GIS REGISTRY INFORMATION

SITE NAME:	LARSEN COOP CO		
BRRTS #:	02-71-522564	**FID # (if appropriate):**	
DATCP # (if appropriate):	98411101601		
CLOSURE DATE:	02/23/2004		
STREET ADDRESS:	8290 CTH T		
CITY:	LARSEN		
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 629952	**Y=** 413883	
CONTAMINATED MEDIA:	Groundwater [ ]	Soil [ ]	Both [X]
OFF-SOURCE GW CONTAMINATION >ES:	[ ] Yes	[X] No	
IF YES, STREET ADDRESS 1:			
GPS COORDINATES (meters in WTM91 projection):	**X=**	**Y=**	
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	[ ] Yes	[X] No	
IF YES, STREET ADDRESS 1:			
GPS COORDINATES (meters in WTM91 projection):	**X=**	**Y=**	
CONTAMINATION IN RIGHT OF WAY:	[ ] Yes	[X] No	

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	X
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy*)*. The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	NA
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	X

State of Wisconsin
Jim Doyle, Governor

Department of Agriculture, Trade and Consumer Protection
Rod Nilsestuen, Secretary

WI DNR
RECEIVED
FEB 26 2004
NER WASTE/RR

February 23, 2004

Leroy Peterson
Larsen Cooperative Company
PO Box 37
Larsen WI 54947

Re: Notification of case closure, Larsen Cooperative, 8290 CTH T, Larsen:
DATCP Case 98411101601.

Dear Mr. Peterson:

Thank you for submitting the additional case closure documents that we requested in our letter of September 9, 2003. We have forwarded a copy of the information package that was sent to us to the Department of Natural Resources for placement onto the GIS Registry of closed remediation sites.

At this time we will require no further action on your cleanup case. As with all cleanup cases, please be aware that your case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or to the environment.

Thank you for your cooperation and efforts at restoring the environment at your site. If you have any questions regarding this information, feel free to give me a call at 608-224-4514.

Sincerely,

Stanley A. Senger
Hydrogeologist

cc: Amy Haak, ATS
Jack Darland, DATCP EES
Denise Danelski, WDNR-NE Region (w/GIS info. pkg.)
[WDNR BRRTS # 02-71-522564]

State of Wisconsin
Jim Doyle, Governor

Department of Agriculture, Trade and Consumer Protection
Rod Nilsestuen, Secretary

September 9, 2003

Leroy Peterson
Larsen Cooperative Company
PO Box 37
Larsen WI 54947

Re: Response to Case Closeout Request, Larsen Cooperative, 8283 CTH T, Larsen: Case 98411101601.

Dear Mr. Peterson:

We have some good news for you. On September 2, 2003, information about your cleanup case at 8283 CTH T, Larsen, Wisconsin was presented to the department's case closeout committee. After a review and discussion of the investigation and cleanup that was performed at your site, the committee agreed to close your case contingent upon completion of each of the following:

1. Preparation and recording of a deed restriction that meets the requirements of ch. NR 726.05(8)(b)2 and 726.05(9), Wis. Adm. Code to address residual soil contamination beneath structures at the facility.
2. Preparation of an information package that meets the requirements of ch. NR 726.05 for placement on the Department of Natural Resources (DNR) GIS Registry of closed remediation sites. This package should include a copy of the aforementioned deed restriction.
3. Submittal of the aforementioned information package (GIS) in duplicate, as one of the copies will be sent to the DNR for placement on their GIS Registry.
4. Payment of the fees required by DNR for placement on the GIS Registry for both soil and groundwater. These fees are not eligible for reimbursement from the ACCP program.
5. Perform monitoring well abandonment per ch. NR 141, Wis. Adm. Code.

We encourage you to discuss this further with your consultant, as they will need to prepare much of materials in the GIS information package. Please have Alpha Terra Science submit a cost estimate for well abandonment and helping prepare the required deed restriction and GIS information package.

Should you wish to not close your case under the above stated conditions, then you will be required to continue monitoring groundwater until such time as contaminant concentrations in groundwater decrease to levels below their respective enforcement standards (ch. NR 140, Wis. Adm. Code). If you wish to continue monitoring, then please have your consultant submit a cost estimate for such monitoring within 30 days.

Thank you for your cooperation and efforts to bring this cleanup case to the point of final closure. If you or your consultant have any questions regarding this information, feel free to give me a call at 608-224-4514.

Sincerely,

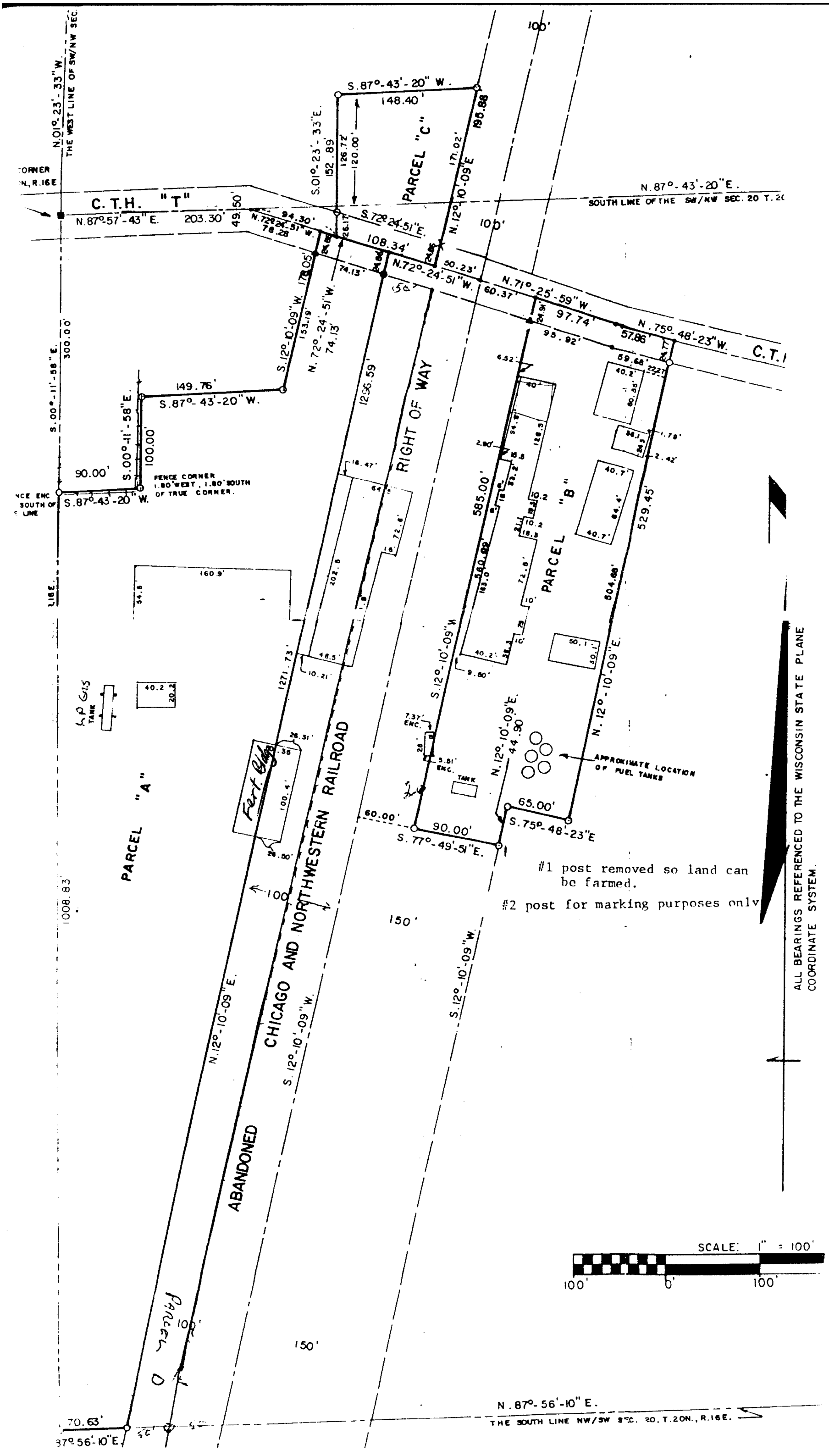
Stanley A. Senger
Hydrogeologist

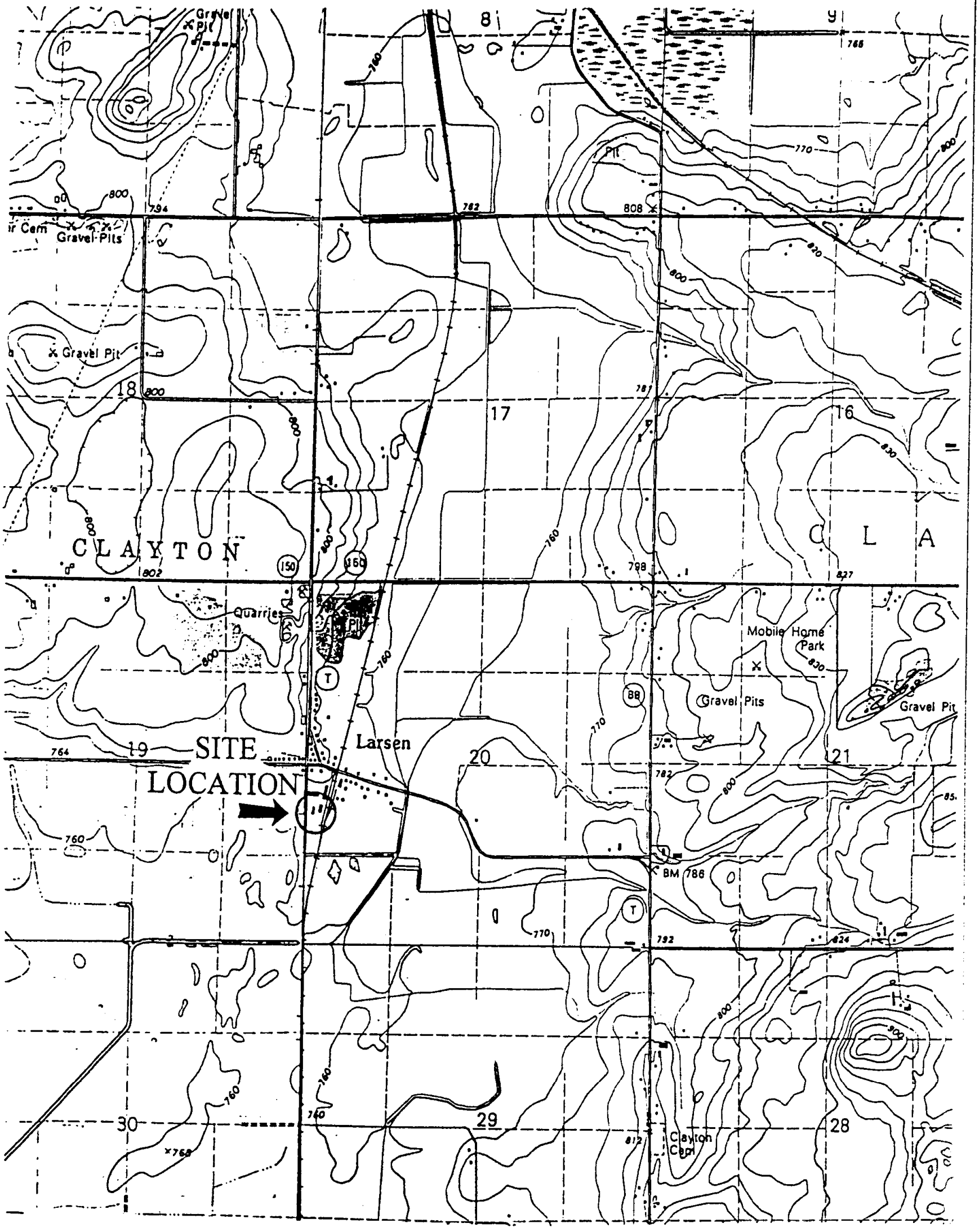
cc: Amy Haak, ATS
Jack Darland, DATCP EES

