

APPENDIX E

**TEMPORARY EXTRA WORKSPACES ASSOCIATED
WITH THE HUBLINE/EAST TO WEST PROJECT**

TABLE E-1

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
Massachusetts						
I-10 Extension						
0.00	0.08	435 x 195	2.6	Commercial	Staging area to support contractor mobilization/demobilization, installation of the proposed pig launcher and over-pressure protection (OPP) regulator station, as well as the Weymouth Fore River horizontal directional drill (HDD) activities.	Additional justification needed (see section 4.3.2.9)
0.01	0.07	350 x 155	0.4	Commercial	Staging area to support contractor mobilization/demobilization, installation of the proposed pig launcher, as well as the Weymouth Fore River HDD activities.	Additional justification needed (see section 4.3.2.9)
1.18	1.37	1,015 x 70	1.9	Open Land	Staging area for the Weymouth Fore River HDD, rock storage, and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
1.18	1.20	120 x 5	<0.1	Commercial	Staging area for the Weymouth Fore River HDD.	Approved
1.29	1.31	90 x 120	0.2	Residential/ Forested	Staging area for remote blow-off valve installation.	Pending alternative analysis (see section 3.6.2)
1.33	1.57	1,465 x 65	2.1	Forested	Staging area for fabrication of the Weymouth Fore River HDD pullback section.	Approved
1.37	1.48	560 x 25	0.3	Open Land	Justification Needed ^b	Pending submittal of a site-specific justification
1.48	1.52	460 x 5	0.1	Open Land	Justification Needed ^b	Pending submittal of a site-specific justification
1.55	1.57	105 x 50	0.1	Open Land	Staging area for Broad Street crossing.	Approved
1.60	1.63	155 x 110	0.4	Open Land	Staging area for Broad Street/wetland crossing.	Approved
1.70	1.84	755 x 30	0.5	Residential	Additional workspace for rock storage, wetland crossings, access road entry, and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
1.91	1.93	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
2.02	2.10	435 x 395	3.6	Forested/Open Land	Laydown/staging area in previously cleared area.	Approved
2.04	2.13	470 x 50	0.5	Open Land	Additional workspace for rock storage, wetland crossings, and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
2.13	2.15	100 x 70	0.2	Open Land	Additional workspace for rock storage, wetland crossings, access road entry, and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
2.23	2.25	130 x 40	0.1	Commercial	Staging area for wetland crossings.	Approved
2.30	2.36	180 x 70	0.2	Commercial	Staging area for Washington Street (Route 53) crossing and additional workspace for pipeline installation through a commercial parking lot.	Approved
2.31	2.33	100 x 25	0.1	Commercial	Staging area for Washington Street (Route 53) crossing.	Approved
2.35	2.35	25 x 10	<0.1	Commercial	Staging area for Washington Street (Route 53) crossing and additional workspace for pipeline installation through a commercial parking lot.	Approved
2.38	2.39	75 x 30	0.1	Commercial	Additional workspace for pipeline installation through commercial parking lot and to support construction through a section of reduced right-of-way width.	Approved
2.40	2.47	345 x 50	0.2	Commercial	Additional workspace for grading of moderate side slope and to support construction through a section of reduced right-of-way width.	Approved
2.41	2.76	1,940 x 60	1.8	Commercial	Additional workspace for pipeline installation through a commercial parking lot, access road entry, and construction travel lane.	Approved
2.64	2.66	120 x 50	0.1	Commercial	Additional workspace for pipeline installation through a commercial parking lot and prefabrication of pipeline side bends.	Approved
2.76	2.76	110 x 50	0.1	Open Land	Justification Needed ^b	Pending submittal of a site-specific justification
2.86	2.89	160 x 45	0.1	Open Land	Staging area for wetland/Front Street crossing.	Approved
2.90	2.99	485 x 75	0.8	Open Land	Staging area for Front Street crossing, wetland crossing, and to maintain access between powerline tower structures.	Approved
3.16	3.22	255 x 65	0.5	Forested	Staging area for access road entry and Southeast Expressway (Route 3) crossing.	Additional justification needed for the 90x40 portion of this extra workspace
3.18	3.22	205 x 50	0.2	Forested	Staging area for Southeast Expressway (Route 3) crossing.	Approved
3.27	3.31	80 x 50	0.1	Forested	Staging area for Southeast Expressway (Route 3) crossing.	Approved
