INDUSTRI-PLEX SITE
OU-1 COVER CERTIFICATION REPORT
LOCUS OF TAX MAP LOT 5-1-3 (AKA IC-27)
RESOURCES FOR RESPONSIBLE SITE MANAGEMENT, INC., AS TRUSTEE FOR THE INDUSTRI-PLEX SITE CUSTODIAL TRUST
(WETLANDS 1C - NORTH & SOUTH PONDS/ENHANCED & UNDEVELOPED AREAS)
RECORD DRAWINGS
WOBURN, MASSACHUSETTS
AUGUST 8, 2000

REFERENCE PLANS:

1. "REGIONAL TRANSPORTATION CENTER– WOBURN, MASSACHUSETTS" ALTERNATE COVER DESIGN– ISSUED FOR EPA/DEP APPROVAL, DATE ISSUED: MAY 16, 1995 LATEST ISSUE: JULY 26, 1996, BY VANASSE HANGEN BRUSTLIN, INC., WATERTOWN, MA

2. "INDUSTRIAL–PLEX SITE – WOBURN, MASSACHUSETTS – 100% DESIGN REPORT, PART I – REMEDIAL WORK FOR SOIL, SEDIMENTS AND AIR– VOLUME 7 OF 8", PREPARED BY GOLDER ASSOCIATES, MT. LAUREL, N.J., APRIL 25, 1992.

3a. "SUBDIVISION PLAN OF LAND IN WOBURN – PERFORMED BY VANASSE HANGEN BRUSTIN, INC. SURVEYORS – APRIL 6, 1999", SCALE 1" = 80', CERT. OF TITLE NO. 215236 BOOK 1206 PAGE 86, RECORDED AS PLAN NO. 7312–2 ON JANUARY 18, 2000 AT SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY

3b. "PLAN OF EASEMENT IN – WOBURN, MASSACHUSETTS – TO BE CONVEYED TO BOSTON EDISON COMPANY." SCALE 1"=100' DATED MARCH 21, 1970 BY SCHOFIELD BROTHERS, INC. (RECORDED IN SRDMC AS PLAN #731 OF 1970).

3c. "SUBDIVISION PLAN OF LAND IN WOBURN – PERFORMED BY MASSPORT SURVEY UNIT – OCTOBER 21, 1996", SCALE 1"=300', CERT. OF TITLE NO. 209396 BOOK 1188 PAGE 186, RECORDED AS PLAN NO.7312–Z ON JANUARY 18, 2000 AT SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY.

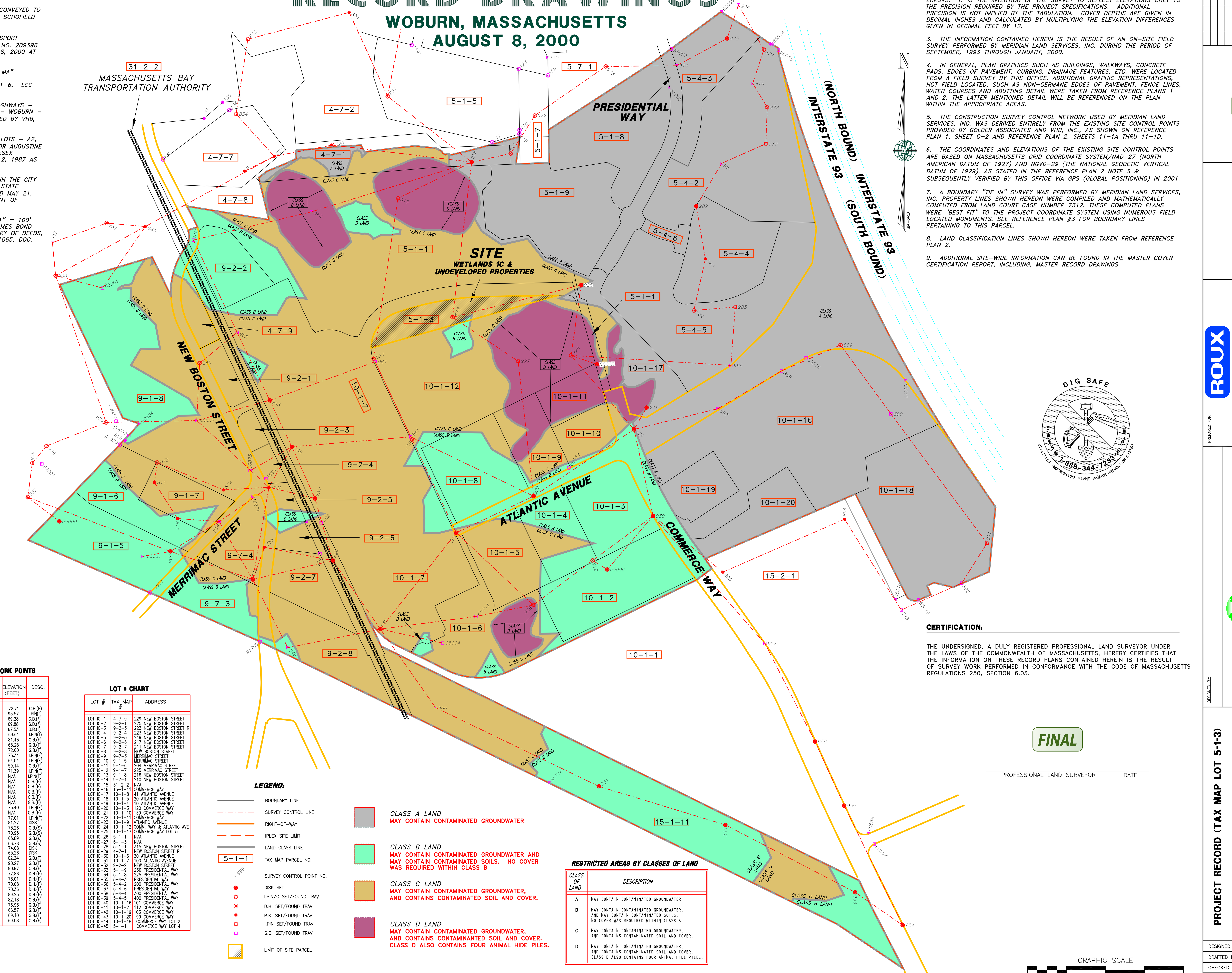
4. "INDEX PLAN OF – LAND COURT SUBDIVISION – IN – WOBURN, MA" PREPARED FOR THE NORTHEAST REGIONAL TRANSPORTATION CENTER BY MASSACHUSETTS PORT AUTHORITY, DATED OCTOBER 21, 1996, SHEETS 1–6. LCC 7312.

5. "THE COMMONWEALTH OF MASSACHUSETTS – DEPARTMENT OF HIGHWAYS – PLAN AND PROFILE OF – ROUTE I–93 INTERCHANGE – IN THE CITY OF – WOBURN – MIDDLESEX COUNTY", SHEETS 18–23 OF 107, SCALE 1"=40' , PREPARED BY VHB, INC. PROJECT NO. 072310.

6. "PLAN OF LAND IN – WOBURN, MA. – SHOWING REDIVISION OF LOTS – A2, A3 & A4", SCALE 1" = 80' DATED DECEMBER 30, 1986. PREPARED FOR AUGUSTINE P. SHEEHY BY GHR ENGINEERING ASSOCIATES, INC. RECORDED AT MIDDLESEX REGISTRY OF DEEDS, SOUTHERN DISTRICT CAMBRIDGE, MASS. ON FEB. 12, 1987 AS PLAN NO. 200, DOC. 246 BOOK 17860, PAGE 528.

7. "THE COMMONWEALTH OF MASSACHUSETTS – PLAN OF ROAD – IN THE CITY OF – WOBURN – MIDDLESEX COUNTY – ALTERED AND LAID OUT AS A STATE HIGHWAY – BY THE DEPARTMENT OF HIGHWAYS", SCALE 1" = 40' DATED MAY 21, 1997, ON FILE AT THE COMMONWEALTH OF MASSACHUSETTS, DEPARTMENT OF HIGHWAYS AS LAYOUT NO. 7376, PROJECT FILE NO. 072310.

8. "SUBDIVISION – PLAN OF LAND – IN WOBURN, MASS.", SCALE 1" = 100' DATED JULY 8, 1997 AND REVISED SEPT. 18, 1997. PREPARED FOR JAMES BOND REALTY TRUST BY EDWARD J. FARRELL. RECORDED AT MIDDLESEX REGISTRY OF DEEDS, SOUTHERN DISTRICT CAMBRIDGE, MASS. ON OCT 6, 1997 AS PLAN NO. 1065, DOC. NO. 86, BOOK 27743 PAGE 419.



