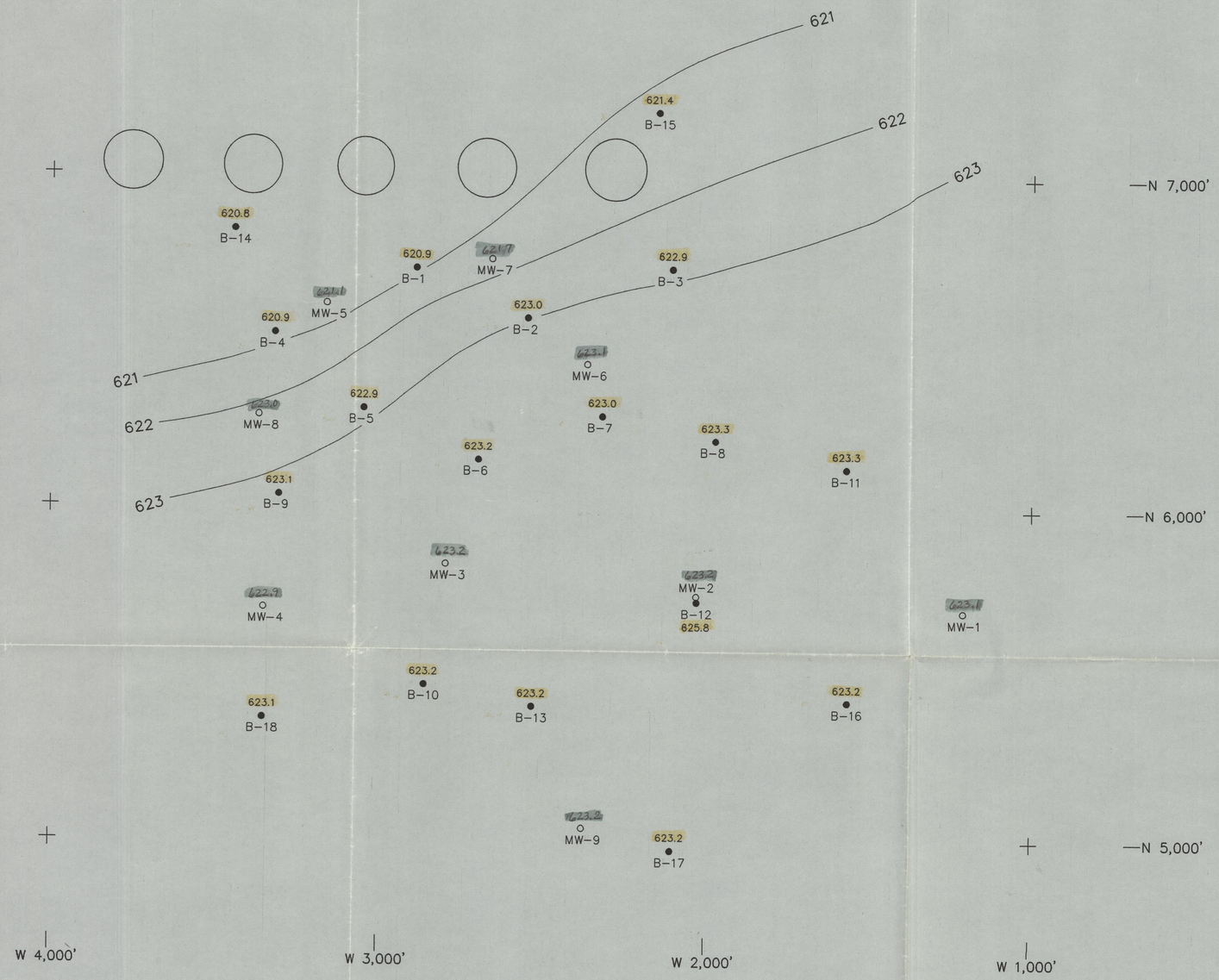


DRAFT

LEGEND

STORAGE TANKS

623.1
MW-1
EXISTING MONITOR WELL

620.9 WATER LEVEL ELEVATION
B-1
BEDROCK BORING AND PIEZOMETER

621
WATER LEVEL ELEVATION CONTOUR
MEAN SEA LEVEL DATUM
CONTOUR INTERVAL = 1 FT.

N 5,000'

W 1,000'
PLANT COORDINATES

US EPA RECORDS CENTER REGION 5
10004464

200 0 200 400
SCALE IN FEET
1" = 200'-0"

ERT
A RESOURCE ENGINEERING COMPANY

UNOCAL CHICAGO REFINERY
LAND TREATMENT FACILITY

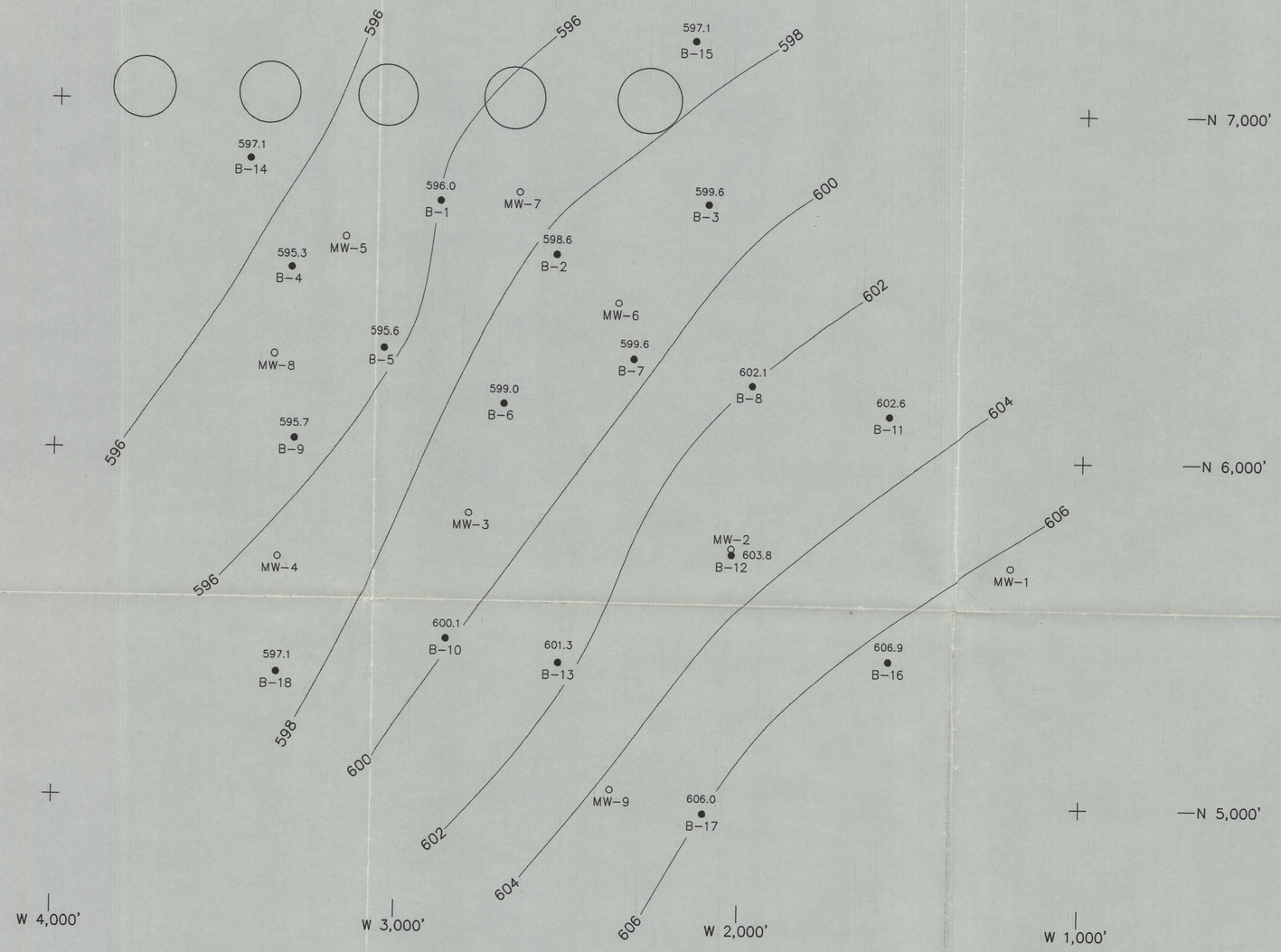
POTENTIOMETRIC SURFACE MAP

"UPPERMOST AQUIFER"--SILURIAN DOLOMITE
FEBRUARY 17 AND 18, 1988

DRAWN BY: N.L.J.	DATE: 2/19/88	PROJ. NO. 6940-006
CHK'D BY: G.V.S.	REVISED:	DWG.NO.:

6940002D

DRAFT



LEGEND

STORAGE TANKS

MW-1
EXISTING MONITOR WELL

602.1 BEDROCK ELEVATION
B-1
BEDROCK BORING AND PIEZOMETER

600
BEDROCK ELEVATION CONTOUR
MEAN SEA LEVEL DATUM
CONTOUR INTERVAL = 2 FT.

N 5,000'
W 1,000'
PLANT COORDINATES

200 0 200 400
SCALE IN FEET
1" = 200'-0"

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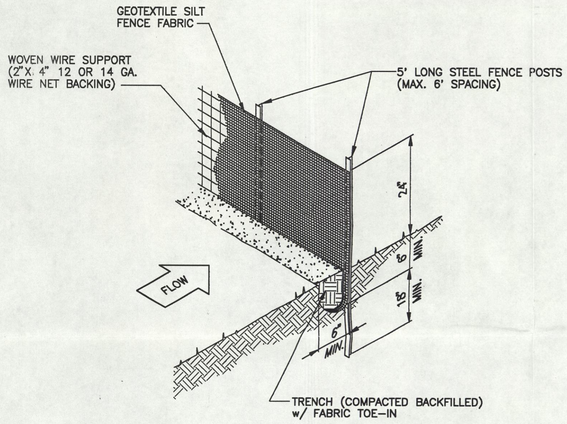
A RESOURCE ENGINEERING COMPANY

UNOCAL CHICAGO REFINERY
LAND TRERATMENT FACILITY
TOP OF BEDROCK
CONTOUR MAP

DRAWN BY: C.L.W.	DATE: 2/19/88	PROJECT NO: 6940-006
CHK'D BY: G.V.S.	REVISED:	DWG.NO.:

