

I-77 - EXISTING CLOSED SYSTEM DRAINAGE INFRASTRUCTURE GEOPAK DRAINAGE REPORTS - 10-YR STORM EVENT - LINK (1 OF 3)

Link ID	US Node	DS Node	Shape	Material	# of Barrels	Dia-meter (ft)	Length (ft)	Slope (%)	Discharge (cfs)	Capacity (cfs)	Uniform Depth (ft)	Uniform Velocity (fps)	Soffit US Elev. (ft)	HGL US Elev. (ft)	Soffit DS Elev. (ft)	HGL DS Elev. (ft)	Invert US Elev. (ft)	Invert DS Elev. (ft)	Actual US Vel. (fps)	Actual DS Vel. (fps)	Actual US Depth (ft)	Actual DS Depth (ft)	Node Station
EP-0301	EX-0301	OP-0398	Circ.	Conc.	1	1.5	118.96	2.25	8.56	18.37	0.75	9.67	250.53	250.97	247.85	247.11	249.03	246.35	4.84	9.57	1.50	0.76	1170+37.50
EP-0302	EX-0302	OP-0397	Circ.	Conc.	1	1.5	155.57	2.73	16.81	20.23	1.11	12.04	251.47	254.58	247.22	246.84	249.97	245.72	9.51	11.93	1.50	1.12	1173+56.42
EP-0303	EX-0306	OP-0394	Circ.	Conc.	1	4.0	321.78	0.92	128.46	160.67	2.86	13.36	256.62	257.62	253.66	252.54	252.62	249.66	10.22	13.27	4.00	2.88	1180+59.01
EP-0304	EX-0396	EX-0306	Circ.	Conc.	2	2.0	42.00	6.58	50.00	135.26	0.88	18.87	259.39	261.22	256.62	255.66	257.39	254.62	7.96	15.15	2.00	1.04	1180+43.59
EP-0305	EX-0307	EX-0306	Circ.	Conc.	1	1.5	128.08	3.71	5.41	23.56	0.51	10.27	261.37	261.24	256.62	255.63	259.87	255.12	3.20	10.22	1.37	0.51	1181+03.11
EP-0306	EX-0402	DN-0306	Circ.	Conc.	1	4.0	583.61	1.82	75.36	225.49	1.66	15.32	267.50	266.92	256.91	254.57	263.50	252.91	6.58	15.28	3.42	1.66	1187+35.02
EP-0306DS	DN-0306	EX-0306	Circ.	Conc.	1	4.0	95.19	0.30	75.36	91.69	2.93	7.63	256.91	257.94	256.62	257.62	252.91	252.62	6.00	6.00	4.00	4.00	1181+51.42
EP-0401	EX-0401	EX-0402	Circ.	Conc.	1	2.0	145.80	5.89	25.00	63.97	0.91	18.11	278.74	280.58	270.16	269.09	276.74	268.16	7.96	17.52	2.00	0.93	1187+81.00
EP-0402	EX-0408	EX-0402	Circ.	Conc.	1	3.5	515.78	6.10	40.73	289.47	0.92	20.18	300.00	298.61	268.56	265.98	296.50	265.06	6.74	20.15	2.11	0.92	1192+50.69
EP-0403	EX-0403	EX-0402	Circ.	Conc.	1	1.5	106.19	1.77	4.52	16.29	0.56	7.47	269.38	269.10	267.50	266.56	267.88	266.00	2.93	7.44	1.22	0.56	1187+66.04
EP-0404	EX-0502	EX-0404	Circ.	Conc.	1	3.5	374.43	3.42	26.39	216.78	0.86	14.50	312.92	311.37	300.12	297.48	309.42	296.62	4.79	14.46	1.95	0.86	1201+11.72
EP-0405	EX-0405	EX-0404	Circ.	Conc.	1	1.5	137.27	2.15	11.59	17.95	0.92	10.18	302.62	302.49	299.67	299.10	301.12	298.17	6.87	10.11	1.37	0.93	1197+98.53
