

APPENDIX F

Permanent and Temporary Access Roads

APPENDIX F

Permanent and Temporary Access Roads

Facility / Access Road ID <u>a</u>	MP	County, State	Temp / Perm	Existing / New	Existing Surface/ Land Type <u>b</u>	Length (ft)	Estimated Width (ft) <u>c</u>	Estimated Acres	Comments
Berne Lateral									
OH-MO-BRS-001.970-PAR-1	0.01	Monroe, OH	Perm	New	OP	326	25	0.19	Berne MS access
Burgettstown Lateral									
PA-WA-HL-042.500-TAR-2N	1.4	Washington, PA	Temp	Existing	Gravel	1,446	15	0.5	
WV-HA-009.000-PAR-2	12.56	Hancock, WV	Perm	New	OP	216	20	0.1	MLV-02 access
OH-JE-008.521-TAR-4N	16.24	Jefferson, OH	Temp	Existing	Dirt	563	10	0.13	
OH-JE-011.000-PAR-3	17.99	Jefferson, OH	Perm	Existing	Gravel	827	20	0.38	MLV-03 access
OH-JE-012.000-TAR-6	18.14	Jefferson, OH	Temp	Existing	Dirt	343	15	0.12	
OH-JE-052.000-TAR-9	24.55	Jefferson, OH	Temp	Existing	Dirt	2,381	10	0.55	
				New	AG	242	10	0.06	
OH-JE-079.000-TAR-10	29.53	Jefferson, OH	Temp	Existing	Asphalt	938	15	0.32	
OH-JE-087.000-TAR-11	31.3	Jefferson, OH	Temp	Existing	Gravel	1,524	10	0.35	
OH-JE-098.000-PAR-4	35.08	Jefferson, OH	Perm	Existing	Gravel	450	25	0.26	MLV-04 access
OH-CA-010.000-TAR-14	36.82	Carroll, OH	Temp	Existing	Gravel	768	10	0.18	
OH-CA-036.000-PAR-5N	43.18	Carroll, OH	Perm	Existing	Dirt	217	20	0.1	MLV-05 access
OH-CA-049.000-TAR-16	45.76	Carroll, OH	Temp	Existing	Gravel	1,233	35	0.99	
OH-CA-083.000-TAR-17	50.73	Carroll, OH	Temp	Existing	Gravel	371	8	0.07	
Cadiz Lateral									
OH-HA-MC-002.970- PAR-1A	0	Harrison, OH	Perm	New	OP	1,051	25	0.6	Cadiz CS access
OH-HA-MC-003.970-TAR-1	0.45	Harrison, OH	Temp	Existing	Dirt	2,466	7	0.4	
OH-HR-004.000-PAR-1	3.33	Harrison, OH	Perm	Existing	Gravel	3,266	20	1.5	Cadiz Tie-In access. Also used for Clarington Lateral and Supply Connector access.
OH-HA-CC-027.970-PAR-24	3.34	Harrison, OH	Perm	New	OP	3,749	20	1.72	Cadiz Tie-In access. Also used for Clarington Lateral and Supply Connector access.

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CGT Lateral									
WV-DO-SHC-006.970-PAR-1	0	Doddridge, WV	Perm	Existing	Gravel	1,499	20	0.69	CGT/Sherwood Tie-In access Also used for Sherwood Lateral
WV-DO-SHB-001.970-TAR-1	0.18	Doddridge, WV	Temp	Existing	Dirt	813	8	0.18	
WV-DO-SHB-009.970-TAR-1A	0.83	Doddridge, WV	Temp	Existing	Dirt	4,565	15	1.57	
WV-DO-SHB-010.970-TAR-2	1.01	Doddridge, WV	Temp	Existing	Gravel	3,083	25	1.77	
				New	OP/FO	668	10	0.16	
WV-DO-SHB-017.970-TAR-3A	3.05	Doddridge, WV	Temp	Existing	Gravel	5,427	12	1.5	
WV-DO-SHB-021.970-TAR-4	4.09	Doddridge, WV	Temp	Existing	Gravel	5,842	10	1.34	
WV-DO-SHB-026.970-TAR-5	5.08	Doddridge, WV	Temp	Existing	Gravel	1,294	15	0.45	
				New	OP/FO	165	10	0.04	
Clarington Lateral									
OH-BE-CC-020.970-TAR-3	4.72	Belmont, OH	Temp	Existing	Gravel	677	8	0.12	
OH-BE-CC-021.970-TAR-4	4.87	Belmont, OH	Temp	Existing	Gravel	3,353	12	0.92	
OH-BE-CC-022.970-TAR-5	5.11	Belmont, OH	Temp	Existing	Dirt	520	8	0.1	
OH-BE-CC-024.970-TAR-6	5.58	Belmont, OH	Temp	Existing	Dirt	9,369	15	3.23	
OH-BE-CC-043.970-TAR-6A	7.96	Belmont, OH	Temp	Existing	Gravel	176	8	0.03	
OH-BE-CC-048.970-TAR-8	9.26	Belmont, OH	Temp	Existing	Dirt	1,733	10	0.4	
OH-BE-CC-049.970-TAR-9	9.92	Belmont, OH	Temp	Existing	Dirt	2,837	8	0.52	
OH-BE-CC-049.972-TAR-11	10.46	Belmont, OH	Temp	Existing	Gravel	1,157	8	0.21	
OH-BE-CC-059.970-PAR-12A	11.75	Belmont, OH	Perm	New	OP/FO	309	20	0.14	Majorsville Tie-In access
OH-BE-CC-063.970-TAR-13	12.96	Belmont, OH	Temp	Existing	Asphalt	1,001	8	0.18	
OH-BE-CC-069.970-TAR-13A	14.23	Belmont, OH	Temp	Existing	Dirt	2,771	20	1.27	
OH-BE-CC-075.970-TAR-13B	15.44	Belmont, OH	Temp	Existing	Dirt	2,538	10	0.58	
OH-BE-CC-080.970-TAR-14	16.29	Belmont, OH	Temp	Existing	Gravel	4,074	10	0.94	

