TABLE 1
Nature and Extent of Contamination
June 1992-April 2004

SURFACE SOIL	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)	Frequency of Exceeding SCG
Semivolatile Organic Compounds (SVOCs)	Benzo(a) pyrene	ND[c] - 104	0.061	1 of 2
Inorganic Compounds	Arsenic	ND - 9.5	7.5	1 of 2

SUBSURFACE SOIL	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	trans-1,2-Dichloroethene	ND[c] - 0.39	0.3	1 of 55
	1,1-Dichloroethane	ND - 6.24	0.2	6 of 55
	1,1,1-Trichloroethane	ND - 54.8	0.8	6 of 55
	1,2-Dichloroethane	ND - 0.16	0.1	1 of 55
	Trichloroethene	ND - 30.3	0.7	6 of 55
	Tetrachloroethene	ND - 88.4	1.4	12 of 55
Semivolatile Organic Compounds (SVOCs)	4-Chlor-3-methylphenol	ND - 1.4	0.24	1 of 20
	Benzo(a)anthracene	ND - 1.3	0.224	7 of 20
	Chrysene	ND - 2.2	0.4	6 of 20
	Benzo(b)fluoranthene	ND - 1.9	1.1	5 of 20
	Benzo(k)fluoranthene	ND - 1.45	1.4	1 of 20
	Benzo(a)pyrene	ND - 1.0	0.061	7 of 20
	Dibenzo(a,h)anthracene	ND - 0.28	.014	4 of 20

TABLE 1 (cont)
Nature and Extent of Contamination
June 1992-April 2004

SUBSURFACE SOIL	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)	Frequency of Exceeding SCG
PCB/Pesticides	Arochlor-1254	4.25 - 91.7	10	9 of 21
Inorganic Compounds	Arsenic	ND - 91.8	7.5	8 of 38
	Cadmium	ND - 25.1	10	2 of 38
	Chromium	ND - 1910	50	8 of 38
	Copper	8.8 - 77.6	25	1 of 38
	Lead	1.2 - 768	500	2 of 38
	Mercury	ND - 2.7	0.1	4 of 38
	Nickel	5.2 - 41.7	13	1 of 38

SUBSURFACE SOIL SPLP METHOD[d]	Contaminants of Concern	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	1,1-Dichloroethane	17	5	1 of 1
	1,1,1-Trichloroethane	100	5	1 of 1
	Trichloroethene	38	5	1 of 1
	Tetrachloroethene	56	5	1 of 1
PCBs	Arochlor-1254	1.25	0.09	1 0f 1

GROUNDWATER	Contaminants of Concern	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	1,1-Dichloroethane	ND[c] - 6	5	1 of 5
	Trichloroethene	ND - 9	5	1 of 5
	Tetrachloroethene	ND - 14	5	3 of 7
	m,p-Xylene	ND - 10	5	1 of 5
	0-Xylene	ND - 3	5	1 of 5

TABLE 1 (cont)
Nature and Extent of Contamination
June 1992-April 2004

SOIL GAS	Contaminants of Concern	Concentration Range Detected (µg/m³)[a]	SCG[b] (µg/m³)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	Acetone	760 - 1,900	N/A[e]	N/A
	2-Butanone (MEK)	360 - 7,300	N/A	N/A
	1,1-Dichloroethane	ND[c] - 540	N/A	N/A
	1,1,1-Trichloroethane	16 - 4,400	N/A	N/A
	Benzene	ND - 200	N/A	N/A
	Toluene	79 - 140	N/A	N/A
	Tetrachloroethene	ND - 9,400	N/A	N/A
	Ethylbenzene	ND - 20	N/A	N/A
	m-Xylene & p-Xylene	ND - 77	N/A	N/A
	o-xylene	ND - 25	N/A	N/A
	1,2,4-Trimethylbenzene	ND - 21	N/A	N/A
	MTBE	ND - 97	N/A	N/A

[a] ppb = parts per billion, which is equivalent to micrograms per liter, ug/L, in water; ppm = parts per million, which is equivalent to milligrams per kilogram, mg/kg, in soil; ug/m³ = micrograms per cubic meter;
[b] SCG = standards, criteria, and guidance values;
[c] ND = Not Detected;
[d] SPLP = Synthetic Precipitation Leaching Procedure - Used to evaluate what could leach from the remaining contaminated soil by rainfall. SCG used is Groundwater Standards;
[e] N/A = Not Applicable. There are no SCGs for indoor air.

TABLE 2
Pre-IRM Sample Data
June 1992-April 2004

SURFACE SOIL	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	1,1-Dichloroethane	ND - 24	0.2	8 of 18
	cis-1,2-Dichloroethene	ND - 1.2	0.25	1 of 18
	Ethylbenzene	ND - 30	5.5	1 of 18
	1,1,1-Trichloroethane	ND - 28	0.8	10 of 18
	Trichloroethene	ND - 1.7	0.7	1 of 18
	1,2,4-Trimethylbenzene	ND - 300	10	4 of 18
	1,3,5-Trimethylbenzene	ND - 94	3.3	4of 18
	Xylene	ND - 27	1.2	8 of 18
	Toluene	ND - 7.4	1.5	2 of 18
	Tetrachloroethene	ND - 15	1.4	5 of 18
	n-propylbenzene	ND - 20	3.7	1 of 15
	isopropylbenzene	ND - 9.3	2.3	1 of 15
	n-butylbenzene	ND - 110	10	3 of 15
Semivolatile Organic Compounds (SVOCs)	Naphthalene	ND - 24	13	1 of 15
Inorganic Compounds	Arsenic	ND - 29.1	7.5	4 of 15
	Barium	29 - 2300	300	4 of 15
	Cadmium	0.6 - 880	10	9 of 15
	Chromium	5.1 - 1700	50	14 of 15
	Copper	125 - 8200	25	2 of 2
	Lead	52 - 2300	500	6 of 15

TABLE 2 (cont)
Pre-IRM Sample Data
June 1992-April 2004

SUBSURFACE SOIL	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	1,1-Dichloroethane	ND - 0.54	0.2	3 of 16
	1,1,1-Trichloroethane	ND - 34	0.8	5 of 16
	Trichloroethene	ND - 1.2	0.7	2 of 16
	Tetrachloroethene	ND - 4.3	1.4	3 of 16
Semivolatile Organic Compounds (SVOCs)	Benzo(a)anthracene	0.754 - 2.580	0.224	2 of 2
	Benzo(a)pyrene	0.755 - 1.680	0.061	2 of 2
	Benzo(b)fluoranthene	1.100 - 2.620	1.1	1 of 2
	Benzo(k)fluoranthene	0.969 - 1.450	1.1	1 of 2
	Chrysene	0.860 - 2.850	0.4	2 of 2
Inorganic Compounds	Cadmium	0.19 - 24	10	2 of 14
	Chromium	4.1 - 1300	50	3 of 14
	Copper	14.5 - 1150	25	1 of 2
	Lead	2.1 - 990	500	2 of 14
	Mercury	ND - 2.6	0.1	6 of 14
	Nickel	5.4 - 255	13	1 of 2
	Zinc	18.9 - 449	20	1 of 2

SURFACE SOIL TCLP METHOD[d]	Contaminants of Concern	Concentration Range Detected (ppb)[a]	SCG[b] (ppb)	Frequency of Exceeding SCG
Inorganic Compounds	Cadmium	5 - 105,000	1000	5 of 14

[a] ppb = parts per billion, which is equivalent to micrograms per liter, ug/L, in water; ppm = parts per million, which is equivalent to milligrams per kilogram, mg/kg, in soil; ug/m^3 = micrograms per cubic meter;
[b] SCG = standards, criteria, and guidance values;
[c] ND = Not Detected;
[d] TCLP =Toxicity Characteristic Leaching Procedure - Used to evaluate if a soil meets the criteria of hazardous waste by the characteristic of toxicity.

TABLE 3
Post-IRM Sample Data
June 1992-April 2004

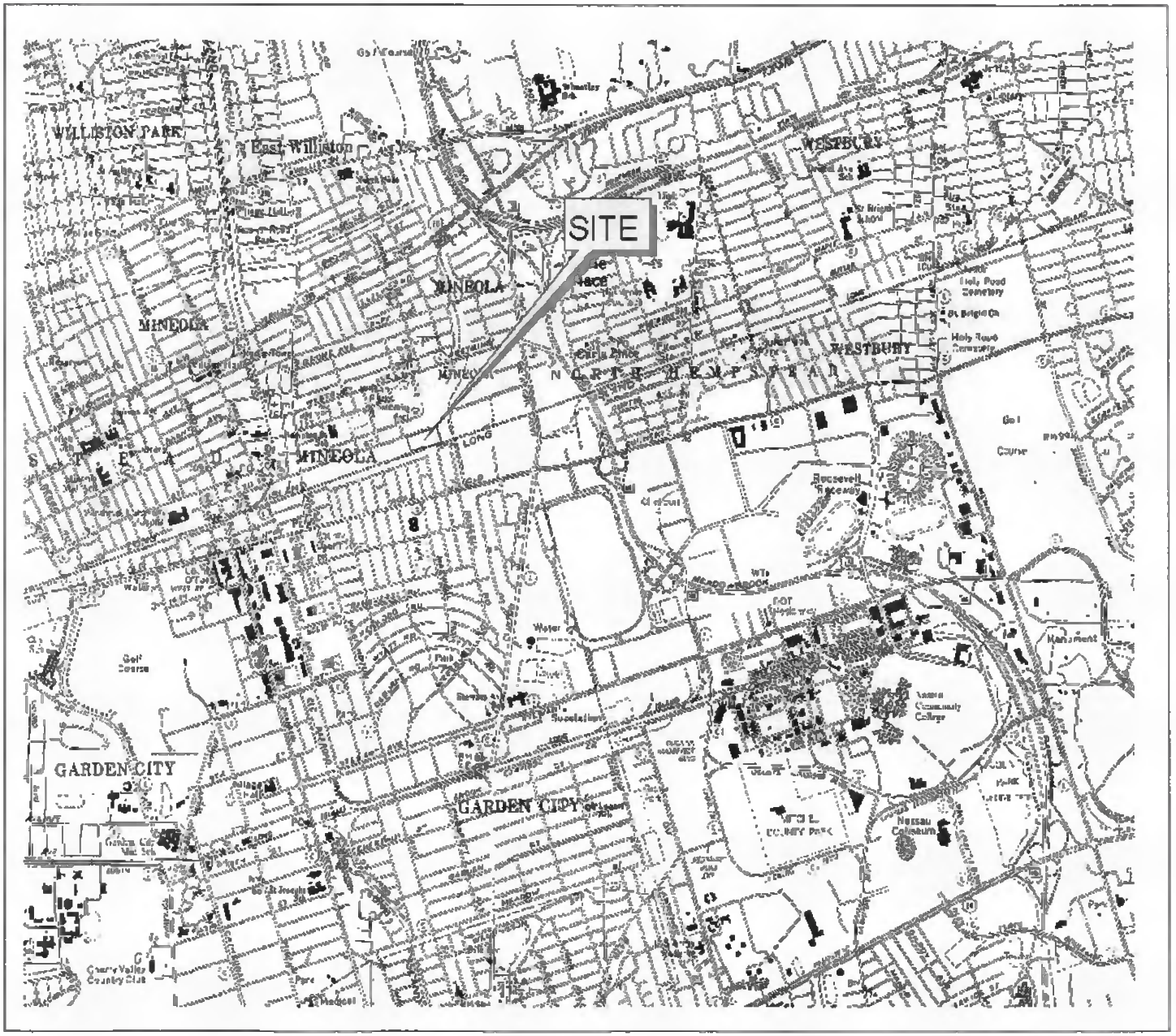
SUBSURFACE SOIL	Contaminants of Concern	Concentration Range Detected (ppm)[a]	SCG[b] (ppm)	Frequency of Exceeding SCG
PCBs[d]				
0-1' bgs	Arochlor - 1254	ND[c] - 3.27	1	2 of 15
>1' bgs	Arochlor - 1254	ND - 16.7	10	1 of 49
Inorganic Compounds	Arsenic	ND - 15.2	7.5	3 of 47
	Cadmium	ND - 4.4	10	1 of 47
	Mercury	ND - 0.15	0.1	1 of 47

