

APPENDIX E

**TEMPORARY EXTRA WORKSPACES AND TEMPORARY
AND PERMANENT ACCESS ROADS ASSOCIATED WITH
THE PHOENIX EXPANSION PROJECT**

TABLE E-1

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use			
New Mexico									
San Juan Lateral Loop A									
0.00	200	x	500	2.30	Staging area	Developed			
0.00	90	x	100	0.21	Launcher installation	Developed			
0.02	50	x	415	0.48	Foreign pipeline on west side	Developed			
0.09	50	x	150	0.17	Foreign pipeline crossing	Developed			
0.19	50	x	150	0.17	Foreign pipelines on west side	Developed			
0.22	50	x	150	0.17	Foreign pipelines on west side	Developed			
0.31	50	x	1,035	1.19	Foreign pipelines on west side	Developed			
0.32	50	x	780	0.90	Road crossing	Developed			
0.56	50	x	150	0.17	Foreign pipelines on west side	Agricultural			
0.60	50	x	150	0.17	Foreign pipelines on west side	Agricultural			
0.94	50	x	327	0.38	Foreign pipelines on west side	Developed			
1.02	50	x	150	0.17	Highway 64 crossing	Developed			
1.21	100	x	75	0.17	Highway 64 crossing	Rangeland			
1.22	25	x	150	0.09	Sharp directional change	Rangeland			
1.23	75	x	200	0.34	Horizontal directional drill (HDD) location for San Juan River crossing	Rangeland			
1.23	25	x	200	0.11	HDD location for San Juan River crossing	Rangeland			
1.34	100	x	900	2.07	Possible for conventional open cut crossing of San Juan River	Rangeland			
1.59	75	x	200	0.34	HDD location for San Juan River crossing	Rangeland			
1.59	25	x	200	0.11	HDD location for San Juan River crossing	Rangeland			
1.93	300	x	75	0.52	Pipe pull-back section	Agricultural			
2.01	50	x	150	0.17	Road crossing	Agricultural			
2.04	75	x	285	0.49	Road crossing and sharp upslope	Developed			
2.09	200	x	200	0.92	Truck turn around	Developed			
2.23	200	x	200	0.92	Truck turn around	Rangeland			
2.26	200	x	50	0.23	Bore under pipeline	Rangeland			
2.66	50	x	200	0.23	Wash crossing	Rangeland			
2.73	50	x	100	0.11	Wash crossing	Rangeland			
2.91	50	x	100	0.11	Drain crossing	Rangeland			
3.00	50	x	100	0.11	Dirt road crossing	Rangeland			
3.22	50	x	100	0.11	Wash crossing	Rangeland			
3.26	50	x	100	0.11	Wash crossing	Rangeland			
3.36	50	x	150	0.17	Access road crossing	Rangeland			
3.40	50	x	150	0.17	Access road crossing	Rangeland			
3.58	50	x	100	0.11	Ditch crossing	Rangeland			
3.80	50	x	150	0.17	Access road crossing	Rangeland			
3.84	50	x	150	0.17	Access road crossing	Rangeland			
3.94	50	x	100	0.11	Drain crossing	Rangeland			
3.98	50	x	100	0.11	Drain crossing	Rangeland			
4.03	50	x	100	0.11	Drain crossing	Rangeland			
4.09	50	x	250	0.29	Drain and Country Road 4980 crossing	Rangeland			
4.14	50	x	250	0.29	Country Road 4980 crossing	Rangeland			
4.16	50	x	150	0.17	Dirt road crossing	Rangeland			
4.46	50	x	100	0.11	Ditch crossing	Rangeland			
4.49	50	x	100	0.11	Ditch crossing	Rangeland			
4.52	50	x	100	0.11	Ditch crossing	Rangeland			
4.55	50	x	100	0.11	Ditch crossing	Rangeland			

