

# HYDRAULIC DATA

PROJECT: OSAGE MEADOWS PLAT 3

SHEET 1 OF 3

LINE	Length	Size	Upper Flow Line	Lower Flow Line	F.L. Grade	Upper St. Elev.	Lower St. Elev.	Depth To Hy. Gr. Upper End	Upper Hy. Elev.	Lower Hy. Elev.	Hy. Grade	Frict. Head	Veloc Ft./Sec	V <sup>2</sup> /2g Feet	V <sup>2</sup> /2g V. Head	Turn Loss	Street Grade @ Inlet	Inlet Capacity Cu. Ft./Sec	Area Acres	P. I.	Quantity Cu. Ft./Sec	82-120	
																						T. Q.	Pipe Cap. Cu. Ft./Sec
EP 230	CI 229	245'	603.28	600.83	1.0	-	611.5	-	610.39	608.58	.0074	1.81	10.6	1.75	-	1°0'	-	-	3.25	2.4	7.80	168.91	196.70
CI 229	CI 228	282'	600.83	598.01	1.0	611.5	608.9	2.9	608.16	606.18	.0070	1.98	11.8	2.17	0.42	1°0'	1.0	2.29	67.13	2.4	161.11	281.30	335.70
CI 228	MH 226	573'	598.01	592.85	0.9	608.9	612.0	2.7	606.18	603.33	.0050	2.85	10.6	1.75	-	1°0'	Low	4.00	46.37	2.4	111.29	298.68	401.68
MH 226	MH 225	143'	592.85	591.13	1.2	612.0	611.3	8.7	601.39	599.87	.0106	1.52	15.4	3.69	1.94	1°0'	-	-	2.46	2.4	1.10	436.74	463.62
MH 225	EX. EP 224	74'	591.13	590.17	1.3	611.3	-	11.4	599.28	598.37	.0123	0.91	16.6	4.28	0.59	1°0'	-	-	0.59	2.4	15.82	470.44	482.68
AI 238	DCI 237	67'	609.67	607.53	3.2	614.5	612.9	3.6	609.97	608.78	.0178	1.19	7.0	0.76	-	0°15'	3-5	8.25	2F011	2.4	8.64	8.64	11.57
DCI 237	CI 236	52'	607.53	605.87	3.2	612.9	611.2	4.1	608.15	607.42	.0141	0.73	7.1	0.78	0.02	0°37'	4.0	3.56	2F011	2.4	3.84	12.48	18.80
CI 236	CI 235	35'	605.87	604.75	3.2	611.2	611.1	3.8	606.88	606.25	.0165	0.63	7.6	0.90	0.12	0°20'	1.9	1.97	2F011	2.4	1.01	15.49	18.80
CI 235	MH 234	42'	604.75	603.41	3.2	611.1	608.8	4.9	605.52	605.10	.0177	0.42	7.9	0.97	0.07	0°45'	1.9	1.97	2F011	2.4	0.48	13.97	18.80
MH 234	MH 233	208'	603.41	596.75	3.2	608.8	603.9	3.7	605.10	601.43	.0177	3.67	7.9	0.97	-	0°0'	-	-	-	-	-	13.97	18.80
MH 233	CI 232	25'	596.75	596.00	3.0	603.9	603.8	2.5	601.43	601.29	.0057	0.14	5.5	0.47	-	0°0'	-	-	1.32	2.4	3.17	17.14	39.18
CI 232	MH 225	325'	596.00	591.13	1.5	603.8	611.3	2.5	601.10	599.87	.0038	1.23	4.2	0.27	-	0°19'	Low	4.0	2.62	2.4	6.29	25.18	50.23
AI 227	CI 231	98'	598.40	596.44	2.0	605.1	603.8	1.3	603.75	601.99	.0180	1.76	6.1	0.58	-	0°0'	2-3	5.5	603.75	2.4	4.78	4.78	5.04
CI 231	CI 232	44'	596.44	596.00	1.0	603.8	603.8	1.8	601.71	601.29	.0095	0.42	5.1	0.40	-	0°28'	Low	4.0	0.63	2.4	1.51	6.29	6.47
AI 233A	MH 233	106'	597.81	596.75	1.0	604.3	603.9	1.8	602.45	601.43	.0079	0.84	4.0	0.25	-	0°18'	2-5	5.5	602.45	2.4	3.17	3.17	3.57
AI 240	CI 239	97'	604.92	601.82	3.2	610.3	609.0	1.8	608.49	606.99	.0155	1.50	7.4	0.85	-	0°0'	4-5	11.0	608.49	2.4	13.08	13.08	18.80
CI 239	CI 228	84'	601.82	600.73	3.2	609.0	609.0	2.0	606.52	606.18	.0100	0.34	6.6	0.68	-	0°47'	Low	4.0	1.14	2.4	2.74	15.82	28.33