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OH-BE-CC-100.970-TAR-14B	18.4	Belmont, OH	Temp	Existing	Gravel	2,078	10	0.48	
OH-BE-CC-107.970-TAR-14C	19.07	Belmont, OH	Temp	Existing	Gravel	1,272	10	0.29	
OH-BE-CC-113.970-TAR-14D	20.4	Belmont, OH	Temp	Existing	Dirt	1,874	10	0.43	
OH-BE-CC-118.970-PAR-15	21.57	Belmont, OH	Perm	Existing	Gravel	1,474	20	0.68	MLV-02 access
				New	OP/FO	159	20	0.07	
OH-BE-CC-127.970-TAR-16	22.27	Belmont, OH	Temp	Existing	Gravel	689	6	0.09	
OH-BE-CC-131.970-TAR-16A	23.31	Belmont, OH	Temp	Existing	Gravel	1,328	10	0.3	
OH-BE-CC-139.970-TAR-18	24.67	Belmont, OH	Temp	Existing	Gravel	3,239	16	1.19	
OH-BE-CC-143.970-TAR-19	25.95	Belmont, OH	Temp	Existing	Gravel	2,552	25	1.46	
OH-HA-CC-004.970-TAR-19A	27.22	Harrison, OH	Temp	Existing	Gravel	789	20	0.36	
OH-HA-CC-008.970-TAR-19B	28.05	Harrison, OH	Temp	Existing	Dirt	1,425	10	0.33	
OH-HA-CC-020.970-TAR-19C	30.31	Harrison, OH	Temp	Existing	Dirt	963	10	0.22	
OH-HA-CC-021.970-TAR-20	30.72	Harrison, OH	Temp	Existing	Gravel	1,064	6	0.15	
OH-HA-CC-024.970-TAR-22	31.48	Harrison, OH	Temp	Existing	Gravel	1,423	8	0.26	
OH-HA-CC-027.970-PAR-24	32.2	Harrison, OH	Perm	New	OP	3,749	20	1.72	Cadiz Tie-In access. Also used for Cadiz Lateral and Supply Connector access.
OH-HR-004.000-PAR-1	32.87	Harrison, OH	Perm	Existing	Gravel	3,266	20	1.5	Cadiz Tie-In access. Also used for Cadiz Lateral and Supply Connector access.
Majorsville Lateral									
WV-MA-ML-004.970-PAR-1	0.35	Marshall, WV	Perm	Existing	Gravel	837	25	0.48	Majorsville MS access
WV-MA-ML-007.971-TAR-1B	0.64	Marshall, WV	Temp	Existing	Gravel	5,883	10	1.35	
WV-MA-ML-010.970-TAR-1C	1.17	Marshall, WV	Temp	Existing	Gravel	2,723	15	0.94	
WV-MA-ML-011.970-PAR-1D	1.38	Marshall, WV	Perm	New	FO/OP	1,028	25	0.59	Majorsville CS access
WV-MA-ML-013.970-TAR-2	1.64	Marshall, WV	Temp	Existing	Gravel	1,631	15	0.56	
WV-MA-ML-014.970-TAR-2A	1.96	Marshall, WV	Temp	Existing	Gravel	4,561	15	1.57	
WV-MA-ML-018.970-TAR-2B	2.62	Marshall, WV	Temp	Existing	Dirt	4,204	10	0.97	
WV-MA-ML-024.970-TAR-3	4.31	Marshall, WV	Temp	Existing	Gravel	598	10	0.14	
WV-MA-ML-030.970-TAR-5	6.11	Marshall, WV	Temp	Existing	Asphalt	1,498	10	0.34	
				New	OP	150	10	0.03	

