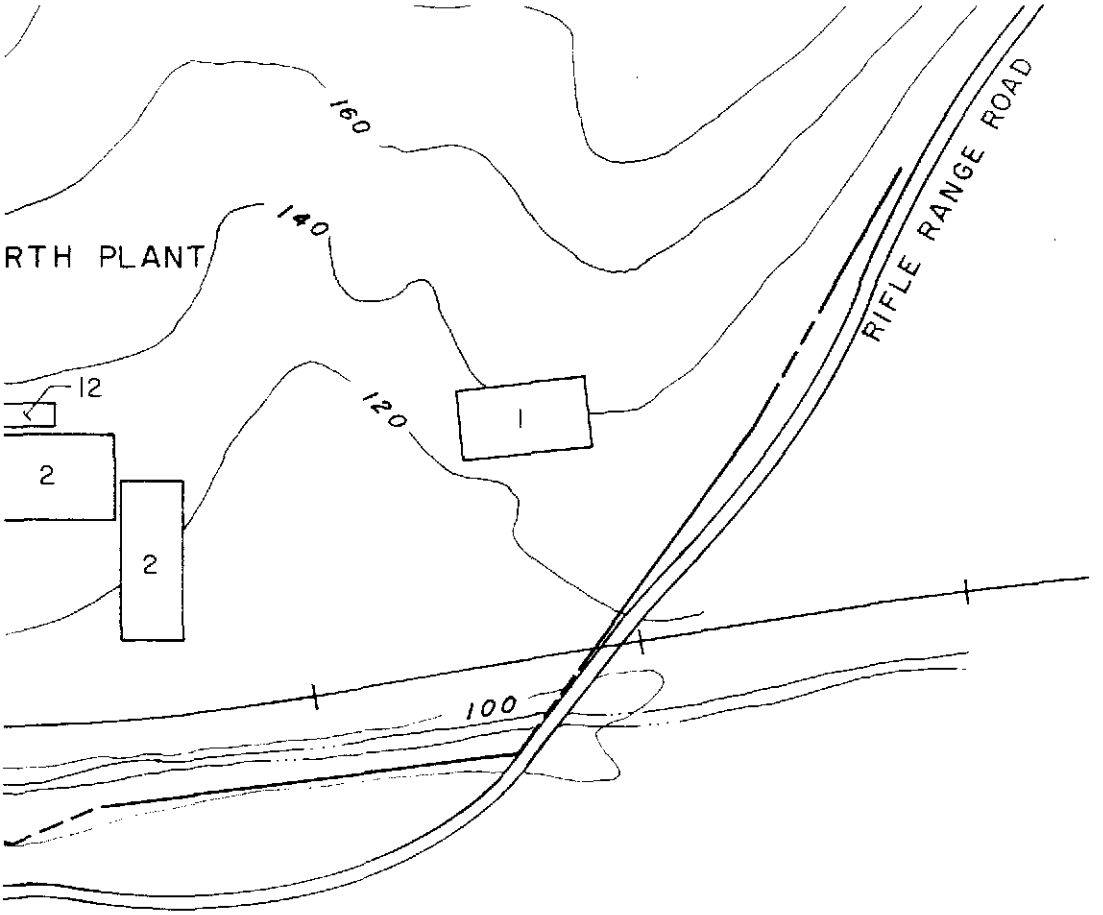

FIGURE 1

SITE FACILITIES MAP

PREPARED FOR

VICKSBURG CHEMICAL DIVISION
VICKSBURG, MISSISSIPPI

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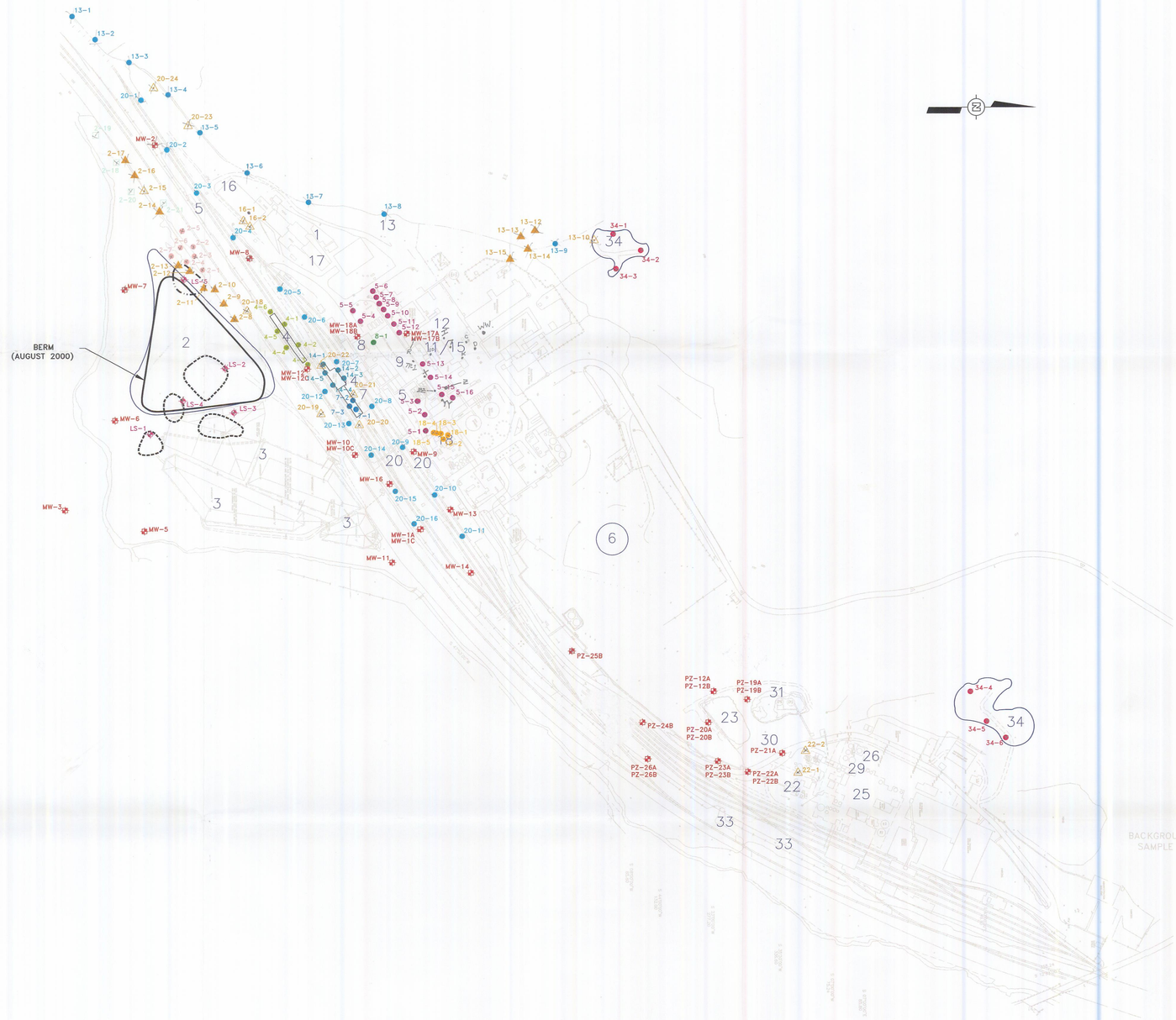