PARCEL "A"

A part of the Northwest Quarter (NW¼) of the Southwest Quarter (SW¼) of Section Twenty (20), Township Twenty (20) North, Range Sixteen (16) East, Town of Clayton, Winnebago County, Wisconsin containing 4.991 Acres of land and being described by: Commencing at the West Quarter (W¼) corner of said Section 20, thence S00°-11'-58"E 300.00 feet along the West line of the NW¼ of the SW¼ of said Section 20 to the true point of beginning, thence continuing S00°-11'-58"E 1008.83 feet along the West line of the NW¼ of the SW¼ of said Section 20, thence N87°-56'-10"E 70.63 feet along the South line of the NW¼ of the SW¼ of said Section 20 to a point on the Westerly right-of-way line of the abandoned Chicago and Northwestern Railroad Company, thence N12°-10'-09"E 1296.59 feet along said right-of-way line to a point on the centerline of C.T.H. "T", thence N72°-24'-51"W 74.13 feet along the centerline of C.T.H. "T", thence S12°-10'-09"W 178.05 feet, thence S87°-43'-20"W 149.76 feet parallel with the North line of the NW¼ of the SW¼ of said Section 20, thence S00°-11'-58"E 100.00 feet parallel with the West line of the NW¼ of the SW¼ of said Section 20, thence S87°-43'-20"W 90.00 feet parallel with the North line of the NW¼ of the SW¼ of said Section 20 to the true point of beginning.

The afore described being the same lands as described in Volume 1150 Page 173, Volume 1151 Page 13, Volume 833 Page 583 and Volume 480 Page 481 of deeds.


N.01°-23'-33"W.
THE WEST LINE OF SW/NW SEC.
CORNER
N, R.16E
C.T.H. "T"
N.87°-57'-43"E.
203.30'
S.87°-43'-20"W.
148.40'
S.01°-23'-33"E.
152.89'
126.72'
120.00'
PARCEL "C"
171.02'
N.12°-10'-09"E
195.86'
N.87°-43'-20"E.
SOUTH LINE OF THE SW/NW SEC. 20 T.20
S.72°-24'-51"E.
108.34'
N.72°-24'-51"W.
50.23'
N.71°-25'-59"W.
60.37'
97.74'
N.75°-48'-23"W.
C.T.
S.12°-10'-09"W.
153.19'
N.72°-24'-51"W.
74.13'
149.76'
S.87°-43'-20"W.
S.00°-11'-58"E.
100.00'
90.00'
FENCE CORNER
1.80'WEST, 1.80'SOUTH
OF TRUE CORNER.
S.87°-43-20"W.
300.00'
S.00°-11'-58"E.
1256.59'
RIGHT OF WAY
585.00'
PARCEL "B"
529.45'
804.68'
N.12°-10'-09"E.
S.12°-10'-09"W.
160.9'
1271.73'
PARCEL "A"
L.P. GAS TANK
Fert. Bldg.
CHICAGO AND NORTHWESTERN RAILROAD
N.12°-10'-09"E.
44.90'
APPROXIMATE LOCATION OF FUEL TANKS
TANK
65.00'
S.75°-48'-23"E
90.00'
S.77°-49'-51"E.
60.00'
#1 post removed so land can be farmed.
#2 post for marking purposes only
150'
S.12°-10'-09"W.
ABANDONED
N.12°-10'-09"E.
S.12°-10'-09"W.
Parcel D
150'
N.87°-56'-10"E.
THE SOUTH LINE NW/SW SEC. 20, T.20N., R.16E.
70.63'
N.87°-56'-10"E.
SCALE: 1" = 100'
100'
0'
100'
ALL BEARINGS REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM.



SOURCE: USGS 15' QUADRANGLES
NE OSHKOSH AND NW OSHKOSH

-N-

LARSEN COOPERATIVE COMPANY				ALPHA TERRA SCIENCE
SITE LOCATION				
REV	DATE	DESCRIPTION	APPVD	
				DATE: 03/01/00 File: \siteloca

FIGURE 1

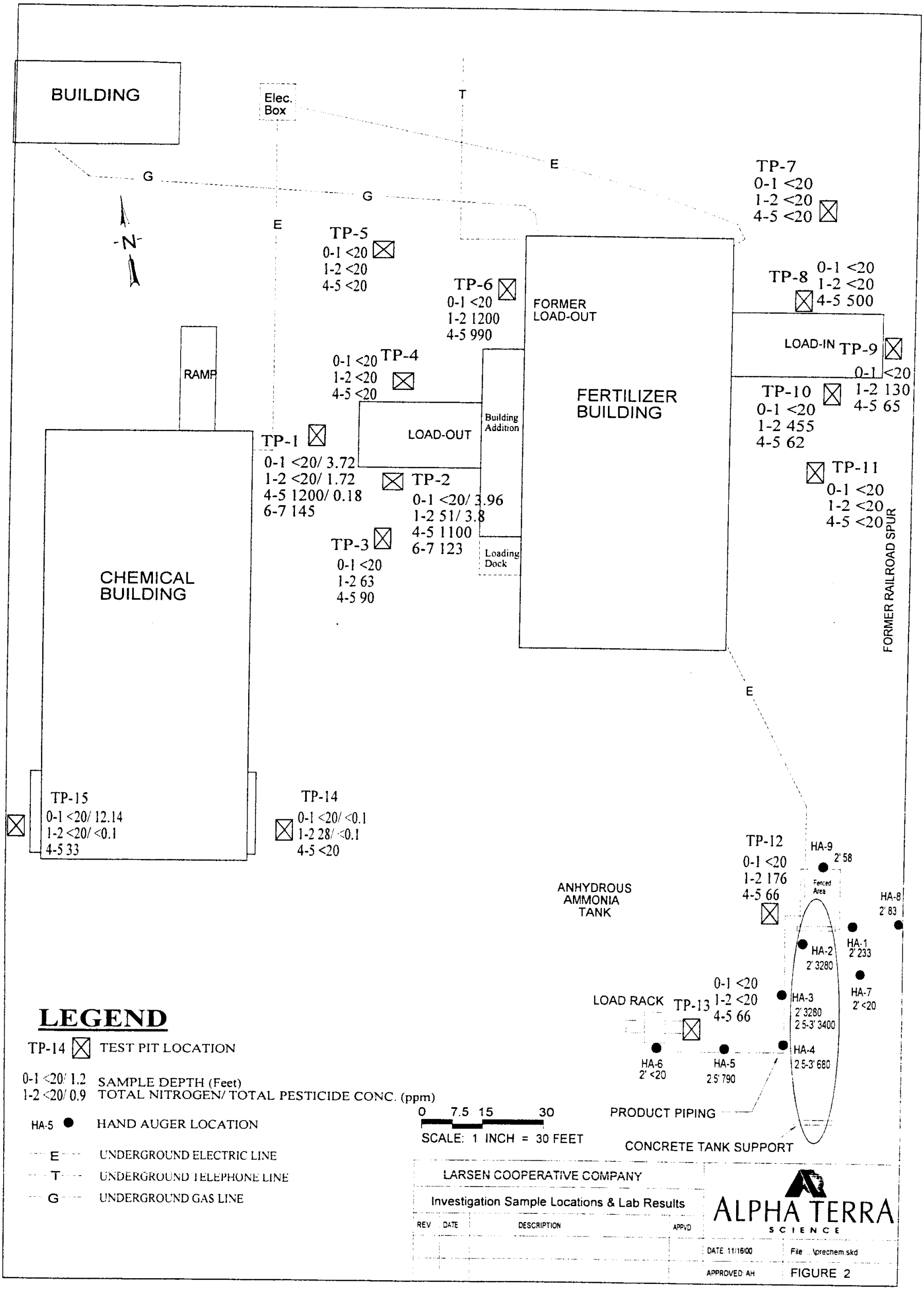

BUILDING
Elec. Box
T
E
G
G
E
N
TP-7
0-1 <20
1-2 <20
4-5 <20
TP-5
0-1 <20
1-2 <20
4-5 <20
TP-6
0-1 <20
1-2 1200
4-5 990
TP-8
0-1 <20
1-2 <20
4-5 500
FORMER LOAD-OUT
LOAD-IN
TP-9
0-1 <20
1-2 130
4-5 65
RAMP
TP-4
0-1 <20
1-2 <20
4-5 <20
LOAD-OUT
Building Addition
FERTILIZER BUILDING
TP-10
0-1 <20
1-2 455
4-5 62
TP-1
0-1 <20/ 3.72
1-2 <20/ 1.72
4-5 1200/ 0.18
6-7 145
TP-2
0-1 <20/ 3.96
1-2 51/ 3.8
4-5 1100
6-7 123
TP-11
0-1 <20
1-2 <20
4-5 <20
TP-3
0-1 <20
1-2 63
4-5 90
Loading Dock
FORMER RAILROAD SPUR
CHEMICAL BUILDING
E
TP-15
0-1 <20/ 12.14
1-2 <20/ <0.1
4-5 33
TP-14
0-1 <20/ <0.1
1-2 28/ <0.1
4-5 <20
TP-12
0-1 <20
1-2 176
4-5 66
HA-9
2' 58
Fenced Area
ANHYDROUS AMMONIA TANK
HA-8
2' 83
HA-1
2' 233
HA-2
2' 3280
HA-7
2' <20
0-1 <20
1-2 <20
4-5 66
LOAD RACK
TP-13
HA-3
2' 3280
2.5-3' 3400
HA-4
2.5-3' 680
HA-6
2' <20
HA-5
2.5' 790
PRODUCT PIPING
CONCRETE TANK SUPPORT
LEGEND
TP-14 TEST PIT LOCATION
0-1 <20/ 1.2 SAMPLE DEPTH (Feet)
1-2 <20/ 0.9 TOTAL NITROGEN/ TOTAL PESTICIDE CONC. (ppm)
HA-5 HAND AUGER LOCATION
E UNDERGROUND ELECTRIC LINE
T UNDERGROUND TELEPHONE LINE
G UNDERGROUND GAS LINE
0 7.5 15 30
SCALE: 1 INCH = 30 FEET
LARSEN COOPERATIVE COMPANY
Investigation Sample Locations & Lab Results
REV DATE DESCRIPTION APPVD
ALPHA TERRA
SCIENCE
DATE 11/16/00
File \precnem.skd
APPROVED AH
FIGURE 2