SURVEY CONTROL NETWORK POINTS

POINT #	NORTHING (FEET)	EASTING (FEET)	ELEVATION (FEET)	DESC.
8	555829.94	696197.41	88.93	PIN/C(s)
9	554787.93	695334.79	93.29	MAGNL(s)
117	554935.71	696605.05	119.44	I.PIN(f)
118	554997.69	696744.31	124.49	I.PIN(f)
119	554977.42	696743.93	125.72	I.PIN(f)
120	556005.46	696613.05	95.27	C.B.(f)
128	555312.88	696740.29	115.51	I.PIN(f)
129	555279.16	696890.59	117.47	I.PIN(f)
130	555370.20	696889.50	118.61	C.B.(f)
132	554847.71	694915.95	78.43	I.PIN(f)
133	555058.90	695126.18	96.01	P.K.(f)
134	555102.46	695256.34	96.55	I.PIN(f)
135	555142.01	695222.63	90.28	P.K.(f)
157	555902.41	696284.78	90.59	C.B.(f)
216	553575.07	697396.19	72.34	DISK
218	554038.23	696400.64	91.30	I.PIN(s)
219	554833.75	696498.97	113.51	DISK
220	554921.67	695784.06	73.06	D.H.(f)
221	554863.96	695486.38	98.35	P.K.(f)
245	553801.79	695102.81	70.74	PIN/C(s)
301	552991.99	695650.71	67.70	G.B.(f)
302	552983.08	695726.35	68.00	G.B.(f)
303	552824.40	695720.82	66.92	G.B.(f)
751	550314.48	698866.23	58.42	G.B.(f)
752	550363.63	698811.51	57.52	G.B.(f)
754	550089.43	697819.49	53.51	G.B.(f)
755	550155.77	697925.27	54.70	G.B.(f)
756	550192.19	698080.56	56.08	PIN/C(f)
828	552989.66	695204.98	72.68	RRSPK(S)
831	555171.27	696067.95	92.16	PIN/C(s)
832	555602.29	695870.66	86.06	P.K.(s)
833	555464.48	695350.57	78.24	PIN/C(s)
834	555080.77	695290.39	96.82	PIN/C(s)
850	553166.01	695458.74	66.79	P.K.(f)
857	554268.42	694914.00	73.19	PIN/C(S)
858	553407.27	694721.18	73.66	P.K.(S)
871	553005.63	694989.59	75.27	P.K.(s)
872	553190.49	694871.47	74.38	P.K.(s)
873	553293.14	694886.21	73.74	PIN/C(s)
874	553152.45	695225.83	72.96	P.K.(s)
887	553569.05	697762.19	74.67	G.B.(s)
888	553762.69	698088.18	75.46	G.B.(F)
889	553895.58	698391.10	74.41	PIN/C(s)
890	553542.21	698649.64	72.97	G.B.(S)
891	552879.28	699142.48	69.34	PIN/C(s)
892	552674.56	699013.57	68.58	G.B.(S)
893	552536.04	698702.70	69.67	G.B.(S)
894	553002.10	698412.19	69.40	MAGNL(s)
895	552730.89	697787.70	67.50	MAGNL(s)
919	554648.09	696120.30	106.02	PIN/C(s)
920	553826.01	695995.76	79.40	PIN/C(s)
921	553411.21	696193.36	78.92	PIN/C(s)
922	552932.88	696420.08	71.72	DISK
923	553120.20	696816.46	72.78	DISK
924	553462.61	697331.77	68.39	DISK
925	553842.55	697009.22	94.88	PIN/C(s)
926	554203.87	697060.28	79.00	DISK
927	553812.75	696737.39	107.69	PIN/C(s)
928	552561.74	696815.28	88.15	PIN/C(s)
929	552790.55	697119.09	71.75	PIN/C(s)
930	553018.55	697429.53	68.02	DISK
931	554521.49	694626.27	87.39	D.H.(f)
932	554421.26	694348.31	101.39	G.B.(f)
933	554251.87	694364.55	90.95	PIN/C(s)
934	553498.56	694623.81	69.94	PIN/C(s)
935	553378.01	694317.96	72.10	PIN/C(s)
936	553290.51	694245.09	81.03	PIN/C(s)
937	553114.85	694221.58	97.94	PIN/C(s)
938	552836.93	694953.72	80.60	DISK
944	550614.66	697637.80	N/A	G.B.(F)
945	554503.77	694825.96	74.68	P.K.(f)
947	552692.72	695376.15	65.92	DISK
948	552343.09	695555.77	63.57	G.B.(s)
949	552438.47	696030.92	71.73	DISK
950	552035.73	696313.53	68.40	G.B.(s)
951	551631.65	697151.14	65.87	DISK
952	551433.89	697800.32	63.68	DISK
953	551087.91	698466.50	63.64	DISK
954	550919.29	698709.73	60.45	DISK
955	551532.44	698410.23	63.71	DISK
956	551861.31	698260.16	65.21	DISK
957	552364.26	698003.18	67.73	G.B.(F)
960	554579.37	695677.56	96.32	G.B.(s)
961	554434.15	695071.84	85.91	G.B.(s)
962	553960.20	695295.87	79.76	G.B.(s)
963	553612.09	695462.70	78.81	DISK
964	553810.04	696003.71	79.67	G.B.(s)
965	553424.46	696186.34	79.67	G.B.(s)
966	553373.67	695576.30	77.68	DISK
967	553108.66	695695.24	76.92	DISK
968	552790.10	695786.11	73.69	DISK
971	554878.15	696698.61	129.11	PIN/C(s)
972	555073.02	696822.69	125.79	PIN/C(s)
973	555324.98	697186.40	117.15	PIN/C(s)
974	555328.29	697548.91	96.63	G.B.(f)
975	555468.38	697809.50	92.45	DISK
976	555640.49	697867.72	72.09	G.B.(s)
977	555411.42	697997.77	85.47	PIN/C(s)
978	555238.37	697940.64	70.49	G.B.(S)
979	555115.28	698015.18	87.78	PIN/C(s)
980	554928.03	698008.18	80.93	PIN/C(s)
981	554828.02	697781.52	67.51	G.B.(S)
982	554608.27	697651.96	76.95	DISK
983	554337.91	697697.91	77.28	MAGNL(s)
984	554073.15	697638.96	76.58	PIN/C(s)
985	554090.37	697850.88	75.15	PIN/C(s)

SURVEY CONTROL NETWORK POINTS

POINT #	NORTHING (FEET)	EASTING (FEET)	ELEVATION (FEET)	DESC.
986	553791.19	697828.87	72.71	G.B.(F)
1141	555436.21	696190.95	93.57	I.PIN(f)
10874	553119.80	695375.82	69.28	G.B.(f)
10875	553250.96	695361.95	69.88	G.B.(f)
10941	553209.59	695443.61	67.53	G.B.(f)
52003	553504.76	694675.40	69.61	I.PIN(f)
60500	552811.04	694811.44	81.43	G.B.(F)
60504	553493.08	694795.99	68.28	G.B.(F)
60505	553431.74	694740.48	72.60	G.B.(F)
60511	552626.22	694850.12	75.34	I.PIN(F)
60516	552373.95	695412.38	64.04	I.PIN(F)
60518	551650.24	696899.13	59.14	C.B.(F)
60519	553266.67	696998.63	71.39	I.PIN(F)
60545	550535.42	698962.56	N/A	I.PIN(F)
60549	550646.41	699172.79	N/A	G.B.(F)
60551	550588.82	697583.34	N/A	G.B.(F)
60552	550611.64	697561.55	N/A	G.B.(F)
60557	551335.71	698564.07	N/A	C.B.(F)
60558	551388.23	698534.25	N/A	G.B.(F)
60615	553385.09	694695.50	75.40	I.PIN(F)
60950	550705.00	699289.45	N/A	G.B.(F)
62001	553285.48	694294.18	77.01	I.PIN(F)
65000	552990.73	694384.08	81.27	DISK
65001	554187.89	694605.57	73.26	G.B.(S)
65002	553508.43	695088.74	70.95	G.B.(S)
65003	552503.26	696521.21	65.89	G.B.(s)
65004	552366.69	696350.85	66.78	G.B.(s)
65005	553796.88	697140.89	74.08	DISK
65006	552744.10	697194.90	65.26	DISK
65007	555414.66	697522.06	102.24	G.B.(F)
65008	555217.20	697514.54	90.27	G.B.(F)
65009	555605.36	697779.98	90.97	C.B.(F)
65010	555803.93	697977.42	72.86	D.H.(F)
65011	555708.75	697858.52	73.01	D.H.(F)
65012	555702.94	697888.20	70.08	D.H.(F)
65013	555745.19	697945.39	70.36	D.H.(F)
65014	555440.08	698036.86	89.23	D.H.(F)
65015	555409.32	698071.85	82.18	G.B.(F)
65016	553829.73	698214.01	76.93	G.B.(F)
65017	553712.31	698725.05	66.57	G.B.(F)
65018	552588.82	698672.03	69.10	G.B.(F)
65019	552588.11	698792.15	69.58	G.B.(F)

LOT # CHART

LOT #	TAX MAP #	ADDRESS
LOT IC-1	4-7-9	229 NEW BOSTON STREET
LOT IC-2	9-2-1	225 NEW BOSTON STREET
LOT IC-3	9-2-3	223 NEW BOSTON STREET R
LOT IC-4	9-2-4	223 NEW BOSTON STREET
LOT IC-5	9-2-5	219 NEW BOSTON STREET
LOT IC-6	9-2-6	217 NEW BOSTON STREET
LOT IC-7	9-2-7	211 NEW BOSTON STREET
LOT IC-8	9-2-8	NEW BOSTON STREET
LOT IC-9	9-7-3	MERRIMAC STREET
LOT IC-10	9-1-5	MERRIMAC STREET
LOT IC-11	9-1-6	204 MERRIMAC STREET
LOT IC-12	9-1-7	225 MERRIMAC STREET
LOT IC-13	9-1-8	216 NEW BOSTON STREET
LOT IC-14	9-7-4	210 NEW BOSTON STREET
LOT IC-15	31-2-2	N/A
LOT IC-16	15-1-11	COMMERCE WAY
LOT IC-17	10-1-8	41 ATLANTIC AVENUE
LOT IC-18	10-1-5	20 ATLANTIC AVENUE
LOT IC-19	10-1-4	10 ATLANTIC AVENUE
LOT IC-20	10-1-3	120 COMMERCE WAY
LOT IC-21	10-1-10	130 COMMERCE WAY
LOT IC-22	10-1-11	COMMERCE WAY
LOT IC-23	10-1-9	ATLANTIC AVENUE
LOT IC-24	10-1-12	COMM. WAY & ATLANTIC AVE
LOT IC-25	10-1-17	COMMERCE WAY LOT 5
LOT IC-26	5-1-1	N/A
LOT IC-27	5-1-3	N/A
LOT IC-28	5-1-1	315 NEW BOSTON STREET
LOT IC-29	4-7-1	NEW BOSTON STREET R
LOT IC-30	10-1-6	30 ATLANTIC AVENUE
LOT IC-31	10-1-7	100 ATLANTIC AVENUE
LOT IC-32	9-2-2	NEW BOSTON STREET
LOT IC-33	5-1-9	236 PRESIDENTIAL WAY
LOT IC-34	5-1-8	225 PRESIDENTIAL WAY
LOT IC-35	5-4-3	PRESIDENTIAL WAY
LOT IC-36	5-4-2	200 PRESIDENTIAL WAY
LOT IC-37	5-4-6	PRESIDENTIAL WAY
LOT IC-38	5-4-4	300 PRESIDENTIAL WAY
LOT IC-39	5-4-5	400 PRESIDENTIAL WAY
LOT IC-40	10-1-16	101 COMMERCE WAY
LOT IC-41	10-1-2	112 COMMERCE WAY
LOT IC-42	10-1-19	103 COMMERCE WAY
LOT IC-43	10-1-20	99 COMMERCE WAY
LOT IC-44	10-1-18	COMMERCE WAY LOT 2
LOT IC-45	5-1-1	COMMERCE WAY LOT 4

LEGEND:

- BOUNDARY LINE
- SURVEY CONTROL LINE
- RIGHT–OF–WAY
- IPLEX SITE LIMIT
- LAND CLASS LINE
- 5–1–1 TAX MAP PARCEL NO.
- 999 SURVEY CONTROL POINT NO.
- DISK SET
- I.PIN/C SET/FOUND TRAV
- D.H. SET/FOUND TRAV
- P.K. SET/FOUND TRAV
- I.PIN SET/FOUND TRAV
- G.B. SET/FOUND TRAV
- LIMIT OF SITE PARCEL

CLASS A LAND
MAY CONTAIN CONTAMINATED GROUNDWATER

CLASS B LAND
MAY CONTAIN CONTAMINATED GROUNDWATER AND MAY CONTAIN CONTAMINATED SOILS. NO COVER WAS REQUIRED WITHIN CLASS B

CLASS C LAND
MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER.