SWMU NUMBER	SOUTH PLANT
1	CONTAINER (DRUM) STORAGE AREA
2	INACTIVE LANDFILL
3	SURFACE IMPOUNDMENT (SOUTH PLANT)
4	ACTIVATED CARBON TREATMENT UNITS
5	SOUTH PLANT DRAINAGE SYSTEMS
6	WASTEWATER STORAGE (HILL) TANKS
7	FORMER DINOSEB PRODUCTION AREA
8	DINOSEB LOADING/UNLOADING AREA
9	DINOSEB DRUMMING AREA
11	FORMER MSMA PRODUCTION AREA
12	FORMER MSMA SALT UNLOADING AREA
13	SOUTH PLANT DRAINAGE DITCHES
14	FORMER TOXAPHENE PRODUCTION AREA
15	FORMER METHYL PARATHION PRODUCTION AREA
16	FORMER ATRAZINE PRODUCTION AREA
17	RETURNED PRODUCT STORAGE AREA
18	FORMER BLUE TANK AREA
20	RAILROAD CAR UNLOADING STATION

	NORTH PLANT
22	NORTH PLANT NEUTRALIZATION SYSTEM
23	EQUALIZATION/NEUTRALIZATION POND (NORTH POND)
25	NORTH PLANT WASTEWATER PIPES
26	C-10 SCRUBBER
29	OIL COLLECTION UNIT
30	NORTH PLANT WASTE OIL ACCUMULATION AREA
31	NO. 6 FUEL OIL AREA
33	NORTH PLANT DRAINAGE DITCHES

	BOTH PLANTS
34	SURPLUS EQUIPMENT STORAGE (JUNKYARD)

LEGEND

- DEEP BORINGS LS-1, LS-2, LS-3, LS-4, LS-5
- BORINGS FOR SOIL SAMPLES AND CHEMICAL ANALYSIS
- PERMANENT MONITOR WELLS AND PIEZOMETERS
- PHASE II (MAY 2001) BORINGS TO GROUNDWATER (3 SOIL & 1 GROUNDWATER SAMPLE PER BORING)
- PHASE II (MAY 2001) SOIL SAMPLE (0.5-1.0 FOOT)
- SEPTEMBER 2001 BORING TO GROUNDWATER (1 GROUNDWATER SAMPLE PER BORING)
- CLOSED PONDS & CLOSED LANDFILLS

NOTES:

1) SEE FIGURE 2 FOR MAGNIFIED VIEW OF SWMU 4, 7, & 14 AREA
2) SEE FIGURES 3 & 4 FOR COMPOSITE SURFACE SOIL AND SOIL PILE SAMPLING LOCATIONS

SCALE
200 0 200 400 FEET

K:\CEDAR\03013\92B007C2-03013.DWG (SWMU LOCATIONS-RFI)

REV	DESCRIPTION OF REVISION	BY	DATE
8	AS EXECUTED THROUGH MAY 2001	PCG	7/19/01
7	MODIFIY PER SURFACE SOIL & SOIL PILE COMPOSITE SAMPLING RESULTS	PCG	3/9/01
6	MODIFY PER REVISED TOXAPHENE, DINOSEB AND ATRAZINE ANALYSES	PCG	1/18/01
5	ADD PHASE II BORINGS	PCG	12/14/00
4	ADD MW-16C AND REMOVE MW-1C	PCG	11/3/00
3	SHOW RFI INVESTIGATION OCTOBER 2000	PCG	10/20/00
2	SHOW SWMU 2 INVESTIGATION AUGUST 2000	PCG	8/11/00
1	SHOW NORTH POND WELLS; RELOCATE MW-18A/MW-18B, ADD MW-1C, PZ-26A/PZ-26B	PCG	7/18/00

VICKSBURG CHEMICAL COMPANY
VICKSBURG, MISSISSIPPI

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Baton Rouge, Louisiana 70816
225/751-1873