TABLE 2

GROUNDWATER SAMPLE ANALTYICAL DATA - PESTICIDES

Larsen Cooperative, Larsen, WI

Sample ID	Date	EPTC ug/kg	Butylate ug/kg	Trifluralin ug/kg	DEA ug/kg	DIA ug/kg	Atrazine ug/kg	Total Atrazines ug/kg	Prometon ug/kg	Propazine ug/kg	Simazine ug/kg	Acetochlor ug/kg	Dimethenamid ug/kg	Alachlor ug/kg	Metribuzin ug/kg	Metolachlor ug/kg	Chlorpyrifos ug/kg	Pendimethalin ug/kg	Cyanazine ug/kg
MW-1	5/7/02	<0.064	<0.068	<0.057	<0.027	<0.062	<0.024	0.000	0.14	<0.12	<0.036	<0.027	0.086	<0.024	<0.029	<0.014	<0.040	<0.017	<0.020
MW-1	8/28/02	<0.013	<0.021	<0.027	<0.0089	<0.014	<0.017	0.000	<0.011	<0.0054	<0.0089	<0.034	<0.034	<0.056	<0.012	<0.058	<0.011	<0.020	<0.0044
MW-1	11/19/02	0.037	<0.020	<0.027	<0.0088	0.019	<0.017	0.019	0.065	<0.0054	<0.0088	<0.033	<0.033	<0.056	<0.012	<0.057	<0.011	<0.019	<0.0044
MW-1	2/12/03	<0.013	<0.021	<0.027	<0.0089	<0.014	<0.017	0.000	<0.011	<0.0054	<0.0089	<0.034	<0.034	<0.056	<0.012	<0.058	<0.011	<0.020	<0.0044
MW-2	5/7/02	23	<0.068	<0.056	0.073	<0.061	0.59	**0.66**	0.65	<0.12	<0.036	<0.027	0.18	0.13	0.20	**9.1**	<0.040	0.32	<0.019
MW-2 Dup.	5/7/02	23	<0.068	<0.056	0.084	<0.061	0.57	**0.65**	0.58	<0.12	<0.036	<0.027	0.17	0.12	0.16	**9.4**	<0.040	<0.017	<0.019
MW-2	8/28/02	28	<0.021	<0.027	0.065	0.037	<0.017	0.10	<0.11	<0.0054	<0.0089	<0.034	<0.034	<0.056	<0.012	**9.0**	<0.011	<0.020	0.090
MW-2	11/19/02	26	<0.020	<0.027	0.042	0.026	<0.017	0.07	<0.011	<0.0054	0.055	<0.033	<0.033	<0.056	<0.021	**6.7**	<0.011	<0.019	0.060
MW-2	2/12/03	14	<0.021	<0.028	0.043	<0.014	<0.017	0.04	<0.011	<0.0055	0.038	<0.034	0.11	<0.057	0.09	**7.1**	<0.011	<0.020	0.043
MW-2 Dup.	2/12/03	15	<0.022	<0.029	0.069	0.084	<0.018	0.15	<0.012	<0.0059	0.029	<0.036	0.10	<0.061	<0.013	**8.6**	<0.012	<0.021	0.066
MW-3	5/7/02	<0.064	<0.068	<0.056	<0.027	<0.061	<0.024	0.000	0.29	<0.12	<0.036	<0.027	<0.032	<0.024	<0.029	0.24	<0.040	<0.017	<0.019
MW-3	8/28/02	<0.013	<0.020	<0.027	0.021	<0.014	<0.017	0.021	0.33	<0.0054	<0.0088	<0.033	<0.033	<0.056	<0.012	0.18	<0.011	<0.019	<0.0044
MW-3	11/19/02	<0.013	<0.020	<0.027	0.034	0.015	<0.017	0.049	0.35	<0.0054	<0.0089	<0.034	<0.034	<0.056	<0.012	<0.058	<0.011	<0.020	<0.0044
MW-3 Dup.	11/19/02	<0.013	<0.020	<0.027	0.029	<0.014	<0.017	0.029	0.31	<0.0054	<0.0088	<0.033	<0.033	0.080	<0.012	<0.057	<0.011	<0.020	<0.0044
MW-3	2/12/03	<0.014	<0.022	<0.028	<0.0093	<0.015	<0.018	0.000	0.42	<0.0057	<0.0093	<0.035	<0.035	<0.059	<0.013	0.16	<0.012	<0.021	<0.0046
MW-4	5/7/02	<0.064	<0.068	<0.056	<0.027	<0.061	<0.024	0.000	<0.12	<0.12	<0.036	<0.027	<0.032	<0.024	<0.029	<0.014	<0.040	<0.017	<0.019
MW-4	8/28/02	<0.013	<0.021	<0.028	<0.0090	<0.014	<0.017	0.000	<0.011	<0.0055	<0.0090	<0.034	<0.034	<0.057	<0.012	<0.059	<0.011	<0.020	<0.0045
MW-4 Dup.	8/28/02	<0.013	<0.021	<0.028	<0.0090	<0.014	<0.017	0.000	<0.011	<0.0055	<0.0090	<0.034	<0.034	<0.057	<0.012	<0.058	<0.011	<0.020	<0.0044
MW-4	11/19/02	<0.014	<0.022	<0.029	<0.0095	<0.015	<0.018	0.000	<0.012	<0.0058	<0.095	<0.036	<0.036	<0.060	<0.013	<0.062	<0.012	<0.021	<0.0047
MW-4	2/12/03	<0.014	<0.022	<0.028	<0.0093	<0.015	<0.018	0.000	<0.012	<0.0057	<0.0093	<0.035	<0.035	<0.059	<0.013	<0.061	<0.012	<0.021	<0.0046
NR 140 Preventive Action Lim		60	6.7	0.75	NS	NS	NS	0.3	18	NS	0.4	NS	NS	0.2	50	1.5	NS	NS	0.1
NR 140 Enforcement Standar		250	67	7.5	NS	NS	NS	3	90	NS	4	NS	NS	2	250	15	NS	NS	1

Notes: NA= Not analyzed for parameter *NS= No groundwater standard established*

Bold *indicates exceedance of NR 140.10 Enforcement Standard*

Bold *value indicates exceedance of NR 140.10 Preventive Action Limit*

For samples collected 11/19/02: *EPTC and Alachlor were detected in lab method blank at 0.031 and 0.064 ug/l respectively*

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL DATA - NITROGEN
Larsen Cooperative, Larsen, WI

Sample ID	Sample Date	Groundwater Elevation	ANALYTICAL PARAMETERS Nitrate + Nitrite (mg/l)	Ammonia (mg/l)
MW-1	5/7/02	98.37	<1.0	<1.0
MW-1	8/28/02	97.17	<1.0	<1.0
MW-1	11/19/02	96.66	<1.0	<1.0
MW-1	2/12/03	94.68	<1.0	<1.0
MW-2	5/7/02	97.86	**14**	4.9
MW-2 Dup.	5/7/02	97.86	**14**	5.2
MW-2	8/28/02	96.59	**12**	11
MW-2	11/19/02	96.03	**37**	21
MW-2	2/12/03	93.52	**15**	13
MW-2 Dup.	2/12/03	93.52	**10**	9
MW-3	5/7/02	98.02	**11**	<1.0
MW-3	8/28/02	96.53	**7.8**	<1.0
MW-3	11/19/02	96.14	**8.5**	<1.0
MW-3 Dup.	11/19/02	96.14	**7.7**	<1.0
MW-3	2/12/03	93.88	**33**	8.2
MW-4	5/7/02	98.51	<1.0	<1.0
MW-4	8/28/02	97.49	<1.0	<1.0
MW-4 Dup.	8/28/02	97.49	<1.0	<1.0
MW-4	11/19/02	97.10	<1.0	<1.0
MW-4	2/12/03	94.64	**7.4**	1.7
NR 140.10 Preventive Action Limit			2	NS
NR 140.10 Enforcement Standard			10	NS

Notes: *NS = No standard established*
Bold *indicates exceedance of NR 140.10 Enforcement Standard*
Bold *value indicates exceedance of NR 140.10 Preventive Action Limit*

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

TP= Investigative Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	TP-1 0-1	TP-1 1-2	TP-1 4-5	TP-1 6-7	TP-2 0-1	TP-2 1-2	TP-2 4-5	TP-2 6-7	TP-3 0-1	TP-3 1-2	TP-3 4-5	TP-4 0-1
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	-	1200	145	-	28	1100	123	-	63	90	-
Nitrate/Nitrite-N	20		-	-	< 160	-	-	23	< 160	-	-	-	-	-
TOTAL NITROGEN			<20	<20	**1200**	145	<20	51	**1100**	123	<20	63	90	<20
PESTICIDES														
EPTC	0.1		3.4	1.5	0.18	NR	1.4	1.5	0.47	NR	0.67	-	NR	0.93
Butylate	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Trifluralin	0.1		-	-	-	NR	-	0.19	-	NR	-	-	NR	-
DEA	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
DIA	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Prometon	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Propazine	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Atrazine	0.1		-	-	-	NR	-	-	-	NR	0.11	-	NR	-
Simazine	0.1		-	-	-	NR	-	-	0.14	NR	-	-	NR	-
Acetochlor	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Dimethenamid	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Alachlor	0.1		0.10	0.11	-	NR	0.42	0.25	-	NR	0.22	-	NR	0.18
Metribuzin	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Metolachlor	0.1		0.22	0.11	-	NR	0.14	0.30	0.11	NR	0.37	-	NR	-
Chlorpyrifos	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
Pendimethalin	0.1		-	-	-	NR	2.0	8.6	-	NR	-	-	NR	-
Cyanazine	0.1		-	-	-	NR	-	-	-	NR	-	-	NR	-
TOTAL PESTICIDES			**3.72**	**1.72**	0.18	NR	**3.96**	**10.84**	0.98	NR	**1.37**	<0.1	NR	**1.11**

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

TP = Investigative Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	TP-4 1-2	TP-4 4-5	TP-5 0-1	TP-5 1-2	TP-5 4-5	TP-6 0-1	TP-6 1-2	TP-6 4-5	TP-6 6-7	TP-7 0-1	TP-7 1-2	TP-7 4-5
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	-	-	-	-	-	1200	990	-	-	-	-
Nitrate/Nitrite-N	20		-	-	-	-	-	-	< 160	< 160	-	-	-	-
TOTAL NITROGEN			<20	<20	<20	<20	<20	<20	**1200**	**990**	<20	<20	<20	<20
PESTICIDES														
EPTC	0.1		1.2	-	0.17	-	NR	0.41	-	NR	NR	NR	NR	NR
Butylate	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Trifluralin	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
DEA	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
DIA	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Prometon	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Propazine	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Atrazine	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Simazine	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Acetochlor	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Dimethenamid	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Alachlor	0.1		-	-	0.22	-	NR	0.14	-	NR	NR	NR	NR	NR
Metribuzin	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Metolachlor	0.1		0.12	-	0.23	-	NR	0.13	-	NR	NR	NR	NR	NR
Chlorpyrifos	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Pendimethalin	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
Cyanazine	0.1		-	-	-	-	NR	-	-	NR	NR	NR	NR	NR
TOTAL PESTICIDES			**1.32**	<0.1	0.62	<0.1	NR	0.68	<0.1	NR	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