6940001D

DRAWING NUMBER C-2

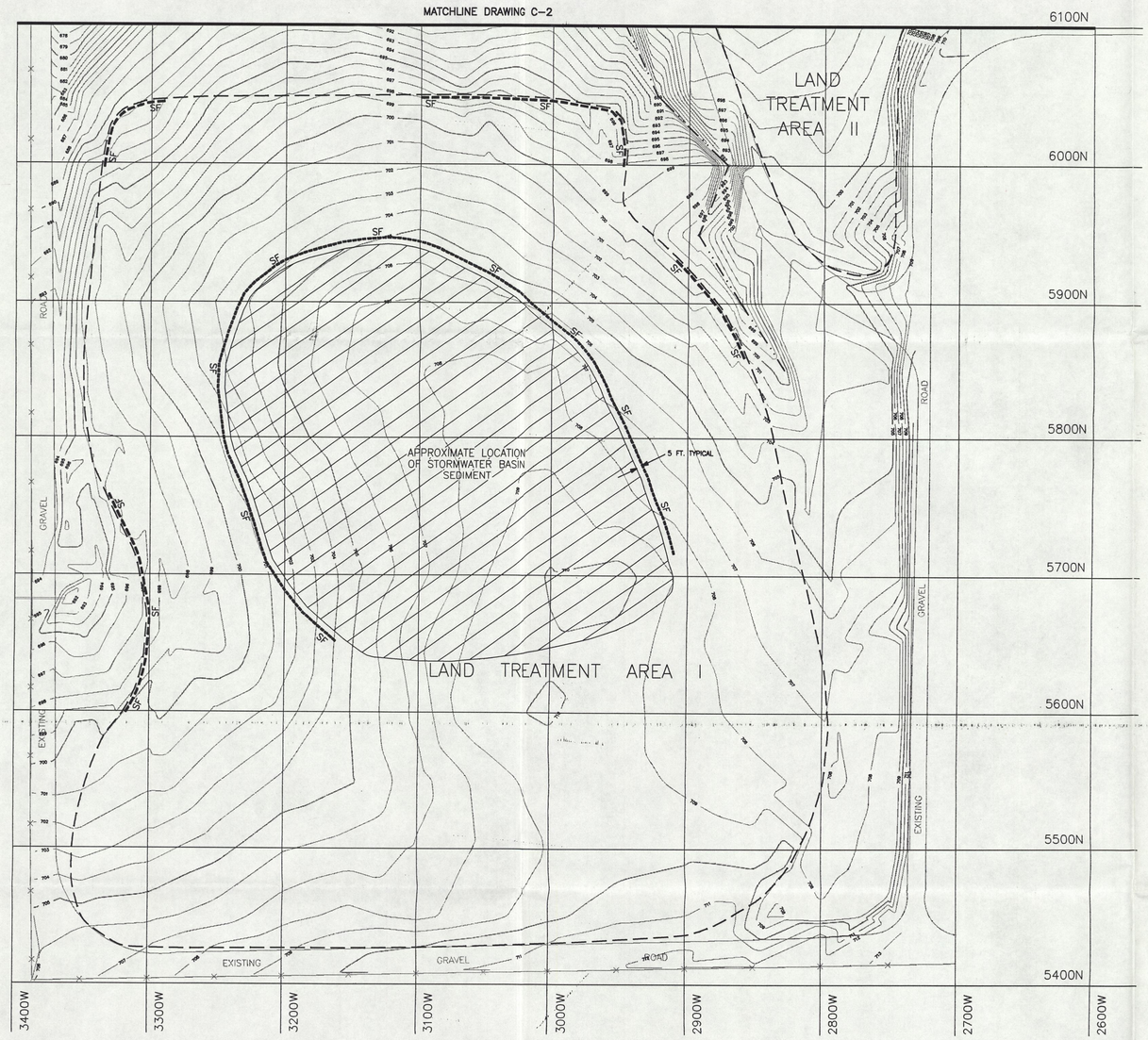


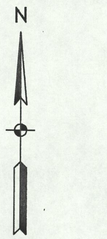
1 / C-1 C-2 WIRE REINFORCED SILT FENCE

N.T.S.

DETAIL NOTES:

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE IMBEDDED A MINIMUM OF 2.0 FEET.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OF MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF THE FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT) WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILLSIDE TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POSTS OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.





0 25 50 75 100
SCALE IN FEET

LEGEND:

- EXISTING CONTOUR
- EXISTING FENCE AND PROPOSED CAMU BOUNDARY
- EXISTING INTERMITTENT STREAM
- APPROXIMATE LIMITS OF EXISTING LANDFARM AREA
- SF — PROPOSED WIRE REINFORCED SILT FENCE (SEE DETAIL 1 THIS PAGE)
- SF — PROPOSED PREFABRICATED SILT FENCE (SEE NOTE 3)

NOTES:

1. TOPOGRAPHIC SURVEY PROVIDED BY *BELING CONSULTANTS, JOLIET, ILLINOIS*, AUGUST, 1993.
2. SILT FENCE LOCATIONS ARE APPROXIMATE. FIELD SITING JUDGEMENTS WILL BE USED AS NECESSARY TO ENSURE PROPER FUNCTION.
3. PREFABRICATED SILT FENCE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
4. INSPECTION OF ALL SILT FENCES SHALL BE MADE MONTHLY OR AFTER EACH SIGNIFICANT RAINFALL EVENT, AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE REAPPLIED TO THE LAND TREATMENT AREA FROM WHICH IT WAS COLLECTED IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

RADIAN INTERNATIONAL LLC

REV	DATE	PROJ. NO.	DESCRIPTION	APPR'D
0	00/00/00	PROJNO	DESCRIPTION	APPR

THIS IS A CAD DRAWING AND MUST NOT BE ALTERED MANUALLY

NOTICE

THIS DRAWING IS THE PROPERTY OF UNO-VEN COMPANY AND IS LENT WITHOUT CONSIDERATION OTHER THAN THE BORROWER'S AGREEMENT THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT, OR DISPOSED OF DIRECTLY OR INDIRECTLY NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SPECIFICALLY FURNISHED.

ISSUED FOR APPROVAL — BY — DATE
ISSUED FOR CONSTRUCTION — BY — DATE

UNO-VEN PROJ. # — UNO-VEN AFE # — CONTRACTOR PROJ. #

DESIGNED DBS — DRAWN SLC — REVIEWED MAR — APPROVED

LEMONT **UNO-VEN** Products ILLINOIS

UNO-VEN REFINERY
LAND TREATMENT FACILITY
INTERIM DRAINAGE CONTROL MEASURES

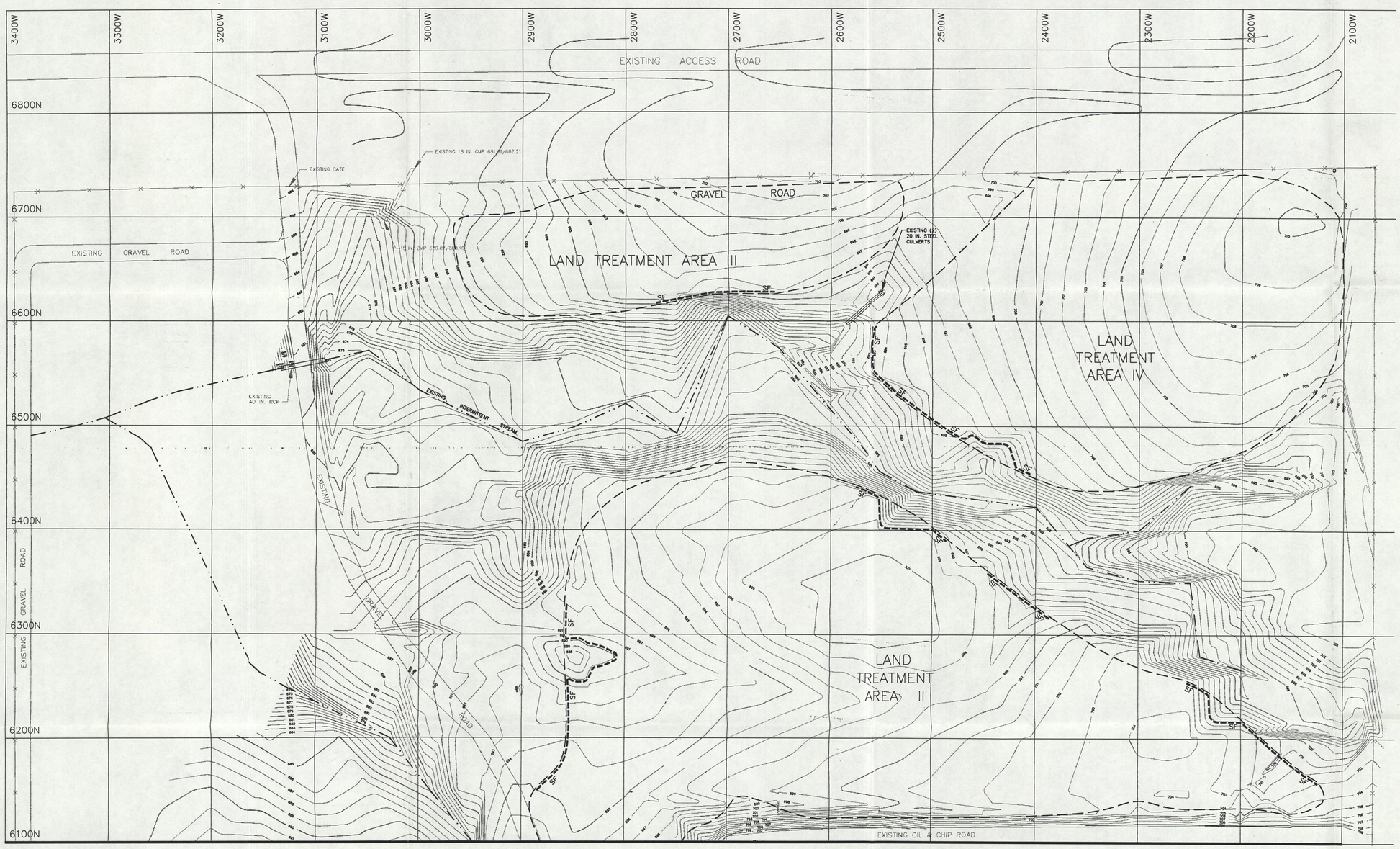
LAND TREATMENT FACILITY — UNIT 131

SCALE 1" = 50' — DATE 04/17/97 — DRAWING NUMBER C-2 — REVISION 0

RECEIVED MAY 15 1997 ILLINOIS EPA DRAINAGE PERMIT SECTION

CADD DWG. No. : 0000 — ORIGINAL DWG. No. : D2390E

DRAWING NUMBER C-1



MATCHLINE DRAWING C-3

N

0 25 50 75 100
SCALE IN FEET

LEGEND:

- EXISTING CONTOUR
- EXISTING FENCE AND PROPOSED CAMU BOUNDARY
- EXISTING INTERMITTENT STREAM
- APPROXIMATE LIMITS OF EXISTING LANDFARM AREA
- SF — PROPOSED WIRE REINFORCED SILT FENCE (SEE DETAIL 1, SHEET C-2)

NOTES:

1. TOPOGRAPHIC SURVEY PROVIDED BY BELING CONSULTANTS, JOLIET, ILLINOIS, AUGUST 1993.
2. SILT FENCE LOCATIONS ARE APPROXIMATE. FIELD SITING JUDGEMENTS WILL BE USED AS NECESSARY TO ENSURE PROPER FUNCTION.
3. INSPECTION OF ALL SILT FENCES SHALL BE MADE MONTHLY OR AFTER EACH SIGNIFICANT RAINFALL EVENT, AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
4. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE REAPPLIED TO THE LAND TREATMENT AREA FROM WHICH IT WAS COLLECTED IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

RECEIVED
MAY 15 1997
IEPA-BOL
PERMIT SECTION

RADIAN INTERNATIONAL LLC

REV	DATE	PROJ. NO.	DESCRIPTION	APPR'D
0	00/00/00	PROJNO	DESCRIPTION	APPR

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NOTICE
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ISSUED FOR APPROVAL		ISSUED FOR CONSTRUCTION	
BY	DATE	BY	DATE
UNO-VEN PROJ. #	UNO-VEN AFE #	CONTRACTOR PROJ. #	
DESIGNED DBS	DRAWN SLC	REVIEWED MAR	APPROVED

