

AGENCY REVIEW DRAFT

**Remedial Investigation
Report Exhibits**

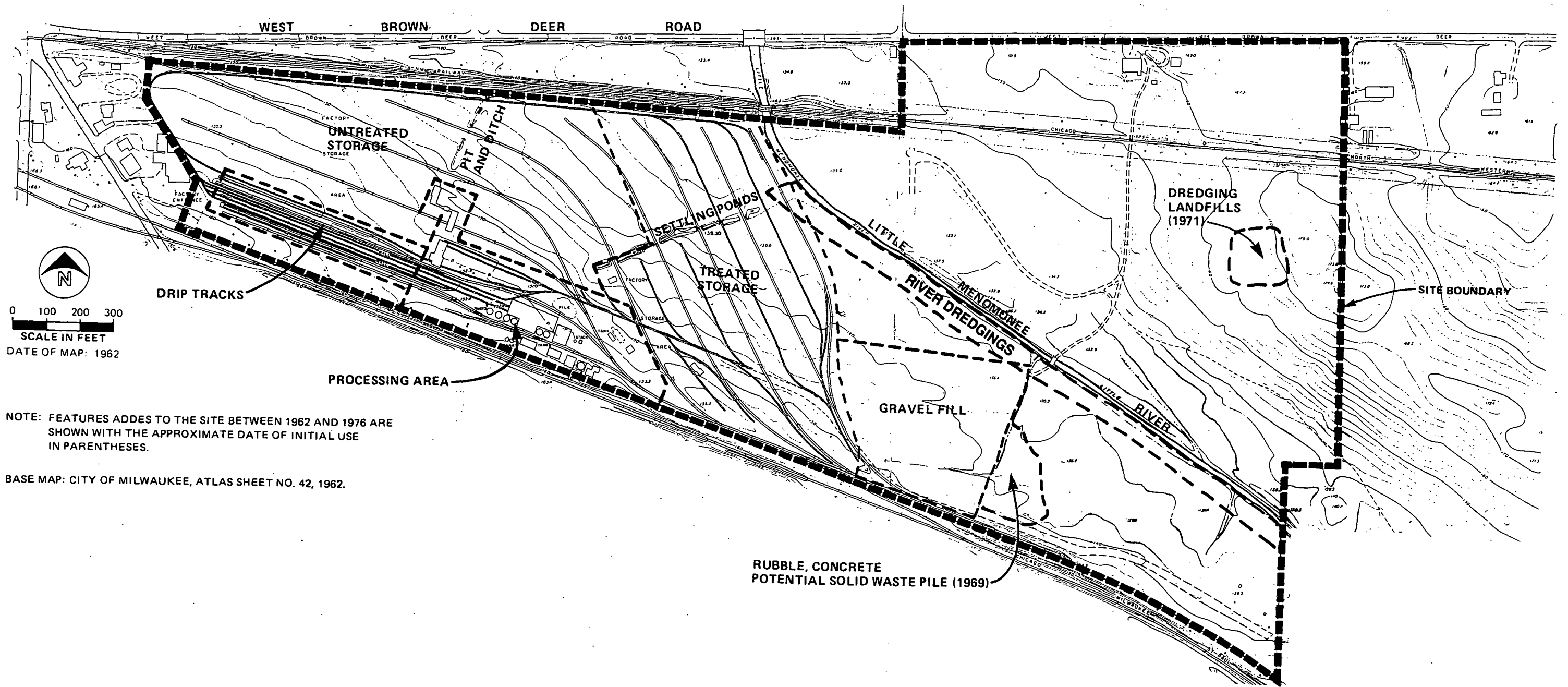
**MOSS-AMERICAN SITE
Milwaukee, Wisconsin**

August 16, 1989

RECEIVED

SEP 13 1989

BUREAU OF SOLID &
HAZARDOUS WASTE MANAGEMENT



NOTE: FEATURES ADDED TO THE SITE BETWEEN 1962 AND 1976 ARE SHOWN WITH THE APPROXIMATE DATE OF INITIAL USE IN PARENTHESES.

BASE MAP: CITY OF MILWAUKEE, ATLAS SHEET NO. 42, 1962.

FIGURE 1-3
HISTORICAL LAND USE
MOSS-AMERICAN RI

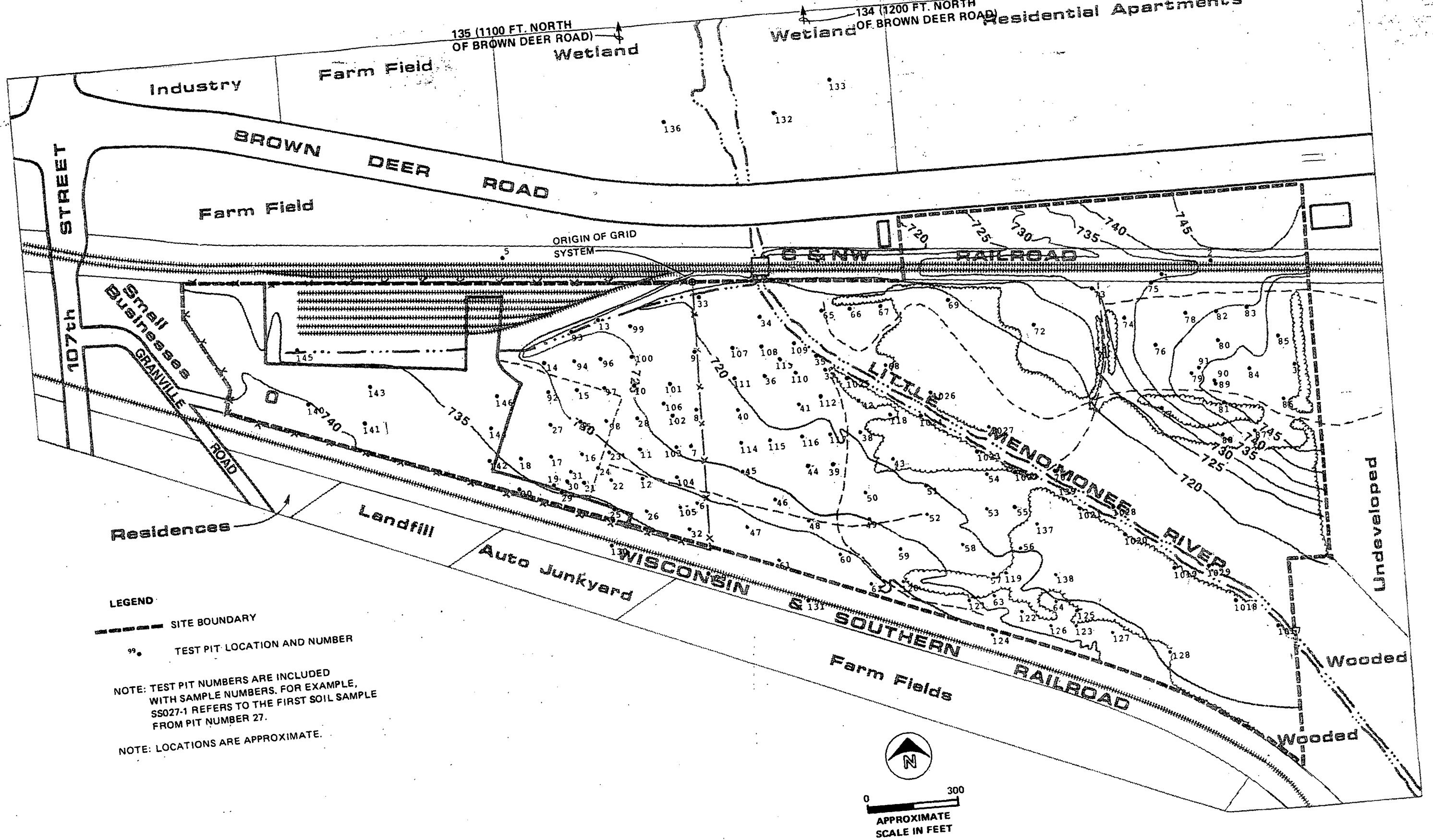
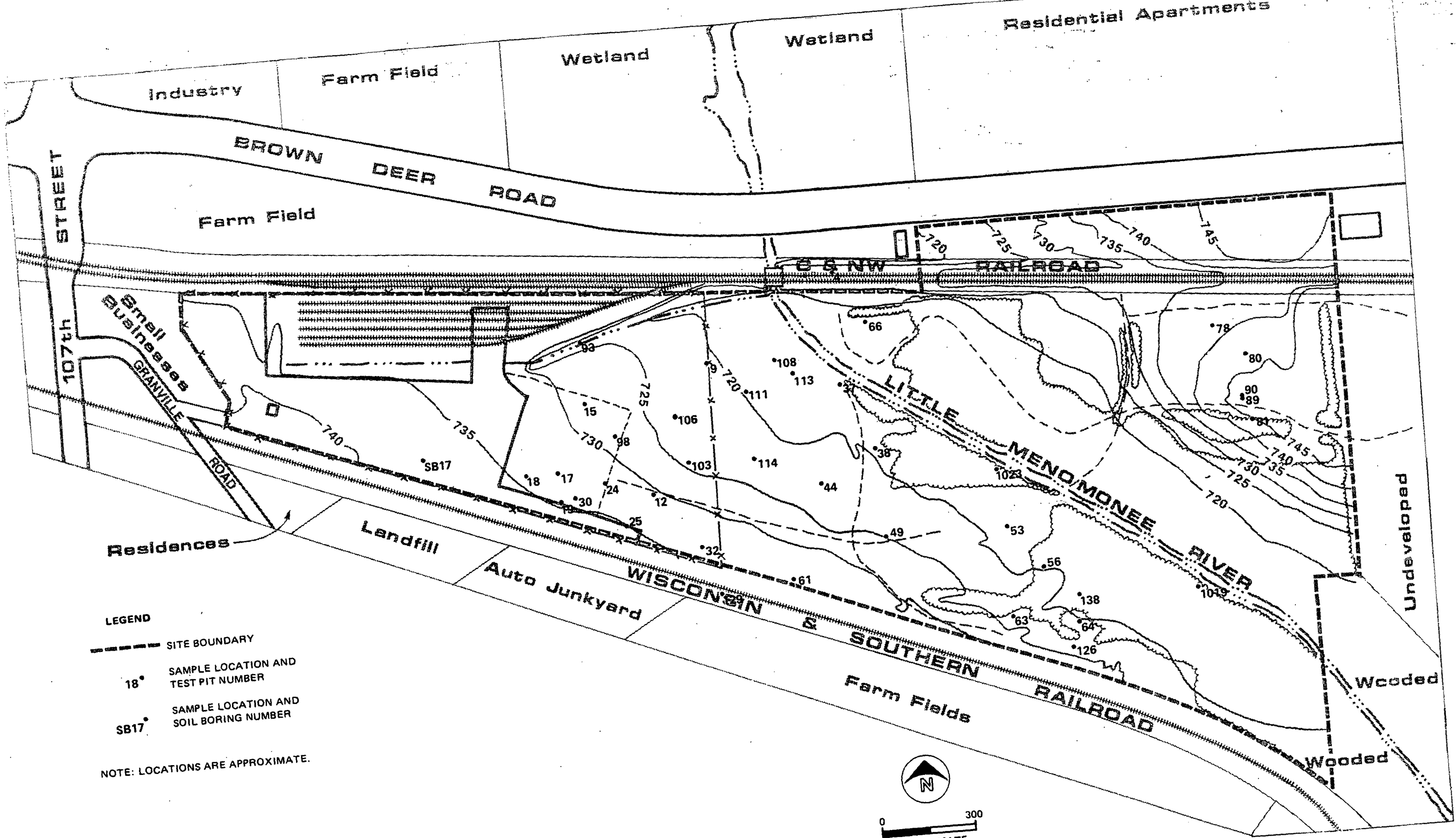


FIGURE 1-4
 SURFACE SOIL SAMPLING LOCATIONS
 MOSS-AMERICAN RI



- LEGEND**
- SITE BOUNDARY
 - 18° SAMPLE LOCATION AND TEST PIT NUMBER
 - SB17° SAMPLE LOCATION AND SOIL BORING NUMBER

NOTE: LOCATIONS ARE APPROXIMATE.