TP= Investigative Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	TP-8 0-1	TP-8 1-2	TP-8 4-5	TP-8 6-7	TP-9 0-1	TP-9 1-2	TP-9 4-5	TP-10 0-1	TP-10 1-2	TP-10 4-5	TP-11 0-1	TP-11 1-2
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	-	500	-	-	130	65	-	80	-	-	-
Nitrate/Nitrite-N	20		-	-	-	-	-	-	-	-	375	62	-	-
TOTAL NITROGEN			<20	<20	**500**	<20	<20	130	65	<20	**455**	62	<20	<20
PESTICIDES														
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

TP = Investigative Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	TP-11 4-5	TP-12 0-1	TP-12 1-2	TP-12 4-5	TP-13 0-1	TP-13 1-2	TP-13 4-5	TP-14 0-1	TP-14 1-2	TP-14 4-5	TP-15 0-1	TP-15 1-2
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	-	66	-	-	-	28	-	28	-	-	-
Nitrate/Nitrite-N	20		-	-	110	28	-	-	38	-	-	-	-	-
TOTAL NITROGEN			<20	<20	**176**	28	<20	<20	66	<20	28	<20	<20	<20
PESTICIDES														
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	0.71	-
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	0.36	-
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	0.26	-
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	3.8	-
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	0.16	-
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	-	-
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	6.7	-
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	-	-	NR	0.15	-
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	<0.1	<0.1	NR	**12.14**	<0.1

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

TP = Investigative Sample
HA = Investigative Sample
EX = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	TP-15 4-5	EX-29/ HA-1 2	EX-30/ HA-2 2	EX-31/ HA-3 2	EX-32/ HA-3 2.5-3	HA-4 2.5-3	HA-5 2.5	HA-6 2	HA-7 2	HA-8 2	HA-9 2	EX-1 1-2
EXTRACTABLE NITROGEN														
Ammonia-N	20		33	140	2600	-	3400	320	790	-	-	-	-	-
Nitrate/Nitrite-N	20		-	93	680	-	< 200	360	< 160	-	-	83	58	-
TOTAL NITROGEN			33	**233**	**3280**	<20	**3400**	**680**	**790**	<20	<20	83	58	<20
PESTICIDES														
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

EX = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-2 1-2	EX-3 1-2	EX-4 1-2	EX-5 3.5	EX-6 1-2	EX-7 1-2	EX-8 1-2	EX-9 1-2	EX-10 3.5	EX-11 3-4	EX-12 3-4	EX-13 3-4
EXTRACTABLE NITROGEN														
Ammonia-N	20		480	-	-	-	33	-	34	-	-	-	24	21
Nitrate/Nitrite-N	20		66	61	-	140	-	-	120	-	83	99	-	26
TOTAL NITROGEN			**546**	61	<20	140	33	<20	**154**	<20	83	99	24	47
PESTICIDES														
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

EX = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-14 3-4	EX-15 1-2	EX-16 2-3	EX-17 3.5	EX-18 5.5	EX-19 1-2	EX-20 1-2	EX-21 1-2	EX-22 0-1	EX-23 0-1	EX-24 0-1	EX-25 0-1
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	27	-	78	-	-	4500	20	-	-	-	-
Nitrate/Nitrite-N	20		-	-	-	-	-	-	< 400	66	-	-	-	-
TOTAL NITROGEN			<20	27	<20	78	<20	<20	**4500**	86	<20	<20	<20	<20
PESTICIDES														
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	0.14	-	-
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	-	-	-	-
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	NR	<0.1	0.14	<0.1	<0.1

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

EX = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-26 1	EX-27 1-2	EX-28 1-2	EX-33 3	EX-34 3	EX-35 3	EX-36 5.5	EX-37 1-2	EX-38 1-2	EX-39 3.5	EX-40 1-2	EX-41 4-5
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	5400	2100	73	140	-	-	20	-	23	65	850
Nitrate/Nitrite-N	20		-	< 800	< 400	-	-	-	-	-	-	-	-	< 80
TOTAL NITROGEN			<20	**5400**	**2100**	73	140	<20	<20	20	<20	23	65	**850**
PESTICIDES														
EPTC	0.1		0.11	NR	NR	NR	NR	NR	NR	1.1	0.56	0.27	4.0	0.88
Butylate	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	0.17	-
Trifluralin	0.1		-	NR	NR	NR	NR	NR	NR	-	0.10	-	0.11	-
DEA	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
DIA	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Prometon	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Propazine	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Atrazine	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	0.14	-
Simazine	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Acetochlor	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Dimethenamid	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Alachlor	0.1		-	NR	NR	NR	NR	NR	NR	-	0.28	-	0.20	-
Metribuzin	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Metolachlor	0.1		-	NR	NR	NR	NR	NR	NR	-	0.15	-	0.28	-
Chlorpyrifos	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
Pendimethalin	0.1		-	NR	NR	NR	NR	NR	NR	-	0.88	-	-	-
Cyanazine	0.1		-	NR	NR	NR	NR	NR	NR	-	-	-	-	-
TOTAL PESTICIDES			0.11	NR	NR	NR	NR	NR	NR	**1.1**	**1.97**	0.27	**4.9**	0.88

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

EX = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-42 1-2	EX-43 4-5	EX-44 2	EX-45 2	EX-46 2	EX-47 4	EX-48 6	EX-49 2	EX-50 1-2	EX-51 4	EX-52 2	EX-53 4
EXTRACTABLE NITROGEN														
Ammonia-N	20		250	31	34	-	230	180	110	86	-	75	410	220
Nitrate/Nitrite-N	20		-	-	-	-	-	-	-	-	-	-	-	-
TOTAL NITROGEN			**250**	31	34	<20	**230**	**180**	110	86	<20	75	**410**	**220**
PESTICIDES														
EPTC	0.1		0.88	0.33	0.11	0.36	0.42	0.29	0.19	1.4	-	-	0.91	0.26
Butylate	0.1		-	-	-	0.43	-	-	-	-	-	-	-	-
Trifluralin	0.1		-	-	-	-	-	-	-	-	-	-	-	-
DEA	0.1		-	-	-	-	-	-	-	-	-	-	-	-
DIA	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Prometon	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Propazine	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Atrazine	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Simazine	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Acetochlor	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Dimethenamid	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Alachlor	0.1		-	-	-	0.19	-	-	-	0.11	-	-	-	-
Metribuzin	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Metolachlor	0.1		-	-	-	0.15	-	-	-	0.11	-	-	-	-
Chlorpyrifos	0.1		-	-	-	-	-	-	-	-	-	-	-	-
Pendimethalin	0.1		-	-	0.37	0.18	-	-	-	1.0	-	-	-	-
Cyanazine	0.1		-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PESTICIDES			0.88	0.33	0.48	**10.12**	0.42	0.29	0.19	**2.62**	<0.1	<0.1	0.91	0.26

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

EX = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-54 6	EX-55 2	EX-56 4	EX-57 2	EX-58 2	EX-59 2	EX-60 2	EX-61 2	EX-62 5	EX-63 2	EX-64 2	EX-65 7.5
EXTRACTABLE NITROGEN														
Ammonia-N	20		190	150	21	110	38	32	NR	NR	-	400	-	490
Nitrate/Nitrite-N	20		-	-	-	-	-	-	NR	NR	-	-	-	-
TOTAL NITROGEN			**190**	150	21	110	38	32			<20	**400**	<20	490
PESTICIDES														
EPTC	0.1		0.15	-	0.18	-	0.16	0.44	0.41	0.10	NR	NR	NR	NR
Butylate	0.1		-	-	-	-	-	-	-	0.64	NR	NR	NR	NR
Trifluralin	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
DEA	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
DIA	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Prometon	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Propazine	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Atrazine	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Simazine	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Acetochlor	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Dimethenamid	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Alachlor	0.1		-	-	-	-	-	0.37	0.14	0.17	NR	NR	NR	NR
Metribuzin	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Metolachlor	0.1		-	-	-	-	0.10	0.5	0.11	-	NR	NR	NR	NR
Chlorpyrifos	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
Pendimethalin	0.1		-	-	-	-	0.29	0.14	-	-	NR	NR	NR	NR
Cyanazine	0.1		-	-	-	-	-	-	-	-	NR	NR	NR	NR
TOTAL PESTICIDES			0.15	<0.1	0.18	<0.1	0.55	**1.45**	0.66	0.91	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

Ex = Remediation Sample

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-66 0-1	EX-67 0-1	EX-68 1.5	EX-69 10	EX-70 2	EX-71 4-5	EX-72 4-5	EX-73 2	EX-74 1-2	EX-75 1-2	EX-76 36527	EX-77 2
EXTRACTABLE NITROGEN														
Ammonia-N	20		NR	NR	38	450	1300	620	120	520	-	320	54	-
Nitrate/Nitrite-N	20		NR	NR	-	-	< 80	-	-	-	-	-	-	-
TOTAL NITROGEN					38	**450**	**1300**	**620**	120	**520**	<20	**320**	54	<20
PESTICIDES														
EPTC	0.1		-	-	0.18	NR	NR	NR	0.40	1.5	-	-	-	NR
Butylate	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Trifluralin	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
DEA	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
DIA	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Prometon	0.1		-	-	-	NR	NR	NR	-	-	0.19	-	-	NR
Propazine	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Atrazine	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Simazine	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Acetochlor	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Dimethenamid	0.1		0.48	-	-	NR	NR	NR	-	-	-	-	-	NR
Alachlor	0.1		0.10	-	-	NR	NR	NR	-	-	-	-	-	NR
Metribuzin	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Metolachlor	0.1		0.15	-	-	NR	NR	NR	-	0.17	-	-	-	NR
Chlorpyrifos	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
Pendimethalin	0.1		0.46	-	0.10	NR	NR	NR	-	-	-	-	-	NR
Cyanazine	0.1		-	-	-	NR	NR	NR	-	-	-	-	-	NR
TOTAL PESTICIDES			**1.19**	<0.1	0.28	NR	NR	NR	0.4	**1.67**	0.19	<0.1	<0.1	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

