APPENDIX E

Soil Characteristics of the Proposed Route

TABLE E-1

Acreage of Limitations and Other Characteristics by Milepost for Each MUID Polygon Crossed by the Pipeline Route a/, b/, c/

MP	MUID	Total	Highly Water Erodible	Highly Wind Erodible	Prime Farmland	Hydric	Compaction Prone	Stony	Shallow Bedrock	Droughty
		Acres								
Connecticut – AGT Pipelines Retest and Anomaly										
New Haven										
3.72 to 3.81	CT017	0.8	0.3	0.0	0.3	0.1	0.0	0.4	0.1	0.0
7.99 to 8.05	CT015	0.7	0.3	0.02	0.3	0.2	0.02	0.4	0.3	0.0
8.75 to 8.93	CT019	1.2	0.5	0.04	0.4	0.2	0.04	0.5	0.0	0.3
	Subtotal	**2.7**	**1.1**	**0.1**	**1.0**	**0.5**	**0.1**	**1.3**	**0.4**	**0.3**
Connecticut – Islander East Pipeline										
New Haven										
0.00 to 0.63	CT019	5.7	2.3	0.2	1.9	0.8	0.2	2.3	0.0	1.5
0.63 to 3.27	CT015	30.7	10.7	0.9	12.3	6.8	0.9	16.0	7.4	0.0
3.27 to 4.54	CT018	14.2	2.7	0.4	5.8	1.8	0.4	6.0	0.1	0.7
4.54 to 5.86	CT015	14.7	5.1	0.4	5.9	3.2	0.4	7.6	3.5	0.0
5.86 to 6.89	CT014	10.4	7.5	0.2	0.5	1.0	0.2	6.5	6.9	0.0
6.89 to 7.10	CT015	2.3	0.8	0.1	0.9	0.5	0.1	1.2	0.6	0.0
7.10 to 8.07	CT018	14.1	2.7	0.4	5.8	1.8	0.4	5.9	0.1	0.7
8.07 to 10.1	CT017	21.3	8.5	0.0	8.1	2.3	0.0	11.1	2.6	0.0
	Subtotal	**113.4**	**40.3**	**2.6**	**41.2**	**18.2**	**2.6**	**56.6**	**21.2**	**2.9**
New York – Islander East Pipeline										
Suffolk County										
32.83 to 34.4	NY102	18.2	2.4	14.4	0.9	0.0	0.0	0.0	0.0	16.8
34.47 to 41.2	NY103	64.1	7.1	4.5	50.6	0.0	0.0	0.0	0.0	51.3
41.26 to 42.1	NY102	10.5	1.4	8.3	0.5	0.0	0.0	0.0	0.0	9.6
42.14 to 44.7	NY103	30.0	3.3	2.1	23.7	0.0	0.0	0.0	0.0	24.0
	Subtotal	**122.8**	**14.2**	**29.3**	**75.7**	**0.0**	**0.0**	**0.0**	**0.0**	**101.7**
New York – Calverton Lateral										
Suffolk County										
0.00 to 0.74	NY102	5.2	0.7	4.1	0.3	0.0	0.0	0.0	0.0	4.8
0.74 to 1.81	NY103	10.2	1.1	0.7	8.1	0.0	0.0	0.0	0.0	8.2
1.81 to 5.46	NY104	36.6	0.4	0.0	32.9	0.0	0.0	0.4	0.4	6.2
5.46 to 5.56	NY103	1.0	0.1	0.1	0.8	0.0	0.0	0.0	0.0	0.8
	Subtotal	**53.0**	**2.3**	**4.9**	**42.1**	**0.0**	**0.0**	**0.4**	**0.4**	**20.0**
PROJECT TOTALS										
Connecticut		116.1	41.4	2.7	42.2	18.7	2.7	57.9	21.6	3.2
New York		175.8	16.5	34.2	117.8	0.0	0.0	0.4	0.4	121.7
Grand Total		**291.9**	**57.9**	**36.9**	**160.0**	**18.7**	**2.7**	**58.3**	**22.0**	**124.9**

a/ Acreage includes the construction right-of-way and ATWS.

b/ The aggregate sums of soil limitations within each state does not equal total acres of soils affected within each state because individual soils may have more that one limitation and therefore can be recorded in more than one grouping.

c/ Numbers have been rounded to the nearest 0.1 acre.