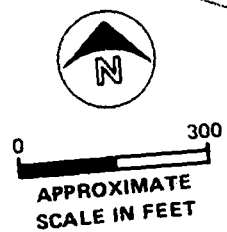


FIGURE 1-5
SAMPLING LOCATIONS FOR
PAH AND PHENOLIC ACID
COMPOUND ANALYSIS
 MOSS-AMERICAN RI

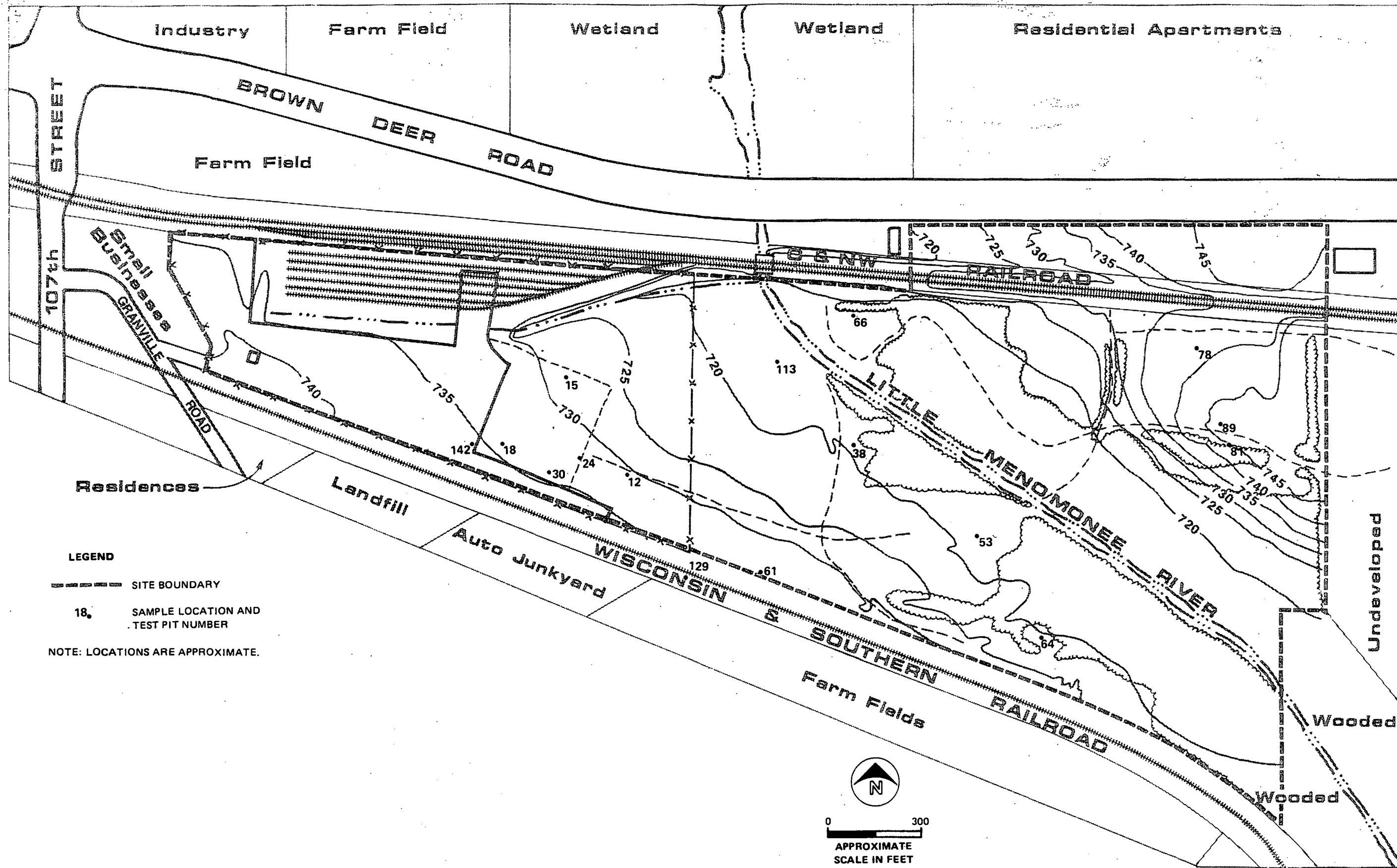


FIGURE 1-6
 SAMPLING LOCATIONS
 FOR CLP ANALYSES
 MOSS-AMERICAN RI

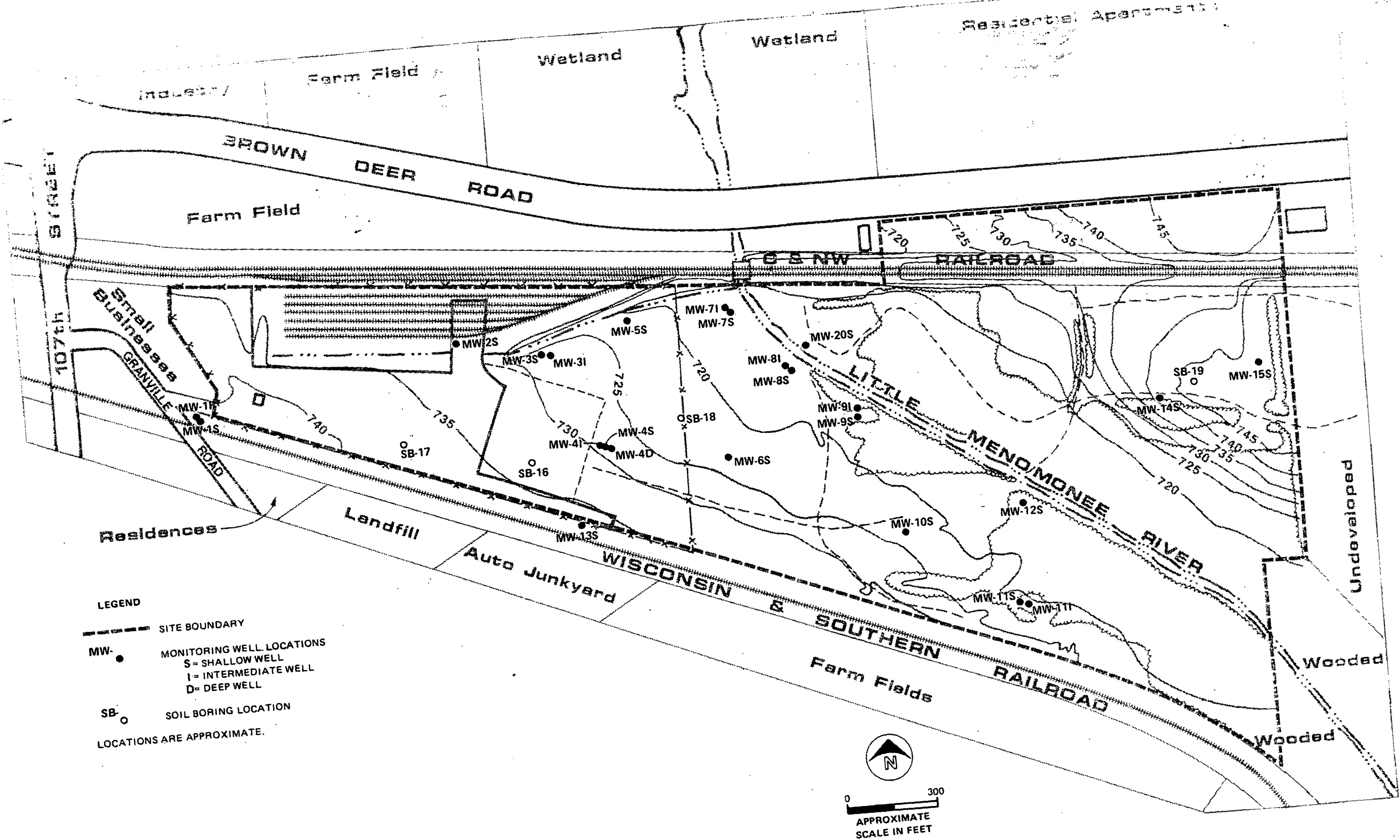


FIGURE 1-7
 MONITORING WELL AND
 SOIL BORING LOCATIONS
 MOSS-AMERICAN RI

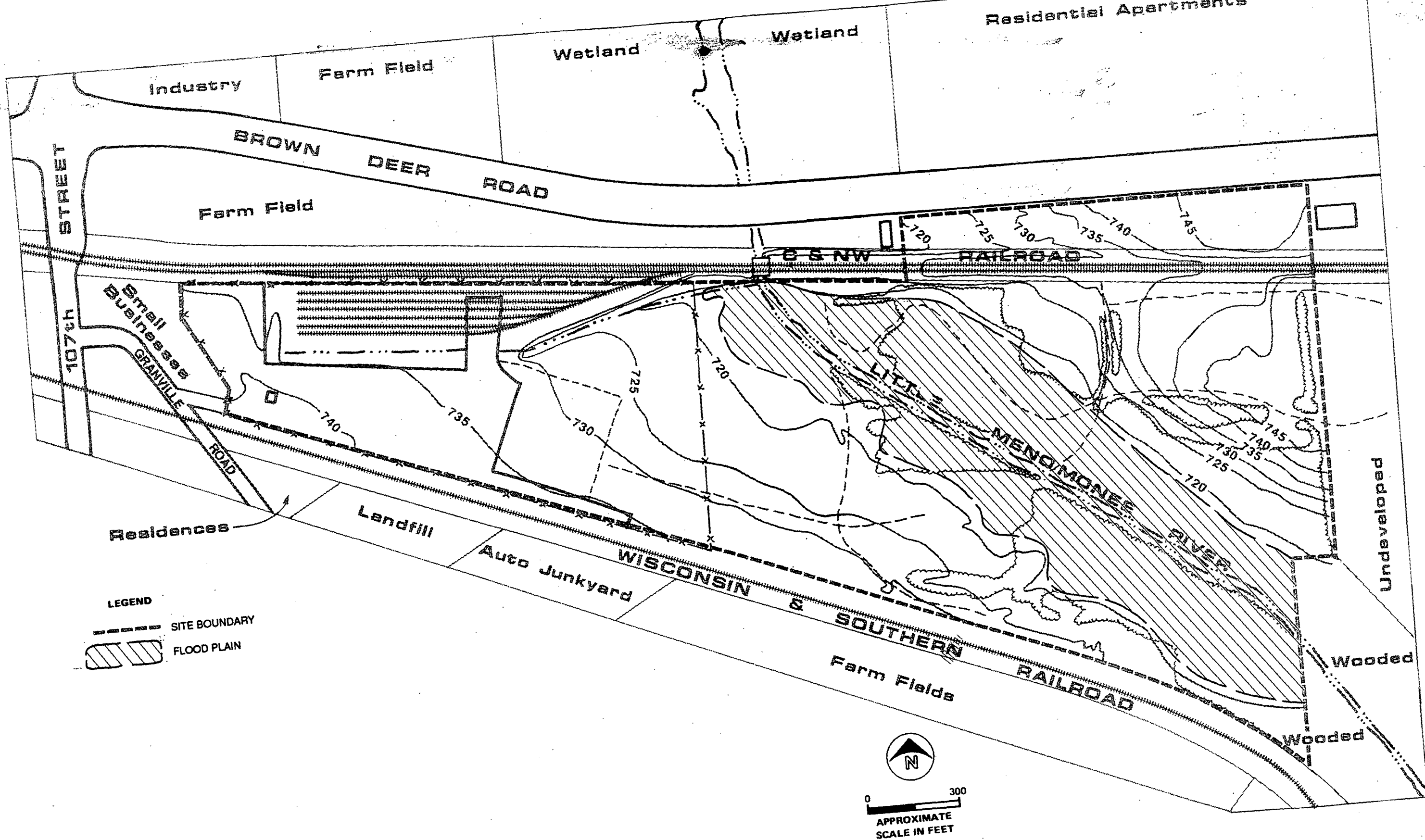
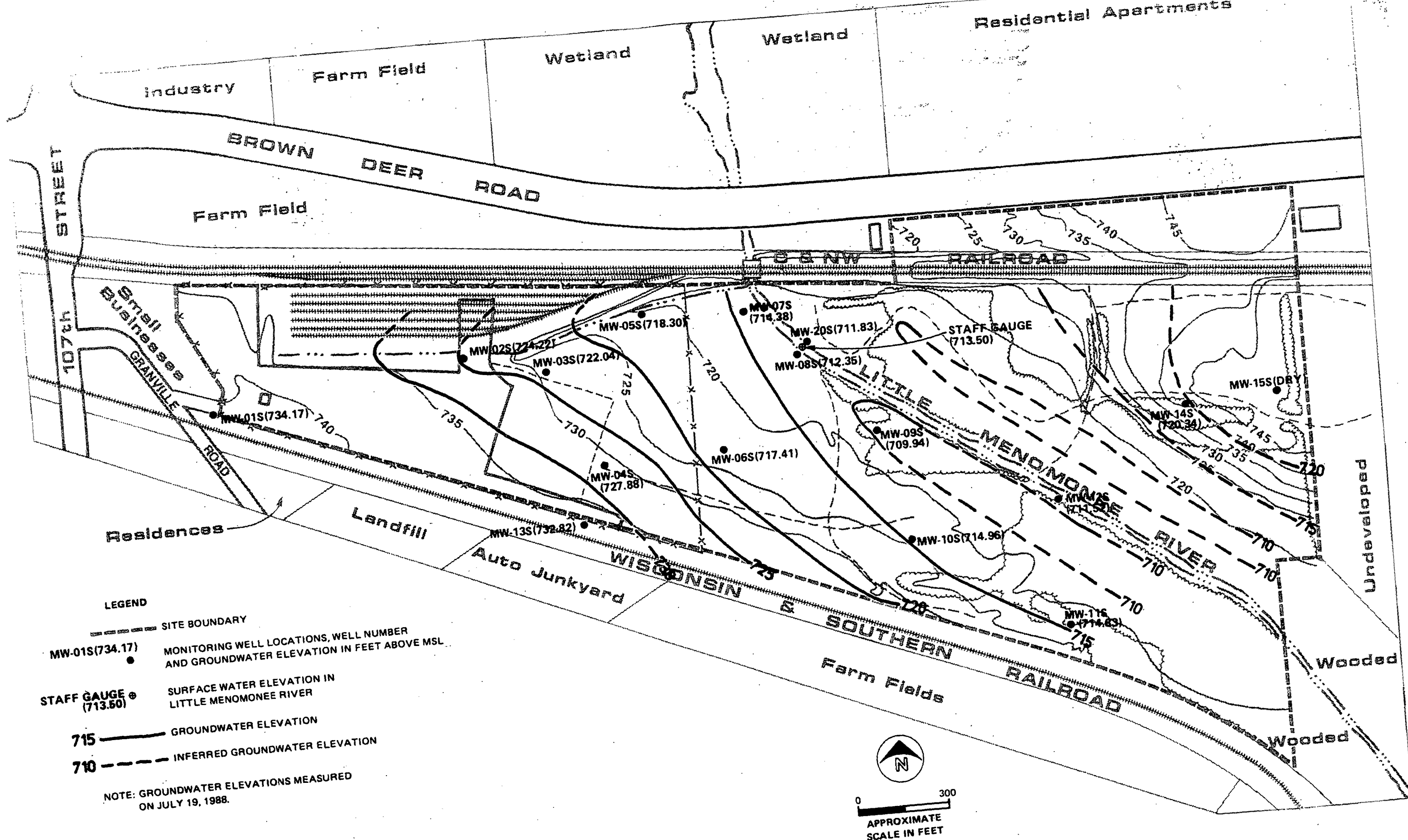


FIGURE 2-3
100-YEAR FLOOD PLAIN
MOSS-AMERICAN RI



LEGEND

--- SITE BOUNDARY

MW-01S(734.17) ● MONITORING WELL LOCATIONS, WELL NUMBER AND GROUNDWATER ELEVATION IN FEET ABOVE MSL

⊙ STAFF GAUGE (713.50) SURFACE WATER ELEVATION IN LITTLE MENOMONEE RIVER

715 ——— GROUNDWATER ELEVATION

710 - - - - - INFERRED GROUNDWATER ELEVATION

NOTE: GROUNDWATER ELEVATIONS MEASURED ON JULY 19, 1988.

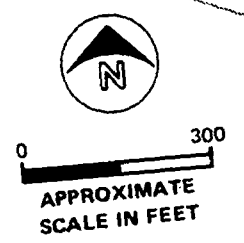
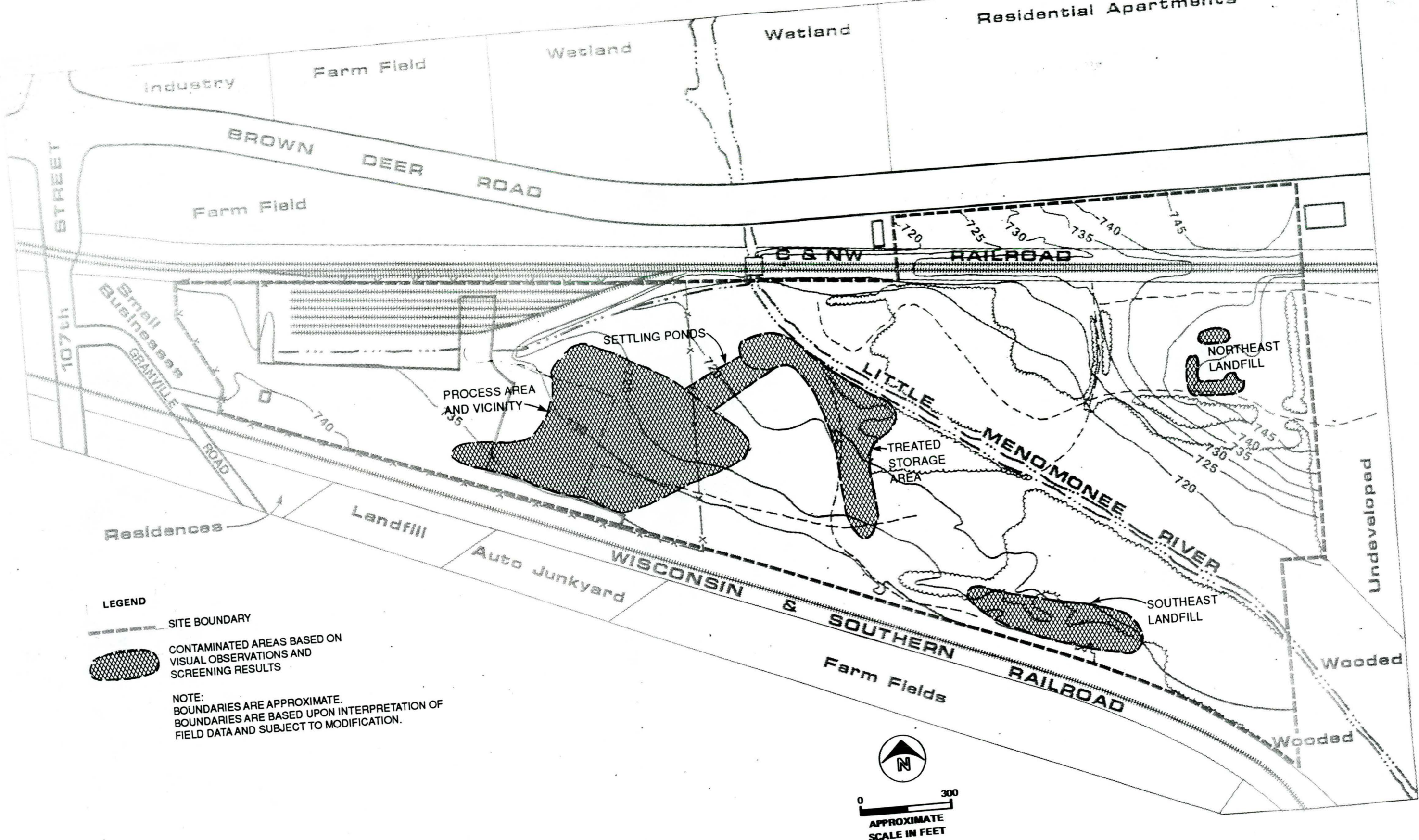


FIGURE 2-4
GROUNDWATER ELEVATION
CONTOUR MAP
 MOSS-AMERICAN RI



LEGEND

--- SITE BOUNDARY

▨ CONTAMINATED AREAS BASED ON VISUAL OBSERVATIONS AND SCREENING RESULTS

NOTE:
 BOUNDARIES ARE APPROXIMATE.
 BOUNDARIES ARE BASED UPON INTERPRETATION OF FIELD DATA AND SUBJECT TO MODIFICATION.