3.28	3.32	235 x 150	0.5	Forested	Staging area for Southeast Expressway (Route 3) crossing.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
3.56	3.58	95 x 50	0.1	Open Land	Staging area for access road entry.	Approved
3.81	3.82	75 x 20	<0.1	Open Land	Staging area for Summer Street crossing.	Approved
3.81	3.84	150 x 95	0.2	Commercial	Staging area for Summer Street crossing.	Approved
3.82	3.91	380 x 50	0.4	Forested	Staging area for Summer Street crossing, travel lane around severe side slope, and wetland/intermittent stream crossing.	Pending submittal of a site-specific request and justification (see sections 4.3.2.9 and 4.4.3)
3.93	4.09	910 x 35	0.7	Commercial	Additional workspace for rock storage, wetland crossings, and travel lane around wetlands.	Additional justification needed (see section 4.4.3)
4.14	4.25	545 x 200	2.0	Commercial	Staging area for Commerce Drive crossing and equipment/material storage in a previously cleared area.	Approved
4.15	4.25	490 x 25	0.3	Commercial	Staging area for Commerce Drive crossing and equipment/material storage in a previously cleared area.	Approved
4.25	4.29	185 x 50	0.2	Commercial	Staging area for Commerce Drive/ MBTA Railroad crossings.	Additional justification needed (see section 4.4.3)
4.26	4.28	135 x 65	0.2	Commercial	Staging area for Commerce Drive/ MBTA Railroad crossings.	Approved
4.29	4.36	355 x 50	0.4	Forested	Staging area for MBTA Railroad/ Grove Street, Columbian Street crossings.	Approved
4.30	4.32	105 x 50	0.1	Open Land	Staging area for MBTA Railroad/ Grove Street, Columbian Street crossings.	Approved
4.38	4.44	275 x 60	0.4	Open Land	Staging area for Grove Street, Columbian Street crossing, wetland crossings, and to maintain construction travel lane around existing powerline tower.	Approved
4.40	4.44	185 x 15	0.1	Forested	Additional workspace for rock storage.	Additional justification needed (see section 4.4.3)
4.44	4.51	395 x 35	0.3	Open Land	Additional workspace for wetland crossings, and to maintain construction travel lane around existing powerline tower.	Approved
4.59	4.66	345 x 35	0.3	Open Land	Additional workspace for wetland crossings, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, and grading of moderate side slope.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
4.71	4.98	1,355 x 35	1.1	Open Land	Additional workspace for wetland crossing, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, access around existing powerline towers, and Teaberry Lane crossing.	Approved
4.86	4.98	635 x 15	0.2	Forested	Additional workspace for rock storage.	Additional justification needed (see section 4.4.3)
4.98	5.01	140 x 90	0.2	Forested	Staging area for Teaberry Lane crossing.	Approved
4.99	5.16	900 x 70	1.4	Open Land	Additional workspace for Teaberry Lane crossing, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, access around existing powerline towers, and Devon Woods Drive crossing.	Approved
5.16	5.18	120 x 50	0.1	Open Land	Staging area for Devon Woods Drive crossing and wetland crossing.	Approved
5.22	5.22	95 x 15	<0.1	Forested/Open Land	Justification Needed ^b	Pending submittal of a site-specific request and justification (see section 4.4.3)
5.23	5.26	115 x 55	0.1	Open Land	Staging area for wetland crossing and access around existing powerline tower.	Approved
5.32	5.61	1,520 x 55	1.8	Open Land	Additional workspace for wetland crossing, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, and access around existing powerline towers.	Approved
5.68	5.85	920 x 35	0.8	Open Land	Additional workspace for wetland crossing, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, and access around existing powerline towers.	Approved
5.69	5.77	395 x 50	0.3	Open Land	Additional workspace for wetland crossing, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, and access around existing powerline towers.	Approved
5.89	6.03	795 x 50	1.0	Open Land	Additional workspace for wetland crossings, rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, and access around existing powerline towers.	Approved
6.12	6.13	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
6.37	6.45	375 x 175	1.2	Open Land	Staging area for Pine Street crossing, access road entry, and construction travel lane around existing powerline towers.	Approved
6.41	6.43	135 x 40	0.1	Forested	Staging area for Pine Street crossing.	Additional justification needed. Consider modifying workspace configuration to maintain visual screening.
