

I-77 - EXISTING CLOSED SYSTEM DRAINAGE INFRASTRUCTURE GEOPAK DRAINAGE REPORTS - 10-YR STORM EVENT - NODE (1 OF 4)

Node ID	Type	Library Item Name	Reference Chain	Station	Offset (ft)	Elevation (ft)	Depth (ft)	Junction Loss	T _c Used	Cumulative T _c (min)	Cumulative Discharge (cfs)	Cumulative Area (ac)	Cumulative C Value	Cumulative Intensity (in/hr)
EX-0301	Inlet	Ex. D.I.	I77EX	1170+37.50	127.18	251.99	2.96	0.00	7.00	7.00	8.56	3.05	0.42	6.74
EX-0302	Inlet	Ex. D.I.	I77EX	1173+56.42	0.04	253.45	3.48	0.00	15.00	15.00	16.81	4.69	0.64	5.57
DN-0306	Inlet	Dummy Joint	I77EX	1181+51.42	-97.86	257.91	5.00	0.10	20.76	21.40	75.36	19.81	0.51	4.95
EX-0306	Inlet	Ex. D.I.	I77EX	1180+59.01	-120.68	257.91	5.29	1.60	21.61	21.61	128.46	21.14	0.52	4.87
EX-0307	Inlet	Ex. D.I.	I77EX	1181+03.11	-0.43	262.37	2.50	0.00	7.00	7.00	5.41	1.33	0.60	6.74
OP-0394	Outlet	Ex. Outlet	I77EX	1177+37.24	-118.33	249.66	0.00	0.00	0.00	22.01	0.00	21.14	0.52	0.00
EX-0396	Inlet	Ex. D.I.	I77EX	1180+43.59	-159.75	260.39	3.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00
OP-0397	Outlet	Ex. Outlet	I77EX	1173+06.85	-147.42	245.72	0.00	0.00	0.00	15.22	0.00	4.69	0.64	0.00
OP-0398	Outlet	Ex. Outlet	I77EX	1171+32.32	199.03	246.35	0.00	0.00	0.00	7.21	0.00	3.05	0.42	0.00
EX-0401	Inlet	Ex. D.I.	I77EX	1187+81.00	-239.87	279.74	3.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00
EX-0402	Inlet	Ex. D.I.	I77EX	1187+35.02	-101.51	271.16	7.66	0.80	20.76	20.76	75.36	19.81	0.51	4.95
EX-0403	Inlet	Ex. D.I.	I77EX	1187+66.04	0.06	272.82	4.94	0.00	5.00	5.00	4.52	1.04	0.61	7.12
EX-0404	Inlet	Ex. D.I.	I77EX	1197+37.35	-122.02	301.92	5.30	0.37	19.10	19.10	38.57	14.68	0.51	5.11
EX-0405	Inlet	Ex. D.I.	I77EX	1197+98.53	0.86	305.78	4.66	0.07	9.00	9.00	11.59	2.92	0.62	6.41
EX-0406	Inlet	Ex. D.I.	I77EX	1198+62.42	122.89	306.52	2.83	0.00	6.00	6.00	6.27	1.55	0.58	6.92
EX-0407	Inlet	Ex. D.I.	I77EX	1192+84.72	0.20	301.92	2.50	0.00	5.00	5.00	4.40	1.02	0.61	7.12
EX-0408	Inlet	Ex. D.I.	I77EX	1192+50.69	-112.51	301.92	5.42	0.12	20.34	20.34	40.73	15.70	0.52	4.99
EX-0501	Inlet	Ex. D.I.	I77EX	1200+94.07	-310.57	317.24	5.24	0.00	12.00	12.00	2.86	1.50	0.32	5.96
EX-0502	Inlet	Ex. D.I.	I77EX	1201+11.72	-128.80	315.01	5.59	0.37	18.67	18.67	26.39	10.64	0.48	5.16