EP-0406	EX-0406	EX-0405	Circ.	Conc.	1	1.5	137.74	1.82	6.27	16.52	0.67	8.24	305.19	305.20	302.68	301.85	303.69	301.18	3.55	8.22	1.50	0.67	1198+62.42
EP-0407	EX-0407	EX-0408	Circ.	Conc.	1	1.5	117.74	0.30	4.40	6.71	0.92	3.85	300.92	300.62	300.57	299.87	299.42	299.07	2.90	4.56	1.20	0.81	1192+84.72
EP-0408	EX-0404	EX-0408	Circ.	Conc.	1	3.5	486.76	0.30	38.57	64.22	2.05	6.57	301.46	300.39	300.00	298.61	297.96	296.50	5.42	6.38	2.43	2.11	1197+37.35
EP-0501	EX-0501	EX-0502	Circ.	Conc.	1	1.5	182.62	1.00	2.86	12.24	0.51	5.38	313.50	312.92	311.67	310.68	312.00	310.17	2.51	5.38	0.92	0.51	1200+94.07
EP-0503	EX-0505	EX-0503	Circ.	Conc.	1	3.5	228.01	1.29	21.27	133.17	0.98	9.62	317.63	315.91	314.69	312.18	314.13	311.19	4.32	9.56	1.78	0.99	1204+39.03
EP-0503DS	EX-0503	EX-0502	Circ.	Conc.	1	3.5	107.65	1.29	21.27	133.17	0.98	9.62	314.69	312.72	313.30	310.81	311.19	309.80	5.25	9.26	1.53	1.01	1202+11.51
EP-0504	EX-0504	EX-0505	Circ.	Conc.	1	3.0	35.24	1.00	0.83	77.73	0.23	3.43	317.70	315.91	317.35	315.91	314.70	314.35	0.31	0.22	1.21	1.56	1204+26.73
EP-0505	EX-0506	EX-0505	Circ.	Conc.	1	2.0	89.74	6.53	15.11	67.37	0.67	16.41	322.07	321.49	316.21	314.91	320.07	314.21	6.34	15.53	1.42	0.70	1204+68.07
EP-0506	EX-0507	EX-0506	Circ.	Conc.	1	1.5	108.90	4.23	11.37	25.19	0.74	13.16	326.18	326.32	321.57	320.82	324.68	320.07	6.43	12.84	1.50	0.75	1205+05.31
EP-0507	EX-0508	EX-0507	Circ.	Conc.	1	1.5	133.72	1.62	2.84	15.56	0.45	6.37	328.60	327.89	326.44	325.39	327.10	324.94	2.99	6.34	0.79	0.45	1206+09.46
EP-0508	EX-0509	EX-0508	Circ.	Conc.	1	1.5	70.98	0.30	2.32	6.66	0.64	3.23	328.94	328.25	328.73	327.89	327.44	327.23	2.39	3.07	0.81	0.66	1205+89.05
EP-0601	EX-0601	EX-0602	Circ.	Conc.	1	1.5	98.78	10.00	3.65	38.71	0.32	13.07	314.67	314.24	304.79	303.61	313.17	303.29	2.70	13.01	1.07	0.32	1215+82.20
EP-0602	EX-0602	EX-0604	Circ.	Conc.	1	1.5	204.75	0.82	3.65	11.06	0.62	5.34	304.58	304.01	302.91	302.03	303.08	301.41	3.18	5.34	0.93	0.62	1216+80.67
EP-0603	EX-0603	EX-0604	Circ.	Conc.	1	1.5	75.14	9.58	5.06	37.89	0.38	14.15	310.83	310.64	303.63	302.52	309.33	302.13	3.09	13.93	1.31	0.39	1215+61.01
EP-0604	EX-0604	OP-0611	Circ.	Conc.	1	2.0	354.13	2.18	9.01	38.95	0.68	9.56	303.37	302.79	295.64	294.32	301.37	293.64	3.78	9.56	1.42	0.68	1216+31.17
EP-0608	EX-0607	EX-0606	Circ.	Conc.	1	1.5	75.86	0.13	0.79	4.44	0.44	1.83	288.03	287.15	287.93	287.13	286.53	286.43	1.16	0.99	0.62	0.70	1225+12.54
