Appendix B
Delivery Data

BLOCK 9 - STAGE 2 - DELIVERY TABLE

Lateral Name	Lateral Station	Delivery Name	Field Number	Center Pivot Radius	Center Pivot Head Loss	Required Sprinkler Pressure	Acres Served	Elevation @ Delivery	Field High Point Elevation	Q Plant Design	Q Delivery Design	Piping from Delivery to Center Pivot: Estimated Pipe Length	Recommended Pipe Size	Velocity in Pipe	Head Loss in Pipe	Delivery Water Surface Elevation	Required Downstream Pressure	Delivery Angle @ Riser	X Distance (To Riser)	Remarks	Q Lateral Design
Pumping Plant B0.1R		Pumped Totals					1970			35.17											
		Gravity Totals					2280			40.71											
B0.1L	25+10	B0.1L-0.48L	9-31B	820	5	30	51	6174.2	6212	0.91	0.97	1180	6	4.90	19	6305	57	0°	4		21.43
			9-31A	950	10	30	68		6190	1.21	1.29	1280	6	6.60	35	6304	56				
	37+50	B0.1L-0.71R	9-24B	1350	14	30	69	6160.0	6188	1.23	1.31	330	6	6.70	9	6280	52	0°	4		19.31
	47+80	Sublateral B0.1L-0.9L					122			2.17											18.08
	63+50	B0.1L-1.20R	9-24A	1300	12	30	64	6141.7	6150	1.14	1.21	150	6	6.20	4	6235	40	0°	4		15.91
	68+50	B0.1L-1.30L	9-23B	1200	28	30	107	6145.8	6179	1.91	2.03	1720	8	5.80	27	6303	68	0°	4		14.77
			9-23A	1200	8	30	55		6154	0.98	1.04	1780	6	5.30	32	6263	51				
	91+70	Sublateral B0.1L-1.7R					112			2.00											11.88
	94+60	B0.1L-1.79L	9-13A	1120	21	30	94	6116.4	6132	1.68	1.78	1180	8	5.10	14	6236	52	0°	4		9.88
	99+00	B0.1L-1.88R	9-3B	800	4	30	48	6114.5	6120	0.86	0.91	1000	6	4.60	14	6207	40	0°	4		8.20
			9-13B	800	4	30	48		6132	0.86	0.91	990	6	4.60	14	6219	45				
	126+00	B0.1L-2.39R	9-4	1200	28	30	107	6083.0	6098	1.91	2.03	1260	8	5.80	19	6214	57	0°	4		6.48
	132+00	B0.1L-2.50L	9-3A	1120	21	30	94	6076.2	6110	1.68	1.78	1610	8	5.10	20	6220	62	0°	4		4.57
			9-1	830	5	30	52		6084	0.93	0.98	1950	6	5.00	32	6190	49				
	137+35	B0.1L-2.60A	9-2A	960	10	30	69	6071.0	6072	1.23	1.31	1060	6	6.70	30	6181	48	0°	4		2.09
			9-2B	730	3	30	41		6080	0.73	0.78	2260	6	4.00	24	6176	46				
	Lateral Totals						1201			21.43											
B0.1L-0.9L	28+80	B0.1L-0.9L-0.55A	9-30B	1300	12	30	64	6179.0	6201	1.14	1.21	1520	6	6.20	37	6319	61	0°	4'	No upstream butterfly valve.	2.31
			9-30A	1225	9	30	58		6200	1.03	1.10	1430	6	5.60	29	6307	55			Sectionalizing valve at 0+00.	
	Sublateral Totals						122			2.17											
B0.1L-1.7R	20+00	B0.1L-1.7R-0.38A	9-14A	1300	13	30	69	6121.6	6138	1.23	1.31	1430	6	6.70	40	6260	60	0°	4'	No upstream butterfly valve.	2.12
			9-14B	750	3	30	43		6148	0.77	0.81	960	6	4.10	11	6231	47			Sectionalizing valve at 0+00.	