@ 1.71 Ac.  
EX. 9 = 6.12  
To AI-238  
EX. 9 = 2.79  
To CI-237

@ 1.71 Ac.  
EX. 9 = 9.27  
To AI-240

# HYDRAULIC DATA

PROJECT: Ozage Meadows Plat 3

SHEET 2 OF 3

Date

Checked By

Date

Computed By

LINE		Length	Size	Upper Flow Line	Lower Flow Line	F.L. Grade	Upper St. Elev.	Lower St. Elev.	Depth to Hy. Elev. Upper	Upper Hy. Elev.	Lower Hy. Elev.	Hy. Grade	Fric. Head	Veloc ft/sec	V <sup>2</sup> /2g	V <sup>2</sup> /2g	Turn Loss	Street Grade	Inlet Capacity	Area Acres	P.I.	Quantity Cu Ft./Sec	82-120		
Upper Station	Lower Station																						T. Q.	Pipe Cap. Cu Ft./Sec	
CI 242	CI 241	34'	15"	606.10	605.42	2.0	610.20	610.12	2.8	606.10	606.47	.0002	0.01	.82	0.01	-	0° 45'	2.0	1.93	0.42	2.4	1.01	1.01	9.15	
CI 241	Tee 241-A	48'	15"	605.42	600.62	10.0	610.12	-	3.4	606.50	606.45	.00097	0.05	1.6	0.04	0.03	0° 45'	2.0	1.93	0.42	2.4	1.01	2.02	20.46	
										608.58															
AI 243	Tee 243-A	30'	12"	602.45	602.45	10.0	611.7	-	3.1	608.22	607.73	.0164	0.49	5.8	0.52	-	0° 30'	3-5	8.25	1.90	2.4	4.56	2.56	11.27	
										610.89															
FES 245	CI 244	132'	42"	609.12	601.48	2.0	-	611.55	-	610.89	609.49	.0106	1.40	10.8	1.81	-	1° 0'	-	-	43.20	2.4	103.68	103.68	142.25	
CI 244	CI 249	34'	48"	601.48	600.30	2.0	611.55	611.55	2.1	608.76	608.58	.0053	0.18	8.3	1.07	-	0° 30'	1.0	2.29	0.43	2.4	1.03	104.71	203.05	
										< Full	609.55														
CI 247	CI 246	34'	15"	608.23	607.62	2.0	612.49	612.4	3.4	608.94	608.13	.0003	0.012	1.0	0.16	-	0° 45'	2.0	1.93	0.50	2.4	1.20	1.20	3.15	
CI 246	Tee 246-A	48'	15"	607.62	602.82	10.0	612.92	-	3.3	608.85	608.78	.0014	0.07	1.6	0.02	0.05	0° 45'	2.0	1.93	0.50	2.4	1.20	2.40	20.46	
										611.33															
AI 248	Tee 248-A	30'	12"	607.66	604.66	10.0	614.5	-	3.2	610.83	610.14	.0229	0.69	6.8	0.72	-	0° 30'	3-5	8.25	2.25	2.4	5.40	5.40	11.27	
										602.38															
AI 260	CI 259	114'	12"	600.69	598.41	2.0	606.1	606.38	3.7	602.27	601.74	.0046	0.53	3.1	0.15	-	0° 30'	2-5	5.5	1.01	2.4	2.42	2.42	5.04	
CI 259	MH 225	214'	18"	598.41	594.13	2.0	606.38	611.3	4.7	601.28	599.87	.0066	1.41	4.8	0.36	0.21	0° 30'	Low	4.0	1.34	2.4	3.22	2.88	8.52	14.86
										601.92															
CI 261	CI 259	44'	15"	600.17	598.41	4.0	606.38	606.38	4.5	601.85	601.74	.0023	0.11	2.6	0.05	-	0° 30'	Low	4.0	1.34	2.4	3.22	3.22	12.94	