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WV-MA-ML-037.970-TAR-6	6.98	Marshall, WV	Temp	Existing	Gravel	1,445	10	0.33	
WV-MA-ML-039.970-TAR-6A	7.55	Marshall, WV	Temp	Existing	Gravel	1,543	10	0.35	
				New	OP	400	10	0.09	
WV-MA-ML-043.970-TAR-6B	8.3	Marshall, WV	Temp	Existing	Dirt	5,352	10	1.23	
WV-MA-ML-044.970-TAR-6D	8.69	Marshall, WV	Temp	Existing	Gravel	4,692	12	1.29	
WV-MA-ML-053.970-TAR-7	10.13	Marshall, WV	Temp	Existing	Gravel	2,999	10	0.69	
				New	OP/FO	315	10	0.07	
WV-MA-ML-055.970-PAR-7A	10.63	Marshall, WV	Perm	Existing	Dirt	1,071	20	0.49	MLV-02 access
				New	OP/FO	195	20	0.09	
WV-MA-ML-070.970-TAR-7B	11.94	Belmont, OH	Temp	Existing	Dirt	432	6	0.06	
OH-BE-ML-001.970-TAR-7A	12.46	Belmont, OH	Temp	Existing	Asphalt	1,310	20	0.6	
				New	FO/OP	300	10	0.07	
OH-BE-ML-025.970-PAR-9	14.07	Belmont, OH	Perm	Existing	Dirt	789	20	0.36	MLV-03 access
OH-BE-ML-029.970-TAR-10	14.45	Belmont, OH	Temp	Existing	Gravel	602	10	0.14	
OH-BE-ML-032.970-TAR-11	14.73	Belmont, OH	Temp	Existing	Gravel	128	10	0.03	
OH-BE-ML-043.971-TAR-13	17.29	Belmont, OH	Temp	Existing	Dirt	1,818	12	0.5	
OH-BE-ML-043.970-TAR-12	17.69	Belmont, OH	Temp	Existing	Dirt	704	8	0.13	
OH-BE-ML-045.970-TAR-14	17.94	Belmont, OH	Temp	Existing	Gravel	3,481	15	1.2	
OH-BE-ML-047.970-TAR-15	18.29	Belmont, OH	Temp	Existing	Gravel	3,518	8	0.65	
OH-BE-ML-048.970-TAR-16	18.78	Belmont, OH	Temp	Existing	Gravel	3,540	15	1.22	
OH-BE-ML-049.970-TAR-17	18.97	Belmont, OH	Temp	Existing	Gravel	1,837	10	0.41	
OH-BE-ML-057.970-TAR-18	20.64	Belmont, OH	Temp	Existing	Gravel	1,707	12	0.47	
				New	FO/OP	85	10	0.02	
OH-BE-ML-062.970-TAR-19	21.72	Belmont, OH	Temp	Existing	Dirt	2,223	10	0.51	
OH-BE-ML-076.970-PAR-12A	23.55	Belmont, OH	Perm	New	OP/FO	309	20	0.14	Majorsville Tie-In access Also used for Clarrington Lateral