TABLE E-2

Selected Physical and Interpretative Characteristics of Connecticut MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
HOLYOKE – ROCKOUTCROP – YALESVILLE (CT014):									
CT014	CARLISLE	2	TYPIC MEDISAPRISTS, EUIC, MESIC	MUCK	0	2	5W	2	VP
CT014	WETHERSFIELD	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	8	15	3E	N/A	W
CT014	WETHERSFIELD	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-L	8	15	6S	N/A	W
CT014	WETHERSFIELD	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-L	15	25	6S	N/A	W
CT014	YALESVILLE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
CT014	CHESHIRE	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	3	8	6S	N/A	W
CT014	CHESHIRE	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	15	25	6S	N/A	W
CT014	WETHERSFIELD	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	3	8	2E	N/A	W
CT014	CHESHIRE	4	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	8	15	6S	N/A	W
CT014	WETHERSFIELD	4	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-L	3	8	6S	N/A	W
CT014	YALESVILLE	5	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	8	15	3E	N/A	W
CT014	HOLYOKE	6	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	3	8	6S	N/A	W
CT014	YALESVILLE	7	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	15	25	4E	N/A	W
CT014	WILBRAHAM	8	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-SIL	0	3	7S	N/A	P
CT014	HOLYOKE	13	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	8	15	6S	N/A	W
CT014	HOLYOKE	16	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	15	25	6S	N/A	W
CHESHIRE – YALESVILLE – WETHERSFIELD (CT015):									
CT015	HOLYOKE	1	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	8	15	6S	N/A	W
CT015	HOLYOKE	2	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	15	25	6S	N/A	W
CT015	MANCHESTER	2	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	8	15	4S	N/A	E
CT015	CARLISLE	3	TYPIC MEDISAPRISTS, EUIC, MESIC	MUCK	0	2	5W	2	VP
CT015	CHESHIRE	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	8	15	3E	N/A	W
CT015	LUDLOW	3	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	0	3	2W	N/A	MW
CT015	LUDLOW	3	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-SIL	3	8	6S	N/A	MW
CT015	BASH	4	FLUVAQUENTIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	0	3	3W	5	SP

* See pages E-9 to E-11 for definitions.
N/A = Not applicable.

TABLE E-2 (continued)
Selected Physical and Interpretative Characteristics of Connecticut MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
CT015	CHESHIRE	4	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	8	15	6S	N/A	W
CT015	CHESHIRE	4	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	15	25	6S	N/A	W
CT015	LUDLOW	4	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	3	8	2E	N/A	MW
CT015	MANCHESTER	5	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	15	25	6S	N/A	E
CT015	RAYPOL	5	AERIC HAPLAQUEPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, ACID, MESIC	SIL	0	3	4W	N/A	P
CT015	WETHERSFIELD	5	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	3	8	2E	N/A	W
CT015	WETHERSFIELD	6	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	8	15	3E	N/A	W
CT015	YALESVILLE	8	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	8	15	3E	N/A	W
CT015	WILBRAHAM	10	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-SIL	0	3	7S	N/A	P
CT015	YALESVILLE	13	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
CT015	CHESHIRE	15	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
WTHERSFIELD – LUDLOW – WILBRAHAM (CT017):									
CT017	CHESHIRE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	8	15	3E	N/A	W
CT017	CHESHIRE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	15	25	6S	N/A	W
CT017	MANCHESTER	2	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	15	25	6S	N/A	E
CT017	YALESVILLE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
CT017	CHESHIRE	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-FSL	8	15	6S	N/A	W
CT017	HOLYOKE	3	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	15	25	6S	N/A	W
CT017	WETHERSFIELD	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-L	8	15	6S	N/A	W
CT017	YALESVILLE	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	8	15	3E	N/A	W
CT017	CHESHIRE	4	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
CT017	HOLYOKE	4	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	STV-SIL	8	15	6S	N/A	W
CT017	LUDLOW	4	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	0	3	2W	N/A	MW
CT017	LUDLOW	4	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-SIL	3	8	6S	N/A	MW

* See pages E-9 to E-11 for definitions.
N/A = Not applicable.

