	J-A2-02	Circular	1.00	41.25	7.48	3751.00	3747.82	3750.00	3746.82	1.00	13.63	0.19	9.47	0.42	3.23	0.00	3750.59	3747.01
P-A2-4	A2-11	J-A2-02	Circular	1.00	33.75	9.09	3751.00	3747.82	3750.00	3746.82	1.00	15.02	0.18	9.98	0.42	3.23	0.00	3750.59	3747.01
P-A2-5	A2-3	J-A2-03	Circular	1.00	41.25	7.48	3750.00	3746.82	3749.00	3745.82	1.00	13.63	0.19	9.46	0.42	3.23	0.00	3749.59	3746.01
P-A2-6	A2-12	J-A2-03	Circular	1.00	33.75	9.09	3750.00	3746.82	3749.00	3745.82	1.00	15.02	0.18	9.98	0.42	3.23	0.00	3749.59	3746.01
P-A2-7	A2-4	J-A2-04	Circular	1.00	41.26	7.48	3749.03	3745.85	3748.03	3744.85	0.97	13.63	0.19	9.39	0.42	3.13	0.00	3748.61	3745.04
P-A2-8	A2-13	J-A2-04	Circular	1.00	33.75	9.09	3749.03	3745.85	3748.03	3744.85	0.98	15.02	0.18	9.94	0.42	3.14	0.00	3748.61	3745.03
P-A2-9	A2-5	J-A2-05	Circular	1.00	41.25	7.53	3748.34	3745.14	3747.34	3744.14	0.73	13.67	0.16	8.65	0.36	2.90	0.00	3747.83	3744.30
P-A2-10	A2-14	J-A2-05	Circular	1.00	33.75	9.09	3748.32	3745.14	3747.32	3744.14	0.73	15.02	0.16	9.17	0.36	2.91	0.00	3747.81	3744.30
P-A2-11	A2-6	J-A2-06	Circular	1.00	41.22	7.60	3748.23	3745.00	3747.23	3744.00	0.79	13.73	0.17	8.86	0.37	2.96	0.00	3747.75	3744.17
P-A2-12	A2-15	J-A2-06	Circular	1.00	33.79	9.07	3748.19	3745.01	3747.19	3744.01	0.79	15.00	0.16	9.36	0.37	2.97	0.00	3747.71	3744.17
P-A2-13	A2-7	J-A2-07	Circular	1.00	41.22	7.58	3748.42	3745.20	3747.42	3744.20	1.45	13.71	0.23	10.39	0.51	3.59	0.00	3748.16	3744.43
P-A2-14	A2-16	J-A2-07	Circular	1.00	33.79	9.07	3748.38	3745.20	3747.38	3744.20	1.45	15.00	0.22	10.87	0.51	3.60	0.00	3748.12	3744.43

TABLE D-6

Storm Sewer System A2-2 (Stations from 445+46.11 to 451+69.00)																			
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
TL-A2-8	J-A2-09	J-A2-08	Circular	1.50	234.80	1.50	3752.42	3748.90	3750.92	3747.40	3.89	14.99	0.54	6.77	0.76	4.37	0.00	3752.44	3747.94
TL-A2-9	J-A2-08	O-A2-2	Circular	1.50	80.27	28.42	3748.89	3726.08	3747.39	3724.58	6.25	65.25	0.33	21.92	0.97	5.19	0.01	3749.43	3724.91
P-A2-15	A2-8	J-A2-08	Circular	1.00	7.23	38.07	3751.63	3748.39	3750.63	3747.39	1.19	30.74	0.14	13.70	0.46	3.40	0.00	3751.28	3747.56
P-A2-16	A2-17	J-A2-08	Circular	1.00	33.79	6.79	3750.77	3748.39	3749.77	3747.39	1.17	12.98	0.21	9.31	0.46	3.36	0.00	3750.42	3747.61
P-A2-17	A2-9	J-A2-09	Circular	1.50	7.22	19.17	3754.05	3752.42	3752.55	3750.92	1.97	64.32	0.19	10.73	0.53	3.52	0.00	3753.28	3751.16
P-A2-18	A2-18	J-A2-09	Circular	1.00	33.79	4.51	3753.50	3751.92	3752.50	3750.92	1.93	10.58	0.30	8.95	0.59	3.98	0.00	3753.39	3751.24