Remediation Samples

	Reporting Limit mg/kg	Sample ID Depth (ft)	EX-78 2	EX-79 2	EX-80 3	EX-81 2	1A 5	2A 3	3A 3	4A 3	5A 2.5	6A 6	7A 3	8A 3
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	270	39	-	4800	2800	57	1600	-	1900	110	630
Nitrate/Nitrite-N	20		-	-	-	-	< 160	< 80	470	< 80	-	< 200	430	350
TOTAL NITROGEN			<20	**270**	39	<20	**4800**	**2800**	**527**	**1600**	<20	**1900**	**540**	**980**
PESTICIDES														
EPTC	0.1		2.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylate	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trifluralin	0.1		0.18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEA	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DIA	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Prometon	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Propazine	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Simazine	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetochlor	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dimethenamid	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Alachlor	0.1		0.30	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metribuzin	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metolachlor	0.1		0.64	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chlorpyrifos	0.1		-	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pendimethalin	0.1		0.51	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyanazine	0.1		0.10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
TOTAL PESTICIDES			**4.33**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

Remediation Samples

	Reporting Limit mg/kg	Sample ID Depth (ft)	9A 3	10A 3	11A 3	12A 3	13A 4.5	14A 4	15A 4	16A 2-3	17A 2-3	18A 2-3	19A 2-3	20A 3
EXTRACTABLE NITROGEN														
Ammonia-N	20		-	260	820	-	250	210	-	-	-	-	-	-
Nitrate/Nitrite-N	20		160	86	140	150	530	360	42	70	24	160	-	130
TOTAL NITROGEN			**160**	**346**	**960**	150	**780**	**570**	42	70	24	**160**	<20	130
PESTICIDES														
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Larsen Co-op
Larsen, WI
Lab Sample Results

Remediation Samples

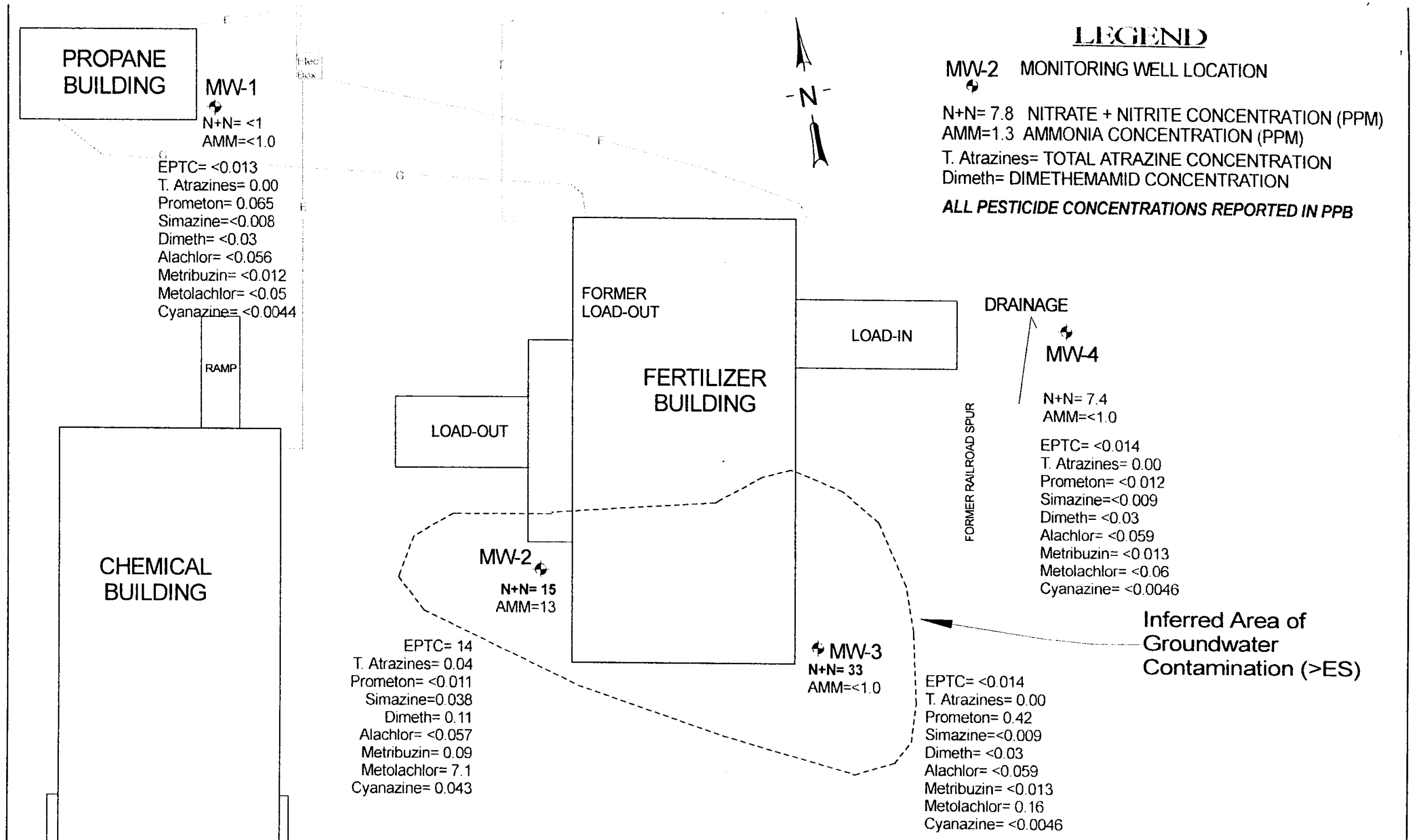
	Reporting Limit mg/kg	Sample ID Depth (ft)	21A 3	22A 6	23A 3	24A 3	25A 5	26A 5	27A 8	28A 8	29A 9.5	TP-1 water mg/L
EXTRACTABLE NITROGEN												
Ammonia-N	20		-	-	-	-	460	-	100	-	-	62
Nitrate/Nitrite-N	20		150	280	130	89	620	55	-	180	-	< 8
TOTAL NITROGEN			150	**280**	130	89	**1080**	55	100	**180**	<20	62
PESTICIDES												ug/L
EPTC	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	140
Butylate	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Trifluralin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
DEA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
DIA	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Prometon	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	3.0
Propazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Atrazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	**8.1**
Simazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	3.7
Acetochlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Dimethenamid	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Alachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	**14**
Metribuzin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Metolachlor	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	**19**
Chlorpyrifos	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Pendimethalin	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	-
Cyanazine	0.1		NR	NR	NR	NR	NR	NR	NR	NR	NR	**3.4**
TOTAL PESTICIDES			NR	NR	NR	NR	NR	NR	NR	NR	NR	

- = Less Than Reporting Limit
NR = Analysis not requested
BOLD exceeds cleanup goal
Cleanup Goal = 150 ppm total nitrogen
Cleanup Goal = 1 ppm total pesticides

TABLE 4
Anhydrous Ammonia Excavation Soil Sample Data
Larsen Cooperative, Larsen, WI

		Analytical Parameter		
Sample ID	Sample Depth	Ammonia-N	Nitrate/Nitrite-N	**Total Nitrogen**
	units	mg/kg	mg/kg	mg/kg
30A	4'	<31	120	120
31A	8'	150	<32	150
32A	8'	99	73	**172**
33A	6'	770	<310	**770**
34A	6'	660	<310	**660**
CLEANUP GOAL				**150**

Notes: ***BOLD*** *indicates exceedance of cleanup goal*



TITLE: GROUNDWATER ANALYTICAL RESULTS FEBRUARY 12, 2003

SITE: Larsen Cooperative, Larsen, WI

SCALE: 1"=30' | ATS PROJECT NUMBER: LAR-9901 | DATE: 8/20/02 | DWG #... newsitemap.skf

REV.	DATE:	DESCRIPTION:	APPVD.:

ALPHA TERRA SCIENCE

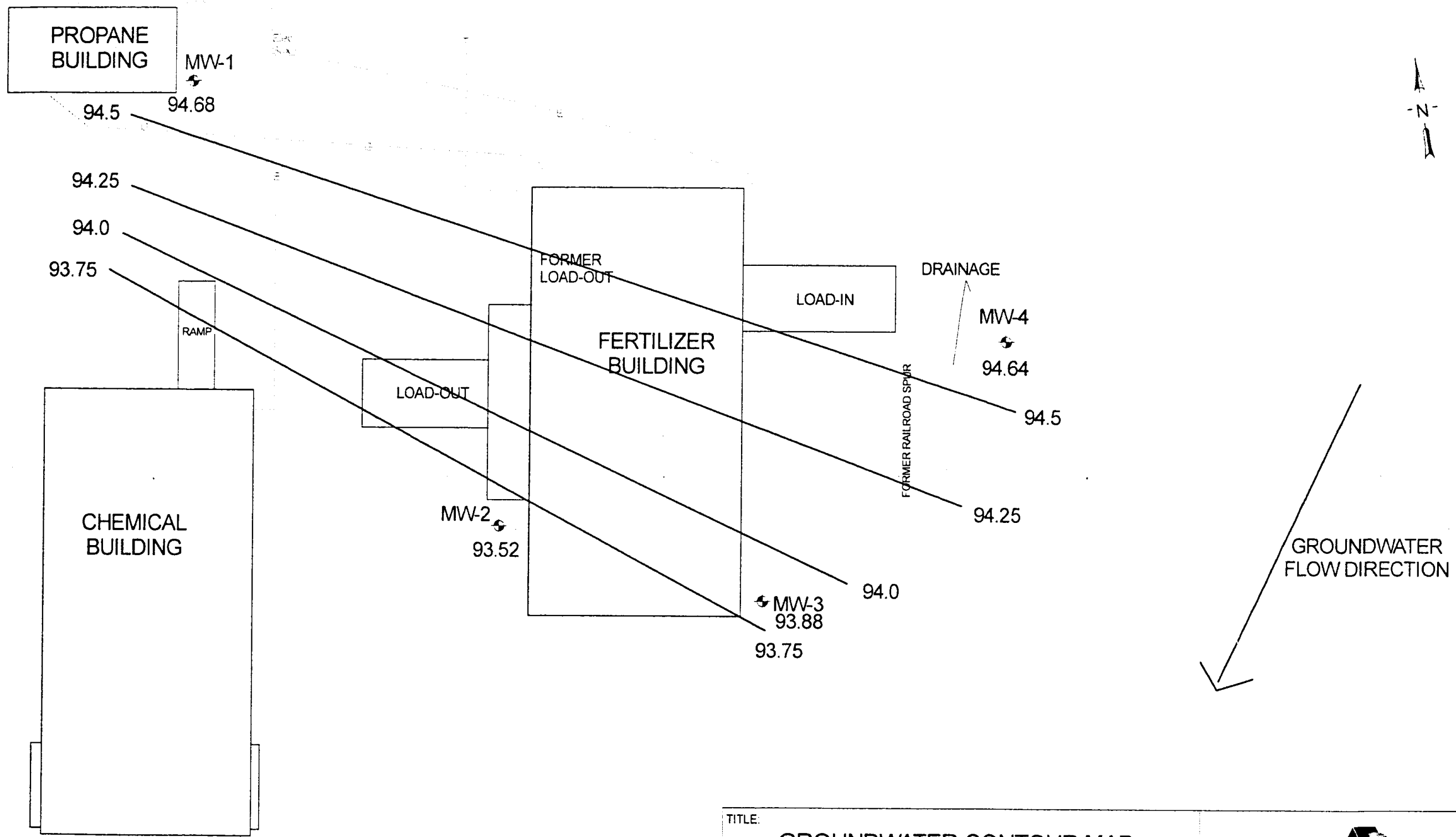
FIGURE 14

TABLE 1
WATER LEVEL DATA
Larsen Cooperative, Larsen, WI

Well Identification	MW-1	MW-2	MW-3	MW-4
Top of Casing Elevation	103.29	102.73	102.84	100.36
Ground Surface Elevation	101.20	99.92	101.01	100.63

