

APPENDIX A

CONSTRUCTION SPREADSHEETS

ESTIMATED PERSONNEL

Civil Work

MANDAYS

				Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Mobilize Construction Yards, Etc.				120																							
2a	RW Line from LA River to EPWRP-1 Tank					200	200	200	200	200	200	200	200	200	200													
2b	PW Line from Park Dr. to EPWRP-1 Tank															200	200	200	200	200	200	200						
3a	Construct RW Pump Station												140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	
3b	Construct PW Pump Station																140	140	140	140	140	140	140	140	140	140	140	
4a	Construct RW Tank (8-mo grading/foundation, 4-mo tank install, 3-mo mech/elec)									240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	
4b	Construct PW Tank																		120	120	120							
5	Demobilize																										120	
Office and Supervision		WD/Month	20		60	60	60	60	60	100	100	100	100	140	140	140	160	180	180	180	180	160	140	140	60	60		
				TOTAL MD/Month	180	260	260	260	260	540	540	540	680	720	720	720	880	900	1,020	1,020	1,020	880	660	660	200	200	120	0
				Avg. Field Worker MDs	6	10	10	10	10	22	22	22	29	29	29	29	36	36	42	42	42	36	26	26	7	7	6	0
				Office and Supervision	3	3	3	3	3	5	5	5	5	7	7	7	8	9	9	9	9	8	7	7	3	3	3	0
				Avg. Daily Total Personnel	9	13	13	13	13	27	27	27	34	36	36	36	44	45	51	51	51	44	33	33	10	10	9	0

General Construction Schedule				Field Worker MDs	Total Avg MDs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Mobilize Construction Yards, Etc.			6	9																								
2a	RW Line from LA River to EPWRP-1 Tank			10	13																								
2b	PW Line from Park Dr. to EPWRP-1 Tank			10	13																								
3a	Construct RW Pump Station			7	9																								
3b	Construct PW Pump Station			7	9																								
4a	Construct RW Tank (8-mo grading/foundation, 4-mo tank install, 3-mo mech/elec)			12	14																								
4b	Construct PW Tank			6	8																								
5	Demobilize			6	9																								

PROJECT: ELYSIAN PARK WATER RECYCLING PROJECT PHASE II

Work Schedule				
Total footage of pipe (LF)	Pipe lay rate (LF/day)	Total days required to install pipe	Working days per year	Number of years required to install total pipe
52,800	90	587	251	2.3

Excavation of Soils						
Total soil excavated incl. 20% expansion (ft ³) ¹	Soil hauled per day (ft ³ /day)	Soil hauled per day (yd ³ /day)	Maximum volume allowed in a 10-yd. Dump Truck (yd ³)	Number of loads (loads per day)	Number of 10 yd ³ Dump Trucks used	Round trips per truck
792,000	1,350	50.0	8.5	6	3	2

Dump Site Locations
NU-WAY 1270 Arrow HighWay Irwindale Ca. I -10 E 19.0 miles
Vulcan 11520 Sheldon St. Sun Valley Ca. I - 5 N (4.7 miles - 22.3 miles)

Construction Crew		Crew Equipment		CNG
1-Supervisor	2-Operator	2-Pick-up Trk	1-Truck Mounted Crane	DIESEL
1-Sr.W.U.W.	3- H.D.T.O.	1-Gang Trk	1-Back Hoe W/ Carrier	GAS
2-W.U.W.	1-Field Engineer	1-5 yd ³ Dump Trk	1-Pipe Trk	
2-M.C.H		3-10 yd ³ . Dump Trk		

Trips per vehicle

Pick-up truck - varies
 5 yd³ dump truck - varies
 Gang Trk - 1 trip to and from job
 Pipe Truck - 1 trip to & from job
 Backhoe w/carrier - 1 trip to and from job
 Truck mounted crane - 1 trip to and from job
 10 yard³ dump trucks - see round trips above

Best Management Practices

Geotextile Fabrics / sandbag on all storm drain catch basins opening
 All spoils being transported covered with tarp
 Comply with City approved traffic control plans

¹ assumed a 2.5' wide x 5' deep trench