TABLE D-7

Storm Sewer System A3																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
P-A3-6	MH-A3-3	O-A3	Circular RCP	4.00	112.94	0.012	0.50	3697.85	3697.27	3693.85	3693.27	50.69	118.37	1.91	4.03	2.14	7.42	0.003	3701.81	3700.00
P-A3-5	MH-A3-2	MH-A3-3	Circular RCP	3.00	325.28	0.012	0.50	3699.50	3697.85	3696.50	3694.85	37.64	54.96	1.91	5.32	2.00	7.53	0.004	3703.19	3701.81
P-A3-20	A3-15	MH-A3-3	Circular RCP	2.00	58.28	0.012	1.00	3705.62	3705.00	3703.62	3703.00	4.90	26.36	0.61	6.01	0.78	4.33	0.004	3704.71	3703.61
P-A3-21	A3-13	MH-A3-3	Circular RCP	2.00	257.97	0.012	0.38	3706.00	3705.00	3704.00	3703.00	8.11	16.27	1.04	5.07	1.01	5.07	0.004	3705.50	3704.01
P-A3-4	MH-A31	MH-A3-2	Circular RCP	3.00	314.79	0.012	0.50	3701.09	3699.50	3698.09	3696.50	25.11	54.96	1.49	3.55	1.62	6.46	0.004	3703.96	3703.19
P-A3-22	A3-14	MH-A3-2	Circular RCP	2.00	268.34	0.012	1.47	3708.00	3704.00	3706.00	3702.00	6.61	31.92	0.64	7.59	0.91	4.74	0.004	3707.32	3702.64
P-A3-23	A3-16	MH-A3-2	Circular RCP	2.00	22.34	0.012	3.91	3705.00	3704.00	3703.00	3702.00	5.30	52.13	0.45	8.70	0.81	4.43	0.004	3704.15	3702.50
PA3-3	A3-3	MH-A31	Circular RCP	3.00	265.66	0.012	0.50	3702.44	3701.09	3699.44	3698.09	15.77	54.96	1.14	2.23	1.27	5.55	0.003	3704.27	3703.96
P-A3-19	MH-A3-6	MH-A31	Circular RCP	2.00	42.05	0.012	1.51	3705.69	3705.00	3703.69	3703.00	9.96	32.37	0.79	8.00	1.13	5.45	0.004	3705.87	3703.84
PA3-2	A3-5	A3-3	Circular RCP	3.00	210.04	0.012	0.50	3703.52	3702.44	3700.52	3699.44	12.47	54.96	1.01	1.76	1.12	5.17	0.003	3705.54	3704.27
P-A3-7	A3-4	A3-3	Circular RCP	2.00	48.45	0.012	5.89	3710.00	3707.00	3708.00	3705.00	2.08	63.99	0.26	8.74	0.50	3.37	0.004	3708.68	3705.26
P-A3-15	A3-11	MH-A3-6	Circular RCP	2.00	8.49	0.012	7.93	3707.23	3706.19	3705.23	3704.19	3.19	74.25	0.29	8.83	0.62	3.82	0.004	3705.92	3704.54
P-A3-18	MH-A3-7	MH-A3-6	Circular RCP	2.00	154.82	0.012	1.25	3707.68	3705.69	3705.68	3703.69	7.19	29.50	0.70	7.34	0.95	4.87	0.004	3706.66	3704.39
PA3-1	A3-7	A3-5	Circular RCP	2.00	167.45	0.012	0.50	3704.38	3703.52	3702.38	3701.52	4.04	18.64	0.66	1.29	0.71	4.08	0.004	3705.62	3705.54
P-A3-8	A3-6	A3-5	Circular RCP	2.00	51.80	0.012	5.50	3707.00	3704.02	3705.00	3702.02	6.41	61.81	0.45	11.41	0.90	4.70	0.004	3706.30	3702.49
P-A3-14	A3-12	A3-11	Circular RCP	2.00	39.22	0.012	4.73	3720.00	3718.00	3718.00	3716.00	1.68	57.35	0.24	7.60	0.45	3.19	0.004	3718.61	3716.25
P-A3-17	MH-A3-5	MH-A3-7	Circular RCP	2.00	138.32	0.012	0.50	3708.40	3707.68	3706.40	3705.68	7.19	18.64	0.90	5.28	0.95	4.87	0.004	3707.86	3706.58
P-A3-9	A3-8	A3-7	Circular RCP	2.00	49.06	0.012	5.94	3707.44	3704.38	3705.44	3702.38	1.92	64.24	0.25	8.62	0.48	3.31	0.004	3706.09	3702.63
P-A3-13	Y-AE-2	MH-A3-5	Circular STEEL	1.25	46.55	0.01	1.99	3709.36	3708.40	3708.11	3707.15	7.19	10.62	0.79	8.44	1.07	6.42	0.01	3710.52	3707.96
P-A3-12	A3-10	Y-AE-2	Circular PVC	1.00	1.49	0.01	5.47	3736.15	3736.00	3735.15	3735.00	1.60	9.71	0.29	5.51	0.54	3.73	0.005	3735.94	3735.40
P-A3-16	Y-A3-1	Y-AE-2	Circular STEEL	1.00	323.03	0.01	4.37	3750.61	3736.49	3749.61	3735.49	4.14	8.68	0.51	10.34	0.86	5.77	0.011	3751.52	3736.00
P-A3-24	A3-9	Y-AE-2	Circular PVC	1.00	37.69	0.01	2.57	3737.00	3736.00	3736.00	3735.00	1.61	6.65	0.35	6.46	0.54	3.73	0.005	3736.79	3735.35
P-A3-10	A3-2	Y-A3-1	Circular PVC	1.00	1.48	0.01	9.16	3750.25	3750.00	3749.25	3749.00	2.10	12.57	0.29	2.68	0.62	4.12	0.006	3751.64	3751.52
P-A3-11	A3-1	Y-A3-1	Circular PVC	1.00	37.76	0.01	2.56	3751.00	3750.00	3750.00	3749.00	2.06	6.65	0.40	2.62	0.61	4.07	0.006	3751.74	3751.52

