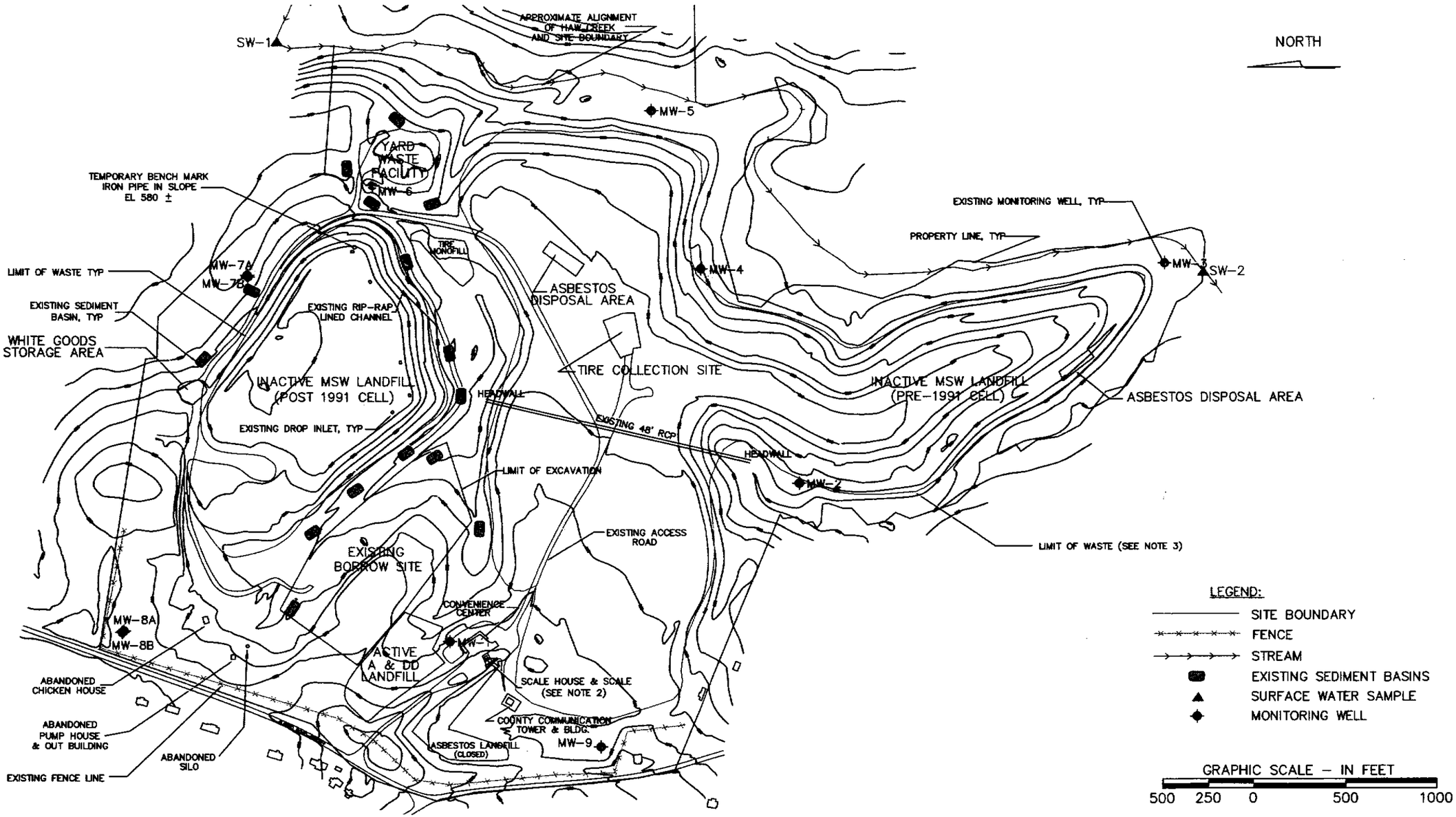

= VOCs > 2L stds.

NOTES:

AERIAL SURVEY FLOWN BY WESTINGHOUSE LANDMARK GIS, INC., CARY, NC IN MAY 1993. THIS DRAWING DENOTES EXISTING GRADES FOR THAT DATE.

SCALE HOUSE AND SCALE TO BE RELOCATED TO AUSTIN QUARTER ROAD SOLID WASTE MANAGEMENT FACILITY.

EXISTING LIMITS OF WASTE ARE APPROXIMATE AS PROVIDED BY THE COUNTY.

BASE MAP FROM HAZEN AND SAWYER DRAWING; JOB NUMBER 3707, CONTRACT NUMBER 1A, DRAWING NUMBER G1, SHEET 2 OF 6, OCTOBER 1993.