EP-0610	EX-0606	EX-0608	Circ.	Conc.	1	1.5	175.67	2.98	2.05	21.12	0.33	7.19	287.93	287.13	282.70	281.53	286.43	281.20	2.55	7.19	0.70	0.33	1224+32.81
EP-0611	EX-0605	EX-0608	Circ.	Conc.	1	1.5	108.48	32.50	7.68	69.79	0.35	24.66	319.11	319.37	283.85	282.70	317.61	282.35	4.35	24.53	1.50	0.35	1223+44.71
EP-0612	EX-0608	OP-0683	Circ.	Conc.	1	1.5	78.99	2.60	11.31	19.72	0.85	10.91	282.55	283.02	280.50	279.88	281.05	279.00	6.40	10.50	1.50	0.88	1224+48.58
EP-0613	EX-0609	EX-0610	Circ.	Conc.	1	1.5	104.20	2.19	4.57	18.11	0.53	8.11	297.50	297.23	295.22	294.26	296.00	293.72	2.95	8.05	1.23	0.54	1229+50.07
EP-0614	EX-0610	OP-0680	Circ.	Conc.	1	1.5	70.96	2.40	4.73	18.95	0.53	8.46	295.22	294.57	293.52	292.56	293.72	292.02	4.60	8.27	0.85	0.54	1230+01.54
EP-0701	EX-0701	OP-0799	Circ.	Conc.	1	1.5	190.38	17.05	9.77	50.55	0.46	20.99	275.32	276.03	242.86	241.82	273.82	241.36	5.53	20.98	1.50	0.46	1235+98.59
EP-0702	EX-0702	OP-0798	Circ.	Conc.	1	1.5	161.54	9.77	9.36	38.26	0.53	16.98	241.55	242.17	225.77	224.80	240.05	224.27	5.30	16.91	1.50	0.53	1246+61.97
EP-0801	EX-0801	OP-0899	Circ.	Conc.	1	1.5	179.22	6.02	13.44	30.04	0.73	15.65	237.69	239.48	226.90	226.14	236.19	225.40	7.61	15.55	1.50	0.74	1252+00.86
EP-0802	EX-0802	OP-0898	Circ.	Conc.	1	2.0	242.12	1.59	9.47	33.20	0.76	8.66	231.38	231.03	227.54	226.30	229.38	225.54	3.42	8.63	1.65	0.76	1253+26.13
EP-0803	EX-0803	OP-0897	Circ.	Conc.	1	1.5	200.40	0.33	6.91	7.08	1.32	4.19	244.47	244.59	243.80	243.80	242.97	242.30	3.91	3.91	1.50	1.50	1261+46.66
EP-0901	EX-0901	OP-0999	Circ.	Conc.	1	1.5	167.35	1.00	8.02	12.24	0.93	6.97	248.09	248.42	246.42	245.85	246.59	244.92	4.54	6.97	1.50	0.93	1270+50.25
EP-0907	EX-0907	OP-0995	Circ.	Conc.	1	3.0	149.49	0.70	54.06	65.14	2.20	9.73	250.09	249.50	249.04	248.25	247.09	246.04	8.88	9.67	2.41	2.21	1278+84.95
EP-0908	EX-0993	EX-0907	Circ.	Conc.	1	3.0	129.21	1.04	51.23	79.15	1.85	11.21	251.43	252.53	250.09	248.98	248.43	247.09	7.25	10.93	3.00	1.89	1279+52.96
EP-1002	EX-1001	EX-1001S	Circ.	Conc.	1	2.5	304.96	0.45	42.25	31.92	2.50	8.83	257.86	260.86	256.50	257.48	255.36	254.00	8.61	8.61	2.50	2.50	1286+58.13

I-77 - EXISTING CLOSED SYSTEM DRAINAGE INFRASTRUCTURE GEOPAK DRAINAGE REPORTS - 10-YR STORM EVENT - LINK (2 OF 3)