TABLE D-8

Storm Sewer System A4-1 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
P-A4-1	A4-3	J-A4-1	Circular	2.00	169.35	0.01	1.99	3704.65	3701.19	3702.65	3699.19	1.80	34.33	0.32	5.48	0.46	3.25	0.00	3703.28	3699.51
P-A4-2	J-A4-1	J-A4-2	Circular	2.00	165.45	0.01	1.45	3701.19	3698.73	3699.19	3696.73	1.80	29.32	0.35	4.90	0.46	3.25	0.00	3699.66	3697.08
P-A4-3	J-A4-2	A4-4	Circular	2.00	18.27	0.01	7.16	3698.73	3697.19	3699.19	3695.19	1.80	65.12	0.24	8.14	0.46	3.25	0.00	3697.41	3695.44
P-A4-4	A4-4	O-A4-1	Circular	2.00	23.42	0.01	79.64	3697.19	3677.55	3695.19	3675.55	3.81	217.17	0.19	24.16	0.68	4.01	0.00	3695.95	3675.75

TABLE D-9

Storm Sewer System A4-2 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
TL-A4-1	J-A4-3	J-A4-4	Circular	1.50	299.32	0.01	6.01	3748.79	3730.79	3747.29	3729.29	1.02	30.02	0.20	7.50	0.38	2.92	0.00	3747.85	3729.49
TL-A4-2	J-A4-4	J-A4-5	Circular	1.50	274.72	0.01	5.88	3730.79	3714.65	3729.29	3713.15	2.05	29.67	0.28	9.14	0.54	3.58	0.00	3730.40	3713.43
P-A4-5	A4-21	J-A4-3	Circular	1.00	10.21	0.01	20.52	3750.65	3748.29	3749.65	3747.29	1.02	22.57	0.15	11.39	0.43	3.21	0.00	3750.25	3747.46
P-A4-6	A4-22	J-A4-4	Circular	1.00	10.29	0.01	21.78	3732.81	3730.29	3731.81	3729.29	1.03	23.25	0.15	11.65	0.43	3.22	0.00	3732.41	3729.46
P-A4-7	J-A4-5	A4-23	Circular	2.00	6.46	0.01	10.00	3715.15	3714.25	3713.15	3712.25	2.05	76.95	0.23	8.05	0.50	3.36	0.00	3713.89	3712.52
P-A4-8	A4-23	J-A4-6	Circular	2.00	416.45	0.01	2.83	3714.25	3702.45	3712.25	3700.45	3.00	40.90	0.38	7.22	0.60	3.74	0.00	3713.17	3700.83
P-A4-9	A4-24	J-A4-6	Circular	2.00	20.26	0.01	7.21	3704.00	3702.45	3702.00	3700.45	1.43	65.34	0.21	7.72	0.41	3.07	0.00	3702.56	3700.67
P-A4-10	J-A4-6	O-A4-2	Circular	2.00	57.73	0.01	39.65	3702.45	3679.56	3700.45	3677.56	4.43	153.24	0.24	20.43	0.74	4.19	0.00	3701.59	3677.80