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
4.58	50	x	100	0.11	Ditch crossing	Rangeland
4.62	50	x	100	0.11	Ditch crossing	Rangeland
4.65	50	x	200	0.23	State Highway 44 bore	Rangeland
4.70	50	x	200	0.23	State Highway 44 bore	Rangeland
4.71	400	x	220	0.87	Drain crossing	Rangeland
4.75	50	x	100	0.11	Ditch crossing	Rangeland
4.76	50	x	300	0.34	Ditch crossing	Rangeland
5.03	50	x	100	0.11	Drain crossing	Rangeland
5.15	50	x	100	0.11	Access road crossing	Rangeland
5.18	50	x	100	0.11	Access road crossing	Rangeland
5.25	1,300	x	75	2.24	Tree storage, seed bank preparation, Kutz Canyon Wash	Rangeland
5.49	50	x	150	0.17	Road 5500 bore	Rangeland
5.53	50	x	150	0.17	Road 5500 bore	Rangeland
5.69	50	x	100	0.11	Ell Bend (45 degrees)	Rangeland
5.73	50	x	100	0.11	Ell Bend (45 degrees)	Rangeland
5.76	50	x	150	0.17	Access road (SJ-9) crossing	Rangeland
5.81	50	x	350	0.40	Access road (SJ-9) and creek crossing	Rangeland
5.91	50	x	3,395	3.90	Side slope	Rangeland
6.42	50	x	3,600	4.13	Side slope	Rangeland
7.45	50	x	2,615	3.00	Side slope	Rangeland
7.56	50	x	450	0.52	Horn Canyon	Rangeland
7.60	50	x	150	0.17	Access road (SJ - 10) crossing	Rangeland
7.80	50	x	100	0.11	Access road (SJ - 10) crossing	Rangeland
8.73	75	x	3,400	5.85	Navajo Canal #1 crossing	Rangeland
8.77	75	x	400	0.69	Navajo Canal #1 crossing	Rangeland
8.90	300	x	300	2.07	Staging Area	Rangeland
San Juan Lateral Loop A Subtotal				42.2		
San Juan Lateral Loop B						
71.86	488	x	490	5.49	Staging Area north side of Navajo Highway 9	Rangeland
71.89	425	x	360	3.51	Staging Area north side of Navajo Highway 9	Rangeland
72.00	50	x	150	0.17	Ditch crossing	Rangeland
72.04	50	x	150	0.17	Ditch crossing	Rangeland
72.10	50	x	150	0.17	Wash crossing	Rangeland
73.01	50	x	575	0.66	Side slope	Rangeland
73.18	50	x	150	0.17	Side slope	Rangeland
73.21	50	x	630	0.72	Side slope	Rangeland
73.53	50	x	4,140	4.75	Side slope and work and work over existing pipeline	Rangeland
73.96	50	x	2,490	2.86	Side slope	Rangeland
74.01	200	x	200	0.92	Truck turn around	Rangeland
74.82	50	x	100	0.11	Ditch crossing	Rangeland
75.32	50	x	100	0.11	Access road (NC - 2) crossing	Rangeland
75.92	50	x	100	0.11	NSP 7409 crossing	Rangeland
76.59	50	x	100	0.11	Ditch crossing	Rangeland
77.03	50	x	100	0.11	Ditch crossing	Rangeland
79.24	200	x	200	0.92	Truck turn around	Rangeland
79.35	50	x	200	0.23	Creek crossing	Rangeland
79.62	50	x	150	0.17	Creek crossing	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
80.48	50	x	1,100	1.26	Creek crossing, side slope (north side)	Rangeland
80.45	50	x	100	0.11	Wash crossing	Rangeland
80.52	50	x	675	0.77	Wash crossing	Rangeland
80.60	50	x	200	0.23	Wash crossing	Rangeland
80.68	50	x	200	0.23	Wash crossing	Rangeland
80.71	50	x	200	0.23	Wash crossing	Rangeland
80.86	50	x	200	0.23	Wash crossing	Rangeland
80.91	50	x	100	0.11	Wash crossing	Rangeland
81.05	50	x	200	0.23	Wash crossing	Rangeland
81.33	50	x	200	0.23	Wash crossing	Rangeland
81.43	50	x	100	0.11	Wash crossing	Rangeland
81.53	50	x	200	0.23	Wash crossing	Rangeland
82.44	50	x	250	0.29	Access road crossing	Rangeland
82.74	50	x	150	0.17	Access road (MC-4) crossing	Rangeland
82.78	50	x	150	0.17	Access road (MC-4) crossing	Rangeland
83.09	50	x	100	0.11	Ditch crossing	Rangeland
83.20	50	X	100	0.11	Ditch crossing	Rangeland
83.32	50	x	100	0.11	Ditch crossing	Rangeland
83.37	50	x	200	0.23	Ditch crossing	Rangeland
83.35	50	x	1,140	1.31	Side slope	Rangeland
83.32	50	x	450	0.52	Foreign pipeline crossing	Rangeland
83.50	50	x	385	0.44	Foreign pipeline crossing	Rangeland
83.59	200	x	200	0.92	Truck turn around	Rangeland
83.69	50	x	1,370	1.57	Side slope	Rangeland
83.95	50	x	200	0.23	Side slope	Rangeland
84.02	50	x	400	0.46	Ditch and access road crossings	Rangeland
84.10	50	x	300	0.34	Ditch crossing	Rangeland
84.17	50	x	300	0.34	Ditch and access road crossings	Rangeland
84.19	50	x	300	0.34	Ditch crossing	Rangeland
84.50	50	x	600	0.69	Side slope	Rangeland
84.61	50	x	1,485	1.70	Side slope	Rangeland
85.11	50	x	200	0.23	Foreign pipeline crossing	Rangeland
85.53	50	x	200	0.23	Ditch crossing	Rangeland
85.63	50	x	200	0.23	Ditch crossing	Rangeland
86.34	50	x	450	0.52	Wash crossing	Rangeland
86.80	50	x	600	0.69	Wash crossing	Rangeland
87.36	50	x	300	0.34	Wash crossing	Rangeland
87.45	50	x	150	0.17	Road crossing	Rangeland
87.51	100	x	200	0.46	Road crossing	Rangeland
87.55	500	x	500	5.74	Staging area	Rangeland
San Juan Lateral Loop B Subtotal				44.1		
Arizona						
Phoenix Lateral						
0.00	500	x	500	5.74	Staging area	Rangeland
0.00	350	x	450	3.62	Lay down area	Rangeland
0.08	40	x	3,890	3.57	Tree storage, seed bank segregation	Rangeland
0.81	25	x	145	0.08	Tree storage	Rangeland
0.84	50	x	785	0.90	Rock and tree storage	Rangeland
1.07	50	x	160	0.18	Rock and tree storage	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
1.10	25	x	150	0.09	Rock storage	Rangeland
1.16	15	x	255	0.09	Seed bank segregation	Rangeland
1.20	215	x	200	0.99	Truck turn around, seed bank segregation	Rangeland
1.24	15	x	2,665	0.92	Seed bank segregation	Rangeland
1.78	25	x	120	0.07	Rock storage	Rangeland
1.80	15	x	445	0.15	Seed bank segregation	Rangeland
1.88	40	x	860	0.79	Tree storage, seed bank segregation	Rangeland
2.04	25	x	115	0.07	Tree storage	Rangeland
2.06	50	x	235	0.27	Tree storage, rock storage	Rangeland
2.08	40	x	2,325	2.13	Tree storage, seed bank segregation	Rangeland
2.52	15	x	25	0.01	Seed bank segregation	Rangeland
2.57	25	x	370	0.21	Rock storage	Rangeland
2.70	25	x	135	0.08	Rock storage	Rangeland
2.77	15	x	5,000	1.72	Seed bank segregation	Rangeland
3.76	50	x	255	0.29	Rock and tree storage	Rangeland
3.81	25	x	2,545	1.46	Tree storage	Rangeland
4.29	50	x	200	0.23	Rock storage crop, side slope	Rangeland
4.55	15	x	1,190	0.41	Seed bank segregation	Rangeland
4.78	215	x	200	0.99	Seed bank segregation, truck turn around	Rangeland
4.82	15	x	4,025	1.39	Seed bank segregation	Rangeland
5.65	25	x	235	0.13	Rock storage	Rangeland
5.77	25	x	690	0.40	Rock storage	Rangeland
6.24	25	x	450	0.26	Rock storage	Rangeland
6.34	15	x	420	0.14	Seed bank segregation	Rangeland
6.42	40	x	1,600	1.47	Seed bank segregation, tree storage	Rangeland
6.72	65	x	685	1.02	Tree storage, seed bank segregation, rock storage	Rangeland
6.85	50	x	265	0.30	Tree storage, side slope	Rangeland
6.90	75	x	130	0.22	Rock storage, side slope	Rangeland
6.92	50	x	100	0.11	Side slope	Rangeland
6.94	75	x	220	0.38	Rock and tree storage, side slope	Rangeland
7.06	50	x	345	0.40	Tree storage, rock storage	Rangeland
7.13	25	x	70	0.04	Tree storage	Rangeland
7.14	40	x	1,390	1.28	Tree storage, seed bank segregation	Rangeland
7.40	240	x	200	1.10	Seed bank segregation, tree storage, truck turn around	Rangeland
7.44	40	x	230	0.21	Tree storage, seed bank segregation	Rangeland
7.48	25	x	340	0.20	Tree storage	Rangeland
7.54	50	x	185	0.21	Rock and tree storage	Rangeland
7.58	25	x	185	0.11	Tree storage	Rangeland
7.62	50	x	160	0.18	Side slope	Rangeland
7.65	75	x	105	0.18	Rock storage, side slope	Rangeland
7.67	50	x	1,135	1.30	Tree storage, side slope	Rangeland
7.89	25	x	400	0.23	Tree storage	Rangeland
7.97	50	x	400	0.46	Side slope	Rangeland
8.05	75	x	140	0.24	Rock storage, side slope	Rangeland
8.08	50	x	300	0.34	Side slope	Rangeland
8.11	25	x	800	0.46	Tree storage	Rangeland
8.14	75	x	85	0.15	Side slope, rock storage	Rangeland
8.26	225	x	200	1.03	Truck turn around, tree storage	Rangeland
8.30	25	x	290	0.17	Tree storage	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)		Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
8.82	25	x	1,065	0.61 Tree storage	Rangeland
9.01	50	x	560	0.64 Tree storage, rock storage	Rangeland
9.12	25	x	935	0.54 Tree storage	Rangeland
9.30	50	x	95	0.11 Rock and tree storage	Rangeland
9.32	100	x	340	0.78 Rock and tree storage	Rangeland
9.38	125	x	585	1.68 Rock and tree storage, topsoil	Rangeland
9.49	100	x	120	0.28 Tree storage, topsoil	Rangeland
9.51	125	x	869	2.49 Rock and tree storage	Rangeland
9.67	125	x	140	0.40 Rock storage	Rangeland
9.70	225	x	200	1.03 Rock and tree storage	Rangeland
9.74	25	x	2,963	1.70 Tree storage	Rangeland
10.29	50	x	145	0.17 Rock and tree storage	Rangeland
10.32	25	x	400	0.23 Tree storage	Rangeland
10.39	50	x	165	0.19 Rock and tree storage	Rangeland
10.43	25	x	1,040	0.60 Tree storage	Rangeland
10.62	50	x	1,115	1.28 Tree storage, rock storage	Rangeland
10.83	25	x	290	0.17 Tree storage	Rangeland
10.89	50	x	505	0.58 Tree storage, rock storage	Rangeland
10.98	25	x	375	0.22 Tree storage	Rangeland
11.05	50	x	1,275	1.46 Tree storage, rock storage	Rangeland
11.29	25	x	200	0.11 Tree storage	Rangeland
11.33	50	x	377	0.43 Tree storage, rock storage	Rangeland
11.40	25	x	340	0.20 Tree storage	Rangeland
11.47	50	x	915	1.05 Tree storage, rock storage	Rangeland
11.64	25	x	1,080	0.62 Tree storage	Rangeland
11.85	50	x	570	0.65 Tree storage, rock storage	Rangeland
11.95	25	x	105	0.06 Tree storage	Rangeland
11.97	50	x	1,315	1.51 Tree storage, rock storage	Rangeland
12.20	25	x	3,300	1.89 Tree storage	Rangeland
12.85	50	x	175	0.20 Tree storage, rock storage	Rangeland
12.88	25	x	1,624	0.93 Tree storage	Rangeland
13.19	90	x	100	0.21 Hydrostatic testing site	Rangeland
13.21	25	x	2,075	1.19 Tree storage	Rangeland
13.65	25	x	390	0.22 Tree storage	Rangeland
13.72	225	x	200	1.03 Tree storage, truck turn around	Rangeland
13.77	25	x	3,880	2.23 Tree storage	Rangeland
15.11	25	x	2,630	1.51 Tree storage	Rangeland
15.61	50	x	130	0.15 Tree storage, rock storage	Rangeland
15.63	25	x	255	0.15 Tree storage	Rangeland
15.93	50	x	150	0.17 Bore	Rangeland
15.95	100	x	50	0.11 Shoo-fly around bored location	Rangeland
16.06	50	x	150	0.17 Bore	Rangeland
16.19	50	x	377	0.43 Bore	Rangeland
16.23	50	x	150	0.17 Bore	Rangeland
16.81	25	x	200	0.11 Access around power pole	Rangeland
16.85	664	x	1,251	19.07 Hydrostatic test water pond	Rangeland
17.09	765	x	200	3.51 Fill and hydrostatic site	Rangeland
17.23	225	x	200	1.03 Truck turn around, tree storage	Rangeland
17.27	25	x	625	0.36 Tree storage	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
17.39	40	x	225	0.21	Seed bank segregation, rock storage	Rangeland
17.43	50	x	80	0.09	Tree storage, rock storage	Rangeland
17.45	40	x	75	0.07	Tree storage, seed bank segregation	Rangeland
17.46	50	x	87	0.10	Rock and tree storage	Rangeland
17.48	40	x	65	0.06	Seed bank segregation, tree storage	Rangeland
17.49	50	x	245	0.28	Rock and tree storage	Rangeland
17.53	40	x	210	0.19	Seed bank segregation, tree storage	Rangeland
17.57	50	x	1,548	1.78	Rock storage, tree storage	Rangeland
17.86	25	x	1,905	1.09	Tree storage, rock storage	Rangeland
19.81	60	x	250	0.34	Tree storage, rock storage, seed bank segregation	Rangeland
19.85	85	x	634	1.24	Large rock storage	Rangeland
19.98	60	x	400	0.55	Tree storage, rock storage, seed bank segregation	Rangeland
20.15	25	x	170	0.10	Seed bank segregation	Rangeland
20.23	25	x	170	0.10	Seed bank segregation	Rangeland
20.51	25	x	105	0.06	Seed bank segregation	Rangeland
20.94	50	x	340	0.39	Bore (Verde Ranch Road)	Rangeland
21.01	25	x	5,250	3.01	Tree storage	Rangeland
22.00	75	x	700	1.21	Tree storage, side slope	Rangeland
22.13	225	x	200	1.03	Truck turn around, tree storage	Rangeland
22.17	25	x	500	0.29	Tree storage	Rangeland
22.26	115	x	60	0.16	Winch site, tree storage, seed bank segregation	Rangeland
22.27	75	x	1,250	2.15	Tree storage, side slope	Rangeland
22.51	115	x	60	0.16	Winch site, tree storage, seed bank segregation	Rangeland
22.52	75	x	900	1.55	Tree storage, side slope	Rangeland
22.70	25	x	622	0.36	Tree storage	Rangeland
22.81	75	x	170	0.29	Rock and tree storage	Rangeland
22.83	225	x	200	1.03	Rock and tree storage, side slope	Rangeland
22.87	25	x	625	0.36	Tree storage	Rangeland
23.00	85	x	60	0.12	Tree storage, winch site	Rangeland
23.01	25	x	4,060	2.33	Tree storage	Rangeland
23.78	100	x	200	0.46	Tree storage, Verde River crossing	Rangeland
23.83	100	x	200	0.46	Tree storage, Verde River crossing	Rangeland
23.92	25	x	270	0.15	Tree storage	Rangeland
23.97	50	x	790	0.91	Tree storage, rock storage	Rangeland
24.12	55	x	735	0.93	Tree storage, rock storage, seed bank segregation	Rangeland
24.18	225	x	200	1.03	Tree storage, rock storage	Rangeland
24.21	25	x	570	0.33	Tree storage, slope	Rangeland
24.26	25	X	230	0.13	Side slope	Rangeland
24.44	50	x	835	0.96	Tree storage, rock storage	Rangeland
24.60	25	x	565	0.32	Tree storage	Rangeland
24.71	75	x	430	0.74	Tree storage, slope	Rangeland
24.79	200	x	200	0.92	Tree storage, truck turn around, winch site	Rangeland
24.82	75	x	1,735	2.99	Tree storage, slope	Rangeland
25.16	25	x	590	0.34	Tree storage	Rangeland
25.27	55	x	925	1.17	Tree storage, slope	Rangeland
25.43	75	x	1,248	2.15	Tree storage, rock storage, seed bank segregation	Rangeland
25.70	55	x	816	1.03	Tree storage, rock storage, seed bank segregation	Rangeland
25.84	75	x	720	1.24	Tree storage, rock storage, side slope	Rangeland
26.00	100	x	805	1.85	Tree storage, side slope	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
26.15	75	x	130	0.22	Tree storage, rock storage	Rangeland
26.18	100	x	110	0.25	Tree storage, side slope	Rangeland
26.20	50	x	65	0.07	Tree storage, rock storage	Rangeland
26.21	25	x	330	0.19	Tree storage	Rangeland
26.27	75	x	935	1.61	Tree storage, side slope	Rangeland
26.44	200	x	200	0.92	Tree storage, truck turn around	Rangeland
26.47	25	x	125	0.07	Tree storage	Rangeland
26.50	55	x	560	0.71	Tree storage, slope	Rangeland
26.60	75	x	100	0.17	Tree storage, rock storage, slope	Rangeland
26.62	55	x	65	0.08	Tree storage, slope	Rangeland
26.64	200	x	200	0.92	Tree storage, truck turn around	Rangeland
26.67	55	x	75	0.09	Tree storage, slope	Rangeland
26.69	25	x	200	0.11	Tree storage	Rangeland
26.73	75	x	1,300	2.24	Tree storage, slope	Rangeland
26.97	100	x	200	0.46	Tree storage, rock storage, slope	Rangeland
27.01	75	x	95	0.16	Tree storage, slope	Rangeland
27.03	135	x	60	0.19	Tree storage, winch site	Rangeland
27.06	25	x	135	0.08	Tree storage	Rangeland
27.08	50	x	215	0.25	Tree storage, rock storage	Rangeland
27.12	55	x	1,530	1.93	Tree storage, rock storage	Rangeland
27.40	80	x	365	0.67	Large rock storage, tree storage	Rangeland
27.47	55	x	15	0.02	Large rock storage, tree storage	Rangeland
27.47	25	x	10,048	5.77	Tree storage	Rangeland
29.22	17	x	100	0.04	Easement adjustment to co-locate with El Paso Natural Gas (EPNG)	Rangeland
29.23	17	x	100	0.04	Easement adjustment to co-locate with EPNG	Rangeland
29.37	25	x	88	0.05	Tree storage, rock storage	Rangeland
29.39	50	x	195	0.22	Tree storage, rock storage	Rangeland
29.43	25	x	65	0.04	Tree storage	Rangeland
29.44	75	x	1,000	1.72	Tree storage, rock storage, slope	Rangeland
29.63	25	x	210	0.12	Tree storage	Rangeland
29.67	75	x	760	1.31	Tree storage, rock storage, slope	Rangeland
29.81	50	x	105	0.12	Tree storage, rock storage	Rangeland
29.83	75	x	110	0.19	Tree storage, rock storage, seed bank segregation	Rangeland
29.85	55	x	85	0.11	Tree storage, rock storage	Rangeland
29.87	30	x	325	0.22	Seed bank segregation	Rangeland
29.93	50	x	1,250	1.43	Seed bank segregation, slope	Rangeland
30.17	65	x	350	0.52	Seed bank segregation	Rangeland
30.32	15	x	4,680	1.61	Seed bank segregation	Rangeland
31.11	65	x	335	0.50	Road crossing	Rangeland
31.18	15	x	7,963	2.74	Seed bank segregation	Rangeland
32.69	65	x	390	0.58	County Road 70 crossing, seed bank segregation	Rangeland
32.75	15	x	10,010	3.45	Seed bank segregation	Rangeland
34.10	15	x	10,677	3.68	Seed bank segregation	Rangeland
34.42	80	x	100	0.18	Drain crossing	Rangeland
34.42	15	x	11,240	3.87	Seed bank segregation	Rangeland
36.65	80	x	100	0.18	Hydrostatic test break	Rangeland
36.67	15	x	6,675	2.30	Seed bank segregation	Rangeland
36.84	50	x	100	0.11	45 degree bend, east side	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
37.89	50	x	300	0.34	45 degree bend, east side	Rangeland
37.89	50	x	300	0.34	45 degree bend, west side	Rangeland
37.95	15	x	1,312	0.45	Seed bank segregation	Rangeland
38.19	80	x	100	0.18	Valve site, seed bank segregation	Rangeland
38.21	15	x	3,673	1.26	Seed bank segregation	Rangeland
38.88	50	x	300	0.34	45 degree bend, west side	Rangeland
38.88	50	x	300	0.34	45 degree bend, east side	Rangeland
38.94	15	x	5,036	1.73	Seed bank segregation	Rangeland
39.86	50	x	300	0.34	45 degree bend, west side, wash	Rangeland
39.86	50	x	300	0.34	45 degree bend, east side, wash	Rangeland
39.92	15	x	17,985	6.19	Seed bank segregation	Rangeland
40.80	50	x	575	0.66	45 degree offset bends, east side	Rangeland
41.80	50	x	300	0.34	45 degree offset bends, east side	Rangeland
42.77	50	x	300	0.34	45 degree offset bends, east side	Rangeland
43.22	65	x	150	0.22	State Highway 89A crossing, seed bank segregation	Rangeland
43.25	15	x	120	0.04	State Highway 89A crossing	Rangeland
43.27	65	x	150	0.22	State Highway 89A crossing, seed bank segregation	Rangeland
43.29	15	x	6,481	2.23	Seed bank segregation	Rangeland
44.38	75	x	230	0.40	Fain Road crossing	Rangeland
44.42	53	x	1,550	1.89	Fain Road crossing	Rangeland
44.51	15	x	1,705	0.59	Seed bank segregation	Rangeland
44.59	50	x	250	0.29	Drain crossing	Rangeland
44.82	50	x	150	0.17	Drain crossing	Rangeland
44.85	15	x	4,625	1.59	Seed bank segregation	Rangeland
45.33	100	x	400	0.92	Agua Fria River crossing	Rangeland
45.73	65	x	150	0.22	Seed bank segregation, Lake Shore Street crossing	Rangeland
45.79	65	x	150	0.22	Seed bank segregation, Lake Shore Street crossing	Rangeland
45.82	15	x	110	0.04	Seed bank segregation	Rangeland
45.85	25	x	250	0.14	Existing sewer line (north side) crossing	Rangeland
45.85	50	x	250	0.29	Seed bank segregation, existing sewer line (south side)	Rangeland
45.89	15	x	1,350	0.46	Seed bank segregation	Rangeland
46.15	80	x	100	0.18	Valve site, seed bank segregation	Rangeland
46.17	15	x	373	0.13	Seed bank segregation	Rangeland
46.24	25	x	250	0.14	Exist. sewer line (north side) crossing	Rangeland
46.24	40	x	250	0.23	Seed bank segregation, existing sewer line (south side)	Rangeland
46.29	15	x	1,320	0.45	Seed bank segregation	Rangeland
46.54	50	x	100	0.11	Wash crossing	Rangeland
46.56	15	x	1,962	0.68	Seed bank segregation	Rangeland
46.92	40	x	250	0.23	Seed bank segregation, exist. sewer line (north side)	Rangeland
46.92	25	x	250	0.14	Existing sewer line (south side) crossing	Rangeland
46.97	15	x	1,365	0.47	Seed bank segregation	Rangeland
47.11	25	x	150	0.09	Ell bend (south side)	Rangeland
47.25	115	x	455	1.20	Wash crossing, seed bank segregation	Rangeland
47.25	100	x	870	2.00	Wash crossing	Rangeland
47.34	15	x	1,460	0.50	Seed bank segregation	Rangeland
47.65	40	x	150	0.14	Seed bank segregation	Rangeland
47.67	15	x	1,700	0.59	Seed bank segregation	Rangeland
47.91	25	x	150	0.09	Ell bend (south side)	Rangeland
47.99	100	x	80	0.18	Valve site, seed bank segregation	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
48.01	15	x	3,184	1.10	Seed bank segregation	Rangeland
48.61	70	x	40	0.06	Ell bend (workspace changes to east side)	Rangeland
48.62	40	x	35	0.03	Ell bend, seed bank segregation	Rangeland
48.63	15	x	100	0.03	Seed bank segregation	Rangeland
48.70	65	x	150	0.22	Seed bank segregation, proposed road crossing	Rangeland
48.74	65	x	150	0.22	Seed bank segregation, proposed road crossing	Rangeland
48.77	15	x	205	0.07	Seed bank segregation	Rangeland
48.80	65	x	150	0.22	Valley Run Road crossing	Rangeland
48.85	65	x	150	0.22	Valley Run Road crossing	Rangeland
48.88	15	x	1,304	0.45	Seed bank segregation	Rangeland
49.13	90	x	175	0.36	Seed bank segregation, bore State Highway 69	Rangeland
49.32	115	x	150	0.40	Seed bank segregation, bore State Highway 69	Rangeland
49.35	15	x	513	0.18	Seed bank segregation	Rangeland
49.44	215	x	200	0.99	Truck turn around, seed bank segregation	Rangeland
49.48	15	x	518	0.18	Seed bank segregation	Rangeland
49.57	40	x	75	0.07	Seed bank segregation, wash	Rangeland
49.59	15	x	250	0.09	Seed bank segregation	Rangeland
49.63	40	x	75	0.07	Seed bank segregation, wash	Rangeland
49.65	15	x	165	0.06	Seed bank segregation	Rangeland
49.68	215	x	200	0.99	Seed bank segregation, truck turn around	Rangeland
49.72	15	x	845	0.29	Seed bank segregation	Rangeland
49.88	75	x	60	0.10	Winch site, seed bank segregation	Rangeland
49.89	15	x	220	0.08	Seed bank segregation	Rangeland
49.93	200	x	185	0.85	Hydrostatic test break	Rangeland
49.97	15	x	300	0.10	Seed bank segregation	Rangeland
50.09	50	x	670	0.77	Bore, Old Black Canyon Highway	Rangeland
50.15	49	x	262	0.29	Bore, Old Black Canyon Highway	Rangeland
50.24	50	x	150	0.17	Bore, Old Black Canyon Highway	Rangeland
50.27	15	x	2,400	0.83	Seed bank segregation	Rangeland
50.72	65	x	100	0.15	Valve site	Rangeland
50.83	25	x	150	0.09	Ell bend (west side)	Rangeland
51.06	25	x	100	0.06	Wash	Rangeland
51.08	25	x	150	0.09	Ell bend (east side)	Rangeland
51.21	25	x	100	0.06	Wash crossing	Rangeland
51.46	25	x	100	0.06	Wash crossing	Rangeland
51.61	25	x	100	0.06	Wash crossing	Rangeland
51.73	25	x	310	0.18	Ell bend (west side)	Rangeland
52.07	15	x	170	0.06	Seed bank segregation	Rangeland
52.10	65	x	355	0.53	Seed bank segregation, Peanut Drive (bore)	Developed
52.17	15	x	976	0.34	Seed bank segregation	Developed
52.36	75	x	60	0.10	Seed bank segregation, winch site	Developed
52.37	15	x	233	0.08	Seed bank segregation	Developed
52.42	65	x	150	0.22	Kachina Place Road, seed bank segregation	Developed
52.45	15	x	807	0.28	Seed bank segregation	Developed
52.58	65	x	150	0.22	Seed bank segregation, Henderson Road	Developed
52.62	15	x	560	0.19	Seed bank segregation	Developed
52.72	65	x	335	0.50	Seed bank segregation, Early Way Drive	Residential
52.79	15	x	378	0.13	Seed bank segregation	Developed
52.86	65	x	350	0.52	Seed bank segregation, Janet Way Street	Developed

