

US EPA ARCHIVE DOCUMENT

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TABLE 1
 SUMMARY OF CONSTITUENTS DETECTED IN SOIL
 ADDITIONAL SAMPLING - DIOXIN DELINEATION
 CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
 NORTH PROVIDENCE, RHODE ISLAND

	Location ID	01-DEL-100	01-DEL-201	01-DEL-202	01-DEL-203	01-DEL-300					
	Sample ID	2108338	2108336	2108340	2108339	2108337					
	Sample Date	7/22/02	7/22/02	7/22/02	7/22/02	7/22/02					
	Sample Time	1755	1640	1820	1805	1740					
	Sample Depth	0.0-2.0'	0.0-2.0'	0.0-2.0'	0.0-2.0'	0.0-2.0'					
	Laboratory	STL	STL	STL	STL	STL					
	Lot Number	G2G240279	G2G240279	G2G240279	G2G240279	G2G240279					
	Lab. Number	016	014	018	017	015					
	Date Dioxins/Furans Analyzed	8/11/02	8/11/02	8/11/02	8/11/02	8/11/02					
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	40000 DE J	40000.0	9500 D	9500.0	800	800.0	8600 ED J	8600.0	8400 D	8400.0
Total TCDD	-	40000	-	9600	-	910	-	8800	-	8600	-
1,2,3,7,8-PeCDD	1.000	29	29.0	22	22.0	24	24.0	21	21.0	24	24.0
Total PeCDD	-	110	-	170	-	180	-	110	-	91	-
1,2,3,4,7,8-HxCDD	0.100	34	3.4	26	2.6	35	3.5	23	2.3	29	2.9
1,2,3,6,7,8-HxCDD	0.100	120	12.0	85	8.5	110	11.0	72	7.2	150	15.0
1,2,3,7,8,9-HxCDD	0.100	87	8.7	77	7.7	62	6.2	66	6.6	110	11.0
Total HxCDD	-	790	-	780	-	1000	-	650	-	1000	-
1,2,3,4,6,7,8-HpCDD	0.010	2100	21.0	1600	16.0	3200	32.0	1300	13.0	3200	32.0
Total HpCDD	-	3700	-	3000	-	6300	-	2300	-	5800	-
OCDD	0.0001	15000	1.5	15000 D	1.5	35000 D	3.5	11000 D	1.1	29000 D	2.9
2,3,7,8-TCDF	0.100	56 CON	5.6	38 CON	3.8	59 CON	5.9	36 CON	3.6	38 CON	3.8
Total TCDF	-	970	-	400	-	340	-	730	-	300	-
1,2,3,7,8-PeCDF	0.050	23	1.2	23	1.2	25	1.2	20	1.0	16	0.8
2,3,4,7,8-PeCDF	0.500	54	27.0	46	23.0	48	24.0	51	26.0	57	28.0
Total PeCDF	-	1200	-	750	-	720	-	1000	-	510	-
1,2,3,4,7,8-HxCDF	0.100	58	5.8	79	7.9	120	12.0	77	7.7	120	12.0
1,2,3,6,7,8-HxCDF	0.100	56	5.6	71	7.1	100	10.0	51	5.1	65	6.5
2,3,4,6,7,8-HxCDF	0.100	28	2.8	57	5.7	53	5.3	28	2.8	28	2.8
1,2,3,7,8,9-HxCDF	0.100	<2.0	0	<2.2	0	<2.4	0.0	<1.3	0	<1.9	0.0
Total HxCDF	-	1800	-	1200	-	1200	-	1300	-	1100	-
1,2,3,4,6,7,8-HpCDF	0.010	340	3.4	460 J	4.6	460	4.6	180	1.8	310	3.1
1,2,3,4,7,8,9-HpCDF	0.010	27	0.27	25	0.25	46	0.46	22	0.22	41	0.41
Total HpCDF	-	920	-	1000	-	1300	-	450	-	1100	-
OCDF	0.0001	980	0.098	910 DE J	0.091	1300 D	0.13	430 D	0.04	1100 D	0.11
Total TEQ Concentration	-	-	40127	-	9612	-	944	-	8699	-	8545

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		02-DEL-100		02-DEL-100		02-DEL-201		02-DEL-202		02-DEL-203	
Sample ID		2108334		2108335 (Duplicate)		2108332		2108330		2108331	
Sample Date		7/22/02		7/22/02		7/22/02		7/22/02		7/22/02	
Sample Time		1500		1500		1420		1335		1410	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G240279		G2G240279		G2G240279		G2G240279		G2G240279	
Lab. Number		012		013		010		008		009	
Date Dioxins/Furans Analyzed		8/11/02		8/11/02		8/11/02		8/8/02		8/8/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	13	13	11	11	43 D	43	29	29	41	41
Total TCDD	-	15	-	14	-	43	-	33	-	44	-
1,2,3,7,8-PeCDD	1.000	<0.78	0	<0.65	0	<4.4 D	0	<0.29	0	<0.36	0
Total PeCDD	-	<2.0	-	<1.4	-	<4.4 D	-	<1.7	-	<1.0	-
1,2,3,4,7,8-HxCDD	0.100	<0.57	0	<0.36	0	<1.1	0	<0.31	0	<0.30	0
1,2,3,6,7,8-HxCDD	0.100	<1.6	0	<1.1	0	<0.90	0	<0.72	0	<0.77	0
1,2,3,7,8,9-HxCDD	0.100	<1.5	0	<1.2	0	<2.2	0	<0.75	0	<0.88	0
Total HxCDD	-	11	-	4.2	-	8.4	-	<2.5	-	<2.5	-
1,2,3,4,6,7,8-HpCDD	0.010	14	0.14	11	0.11	12	0.12	9.3	0.093	13	0.13
Total HpCDD	-	27	-	23	-	27	-	19	-	25	-
OCDD	0.0001	94	0.0094	81	0.0081	72	0.0072	64	0.0064	220	0.022
2,3,7,8-TCDF	0.100	3.8 CON	0.38	3.2 CON	0.32	3.3 CON	0.33	3.5 CON	0.35	2.5 CON	0.25
Total TCDF	-	28	-	19	-	18	-	18	-	14	-
1,2,3,7,8-PeCDF	0.050	<1.8	0	<1.6	0	<1.1	0	<1.2	0	<0.83	0
2,3,4,7,8-PeCDF	0.500	2.8 J	1.4	<2.0	0	3.8 J	1.9	<1.2	0	<1.0	0
Total PeCDF	-	25	-	12	-	12	-	5.3	-	4.1	-
1,2,3,4,7,8-HxCDF	0.100	2.8 J	0.28	<2.4	0	<2.2	0	<1.8	0	<1.4	0
1,2,3,6,7,8-HxCDF	0.100	<2.1	0	<2.0	0	<0.84	0	<0.82	0	<0.72	0
2,3,4,6,7,8-HxCDF	0.100	<2.3	0	<2.1	0	<0.84	0	<0.75	0	<0.76	0
1,2,3,7,8,9-HxCDF	0.100	<0.20	0	<0.18	0	<0.22	0	<0.078	0	<0.055	0
Total HxCDF	-	21	-	14	-	10	-	6.8	-	7.1	-
1,2,3,4,6,7,8-HpCDF	0.010	7.1	0.071	6.2	0.062	5.1 J	0.051	3.7 J	0.037	3.9 J	0.039
1,2,3,4,7,8,9-HpCDF	0.010	<0.82	0	<0.55	0	<0.74	0	<0.33	0	<0.34	0
Total HpCDF	-	12	-	9.9	-	8.2	-	3.7	-	4.0	-
OCDF	0.0001	8.4 J	0.00084	7.1 J	0.00071	<5.5	0	<4.2	0	<4.8	0
Total TEQ Concentration	-	-	15	-	12	-	45	-	29	-	41

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		02-DEL-300		03-DEL-101		03-DEL-102		03-DEL-103		03-DEL-201	
Sample ID		2108333		2108328		2108327		2108329		2108324	
Sample Date		7/22/02		7/22/02		7/22/02		7/22/02		7/22/02	
Sample Time		1430		1030		1010		1045		1105	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G240279		G2G240279		G2G240279		G2G240279		G2G240279	
Lab. Number		011		002		001		003		004	
Date Dioxins/Furans Analyzed		8/11/02		8/8/02		8/8/02		8/8/02		8/8/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	13	13	120	120.0	4.4	4.4	630 E J	630.0	370	370.0
Total TCDD	-	17	-	140	-	6.3	-	640	-	390	-
1,2,3,7,8-PeCDD	1.000	<0.59	0	<2.6	0	<0.41	0	5.1 J	5.1	4.1 J	4.1
Total PeCDD	-	<1.9	-	13	-	<1.0	-	22	-	11	-
1,2,3,4,7,8-HxCDD	0.100	<0.47	0	<1.8	0	<0.24	0	4.1 J	0.41	4.1 J	0.41
1,2,3,6,7,8-HxCDD	0.100	<1.1	0	4.1 J	0.41	<0.46	0	9.8	0.98	13	1.3
1,2,3,7,8,9-HxCDD	0.100	<1.3	0	<2.8	0	<0.44	0	12	1.2	12	1.2
Total HxCDD	-	3.5	-	42	-	<2.4	-	110	-	98	-
1,2,3,4,6,7,8-HpCDD	0.010	8.4	0.084	40	0.4	5.3 J	0.053	320	3.2	250	2.5
Total HpCDD	-	16	-	77	-	10	-	520	-	460	-
OCDD	0.0001	51	0.0051	220	0.022	33	0.0033	2200	0.22	1500	0.15
2,3,7,8-TCDF	0.100	3.4 CON	0.34	10 CON	1.0	1.0 CON J	0.1	5.7 CON	0.57	5.8 CON	0.58
Total TCDF	-	22	-	100	-	9.3	-	54	-	49	-
1,2,3,7,8-PeCDF	0.050	<1.6	0	6.0 J	0.3	<0.66	0	<2.4	0	<2.5	0
2,3,4,7,8-PeCDF	0.500	<2.4	0	12	6.0	<0.89	0	4.2 J	2.1	4.5 J	2.2
Total PeCDF	-	34	-	160	-	8.2	-	35	-	55	-
1,2,3,4,7,8-HxCDF	0.100	<2.7	0	9.5	0.95	<1.4	0	5.8 J	0.58	6.4	0.64
1,2,3,6,7,8-HxCDF	0.100	2.8 J	0.28	9.2	0.92	<0.90	0	3.9 J	0.39	5.3 J	0.53
2,3,4,6,7,8-HxCDF	0.100	2.8 J	0.28	11	1.1	<0.74	0	4.2 J	0.42	4.3 J	0.43
1,2,3,7,8,9-HxCDF	0.100	<0.37	0	<0.51	0	<0.14	0	<0.21	0	<0.18	0
Total HxCDF	-	32	-	130	-	3.8	-	71	-	140	-
1,2,3,4,6,7,8-HpCDF	0.010	4.7 J	0.047	32	0.32	<2.9	0	21	0.21	39	0.39
1,2,3,4,7,8,9-HpCDF	0.010	<0.60	0	<3.0	0	<0.61	0	<1.7	0	<2.6	0
Total HpCDF	-	7.9	-	48	-	<2.9	-	37	-	86	-
OCDF	0.0001	<4.6	0	21	0.0021	<2.8	0	24	0.0024	74	0.0074
Total TEQ Concentration	-	-	14	-	131	-	5	-	645	-	384

