SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.

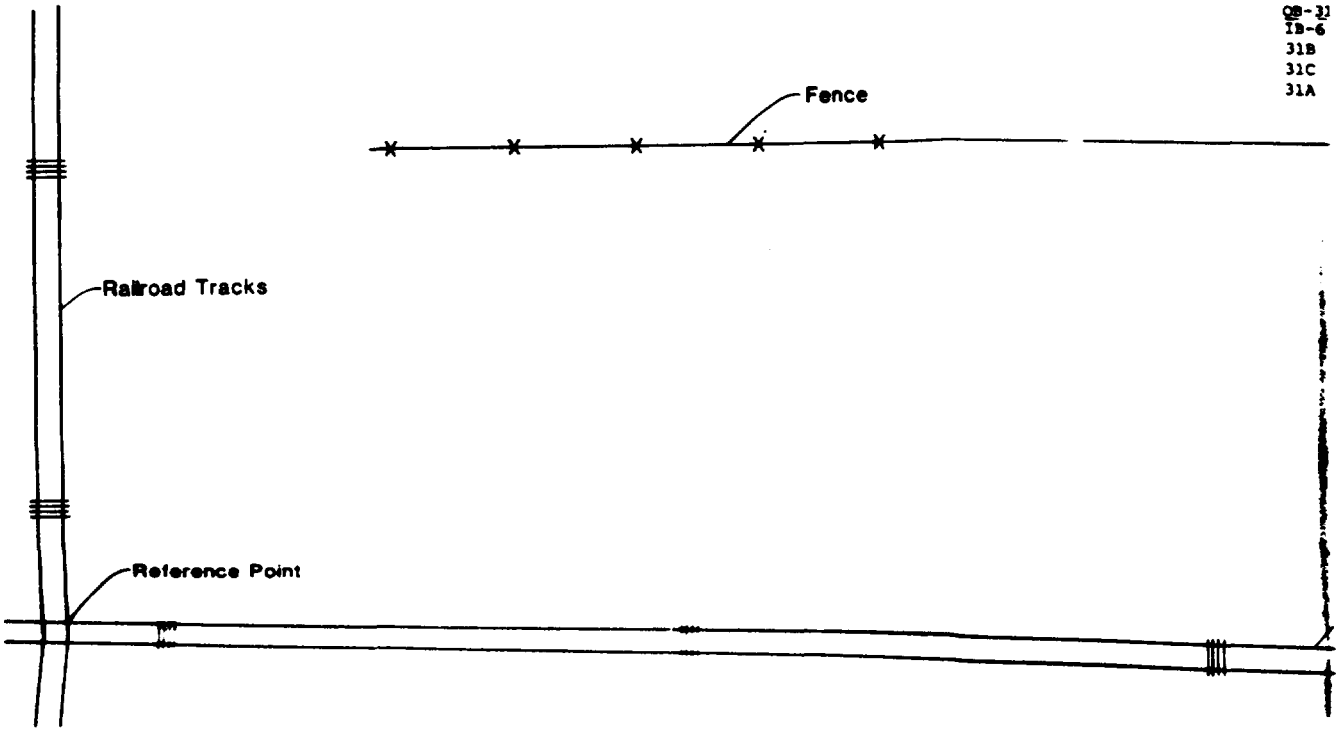
158447

BORING ELEVATIONS

BORING NO.	ELEVS.	BORING NO.	ELEVS.
GM-8	418.49'	IB-1	414.29'
IP-4	420.71'	B-3	414.69'
B-2	421.55'	OB-20A	415.03'
OB-26	420.89'	OB-20B	415.27'
OB-15	420.95'	OB-13	415.54'
OB-14	421.02'	OB-4	415.79'
OB-5	419.70'	IB-7	414.31'
OB-8	419.88'	IB-2	415.20'
OB-16	419.95'	OB-22B	416.25'
B-1	420.29'	B-8	416.08'
OB-25B	420.20'	OB-21	416.26'
OB-25A	420.16'	OB-22A	416.41'
B-5	420.89'	OB-19	416.25'
OB-5	419.50'	OB-2	416.09'
OB-10	417.81'	OB-1	415.94'
OB-7	417.84'	OB-12	417.35'
OB-9	417.67'	OB-11	417.09'
OB-17	417.28'	OB-18	417.09'
OB-24	417.25'	OB-23	416.95'
B-6	417.35'	B-7	417.08'
OB-30	417.29'	31A	418.63'
OB-31	417.43'	31B	418.92'
OB-6	417.60'	31C	419.29'
OB-32	415.49'	IB-3	416.71'
OB-33	415.82'	B-4	416.68'
OB-34	415.06'	B-4B	416.66'
OB-35	414.92'	IB-8	419.87'
OB-36	414.73'		

Boring

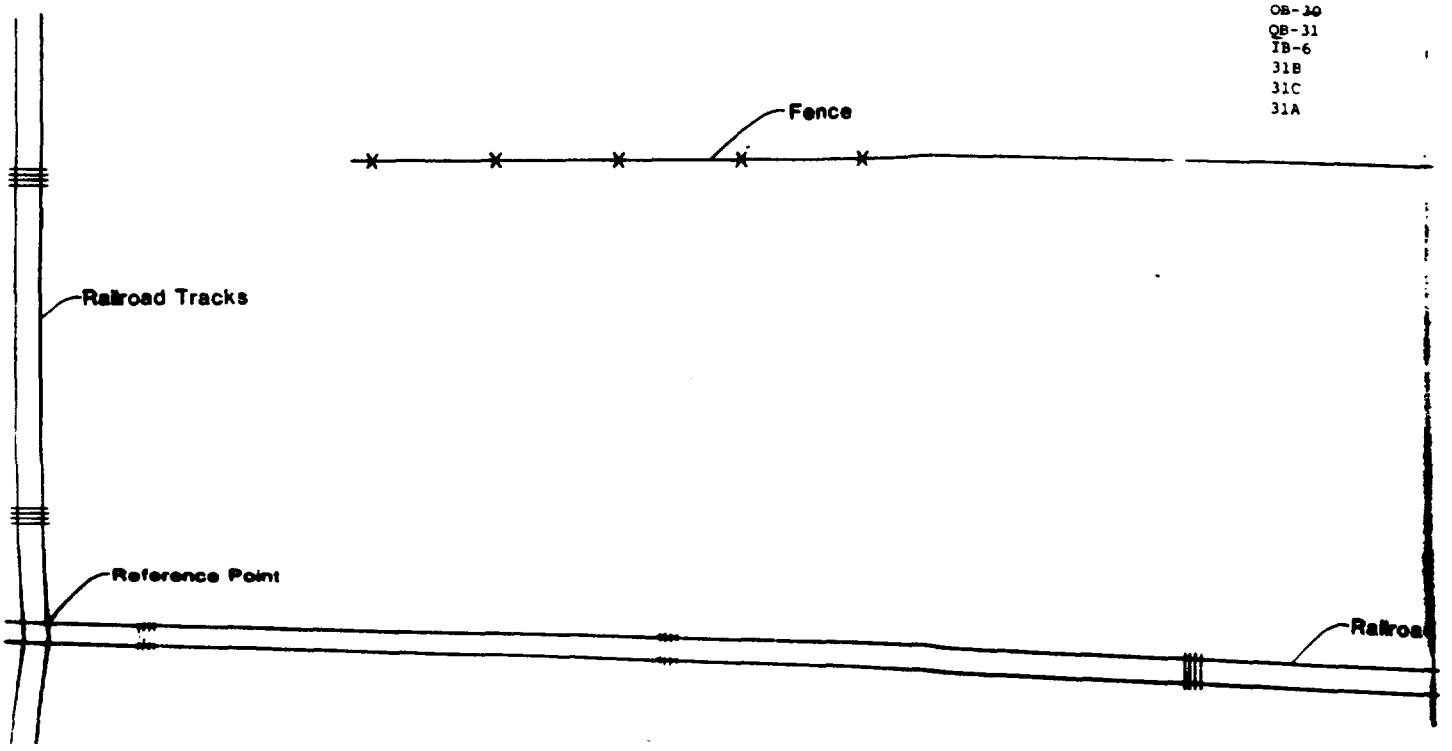
IB-1
B-3
OB-36
OB-35
OB-34
OB-32
OB-33
IB-7
GM-8
OB-4
OB-1
OB-2
OB-2
B-2
IB-2
OB-2
OB-2
B-8
OB-2
OB-1
OB-2
OB-1
B-4
B-4B
OB-1
OB-1
OB-2
IB-3
B-7
OB-2
OB-1
OB-1
OB-1
IB-4
OB-5
OB-8
OB-1
B-1
OB-2
OB-2
IB-8
B-5
IB-5
B-6
OB-2
OB-1
OB-9
OB-7
OB-10
OB-34
OB-31
IB-6
31B
31C
31A