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
52.92	15	x	407	0.14	Seed bank segregation	Developed
53.01	65	x	321	0.48	Seed bank segregation, gravel road	Residential
53.06	15	x	658	0.23	Seed bank segregation	Residential
53.19	65	x	355	0.53	Seed bank segregation, rock storage, Hill Road	Developed
53.26	15	x	3,300	1.14	Seed bank segregation	Residential
53.89	65	x	350	0.52	Seed bank segregation, Prescott Dells Road	Rangeland
53.95	15	x	169	0.06	Seed bank segregation	Rangeland
53.98	80	x	100	0.18	Valve site	Rangeland
54.00	15	x	1,189	0.41	Seed bank segregation	Rangeland
54.26	200	x	200	0.92	Truck turn around, winch site	Rangeland
54.52	60	x	60	0.08	Winch site	Rangeland
54.62	200	x	200	0.92	Truck turn around, winch site	Rangeland
55.20	14	x	100	0.03	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
55.22	14	x	100	0.03	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
55.32	15	x	100	0.03	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
55.33	15	x	100	0.03	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
55.47	14	x	100	0.03	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
55.48	50	x	30	0.03	Iron King Drive	Rangeland
55.49	65	x	300	0.45	Seed bank segregation, Iron King Drive	Rangeland
55.56	15	x	816	0.28	Seed bank segregation	Rangeland
55.69	16	x	100	0.04	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
55.70	65	x	420	0.63	Road bore	Rangeland
55.78	15	x	1,584	0.55	Seed bank segregation	Rangeland
56.08	65	x	635	0.95	Galena gulch (west side)	Rangeland
56.08	65	x	656	0.98	Galena gulch (east side)	Rangeland
56.17	15	x	275	0.09	Seed bank segregation	Rangeland
56.24	40	x	75	0.07	Ell bends	Rangeland
56.25	15	x	285	0.10	Seed bank segregation	Rangeland
56.30	40	x	75	0.07	Ell bends	Rangeland
56.32	15	x	1,048	0.36	Seed bank segregation	Rangeland
56.71	100	x	175	0.40	State Highway 89 bore	Rangeland
56.81	90	x	450	0.93	Seed bank segregation, State Highway 89 bore	Rangeland
56.83	130	x	259	0.77	Seed bank segregation, State Highway 89 bore	Rangeland
56.87	15	x	543	0.19	Seed bank segregation	Rangeland
56.94	25	x	500	0.29	Ell bend	Rangeland
56.98	40	x	150	0.14	Ell bend, seed bank segregation	Rangeland
56.99	15	x	1,965	0.68	Seed bank segregation	Rangeland
57.85	15	x	488	0.17	Seed bank segregation	Rangeland
57.94	40	x	85	0.08	Seed bank segregation, tree storage	Rangeland
57.95	15	x	45	0.02	Seed bank segregation	Rangeland
57.96	165	x	1,170	4.43	Side slope, seed bank segregation	Rangeland
58.07	65	x	100	0.15	Hydrostatic test break	Rangeland
58.18	15	x	1,994	0.69	Seed bank segregation	Rangeland
58.58	40	x	150	0.14	Ell bend	Developed
58.60	15	x	330	0.11	Seed bank segregation	Developed
58.66	65	x	1,370	2.04	Seed bank segregation, Meadow Lane Road	Developed
58.92	80	x	545	1.00	Ell bends (east side)	Developed
58.92	80	x	550	1.01	Ell bends (west side)	Developed
59.01	15	x	678	0.23	Seed bank segregation	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
59.14	65	x	775	1.16	Dry Wash crossing, seed bank segregation, access road	Rangeland
59.23	20	x	100	0.05	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
59.29	15	x	280	0.10	Seed bank segregation	Rangeland
59.34	75	x	60	0.10	Winch site	Rangeland
59.35	15	x	766	0.26	Seed bank segregation	Rangeland
59.50	65	x	442	0.66	Seed bank segregation, Branding Iron Way	Rangeland
59.54	13	x	100	0.03	Branding Iron Way	Rangeland
59.58	15	x	250	0.09	Seed bank segregation	Rangeland
59.63	40	x	100	0.09	Seed bank segregation	Rangeland
59.65	15	x	116	0.04	Seed bank segregation	Rangeland
59.67	40	x	100	0.09	Seed bank segregation, Rigger Road	Rangeland
59.69	15	x	475	0.16	Seed bank segregation	Rangeland
59.71	15	x	100	0.03	Seed bank segregation	Developed
59.79	65	x	433	0.65	Deep wash crossing, Chapparral Road	Developed
59.87	15	x	109	0.04	Seed bank segregation	Developed
59.89	65	x	314	0.47	Seed bank segregation, Thoroughbred Lane	Developed
59.95	15	x	2,292	0.79	Seed bank segregation	Developed
60.38	65	x	167	0.25	Wash crossing	Rangeland
60.88	65	x	200	0.30	Hydrostatic test break	Rangeland
61.04	60	x	60	0.08	Winch site	Rangeland
61.56	60	x	60	0.08	Winch site	Rangeland
61.75	60	x	60	0.08	Winch site	Rangeland
61.85	60	x	60	0.08	Winch site	Rangeland
61.95	15	x	117	0.04	Easement adjustment to maintain co-occupancy with EPNG	Rangeland
61.95	15	x	1,260	0.43	Seed bank segregation	Rangeland
62.19	80	x	100	0.18	Mainline valve	Rangeland
62.21	15	x	1,120	0.39	Seed bank segregation	Rangeland
62.42	50	x	356	0.41	Copper Road, seed bank segregation	Rangeland
62.71	150	x	25	0.09	PI	Rangeland
63.11	200	x	200	0.92	Truck turn around	Rangeland
63.15	100	x	50	0.11	Road crossing	Rangeland
63.18	100	x	50	0.11	Road crossing	Rangeland
63.69	200	x	50	0.23	PI, dry wash crossing	Rangeland
63.74	1,046	x	10	0.24	Slope	Rangeland
63.94	213	x	25	0.12	Foreign pipeline	Rangeland
63.99	306	x	25	0.18	Foreign pipeline	Rangeland
63.99	1,360	x	5	0.16	Slope	Rangeland
64.19	150	x	50	0.17	Dry wash crossing	Rangeland
64.24	667	x	25	0.38	Dry wash crossing, slope	Rangeland
64.29	463	x	25	0.27	Dry wash crossing, slope	Rangeland
64.46	1,137	x	25	0.65	PI, dry wash crossing, slope	Rangeland
64.67	360	x	273	2.26	Truck turn around, PI, Highway 69 crossing	Rangeland
64.69	244	x	50	0.28	Highway 69 crossing	Rangeland
64.79	150	x	150	0.52	Truck turn around, Big Bug Creek, road crossing	Rangeland
64.84	848	x	25	0.49	Incline, slope	Rangeland
64.85	600	x	25	0.34	Incline	Rangeland
65.00	962	x	10	0.22	Slope	Rangeland
65.14	336	x	50	0.39	PI, foreign pipeline	Rangeland
65.57	150	x	25	0.09	PI	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
65.63	150	x	50	0.17	Road crossing, utility crossing	Rangeland
65.68	150	x	50	0.17	Road crossing, utility crossing	Rangeland
65.90	150	x	25	0.09	PI	Rangeland
65.92	150	x	25	0.09	PI	Rangeland
66.10	150	x	50	0.17	Hackberry Creek crossing	Rangeland
66.11	100	x	25	0.06	Hackberry Creek crossing	Rangeland
66.15	280	x	25	0.16	Hackberry Creek crossing	Rangeland
66.17	200	x	200	0.92	Truck turn around	Rangeland
66.21	250	x	75	0.43	Hackberry Creek crossing, road crossing	Rangeland
66.28	461	x	25	0.26	Road crossing, utility crossing	Rangeland
66.31	150	x	75	0.26	Road crossing, slope	Rangeland
66.44	150	x	25	0.09	PI	Rangeland
66.52	670	x	15	0.23	Incline, slope	Rangeland
66.52	765	x	25	0.44	PI, incline	Rangeland
67.02	1,751	x	5	0.20	Slope	Rangeland
67.33	200	x	200	0.92	Truck turn around	Rangeland
67.63	1,950	x	5	0.22	Slope	Rangeland
67.91	250	x	50	0.29	Utility crossing, power pole	Rangeland
68.20	150	x	50	0.17	Road crossing, slope	Rangeland
68.26	150	x	50	0.17	Road crossing, slope	Rangeland
68.36	150	x	25	0.09	PI	Rangeland
69.01	200	x	200	0.92	Truck turn around	Rangeland
69.06	150	x	25	0.09	PI	Rangeland
69.13	150	x	50	0.17	Road crossing, utility crossing	Rangeland
69.18	150	x	50	0.17	Road crossing, utility crossing	Rangeland
69.25	100	x	25	0.06	Mainline valve site	Rangeland
69.33	356	x	25	0.20	PI, Antelope Creek crossing	Rangeland
69.40	1,716	x	5	0.20	Slope	Rangeland
69.99	3,782	x	5	0.43	Slope	Rangeland
70.71	200	x	25	0.11	Dry wash crossing	Rangeland
70.98	3,175	x	5	0.36	Slope	Rangeland
71.58	75	x	50	0.09	Road crossing	Rangeland
71.59	255	x	25	0.15	PI, road crossing	Rangeland
71.62	150	x	25	0.09	Road crossing, utility crossing, slope	Rangeland
71.65	285	x	75	0.49	Road crossing, utility crossing, slope	Rangeland
71.65	1,983	x	10	0.46	Slope	Rangeland
71.99	200	x	200	0.92	Truck turn around	Rangeland
72.11	150	x	25	0.09	PI	Rangeland
72.13	150	x	25	0.09	PI	Rangeland
72.43	100	x	75	0.17	Road crossing, utility crossing	Rangeland
72.47	150	x	75	0.26	Road crossing, utility crossing	Rangeland
72.63	937	x	25	0.54	PI, Dry wash crossing, slope	Rangeland
72.88	360	x	25	0.21	Dry wash crossing, slope	Rangeland
73.25	200	x	10	0.05	Road crossing, utility crossing, slope	Rangeland
73.27	150	x	40	0.14	Road crossing, utility crossing	Rangeland
73.30	156	x	25	0.09	Road crossing, utility crossing	Rangeland
73.31	240	x	25	0.14	Road crossing, utility crossing	Rangeland
73.36	200	x	200	0.92	Hydrostatic test section, truck turn around	Rangeland
73.49	250	x	75	0.43	Dry wash crossing	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)		Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
73.49	935	x 25	0.54	Dry wash crossing, slope	Rangeland
74.50	200	x 25	0.11	PI	Rangeland
74.54	1,030	x 10	0.24	Slope	Rangeland
76.31	150	x 25	0.09	PI	Rangeland
77.08	150	x 25	0.09	PI	Rangeland
77.28	200	x 200	0.92	Truck turn around	Rangeland
78.56	200	x 200	0.92	Truck turn around	Rangeland
79.31	984	x 25	0.56	Dry wash crossing, slope	Rangeland
79.66	841	x 25	0.48	Dry wash crossing, slope	Rangeland
79.91	1,450	x 25	0.83	PI, dry wash crossing, slope	Rangeland
79.92	200	x 50	0.23	Dry wash crossing	Rangeland
80.15	200	x 75	0.34	PI, sheep gulch crossing	Rangeland
80.19	2,485	x 5	0.29	Slope	Rangeland
80.98	3,540	x 25	2.03	PI, slope	Rangeland
81.70	100	x 25	0.06	Valve site	Rangeland
81.79	200	x 200	0.92	Truck turn around	Rangeland
81.86	608	x 25	0.35	Dry wash crossing, slope	Rangeland
81.99	100	x 25	0.06	Dry wash crossing	Rangeland
82.09	150	x 25	0.09	Dry wash crossing	Rangeland
82.11	150	x 50	0.17	Dry wash crossing	Rangeland
82.14	2,708	x 10	0.62	Dry wash crossing, slope	Rangeland
82.37	206	x 25	0.12	PI	Rangeland
82.59	687	x 45	0.71	Dry wash crossing, road crossing	Rangeland
82.66	150	x 25	0.09	Road crossing	Rangeland
82.71	362	x 25	0.21	PI, dry wash crossing, road crossing	Rangeland
82.73	270	x 45	0.28	PI, dry wash crossing, road crossing	Rangeland
82.78	1,776	x 10	0.41	Dry wash crossing, slope	Rangeland
83.42	280	x 25	0.16	Dry wash crossing	Rangeland
83.65	430	x 25	0.25	PI	Rangeland
83.69	150	x 25	0.09	PI	Rangeland
83.79	200	x 200	0.92	Truck turn around	Rangeland
83.82	593	x 50	0.68	Incline, dry wash crossing, slope	Rangeland
83.84	150	x 25	0.09	PI	Rangeland
83.95	3,748	x 25	2.15	Incline, Arrastre Creek crossing, dry wash crossings, slope	Rangeland
83.96	1,279	x 25	0.73	Incline, dry wash crossing, slope	Rangeland
84.26	800	x 50	0.92	Incline, dry wash crossing, slope	Rangeland
84.42	1,262	x 25	0.72	Incline, dry wash crossing, slope	Rangeland
84.71	243	x 50	0.28	Dry wash crossing, road crossings, slope	Rangeland
84.72	150	x 25	0.09	Road crossing, utility crossing	Rangeland
84.76	150	x 50	0.17	Road crossing, utility crossing	Rangeland
84.76	4,961	x 25	2.85	Dry wash crossing, slope	Rangeland
84.80	1,954	x 25	1.12	Dry wash crossing, slope	Rangeland
85.28	150	x 50	0.17	Dry wash crossing	Rangeland
85.75	525	x 25	0.30	Incline, slope	Rangeland
85.75	702	x 25	0.40	Incline, dry wash crossing, slope	Rangeland
85.85	200	x 50	0.23	Dry wash crossing	Rangeland
85.90	100	x 25	0.06	Dry wash crossing	Rangeland
85.96	150	x 25	0.09	PI	Rangeland
86.00	250	x 50	0.29	Dry wash crossing	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
86.03	440	x	25	0.25	Dry wash crossing, slope	Rangeland
86.13	150	x	50	0.17	Dry wash crossing	Rangeland
86.16	150	x	25	0.09	PI	Rangeland
86.21	43	x	151	0.15	Road crossing, utility crossing, dry wash crossing	Rangeland
86.25	200	x	150	0.69	Truck turn around, road crossing, foreign pipeline	Rangeland
86.26	300	x	65	0.45	Road crossing, foreign pipeline, utility crossing	Rangeland
86.28	100	x	163	0.37	PI, road crossing, foreign pipeline	Rangeland
86.30	205	x	65	0.31	PI, foreign pipeline	Rangeland
86.57	398	x	25	0.23	Dry wash crossing, PI	Rangeland
86.65	125	x	25	0.07	Dry wash crossing	Rangeland
86.72	100	x	25	0.06	Dry wash crossing	Rangeland
86.95	605	x	5	0.07	Dry wash crossing, slope	Developed
87.06	300	x	50	0.34	Dry wash crossing	Developed
87.24	200	x	25	0.11	Dry wash crossing	Developed
87.31	200	x	25	0.11	Dry wash crossing	Developed
87.44	100	x	25	0.06	Valve	Developed
87.49	100	x	25	0.06	PI	Developed
87.51	150	x	50	0.17	Interstate 17 ramp crossing, utility crossing	Developed
87.56	257	x	50	0.29	Interstate 17 ramp crossing	Developed
87.58	75	x	50	0.09	PI	Developed
87.70	150	x	25	0.09	Road crossing	Developed
87.75	150	x	25	0.09	Road crossing	Developed
87.92	75	x	50	0.09	PI, road crossing	Developed
87.94	281	x	55	0.35	Road crossing	Residential
88.13	200	x	100	0.46	Residence	Developed
88.26	197	x	25	0.11	Residence, dry wash crossing	Developed
88.37	302	x	25	0.17	Residence	Developed
88.44	279	x	211	1.35	Truck turn around, staging	Developed
88.53	173	x	25	0.10	Road crossing	Developed
88.57	200	x	200	0.92	Truck turn around, road crossing	Developed
88.61	209	x	100	0.48	PI, Agua Fria River crossing	Developed
88.66	554	x	75	0.95	Agua Fria River crossing, wetland	Developed
88.73	155	x	53	0.19	PI, Agua Fria River crossing, wetland	Developed
88.83	274	x	57	0.36	Wetland crossing	Developed
88.87	338	x	25	0.19	PI, slope	Developed
89.12	222	x	48	0.24	Foreign pipeline	Developed
89.16	269	x	236	1.46	PI, road crossing, incline	Developed
89.20	150	x	50	0.17	Road crossing	Developed
89.24	150	x	50	0.17	Road crossing	Developed
89.27	287	x	25	0.16	PI, slope	Developed
89.66	100	x	100	0.23	PI, Interstate 17 crossing	Rangeland
89.67	225	x	200	1.03	Truck turn around, Interstate 17 crossing	Rangeland
89.73	200	x	250	1.15	Truck turn around, Interstate 17 crossing	Developed
89.77	300	x	75	0.52	Interstate 17 crossing	Developed
89.82	187	x	50	0.21	PI	Developed
90.01	200	x	200	0.92	Hydrostatic test site section, truck turn around	Developed
90.20	200	x	25	0.11	Dry wash crossing	Developed
90.28	200	x	25	0.11	Dry wash crossing	Developed
90.36	100	x	25	0.06	Dry wash crossing	Developed