	Sublateral Totals						112			2.00											
B0.1R	10+50	B0.1R-0.20L	9-27	900	7	30	61	6187.6	6205	1.09	1.16	980	6	5.90	22	6303	50	0°	4		13.74
	37+00	Sublateral B0.1R-0.7R					173			3.08											12.65
	65+20	B0.1R-1.23L	9-18	1060	16	30	84	6173.0	6190	1.50	1.59	1350	8	4.60	13	6288	50	0°	4		9.57
			9-8B	800	4	30	48		6170	0.86	0.91	980	6	4.60	14	6257	36				
	86+40	Sublateral B0.1R-1.6R					259			4.63											7.21
	88+00	B0.1R-1.67L	9-8A	800	4	30	48	6130.8	6138	0.86	0.91	1000	6	4.60	14	6225	41	0°	4		2.73
	110+50	B0.1R-2.09L	9-5B	800	4	30	48	6116.9	6126	0.86	0.91	910	6	4.60	13	6212	41	90° Lt.	15		1.82
			9-5A	800	4	30	48		6128	0.86	0.91	920	6	4.60	13	6214	42				
	Lateral Totals						769			13.74											
Sublateral B0.1R-0.7R	11+10	B0.1R-0.7R-0.21A	9-16	1350	14	30	69	6084.9	6116	1.23	1.31	830	6	6.70	23	6222	59	0°	4		3.28
	19+90	B0.1R-0.7R-0.38A	9-25	1180	26	30	104	6062.8	6135	1.85	1.97	1290	8	5.60	19	6249	81	0°	4		1.97
	Sublateral Totals						173			3.08											
Sublateral B0.1R-1.6R	14+00	B0.1R-1.6R-0.27R	9-10	750	3	30	43	6132.0	6143	0.77	0.81	1010	6	4.10	12	6227	41	0°	4		4.63
			9-15	900	7	30	61		6156	1.09	1.16	990	6	5.90	22	6254	53				
	26+00	B0.1R-1.6R-0.49A	9-9	1120	21	30	94	6146.1	6146	1.68	1.78	1250	8	5.10	15	6251	45	0°	4		2.94
			9-6	900	7	30	61		6120	1.09	1.16	1230	6	5.90	27	6223	33				
	Sublateral Totals						259			4.63											

BLOCK 9 - STAGE 2 - DELIVERY TABLE

Lateral Name	Lateral Station	Delivery Name	Field Number	Center Pivot Radius	Center Pivot Head Loss	Required Sprinkler Pressure	Acres Served	Elevation @ Delivery	Field High Point Elevation	Q Plant Design	Q Delivery Design	Piping from Delivery to Center Pivot: Estimated Pipe Length	Recommended Pipe Size	Velocity in Pipe	Head Loss in Pipe	Delivery Water Surface Elevation	Required Downstream Pressure	Delivery Angle @ Riser	X Distance (To Riser)	Remarks	Q Lateral Design
B0.1G	49+20	Sublateral B0.1G-0.9R					1831			32.68											40.71
	49+70	B0.1G-0.94L	9-26A	800	4	30	48	6050.3	6068	0.86	0.91	850	6	4.60	12	6153	45	90° Rt.	15		8.03
	76+10	B0.1G-1.44R	9-17	1300	12	30	64	6035.6	6048	1.14	1.21	1360	6	6.20	33	6162	55	0°	4		7.17
	121+30	B0.1G-2.30L	9-11B	800	4	30	48	5968.0	5998	0.86	0.91	1000	6	4.60	14	6085	51	0°	4		6.03
	121+30	B0.1G-2.30R	9-11D	870	6	30	57	5968.3	5981	1.02	1.08	980	6	5.50	19	6075	46	0°	4		5.17
			9-11C	750	3	30	43		6012	0.77	0.81	850	6	4.10	10	6094	54				