Link ID	US Node	DS Node	Shape	Material	# of Barrels	Dia-meter (ft)	Length (ft)	Slope (%)	Discharge (cfs)	Capacity (cfs)	Uniform Depth (ft)	Uniform Velocity (fps)	Soffit US Elev. (ft)	HGL US Elev. (ft)	Soffit DS Elev. (ft)	HGL DS Elev. (ft)	Invert US Elev. (ft)	Invert DS Elev. (ft)	Actual US Vel. (fps)	Actual DS Vel. (fps)	Actual US Depth (ft)	Actual DS Depth (ft)	Node Station
EP-1003	EX-1002	EX-1001	Circ.	Conc.	1	2.0	86.13	1.02	33.12	26.65	2.00	10.82	258.33	262.46	257.45	260.86	256.33	255.45	10.54	10.54	2.00	2.00	1286+46.91
EP-1004	EX-1003	EX-1002	Circ.	Conc.	1	2.0	87.25	0.67	31.79	21.50	2.00	10.38	258.91	263.94	258.33	262.46	256.91	256.33	10.12	10.12	2.00	2.00	1286+34.09
EP-1005	EX-1004	EX-1003	Circ.	Conc.	1	2.0	60.25	1.10	31.03	27.59	2.00	10.13	259.57	264.91	258.91	263.94	257.57	256.91	9.88	9.88	2.00	2.00	1286+42.80
EP-1006	EX-1008	EX-1001	Circ.	Conc.	1	2.0	301.74	1.00	15.12	26.36	1.14	8.20	260.45	262.20	257.43	260.86	258.45	255.43	4.81	4.81	2.00	2.00	1289+59.80
EP-1007	EX-1007	EX-1005	Circ.	Conc.	1	1.5	110.80	0.92	5.25	11.75	0.73	6.13	263.44	263.32	262.42	263.10	261.94	260.92	3.09	2.97	1.38	1.50	1290+51.16
EP-1008	EX-1005	EX-1008	Circ.	Conc.	1	1.5	102.13	0.95	10.56	11.95	1.17	7.16	262.42	263.10	261.45	262.20	260.92	259.95	5.98	5.98	1.50	1.50	1290+03.73
EP-1010	EX-1001S	OP-1010	Circ.	Conc.	1	2.5	187.06	0.40	42.25	30.27	2.50	8.83	256.50	257.48	255.75	255.75	254.00	253.25	8.61	8.61	2.50	2.50	1283+69.91
EP-1012	EX-1009	EX-1008	Circ.	Conc.	1	1.5	223.65	1.00	2.94	12.24	0.52	5.41	263.68	263.12	261.45	260.47	262.18	259.95	2.53	5.40	0.94	0.52	1291+83.45
EP-1101	EX-1103	EX-1101	Circ.	Conc.	1	1.5	95.87	0.34	6.70	7.18	1.23	4.31	269.81	269.89	269.48	268.98	268.31	267.98	3.79	5.34	1.50	1.00	1297+50.24
EP-1102	EX-1101	EX-1102	Circ.	Conc.	1	2.0	91.95	1.13	11.45	28.04	0.93	8.03	269.42	268.66	268.38	267.32	267.42	266.38	5.60	7.89	1.24	0.94	1297+48.27
EP-1104	EX-1102	EX-1105	Circ.	Conc.	1	2.0	110.79	0.30	11.45	14.44	1.41	4.85	268.38	268.58	268.05	268.20	266.38	266.05	3.65	3.65	2.00	2.00	1297+45.42
EP-1105	EX-1105	EX-1106	Circ.	Conc.	1	2.0	67.25	2.17	11.45	38.81	0.77	10.21	268.05	268.20	266.59	268.00	266.05	264.59	3.65	3.65	2.00	2.00	1298+55.47
EP-1106	EX-1106	EX-1107A	Circ.	Conc.	1	2.0	55.80	1.60	17.22	33.29	1.07	10.10	266.56	268.00	265.67	267.37	264.56	263.67	5.48	5.48	2.00	2.00	1299+13.66
EP-1107	EX-1192	EX-1106	Circ.	Conc.	1	1.5	209.98	3.47	6.42	22.79	0.57	10.51	276.03	276.07	268.75	267.82	274.53	267.25	3.63	10.50	1.50	0.57	1297+67.75