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REX Interconnecting Pipeline									
OH-NO-004.970-PAR-1	0.18	Noble, OH	Perm	New	FO	810	20	0.37	REX Tie-In access
				Existing	Gravel	418	20	0.19	
Seneca Lateral									
OH-NO-SCL-010.970-TAR-0A	1.33	Noble, OH	Temp	New	OP	2,499	10	0.57	
				Existing	Dirt	210	10	0.05	
OH-MO-SCL-008.970-TAR-1	2.83	Monroe, OH	Temp	New	OP/FP	511	12	0.14	
				Existing	Gravel	1,207	12	0.33	
OH-MO-SCL-015.970-TAR-1A	4.37	Monroe, OH	Temp	New	AG	645	10	0.15	
				Existing	Gravel	1,951	8	0.36	
OH-MO-SCL-017.970-TAR-2	5.06	Monroe, OH	Temp	Existing	Gravel	2,346	25	1.35	
OH-MO-SCL-019.970-TAR-3	5.64	Monroe, OH	Temp	Existing	Gravel	923	10	0.21	
OH-MO-SCL-021.970-TAR-3A	5.91	Monroe, OH	Temp	Existing	Gravel	1,080	10	0.25	
OH-MO-SCL-027.970-TAR-4	6.28	Monroe, OH	Temp	Existing	Gravel	1,906	10	0.44	
OH-MO-SCL-041.970-TAR-7	8.62	Monroe, OH	Temp	Existing	Dirt	1,175	9	0.24	
OH-MO-SCL-045.970-PAR-7A	9.83	Monroe, OH	Perm	New	OP	846	25	0.49	Madison MS access
				Existing	Gravel	963	25	0.55	
OH-MO-SCL-049.970-TAR-7B	10.61	Monroe, OH	Temp	New	AG/FO	1,933	25	1.11	
				Existing	Dirt	1,131	10	0.26	
OH-MO-SCL-055.970-TAR-8	11.96	Monroe, OH	Temp	Existing	Gravel	391	12	0.11	
OH-MO-SCL-058.970-TAR-9	12.65	Monroe, OH	Temp	Existing	Gravel	1,471	15	0.51	
OH-MO-SCL-058.971-TAR-10	12.8	Monroe, OH	Temp	New	FO/OP	140	10	0.03	
				Existing	Dirt	1,133	15	0.39	
OH-MO-SCL-067.970-TAR-10A	13.9	Monroe, OH	Temp	New	AG/FO/OP	1,996	10	0.46	
OH-MO-SCL-081.970-TAR-11	15.52	Monroe, OH	Temp	Existing	Gravel	4,868	6	0.67	
OH-MO-SCL-091.970-TAR-12	17.55	Monroe, OH	Temp	Existing	Dirt	1,020	12	0.28	
OH-MO-SCL-102.970-TAR-13	19.42	Monroe, OH	Temp	Existing	Dirt	4,246	25	2.44	
OH-MO-SCL-104.970-TAR-14	19.64	Monroe, OH	Temp	Existing	Dirt	1,215	25	0.7	

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OH-MO-SCL-106.970-TAR-15	20.12	Monroe, OH	Temp	Existing	Gravel	2,029	10	0.47	
OH-MO-SCL-109.970-TAR-16	20.89	Monroe, OH	Temp	Existing	Dirt	3,215	15	1.11	
OH-MO-SCL-110.970-TAR-16A	21.25	Monroe, OH	Temp	New	AG/FO/OP	1,661	10	0.38	
				Existing	Gravel	920	10	0.21	
OH-MO-SCL-116.970-TAR-17	22.15	Monroe, OH	Temp	New	FO/OP	361	10	0.08	
				Existing	Gravel	772	9	0.16	
OH-MO-SCL-118.970-PAR-17A	22.58	Monroe, OH	Perm	New	OP	1,301	25	0.75	Gulfport MS access
				Existing	Dirt	150	25	0.09	
OH-MO-SCL-126.970-TAR-18	23.94	Monroe, OH	Temp	New	OP/FO	1,102	10	0.25	
OH-MO-SCL-127.970-TAR-19	24.29	Monroe, OH	Temp	Existing	Dirt	723	10	0.17	
OH-MO-SCL-130.970-TAR-19A	25.03	Monroe, OH	Temp	Existing	Dirt	736	12	0.2	
OH-MO-SCL-131.970-PAR-21	25.57	Monroe, OH	Perm	Existing	Asphalt	550	25	0.32	Clarington A MS access
				New	OP	312	25	0.18	
OH-MO-SCL-131.970-TAR-21	25.6	Monroe, OH	Temp	Existing	Asphalt	421	15	0.14	
Sherwood Lateral									
WV-DO-SHC-001.970-PAR-1	0	Doddridge, WV	Perm	Existing	Gravel	1,700	25	0.98	Sherwood CS access
				Existing	Dirt	2,000	25	1.15	
WV-DO-002.970-TAR-0	0.98EQ	Doddridge, WV	Temp	Existing	Gravel	6,190	15	2.13	
WV-DO-SHC-006.970-PAR-1	1.51EQ	Doddridge, WV	Perm	Existing	Gravel	1,499	20	0.69	CGT/Sherwood Tie-In access
									Also used for CGT Lateral
WV-DO-SHC-011.970-TAR-2	1.01	Doddridge, WV	Temp	Existing	Gravel	3,885	12	1.07	
WV-DO-SHC-015.970-TAR-3	1.97	Doddridge, WV	Temp	Existing	Gravel	4,814	15	1.66	
WV-DO-SHC-019.970-TAR-4	3.36	Doddridge, WV	Temp	New	FO/OP	992	10	0.23	
				Existing	Dirt	2,122	8	0.39	
WV-DO-SHC-021.971-TAR-6	3.86	Doddridge, WV	Temp	New	FO	180	10	0.04	
				Existing	Gravel	6,990	10	1.6	