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
90.39	100	x	25	0.06	Dry wash crossing	Developed
90.40	1,290	x	15	0.44	Dry wash crossing, slope	Developed
90.57	150	x	50	0.17	Dry wash crossing	Rangeland
90.78	450	x	15	0.15	Dry wash crossing, slope	Rangeland
91.26	250	x	50	0.29	Incline, slope	Rangeland
91.30	294	x	25	0.17	Dry wash crossing, slope	Rangeland
91.73	886	x	5	0.10	Slope	Rangeland
92.05	1,132	x	5	0.13	Slope	Rangeland
92.47	150	x	65	0.22	Road crossing, foreign pipeline	Rangeland
92.49	190	x	25	0.11	PI, foreign pipeline	Rangeland
92.50	295	x	65	0.44	Road crossing, foreign pipeline	Rangeland
92.64	200	x	200	0.92	Truck turn around, Interstate 17 crossing	Rangeland
92.65	270	x	75	0.46	Interstate 17 crossing	Rangeland
92.68	62	x	50	0.07	Interstate 17 crossing	Rangeland
92.71	151	x	102	0.35	Interstate 17 crossing, foreign pipeline	Rangeland
92.83	200	x	200	0.92	Truck turn around	Rangeland
92.86	1,000	x	50	1.15	Little squaw Creek crossing	Rangeland
93.33	200	x	200	0.92	Truck turn around	Rangeland
93.37	230	x	50	0.26	Road crossing	Rangeland
93.41	150	x	100	0.34	Interstate 17 crossing, dry wash crossing	Rangeland
93.51	200	x	75	0.34	Interstate 17 crossing	Rangeland
93.55	877	x	50	1.01	Moore's gulch, dry wash, Interstate 17 crossing	Rangeland
93.72	200	x	200	0.92	Truck turn around	Rangeland
93.77	1,035	x	5	0.12	Dry wash crossing, slope	Rangeland
93.99	325	x	25	0.19	Dry wash crossing, slope	Rangeland
94.30	430	x	25	0.25	Slope	Rangeland
94.47	1,533	x	5	0.18	Dry wash crossing, slope	Rangeland
94.77	200	x	50	0.23	Dry wash crossing	Rangeland
94.83	275	x	25	0.16	Dry wash crossing, slope	Rangeland
94.89	100	x	25	0.06	Dry wash crossing	Rangeland
95.02	150	x	65	0.22	Foreign pipeline	Rangeland
95.03	567	x	65	0.85	Foreign pipeline	Rangeland
95.04	332	x	65	0.50	Foreign pipeline	Rangeland
95.15	2,744	x	10	0.63	L/R Fence Buffer	Rangeland
95.29	150	x	50	0.17	Road crossing	Rangeland
95.30	4,726	x	20	2.17	Dry wash crossing, slope	Rangeland
95.32	971	x	25	0.56	Incline	Rangeland
95.71	200	x	50	0.23	Dry wash crossing	Rangeland
96.26	200	x	200	0.92	Truck turn around	Rangeland
96.30	330	x	25	0.19	Incline	Rangeland
96.70	330	x	25	0.19	Incline	Rangeland
97.07	1,144	x	20	0.53	Slope	Rangeland
97.36	1,853	x	20	0.85	Slope	Rangeland
97.89	200	x	50	0.23	Dry wash crossing	Rangeland
97.96	100	x	25	0.06	Dry wash crossing	Rangeland
98.06	1,620	x	20	0.74	Slope	Rangeland
98.69	1,115	x	20	0.51	Slope	Rangeland
99.38	400	x	20	0.18	Slope	Rangeland
102.14	200	x	200	0.92	Hydrostatic test section, truck turn around	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
104.27	150	x	50	0.17	Road crossing	Rangeland
104.32	150	x	50	0.17	Road crossing	Rangeland
104.35	100	x	25	0.06	Valve site	Rangeland
106.02	250	x	50	0.29	Utility crossing	Rangeland
106.68	150	x	25	0.09	PI	Rangeland
107.26	150	x	50	0.17	Road crossing	Rangeland
107.33	150	x	50	0.17	Road crossing	Rangeland
107.53	150	x	50	0.17	Road crossing	Rangeland
107.58	150	x	50	0.17	Road crossing	Rangeland
107.73	150	x	50	0.17	PI	Rangeland
108.44	368	x	50	0.42	PI, utility crossing	Rangeland
108.68	353	x	50	0.41	Utility crossing	Rangeland
108.75	130	x	65	0.19	Transmission tower	Rangeland
108.97	279	x	75	0.48	Highway 74 crossing	Rangeland
108.99	200	x	200	0.92	Truck turn around	Rangeland
109.06	250	x	100	0.57	Highway 74 crossing, transmission tower	Rangeland
109.07	50	x	50	0.06	Highway 74 crossing	Rangeland
109.09	50	x	50	0.06	Road crossing	Rangeland
109.43	130	x	65	0.19	Transmission tower	Rangeland
109.70	912	x	65	1.36	Transmission towers, canal crossing	Rangeland
109.78	718	x	400	6.59	Truck turn around, hydrostatic test site, canal crossing	Rangeland
109.92	200	x	100	0.46	Canal crossing	Rangeland
109.94	300	x	200	1.38	Canal crossing	Rangeland
110.01	130	x	65	0.19	Transmission tower	Rangeland
110.36	598	x	65	0.89	Transmission tower, canal crossing	Rangeland
110.45	200	x	200	0.92	Truck turn around, canal crossing	Rangeland
110.55	200	x	200	0.92	Truck turn around, canal crossing	Rangeland
110.69	100	x	25	0.06	Dry wash crossing	Rangeland
110.74	130	x	65	0.19	Transmission tower	Rangeland
110.75	100	x	25	0.06	Dry wash crossing	Rangeland
110.90	150	x	50	0.17	Road crossing	Rangeland
110.95	150	x	50	0.17	Road crossing	Rangeland
111.05	130	x	65	0.19	Transmission tower	Rangeland
111.31	130	x	65	0.19	Transmission tower	Rangeland
111.44	150	x	150	0.52	Truck turn around, transmission tower	Rangeland
111.47	1,688	x	50	1.94	Agua Fria River crossing	Rangeland
111.52	1,329	x	35	1.07	Agua Fria River crossing	Rangeland
111.82	390	x	25	0.22	Incline, slope	Rangeland
111.83	772	x	45	0.80	Incline, slope, rock storage	Rangeland
111.90	130	x	65	0.19	Transmission tower	Rangeland
111.92	160	x	25	0.09	Incline, slope	Rangeland
111.96	300	x	50	0.34	Dry wash crossing, incline	Rangeland
112.00	100	x	25	0.06	Dry wash crossing	Rangeland
112.03	520	x	25	0.30	Incline, slope	Rangeland
112.04	460	x	45	0.48	Incline, slope, rock storage	Rangeland
112.13	150	x	25	0.09	PI	Rangeland
112.18	250	x	50	0.29	PI, transmission tower	Rangeland
112.21	108	x	50	0.12	PI	Rangeland
112.29	200	x	200	0.92	Truck turn around	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
112.30	126	x	75	0.22	PI, canal crossing	Rangeland
112.31	235	x	75	0.40	Canal crossing	Rangeland
112.39	236	x	60	0.33	Road crossing, canal crossing	Rangeland
112.40	200	x	200	0.92	Truck turn around	Rangeland
112.51	209	x	65	0.31	PI, transmission tower	Rangeland
112.52	150	x	25	0.09	PI	Rangeland
112.59	250	x	50	0.29	Dry wash crossing	Rangeland
112.71	400	x	50	0.46	Dry wash crossing	Rangeland
112.71	410	x	25	0.24	Dry wash crossing	Rangeland
112.86	330	x	65	0.49	Transmission tower, dry wash crossing	Rangeland
112.91	400	x	50	0.46	Dry wash crossing, slope	Rangeland
112.92	224	x	25	0.13	Dry wash crossing, slope	Rangeland
112.96	200	x	50	0.23	Dry wash crossing	Rangeland
112.99	1,078	x	25	0.62	Dry wash crossing, slope	Rangeland
113.06	200	x	50	0.23	Dry wash crossings	Rangeland
113.23	200	x	200	0.92	Truck turn around	Rangeland
113.27	93	x	65	0.14	Transmission tower	Rangeland
113.59	130	x	65	0.19	Transmission tower	Rangeland
113.92	130	x	65	0.19	Transmission tower	Rangeland
113.95	553	x	25	0.32	Dry wash crossing, incline	Rangeland
113.97	559	x	25	0.32	Dry wash crossing, slope	Rangeland
114.15	130	x	65	0.19	Transmission tower	Rangeland
114.39	130	x	65	0.19	Transmission tower	Rangeland
114.56	490	X	10	0.11	Valve site	Developed
114.71	675	x	20	0.31	Dry wash crossing	Developed
114.79	160	x	67	0.25	Transmission tower, dry wash crossing	Developed
114.96	150	x	25	0.09	Dry wash crossing	Developed
115.13	130	x	65	0.19	Transmission tower	Developed
115.39	970	x	75	1.67	Utility Crossing, transmission Tower	Developed
115.39	827	x	25	0.47	Utility crossing @ Vistancia	Developed
115.80	130	x	65	0.19	Transmission tower	Developed
116.04	550	x	75	0.95	Transmission tower, road crossing	Developed
116.16	200	x	200	0.92	Truck turn around	Developed
116.23	250	x	50	0.29	Road crossing	Developed
116.29	150	x	100	0.34	Road crossing	Developed
116.37	200	x	150	0.69	Truck turn around	Developed
116.40	150	x	100	0.34	Canal crossing, road crossing	Developed
116.41	115	x	65	0.17	Transmission tower	Developed
116.46	125	x	40	0.11	Canal crossing, road crossing	Developed
116.47	200	x	150	0.69	Truck turn around	Developed
116.51	200	x	75	0.34	Canal crossing, road crossing	Developed
116.80	263	x	63	0.38	Road crossing (future)	Rangeland
116.86	100	x	50	0.11	Road Crossing	Rangeland
117.14	130	x	65	0.19	Transmission tower	Rangeland
117.27	281	x	50	0.32	Utility crossings	Rangeland
117.38	150	x	25	0.09	PI	Rangeland
117.61	300	x	70	0.48	Utility crossing, transmission tower	Rangeland
117.79	130	x	65	0.19	Transmission tower	Rangeland
117.98	75	x	25	0.04	Dry wash crossing	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)		Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
118.00	75	x 25	0.04	Dry wash crossing	Rangeland
118.05	130	x 65	0.19	Transmission tower	Rangeland
118.31	130	x 65	0.19	Transmission tower	Rangeland
118.54	130	x 65	0.19	Transmission tower	Rangeland
118.82	130	x 65	0.19	Transmission tower	Rangeland
119.09	130	x 65	0.19	Transmission tower	Rangeland
119.37	130	x 65	0.19	Transmission tower	Rangeland
119.66	204	x 196	0.92	Transmission tower	Rangeland
119.68	150	x 25	0.09	PI	Rangeland
119.76	150	x 25	0.09	PI	Rangeland
119.93	130	x 65	0.19	Transmission tower	Rangeland
120.21	130	x 65	0.19	Transmission tower	Rangeland
120.48	130	x 65	0.19	Transmission tower	Rangeland
120.76	130	x 65	0.19	Transmission tower	Rangeland
121.04	130	x 65	0.19	Transmission tower	Rangeland
121.31	130	x 65	0.19	Transmission tower	Rangeland
121.57	130	x 65	0.19	Transmission tower	Rangeland
121.80	130	x 65	0.19	Transmission tower	Rangeland
122.05	130	x 65	0.19	Transmission tower	Rangeland
122.29	130	x 65	0.19	Transmission tower	Rangeland
122.55	130	x 65	0.19	Transmission tower	Rangeland
122.72	200	x 200	0.92	PI	Developed
122.75	280	x 50	0.32	PI, McMicken Dam outlet	Developed
122.76	559	x 50	0.64	PI, McMicken Dam outlet	Developed
122.79	200	x 200	0.92	PI	Developed
122.80	346	x 50	0.40	PI, McMicken Dam outlet	Developed
122.88	50	x 150	0.17	Foc, utility crossing, railroad crossing	Developed
122.89	50	x 90	0.10	Foc, utility crossing, railroad crossing	Developed
122.93	550	x 100	1.26	Highway 60 crossing, utility crossing	Developed
123.00	270	x 150	0.93	Truck turn around	Rangeland
123.01	150	x 50	0.17	Road crossing	Rangeland
123.12	100	x 25	0.06	Valve site	Rangeland
123.47	283	x 25	0.16	PI	Rangeland
123.49	150	x 50	0.17	Spillway dike	Rangeland
123.52	150	x 50	0.17	Spillway dike	Rangeland
123.58	150	x 25	0.09	PI	Rangeland
123.86	150	x 25	0.09	PI	Rangeland
124.28	150	x 50	0.17	PI	Rangeland
124.47	130	x 65	0.19	Transmission tower	Developed
124.72	130	x 65	0.19	Transmission tower	Developed
124.98	130	x 65	0.19	Transmission tower	Developed
124.99	150	x 25	0.09	PI	Developed
125.27	130	x 65	0.19	Transmission tower	Rangeland
125.54	130	x 65	0.19	Transmission tower	Rangeland
125.83	130	x 65	0.19	Transmission tower	Rangeland
126.10	130	x 65	0.19	Transmission tower	Rangeland
126.38	130	x 65	0.19	Transmission tower	Rangeland
126.66	130	x 65	0.19	Transmission tower	Rangeland
126.94	130	x 65	0.19	Transmission tower	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
127.21	130	x	65	0.19	Transmission tower	Rangeland
127.49	101	x	65	0.15	Transmission tower	Rangeland
127.51	200	x	200	0.92	Hydrostatic test section, truck turn around	Rangeland
127.78	130	x	65	0.19	Transmission tower	Rangeland
128.05	130	x	65	0.19	Transmission tower	Rangeland
128.33	130	x	65	0.19	Transmission tower	Rangeland
128.60	130	x	65	0.19	Transmission tower	Rangeland
128.88	130	x	65	0.19	Transmission tower	Rangeland
129.13	130	x	65	0.19	Transmission tower	Rangeland
129.39	130	x	65	0.19	Transmission tower	Rangeland
129.66	130	x	65	0.19	Transmission tower	Rangeland
129.94	254	x	63	0.37	Transmission tower, road crossing	Rangeland
130.00	150	x	50	0.17	Road crossing	Rangeland
130.21	130	x	65	0.19	Transmission tower	Developed
130.46	130	x	65	0.19	Transmission tower	Developed
130.75	130	x	65	0.19	Transmission tower	Developed
131.03	130	x	65	0.19	Transmission tower	Developed
131.30	130	x	65	0.19	Transmission tower	Rangeland
131.56	130	x	65	0.19	Transmission tower	Rangeland
131.84	130	x	65	0.19	Transmission tower	Rangeland
132.07	130	x	65	0.19	Transmission tower	Rangeland
132.35	130	x	65	0.19	Transmission tower	Rangeland
132.62	130	x	65	0.19	Transmission tower	Rangeland
132.90	130	x	65	0.19	Transmission tower	Rangeland
132.93	206	x	50	0.24	Road crossing	Rangeland
133.00	150	x	50	0.17	Road crossing, utility crossing	Rangeland
133.01	490	x	10	0.11	Valve fence buffer	Rangeland
133.15	130	x	65	0.19	Transmission tower	Rangeland
133.42	130	x	65	0.19	Transmission tower	Rangeland
133.69	130	x	65	0.19	Transmission tower	Rangeland
133.95	130	x	65	0.19	Transmission tower	Rangeland
134.22	130	x	65	0.19	Transmission tower	Rangeland
134.46	150	x	50	0.17	Foreign pipeline, utility crossing	Rangeland
134.51	150	x	65	0.22	Transmission tower	Rangeland
134.76	130	x	65	0.19	Transmission tower	Rangeland
134.88	150	x	50	0.17	Road crossing	Rangeland
134.93	150	x	50	0.17	Road crossing	Rangeland
135.02	130	x	65	0.19	Transmission tower	Rangeland
135.28	130	x	65	0.19	Transmission tower	Rangeland
135.46	150	x	50	0.17	Road crossing	Rangeland
135.50	130	x	50	0.15	Utility crossing	Rangeland
135.54	130	x	65	0.19	Transmission tower	Rangeland
135.81	130	x	65	0.19	Transmission tower	Rangeland
136.07	130	x	65	0.19	Transmission tower	Rangeland
136.24	150	x	50	0.17	Road crossing	Rangeland
136.30	150	x	85	0.29	PI, road crossing	Rangeland
136.32	130	x	65	0.19	Transmission tower	Rangeland
136.33	162	x	85	0.32	Road crossing, dry wash crossing	Rangeland
136.38	150	x	50	0.17	Road crossing, dry wash crossing	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
136.57	130	x	80	0.24	Road crossing, transmission tower	Rangeland
136.61	150	x	50	0.17	Road crossing	Rangeland
136.81	150	x	50	0.17	Road crossing	Rangeland
136.84	130	x	65	0.19	Transmission tower	Rangeland
137.11	130	x	65	0.19	Transmission tower	Rangeland
137.37	130	x	65	0.19	Transmission tower	Rangeland
137.62	793	x	75	1.37	Road crossing, transmission tower	Rangeland
137.66	200	x	200	0.92	Truck turn around	Rangeland
137.84	100	x	100	0.23	Road crossing, dry wash crossing	Rangeland
137.87	325	x	63	0.47	Road crossing, transmission tower	Rangeland
137.90	200	x	200	0.92	Truck turn around	Rangeland
138.17	130	x	65	0.19	Transmission tower	Rangeland
138.42	130	x	65	0.19	Transmission tower	Rangeland
138.68	130	x	65	0.19	Transmission tower	Rangeland
138.92	130	x	65	0.19	Transmission tower	Rangeland
139.17	130	x	65	0.19	Transmission tower	Rangeland
139.39	150	x	50	0.17	Road crossing, dry wash crossing	Rangeland
139.43	130	x	65	0.19	Transmission tower	Rangeland
139.69	130	x	65	0.19	Transmission tower	Rangeland
139.75	250	x	25	0.14	Dry wash crossing, utility crossing	Rangeland
139.75	250	x	25	0.14	Dry wash crossing, utility crossing	Rangeland
139.91	150	x	25	0.09	PI	Rangeland
139.93	126	x	65	0.19	Transmission tower	Rangeland
139.94	130	x	50	0.15	Utility crossing	Rangeland
140.17	130	x	65	0.19	Transmission tower	Rangeland
140.45	130	x	65	0.19	Transmission tower	Rangeland
140.73	130	x	65	0.19	Transmission tower	Rangeland
141.01	130	x	65	0.19	Transmission tower	Rangeland
141.27	130	x	65	0.19	Transmission tower	Rangeland
141.52	130	x	65	0.19	Transmission tower	Rangeland
141.55	550	x	20	0.25	Dry wash crossing, utility crossing	Rangeland
141.77	130	x	65	0.19	Transmission tower	Rangeland
142.02	130	x	65	0.19	Transmission tower	Rangeland
142.09	200	x	75	0.34	Dry wash crossing	Rangeland
142.16	100	x	25	0.06	Dry wash crossing	Rangeland
142.27	130	x	65	0.19	Transmission tower	Rangeland
142.54	130	x	65	0.19	Transmission tower	Rangeland
142.69	200	x	50	0.23	Dry wash crossing	Rangeland
142.73	50	x	25	0.03	Dry wash crossing	Rangeland
142.76	100	x	25	0.06	Dry wash crossing	Rangeland
142.81	130	x	65	0.19	Transmission tower	Rangeland
143.08	130	x	65	0.19	Transmission tower	Rangeland
143.33	130	x	65	0.19	Transmission tower	Rangeland
143.56	130	x	65	0.19	Transmission tower	Rangeland
143.83	130	x	65	0.19	Transmission tower	Rangeland
144.11	130	x	65	0.19	Transmission tower	Rangeland
144.38	130	x	65	0.19	Transmission tower	Rangeland
144.64	130	x	65	0.19	Transmission tower	Rangeland
144.92	200	x	200	0.92	Truck turn around	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
144.96	178	x	50	0.20	Dry wash crossing	Rangeland
144.99	154	x	100	0.35	PI	Rangeland
145.04	250	x	200	1.15	Truck turn around	Rangeland
145.20	130	x	65	0.19	Transmission tower	Rangeland
145.48	130	x	65	0.19	Transmission tower	Rangeland
145.59	130	x	65	0.19	Transmission tower	Rangeland
145.87	130	x	65	0.19	Transmission tower	Rangeland
146.13	130	x	65	0.19	Transmission tower	Rangeland
146.38	130	x	65	0.19	Transmission tower	Rangeland
146.64	130	x	65	0.19	Transmission tower	Rangeland
146.76	130	x	65	0.19	Transmission tower	Rangeland
147.01	130	x	65	0.19	Transmission tower	Rangeland
147.03	490	x	10	0.11	Valve fence buffer	Rangeland
147.26	130	x	65	0.19	Transmission tower	Rangeland
147.51	130	x	65	0.19	Transmission tower	Rangeland
147.77	130	x	65	0.19	Transmission tower	Rangeland
148.04	130	x	65	0.19	Transmission tower	Rangeland
148.32	130	x	65	0.19	Transmission tower	Rangeland
148.55	200	x	220	1.01	Truck turn around	Rangeland
148.64	150	x	25	0.09	PI	Rangeland
148.83	130	x	65	0.19	Transmission tower	Rangeland
149.08	130	x	65	0.19	Transmission tower	Rangeland
149.36	130	x	65	0.19	Transmission tower	Rangeland
149.61	130	x	65	0.19	Transmission tower	Rangeland
149.82	200	x	200	0.92	Truck turn around	Rangeland
149.86	130	x	65	0.19	Transmission tower	Rangeland
149.90	246	x	50	0.28	Road crossing	Rangeland
149.98	125	x	50	0.14	Road crossing, utility crossing	Developed
150.14	130	x	65	0.19	Transmission tower	Developed
150.37	150	x	50	0.17	Road crossing	Developed
150.41	250	x	50	0.29	Transmission tower	Developed
150.54	227	x	50	0.26	Road crossing	Developed
150.62	154	x	50	0.18	Road crossing	Developed
150.68	130	x	65	0.19	Transmission tower	Developed
150.85	150	x	50	0.17	Road crossing	Developed
150.90	150	x	50	0.17	Road crossing	Developed
150.95	130	x	65	0.19	Transmission tower	Developed
150.98	250	x	50	0.29	Retention pond	Developed
151.07	150	x	50	0.17	Road crossing	Developed
151.12	150	x	50	0.17	Road crossing	Developed
151.22	300	x	65	0.45	Transmission tower, utility crossing	Developed
151.28	200	x	150	0.69	Truck turn around	Rangeland
151.49	130	x	65	0.19	Transmission tower	Rangeland
151.68	150	x	50	0.17	Road crossing	Rangeland
151.74	325	x	50	0.37	Road crossing, transmission tower	Rangeland
151.74	173	x	25	0.10	Utility crossing	Rangeland
151.77	490	x	10	0.11	Valve fence buffer	Rangeland
151.80	200	x	200	0.92	Hydrostatic test site section, truck turn around	Rangeland
152.02	130	x	65	0.19	Transmission tower	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
152.27	130	x	65	0.19	Transmission tower	Rangeland
152.54	130	x	65	0.19	Transmission tower	Rangeland
152.57	326	x	50	0.37	Utility crossing	Rangeland
152.60	150	x	50	0.17	PI	Rangeland
153.39	150	x	25	0.09	PI	Rangeland
153.61	150	x	25	0.09	PI	Rangeland
153.62	150	x	25	0.09	PI	Rangeland
153.71	200	x	75	0.34	Buckeye #1 dam outlet crossing	Rangeland
153.73	200	x	200	0.92	Truck turn around, dam outlet crossing	Rangeland
153.78	350	x	200	1.61	Truck turn around, Interstate 10 crossing	Rangeland
153.79	300	x	50	0.34	Interstate 10 crossing	Rangeland
153.86	200	x	200	0.92	Truck turn around, Interstate 10 crossing	Rangeland
153.86	300	x	50	0.34	Interstate 10 crossing	Rangeland
153.88	350	x	75	0.60	Interstate 10 crossing	Rangeland
153.95	150	x	25	0.09	PI	Rangeland
153.96	150	x	25	0.09	PI	Rangeland
154.11	150	x	25	0.09	PI	Rangeland
154.12	150	x	25	0.09	PI	Rangeland
154.47	75	x	50	0.09	PI	Rangeland
154.49	130	x	65	0.19	Transmission tower	Rangeland
154.77	130	x	65	0.19	Transmission tower	Developed
154.88	680	x	25	0.39	Slope	Developed
154.96	300	x	50	0.34	Slope	Developed
155.01	150	x	50	0.17	Slope	Developed
155.02	130	x	65	0.19	Transmission tower	Developed
155.18	250	x	50	0.29	Hassayampa River crossing	Rangeland
155.21	455	x	35	0.37	Hassayampa River crossing	Rangeland
155.31	130	x	65	0.19	Transmission tower	Developed
155.57	130	x	65	0.19	Transmission tower	Rangeland
155.84	130	x	65	0.19	Transmission tower	Rangeland
155.86	291	x	50	0.33	Road crossing	Rangeland
155.95	134	x	50	0.15	Road crossing	Rangeland
156.00	150	x	50	0.17	Road crossing (future)	Rangeland
156.12	130	x	65	0.19	Transmission tower	Rangeland
156.38	201	x	63	0.29	Road crossing, transmission tower	Rangeland
156.43	150	x	50	0.17	Road crossing	Rangeland
156.62	167	x	65	0.25	Transmission tower, road crossing	Rangeland
156.65	226	x	25	0.13	Road crossing	Rangeland
156.69	150	x	50	0.17	Road crossing	Rangeland
156.71	150	x	25	0.09	Road crossing	Developed
156.89	130	x	65	0.19	Transmission tower	Rangeland
156.97	150	x	50	0.17	Road crossing	Rangeland
157.00	321	x	25	0.18	Road crossing	Rangeland
157.02	48	x	50	0.06	Road crossing	Rangeland
157.05	150	x	50	0.17	Road crossing	Rangeland
157.17	182	x	65	0.27	Road crossing, transmission tower	Rangeland
157.23	150	x	50	0.17	Irrigation ditch crossing	Developed
157.36	229	x	211	1.11	Road crossing	Developed
157.43	202	x	50	0.23	Road crossing	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
157.46	131	x	65	0.20	Transmission tower	Rangeland
157.48	142	x	50	0.16	Road crossing	Rangeland
157.52	154	x	50	0.18	Road crossing	Rangeland
157.74	130	x	65	0.19	Transmission tower	Rangeland
157.98	150	x	50	0.17	Road crossing	Rangeland
158.05	150	x	65	0.22	Transmission tower	Rangeland
158.08	229	x	50	0.26	Road crossing	Rangeland
158.14	150	x	50	0.17	Road crossing	Rangeland
158.30	130	x	65	0.19	Transmission tower	Rangeland
158.58	130	x	65	0.19	Transmission tower	Rangeland
158.85	130	x	65	0.19	Transmission tower	Rangeland
159.13	130	x	65	0.19	Transmission tower	Rangeland
159.36	150	x	25	0.09	Dry wash crossing	Rangeland
159.38	154	x	65	0.23	Transmission tower	Rangeland
159.44	150	x	50	0.17	Road crossing	Rangeland
159.65	130	x	65	0.19	Transmission tower	Rangeland
159.92	130	x	65	0.19	Transmission tower	Rangeland
160.00	150	x	50	0.17	Road crossing	Rangeland
160.05	150	x	50	0.17	Road crossing	Rangeland
160.19	130	x	65	0.19	Transmission tower	Rangeland
160.45	130	x	65	0.19	Transmission tower	Rangeland
160.70	258	x	188	1.11	Transmission tower	Rangeland
161.21	200	x	200	0.92	Hydrostatic test site section, truck turn around	Rangeland
161.23	150	x	25	0.09	PI	Rangeland
162.54	50	x	100	0.11	Storage/fabrication areas for boring Dobbins Road	Rangeland
162.54	50	x	100	0.11	Storage/fabrication areas for boring Dobbins Road	Rangeland
162.56	25	x	75	0.04	Storage for PI	Rangeland
162.56	25	x	75	0.04	Storage for PI	Rangeland
162.78	63	x	125	0.18	Work around towers	Rangeland
163.06	63	x	125	0.18	Work around towers	Rangeland
163.33	63	x	125	0.18	Work around towers	Rangeland
163.56	50	x	150	0.17	Storage/fabrication areas for boring Elliot Road	Rangeland
163.56	50	x	150	0.17	Storage/fabrication areas for boring Elliot Road	Rangeland
163.66	138	x	138	0.22	Work around towers (only 1/2 of the area is extra workspace)	Rangeland
163.72	50	x	250	0.29	Storage for crossing cable	Rangeland
163.76	138	x	138	0.22	Work around towers (only 1/2 of the area is extra workspace)	Rangeland
163.87	63	x	125	0.18	Work around towers	Rangeland
163.90	50	x	50	0.06	Storage/fabrication areas for boring road	Rangeland
163.90	50	x	100	0.11	Storage/fabrication areas for boring road	Rangeland
164.05	25	x	150	0.09	Storage for PI	Rangeland
164.14	25	x	150	0.09	Storage for PI	Developed
164.18	50	x	100	0.11	Storage/fabrication areas for boring road	Developed
164.18	50	x	100	0.11	Storage/fabrication areas for boring road	Developed
165.13	75	x	300	0.52	Bore spoil	Developed
165.19	25	x	250	0.14	Storage/fabrication areas for boring railroad, road, pipeline	Developed
165.19	25	x	250	0.14	Storage/fabrication areas for boring railroad, road, pipeline	Developed
165.22	100	x	150	0.34	Storage/fabrication areas for boring road	Developed
165.38	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
165.38	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
165.60	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
165.60	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
165.90	200	x	200	0.92	Truck turn around	Rangeland
166.07	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
166.07	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
166.24	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
166.24	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
166.41	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
166.41	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
166.96	25	x	200	0.11	Storage for crossing wash	Rangeland
167.17	25	x	200	0.11	Storage for crossing wash	Rangeland
167.37	25	x	200	0.11	Storage for crossing wash	Rangeland
167.47	25	x	200	0.11	Storage for crossing wash	Rangeland
167.59	25	x	200	0.11	Storage for crossing wash	Rangeland
168.19	25	x	600	0.34	Storage for crossing wash	Rangeland
168.50	25	x	200	0.11	Storage for crossing wash	Rangeland
169.23	25	x	450	0.26	Storage for crossing pipeline	Rangeland
169.23	25	x	450	0.26	Storage for crossing pipeline	Rangeland
169.58	50	x	150	0.17	Storage/fabrication areas for boring Agua Caliente Road	Rangeland
169.58	50	x	150	0.17	Storage/fabrication areas for boring Agua Caliente Road	Rangeland
170.89	25	x	250	0.14	Storage for crossing wash	Rangeland
171.27	50	x	100	0.11	Storage/fabrication areas for boring Access Road MA-303	Rangeland
171.27	50	x	100	0.11	Storage/fabrication areas for boring Access Road MA-303	Rangeland
171.52	25	x	250	0.14	Storage for crossing wash	Rangeland
172.00	75	x	1,200	2.07	Rock storage	Rangeland
172.15	25	x	10,880	6.24	Rock storage	Rangeland
174.19	25	x	1,900	1.09	Rock storage	Rangeland
174.21	200	x	200	0.92	Truck turn around	Rangeland
174.60	100	x	150	0.34	Storage/fabrication areas for boring road and canal	Agricultural
174.60	100	x	150	0.34	Storage/fabrication areas for boring road and canal	Agricultural
174.62	25	x	500	0.29	Seed bank segregation	Agricultural
174.77	25	x	3,600	2.07	Storage for crossing Gila River	Rangeland
175.81	125	x	400	1.15	Storage for crossing Gila River	Rangeland
175.81	125	x	400	1.15	Storage/fabrication areas for boring Highway 80	Rangeland
175.96	200	x	300	1.38	Storage/fabrication areas for boring Gila Bend Canal	Agricultural
180.05	25	x	150	0.09	Storage for PI	Rangeland
180.10	50	x	250	0.29	Storage for crossing pipeline and wash	Rangeland
180.15	25	x	150	0.09	Storage for PI	Rangeland
180.30	50	x	350	0.40	Storage for crossing pipelines and road	Rangeland
180.35	250	x	250	1.43	Storage for crossing pipelines and road	Rangeland
181.58	50	x	100	0.11	Storage for crossing wash	Rangeland
181.58	50	x	100	0.11	Storage for crossing wash	Rangeland
182.03	50	x	100	0.11	Storage/fabrication areas for boring road	Agricultural
182.03	50	x	100	0.11	Storage/fabrication areas for boring road	Agricultural
182.21	75	x	350	0.60	Storage/fabrication areas for boring west side of Highway 85	Agricultural
182.30	100	x	150	0.34	Storage/fabrication areas for boring east side of Highway 85	Developed
182.33	75	x	300	0.52	Storage/fabrication areas for boring east side of Highway 85	Developed
182.76	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
182.76	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
184.92	200	x	200	0.92	Truck turn around	Rangeland
188.25	25	x	150	0.09	Storage for PI	Rangeland
188.34	25	x	150	0.09	Storage for PI	Rangeland
191.04	200	x	200	0.92	Truck turn around	Rangeland
193.41	50	x	150	0.17	Storage for crossing gas pipeline	Rangeland
193.41	50	x	150	0.17	Storage for crossing gas pipeline	Rangeland
196.50	200	x	200	0.92	Truck turn around	Rangeland
198.23	50	x	300	0.34	Storage for crossing wash	Rangeland
198.60	50	x	250	0.29	Storage for crossing wash and pipeline	Rangeland
199.40	50	x	150	0.17	Storage/fabrication areas for boring South Bullard Road	Rangeland
199.40	50	x	150	0.17	Storage/fabrication areas for boring South Bullard Road	Rangeland
199.70	50	x	100	0.11	Storage for crossing Prong Wash	Rangeland
199.70	50	x	100	0.11	Storage for crossing Prong Wash	Rangeland
199.80	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
199.80	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
200.11	50	x	100	0.11	Storage/fabrication areas for boring west side concrete canal	Rangeland
200.14	50	x	200	0.23	Storage/fabrication areas for boring east side pipeline, canal	Rangeland
200.73	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
200.73	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
200.88	15	x	100	0.03	Storage for PI	Rangeland
201.38	15	x	100	0.03	Storage for PI	Rangeland
201.62	50	x	100	0.11	Storage/fabrication areas for boring road and canal	Rangeland
201.63	50	x	100	0.11	Canal	Rangeland
203.85	200	x	200	0.92	Truck turn around	Rangeland
204.04	15	x	100	0.03	Storage for PI	Rangeland
204.70	15	x	300	0.10	Storage for PI	Rangeland
205.03	50	x	100	0.11	Storage/fabrication areas for boring road	Rangeland
205.03	50	x	100	0.11	Storage/fabrication areas for boring road	Rangeland
207.40	50	x	150	0.17	Storage/fabrication areas for boring 99th Street	Rangeland
207.40	50	x	150	0.17	Storage/fabrication areas for boring 99th Street	Rangeland
207.75	25	x	350	0.20	Storage for PI	Rangeland
207.81	75	x	350	0.60	Storage/fabrication area for boring west side Highway 238, railroad	Rangeland
207.91	25	x	100	0.06	Storage/fabrication areas for boring east side Highway 238, railroad	Rangeland
207.91	25	x	100	0.06	Storage/fabrication areas for boring east side Highway 238, railroad	Rangeland
207.92	200	x	200	0.92	Storage/fabrication areas for boring east side Highway 238, railroad	Rangeland
207.92	200	x	320	1.47	Storage/fabrication areas for boring east side Highway 238, railroad (only 1/2 of the area is extra workspace)	Rangeland
209.12	25	x	300	0.17	Storage for PI	Rangeland
209.18	50	x	150	0.17	Storage/fabrication areas for boring Access Rd MA-326A	Rangeland
209.18	50	x	150	0.17	Storage/fabrication areas for boring Access Rd MA-326A	Rangeland
209.46	50	x	150	0.17	Storage/fabrication areas for boring S 87th Street	Rangeland
209.46	50	x	150	0.17	Storage/fabrication areas for boring S 87th Street	Rangeland
210.11	50	x	150	0.17	Storage/fabrication areas for boring S 83rd Street	Rangeland
210.11	50	x	150	0.17	Storage/fabrication areas for boring S 83rd Street	Rangeland
212.19	200	x	200	0.92	Truck turn around	Rangeland
214.04	50	x	100	0.11	Storage/fabrication areas for boring road and canal	Rangeland