CLASS D LAND
MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINANTED SOIL AND COVER. CLASS D ALSO CONTAINS FOUR ANIMAL HIDE PILES.

RESTRICTED AREAS BY CLASSES OF LAND

CLASS OF LAND	DESCRIPTION
A	MAY CONTAIN CONTAMINATED GROUNDWATER
B	MAY CONTAIN CONTAMINATED GROUNDWATER, AND MAY CONTAIN CONTAMINATED SOILS. NO COVER WAS REQUIRED WITHIN CLASS B.
C	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER.
D	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER. CLASS D ALSO CONTAINS FOUR ANIMAL HIDE PILES.

NOTES:

1. THE OWNER OF RECORD FOR LOT 5–1–3 IS (NOW OR FORMERLY) RESOURCES FOR RESPONSIBLE SITE MANAGEMENT, TRUSTEE OF THE INDUSTRI–PLEX SITE INTERIM CUSTODIAL TRUST – 131 MOUNT AUBURN STREET CAMBRIDGE, MA. 02138. DEED REFERENCE TO PARCEL IS CERTIFICATE #188268 BOOK 1071 PAGE 118 DATED JULY 18, 1990. SEE ALSO BOOK 19866 PAGE 258 DATED MAY 16, 1989 FILED IN THE LAND REGISTRATION OFFICE OF THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY.

2. ELEVATION RECORDS TABULATED ON THESE DRAWINGS WERE COMPILED FROM FIELD OBSERVATIONS COLLECTED BY ELECTRONIC TOTAL STATION AND DATA COLLECTION TECHNIQUES. ELEVATIONS ARE SHOWN TO ONE HUNDREDTH OF A FOOT FOR SIMPLICITY OF TABULATION AND TO REDUCE COMPOUNDING ROUNDING ERRORS. IT IS THE INTENTION OF THE SURVEY TO REFLECT ELEVATIONS ONLY TO THE PRECISION REQUIRED BY THE PROJECT SPECIFICATIONS. ADDITIONAL PRECISION IS NOT IMPLIED BY THE TABULATION. COVER DEPTHS ARE GIVEN IN DECIMAL INCHES AND CALCULATED BY MULTIPLYING THE ELEVATION DIFFERENCES GIVEN IN DECIMAL FEET BY 12.

3. THE INFORMATION CONTAINED HEREIN IS THE RESULT OF AN ON–SITE FIELD SURVEY PERFORMED BY MERIDIAN LAND SERVICES, INC. DURING THE PERIOD OF SEPTEMBER, 1993 THROUGH JANUARY, 2000.

4. IN GENERAL, PLAN GRAPHICS SUCH AS BUILDINGS, WALKWAYS, CONCRETE PADS, EDGES OF PAVEMENT, CURBING, DRAINAGE FEATURES, ETC. WERE LOCATED FROM A FIELD SURVEY BY THIS OFFICE. ADDITIONAL GRAPHIC REPRESENTATIONS, NOT FIELD LOCATED, SUCH AS NON–GERMANE EDGES OF PAVEMENT, FENCE LINES, WATER COURSES AND ABUTTING DETAIL WERE TAKEN FROM REFERENCE PLANS 1 AND 2. THE LATTER MENTIONED DETAIL WILL BE REFERENCED ON THE PLAN WITHIN THE APPROPRIATE AREAS.

5. THE CONSTRUCTION SURVEY CONTROL NETWORK USED BY MERIDIAN LAND SERVICES, INC. WAS DERIVED ENTIRELY FROM THE EXISTING SITE CONTROL POINTS PROVIDED BY GOLDER ASSOCIATES AND VHB, INC., AS SHOWN ON REFERENCE PLAN 1, SHEET C–2 AND REFERENCE PLAN 2, SHEETS 11–1A THRU 11–1D.

6. THE COORDINATES AND ELEVATIONS OF THE EXISTING SITE CONTROL POINTS ARE BASED ON MASSACHUSETTS GRID COORDINATE SYSTEM/NAD–27 (NORTH AMERICAN DATUM OF 1927) AND NGVD–29 (THE NATIONAL GEODETIC VERTICAL DATUM OF 1929), AS STATED IN THE REFERENCE PLAN 2 NOTE 3 & SUBSEQUENTLY VERIFIED BY THIS OFFICE VIA GPS (GLOBAL POSITIONING) IN 2001.

7. A BOUNDARY "TIE IN" SURVEY WAS PERFORMED BY MERIDIAN LAND SERVICES, INC. PROPERTY LINES SHOWN HEREON WERE COMPILED AND MATHEMATICALLY COMPUTED FROM LAND COURT CASE NUMBER 7312. THESE COMPUTED PLANS WERE "BEST FIT" TO THE PROJECT COORDINATE SYSTEM USING NUMEROUS FIELD LOCATED MONUMENTS. SEE REFERENCE PLAN #3 FOR BOUNDARY LINES PERTAINING TO THIS PARCEL.

8. LAND CLASSIFICATION LINES SHOWN HEREON WERE TAKEN FROM REFERENCE PLAN 2.

9. ADDITIONAL SITE–WIDE INFORMATION CAN BE FOUND IN THE MASTER COVER CERTIFICATION REPORT, INCLUDING, MASTER RECORD DRAWINGS.

DIG SAFE
1-888-344-7233 CALL TOLL FREE
RI-ME-NH-VT-MA
UTILITIES UNDERGROUND PLANT DAMAGE PREVENTION SYSTEM

CERTIFICATION:

THE UNDERSIGNED, A DULY REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE COMMONWEALTH OF MASSACHUSETTS, HEREBY CERTIFIES THAT THE INFORMATION ON THESE RECORD PLANS CONTAINED HEREIN IS THE RESULT OF SURVEY WORK PERFORMED IN CONFORMANCE WITH THE CODE OF MASSACHUSETTS REGULATIONS 250, SECTION 6.03.

FINAL

PROFESSIONAL LAND SURVEYOR DATE

GRAPHIC SCALE
200' 100' 0 200' 400' 600'

REV.	DATE	DESCRIPTION			
I	9/30/08	FINAL SUBMISSION	TC	DBH	MDP
H	2/8/08	EPA COMMENTS OF 1/22/08	TC	DBH	MDP
G	9/28/07	EPA & DEP COMMENTS OF 8/29/07	JF	CAC	MDP
F	5/1/07	EPA & DEP COMMENTS OF 8/3/06	JF	CAC	MDP
E	9/21/05	EPA & DEP COMMENTS OF 7/12/04	KL	MDP	JGK
D	6/11/04	EPA & DEP COMMENTS OF 10/30/03	JF	MDP	JGK
C	10/16/03	DEP REVISIONS	JF	MDP	JGK
B	8/12/01	EPA REVISIONS	JF	MDP	JGK
A	8/8/00	ISSUE FOR REVIEW		MDP	JGK
REV.	DATE	DESCRIPTION		DR	CK

FINAL

PROFESSIONAL LAND SURVEYOR

PROFESSIONAL ENGINEER

PREPARED FOR:
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

PREPARED BY:
MERIDIAN Land Services, Inc.
STREET ADDRESS: 31 OLD NASHUA RD, SUITE 2, AMHERST, N.H. 03031 TEL 603–673–1441 FAX 603–673–1584
MAILING ADDRESS: PO BOX 118, MILFORD, N.H. 03055–0118 EMAIL: MERIDIAN@MeridianLandServices.COM
ENGINEERS - LAND SURVEYORS - SCIENTISTS - LAND PLANNERS

DESIGNED BY:
Golder Associates
Manchester, New Hampshire
400 Commercial Street
Manchester, N.H. USA 03101
603–668–0880 • FAX 603–668–1199

PROJECT RECORD (TAX MAP LOT 5-1-3)
WETLANDS 1C - NORTH & SOUTH PONDS ENHANCED & UNDEVELOPED AREAS
INDUSTRI-PLEX SITE REMEDIAL TRUST WOBURN, MASSACHUSETTS
SCALE: 1" = 200'
AUGUST 8, 2000

DESIGNED BY: MDP		C-24	
DRAFTED BY: MDP			
CHECKED BY: JGK		SHEET NO.	
FILE: 290027211.dwg		PROJECT:	2900.00
DO NOT SCALE DRAWING		SHEET	1 OF 5

Sep 26, 2008 – 11:09am MDP Land Desktop 2004 – LDT4
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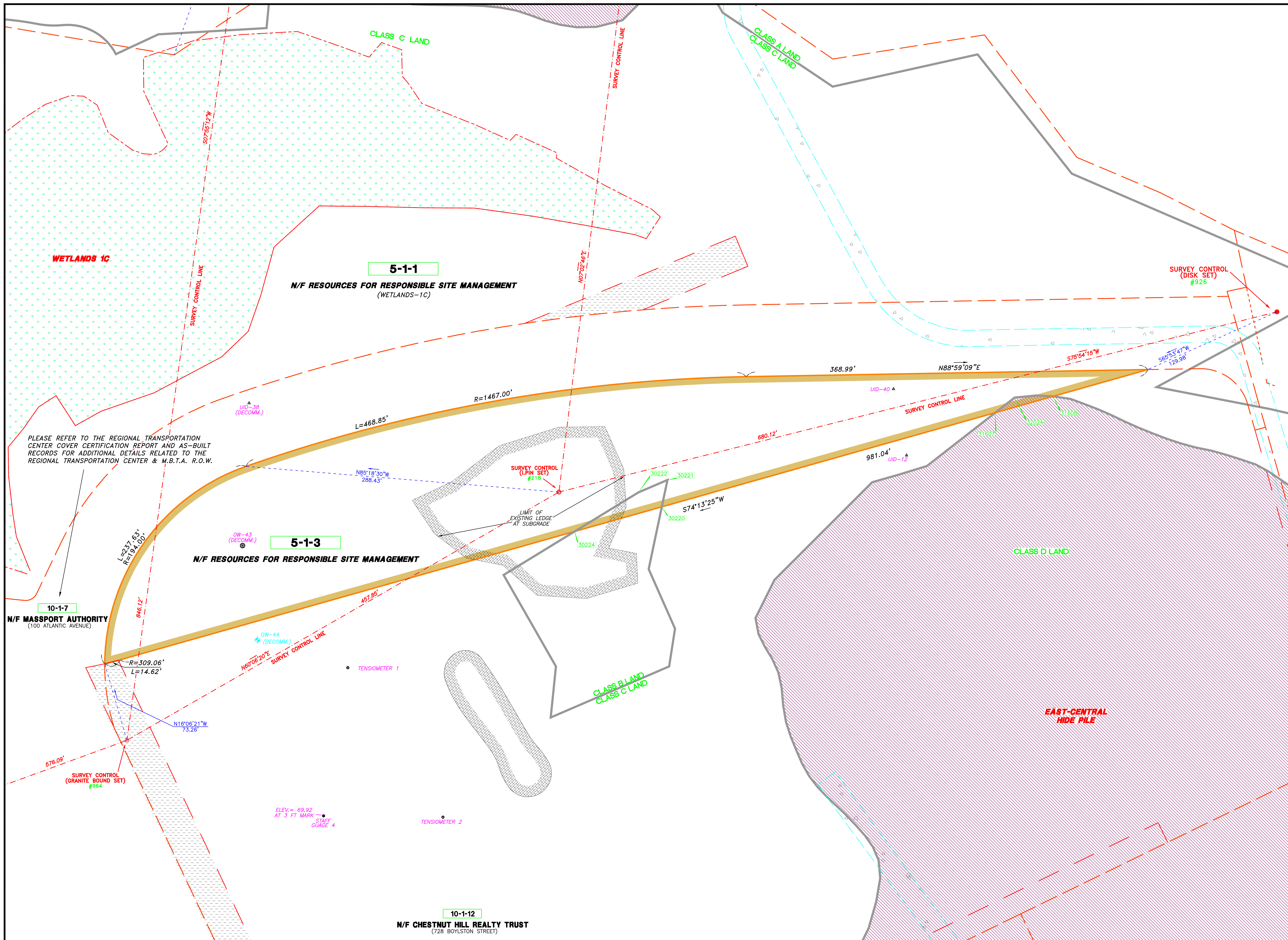