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		03-DEL-202		03-DEL-203		03/04-DEL-101		03/04-DEL-102		03/04-DEL-102	
Sample ID		2108325		2108326		2108320		2108321		2108322 (Duplicate)	
Sample Date		7/22/02		7/22/02		7/19/02		7/19/02		7/19/02	
Sample Time		1115		1130		1510		1520		1520	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G240279		G2G240279		G2G230229		G2G230229		G2G230229	
Lab. Number		005		006		018		019		020	
Date Dioxins/Furans Analyzed		8/8/02		8/8/02		8/7/02		8/7/02		8/9/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	15	15.0	4.3	4.3	1200 E EB	1200.0	280 EB	280.0	130 EB	130.0
Total TCDD	-	19	-	4.3	-	1300 EB	-	290 EB	-	130 EB	-
1,2,3,7,8-PeCDD	1.000	<1.2	0	<0.37	0	11 J	11.0	<2.9	0	<2.3	0
Total PeCDD	-	<2.6	-	<0.45	-	28	-	4.8	-	<2.3	0
1,2,3,4,7,8-HxCDD	0.100	<2.2	0	<0.38	0	19	1.9	<3.1	0	<2.6	0
1,2,3,6,7,8-HxCDD	0.100	12	1.2	<2.7	0	57	5.7	12	1.2	9.2	0.92
1,2,3,7,8,9-HxCDD	0.100	6.0	0.6	<1.6	0	47	4.7	11	1.1	7.1 J	0.71
Total HxCDD	-	60	-	5.1	-	310	-	77	-	57	-
1,2,3,4,6,7,8-HpCDD	0.010	450	4.5	48	0.48	1400	14.0	240	2.4	200	2.0
Total HpCDD	-	820	-	88	-	2600	-	440	-	350	-
OCDD	0.0001	3700	0.37	290	0.029	11000 E J	1.1	1800	0.18	1600	0.16
2,3,7,8-TCDF	0.100	3.4 CON	0.34	<0.44 CON	0	6.2 CON	0.62	5.3 CON	0.53	4.4 CON	0.44
Total TCDF	-	27	-	3.0	-	130	-	43	-	27	-
1,2,3,7,8-PeCDF	0.050	<1.6	0	<0.35	0	<4.5	0	<3.6	0	<2.2	0
2,3,4,7,8-PeCDF	0.500	<2.3	0	<0.73	0	8.1 J	4.0	4.9 J	2.5	<3.6	0
Total PeCDF	-	45	-	15	-	260	-	55	-	41	-
1,2,3,4,7,8-HxCDF	0.100	3.1 J	0.31	<1.2 UJ	0	21	2.1	7.6 J	0.76	4.5 J	0.45
1,2,3,6,7,8-HxCDF	0.100	3.5 J	0.35	<1.2	0	18	1.8	6.7 J	0.67	4.9 J	0.49
2,3,4,6,7,8-HxCDF	0.100	3.7 J	0.37	<1.4	0	12	1.2	6.6 J	0.66	5.4 J	0.54
1,2,3,7,8,9-HxCDF	0.100	<0.13	0	<0.14	0	<0.70	0	<0.39	0	<0.32	0
Total HxCDF	-	90	-	17	-	340	-	100	-	80	-
1,2,3,4,6,7,8-HpCDF	0.010	62	0.62	6.6	0.066	210	2.1	47	0.47	50	0.50
1,2,3,4,7,8,9-HpCDF	0.010	3.1 J	0.031	<0.53	0	16	0.16	4.2 J	0.042	<3.2	0
Total HpCDF	-	200	-	16	-	600	-	120	-	1110	-
OCDF	0.0001	180	0.018	7.2 J	0.00072	790	0.079	97	0.0097	92	0.0092
Total TEQ Concentration	-	-	24	-	5	-	1250	-	291	-	136

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		03/04-DEL-103		04-DEL-100		04-DEL-201		04-DEL-202		04-DEL-203	
Sample ID		2108319		2108318		2108316		2108315		2108313	
Sample Date		7/19/02		7/19/02		7/19/02		7/19/02		7/19/02	
Sample Time		1455		1420		1355		1345		1320	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G230229		G2G230229		G2G230229		G2G230229		G2G230229	
Lab. Number		017		016		014		013		011	
Date Dioxins/Furans Analyzed		8/7/02		8/7/02		8/7/02		8/7/02		8/7/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	1900 <i>EB</i>	1900.0	3.3 <i>EB</i>	3.3	140 <i>EB</i>	140.0	57 <i>EB</i>	57.0	310 <i>EB</i>	310.0
Total TCDD	-	1900 <i>EB</i>	-	5.7 <i>EB</i>	-	140 <i>EB</i>	-	59 <i>EB</i>	-	320 <i>EB</i>	-
1,2,3,7,8-PeCDD	1.000	9.9	9.9	<0.65	0	<0.80	0	<0.59	0	<1.2	0
Total PeCDD	-	27	-	<1.6	-	<0.80	-	<1.1	-	<1.9	-
1,2,3,4,7,8-HxCDD	0.100	10	1.0	<0.43	0	<0.94	0	<0.49	0	<1.2	0
1,2,3,6,7,8-HxCDD	0.100	28	2.8	<1.6	0	<2.5	0	<0.96	0	<3.8	0
1,2,3,7,8,9-HxCDD	0.100	34	3.4	<1.6	0	<2.6	0	<1.3	0	<3.4	0
Total HxCDD	-	200	-	4.0	-	10	-	3.1	-	17	-
1,2,3,4,6,7,8-HpCDD	0.010	730	7.3	21	0.21	41	0.41	18	0.18	81	0.81
Total HpCDD	-	1200	-	38	-	77	-	35	-	150	-
OCDD	0.0001	4800	0.48	130	0.013	210	0.021	110	0.011	480	0.048
2,3,7,8-TCDF	0.100	12 CON	1.2	1.9 CON	0.19	0.76 CON J	0.076	0.88 CON J	0.088	1.4 J CON	0.14
Total TCDF	-	130	-	19	-	2.9	-	4.5	-	6.9	-
1,2,3,7,8-PeCDF	0.050	5.9 J	0.29	<1.1	0	<0.50	0	<0.52	0	<0.81	0
2,3,4,7,8-PeCDF	0.500	15	7.5	<1.4	0	<0.60	0	<0.63	0	<0.96	0
Total PeCDF	-	240	-	4.9	-	<1.8	-	<2.3	-	4.9	-
1,2,3,4,7,8-HxCDF	0.100	20	2.0	<2.7	0	<1.4	0	<0.86	0	<1.3	0
1,2,3,6,7,8-HxCDF	0.100	14	1.4	<1.0	0	<0.73	0	<0.51	0	<1.2	0
2,3,4,6,7,8-HxCDF	0.100	15	1.5	<1.4	0	<0.82	0	<0.49	0	<1.2	0
1,2,3,7,8,9-HxCDF	0.100	<0.66	0	<0.20	0	<0.17	0	<0.21	0	<0.33	0
Total HxCDF	-	310	-	6.6	-	4.7	-	<2.1	-	15	-
1,2,3,4,6,7,8-HpCDF	0.010	61	0.61	7.2	0.072	5.4 J	0.054	3.4 J	0.034	10	0.10
1,2,3,4,7,8,9-HpCDF	0.010	6.0 J	0.06	<0.64	0	<0.46	0	<0.29	0	<0.83	0
Total HpCDF	-	140	-	13	-	11	-	3.4	-	22	-
OCDF	0.0001	110	0.011	6.9 J	0.00069	10 J	0.001	<4.9	0	19	0.001900
Total TEQ Concentration	-	-	1939	-	4	-	141	-	57	-	311