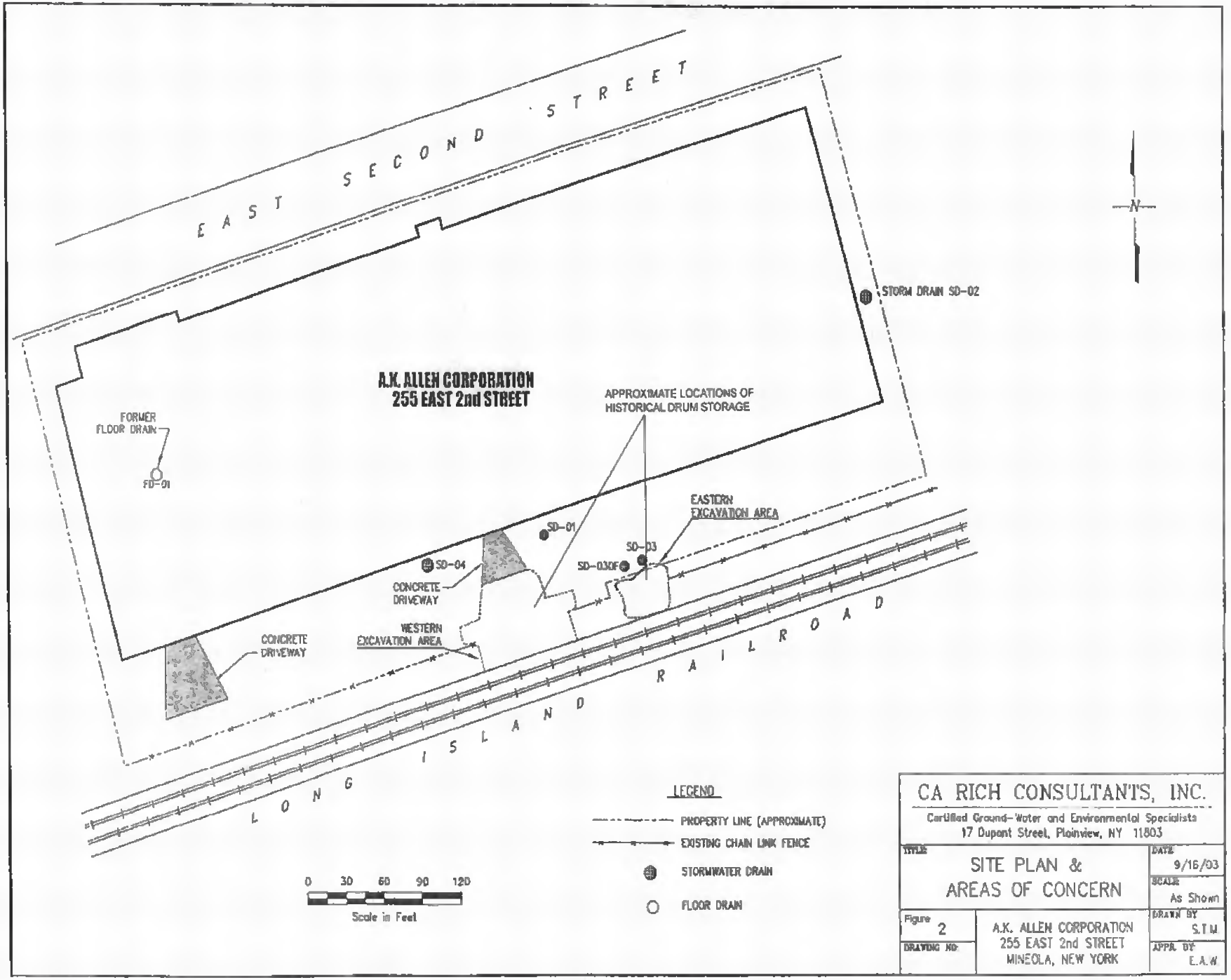
[a] ppb = parts per billion, which is equivalent to micrograms per liter, ug/L, in water; ppm = parts per million, which is equivalent to milligrams per kilogram, mg/kg, in soil; ug/m^3 = micrograms per cubic meter;
[b] SCG = standards, criteria, and guidance values;
[c] ND = Not Detected;
[d] There were no pre-IRM PCB samples

Table 4
Remedial Alternative Costs

Alternative Number	Remedial Alternative	Capital Cost	Annual OM&M	Total Present Worth
On-site				
Alternative 1	No Further Action	$0	$5,000	$77,000
Alternative 2	No Further Action Plus EC/ICs with Continued On-site Soil Gas Monitoring	$0	$16,000	$263,000
Alternative 3	Design, Installation, and Operation of an On-site Soil Vapor Extraction (SVE) System plus EC/ICs	$50,000	$43,000 (years 1-5) $16,000 (Years 6-9) $1,000 (Years 10 - 30)	$205,000
Off-site				
Alternative 1	No Action	$0	$1,880	$28,900
Alternative 2	Long-Term Groundwater Monitoring with EC/ICs	$10,000	$11,500	$187,000
Alternative 3	Removal of Impacted Soils Below the LIRR and Post Remediation Groundwater Monitoring	$1,776,000	$10,000	$1,773,000
Alternative 4	Removal of Impacted Soils Below the LIRR During Future Track Maintenance and Post Remediation Groundwater Monitoring with EC/ICs	$556,000	$10,000	$515,000
Total Cost - Proposed Remedy				
On-site Alternative 3 plus Off-site Alternative 4	Design, Installation, and Operation of an On-site Soil Vapor Extraction (SVE) System. Removal of Impacted Soils Below the LIRR During Future Track Maintenance and Post Remediation Groundwater Monitoring, EC/ICs	$606,000	$53,000 (years 1-2) $43,000 (years 3-5) $16,000 (Years 6-9) $1,000 (Years 10 - 30)	$720,000

Figure 1 - Site Location

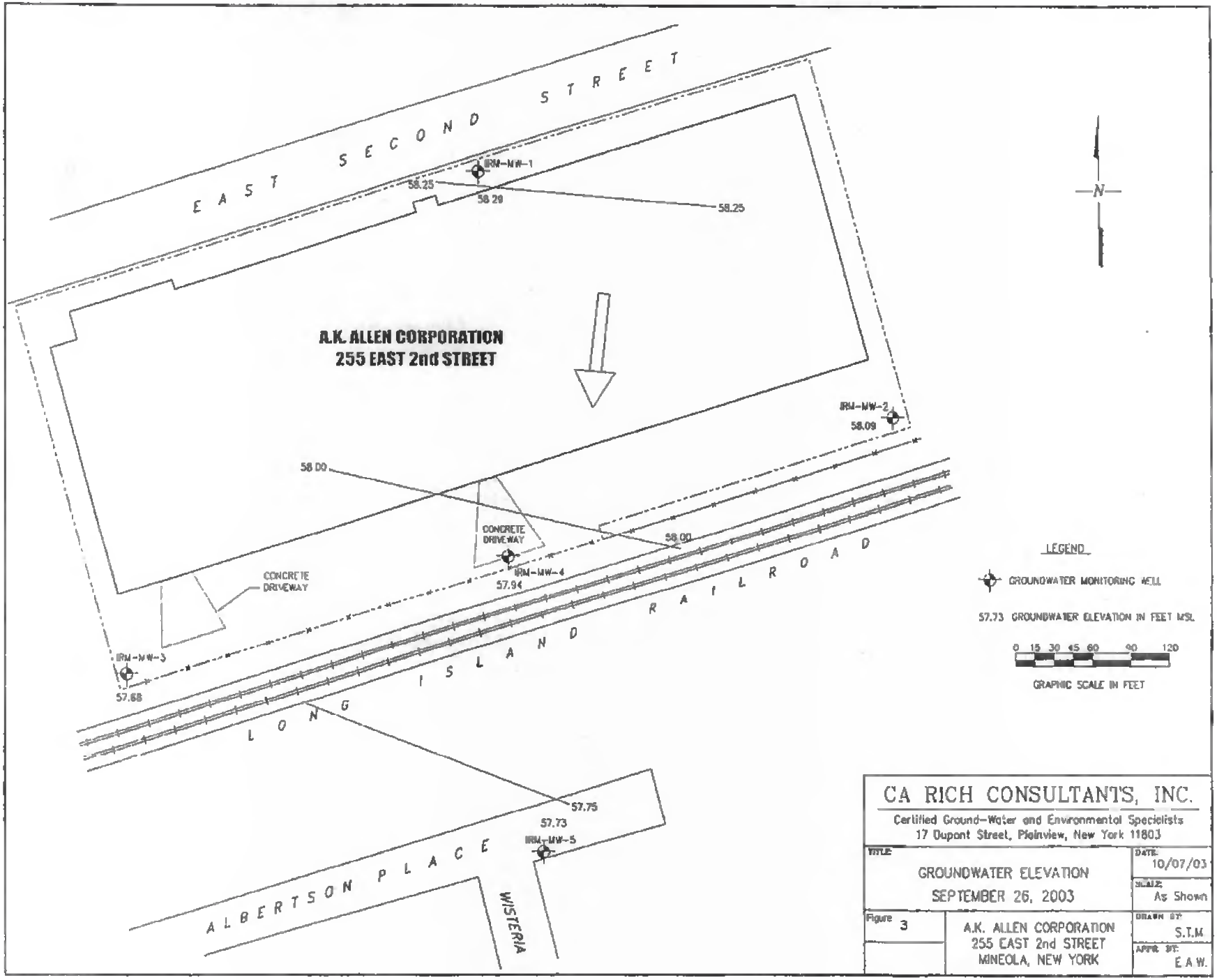




CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803

TITLE: SITE PLAN & AREAS OF CONCERN		DATE: 9/16/03
		SCALE: As Shown
Figure: 2	A.K. ALLEN CORPORATION 255 EAST 2nd STREET MINEOLA, NEW YORK	DRAWN BY: S.T.M.
DRAWING NO:		APPR. BY: E.A.W.