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WV-DO-SHC-024.970-TAR-7	4.33	Doddridge, WV	Temp	Existing	Gravel	1,498	9	0.31	
WV-DO-SHC-030.970-TAR-9	5.25	Doddridge, WV	Temp	Existing	Dirt	1,439	10	0.33	
WV-DO-SHC-040.970-TAR-10	6.86	Doddridge, WV	Temp	Existing	Rock	2,060	10	0.47	
WV-DO-SHC-043.970-TAR-10A	7.47	Doddridge, WV	Temp	Existing	Dirt	2,735	10	0.63	
WV-DO-SHC-048.970-TAR-10B	8.61	Doddridge, WV	Temp	New	OP/FO	689	10	0.16	
WV-TY-SHC-002.970-TAR-11	9.15	Tyler, WV	Temp	New	FO	437	10	0.1	
WV-TY-SHC-005.970-TAR-12	9.64	Tyler, WV	Temp	New	FO/OP	190	10	0.04	
				Existing	Gravel	824	10	0.19	
WV-TY-SHC-006.970-TAR-13	9.91	Tyler, WV	Temp	Existing	Gravel	543	10	0.12	
WV-TY-SHC-009.970-TAR-14	10.24	Tyler, WV	Temp	Existing	Dirt	635	7	0.1	
WV-TY-SHC-011.970-TAR-15	10.66	Tyler, WV	Temp	Existing	Gravel	835	10	0.19	
WV-TY-SHC-014.970-TAR-16	11.37	Tyler, WV	Temp	Existing	Gravel	460	10	0.11	
WV-TY-SHC-016.970-TAR-16A	11.83	Tyler, WV	Temp	Existing	Gravel	333	10	0.08	
WV-TY-SHC-017.970-TAR-17	11.98	Tyler, WV	Temp	Existing	Rock	1,519	8	0.28	
WV-TY-SHC-019.970-TAR-18	12.77	Tyler, WV	Temp	Existing	Gravel	2,489	15	0.86	
WV-TY-SHC-024.970-TAR-20	13.5	Tyler, WV	Temp	Existing	Gravel	643	10	0.15	
WV-TY-SHC-026.970-TAR-21	13.68	Tyler, WV	Temp	Existing	Gravel	404	10	0.09	
WV-TY-SHC-026.970-TAR-21A	13.8	Tyler, WV	Temp	Existing	Dirt	1,602	12	0.44	
WV-TY-SHC-026.971-TAR-21B	13.98	Tyler, WV	Temp	Existing	Dirt	4,065	15	1.4	
WV-TY-SHC-027.970-TAR-22	14.4	Tyler, WV	Temp	Existing	Dirt	885	10	0.2	
WV-TY-SHC-030.971-TAR-24	15.61	Tyler, WV	Temp	Existing	Dirt	813	10	0.19	
WV-TY-SHC-036.970-PAR-24A	16.55	Tyler, WV	Perm	New	FO/OP	144	20	0.07	MLV-02 access
WV-TY-SHC-039.970-TAR-25	16.96	Tyler, WV	Temp	Existing	Dirt	3,220	8	0.59	
WV-TY-SHC-042.970-TAR-25A	17.6	Tyler, WV	Temp	Existing	Dirt	382	10	0.09	
WV-TY-SHC-043.970-TAR-25B	17.93	Tyler, WV	Temp	New	OP	786	10	0.18	

