Scrap Processing Map

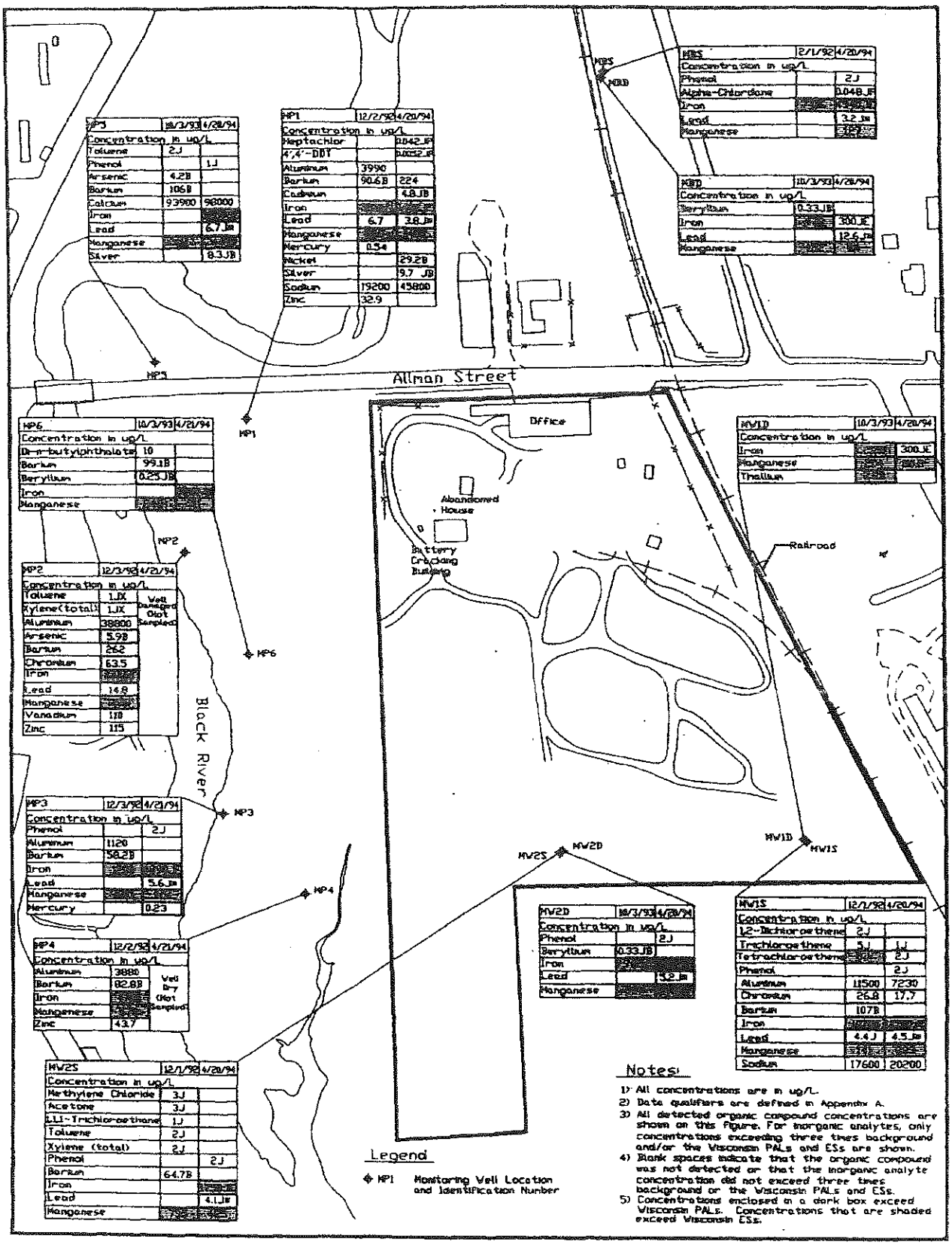
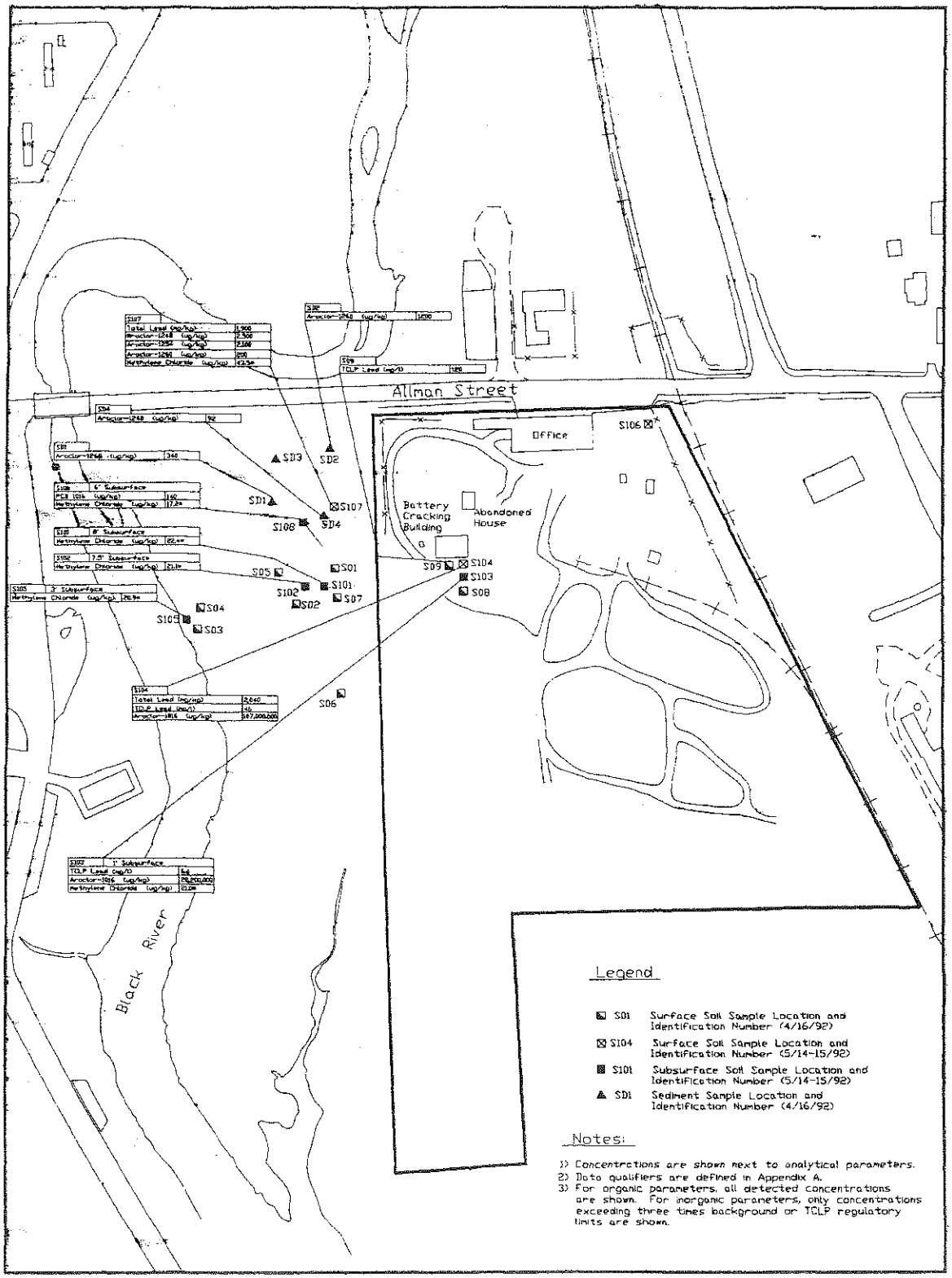