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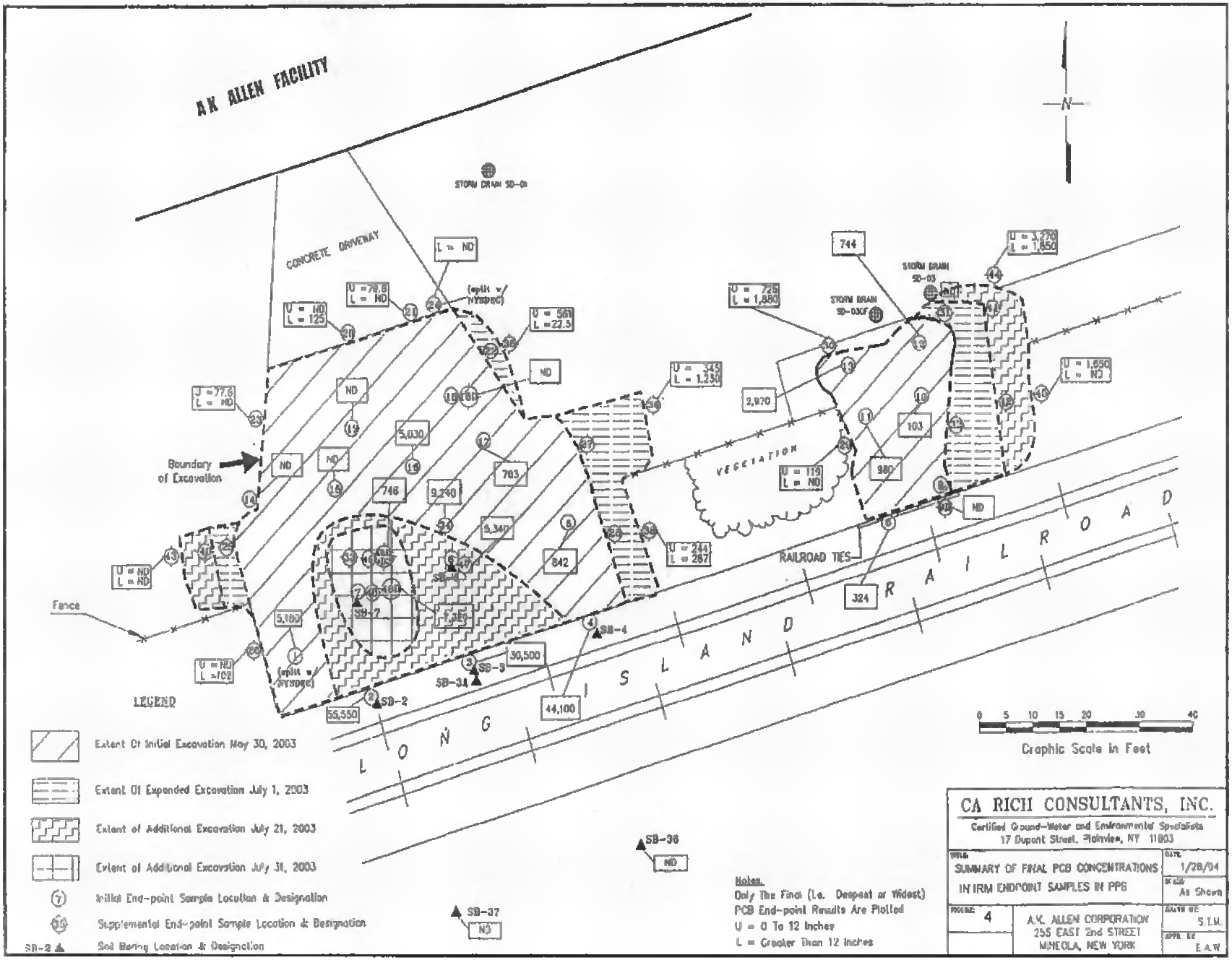
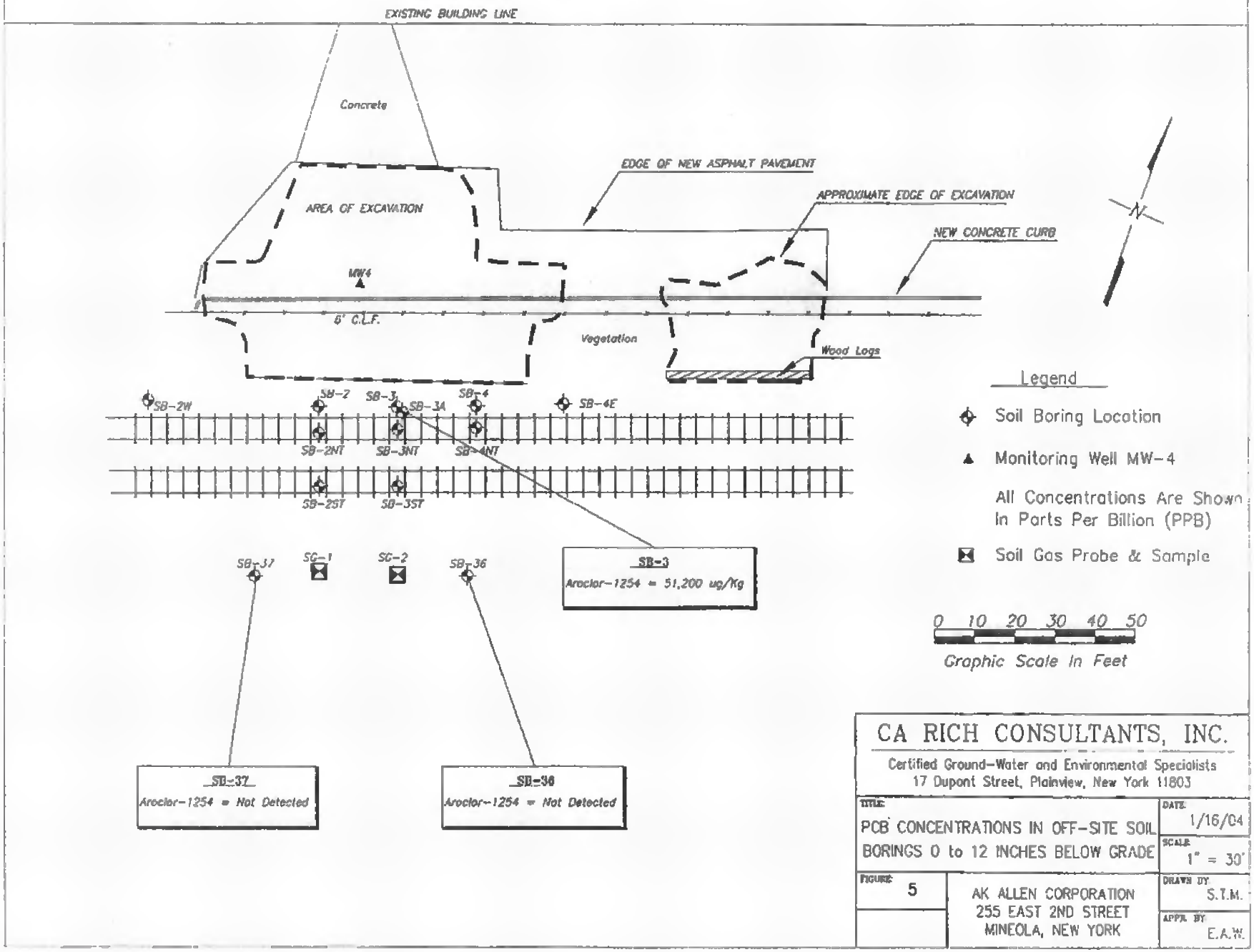
17 Dupont Street, Plainview, New York 11803

TITLE: GROUNDWATER ELEVATION SEPTEMBER 26, 2003		DATE: 10/07/03
		SCALE: As Shown
Figure 3	A.K. ALLEN CORPORATION 255 EAST 2nd STREET MINEOLA, NEW YORK	DRAWN BY: S.T.M.
		APPR. BY: E.A.W.


A K ALLEN FACILITY
CONCRETE DRIVEWAY
STORM DRAIN SD-01
STORM DRAIN SD-03
STORM DRAIN SD-03OF
VEGETATION
RAILROAD TIES
LONG ISLAND RAILROAD
Boundary of Excavation
Fence
(split w/ NYSDEC)
SB-2
SB-3
SB-3A
SB-4
SB-7
SB-36
SB-37
744
2,970
103
980
324
30,500
44,100
55,550
5,030
746
9,240
703
5,340
842
5,180
U = 3,270 L = 1,850
U = 1,650 L = ND
U = 725 L = 1,880
U = 345 L = 1,230
U = 244 L = 287
U = 119 L = ND
U = 561 L = 22.5
U = 78.8 L = ND
U = ND L = 125
U = 77.6 L = ND
U = ND L = ND
U = ND L = 102
L = ND
ND
0 5 10 15 20 30 40
Graphic Scale in Feet
LEGEND
Extent Of Initial Excavation May 30, 2003
Extent Of Expanded Excavation July 1, 2003
Extent of Additional Excavation July 21, 2003
Extent of Additional Excavation July 31, 2003
Initial End-point Sample Location & Designation
Supplemental End-point Sample Location & Designation
SB-2 Soil Boring Location & Designation
Notes:
Only The Final (i.e. Deepest or Widest) PCB End-point Results Are Plotted
U = 0 To 12 Inches
L = Greater Than 12 Inches
CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803
SUMMARY OF FINAL PCB CONCENTRATIONS IN IRM ENDPOINT SAMPLES IN PPB
1/28/04
As Shown
4
A.K. ALLEN CORPORATION
255 EAST 2nd STREET
MINEOLA, NEW YORK
S.T.M.
E.A.W.