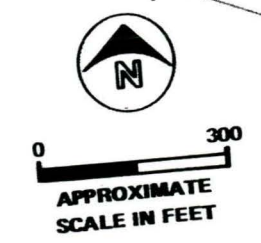


FIGURE 3-1
AREAS OF POTENTIAL CONCERN
 MOSS - AMERICAN RI

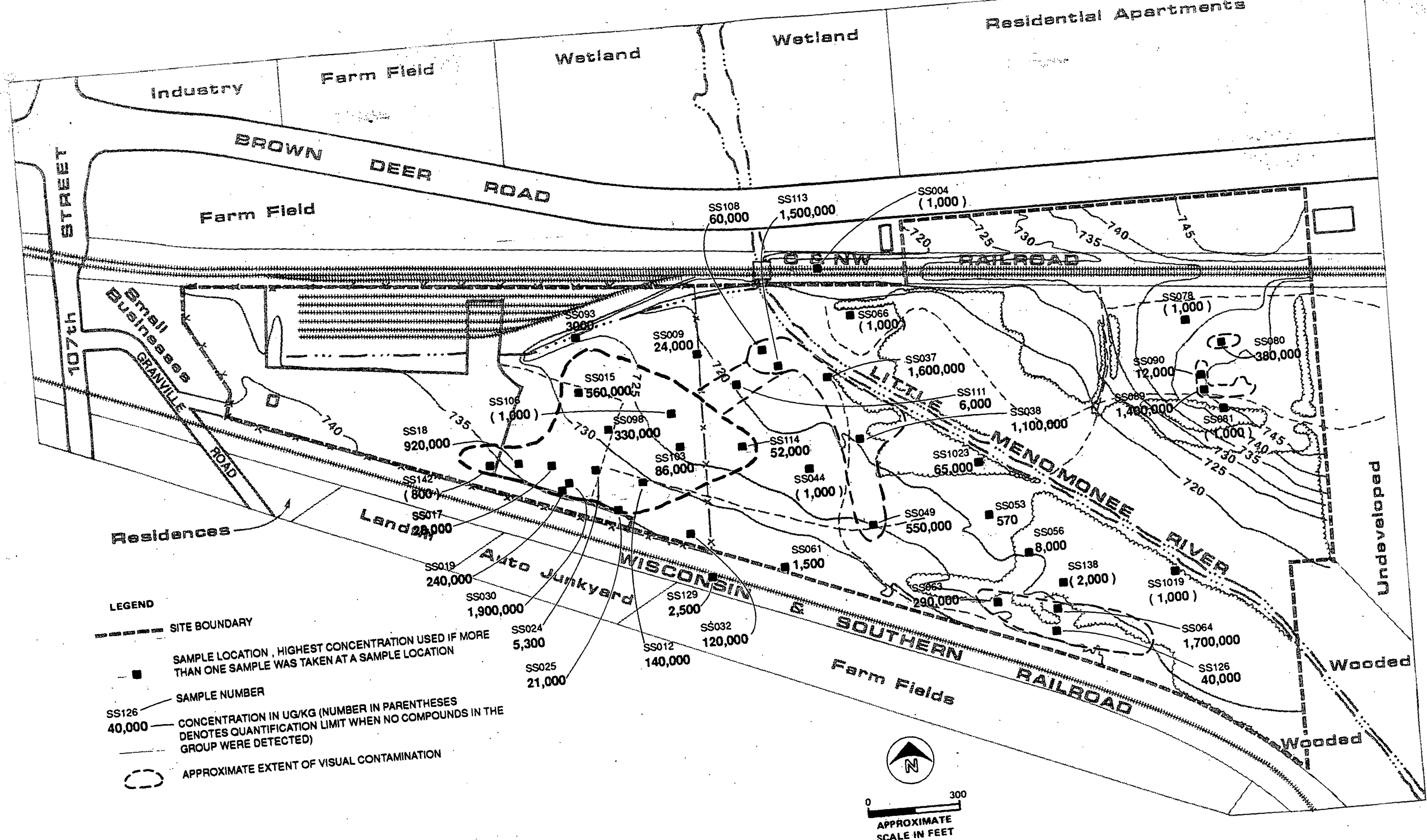


FIGURE 3-2
 SUM OF CARCINOGENIC PAHS
 IN SURFACE SOIL (0-4')
 MOSS - AMERICAN RI

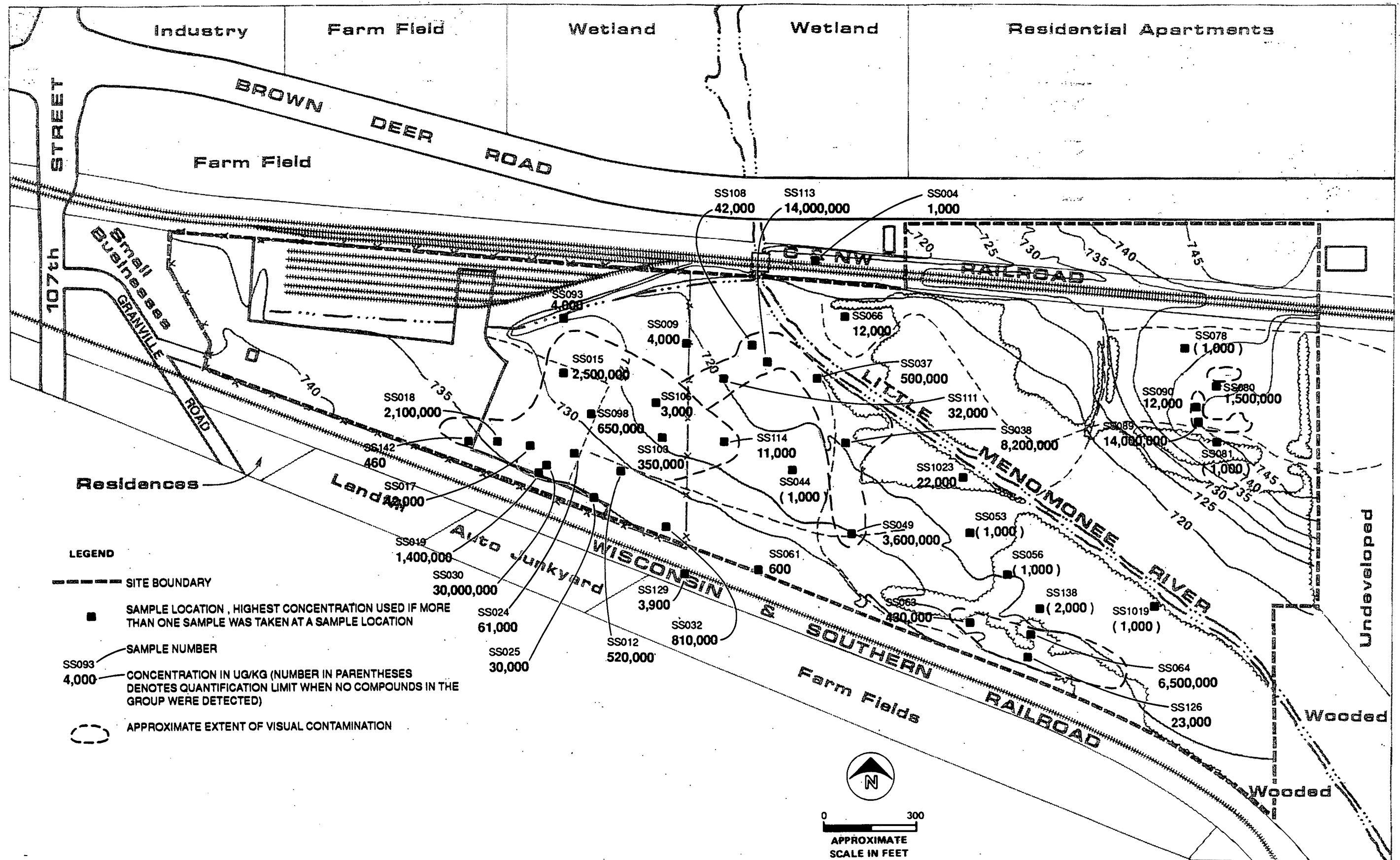


FIGURE 3-3
SUM OF NONCARCINOGENIC PAHS
IN SURFACE SOIL (0-4')
 MOSS - AMERICAN RI

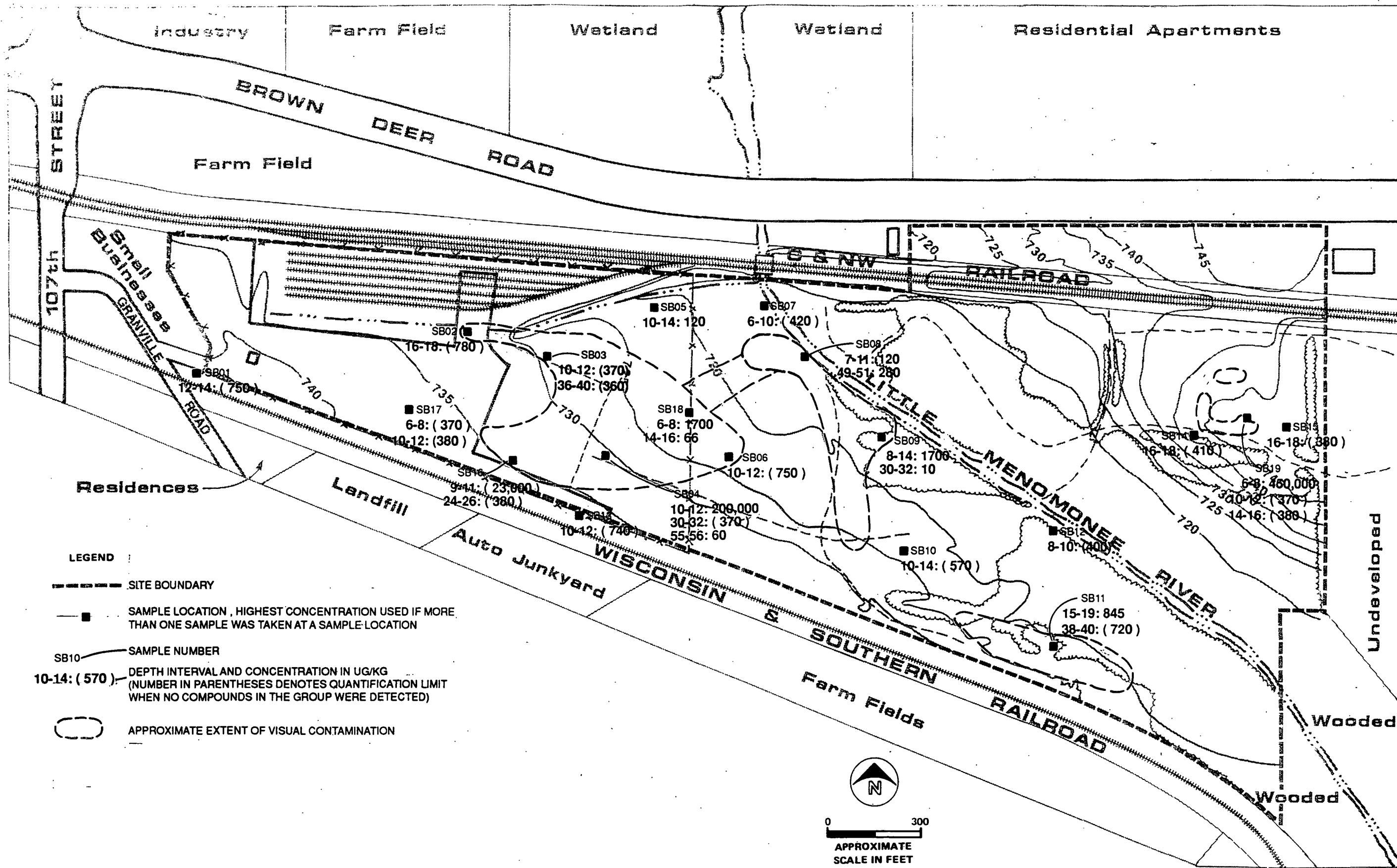


FIGURE 3-4
SUM OF CARCINOGENIC PAHs
IN SUBSURFACE SOILS
 MOSS - AMERICAN RI