6.47	6.50	165 x 65	0.1	Open Land	Staging area for Pine Street crossing and wetland crossing.	Approved
6.70	6.75	175 x 35	0.1	Residential	Staging area for Damon Avenue crossing.	Approved
6.72	6.75	200 x 60	0.2	Residential	Staging area for Damon Avenue, Tumbling Brook, and N. Franklin Street crossings.	Approved
6.76	6.78	85 x 5	<0.1	Residential	Staging area for North Franklin Street crossing and wetland crossing.	Approved
6.80	7.00	1,040 x 15	0.5	Forested	Additional workspace for rock storage and wetland crossings.	Approved
7.02	7.12	460 x 15	0.2	Forested	Additional workspace for rock storage and wetland crossing.	Additional justification needed (see section 4.4.3)
7.10	7.23	635 x 145	2.4	Forested/Open Land	Staging area for wetland crossing, mainline valve installation, and equipment/material storage in a previously cleared area.	Approved
7.45	7.47	145 x 15	0.1	Forested	Additional workspace for rock storage.	Approved
7.42	7.42	80 x 15	<0.1	Forested	Justification Needed ^b	Pending submittal of a site-specific request and justification
7.48	7.61	650 x 50	0.7	Open Land	Additional workspace for rock storage, to accommodate lower height spoil stockpiles due to working under powerlines, and access around existing powerline towers.	Approved
7.58	7.65	340 x 10	0.1	Open Land	Additional workspace for rock storage and Scott Street crossing.	Approved
7.64	7.64	90 x 15	<0.1	Open Land	Justification Needed ^b	Pending submittal of a site-specific request and justification
7.64	7.80	785 x 45	0.8	Forested	Additional workspace for Scott Street crossing, to accommodate lower height spoil stockpiles due to working under powerlines, access around existing powerline towers, and wetland crossing.	Additional justification needed (see section 4.4.3)

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
7.66	7.71	315 x 30	0.1	Open Land	Additional workspace for Scott Street crossing.	Approved
7.79	7.85	205 x 140	0.5	Open Land	Staging area for wetland crossing, hydrostatic testing activities, and Centre Street.	Additional justification needed (see sections 4.3.2.9 and 4.4.3)
7.82	7.86	230 x 40	0.2	Forested	Staging area for Centre Street crossing and MBTA Railroad crossing.	Approved
7.84	7.89	200 x 95	0.4	Commercial	Staging area for Centre Street crossing and MBTA Railroad crossing.	Approved
7.87	7.91	200 x 25	0.1	Commercial	Staging area for MBTA Railroad, Cochato River, and Mill Street crossings.	Approved
7.88	7.92	180 x 40	0.2	Commercial	Staging area for MBTA Railroad, Cochato River, and Mill Street crossings.	Approved
7.91	7.97	260 x 80	0.3	Residential	Staging area for Mill Street and Fairfield Road crossings adjacent to Wyman Road.	Approved
7.93	8.01	400 x 70	0.6	Open Land	Staging area for Mill Street and Fairfield Road crossings, and rock storage.	Approved
8.00	8.10	595 x 20	0.2	Residential	Additional workspace for Fairfield Road crossing and wetland crossing.	Approved
8.01	8.09	470 x 35	0.4	Residential	Additional workspace for Fairfield Road crossing, wetland crossing, and Union Street.	Approved
8.10	8.13	115 x 50	0.1	Residential	Staging area for Union Street crossing.	Approved
8.11	8.17	285 x 35	0.3	Residential	Staging area for Union Street crossing, Boothby Circle crossing, and construction travel lane around existing powerline towers.	Approved
8.19	8.20	85 x 45	0.1	Residential	Staging area for Union Street crossing, Boothby Circle crossing, and construction travel lane around existing powerline towers.	Approved
8.30	8.38	385 x 50	0.4	Open Land	Staging area for wetland/Mary Lee Brook crossing, rock storage, and South Street crossing.	Approved
8.37	8.39	105 x 50	0.1	Forested	Staging area for South Street crossing.	Approved
8.39	8.53	615 x 35	0.4	Residential	Additional workspace for wetland crossing, severe side slope, and rock storage.	Approved
8.40	8.42	120 x 20	0.1	Residential	Staging area for South Street crossing and wetland crossing.	Approved
8.50	8.51	100 x 55	0.1	Open Land	Staging area for wetland crossing.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
8.40	8.50	~535 x 35	0.4	Open Land	Staging area for wetland crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
8.51	8.58	330 x 20	0.1	Open Land	Additional workspace for rock storage and moderate side slope.	Approved
8.59	8.72	715 x 20	0.3	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
8.73	8.87	760 x 20	0.2	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
8.90	8.92	105 x 40	0.1	Open Land	Staging area for South Main Street crossing.	Approved
8.93	8.95	100 x 20	0.1	Residential	Staging area for South Main Street crossing.	Approved
8.93	9.00	365 x 45	0.2	Residential	Staging area for South Street crossing and Highland Avenue crossing.	Approved pending decreasing size of workspace to avoid vegetative screening.
9.01	9.03	125 x 70	0.2	Residential	Staging area for Highland Avenue and residential construction techniques.	Approved
9.18	9.21	155 x 50	0.2	Residential	Staging area for wetland/unnamed stream crossings.	Approved
9.21	9.25	230 x 25	0.1	Residential	Additional workspace for access around existing powerline towers.	Approved
9.35	9.37	75 x 65	0.1	Residential	Additional workspace for access around existing powerline towers and staging area for Fitch Terrace.	Approved