BORING ELEVATIONS

BORING NO.	ELEVS.	BORING NO.	ELEVS.
GM-6	418.49'	IB-1	414.29'
IB-4	420.71'	B-3	414.69'
B-2	421.55'	OB-20A	415.03'
OB-26	420.89'	OB-20B	415.27'
OB-15	420.95'	OB-13	415.54'
OB-14	421.02'	OB-4	415.79'
OB-5	419.70'	IB-7	414.31'
OB-6	419.88'	IB-2	415.20'
OB-16	419.95'	OB-22B	416.25'
B-1	420.29'	B-8	416.08'
OB-25B	420.20'	OB-21	416.28'
OB-25A	420.16'	OB-22A	416.41'
B-5	420.89'	OB-19	416.25'
IB-5	419.50'	OB-2	416.09'
OB-10	417.81'	OB-1	415.94'
OB-7	417.84'	OB-12	417.35'
OB-9	417.67'	OB-11	417.09'
OB-17	417.28'	OB-18	417.09'
OB-24	417.25'	OB-23	416.95'
B-6	417.35'	B-7	417.05'
OB-30	417.29'	31A	418.63'
OB-31	417.43'	31B	418.92'
IB-6	417.60'	31C	419.29'
OB-32	415.49'	IB-3	416.71'
OB-33	415.82'	B-4	416.68'
OB-34	415.06'	B-4B	416.66'
OB-35	414.92'	IB-8	419.87'
OB-36	414.73'		

Boring No.
IB-1
B-3
OB-36
OB-35
OB-34
OB-32
OB-33
IB-7
GM-6
OB-4
OB-13
OB-20A
OB-20B
B-2
IB-2
OB-22A
OB-22B
B-8
OB-21
OB-19
OB-2
OB-1
B-4
B-4B
OB-14
OB-15
OB-26
IB-3
B-7
OB-23
OB-16
OB-11
OB-12
IB-4
OB-5
OB-8
OB-16
B-1
OB-25B
OB-25A
IB-8
B-5
IB-5
B-6
OB-24
OB-17
OB-9
OB-7
OB-10
OB-30
OB-31
IB-6
31B
31C
31A



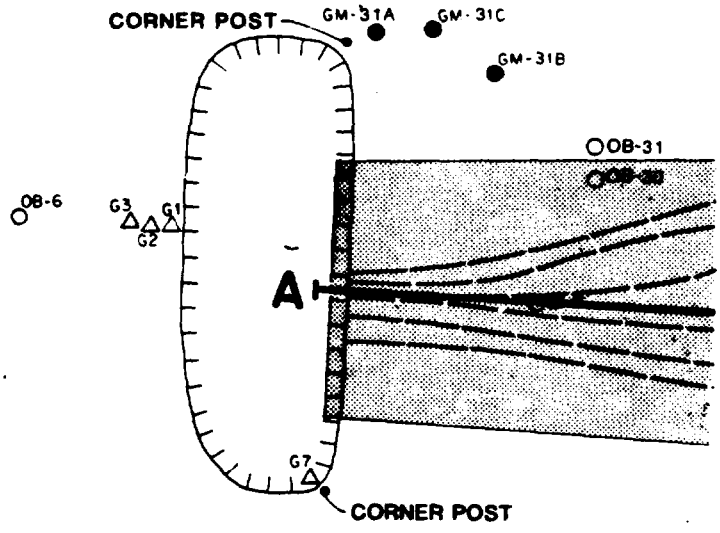
BORING LOCATIONS

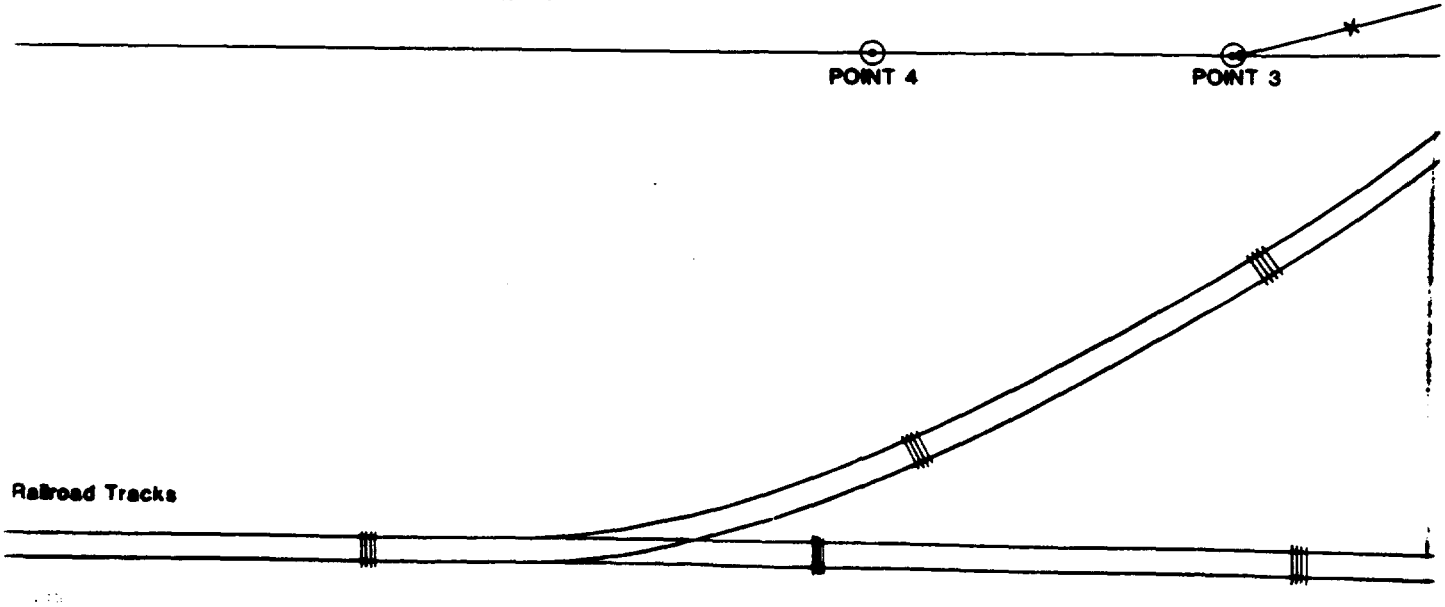
Reference Point Locations Along Fence From
Northeast Corner of Railroad Track Intersection

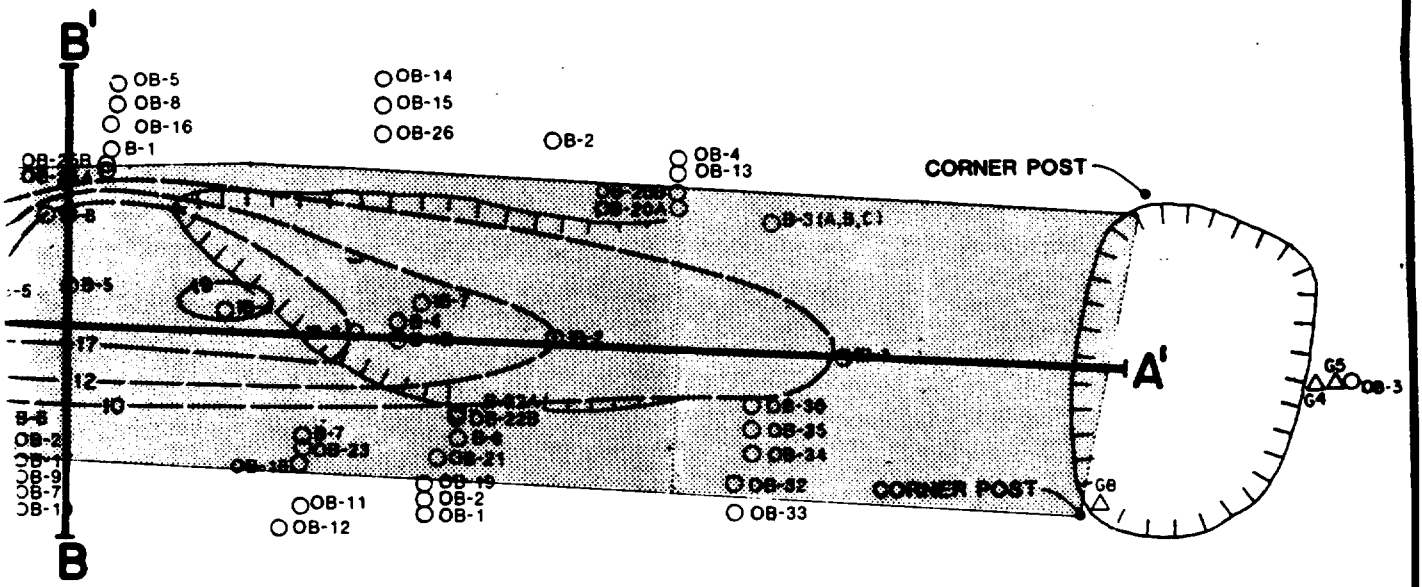
Point 1	582.4'E	82.9'N
Point 2	487.9'E	82.7'N
Point 3	413.8'E	82.6'N
Point 4	355.8'E	82.7'N

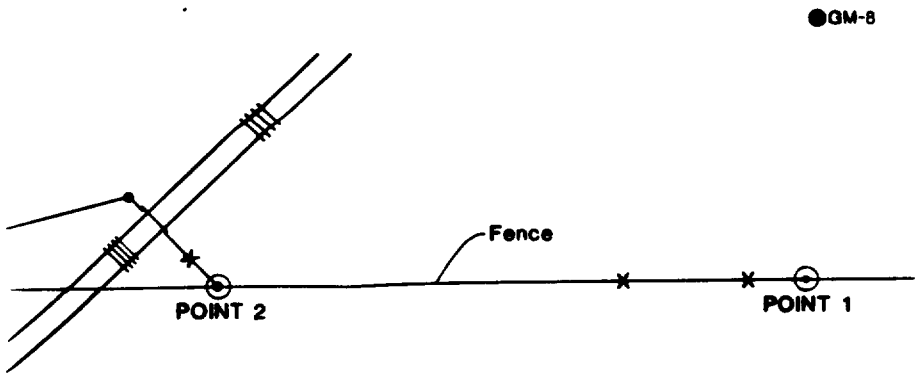
Boring Locations From Reference Points Along Fence