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
214.04	50	x	100	0.11	Storage/fabrication areas for boring road and canal	Rangeland
214.39	50	x	100	0.11	Storage/fabrication areas for boring road	Agricultural
214.39	50	x	100	0.11	Storage/fabrication areas for boring road	Agricultural
214.59	50	x	150	0.17	Storage/fabrication areas for boring Fulcar Road	Developed
214.59	50	x	150	0.17	Storage/fabrication areas for boring Fulcar Road	Developed
215.30	50	x	150	0.17	Storage/fabrication areas for boring north of Papago Road	Developed
215.38	65	x	300	0.45	Storage/fabrication areas for boring south of Papago Road	Agricultural
215.56	65	x	515	0.77	Storage for crossing pipelines and canals	Agricultural
216.00	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
216.00	50	x	100	0.11	Storage/fabrication areas for boring concrete anal	Agricultural
216.32	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
216.32	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
216.72	50	x	150	0.17	Storage/fabrication areas for boring Hidden Valley Road	Agricultural
216.72	50	x	150	0.17	Storage/fabrication areas for boring Hidden Valley Road	Agricultural
216.85	50	x	150	0.17	Storage/fabrication areas for boring Val Vista Road	Agricultural
216.85	50	x	150	0.17	Storage/fabrication areas for boring Val Vista Road	Agricultural
217.07	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
217.07	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
217.38	50	x	100	0.11	Storage/fabrication areas for boring Deer Trail Road	Rangeland
217.38	50	x	50	0.06	Storage/fabrication areas for boring Deer Trail Road	Rangeland
217.38	15	x	200	0.07	Passing near residence	Rangeland
217.52	200	x	530	2.43	Truck turn around	Rangeland
217.63	15	x	300	0.10	Passing near residence	Residential
217.68	200	x	100	0.46	Storage/fabrication areas for boring west side Santa Rosa Canal	Rangeland
217.76	15	x	150	0.05	Storage/fabrication areas for boring northwest side Santa Rosa Canal	Rangeland
217.77	100	x	150	0.34	Storage/fabrication areas for boring southeast Santa Rosa Canal	Rangeland
217.84	50	x	150	0.17	Storage for crossing wash	Rangeland
217.98	50	x	150	0.17	Storage/fabrication areas for boring west of Warren Road	Rangeland
217.99	20	x	3,000	1.38	Spoil	Residential
218.00	50	x	100	0.11	Storage/fabrication areas for boring east of Warren Road	Residential
218.06	50	x	250	0.29	Spoil	Residential
218.55	50	x	150	0.17	Storage/fabrication areas for boring west of Thunderbird Road	Agricultural
218.56	50	x	271	0.31	Storage/fabrication areas for boring east of Thunderbird Road	Agricultural
218.64	50	x	150	0.17	Storage/fabrication areas for boring south of Teel Road	Agricultural
218.83	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
218.83	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
219.12	50	x	150	0.17	Storage/fabrication areas for boring Access Road PI-302K, canal	Agricultural
219.12	50	x	150	0.17	Storage/fabrication areas for boring Access Road PI-302K, canal	Agricultural
219.15	20	x	2,950	1.35	Seed bank segregation	Agricultural
219.98	50	x	150	0.17	Storage/fabrication areas for boring road and canal	Agricultural
219.98	50	x	150	0.17	Storage/fabrication areas for boring road and canal	Agricultural
219.99	20	x	2,950	1.35	Seed bank segregation	Agricultural
220.23	50	x	150	0.17	Storage/fabrication areas for boring west side White Road	Agricultural
220.30	50	x	350	0.40	Storage/fabrication areas for boring east side White Road, canal	Developed
220.31	20	x	2,750	1.26	Seed bank segregation	Developed
220.55	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Developed
220.55	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Developed
220.80	50	x	150	0.17	Storage/fabrication areas for boring drainage ditch and roads	Developed