9.37	9.40	105 x 40	0.1	Residential	Staging area for Fitch Terrace crossing.	Approved
9.40	9.50	495 x 30	0.3	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
9.51	9.53	105 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
9.52	9.53	55 x 5	<0.1	Open Land	Staging area for wetland crossing.	Approved
9.68	9.69	40 x 15	<0.1	Forested	Staging area for wetland/Three Swamp Brook crossing and rock storage.	Approved
9.69	9.72	85 x 45	0.1	Commercial	Additional workspace for rock storage.	Approved
9.69	9.70	70 x 70	0.1	Open Land	Additional workspace for rock storage and steep vertical slope.	Approved
9.70	9.72	100 x 15	<0.1	Forested	Additional workspace for rock storage and steep vertical slope.	Approved
9.94	9.96	120 x 15	<0.1	Commercial	Additional workspace for workspace crossover.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
10.19	10.24	195 x 50	0.2	Commercial	Staging area for Route 24 crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
10.21	10.25	190 x 65	0.3	Commercial	Staging area for Route 24 crossing.	Approved
10.27	10.29	100 x 50	0.1	Commercial	Staging area for Route 24 crossing and pipeline installation adjacent to Page Street.	Approved
10.27	10.30	115 x 65	0.1	Commercial	Staging area for Route 24 crossing and pipeline installation adjacent to Page Street.	Approved
10.46	10.56	410 x 15	0.2	Commercial	Additional workspace for rock storage and construction travel lane around an existing powerline tower.	Approved
10.60	10.61	95 x 65	0.1	Commercial	Staging area for Maple Street crossing.	Approved
10.60	10.60	35 x 10	<0.1	Commercial	Staging area for Maple Street crossing.	Approved
10.61	10.70	480 x 15	0.2	Commercial	Additional workspace for severe side slope.	Approved
10.61	10.63	95 x 50	0.1	Commercial	Staging area for Maple Street crossing.	Approved
10.69	10.82	710 x 15	0.2	Commercial	Additional workspace for rock storage.	Approved
10.82	10.84	95 x 70	0.2	Commercial	Staging area for wetland/Turnpike Street crossing.	Approved
10.85	10.88	155 x 15	0.1	Forested	Additional workspace for wetland/ Turnpike Street crossing.	Approved
10.88	10.90	100 x 65	0.1	Forested	Staging area for wetland/Turnpike Street crossing.	Additional justification needed (see section 4.4.3)
10.90	10.95	240 x 15	0.1	Forested	Additional workspace for rock storage.	Approved
10.95	10.97	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
11.08	11.14	100 x 15	<0.1	Forested	Staging area for wetland crossing and rock storage.	Approved
11.14	11.15	80 x 65	0.1	Forested	Staging area for wetland crossing.	Approved
11.15	11.23	435 x 15	0.2	Forested	Additional workspace for rock storage.	Approved
11.23	11.25	100 x 65	0.1	Forested	Staging area for wetland crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
11.36	11.38	100 x 50	0.1	Forested	Staging area for wetland crossings.	Approved
11.42	11.44	100 x 65	0.1	Forested	Staging area for wetland crossing.	Additional justification needed (see section 4.4.3)

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
11.45	11.76	1,675 x 15	0.6	Forested	Additional workspace for rock storage and moderate side slopes.	Pending submittal of a site-specific request and justification (see section 4.4.3)
11.44	11.46	~150 x 20	0.1	Forested	Staging area for wetland crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
11.71	11.74	150 x 70	0.3	Forested	Staging area for hydrostatic testing activities and access road entry.	Approved
11.76	11.85	475 x 15	0.2	Forested	Additional workspace for rock storage.	Pending submittal of a site-specific request and justification (see section 4.4.3)
11.85	12.19	1,770 x 15	0.6	Forested	Additional workspace for rock storage and moderate side slopes.	Additional justification needed (see section 4.4.3)
12.20	12.37	875 x 15	0.3	Forested	Additional workspace for rock storage and moderate side slopes.	Additional justification needed (see section 4.4.3)
12.35	12.38	120 x 10	<0.1	Forested	Staging area for Indian Lane crossing.	Approved
12.37	12.38	90 x 45	0.1	Forested	Staging area for Indian Lane crossing.	Approved
12.38	12.44	290 x 30	0.2	Residential	Additional workspace for rock storage.	Additional justification needed. Not identified as an area where blasting would be needed.
12.39	12.45	305 x 50	0.2	Residential	Staging area for wetland crossing and equipment/material storage in a previously cleared area.	Approved
12.49	12.50	100 x 65	0.1	Forested	Staging area for wetland crossing.	Approved
12.50	12.73	1,305 x 15	0.4	Forested	Additional workspace for rock storage, moderate side slopes, and wetland crossing.	Additional justification needed (see section 4.4.3)
12.80	12.88	705 x 210	1.9	Forested	Staging area to support contractor mobilization/demobilization and access road entry.	Approved
12.76	12.88	665 x 15	0.3	Forested	Additional workspace for rock storage.	Additional justification needed (see section 4.4.3)
	I-10 Extension Subtotal		53.8			Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
Q-1 System Replacement						
12.24	12.33	505 x 50	0.6	Forested	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher and OPP regulator station.	Approved
12.46	12.53	395 x 15	0.1	Open Land	Additional workspace for working side crossover.	Approved