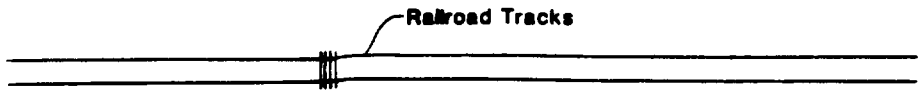
Reference Point	Location	
1	5.7'E	92.8'N
2	89.7'E	114.8'N
2	86.3'E	85.4'N
2	86.3'E	81.8'N
2	86.3'E	77.8'N
2	83.3'E	72.9'N
2	83.3'E	68.1'N
2	83.3'E	102.5'N
2	97.5'E	43.6'N
2	74.6'E	125.3'N
2	74.6'E	122.7'N
2	74.6'E	117.1'N
2	74.6'E	119.6'N
2	54.8'E	128.6'N
2	54.8'E	96.9'N
2	38.9'E	84.9'N
2	38.9'E	84.2'N
2	38.9'E	80.6'N
2	36.3'E	77.4'N
2	34.1'E	73.2'N
2	34.1'E	70.7'N
2	34.1'E	68.1'N
2	29.6'E	99.4'N
2	29.6'E	96.5'N
2	27.4'E	138.8'N
2	27.4'E	134.2'N
2	27.4'E	129.4'N
2	22.3'E	97.8'N
2	13.8'E	81.3'N
2	13.8'E	79.3'N
2	13.2'E	76.9'N
2	13.2'E	70.2'N
2	9.4'E	66.5'N
3	65.5'E	101.8'N
3	57.8'E	138.8'N
3	57.7'E	135.2'N
3	56.6'E	132.1'N
3	56.6'E	128.1'N
3	55.7'E	125.8'N
3	55.7'E	124.6'N
3	46.0'E	117.8'N
3	49.8'E	106.2'N
3	36.1'E	105.4'N
3	38.2'E	84.3'N
3	38.2'E	81.1'N
3	38.2'E	77.9'N
3	38.4'E	75.9'N
3	38.5'E	73.4'N
3	38.5'E	70.9'N
3	15.1'E	122.1'N
3	15.1'E	127.6'N
3	5.9'E	101.7'N
4	56.5'E	139.[illegible]'N
4	46.8'E	146.4'N
4	37.7'E	145.[illegible]'N

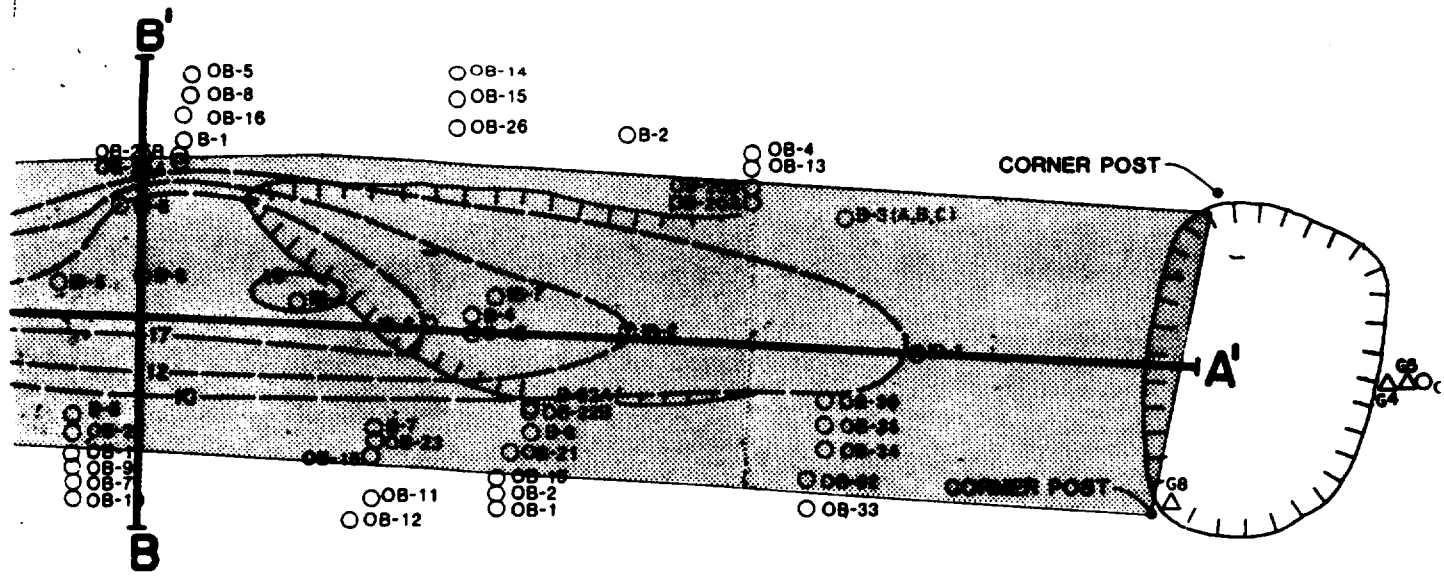


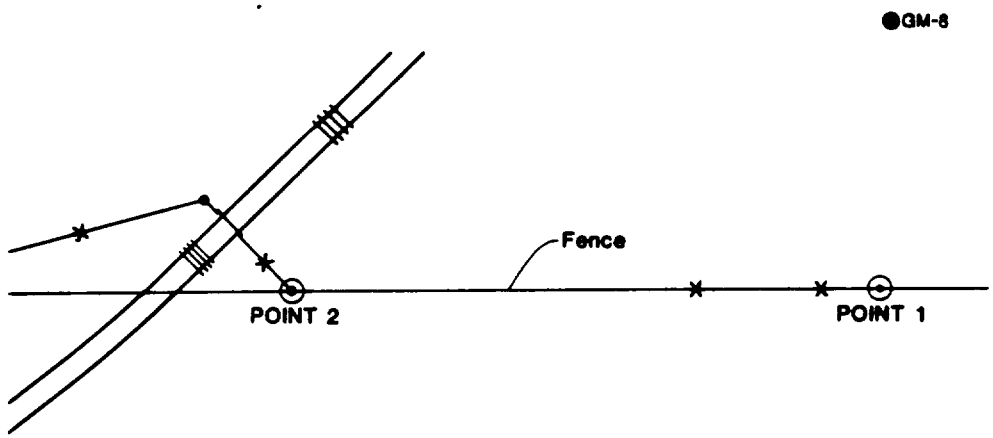



B'
B
A'
OB-5
OB-8
OB-16
B-1
OB-14
OB-15
OB-26
B-2
OB-4
OB-13
CORNER POST
CORNER POST
B-3 (A,B,C)
OB-20A
OB-7
OB-23
OB-11
OB-12
OB-2
OB-1
OB-33
OB-34
OB-35
OB-36
OB-32
OB-21
OB-22B
G5
G4
G8
OB-3


GM-8
Fence
POINT 2
POINT 1


Railroad Tracks





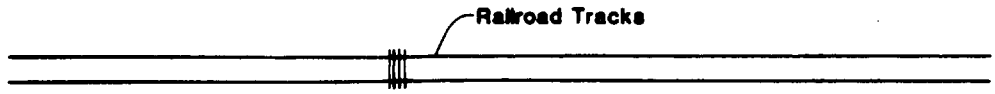
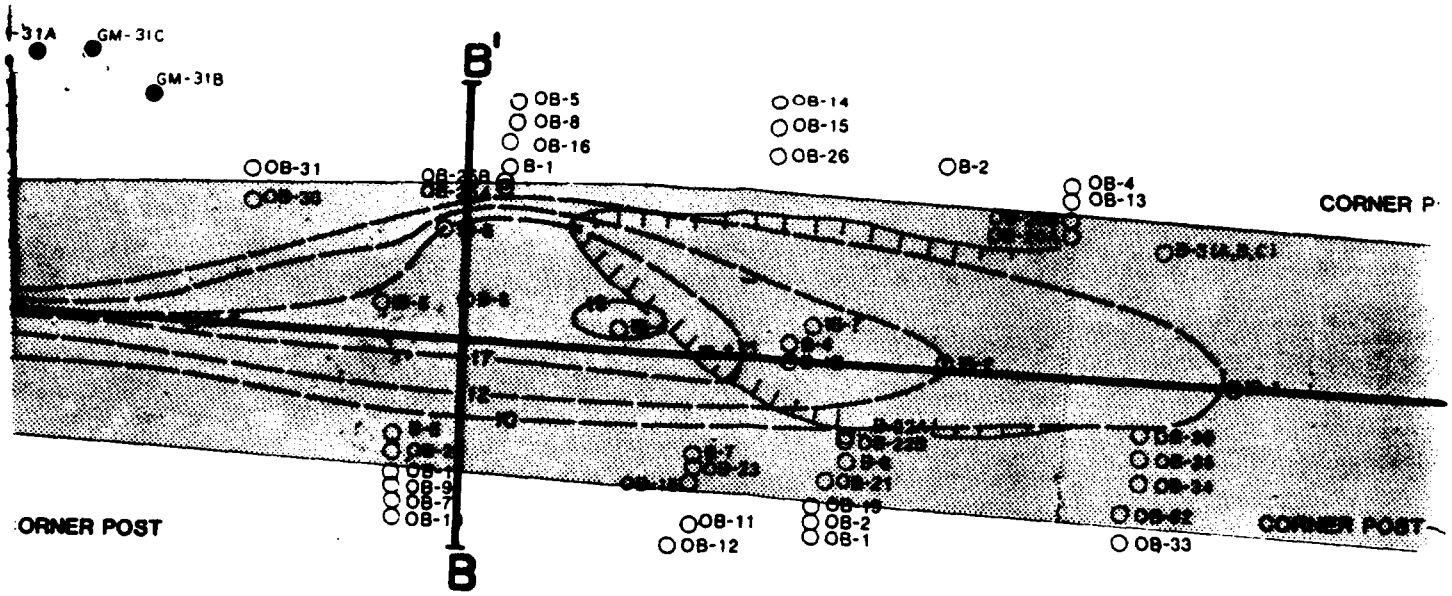