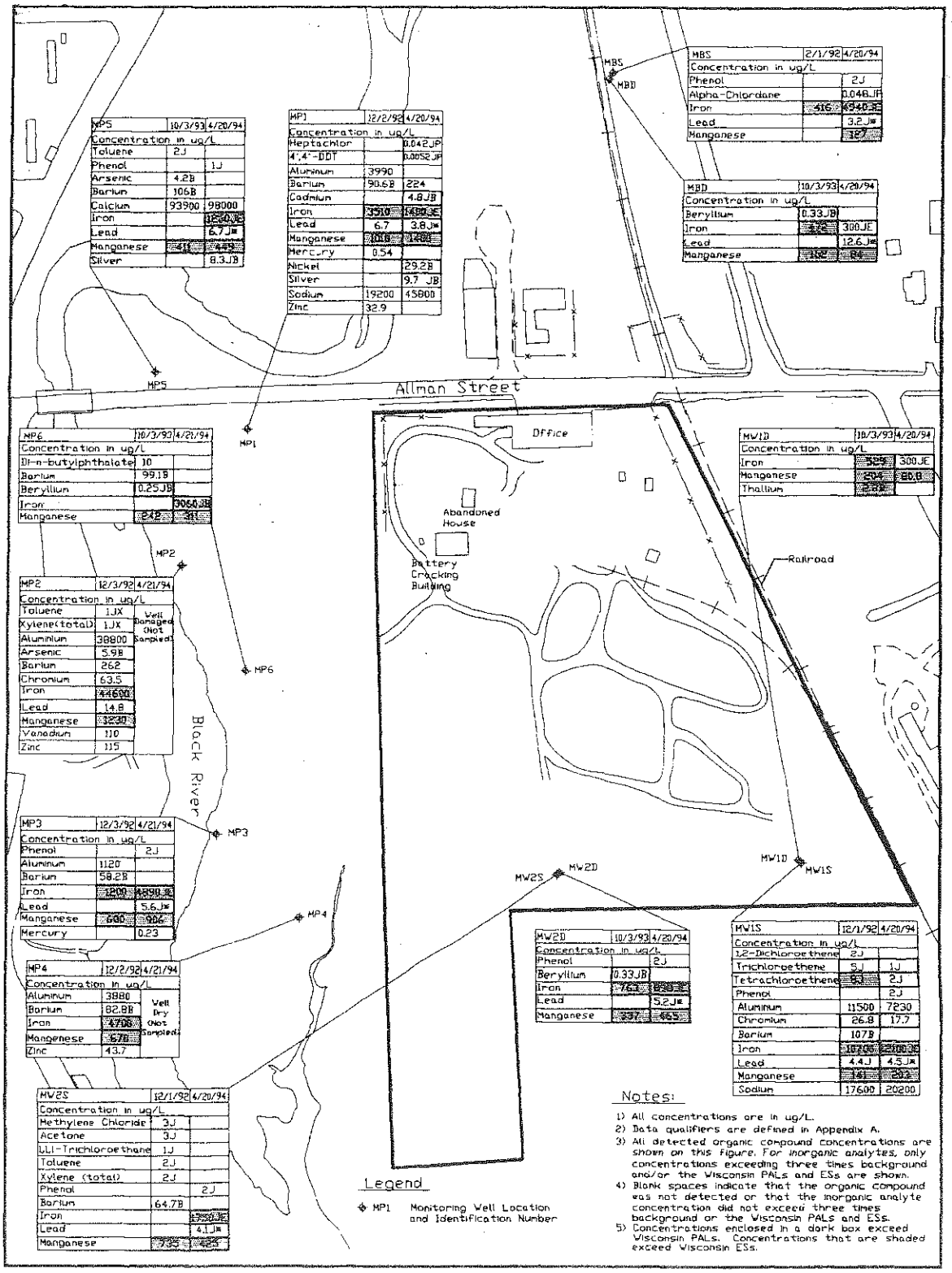
Figure 9 - Monitoring Wells Location and Sample Results Map



Scale in Feet

0 100 200 300 400 500

Figure 2-14
Analytical Results Summary of
Extent-of-Contamination Study Samples
Scrap Processing, Medford, WI



MP5	10/3/93	4/20/94
Concentration in ug/L		
Toluene	2J	
Phenol		1J
Arsenic	4.2B	
Barium	106B	
Calcium	93900	98000
Iron		12600JE
Lead		6.7J*
Manganese	411	425
Silver		8.3JB

MP1	12/2/92	4/20/94
Concentration in ug/L		
Heptachlor		0.042JP
4,4'-DDT		0.0052JP
Aluminum	3990	
Barium	90.6B	224
Cadmium		4.8JB
Iron	3510	14800JE
Lead	6.7	3.8J*
Manganese	1016	1480
Mercury	0.54	
Nickel		29.2B
Silver		9.7 JB
Sodium	19200	45800
Zinc	32.9	

MBS	2/1/92	4/20/94
Concentration in ug/L		
Phenol		2J
Alpha-Chlordane		0.046JP
Iron	416	4540JE
Lead		3.2J*
Manganese		327

MBD	10/3/93	4/20/94
Concentration in ug/L		
Beryllium	0.33JB	
Iron	326	300JE
Lead		12.6J*
Manganese	112	84

MP6	10/3/93	4/21/94
Concentration in ug/L		
Di-n-butylphthalate	10	
Barium	99.1B	
Beryllium	0.25JB	
Iron		3060JB
Manganese	24B	41

MP2	12/3/92	4/21/94
Concentration in ug/L		
Toluene	1JX	Well Damaged (Not Sampled)
Xylene(total)	1JX	
Aluminum	38800	
Arsenic	5.9B	
Barium	262	
Chromium	63.5	
Iron	44600	
Lead	14.8	
Manganese	1230	
Vanadium	110	
Zinc	115	

MP3	12/3/92	4/21/94
Concentration in ug/L		
Phenol		2J
Aluminum	1120	
Barium	58.2B	
Iron	1200	4890JE
Lead		5.6J*
Manganese	680	906
Mercury		0.23

MP4	12/2/92	4/21/94
Concentration in ug/L		
Aluminum	3980	Well Dry (Not Sampled)
Barium	82.8B	
Iron	4700	
Manganese	67B	
Zinc	43.7	

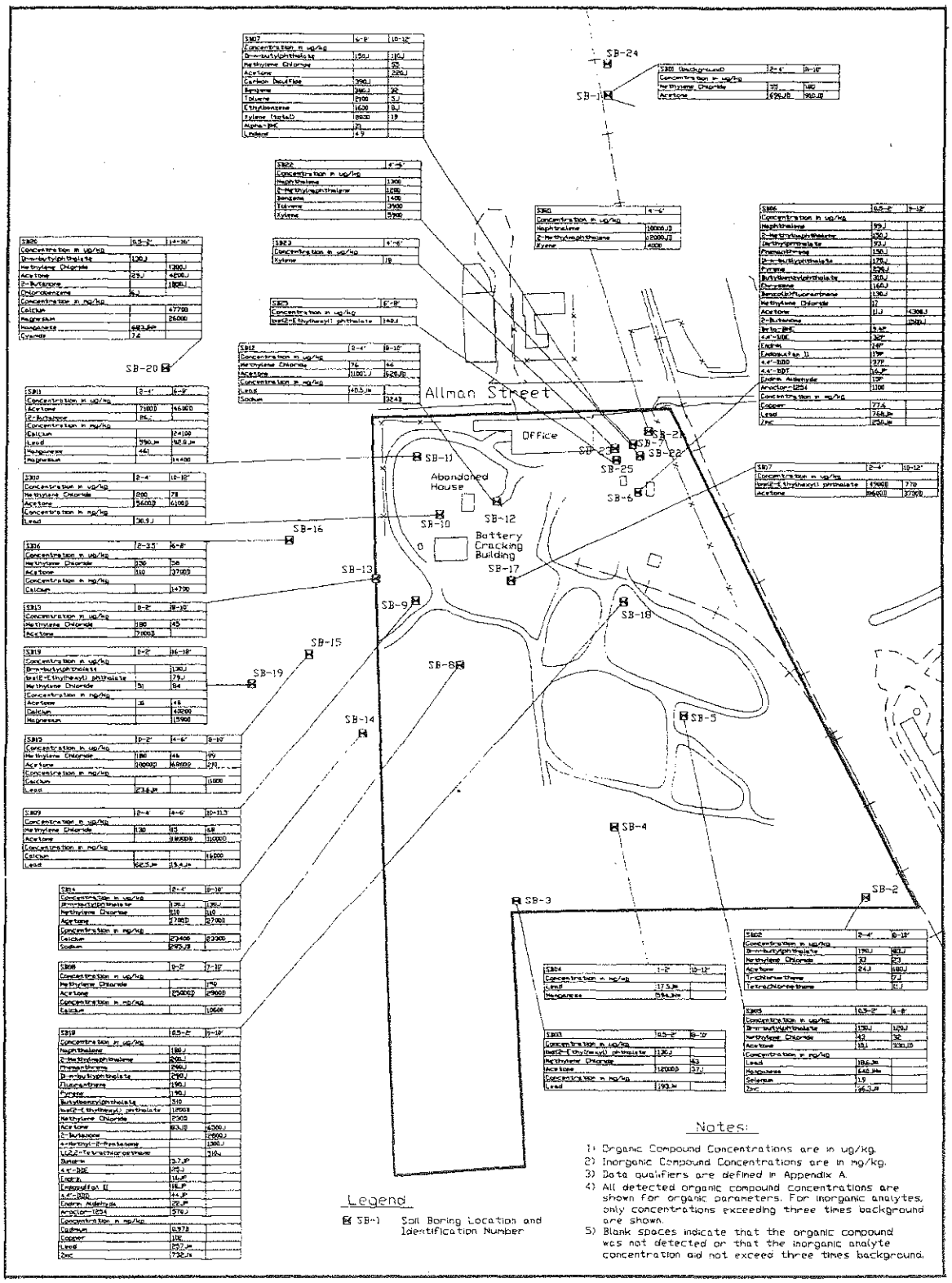
MW2S	12/1/92	4/20/94
Concentration in ug/L		
Methylene Chloride	3J	
Acetone	3J	
1,1,1-Trichloroethane	1J	
Toluene	2J	
Xylene (total)	2J	
Phenol		2J
Barium	64.7B	
Iron		2500JE
Lead		4.1J*
Manganese	735	425