12.95	12.96	100 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
13.02	13.08	355 x 50	0.4	Open Land	Staging area for wetland crossing and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
13.12	13.14	100 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
13.30	13.32	100 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
13.35	13.37	100 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
13.46	13.49	200 x 100	0.5	Open Land	Staging area for Moosehill Street crossing, to accommodate lower height spoil stockpiles due to working under powerlines, and to prepare a level work area.	Approved
13.49	13.52	145 x 50	0.1	Open Land	Staging area for Moosehill Street crossing.	Approved
13.52	13.55	195 x 50	0.2	Open Land	Staging area for Moosehill Street/wetland crossing.	Approved
13.62	13.76	740 x 50	0.8	Open Land	Staging area for wetland crossing, to maintain construction travel lane outside of wetland area, access road entry, and rock storage.	Pending submittal of a site-specific request and justification (see section 4.4.3)
13.77	13.87	540 x 50	0.6	Open Land	Staging area for wetland/Traphole Brook crossing, to maintain construction travel lane outside of wetland area, access road entry, and rock storage.	Pending submittal of a site-specific request and justification (see section 4.4.3)
14.00	14.01	50 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
14.05	14.05	80 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
14.07	14.09	135 x 50	0.1	Open Land	Staging area for wetland/unnamed intermittent stream crossing.	Approved
14.13	14.15	100 x 50	0.1	Open Land	Staging area for wetland/unnamed intermittent stream crossing.	Approved
14.44	14.46	100 x 50	0.1	Open Land	Staging area for wetland/Norwood Street (Route 27) crossings.	Approved
14.49	14.52	115 x 50	0.1	Open Land	Staging area for Norwood Street (Route 27) crossing.	Approved
14.52	14.54	105 x 20	0.1	Open Land	Additional workspace for rock storage.	Approved
14.54	14.57	110 x 20	0.1	Open Land	Additional workspace for rock storage.	Approved
14.57	14.59	130 x 50	0.1	Open Land	Staging area for Fales Road crossing.	Approved
14.59	14.62	130 x 50	0.1	Open Land	Staging area for Fales Road crossing.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
14.62	14.64	110 x 20	0.1	Open Land	Additional workspace for rock storage.	Approved
14.64	14.73	460 x 20	0.2	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
14.74	14.76	90 x 20	<0.1	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
14.76	14.78	115 x 50	0.1	Open Land	Staging area for Bullard Street crossing.	Approved
14.78	14.81	150 x 50	0.2	Open Land	Staging area for Bullard Street crossing.	Approved
14.97	15.04	405 x 20	0.2	Open Land	Staging area for wetland/unnamed intermittent stream crossing, additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
15.05	15.17	615 x 20	0.3	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
15.18	15.21	175 x 20	0.1	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
15.20	15.30	600 x 35	0.5	Open Land	Additional workspace for rock storage and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
15.21	15.32	525 x 10	0.1	Residential	Additional workspace for moderate vertical and side slopes.	Approved
15.30	15.33	120 x 50	0.1	Residential	Staging area for Richards Avenue crossing.	Approved
15.33	15.37	190 x 50	0.2	Residential	Staging area for Richards Avenue/ Sawmill Pond Road crossings.	Approved
15.37	15.42	260 x 50	0.2	Residential	Staging area for Sawmill Pond Road/ Canton Road crossings.	Approved
15.41	15.45	175 x 85	0.3	Open Land	Staging area for Canton Road/ wetland crossings.	Approved
15.52	15.54	100 x 50	0.1	Open Land	Staging area for MBTA Railroad crossing.	Approved
15.58	15.61	140 x 50	0.1	Open Land	Staging area for MBTA Railroad crossing/wetland crossings.	Approved
15.62	15.65	145 x 130	0.3	Forested	Staging area for remote blow-off valve installation.	Approved
15.65	15.67	165 x 15	0.1	Forested	Additional workspace to accommodate lower height spoil stockpiles due to working under powerlines through wetlands and workspace crossover.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
15.67	15.75	410 x 30	0.3	Open Land	Additional workspace to accommodate lower height spoil stockpiles due to working under powerlines through wetlands and workspace crossover.	Approved
16.58	16.64	320 x 15	0.1	Open Land	Staging area for wetland crossing and to accommodate lower height spoil stockpiles due to working under powerlines.	Approved
16.66	16.71	260 x 115	0.4	Commercial	Staging area for Washington Street crossing and pipeline installation through commercial parking lot.	Approved
16.72	16.78	390 x 55	0.3	Commercial	Staging area for Washington Street crossing and pipeline installation through commercial parking lot.	Approved
16.73	16.74	80 x 30	0.1	Commercial	Staging area for Washington Street crossing.	Approved
16.86	16.93	415 x 80	0.5	Open Land	Additional workspace for rock storage and storage of spoil generated from grading side and vertical slopes.	Approved
16.87	16.97	500 x 105	0.5	Commercial/ Open Land	Additional workspace for pipeline installation through commercial parking lot, side and vertical slopes, and staging area for wetland crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