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WV-TY-SHC-045.970-TAR-25C	18.43	Tyler, WV	Temp	New	FO/OP	198	10	0.05	
				Existing	Gravel	654	15	0.23	
WV-TY-SHC-045.970-TAR-26	18.66	Tyler, WV	Temp	Existing	Dirt	4,773	15	1.64	
WV-TY-SHC-047.970-TAR-26A	18.82	Tyler, WV	Temp	Existing	Dirt	490	15	0.17	
WV-TY-SHC-054.970-TAR-27	20.38	Tyler, WV	Temp	New	OP/FO	650	10	0.15	
				Existing	Dirt	2,792	10	0.64	
WV-TY-SHC-058.970-TAR-27A	20.73	Tyler, WV	Temp	Existing	Gravel / Dirt	4,388	12	1.21	
WV-TY-SHC-059.970-TAR-27B	22.21	Tyler, WV	Temp	Existing	Dirt	6,880	10	1.58	
WV-TY-SHC-065.970-TAR-28A	22.36	Tyler, WV	Temp	New	FO/OP	250	10	0.06	
				Existing	Dirt	1,217	10	0.28	
WV-TY-SHC-066.970-TAR-29	22.59	Tyler, WV	Temp	New	OP/FO	383	10	0.09	
				Existing	Dirt	3,437	14	1.1	
WV-TY-SHC-069.970-PAR-30	23.68	Tyler, WV	Perm	Existing	Gravel	6,286	20	2.89	Operations access to pipeline
WV-TY-SHC-075.971-TAR-30B	25.76	Tyler, WV	Temp	Existing	Dirt	4,468	12	1.23	
WV-TY-SHC-080.970-TAR-30C	26.77	Tyler, WV	Temp	New	FO/OP	300	10	0.07	
				Existing	Dirt	2,249	8	0.41	
WV-TY-SHC-088.970-TAR-31	28.02	Tyler, WV	Temp	Existing	Asphalt	3,729	12	1.03	
WV-TY-SHC-094.970-PAR-32	29.14	Tyler, WV	Perm	New	FO/OP	1,020	20	0.47	MLV-03 access
				Existing	Dirt	1,135	20	0.52	
WV-TY-SHC-097.970-TAR-32A	29.41	Tyler, WV	Temp	New	OP	140	10	0.03	
				Existing	Gravel	354	12	0.1	
WV-TY-SHC-099.970-TAR-32B	29.78	Tyler, WV	Temp	New	FO	1,756	10	0.4	
				Existing	Dirt	1,967	10	0.45	
WV-TY-SHC-100.970-TAR-32C	30.12	Tyler, WV	Temp	Existing	Dirt	2,185	10	0.5	
WV-TY-SHC-105.970-TAR-33	30.82	Tyler, WV	Temp	Existing	Dirt	1,363	8	0.25	
WV-TY-SHC-110.970-TAR-33B	31.73	Tyler, WV	Temp	New	FO	3,021	10	0.69	
				Existing	Dirt	1,020	10	0.23	
WV-WE-SHC-001.970-TAR-33D	33.01	Wetzel, WV	Temp	Existing	Gravel	2,838	10	0.65	

APPENDIX F (continued)

Permanent and Temporary Access Roads

Facility / Access Road ID <u>a</u>	MP	County, State	Temp / Perm	Existing / New	Existing Surface/ Land Type <u>b</u>	Length (ft)	Estimated Width (ft) <u>c</u>	Estimated Acres	Comments
OH-MO-SHC-006.970-PAR-34	35.34	Monroe, OH	Perm	New	FO/OP	356	20	0.16	MLV-04 access
				Existing	Gravel	125	20	0.06	
OH-MO-SHC-014.970-TAR-34A	36.18	Monroe, OH	Temp	New	FO	100	10	0.02	
				Existing	Dirt	311	10	0.07	
OH-MO-SHC-017.970-TAR-34B	36.47	Monroe, OH	Temp	New	OP	497	10	0.11	
				Existing	FO	1,140	10	0.26	
OH-MO-SHC-031.970-TAR-34C	38.38	Monroe, OH	Temp	New	OP	1,095	10	0.25	
				Existing	Dirt	890	10	0.2	
OH-MO-SHC-033.970-TAR-34D	38.94	Monroe, OH	Temp	New	OP	750	10	0.17	
				Existing	Dirt	1,387	10	0.32	
OH-MO-SHC-036.970-TAR-34E	39.74	Monroe, OH	Temp	New	FO/OP	1,065	10	0.24	
OH-MO-SHC-040.970-TAR-35	40.63	Monroe, OH	Temp	Existing	Gravel	400	10	0.09	
OH-MO-SHC-046.970-TAR-36	41.93	Monroe, OH	Temp	Existing	Gravel	2,978	6	0.41	
OH-MO-SHC-048.971-PAR-38	42.56	Monroe, OH	Perm	New	OP/AG	700	20	0.32	MLV-05 access
				Existing	Dirt	2,110	20	0.97	
OH-MO-SHC-058.970-TAR-39A	44.54	Monroe, OH	Temp	New	OP/FO	1,762	10	0.4	
OH-MO-SHC-066.970-TAR-40	46.62	Monroe, OH	Temp	Existing	Asphalt	582	15	0.2	
OH-MO-SHC-066.970-TAR-40A	47.14	Monroe, OH	Temp	New	OP/AG	955	10	0.22	
				Existing	Gravel	245	10	0.06	
OH-MO-SHC-066.971-TAR-41A	47.75	Monroe, OH	Temp	New	OP/AG	1,242	10	0.29	
				Existing	Dirt	1,452	10	0.33	
OH-MO-SHC-083.970-TAR-43	51.87	Monroe, OH	Temp	Existing	Dirt	1,959	12	0.54	
Supply Connector A and B									
OH-HA-CC-027.970-PAR-24	0	Harrison, OH	Perm	New	OP	3,749	20	1.72	Cadiz Tie-In access. Also used for Clarington and Cadiz Lateral access.
OH-HR-004.000-PAR-1	0	Harrison, OH	Perm	Existing	Gravel	3,267	20	1.5	Cadiz Tie-In access. Also used for Clarington and Cadiz Lateral access.
OH-HR-019.000-TAR-3	6.43	Harrison, OH	Temp	Existing	Dirt	302	20	0.14	
OH-HR-022.000-TAR-4	7.14	Harrison, OH	Temp	Existing	Asphalt	445	15	0.15	