EX-0503	Junction	Ex. M.H.	I77EX	1202+11.51	-169.16	322.27	11.08	0.12	18.09	18.49	21.27	8.21	0.50	5.22
EX-0504	Inlet	Ex. D.I.	I77EX	1204+26.73	-217.15	323.45	8.75	0.00	5.00	5.00	0.83	0.39	0.30	7.12
EX-0505	Inlet	Ex. D.I.	I77EX	1204+39.03	-184.12	322.21	8.08	0.37	18.09	18.09	21.27	8.21	0.50	5.22
EX-0506	Inlet	Ex. D.I.	I77EX	1204+68.07	-99.21	325.62	5.55	0.02	18.00	18.00	15.11	5.78	0.50	5.23
EX-0507	Inlet	Ex. D.I.	I77EX	1205+05.31	3.13	328.32	3.64	0.35	8.00	8.00	11.37	2.79	0.62	6.57
EX-0508	Inlet	Ex. D.I.	I77EX	1206+09.46	86.99	333.96	6.86	0.15	5.37	5.37	2.84	0.79	0.51	7.05
EX-0509	Inlet	Ex. D.I.	I77EX	1205+89.05	154.97	329.74	2.30	0.00	5.00	5.00	2.32	0.60	0.55	7.12
EX-0601	Inlet	Ex. D.I.	I77EX	1215+82.20	6.78	335.84	22.67	0.00	5.00	5.00	3.65	0.78	0.66	7.12
EX-0602	Junction	Ex. M.H.	I77EX	1216+80.67	0.89	307.44	4.36	0.20	5.00	5.13	3.65	0.78	0.66	7.12
EX-0603	Inlet	Ex. D.I.	I77EX	1215+61.01	201.62	312.20	2.87	0.00	9.00	9.00	5.06	2.34	0.34	6.41
EX-0604	Inlet	Ex. D.I.	I77EX	1216+31.17	199.13	305.62	4.25	0.35	9.09	9.09	9.01	3.42	0.41	6.39
EX-0605	Inlet	Ex. D.I.	I77EX	1223+44.71	7.63	322.16	4.55	0.00	7.00	7.00	7.68	1.56	0.73	6.74
EX-0606	Inlet	Ex. D.I.	I77EX	1224+32.81	-138.78	290.73	4.30	0.16	5.69	5.69	2.05	0.98	0.30	6.98
EX-0607	Inlet	Ex. D.I.	I77EX	1225+12.54	-140.25	294.35	7.82	0.00	5.00	5.00	0.79	0.37	0.30	7.12
EX-0608	Inlet	Ex. D.I.	I77EX	1224+48.58	36.20	287.65	6.60	0.69	7.07	7.07	11.31	3.37	0.50	6.73
EX-0609	Inlet	Ex. D.I.	I77EX	1229+50.07	11.29	300.19	4.19	0.00	6.00	6.00	4.57	1.03	0.64	6.92
EX-0610	Inlet	Ex. D.I.	I77EX	1230+01.54	101.30	299.47	5.75	0.01	6.21	6.21	4.73	1.11	0.62	6.88
OP-0611	Outlet	Ex. Outlet	I77EX	1215+78.21	548.18	293.64	0.00	0.00	0.00	9.71	0.00	3.42	0.41	0.00
OP-0680	Outlet	Ex. Outlet	I77EX	1230+32.55	164.41	292.02	0.00	0.00	0.00	6.35	0.00	1.11	0.62	0.00
OP-0683	Outlet	Ex. Outlet	I77EX	1224+44.47	115.07	282.35	3.35	0.00	0.00	7.19	0.00	3.37	0.50	0.00
EX-0701	Inlet	Ex. D.I.	I77EX	1235+98.59	7.12	277.55	3.73	0.00	6.00	6.00	9.77	2.09	0.68	6.92
EX-0702	Inlet	Ex. D.I.	I77EX	1246+61.97	-6.00	244.76	4.71	0.00	8.00	8.00	9.36	2.17	0.66	6.57
OP-0798	Outlet	Ex. Outlet	I77EX	1246+60.90	155.54	224.27	0.00	0.00	0.00	8.16	0.00	2.17	0.66	0.00