TABLE D-10

Storm Sewer System A4-3 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
TL-A4-4	J-A4-7	J-A4-8	Circular	1.50	357.16	0.01	2.37	3741.86	3733.41	3740.36	3731.91	1.03	18.83	0.25	5.42	0.38	2.95	0.00	3740.93	3732.16
TL-A4-5	J-A4-8	J-A4-9	Circular	1.50	404.23	0.01	4.93	3733.41	3713.47	3731.91	3711.97	2.26	27.19	0.30	8.83	0.57	3.69	0.00	3732.92	3712.27
P-A4-11	A4-30	J-A4-7	Circular	1.00	11.25	0.01	18.56	3743.68	3741.36	3742.68	3740.36	1.03	21.46	0.15	11.15	0.43	3.24	0.00	3743.28	3740.54
P-A4-12	A4-31	J-A4-8	Circular	1.00	11.25	0.01	18.48	3735.22	3732.91	3734.22	3731.91	1.23	21.42	0.17	11.45	0.47	3.40	0.00	3734.89	3732.10
P-A4-13	A4-32	J-A4-9	Circular	2.00	10.26	0.01	4.61	3714.50	3713.97	3712.50	3711.97	1.40	52.24	0.23	6.05	0.41	3.03	0.00	3713.05	3712.22
P-A4-14	J-A4-9	O-A4-3	Circular	2.00	62.35	0.01	40.00	3713.97	3689.03	3711.97	3687.03	3.65	153.91	0.22	19.37	0.67	3.96	0.00	3712.99	3687.25

TABLE D-11

Storm Sewer System A4-4 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
TL-A4-6	J-A4-10	J-A4-11	Circular	1.50	297.95	0.01	3.78	3741.77	3730.50	3740.27	3729.00	1.03	23.81	0.22	6.39	0.38	2.94	0.00	3740.83	3729.22
TL-A4-7	J-A4-11	J-A4-12	Circular	1.50	15.00	0.01	11.80	3730.50	3728.73	3729.00	3727.23	1.03	42.05	0.17	8.82	0.38	2.94	0.00	3729.56	3727.41
TL-A4-8	J-A4-12	J-A4-13	Circular	1.50	288.18	0.01	4.01	3728.73	3717.18	3727.23	3715.68	4.95	24.51	0.48	10.31	0.86	4.75	0.00	3728.78	3716.16
TL-A4-10	J-A4-16	J-A4-17	Circular	1.50	300.91	0.01	3.99	3750.26	3738.25	3748.76	3736.75	1.02	24.46	0.22	6.49	0.38	2.92	0.00	3749.32	3736.97
TL-A4-11	J-A4-17	J-A4-12	Circular	1.50	236.67	0.01	4.02	3738.25	3728.73	3736.75	3727.23	2.05	24.55	0.30	8.01	0.54	3.07	0.00	3737.64	3727.53
P-A4-15	A4-29	J-A4-10	Circular	1.00	10.22	0.01	20.08	3743.58	3741.27	3742.58	3740.27	1.03	22.33	0.15	11.28	0.43	3.23	0.00	3743.18	3740.44
P-A4-16	A4-28	J-A4-12	Circular	1.00	6.27	0.01	30.86	3730.55	3728.23	3729.55	3727.23	1.04	27.68	0.14	11.88	0.43	3.24	0.00	3730.16	3727.40
P-A4-17	A4-18	J-A4-12	Circular	1.50	18.75	0.01	11.58	3731.05	3728.73	3729.55	3727.23	0.83	41.66	0.15	8.54	0.34	2.78	0.00	3730.03	3727.39
P-A4-18	A4-27	J-A4-13	Circular	2.00	30.88	0.01	4.04	3719.00	3717.68	3717.00	3715.68	1.03	48.91	0.21	5.90	0.35	2.80	0.00	3717.47	3715.89
P-A4-19	A4-17	J-A4-13	Circular	2.00	18.80	0.01	16.74	3721.13	3717.68	3719.13	3715.68	1.02	99.58	0.15	9.59	0.35	2.78	0.00	3719.60	3715.83
P-A4-27	A4-20	J-A4-16	Circular	1.00	12.54	0.01	21.78	3752.77	3749.76	3751.77	3748.76	1.02	23.25	0.15	12.11	0.43	3.21	0.00	3752.37	3748.92
P-A4-28	A4-19	J-A4-17	Circular	1.00	8.72	0.01	23.29	3740.08	3737.75	3739.08	3736.75	1.03	24.05	0.15	11.51	0.43	3.24	0.00	3739.68	3736.92