FIGURE 1

DEPTH OF FILL

MONSANTO COMPANY
SAUGET, ILLINOIS



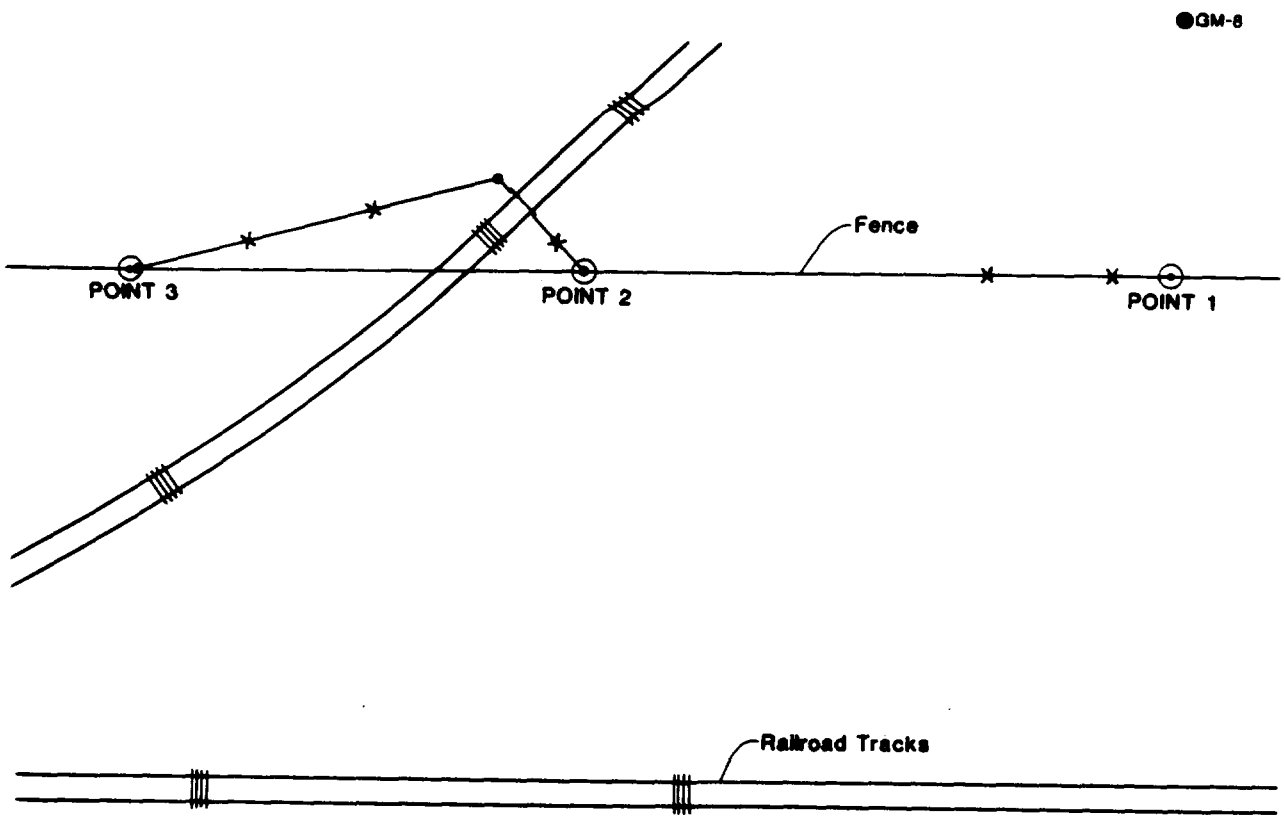


FIGURE 1

TING BASE OF FILL

IATION

N

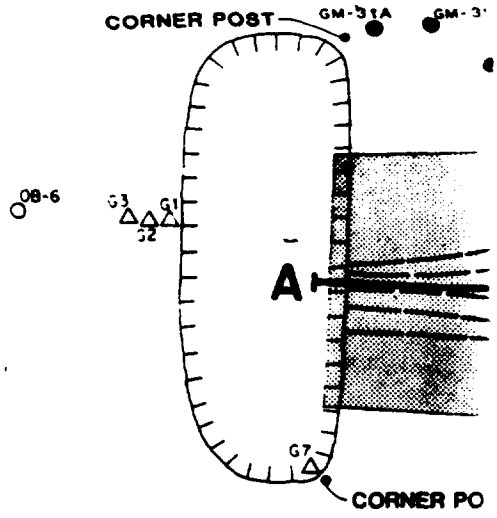
0 40 FEET

DEPTH OF

MONSANTO COM

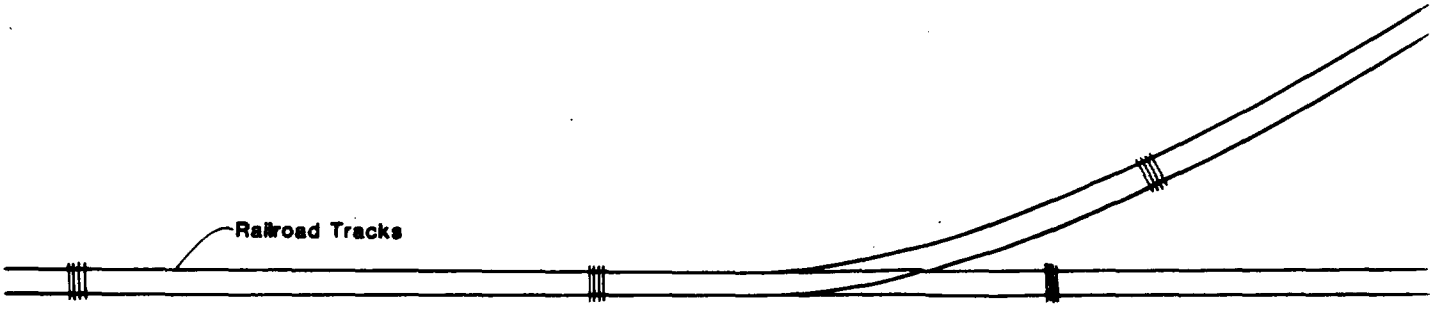
SAUGET, ILLIN

OB-19	2	74.6'E	127.[illegible]'N
OB-20A	2	74.6'E	119.9'N
OB-20B	2	54.8'E	126.[illegible]'N
B-2	2	54.8'E	96.[illegible]'N
IB-2	2	38.9'E	84.3'N
OB-22A	2	38.9'E	84.2'N
OB-22B	2	38.9'E	80.6'N
B-8	2	38.9'E	80.6'N
OB-21	2	36.3'E	77.4'N
OB-19	2	34.1'E	73.2'N
OB-2	2	34.1'E	70.7'N
OB-1	2	34.1'E	68.1'N
B-4	2	29.6'E	99.4'N
B-4B	2	29.6'E	96.5'N
OB-14	2	27.4'E	138.8'N
OB-15	2	27.4'E	134.2'N
OB-26	2	27.4'E	129.4'N
IB-3	2	22.3'E	97.8'N
B-7	2	13.8'E	81.3'N
OB-23	2	13.8'E	79.3'N
OB-18	2	13.2'E	76.9'N
OB-11	2	13.2'E	70.2'N
OB-12	2	9.4'E	66.5'N
IB-4	3	65.5'E	101.8'N
OB-5	3	57.8'E	138.8'N
OB-8	3	57.7'E	135.2'N
OB-16	3	56.6'E	132.1'N
B-1	3	56.6'E	128.1'N
OB-25B	3	55.7'E	125.8'N
OB-25A	3	55.7'E	124.6'N
IB-8	3	46.0'E	117.8'N
B-5	3	49.8'E	106.2'N
IB-5	3	36.1'E	105.4'N
B-6	3	38.2'E	84.3'N
OB-24	3	38.2'E	81.1'N
OB-17	3	38.2'E	77.9'N
OB-9	3	38.4'E	75.9'N
OB-7	3	38.5'E	73.4'N
OB-10	3	38.5'E	70.9'N
OB-10	3	15.1'E	122.1'N
OB-31	3	15.1'E	127.6'N
IB-6	3	5.9'E	101.7'N
31B	4	56.5'E	139.1'N
31C	4	46.8'E	146.4'N
31A	4	37.7'E	145.9'N