17.01	17.03	145 x 50	0.2	Forested	Staging area for wetland crossings.	Approved
17.17	17.21	200 x 50	0.2	Forested	Staging area for wetland crossings.	Pending submittal of a site-specific request and justification (see section 4.4.3)
17.30	17.33	105 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
17.32	17.33	25 x 15	<0.1	Open Land	Additional workspace for rock storage.	Approved
17.34	17.38	215 x 15	0.1	Open Land	Additional workspace for rock storage.	Approved
17.38	17.43	280 x 65	0.2	Residential	Staging area for Greenbrook Drive crossing.	Approved
17.43	17.47	250 x 65	0.3	Residential	Staging area for Greenbrook Drive crossing/residential construction techniques.	Pending submittal of a site-specific request and justification (see sections 4.3.2.9 and 4.4.3)
17.48	17.58	535 x 15	0.2	Residential	Additional workspace for residential construction techniques.	Approved
17.58	17.60	110 x 50	0.1	Residential	Staging area for Pine Street crossing.	Approved
17.61	17.65	205 x 50	0.2	Commercial	Staging area for Pine Street crossing.	Approved
17.67	17.70	155 x 210	0.7	Commercial	Staging/laydown area in a previously cleared area.	Approved
17.70	17.87	840 x 405	7.1	Commercial	Staging/laydown area in a previously cleared area.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
17.84	17.89	115 x 250	0.6	Commercial	Additional staging area for wetland/ New York-New Haven-Hartford Railroad crossings.	Approved
17.91	17.96	270 x 50	0.3	Commercial	Staging area for wetland/New York- New Haven-Hartford Railroad crossings.	Approved
17.97	18.00	140 x 120	0.3	Commercial	Staging area for wetland/New York- New Haven-Hartford Railroad crossings.	Approved
18.03	18.07	235 x 20	0.1	Commercial/ Open Land	Additional workspace for rock storage.	Approved
18.08	18.12	200 x 20	0.1	Forested	Additional workspace for rock storage.	Approved
18.73	18.80	330 x 50	0.4	Open Land	Staging area for wetland crossings and topsoil segregation in lawn area.	Approved
18.83	18.91	425 x 15	0.1	Commercial	Staging area for wetland/Beaver Meadow Brook crossings and topsoil segregation in lawn area.	Approved
18.99	19.01	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
19.01	19.04	130 x 15	<0.1	Forested	Additional workspace for side slope.	Approved
19.03	19.07	190 x 45	0.1	Residential	Staging area for commercial driveway crossing.	Approved
19.07	19.09	80 x 50	0.1	Residential	Staging area for commercial driveway crossing.	Approved
19.09	19.11	150 x 15	0.1	Forested	Staging area for commercial driveway crossing.	Approved
19.11	19.13	100 x 50	0.1	Forested	Staging area for wetland/John Road crossing.	Approved
19.13	19.16	185 x 15	0.1	Forested	Additional workspace for access to staging area from John Road.	Approved
19.17	19.24	405 x 50	0.5	Forested	Staging area for John Road/wetland crossing.	Approved
19.41	19.44	165 x 50	0.2	Forested	Staging area for wetland/Turnpike Street crossings.	Approved
19.45	19.47	100 x 50	0.1	Commercial	Staging area for Turnpike Street/ wetland crossings.	Approved
19.59	19.66	510 x 235	2.8	Forested	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher/receiver, and access road entry.	Approved
19.61	19.66	260 x 15	0.1	Forested	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher/receiver.	Approved
Q-1 System Replacement Subtotal			26.0			
Connecticut						
E-3 System Replacement						
0.00	0.04	315 x 50	0.4	Forested/Open Land	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
0.00	0.02	200 x 75	0.3	Forested/Open Land	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher.	Approved
0.06	0.08	100 x 50	0.1	Forested	Staging area to store and prepare timber mats and prefabricate pipe sections as required to support pipeline installation in the adjacent wetland.	Approved
0.15	0.17	105 x 50	0.1	Forested	Staging area for Plain Hill Road crossing	Approved
0.17	0.19	100 x 50	0.1	Forested	Staging area for Plain Hill Road crossing	Approved
0.27	0.29	100 x 50	0.1	Open Land	Staging area for wetland crossing.	Approved
0.36	0.38	100 x 50	0.1	Forested	Staging area for wetland crossing/ Bog Meadow Road crossing.	Approved
0.44	0.48	200 x 50	0.2	Forested	Staging area for Bog Meadow Road crossing as relocated downstream to reduce impacts on tree screening and staging area for wetland crossing.	Approved
0.57	0.59	100 x 50	0.1	Forested	Staging area for Norwichtown Brook stream crossing and Connecticut Turnpike (I-395) crossing.	Approved
0.63	0.65	110 x 50	0.1	Forested	Staging area for the Connecticut Turnpike and wetland crossing.	Approved
0.74	0.76	105 x 50	0.1	Residential	Staging area for Case Street crossing.	Approved
0.76	0.81	215 x 15	0.1	Residential	Additional workspace for topsoil segregation.	Approved
0.84	0.86	120 x 50	0.1	Forested	Staging area for wetland crossing as modified to avoid impact on a new landowner.	Approved
0.92	0.94	100 x 50	0.1	Agricultural	Staging area for wetland crossing placed in a previously cleared area.	Approved
0.97	0.99	100 x 50	0.1	Agricultural	Staging area for wetland crossing.	Approved
1.05	1.11	300 x 15	0.1	Residential	Additional workspace for topsoil segregation.	Approved
1.09	1.15	215 x 220	1.0	Residential	Staging/laydown area.	Approved