MW2D	10/3/93	4/20/94
Concentration in ug/L		
Phenol		2J
Beryllium	0.33JB	
Iron	762	690JE
Lead		5.2J*
Manganese	537	465

MW1S	12/1/92	4/20/94
Concentration in ug/L		
1,2-Dichloroethene	2J	
Trichloroethene	5J	1J
Tetrachloroethene	63	2J
Phenol		2J
Aluminum	11500	7230
Chromium	26.8	17.7
Barium	107B	
Iron	10700	23000JE
Lead	4.4J	4.5J*
Manganese	141	203
Sodium	17600	20200

MW1D	10/3/93	4/20/94
Concentration in ug/L		
Iron	326	300JE
Manganese	204	80B
Thallium	2.9B	

Figure 2-15
Analytical Results Summary
for Monitoring Well Samples
Scrap Processing, Medford, WI



Legend

SB-1 Soil Boring Location and Identification Number

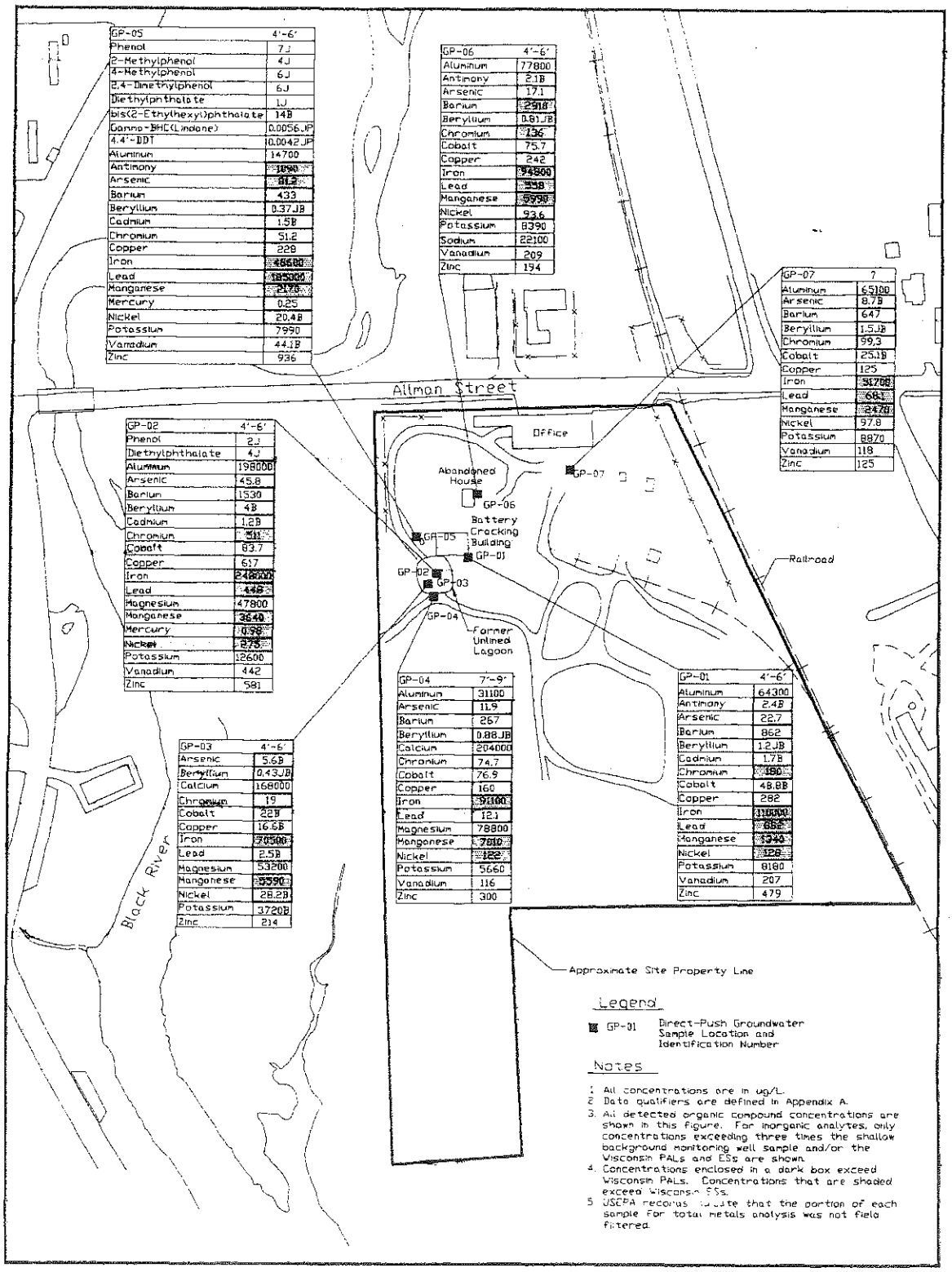
Notes:

1) Organic Compound Concentrations are in ug/kg.
2) Inorganic Compound Concentrations are in mg/kg.
3) Data qualifiers are defined in Appendix A.
4) All detected organic compound concentrations are shown for organic parameters. For inorganic analytes, only concentrations exceeding three times background are shown.
5) Blank spaces indicate that the organic compound was not detected or that the inorganic analyte concentration did not exceed three times background.

Scale in Feet

0 100 200 300 400 500

Figure 2-16
Analytical Results Summary for Soil Boring Samples
Scrap Processing, Medford, WI



GP-05	4'-6'
Phenol	7J
2-Methylphenol	4J
4-Methylphenol	6J
2,4-Dimethylphenol	6J
Diethylphthalate	1J
bis(2-Ethylhexyl)phthalate	14B
Gamma-BHC(Lindane)	0.0056JP
4,4'-DDT	0.0042JP
Aluminum	14700
Antimony	1290
Arsenic	81.2
Barium	433
Beryllium	0.37JB
Cadmium	1.5B
Chromium	51.2
Copper	228
Iron	45600
Lead	185000
Manganese	2175
Mercury	0.25
Nickel	20.4B
Potassium	7990
Vanadium	44.1B
Zinc	936

GP-06	4'-6'
Aluminum	77800
Antimony	2.1B
Arsenic	17.1
Barium	2910
Beryllium	0.81JB
Chromium	136
Cobalt	75.7
Copper	242
Iron	94800
Lead	358
Manganese	6990
Nickel	93.6
Potassium	8390
Sodium	22100
Vanadium	209
Zinc	194

GP-07	?
Aluminum	65100
Arsenic	8.7B
Barium	647
Beryllium	1.5JB
Chromium	99.3
Cobalt	25.1B
Copper	125
Iron	91700
Lead	68.1
Manganese	2470
Nickel	97.8
Potassium	8870
Vanadium	118
Zinc	125

GP-02	4'-6'
Phenol	2J
Diethylphthalate	4J
Aluminum	198000
Arsenic	45.8
Barium	1530
Beryllium	4B
Cadmium	1.2B
Chromium	211
Cobalt	83.7
Copper	617
Iron	248000
Lead	448
Magnesium	47800
Manganese	3640
Mercury	0.98
Nickel	875
Potassium	12600
Vanadium	442
Zinc	581

GP-03	4'-6'
Arsenic	5.6B
Beryllium	0.43JB
Calcium	168000
Chromium	19
Cobalt	22B
Copper	16.6B
Iron	70500
Lead	2.5B
Magnesium	53200
Manganese	5590
Nickel	28.2B
Potassium	3720B
Zinc	214

GP-04	7'-9'
Aluminum	31100
Arsenic	11.9
Barium	257
Beryllium	0.88JB
Calcium	204000
Chromium	74.7
Cobalt	76.9
Copper	160
Iron	91100
Lead	12.1
Magnesium	78800
Manganese	7810
Nickel	122
Potassium	5660
Vanadium	116
Zinc	300

GP-01	4'-6'
Aluminum	64300
Antimony	2.4B
Arsenic	22.7
Barium	862
Beryllium	1.2JB
Cadmium	1.7B
Chromium	190
Cobalt	48.8B
Copper	282
Iron	110000
Lead	852
Manganese	1340
Nickel	128
Potassium	6180
Vanadium	207
Zinc	479