AK ALLEN FACILITY

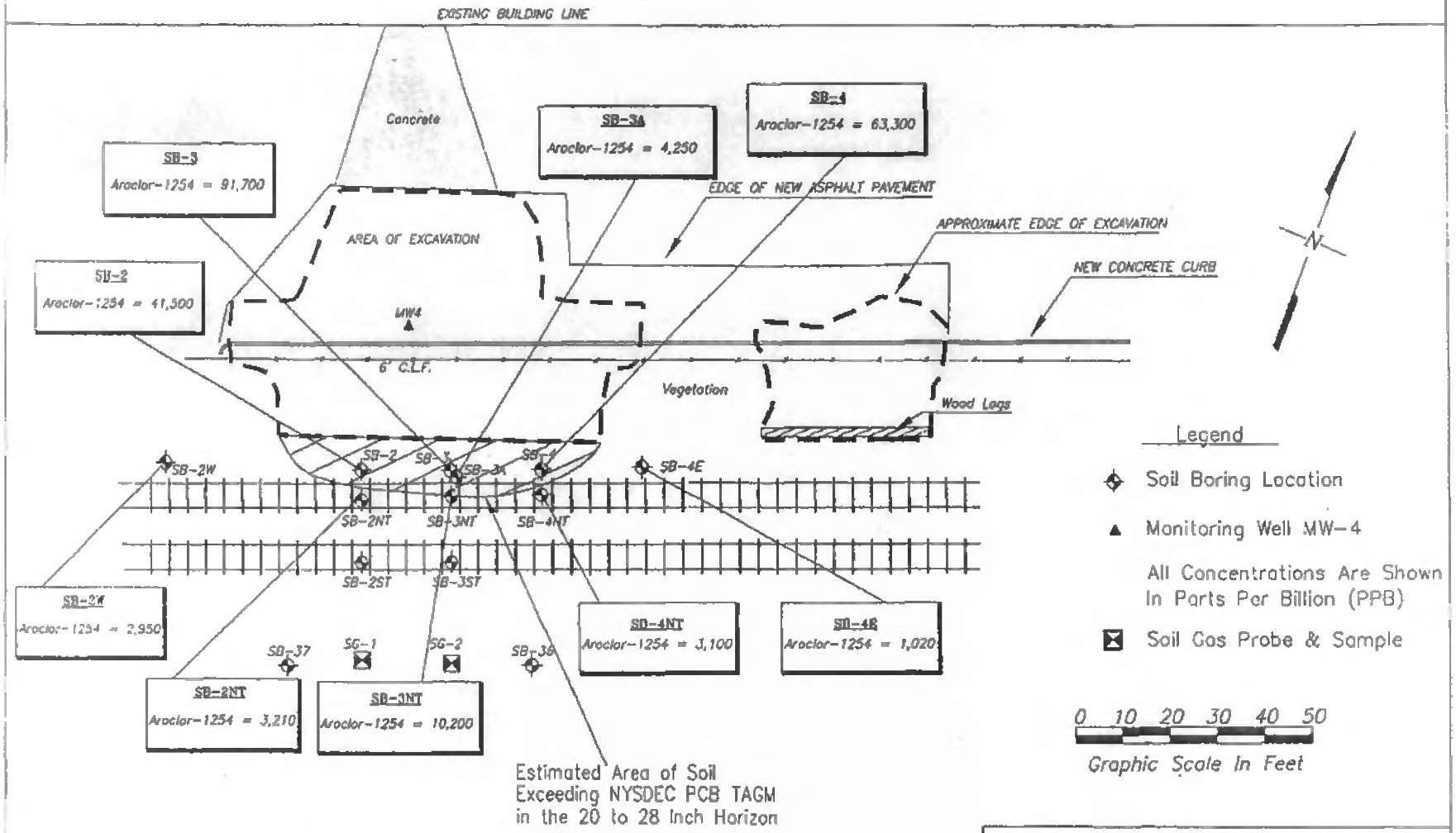


CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: PCB CONCENTRATIONS IN OFF-SITE SOIL BORINGS 0 to 12 INCHES BELOW GRADE	DATE: 1/16/04
	SCALE: 1" = 30'
FIGURE: 5	DRAWN BY: S.T.M.
AK ALLEN CORPORATION 255 EAST 2ND STREET MINEOLA, NEW YORK	APPR. BY: E.A.W.

AK ALLEN FACILITY

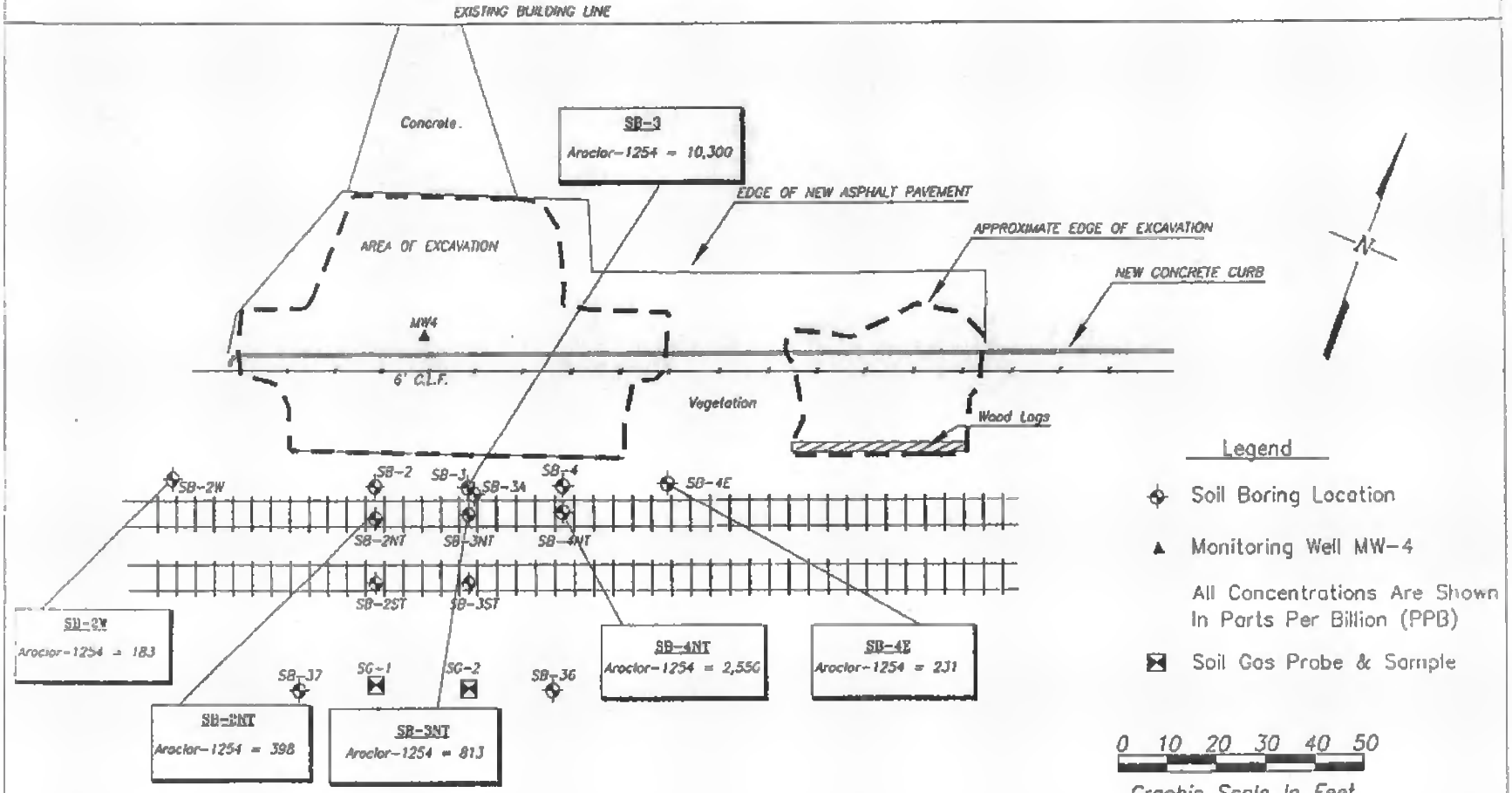


CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: PCB CONCENTRATIONS IN OFF-SITE SOIL BORINGS 20 to 28 INCHES BELOW GRADE	DATE: 1/19/04
	SCALE: 1" = 30'
FIGURE: 6	DRAWN BY: S.T.M.
AK ALLEN CORPORATION 255 EAST 2ND STREET MINEOLA, NEW YORK	APPR. BY: E.A.W.

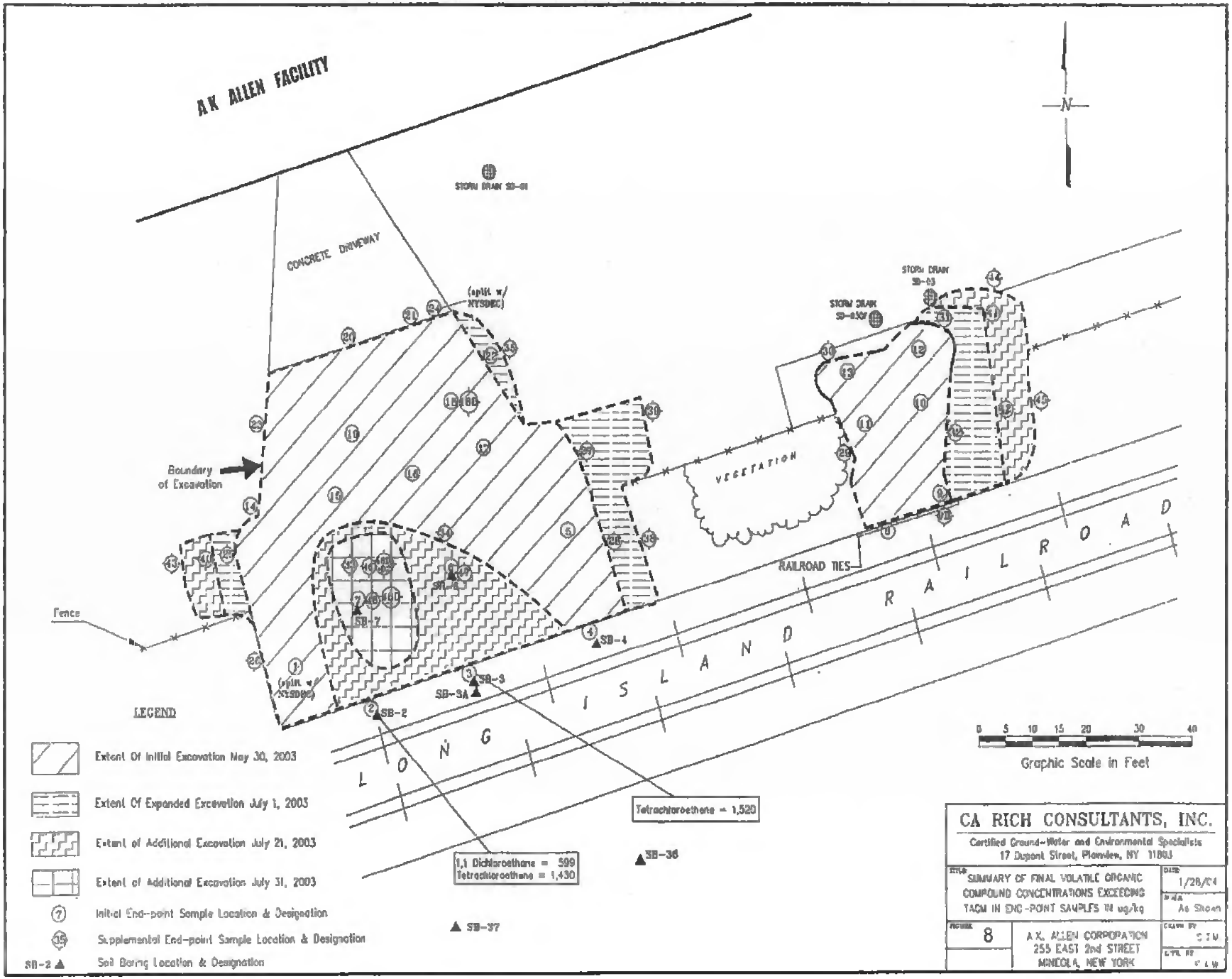
AK ALLEN FACILITY



CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: PCB CONCENTRATIONS IN OFF-SITE SOIL BORINGS 36 to 42 INCHES BELOW GRADE	DATE: 1/16/04
	SCALE: 1" = 30'
FIGURE: 7	AK ALLEN CORPORATION 255 EAST 2ND STREET MINEOLA, NEW YORK
	DRAWN BY: S.T.M.
	APPR BY: E.A.W.



CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803

TITLE: SUMMARY OF FINAL VOLATILE ORGANIC COMPOUND CONCENTRATIONS EXCEEDING TAGM IN END-POINT SAMPLES IN ug/kg

DATE: 1/28/04

SCALE: As Shown

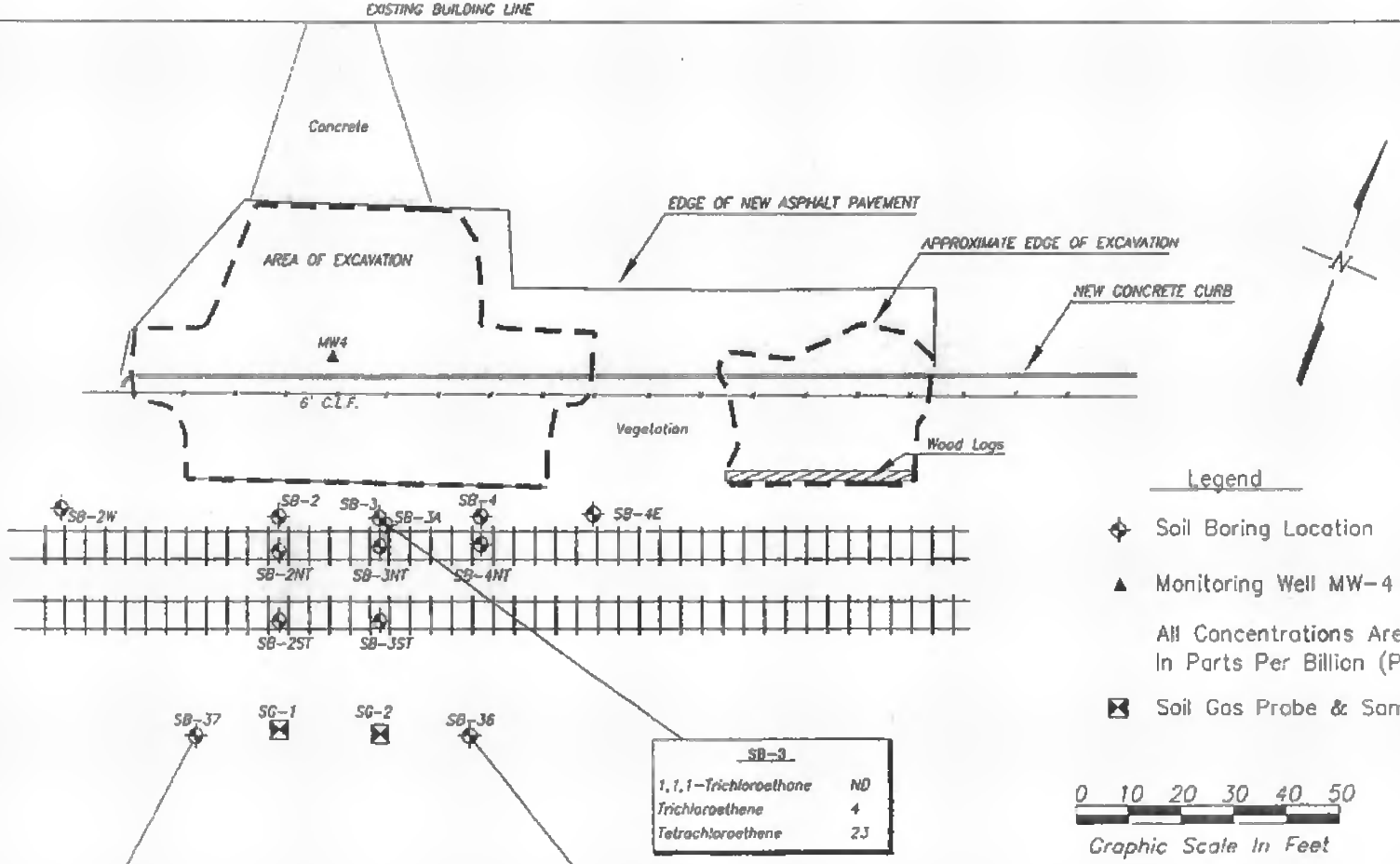
FIGURE: 8

A.K. ALLEN CORPORATION
255 EAST 2nd STREET
MINEOLA, NEW YORK

DRAWN BY: S.T.M.

CHK'D BY: C.A.R.

AK ALLEN FACILITY



SB-3	
1,1,1-Trichloroethane	ND
Trichloroethene	4
Tetrachloroethene	23

SB-37	
1,1,1-Trichloroethane	ND
Trichloroethene	ND
Tetrachloroethene	ND

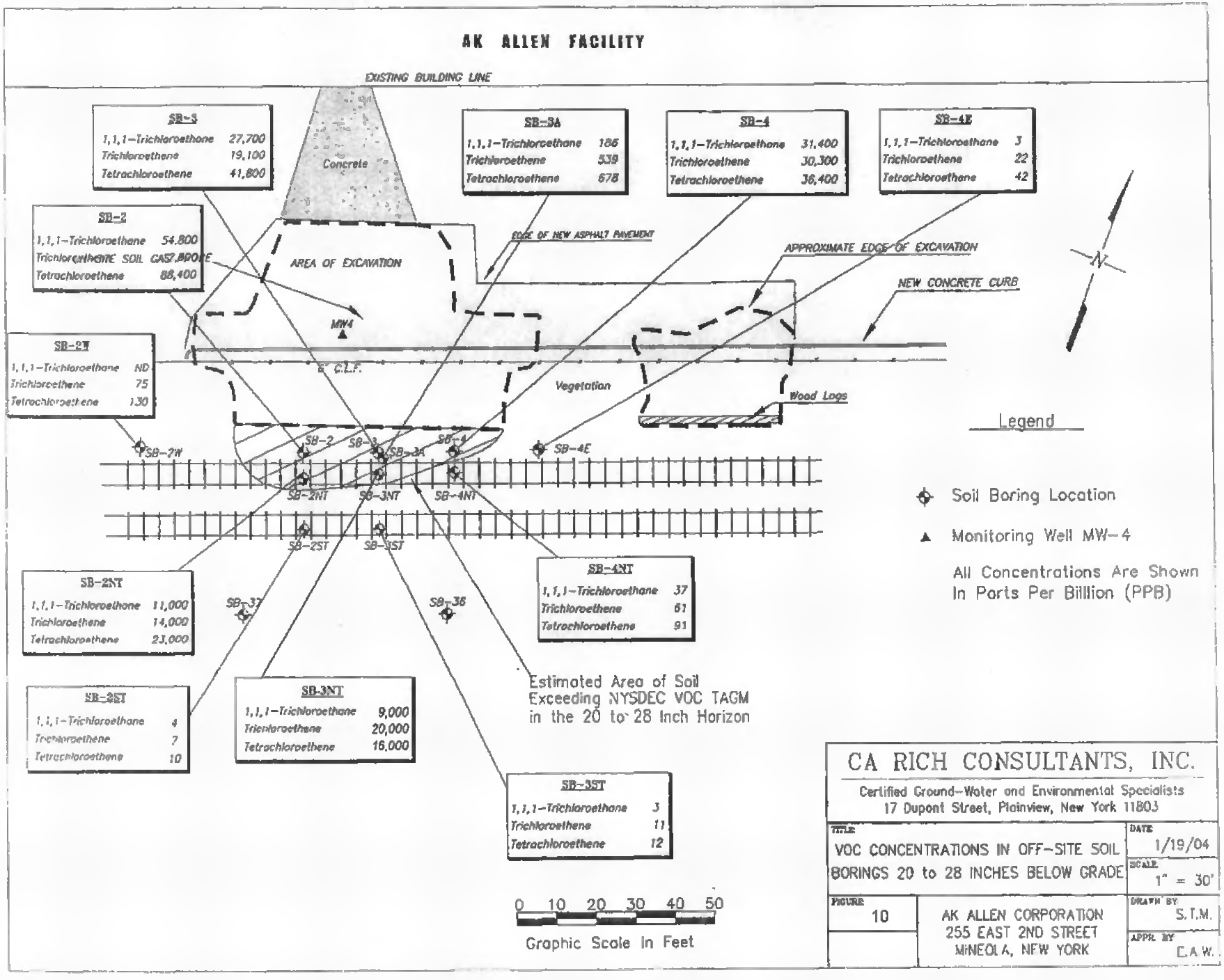
SB-36	
1,1,1-Trichloroethane	4.4
Trichloroethene	ND
Tetrachloroethene	ND

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE:	DATE:
VOC CONCENTRATIONS IN OFF-SITE SOIL BORINGS 0 to 12 INCHES BELOW GRADE	1/16/04
	SCALE: 1" = 30'
FIGURE: 9	DRAWN BY: S.T.M.
AK ALLEN CORPORATION 255 EAST 2ND STREET MINEOLA, NEW YORK	APPR BY: E.A.W.