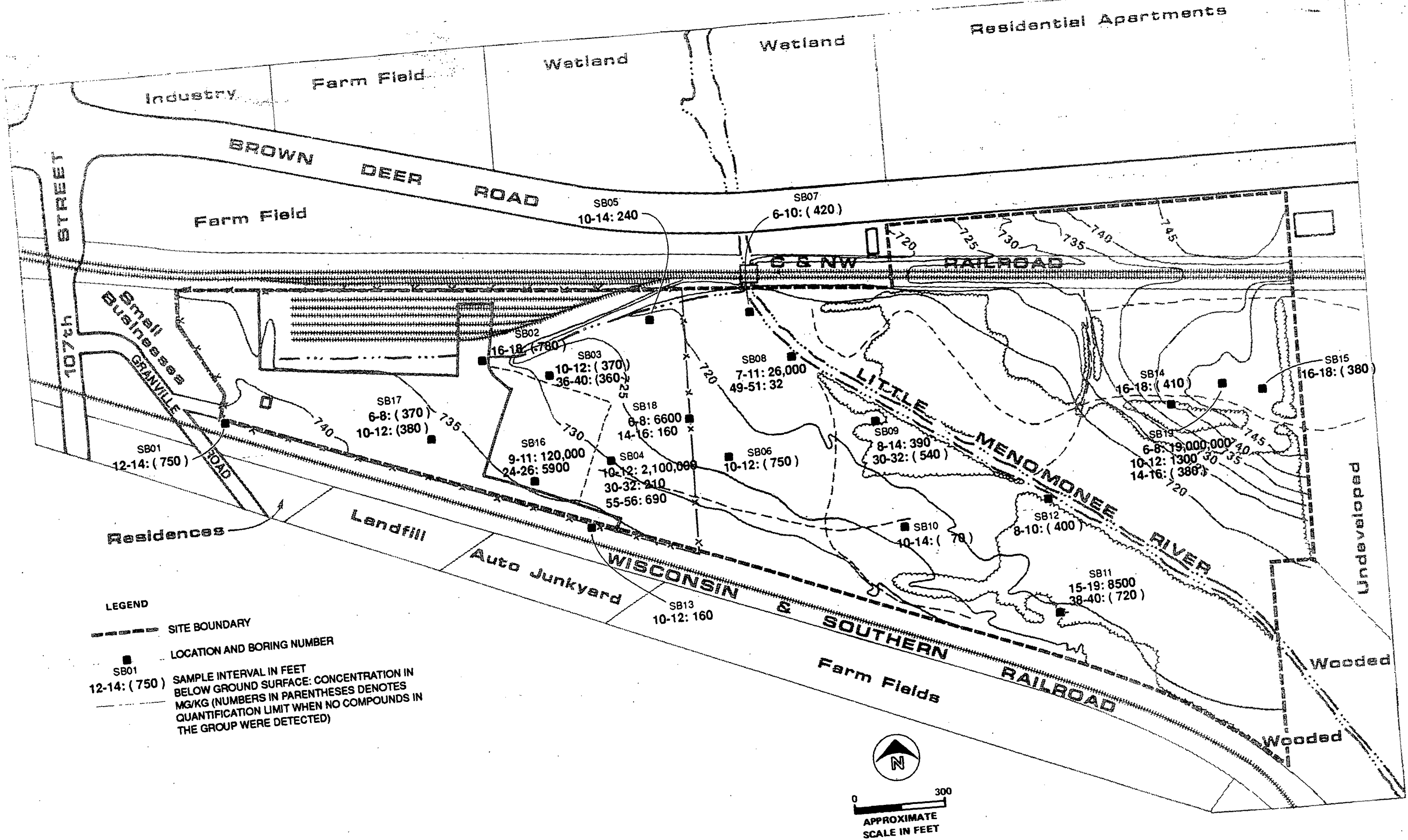


FIGURE 3-5
SUM OF NONCARCINOGENIC PAHS
IN SUBSURFACE SOILS
 MOSS - AMERICAN RI

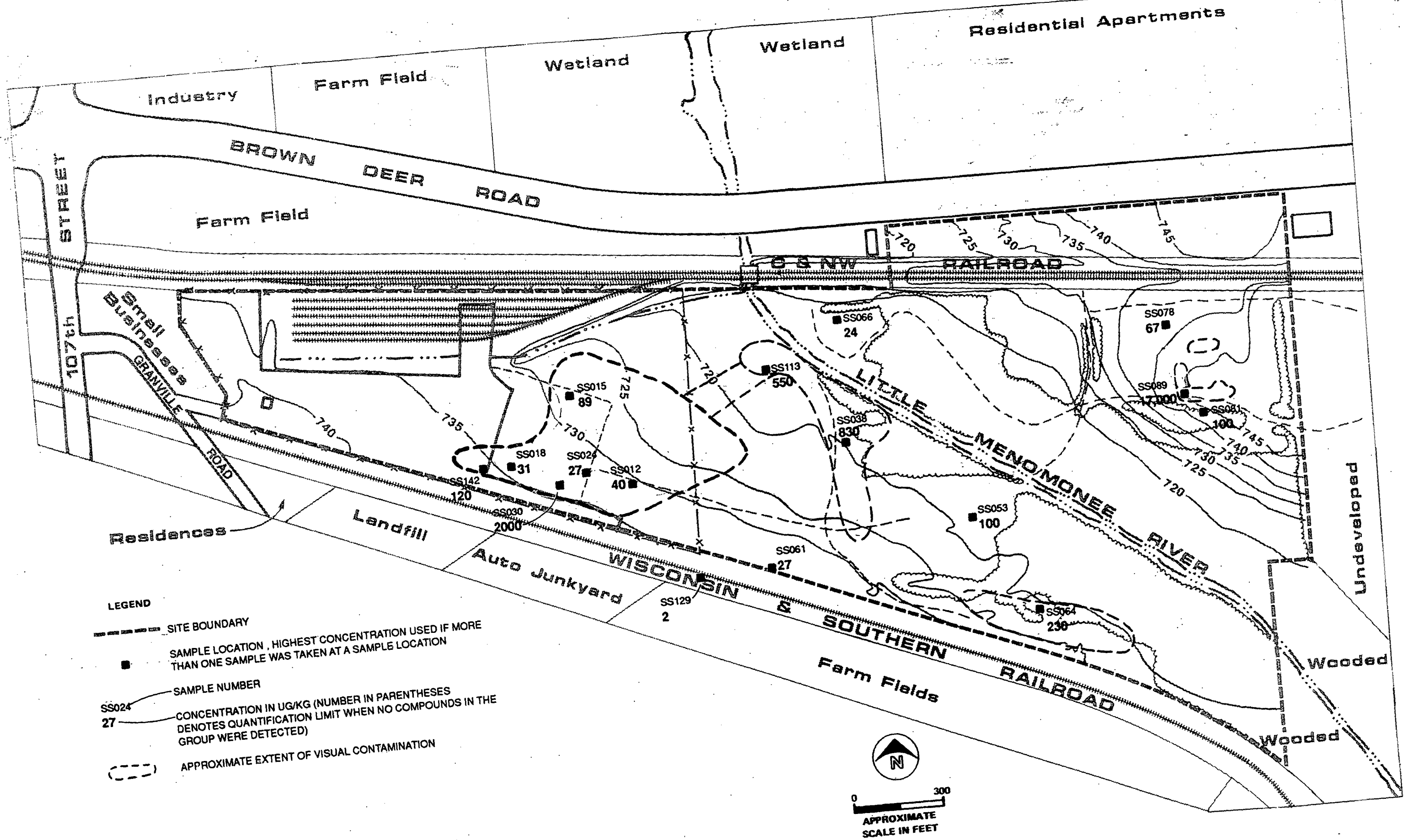


FIGURE 3-6
SUM OF BTX
IN SURFACE SOIL (0-4')
 MOSS - AMERICAN RI

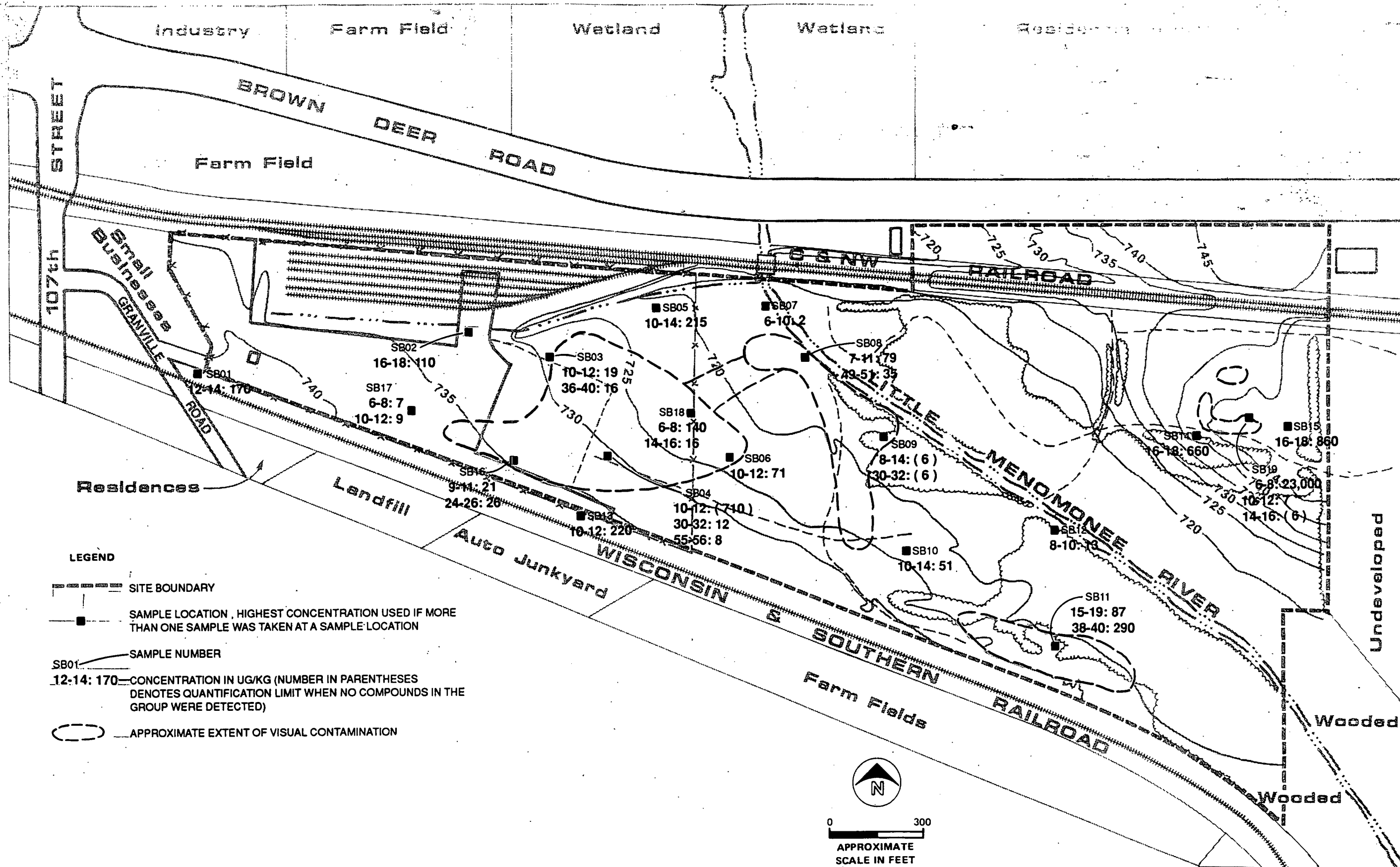
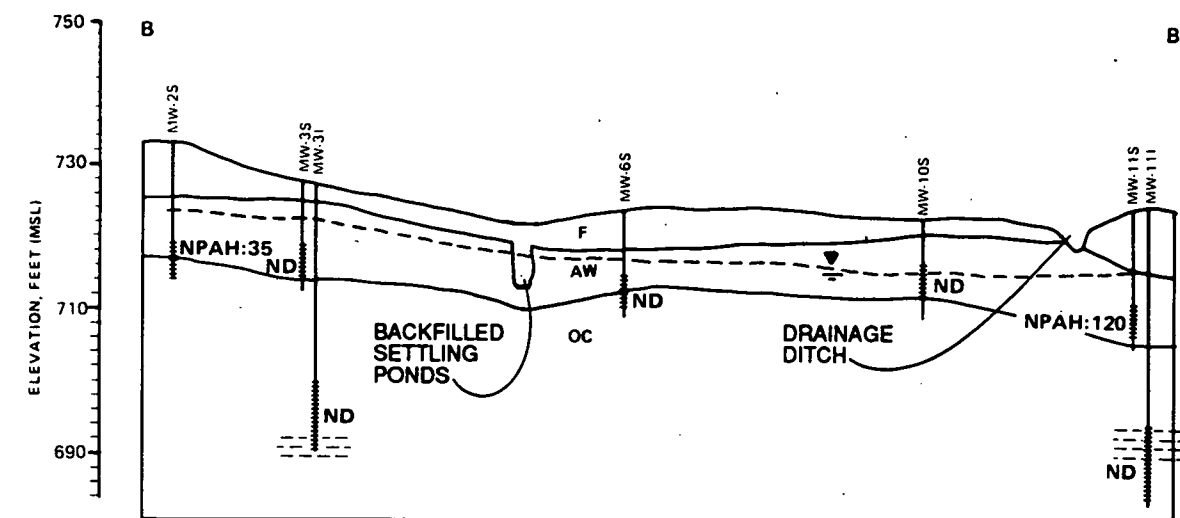
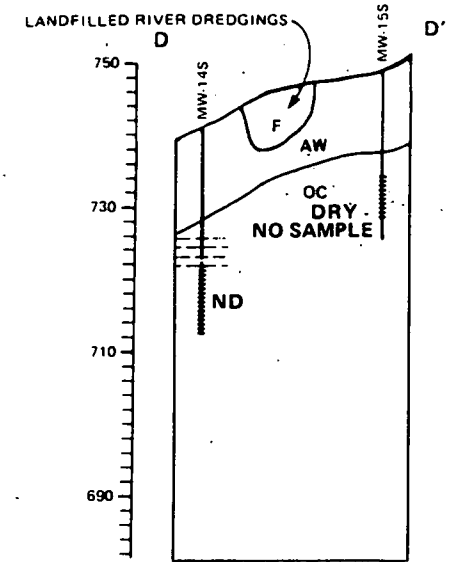
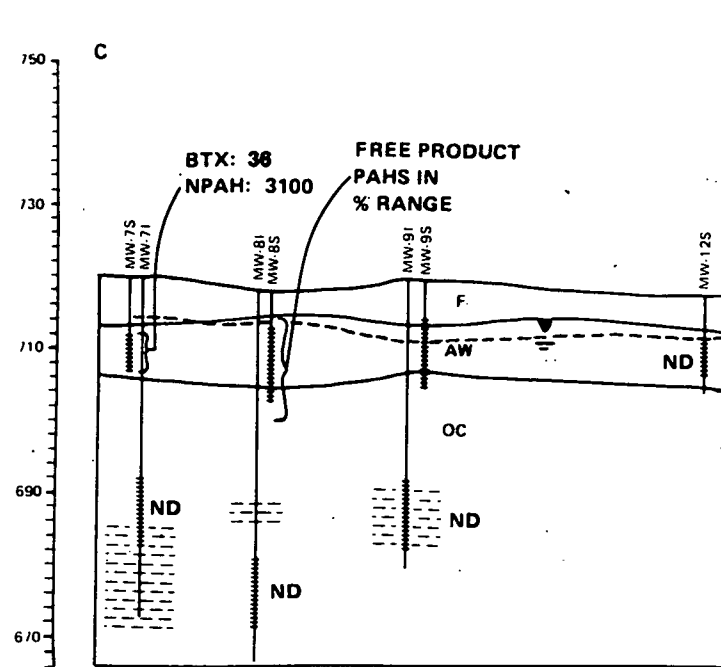
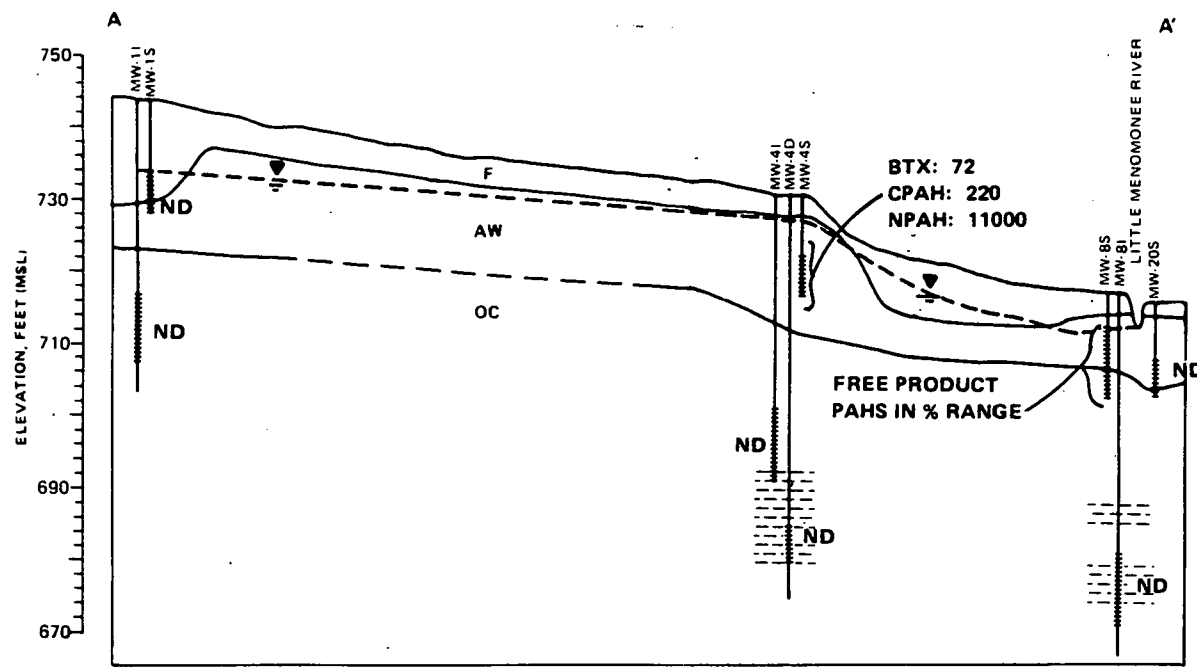
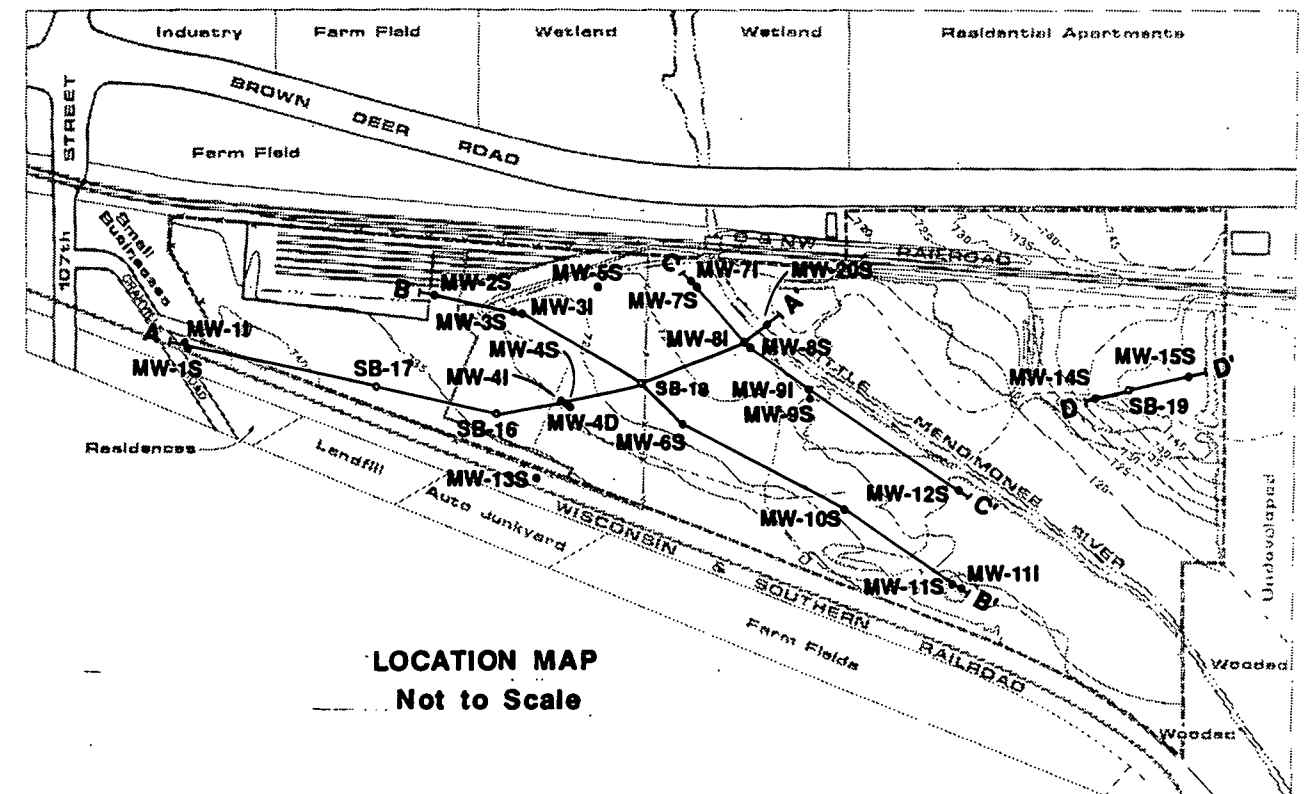