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		05-DEL-100		05-DEL-200		06-DEL-100		06-DEL-200		07-DEL-100	
Sample ID		2108311		2108310		2108295		2108294		2108303	
Sample Date		7/19/02		7/19/02		7/18/02		7/18/02		7/19/02	
Sample Time		1250		1240		1100		1045		925	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G230229		G2G230229		G2G220146		G2G220146		G2G230229	
Lab. Number		009		008		002		001		001	
Date Dioxins/Furans Analyzed		8/7/02		8/7/02		8/14/02		8/14/02		8/7/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	46 <i>EB</i>	46.0	2.1 <i>EB</i>	2.1	1.4 <i>J</i>	1.4	<0.22	0	4.5 <i>EB</i>	4.5
Total TCDD	-	49 <i>EB</i>	-	15 <i>EB</i>	-	1.4	-	<0.22	-	11 <i>EB</i>	-
1,2,3,7,8-PeCDD	1.000	<1.3	0	<1.9	0	<0.69	0	<0.43	0	<1.2	0
Total PeCDD	-	<2.6	-	13	-	<0.69	-	<0.43	-	<3.9	-
1,2,3,4,7,8-HxCDD	0.100	<2.4	0	<1.8	0	<0.32	0	<0.22	0	<1.1	0
1,2,3,6,7,8-HxCDD	0.100	45	4.5	3.2 <i>J</i>	0.32	<0.49	0	<0.24	0	4.8 <i>J</i>	0.48
1,2,3,7,8,9-HxCDD	0.100	9.1	0.91	4.2 <i>J</i>	0.42	<0.39	0	<0.22	0	4.0 <i>J</i>	0.4
Total HxCDD	-	180	-	39	-	<0.92	-	<0.29	-	34	-
1,2,3,4,6,7,8-HpCDD	0.010	4300 <i>D</i>	43.0	54	0.54	7.0 <i>J</i>	0.07	<1.2	0	110 <i>J</i>	1.1
Total HpCDD	-	9500	-	120	-	14	-	<1.2	-	230	-
OCDD	0.0001	84000 <i>DE J</i>	8.4	490	0.049	110	0.011	9.3 <i>J</i>	0.000930	1600	0.16
2,3,7,8-TCDF	0.100	1.4 <i>CON</i>	0.14	6.1 <i>CON</i>	0.61	<0.52	0	<0.26	0	3.7 <i>CON</i>	0.37
Total TCDF	-	15	-	95	-	<0.52	-	<0.26	-	62	-
1,2,3,7,8-PeCDF	0.050	<0.98	0	5.4 <i>J</i>	0.27	<0.54	0	<0.34	0	2.8 <i>J</i>	0.14
2,3,4,7,8-PeCDF	0.500	<2.1	0	6.2	3.1	<0.52	0	<0.34	0	4.8 <i>J</i>	2.4
Total PeCDF	-	29	-	53	-	<0.85	-	<0.34	-	120	-
1,2,3,4,7,8-HxCDF	0.100	3.5 <i>J</i>	0.35	6.9	0.69	<0.28	0	<0.18	0	4.4 <i>J</i>	0.44
1,2,3,6,7,8-HxCDF	0.100	<2.8	0	5.9	0.59	<0.35	0	<0.18	0	6.5	0.65
2,3,4,6,7,8-HxCDF	0.100	<3.0	0	6.5	0.65	<0.28	0	<0.20	0	5.7	0.57
1,2,3,7,8,9-HxCDF	0.100	<0.35	0	<0.36	0	<0.29	0	<0.20	0	<0.28	0
Total HxCDF	-	130	-	40	-	<2.1	-	<0.20	-	100	-
1,2,3,4,6,7,8-HpCDF	0.010	130	1.3	20	0.2	6.2 <i>J</i>	0.062	<0.39	0	34	0.34
1,2,3,4,7,8,9-HpCDF	0.010	5.8 <i>J</i>	0.058	<1.8	0	<0.31	0	<0.21	0	<1.9	0
Total HpCDF	-	700	-	27	-	15	-	<0.39	-	68	-
OCDF	0.0001	440 <i>D</i>	0.044	13	0.0013	24	0.0024	<0.38	0	41	0.0041
Total TEQ Concentration	-	-	105	-	10	-	2	-	0	-	12

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		07-DEL-201		07-DEL-202		07-DEL-203		07-DEL-300		07-DEL-400	
Sample ID		2108306		2108304		2108305		2108308		2108307	
Sample Date		7/18/02		7/19/02		7/19/02		7/19/02		7/19/02	
Sample Time		1000		935		950		1035		1025	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G230229		G2G230229		G2G230229		G2G230229		G2G230229	
Lab. Number		004		002		003		006		005	
Date Dioxins/Furans Analyzed		8/7/02		8/7/02		8/7/02		8/7/02		8/7/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result (pg/g)	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	370 <i>EB</i>	370.0	61 <i>EB</i>	61.0	340 <i>EB</i>	340.0	28 <i>EB</i>	28.0	9.6 <i>EB</i>	9.6
Total TCDD	-	440 <i>EB</i>	-	160 <i>EB</i>	-	470 <i>EB</i>	-	33 <i>EB</i>	-	18 <i>EB</i>	-
1,2,3,7,8-PeCDD	1.000	6.8 J	6.8	7.0	7.0	14	14.0	<1.1	0	<1.2	0
Total PeCDD	-	61	-	75	-	150	-	<3.0	-	<4.2	0
1,2,3,4,7,8-HxCDD	0.100	9.4	0.94	5.8 J	0.58	11	1.1	<0.87	0	<1.2	0
1,2,3,6,7,8-HxCDD	0.100	23	2.3	23	2.3	43	4.3	<2.7	0	3.4 J	0.34
1,2,3,7,8,9-HxCDD	0.100	14	1.4	15	1.5	30	3.0	<2.7	0	<2.4	0
Total HxCDD	-	210	-	220	-	390	-	23	-	27	-
1,2,3,4,6,7,8-HpCDD	0.010	390	3.9	340	3.4	510	5.1	41	0.41	43	0.43
Total HpCDD	-	740	-	600	-	890	-	73	-	85	-
OCDD	0.0001	2000 J	0.2	1400	0.14	2100	0.21	290	0.03	460	0.046
2,3,7,8-TCDF	0.100	22 CON	2.2	18 CON	1.8	39 CON	3.9	3.0 CON	0.3	4.1 CON	0.41
Total TCDF	-	410	-	360	-	540	-	35	-	57	-
1,2,3,7,8-PeCDF	0.050	19	0.95	15	0.75	28	1.4	<2.3	0	3.6 J	0.18
2,3,4,7,8-PeCDF	0.500	39	20.0	22	11.0	40	20.0	3.4 J	1.7	5.5 J	2.7
Total PeCDF	-	480	-	360	-	550	-	24	-	58	-
1,2,3,4,7,8-HxCDF	0.100	74	7.4	25	2.5	39	3.9	3.2 J	0.32	6.8	0.68
1,2,3,6,7,8-HxCDF	0.100	53	5.3	23	2.3	38	3.8	3.2 J	0.32	5.0 J	0.5
2,3,4,6,7,8-HxCDF	0.100	62	6.2	21	2.1	37	3.7	3.4 J	0.34	5.5 J	0.55
1,2,3,7,8,9-HxCDF	0.100	<2.4	0	<1.1	0	<2.0	0	<0.23	0	<0.28	0
Total HxCDF	-	530	-	250	-	450	-	30	-	51	-
1,2,3,4,6,7,8-HpCDF	0.010	380	3.8	110	1.1	150	1.5	20	0.2	22	0.22
1,2,3,4,7,8,9-HpCDF	0.010	43	0.43	7.7	0.077	12	0.12	<1.4	0	<1.7	0
Total HpCDF	-	620	-	190	-	260	-	36	-	32	-
OCDF	0.0001	310	0.031	93	0.0093	110	0.011	19	0.0019	16	0.0016
Total TEQ Concentration	-	-	432	-	98	-	406	-	32	-	16

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		9-DEL-100		9-DEL-201		9-DEL-202		9-DEL-203		9-DEL-300	
Sample ID		2108289		2108293		2108290		2108292		2108288	
Sample Date		7/17/02		7/17/02		7/17/02		7/17/02		7/17/02	
Sample Time		1530		1630		1545		1610		1520	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G190281		G2G190281		G2G190281		G2G190281		G2G190281	
Lab. Number		008		012		009		011		007	
Date Dioxins/Furans Analyzed		8/15/02		8/15/02		8/15/02		8/15/02		8/15/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	11	11.0	16	16	9.3	9.3	9.7	9.7	3.9	3.9
Total TCDD	-	12	-	21	-	13	-	51	-	5.5	-
1,2,3,7,8-PeCDD	1.000	<0.60	0	<0.82	0	<1.0	0	6.8	6.8	<1.5	0
Total PeCDD	-	<1.2	-	<2.2	-	<3.8	-	47	-	<1.5	-
1,2,3,4,7,8-HxCDD	0.100	<0.43	0	<0.68	0	<0.81	0	5.0 J	0.5	<0.64	0
1,2,3,6,7,8-HxCDD	0.100	<1.7	0	3.2 J	0.32	3.1 J	0.31	15	1.5	3.7 J	0.37
1,2,3,7,8,9-HxCDD	0.100	<1.6	0	<1.3	0	2.9 J	0.29	12	1.2	3.6 J	0.36
Total HxCDD	-	9.0	-	19	-	29	-	160	-	30	-
1,2,3,4,6,7,8-HpCDD	0.010	11	0.11	29	0.29	16	0.16	64	0.64	17	0.17
Total HpCDD	-	21	-	49	-	35	-	130	-	38	-
OCDD	0.0001	66	0.0066	150	0.015	61	0.0061	220	0.022	93	0.0093
2,3,7,8-TCDF	0.100	1.1 J CON	0.11	1.7 CON	0.17	1.6 CON	0.16	15 CON	1.5	2.1 CON	0.21
Total TCDF	-	43	-	57	-	91	-	450	-	37	-
1,2,3,7,8-PeCDF	0.050	<1.3	0	<1.4	0	<2.7	0	18	0.9	<2.0	0
2,3,4,7,8-PeCDF	0.500	3.9 J	1.9	4.5 J	2.2	7.9	3.9	40	20.0	6.3	3.1
Total PeCDF	-	150	-	98	-	280	-	1000	-	170	-
1,2,3,4,7,8-HxCDF	0.100	3.5 J	0.35	3.8 J	0.38	6.7	0.67	48	4.8	5.8	0.58
1,2,3,6,7,8-HxCDF	0.100	6.9	0.69	4.9 J	0.49	11	1.1	58	5.8	13	1.3
2,3,4,6,7,8-HxCDF	0.100	6.0	0.6	3.6 J	0.36	10	1.0	54	5.4	15	1.5
1,2,3,7,8,9-HxCDF	0.100	<0.32	0	<0.58	0	<0.35	0	<1.4	0	<0.51	0
Total HxCDF	-	140	-	88	-	220	-	990	-	260	-
1,2,3,4,6,7,8-HpCDF	0.010	12	0.12	25	0.25	24	0.24	150	1.5	20	0.2
1,2,3,4,7,8,9-HpCDF	0.010	<1.5	0	<2.2	0	<1.7	0	10	0.1	<2.4	0
Total HpCDF	-	27	-	63	-	42	-	260	-	46	-
OCDF	0.0001	<5.0	0	47	0.0047	7.0 J	0.0007	40	0.004	7.6 J	0.00076
Total TEQ Concentration	-	-	15	-	20	-	17	-	60	-	12