POINT 4

P



EXPLANATION

A—A' LINE OF CROSS SECTION

GM-31A LOCATION AND DESIGNATION OF MONITORING WELL

OB-5 LOCATION AND DESIGNATION OF SOIL BORING

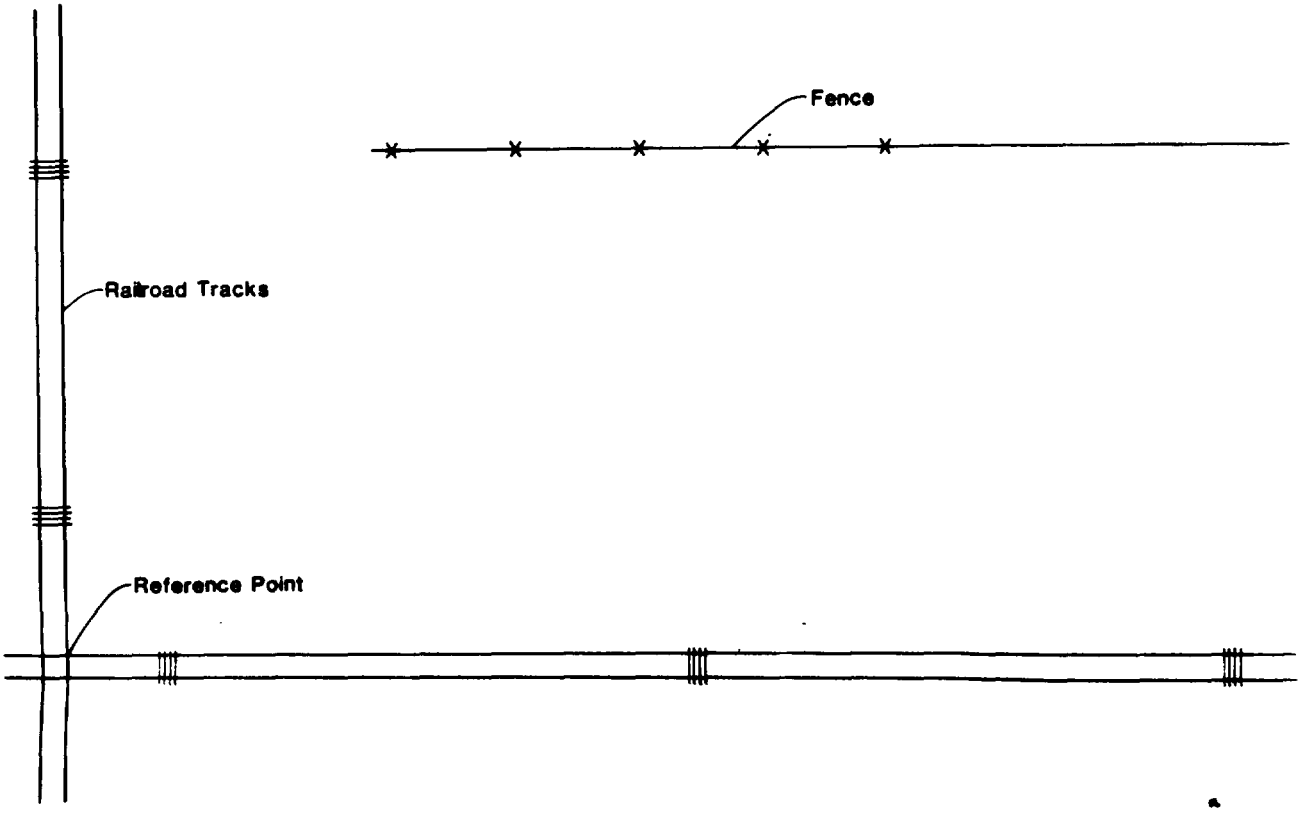
LATERAL EXTENT OF FILL

AREA OF EXCAVATION

—10— LINE OF EQUAL ELEVATION DESIGNATING 5' (FEET BELOW GRADE)

G1 APPROXIMATE LOCATION AND DESIGNATION OF GRAB SAMPLE

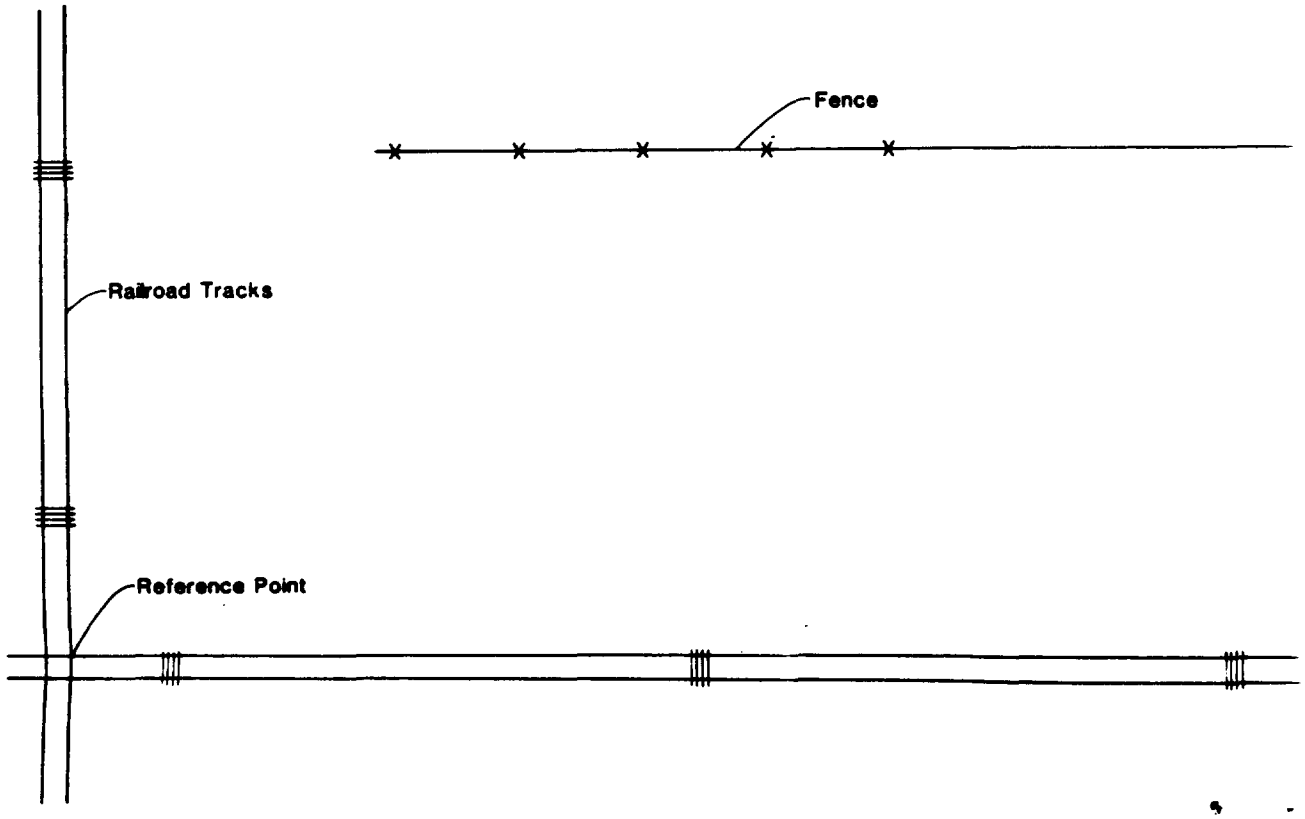
OB-25B	420.20'	OB-21	416.28'
OB-25A	420.16'	OB-22A	416.41'
B-5	420.89'	OB-19	416.25'
IB-5	419.50'	OB-2	416.09'
OB-10	417.81'	OB-1	415.94'
OB-7	417.84'	OB-12	417.35'
OB-9	417.67'	OB-11	417.09'
OB-17	417.28'	OB-18	417.09'
OB-24	417.25'	OB-23	416.95'
B-6	417.35'	B-7	417.05'
OB-30	417.29'	31A	418.63'
OB-31	417.43'	31B	418.92'
IB-6	417.60'	31C	419.29'
OB-32	415.49'	IB-3	416.71'
OB-33	415.82'	B-4	416.68'
OB-34	415.06'	B-4B	416.66'
OB-35	414.92'	IB-8	419.87'
OB-36	414.73'		



NOTE Base Map And Survey Work Was Completed
By John Mathes & Associates, Inc.