LAW

ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
GREENSBORO, NORTH CAROLINA

MONITORING WELL AND SURFACE WATER LOCATIONS
SWEPSONVILLE LANDFILL
ALAMANCE COUNTY, NORTH CAROLINA

DRAWN BY: JAB	DATE: 11/3/00	CHCKD: JAM	DATE: 11/3/00
PROJECT NO. 30440-0-0368	FIG. 2		

Table 2
Summary of Groundwater and Surface Water Analytical Results
Swepsonville Landfill
Series 1 - October 2000

Parameter	MDL	Analytical Results																										
Sample ID		MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7A		MW-7B		MW-8A		MW-8B		MW-9		SW-1		SW-2		2L Ground-Water Quality Standards
Depth (feet)		33.00		29.90		24.10		50.00		19.00		50.00		64.02		31.05		65.00		26.00		27.50		N/A		N/A		
Collection Date		4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/11/00	4/12/00	10/12/00	4/12/00	10/12/00	4/12/00	10/12/00	4/12/00	10/11/00	4/12/00	10/11/00	
Appendix I Volatile Organic Compounds (µg/l):																												
Chloroethane	10	<10	<10	<10	<10	<10	<10	15	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	2800
Cis-1,2-Dichloroethene	5	<5	<5	18	28	<5	<5	**390**	**450**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	70
1,4-Dichlorobenzene	5	<5	<5	<5	<5	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NE
1,1-Dichloroethane	5	<5	<5	57	77	<5	<5	43	55	<5	<5	<5	<5	<5	8	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	700
1,1-Dichloroethene	5	<5	<5	**9**	**13**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7
1,2-Dichloropropane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.56
Tetrachloroethene	5	<5	<5	**15**	**23**	<5	<5	**61**	**69**	<5	<5	<5	<5	<5	**6**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	0.7
Toluene	5	<5	**6**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1000
1,1,1-Trichloroethane	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	200
Trichloroethene	5	<5	<5	17	**28**	<5	<5	**51**	**73**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.8
Vinyl Chloride	10	<10	<10	<10	<10	<10	<10	**35**	**17**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.015
Appendix I Total Metals (mg/l):																												
Arsenic	0.01	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.01	<0.01	0.016	<0.01	0.016	<0.01	<0.01	<0.01	<0.01	0.05
Barium	0.5	<0.5	<0.5	1.00	1.00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.73	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2
Beryllium	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	0.004	<0.002	<0.002	<0.002	0.002	<0.002	0.004	<0.002	<0.002	<0.002	<0.002	NE
Cadmium	0.001	0.002	0.003	**0.006**	**0.004**	0.002	0.002	0.002	0.002	0.004	**0.006**	<0.001	0.001	0.001	0.002	**0.005**	**0.008**	0.001	0.001	0.002	**0.006**	0.003	**0.006**	<0.001	<0.001	<0.001	<0.001	0.005
Chromium	0.01	<0.01	<0.01	0.042	0.030	<0.01	0.014	<0.01	<0.01	0.042	**0.079**	<0.01	<0.01	<0.01	<0.01	0.019	0.043	<0.01	<0.01	<0.01	<0.01	0.022	**0.081**	<0.01	<0.01	<0.01	<0.01	0.050
Cobalt	0.01	<0.01	0.0120	0.039	0.029	<0.01	0.0110	0.071	0.077	0.026	0.043	<0.01	<0.01	<0.01	<0.01	0.029	0.068	<0.01	<0.01	<0.01	0.041	0.058	0.096	<0.01	<0.01	<0.01	<0.01	NE
Lead	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	**0.016**	**0.029**	<0.01	<0.01	<0.01	<0.01	<0.01	**0.028**	<0.01	<0.01	<0.01	**0.022**	<0.01	**0.020**	<0.01	<0.01	<0.01	<0.01	0.015
Mecury	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.001
Nickel	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1
Vanadium	0.04	<0.04	<0.04	0.18	0.1	<0.04	<0.04	<0.04	<0.04	0.130	0.230	<0.04	<0.04	<0.04	<0.04	0.12	0.27	<0.04	<0.04	<0.04	0.06	0.058	0.170	<0.04	<0.04	<0.04	<0.04	NE
Zinc	0.05	0.086	0.110	0.17	0.13	0.053	0.073	<0.05	<0.05	0.097	0.180	<0.05	0.056	<0.05	0.15	0.17	0.32	<0.05	0.14	0.068	0.230	0.170	0.250	<0.05	<0.05	0.061	0.061	2.10

Notes:
BOLD - Concentration exceeds the 2L Groundwater Quality Standards or 2B Water Quality Criteria
MDL - Method Detection Limit
2B Surface Water Quality Standards, North Carolina Administrative Code Title 15A, NCDENR, Subchapter 2B, Classifications and Surface Water Quality Standards
2L Groundwater Quality Standard - North Carolina Administrative Code Title 15A, NCDENR, Subchapter 2L, Section .0200, Classifications and Water Quality Standards dated November 9, 1993 as ammended on April 14, 1998
NE - Not Established

Prepared By:
Checked By: 11/2/00