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		10-DEL-100		10-DEL-200		10-DEL-301		10-DEL-301		10-DEL-302	
Sample ID		2108299		2108300		2108297		2108298 (Duplicate)		2108296	
Sample Date		7/18/02		7/18/02		7/18/02		7/18/02		7/18/02	
Sample Time		1300		1315		1255		1255		1240	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'		0.0-2.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G220146		G2G220146		G2G220146		G2G220146		G2G220146	
Lab. Number		006		007		004		005		003	
Date Dioxins/Furans Analyzed		8/14/02		8/14/02		8/14/02		8/14/02		8/14/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	12	12.0	41	41.0	320	320.0	360	360.0	97	97.0
Total TCDD	-	27	-	76	-	360	-	410	-	110	-
1,2,3,7,8-PeCDD	1.000	<1.2	0	<1.1	0	4.5 J	4.5	5.2 J	5.2	<1.9	0
Total PeCDD	-	8.7	-	9.6	-	13	-	23	-	<4.1	-
1,2,3,4,7,8-HxCDD	0.100	<0.56	0	<0.77	0	<2.9	0	<3.6	0	<0.69	0
1,2,3,6,7,8-HxCDD	0.100	<1.3	0	<3.0	0	8.2	0.82	11	1.1	<2.6	0
1,2,3,7,8,9-HxCDD	0.100	<1.3	0	<2.9	0	8.5	0.85	10	1.0	<3.0	0
Total HxCDD	-	16	-	24	-	65	-	90	-	18	-
1,2,3,4,6,7,8-HpCDD	0.010	17	0.17	25	0.25	140	1.4	190	1.9	39	0.39
Total HpCDD	-	40	-	51	-	260	-	370	-	76	-
OCDD	0.0001	120	0.012	130	0.013	910	0.091	1200	0.12	260	0.026
2,3,7,8-TCDF	0.100	4.4 CON	0.44	7.9 CON	0.79	8.8 CON	0.88	9.8 CON	0.98	4.5 CON	0.45
Total TCDF	-	36	-	96	-	83	-	150	-	54	-
1,2,3,7,8-PeCDF	0.050	<2.9	0	4.3 J	0.21	<2.8	0	<4.0	0	<1.9	0
2,3,4,7,8-PeCDF	0.500	<2.6	0	4.4 J	2.20	5.6 J	2.8	5.1 J	2.5	<2.7	0
Total PeCDF	-	8.8	-	54	-	82	-	140	-	25	-
1,2,3,4,7,8-HxCDF	0.100	<2.2	0	<4.0	0	6.0 J	0.6	5.8 J	0.58	<2.7	0
1,2,3,6,7,8-HxCDF	0.100	<2.0	0	<3.1	0	5.2 J	0.52	5.4 J	0.54	<2.2	0
2,3,4,6,7,8-HxCDF	0.100	<1.7	0	<3.1	0	<3.3	0	<3.6	0	<1.7	0
1,2,3,7,8,9-HxCDF	0.100	<0.36	0	<0.35	0	<0.39	0	<0.35	0	<0.37	0
Total HxCDF	-	6.2	-	18	-	74	-	83	-	13	-
1,2,3,4,6,7,8-HpCDF	0.010	10	0.1	17	0.17	43	0.43	49	0.49	15	0.15
1,2,3,4,7,8,9-HpCDF	0.010	<0.64	0	<1.1	0	<2.5	0	<2.2	0	<0.96	0
Total HpCDF	-	15	-	25	-	82	-	94	-	27	-
OCDF	0.0001	10 J	0.001	13 J	0.0013	44	0.0044	52	0.0052	17	0.0017
Total TEQ Concentration	-	-	13	-	45	-	333	-	374	-	98

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID		10-DEL-303		11-DEL-100		12-DEL-101		12-DEL102		12-DEL-103	
Sample ID		2108301		2108286		2108282		2108283		2108284	
Sample Date		7/18/02		7/17/02		7/17/02		7/17/02		7/17/02	
Sample Time		1330		1410		1245		1300		1315	
Sample Depth		0.0-2.0'		0.0-2.0'		0.0-1.0'		0.0-2.0'		0.0-1.0'	
Laboratory		STL		STL		STL		STL		STL	
Lot Number		G2G220146		G2G190281		G2G190281		G2G190281		G2G190281	
Lab. Number		008		005		001		002		003	
Date Dioxins/Furans Analyzed		8/14/02		8/15/02		8/15/02		8/15/02		8/15/02	
Constituent	TEF	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ	Result	TEQ
2,3,7,8-TCDD	1.000	1200 D	1200.0	50	50.0	800	800.0	8.1	8.1	530	530.0
Total TCDD	-	1300	-	57	-	860	-	16	-	670	-
1,2,3,7,8-PeCDD	1.000	15	15.0	<1.0	0	7.9 J	7.9	<2.4	0	20	20.0
Total PeCDD	-	77	-	<2.8	-	16	-	3.3	-	100	-
1,2,3,4,7,8-HxCDD	0.100	12	1.2	<1.1	0	<5.8	0	<2.3 D	0	26	2.6
1,2,3,6,7,8-HxCDD	0.100	97	9.7	<1.8	0	16	1.6	<3.3 D	0	96	9.6
1,2,3,7,8,9-HxCDD	0.100	33	3.3	<2.2	0	20	2.0	<3.7 D	0	70	7.0
Total HxCDD	-	390	-	9.8	-	110	-	<11	-	680	-
1,2,3,4,6,7,8-HpCDD	0.010	3300	33.0	19	0.19	210	2.1	27	0.27	980	9.8
Total HpCDD	-	5200	-	34	-	390	-	61	-	1700	-
OCDD	0.0001	42000 D	4.2	120	0.012	1100	0.11	85	0.0085	3700	0.37
2,3,7,8-TCDF	0.100	27 CON	2.7	2.9 CON	0.29	10 CON	1.0	3.3 CON	0.33	28 CON	2.8
Total TCDF	-	460	-	23	-	110	-	29	-	320	-
1,2,3,7,8-PeCDF	0.050	8.7 J	0.43	<1.8	0	<3.9	0	<2.3	0	23	1.2
2,3,4,7,8-PeCDF	0.500	16	8.0	<2.1	0	6.1 J	3.1	<1.9	0	31	16.0
Total PeCDF	-	300	-	6.3	-	62	-	5.7	-	350	-
1,2,3,4,7,8-HxCDF	0.100	39	3.9	<3.5	0	6.5 J	0.65	<2.0	0	53	5.3
1,2,3,6,7,8-HxCDF	0.100	15	1.5	<1.6	0	6.7 J	0.67	<1.9	0	41	4.1
2,3,4,6,7,8-HxCDF	0.100	9.7	0.97	<1.2	0	<3.9	0	<2.5	0	29	2.9
1,2,3,7,8,9-HxCDF	0.100	<0.94	0	<1.3	0	<0.73	0	<0.41	0	<2.4	0
Total HxCDF	-	610	-	5.0	-	110	-	6.7	-	630	-
1,2,3,4,6,7,8-HpCDF	0.010	620	6.2	11	0.11	64	0.64	9.4	0.094	580	5.8
1,2,3,4,7,8,9-HpCDF	0.010	70	0.7	<1.2	0	<4.2	0	<1.6	0	33	0.33
Total HpCDF	-	2700	-	18	-	120	-	18	-	1200	-
OCDF	0.0001	1800 D	0.18	11 J	0.0011	78	0.0078	8.7 J	0.00087	400	0.04
Total TEQ Concentration	-	-	1291	-	51	-	820	-	9	-	618

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Location ID	12-DEL-200		
Sample ID	2108287		
Sample Date	7/17/02		
Sample Time	1435		
Sample Depth	0.0-1.5'		
Laboratory	STL		
Lot Number	G2G190281		
Lab. Number	006		
Date Dioxins/Furans Analyzed	8/15/02		
Constituent	TEF	Result	TEQ
2,3,7,8-TCDD	1.000	2.7	2.70
Total TCDD	-	5.8	-
1,2,3,7,8-PeCDD	1.000	<0.71	0
Total PeCDD	-	<2.0	-
1,2,3,4,7,8-HxCDD	0.100	<1.1	0
1,2,3,6,7,8-HxCDD	0.100	4.4 J	0.44
1,2,3,7,8,9-HxCDD	0.100	<3.6	0
Total HxCDD	-	17	-
1,2,3,4,6,7,8-HpCDD	0.010	81	0.81
Total HpCDD	-	160	-
OCDD	0.0001	870	0.087
2,3,7,8-TCDF	0.100	1.9 CON	0.19
Total TCDF	-	20	-
1,2,3,7,8-PeCDF	0.050	<1.4	0
2,3,4,7,8-PeCDF	0.500	<1.7	0
Total PeCDF	-	14	-
1,2,3,4,7,8-HxCDF	0.100	<2.6	0
1,2,3,6,7,8-HxCDF	0.100	<2.2	0
2,3,4,6,7,8-HxCDF	0.100	<1.8	0
1,2,3,7,8,9-HxCDF	0.100	<0.47	0
Total HxCDF	-	17	-
1,2,3,4,6,7,8-HpCDF	0.010	22	0.22
1,2,3,4,7,8,9-HpCDF	0.010	<1.7	0
Total HpCDF	-	56	-
OCDF	0.0001	38	0.0038
Total TEQ Concentration	-		4

TABLE 1 (continued)
SUMMARY OF CONSTITUENTS DETECTED IN SOIL
ADDITIONAL SAMPLING - DIOXIN DELINEATION
CENTREDALE MANOR RESTORATION PROJECT SUPERFUND SITE
NORTH PROVIDENCE, RHODE ISLAND

Notes to Table 1

Laboratory results of samples analyzed by STL using USEPA Method 8290; results have been adjusted for dry weight

pg/g = picograms per gram = parts per trillion (ppt)

TEQ = Toxic Equivalents

Total TEQ concentration reported to the nearest pg/g

TEF = Toxic Equivalency Factor provided by World Health Organization (WHO) (7/23/99)

Immuno-assay results of samples screened by LEA using USEPA Method 4025

J = Estimated result; result is less than the reporting limit

CON = Confirmation analysis

D = Result was obtained from the analysis of a dilution

E = Estimated result; result concentration exceeds the calibration range

LEA = Loureiro Engineering Associates, Inc.