TABLE D-12

Storm Sewer System A4-5 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
P-A4-20	J-A4-14	A4-26	Circular	2.00	26.96	0.01	1.69	3708.50	3708.00	3706.50	3706.00	1.06	31.68	0.26	4.40	0.36	2.80	0.00	3706.86	3706.26
P-A4-21	A4-16	J-A4-14	Circular	2.00	17.46	0.01	3.75	3709.25	3708.50	3707.25	3706.50	1.06	47.12	0.21	5.68	0.36	2.80	0.00	3707.73	3706.72

TABLE D-13

Storm Sewer System A4-6 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
P-A4-29	A4-12	J-A4-18	Circular	2.00	286.26	0.01	1.69	3707.52	3702.63	3705.52	3700.63	0.66	31.66	0.21	3.84	0.28	2.46	0.00	3705.89	3700.84
P-A4-30	A4-13	J-A4-18	Circular	2.00	102.21	0.01	0.73	3702.18	3701.40	3700.18	3699.40	0.87	20.77	0.29	3.10	0.32	2.70	0.00	3700.61	3699.69
P-A4-31	J-A4-18	A4-5	Circular	2.00	148.12	0.01	0.33	3701.40	3700.90	3699.40	3698.90	1.53	13.99	0.46	2.65	0.43	3.11	0.00	3700.07	3699.38
P-A4-32	A4-5	A4-33	Circular	3.00	30.29	0.01	4.41	3701.90	3700.40	3698.90	3697.40	2.01	150.64	0.25	6.95	0.44	3.12	0.00	3699.38	3697.65
P-A4-33	A4-33	O-A4-6	Circular	3.00	82.92	0.01	1.64	3700.40	3699.00	3697.40	3696.00	6.55	91.85	0.56	7.09	0.80	4.30	0.00	3699.07	3696.57
P-A4-34	A4-34	A4-33	Circular	2.00	69.26	0.01	1.47	3700.50	3699.41	3698.50	3697.41	3.90	29.48	0.51	6.15	0.69	4.04	0.00	3699.30	3697.92
P-A4-38	A4-6	A4-14	Circular	2.00	91.16	0.01	0.49	3701.77	3701.30	3699.77	3699.30	1.44	16.97	0.41	3.12	0.42	3.05	0.00	3700.33	3699.71
P-A4-39	A4-14	A4-34	Circular	2.00	235.01	0.01	0.31	3701.20	3700.46	3699.20	3698.46	2.99	13.51	0.66	2.40	0.60	3.75	0.00	3700.12	3699.30

TABLE D-14

Storm Sewer System A4-7 (Coles - Paisano Interchange)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
P-A4-22	A4-25	J-A4-15	Circular	2.00	26.96	0.01	3.36	3701.00	3700.01	3699.00	3698.01	1.54	44.58	0.26	0.49	0.43	3.12	0.00	3707.21	3707.20
P-A4-26	J-A4-15	O-A4-7	Circular	2.00	226.90	0.01	0.44	3708.00	3707.00	3706.00	3705.00	3.07	16.16	0.62	3.77	0.61	3.77	0.00	3707.20	3705.61