# HYDRAULIC DATA

PROJECT: OSAGE MEADOWS PLAT 3

SHEET 3 OF 3

Date \_\_\_\_\_ Checked By \_\_\_\_\_ Computed By \_\_\_\_\_

LINE	Length	Size	Upper Flow Line	Lower Flow Line	F.L. Grade	Upper St. Elev.	Lower St. Elev.	Depth To Hy. Gr. Upper End	Upper Hy. Elev.	Lower Hy. Elev.	Hy. Grade	Frict. Head	Veloc Ft./Sec	V <sup>2</sup> /2g	V <sup>2</sup> /2g	Turn Loss	Street Grade @ Inlet	Inlet Capacity Cu. Ft./Sec	Area Acres	P.I.	Quantity		82-120	
																					Upper Station	Lower Station	Cu. Ft./Sec	T. Q.
									610.60															
EP 258	A1 257	30'	36"	605.24	604.94	1.0	-	617.1	-	610.60	610.37	.0075	0.23	8.2	1.05	-	0°	-	-	24.11	2.4	57.86	57.86	66.66
A1 257	A1 256	21'	36"	604.94	604.73	1.0	617.1	611.7	6.7	610.24	610.06	.0085	0.18	8.7	1.18	0.13	0°	2-5	5.50	1.53	2.4	3.67	61.53	66.66
A1 256	C1 255	101'	36"	604.73	603.72	1.0	611.7	611.4	1.6	609.92	608.96	.0095	0.96	9.2	1.32	0.14	0°	2-5	5.50	1.40	2.4	3.36	64.89	66.66
C1 255	C1 254	34'	42"	603.72	603.38	1.0	611.4	611.4	2.4	608.96	608.81	.0044	0.15	7.0	0.76	-	0°	Low	4.0	0.90	2.4	2.16	67.05	100.60
C1 254	A1 253	132'	42"	603.38	602.06	1.0	611.4	609.5	2.6	608.19	607.57	.0047	0.62	7.2	0.81	0.05	0° 87°	Low	4.0	0.79	2.4	1.90	68.95	100.60
A1 253	A1 252	76'	54"	602.06	601.15	1.2	609.5	607.7	1.9	606.82	606.52	.0039	0.30	7.7	0.92	0.11	0° 90°	2-5	5.50	20.79	2.4	49.89	122.75	215.39
A1 252	TCO 251	140'	54"	601.15	599.47	1.2	607.7	-	1.2	606.34	605.76	.0041	0.58	8.4	1.10	0.18	0°	2-5	5.50	1.55	2.4	3.72	126.47	215.39
TCO 251	A1 250	122'	54"	599.47	598.00	1.2	-	607.3	-	605.02	604.48	.0044	0.54	8.2	1.05	-	0° 90°	-	-	1.81	2.4	4.34	130.81	215.39
A1 250	A1 249	70'	54"	598.00	596.99	1.44	607.3	606.8	2.8	604.41	604.08	.0047	0.33	8.5	1.12	0.07	0°	2-5	5.50	1.80	2.4	4.32	135.13	232.70
A1 249	MH 226	230'	66"	596.99	592.85	1.8	606.8	612.0	2.7	603.72	603.33	.0017	0.39	5.8	0.52	-	0° 90°	2-5	5.50	1.22	2.4	2.93	138.06	450.30
										605.92														
C1 263	C1 262	34'	15"	602.43	601.51	2.7	607.2	607.2	1.3	605.89	605.85	.0011	0.04	1.7	0.45	-	0° 63°	Low	4.0	0.88	2.4	2.11	2.11	10.62
C1 262	TCO 261	20'	18"	601.51	600.97	2.7	607.2	-	1.3	605.79	605.76	.0017	0.03	2.5	0.10	-	0° 63°	Low	4.0	0.93	2.4	2.23	4.34	17.27
										2FU11 622.97														
FES 268	A1 267	45'	27"	620.72	618.92	4.0	-	624.0	-	621.83	621.17	.0146	0.66	7.4	1.37	-	0° 35°	-	-	15.60	2.4	37.44	37.44	61.92
A1 267	C1 266	120'	30"	618.92	616.52	2.0	624.0	626.2	2.8	620.93	619.69	.0103	1.24	8.5	1.12	-	0°	3-5	8.25	1.76	2.4	4.22	61.66	57.97
C1 266	C1 265	34'	30"	616.52	615.84	2.0	626.2	626.2	6.5	618.72	618.34	.0113	0.38	6.9	1.23	0.11	0° 90°	2.0	1.93	0.80	2.4	1.92	43.56	57.97
C1 265	C1 264	280'	30"	615.84	610.80	1.8	626.2	621.1	7.9	616.88	613.68	.0114	3.20	8.9	1.23	-	0° 90°	2.0	1.93	0.12	2.4	0.29	43.87	55.04
C1 264	A1 253	387'	30"	610.57	602.06	2.2	621.1	609.5	7.4	613.29	607.57	.0148	5.72	10.2	1.62	0.39	0°	Low	4.0	2.28	2.4	5.97	49.89	60.82
										2FU11 619.16														
A1 270	C1 269	95'	12"	618.16	614.36	4.0	622.3	621.1	3.1	616.72	615.36	.0143	1.36	5.4	0.45	-	0°	4-5	11.0	1.78	2.4	4.27	4.27	7.13
C1 269	C1 264	34'	15"	614.36	613.00	4.0	621.1	621.1	5.7	614.24	614.00	.0071	0.24	4.5	3.15	0.31	0°	Low	4.0	0.50	2.4	1.20	5.47	12.94