SURVEY CONTROL NETWORK POINTS

POINT #	NORTHING (FEET)	EASTING (FEET)	ELEVATION (FEET)	DESC.
8	555829.94	696197.41	88.93	PIN/C(s)
9	554787.93	695334.79	93.29	MAGNL(s)
117	554935.71	696605.05	119.44	I.PIN(f)
118	554997.69	696744.31	124.49	I.PIN(f)
119	554977.42	696743.93	125.72	I.PIN(f)
120	556005.46	696613.05	95.27	C.B.(f)
128	555312.88	696740.29	115.51	I.PIN(f)
129	555279.16	696890.59	117.47	I.PIN(f)
130	555370.20	696889.50	118.61	C.B.(f)
132	554847.71	694915.95	78.43	I.PIN(f)
133	555058.90	695126.18	96.01	P.K.(f)
134	555102.46	695256.34	96.55	I.PIN(f)
135	555142.01	695222.63	90.28	P.K.(f)
157	555902.41	696284.78	90.59	C.B.(f)
216	553575.07	697396.19	72.34	DISK
218	554038.23	696400.64	91.30	I.PIN(s)
219	554833.75	696498.97	113.51	DISK
220	554921.67	695784.06	73.06	D.H.(f)
221	554863.96	695486.38	98.35	P.K.(f)
245	553801.79	695102.81	70.74	PIN/C(s)
301	552991.99	695650.71	67.70	G.B.(f)
302	552983.08	695726.35	68.00	G.B.(f)
303	552824.40	695720.82	66.92	G.B.(f)
751	550314.48	698866.23	58.42	G.B.(f)
752	550363.63	698811.51	57.52	G.B.(f)
754	550089.43	697819.49	53.51	G.B.(f)
755	550155.77	697925.27	54.70	G.B.(f)
756	550192.19	698080.56	56.08	PIN/C(f)
828	552989.66	695204.98	72.68	RRSPK(S)
831	555171.27	696067.95	92.16	PIN/C(s)
832	555602.29	695870.66	86.06	P.K.(s)
833	555464.48	695350.57	78.24	PIN/C(s)
834	555080.77	695290.39	96.82	PIN/C(s)
850	553166.01	695458.74	66.79	P.K.(f)
857	554268.42	694914.00	73.19	PIN/C(S)
858	553407.27	694721.18	73.66	P.K.(S)
871	553005.63	694989.59	75.27	P.K.(s)
872	553190.49	694871.47	74.38	P.K.(s)
873	553293.14	694886.21	73.74	PIN/C(s)
874	553152.45	695225.83	72.96	P.K.(s)
887	553569.05	697762.19	74.67	G.B.(s)
888	553762.69	698088.18	75.46	G.B.(F)
889	553895.58	698391.10	74.41	PIN/C(s)
890	553542.21	698649.64	72.97	G.B.(S)
891	552879.28	699142.48	69.34	PIN/C(s)
892	552674.56	699013.57	68.58	G.B.(S)
893	552536.04	698702.70	69.67	G.B.(S)
894	553002.10	698412.19	69.40	MAGNL(s)
895	552730.89	697787.70	67.50	MAGNL(s)
919	554648.09	696120.30	106.02	PIN/C(s)
920	553826.01	695995.76	79.40	PIN/C(s)
921	553411.21	696193.36	78.92	PIN/C(s)
922	552932.88	696420.08	71.72	DISK
923	553120.20	696816.46	72.78	DISK
924	553462.61	697331.77	68.39	DISK
925	553842.55	697009.22	94.88	PIN/C(s)
926	554203.87	697060.28	79.00	DISK
927	553812.75	696737.39	107.69	PIN/C(s)
928	552561.74	696815.28	88.15	PIN/C(s)
929	552790.55	697119.09	71.75	PIN/C(s)
930	553018.55	697429.53	68.02	DISK
931	554521.49	694626.27	87.39	D.H.(f)
932	554421.26	694348.31	101.39	G.B.(f)
933	554251.87	694364.55	90.95	PIN/C(s)
934	553498.56	694623.81	69.94	PIN/C(s)
935	553378.01	694317.96	72.10	PIN/C(s)
936	553290.51	694245.09	81.03	PIN/C(s)
937	553114.85	694221.58	97.94	PIN/C(s)
938	552836.93	694953.72	80.60	DISK
944	550614.66	697637.80	N/A	G.B.(F)
945	554503.77	694825.96	74.68	P.K.(f)
947	552692.72	695376.15	65.92	DISK
948	552343.09	695555.77	63.57	G.B.(s)
949	552438.47	696030.92	71.73	DISK
950	552035.73	696313.53	68.40	G.B.(s)
951	551631.65	697151.14	65.87	DISK
952	551433.89	697800.32	73.68	DISK
953	551087.91	698466.50	63.64	DISK
954	550919.29	698709.73	60.45	DISK
955	551532.44	698410.23	63.71	DISK
956	551861.31	698260.16	65.21	DISK
957	552364.26	698003.18	67.73	G.B.(F)
960	554579.37	695677.56	96.32	G.B.(s)
961	554434.15	695071.84	85.91	G.B.(s)
962	553960.20	695295.87	79.76	G.B.(s)
963	553612.09	695462.70	78.81	DISK
964	553810.04	696003.71	79.67	G.B.(s)
965	553424.46	696186.34	79.67	G.B.(s)
966	553373.67	695576.30	77.68	DISK
967	553108.66	695695.24	76.92	DISK
968	552790.10	695786.11	73.69	DISK
971	554878.15	696698.61	129.11	PIN/C(s)
972	555073.02	696822.69	125.79	PIN/C(s)
973	555324.98	697186.40	117.15	PIN/C(s)
974	555328.29	697548.91	96.63	G.B.(f)
975	555468.38	697809.50	92.45	DISK
976	555640.49	697867.72	72.09	G.B.(s)
977	555411.42	697997.77	85.47	PIN/C(s)
978	555238.37	697940.64	70.49	G.B.(S)
979	555115.28	698015.18	87.78	PIN/C(s)
980	554928.03	698008.18	80.93	PIN/C(s)
981	554828.02	697781.52	67.51	G.B.(S)
982	554608.27	697651.96	76.95	DISK
983	554337.91	697697.91	77.28	MAGNL(s)
984	554073.15	697638.96	76.58	PIN/C(s)
985	554090.37	697850.88	75.15	PIN/C(s)

SURVEY CONTROL NETWORK POINTS

POINT #	NORTHING (FEET)	EASTING (FEET)	ELEVATION (FEET)	DESC.
986	553791.19	697828.87	72.71	G.B.(F)
1141	555436.21	696190.95	93.57	I.PIN(f)
10874	553119.80	695375.82	69.28	G.B.(f)
10875	553250.96	695361.95	69.88	G.B.(f)
10941	553209.59	695443.61	67.53	G.B.(f)
52003	553504.76	694675.40	69.61	I.PIN(f)
60500	552811.04	694811.44	81.43	G.B.(F)
60504	553493.08	694795.99	68.28	G.B.(F)
60505	553431.74	694740.48	72.60	G.B.(F)
60511	552626.22	694850.12	75.34	I.PIN(F)
60516	552373.95	695412.38	64.04	I.PIN(F)
60518	551650.24	696899.13	59.14	C.B.(F)
60519	553266.67	696998.63	71.39	I.PIN(F)
60545	550535.42	698962.56	N/A	I.PIN(F)
60549	550646.41	699172.79	N/A	G.B.(F)
60551	550588.82	697583.34	N/A	G.B.(F)
60552	550611.64	697561.55	N/A	G.B.(F)
60557	551335.71	698564.07	N/A	C.B.(F)
60558	551388.23	698534.25	N/A	G.B.(F)
60615	553385.09	694695.50	75.40	I.PIN(F)
60950	550705.00	699289.45	N/A	G.B.(F)
62001	553285.48	694294.18	77.01	I.PIN(F)
65000	552990.73	694384.08	81.27	DISK
65001	554187.89	694605.57	73.26	G.B.(S)
65002	553508.43	695088.74	70.95	G.B.(S)
65003	552503.26	696521.21	65.89	G.B.(s)
65004	552366.69	696350.85	66.78	G.B.(s)
65005	553796.88	697140.89	74.08	DISK
65006	552744.10	697194.90	65.26	DISK
65007	555414.66	697522.06	102.24	G.B.(F)
65008	555217.20	697514.54	90.27	G.B.(F)
65009	555605.36	697779.98	90.97	C.B.(F)
65010	555803.93	697977.42	72.86	D.H.(F)
65011	555708.75	697858.52	73.01	D.H.(F)
65012	555702.94	697888.20	70.08	D.H.(F)
65013	555745.19	697945.39	70.36	D.H.(F)
65014	555440.08	698036.86	89.23	D.H.(F)
65015	555409.32	698071.85	82.18	G.B.(F)
65016	553829.73	698214.01	76.93	G.B.(F)
65017	553712.31	698725.05	66.57	G.B.(F)
65018	552588.82	698672.03	69.10	G.B.(F)
65019	552588.11	698792.15	69.58	G.B.(F)

LAND CLASS RESTRICTED AREAS POINTS CHART

NUMBER	NORTHING*	EASTING*	BEARING	LENGTH
31607	554111.2	696801.4		
32024	554125.0	696819.2	N52°01'41"E	22.53'
31608	554126.2	696854.5	N88°10'30"E	35.29'
31607	554111.2	696801.4	S74°13'25"W	55.11'
30220	554024.6	696495.1		
30221	554049.4	696500.3	N11°53'44"E	25.26'
30222	554037.9	696473.6	S66°46'44"W	29.10'
30223	554011.7	696431.0	S58°28'37"W	50.00'
30224	554002.0	696415.2	S58°28'37"W	18.53'
30220	554024.6	696495.1	N74°13'25"E	83.09'

RESTRICTED AREAS BY CLASSES OF LAND

CLASS OF LAND	DESCRIPTION
A	MAY CONTAIN CONTAMINATED GROUNDWATER
B	MAY CONTAIN CONTAMINATED GROUNDWATER, AND MAY CONTAIN CONTAMINATED SOILS. NO COVER WAS REQUIRED WITHIN CLASS B.
C	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER.
D	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER. CLASS D ALSO CONTAINS FOUR ANIMAL HIDE PILES.