FIGURE 3-7
SUM OF BTX
IN SUBSURFACE SOILS
 MOSS - AMERICAN RI



LEGEND

- F FILL
 - AW ALLUVIUM, WEATHERED TILL
 - OC OAK CREEK TILL
 - LACUSTRINE DEPOSITS
 - MW20 MONITORING WELL LOCATION
 - ||| SCREENED INTERVAL
 - WATER LEVEL
 - CPAH TOTAL CARCINOGENIC PAH
 - NPAH TOTAL NONCARCINOGENIC PAH
 - BTX BENZENE, ETHYLBENZENE, TOLUENE, XYLENES
 - CLVOC CHLORINATED VOLATILE ORGANICS
 - ND NOT DETECTED
 - ND ABOVE THE DETECTION LIMIT OF 5 ug/l FOR BTX AND CLVOC AND 10 ug/l CARCINOGENIC AND NONCARCINOGENIC PAHs
- ALL CONCENTRATIONS IN ug/l



LOCATION MAP
Not to Scale

FOR MORE INFORMATION ON THE CROSS-SECTIONS, PLEASE REFER TO THE TECH MEMO FOR TASKS FI & FS

FIGURE 3-8
ORGANIC COMPOUNDS
IN GROUNDWATER
MOSS - AMERICAN RI

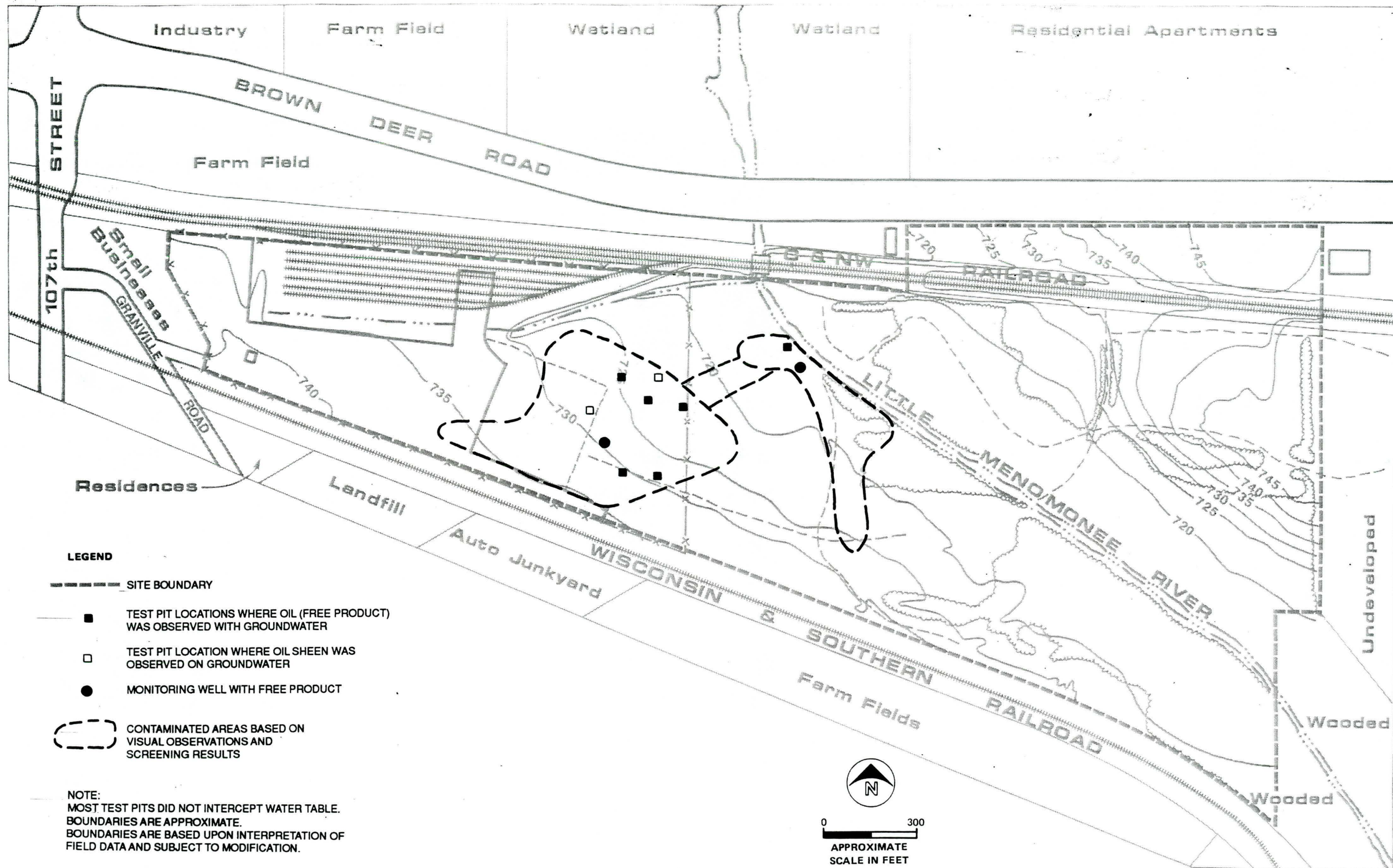


FIGURE 3-9
LOCATIONS WHERE FREE PRODUCT WAS
OBSERVED WITH THE GROUNDWATER
 MOSS-AMERICAN RI

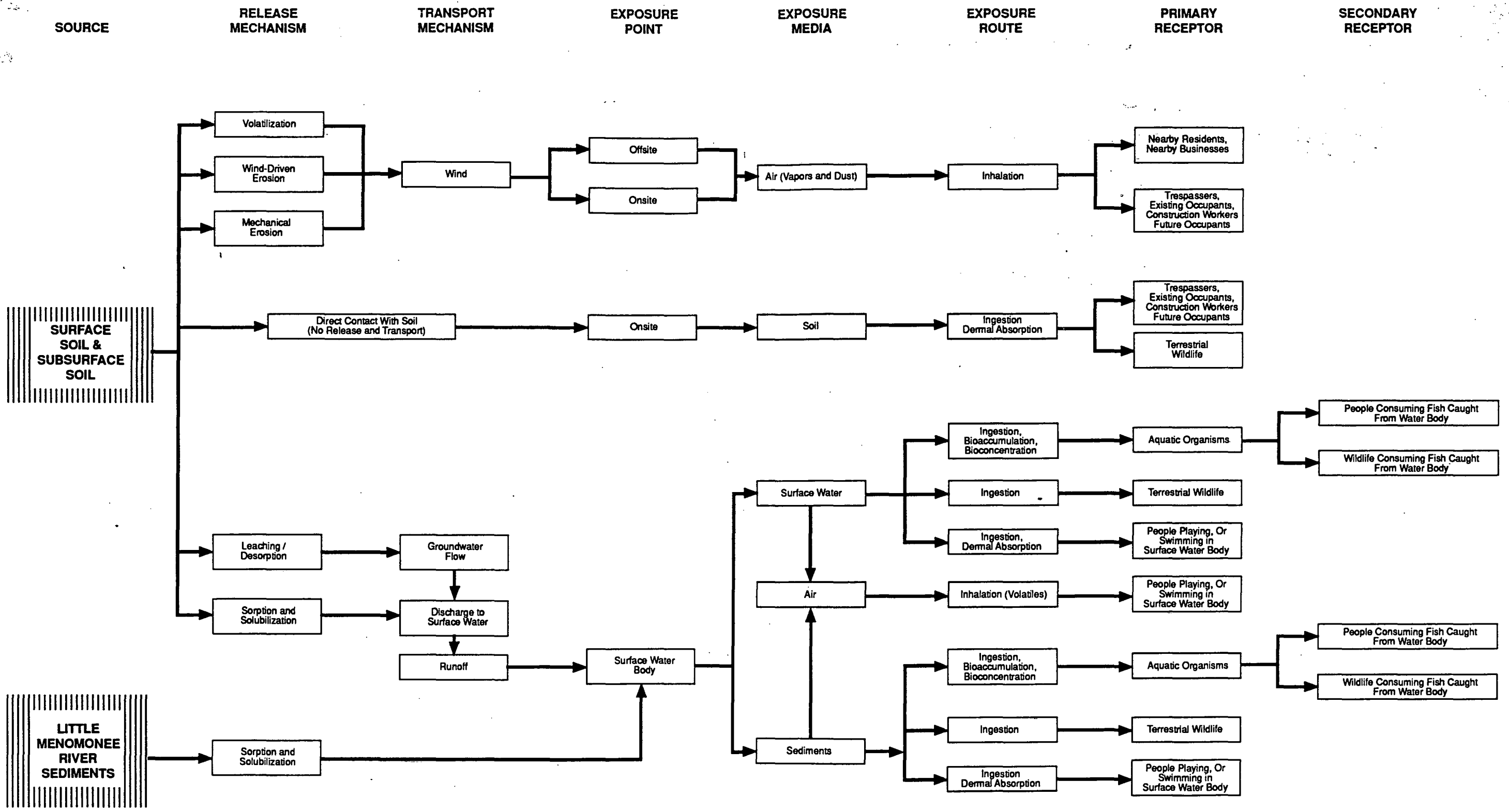
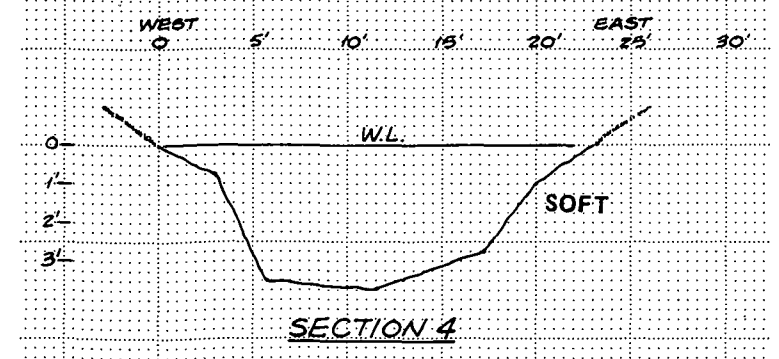
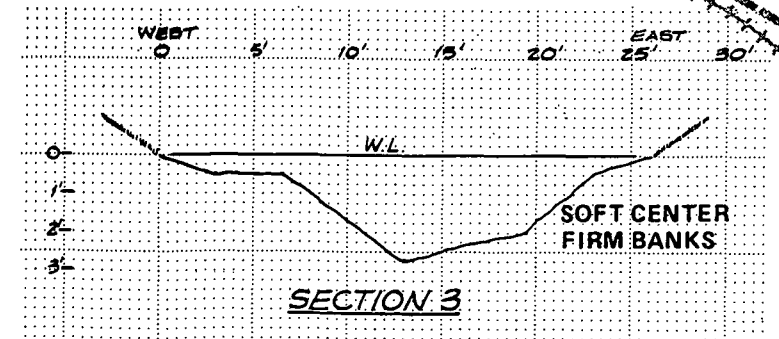
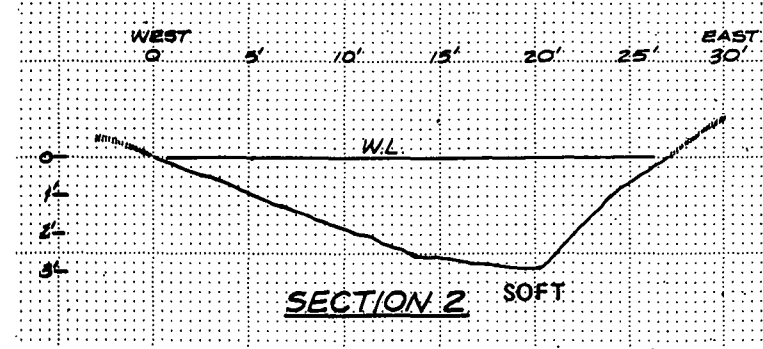
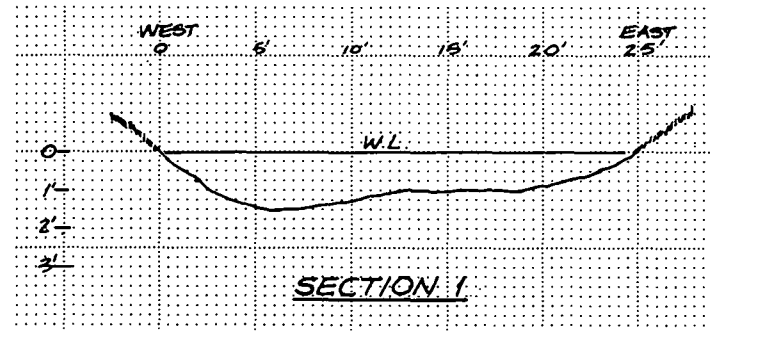
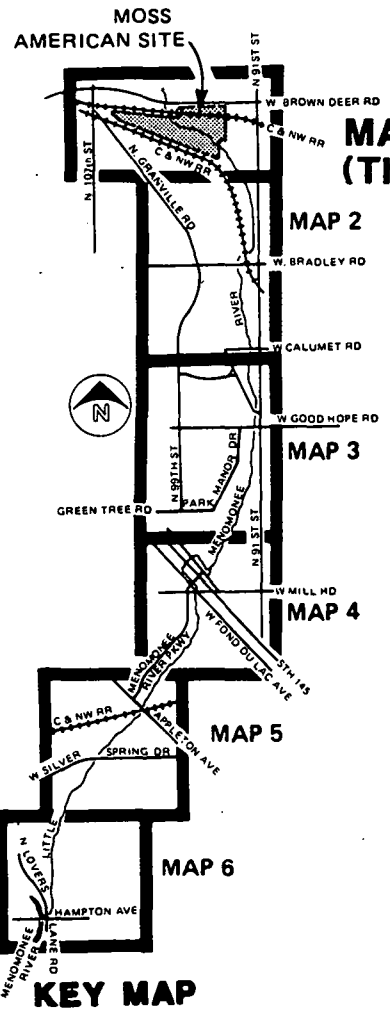
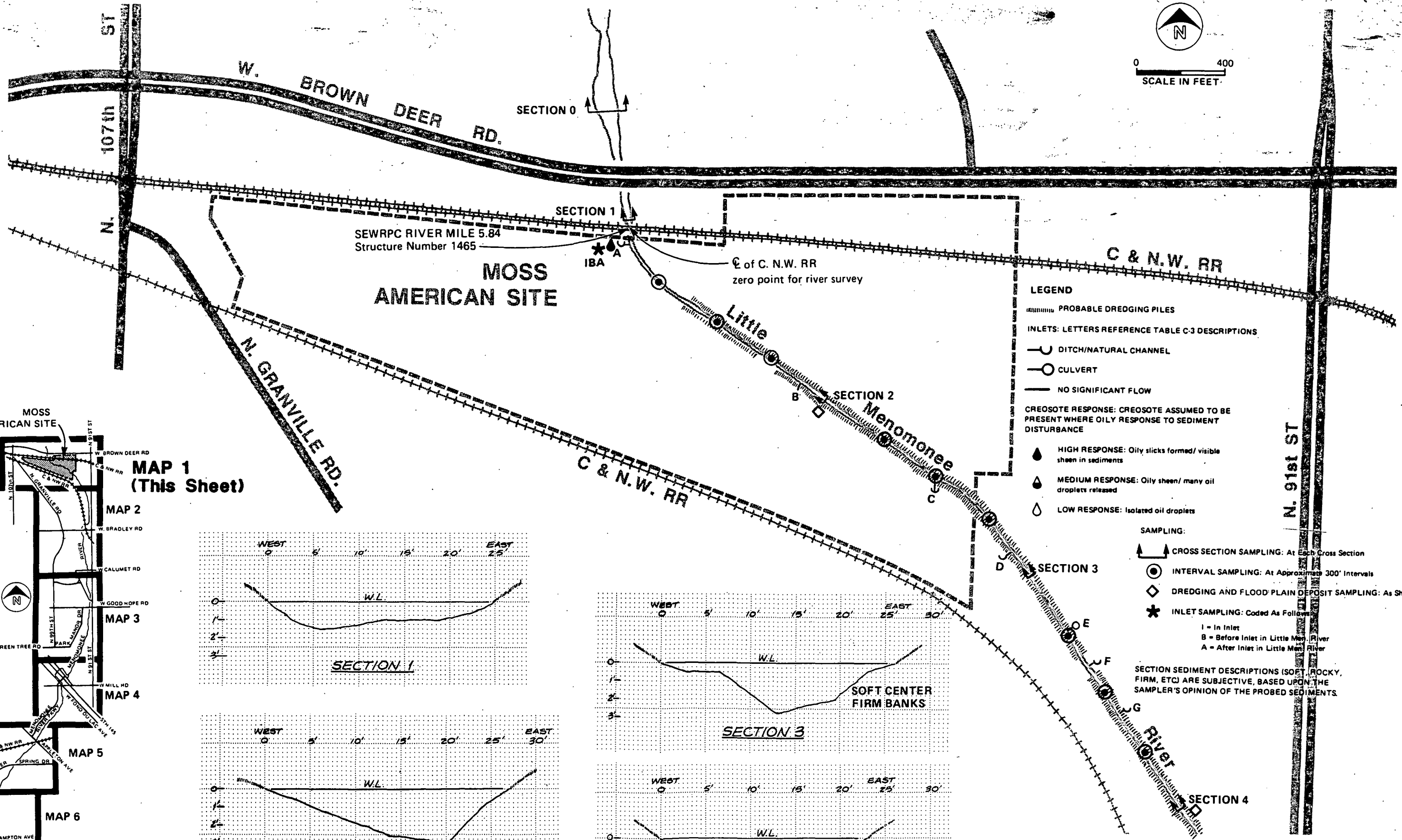
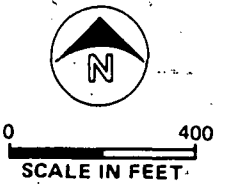
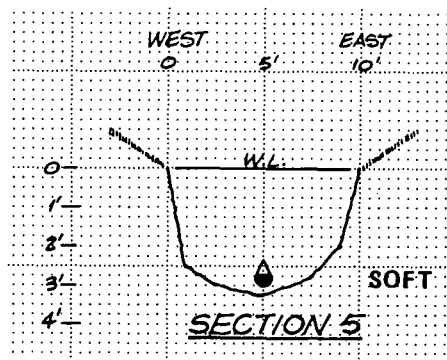