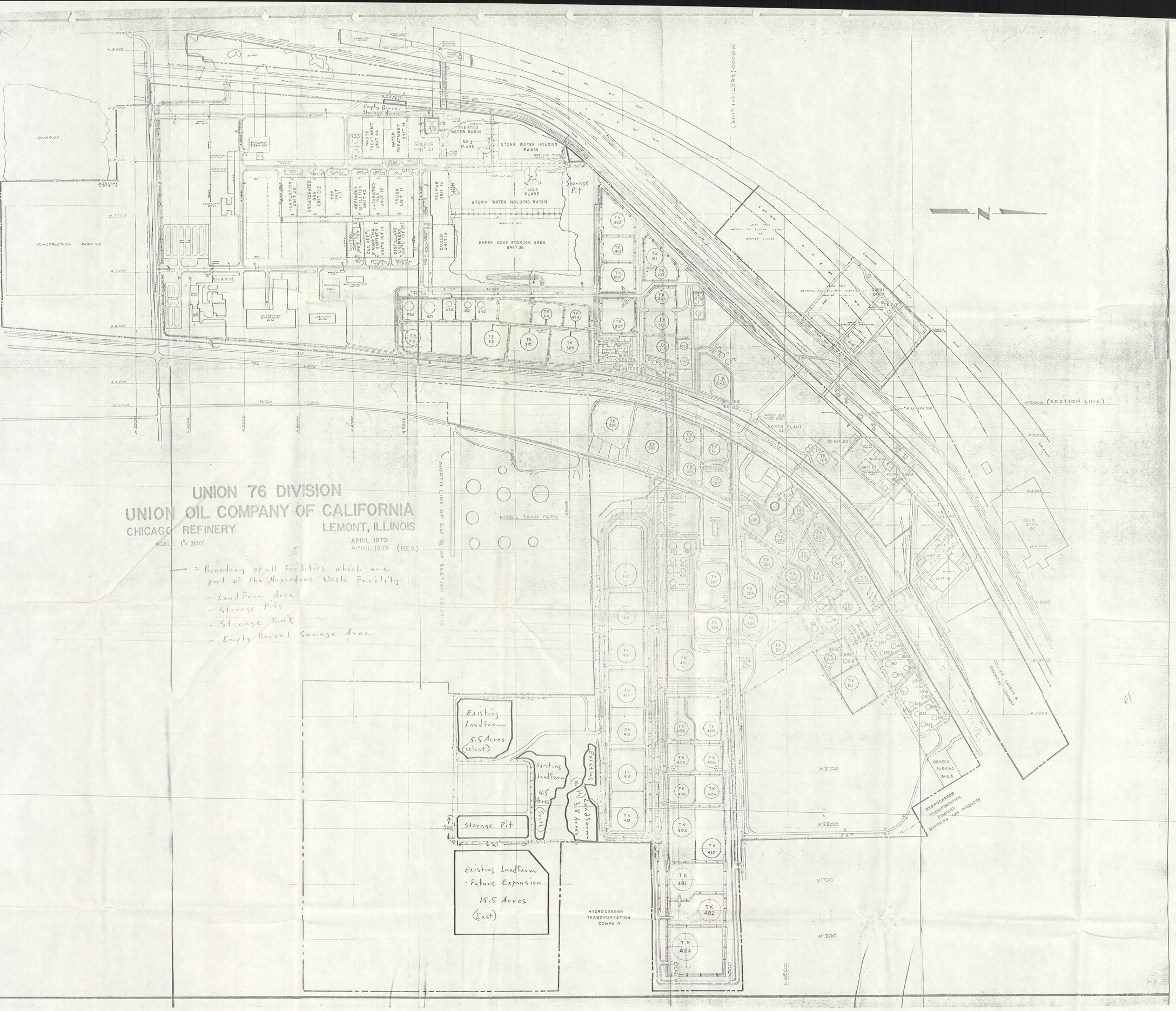
LEMONT UNO-VEN Products ILLINOIS

UNO-VEN REFINERY
LAND TREATMENT FACILITY
INTERIM DRAINAGE CONTROL MEASURES

LAND TREATMENT FACILITY UNIT 131

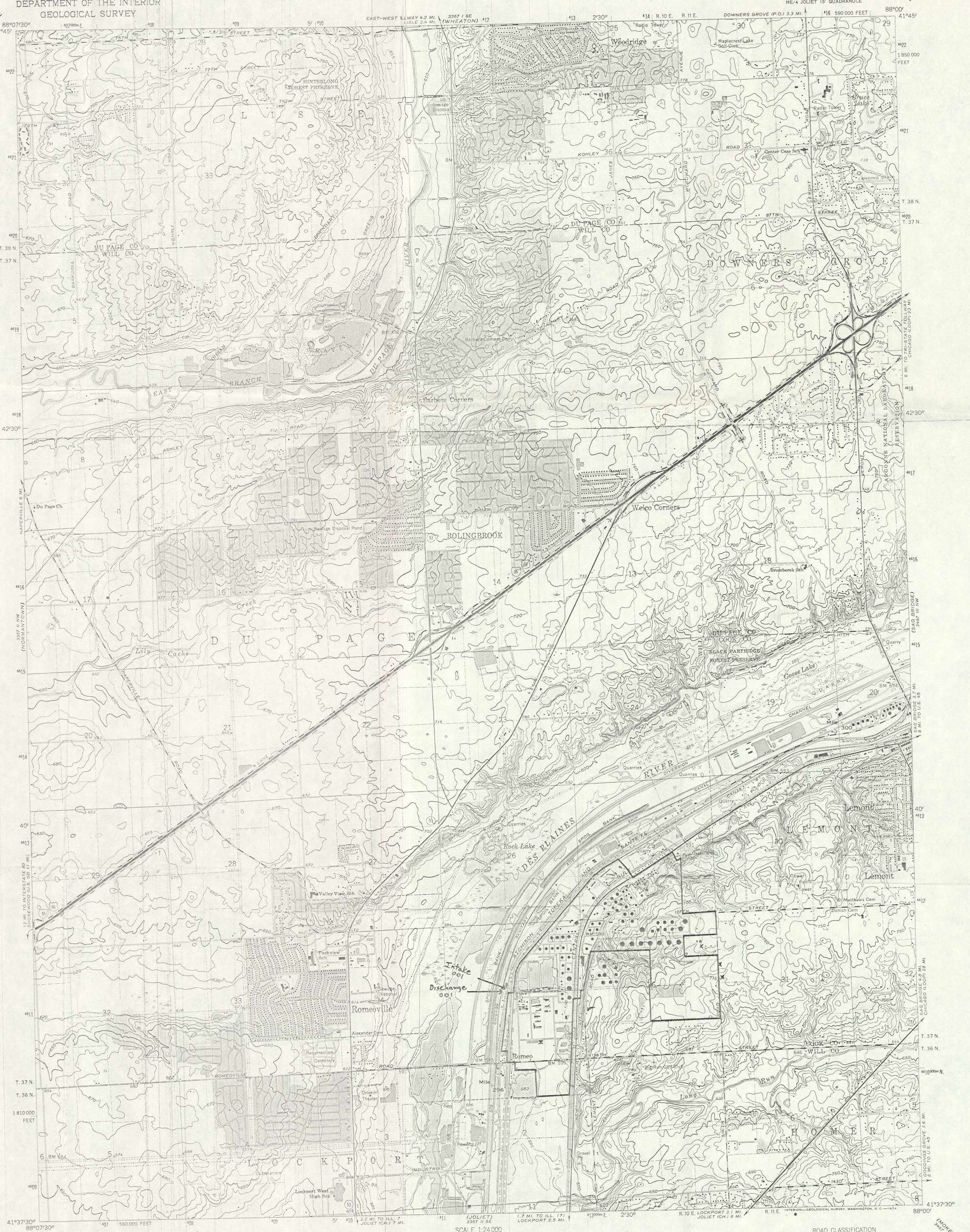
SCALE	DRAWING NUMBER	REVISION
1' = 50'	C-1	0
DATE 4/17/97		

CADD DWG. No. : 0000 ORIGINAL DWG. No. : D23900


UNION 76 DIVISION
UNION OIL COMPANY OF CALIFORNIA
CHICAGO REFINERY
LEMONT, ILLINOIS
SCALE 1" = 300'
APRIL 1970
APRIL 1979 (REV.)
— = Boundary of all Facilities which are part of the Hazardous Waste Facility
- Land Farm Area
- Storage Pits
- Storage Tank
- Empty Barrel Sorage Area
Existing Landfarm 5.5 Acres (West)
Existing Landfarm 4.5 Acres (South)
Existing Landfarm 3.8 Acres (North)
Storage Pit
200'
650'
Existing Landfarm - Future Expansion 15.5 Acres (East)
HYDRO CARBON TRANSPORTATION COMPANY
MOBIL TANK FARM
NORTH LINE OF S.W. ¼ OF SECTION 26-37-10
N 8000 (SECTION LINE)
W 5000 (SECTION LINE)
QUARRY
CONSTRUCTION PARKING
HIGH ROAD
Empty Barrel Storage Area
WASTE TREATMENT UNIT 44
WATER TREATMENT UNIT 41
SULFUR UNIT 21
TREATED WATER BASIN
NO. 3 FLARE
STORM WATER HOLDING BASIN
Storage Pit
NO. 2 FLARE
STORM WATER HOLDING BASIN
GREEN COKE STORAGE AREA UNIT 36
ALKYLATION UNIT 22
UNSATURATED GAS UNIT 212
FCC UNIT 112
REFINERY UTILITIES UNIT 43
SATURATED GAS UNIT 17
CRUDE UNIT 11
SULFUR UNIT 19
COKER UNIT 15
BLEND UNIT 27
CANAL DOCK
NORTH PLANT GATE
CO BOILER
UNIT 23
PETRO CHEM BOILER
NO. 1 FLARE
UNIT 22
UNIT 18
CECO STEEL CO
COLLEGE CARBON & CHEMICAL COMPANY
SENECA PARKING AREA
HYDROCARBON TRANSPORTATION COMPANY
NORTHERN GAS PRODUCTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ROMEOVILLE QUADRANGLE
ILLINOIS
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 JOLIET 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1952 and planetable surveys 1953–54. Revised from aerial photographs taken 1962. Field checked 1962

Polyconic projection. 1927 North American datum
10,000-foot grid based on Illinois coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 16, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

Revisions shown in purple compiled from aerial photographs taken 1973. This information not field checked

Purple tint indicates extension of urban areas

MN GN 0°42' 13 MILS 1½° 27 MILS
UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SLE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
AND B THE STATE GEOLOGICAL SURVEY, URBANA, ILLINOIS 61801
A FOLDER DECRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

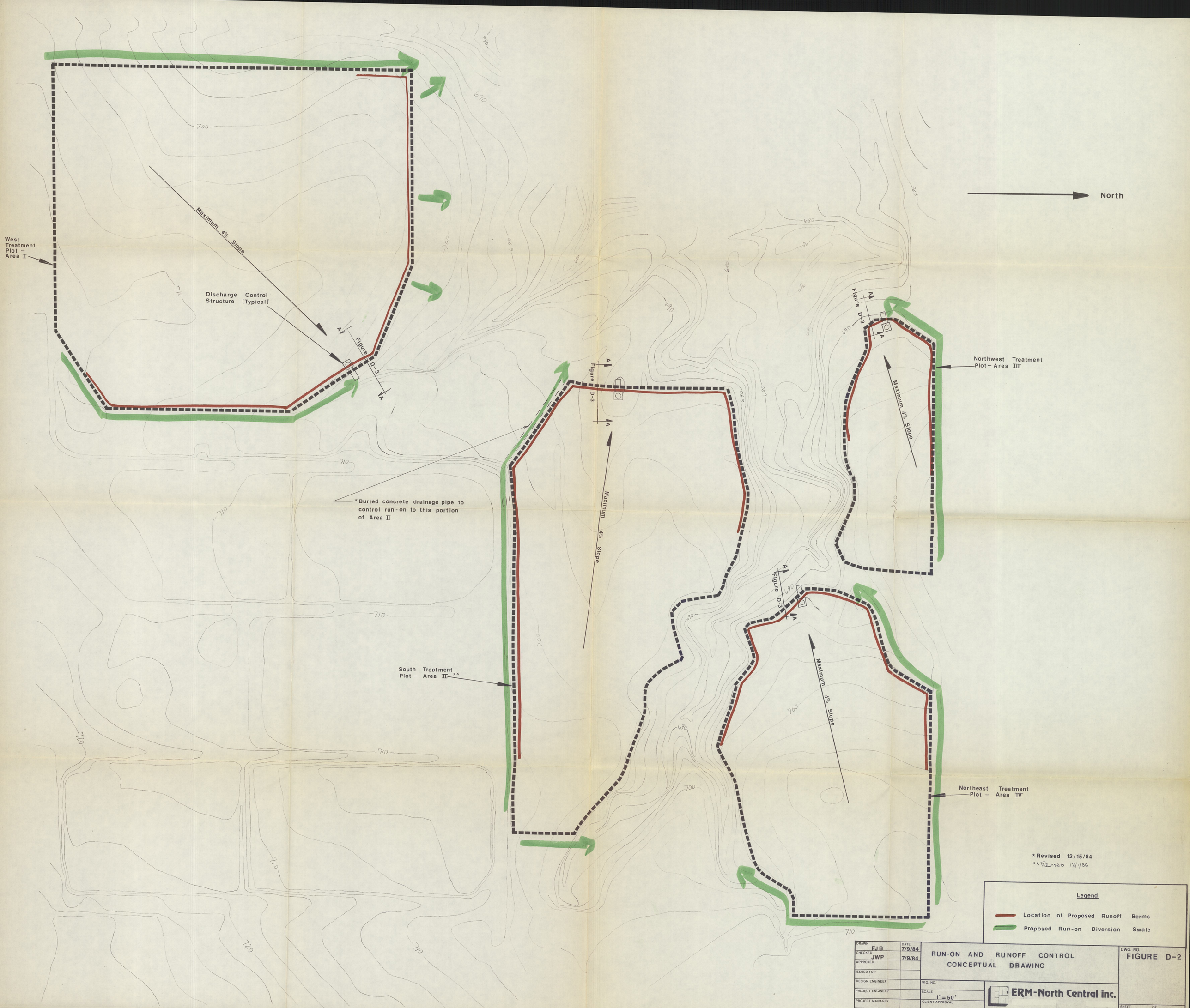
QUADRANGLE LOCATION

— = Property Boundary
X = Drinking Water Well

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
Interstate Route — U.S. Route — State Route