Scale in Feet

0 100 200 300 400 500

Figure 2-20
Analytical Results Summary for Direct-Push Groundwater Samples
Scrap Processing, Medford, WI

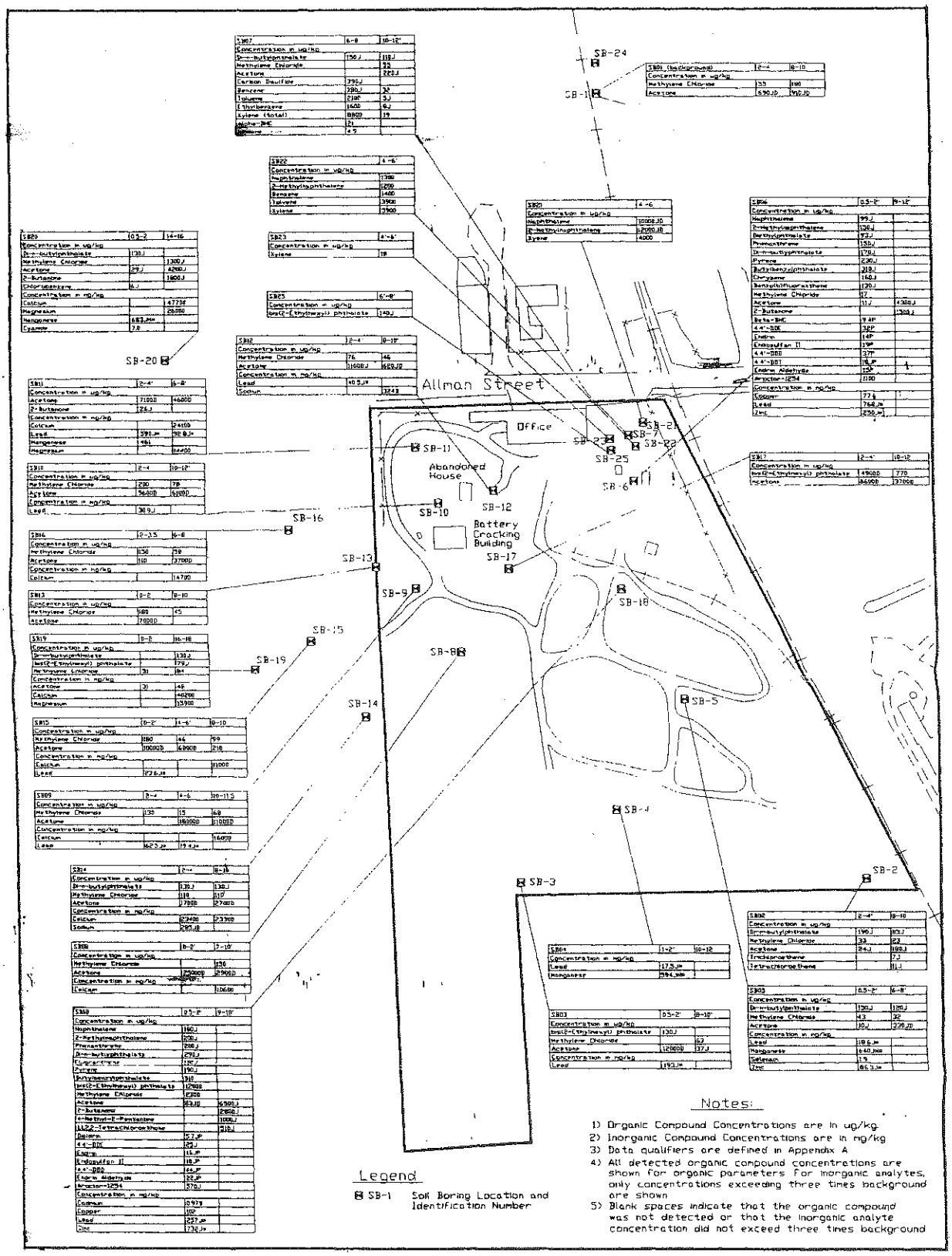
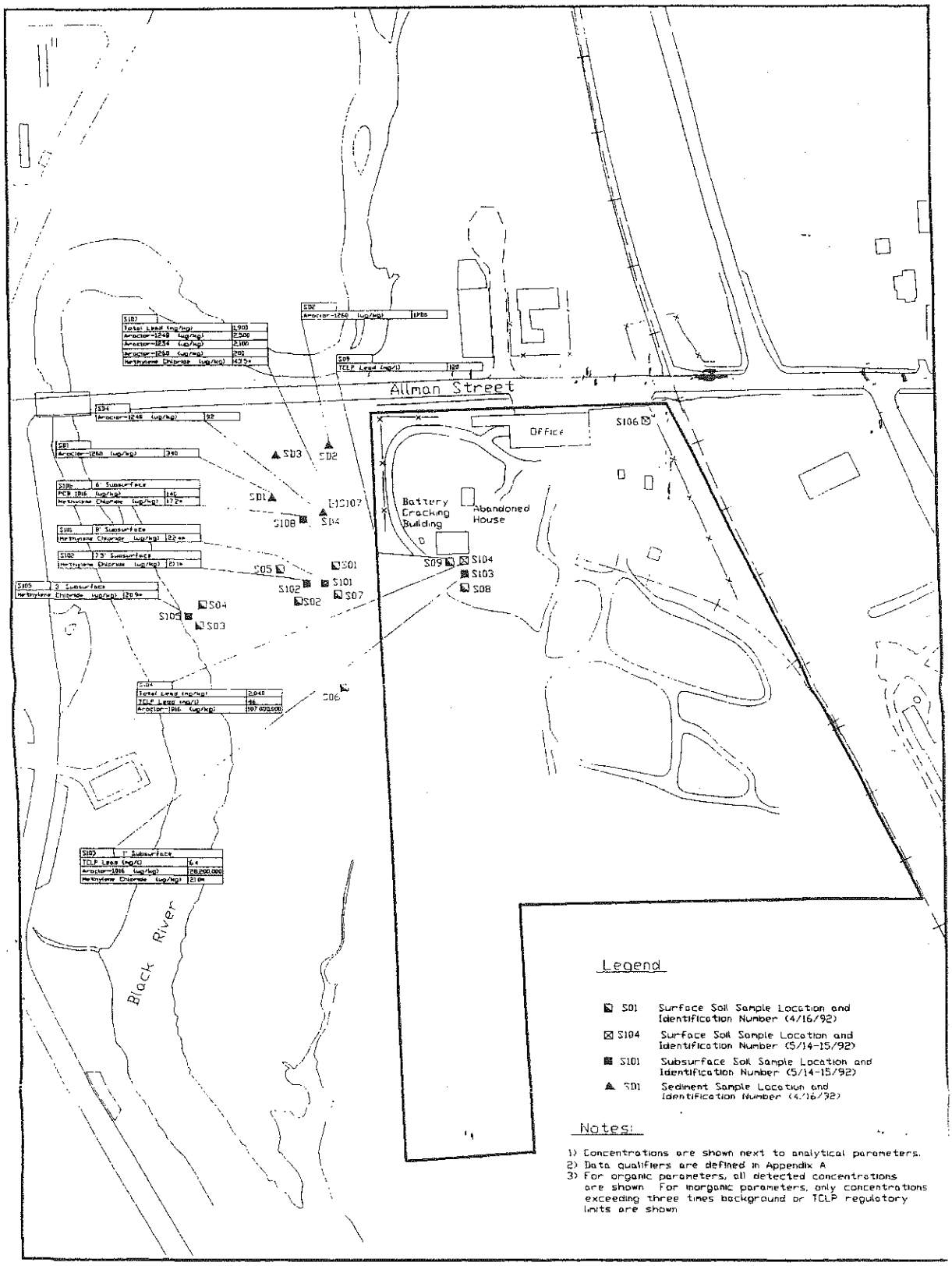


Figure 2-16
Analytical Results Summary for Soil Boring Samples
Scrap Processing, Medford, WI



Scale in Feet

0 100 200 300 400 500

Figure 2-14
Analytical Results Summary of
Extent-of-Contamination Study Samples
Scrap Processing, Medford, WI

NOTES:

1. BASELINE SURVEY PREPARED BY TNT AND ASSOCIATES, INC. ENGINEERING AND SCIENCE, DECEMBER 1998.

THE POINT OF BEGINNING OF THE GRID SHOWN HEREON IS THE NORTHEASTERLY CORNER OF THE MAIN BUILDING WITH GRID LINES RUNNING PARALLEL WITH AND PERPENDICULAR TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 27.