TABLE D-15

Storm Sewer System B Roads (Doniphan Extension)																				
LINK ID	LINK UPSTREAM NODE	LINK DOWNSTREAM NODE	LINK SHAPE	LINK RISE (FT)	LINK ACTUAL LENGTH (FT)	LINK MANNING'S n VALUE	LINK SLOPE (%)	LINK SOFFIT UPSTREAM (FT)	LINK SOFFIT DOWNSTREAM (FT)	LINK INVERT UPSTREAM (FT)	LINK INVERT DOWNSTREAM (FT)	LINK DISCHARGE (CFS)	LINK CAPACITY (CFS)	LINK UNIFORM DEPTH (FT)	LINK ACTUAL VELOCITY DOWNSTREAM (FPS)	LINK CRITICAL DEPTH (FT)	LINK CRITICAL VELOCITY (FPS)	LINK CRITICAL SLOPE (%)	LINK HGL UPSTREAM (FT)	LINK HGL DOWNSTREAM (FT)
P-D-1	D-1	D-2	Circular	2	68.68	0.012	0.50	3733.06	3732.72	3731.06	3730.72	1.62	18.64	0.41	1.14	0.44	3.15	0.00	3731.70	3731.64
P-D-2	D-2	D-4	Circular	2	218.00	0.012	0.50	3732.72	3731.63	3730.72	3729.63	3.00	18.64	0.57	4.12	0.60	3.75	0.00	3731.64	3730.19
P-D-3	D-5	D-6	Circular	2	64.12	0.012	0.50	3732.83	3732.51	3730.83	3730.51	1.54	18.64	0.40	1.12	0.43	3.11	0.00	3731.46	3731.41
P-D-4	D-6	D-4	Circular	2	176.52	0.012	0.50	3732.51	3731.63	3730.51	3729.63	2.89	18.64	0.55	1.07	0.59	3.70	0.00	3731.41	3731.23
P-D-5	D-4	D-3	Circular	2	64.37	0.012	0.50	3731.63	3731.30	3729.63	3729.30	7.13	18.67	0.90	5.24	0.95	4.86	0.00	3731.23	3730.20
P-D-6	D-3	O-D-1	Circular	2	60.50	0.012	0.50	3731.30	3731.00	3729.30	3729.00	8.72	18.64	1.01	5.52	1.05	5.20	0.00	3730.43	3730.01
P-D-7	D-7	D-8	Circular	2	31.14	0.012	0.50	3732.31	3732.16	3730.31	3730.16	3.99	18.64	0.65	1.97	0.70	4.07	0.00	3731.51	3731.39
P-D-8	D-8	MH-D-1	Circular	2	361.45	0.012	0.50	3732.16	3730.35	3730.16	3728.35	5.28	18.64	0.76	4.86	0.81	4.42	0.00	3731.39	3729.11
P-D-9	MH-D-1	O-D-2	Circular	2	70.16	0.012	0.50	3730.35	3730.00	3728.35	3728.00	5.28	18.64	0.76	4.84	0.81	4.42	0.00	3729.56	3728.76
P-D-10	D-9	D-7	Circular	2	381.63	0.012	0.50	3734.22	3732.31	3732.22	3730.31	2.96	18.64	0.56	4.14	0.60	3.73	0.00	3733.14	3730.87
P-D-11	D-10	D-9	Circular	2	11.52	0.012	0.50	3734.28	3734.22	3732.28	3732.22	1.87	18.64	0.44	1.34	0.47	3.29	0.00	3733.18	3733.14
P-D-12	D-11	D-10	Circular	2	71.34	0.012	0.50	3734.64	3734.28	3732.64	3732.28	1.77	18.64	0.43	3.54	0.46	3.24	0.00	3733.26	3732.71
P-D-13	D-12	MH-D-2	Circular	2	17.49	0.012	0.50	3737.04	3736.96	3735.04	3734.96	0.50	18.64	0.24	2.44	0.25	2.24	0.00	3735.37	3735.19
P-D-14	MH-D-2	D-13	Circular	2	144.97	0.012	0.50	3736.96	3736.23	3734.96	3734.23	0.50	18.64	0.24	2.44	0.25	2.24	0.00	3735.31	3734.47