ROMEOVILLE, ILL.
NE/4 JOLIET 15' QUADRANGLE
N4137.5—W8800/7.5

1962
PHOTOREVISED 1973
AMS 3367 II NE-SERIES V863



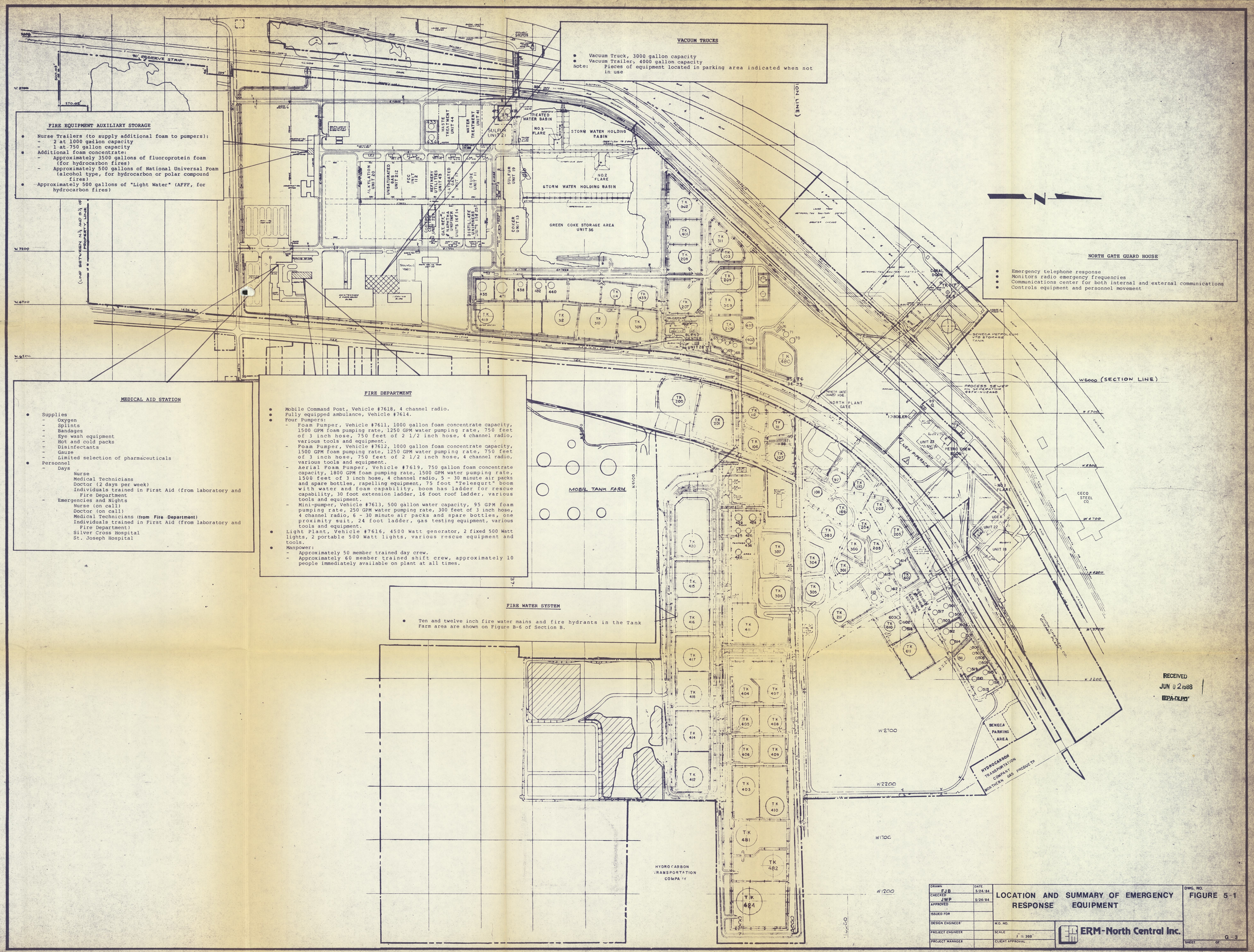
*Revised 12/15/84
xx Revised 12/1/85

Legend

Location of Proposed Runoff Berms

Proposed Run-on Diversion Swale

DRAWN FJB	DATE 7/9/84	RUN-ON AND RUNOFF CONTROL CONCEPTUAL DRAWING	DWG. NO. FIGURE D-2
CHECKED JWP	7/9/84		
APPROVED			
ISSUED FOR			
DESIGN ENGINEER		W.O. NO.	
PROJECT ENGINEER		SCALE 1" = 50'	ERM-North Central inc.
PROJECT MANAGER		CLIENT APPROVAL	SHEET OF



VACUUM TRUCKS

- Vacuum Truck, 3000 gallon capacity
- Vacuum Trailer, 4000 gallon capacity

Note: Pieces of equipment located in parking area indicated when not in use

FIRE EQUIPMENT AUXILIARY STORAGE

- Nurse Trailers (to supply additional foam to pumpers):
  - 2 at 1000 gallon capacity
  - 1 at 750 gallon capacity
- Additional foam concentrate:
  - Approximately 3500 gallons of fluoroprotein foam (for hydrocarbon fires)
  - Approximately 500 gallons of National Universal Foam (alcohol type, for hydrocarbon or polar compound fires)
- Approximately 500 gallons of "Light Water" (AFFF, for hydrocarbon fires)

NORTH GATE GUARD HOUSE

- Emergency telephone response
- Monitors radio emergency frequencies
- Communications center for both internal and external communications
- Controls equipment and personnel movement

MEDICAL AID STATION

- Supplies
  - Oxygen
  - Splints
  - Bandages
  - Eye wash equipment
  - Hot and cold packs
  - Disinfectants
  - Gauze
  - Limited selection of pharmaceuticals
- Personnel
  - Days
    - Nurse
    - Medical Technicians
    - Doctor (2 days per week)
    - Individuals trained in First Aid (from laboratory and Fire Department
  - Emergencies and Nights
    - Nurse (on call)
    - Doctor (on call)
    - Medical Technicians (from Fire Department)
    - Individuals trained in First Aid (from laboratory and Fire Department)
    - Silver Cross Hospital
    - St. Joseph Hospital

FIRE DEPARTMENT

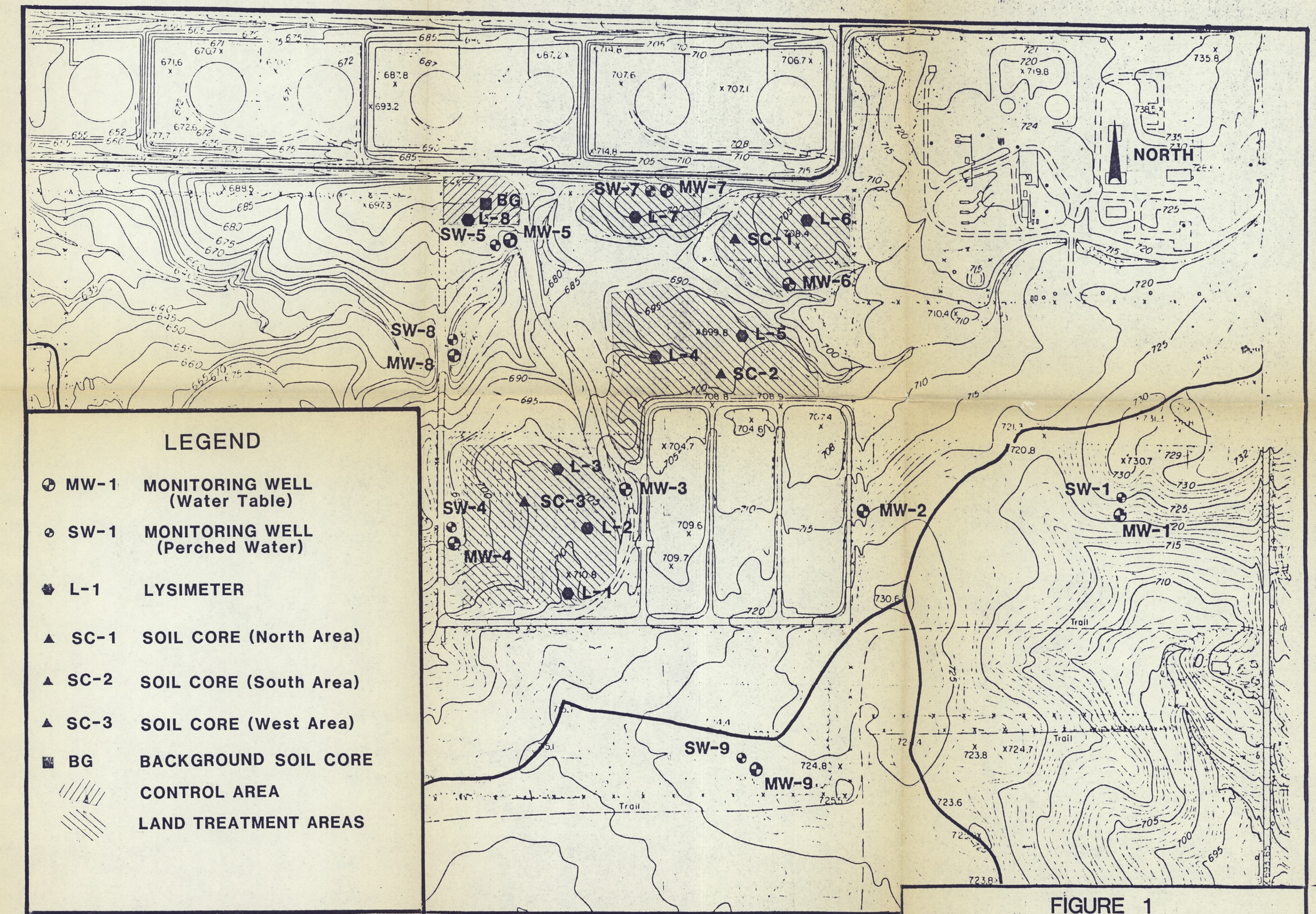
- Mobile Command Post, Vehicle #7618, 4 channel radio.
- Fully equipped ambulance, Vehicle #7614.
- Four Pumpers:
  - Foam Pumper, Vehicle #7611, 1000 gallon foam concentrate capacity, 1500 GPM foam pumping rate, 1250 GPM water pumping rate, 750 feet of 3 inch hose, 750 feet of 2 1/2 inch hose, 4 channel radio, various tools and equipment.
  - Foam Pumper, Vehicle #7612, 1000 gallon foam concentrate capacity, 1500 GPM foam pumping rate, 1250 GPM water pumping rate, 750 feet of 3 inch hose, 750 feet of 2 1/2 inch hose, 4 channel radio, various tools and equipment.
  - Aerial Foam Pumper, Vehicle #7619, 750 gallon foam concentrate capacity, 1800 GPM foam pumping rate, 1500 GPM water pumping rate, 1500 feet of 3 inch hose, 4 channel radio, 5 - 30 minute air packs and spare bottles, rapelling equipment, 75 foot "Telesqurt" boom with water and foam capability, boom has ladder for rescue capability, 30 foot extension ladder, 16 foot roof ladder, various tools and equipment.
  - Mini-pumper, Vehicle #7613, 500 gallon water capacity, 95 GPM foam pumping rate, 250 GPM water pumping rate, 300 feet of 3 inch hose, 4 channel radio, 6 - 30 minute air packs and spare bottles, one proximity suit, 24 foot ladder, gas testing equipment, various tools and equipment.
- Light Plant, Vehicle #7616, 4500 Watt generator, 2 fixed 500 Watt lights, 2 portable 500 Watt lights, various rescue equipment and tools.
- Manpower:
  - Approximately 50 member trained day crew.
  - Approximately 60 member trained shift crew, approximately 10 people immediately available on plant at all times.