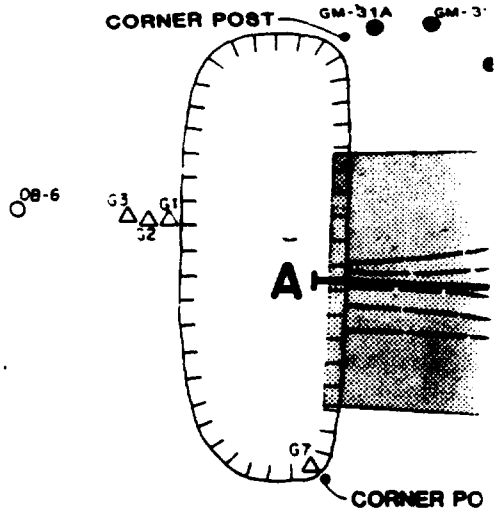
6/5 86

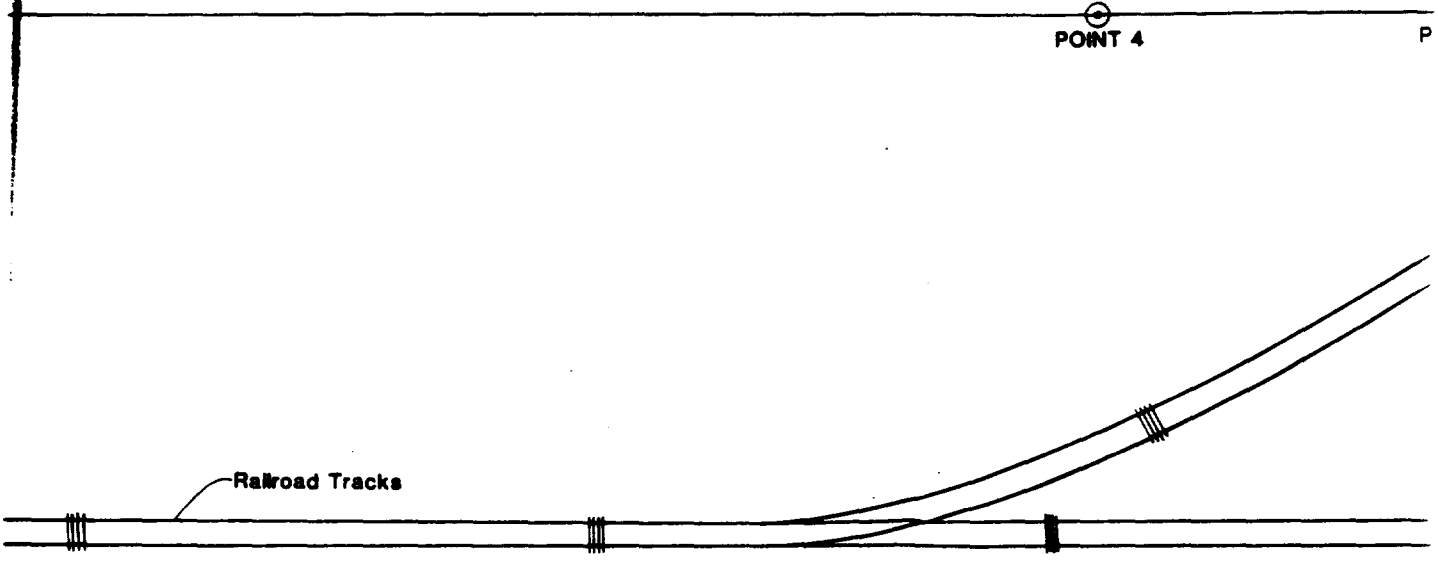
		[illegible]	416.08'
OB-25B	420.20'	OB-21	416.28'
OB-25A	420.16'	OB-22A	416.41'
B-5	420.89'	OB-19	416.25'
OB-5	419.50'	OB-2	416.09'
OB-10	417.81'	OB-1	415.94'
OB-7	417.84'	OB-12	417.35'
OB-9	417.67'	OB-11	417.09'
OB-17	417.28'	OB-18	417.09'
OB-24	417.25'	OB-23	416.95'
B-6	417.35'	B-7	417.05'
OB-30	417.29'	31A	418.63'
OB-31	417.43'	31B	418.92'
IB-6	417.60'	31C	419.29'
OB-32	415.49'	IB-3	416.71'
OB-33	415.82'	B-4	416.68'
OB-34	415.06'	B-4B	416.66'
OB-35	414.92'	IB-8	419.87'
OB-36	414.73'		



NOTE Base Map And Survey Work Was Completed
By John Mathes & Associates, Inc.

OB-13	2	[illegible]	[illegible]
OB-20A	2	74.6'E	117.1'N
OB-20B	2	74.6'E	119.6'N
B-2	2	54.8'E	[illegible]
IB-2	2	54.8'E	96.9'N
OB-22A	2	38.9'E	84.9'N
OB-22B	2	38.9'E	84.2'N
B-8	2	38.9'E	80.6'N
OB-21	2	36.3'E	77.4'N
OB-19	2	34.1'E	73.2'N
OB-2	2	34.1'E	70.7'N
OB-1	2	34.1'E	68.1'N
B-4	2	29.6'E	99.4'N
B-4B	2	29.6'E	96.5'N
OB-14	2	27.4'E	138.8'N
OB-15	2	27.4'E	134.2'N
OB-26	2	27.4'E	129.4'N
IB-3	2	22.3'E	97.8'N
B-7	2	13.8'E	81.3'N
OB-23	2	13.8'E	79.3'N
OB-18	2	13.2'E	76.9'N
OB-11	2	13.2'E	70.2'N
OB-12	2	9.4'E	66.5'N
IB-4	3	65.5'E	101.8'N
OB-5	3	57.8'E	138.8'N
OB-8	3	57.7'E	135.2'N
OB-16	3	56.6'E	132.1'N
B-1	3	56.6'E	128.1'N
OB-25B	3	55.7'E	125.8'N
OB-25A	3	55.7'E	124.6'N
IB-8	3	46.0'E	117.8'N
B-5	3	49.8'E	106.2'N
IB-5	3	36.1'E	105.4'N
B-6	3	38.2'E	84.3'N
OB-24	3	38.2'E	81.1'N
OB-17	3	38.2'E	77.9'N
OB-9	3	38.4'E	75.9'N
OB-7	3	38.5'E	73.4'N
OB-10	3	38.5'E	70.9'N
OB-30	3	15.1'E	122.1'N
OB-31	3	15.1'E	127.6'N
IB-6	3	5.9'E	101.7'N
31B	4	56.5'E	139.1'N
31C	4	46.8'E	146.4'N
31A	4	37.7'E	145.9'N





EXPLANATION

A—A' LINE OF CROSS SECTION

GM-31A LOCATION AND DESIGNATION OF MONITORING WELL

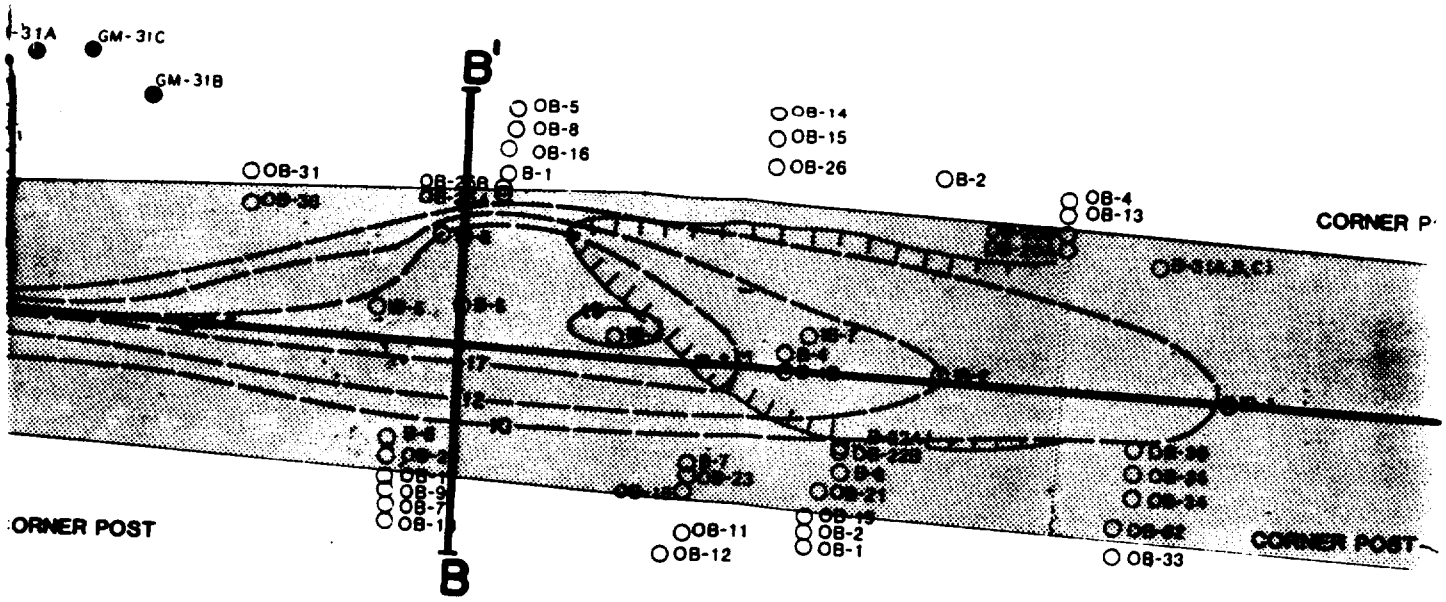
OB-5 LOCATION AND DESIGNATION OF SOIL BORING