BENCHMARK 1= 3 CHISLED MARKS ON TOP OF GUARD RAIL, CENTER OF BRIDGE ON UPSTREAM SIDE. ELEVATION=1422.12

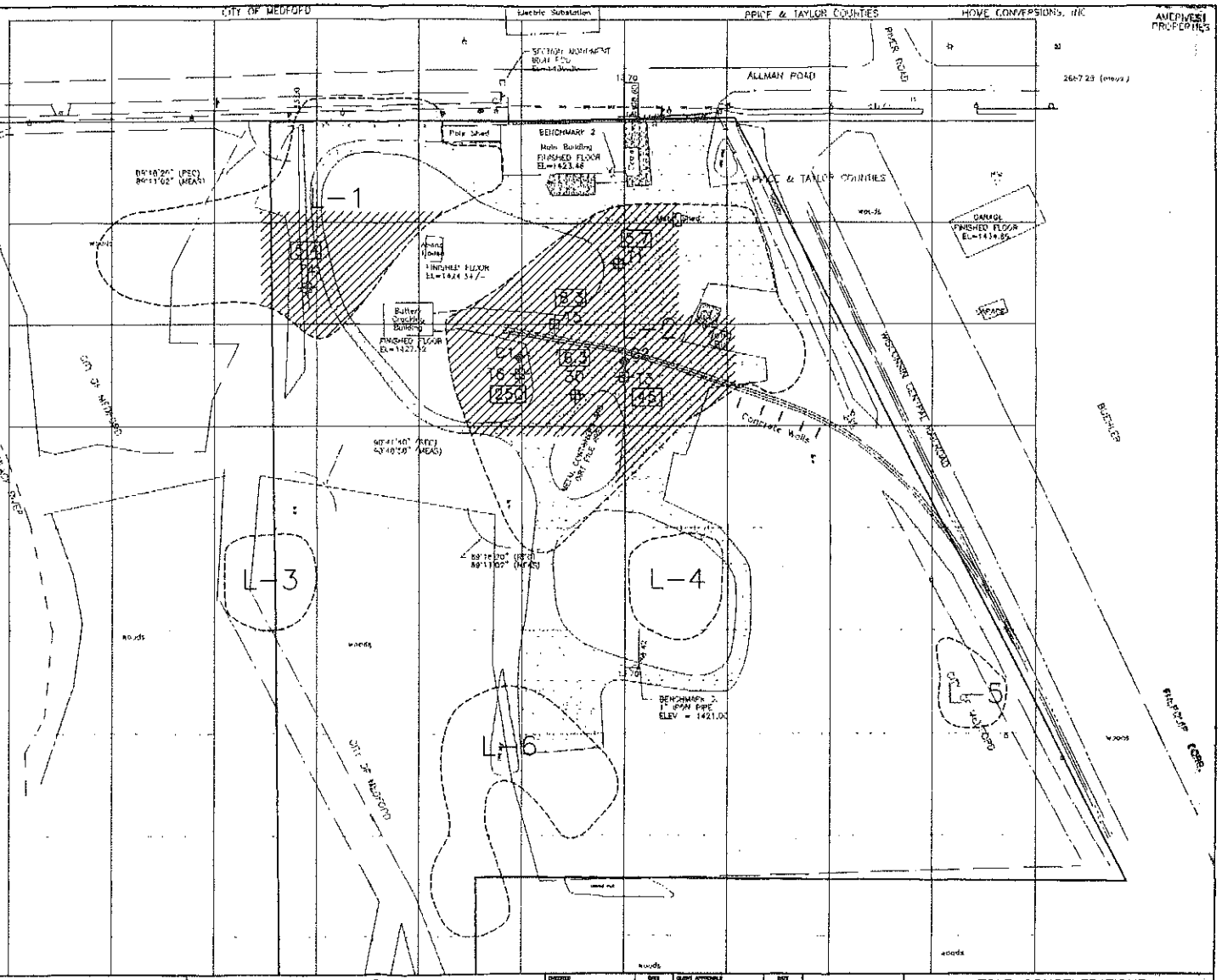
BENCHMARK 2= INSIDE OF DOOR AT "SE" CORNER OF MAIN BUILDING. ELEVATION=1423.46

BENCHMARK 3 = TOP OF 1" IRON PIPE ELEVATION=1421.00

4. SET PK NAILS IN ALLMAN RD. ON 100' NORTH/SOUTH GRID LINE 38.6' NORTH OF "NE" CORNER OF MAIN BUILDING, PARALLEL TO EAST/WEST GRID LINES

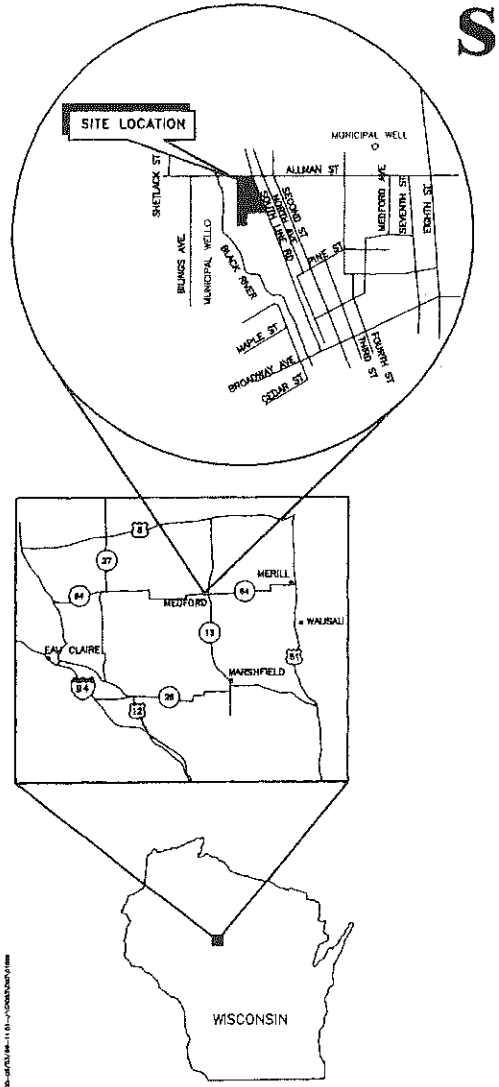
LEGEND:

- MONITORING WELL
- RAILROAD TRACKS
- GRAVELED AREA
- CONCRETE AREA
- SECTION CORNER
- 2" IRON PIPE FOUND.
- 1" IRON PIPE SET
- PK NAIL
- GAS VENT
- POWER POLE
- GUY WIRE
- GAS LINE
- FENCE LINE
- TELEPHONE PEDESTAL
- STREET LIGHT/POLE
- WELL
- SIGN
- CLEAN OUT
- CATCH BASIN
- WITNESS MONUMENT
- HYDRANT
- WOODED AREA
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE EXCAVATION AREA
- TCLP SAMPLES THAT EXCEED 5 mg/L
- AREA REQUIRING SOIL STABILIZATION
- COMPOSITE SAMPLE LOCATION



SCRAP PROCESSING				TCLP CONCENTRATIONS	
Medford	Wisconsin			FIGURE 2.4.1	
WESTON				D.C.H.	8/99
				1"=100'	2.4.1

SCRAP PROCESSING SUPERFUND SITE
SOIL TREATMENT AND CLEANUP



MEDFORD, WISCONSIN

AUGUST 1999

INDEX

G-1 EXISTING SITE CONDITIONS
G-2 SITE PREPARATION PLAN
G-3 SITE EXCAVATION PLAN
G-4 SITE SEEDING AND GRAVEL PLAN
G-5 SITE SOIL STABILIZATION PLAN
G-6 DETAIL SHEET

PREPARED FOR:
U.S. ENVIRONMENTAL PROTECTION AGENCY

RESPONSE ACTION CONTRACT
U.S. EPA CONTRACT No. 68-W7-0026
WORK ASSIGNMENT No. 020-RDRD-05N1
DOCUMENT CONTROL No. RFW020-2A-ADDS

WESTON®
MANAGERS DESIGNERS/CONSULTANTS

NOTES:

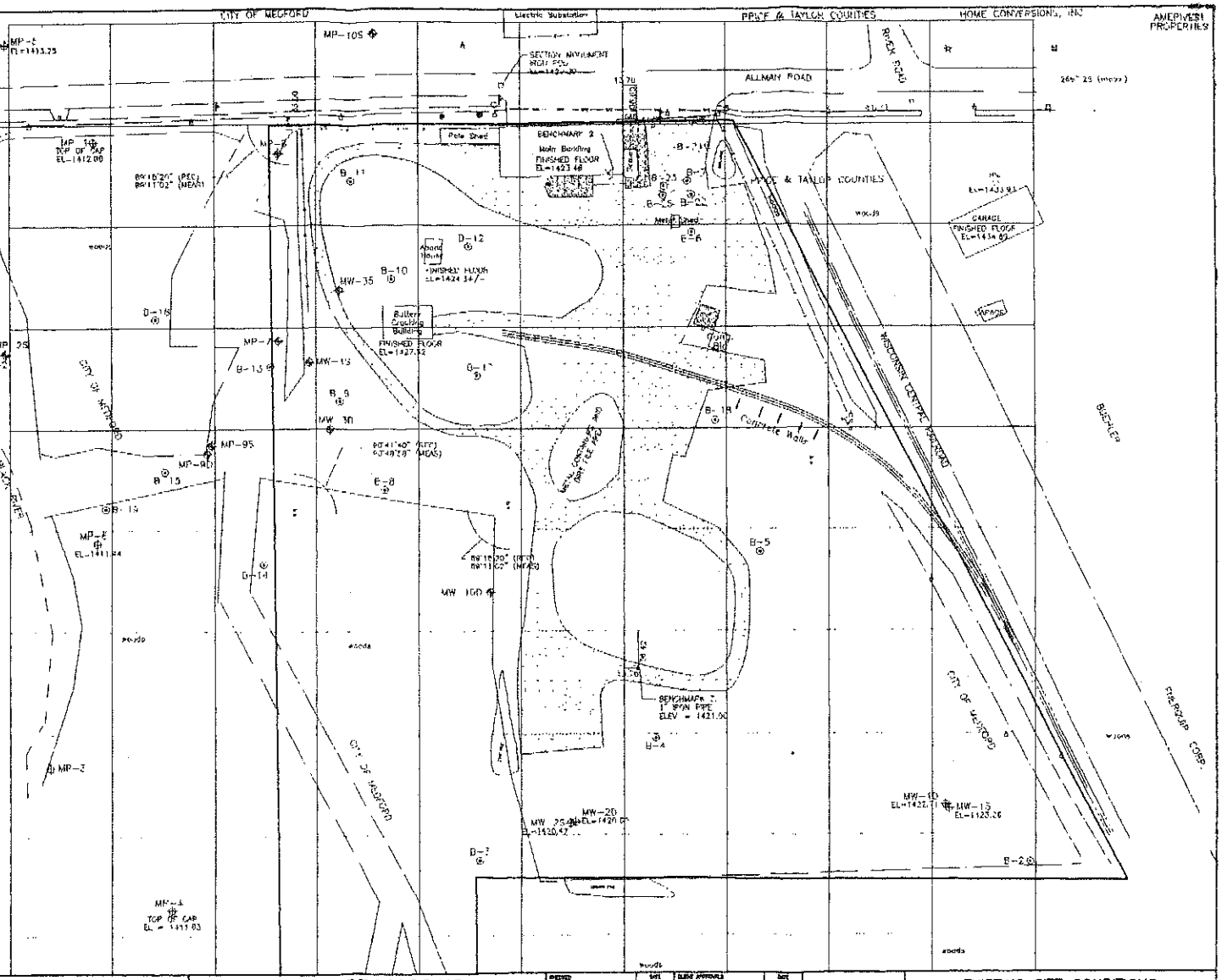
1. BASELINE SURVEY PREPARED BY TINLAND ASSOCIATES, INC. ENGINEERING AND SCIENCE, DECEMBER 1988.
2. THE POINT OF BEGINNING OF THE GRID SHOWN HEREON IS THE NORTHEASTERLY CORNER OF THE MAIN BUILDING WITH GRID LINES RUNNING PARALLEL WITH AND PERPENDICULAR TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 27.
3. BENCHMARK 1= 3 CHISLED MARKS ON TOP OF GUARD RAIL, CENTER OF BRIDGE ON UPSTREAM SIDE. ELEVATION=1422.12

   BENCHMARK 2= INSIDE OF DOOR AT "SE" CORNER OF MAIN BUILDING. ELEVATION=1423.48

   BENCHMARK 3 = TOP OF 1" IRON PIPE ELEVATION=1421.00
4. SET PK NAILS IN ALLMAN RD. ON 100' NORTH/SOUTH GRID LINE 38.6' NORTH OF "NE" CORNER OF MAIN BUILDING, PARALLEL TO EAST/WEST GRID LINES

LEGEND:

- MW — MONITORING WELL
- RAILROAD TRACKS
- GRAVELED AREA
- CONCRETE AREA
- SECTION CORNER
- 2" IRON PIPE FOUND.
- 1" IRON PIPE SET
- PK NAIL
- GVT — GAS VENT
- POWER POLE
- GUY WIRE
- GAS LINE
- FENCE LINE
- TELEPHONE PEDESTAL
- STREET LIGHT/POLE
- WELL
- SIGN
- CLEAN OUT
- CATCH BASIN
- WITNESS MONUMENT
- HYDRANT
- WOODED AREA
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- SOIL BORING



SCRAP PROCESSING

Medford Wisconsin

WESTON

EXISTING SITE CONDITIONS

DRAWN D.C.H.	DATE 5/99	DWG. NO. G-1	REV. NO.
SCALE 1"=100'	W.O. NO. 20084020191120		

NOTES:
1. BASELINE SURVEY PREPARED BY TNT AND ASSOCIATES, INC. ENGINEERING AND SCIENCE, DECEMBER 1998.
2. THE POINT OF BEGINNING OF THE GRID SHOWN HEREON IS THE NORTHEASTERLY CORNER OF THE MAIN BUILDING WITH GRID LINES RUNNING PARALLEL WITH AND PERPENDICULAR TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 27.
3. BENCHMARK 1 = 3 CHISLED MARKS ON TOP OF GUARD RAIL, CENTER OF BRIDGE ON UPSTREAM SIDE. ELEVATION=1422.12

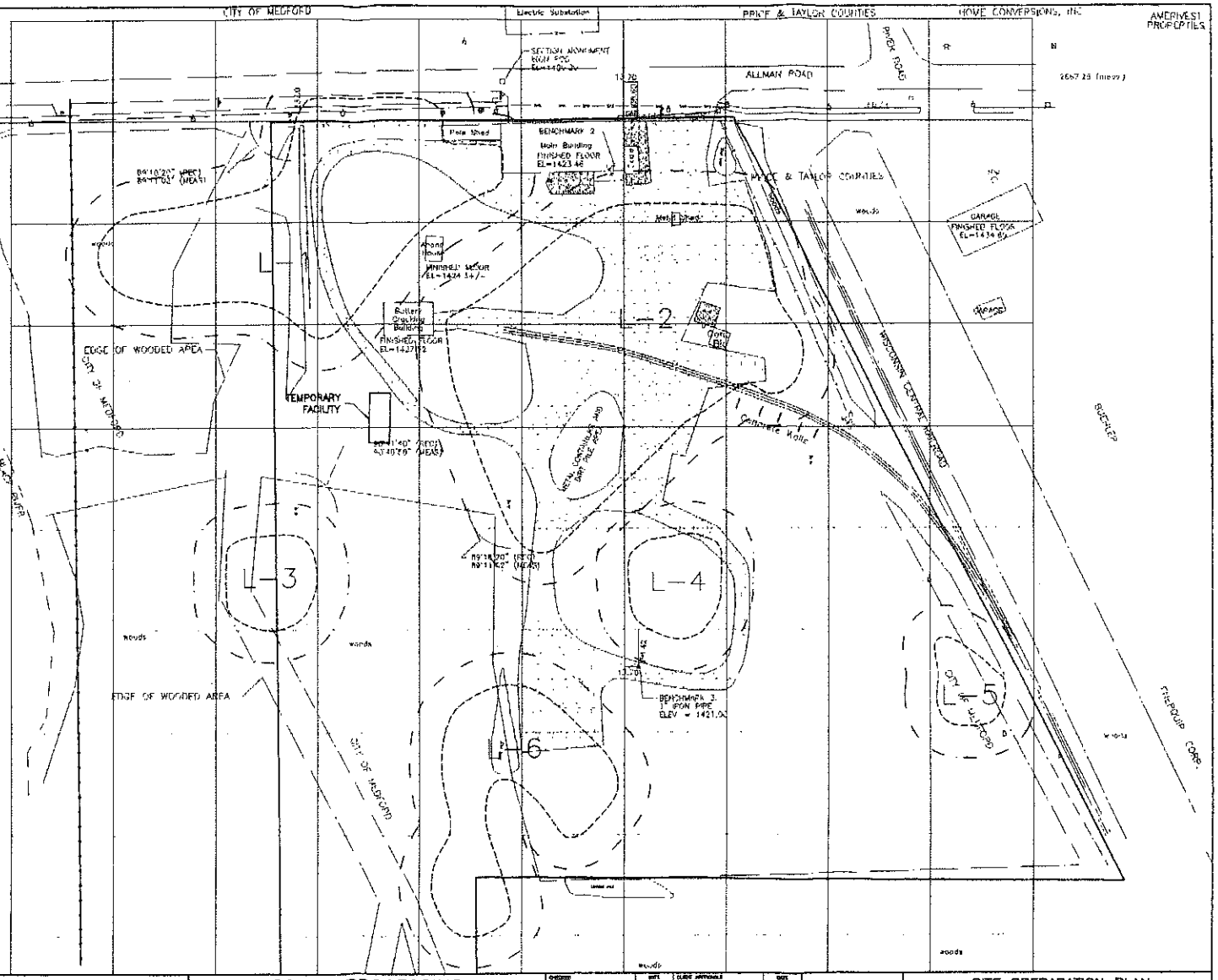
   BENCHMARK 2 = INSIDE OF DOOR AT "SE" CORNER OF MAIN BUILDING. ELEVATION=1423.46