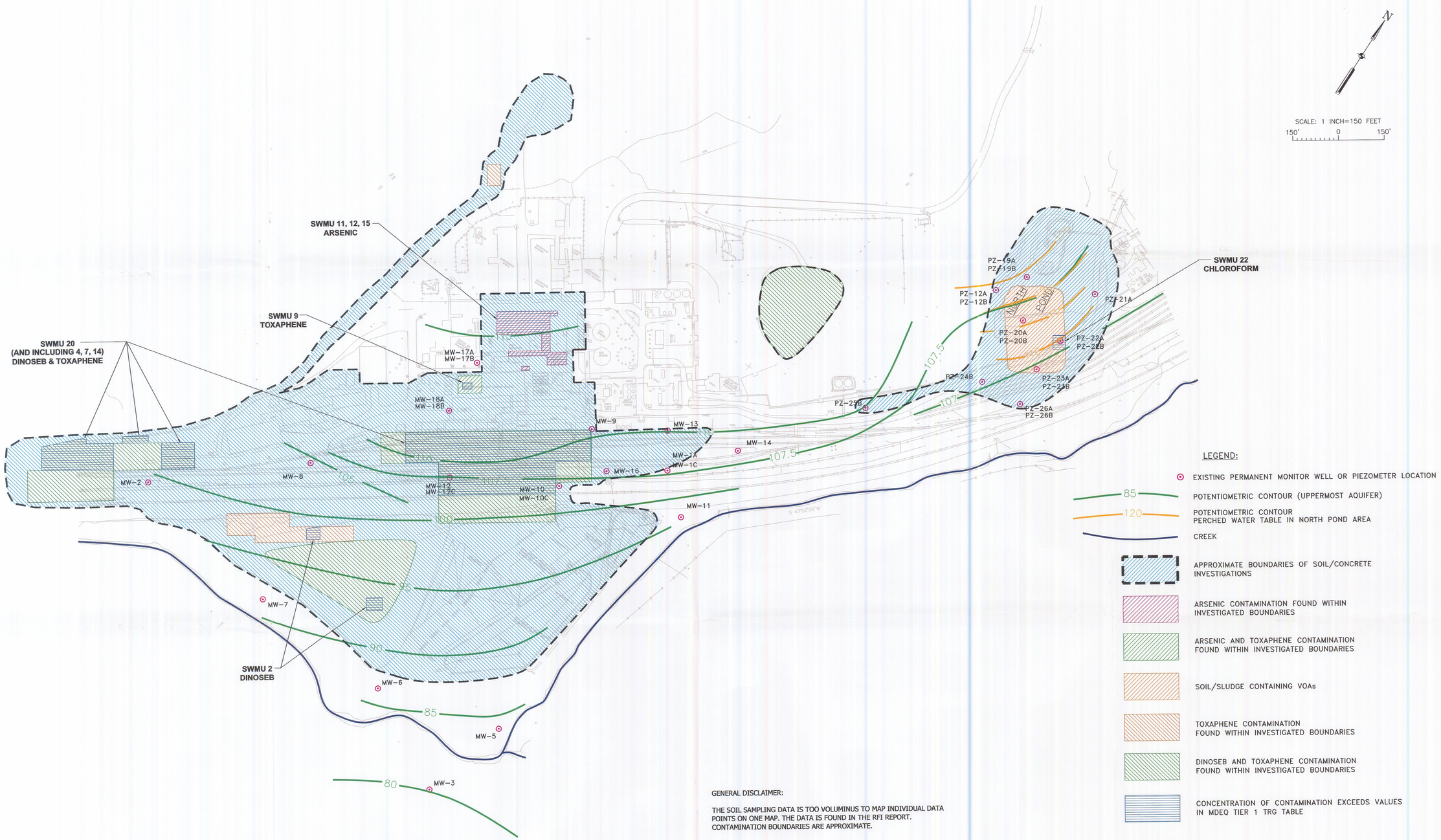
REFERENCE DRAWINGS

SCALE: 1"=200'
DESIGNED:
DRAWN: PCG
CHECKED: RDK
PEER REVIEWED:
DATE: 7/20/01

GROUNDWATER ASSESSMENT

SWMU LOCATIONS, RFI SOIL AND CONCRETE SAMPLE POINTS, GWA MONITOR WELL LOCATIONS

REVISION: 8
PROJECT: 35092B007C
FIGURE 1-1



LEGEND:

- EXISTING PERMANENT MONITOR WELL OR PIEZOMETER LOCATION
- 85 — POTENTIOMETRIC CONTOUR (UPPERMOST AQUIFER)
- 120 — POTENTIOMETRIC CONTOUR PERCHED WATER TABLE IN NORTH POND AREA
- CREEK
- APPROXIMATE BOUNDARIES OF SOIL/CONCRETE INVESTIGATIONS
- ARSENIC CONTAMINATION FOUND WITHIN INVESTIGATED BOUNDARIES
- ARSENIC AND TOXAPHENE CONTAMINATION FOUND WITHIN INVESTIGATED BOUNDARIES
- SOIL/SLUDGE CONTAINING VOAs
- TOXAPHENE CONTAMINATION FOUND WITHIN INVESTIGATED BOUNDARIES
- DINOSEB AND TOXAPHENE CONTAMINATION FOUND WITHIN INVESTIGATED BOUNDARIES
- CONCENTRATION OF CONTAMINATION EXCEEDS VALUES IN MDEQ TIER 1 TRG TABLE

GENERAL DISCLAIMER:

THE SOIL SAMPLING DATA IS TOO VOLUMINUS TO MAP INDIVIDUAL DATA POINTS ON ONE MAP. THE DATA IS FOUND IN THE RFI REPORT. CONTAMINATION BOUNDARIES ARE APPROXIMATE.

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REV	DESCRIPTION OF REVISION	BY	DATE
4	AREAS OF CONTAMINATION WITH CONCENTRATION EXCEEDING TRG VALUES	PCG	11/01/01
3	SEDIMENT FROM WASTE WATER POND SETTLING INVESTIGATED	PCG	10/16/01
2	RFI COMPLETE	PCG	7/19/01
1	MODIFY CONTAMINATION AREA TO INCLUDE PORTION OF ATRAZINE WAREHOUSE & NORTH POND	PCG	7/18/00
	RELOCATE MW-18A/MW-18B, ADD MW-1C, PZ-26A/PZ-26B		