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Node ID	Type	Library Item Name	Reference Chain	Station	Offset (ft)	Elevation (ft)	Depth (ft)	Junction Loss	T _c Used	Cumulative T _c (min)	Cumulative Discharge (cfs)	Cumulative Area (ac)	Cumulative C Value	Cumulative Intensity (in/hr)
OP-0799	Outlet	Ex. Outlet	I77EX	1236+12.14	196.98	241.36	0.00	0.00	0.00	6.15	0.00	2.09	0.68	0.00
EX-0801	Inlet	Ex. D.I.	I77EX	1252+00.86	-6.56	240.19	4.00	0.00	11.00	11.00	13.44	3.15	0.70	6.10
EX-0802	Inlet	Ex. D.I.	I77EX	1253+26.13	-127.40	233.84	4.46	0.00	9.00	9.00	9.47	3.41	0.43	6.41
EX-0803	Inlet	Ex. D.I.	I77EX	1261+46.66	-2.56	245.37	2.40	0.00	10.00	10.00	6.91	1.84	0.60	6.25
OP-0897	Outlet	Ex. Outlet	I77EX	1259+69.51	93.03	242.30	0.00	0.00	0.00	10.80	0.00	1.84	0.60	0.00
OP-0898	Outlet	Ex. Outlet	I77EX	1253+34.79	114.57	225.54	0.00	0.00	0.00	9.47	0.00	3.41	0.43	0.00
OP-0899	Outlet	Ex. Outlet	I77EX	1253+32.63	116.10	225.40	0.00	0.00	0.00	11.19	0.00	3.15	0.70	0.00
EX-0901	Inlet	Ex. D.I.	I77EX	1270+50.25	0.89	250.82	4.23	0.00	10.00	10.00	8.02	1.97	0.65	6.25
EX-0907	Inlet	Ex. D.I.	I77EX	1278+84.95	6.47	256.69	9.60	0.02	75.19	75.19	54.06	37.54	0.60	2.41
EX-0993	Inlet	Ex. C.B.	I77EX	1279+52.96	116.11	248.43	0.00	0.00	75.00	75.00	51.23	35.67	0.60	2.41
OP-0995	Outlet	Ex. Outlet	I77EX	1278+03.43	-119.09	246.04	0.00	0.00	0.00	75.45	0.00	37.54	0.60	0.00
OP-0999	Outlet	Ex. Outlet	I77EX	1271+67.92	-118.10	244.92	0.00	0.00	0.00	10.40	0.00	1.97	0.65	0.00
EX-1001	Inlet	Ex. C.B.	I77EX	1286+58.13	-85.13	264.17	8.81	0.62	50.37	50.37	42.25	25.69	0.52	3.15
EX-1001S	Inlet	Dummy Joint	I77EX	1283+69.91	-100.81	260.00	6.00	0.04	50.37	50.95	42.25	25.69	0.52	3.15
EX-1002	Inlet	Ex. D.I.	I77EX	1286+46.91	0.26	262.00	5.67	0.02	50.24	50.24	33.12	19.67	0.54	3.15
EX-1003	Inlet	Ex. D.I.	I77EX	1286+34.09	86.56	263.15	6.24	0.02	50.10	50.10	31.79	18.94	0.53	3.16
EX-1004	Inlet	Ex. D.I.	I77EX	1286+42.80	146.26	261.00	3.43	0.00	50.00	50.00	31.03	18.49	0.53	3.16
EX-1005	Inlet	Ex. D.I.	I77EX	1290+03.73	0.06	265.00	4.08	0.02	12.30	12.30	10.56	3.44	0.52	5.92
EX-1007	Inlet	Ex. D.I.	I77EX	1290+51.16	100.20	264.44	2.50	0.00	12.00	12.00	5.25	1.94	0.46	5.96
EX-1008	Inlet	Ex. C.B.	I77EX	1289+59.80	-92.14	267.47	9.02	0.19	12.54	12.54	15.12	5.31	0.48	5.89
EX-1009	Inlet	Ex. C.B.	I77EX	1291+83.45	-91.79	269.34	7.16	0.00	8.00	8.00	2.94	1.02	0.44	6.57
OP-1010	Outlet	Ex. Outlet	I77EX	1281+81.78	-116.88	253.25	0.00	0.00	0.00	51.30	0.00	25.69	0.52	0.00