1.15	1.20	280 x 15	0.1	Residential	Linear staging due to close proximity of residences to Scotland Road crossing, wetland crossing, unnamed trib. to Bobbin Hill Brook crossing, and topsoil segregation through residential area.	Approved
1.15	1.17	55 x 5	<0.1	Residential	Staging area for Scotland Road crossing.	Approved
1.20	1.22	100 x 50	0.1	Residential	Staging area for wetland/unnamed trib. to Bobbin Hill Brook crossing.	Approved
1.26	1.28	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
1.39	1.41	100 x 50	0.1	Forested	Staging area for Reservoir Road crossing.	Approved
1.39	1.41	100 x 50	0.1	Open Land/ Forested	Staging area for Reservoir Road crossing.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
1.48	1.49	100 x 50	0.1	Forested	Staging area for wetland/Bobbin Mill Brook crossing.	Approved
1.52	1.54	100 x 50	0.1	Forested	Staging area for wetland/Bobbin Mill Brook crossing.	Approved
1.56	1.58	100 x 50	0.1	Forested/ Residential	Staging area for Canterbury Turnpike crossing as relocated upstream due to close proximity of residences.	Approved
1.63	1.64	100 x 50	0.1	Residential	Staging area for Canterbury Turnpike/wetland crossing.	Approved
1.72	1.76	185 x 90	0.2	Residential	Staging area for Beebe Road/Harland Road crossings as relocated upstream due to close proximity of residences.	Approved
1.79	1.81	100 x 50	0.1	Residential	Staging area for Beebe Road/Harland Road crossings.	Approved
1.84	1.89	265 x 110	0.3	Residential	Irregularly shaped staging area for Harland Road crossing and downstream congested residential construction techniques.	Approved
1.88	1.97	435 x 15	0.1	Residential	Linear staging area to support congested residential construction techniques.	Approved
2.04	2.05	50 x 10	<0.1	Residential	Additional workspace to provide access from Tower Hill Drive.	Approved
2.05	2.08	150 x 50	0.1	Forested/ Residential	Staging area for equipment and material storage from Tower Hill Drive access.	Approved
2.08	2.10	100 x 50	0.1	Forested/ Residential	Staging area for wetland crossing.	Additional justification needed. Consider modifying workspace configuration to maintain visual screening.
2.15	2.20	260 x 50	0.3	Forested	Staging area for wetland crossing and storage of stockpiled material from temporary stone wall removal.	Approved
2.29	2.31	110 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
2.50	2.52	105 x 50	0.1	Residential	Staging area for Mohegan Park Road.	Approved
2.50	2.52	105 x 50	0.1	Residential	Additional staging area for Mohegan Park Road due to severe vertical slope and storage of stockpiled material from temporary stone wall removal.	Approved
2.52	2.56	180 x 25	0.1	Residential	Staging area for Mohegan Park Road/Little Valley Court crossings.	Approved
2.60	2.63	200 x 25	0.1	Forested	Staging area for Little Valley Court crossing/congested residential construction techniques as relocated downstream due to close proximity of residences.	Approved
2.69	2.72	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
2.79	2.81	150 x 50	0.2	Residential	Staging area for wetland crossing/ unnamed perennial stream crossing.	Approved
2.89	2.90	50 x 15	<0.1	Residential	Staging area for access road entry.	Approved
2.89	2.91	100 x 50	0.1	Forested	Staging area for wetland crossing/ unnamed intermittent stream crossing.	Approved
2.91	2.92	30 x 5	<0.1	Forested	Staging area for access road entry.	Approved
3.21	3.26	250 x 50	0.2	Commercial	Staging area for "in-road" construction through the trailer park paved access road, Boswell Avenue (Route 12) crossing, and access road entry.	Approved
3.28	3.29	45 x 25	<0.1	Commercial	Staging area for Boswell Avenue (Route 12) crossing.	Approved
3.33	3.41	440 x 580	5.0	Open Land	Staging area for Shetucket River HDD.	Additional justification needed (see sections 4.3.2.9 and 4.4.3)
3.35	3.41	260 x 90	0.4	Open Land	Staging area for Shetucket River HDD.	Additional justification needed (see section 4.3.2.9)
3.84	3.87	55 x 25	<0.1	Forested	Staging area for Shetucket River HDD.	Approved
3.86	4.18	1,320 x 60	2.1	Forested	Staging area for Shetucket River HDD.	Approved
4.06	4.10	190 x 50	0.2	Open Land	Staging area for wetland crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
4.16	4.39	1,210 x 300	1.3	Agricultural	Topsoil segregation in agricultural field and access road entry.	Approved
4.26	4.38	610 x 130	1.9	Agricultural	Staging/laydown area, topsoil segregation in agricultural field, access road entry.	Approved
4.38	4.42	200 x 50	0.2	Residential	Staging area for Roosevelt Avenue Extension crossing/wetland crossing.	Approved
4.59	4.61	100 x 50	0.1	Residential	Staging area for wetland crossing as relocated downstream to a previously cleared area.	Approved
4.69	4.71	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
4.84	4.86	125 x 50	0.1	Forested	Staging area for Old Jewett City Road crossing/storage of stockpiled material from temporary stone wall removal.	Pending submittal of a site-specific request and justification (see section 4.4.3)
4.92	4.94	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
5.01	5.10	460 x 90	0.3	Forested/Open Land	Staging area for wetland crossing/ storage of stockpiled material from temporary stone wall removal.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
5.24	5.27	150 x 50	0.1	Open Land	Staging area for wetland crossing/ Shetucket Turnpike crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