EP-1110	EX-1107A	EX-1107	Circ.	Conc.	1	2.5	392.30	0.56	18.34	35.88	1.32	6.97	265.67	267.37	263.46	266.65	263.17	260.96	3.74	3.74	2.50	2.50	1299+67.58
EP-1111	EX-1108	EX-1107	Circ.	Conc.	1	2.0	262.23	4.70	22.27	57.15	0.90	16.17	275.78	277.10	263.46	262.37	273.78	261.46	7.09	16.11	2.00	0.91	1304+38.27
EP-1114	EX-1107	OP-1196	Circ.	Conc.	1	2.0	313.98	2.58	42.35	42.35	1.88	13.83	262.96	266.65	254.86	254.86	260.96	252.86	13.48	13.48	2.00	2.00	1303+59.76
EP-1201	EX-1204	EX-1201	Circ.	Conc.	1	2.0	102.75	0.91	12.62	25.12	1.05	7.57	255.63	254.96	254.70	253.76	253.63	252.70	5.70	7.51	1.33	1.06	1320+08.68
EP-1202	EX-1203	EX-1201	Circ.	Conc.	1	1.5	113.29	1.00	9.15	12.24	1.02	7.17	255.10	255.67	253.97	254.91	253.60	252.47	5.18	5.18	1.50	1.50	1319+99.01
EP-1203	EX-1201	EX-1202	Circ.	Conc.	1	3.0	719.07	0.90	31.63	73.73	1.43	9.52	255.40	254.91	248.93	247.36	252.40	245.93	5.01	9.50	2.51	1.43	1320+48.58
EP-1204	EX-1202	OP-1399	Circ.	Conc.	1	3.0	90.21	21.85	35.83	363.33	0.66	31.08	248.59	247.59	228.88	226.58	245.59	225.88	7.16	28.46	2.00	0.70	1327+67.60
EP-1205	EX-1205	EX-1204	Circ.	Conc.	1	2.0	104.39	0.91	5.09	25.11	0.63	5.95	256.58	255.71	255.63	254.27	254.58	253.63	2.80	5.93	1.13	0.64	1319+68.98
EP-1301	EX-1301	OP-1396	Circ.	Conc.	1	2.0	169.84	12.81	9.96	94.36	0.46	18.53	252.24	251.94	230.48	228.94	250.24	228.48	3.50	18.46	1.70	0.46	1332+19.25
EP-1302	EX-1302	OP-1394	Circ.	Conc.	1	2.0	119.17	0.82	19.49	23.91	1.45	7.98	255.42	255.02	254.44	253.89	253.42	252.44	7.26	7.97	1.60	1.45	1341+91.59
EP-1303	EX-1395	EX-1302	Circ.	Conc.	1	1.5	117.38	1.41	10.99	14.51	1.03	8.51	256.60	257.63	254.95	254.48	255.10	253.45	6.22	8.46	1.50	1.03	1342+08.30
EP-1401	EX-1401	OP-1499	Circ.	Conc.	1	1.5	264.12	0.59	10.09	9.41	1.50	5.86	270.28	270.81	268.72	268.72	268.78	267.22	5.71	5.71	1.50	1.50	1350+03.10
EP-1402	EX-1402	EX-1401	Circ.	Conc.	1	1.5	227.15	0.33	5.33	6.99	1.03	4.10	271.10	271.31	270.36	270.81	269.60	268.86	3.02	3.02	1.50	1.50	1352+05.10
EP-1403	EX-1409	EX-1403	Circ.	Conc.	1	2.5	130.79	1.10	12.32	50.16	0.88	8.04	273.14	272.17	271.70	270.08	270.64	269.20	3.93	7.95	1.53	0.88	1353+84.32
EP-1404	EX-1403	EX-1404	Circ.	Conc.	1	2.5	103.71	0.78	13.65	42.24	1.02	7.27	271.38	270.47	270.57	269.09	268.88	268.07	4.13	7.21	1.59	1.02	1355+02.43