EX-1101	Inlet	Ex. D.I.	I77EX	1297+48.27	0.25	270.81	3.39	0.03	10.37	10.37	11.45	3.17	0.58	6.19
EX-1102	Junction	Ex. M.H.	I77EX	1297+45.42	-91.66	273.83	7.45	0.14	10.37	10.56	11.45	3.17	0.58	6.19
EX-1103	Inlet	Ex. D.I.	I77EX	1297+50.24	96.10	270.81	2.50	0.00	10.00	10.00	6.70	1.87	0.57	6.25
EX-1105	Junction	Ex. M.H.	I77EX	1298+55.47	-104.45	276.80	10.75	0.06	10.37	10.94	11.45	3.17	0.58	6.19
EX-1106	Junction	Ex. M.H.	I77EX	1299+13.66	-138.16	273.75	9.19	0.35	11.05	11.05	17.22	5.58	0.51	6.09
EX-1107	Inlet	Ex. D.I.	I77EX	1303+59.76	-133.40	264.46	3.50	2.42	25.27	25.27	42.35	19.46	0.48	4.55
EX-1107A	Inlet	Ex. D.I.	I77EX	1299+67.58	-123.79	272.28	9.11	0.05	11.15	11.15	18.34	6.04	0.50	6.08
EX-1108	Inlet	Ex. D.I.	I77EX	1304+38.27	116.81	276.78	3.00	0.00	25.00	25.00	22.27	9.49	0.51	4.58
EX-1192	Inlet	Ex. D.I.	I77EX	1297+67.75	-289.17	279.23	4.70	0.00	8.00	8.00	6.42	2.41	0.41	6.57
OP-1196	Outlet	Ex. Outlet	I77EX	1302+99.11	-441.46	261.84	8.98	0.00	0.00	25.65	0.00	19.46	0.48	0.00
EX-1201	Inlet	Ex. D.I.	I77EX	1320+48.58	-0.08	258.49	6.09	0.69	17.52	17.52	31.63	13.33	0.45	5.28
EX-1202	Inlet	Ex. D.I.	I77EX	1327+67.60	-2.97	251.09	5.50	0.05	18.78	18.78	35.83	14.89	0.47	5.15
EX-1203	Inlet	Ex. D.I.	I77EX	1319+99.01	101.79	258.86	5.26	0.00	13.00	13.00	9.15	3.54	0.44	5.82
EX-1204	Inlet	Ex. D.I.	I77EX	1320+08.68	-94.77	259.32	5.69	0.05	17.29	17.29	12.62	6.40	0.37	5.31
EX-1205	Inlet	Ex. D.I.	I77EX	1319+68.98	-191.32	258.89	4.31	0.00	17.00	17.00	5.09	3.18	0.30	5.34
EX-1301	Inlet	Ex. D.I.	I77EX	1332+19.25	-3.29	253.35	3.11	0.00	12.00	12.00	9.96	2.56	0.65	5.96
EX-1302	Inlet	Ex. D.I.	I77EX	1341+91.59	-3.59	263.17	9.75	0.01	14.00	14.00	19.49	5.51	0.62	5.69
OP-1394	Outlet	Ex. Outlet	I77EX	1341+76.28	-121.75	252.44	0.00	0.00	0.00	14.25	0.00	5.51	0.62	0.00
EX-1395	Inlet	Dummy Joint	I77EX	1342+08.30	112.61	255.10	0.00	0.00	11.55	11.55	10.99	3.19	0.57	6.02
OP-1396	Outlet	Ex. Outlet	I77EX	1332+11.55	166.38	228.48	0.00	0.00	0.00	12.15	0.00	2.56	0.65	0.00

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Node ID	Type	Library Item Name	Reference Chain	Station	Offset (ft)	Elevation (ft)	Depth (ft)	Junction Loss	T _c Used	Cumulative T _c (min)	Cumulative Discharge (cfs)	Cumulative Area (ac)	Cumulative C Value	Cumulative Intensity (in/hr)