STL = Severn Trent Laboratories, Inc. - Sacramento

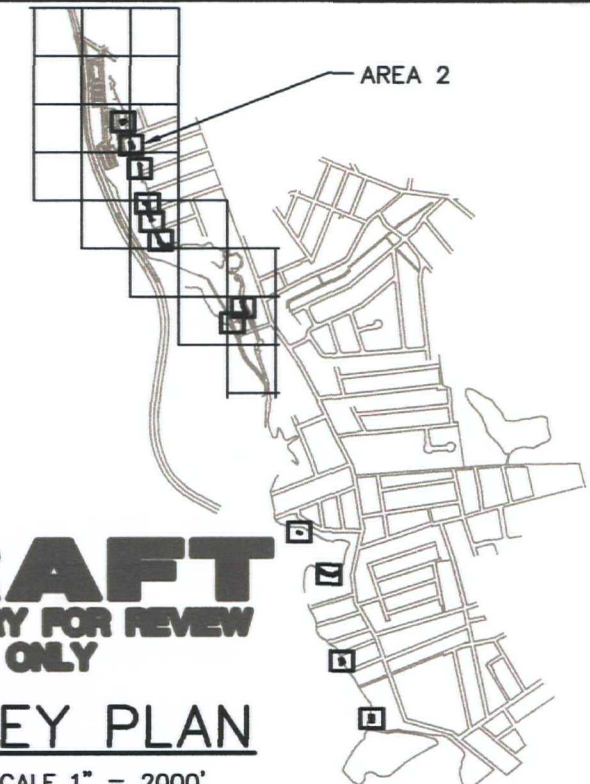
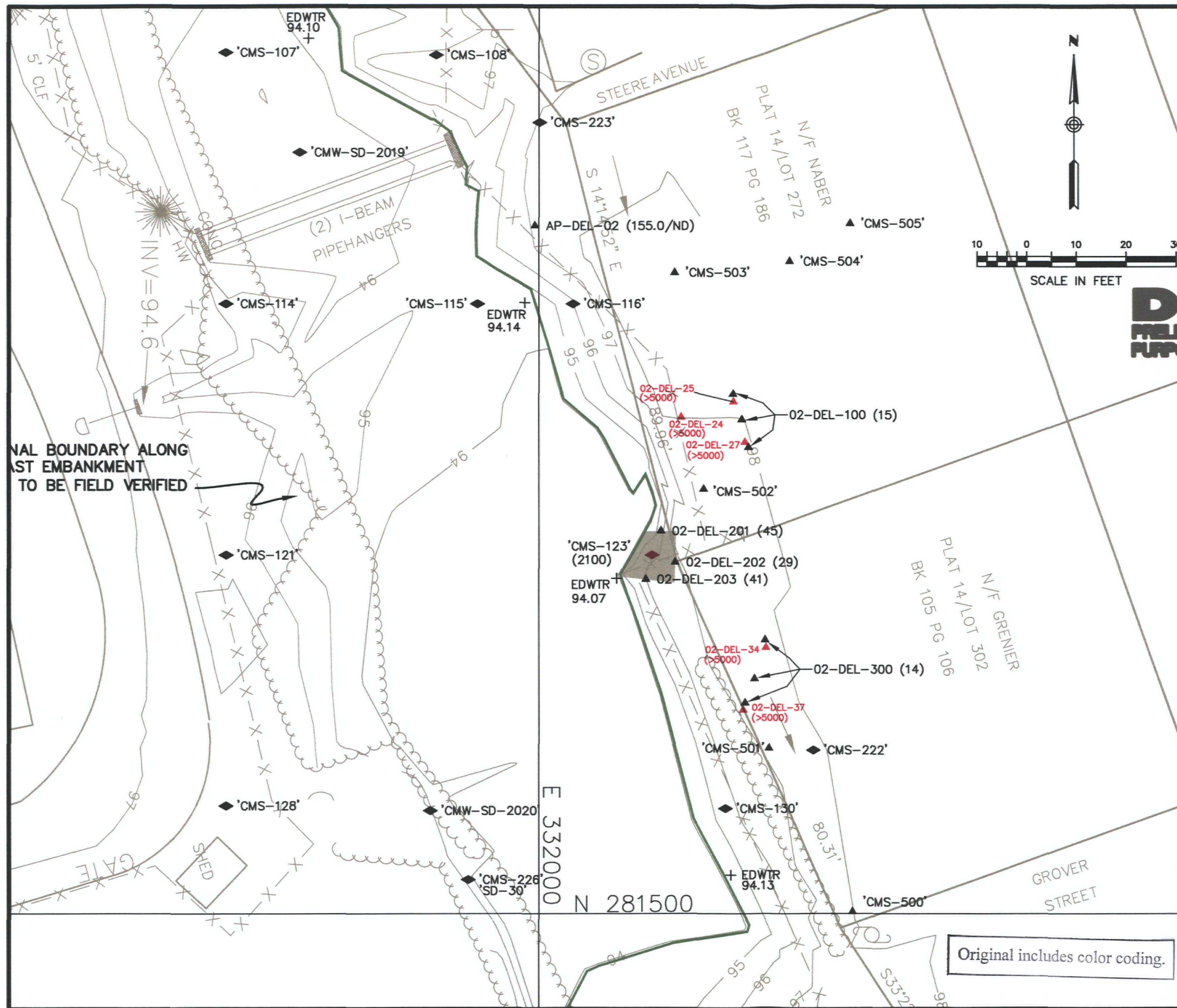
Data Validation Qualifiers presented in Italics:

UJ = The compound was analyzed for, but not detected. The associated numerical value is the estimated sample quantitation limit.

J = The associated numerical value is an estimated quantity.

EB = The compound was detected in aqueous equipment blank associated soil samples.

E = Analyte was flagged by the laboratory; the analyte was further qualified by the reviewer.



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PRELIMINARY FOR REVIEW
PURPOSES ONLY

KEY PLAN

SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1000 ppt
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1000 ppt (2100)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1000 ppt
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1000 ppt (2100)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION (TOTAL TEQ CONCENTRATION IN ppt) (50.9/78.9)
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION (TOTAL TEQ CONCENTRATION IN ppt) (< 1000 ppt)
- ▲ 01-DEL-201 JULY 2002 SAMPLE LOCATION (TOTAL TEQ CONCENTRATION IN ppt) (>1000 ppt)
- PROPOSED AREA OF EXCAVATION
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ▲ PROPOSED SAMPLE LOCATION
- ▲ PROPOSED SAMPLE LOCATION "TO BE HELD"
- ◆ PIEZOMETER LOCATION
- ppt PARTS PER TRILLION

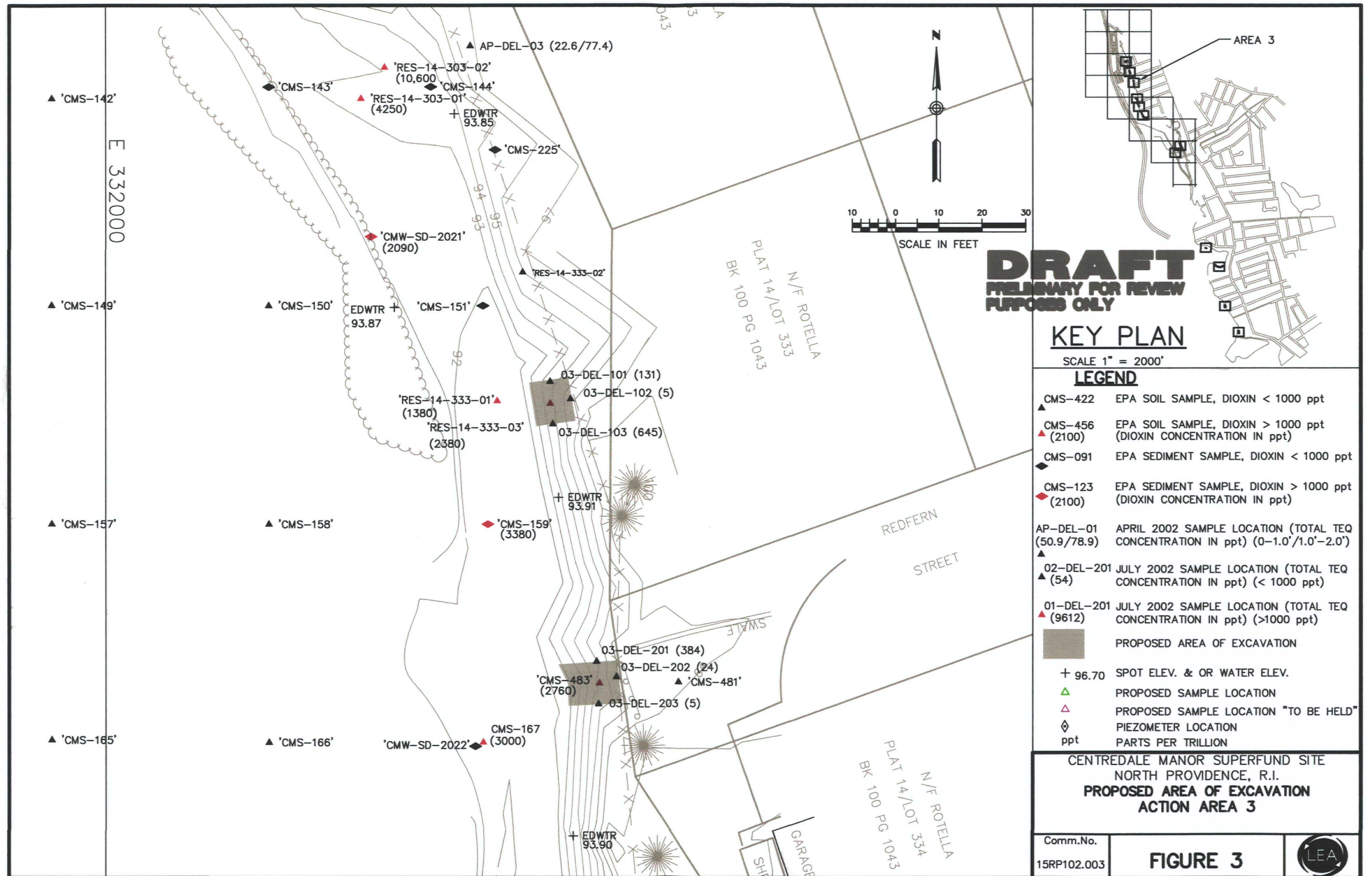
CENTREDALE MANOR SUPERFUND SITE
NORTH PROVIDENCE, R.I.
**PROPOSED AREA OF EXCAVATION
ACTION AREA 2**