FIRE WATER SYSTEM

- Ten and twelve inch fire water mains and fire hydrants in the Tank Farm area are shown on Figure B-6 of Section B.

RECEIVED
JUN 02 1988
IEPA-DLPC

DRAWN FJB	DATE 5/24/84	LOCATION AND SUMMARY OF EMERGENCY RESPONSE EQUIPMENT	DWG. NO. FIGURE 5-1
CHECKED JWP	5/24/84		
APPROVED			
ISSUED FOR			
DESIGN ENGINEER		W.O. NO.	ERM-North Central Inc.
PROJECT ENGINEER		SCALE 1" = 300'	
PROJECT MANAGER		CLIENT APPROVAL	SHEET G-3 OF



LEGEND

MW-1	MONITORING WELL (Water Table)
SW-1	MONITORING WELL (Perched Water)
L-1	LYSIMETER
SC-1	SOIL CORE (North Area)
SC-2	SOIL CORE (South Area)
SC-3	SOIL CORE (West Area)
BG	BACKGROUND SOIL CORE
	CONTROL AREA
	LAND TREATMENT AREAS

200 0 200 400 600 800 1000

DATE OF AERIAL PHOTOGRAPHS: 1/25/73	C. A. S. PROJECT NUMBER: CO 9456
CAMERA FOCAL LENGTH: 88.54 mm.	CONTOUR INTERVAL: 1 FOOT

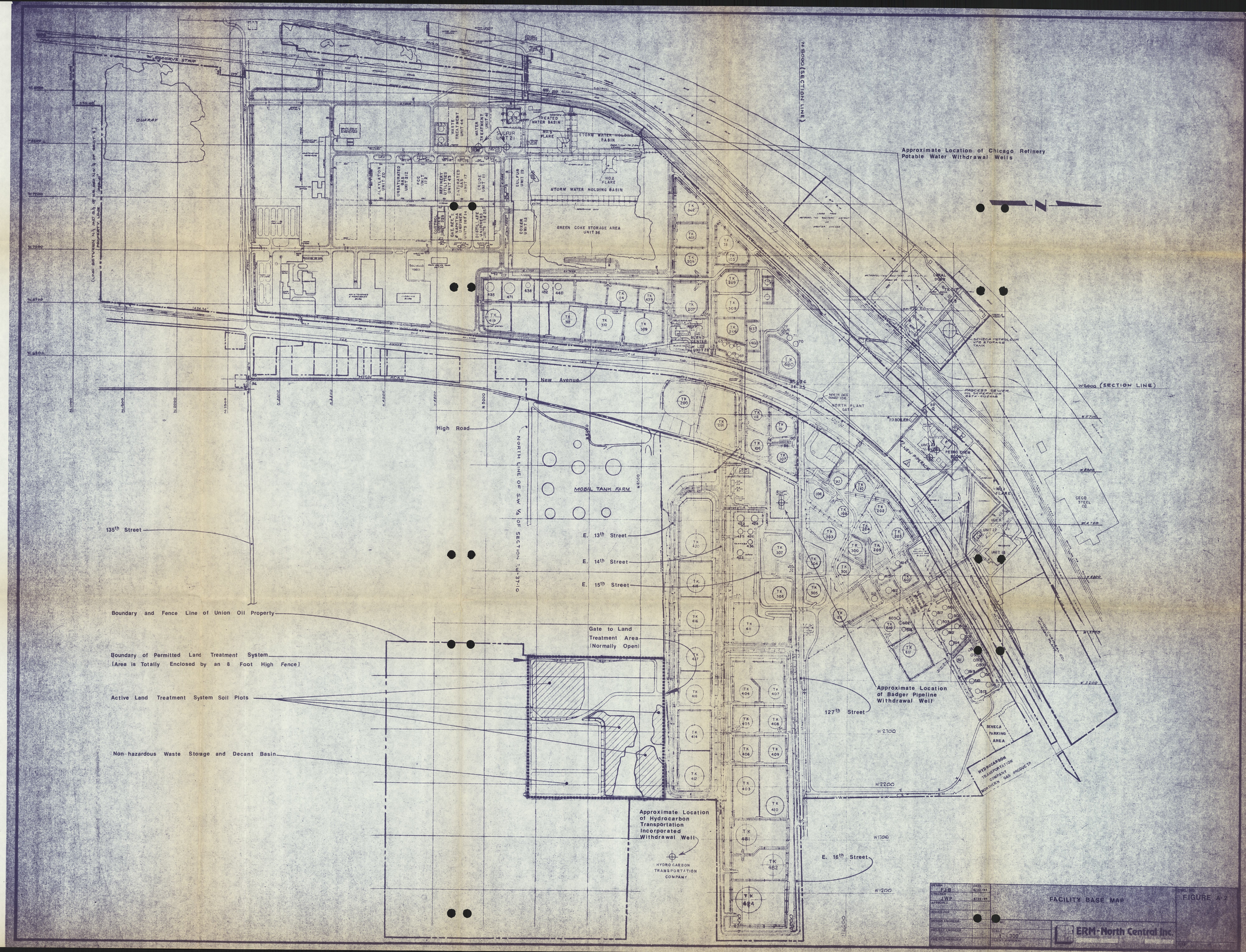
UNOCAL
CHICAGO REFINERY
LAND TREATMENT AREA

T. M. GATES INC.

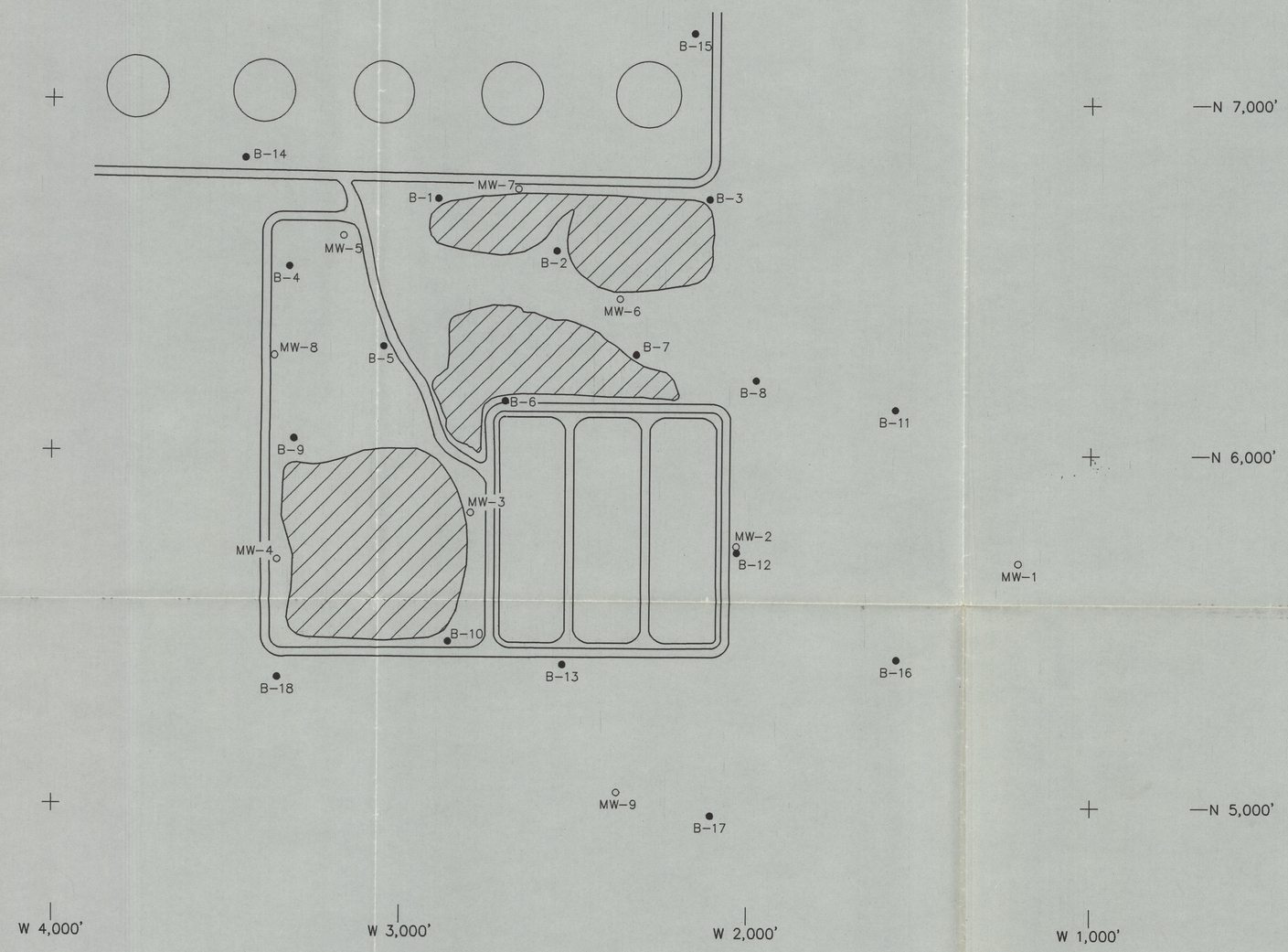
FIGURE 1

MONITORING SYSTEM FOR LAND TREATMENT AREA

(Revised 2/21/85)