FIGURE 4-1
POTENTIAL EXPOSURE ROUTES
 MOSS-AMERICAN RI



- SAMPLING:**
- ↑ CROSS SECTION SAMPLING: At Each Cross Section
 - INTERVAL SAMPLING: At Approximately 300' Intervals
 - ◇ DREDGING AND FLOOD PLAIN DEPOSIT SAMPLING: As Shown
 - * INLET SAMPLING: Coded As Follows
 - 1 = In Inlet
 - B = Before Inlet in Little Menomonee River
 - A = After Inlet in Little Menomonee River
- SECTION SEDIMENT DESCRIPTIONS (SOFT, ROCKY, FIRM, ETC) ARE SUBJECTIVE, BASED UPON THE SAMPLER'S OPINION OF THE PROBED SEDIMENTS.



LEGEND

PROBABLE DREDGING PILES

INLETS: LETTERS REFERENCE TABLE C-3 DESCRIPTIONS

DITCH/NATURAL CHANNEL

CULVERT

NO SIGNIFICANT FLOW

CREOSOTE RESPONSE: CREOSOTE ASSUMED TO BE PRESENT WHERE OILY RESPONSE TO SEDIMENT DISTURBANCE

HIGH RESPONSE: Oily slicks formed/ visible sheen in sediments

MEDIUM RESPONSE: Oily sheen/ many oil droplets released

LOW RESPONSE: Isolated oil droplets

SAMPLING:

CROSS SECTION SAMPLING: At Each Cross Section

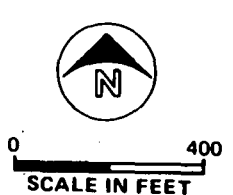
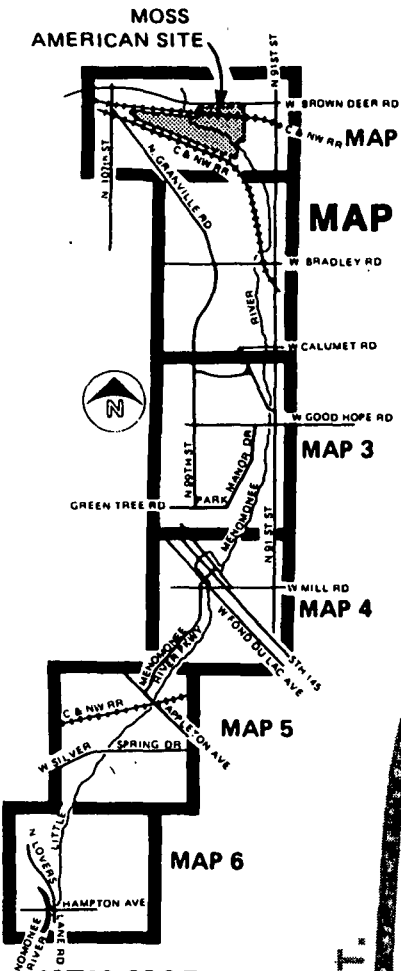
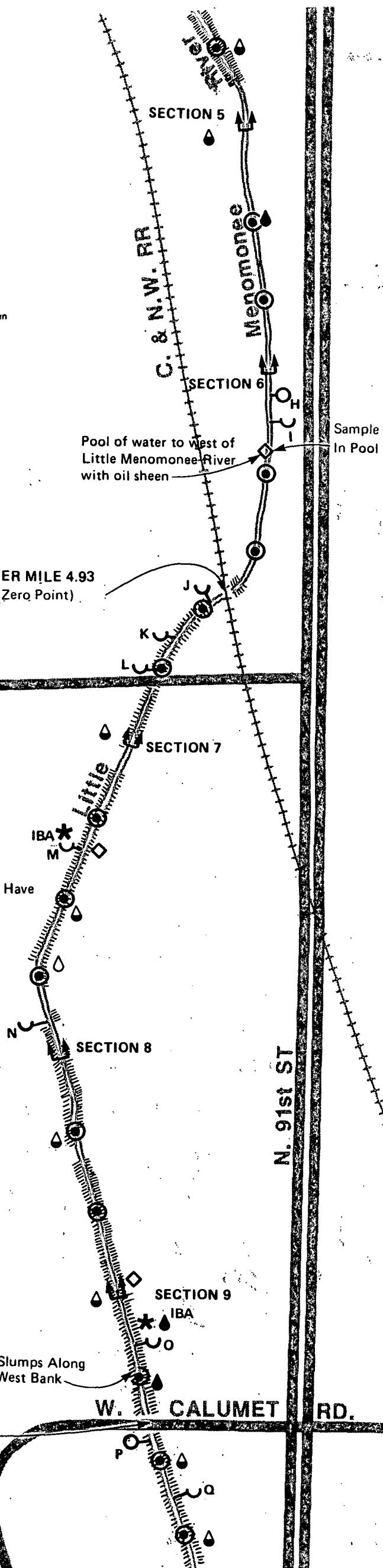
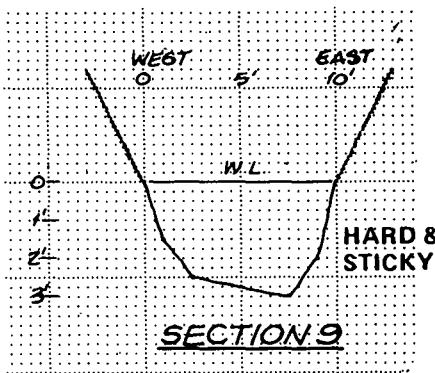
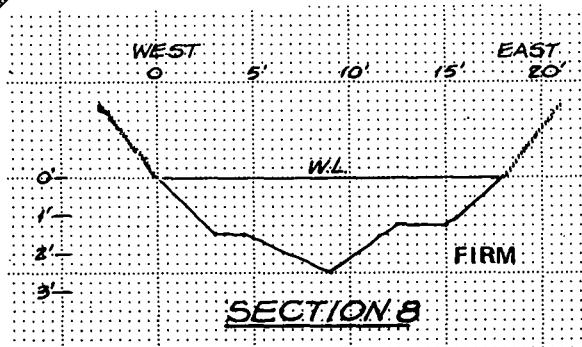
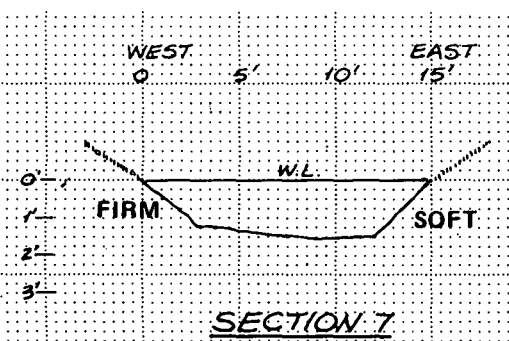
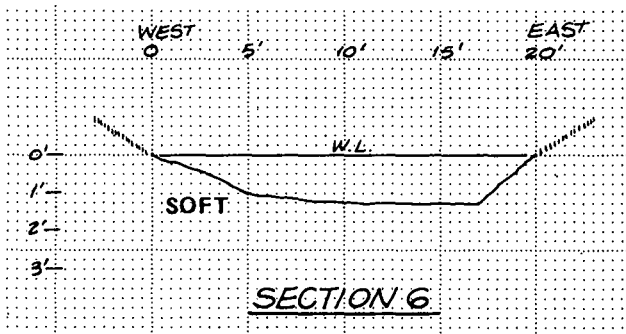
INTERVAL SAMPLING: At Approximate 300' Intervals

DREDGING AND FLOOD PLAIN DEPOSIT SAMPLING: As Shown

INLET SAMPLING: Coded As Follows

- I = In Inlet
- B = Before Inlet in Little Men. River
- A = After Inlet in Little Men. River

SECTION SEDIMENT DESCRIPTIONS (SOFT, ROCKY, FIRM, ETC) ARE SUBJECTIVE, BASED UPON THE SAMPLER'S OPINION OF THE PROBSED SEDIMENTS.



SEWRPC RIVER MILE 4.93
(5,890' From Zero Point)

W. BRADLEY RD.

N. 99TH ST.

SEWRPC RIVER MILE 4.13
(9,029' From Zero Point)

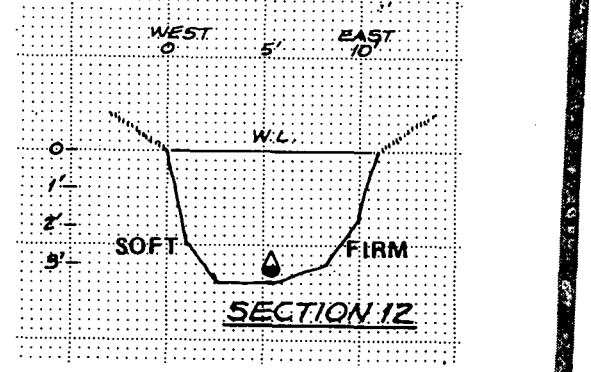
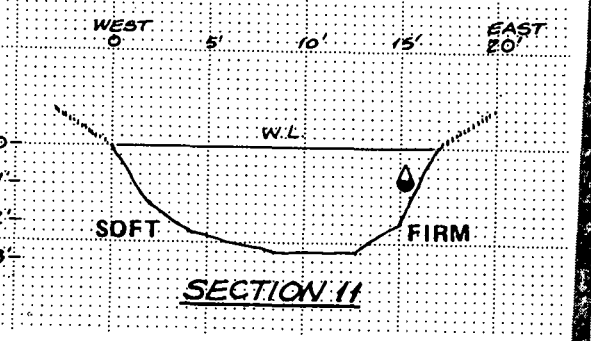
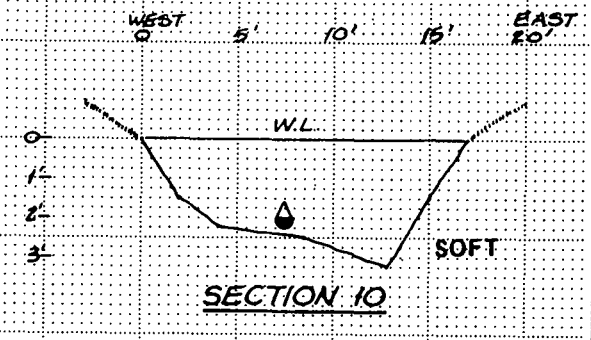
W. CALUMET RD.