OP-1399	Outlet	Ex. Outlet	I77EX	1328+57.76	-0.77	225.88	0.00	0.00	0.00	18.83	0.00	14.89	0.47	0.00
EX-1401	Inlet	Ex. D.I.	I77EX	1350+03.10	-4.06	271.72	2.94	0.01	17.92	17.92	10.09	3.75	0.52	5.24
EX-1402	Inlet	Ex. D.I.	I77EX	1352+05.10	102.24	271.45	1.85	0.00	17.00	17.00	5.33	2.36	0.42	5.34
EX-1403	Inlet	Ex. D.I.	I77EX	1355+02.43	-101.05	277.20	8.32	0.35	10.92	10.92	13.65	6.37	0.35	6.11
EX-1404	Inlet	Ex. D.I.	I77EX	1355+38.26	-3.81	277.69	9.89	0.59	13.21	13.21	28.32	12.67	0.39	5.80
OP-1405	Outlet	Ex. Outlet	I77EX	1357+22.79	270.84	272.29	0.00	0.00	0.00	11.38	0.00	1.77	0.54	0.00
EX-1406	Inlet	Ex. D.I.	I77EX	1358+27.31	-107.05	280.00	5.97	0.00	10.00	10.00	5.96	1.77	0.54	6.25
EX-1408	Inlet	Ex. D.I.	I77EX	1357+86.96	99.78	279.96	6.86	0.04	10.00	10.74	5.96	1.77	0.54	6.25
EX-1409	Inlet	Ex. D.I.	I77EX	1353+84.32	-153.05	274.55	3.91	0.35	10.65	10.65	12.32	5.62	0.36	6.15
EX-1410	Inlet	Ex. D.I.	I77EX	1357+52.70	-304.47	277.08	3.00	0.27	12.36	12.36	9.75	4.70	0.35	5.91
OP-1493	Outlet	Ex. Outlet	I77EX	1355+52.53	321.56	265.07	0.00	0.00	0.00	13.82	0.00	12.67	0.39	0.00
EX-1494	Inlet	Ex. D.I.	I77EX	1358+84.23	-293.47	278.39	2.76	0.00	12.00	12.00	6.31	2.76	0.38	5.96
EX-1497	Inlet	Ex. D.I.	I77EX	1352+37.32	-384.82	297.89	24.05	0.00	10.00	10.00	9.25	4.34	0.34	6.25
OP-1499	Outlet	Ex. Outlet	I77EX	1347+75.41	-134.51	267.22	0.00	0.00	0.00	18.67	0.00	3.75	0.52	0.00
EX-1501	Inlet	Ex. D.I.	I77EX	1362+46.47	-0.35	287.07	5.05	0.00	5.00	5.00	8.10	1.89	0.60	7.12
EX-1502	Inlet	Ex. D.I.	I77EX	1364+80.78	328.41	283.85	4.57	1.53	50.70	50.70	62.36	40.55	0.49	3.13
EX-1504	Inlet	Ex. D.I.	I77EX	1367+70.48	272.14	289.10	5.14	1.15	50.32	50.32	61.59	39.73	0.49	3.15
EX-1505	Inlet	Ex. D.I.	I77EX	1371+97.00	0.37	300.61	6.58	0.00	7.00	7.00	6.46	1.59	0.60	6.74
EX-1506	Inlet	Ex. D.I.	I77EX	1371+99.99	137.22	299.02	5.30	0.04	10.00	10.00	14.07	3.45	0.65	6.25
EX-1507	Inlet	Ex. D.I.	I77EX	1372+01.82	189.57	297.82	5.34	1.50	40.17	40.17	36.06	22.26	0.45	3.60
EX-1508	Inlet	Ex. C.B.	I77EX	1372+40.91	227.07	300.09	4.70	0.04	40.10	40.10	27.35	18.54	0.41	3.60
EX-1509	Inlet	Ex. D.I.	I77EX	1373+11.59	289.27	302.44	3.59	0.00	40.00	40.00	25.19	17.60	0.40	3.61
EX-1594	Inlet	Ex. D.I.	I77EX	1369+36.36	417.43	289.10	0.00	0.00	50.00	50.00	26.69	15.60	0.54	3.16