Approximate Location of Chicago Refinery Potable Water Withdrawal Wells
N
N. 8000 (SECTION LINE)
W.6000 (SECTION LINE)
QUARRY
RESERVE STRIP
(LINE BETWEEN N½ AND S½ OF N½ AND N½ OF SECT. 3)
PROPERTY LINE
TREATED WATER BASIN
NO. 3 FLARE
STORM WATER HOLDING BASIN
NO. 2 FLARE
STORM WATER HOLDING BASIN
GREEN COKE STORAGE AREA UNIT 36
SULFUR UNIT 21
WASTE TREATMENT UNIT 42
WATER TREATMENT UNIT 41
ALKYLATION UNIT 20
UNSATURATED GAS UNIT 212
FCC UNIT 12
REFINERY UTILITIES UNIT 43
SATURATED GAS UNIT 17
CRUDE UNIT 11
SULFUR UNIT 19
COKER UNIT 18
CAT. REF. & SATURATE UNIFINER UNITS 16 & 1
DISTILLATE UNIFINER UNITS 15 & 5
BLEND CENTER UNIT 28
CANAL DOCK
SENECA PETROLEUM VTB STORAGE TANK
PROCESS SEWER
NORTH GATE GUARD HSE.
NORTH PLANT GATE
#19 BOILER
NEW PIPERACK
PETRO CHEM DOCK
NO. 1 FLARE
GECO STEEL CO.
UNIT 22
UNIT 18
HIGH ROAD
New Avenue
High Road
NORTH LINE OF S.W. ¼ OF SECTION 3-37-10
MOBIL TANK FARM
135th Street
E. 13th Street
E. 14th Street
E. 15th Street
Boundary and Fence Line of Union Oil Property
Gate to Land Treatment Area (Normally Open)
Boundary of Permitted Land Treatment System (Area is Totally Enclosed by an 8 Foot High Fence)
Active Land Treatment System Soil Plots
Non-hazardous Waste Storage and Decant Basin
Approximate Location of Badger Pipeline Withdrawal Well
127th Street
SENECA PARKING AREA
HYDROCARBON TRANSPORTATION COMPANY
NORTHERN GAS PRODUCTS
Approximate Location of Hydrocarbon Transportation Incorporated Withdrawal Well
HYDROCARBON TRANSPORTATION COMPANY
E. 16th Street
W.2700
W.2200
W.1700
W.1200
W.3200
W.4700
W.5700
W.6700
W.7200
W.7700
W.8200
W.8700
W.9200
W.9700
W.10200
W.10700
W.11200
W.11700
W.12200
W.12700
W.13200
W.13700
W.14200
W.14700
W.15200
W.15700
W.16200
W.16700
W.17200
W.17700
W.18200
W.18700
W.19200
W.19700
W.20200
W.20700
W.21200
W.21700
W.22200
W.22700
W.23200
W.23700
W.24200
W.24700
W.25200
W.25700
W.26200

DRAFT



LEGEND

STORAGE TANKS

MW-1
EXISTING MONITOR WELL

B-1
BEDROCK BORING AND PIEZOMETER

LAND TREATMENT AREAS

N 5,000'

W 1,000'
PLANT COORDINATES

200 0 200 400
SCALE IN FEET
1" = 200'-0"

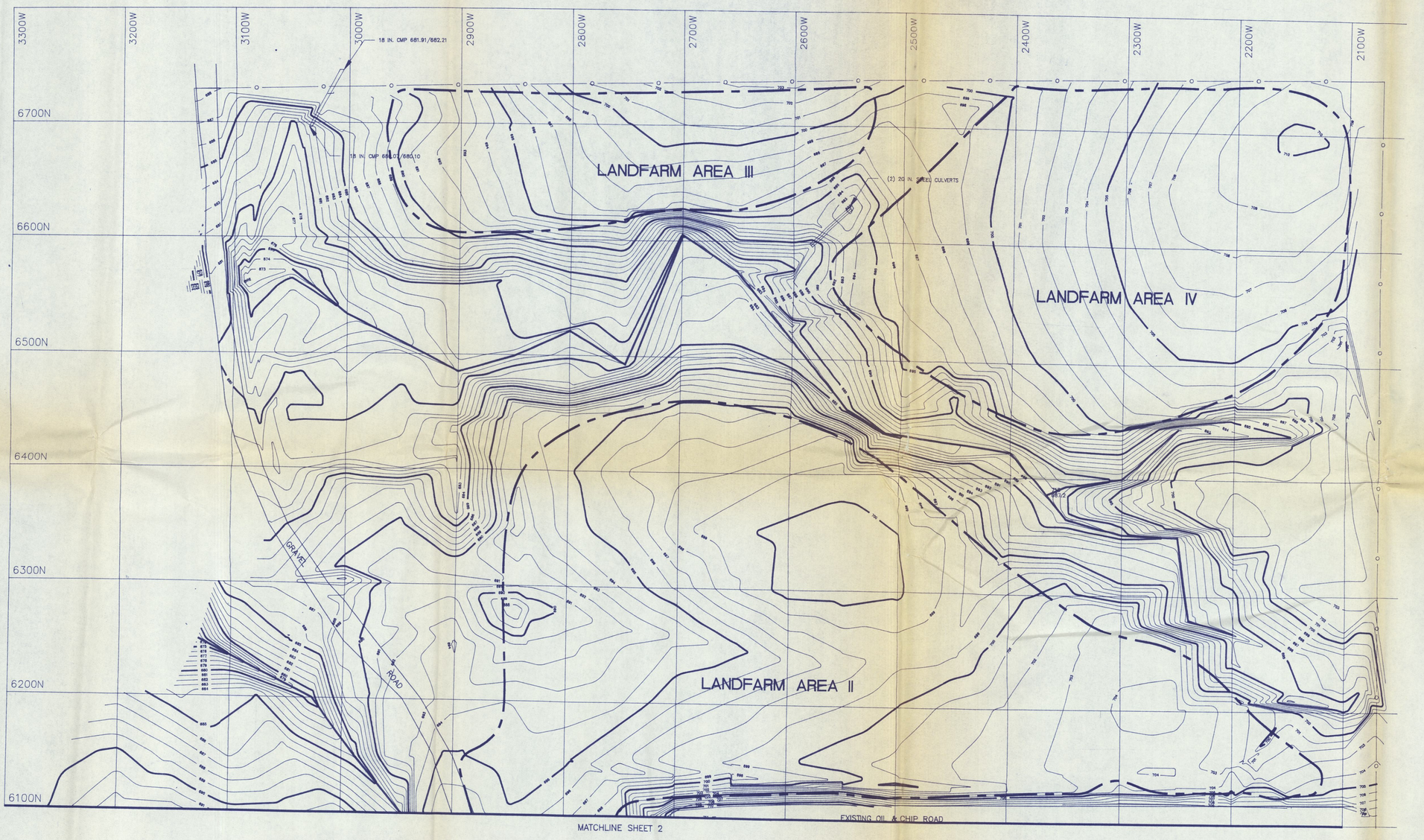
ERT®
A RESOURCE ENGINEERING COMPANY

UNOCAL CHICAGO REFINERY
LAND TREATMENT FACILITY

PIEZOMETER AND MONITOR WELL LOCATION MAP

DRAWN BY: N.L.J.	DATE: 2/19/88	PROJ. NO. 6940-006
CHK'D BY: G.V.S.	REVISED:	DWG.NO.:

6940003D



N

0 100 FEET

LEGEND:

APROXIMATE LIMITS OF EXSTING LANDFARM AREA

NOTES:

1. DRAWING FOR PERMIT PURPOSES ONLY; NOT TO BE USED FOR CONSTRUCTION.
2. TOPOGRAPHIC SURVEY PROVIDED BY BELING CONSULTANTS, JOLIET, ILLINOIS, AUGUST 1993.

From Closure Plan
Sept 13, 1993
filed in A.4.2

GERAGHTY & MILLER, INC.
Environmental Services

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SCALE VERIFICATION
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING:
USE TO VERIFY FIGURE REPRODUCTION SCALE

REV. NO.	DATE	DESCRIPTION	BY	APPR.

PROJECT NO.: CI0264.002	FILE NO: UNOVEN
DRAWING: SITEPL-1	PLOT SIZE: 1=50
DRAFTED BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:

GENERAL SITE PLAN

UNO-VEN REFINERY
LEMONT, ILLINOIS

FIGURE
1

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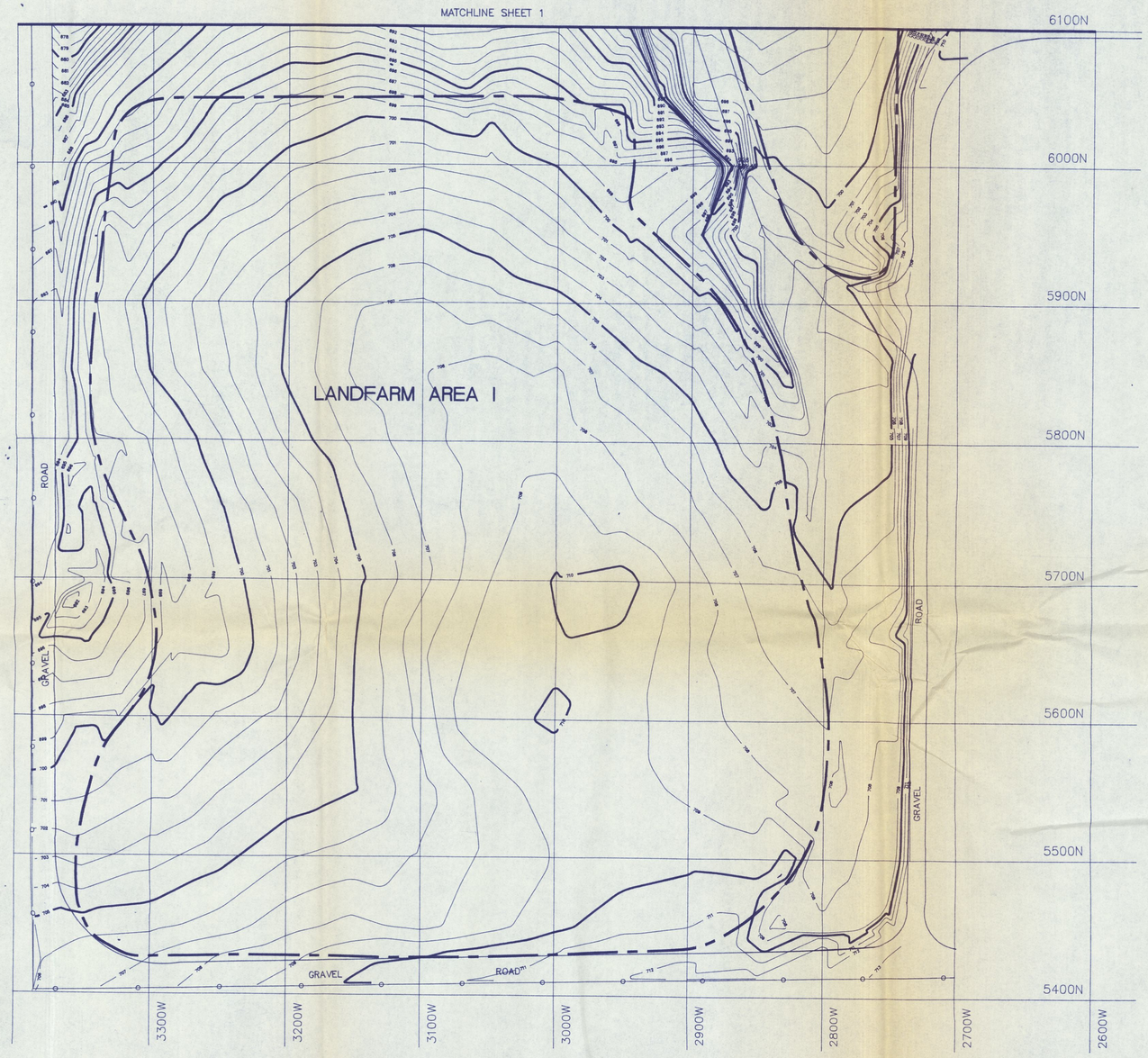

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LEGEND:

APPROXIMATE LIMITS OF EXISTING LANDFARM AREA

NOTES:

1. DRAWING FOR PERMIT PURPOSES ONLY; NOT TO BE USED FOR CONSTRUCTION.
2. TOPOGRAPHIC SURVEY PROVIDED BY BELING CONSULTANTS, JOLIET, ILLINOIS, AUGUST 1993.