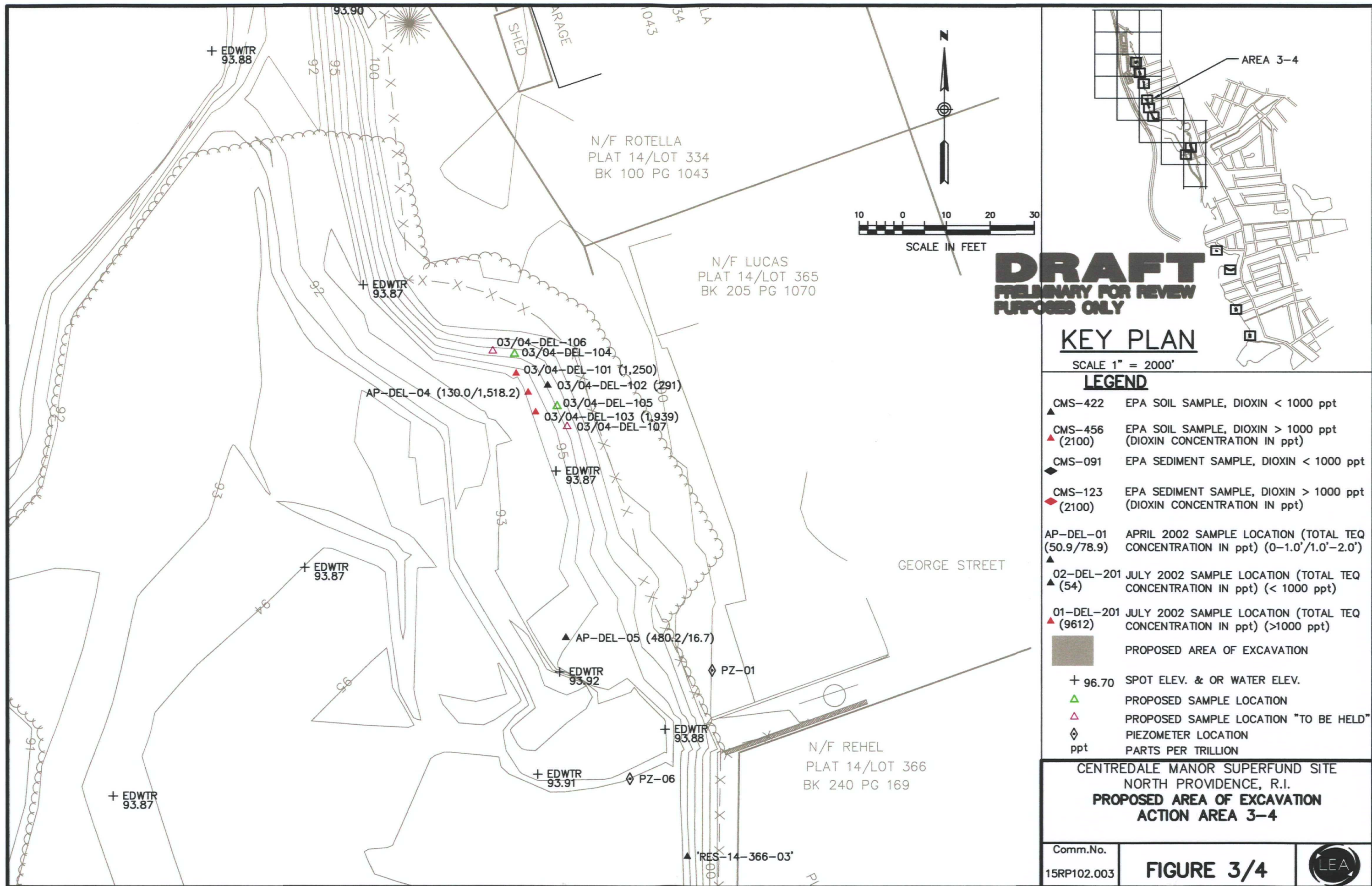
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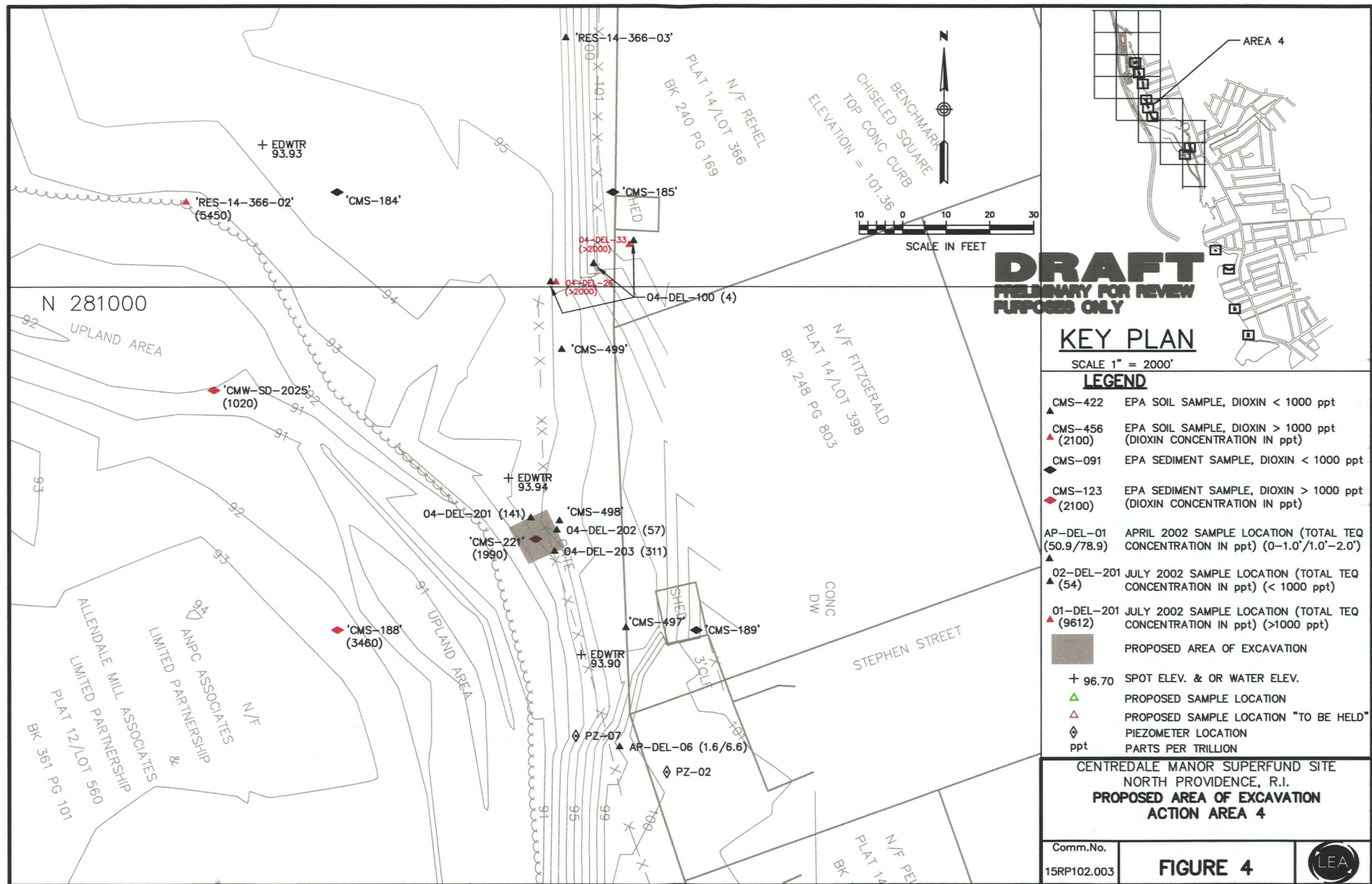
Comm.No.
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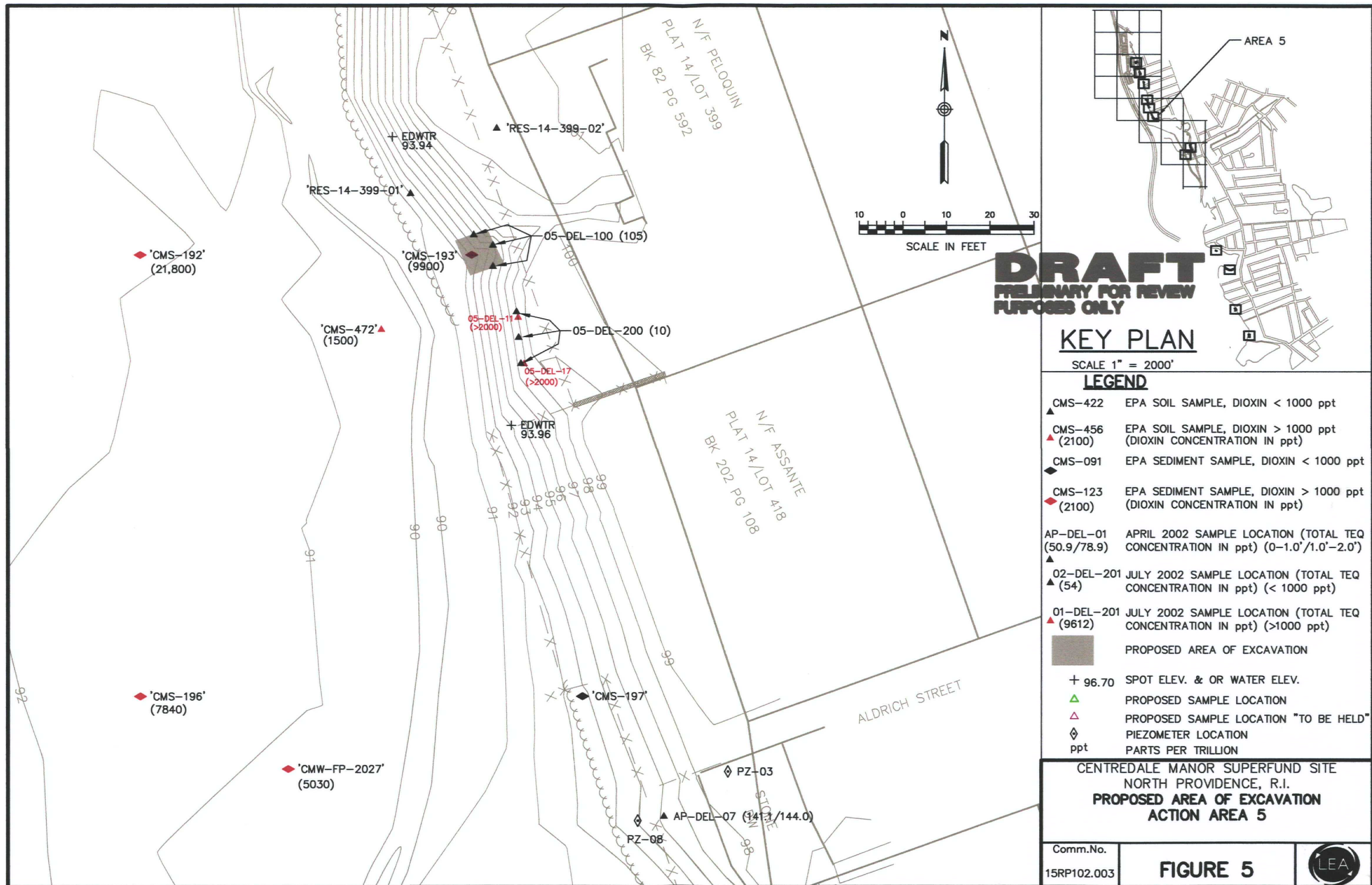
FIGURE 2