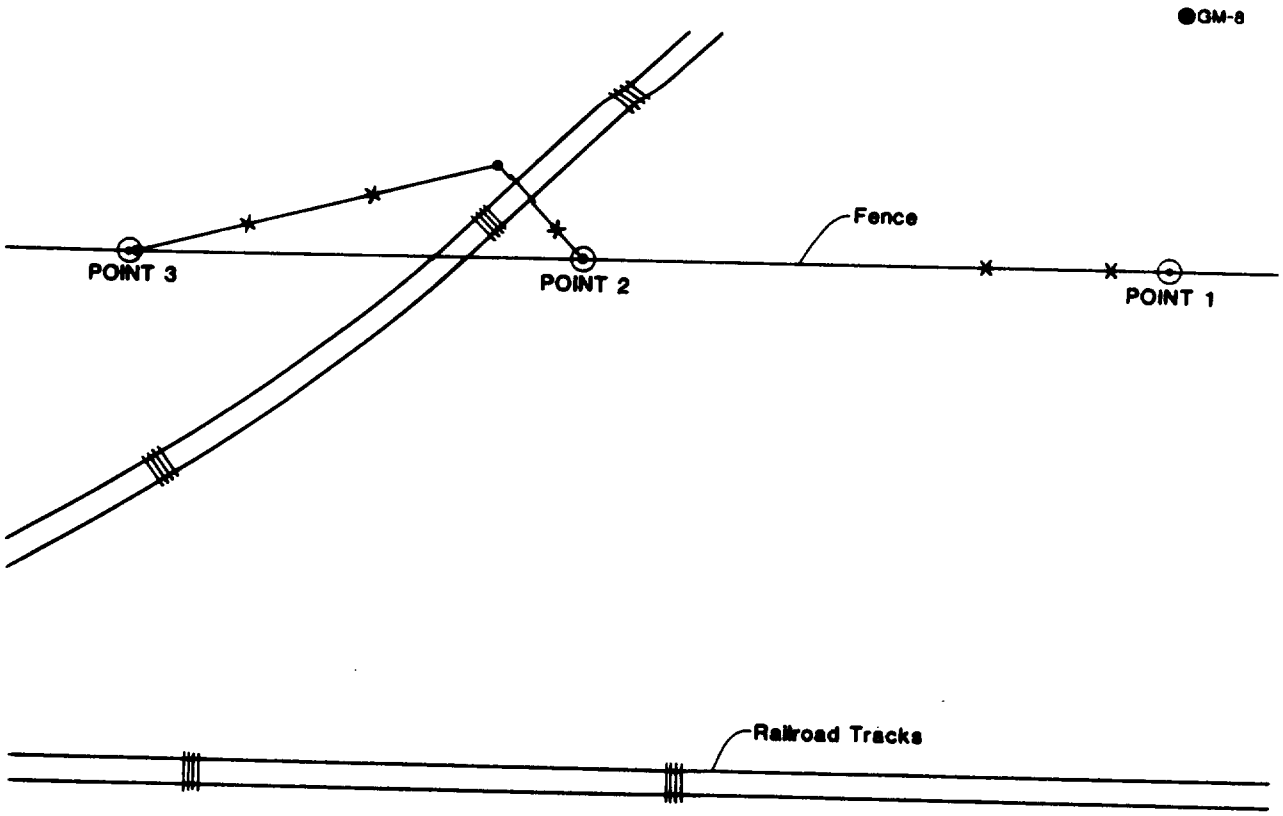
LATERAL EXTENT OF FILL

AREA OF EXCAVATION

—10— LINE OF EQUAL ELEVATION DESIGNATING S (FEET BELOW GRADE)