N. 91st ST

Sample
In Pool



0 400
SCALE IN FEET



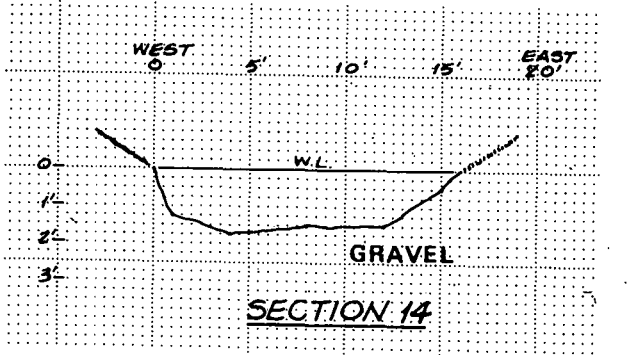
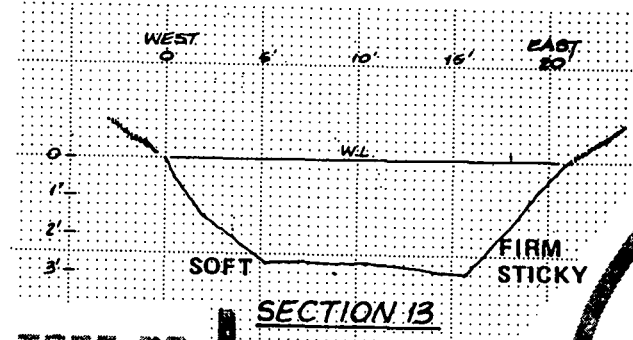
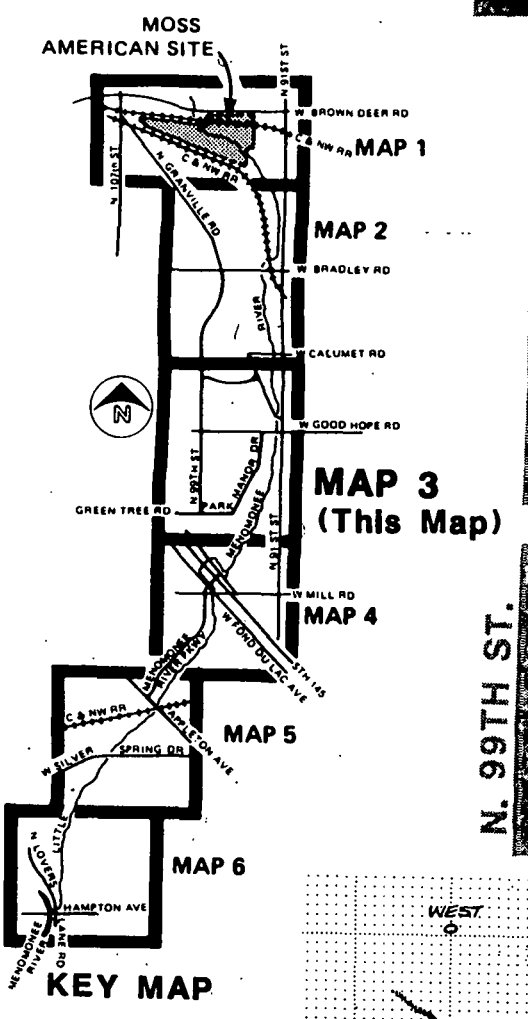
LEGEND

- ▬ PROBABLE DREDGING PILES
- INLETS: LETTERS REFERENCE TABLE C-3 DESCRIPTIONS
- U DITCH/NATURAL CHANNEL
- CULVERT
- NO SIGNIFICANT FLOW
- ↕ CROSS SECTION FROM RIVER SURVEY: Section sediment descriptions (soft, rocky, firm, etc.) are subjective, based upon the sampler's opinion of the probed sediments.
- CREOSOTE RESPONSE: Creosote assumed to be present where oily response to sediment disturbance.
 - HIGH RESPONSE: Oily slicks formed/visible sheen in sediments
 - MEDIUM RESPONSE: Oily sheen/many oil droplets released
 - LOW RESPONSE: Isolated oil droplets
- SAMPLING:
 - RIVER SAMPLING: At approximate 300' intervals (Sample also at river survey cross section locations)
 - ◇ DREDGING AND FLOODPLAIN DEPOSIT SAMPLING: As shown
 - * INLET SAMPLING: Coded as follows
 - i= In Inlet
 - B= Before Inlet in Little Men. River
 - A= After Inlet in Little Men. River

SEWRPC RIVER MILE 3.62
11,722' From Zero Point)

W. GOOD HOPE RD.

SECTION SEDIMENT DESCRIPTIONS (SOFT, ROCKY, FIRM, ETC) ARE SUBJECTIVE, BASED UPON THE SAMPLER'S OPINION OF THE PROBED SEDIMENTS

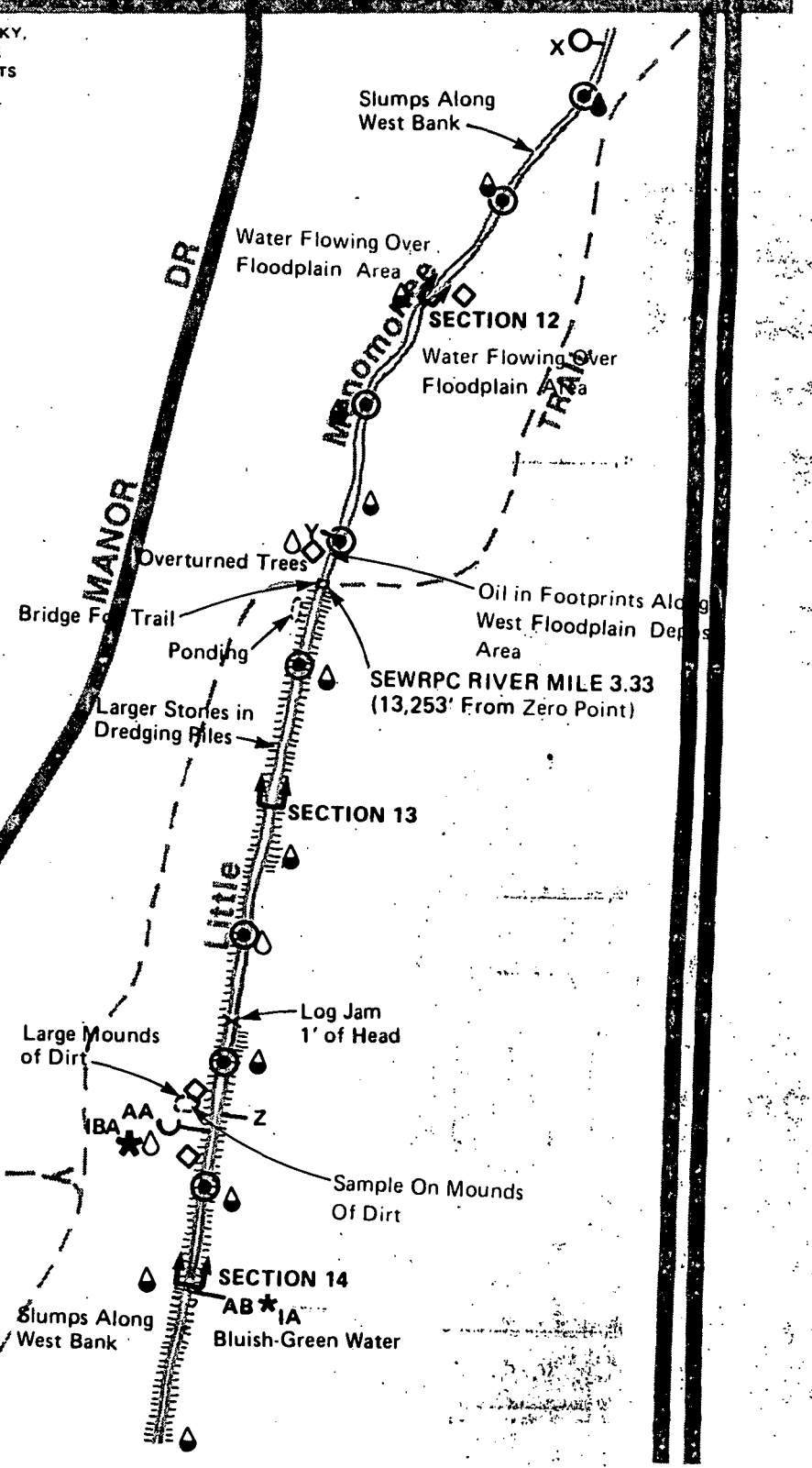


N. 99TH ST.

GREEN TREE RD.