	MW-1			MW-2		
Date	Depth to Water from Casing Top	Depth to Water from Ground	Static Water Level	Depth to Water from Casing Top	Depth to Water from Ground	Static Water Level
4/16/02	6.95	4.86	96.34	4.69	1.88	98.04
5/7/02	4.92	2.83	98.37	4.87	2.06	97.86
8/28/02	6.12	4.03	97.17	6.14	3.33	96.59
11/19/02	6.63	4.54	96.66	6.70	3.89	96.03
2/12/03	8.61	6.52	94.68	9.21	6.40	93.52

	MW-3			MW-4		
Date	Depth to Water from Casing Top	Depth to Water from Ground	Static Water Level	Depth to Water from Casing Top	Depth to Water from Ground	Static Water Level
4/16/02	4.64	2.81	98.20	1.71	1.98	98.65
5/7/02	4.82	2.99	98.02	1.85	2.12	98.51
8/28/02	6.31	4.48	96.53	2.87	3.14	97.49
11/19/02	6.70	4.87	96.14	3.26	3.53	97.10
2/12/03	8.96	7.13	93.88	5.72	5.99	94.64



LEGEND

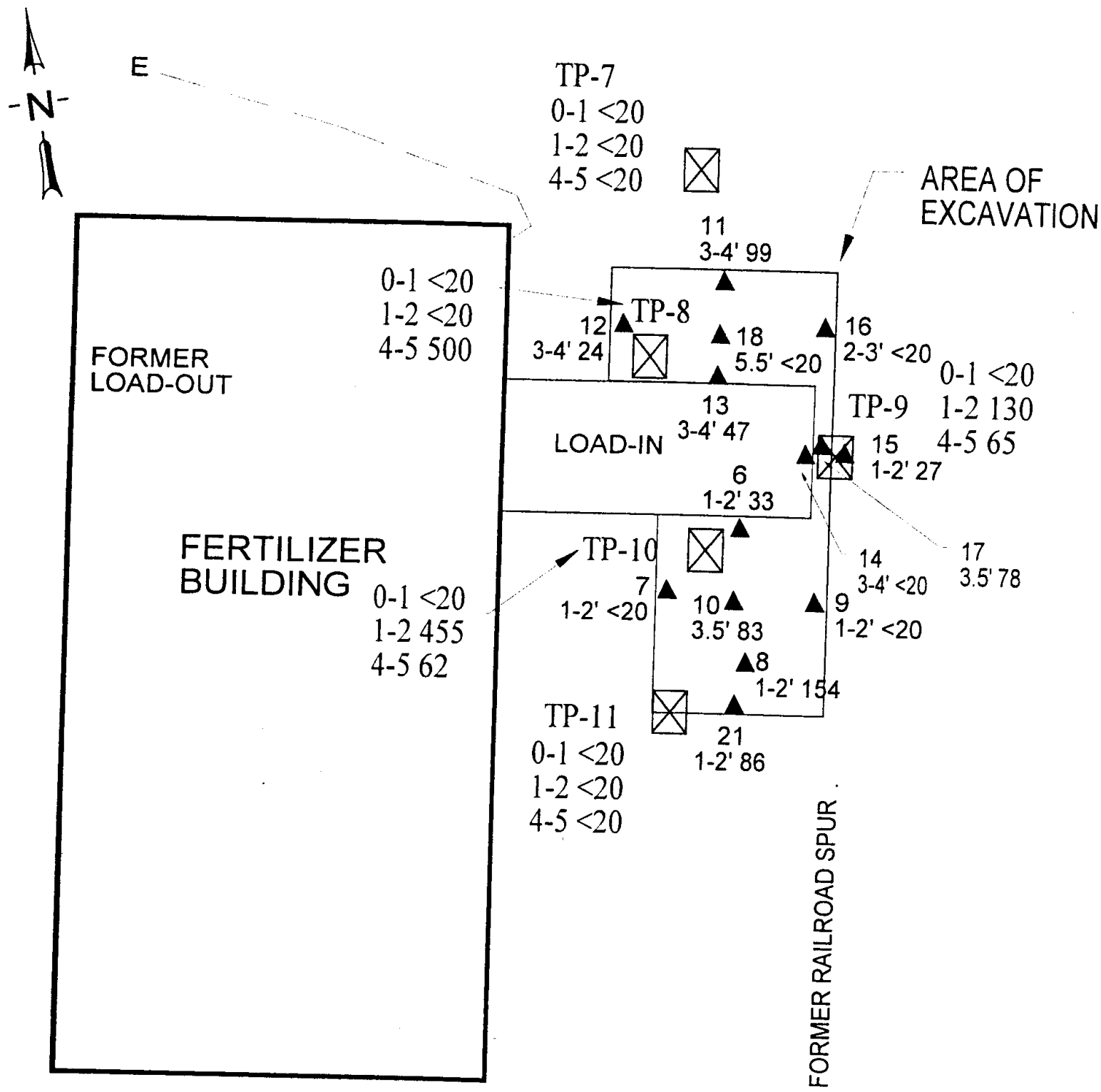
MW-2 MONITORING WELL LOCATION

96.59 GROUNDWATER ELEVATION

15 10 5 0 15 30

SCALE = 1"=30'

TITLE: GROUNDWATER CONTOUR MAP FEBRUARY 12, 2003			ALPHA TERRA SCIENCE
SITE: Larsen Cooperative, Larsen, WI			
SCALE: see scale bar	ATS PROJECT NUMBER: LAR-9901	DATE: 8/20/02	DWG #... newsitemap.skf
REV: DATE:	DESCRIPTION:	APPVD.: DRAWN BY: AH	FIGURE 8



LEGEND

TP-14 ☒ TEST PIT LOCATION

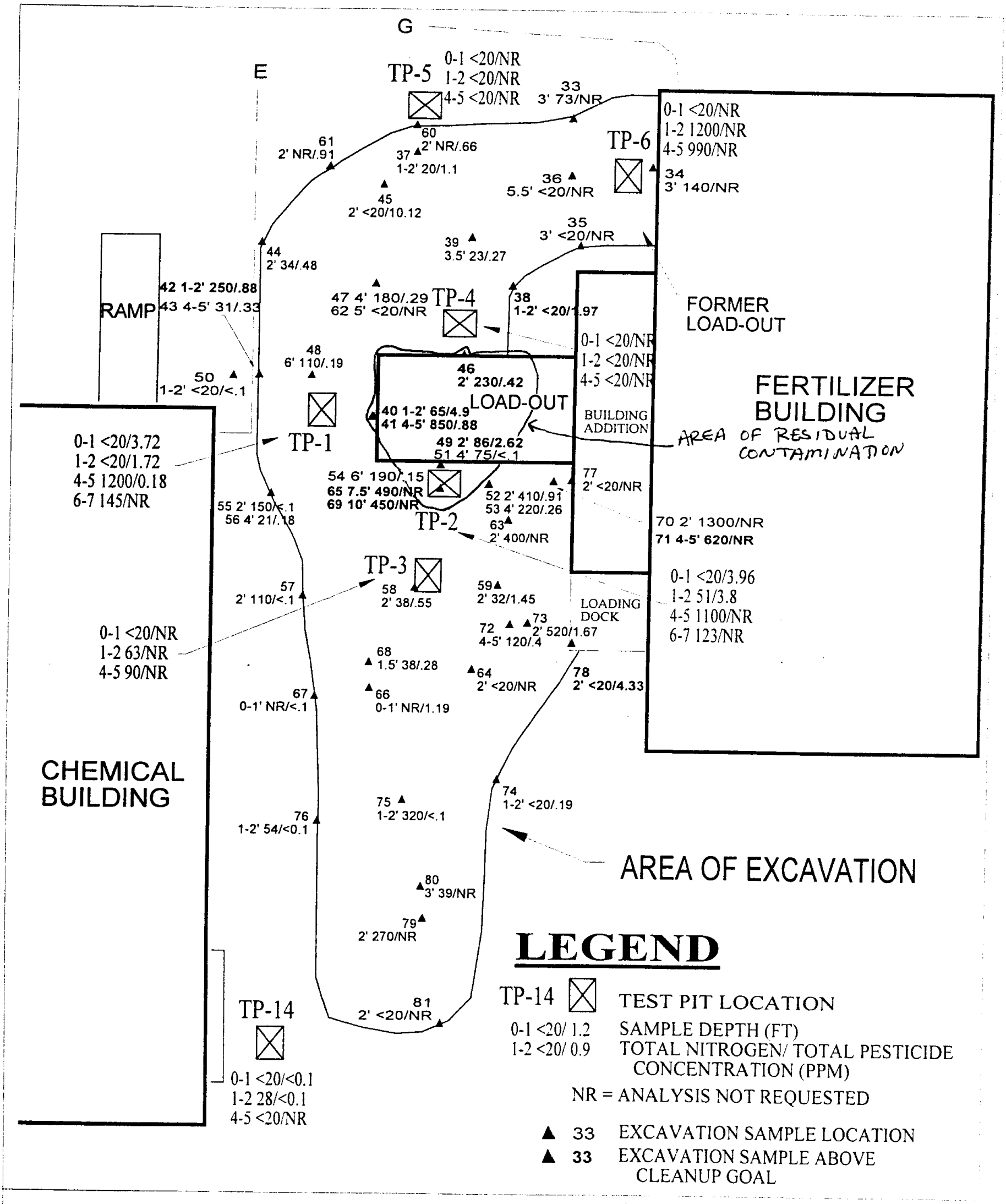
0-1 <20
1-2 <20 SAMPLE DEPTH (FT) & TOTAL NITROGEN CONCENTRATION (PPM)

▲ EXCAVATION SAMPLE LOCATION

— E — UNDERGROUND ELECTRIC LINE

NO RESIDUAL CONTAMINATION

Title: **Area of Excavation Fertilizer Load-in**	ALPHA TERRA SCIENCE
Project: Larsen Coop ACCP	SCALE: 1' = 20'
Client: Larsen Cooperative Company	DRAWN BY: AH
	DWG NO: Figure 3
	DATE: 11/27/00