LEGEND

ASBUILT COVER TYPE
TEST PIT
MONITOR WELL
BORING LOCATION
MICRO WELL LOCATION
PIEZOMETER LOCATION
SOIL SAMPLE LOCATION
STAFF GUAGE LOCATION
TENSIOMETER LOCATION
UID LOCATION
MONITORING WELL LOCATION
HYDRANT
GATE VALVE
CATCH BASIN (SQUARE)
CATCH BASIN (ROUND)
DRAIN MANHOLE
SEWER MANHOLE
UTILITY POLE
GUY WIRE
ASBUILT POINT NO. & LOCATION

GAS METER
GAS SHUT OFF
WATER SHUT OFF
WATER CONTROL BOX
SIGN
BOLLARD
TELEPHONE MANHOLE
BOUNDARY LINE
RIGHT-OF-WAY
ABUTTING PROPERTY LINES
ASPHALT, CONCRETE, GRANITE CURB
TRANSITION ZONE
LAND CLASS LINE
N 551,000 GRID LINE
EDGE OF EXISTING PAVEMENT
LIMIT OF GEOTEXTILE
SURVEY CONTROL MONUMENT (GRANITE BOUND SET)
SURVEY CONTROL MONUMENT (DISK SET)
SURVEY CONTROL MONUMENT (PIN/CAP SET)

ASBUILT FINISH GRADE CONTOUR 5' INTERVAL
ASBUILT FINISH GRADE CONTOUR 1' INTERVAL
OHW OVERHEAD WIRES
UGG UNDERGROUND GAS LINE
99999 POINT MARKER (SEE POINTS CHART)
TIE COURSE
SURVEY CONTROL LINE
A.T.&T. FIBER OPTIC CABLE
TOE OF SLOPE
TOP OF SLOPE
LIMIT CHAIN LINK FENCE
EDGE OF ASBUILT GRAVEL ROAD
BACK EDGE OF PLANTER
EDGE OF PROPOSED PAVEMENT
EXISTING EASEMENT
ASBUILT CULVERT
LIMIT OF TREELINE
EXISTING CONCRETE STRUCTURE
OW-44 DECOMMISSIONED WELL PER REFERENCE PLAN #2

LIMITS OF EXISTING EASEMENTS
EDGE OF EXISTING BUILDINGS
AREA OF LEDGE
HIDE PILES BASED ON CONSENT DECREE
LIMITS OF RIPRAP = 6" STONE
AREA OF ENGINEERED COVER (COMPLIES WITH 100% DESIGN PLANS UNLESS OTHERWISE STATED)
BORING LOCATION
MICRO WELL LOCATION
PIEZOMETER LOCATION
SOIL SAMPLE LOCATION
STAFF GUAGE LOCATION
TENSIOMETER LOCATION
UID LOCATION
MONITORING WELL LOCATION

DECOMMISSIONED STRUCTURES POINTS TABLE

Point	Northing	Easting	Elevation	Description
22610	553989.0	696110.0		OW-43
22637	554133.0	696708.0		UID-40

NOTE:

1. BORINGS BY NH BORING, GOLDER, MICRO-WELL, AND ENVIROGEN WERE FILLED WITH GROUT.
2. SEE APPENDIX "E" FOR ADDITIONAL DECOMMISSIONED STRUCTURE DATA.

GRAPHIC SCALE
40' 20' 0 40' 80' 120'

REV.	DATE	DESCRIPTION	DR	CK
I	9/30/08	FINAL SUBMISSION	TC DBH	MDP
H	2/8/08	EPA COMMENTS OF 1/22/08	TC DBH	MDP
G	9/28/07	EPA & DEP COMMENTS OF 8/29/07	JF CAC	MDP
F	5/1/07	EPA & DEP COMMENTS OF 8/3/06	JF CAC	MDP
E	9/21/05	EPA & DEP COMMENTS OF 7/12/04	KL MDP	JGK
D	6/11/04	EPA & DEP COMMENTS OF 10/30/03	JF MDP	JGK
C	10/16/03	DEP REVISIONS	JF MDP	JGK
B	8/12/01	EPA REVISIONS	JF MDP	JGK
A	8/8/00	ISSUE FOR REVIEW	MDP	JGK

FINAL

PROFESSIONAL LAND SURVEYOR

PROFESSIONAL ENGINEER

PREPARED FOR:
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

PREPARED BY:
MERIDIAN Land Services, Inc.
ENGINEERS - LAND SURVEYORS - SCIENTISTS - LAND PLANNERS

DESIGNED BY:
Golder Associates
Manchester, New Hampshire
400 Commercial Street
Manchester, N.H. USA 03101
603-668-0880 • FAX 603-668-1199

PROJECT RECORD (TAX MAP LOT 5-1-3)
BOUNDARY LINES, LAND CLASSIFICATIONS, AND EASEMENTS
INDUSTRI-PLEX SITE REMEDIAL TRUST WOBURN, MASSACHUSETTS

AUGUST 8, 2000
SCALE: 1" = 40'

DESIGNED BY: MDP
DRAFTED BY: MDP
CHECKED BY: JGK
FILE: 2900272I2.dwg
DO NOT SCALE DRAWING

C-25
SHEET NO.
PROJECT: 2900.00
SHEET 2 OF 5

Sep 26, 2008 – 2:14pm dbh Land Desktop 2004 – LDT4
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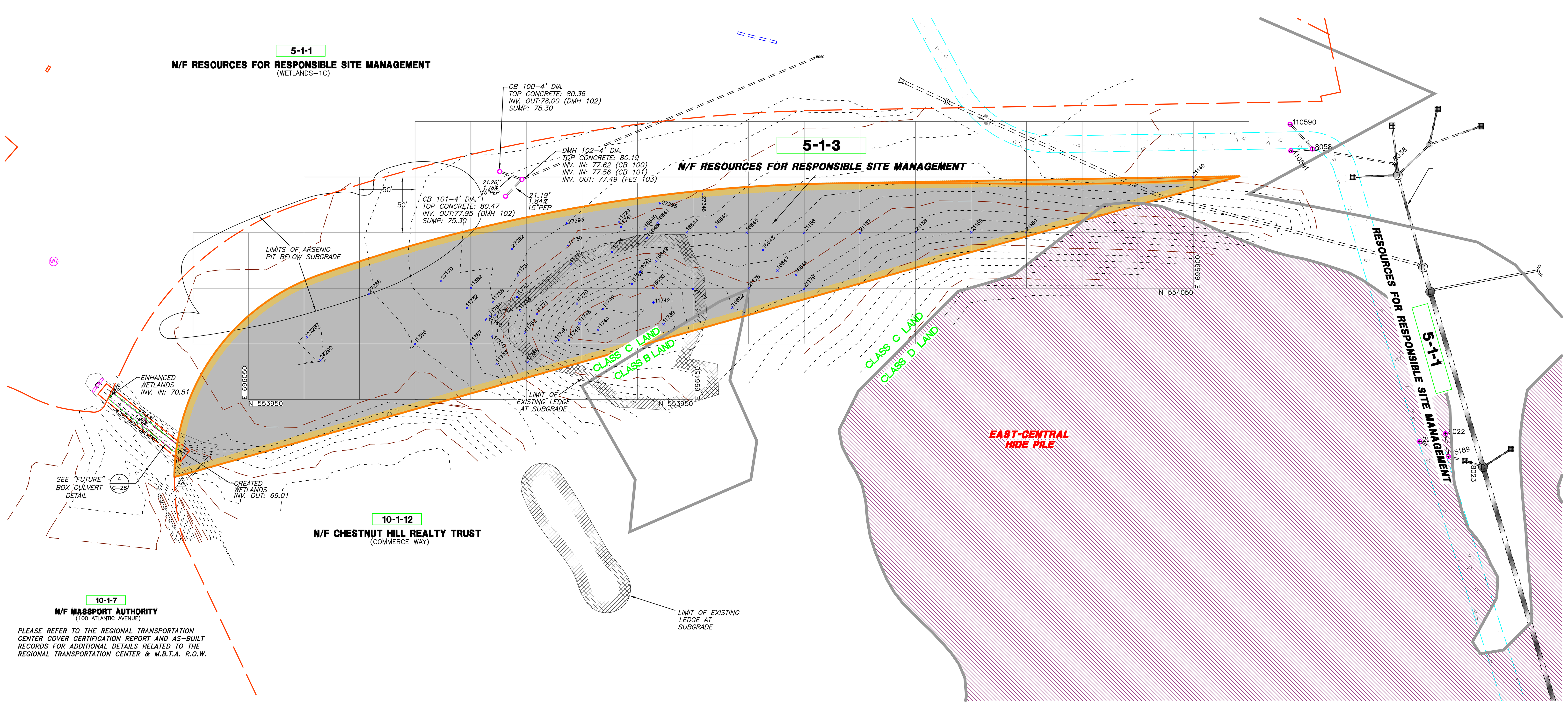

10-1-7
N/F MASSPORT AUTHORITY
(100 ATLANTIC AVENUE)

PLEASE REFER TO THE REGIONAL TRANSPORTATION CENTER COVER CERTIFICATION REPORT AND AS-BUILT RECORDS FOR ADDITIONAL DETAILS RELATED TO THE REGIONAL TRANSPORTATION CENTER & M.B.T.A. R.O.W.