G1 APPROXIMATE LOCATION AND DESIGNATION OF GRAB SAMPLE





TING BASE OF FILL

JATION

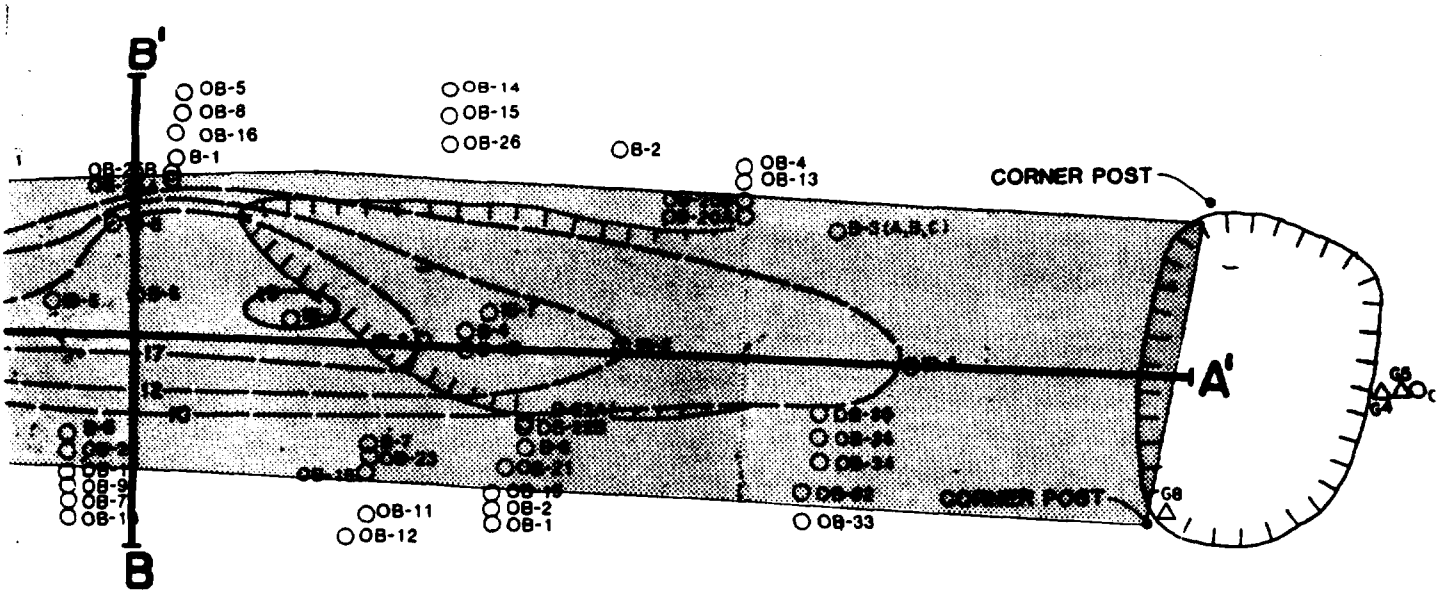
FIGURE 1

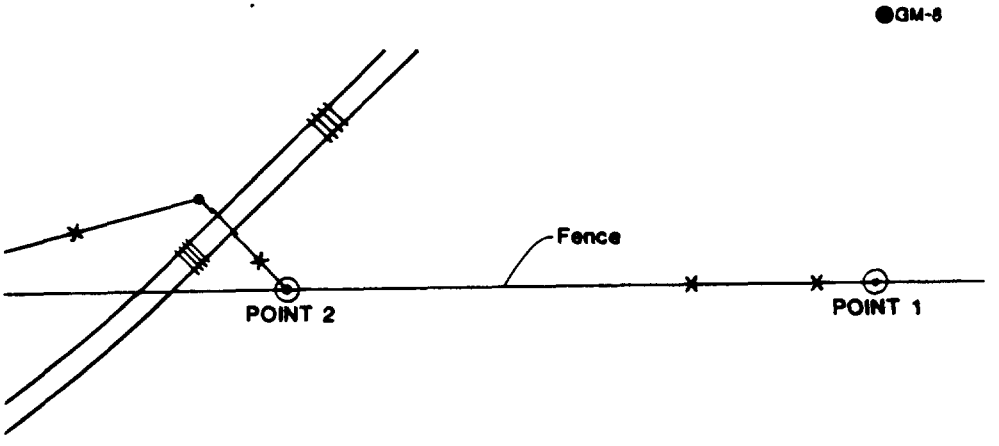
DEPTH OF

0 40 FEET

MONSANTO COM

SAUGET, ILLIN





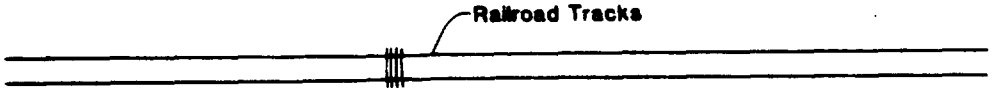


FIGURE 1

DEPTH OF FILL

0 40 FEET

MONSANTO COMPANY
SAUGET, ILLINOIS

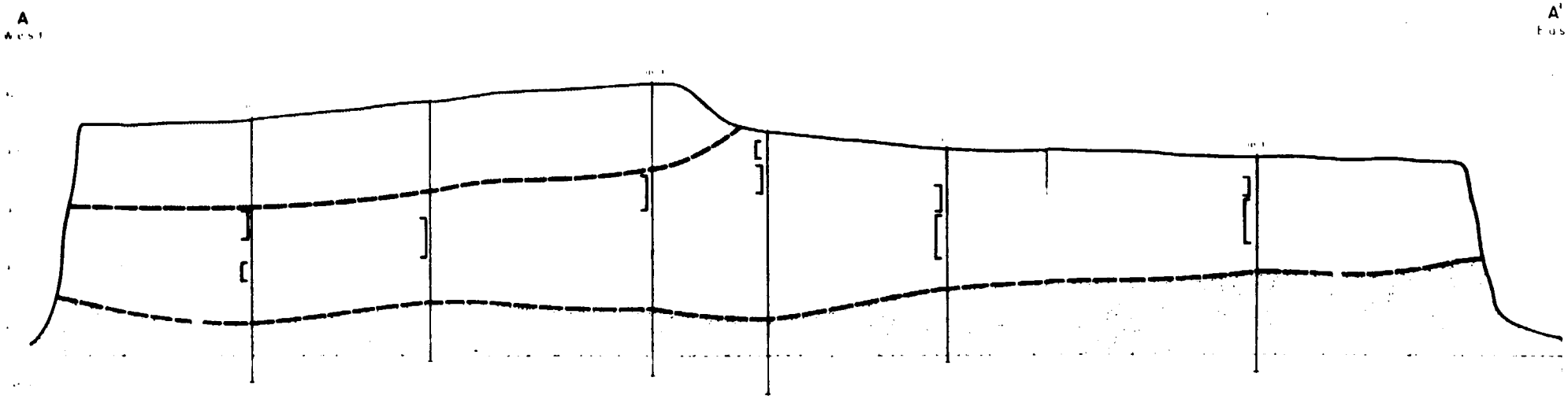
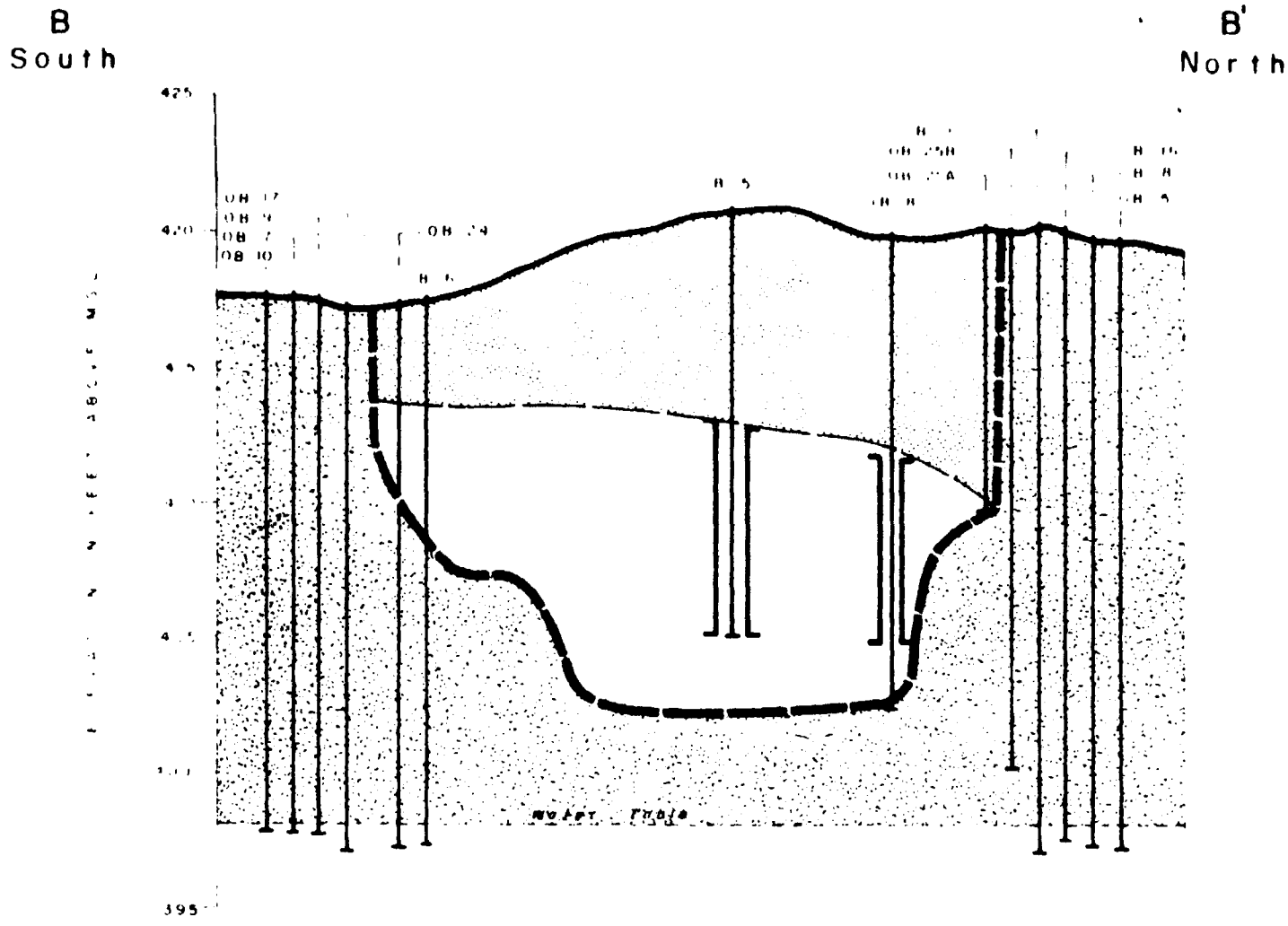


FIGURE 2

EAST-WEST CROSS-SECTION (A-A')

MONSANTO COMPANY
SAUGET, ILLINOIS



- E X P L A N A T I O N

OB 24	LOCATION AND DESIGNATION OF SOIL BORING
[	AREA OF BLACK VISCOUS MATERIAL
]	AREA OF YELLOW CRYSTALLINE MATERIAL
	CLAY FILL
	NATURAL MATERIAL
	FILL

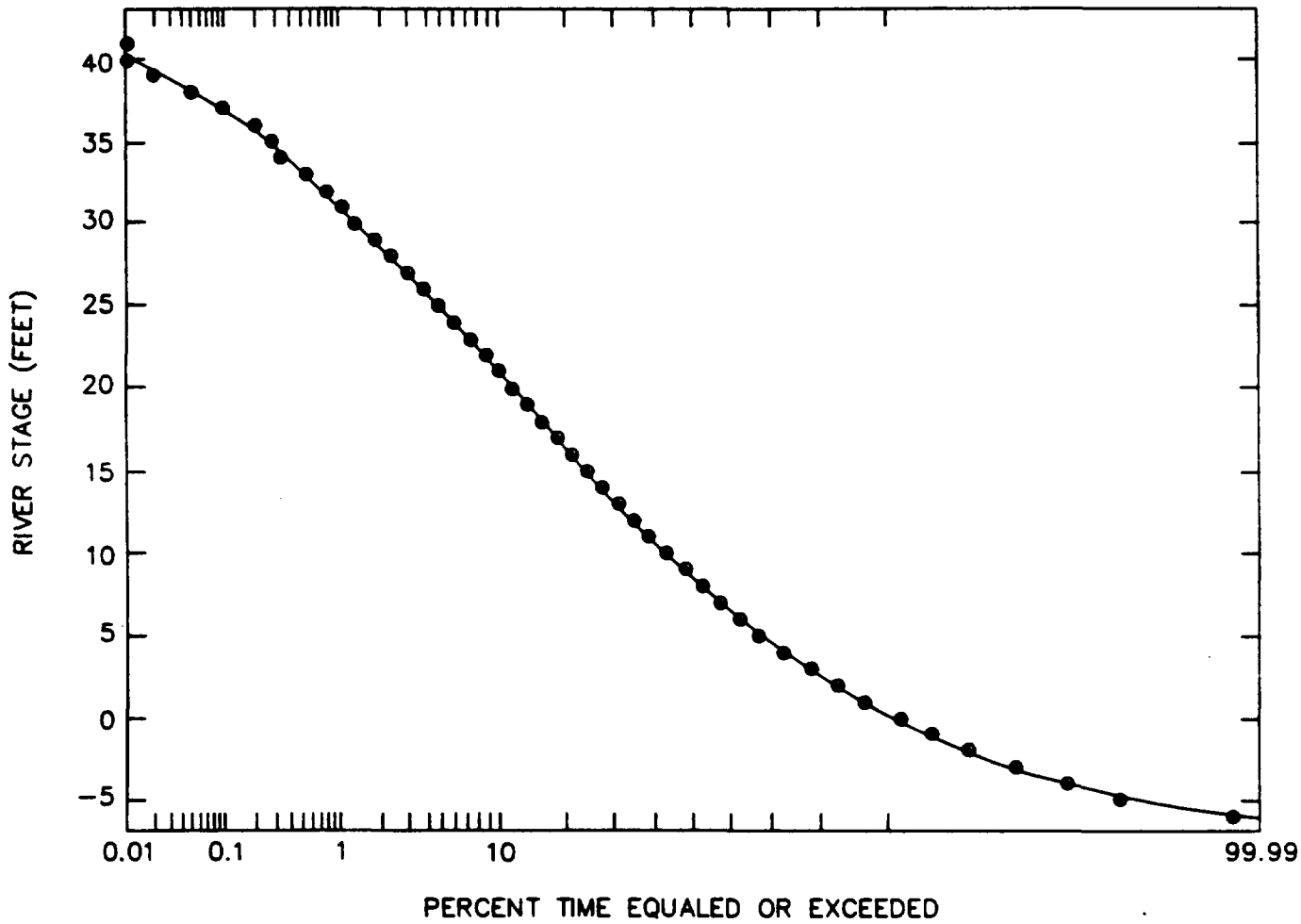
FIGURE 3

NORTH-SOUTH CROSS-SECTION (B-B')

MONSANTO COMPANY
SAUGET, ILLINOIS

0 10 20 FT

GERAGHTY & MILLER, INC. Ground-Water Consultants	COMPILED BY: B. Blum	DATE: 10-86	SCALE: SHOWN	PREPARED FOR: MONSANTO COMPANY Sauget, Illinois
	PREPARED BY: W.H. Cicio	FILE NO:		
	PROJECT MGR.: N. Valkenburg			



SUBJECT:

STAGE-DURATION (1895 - 1974)
ANNUAL AVERAGE MISSISSIPPI RIVER STAGE

FIGURE 4