EP-1405	EX-1404	OP-1493	Circ.	Conc.	1	3.0	325.67	0.84	28.32	71.16	1.38	8.96	270.80	270.11	268.07	266.45	267.80	265.07	4.85	8.96	2.31	1.38	1355+38.26
EP-1406	EX-1410	EX-1404	Circ.	Conc.	1	2.0	363.89	0.94	9.75	25.52	0.90	7.16	276.08	275.47	272.67	271.57	274.08	270.67	4.19	7.16	1.39	0.90	1357+52.70
EP-1408	EX-1408	OP-1405	Circ.	Conc.	1	1.5	182.70	0.44	5.96	8.14	1.00	4.75	274.60	274.20	273.79	273.79	273.10	272.29	4.27	3.37	1.11	1.50	1357+86.96
EP-1409	EX-1406	EX-1408	Circ.	Conc.	1	1.5	210.72	0.44	5.96	8.14	1.00	4.75	275.53	275.49	274.60	274.20	274.03	273.10	3.40	4.27	1.46	1.11	1358+27.31
EP-1496	EX-1494	EX-1410	Circ.	Conc.	1	1.5	131.99	0.80	6.31	10.91	0.86	6.04	277.13	277.15	276.08	275.44	275.63	274.58	3.57	6.04	1.50	0.86	1358+84.23
EP-1498	EX-1497	EX-1409	Circ.	Conc.	1	1.5	277.13	1.00	9.25	12.24	1.03	7.17	275.34	275.93	272.57	272.10	273.84	271.07	5.24	7.17	1.50	1.03	1352+37.32
EP-1501	EX-1501	OP-1599	Circ.	Conc.	1	1.5	137.55	4.65	8.10	26.41	0.59	12.45	283.52	283.87	277.12	276.22	282.02	275.62	4.58	12.36	1.50	0.60	1362+46.47
EP-1502	EX-1502	OP-1595	Circ.	Conc.	1	2.5	175.01	2.14	62.36	69.88	1.96	15.09	281.78	283.22	278.04	277.55	279.28	275.54	12.70	14.74	2.50	2.01	1364+80.78
EP-1504	EX-1504	EX-1502	Circ.	Conc.	1	2.5	295.12	1.59	61.59	60.19	2.50	12.87	286.46	290.05	281.78	283.22	283.96	279.28	12.55	12.55	2.50	2.50	1367+70.48
EP-1505	EX-1507	EX-1504	Circ.	Conc.	1	2.0	439.17	1.62	36.06	33.59	2.00	11.78	294.48	301.05	287.35	290.05	292.48	285.35	11.48	11.48	2.00	2.00	1372+01.82
EP-1506	EX-1505	EX-1506	Circ.	Conc.	1	1.5	136.88	0.17	6.46	5.02	1.50	3.75	295.53	302.33	295.30	301.89	294.03	293.80	3.66	3.66	1.50	1.50	1371+97.00
EP-1507	EX-1506	EX-1507	Circ.	Conc.	1	1.5	52.38	2.27	14.07	18.45	1.03	10.83	295.22	301.89	294.03	301.05	293.72	292.53	7.96	7.96	1.50	1.50	1371+99.99
EP-1508	EX-1508	EX-1507	Circ.	Conc.	1	2.0	54.17	2.23	27.35	39.40	1.29	12.80	297.39	301.76	296.18	301.05	295.39	294.18	8.70	8.70	2.00	2.00	1372+40.91

I-77 - EXISTING CLOSED SYSTEM DRAINAGE INFRASTRUCTURE GEOPAK DRAINAGE REPORTS - 10-YR STORM EVENT - LINK (3 OF 3)

Link ID	US Node	DS Node	Shape	Material	# of Barrels	Dia-meter (ft)	Length (ft)	Slope (%)	Discharge (cfs)	Capacity (cfs)	Uniform Depth (ft)	Uniform Velocity (fps)	Soffit US Elev. (ft)	HGL US Elev. (ft)	Soffit DS Elev. (ft)	HGL DS Elev. (ft)	Invert US Elev. (ft)	Invert DS Elev. (ft)	Actual US Vel. (fps)	Actual DS Vel. (fps)	Actual US Depth (ft)	Actual DS Depth (ft)	Node Station