OP-1595	Outlet	Ex. Outlet	I77EX	1363+81.78	184.10	275.54	0.00	0.00	0.00	50.89	0.00	40.55	0.49	0.00
OP-1599	Outlet	Ex. Outlet	I77EX	1362+00.72	129.36	275.62	0.00	0.00	0.00	5.18	0.00	1.89	0.60	0.00
EX-1601	Inlet	Ex. D.I.	I77EX	1379+82.20	-107.25	311.76	2.99	0.01	7.00	7.00	4.54	1.12	0.60	6.74
EX-1602	Inlet	Ex. D.I.	I77EX	1379+84.09	0.61	311.81	3.46	0.01	7.47	7.47	7.48	1.86	0.60	6.66
EX-1603	Inlet	Ex. D.I.	I77EX	1379+86.51	124.57	311.50	3.47	0.01	9.00	9.00	10.97	2.79	0.61	6.41
EX-1604	Inlet	Ex. C.B.	I77EX	1379+87.52	179.48	315.69	28.75	0.54	18.99	18.99	30.41	11.15	0.53	5.13
EX-1605	Inlet	Ex. C.B.	I77EX	1383+46.69	-149.27	318.30	4.76	0.00	5.00	5.00	3.64	0.90	0.57	7.12
EX-1606	Inlet	Ex. D.I.	I77EX	1383+51.50	-106.92	317.23	3.82	0.01	17.00	17.00	7.89	3.28	0.45	5.34
EX-1607	Inlet	Ex. D.I.	I77EX	1383+64.04	-0.16	317.54	4.93	0.01	17.33	17.33	12.24	4.65	0.50	5.30
EX-1608	Inlet	Ex. D.I.	I77EX	1383+78.82	122.82	316.58	5.36	0.01	17.62	17.62	17.09	6.25	0.52	5.27
EX-1609	Inlet	Ex. C.B.	I77EX	1383+84.97	179.53	321.27	10.72	0.34	17.79	17.79	20.35	7.73	0.50	5.25
EX-1610	Inlet	Ex. C.B.	I77EX	1387+77.60	193.67	326.13	3.50	0.00	6.00	6.00	1.83	0.88	0.30	6.92
EX-1698	Inlet	Dummy Joint	I77EX	1379+81.57	-148.51	311.08	0.00	0.00	5.00	5.00	1.40	0.39	0.50	7.12
OP-1699	Outlet	Ex. Outlet	I77EX	1379+02.96	263.21	275.54	0.50	0.00	0.00	19.08	0.00	11.15	0.53	0.00
EX-1701	Inlet	Ex. D.I.	I77EX	1399+90.93	-3.77	313.10	4.44	0.00	11.00	11.00	11.32	2.73	0.68	6.10
OP-1797	Outlet	Ex. Outlet	I77EX	1400+45.07	158.58	297.40	0.00	0.00	0.00	11.18	0.00	2.73	0.68	0.00
EX-1801	Inlet	Ex. D.I.	I77EX	1410+72.23	0.61	305.12	5.12	0.00	14.00	14.00	17.53	4.50	0.68	5.69
EX-1802	Inlet	Ex. D.I.	I77EX	1416+20.50	0.53	306.68	6.29	0.05	22.10	22.10	14.98	7.91	0.39	4.83
EX-1803	Inlet	Ex. D.I.	I77EX	1423+70.33	0.19	311.38	4.96	0.01	76.13	76.13	50.64	46.90	0.45	2.39

I-77 - EXISTING CLOSED SYSTEM DRAINAGE INFRASTRUCTURE GEOPAK DRAINAGE REPORTS - 10-YR STORM EVENT - NODE (4 OF 4)

Node ID	Type	Library Item Name	Reference Chain	Station	Offset (ft)	Elevation (ft)	Depth (ft)	Junction Loss	T _c Used	Cumulative T _c (min)	Cumulative Discharge (cfs)	Cumulative Area (ac)	Cumulative C Value	Cumulative Intensity (in/hr)
EX-1807	Inlet	Dummy Joint	I77EX	1416+52.08	112.06	308.00	4.54	0.27	21.89	21.90	8.51	5.91	0.30	4.84