LEGEND

- ASBUILT COVER TYPE
- TEST PIT
- MONITOR WELL
- BORING LOCATION
- MICRO WELL LOCATION
- PIEZOMETER LOCATION
- SOIL SAMPLE LOCATION
- STAFF GUAGE LOCATION
- TENSIOMETER LOCATION
- UID LOCATION
- MONITORING WELL LOCATION
- HYDRANT
- GATE VALVE
- CATCH BASIN (SQUARE)
- CATCH BASIN (ROUND)
- DRAIN MANHOLE
- SEWER MANHOLE
- UTILITY POLE
- GUY WIRE
- +14000 ASBUILT POINT NO. & LOCATION
- GAS METER
- GAS SHUT OFF
- WATER SHUT OFF
- WATER CONTROL BOX
- SIGN
- BOLLARD
- TELEPHONE MANHOLE
- SURVEY CONTROL MONUMENT (GRANITE BOUND SET)
- SURVEY CONTROL MONUMENT (DISK SET)
- SURVEY CONTROL MONUMENT (PIN/CAP SET)
- BOUNDARY LINE
- RIGHT-OF-WAY
- ABUTTING PROPERTY LINES
- ASPHALT, CONCRETE, GRANITE CURB
- TRANSITION ZONE
- LAND CLASS LINE
- N 551,000 GRID LINE
- EDGE OF EXISTING PAVEMENT
- LIMIT OF GEOTEXTILE
- ASBUILT FINISH GRADE CONTOUR 5' INTERVAL
- ASBUILT FINISH GRADE CONTOUR 1' INTERVAL
- OHW OVERHEAD WIRES
- UGG UNDERGROUND GAS LINE
- 99999 POINT MARKER (SEE POINTS CHART)
- TIE COURSE
- SURVEY CONTROL LINE
- A.T.&T. FIBER OPTIC CABLE
- TOE OF SLOPE
- TOP OF SLOPE
- LIMIT CHAIN LINK FENCE
- EDGE OF ASBUILT GRAVEL ROAD
- BACK EDGE OF PLANTER
- EDGE OF PROPOSED PAVEMENT
- EXISTING EASEMENT
- ASBUILT CULVERT
- LIMIT OF TREELINE
- EXISTING CONCRETE STRUCTURE
- BORING LOCATION
- MICRO WELL LOCATION
- PIEZOMETER LOCATION
- SOIL SAMPLE LOCATION
- STAFF GUAGE LOCATION
- TENSIOMETER LOCATION
- UID LOCATION
- MONITORING WELL LOCATION

- LIMITS OF EXISTING EASEMENTS
- EDGE OF EXISTING BUILDINGS
- AREA OF LEDGE
- HIDE PILES BASED ON CONSENT DECREE
- LIMITS OF RIPRAP = 6" STONE
- AREA OF ENGINEERED COVER (COMPLIES WITH 100% DESIGN PLANS UNLESS OTHERWISE STATED)

POINT DESCRIPTORS			
A	AERO	HYD	HYDRANT
BEOP	BACK EDGE OF PLANTER	K	KOSTER
BLDG	BUILDING	LIM	LIMIT
BNDY	BOUNDARY	MW	MONITOR WELL
BR	BREAK IN SLOPE	P	PEBCO (NOW WJP REALTY TRUST)
C##	CONTOUR INTERVAL	PLNTR	PLANTER
CG	COVER GRADE	PC	POINT OF CURVATURE
CHNL	CHANNEL	POC	POINT ON CURVE
CL	CENTERLINE	PT	POINT OF TANGENCY
CLF	CHAIN LINK FENCE	PX	PX REALTY
CONT	CONTOURS	R	RANDOM
COR	CORNER	RD	ROAD
CUL	CULVERT	REM	REMEDIATION
CURBa	ASPHALT CURB	RPRP	RIPRAP
CURBg	GRANITE CURB	SG	SUBGRADE
D	DAGATA	SL	SLOPE
DTCH	DITCH	SWL	SWALE
E.	EDGE OF	TOB	TOP OF BANK
E.C.	EDGE OF CONCRETE	TOE	TOE OF SLOPE
E.P.	EDGE OF PAVEMENT	TOP	TOP OF SLOPE
EX	EXCAVATION	TRAN	TRANSITION ZONE
EZ	EXCLUSION ZONE	UC	UTILITY CORRIDOR
FAB	FABRIC	UCN	NORTH UTILITY CORRIDOR
FG	FINISH GRADE	UP	UTILITY POLE
G	GENERAL POINT	WG	WATERGATE
GUY	GUY WIRE	RRBD	RAILROAD BED

TABLE REMARKS	
A	IN RIP RAP- SUBGRADE AND FINISH GRADE ONLY
B	IN GRAVEL ROAD- SUBGRADE AND FINISH GRADE ONLY
C	CULVERT- ONLY SUBGRADE AND FINISH GRADE
D	REMEDIATION IN PROGRESS
E	UNABLE TO COLLECT
F	ON CLAY BERM- NO SUBGRADE
G	BOX CULVERT SUBGRADE ONLY
H	TOP OF BANK OF UTILITY CORRIDOR- SUBGRADE ONLY
I	CREATED WETLANDS STREAM- SEE COVER GRADE
J	FINISH GRADE ON CONCRETE WEIR
K	NO "TEWKSBURY" LOAM APPLIED
L	NOT COLLECTED
M	OUTSIDE LIMIT OF CLAY GRADE
N	UNDER WATER
P	AT TRANSITION- NO COVER GRADE
Q	IN GRAVEL ROAD- SEE ADJACENT SUBGRADE
R	IN GRAVEL ROAD- SEE ADJACENT FINISH GRADE
S	IN GRAVEL ROAD AT UTILITY CORRIDOR- NO SUBGRADE

MERIDIAN LAND SERVICES POINTS TABLE

Point Number	Northing	Easting	Subgrade (Geotextile) Elev. Feet	Cover Grade Elev. Feet	Cover Grade Depth Inches	Finish Grade Elev. Feet	Finish Grade Depth Inches	Total Depth Inches	Desc.
11382	554050.0	696250.1	76.31	77.32	12.20	78.08	9.12	21.24	GRID
11387	553999.9	696250.1	75.91	76.99	12.91	77.33	4.08	17.04	GRID
11729	554109.2	696383.3	78.11	79.80	20.18	80.73	11.16	31.44	TOE
11730	554088.7	696337.3	77.70	79.92	26.63	80.45	6.36	33.00	TOE
11731	554061.6	696292.6	77.02	79.04	24.32	79.73	8.28	32.52	TOE
11732	554032.3	696246.1	76.19	77.26	12.92	77.58	3.84	16.68	TOE
11733	553982.1	696273.4	76.00	77.73	20.75	78.44	8.52	29.28	TOE
11739	554017.6	696423.4	87.62	89.77	25.78	90.09	3.84	29.64	E.FAB
11740	554064.7	696402.2	86.95	88.01	12.67	88.49	5.76	18.48	E.FAB
11741	554105.0	696385.0	78.27	80.34	24.88	81.29	11.40	36.24	E.FAB
11742	554037.2	696414.3	89.83	90.86	12.36	91.22	4.32	16.68	BR
11744	554012.2	696364.5	90.40	91.49	13.10	91.78	3.48	16.56	BR
11745	554003.4	696338.2	88.53	89.80	15.22	90.23	5.16	20.40	BR
11746	554002.5	696326.2	87.69	88.77	13.07	89.22	5.40	18.36	BR
11748	554018.2	696347.7	89.59	90.77	14.16	91.02	3.00	17.16	BR
11749	554031.4	696369.0	90.01	91.07	12.76	91.38	3.72	16.44	BR
11750	554006.7	696269.0	76.75	77.93	14.11	78.76	9.96	24.12	BR
11752	554010.0	696299.0	82.97	84.05	13.00	84.62	6.84	19.80	BR
11754	554030.1	696294.3	79.33	82.13	33.60	82.63	6.00	39.60	BR
11758	554037.3	696270.0	76.35	78.00	19.86	78.67	8.04	27.84	TOE
11760	554021.5	696263.8	76.39	77.54	13.90	78.36	9.84	23.64	TOE
11762	554026.1	696272.6	77.61	78.73	13.46	79.27	6.48	19.92	R
11764	554024.9	696267.4	76.53	77.80	15.29	78.65	10.20	25.44	R
11765	553983.5	696301.0	80.98	82.18	14.39	83.19	12.12	26.52	R
11769	554053.7	696395.1	88.15	89.21	12.80	89.66	5.40	18.12	R
11770	554036.3	696345.5	87.85	88.40	6.53	89.22	9.84	16.44	R
11771	554027.2	696309.6	83.23	85.13	22.73	85.48	4.20	27.00	R
11772	554042.4	696291.6	77.55	80.71	37.94	81.35	7.68	45.60	R
11773	554071.6	696340.0	81.00	82.06	12.77	82.55	5.88	18.60	R

MERIDIAN LAND SERVICES POINTS TABLE

Point Number	Northing	Easting	Subgrade (Geotextile) Elev. Feet	Cover Grade Elev. Feet	Cover Grade Depth Inches	Finish Grade Elev. Feet	Finish Grade Depth Inches	Total Depth Inches	Desc.
11774	554082.8	696376.9	81.55	83.07	18.24	83.75	8.16	26.40	R
16640	554103.7	696406.8	78.63	81.21	30.96	82.12	10.92	41.88	TOE
16641	554108.9	696418.1	78.77	80.81	24.55	81.59	9.36	33.84	TOE
16642	554105.9	696470.5	79.26	81.45	26.30	82.24	9.48	35.76	TOE
16643	554084.5	696512.9	81.47	83.35	22.58	84.45	13.2	35.76	TOE
16644	554100.1	696444.2	80.15	81.63	17.70	83.41	21.36	39.12	R
16645	554100.0	696498.1	80.69	82.26	18.82	83.41	13.80	32.64	R
16646	554062.0	696542.3	83.62	85.18	18.72	85.89	8.52	27.24	TOE
16647	554065.7	696525.8	82.61	84.58	23.63	85.28	8.40	32.04	TOE
16648	554095.2	696408.9	81.31	82.49	14.18	83.25	9.12	23.28	R
16649	554074.2	696416.9	85.87	86.22	4.19	87.29	12.84	17.04	R
16650	554049.8	696414.0	89.25	90.40	13.85	90.67	3.24	17.04	R
16652	554032.4	696485.3	84.96	86.01	12.60	86.96	11.40	24.00	TOE
21140	554149.8	696899.9	77.75	79.05	15.55	79.72	8.12	23.68	GRID
21156	554100.0	696549.8	81.87	83.09	14.65	83.50	4.98	19.63	GRID
21157	554100.0	696600.0	83.52	84.68	13.99	85.17	5.90	19.90	GRID
21158	554100.2	696650.3	85.99	87.08	13.03	87.42	4.08	17.16	GRID
21159	554100.0	696700.0	86.68	87.95	15.18	88.31	4.34	19.52	GRID
21160	554099.8	696749.8	86.43	87.49	12.73	88.07	7.01	19.74	GRID
21177	554049.5	696450.0	85.91	86.94	12.41	87.26	3.84	16.20	GRID
21178	554049.9	696500.0	84.31	85.34	12.38	86.23	10.68	23.04	GRID
21179	554049.6	696549.9	84.87	85.99	13.36	86.75	9.12	22.56	GRID
27170	554056.6	696223.5	76.23	77.27	12.48	77.79	6.24	18.72	R
27286	554044.6	696158.3	74.45	75.45	12.00	75.86	4.92	16.92	R
27287	554005.8	696103.0	74.61	75.68	12.84	76.04	4.32	17.16	R
27290	553985.3	696114.9	74.50	75.63	13.51	76.01	4.60	18.11	R
27292	554085.2	696287.1	76.92	77.98	12.73	78.59	7.34	20.08	R
27293	554108.0	696336.1	77.65	78.68	12.37	79.00	3.85	16.22	R
27295	554126.7	696419.8	77.90	79.21	15.66	79.68	5.71	21.37	R
27346	554134.6	696458.2	78.30	79.60	15.59	80.12	6.22	21.80	R

RESTRICTED AREAS BY CLASSES OF LAND

CLASS OF LAND	DESCRIPTION
A	MAY CONTAIN CONTAMINATED GROUNDWATER
B	MAY CONTAIN CONTAMINATED GROUNDWATER, AND MAY CONTAIN CONTAMINATED SOILS. NO COVER WAS REQUIRED WITHIN CLASS B.
C	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER.
D	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER. CLASS D ALSO CONTAINS FOUR ANIMAL HIDE PILES.