EP-1509	EX-1509	EX-1508	Circ.	Conc.	1	2.0	94.16	3.68	25.19	50.54	1.04	15.20	300.85	302.76	297.39	301.76	298.85	295.39	8.02	8.02	2.00	2.00	1373+11.59
EP-1598	EX-1594	EX-1504	Circ.	Conc.	1	2.5	220.51	1.70	26.69	62.33	1.19	11.56	291.60	291.97	287.85	286.55	289.10	285.35	5.44	11.45	2.50	1.20	1369+36.36
EP-1601	EX-1698	EX-1601	Circ.	Conc.	1	1.5	41.26	5.11	1.40	27.68	0.24	7.78	312.58	311.67	310.47	309.21	311.08	308.97	2.20	7.67	0.59	0.24	1379+81.57
EP-1602	EX-1601	EX-1602	Circ.	Conc.	1	1.5	107.88	0.30	4.54	6.71	0.95	3.86	310.27	310.10	309.95	309.95	308.77	308.45	2.74	2.57	1.33	1.50	1379+82.20
EP-1603	EX-1602	EX-1603	Circ.	Conc.	1	1.5	123.98	0.15	7.48	4.66	1.50	4.35	309.85	309.95	309.67	309.23	308.35	308.17	4.24	5.61	1.50	1.06	1379+84.09
EP-1604	EX-1603	EX-1604	Circ.	Conc.	1	2.0	54.92	0.87	10.97	24.65	0.98	7.21	310.03	309.23	309.55	308.54	308.03	307.55	5.58	7.04	1.20	0.99	1379+86.51
EP-1605	EX-1604	OP-1699	Circ.	Conc.	1	3.0	118.99	10.00	30.41	245.79	0.74	22.47	289.94	289.27	278.04	275.81	286.94	275.04	5.16	21.28	2.33	0.77	1379+87.52
EP-1606	EX-1609	EX-1604	Circ.	Conc.	1	2.5	397.46	0.30	20.35	26.18	1.76	5.51	313.05	312.64	311.86	310.89	310.55	309.36	4.64	6.45	2.09	1.53	1383+84.97
EP-1607	EX-1605	EX-1606	Circ.	Conc.	1	1.5	42.62	0.30	3.64	6.71	0.83	3.66	315.04	315.14	314.91	315.10	313.54	313.41	2.06	2.06	1.50	1.50	1383+46.69
EP-1608	EX-1606	EX-1607	Circ.	Conc.	1	1.5	107.50	0.55	7.89	9.07	1.14	5.46	314.94	315.10	314.35	314.57	313.44	312.85	4.47	4.47	1.50	1.50	1383+51.50
EP-1609	EX-1607	EX-1608	Circ.	Conc.	1	1.5	123.87	0.72	12.24	10.38	1.50	7.11	314.11	314.57	313.22	313.04	312.61	311.72	6.93	7.42	1.50	1.32	1383+64.04
EP-1610	EX-1608	EX-1609	Circ.	Conc.	1	2.0	57.05	0.30	17.09	14.44	2.00	5.58	313.22	313.03	313.05	312.64	311.22	311.05	5.72	6.38	1.81	1.59	1383+78.82
EP-1611	EX-1610	EX-1609	Circ.	Conc.	1	1.5	392.88	1.24	1.83	13.62	0.39	5.10	324.13	323.32	319.27	318.16	322.63	317.77	2.28	5.10	0.69	0.39	1387+77.60
EP-1701	EX-1701	OP-1797	Circ.	Conc.	1	1.5	170.91	6.59	11.32	31.42	0.65	15.48	310.16	311.28	298.90	298.05	308.66	297.40	6.41	15.39	1.50	0.65	1399+90.93
EP-1801	EX-1802	OP-1896	Circ.	Conc.	1	2.0	177.77	2.85	14.98	44.52	0.83	12.11	302.39	301.84	297.32	296.16	300.39	295.32	6.16	12.00	1.45	0.84	1416+20.50