	140+20	B0.1G-2.66R	9-12A	1175	26	30	103	5940.8	5984	1.84	1.95	1500	8	5.60	22	6101	69	90° Lt.	15		3.57
			9-12B	750	3	30	43		5963	0.77	0.81	820	6	4.10	9	6044	45				
	158+00	B0.1G-2.99R	9-12C	750	3	30	43	5921.8	5958	0.77	0.81	850	6	4.10	10	6040	51	0°	4		0.81
	Lateral Totals						2280			40.71											
Sublateral B0.1G-0.9R	23+00	B0.1G-0.9R-0.44L	9-21A	1230	32	30	113	6004.8	6034	2.01	2.14	1600	8	6.10	27	6162	68	0°	4		32.68
			9-29A	820	5	30	51		6004	0.91	0.97	1490	6	4.90	24	6102	42				
	23+00	B0.1G-0.9R-0.44R	9-33	1120	21	30	94	6005.9	6044	1.68	1.78	1430	8	5.10	17	6151	63	0°	4		29.76
			9-26B	850	6	30	55		6047	0.98	1.04	1490	6	5.30	27	6149	62				
	29+00	Sublateral B0.1G-0.9R-0.5R					838			14.96											27.10
	47+80	B0.1G-0.9R-0.91A	9-28B	1200	28	30	107	5992.0	5988	1.91	2.03	2290	8	5.80	35	6120	55	0°	4		12.14
			9-29B	948	10	30	68		6018	1.21	1.29	1070	6	6.60	29	6126	58				
	69+90	B0.1G-0.9R-1.32R	9-28A	970	11	30	71	5964.7	5990	1.27	1.34	1230	6	6.80	36	6106	61	90° Rt.	15		9.02
			9-21B	1350	14	30	69		5998	1.23	1.31	1480	6	6.70	41	6122	68				
	78+00	B0.1G-0.9R-1.48R	9-22	1200	28	30	107	5965.6	5972	1.91	2.03	1300	8	5.80	20	6089	53	0°	4		6.52
	88+50	B0.1G-0.9R-1.67L	9-20A	900	7	30	61	5974.6	5994	1.09	1.16	1200	6	5.90	27	6097	53	0°	4		4.61
			9-20B	790	4	30	47		5975	0.84	0.89	960	6	4.50	13	6061	37				
	106+10	B0.1G-0.9R-2.01R	9-19C	1040	4	30	41	5956.7	5950	0.73	0.78	1450	6	4.00	15	6038	35	0°	4		2.85
	116+80	B0.1G-0.9R-2.21A	9-19A	800	4	30	48	5949.3	5960	0.86	0.91	940	6	4.60	13	6046	42	0°	4		2.07
			9-19B	900	7	30	61		5950	1.09	1.16	1000	6	5.90	22	6048	43				
	Sublateral Totals						1831			32.68											
Sublateral B0.1G-0.9R-0.5R	27+40	B0.1G-0.9R-0.5R-0.52L	9-43	1300	41	30	126	6025.9	6037	2.25	2.39	1480	10	4.40	10	6157	57	0°	4		14.96
	28+90	B0.1G-0.9R-0.5R-0.55R	9-32B	780	4	30	46	6023.5	6064	0.82	0.87	2470	6	4.40	32	6169	63	0°	4	DWS can be made 6157 if req'd.	11.89
			9-42B	940	9	30	66		6052	1.18	1.25	1050	6	6.40	27	6157	58				
	73+40	B0.1G-0.9R-0.5R-1.39R	9-57A	850	6	30	55	6012.7	6020	0.98	1.04	950	6	5.30	17	6112	43	0°	4		10.71
			9-56	1175	26	30	103		6049	1.84	1.95	1290	8	5.60	19	6163	65				
	73+80	Sublateral B0.1G-0.9R-0.5R-1.4R					150			2.68											7.89
	88+40	B0.1G-0.9R-0.5R-1.67R	9-44	1020	13	30	78	5991.9	6007	1.39	1.48	1780	8	4.20	15	6104	49	90° Lt.	15		5.21
			9-57B	900	7	30	61		5993	1.09	1.16	1000	6	5.90	22	6091	43				