   BENCHMARK 3 = TOP OF 1" IRON PIPE ELEVATION=1421.00
4. SET PK NAILS IN ALLMAN RD. ON 100' NORTH/SOUTH GRID LINE 38.8' NORTH OF "NE" CORNER OF MAIN BUILDING, PARALLEL TO EAST/WEST GRID LINES

LEGEND:

- MONITORING WELL
- RAILROAD TRACKS
- GRAVELED AREA
- CONCRETE AREA
- SECTION CORNER
- 2" IRON PIPE FOUND.
- 1" IRON PIPE SET
- PK NAIL
- GAS VENT
- POWER POLE
- GUY WIRE
- GAS LINE
- FENCE LINE
- TELEPHONE PEDESTAL
- STREET LIGHT/POLE
- WELL
- SIGN
- CLEAN OUT
- CATCH BASIN
- WITNESS MONUMENT
- HYDRANT
- WOODED AREA
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE EXCAVATION AREA
- SILT FENCE
- AREA TO BE CLEARED AND GRUBBED

NOTES:
- SUBCONTRACTOR TO REMOVE EXISTING SITE FENCE AS NECESSARY FOR CLEARING AND GRUBBING ACTIVITIES. FENCE SHOULD BE STORED ON-SITE FOR RE-USE AS PART OF THE PERMANENT CHAIN LINK SECURITY FENCE.
- AREAS TO BE CLEARED AND GRUBBED ARE THE SOIL EXCAVATION AREAS PLUS A 30 FOOT ZONE AROUND EACH OF THE EXCAVATION AREAS.
- RAILROAD TRACKS THAT LIE IN AREAS DESIGNATED TO BE EXCAVATED AND CLEARED AND GRUBBED WILL BE REMOVED PRIOR TO ANY EXCAVATION ACTIVITIES.



| | | |

NOTES:
1. BASELINE SURVEY PREPARED BY TRIAND ASSOCIATES, INC. ENGINEERING AND SCIENCE, DECEMBER 1998.
2. THE POINT OF BEGINNING OF THE GRID SHOWN HEREON IS THE NORTHEASTERLY CORNER OF THE MAIN BUILDING WITH GRID LINES RUNNING PARALLEL WITH AND PERPENDICULAR TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 27.
3. BENCHMARK 1= 3 CHISLED MARKS ON TOP OF GUARD RAIL, CENTER OF BRIDGE ON UPSTREAM SIDE. ELEVATION=1422.12

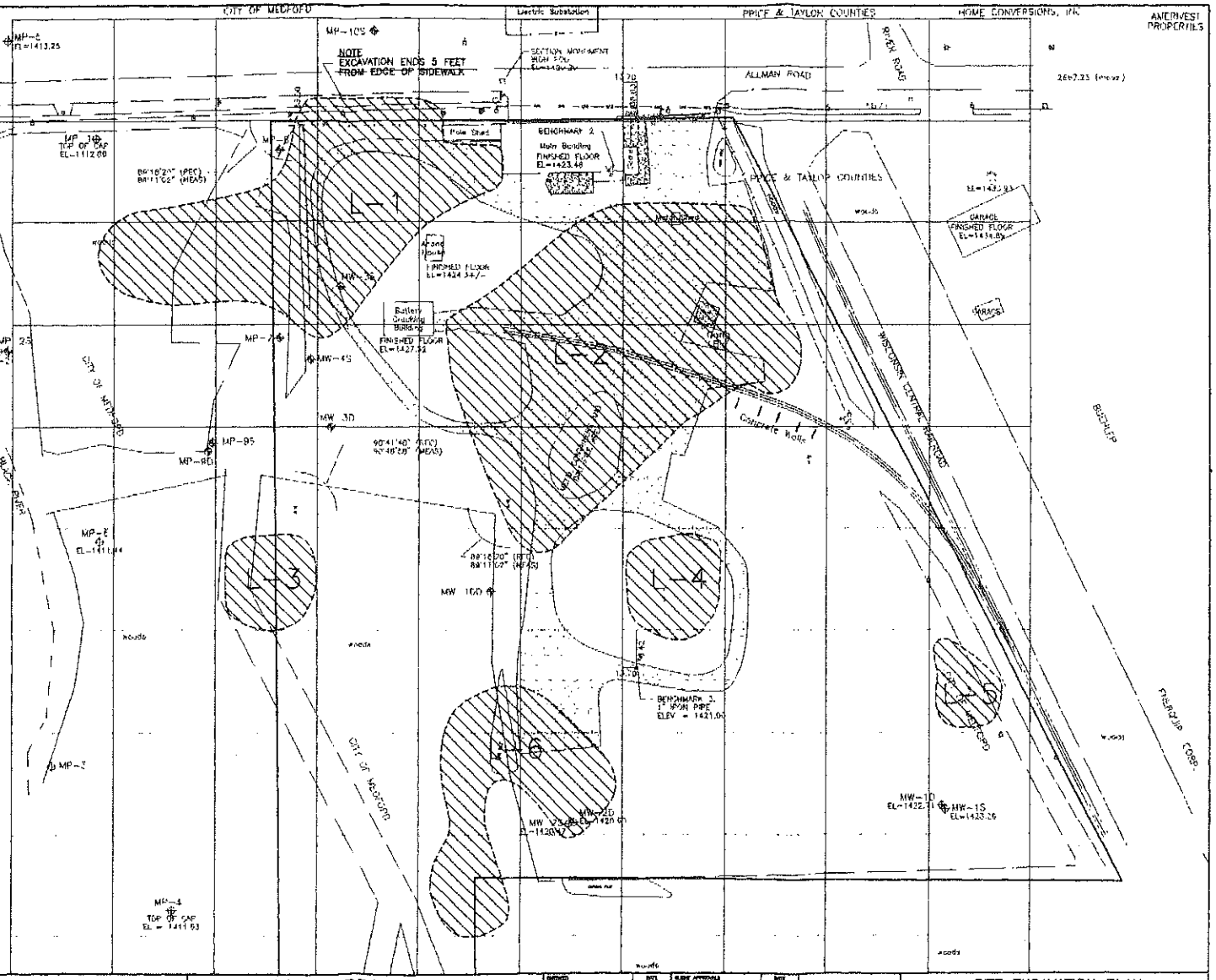
   BENCHMARK 2= INSIDE OF DOOR AT "SE" CORNER OF MAIN BUILDING. ELEVATION=1423.48

   BENCHMARK 3 = TOP OF 1" IRON PIPE ELEVATION=1421.00
4. SET PK NAILS IN ALLMAN RD. ON 100' NORTH/SOUTH GRID LINE 38.6' NORTH OF "NE" CORNER OF MAIN BUILDING, PARALLEL TO EAST/WEST GRID LINES

LEGEND:

- MONITORING WELL
- RAILROAD TRACKS
- GRAVELED AREA
- CONCRETE AREA
- SECTION CORNER
- 2" IRON PIPE FOUND.
- 1" IRON PIPE SET
- PK NAIL
- GAS VENT
- POWER POLE
- GUY WIRE
- GAS LINE
- FENCE LINE
- TELEPHONE PEDESTAL
- STREET LIGHT/POLE
- WELL
- SIGN
- CLEAN OUT
- CATCH BASIN
- WITNESS MONUMENT
- HYDRANT
- WOODED AREA
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING MONITORING WELL
- EXCAVATE AREA TO 2 FOOT

NOTE:
TEMPORARY FENCING SHALL BE INSTALLED AROUND EXCAVATION AREAS PRIOR TO SITE WORK AT THAT LOCATION.