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
220.80	50	x	150	0.17	Storage/fabrication areas for boring drainage ditch and roads	Developed
221.09	65	x	515	0.77	Storage/fabrication areas for boring south side Miller Road, seed bank segregation, pipelines	Agricultural
221.23	65	x	450	0.67	Storage for pipeline and road crossing	Agricultural
221.41	50	x	300	0.34	Storage/fabrication areas for boring east side Amarillo Road	Agricultural
221.47	25	x	325	0.19	Storage for PI	Agricultural
221.87	50	x	150	0.17	Storage/fabrication areas for boring west side of Levee and road	Agricultural
222.07	50	x	200	0.23	Storage/fabrication areas for boring east side of Levee and road	Agricultural
222.08	20	x	2,900	1.33	Seed bank segregation	Agricultural
222.16	50	x	300	0.34	Storage for crossing pipelines and road	Agricultural
222.45	50	x	150	0.17	Storage/fabrication areas for boring Geen Road	Agricultural
222.45	50	x	150	0.17	Storage/fabrication areas for boring Geen Road	Agricultural
222.49	20	x	1,300	0.60	Seed bank segregation	Agricultural
222.73	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
222.73	50	x	100	0.11	Concrete canal	Agricultural
222.74	20	x	4,000	1.84	Seed bank segregation	Agricultural
222.83	50	x	300	0.34	Storage for crossing pipelines	Agricultural
222.84	50	x	400	0.46	Storage for PI	Agricultural
223.47	100	x	150	0.34	Storage/fabrication areas for boring west side of Highway 347	Agricultural
223.55	75	x	350	0.60	Storage/fabrication areas for boring east side of Highway 347	Agricultural
223.56	20	x	5,000	2.30	Seed bank segregation	Agricultural
223.79	25	x	250	0.14	Storage for crossing pipeline and road	Agricultural
223.79	25	x	250	0.14	Storage for crossing pipeline and road	Agricultural
224.04	25	x	250	0.14	Storage for crossing pipeline and road	Agricultural
224.04	25	x	250	0.14	Storage for crossing pipeline and road	Agricultural
224.48	50	x	150	0.17	Storage/fabrication areas for boring west side of Smith Road	Agricultural
224.56	50	x	300	0.34	Storage/fabrication areas for boring east side of Smith Road	Agricultural
224.57	20	x	5,150	2.36	Topsoil segregation	Agricultural
225.04	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
225.04	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
225.54	50	x	150	0.17	Storage/fabrication areas for boring Porter Road	Agricultural
225.54	50	x	150	0.17	Storage/fabrication areas for boring Porter Road	Agricultural
225.56	20	x	3,350	1.54	Topsoil segregation	Agricultural
226.20	50	x	100	0.11	Storage/fabrication areas for boring Access Road PI-302J	Agricultural
226.20	50	x	100	0.11	Storage/fabrication areas for boring Access Road PI-302J	Agricultural
226.21	20	x	550	0.25	Topsoil segregation	Agricultural
226.32	50	x	100	0.11	Storage/fabrication areas for boring Access Road PI-302J	Agricultural
226.32	50	x	100	0.11	Storage/fabrication areas for boring Access Road PI-302J	Agricultural
226.33	20	x	1,050	0.48	Topsoil segregation	Agricultural
226.53	50	x	150	0.17	Storage/fabrication areas for boring White and Parker Roads	Agricultural
226.53	50	x	150	0.17	Storage/fabrication areas for boring White and Parker Roads	Agricultural
226.55	20	x	1,100	0.51	Topsoil segregation	Agricultural
226.76	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
226.76	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
226.77	20	x	2,750	1.26	Topsoil segregation	Agricultural
227.08	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
227.08	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
227.09	20	x	1,050	0.48	Topsoil segregation	Agricultural
227.27	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
227.27	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
227.28	20	x	1,250	0.57	Topsoil segregation	Agricultural
227.51	50	x	150	0.17	Storage/fabrication areas for boring west side of Fuqua Road	Agricultural
227.54	100	x	250	0.57	Storage/fabrication areas for boring east side of Fuqua Road	Agricultural
227.54	100	x	250	0.57	Extra spoil	Agricultural
227.92	100	x	175	0.40	Extra spoil	Agricultural
227.96	20	x	2900	1.33	Topsoil segregation	Agricultural
228.49	50	x	150	0.17	Storage/fabrication areas for boring west side of Stanfield Road	Agricultural
228.53	50	x	200	0.23	Storage/fabrication areas for boring east side of Stanfield Road	Agricultural
228.54	20	x	2,600	1.19	Topsoil segregation	Agricultural
229.01	50	x	150	0.17	Storage/fabrication areas for boring west side of Santa Rosa Wash	Agricultural
229.09	50	x	350	0.40	Storage/fabrication areas for boring east side of Santa Rosa Wash	Agricultural
229.42	20	x	2,600	1.19	Topsoil segregation	Agricultural
229.51	50	x	150	0.17	Storage/fabrication areas for boring Murphy Road	Agricultural
229.51	50	x	150	0.17	Storage/fabrication areas for boring Murphy Road	Agricultural
229.52	20	x	2,550	1.17	Topsoil segregation	Agricultural
230.00	50	x	150	0.17	Storage/fabrication areas for boring Pala Road	Agricultural
230.00	50	x	150	0.17	Storage/fabrication areas for boring Pala Road	Agricultural
230.50	50	x	150	0.17	Storage/fabrication areas for boring Anderson Road	Residential
230.50	50	x	150	0.17	Storage/fabrication areas for boring Anderson Road	Residential
230.51	20	x	2,300	1.06	Topsoil segregation	Agricultural
230.92	50	x	500	0.57	Work around congestion	Agricultural
231.07	50	x	150	0.17	Storage/fabrication areas for boring east side of Hay Barn	Residential
231.08	20	x	2,200	1.01	Topsoil segregation	Residential
231.48	50	x	150	0.17	Storage/fabrication areas for boring west side of Russell Road	Agricultural
231.56	50	x	250	0.29	Storage/fabrication areas for boring east side of Russell Road	Agricultural
231.57	20	x	5,100	2.34	Topsoil segregation	Agricultural
231.83	25	x	300	0.17	Storage for PI	Agricultural
232.51	50	x	100	0.11	Storage/fabrication areas for boring Press Road	Agricultural
232.51	50	x	100	0.11	Storage/fabrication areas for boring Press Road	Agricultural
232.53	20	x	2,500	1.15	Topsoil segregation	Agricultural
233.00	50	x	150	0.17	Storage/fabrication areas for boring west side of Santa Cruz Wash	Developed
233.04	50	x	350	0.40	Storage/fabrication areas for boring east side of Santa Cruz Wash	Developed
233.11	200	x	200	0.92	Truck turn around	Rangeland
233.51	50	x	100	0.11	Storage/fabrication areas for boring Midway Road	Rangeland
233.51	50	x	100	0.11	Storage/fabrication areas for boring Midway Road	Rangeland
233.66	25	x	600	0.34	Storage for crossing wash	Rangeland
234.51	50	x	150	0.17	Storage/fabrication areas for boring Montgomery Road	Rangeland
234.51	50	x	150	0.17	Storage/fabrication areas for boring Montgomery Road	Rangeland
235.38	50	x	200	0.23	Storage/fabrication areas for boring Cowtown Road, railroad, pipelines	Rangeland
235.38	50	x	200	0.23	Storage/fabrication areas for boring Cowtown Road, railroad, pipelines	Rangeland
235.53	50	x	75	0.09	Storage/fabrication areas for boring west side of State Highway 238	Developed
235.55	50	x	150	0.17	Storage/fabrication areas for boring east side State Highway 238	Developed