Title: **Area of Excavation**
Fertilizer Load-out, Impregnation Area

Project: Larsen Coop ACCP

Client: Larsen Cooperative Company

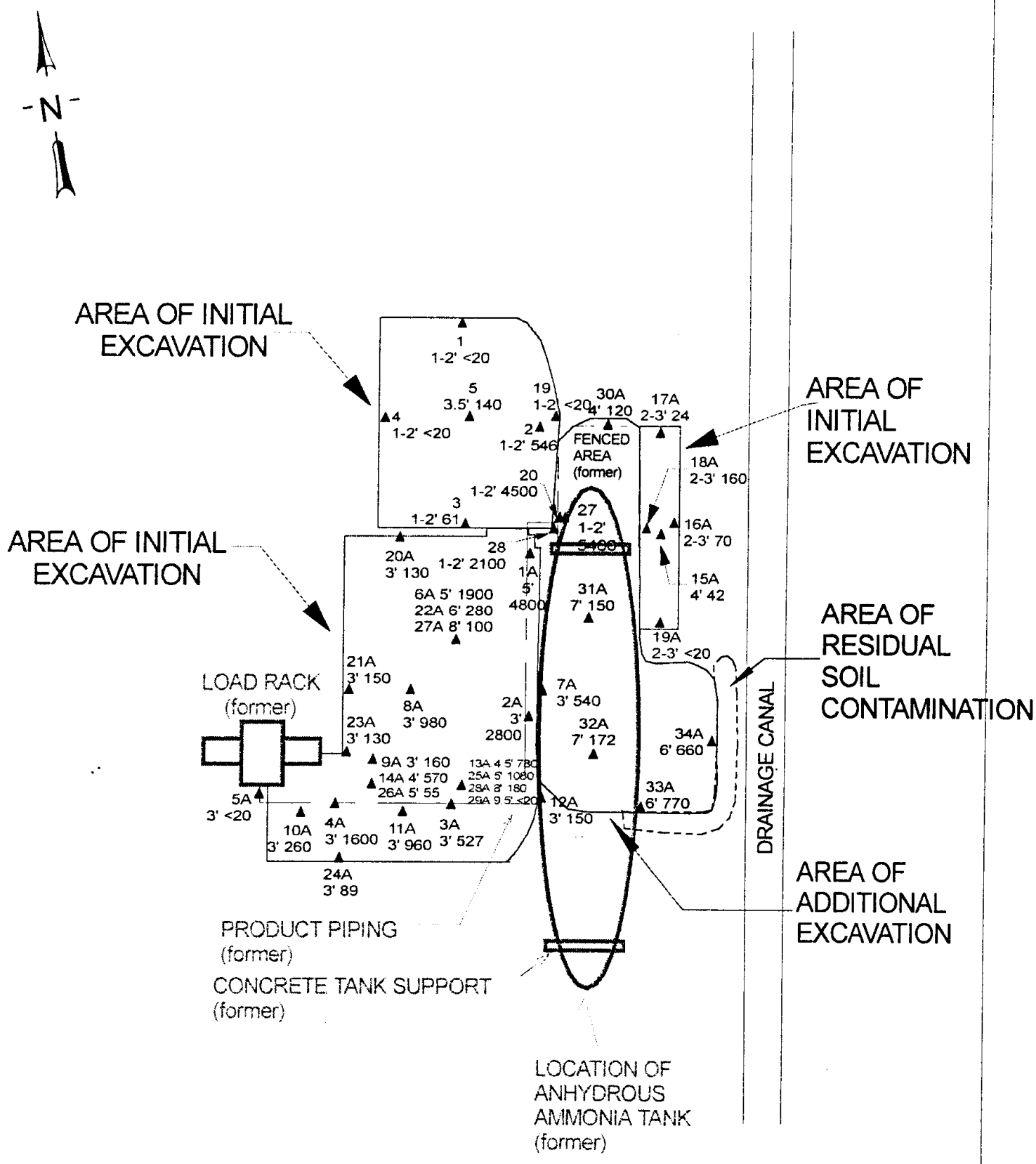
ALPHA TERRA
SCIENCE

SCALE: 1"=20'

DWG NO: Figure 4

DRAWN BY: AH

DATE: 11/28/00



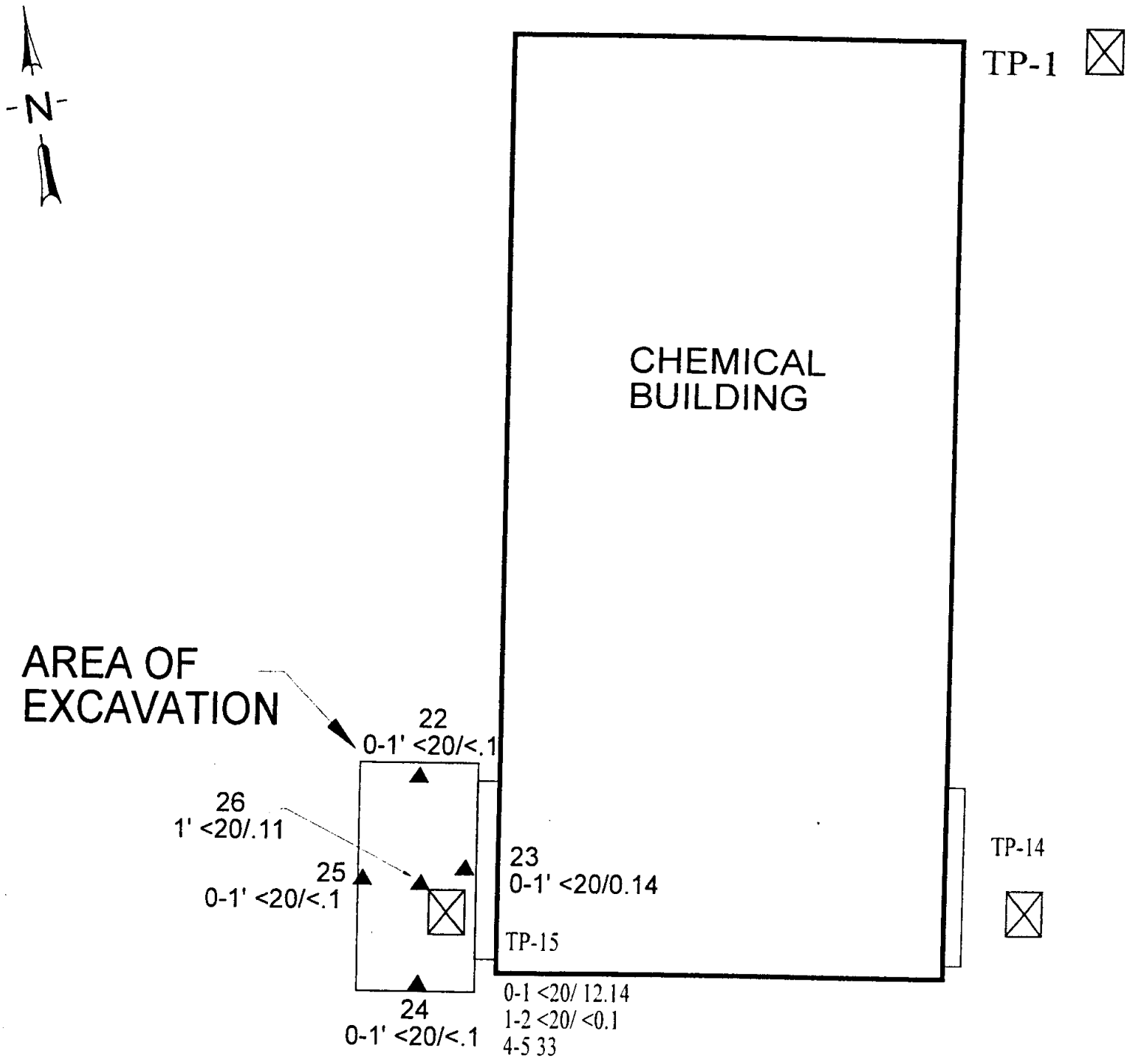
LEGEND

▲ EXCAVATION SAMPLE LOCATION
8A TOTAL NITROGEN CONCENTRATION (ppm)

Title:	INVESTIGATION & REMEDIATION AT FORMER ANHYDROUS AMMONIA TANK
Project:	Larsen Coop ACCP
Client:	Larsen Cooperative Company

ALPHA TERRA SCIENCE

SCALE: 1" = 20'	DWG NO: FIGURE 6
DRAWN BY: AH	DATE: 4/2/02



LEGEND

TP-14 ☒ TEST PIT LOCATION

0-1 <20/ 1.2
1-2 <20/ 0.9
SAMPLE DEPTH (FT)
TOTAL NITROGEN/ TOTAL PESTICIDE CONC. (PPM)

22 ▲ EXCAVATION SAMPLE LOCATION

NO RESIDUAL CONTAMINATION

Title: **Area of Excavation Chemical Building Load Area**	ALPHA TERRA SCIENCE
Project: Larsen Coop ACCP	SCALE: 1"=20' DWG NO: Figure 5
Client: Larsen Cooperative Company	DRAWN BY: AH DATE: 11/27/00

Larsen Cooperative Company
P.O. Box 37 • Larsen, WI 54947
"Progress for Rural America"

Amy - Parcel A ID # is 006 54405.

Please forward completed documents to me when they are ready.

Thanks!

Legal description has not changed.

Serving Northeast Wisconsin
Larsen • 920-836-2113
Readfield • 920-667-4955 • Manawa • 920-596-2581
New London • 920-982-7222 • Weyauwega • 920-867-8700

Document Number | DEED RESTRICTION

1294685

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

01/13/2004 10:21AM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE 17.00
TRANSFER FEE
OF PAGES 4

Declaration of Restrictions

In Re: "Parcel A" -A part of the Northwest Quarter (NW1/4) of the Southwest Quarter (SW1/4) of Section Twenty (20), Township Twenty (20) North, Range Sixteen (16) East, Town of Clayton, Winnebago County, Wisconsin containing 4.991 Acres of land and being described by: Commencing at the West Quarter (W1/4) corner of said Section 20, thence S00°-11'-58"E 300.00 feet along the West line of the NW1/4 of the SW1/4 of said Section 20 to the true point of beginning, thence continuing S00°-11'-58"E 1008.83 feet along the West line of the NW1/4 of the SW1/4 of said Section 20, thence N87°-56'-10"E 70.63 feet along the South line of the NW1/4 of the SW1/4 of said Section 20 to a point on the Westerly right-of-way line of the abandoned Chicago and Northwestern Railroad Company, thence N12°-10'-09"E 1296.59 feet along said right-of-way line to a point on the centerline of C.T.H. "T", thence N72°-24'-51'W 74.13 feet along the centerline of C.T.H. "T", thence S12O-10'-09"W 178.05 feet, thence S87°-43'-20"W 149.76 feet parallel with the North line of the NW1/4 of the SW/1/4 of said Section 20, thence S00°-11'-58"E 100.00 feet parallel with the West line of the NW1/4 of the SW1/4 of said Section 20, thence S87°-43'-20" 90.00 feet parallel with the North line of the NW1/4 of the SW1/4 of said Section 20 to the true point of beginning.

The afore described being the same lands as described in Volume 1150 Page 173, Volume 1151 Page 13, Volume 833 Page 583 and Volume 480 Page 481 of deeds.