GERAGHTY & MILLER, INC.
Environmental Services

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PROJECT NO.: CI0264.002	FILE NO: UNOVEN
DRAWING: SITEPL-2	PLOT SIZE: 1=50
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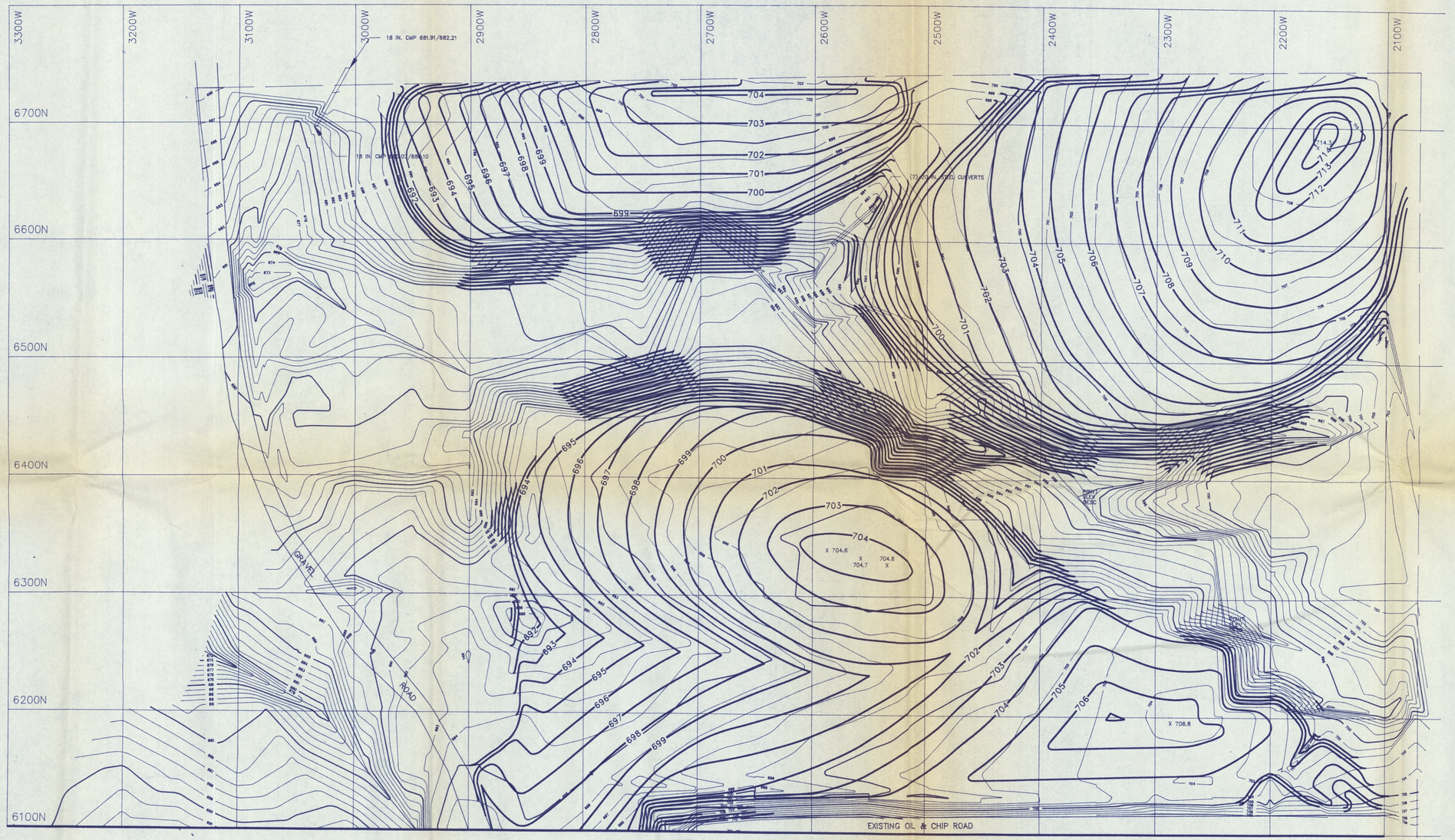
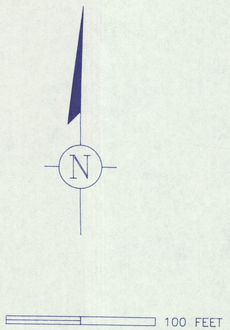
APPROVED BY:	DATE:

GENERAL SITE PLAN

UNO-VEN REFINERY
LEMONT, ILLINOIS

FIGURE
2





LEGEND:

—700— FINAL CONTOUR

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PROJECT NO.: CI0264.002	FILE NO: UNOVEN
DRAWING: FL-GRAD1	PLOT SIZE: 1=50
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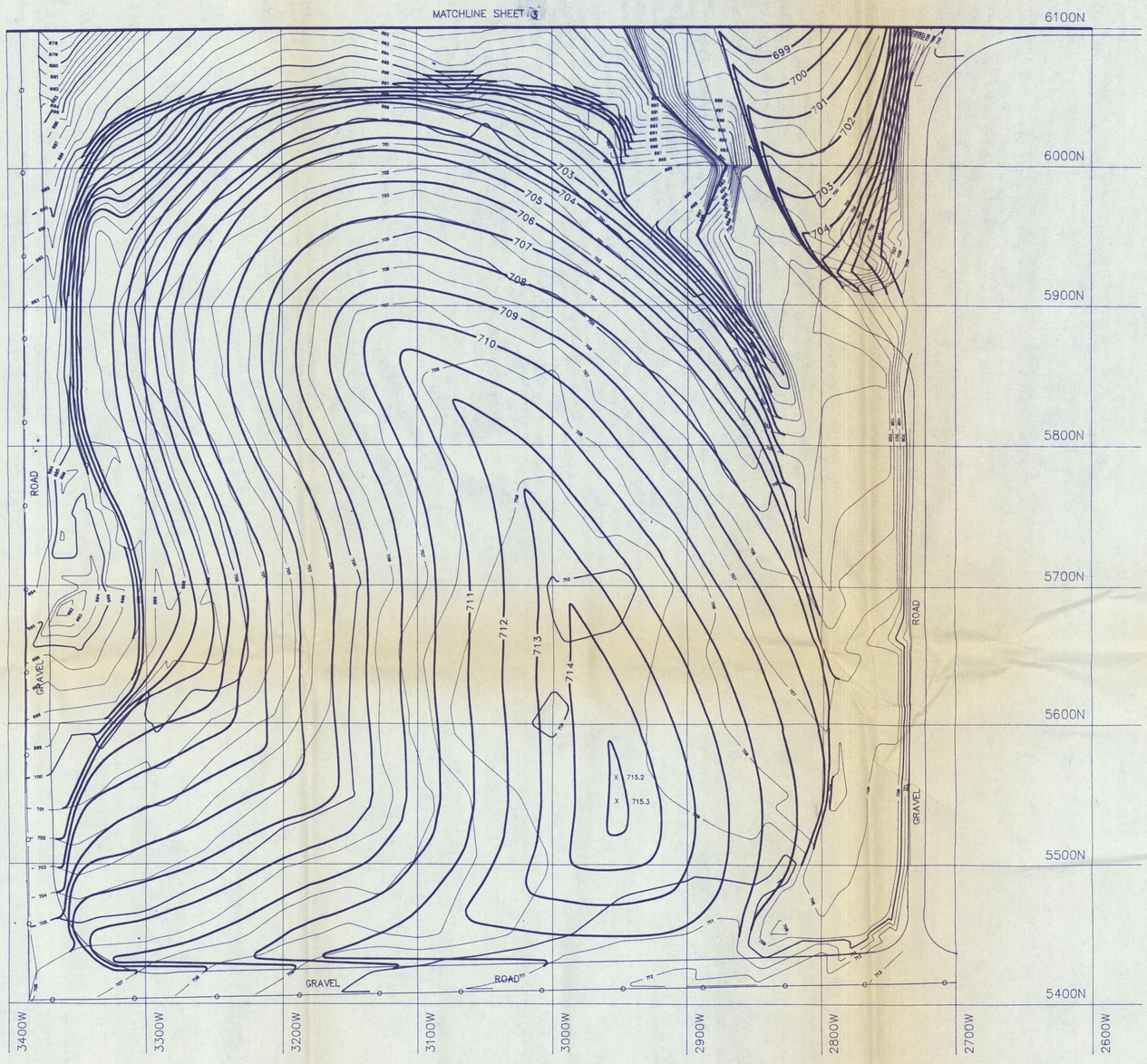
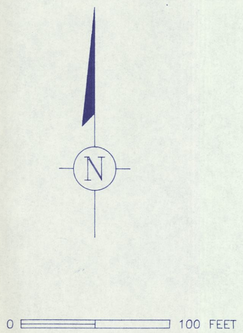
APPROVED BY:	DATE:

FINAL GRADING PLAN

UNO-VEN REFINERY
LEMONT, ILLINOIS

FIGURE
3





LEGEND:

—700— FINAL CONTOUR

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REV. NO.	DATE	DESCRIPTION	BY	APPR.

PROJECT NO.: CI0264.002	FILE NO: UNOVEN
DRAWING: FL-GRAD2	PLOT SIZE: 1=50
DRAFTED BY:	DATE:
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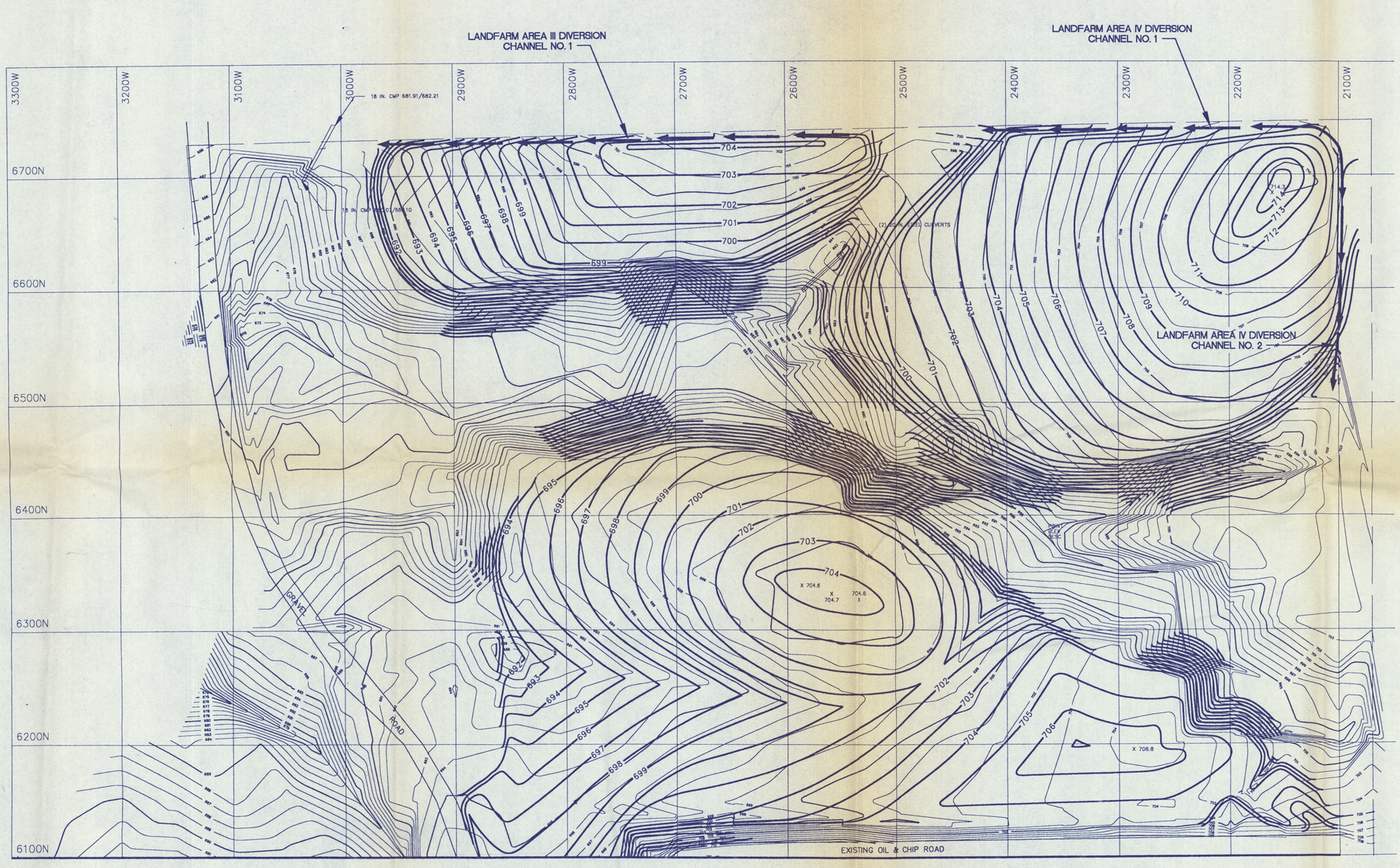
APPROVED BY:	DATE:

FINAL GRADING PLAN

UNO-VEN REFINERY
LEMONT, ILLINOIS

FIGURE
4



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LEGEND:

—700— FINAL CONTOUR

DIVERSION CHANNEL

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REV. NO.	DATE	DESCRIPTION	BY	APPR.