5.30	5.41	455 x 160	1.6	Agricultural/ Open Land	Staging area for access road entry, wetland crossing, and topsoil segregation in agricultural field.	Approved
5.43	5.49	280 x 50	0.3	Agricultural	Staging area for residential construction techniques, topsoil segregation in agricultural field, storage of stockpiled material from temporary stone wall removal.	Approved
5.53	5.59	330 x 25	0.2	Residential	Staging area for topsoil segregation in residential area, Miller Road crossing, and storage of stockpiled material from temporary stone wall removal.	Approved
5.62	5.65	150 x 65	0.1	Residential	Irregularly shaped staging area for Miller Road crossing and storage of stockpiled material from temporary stone wall removal.	Approved
5.76	5.78	100 x 50	0.1	Forested	Staging area for wetland crossing/ storage of stockpiled material from temporary stone wall removal.	Approved
5.82	5.84	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
6.22	6.24	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
6.29	6.31	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
6.60	6.62	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
7.14	7.27	680 x 50	0.8	Residential	Staging area for wetland crossing and temporary rock storage resultant from blasting.	Pending submittal of a site-specific request and justification (see section 4.4.3)
7.32	7.34	100 x 50	0.1	Forested	Staging area for Branch Hill Road crossing and Mainline Valve installation.	Approved
7.34	7.36	105 x 50	0.1	Forested	Staging area for Branch Hill Road crossing and wetland crossing.	Approved
7.41	7.44	200 x 25	0.1	Residential	Staging area for wetland crossing and topsoil segregation in agricultural field.	Approved
7.54	7.56	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
7.79	7.81	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
7.89	7.91	115 x 50	0.1	Residential	Staging area for Ross Road crossing.	Approved
7.91	7.93	115 x 50	0.1	Residential	Staging area for Ross Road crossing.	Approved
8.12	8.14	100 x 50	0.1	Forested	Staging area for wetland crossing/ storage of stockpiled material from temporary stone wall removal.	Approved

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
8.19	8.21	100 x 50	0.1	Forested	Staging area for wetland crossing.	Pending submittal of a site-specific request and justification (see section 4.4.3)
8.27	8.35	455 x 300	1.9	Residential	Staging/laydown area in previously cleared area.	Approved
8.34	8.37	145 x 50	0.2	Residential	Staging area for Route 164 crossing.	Approved
8.36	8.39	165 x 25	0.1	Residential	Staging area for Route 164 crossing, storage of stockpiled material from temporary stone wall removal, and access from roadway traversing a steep vertical slope.	Approved
8.37	8.41	160 x 45	0.1	Residential	Staging area for Route 164 crossing/ storage of stockpiled material from temporary stone wall removal.	Approved
8.45	8.47	100 x 50	0.1	Residential	Staging area for wetland crossing.	Approved
8.67	8.69	100 x 75	0.2	Open Land	Staging area for wetland crossing.	Approved
8.76	8.82	200 x 50	0.4	Forested	Staging area for wetland crossing and access to hydrostatic test water source/testing activities.	Approved
9.02	9.06	200 x 50	0.2	Forested	Staging area for wetland crossing/ storage of stockpiled material from temporary stone wall removal.	Approved
9.20	9.22	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
9.36	9.38	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
9.41	9.43	105 x 50	0.1	Forested	Staging area for Watson Road crossing.	Approved
9.43	9.46	100 x 50	0.1	Forested	Staging area for Watson Road crossing.	Approved
9.44	9.48	200 x 75	0.3	Forested	Staging area for Watson Road crossing and storage of stockpiled material from temporary stone wall removal	Approved
9.92	9.94	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
10.48	10.50	100 x 50	0.1	Forested	Staging area for wetland crossing.	Approved
10.69	10.75	275 x 50	0.4	Forested	Staging area for access road entry and access to hydrostatic test water source/testing activities.	Approved
10.75	10.87	670 x 40	0.4	Forested	Additional workspace for severe side slope and staging area for wetland crossing	Approved
11.00	11.01	200 x 75	0.3	Forested	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher/receiver.	Approved
11.00	11.01	190 x 50	0.2	Open Land	Staging area to support contractor mobilization/demobilization, preparation of a level work area for installation of the proposed pig launcher/receiver, and access road entry.	Approved
E-3 System Replacement Subtotal			28.1			

TABLE E-1 (cont'd)

Temporary Extra Workspaces Associated with the HubLine/East to West Project ^a

State/ Facility/ Begin Milepost	End Milepost	Size (feet (length by width))	Acreage Affected	Land Use	Justification	Approval Status
Project Total			108.2			

^a Includes areas where the construction right-of-way is wider than the nominal 75- to 85-foot-wide configuration as well as extra workspaces for staging areas and at feature crossings.

^b These temporary extra workspaces were not identified by Algonquin. Algonquin must provide justification for their use.

Note: The totals in this table may not equal the sum of addends due to rounding.