P-D-15	D-15	D-13	Circular	2	35.66	0.012	0.50	3736.41	3736.23	3734.41	3734.23	0.49	18.64	0.23	0.63	0.23	2.37	0.01	3734.83	3734.82
P-D-16	D-13	D-14	Circular	2	96.09	0.012	0.50	3736.23	3735.75	3734.23	3733.75	1.30	18.64	0.37	3.24	0.39	2.99	0.00	3734.82	3734.12
P-D-17	D-14	D-16	Circular	2	36.52	0.012	0.50	3735.75	3735.57	3733.75	3733.57	2.31	18.64	0.49	3.83	0.53	3.48	0.00	3734.56	3734.06
P-D-18	D-16	O-D-3	Circular	2	113.66	0.012	0.50	3735.57	3735.00	3733.57	3733.00	3.43	18.64	0.60	4.31	0.65	3.90	0.00	3734.28	3733.60
P-D-19	D-20	MH-D-3	Circular	2	31.35	0.012	0.50	3736.89	3736.73	3734.89	3734.73	0.64	18.64	0.26	0.42	0.28	2.40	0.00	3735.73	3735.72
P-D-20	D-19	MH-D-3	Circular	2	36.35	0.012	0.50	3736.92	3736.73	3734.92	3734.73	2.30	18.64	0.49	1.49	0.53	3.48	0.00	3735.78	3735.72
P-D-21	MH-D-3	D-18	Circular	2	130.87	0.012	0.50	3736.73	3736.08	3734.73	3734.08	2.92	18.64	0.56	4.08	0.60	3.72	0.00	3735.72	3734.64
P-D-22	D-18	D-17	Circular	2	60.22	0.012	0.50	3736.08	3735.78	3734.08	3733.78	3.16	18.64	0.58	1.88	0.62	3.80	0.00	3734.81	3734.83
P-D-23	D-17	O-D-4	Circular	2	155.89	0.012	0.50	3735.78	3735.00	3733.78	3733.00	4.45	18.64	0.69	4.64	0.74	4.20	0.00	3734.83	3733.69
P-D-24	D-25	D-26	Circular	2	71.69	0.012	0.50	3736.92	3736.56	3734.92	3734.56	1.44	18.64	0.39	1.05	0.42	3.05	0.00	3735.52	3735.47
P-D-25	D-26	D-24	Circular	2	171.03	0.012	0.50	3736.56	3735.71	3734.56	3733.71	2.85	18.64	0.55	4.05	0.59	3.69	0.00	3735.47	3734.26
P-D-26	D-22	D-21	Circular	2	71.69	0.012	0.50	3736.44	3736.08	3734.44	3734.08	0.72	18.64	0.28	0.38	0.29	2.57	0.00	3735.25	3735.24
P-D-27	D-21	D-24	Circular	2	75.22	0.012	0.50	3736.08	3735.71	3734.08	3733.71	1.40	18.64	0.39	0.55	0.41	3.05	0.00	3735.24	3735.23
P-D-28	D-23	D-24	Circular	2	71.69	0.012	0.50	3736.07	3735.71	3734.07	3733.71	1.19	18.64	0.36	0.47	0.38	2.90	0.00	3735.24	3735.23
P-D-29	D-24	O-D-5	Circular	2	141.55	0.012	0.50	3735.71	3735.00	3733.71	3733.00	6.41	18.64	0.84	5.09	0.90	4.70	0.00	3735.23	3733.84
P-D-30	D-29	D-27	Circular	2	57.26	0.012	0.50	3736.05	3735.76	3734.05	3733.76	1.52	18.64	0.40	3.40	0.43	3.09	0.00	3734.62	3734.16
P-D-31	D-27	D-28	Circular	2	38.09	0.012	0.50	3735.76	3735.57	3733.76	3733.57	1.80	18.64	0.43	1.54	0.46	3.24	0.00	3734.47	3734.36
P-D-32	D-28	O-D-6	Circular	2	113.74	0.012	0.50	3735.57	3735.00	3733.57	3733.00	4.07	18.64	0.66	4.50	0.71	4.09	0.00	3734.36	3733.66