GRAPHIC SCALE
50' 25' 0 50' 100' 150'

REV.	DATE	DESCRIPTION		DR	CK
I	9/30/08	FINAL SUBMISSION	TC	DBH	MDP
H	2/8/08	EPA COMMENTS OF 1/22/08	TC	DBH	MDP
G	9/28/07	EPA & DEP COMMENTS OF 8/29/07	JF	CAC	MDP
F	5/1/07	EPA & DEP COMMENTS OF 8/3/06	JF	CAC	MDP
E	9/21/05	EPA & DEP COMMENTS OF 7/12/04	KL	MDP	JGK
D	6/11/04	EPA & DEP COMMENTS OF 10/30/03	JF	MDP	JGK
C	10/16/03	DEP REVISIONS	JF	MDP	JGK
B	8/12/01	EPA REVISIONS	JF	MDP	JGK
A	8/8/00	ISSUE FOR REVIEW		MDP	JGK

FINAL

PROFESSIONAL LAND SURVEYOR

PROFESSIONAL ENGINEER

PREPARED FOR:
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

PREPARED BY:
MERIDIAN Land Services, Inc.
STREET ADDRESS: 31 OLD NASHUA RD, SUITE 2, AMHERST, N.H. 03031 TEL 603-673-1441 FAX 603-673-1584
MAILING ADDRESS: PO BOX 118, MILFORD, N.H. 03055-0118 EMAIL: MERIDIAN@MeridianLandServices.COM
ENGINEERS - LAND SURVEYORS - SCIENTISTS - LAND PLANNERS

DESIGNED BY:
Golder Associates
Manchester, New Hampshire
400 Commercial Street
Manchester, N.H. USA 03101
603-668-0880 • FAX 603-668-1199

PROJECT RECORD (TAX MAP LOT 5-1-3)

RECORD POINTS, TOPOGRAPHY, DRAINAGE & LIMITS OF ENGINEERED COVER

INDUSTRI-PLEX SITE REMEDIAL TRUST WOBURN, MASSACHUSETTS

AUGUST 8, 2000

SCALE: 1" = 50'

DESIGNED BY: MDP
DRAFTED BY: MDP
CHECKED BY: JGK
FILE: 290027213.dwg
DO NOT SCALE DRAWING

C-26
SHEET NO.
PROJECT: 2900.00
SHEET 3 OF 5

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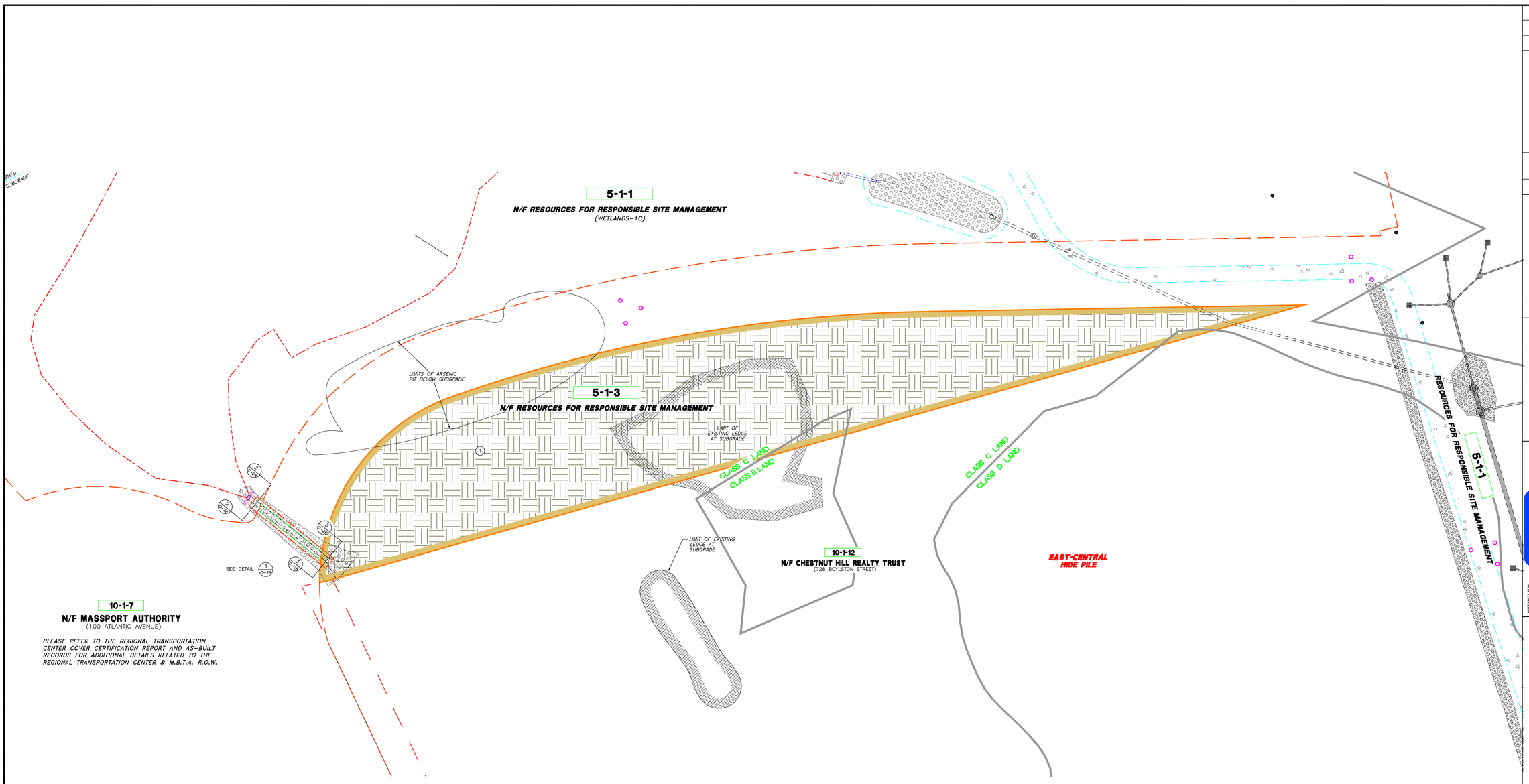

LEGEND

- BOUNDARY LINE
- RIGHT-OF-WAY
- ABUTTING PROPERTY LINES
- ASPHALT, CONCRETE, GRANITE CURB
- TRANSITION ZONE
- LAND CLASS LINE
- N 551,000 GRID LINE
- IPLEX SITE LIMIT LINE
- EDGE OF EXISTING PAVEMENT
- LIMIT OF GEOTEXTILE
- A.T.&T. FIBER OPTIC CABLE
- EXTRUSION SEAM TIE-IN
- TOE OF SLOPE
- TOP OF SLOPE
- LIMIT CHAIN LINK FENCE
- EDGE OF ASBUILT GRAVEL ROAD
- BACK EDGE OF PLANTER
- EDGE OF PROPOSED PAVEMENT
- EXISTING EASEMENT
- ASBUILT CULVERT
- LIMIT OF TREE LINE
- EXISTING CONCRETE STRUCTURE
- EDGE OF WETLANDS
- ASBUILT FINISH GRADE CONTOUR 5' INTERVAL
- ASBUILT FINISH GRADE CONTOUR 1' INTERVAL
- OHW OVERHEAD WIRES
- UGG UNDERGROUND GAS LINE
- LIMITS OF EXISTING EASEMENTS
- AREA OF LEDGE AT SUBGRADE
- UNREMEDIATED AREA
- (33) ASBUILT COVER TYPE
- TEST PIT
- (MW) MONITOR WELL
- HYDRANT
- GATE VALVE
- CATCH BASIN (SQUARE)
- CATCH BASIN (ROUND)
- DRAIN MANHOLE
- SEWER MANHOLE
- UTILITY POLE
- GUY WIRE
- +14000 ASBUILT POINT NO. & LOCATION
- GAS METER
- GAS SHUT OFF
- WATER SHUT OFF
- WATER CONTROL BOX
- SIGN
- BOLLARD
- TELEPHONE MANHOLE
- 99999 POINT MARKER (SEE POINTS CHART)
- BORING LOCATION
- MICRO WELL LOCATION
- PIEZOMETER LOCATION
- (SS) SOIL SAMPLE LOCATION
- STAFF GUAGE LOCATION
- TENSIOMETER LOCATION
- UID LOCATION
- MONITORING WELL LOCATION

COVER TYPES (ENGINEERED)

AREA	ORIGINAL CONDITION	COVER TYPE
1	VARIES	ABOVE GRADE PERMEABLE COVER
6	DRAINAGE SWALE	GRAVEL/COBBLE LINED
9	WETLANDS	ABOVE GRADE PERMEABLE COVER (WETLANDS REMEDIATION)
10	WETLANDS	DREDGE SEDIMENT, PLACE PERMEABLE COVER (WETLANDS REMEDIATION)
25	VARIES	SEE NOTE 4 (SHEET 11-30) (ON REFERENCE PLAN 2)
44	VARIES	D_{50} - 6" RIPRAP

- (1) ABOVE GRADE PERMEABLE COVER
- (6) DRAINAGE SWALE (GRAVEL/COBBLE LINED)
- (9) ABOVE GRADE PERMEABLE COVER (WETLANDS REMEDIATION) (APPROX. LOCATION)
- (10) ABOVE GRADE PERMEABLE COVER (WETLANDS SEDIMENT DREDGE AND CAP) (FOR EXISTING WETLANDS) (APPROX. LOCATION)
- (25) ABOVE GRADE PERMEABLE COVER (ENHANCED WETLANDS) (FOR MITIGATED WETLANDS) (APPROX. LOCATION)
- (44) D_{50} - 6" RIPRAP

X / C-XX — DETAIL/CROSS SECTION DESIGNATION; SHEET No. WHERE DETAIL/CROSS SECTION IS PRESENTED

COVER TYPES (EQUIVALENT)

AREA	ORIGINAL CONDITION	EQUIVALENT COVER TYPE
4	PAVED	EQUIVALENT COVER
5	BUILDING	EQUIVALENT COVER
8	BEDROCK DRAINAGE SWALE	BLAST/EXCAVATE CHANNEL EQUIVALENT COVER
21	BEDROCK OUTCROP	GRUB & CLEAN EQUIVALENT COVER
30	STACK	EQUIVALENT COVER

RESTRICTED AREAS BY CLASSES OF LAND

CLASS OF LAND	DESCRIPTION
A	MAY CONTAIN CONTAMINATED GROUNDWATER
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C	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER.
D	MAY CONTAIN CONTAMINATED GROUNDWATER, AND CONTAINS CONTAMINATED SOIL AND COVER. CLASS D ALSO CONTAINS FOUR ANIMAL HIDE PILES.