TABLE E-2 (continued)

Selected Physical and Interpretative Characteristics of Connecticut MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
CT017	MANCHESTER	4	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	8	15	4S	N/A	E
CT017	WILBRAHAM	4	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	0	3	4W	N/A	P
CT017	BRANFORD	6	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	3	8	2E	N/A	W
CT017	LUDLOW	6	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	3	8	2E	N/A	MW
CT017	WETHERSFIELD	7	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	8	15	3E	N/A	W
CT017	WETHERSFIELD	7	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-L	3	8	6S	N/A	W
CT017	WETHERSFIELD	7	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-L	15	25	6S	N/A	W
CT017	WILBRAHAM	7	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	STV-SIL	0	3	7S	N/A	P
CT017	WETHERSFIELD	16	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	3	8	2E	N/A	W
MANCHESTER – BRANFORD – RIPPOWAM (CT018):									
CT018	HOLYOKE	1	LITHIC DYSTROCHREPTS, LOAMY, MIXED, MESIC	SIL	3	8	3E	N/A	W
CT018	CHESHIRE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
CT018	CHESHIRE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	8	15	3E	N/A	W
CT018	CHESHIRE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	15	25	4E	N/A	W
CT018	PENWOOD	2	TYPIC UDIPSAMMENTS, MIXED, MESIC	LS	3	8	3S	N/A	E
CT018	ADRIAN	3	TERRIC MEDISAPRISTS, SANDY OR SANDY-SKELETAL, MIXED, EUIC, MESIC	MUCK	0	2	5W	2	VP
CT018	MANCHESTER	3	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	15	25	6S	N/A	E
CT018	MANCHESTER	3	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	25	45	7S	N/A	E
CT018	PENWOOD	3	TYPIC UDIPSAMMENTS, MIXED, MESIC	LS	0	3	3S	N/A	E
CT018	WETHERSFIELD	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	3	8	2E	N/A	W
CT018	RAYPOL	4	AERIC HAPLAQUEPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, ACID, MESIC	SIL	0	3	4W	N/A	P
CT018	SUDBURY	5	AQUIC DYSTROCHREPTS, SANDY, MIXED, MESIC	SL	0	3	2W	N/A	MW,SP

* See pages E-9 to E-11 for definitions.
N/A = Not applicable.

TABLE E-2 (continued)

Selected Physical and Interpretative Characteristics of Connecticut MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
CT018	UDORTHENTS	5	UDORTHENTS	GR-SL	0	15		N/A	MW
CT018	RIPPOWAM	6	AERIC FLUVAQUENTS, COARSE-LOAMY, MIXED, NONACID, MESIC	FSL	0	3	4W	N/A	P
CT018	MANCHESTER	9	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	8	15	4S	N/A	E
CT018	BRANFORD	14	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	0	3	1	N/A	W
CT018	MANCHESTER	16	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	3	8	3S	N/A	E
CT018	BRANFORD	17	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	3	8	2E	N/A	W
MANCHESTER – PENWOOD – HARTFORD (CT019):									
CT019	CHESHIRE	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	N/A	W
CT019	ADRIAN	3	TERRIC MEDISAPRISTS, SANDY OR SANDY-SKELETAL, MIXED, EUIC, MESIC	MUCK	0	2	5W	2	VP
CT019	HAVEN	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	0	3	1	5	W
CT019	RIPPOWAM	3	AERIC FLUVAQUENTS, COARSE-LOAMY, MIXED, NONACID, MESIC	FSL	0	3	4W	N/A	P
CT019	WETHERSFIELD	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	3	8	2E	N/A	W
CT019	WETHERSFIELD	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	L	8	15	3E	N/A	W
CT019	ELLINGTON	4	AQUIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	0	3	2W	N/A	MW
CT019	SUDBURY	4	AQUIC DYSTROCHREPTS, SANDY, MIXED, MESIC	SL	0	3	2W	N/A	MW,SP
CT019	HAVEN	5	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	3	8	2E	5	W
CT019	HARTFORD	6	TYPIC DYSTROCHREPTS, SANDY, MIXED, MESIC	SL	0	3	2S	N/A	SE
CT019	HARTFORD	6	TYPIC DYSTROCHREPTS, SANDY, MIXED, MESIC	SL	3	8	2S	N/A	SE
CT019	PENWOOD	6	TYPIC UDIPSAMMENTS, MIXED, MESIC	LS	0	3	3S	N/A	E
CT019	MANCHESTER	7	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	8	15	4S	N/A	E
CT019	WALPOLE	7	AERIC HAPLAQUEPTS, SANDY, MIXED, MESIC	SL	0	3	4W	N/A	P

* See pages E-9 to E-11 for definitions.
N/A = Not applicable.

TABLE E-2 (continued)

Selected Physical and Interpretative Characteristics of Connecticut MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
CT019	PENWOOD	8	TYPIC UDIPSAMMENTS, MIXED, MESIC	LS	3	8	3S	N/A	E
CT019	MANCHESTER	15	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	15	25	6S	N/A	E
CT019	MANCHESTER	15	TYPIC UDORTHENTS, SANDY-SKELETAL, MIXED, MESIC	GR-SL	25	45	7S	N/A	E

*See pages E9 - E11 for definitions.
N/A = Not applicable.