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SCALE: 1"=150'
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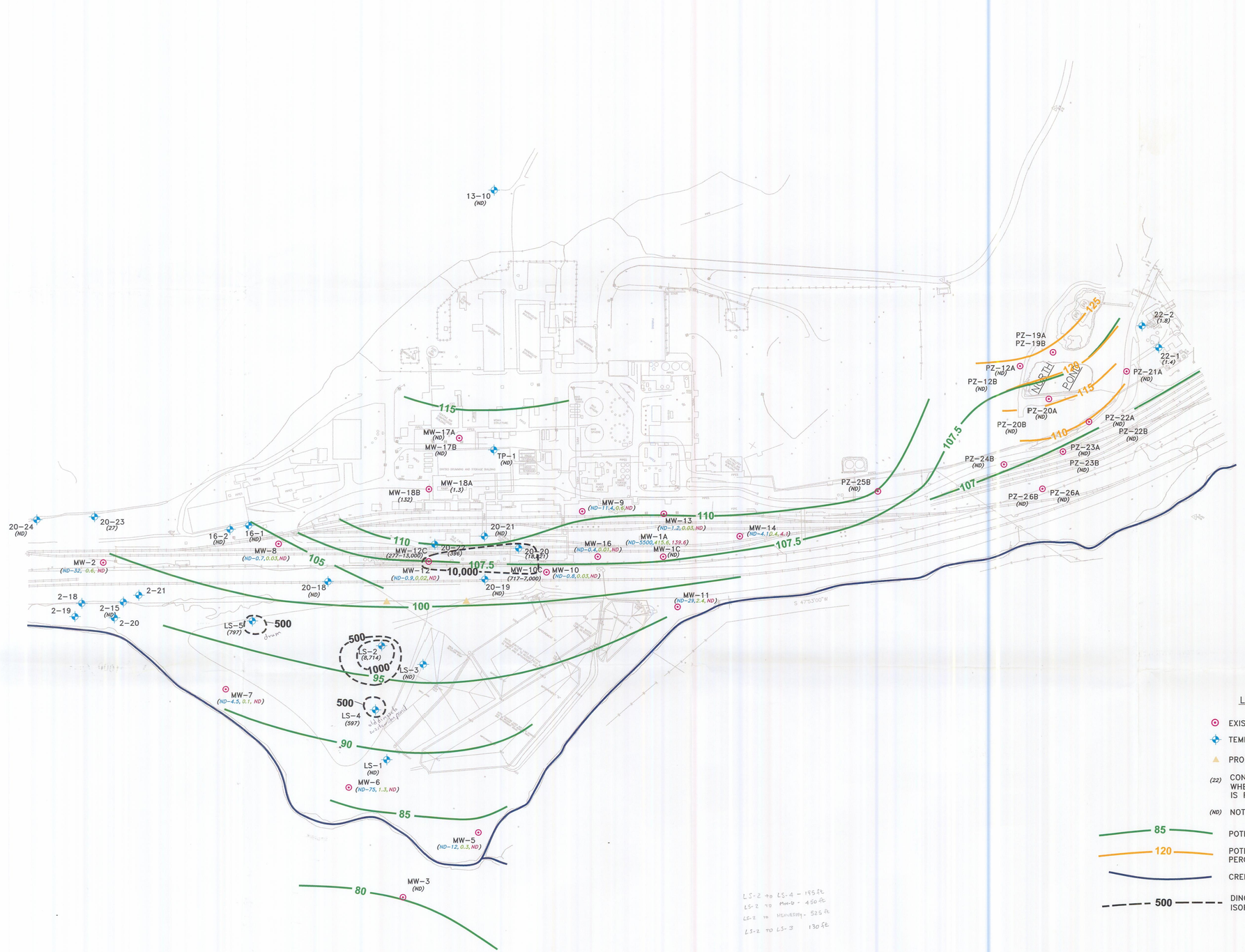
DRAWN: PCG
CHECKED:
PEER REVIEWED:
DATE: 11/01/01

CORRECTIVE MEASURES STUDY

SITE WIDE SOIL CONTAMINATION WITH AREAS OF CONTAMINATION GREATER THAN MDEQ TIER 1 TRG TABLE VALUES FOR RESTRICTED USE SHOWN

REVISION: 4
PROJECT: 92B007C
DRAWING: 2-1

DRAWING:



LEGEND:

- EXISTING MONITOR WELL OR PIEZOMETER LOCATION
- TEMPORARY GROUNDWATER MONITORING WELL
- PROPOSED WELL FOR NATURAL ATTENUATION MONITORING
- (22) CONCENTRATIONS OF DINOSEB IN GROUNDWATER ug/l WHERE MULTIPLE ANALYSES ARE AVAILABLE THE CONCENTRATION IS RECORDED AS (RANGE, AVERAGE, JUNE 2001 CONCENTRATIONS)
- (ND) NOT DETECTED
- 85 — POTENTIOMETRIC CONTOUR (UPPERMOST AQUIFER)
- 120 — POTENTIOMETRIC CONTOUR PERCHED WATER TABLE IN NORTH POND AREA
- CREEK
- 500 — DINOSEB CONCENTRATION IN GROUNDWATER ISOPLETHS (ppb)

K:\CEDAR\92B007C\03007\92B007C7.DWG

REV	DESCRIPTION OF REVISION	BY	DATE
1	PLUME AT RAILROAD AREA MODIFIED	PCG	11/14/01

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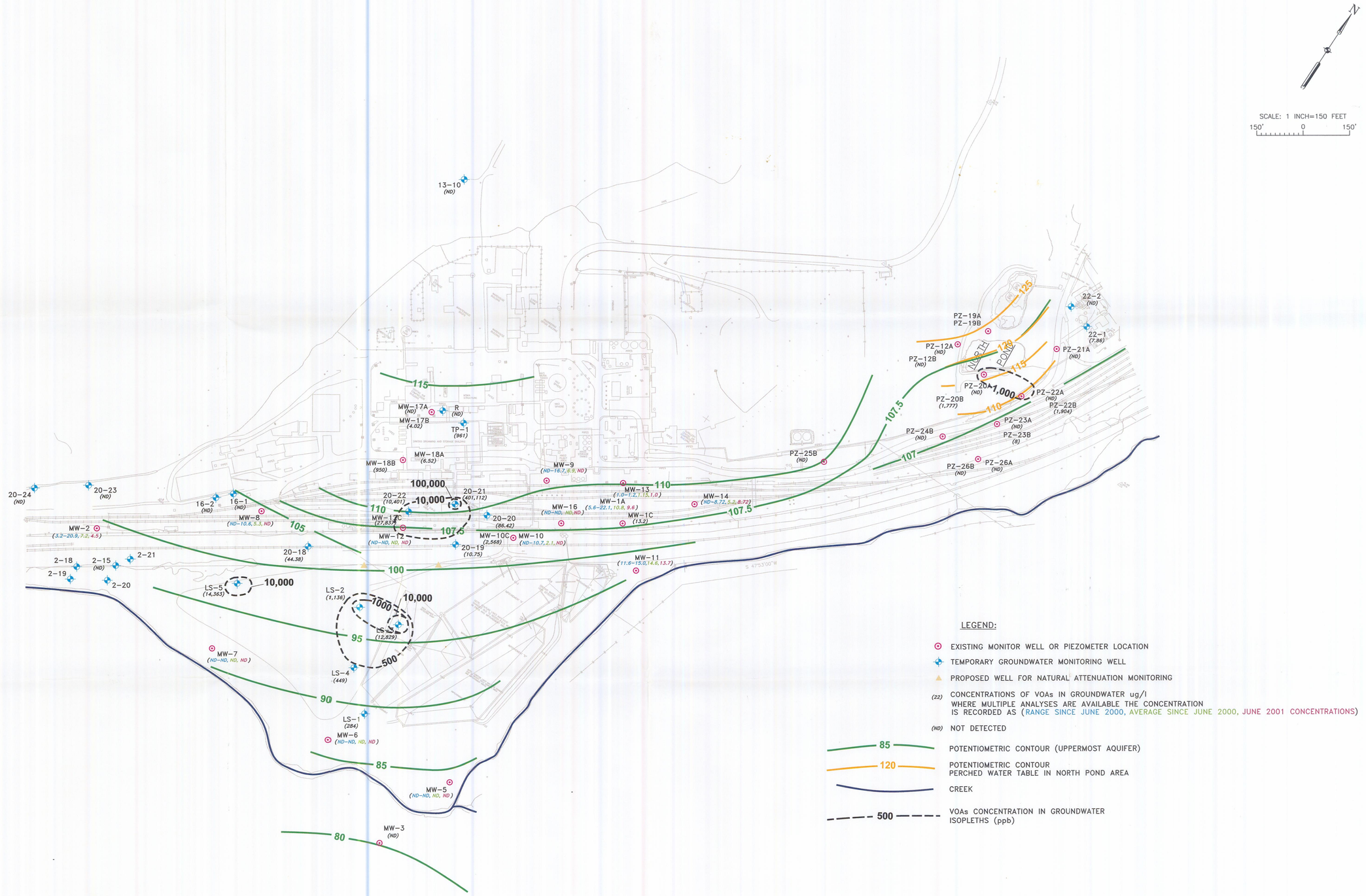
REFERENCE DRAWINGS:

SCALE: 1"=150'
DESIGNED:
DRAWN: PCG
CHECKED:
PEER REVIEWED:
DATE: 7/17/01

CORRECTIVE MEASURES STUDY

OVERVIEW OF SITE WIDE DINOSEB GROUNDWATER CONTAMINATION

REVISION: 1
PROJECT: 92B007C
DRAWING: 2-2



K:\CEDAR\92B007C\0300\92B07C7.DWG (VOA)

REV	DESCRIPTION OF REVISION	BY	DATE
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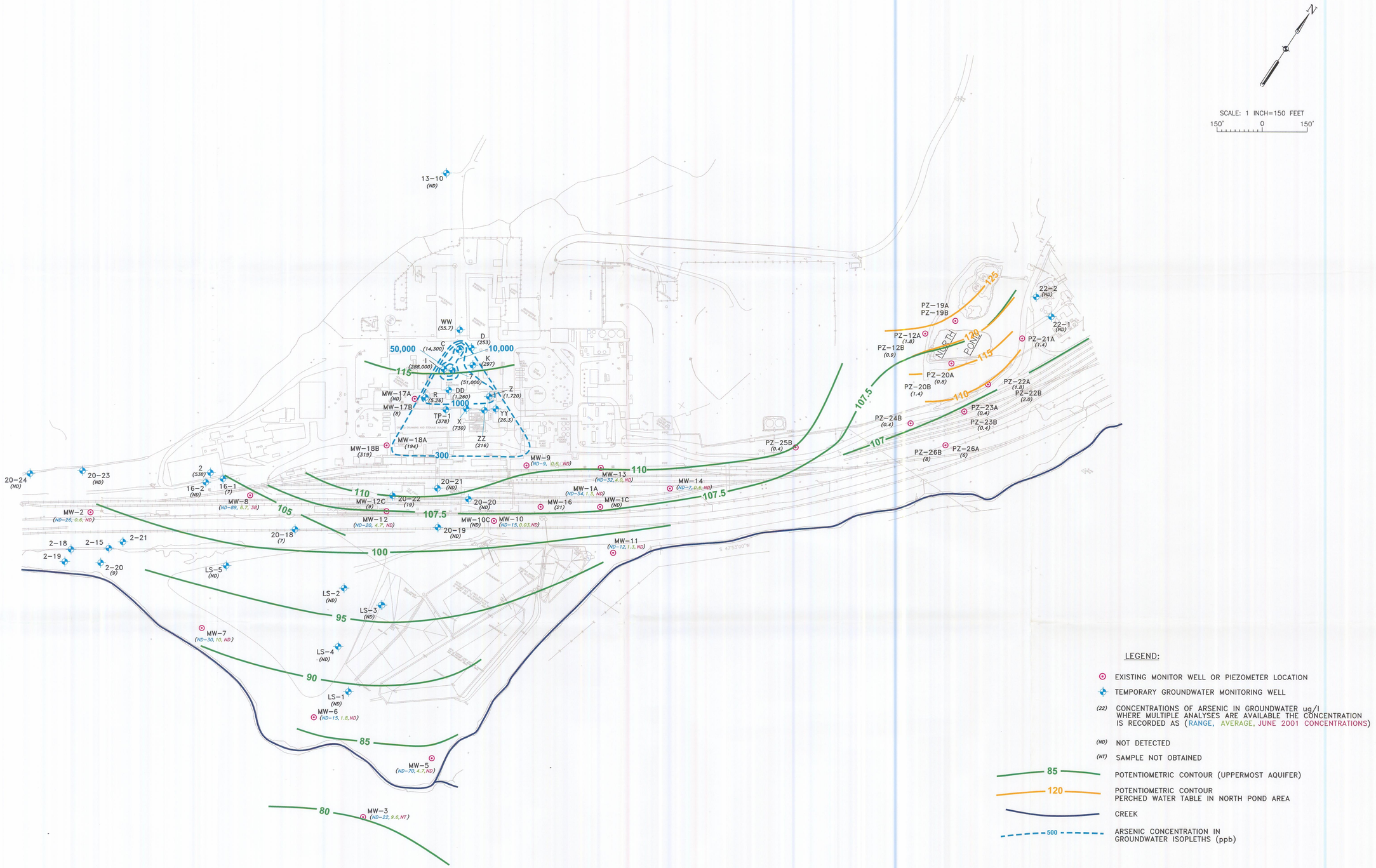
REFERENCE DRAWINGS

SCALE: 1"=150'
DESIGNED:
DRAWN: PCG
CHECKED:
PEER REVIEWED:
DATE: 7/17/01

CORRECTIVE MEASURES STUDY

OVERVIEW OF SITE WIDE VOAs
GROUNDWATER CONTAMINATION

REVISION: △
PROJECT: 92B007C
DRAWING: 2-3



K:\CEDAR\03013\03013-92B007CBASE2.DWG (ARSENIC CONCENTRATIONS)