EX-1894	Inlet	Dummy Joint	I77EX	1424+12.27	118.49	307.32	0.00	0.00	75.88	75.88	40.86	40.69	0.42	2.39
OP-1895	Outlet	Ex. Outlet	I77EX	1423+18.17	-147.72	305.34	0.00	0.00	0.00	76.37	0.00	46.90	0.45	0.00
OP-1896	Outlet	Ex. Outlet	I77EX	1415+71.96	-170.28	295.32	0.00	0.00	0.00	22.34	0.00	7.91	0.39	0.00
EX-1897	Inlet	Dummy Joint	I77EX	1416+60.60	111.36	303.68	0.00	0.00	21.89	21.89	8.51	5.91	0.30	4.84
OP-1899	Outlet	Ex. Outlet	I77EX	1410+45.30	129.71	297.25	0.00	0.04	0.00	14.20	0.00	4.50	0.68	0.00
EX-2101	Inlet	Ex. D.I.	I77EX	1459+00.30	-0.37	309.92	9.90	0.04	46.38	46.38	60.73	34.51	0.53	3.31
EX-2102	Inlet	Ex. D.I.	I77EX	1471+91.64	0.23	287.64	5.20	0.00	12.00	12.00	16.80	4.22	0.67	5.96
OP-2195	Outlet	Ex. Outlet	I77EX	1471+38.32	-195.38	268.29	0.00	0.00	0.00	12.19	0.00	4.22	0.67	0.00
EX-2198	Inlet	Dummy Joint	I77EX	1458+56.65	129.08	304.21	0.00	0.00	46.25	46.25	54.49	31.63	0.52	3.31
OP-2199	Outlet	Ex. Outlet	I77EX	1459+53.18	-161.85	298.00	0.00	0.00	0.00	46.61	0.00	34.51	0.53	0.00
EX-2201	Inlet	Ex. D.I.	I77EX	1475+65.71	0.49	290.51	4.54	0.06	10.35	10.35	15.39	4.28	0.58	6.20
EX-2202	Inlet	Ex. D.I.	I77EX	1476+68.11	114.86	291.55	3.41	0.00	10.00	10.00	6.06	1.90	0.51	6.25
EX-2203	Inlet	Ex. D.I.	I77EX	1484+97.49	0.25	305.89	4.23	0.06	20.28	20.28	45.29	18.35	0.49	5.00
EX-2204	Inlet	Ex. D.I.	I77EX	1485+95.89	111.22	307.34	4.33	0.00	20.00	20.00	26.00	11.49	0.45	5.02
OP-2298	Outlet	Ex. Outlet	I77EX	1483+96.76	-111.82	300.78	0.00	0.00	0.00	20.56	0.00	18.35	0.49	0.00
OP-2299	Outlet	Ex. Outlet	I77EX	1474+61.90	-113.95	283.97	0.00	0.00	0.00	10.63	0.00	4.28	0.58	0.00
EX-2301	Inlet	Ex. D.I.	I77EX	1499+93.01	-92.13	335.92	2.60	0.00	6.00	6.00	2.61	0.63	0.60	6.92
EX-2302	Inlet	Ex. D.I.	I77EX	1500+90.21	91.87	337.63	4.12	0.18	15.84	15.84	7.54	3.61	0.38	5.47
EX-2303	Inlet	Ex. D.I.	I77EX	1503+93.13	-113.65	339.85	4.35	0.00	14.00	14.00	6.28	3.10	0.36	5.69
EX-2304	Inlet	Ex. D.I.	I77EX	1503+88.57	113.11	338.86	3.02	0.00	15.00	15.00	6.11	3.12	0.35	5.57
OP-2397	Outlet	Ex. Outlet	I77EX	1503+14.97	-238.73	333.22	0.00	0.00	0.00	14.32	0.00	3.10	0.36	0.00
OP-2398	Outlet	Ex. Outlet	I77EX	1499+64.98	-174.57	333.00	0.00	0.00	0.00	6.40	0.00	0.63	0.60	0.00
OP-2399	Outlet	Ex. Outlet	I77EX	1500+30.57	146.62	332.75	0.00	0.00	0.00	16.03	0.00	3.61	0.38	0.00