TABLE E-3

Selected Physical and Interpretative Characteristics of New York MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
PLYMOUTH – CARVER – URBAN LAND (NY102):									
NY102	CARVER	1	TYPIC QUARTZIPSAMMENTS, MESIC, UNCOATED	LS	0	3	4S	N/A	E
NY102	PLYMOUTH	1	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	15	25	6S	2	E
NY102	CARVER	2	TYPIC QUARTZIPSAMMENTS, MESIC, UNCOATED	LS	8	15	7S	N/A	E
NY102	RIVERHEAD	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	3	8	2S	3	W
NY102	RIVERHEAD	3	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	0	3	2S	3	W
NY102	CARVER	5	TYPIC QUARTZIPSAMMENTS, MESIC, UNCOATED	LS	3	8	4S	N/A	E
NY102	PLYMOUTH	10	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	8	15	4S	2	E
NY102	PLYMOUTH	28	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	3	8	3S	2	E
NY102	PLYMOUTH	40	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	0	3	3S	2	E
RIVERHEAD – HAVEN – PLYMOUTH (NY103):									
NY103	PLYMOUTH	1	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	0	3	3S	2	E
NY103	PLYMOUTH	1	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	15	25	6S	2	E
NY103	ENFIELD	2	TYPIC DYSTROCHREPTS, COARSE-SILTY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	0	3	1	N/A	W
NY103	HAVEN	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	L	0	3	1	5	W
NY103	HAVEN	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	L	3	8	2E	5	W
NY103	MONTAUK	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	FSL	3	8	2E	3	W
NY103	PLYMOUTH	2	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	8	15	4S	2	E
NY103	PLYMOUTH	3	TYPIC QUARTZIPSAMMENTS, MESIC, COATED	LS	3	8	3S	2	E
NY103	HAVEN	6	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	L	0	3	1	5	W
NY103	RIVERHEAD	8	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	8	15	3E	3	W
NY103	RIVERHEAD	23	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	3	8	2S	3	W

* See pages E-9 to E-11 for definitions.
N/A = Not applicable.

TABLE E-3 (continued)

Selected Physical and Interpretative Characteristics of New York MUID Component Soil Series*

MUID	Soil Name	Component Percent	Soil Class	Surface Texture	Slope Length	Slope Height	Soil Capability Class	Wind Group	Drain Class
NY103	RIVERHEAD	42	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	0	3	2S	3	W
HAVEN – RIVERHEAD – URBAN LAND (NY104):									
NY104	RIVERHEAD	1	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	8	15	3E	3	W
NY104	ENFIELD	2	TYPIC DYSTROCHREPTS, COARSE-SILTY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	SIL	0	3	1	N/A	W
NY104	MONTAUK	2	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	0	3	1	5	W
NY104	SCIO VARIANT	2	AQUIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	0	3	2W	5	MW
NY104	MONTAUK	5	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SIL	3	8	2E	5	W
NY104	RIVERHEAD	6	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	0	3	2S	3	W
NY104	RIVERHEAD	10	TYPIC DYSTROCHREPTS, COARSE-LOAMY, MIXED, MESIC	SL	3	8	2S	3	W
NY104	HAVEN	13	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	L	3	8	2E	5	W
NY104	HAVEN	50	TYPIC DYSTROCHREPTS, COARSE-LOAMY OVER SANDY OR SANDY-SKELETAL, MIXED, MESIC	L	0	3	1	5	W

*See pages E9 - E11 for definitions.
N/A = Not applicable.

Notes:

APUM = ashy-pumiceous
ASHY = ashy
ASK = ashy-skeletal
BM = bouldery mucky
BVM = very bouldery mucky
BXM = extremely bouldery mucky
BY = bouldery
BYV = very bouldery
BYX = extremely bouldery
C = clay
CAM = angular cobbly mucky
CB = cobbly
CBA = angular cobbly
CBV = very cobbly
CBX = extremely cobbly
CE = coprogenous earth
CEM = cemented
CIND = cinders
CL = clay loam
CM = cobbly mucky
CN = channery
CNDY = cindery
CNV = very channery
CNX = extremely channery
COS = coarse sand
COSL = coarse sandy loam
CR = cherty
CRC = coarse cherty
CRV = very cherty
CRX = extremely cherty
CVM = very cobbly mucky
CXM = extremely cobbly mucky
DE = diatomaceous earth
FB = fibric material
FL = flaggy
FLV = very flaggy
FLX = extremely flaggy
FRAG = fragmental material
FS = fine sand
FSL = fine sandy loam
G = gravel
GCM = coarse gravelly mucky
GFM = fine gravelly mucky
GM = gravelly mucky
GR = gravelly
GRC = coarse gravelly
GRF = fine gravelly
GRV = very gravelly
GRX = extremely gravelly
GVM = very gravelly mucky
GXM = extremely gravelly mucky
GYP = gypsiferous material
HM = hemic material
HPUM = hydrous-pumiceous
HSK = hydrous-skeletal
HYDR = hydrous
ICE = ice or frozen soil
IND = indurated
L = loam
LCOS = loamy coarse sand
LFS = loamy fine sand
LS = loamy sand
LVFS = loamy very fine sand
MARL = marl
MEDL = medial
MK = mucky
MPT = mucky-peat
MPUM = medial-pumiceous
MSK = medial-skeletal
MUCK = muck
PEAT = peat
PT = peaty
PUM = pumiceous
RB = rubbly
S = sand
SC = sandy clay
SCL = sandy clay loam
SG = sand and gravel
SH = shaly
SHV = very shaly
SHX = extremely shaly
SI = silt
SIC = silty clay
SICL = silty clay loam
SIL = silt loam
SL = sandy loam
SM = stony mucky
SP = sapric material
SR = stratified
ST = stony
STV = very stony
STX = extremely stony
SVM = very stony mucky
SXM = extremely stony mucky
SY = slaty
SYV = very slaty
SYX = extremely slaty
UNK = unknown
UWB = unweathered bedrock
VAR = variable
VFS = very fine sand
VFSL = very fine sandy loam
WB = weathered bedrock

Slope Length:

The minimum value for the range of slope of a soil component within a map unit.

Slope Height:

The maximum value for the range of slope of a soil component within a map unit.

Soil Capability Class:

Class 1 = soils with few limitations restricting their use.

Class 2 = soils with some limitations that reduce the choice of plants or require moderate conservation practices.

Class 3 = soils with severe limitations that reduce the choice of plants or require special conservation practices, or both.

Class 4 = soils with very severe limitations that restrict the choice of plants, require very careful management, or both.

Class 5 = soils with little or no erosion hazard but have other limitations, impractical to remove, that limit their use.

Class 6 = soils with severe limitations that make them generally unsuited to cultivation and limit their use largely to pasture, etc.

Class 7 = soils with very severe limitations that make them unsuited to cultivation and that restrict their use to grazing, etc.

Class 8 = soils and landforms with limitations that preclude their use for commercial plant production and restrict their use.

Soil Capability Subclass:

Subclass E = risk of erosion unless close-growing plant cover is maintained.

Subclass W = water in or on the soil interferes with plant growth or cultivation.

Subclass S = soil is shallow, droughty, or stony.

Wind Group:

Wind Erodibility Group 1 = Surface texture - VFS, FS, S, COS
Percent aggregates - 1
Wind erodibility index 310 t/a/y

Wind Erodibility Group 2 = Surface texture - LVFS, LFS, LCOS, Sapric material
Percent aggregates - 10
Wind erodibility index - 134 t/a/y

Wind Erodibility Group 3 = Surface texture - VFSL, FSL, SL, COSL
Percent aggregates – 25
Wind erodibility index - 86 t/a/y

Wind Erodibility Group 4 = Surface Texture - C, SIC, noncalcareous CL, SICL(>35% CLAY)
Percent aggregates - 25
Wind erodibility index 86 t/a/y

Wind Erodibility Group 4L = Surface texture - calcareous L/SIL/CL, SICL
Percent aggregates – 25
Wind Erodibility index - 86 t/a/y

Wind Erodibility Group 5 = Surface texture - noncalcareous L/SIL(<20% CLAY), SCL, SC
Percent aggregates – 40
Wind erodibility index 56 t/a/y

Wind Erodibility Group 6 = Surface texture - noncalcareous L/SIL(>20% CLAY), CL(<35% CLAY)
Percent aggregates - 45
Wind erodibility index - 48 t/a/y.

Wind Erodibility Group 7 = Surface texture - SI, noncalcareous SICL(<35% CLAY)
Percent aggregates 50
Wind erodibility index -38 t/a/y

Wind Erodibility Group 8 = Erosion not a problem

Drain Class:

E = Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

MW = Moderately Well. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

P = Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

SE = Somewhat Excessively. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

SP = Somewhat Poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

VP = Very Poorly. Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

W = Well. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.