AK ALLEN FACILITY



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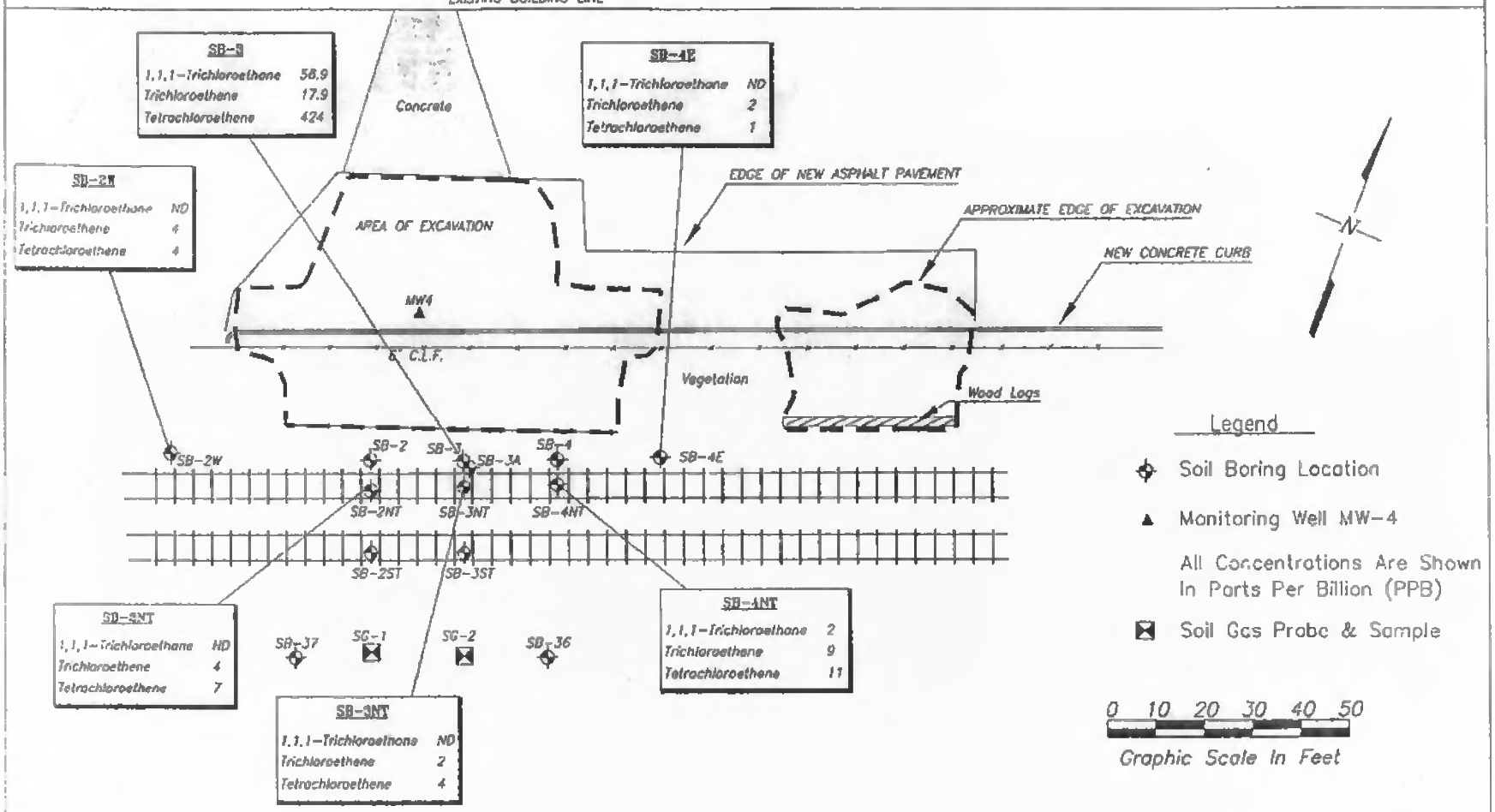
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

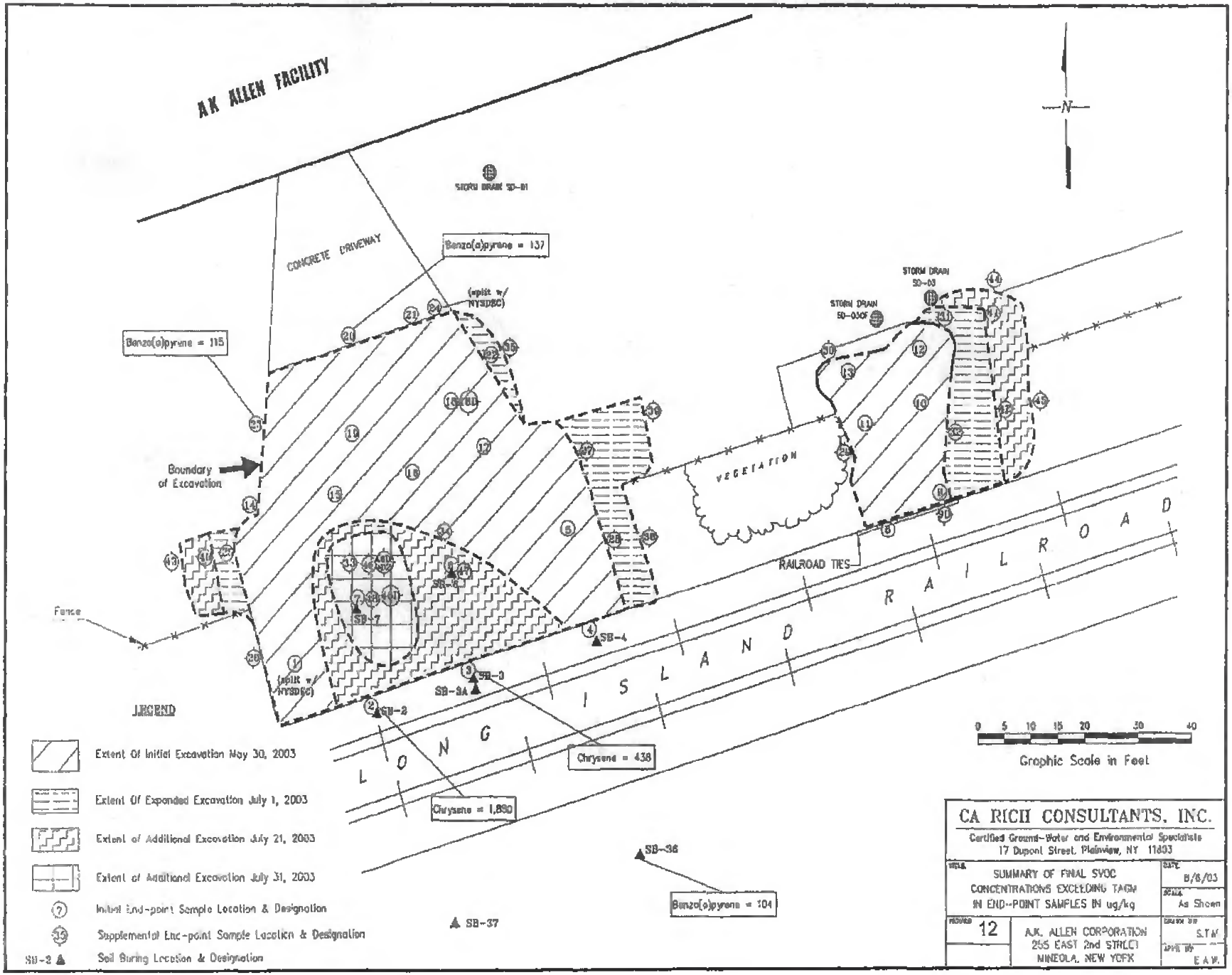
TITLE: VOC CONCENTRATIONS IN OFF-SITE SOIL BORINGS 20 to 28 INCHES BELOW GRADE		DATE: 1/19/04
		SCALE: 1" = 30'
FIGURE: 10	AK ALLEN CORPORATION 255 EAST 2ND STREET MINEOLA, NEW YORK	DRAWN BY: S.T.M.
		APPR. BY: C.A.W.

AK ALLEN FACILITY



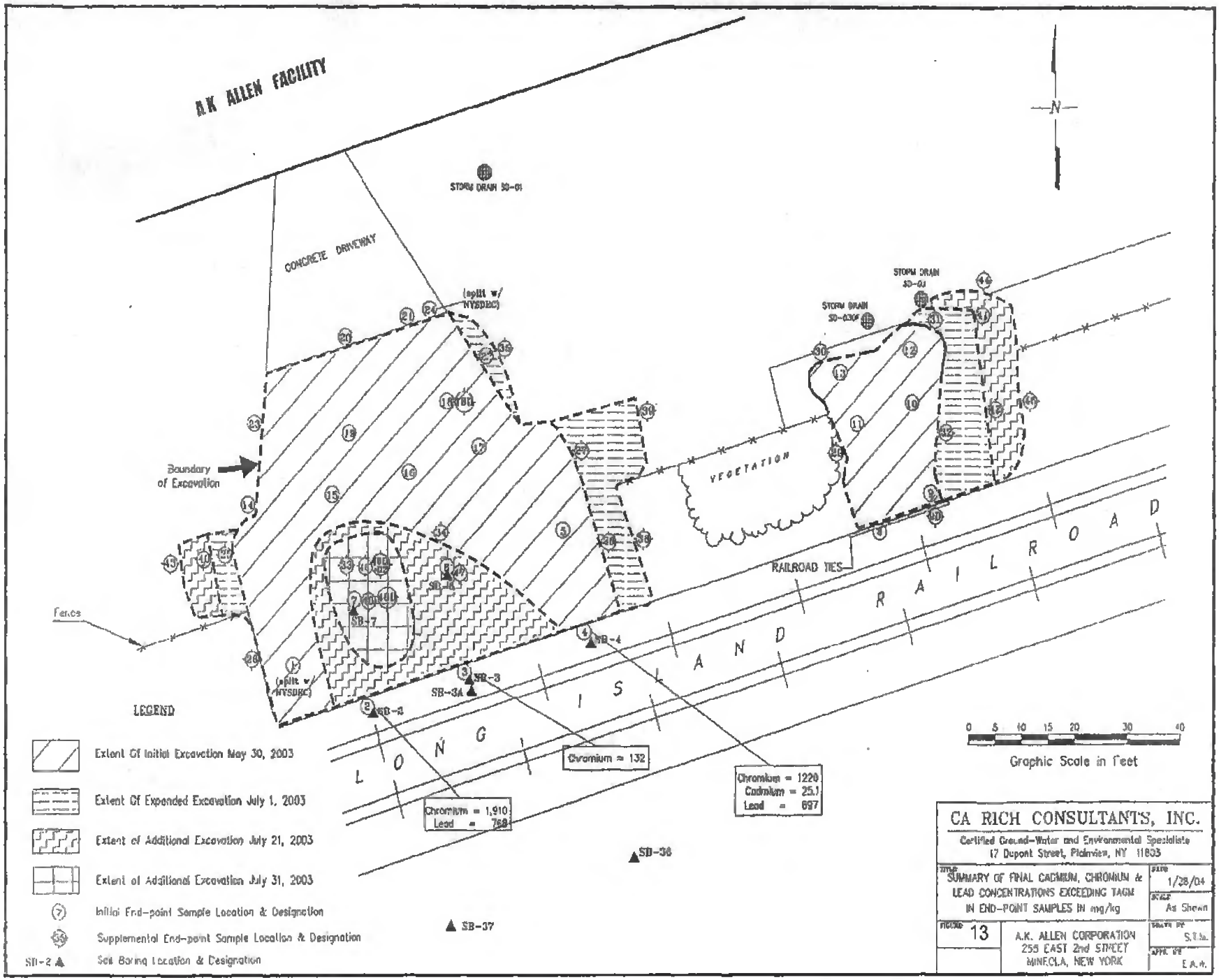
CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE:	DATE:
VOC CONCENTRATIONS IN OFF-SITE SOIL BORINGS 36 to 42 INCHES BELOW GRADE	1/19/04
	SCALE: 1" = 30'
FIGURE: 11	DRAWN BY: S.T.M.
AK ALLEN CORPORATION 255 EAST 2ND STREET MINEOLA, NEW YORK	APPR BY: E.A.W.



CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803

TITLE: SUMMARY OF FINAL SVOC CONCENTRATIONS EXCEEDING TAGM IN END-POINT SAMPLES IN ug/kg		DATE: 8/6/03
		SCALE: As Shown
FIGURE: 12	A.K. ALLEN CORPORATION 255 EAST 2nd STREET MINEOLA, NEW YORK	DRAWN BY: S.T.W.
		APPR. BY: E.A.W.



CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803

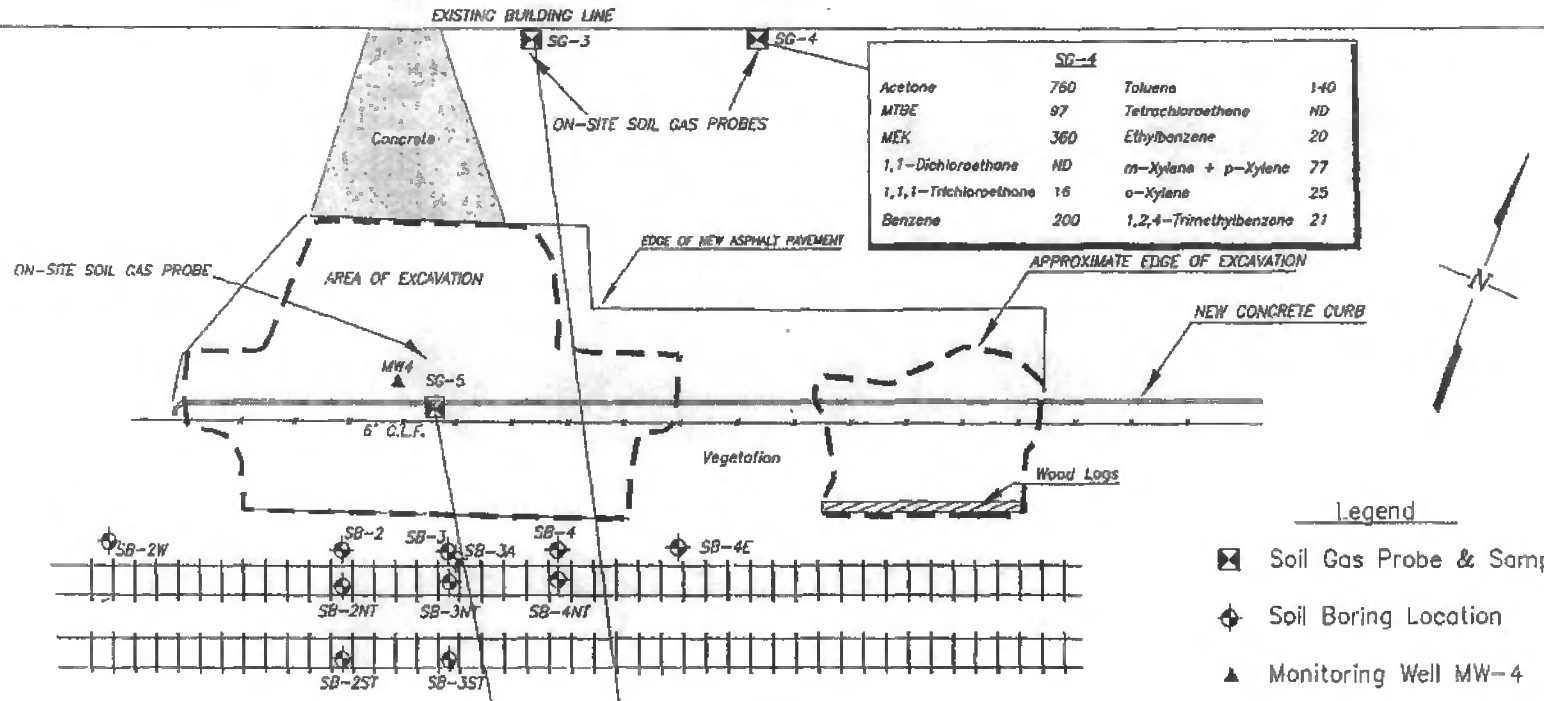
TITLE: SUMMARY OF FINAL CADMIUM, CHROMIUM & LEAD CONCENTRATIONS EXCEEDING TAGM IN END-POINT SAMPLES IN mg/kg

DATE: 1/28/04
SCALE: As Shown
DRAWN BY: S.T.Jr.
APPR. BY: E.A.R.

FIGURE: 13

A.K. ALLEN CORPORATION
255 EAST 2nd STREET
MINEOLA, NEW YORK

AK ALLEN FACILITY



SG-4			
Acetone	760	Toluene	140
MTBE	97	Tetrachloroethene	ND
MEK	360	Ethylbenzene	20
1,1-Dichloroethane	ND	m-Xylene + p-Xylene	77
1,1,1-Trichloroethane	16	o-Xylene	25
Benzene	200	1,2,4-Trimethylbenzene	21

SG-3			
Acetone	1400	Toluene	94
MTBE	ND	Tetrachloroethene	1900
MEK	7300	Ethylbenzene	ND
1,1-Dichloroethane	540	m-Xylene + p-Xylene	ND
1,1,1-Trichloroethane	1900	o-Xylene	ND
Benzene	97	1,2,4-Trimethylbenzene	ND

SG-5			
Acetone	1900	Toluene	79
MTBE	ND	Tetrachloroethene	9400
MEK	6600	Ethylbenzene	ND
1,1-Dichloroethane	ND	m-Xylene + p-Xylene	ND
1,1,1-Trichloroethane	4400	o-Xylene	ND
Benzene	ND	1,2,4-Trimethylbenzene	ND

SG-1	
1,1,1-Trichloroethane	ND
Trichloroethene	ND
Tetrachloroethene	ND
MTBE	73 ug/m^3

SG-2	
1,1,1-Trichloroethane	ND
Trichloroethene	ND
Tetrachloroethene	ND
MTBE	62 ug/m^3

Legend

- Soil Gas Probe & Sample
- Soil Boring Location
- Monitoring Well MW-4

All Concentrations Are Shown In Micrograms per Meter Cubed (ug/m3)

0 10 20 30 40 50

Graphic Scale In Feet

Based Upon Figures by C A. Rich Consultants Inc.

TITLE: VOLATILE CONCENTRATION IN SOIL VAPOR

DATE:

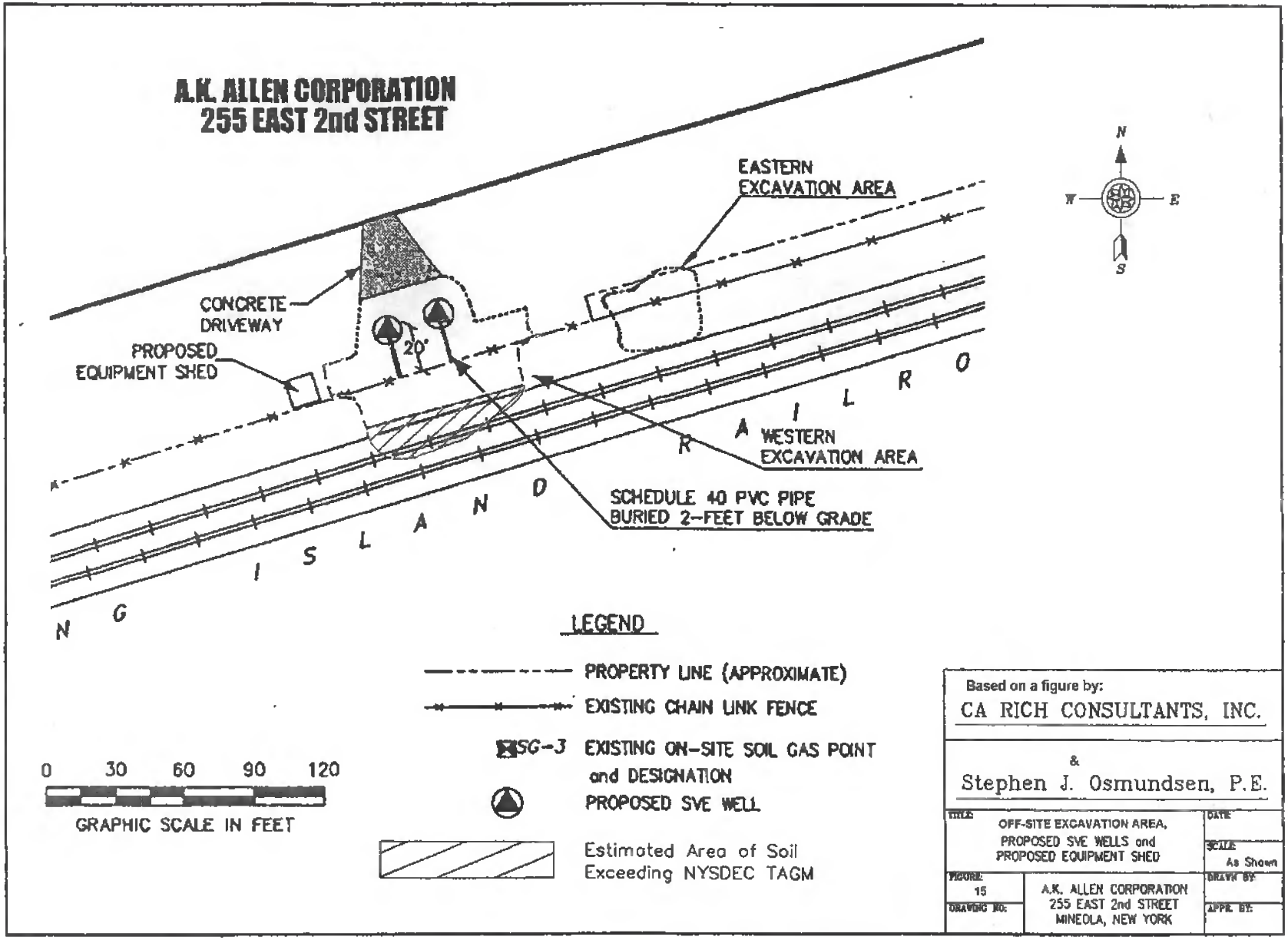
SCALE:

FIGURE: 14

AK ALLEN CORPORATION
255 EAST 2ND STREET
MINEOLA, NEW YORK

DRAWN BY:

APPR. BY:


A.K. ALLEN CORPORATION
255 EAST 2nd STREET
EASTERN
EXCAVATION AREA
CONCRETE
DRIVEWAY
PROPOSED
EQUIPMENT SHED
20'
WESTERN
EXCAVATION AREA
SCHEDULE 40 PVC PIPE
BURIED 2-FEET BELOW GRADE
LONG ISLAND RAILROAD
N
W
E
S
LEGEND
PROPERTY LINE (APPROXIMATE)
EXISTING CHAIN LINK FENCE
SG-3 EXISTING ON-SITE SOIL GAS POINT and DESIGNATION
PROPOSED SVE WELL
Estimated Area of Soil Exceeding NYSDEC TAGM
0 30 60 90 120
GRAPHIC SCALE IN FEET
Based on a figure by:
CA RICH CONSULTANTS, INC.
&
Stephen J. Osmundsen, P.E.
TITLE: OFF-SITE EXCAVATION AREA, PROPOSED SVE WELLS and PROPOSED EQUIPMENT SHED
DATE
SCALE: As Shown
FIGURE: 15
DRAWING NO:
A.K. ALLEN CORPORATION
255 EAST 2nd STREET
MINEOLA, NEW YORK
DRAWN BY:
APPR. BY:

APPENDIX A

Responsiveness Summary

RESPONSIVENESS SUMMARY

A. K. Allen Site
North Hempstead, Nassau County, New York
Site No. 1-30-100

The Proposed Remedial Action Plan (PRAP) for the A. K. Allen site, was prepared by the New York State Department of Environmental Conservation (NYSDEC) in consultation with the New York State Department of Health (NYSDOH) and was issued to the document repositories on January 3, 2006. The PRAP outlined the remedial measure proposed for the contaminated soil, soil vapor, and groundwater at the A. K. Allen site.