STATE OF WISCONSIN)
) ss
COUNTY OF WINNEBAGO)

WHEREAS, Larsen Cooperative Company is the owner of the above-described property.

Name & Return Address
LeRoy Peterson
Larsen Cooperative Company
P. O. Box 37
Larsen, WI 54947

006-54405
Parcel Identification Number (PIN)

Whereas, one or more fertilizer and pesticide discharges have occurred at this property. Fertilizer contamination, in the form of nitrate/nitrite contaminated groundwater above NR 140 enforcement standards exists on this property at the following location(s): The nitrate/nitrite concentration in groundwater from monitoring well #2 is 15 ppm, and the concentration in groundwater from monitoring well MW-3 was 33 ppm (see Figure 1 for monitoring well locations). Soil contamination exists at the following locations: One isolated area of ammonia contamination (250 ppm at depth of 1-2') remains adjacent to the electric line leading from the chemical building (sample location 42 on attached Figure 2). Contamination remains on all sides of the load-out pad (samples #40, 41, 46 and 49 on attached Figure 2) where the maximum total pesticide concentration = 4.9 ppm, and the maximum ammonia concentration = 850 ppm. In the area south of the load-out pad and adjacent to the fertilizer building, ammonia contamination = 620 ppm remains at a depth of 4-5 feet (sample location 71 on attached Figure 2) and total pesticides remain at a concentration of 4.33 ppm at depth of two feet (sample location 78 on attached Figure 2).

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

One or more fertilizer and pesticide discharges have occurred at this property. Structural impediments existing at the time of clean-up made complete remediation of the soil contamination impracticable. Fertilizer and pesticide-contaminated soil may remain on this property at the following locations: Underneath the fertilizer load-out pad, adjacent to and possibly underneath the fertilizer building to the south of the load-out pad, and adjacent to the electrical line leading north from the chemical building.. If the structural impediments which currently exist on this property are removed, the property owner shall conduct an investigation of the degree and extent of fertilizer and pesticide contamination. To the extent that contamination is found at that time, the Wisconsin Department of Agriculture, Trade and Consumer Protection shall be immediately notified and the contamination shall be properly treated or disposed of in accordance with applicable laws.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Agriculture, Trade and Consumer Protection, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Agriculture, Trade and Consumer Protection or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Agriculture, Trade and Consumer Protection shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 12 day of January, 2004.

Signature: _____

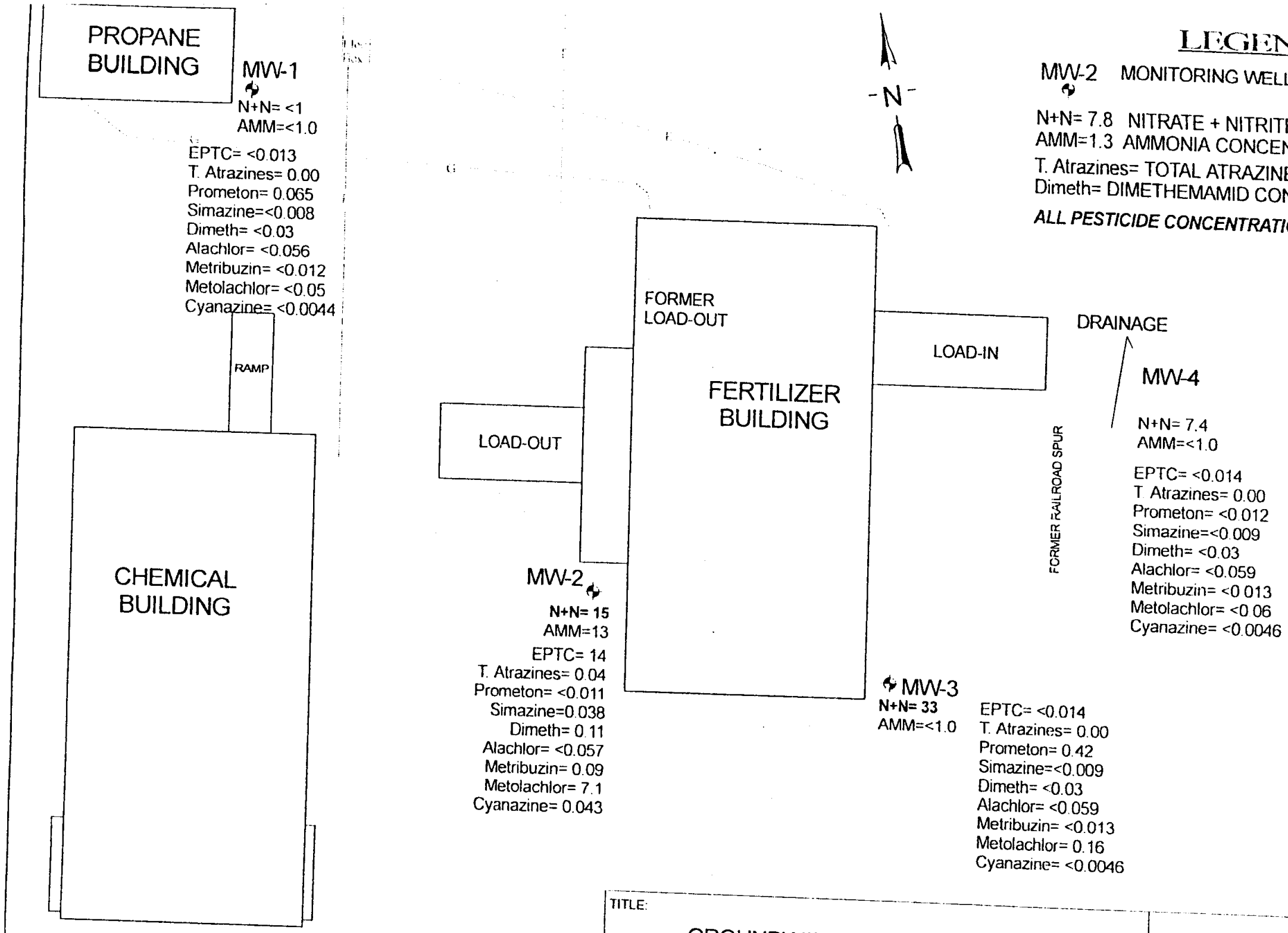
Printed Name: LeRoy K. Peterson

Subscribed and sworn to before me
this 12 day of January, 2004.

_____
Notary Public, State of Wisconsin
My commission March 14, 2004

TIMOTHY R. WENZEL ★ NOTARY PUBLIC ★ STATE OF WISCONSIN

Document prepared by Amy Haak, Alpha Terra Science



TITLE:

GROUNDWATER ANALYTICAL RESULTS
FEBRUARY 12, 2003

SITE: Larsen Cooperative, Larsen, WI

SCALE: 1"=30'

ATS PROJECT NUMBER. LAR-9901

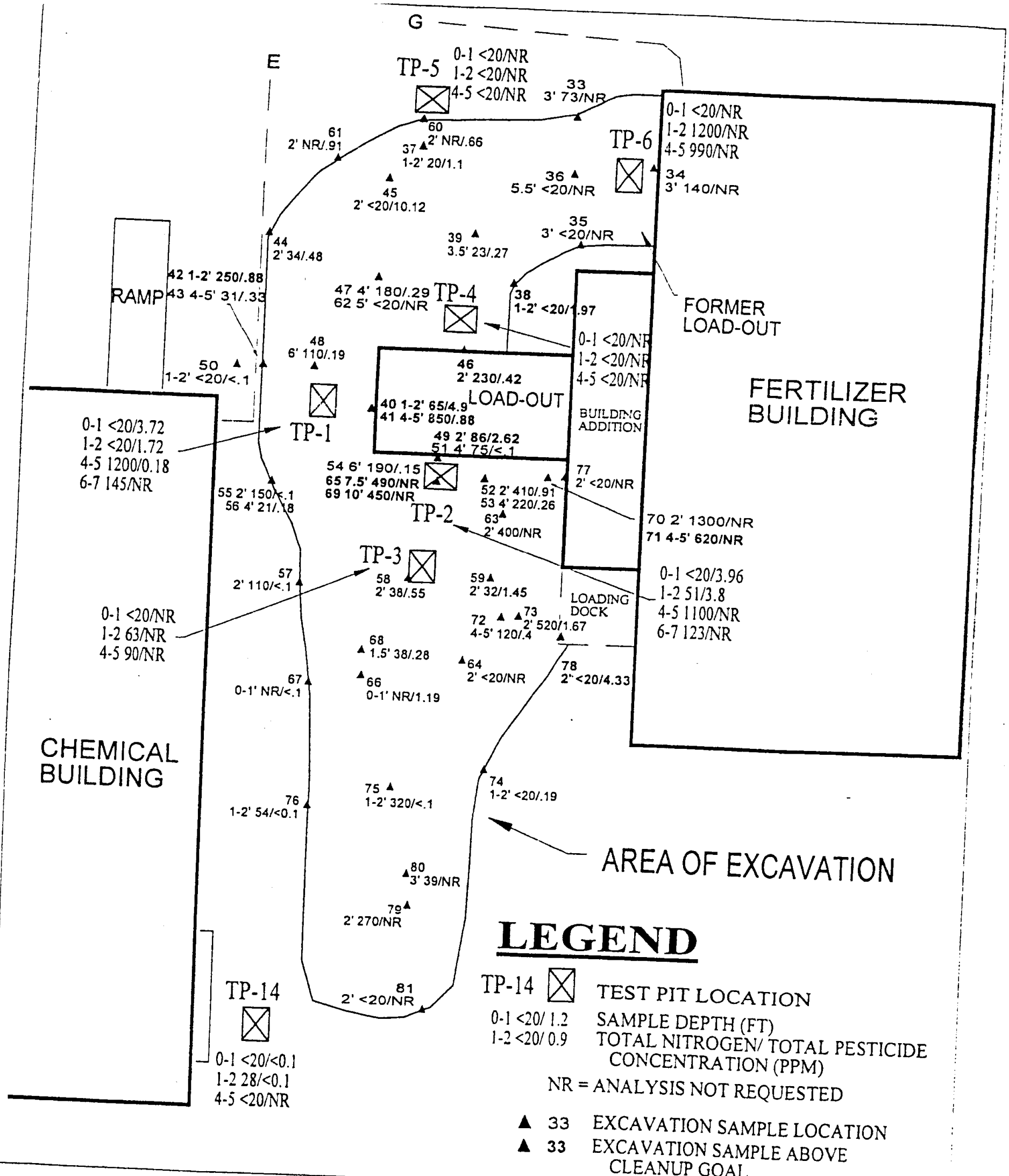
REV.	DATE:	DESCRIPTION:	APPVD.

ALPHA TERRA SCIENCE

DATE. 8/20/02

DWG #... newsitemap skf

FIGURE 1



Title: **Area of Excavation**
Fertilizer Load-out, Impregnation Area

Project: Larsen Coop ACCP

Client: Larsen Cooperative Company

ALPHA TERRA
SCIENCE

SCALE: 1"=20'	DWG NO: Figure 2
DRAWN BY: AH	DATE: 11/28/00