NO.	DATE	REVISIONS		NO.	DATE	REVISIONS					

SCRAP PROCESSING

Medford Wisconsin

WESTON

DESIGNED	DATE	CLIENT APPROVALS	DATE
DES. ENG.			
FIELD ENG.			
FIELD SUP.			
APPROVED			
APPROVED		ISSUED FOR	DATE

SITE EXCAVATION PLAN

DRAWN D.C.H.	DATE 8/99	FIGURE NO. G-3	REV. NO.
SCALE 1"=100'	W.O. NO. 20040201001120		REV. DATE

HOMANDO-DS/10/99-14:28-J:\CADD\EBRC\

NOTES:
1. BASELINE SURVEY PREPARED BY TRIAND ASSOCIATES, INC. ENGINEERING AND SCIENCE, DECEMBER 1998.
2. THE POINT OF BEGINNING OF THE GRID SHOWN HEREON IS THE NORTHEASTERLY CORNER OF THE MAIN BUILDING WITH GRID LINES RUNNING PARALLEL WITH AND PERPENDICULAR TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 27.
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   BENCHMARK 2= INSIDE OF DOOR AT "SE" CORNER OF MAIN BUILDING. ELEVATION=1423.48

   BENCHMARK 3 = TOP OF 1" IRON PIPE ELEVATION=1421.00
4. SET PK NAILS IN ALLMAN RD. ON 100' NORTH/SOUTH GRID LINE 38.6' NORTH OF "NE" CORNER OF MAIN BUILDING, PARALLEL TO EAST/WEST GRID LINES

LEGEND:

- MONITORING WELL
- RAILROAD TRACKS
- GRAVELED AREA
- CONCRETE AREA
- SECTION CORNER
- 2" IRON PIPE FOUND.
- 1" IRON PIPE SET
- PK NAIL
- GAS VENT
- POWER POLE
- GUY WIRE
- GAS LINE
- FENCE LINE
- TELEPHONE PEDESTAL
- STREET LIGHT/POLE
- WELL
- SIGN
- CLEAN OUT
- CATCH BASIN
- WITNESS MONUMENT
- HYDRANT
- WOODED AREA
- APPROXIMATE PROPERTY BOUNDARY
- CHAIN-LINK SECURITY FENCE
- L-2 APPROXIMATE EXCAVATION AREA
- AREA TO BE CLEARED AND GRUBBED
- AREA TO BE REVEGETATED WITH SEED MIXTURE NO. 10
- AREA TO BE REVEGETATED WITH SEED MIXTURE NO. 60
- AREA TO BE BACKFILLED WITH BASE COURSE AGGREGATE CONFORMING TO GRADUATION NO. 2 AND THEN COVERED WITH AGGREGATE SURFACE COURSE, GRADUATION NO. 3.

NOTE:
SEED MIXTURE NO. 10 BEGINS 30 FEET WEST OF PROPERTY BOUNDARY.

SCRAP PROCESSING

Medford Wisconsin

WESTON

DRAWN	D.C.H.
DATE	8/99
SCALE	1"=100'
W.O. NO.	20084020100112O
DWG. NO.	G-4

SITE SEEDING & GRAVEL PLAN

NOTES:

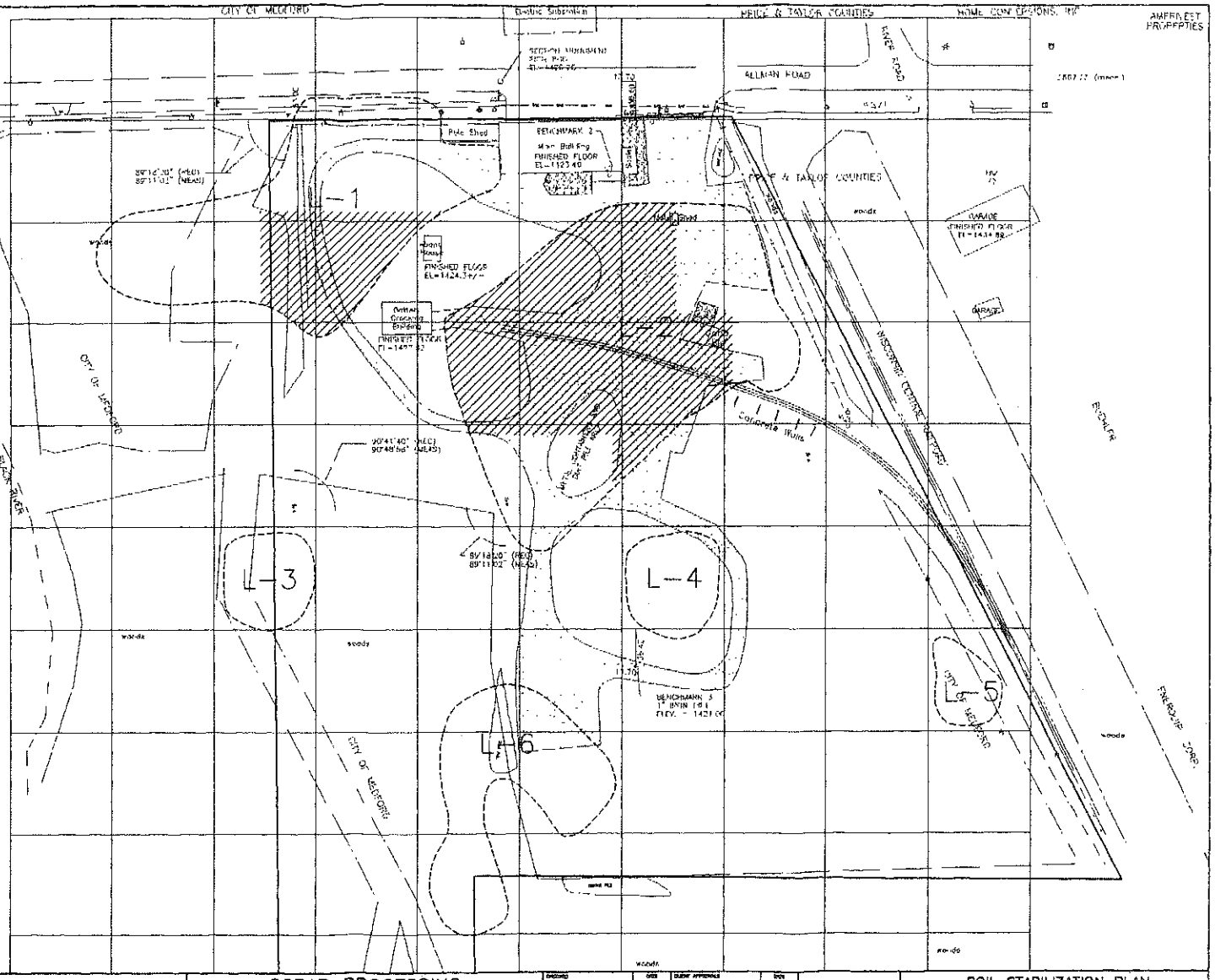
1. BASELINE SURVEY PREPARED BY TN/AND ASSOCIATES, INC. ENGINEERING AND SCIENCE, DECEMBER 1998.
2. THE POINT OF BEGINNING OF THE GRID SHOWN HEREON IS THE NORTHEASTERLY CORNER OF THE MAIN BUILDING WITH GRID LINES RUNNING PARALLEL WITH AND PERPENDICULAR TO THE NORTH LINE OF THE NORTHWEST 1/4 OF SECTION 27.
3. BENCHMARK 1= 3 CHISLED MARKS ON TOP OF GUARD RAIL, CENTER OF BRIDGE ON UPSTREAM SIDE. ELEVATION=1422.12

   BENCHMARK 2= INSIDE OF DOOR AT "SE" CORNER OF MAIN BUILDING. ELEVATION=1423.46

   BENCHMARK 3 = TOP OF 1" IRON PIPE ELEVATION=1421.00
4. SET PK NAILS IN ALLMAN RD. ON 100' NORTH/SOUTH GRID LINE 38.8' NORTH OF "NE" CORNER OF MAIN BUILDING, PARALLEL TO EAST/WEST GRID LINES

LEGEND:

- MONITORING WELL
- RAILROAD TRACKS
- GRAVELED AREA
- CONCRETE AREA
- SECTION CORNER
- 2" IRON PIPE FOUND.
- 1" IRON PIPE SET
- PK NAIL
- GAS VENT
- POWER POLE
- GUY WIRE
- GAS LINE
- FENCE LINE
- TELEPHONE PEDESTAL
- STREET LIGHT/POLE
- WELL
- SIGN
- CLEAN OUT
- CATCH BASIN
- WITNESS MONUMENT
- HYDRANT
- WOODED AREA
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE EXCAVATION AREA
- AREA REQUIRING SOIL STABILIZATION



NO.	DATE	APPR.	REVISION	NO.	DATE	APPR.	REVISION

SCRAP PROCESSING

Medford Wisconsin

WESTON

DRAWN	D.C.H.	DATE	8/99
SCALE	1"=100'	C.D. NO.	20064020100112O
JOB NO.	G-5		

SOIL STABILIZATION PLAN

HERNANDO-08/10/99-14:26-J:\CADD\3\200\G21B08