REV	DESCRIPTION OF REVISION	BY	DATE
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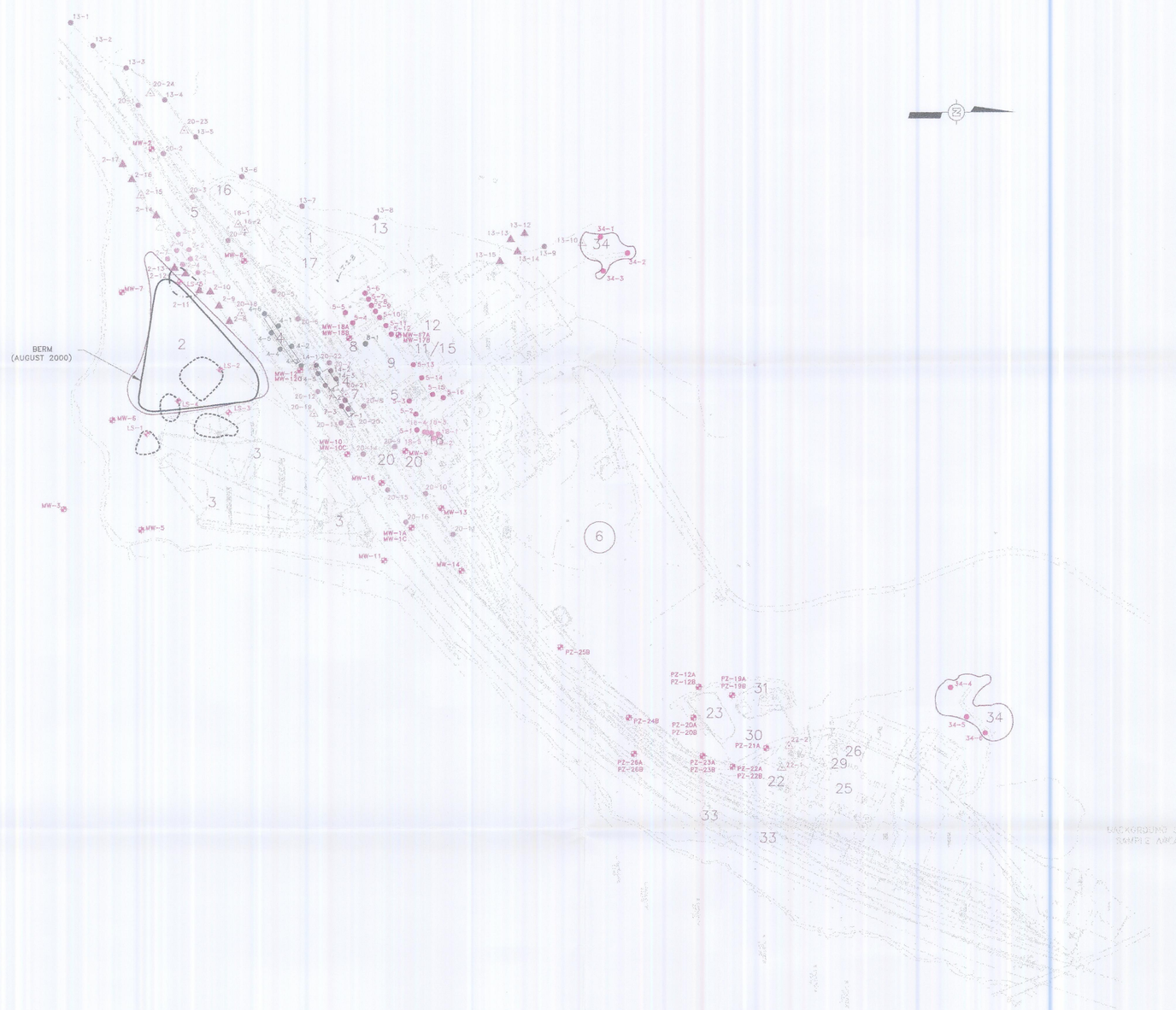
CHECKED:
PEER REVIEWED:
DATE: 7/17/01

CORRECTIVE MEASURES STUDY

OVERVIEW OF SITE WIDE ARSENIC GROUNDWATER CONTAMINATION

REVISION: △
PROJECT: 92B007C
DRAWING: 2-4



SWMU NUMBER	SOUTH PLANT
1	CONTAINER (DRUM) STORAGE AREA
2	INACTIVE LANDFILL
3	SURFACE IMPOUNDMENT (SOUTH PLANT)
4	ACTIVATED CARBON TREATMENT UNITS
5	SOUTH PLANT DRAINAGE SYSTEMS
6	WASTEWATER STORAGE (HILL) TANKS
7	FORMER DINOSEB PRODUCTION AREA
8	DINOSEB LOADING/UNLOADING AREA
9	DINOSEB DRUMMING AREA
11	FORMER MSMA PRODUCTION AREA
12	FORMER MSMA SALT UNLOADING AREA
13	SOUTH PLANT DRAINAGE DITCHES
14	FORMER TOXAPHENE PRODUCTION AREA
15	FORMER METHYL PARATHION PRODUCTION AREA
16	FORMER ATRAZINE PRODUCTION AREA
17	RETURNED PRODUCT STORAGE AREA
18	FORMER BLUE TANK AREA
20	RAILROAD CAR UNLOADING STATION

	NORTH PLANT
22	NORTH PLANT NEUTRALIZATION SYSTEM
23	EQUALIZATION/NEUTRALIZATION POND (NORTH POND)
25	NORTH PLANT WASTEWATER PIPES
26	C-10 SCRUBBER
29	OIL COLLECTION UNIT
30	NORTH PLANT WASTE OIL ACCUMULATION AREA
31	NO. 6 FUEL OIL AREA
33	NORTH PLANT DRAINAGE DITCHES

	BOTH PLANTS
34	SURPLUS EQUIPMENT STORAGE (JUNKYARD)

LEGEND

- DEEP BORINGS LS-1, LS-2, LS-3, LS-4, LS-5
- BORINGS FOR SOIL SAMPLES AND CHEMICAL ANALYSIS
- PERMANENT MONITOR WELLS AND PIEZOMETERS
- PHASE II (MAY 2001) BORINGS TO GROUNDWATER (3 SOIL & 1 GROUNDWATER SAMPLE PER BORING)
- PHASE II (MAY 2001) SOIL SAMPLE (0.5-1.0 FOOT)
- CLOSED PONDS & CLOSED LANDFILLS

NOTES:

1) SEE FIGURE 2 FOR MAGNIFIED VIEW OF SWMU 4, 7, & 14 AREA
2) SEE FIGURES 3 & 4 FOR COMPOSITE SURFACE SOIL AND SOIL PILE SAMPLING LOCATIONS

SCALE
200 0 200 400 FEET

REV	DESCRIPTION OF REVISION	BY	DATE
8	AS EXECUTED THROUGH MAY 2001	PCG	7/19/01
7	MODIFY PER SURFACE SOIL & SOIL PILE COMPOSITE SAMPLING RESULTS	PCG	3/9/01
6	MODIFY PER REVISED TOXAPHENE, DINOSEB AND ATRAZINE ANALYSES	PCG	1/18/01
5	ADD PHASE II BORINGS	PCG	12/14/00
4	ADD MW-16C AND REMOVE MW-1C	PCG	11/3/00
3	SHOW RFI INVESTIGATION OCTOBER 2000	PCG	10/20/00
2	SHOW SWMU 2 INVESTIGATION AUGUST 2000	PCG	8/11/00
1	SHOW NORTH POND WELLS; RELOCATE MW-18A/MW-18B, ADD MW-1C, PZ-26A/PZ-26B	PCG	7/18/00

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DESIGNED:
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DATE: 7/20/01

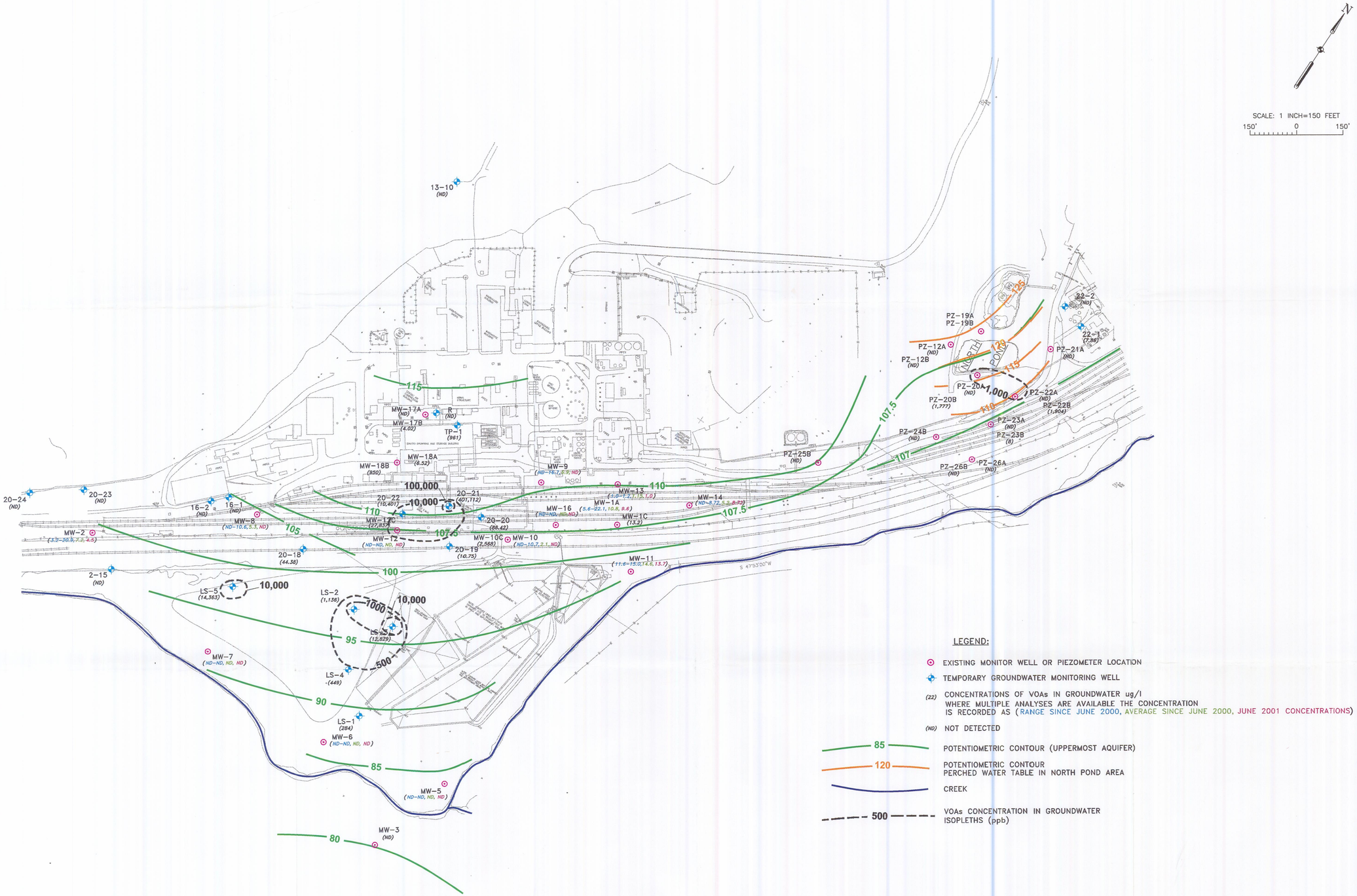
RCRA FACILITY INVESTIGATION
(AS EXECUTED)

SWMU LOCATIONS, RFI SOIL AND CONCRETE SAMPLE POINTS, GWA MONITOR WELL LOCATIONS

REVISION: 8
PROJECT: 35092B007C
FIGURE 1

K:\CADD\V0400A\V8B007C2.DWG (SWMU LOCATIONS-RFI)

DRAWING:



LEGEND:

- EXISTING MONITOR WELL OR PIEZOMETER LOCATION
- TEMPORARY GROUNDWATER MONITORING WELL
- (22) CONCENTRATIONS OF VOAs IN GROUNDWATER ug/l WHERE MULTIPLE ANALYSES ARE AVAILABLE THE CONCENTRATION IS RECORDED AS (RANGE SINCE JUNE 2000, AVERAGE SINCE JUNE 2000, JUNE 2001 CONCENTRATIONS)
- (ND) NOT DETECTED
- 85 — POTENTIOMETRIC CONTOUR (UPPERMOST AQUIFER)
- 120 — POTENTIOMETRIC CONTOUR PERCHED WATER TABLE IN NORTH POND AREA
- CREEK
- 500 — VOAs CONCENTRATION IN GROUNDWATER ISOPLETHS (ppb)