PROJECT NO.: CI0264.002	FILE NO: UNOVEN
DRAWING: STWTR-1	PLOT SIZE: 1=50
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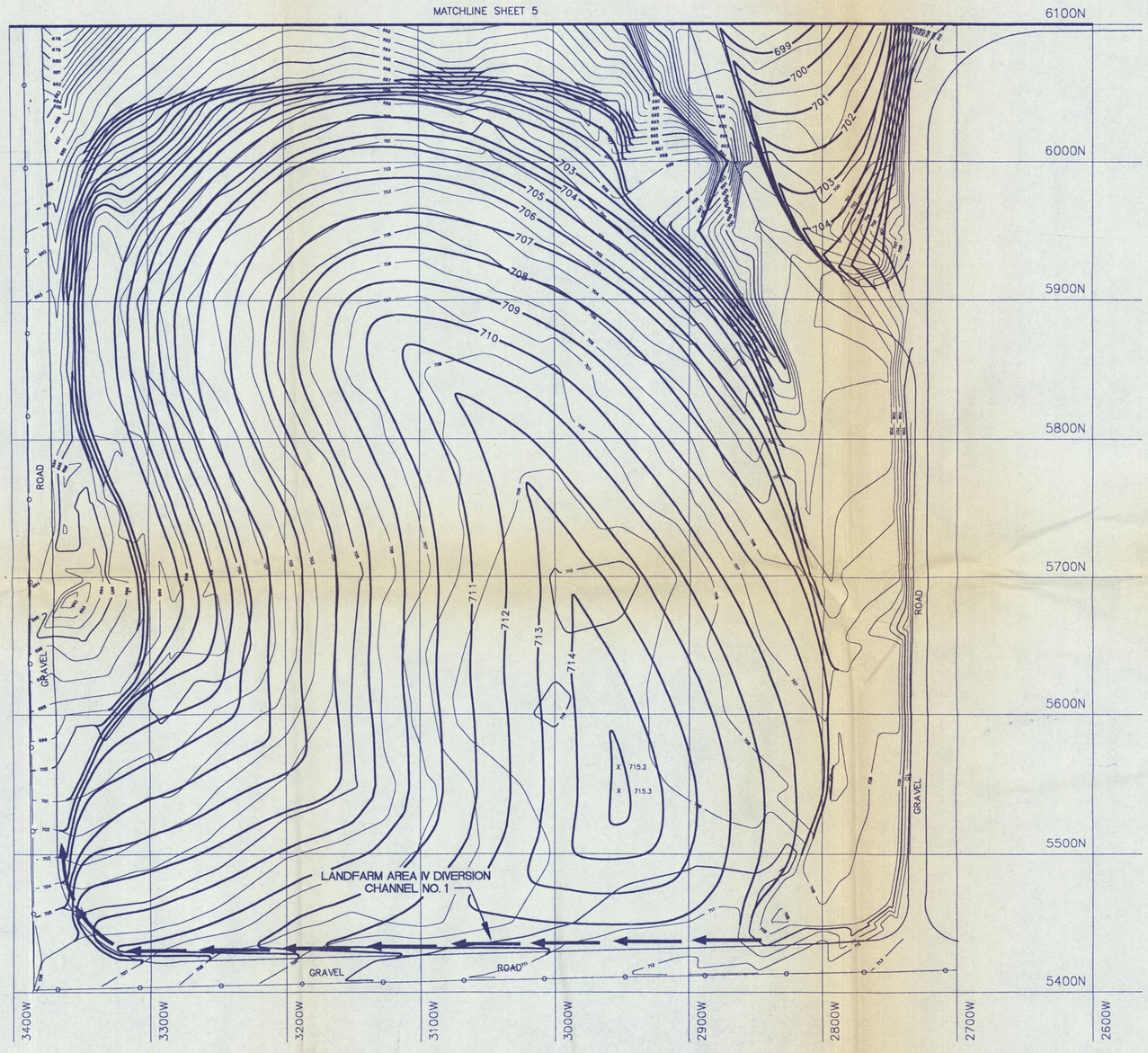
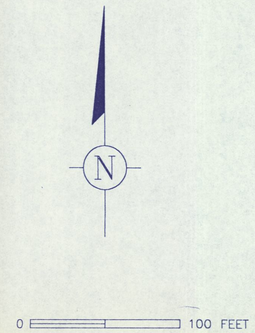
APPROVED BY:	DATE:

STORMWATER MANAGEMENT PLAN

UNO-VEN REFINERY
LEMONT, ILLINOIS

FIGURE
5





LEGEND:

—700— FINAL CONTOUR

DIVERSION CHANNEL

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PROJECT NO.: CI0264.002	FILE NO: UNOVEN
DRAWING: STWTR-2	PLOT SIZE: 1=50
DRAFTED BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:

STORMWATER MANAGEMENT PLAN

UNO-VEN REFINERY
LEMONT, ILLINOIS

FIGURE
6

UAg 1055 152,39

UAg 1055 152,39

C-417-M-2

cc: Maywood
EPA

JKM
JHK
WRW

Unocal Corporation
2300 Barrington Road, Suite 500
Hoffman Estates, Illinois 60195
Telephone (708) 310-6806
Facsimile (708) 310-6890

UNOCAL 76

Via Overnight Delivery

Thomas I. Hall
Staff Geologist
Corporate Environmental
Remediation & Technology

October 12, 1994

Mr. Rob Watson
Illinois Environmental Protection Agency
Manager Corrective Action Unit
Permit Section
Bureau of Land
2200 Churchill Road, P.O. Box 19276
Springfield, IL 62794-9276

Re: 1978030004 -- WILL COUNTY
UNO-VEN REFINERY
ILD041550567
LOG NO. C-417-M-2
RCRA CLOSURE FILE

Dear Mr. Watson:

Pursuant to your request, enclosed is a site location map and aerial photograph of the UNO-VEN Lemont refinery. These items display the location of the land treatment facility in relation to the refinery and the surrounding community. If you have questions or need additional information please call me at (708) 310-6806.

Sincerely,

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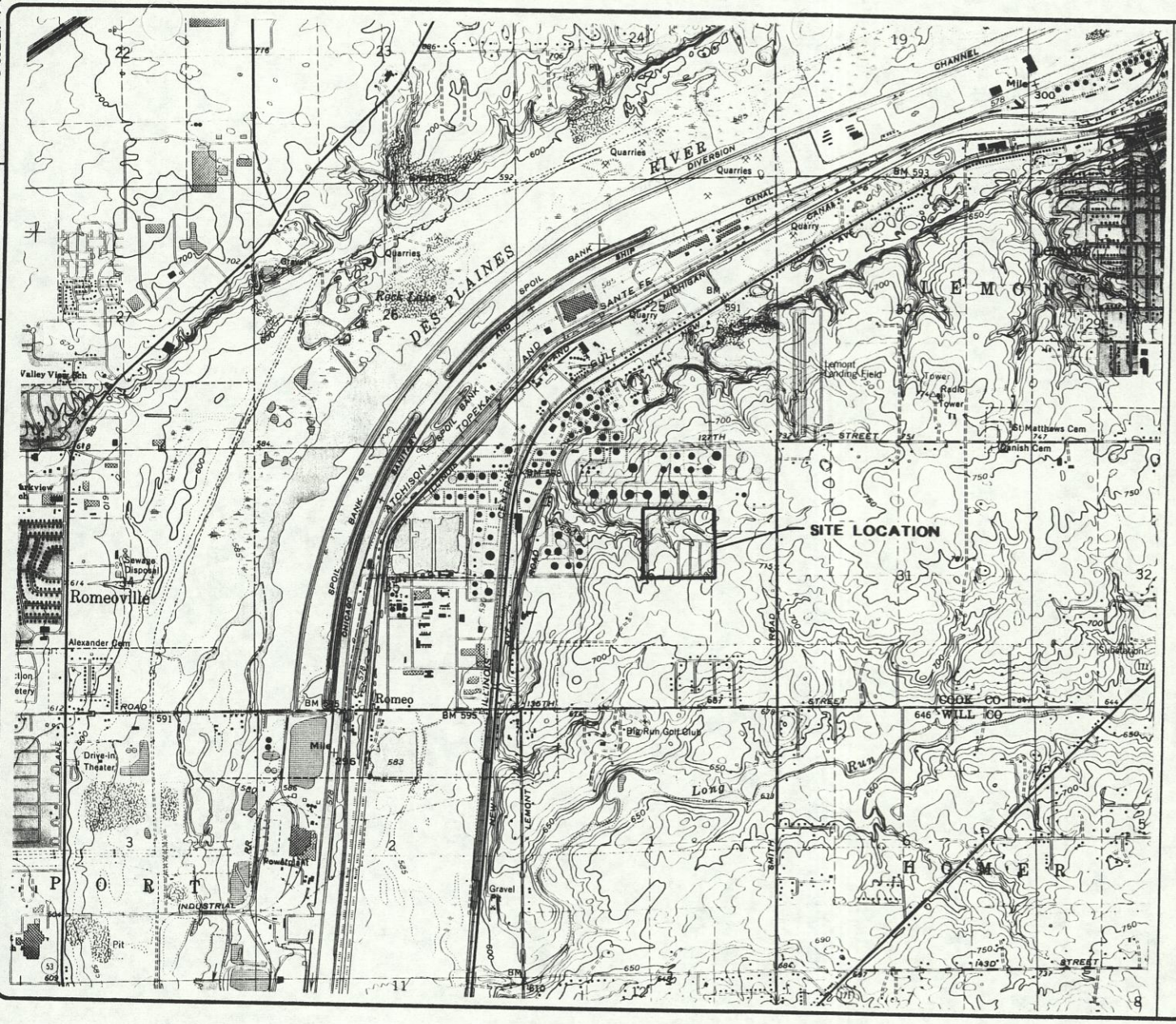
OCT 13 1994
PERMIT SECTION

cc: Claude Harmon, UNO-VEN w/o encl.
J.H. Garretson w/o encl.

136



SOURCE:
USGS 7.5 MIN. TOPOGRAPHIC MAP, ROMEOVILLE, ILLINOIS QUADRANGLE, 1962, PHOTOREVISED 1973 AND 1980.

RECEIVED
OCT 13 1994
IEPA - DLC
PERMIT SECTION

FIGURE 1-1

SITE LOCATION MAP
CLOSURE PLAN FOR THE LAND TREATMENT AREA
UNO-VEN REFINERY
LEMONT, ILLINOIS

GERAGHTY & MILLER, INC.
Environmental Services

DWG DATE: 9/13/93 | PRJCT NO.: C0268-002 | FILE NO.: NON-CAD | DRAWING: C268-002-B1-1 | CHECKED: J TANAKA | APPROVED: J TANAKA | DRAFTER: S GOZNER 1=1