	108+50	B0.1G-0.9R-0.5R-2.05A	9-45	1200	28	30	107	5962.0	5984	1.91	2.03	1370	8	5.80	21	6102	61	0°	4		2.90
			9-58	780	4	30	46		5980	0.82	0.87	1010	6	4.40	13	6066	45				
	Sublateral Totals						838			14.96											
Sublateral B0.1G-0.9R-0.5R-1.4R	32+00	B0.1G-0.9R-0.5R-1.4R-0.61A	9-72	1000	12	30	75	5994.5	6006	1.34	1.42	1140	8	4.10	9	6096	44	0°	3200	No upstream butterfly valve. Sectionalizing valve at 0+00.	2.84
			9-71	1000	12	30	75		6026	1.34	1.42	1120	8	4.10	9	6116	53				
	Sublateral Totals						150			2.68											

BLOCK 9 - STAGE 2 - DELIVERY TABLE

Lateral Name	Lateral Station	Delivery Name	Field Number	Center Pivot Radius	Center Pivot Head Loss	Required Sprinkler Pressure	Acres Served	Elevation @ Delivery	Field High Point Elevation	Q Plant Design	Q Delivery Design	Piping from Delivery to Center Pivot: Estimated Pipe Length	Recommended Pipe Size	Velocity in Pipe	Head Loss in Pipe	Delivery Water Surface Elevation	Required Downstream Pressure	Delivery Angle @ Riser	X Distance (To Riser)	Remarks	Q Lateral Design
Pumping Plant B0.9R		Pumped Totals					1089			19.42											
B0.9R	6+50	B0.9R-0.12L	9-40	700	2	30	37	6167.5	6190	0.66	0.70	2920	6	3.60	26	6287	52	0°	4		19.42
			9-59A	1230	32	30	113		6184	2.01	2.14	1500	8	6.10	26	6311	62				
	23+50	Sublateral B0.9L-0.4L					294			5.24											16.75
	27+00	B0.9R-0.51L	9-55B	1060	16	30	84	6123.4	6122	1.50	1.59	1180	6	8.10	47	6254	57	90° Rt.	15		11.51
			9-69A	1040	15	30	81		6192	1.44	1.53	1120	6	7.80	42	6318	84				
	37+50	B0.9R-0.71A	9-70B	800	4	30	48	6117.1	6118	0.86	0.91	2130	6	4.60	30	6221	45	0°	4		8.57
			9-70A	900	7	30	61		6166	1.09	1.16	1040	6	5.90	23	6265	64				
	61+00	B0.9R-1.16R	9-75	800	4	30	48	6156.2	6176	0.86	0.91	1030	6	4.60	15	6264	47	0°	4		6.62
			9-69B	700	2	30	37		6194	0.66	0.70	1050	6	3.60	9	6274	51				
	81+00	B0.9R-1.53A	9-76	1350	13	30	65	6147.7	6139	1.16	1.23	1910	6	6.30	47	6268	52	0°	4		5.42
			9-74	1130	21	30	95		6204	1.69	1.80	1660	8	5.20	21	6315	72				
	37+50	B0.9R-0.71A	9-83	1300	41	30	126	6177.9	6206	2.25	2.39	1460	8	6.80	31	6347	73	0°	4		2.39
	Lateral Totals						1089			19.42											
B0.9L-0.4L	28+00	B0.9L-0.4L-0.53R	9-41	1275	37	30	121	6077.3	6066	2.16	2.29	3580	8	6.60	69	6241	71	0°	4		5.56
	31+00	B0.9L-0.4L-0.59A	9-32A	1100	19	30	90	6073.7	6108	1.60	1.70	1200	6	8.70	54	6250	76	0°	4'		3.27
			9-42A	1050	15	30	83		6080	1.48	1.57	1210	6	8.00	47	6211	58				
	Sublateral Totals						294			5.24											