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
236.51	50	x	300	0.34	Storage/fabrication areas for boring west side of Bianco Road	Rangeland
237.54	50	x	100	0.11	Storage/fabrication areas for boring Ethington Road	Rangeland
237.54	50	x	100	0.11	Storage/fabrication areas for boring Ethington Road	Rangeland
238.48	25	x	150	0.09	Storage for PI	Rangeland
238.49	25	x	150	0.09	Storage for PI	Rangeland
238.59	50	x	150	0.17	Storage/fabrication areas for boring west side of Access Road PI-309C	Rangeland
238.60	25	x	150	0.09	Storage/fabrication areas for boring east side of Access Road PI-309C	Rangeland
238.61	50	x	2,250	2.58	Topsoil segregation	Rangeland
238.87	50	x	150	0.17	Storage/fabrication areas for boring Access Road PI-309C	Rangeland
239.17	50	x	100	0.11	Storage/fabrication areas for boring aboveground canal	Rangeland
239.17	50	x	100	0.11	Storage/fabrication areas for boring aboveground canal	Rangeland
239.36	50	x	100	0.11	Storage/fabrication areas for boring road and launcher site	Rangeland
239.36	50	x	150	0.17	Storage/fabrication areas for boring road and launcher site	Rangeland
240.92	100	x	150	0.34	Storage/fabrication areas for boring west side of State Highway 387	Rangeland
240.99	75	x	250	0.43	Storage/fabrication areas for boring east side of State Highway 387	Agricultural
241.34	25	x	150	0.09	Storage for PI	Rangeland
241.38	25	x	150	0.09	Storage for PI	Rangeland
241.79	50	x	150	0.17	Storage/fabrication areas for boring Trekkell Road	Rangeland
241.79	50	x	150	0.17	Storage/fabrication areas for boring Trekkell Road	Rangeland
242.79	50	x	150	0.17	Storage/fabrication areas for boring Peart Road	Rangeland
242.79	50	x	150	0.17	Storage/fabrication areas for boring Peart Road	Rangeland
243.13	25	X	150	0.09	Storage for PI	Agricultural
243.64	25	x	150	0.09	Storage for PI	Rangeland
243.84	50	x	250	0.29	Storage/fabrication areas for boring west side of Henness Road, PI	Rangeland
243.86	50	x	150	0.17	Storage/fabrication areas for boring east side Henness Road	Rangeland
243.95	25	x	250	0.14	Storage for crossing pipeline	Rangeland
243.95	25	x	250	0.14	Storage for crossing pipeline	Rangeland
244.27	75	x	350	0.60	Storage/fabrication areas for boring west side of Interstate 10	Rangeland
244.55	100	x	150	0.34	Storage/fabrication areas for boring east side of Interstate 10	Rangeland
244.64	25	x	150	0.09	Storage for PI	Rangeland
244.68	50	x	100	0.11	Storage/fabrication areas for boring CoRoad	Rangeland
244.68	50	x	100	0.11	Storage/fabrication areas for boring CoRoad	Rangeland
246.11	50	x	200	0.23	Storage/fabrication areas for boring west side of levee	Rangeland
246.22	50	x	100	0.11	Storage/fabrication areas for boring east side of levee	Agricultural
246.70	50	x	150	0.17	Storage/fabrication areas for boring west side of Overfield Road	Rangeland
246.73	50	x	125	0.14	Storage/fabrication areas for boring east side of Overfield Road	Residential
246.88	50	x	100	0.11	Storage/fabrication areas for boring Overfield Drive	Residential
246.88	50	x	100	0.11	Storage/fabrication areas for boring Overfield Drive	Residential
247.23	50	x	100	0.11	Storage/fabrication areas for boring North Evans Road	Rangeland
247.23	50	x	100	0.11	Storage/fabrication areas for boring North Evans Road	Rangeland
247.74	50	x	250	0.29	Storage/fabrication areas for boring west side of Toltec Road	Agricultural
247.76	50	x	200	0.23	Storage/fabrication areas for boring east side of Toltec Road	Agricultural
247.76	50	x	200	0.23	Storage/fabrication areas for boring east side of Toltec Road	Agricultural
247.94	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
247.94	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
247.95	20	x	1,500	0.69	Topsoil segregation	Agricultural
248.23	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
248.23	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
248.24	20	x	2,550	1.17	Topsoil segregation	Agricultural
248.73	50	x	200	0.23	Storage/fabrication areas for boring Signal Peak Road	Agricultural
248.73	50	x	200	0.23	Storage/fabrication areas for boring Signal Peak Road	Agricultural
248.74	20	x	2,600	1.19	Topsoil segregation	Agricultural
249.73	50	x	100	0.11	Storage/fabrication areas for boring Curry Road	Rangeland
249.73	50	x	100	0.11	Storage/fabrication areas for boring Curry Road	Rangeland
249.76	25	x	250	0.14	Storage for crossing pipeline	Rangeland
249.76	25	x	250	0.14	Storage for crossing pipeline	Rangeland
250.24	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Developed
250.24	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Developed
250.55	20	x	950	0.44	Topsoil segregation	Developed
250.72	50	x	200	0.23	Storage/fabrication areas for boring west side of Tweedy Road	Agricultural
250.75	50	x	150	0.17	Storage/fabrication areas for boring east side of Tweedy Road	Agricultural
250.76	20	x	2,600	1.19	Topsoil segregation	Agricultural
251.07	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.07	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.25	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.25	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.26	20	x	1,300	0.60	Topsoil segregation	Agricultural
251.49	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.49	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.50	20	x	1,200	0.55	Topsoil segregation	Agricultural
251.64	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.64	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
251.72	50	x	150	0.17	Storage/fabrication areas for boring west side of Eleven Mile Road	Agricultural
251.76	50	x	200	0.23	Storage/fabrication areas for boring east side of Eleven Mile Road	Rangeland
251.77	20	x	2,500	1.15	Topsoil segregation	Rangeland
251.99	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
251.99	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.24	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.24	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.42	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.42	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.74	50	x	150	0.17	Storage/fabrication areas for boring Sunshine Blvd	Rangeland
252.74	50	x	150	0.17	Storage/fabrication areas for boring Sunshine Blvd	Rangeland
252.98	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.98	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Rangeland
252.99	20	x	4,000	1.84	Topsoil segregation	Agricultural
253.52	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
253.52	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
253.73	50	x	250	0.29	Storage/fabrication areas for boring west side of N La Palma Road	Agricultural
253.88	50	x	200	0.23	Storage/fabrication areas for boring east side of N La Palma Road	Agricultural
253.89	20	x	3,300	1.52	Topsoil segregation	Agricultural

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the Phoenix Expansion Project

State/ Facility/ Milepost	Dimensions (feet)			Area Affected (acres)	Reason for Temporary Extra Workspace	Land Use
254.51	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
254.51	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
254.52	20	x	1,200	0.55	Topsoil segregation	Agricultural
254.66	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
254.66	50	x	100	0.11	Storage/fabrication areas for boring concrete canal	Agricultural
254.72	50	x	150	0.17	Storage/fabrication areas for boring west side of State Highway 87	Agricultural
254.75	50	x	200	0.23	Storage/fabrication areas for boring east side of State Highway 87	Agricultural
254.76	20	x	1,200	0.55	Topsoil segregation	Agricultural
254.81	25	x	300	0.17	Storage for crossing pipelines	Agricultural
254.81	25	x	300	0.17	Storage for crossing pipelines	Agricultural
255.00	50	x	250	0.29	Storage/fabrication areas for boring west side of railroad and pipelines	Agricultural
255.04	25	x	150	0.09	Storage/fabrication areas for boring east side of railroad and pipelines	Agricultural
255.05	20	x	600	0.28	Topsoil segregation	Agricultural
255.06	50	x	150	0.17	Storage for crossing pipeline	Agricultural
Phoenix Lateral Subtotal			575.3			
Customer Laterals						
APS Redhawk						
0.35	25	x	150	0.09	90 degree turn to enter APS Redhawk Meter Station	Developed
0.36	25	x	10	0.01	90 degree turn to enter APS Redhawk Meter Station	Developed
SRP Desert Basin						
0.04	50	X	150	0.17	90 degree turn	Rangeland
0.28	20	X	900	0.41	Topsoil storage	Agricultural
0.45	200	X	200	0.92	Hydrostatic test site	Agricultural
0.49	50	X	150	0.17	Bore	Agricultural
0.55	50	X	150	0.17	Bore	Rangeland
0.56	75	X	250	0.43	Bore	Rangeland
Customer Laterals Subtotal			2.4			
Project Total			664.0			

TABLE E-2

Temporary and Permanent Access Roads Associated with the Phoenix Expansion Project

State/Facility/ Access Road ID ^a	Approx. Milepost	County	Improvements Required ^b	Status ^c	Length (miles)	Area Affected (acres) ^d	Comments
New Mexico							
San Juan Lateral Loop A							
SJ-1	0.2	San Juan	Yes	E-T	0.05	0.2	--
SJ-2	2.2	San Juan	Yes	E-T	0.15	0.5	--
SJ-3	Near 2.2	San Juan	Yes	E-T	0.11	0.4	Off right-of-way.
SJ-4	2.2	San Juan	Yes	E-T	0.44	1.6	--
SJ-4A	Near 2.2	San Juan	Yes	E-T	0.53	1.9	Off right-of-way.
SJ-4B	2.3	San Juan	Yes	E-T	0.70	2.5	--
SJ-5	3.2	San Juan	Yes	E-T	0.58	2.1	--
SJ-6	3.7	San Juan	Yes	E-T	0.71	2.6	--
SJ-6A	3.7	San Juan	Yes	E-T	0.34	1.2	--
SJ-7	4.6	San Juan	Yes	E-T	0.10	0.4	--
SJ-8	5.0	San Juan	Yes	E-T	0.42	1.5	--
SJ-9	5.3	San Juan	Yes	E-T	0.43	1.6	--
SJ-9A	7.8	San Juan	Yes	E-T	0.89	3.2	--
SJ-10	7.9	San Juan	Yes	E-T	1.09	4.0	--
SJ-10A	Near 7.9	San Juan	Yes	E-T	0.10	0.4	Off right-of-way.
SJ-10B	8.1	San Juan	Yes	E-T	0.08	0.3	--
SJ-11	8.8	San Juan	Yes	E-T	0.18	0.7	--
SJ-11A	8.9	San Juan	Yes	E-T	0.45	1.6	--
San Juan Lateral Loop A Subtotal					7.35	26.7	
San Juan Lateral Loop B							
MC-1	71.9	McKinley	Yes	E-T	0.09	0.3	--
MC-1A	71.9	McKinley	Yes	E-T	0.17	0.6	--
MC-1B	75.0 to 82.5	McKinley	Yes	E-T	7.58	27.6	Follows right-of-way.
MC-2	75.2	McKinley	Yes	E-T	0.38	1.4	--
MC-3	75.9	McKinley	Yes	E-T	5.02	18.3	--
MC-4	82.5	McKinley	Yes	E-T	0.36	1.3	--
MC-5	82.5	McKinley	Yes	E-T	1.65	6.0	--
MC-6	83.5	McKinley	Yes	E-T	0.65	2.4	--
MC-6A	83.6	McKinley	Yes	E-T	0.45	1.6	--
MC-6B	Near 83.6	McKinley	Yes	E-T	0.33	1.2	Off right-of-way.
MC-6C	Near 83.6	McKinley	Yes	E-T	1.01	3.7	Off right-of-way.
MC-6D	84.1	McKinley	Yes	E-T	0.35	1.3	--
MC-6E	84.2	McKinley	Yes	E-T	0.12	0.4	--
MC-6F	84.4	McKinley	Yes	E-T	0.19	0.7	--
MC-8	88.2	McKinley	Yes	E-T	1.09	4.0	--
MC-7	87.0	McKinley	Yes	E-T	0.51	1.9	--
MC-9	87.0	McKinley	Yes	E-T	0.34	1.2	--
MC-10	87.7	McKinley	Yes	E-T	0.07	0.3	--
San Juan Lateral Loop B Subtotal					20.36	74.2	
Arizona							
Phoenix Lateral							
YA-099 / FS 902	0.0	Yavapai	Yes	E-T	0.92	3.3	--
YA-100	0.0	Yavapai	Yes	E-T	1.15	4.2	--

TABLE E-2 (cont'd)

Temporary and Permanent Access Roads Associated with the Phoenix Expansion Project