The release of the PRAP was announced by sending a notice to the public contact list, informing the public of the opportunity to comment on the proposed remedy.

A public meeting was held on January 18, 2006, which included a presentation of the Remedial Investigation (RI) and the Feasibility Study (FS) as well as a discussion of the proposed remedy. The meeting provided an opportunity for citizens to discuss their concerns, ask questions and comment on the proposed remedy. These comments have become part of the Administrative Record for this site. The public comment period for the PRAP ended on February 3, 2006.

This responsiveness summary responds to all questions and comments raised during the public comment period. The following are the comments received, with the NYSDEC's responses:

COMMENT 1: Are there any other sites in the area?
RESPONSE 1: Yes, there are additional sites in the area. One other inactive hazardous waste disposal site and one voluntary cleanup site are located within one mile of the site, the Old Roosevelt Field site (1-30-051), and the LIRR Mineola site (V-00398-1), respectively.

COMMENT 2: What other business may have also done similar things as A.K. Allen did?
RESPONSE 2: All businesses are supposed to manage their waste properly.

COMMENT 3: What are the site classification levels?
RESPONSE 3: From New York Code of Rules and Regulations (NYCRR) Part 375-1.8, Site classification:

- A class "1" site is a site at which:

  (a) hazardous waste constitutes a significant threat to the environment, and

  (b) the significant threat to the environment is causing, or presents an imminent danger of causing, either irreversible or irreparable damage to the environment.

- A class "2" site is a site at which hazardous waste constitutes a significant threat to the environment.

- A class "3" site is a site at which hazardous waste does not presently constitute a significant threat to the environment.

- A class "4" site is a site that has been properly closed but that requires continued operation, maintenance, and/or monitoring.

- A class "5" site is a site that has been properly closed and that does not require continued operation, maintenance, and/or monitoring.

COMMENT 4: As a Class 2 site is this considered a Superfund site, a Brownfield site?
RESPONSE 4: This Site is being addressed under the State Superfund Program.

COMMENT 5: Why is there such a long time frame associated with the cleanup of this site?
RESPONSE 5: The investigation and cleanup of contaminated sites follows a systematic process for planning and executing the work. This process allows the State to ensure that the data gathered is adequate and complete to make sound technical judgements regarding the cleanup of the site.

COMMENT 6: Who identified the site? When was the contamination discovered?
RESPONSE 6: Reportedly, the stained soil was observed by Long Island Railroad (LIRR) personnel and reported to the attention of regulators. The exact date is unknown to this agency. The Nassau County Department of Health (NCDOH) was the first regulatory agency to investigate the problem. Samples of contaminated soil were first collected in June 1992 by the NCDOH.

COMMENT 7: Were any fines levied against A.K. Allen?
RESPONSE 7: The NYSDEC is not aware of any fines related to this problem. A. K. Allen has complied with the Administrative Order on Consent (the Order) which requires a complete remedial program for this problem.

COMMENT 8: What has A.K. Allen done to make sure this problem is not ongoing? What precautions have been taken to prevent from happening again?
RESPONSE 8: After this problem was identified, waste storage practices were modified. The drums of metal shavings were no longer stored at that location. There are regulations prescribing how waste must be managed at a facility like A. K. Allen. Because this is an active facility, the NYSDEC, Division of Solid and Hazardous Materials (DSHM) oversees waste treatment, storage and disposal under the Resource Conservation Recovery Act for this facility.

COMMENT 9: Are there any lawsuits against A.K. Allen?
RESPONSE 9: This topic is beyond the scope of this Record of Decision. A. K. Allen should be consulted directly on this issue.

COMMENT 10: Were there any previous attempts to notify Mineola residents about this site?
RESPONSE 10: Yes. A fact sheet was mailed to the site contact list, which includes Mineola residents, in April 2003 to announce the start of the interim remedial measure and supplemental investigation. A fact sheet was also mailed in April 2004 to announce that the IRM was complete.

COMMENT 11: Why are there not more people here?
RESPONSE 11: The NYSDEC makes an effort to involve the public in the remedial program but cannot ensure participation. The site contact list contains over 450 names of potentially interested people, including nearby residents, the media, politicians, regulatory agencies, and community groups. This meeting announcement was sent to all those on the contact list.

COMMENT 12: Have the water districts been notified about this site?
RESPONSE 12: The New York State Water Commission, The Town of Hempstead Department of Water, and the Mineola Water Department are on the site contact list and received notification of this site.

COMMENT 13: What is the groundwater depth at this site?
RESPONSE 13: The depth to the water table is approximately 50 to 55 feet below ground surface.

COMMENT 14: Which way does groundwater flow?
RESPONSE 14: South-Southwest toward the LIRR.

COMMENT 15: How was the sampling done? What were the procedures?
RESPONSE 15: The Interim Remedial Measures Work Plan contains detailed information on the sampling procedures, including quality assurance/quality control (QA/QC) information in the quality assurance project plan in Appendix D. This document can be reviewed at any of the Document Repositories.

COMMENT 16: How far did the soil contamination extend off the site?
RESPONSE 16: The soil contamination is confirmed to be beneath the northern railroad track. It was confirmed not to be as far as the middle of the southern track. Figure 15 in this document shows the estimated extent of off-site contamination.

COMMENT 17: Did you sample south of the tracks for soil vapor, groundwater and for soil contamination? What were the results of off-site investigation south of tracks?
RESPONSE 17: Sampling for soil vapor, groundwater and soil contamination was performed south of the tracks. No groundwater contaminants were found above SCGs south of the tracks. Only MTBE was found in the soil vapor samples south of the tracks. This is not a site-related contaminant of concern and there is no SCG to which it can be compared. Arsenic was detected in one off-site soil sample above the guidance concentration but within the eastern United States background range. Benzo(a)pyrene was detected above the guidance concentration, but this is not site related and is commonly found in urban settings.

COMMENT 18: Did anybody ever get sick as a result of this site?
RESPONSE 18: We are not aware of any sickness related to this site.

COMMENT 19: You excavated 770 tons of material at this site. You must have covered a big area to do this.
RESPONSE 19: Figure 14 in this document shows the area excavated and includes a graphic scale. The depth of the excavation ranged from approximately one to four feet below ground surface.

COMMENT 20: Is the weight of the soil heavier because of the metal contamination?
RESPONSE 20: The concentrations of the metals contamination is not great enough to measurably increase the weight of the soil. The moisture content, soil particle size and density affect the soil weight more.

COMMENT 21: Why are you going to put an asphalt cover over contaminated soil? Won't water go through the cover?
RESPONSE 21: The purpose of the asphalt cover is to prevent direct contact with the soil in the few areas where the end-point confirmation samples did not meet the cleanup objectives. Water will penetrate the asphalt. The asphalt does not need to be impermeable. The residual contamination tends to remain bound to the soil.

COMMENT 22: Why don't you take the waste out at the locations where the cover is being placed?
RESPONSE 22: Removal of this residual contamination is not necessary for the proposed remedy to be protective of human health and the environment.

COMMENT 23: Was anything done about the dry wells?
RESPONSE 23: The dry wells were remediated during the IRM. Soil was excavated from the bottom of the inside of the dry wells. The dry well remediation was completed in compliance with the USEPA underground injection control (UIC) program.

COMMENT 24: How much noise will the SVE system make?
RESPONSE 24: This SVE system is not expected to be loud. The amount of noise depends upon many variables, including the size and type of blower, the vacuum applied, distance from the blower, and the type of blower enclosure. For this application, however, only a small blower is anticipated and the type of blower anticipated is among the quietest. Exhaust silencers can also be added if necessary.

COMMENT 25: How long can we expect for this site to be completely remediated?
RESPONSE 25: The active portion of the remedy, the SVE, is not expected to run longer than approximately two years. The monitoring of groundwater and soil vapor will continue until it is no longer required and this could take many years. The institutional and engineering controls, including the asphalt cover and site use restrictions will run with the land forever, unless additional active remediation is performed.

COMMENT 26: When do you propose to coordinate with the MTA to do this offsite work?
RESPONSE 26: The coordination has already begun to a limited degree. Information from LIRR was required to determine the cost and feasibility of the selected remedy. Successful and timely completion of the off-site soil excavation will require continued coordination with the LIRR.

COMMENT 27: Do you know that a third line is being proposed by the LIRR?
RESPONSE 27: The NYSDEC project manager for this Site was not aware of the contemplated third line at the time of the remedy selection. Adding a third line at this location would not negatively impact the remedy.

COMMENT 28: What can be done to speed up the off-site cleanup in the LIRR right-of-way?
RESPONSE 28: The time required to excavate the contaminated soil is very short, but the excavation can only occur when the rail service is interrupted at that location. As the potential for dermal contact exposures is restricted to the Long Island Railroad (LIRR) right of way behind the property and access to this area is limited, exposures to contaminants in this area to the general public are not likely. LIRR workers, however, could be exposed during construction or maintenance work in this area. Consequently, waiting for a planned shutdown of the rail road to coordinate the removal is preferred as it reduces the cost while reducing the remaining potential for exposure.

Administrative Record

A. K. Allen
Site No. 1-30-100

1. Proposed Remedial Action Plan for the A. K. Allen site, dated January 2006, prepared by the NYSDEC.

2. Order on Consent, Index No. W 1-0932-02-08, between NYSDEC and AK Allen Company, Inc., executed on January 2, 2003.

3. "Remedial Investigation Report", February 1996, Prepared by CA Rich Consultants, Inc.

4. "Interim Remedial Measures Work Plan", March 2003, Prepared by CA Rich Consultants, Inc.

5. "Summary Report, Underground Injection Control (UIC) Clean Out", August 2003, Prepared by CA Rich Consultants, Inc.

6. "Interim Remedial Measures Report", February 2004, Prepared by CA Rich Consultants, Inc.

7. "Supplemental Remedial Investigation Report", April 2004, Prepared by CA Rich Consultants, Inc.

8. Package of copies of MSDSs for chemicals and products reportedly still in use at A. K. Allen, January 2005.

9. "On-Site Feasibility Study", June 2005, Prepared by CA Rich Consultants, Inc.

10. "Off-Site Feasibility Study", June 2005, Prepared by CA Rich Consultants, Inc.