P-D-33	D-42	D-43	Circular	2	69.90	0.012	0.50	3737.29	3736.94	3735.29	3734.94	0.60	18.64	0.26	2.57	0.26	2.44	0.00	3735.65	3735.20
P-D-34	D-43	MH-D-4	Circular	2	76.69	0.012	0.50	3736.94	3736.56	3734.94	3734.56	0.84	18.64	0.30	0.68	0.32	2.65	0.00	3735.39	3735.40
P-D-35	MH-D-4	D-44	Circular	2	20.34	0.012	0.50	3736.56	3736.46	3734.56	3734.46	0.84	18.64	0.30	0.59	0.32	2.65	0.00	3735.40	3735.39
P-D-36	D-44	O-D-7	Circular	2	91.87	0.012	0.50	3736.46	3736.00	3734.46	3734.00	5.03	18.64	0.74	4.75	0.79	4.36	0.00	3735.39	3734.74
P-D-37	D-34	D-33	Circular	1	75.00	0.010	1.31	3758.98	3758.00	3757.98	3757.00	1.76	5.70	0.40	6.00	0.57	3.86	0.00	3758.82	3757.40
P-D-38	D-33	MH-D-5	Circular	1	211.55	0.010	2.14	3758.00	3753.47	3757.00	3752.47	2.00	7.29	0.37	7.52	0.60	4.04	0.00	3757.70	3752.84
P-D-39	MH-D-5	D-32	Circular	2	20.34	0.012	0.50	3736.82	3736.71	3734.82	3734.71	3.48	18.64	0.61	2.57	0.65	3.91	0.00	3735.84	3735.61
P-D-40	D-30	MH-D-5	Circular	2	189.40	0.012	0.50	3737.76	3736.82	3735.76	3734.82	1.59	18.64	0.41	3.43	0.44	3.14	0.00	3736.35	3735.23
P-D-41	D-32	O-D-8	Circular	2	142.67	0.012	0.50	3736.71	3736.00	3734.71	3734.00	5.37	18.64	0.76	4.88	0.82	4.45	0.00	3735.61	3734.76
P-D-42	D-31	MH-D-6	Circular	2	254.93	0.012	0.50	3736.49	3735.21	3734.49	3733.21	3.26	18.64	0.59	4.25	0.63	3.84	0.00	3735.35	3733.80
P-D-43	D-35	D-36	Circular	2	69.91	0.012	0.50	3735.69	3735.34	3733.69	3733.34	2.11	18.64	0.47	1.07	0.50	3.40	0.00	3734.58	3734.54
P-D-44	D-36	MH-D-6	Circular	2	25.18	0.012	0.50	3735.34	3735.21	3733.34	3733.21	2.34	18.64	0.50	1.08	0.53	3.49	0.00	3734.54	3734.51
P-D-45	MH-D-6	O-D-9	Circular	2	242.48	0.012	0.50	3735.21	3734.00	3733.21	3732.00	5.40	18.64	0.77	4.85	0.82	4.46	0.00	3734.51	3732.77
P-D-46	D-39	D-40	Circular	2	81.47	0.012	0.50	3734.78	3734.37	3732.78	3732.37	2.43	18.64	0.51	1.10	0.54	3.53	0.00	3733.74	3733.69
P-D-47	D-37	D-40	Circular	2	26.52	0.012	0.50	3734.50	3734.37	3732.50	3732.37	1.95	18.64	0.46	0.89	0.49	3.31	0.00	3733.71	3733.69
P-D-48	D-38	D-41	Circular	2	26.52	0.012	0.50	3734.71	3734.58	3732.71	3732.58	0.17	18.64	0.14	0.09	0.12	2.04	0.01	3733.70	3733.69
P-D-49	D-41	D-40	Circular	2	41.38	0.012	0.50	3734.58	3734.37	3732.58	3732.37	0.33	18.64	0.19	0.15	0.19	2.22	0.01	3733.69	3733.69
P-D-50	D-40	O-D-10	Circular	2	74.00	0.012	0.50	3734.37	3734.00	3732.37	3732.00	4.90	18.64	0.73	4.74	0.78	4.32	0.00	3733.69	3732.73