APPENDIX F (continued)									
Permanent and Temporary Access Roads									
Facility / Access Road ID <u>a</u>	MP	County, State	Temp / Perm	Existing / New	Existing Surface/ Land Type <u>b</u>	Length (ft)	Estimated Width (ft) <u>c</u>	Estimated Acres	Comments
OH-HR-029.000-PAR-2	10.08	Harrison, OH	Perm	Existing	Rock	895	25	0.51	MLV-02 access
				New	AG	93	20	0.04	
OH-HR-035.000-TAR-5	12.32	Harrison, OH	Temp	Existing	Gravel	528	15	0.18	
OH-HR-042.545-TAR-6	14.93	Harrison, OH	Temp	Existing	Gravel	582	15	0.2	
OH-HR-042.570-TAR-7	15.81	Harrison, OH	Temp	New	OP	107	10	0.02	
				<i>Sub-Total: Supply Laterals</i>		<i>370,801 ft. (70.3 mi.)</i>		<i>107.12</i>	
Mainlines A/B									
OH-CA-001.000-PAR-3	18.74	Carroll, OH	Perm	New	AG	451	25	0.26	Mainline CS 1 access
OH-CA-022.000-TAR-8	22.38	Carroll, OH	Temp	Existing	Gravel	480	15	0.17	
OH-TU-039.530-PAR-4	36.82	Tuscarawas, OH	Perm	New	AG	238	20	0.11	MLV-04 access
OH-ST-007.000-TAR-9A	38.84	Stark, OH	Temp	Existing	Gravel	245	15	0.08	
OH-ST-007.000-TAR-10	39.25	Stark, OH	Temp	Existing	Asphalt	1,237	15	0.43	
OH-ST-045.000-PAR-5	49.96	Stark, OH	Perm	New	AG	248	20	0.11	MLV-05 access
OH-WA-037.000-PAR-6	61.19	Wayne, OH	Perm	Existing	Dirt	145	20	0.07	MLV-06 access
				New	OP	236	20	0.11	
OH-WA-083.0000-PAR-7	73.96	Wayne, OH	Perm	New	AG	252	20	0.12	MLV-07 access
OH-WA-099.000-PAR-8	77.37	Wayne, OH	Perm	New	AG	377	25	0.22	Mainline CS 2 access
OH-AS-040.000-PAR-9	90.97	Ashland, OH	Perm	New	AG	575	20	0.26	MLV-10 access
OH-AS-043.000-TAR-12	91.65	Ashland, OH	Temp	New	AG	589	10	0.14	
OH-RI-024.000-PAR-10	102.1	Richland, OH	Perm	New	AG	242	20	0.11	MLV-11 access
OH-RI-041.000-TAR-12A	107.28	Richland, OH	Temp	New	AG	284	20	0.13	
OH-CR-015.000-PAR-11	118.3	Crawford, OH	Perm	New	AG	245	20	0.11	MLV-12 access
OH-CR-044.000-TAR-13	125.95	Crawford, OH	Temp	New	AG	1,257	10	0.29	
OH-CR-054.000-PAR-12	128.06	Crawford, OH	Perm	New	AG	271	25	0.16	Mainline CS 3 access
OH-SE-057.000-PAR-13	144.31	Seneca, OH	Perm	New	AG	235	20	0.11	MLV-15 access
OH-HA-012.000-PAR-14	157.62	Hancock, OH	Perm	New	AG	244	20	0.11	MLV-16 access
OH-WO-055.000-PAR-15	174.11	Wood, OH	Perm	New	AG	255	20	0.12	MLV-17 access
OH-HE-024.000-PAR-16	189.78	Henry, OH	Perm	New	AG	268	20	0.12	MLV-18 access

APPENDIX F (continued)