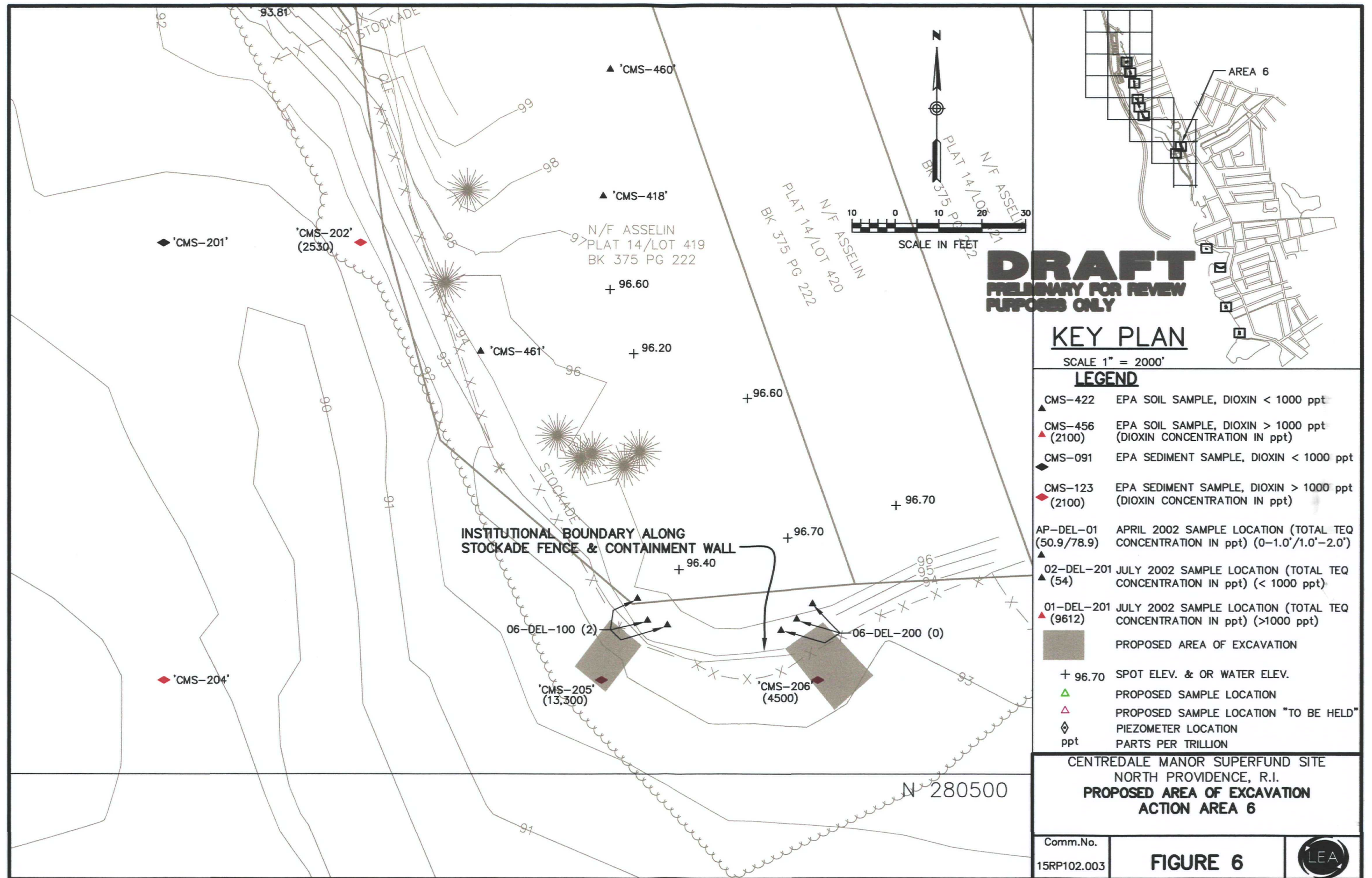


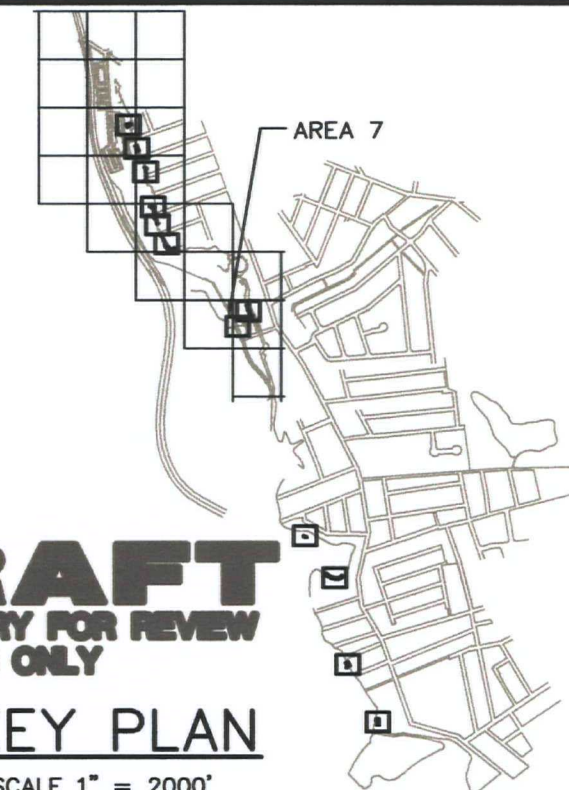
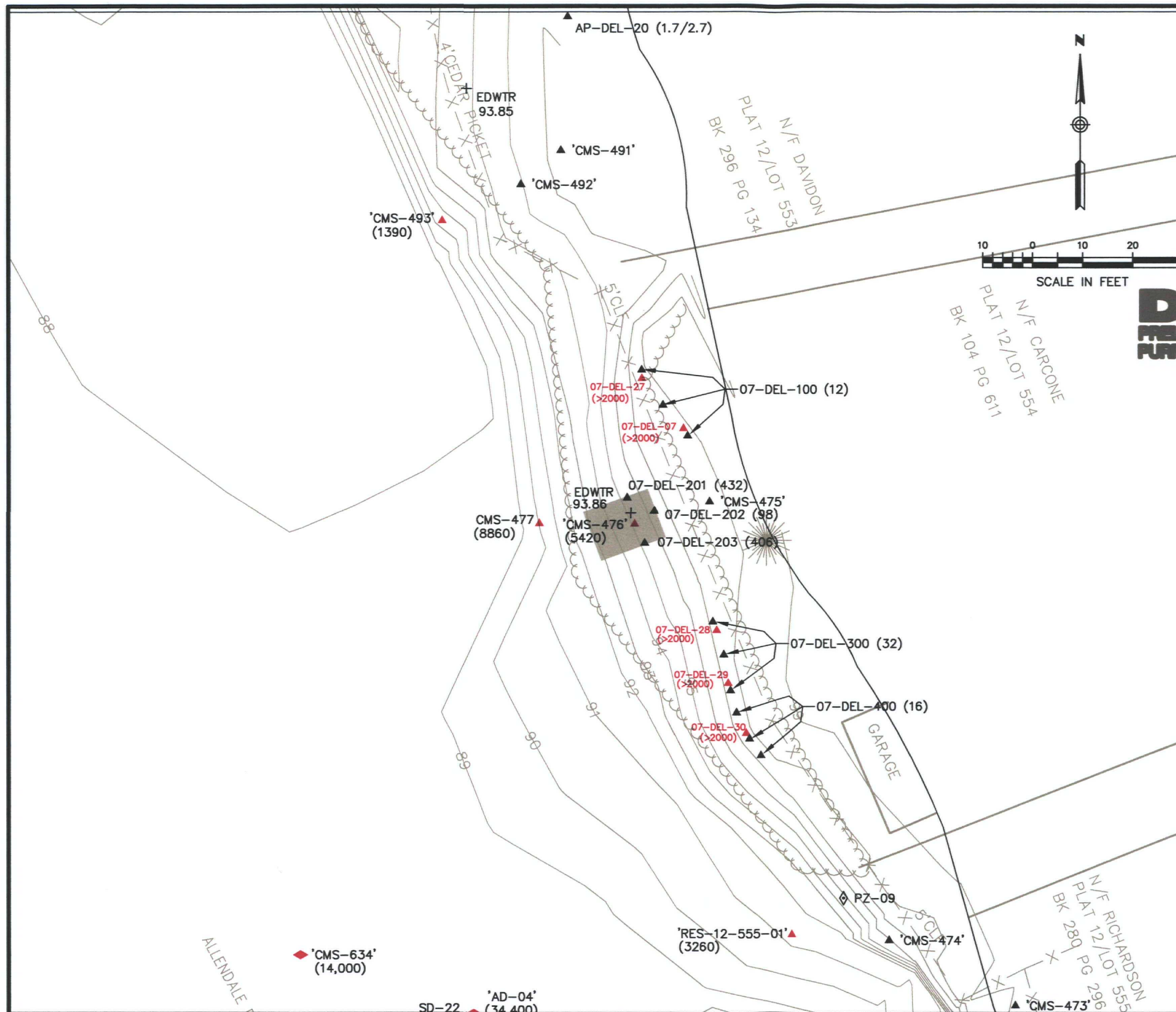






Original includes color coding.