State/Facility/ Access Road ID ^a	Approx. Milepost	County	Improvements Required ^b	Status ^c	Length (miles)	Area Affected ^d (acres)	Comments	
YA-101 ^e	0.0 to 32.8	Yavapai	Yes	E-T	33.73	122.7	Follows right-of-way.	
YA-102 / FS 114	1.3	Yavapai	Yes	E-T	0.69	2.5	--	
YA-103 / County Road 136	Near 2.0	Yavapai	Yes	E-T	0.28	1.0	Off right-of-way.	
YA-104 / FS 308	3.6	Yavapai	Yes	E-T	0.69	2.5	--	
YA-105 / FS 310	4.9	Yavapai	Yes	E-T	0.73	2.7	--	
YA-106 / FS 35	5.8	Yavapai	Yes	E-T	1.01	3.7	--	
YA-107 / FS 4 and 318	7.5, 8.4	Yavapai	Yes	E-T	1.44	5.2	--	
YA-108 / FS 930	10.4	Yavapai	Yes	E-T	0.38	1.4	--	
YA-108A / FS 9900B	13.8	Yavapai	Yes	E-T	1.67	6.1	--	
YA-110 /FS 186 to Hwy 71	16.2	Yavapai	Yes	E-T	1.56	5.7	--	
YA-110A / FS 9030N	16.5	Yavapai	Yes	E-T	0.20	0.7	--	
YA-110B / FS 9899N	Near 17.0	Yavapai	Yes	E-T	0.85	3.1	Off right-of-way.	
YA-110C	117.3	Yavapai	Yes	E-T	0.72	2.6	--	
YA-110D	Near 20.0	Yavapai	Yes	E-T	0.18	0.7	Off right-of-way.	
YA-110E	Near 17.0	Yavapai	Yes	E-T	0.22	0.8	Off right-of-way.	
YA-110F	16.8	Yavapai	Yes	E-T	0.17	0.6	--	
YA-113 / Hwy 137	21.0	Yavapai	Yes	E-T	4.65	16.9	--	
YA-113A / FS 9082G and 9090N	21.0, 22.8	Yavapai	Yes	E-T	1.70	6.2	--	
YA-113B / FS 638	21.5, 21.8	Yavapai	Yes	E-T	0.56	2.0	--	
YA-114 / FS 638	22.1, 23.5, 23.7	Yavapai	Yes	E-T	1.39	5.1	--	
YA-114A / FS 638	22.4	Yavapai	Yes	E-T	0.16	0.6	--	
YA-114B / FS 638	23.4	Yavapai	Yes	E-T	0.15	0.5	--	
YA-117	24, 24.8	Yavapai	Yes	E-T	1.63	5.9	--	
YA-117A	26.5, 26.7, 27.1	Yavapai	Yes	E-T	0.93	3.4	--	
YA-117B	28.2, 30.5	Yavapai	Yes	E-T	3.06	11.1	--	
YA-117C	29.2	Yavapai	Yes	E-T	0.37	1.3	--	
YA-117D	29.9	Yavapai	Yes	E-T	0.28	1.0	--	
YA-117E	30.4	Yavapai	Yes	E-T	0.10	0.4	--	
YA-119	30.5	Yavapai	Yes	E-T	2.21	8.0	--	
YA-119A	Near 31.0	Yavapai	Yes	E-T	0.22	0.8	Off right-of-way.	
YA-119C	Near 32.0	Yavapai	Yes	E-T	0.45	1.6	Off right-of-way.	
YA-120A	32.8 to 36.8	Yavapai	yes	E-T	4.46	16.2	Follows right-of-way.	

TABLE E-2 (cont'd)

Temporary and Permanent Access Roads Associated with the Phoenix Expansion Project

State/Facility/ Access Road ID ^a	Approx. Milepost	County	Improvements Required ^b	Status ^c	Length (miles)	Area Affected (acres) ^d	Comments
YA-120B	36.4, 37.9 to 38.1	Yavapai	yes	E-T	14.13	51.4	Follows right-of-way.
YA-120C	39.7	Yavapai	yes	E-T	1.24	4.5	--
YA-120D	40.1 to 40.7	Yavapai	yes	E-T	2.95	10.7	Follows right-of-way.
YA-121D	45.8	Yavapai	Yes	E-T	0.05	0.2	--
YA-123A	49.5	Yavapai	Yes	E-T	0.31	1.1	--
YA-126A	Between 48.8 and 56.7	Yavapai	Yes	E-T	3.84	14.0	Follows right-of-way.
YA-127	52.5	Yavapai	Yes	E-T	0.77	2.8	--
YA-129	53.9	Yavapai	Yes	E-T	1.96	7.1	--
YA-130	54.8	Yavapai	Yes	E-T	0.75	2.7	--
YA-131	55.5	Yavapai	Yes	E-P	1.37	5.0	--
YA-131A	56.8	Yavapai	Yes	E-P	0.11	0.4	--
YA-131B	57.2 to 62.7	Yavapai	Yes	E-P	5.17	18.8	Follows right-of-way.
YA-132	57.8	Yavapai	Yes	E-P	0.27	1.0	--
YA-132A	58.5	Yavapai	Yes	E-P	0.71	2.6	--
YA-132E	Near 59.0	Yavapai	Yes	E-P	0.94	3.4	Off right-of-way.
YA-133	58.8	Yavapai	Yes	E-P	0.30	1.1	--
YA-133A	59.2	Yavapai	Yes	E-P	0.66	2.4	--
YA-133B	59.5	Yavapai	Yes	E-P	0.83	3.0	--
YA-133C	Near 60.0	Yavapai	Yes	E-P	0.77	2.8	Off right-of-way.
YA-133D	60.1	Yavapai	Yes	E-T	0.92	3.3	--
YA-133F	60.0	Yavapai	Yes	E-T	0.18	0.7	--
YA-134	59.8 to 62.7	Yavapai	Yes	E-P	1.00	3.6	Follows right-of-way.
YA-201	63.2	Yavapai	Yes	E-T	0.79	2.9	--
YA-204	65.8, 66.2, 69.2, 71.9, 72.5, 73.3	Yavapai	No	E-T	11.33	41.2	Antelope Creek Road.
YA-204A	69.2	Yavapai	Yes	N-P	0.08	0.3	Access to valve.
YA-206	68.2	Yavapai	No	E-T	1.16	4.2	Duffers Road.
YA-207	Near 71.0	Yavapai	No	E-T	3.28	11.9	Off right-of-way. Bloody Basin Road.
YA-207A	71.9	Yavapai	Yes	E-T	0.29	1.1	--
YA-208	Between 74.5 and 82.8	Yavapai	No	E-T	9.69	35.2	Crown King Road, off right-of-way, generally parallels pipeline.
YA-208A	81.7	Yavapai	Yes	N-P	0.04	0.1	Access to valve.
YA-209	77.3	Yavapai	Yes	E-T	0.54	2.0	--
YA-210	78.6	Yavapai	Yes	E-T	0.44	1.6	--
YA-211	Near 80.6	Yavapai	Yes	E-T	1.01	3.7	Off right-of-way.
YA-211A	80.6	Yavapai	Yes	E-T	0.17	0.6	--
YA-212	84.8, 86.2	Yavapai	Yes	E-T	5.25	19.1	From Access Road YA-208 (+/- MP 82.7) to +/- MP 85.6.
YA-212		Yavapai	No	E-T		0.0	Maggie Mine Road.
YA-213	87.6	Yavapai	Yes	E-P	0.21	0.8	Access to valve.
YA-214	90.0	Yavapai	Yes	E-T	0.26	0.9	--
MA-200	93.4, 93.5, 95.0	Maricopa	Yes	E-P	2.48	9.0	Access to valve and launcher/ receiver site at MP 95.2.

TABLE E-2 (cont'd)

Temporary and Permanent Access Roads Associated with the Phoenix Expansion Project

State/Facility/ Access Road ID ^a	Approx. Milepost	County	Improvements Required ^b	Status ^c	Length (miles)	Area Affected (acres) ^d	Comments
MA-200		Maricopa	No	E-P	1.50	5.5	Table Mesa Road.
MA-201	96.3	Maricopa	Yes	E-T	0.87	3.2	--
MA-202	96.9 to 100.0	Maricopa	Yes	E-T	4.01	14.6	Follows right-of-way.
MA-203	100.0	Maricopa	Yes	E-T	0.61	2.2	--
MA-204	101.3	Maricopa	Yes	E-T	0.29	1.1	--
MA-205	104.3	Maricopa	Yes	E-P	0.86	3.1	Access to valve.
MA-205A	104.3	Maricopa	Yes	N-P	0.04	0.1	Access to valve.
MA-206	106.0	Maricopa	Yes	E-T	0.95	3.5	--
MA-207	107.2	Maricopa	Maybe	E-T	0.06	0.2	--
MA-208	109.1	Maricopa	Maybe	E-T	0.21	0.8	--
MA-209	110.1	Maricopa	Yes	E-T	0.72	2.6	--
MA-210	110.6	Maricopa	Maybe	E-T	0.18	0.7	--
MA-211	110.9	Maricopa	No	E-T	2.28	8.3	Carefree Drive.
MA-212	112.2	Maricopa	Yes	E-T	2.74	10.0	--
MA-212A	Near 112.2	Maricopa	Yes	E-T	0.38	1.4	Off right-of-way.
MA-213	112.4, 113.5, 113.6, 113.7	Maricopa	Yes	E-T	3.61	13.1	--
MA-214	116.6	Maricopa	Yes	E-T/P	2.31	8.4	Access to valve.
MA-214A	114.7	Maricopa	Yes	N-P	0.03	0.1	Access to valve.
MA-215	116.6	Maricopa	No	E-T	0.10	0.4	Jomax Road.
MA-216	117.8	Maricopa	Yes	E-T	5.94	21.6	--
MA-216A	121.9	Maricopa	Yes	E-T	0.20	0.7	--
MA-218	122.8	Maricopa	Yes	E-T	0.87	3.2	--
MA-219	123.0	Maricopa	Yes	E-T	1.43	5.2	--
MA-219A	123.1	Maricopa	Yes	E-P	0.13	0.5	Access to valve.
MA-220	125.0	Maricopa	Yes	E-T	0.54	2.0	--
MA-221	125.9	Maricopa	Yes	E-T	0.59	2.1	--
MA-222	127.5	Maricopa	Yes	E-T	1.53	5.6	--
MA-223	130.0 to 133.0	Maricopa	Yes	E-T	2.99	10.9	Follows right-of-way.
MA-224	133.0	Maricopa	Yes	E-T/P	0.97	3.5	--
MA-224A	133.0	Maricopa	Yes	N-P	0.04	0.1	Access to valve.
MA-225	134.8, 135.6, 136.2	Maricopa	Yes	E-T	4.39	16.0	--
MA-227	137.4	Maricopa	Yes	E-T	0.17	0.6	--
MA-227A	137.7	Maricopa	Yes	N-P	0.01	0.0	Access to meter station.
MA-228	139.8 to 141.6	Maricopa	Yes	E-T	7.61	27.7	Follows the right-of-way.
MA-229	140.0	Maricopa	Yes	E-T	0.78	2.8	--
MA-230	141.6	Maricopa	Yes	E-T	0.44	1.6	--
MA-230A	147.0	Maricopa	Yes	N-P	0.06	0.2	Access to valve.
MA-231	147.5	Maricopa	Yes	E-T	0.07	0.3	--
MA-232	148.5	Maricopa	Yes	E-T	0.20	0.7	--
MA-232A	148.5	Maricopa	Yes	N-P	0.01	0.0	Access to meter station.
MA-233	153.7	Maricopa	Yes	E-T	1.72	6.3	--
MA-233A	151.8	Maricopa	Yes	N-P	0.08	0.3	Access to valve.

TABLE E-2 (cont'd)

Temporary and Permanent Access Roads Associated with the Phoenix Expansion Project

State/Facility/ Access Road ID ^a	Approx. Milepost	County	Improvements Required ^b	Status ^c	Length (miles)	Area Affected (acres) ^d	Comments
MA-300	165.1	Maricopa	No	E-P	2.12	7.7	Maintained, dirt/gravel road.
MA-302	169.2	Maricopa	No	E-T	0.65	2.4	Maintained dirt road along powerline.
MA-303	171.4	Maricopa	No	E-T	0.81	2.9	Maintained dirt road.
MA-303A	Near 171.4	Maricopa	No	E-P	0.96	3.5	Maintained dirt/gravel road, off right-of-way.
MA-305A	Near 172.0	Maricopa	No	E-P	2.89	10.5	Maintained dirt road (passenger vehicle only), off right-of-way.
MA-305B	173.8	Maricopa	No	E-P	0.29	1.1	Maintained dirt road (passenger vehicle only).
MA-306	174.5	Maricopa	No	E-P	0.42	1.5	Maintained, gravel road (Enterprise Road).
MA-306A	174.5	Maricopa	Yes	E-P	0.67	2.4	--
MA-309A	176.8	Maricopa	Yes	E-P	0.67	2.4	--
MA-310	176.8 to 212.8	Maricopa	No	E-P	35.49	129.1	Maintained dirt road (passenger vehicle only), follows right-of-way.
MA-312A	180.2	Maricopa	Yes	E-P	1.88	6.8	--
MA-319	193.3	Maricopa	Yes	E-P	2.14	7.8	--
MA-326A	209.2	Maricopa	No	E-P	0.75	2.7	Maintained dirt road.
PI-300	212.8 to 214.1, 217.3 to 218.5, 233.0 to 235.2, 236.5 to 238.5	Pinal	No	E-P	11.86	43.1	Maintained dirt road (passenger vehicle only), follows right-of-way.
PI-300A	214.1	Pinal	Yes	E-P	0.30	1.1	--
PI-301D	217.8	Pinal	No	E-T	0.47	1.7	Levee roads.
PI-302B	219.8	Pinal	No	E-P	0.71	2.6	Maintained dirt road (passenger vehicle only).
PI-302F	219.1	Pinal	No	E-P	0.17	0.6	Maintained dirt road (passenger vehicle only).
PI-302G	221.3	Pinal	No	E-P	0.14	0.5	Amarillo Valley Road.
PI-302H	224.5	Pinal	Yes	E-P	1.17	4.3	--
PI-302I	224.5	Pinal	Yes	E-P	1.17	4.3	--
PI-302J	225.5 to 226.5	Pinal	No	E-P	1.00	3.6	Usable farm road. Follows right-of-way.
PI-302K	219.1	Pinal	No	E-T	0.18	0.7	Usable farm road.
PI-303	229.0	Pinal	Yes	E-P	1.03	3.7	--
PI-304	229.1	Pinal	Yes	E-P	1.05	3.8	--
PI-305	231.5	Pinal	No	E-P	0.49	1.8	Usable farm road.
PI-306	233.0	Pinal	Yes	E-P	1.02	3.7	--
PI-307A	235.4	Pinal	Yes	E-P	1.11	4.0	--
PI-309A	239.2	Pinal	Yes	E-P	1.49	5.4	--
PI-309B	Near 239.2	Pinal	Yes	N-P	0.04	0.1	Access to meter station.
PI-309C	238.9	Pinal	No	E-P	1.49	5.4	Access to meter station.
PI-311A	255.0	Pinal	Yes	E-T	0.26	0.9	--

TABLE E-2 (cont'd)

Temporary and Permanent Access Roads Associated with the Phoenix Expansion Project

State/Facility/ Access Road ID ^a	Approx. Milepost	County	Improvements Required ^b	Status ^c	Length (miles)	Area Affected (acres) ^d	Comments
PI-312	255.1	Pinal	Yes/No	N/E-P	0.36	1.3	Existing meter station access road. Farm road would need to be relocated and used as access.
				Phoenix Lateral Subtotal	272.93	992.3	
				Project Total	300.64	1,093.2	

^a Forest Service (FS) roads noted, where applicable.

^b Improvements may include grading, surfacing, and widening turns to accommodate trucks.

^c E = Existing; N = New; T = Temporary; P = Permanent

^d Acres are conservative and are based on a disturbance width of 30 feet.

^e YA-101 includes segments of FS 306 North end, FS 311 South end, FS 9031 until Highway 186 south of FS 9082K to 9082E, FS 9028F to Highway 137, FS 638 to end of Prescott National Forest.