Permanent and Temporary Access Roads

Facility / Access Road ID <u>a</u>	MP	County, State	Temp / Perm	Existing / New	Existing Surface/ Land Type <u>b</u>	Length (ft)	Estimated Width (ft) <u>c</u>	Estimated Acres	Comments
Mainline A									
OH-DE-004.000-PAR-17	202.11	Defiance, OH	Perm	New	AG	229	20	0.11	MLV-19 access
OH-DE-032.000-PAR-18	208.92	Defiance, OH	Perm	Existing	Rock	77	25	0.04	ANR MS access
				New	AG/OP	250	25	0.14	
OH-DE-035.000-PAR-19	209.19	Defiance, OH	Perm	New	AG	353	25	0.2	Defiance CS access
OH-DE-035.000-PAR-19A	209.4	Defiance, OH	Perm	New	AG	322	25	0.18	Defiance CS access
				<i>Sub-Total: Mainlines</i>		<i>9,605 ft. (1.8 mi.)</i>		<i>4</i>	
Market Segment									
OH-FU-022.000-PAR-1	17.16	Fulton, OH	Perm	New	AG	241	20	0.11	MLV-02 access
MI-LE-018.000-PAR-002	30.64	Lenawee, MI	Perm	New	AG	118	20	0.05	MLV-03 access
MI-LE-029.000-TAR-032	33.57	Lenawee, MI	Temp	Existing	Dirt	2,394	20	1.1	
MI-LE-047.000-TAR-03	38.02	Lenawee, MI	Temp	Existing	Dirt	1,231	10	0.28	
MI-LE-096.500-TAR-34	47.65	Lenawee, MI	Temp	Existing	Gravel	3,344	20	1.54	
MI-LE-100.000-PAR-003	48.98	Lenawee, MI	Perm	New	AG	121	20	0.06	MLV-04 access
MI-LE-123.000-TAR-005	54.38	Lenawee, MI	Temp	Existing	Dirt	1,184	20	0.54	
MI-WA-014.000-PAR-004	58.82	Washtenaw, MI	Perm	New	OP/FO	109	20	0.05	MLV-05 access
MI-WA-015.000-TAR-40	59.48	Washtenaw, MI	Temp	New	AG	1,957	30	1.35	
MI-WA-032.000-TAR-26	62.9	Washtenaw, MI	Temp	Existing	Gravel	1,082	12	0.3	
MI-WA-054.000-TAR-8	67.21	Washtenaw, MI	Temp	Existing	Dirt	451	17	0.18	
MI-WA-056.000-TAR-8A	67.47	Washtenaw, MI	Temp	Existing	Dirt	513	12	0.14	
MI-WA-057.000-PAR-005	67.97	Washtenaw, MI	Perm	New	AG	202	20	0.09	MLV-06 access
MI-WA-090.500-TAR-27	74.73	Washtenaw, MI	Temp	Existing	Gravel	2,409	30	1.66	
MI-WA-091.510-PAR-005A	75.06	Washtenaw, MI	Perm	Existing	Gravel	1,938	75	3.34	Consumers MS access
MI-WA-111.510-PAR-006	81.01	Washtenaw, MI	Perm	New	AG	156	20	0.07	MLV-07 access

APPENDIX F (continued)									
Permanent and Temporary Access Roads									
Facility / Access Road ID <u>a</u>	MP	County, State	Temp / Perm	Existing / New	Existing Surface/ Land Type <u>b</u>	Length (ft)	Estimated Width (ft) <u>c</u>	Estimated Acres	Comments
MI-LI-001.000-TAR-23	84.48	Livingston, MI	Temp	Existing	Dirt	956	20	0.44	
MI-LI-022.520-PAR-007	87.87	Livingston, MI	Perm	New	FO/OP	2,077	20	0.95	MLV-08 access
MI-LI-024.510-TAR-28	88.52	Livingston, MI	Temp	Existing	Asphalt	1,328	20	0.61	
MI-LI-025.000-TAR-12A	89.15	Livingston, MI	Temp	Existing	Gravel	409	10	0.09	
MI-LI-025.000-TAR-12	89.84	Livingston, MI	Temp	Existing	Asphalt	1,318	27	0.82	
MI-LI-073.501-TAR-30	96.19	Livingston, MI	Temp	Existing	Dirt	708	30	0.49	
MI-LI-082.000-TAR-31	98.82	Livingston, MI	Temp	Existing	Dirt	221	30	0.15	
MI-LI-084.500-PAR-008	99.99	Livingston, MI	Perm	Existing	Dirt	227	75	0.39	Vector MS access
<i>Sub-Total: Market Segment</i>						<i>24,694 ft. (4.7 mi.)</i>		<i>14.8</i>	
TOTAL						405,100 ft. (76.7 mi.)		125.9	
<p>a PAR = Permanent Access Road; TAR = Temporary Access Road.</p> <p>b OP = Open; FO = Forest; AG = Agriculture</p> <p>c Where the estimated width is greater than 20 or 25 feet for the Permanent Access Roads (e.g., 75 feet), the additional width beyond a nominal roadway width of 20 or 25 feet will be used for the installation of electric powerlines (see Resource Report 1, Section 1.11.1).</p> <p>* Access Roads that would be used for more than one segment of the Project are listed under each corresponding lateral or mainline segment.</p>									