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REV	DESCRIPTION OF REVISION	BY	DATE
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REFERENCE DRAWINGS

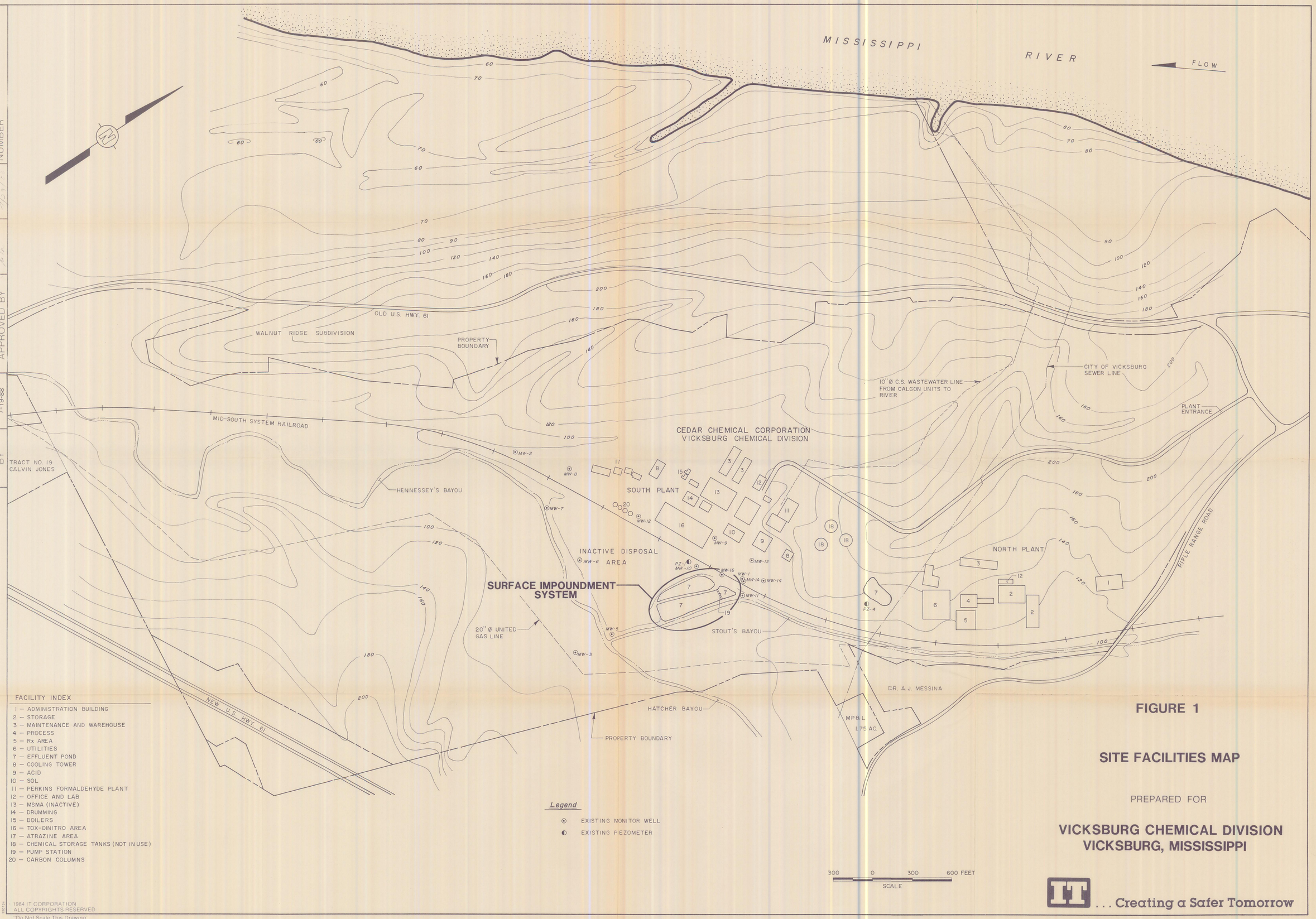
SCALE: 1"=150'
DESIGNED:
DRAWN: PCG
CHECKED:
PEER REVIEWED:
DATE: 7/17/01

RFI REPORT

OVERVIEW OF SITE WIDE VOAs GROUNDWATER CONTAMINATION

REVISION: △
PROJECT: 35092B007C
DRAWING: 18-4

DRAWN BY	C. LeBlanc 7-19-88	CHECKED BY	CJR 7-22-88	DRAWING NUMBER	435361-E1
		APPROVED BY			



FACILITY INDEX

1 — ADMINISTRATION BUILDING
2 — STORAGE
3 — MAINTENANCE AND WAREHOUSE
4 — PROCESS
5 — Rx AREA
6 — UTILITIES
7 — EFFLUENT POND
8 — COOLING TOWER
9 — ACID
10 — SOL
11 — PERKINS FORMALDEHYDE PLANT
12 — OFFICE AND LAB
13 — MSMA (INACTIVE)
14 — DRUMMING
15 — BOILERS
16 — TOX-DINITRO AREA
17 — ATRAZINE AREA
18 — CHEMICAL STORAGE TANKS (NOT IN USE)
19 — PUMP STATION
20 — CARBON COLUMNS

Legend

⊙ EXISTING MONITOR WELL
◐ EXISTING PIEZOMETER

FIGURE 1

SITE FACILITIES MAP

PREPARED FOR

VICKSBURG CHEMICAL DIVISION
VICKSBURG, MISSISSIPPI

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"Do Not Scale This Drawing"

SWMU NUMBER	SOUTH PLANT
1	CONTAINER (DRUM) STORAGE AREA
2	INACTIVE LANDFILL
3	SURFACE IMPOUNDMENT (SOUTH PLANT)
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NOTES:

1) SEE FIGURE 2 FOR MAGNIFIED VIEW OF SWMU 4, 7, & 14 AREA
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SCALE
200 0 200 400 FEET

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REFERENCE DRAWINGS

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DRAWN: PCG
CHECKED: RDK
PEER REVIEWED:
DATE: 7/20/01

RCRA FACILITY INVESTIGATION
(AS EXECUTED)

SWMU LOCATIONS, RFI SOIL AND CONCRETE SAMPLE POINTS, GWA MONITOR WELL LOCATIONS

REVISION: 8
PROJECT: 35092B007C
FIGURE: 1