EP-1802	EX-1807	EX-1802	Circ.	Conc.	1	2.0	115.83	2.58	8.51	42.38	0.63	10.01	305.46	304.77	302.47	301.11	303.46	300.47	3.90	9.86	1.31	0.64	1416+52.08
EP-1803	EX-1803	OP-1895	Circ.	Conc.	1	2.5	156.84	0.69	50.64	39.67	2.50	10.58	308.92	309.89	307.84	307.84	306.42	305.34	10.32	10.32	2.50	2.50	1423+70.33
EP-1804	EX-1894	EX-1803	Circ.	Conc.	1	2.5	125.52	0.66	40.86	38.87	2.50	8.54	309.82	311.73	308.99	309.89	307.32	306.49	8.32	8.32	2.50	2.50	1424+12.27
EP-1806	EX-1801	OP-1899	Circ.	Conc.	1	2.0	131.81	2.09	17.53	38.08	0.99	11.25	302.00	302.58	299.25	298.26	300.00	297.25	5.58	10.99	2.00	1.01	1410+72.23
EP-1807	EX-1897	EX-1807	Circ.	Conc.	1	2.0	8.39	2.59	8.51	42.40	0.63	10.01	305.68	305.22	305.46	304.27	303.68	303.46	3.27	7.14	1.54	0.81	1416+60.60
EP-2101	EX-2198	EX-2101	Circ.	Conc.	1	3.0	136.61	3.07	54.49	136.11	1.38	17.25	307.21	308.57	303.02	301.49	304.21	300.02	7.71	15.88	3.00	1.47	1458+56.65
EP-2102	EX-2101	OP-2199	Circ.	Conc.	1	3.0	169.92	1.19	60.73	84.77	1.98	12.27	303.02	302.57	301.00	300.02	300.02	298.00	9.48	12.03	2.55	2.02	1459+00.30
EP-2104	EX-2102	OP-2195	Circ.	Conc.	1	1.5	202.74	6.98	16.80	32.34	0.80	17.48	283.94	287.04	269.79	269.10	282.44	268.29	9.51	17.39	1.50	0.81	1471+91.64
EP-2201	EX-2201	OP-2299	Circ.	Conc.	1	2.0	154.33	1.35	15.39	30.68	1.05	9.26	288.06	287.53	285.97	285.02	286.06	283.97	6.22	9.17	1.47	1.05	1475+65.71
EP-2202	EX-2202	EX-2201	Circ.	Conc.	1	2.0	153.69	1.41	6.06	31.33	0.62	7.32	290.14	289.40	287.97	286.59	288.14	285.97	2.92	7.31	1.26	0.62	1476+68.11
EP-2203	EX-2203	OP-2298	Circ.	Conc.	1	3.0	150.53	0.59	45.29	59.43	2.07	8.71	304.66	304.18	303.78	303.78	301.66	300.78	7.14	6.41	2.52	3.00	1484+97.49
EP-2204	EX-2204	EX-2203	Circ.	Conc.	1	3.0	148.46	0.89	26.00	73.29	1.29	8.97	306.01	305.48	304.69	302.99	303.01	301.69	4.18	8.87	2.47	1.30	1485+95.89
EP-2301	EX-2302	OP-2399	Circ.	Conc.	1	2.0	81.18	1.08	7.54	27.45	0.74	7.08	335.63	334.79	334.75	333.50	333.63	332.75	3.99	6.97	1.16	0.75	1500+90.21
EP-2302	EX-2304	EX-2302	Circ.	Conc.	1	1.5	300.45	0.78	6.11	10.78	0.85	5.94	337.34	337.32	335.01	334.36	335.84	333.51	3.47	5.94	1.48	0.85	1503+88.57
EP-2303	EX-2303	OP-2397	Circ.	Conc.	1	1.5	147.18	1.55	6.28	15.24	0.70	7.79	337.00	337.01	334.72	333.92	335.50	333.22	3.55	7.75	1.50	0.70	1503+93.13
EP-2304	EX-2301	OP-2398	Circ.	Conc.	1	1.5	87.03	0.37	2.61	7.42	0.64	3.65	334.82	334.53	334.50	334.50	333.32	333.00	1.71	1.48	1.21	1.50	1499+93.01