GRAPHIC SCALE
40' 20' 0 40' 80' 120'

REV.	DATE	DESCRIPTION	DR	CK
I	9/30/08	FINAL SUBMISSION	TC	DBH MDP
H	9/29/08	EPA COMMENTS OF 8/29/07	TC	DBH MDP
G	9/26/07	EPA & DEP COMMENTS OF 8/3/06	JF	CAC MDP
F	5/1/07	EPA & DEP COMMENTS OF 8/3/06	JF	CAC MDP
E	9/21/05	EPA & DEP COMMENTS OF 7/12/04	KL	MDP JGK
D	6/11/04	EPA & DEP COMMENTS OF 10/30/03	JF	MDP JGK
C	10/16/03	DEP REVISIONS	JF	MDP JGK
B	8/11/00	EPA REVISIONS	JF	MDP JGK
A	8/8/00	ISSUE FOR REVIEW	JF	MDP JGK

FINAL

PROFESSIONAL LAND SURVEYOR

PROFESSIONAL ENGINEER

PREPARED FOR: ROUX ASSOCIATES, INC. Environmental Consulting & Management

PREPARED BY: MERIDIAN Land Services, Inc. ENGINEERS - LAND SURVEYORS - SCIENTISTS - LAND PLANNERS

DESIGNED BY: Golder Associates Manchester, New Hampshire 400 Commercial Street Manchester, N.H. USA 03101 603-668-0880 • FAX 603-668-1199

PROJECT RECORD (LOT 5-1-3)

COVER TYPES AND TRANSITIONS

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASSACHUSETTS

AUGUST 8, 2000

SCALE: 1" = 40'

DESIGNED BY:	MDP
DRAFTED BY:	MDP
CHECKED BY:	JGK
FILE:	29002721-4.dwg
DO NOT SCALE DRAWING	

C-27
SHEET NO.
PROJECT: 2900.00
SHEET 4 OF 5

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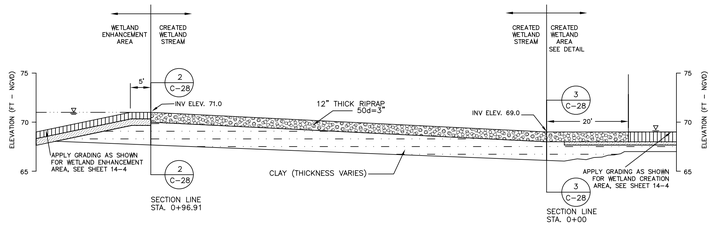
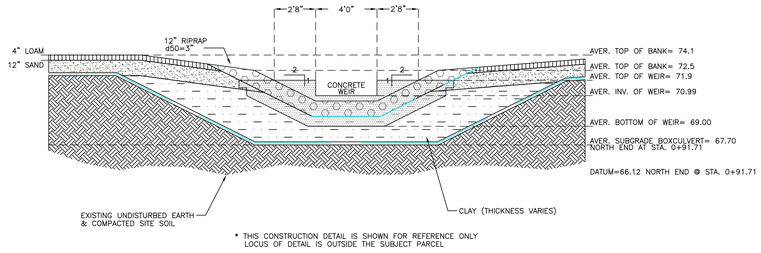
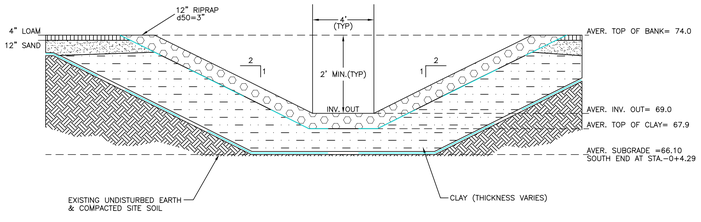


1 C-28 **CREATED WETLANDS STREAM PROFILE VIEW**
NOT TO SCALE



* THIS CONSTRUCTION DETAIL IS SHOWN FOR REFERENCE ONLY
LOCUS OF DETAIL IS OUTSIDE THE SUBJECT PARCEL

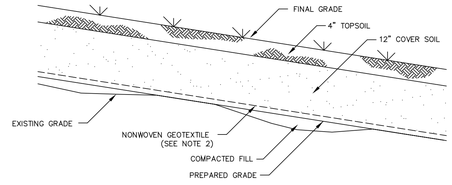
2 C-28 **CREATED WETLANDS STREAM CROSS SECTION STA. 0+96.91**
NOT TO SCALE



3 C-28 **CREATED WETLANDS STREAM CROSS SECTION STA. 0+00**
NOT TO SCALE

COVER TYPE

1 **ABOVE GRADE ENGINEERED PERMEABLE COVER**
(SEE NOTES: 1, 3 & 4)
NOT TO SCALE



LEGEND

X / C-28 — DETAIL/CROSS SECTION DESIGNATION; SHEET No. WHERE DETAIL/CROSS SECTION IS PRESENTED

NOTES

1.) SEE SPECIFICATIONS FOR DETAILS AND MATERIALS USED.

2.) FOR SLOPES FLATTER THAN 25% A 16oz. NONWOVEN GEOTEXTILE WAS INSTALLED ON HIDE PILES AND A 6oz. NONWOVEN GEOTEXTILE WAS INSTALLED ELSEWHERE.

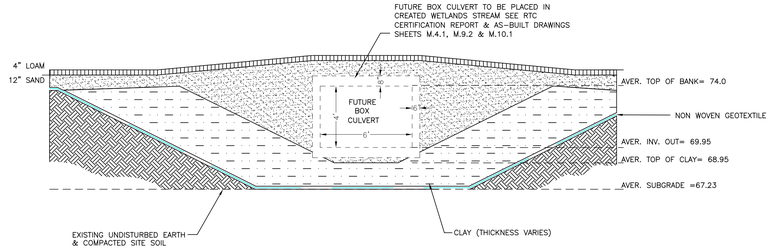
3.) FOR SLOPES 25% OR STEEPER, A GEOSYNTHETIC DRAIN WAS USED AS FOLLOWS:

a. ON HIDE PILES, A GEOCOMPOSITE DRAIN WAS EXTENDED FROM THE TOE OF SLOPE A DISTANCE EQUAL TO A 10 FOOT CHANGE IN ELEVATION. A 16oz. NONWOVEN GEOTEXTILE WAS USED ELSEWHERE AND FIELD SEWN WITH THE GEOCOMPOSITE.

b. IN AREAS OTHER THAN HIDE PILES, A 16oz. NONWOVEN GEOTEXTILE WAS USED THROUGHOUT.

4.) FOR SLOPES STEEPER THAN 33%, A GEOGRID WAS PLACED DIRECTLY ABOVE THE GEOSYNTHETIC AND EXTENDED A DISTANCE OF 10 FEET BEYOND THE CREST OF THE SLOPE. FOR SLOPES 50% OR STEEPER A RIPRAP FACING WAS PLACED WITHOUT GEOGRID.

5.) VERTICAL EXAGGERATION OF GEOSYNTHETICS SCALE FOR VISUAL PURPOSES ONLY.



4 C-28 **TYPICAL CREATED WETLANDS STREAM**
(WITH FUTURE BOX CULVERT)
NOT TO SCALE

REV.	DATE	DESCRIPTION	DR	CK
I	9/30/08	FINAL SUBMISSION	TC	DBH MDP
H	9/26/08	EPA COMMENTS OF 7/28/08	TC	DBH MDP
G	9/29/07	EPA & DEP COMMENTS OF 8/29/07	JF	CAC MDP
F	5/1/07	EPA & DEP COMMENTS OF 8/3/06	JF	CAC MDP
E	9/21/05	EPA & DEP COMMENTS OF 7/12/04	KL	MDP JCK
D	6/11/04	EPA & DEP COMMENTS OF 10/30/03	JF	MDP JCK
C	10/16/03	DEP REVISIONS	JF	MDP JCK
B	8/11/00	EPA REVISIONS	JF	MDP JCK
A	8/8/00	ISSUE FOR REVIEW	JF	MDP JCK

FINAL

PROFESSIONAL LAND SURVEYOR

PROFESSIONAL ENGINEER

PREPARED FOR: ROUX ASSOCIATES, INC. *Environmental Consulting & Management*

PREPARED BY: MERIDIAN Land Services, Inc. 10 WATER STREET, SUITE 225, LEXINGTON, MASSACHUSETTS 02421 (781) 861-1446 FAX (781) 861-9749 WWW.MERIDIANLAND.COM ENGINEERS - LAND SURVEYORS - SCIENTISTS - LAND PLANNERS

DESIGNED BY:

Golder Associates
Manchester, New Hampshire
400 Commercial Street
Manchester, N.H. USA 03101
603-668-0880 • FAX 603-668-1199

PROJECT RECORD (LOT 5-1-3)

DETAILS AND TRANSITIONS

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASSACHUSETTS

AUGUST 8, 2000

SCALE: 1" = NONE

DESIGNED BY: MDP	C-28
DRAFTED BY: MDP	SHEET NO.
CHECKED BY: JCK	
FILE: 29002725.dwg	PROJECT: 2900.00
DO NOT SCALE DRAWING	SHEET 5 OF 5

Sep 26, 2008 - 3:01pm dbh Land DeskTop 2004 - LDT4
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