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PRELIMINARY FOR REVIEW
PURPOSES ONLY

KEY PLAN

SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1000 ppt
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1000 ppt (2100)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1000 ppt
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1000 ppt (2100)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION (TOTAL TEQ CONCENTRATION IN ppt) (0-1.0'/1.0'-2.0')
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION (TOTAL TEQ CONCENTRATION IN ppt) (< 1000 ppt)
- ▲ 01-DEL-201 JULY 2002 SAMPLE LOCATION (TOTAL TEQ CONCENTRATION IN ppt) (>1000 ppt)
- PROPOSED AREA OF EXCAVATION
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ▲ PROPOSED SAMPLE LOCATION
- ▲ PROPOSED SAMPLE LOCATION "TO BE HELD"
- ◆ PIEZOMETER LOCATION
- ppt PARTS PER TRILLION

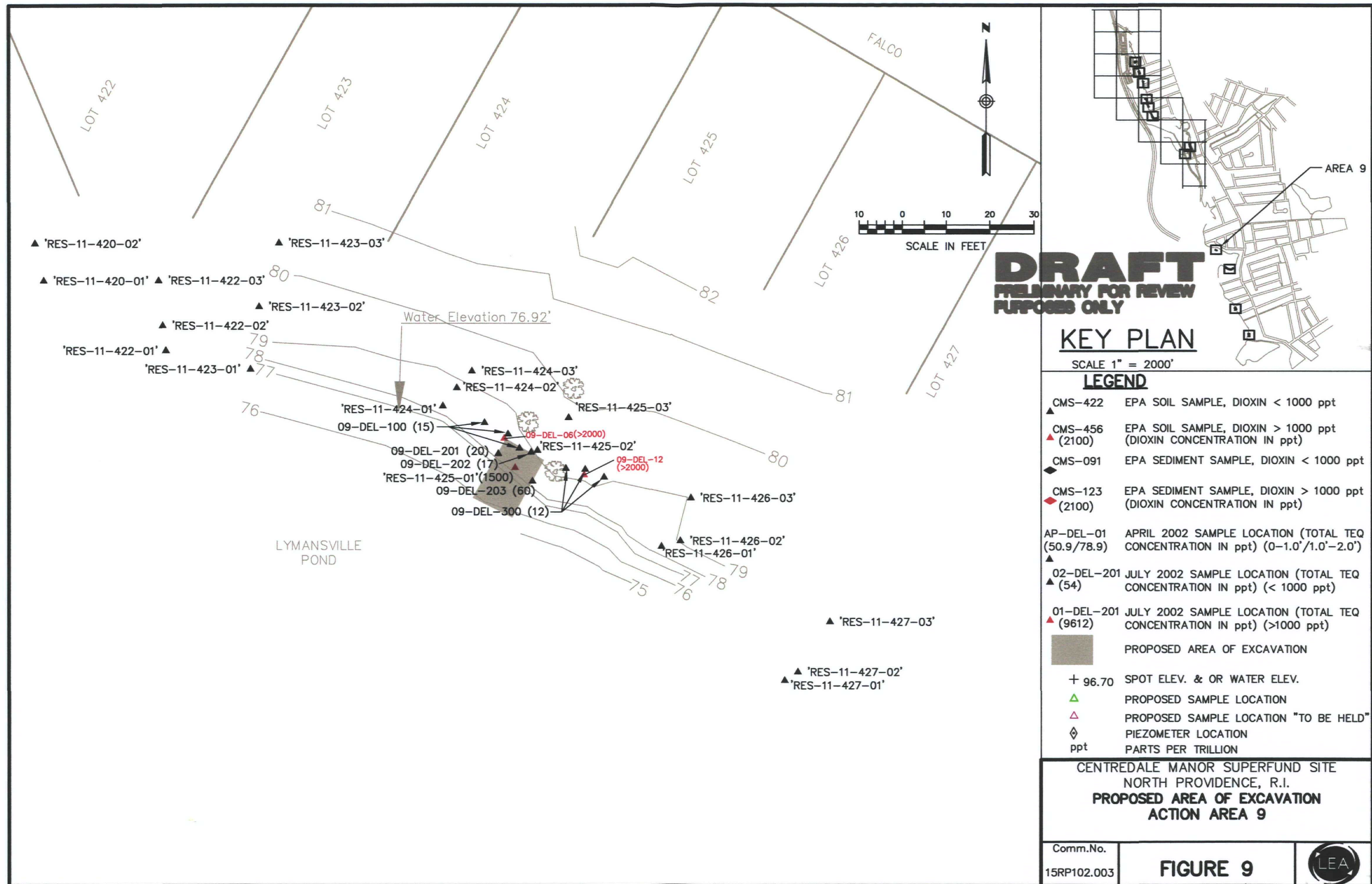
CENTREDALE MANOR SUPERFUND SITE
NORTH PROVIDENCE, R.I.
**PROPOSED AREA OF EXCAVATION
ACTION AREA 7**

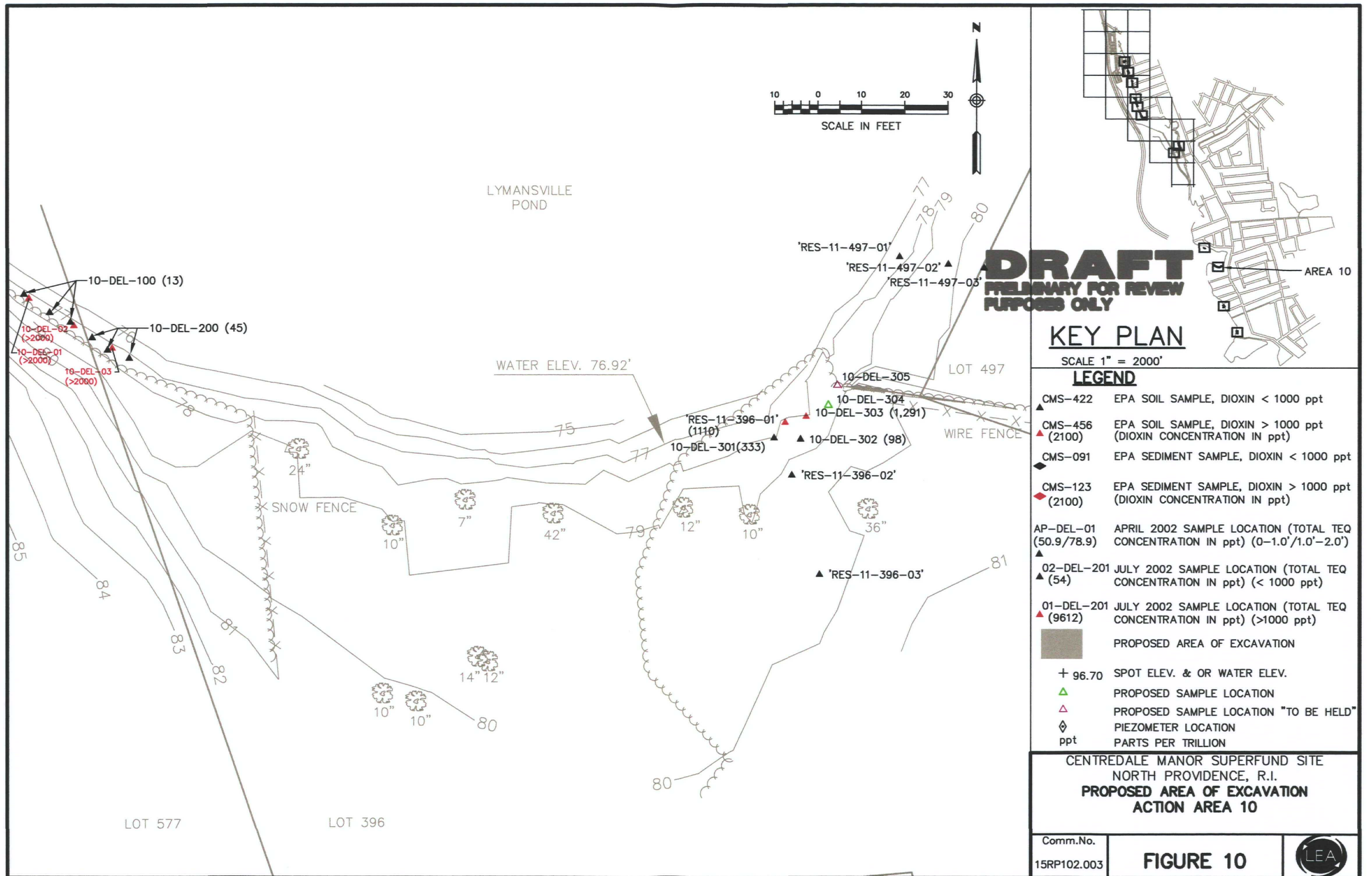
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FIGURE 7



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(FORMERLY LYMAN AVE.)

WATER ELEV 76.92'

'RES-10-053-03'
'RES-10-053-02'
'RES-10-053-01'

'LPX-BK-2006'
(888)
'LPX-SD-2050'
(6310)

11-DEL-100 (51)

LYMANVILLE
POND

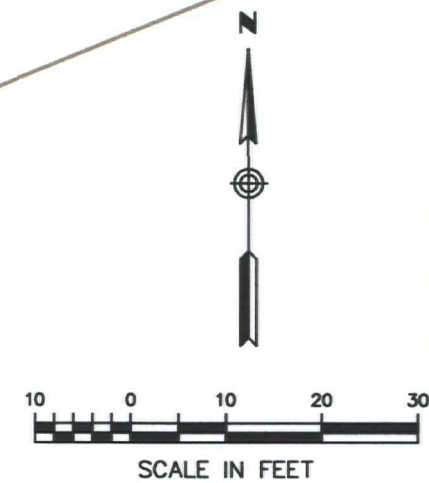
'RES-10-068-03'
'RES-10-068-02'
'RES-10-068-01'

'RES-10-074-03'
'RES-10-074-02'
'RES-10-074-01'

LOT 68

LOT 71

LOT 74



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PRELIMINARY FOR REVIEW
PURPOSES ONLY

KEY PLAN

SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1000 ppt
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1000 ppt
(2100) (DIOXIN CONCENTRATION IN ppt)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1000 ppt
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1000 ppt
(2100) (DIOXIN CONCENTRATION IN ppt)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION (TOTAL TEQ
(50.9/78.9) CONCENTRATION IN ppt) (0-1.0'/1.0'-2.0')
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION (TOTAL TEQ
(54) CONCENTRATION IN ppt) (< 1000 ppt)
- ▲ 01-DEL-201 JULY 2002 SAMPLE LOCATION (TOTAL TEQ
(9612) CONCENTRATION IN ppt) (>1000 ppt)
- PROPOSED AREA OF EXCAVATION
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ▲ PROPOSED SAMPLE LOCATION
- ▲ PROPOSED SAMPLE LOCATION "TO BE HELD"
- ◆ PIEZOMETER LOCATION
- ppt PARTS PER TRILLION

CENTREDALE MANOR SUPERFUND SITE
NORTH PROVIDENCE, R.I.
**PROPOSED AREA OF EXCAVATION
ACTION AREA 11**

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FIGURE 11



Original includes color coding.