PARK

TRAIL

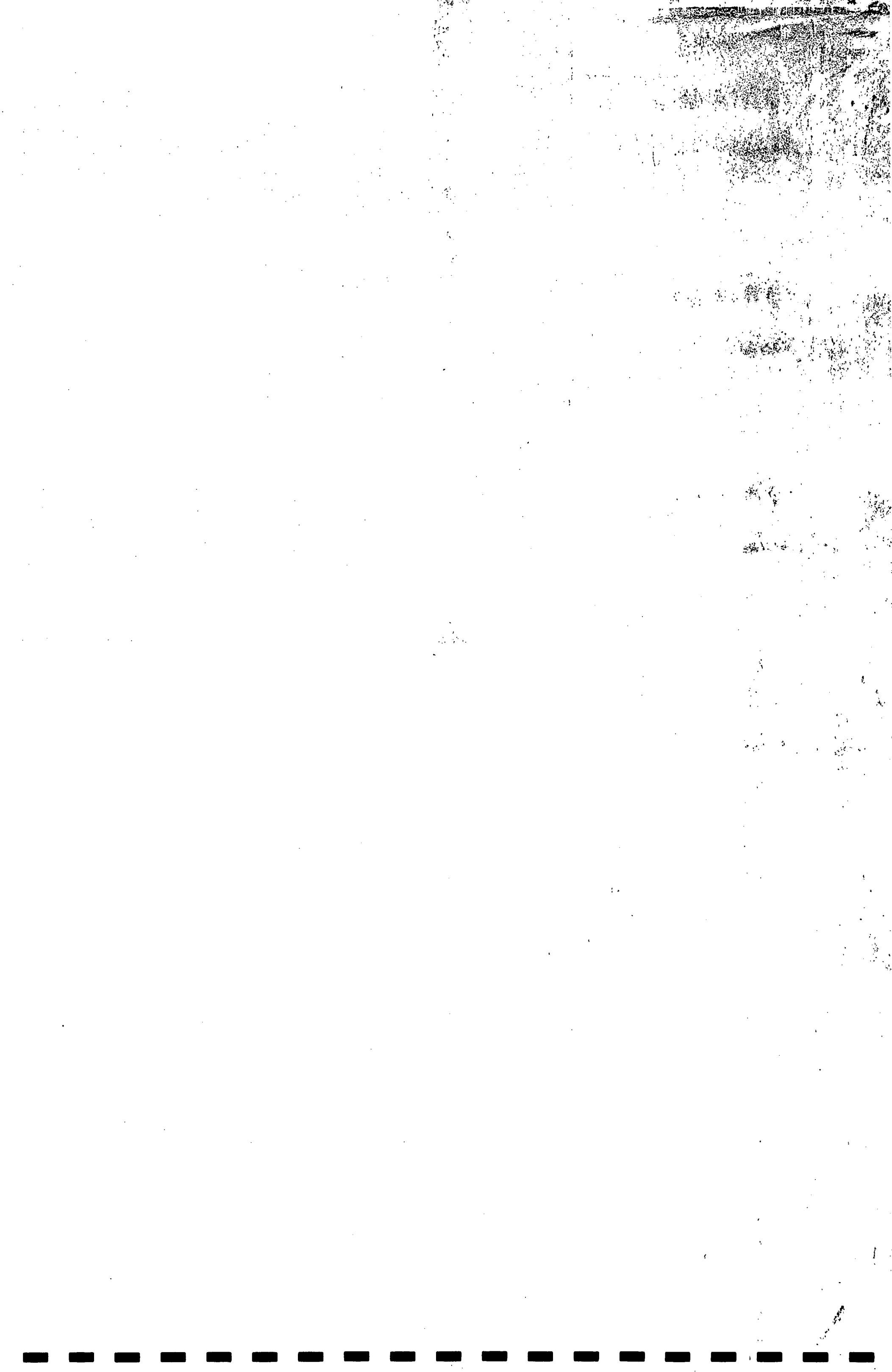


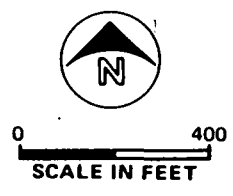
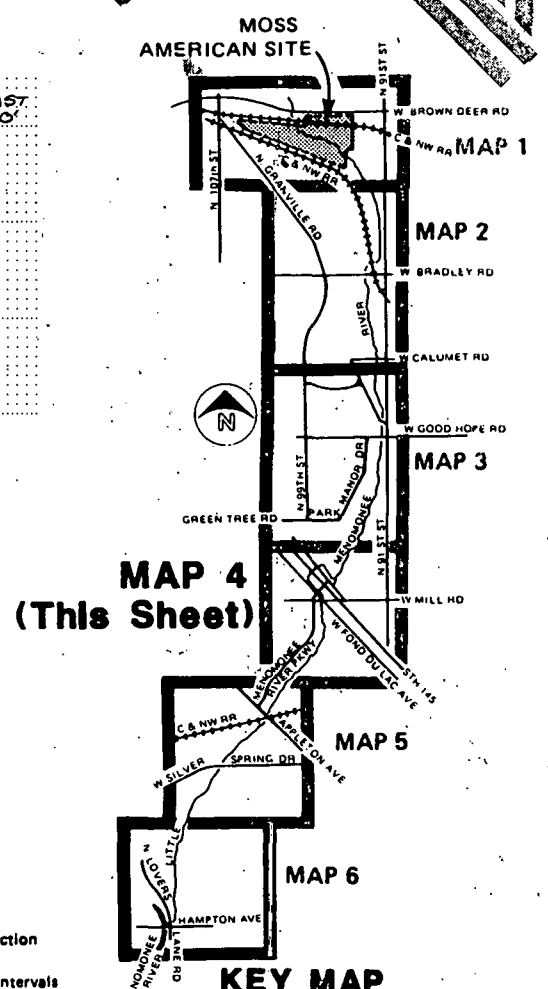
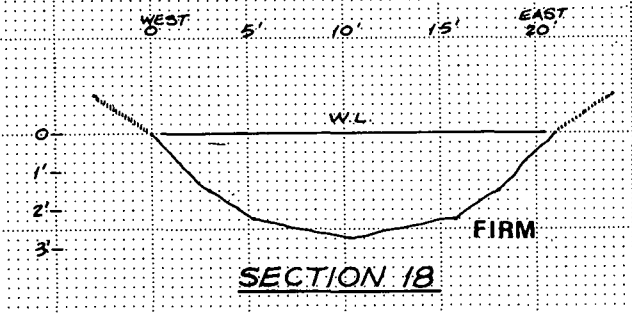
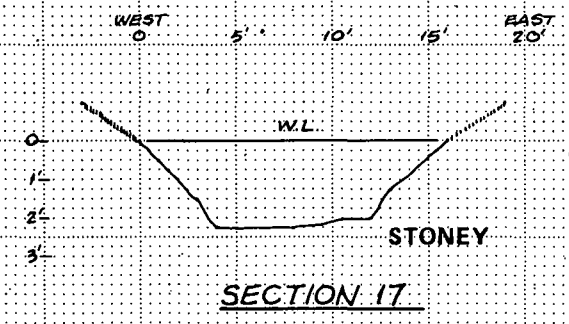
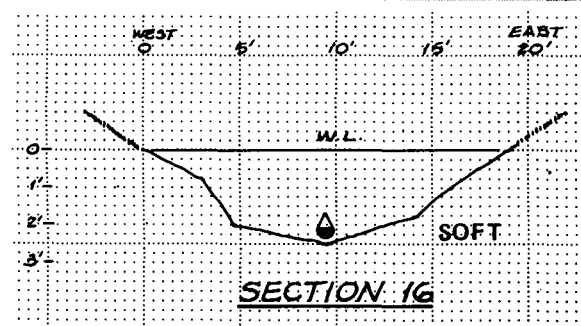
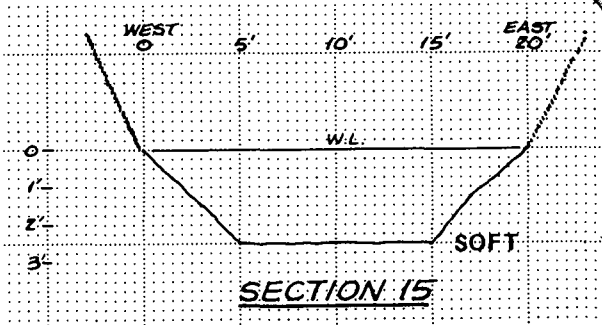
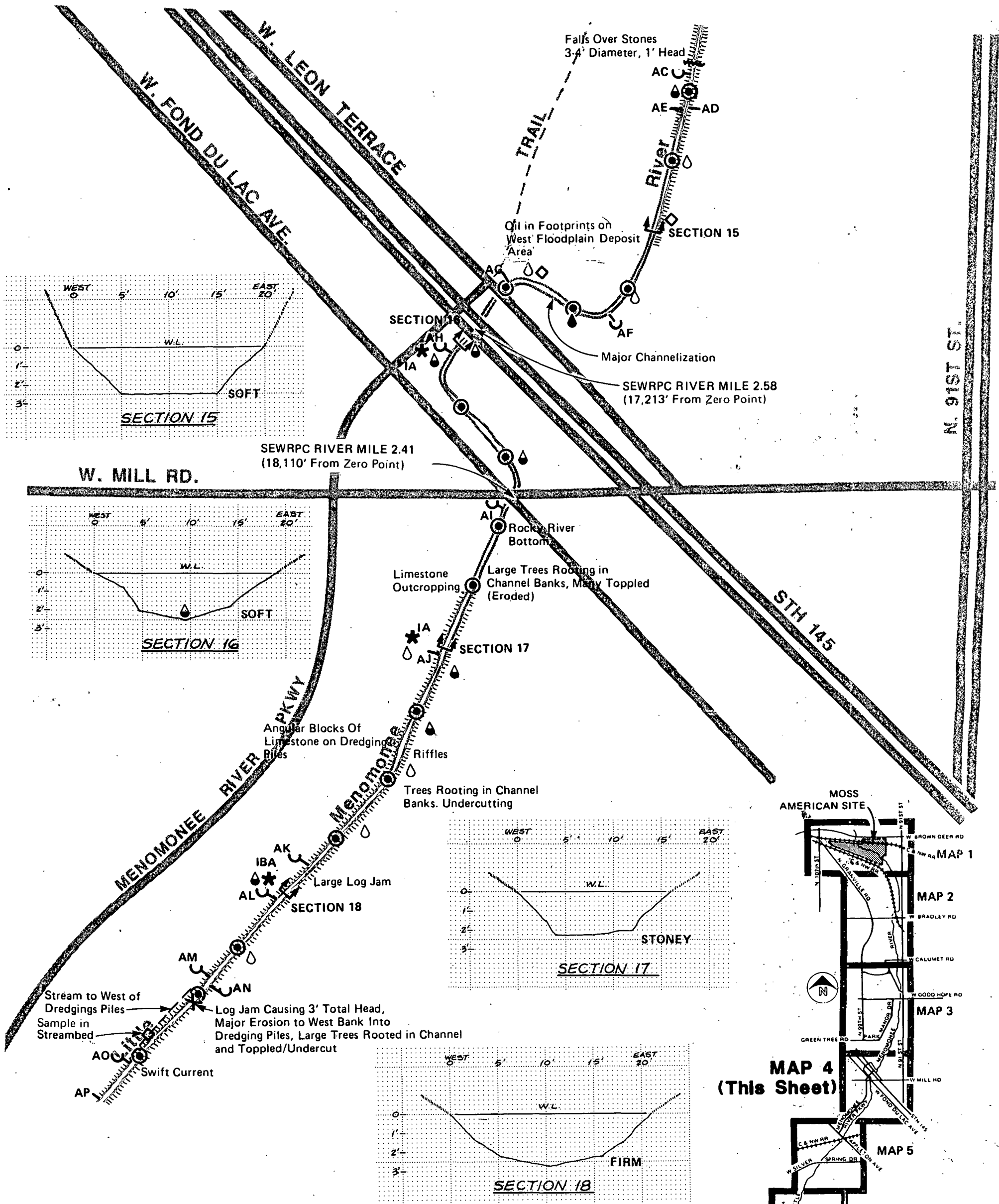
Very Close to Private Property Along West Bank - Did Not Survey

Creek Flowing Parallel LMR w/ Near Connection

SEWRPC RIVER MILE 3.33
(13,253' From Zero Point)

SECTION 14
AB * 1A
Bluish-Green Water





LEGEND

- PROBABLE DREDGING PILES
- INLETS: LETTERS REFERENCE TABLE C-3 DESCRIPTIONS
- DITCH/NATURAL CHANNEL
- CULVERT
- NO SIGNIFICANT FLOW

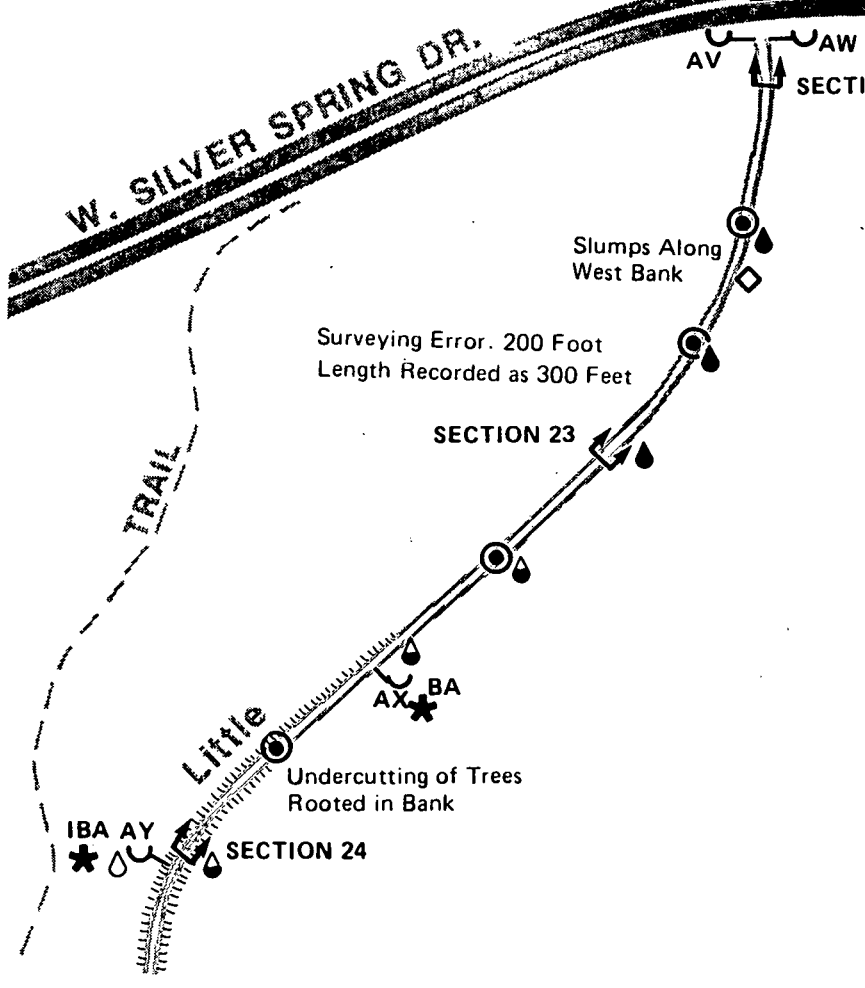
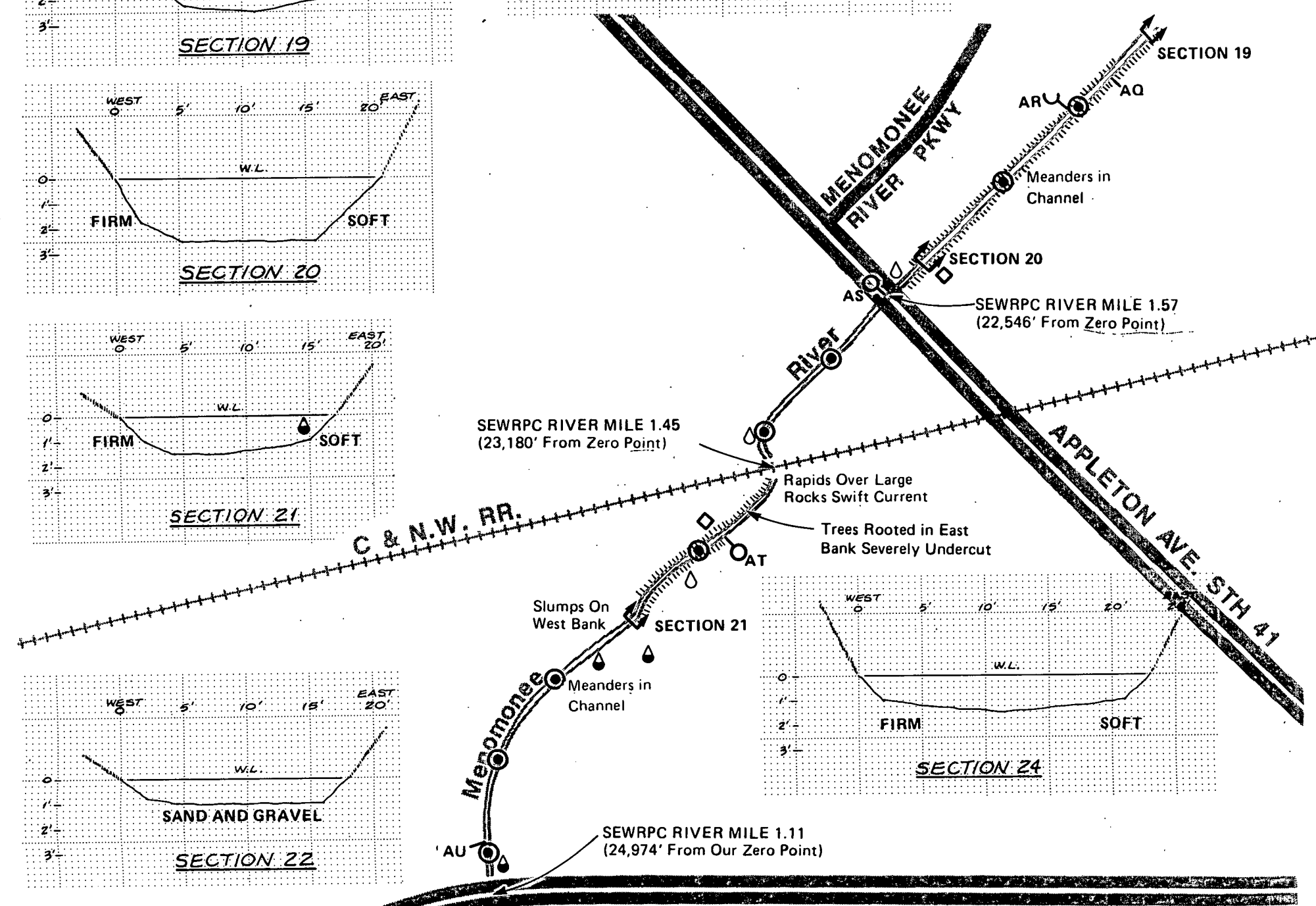
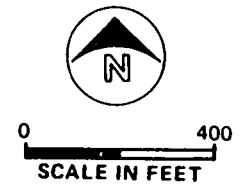
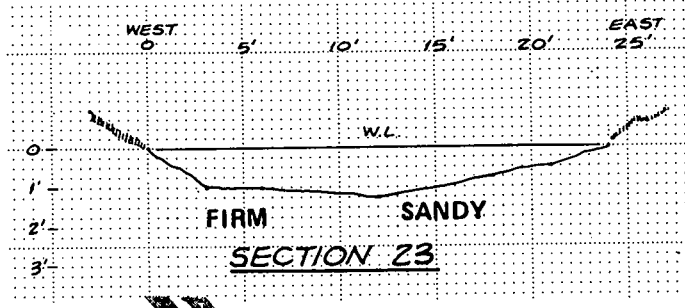
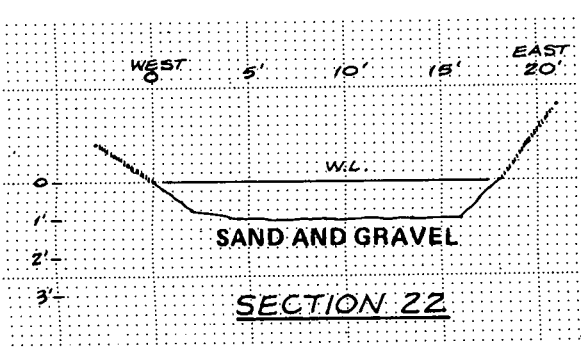
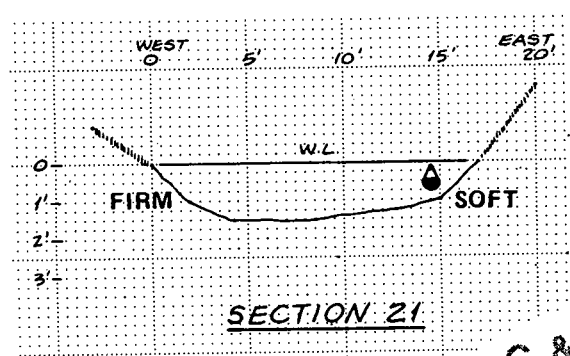
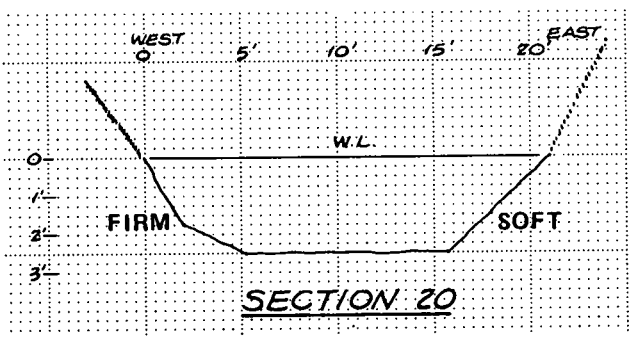
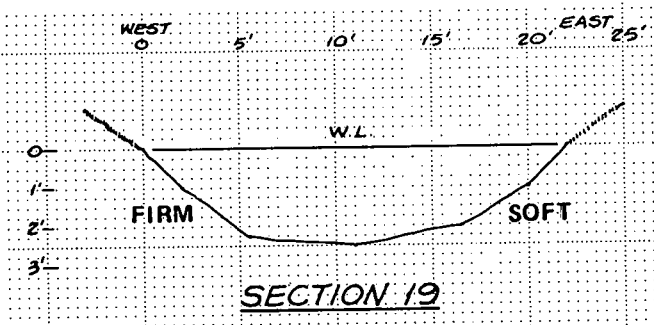
CREOSOTE RESPONSE: CREOSOTE ASSUMED TO BE PRESENT WHERE OILY RESPONSE TO SEDIMENT DISTURBANCE

- HIGH RESPONSE: Oily slicks formed/ visible sheen in sediments
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- LOW RESPONSE: Isolated oil droplets

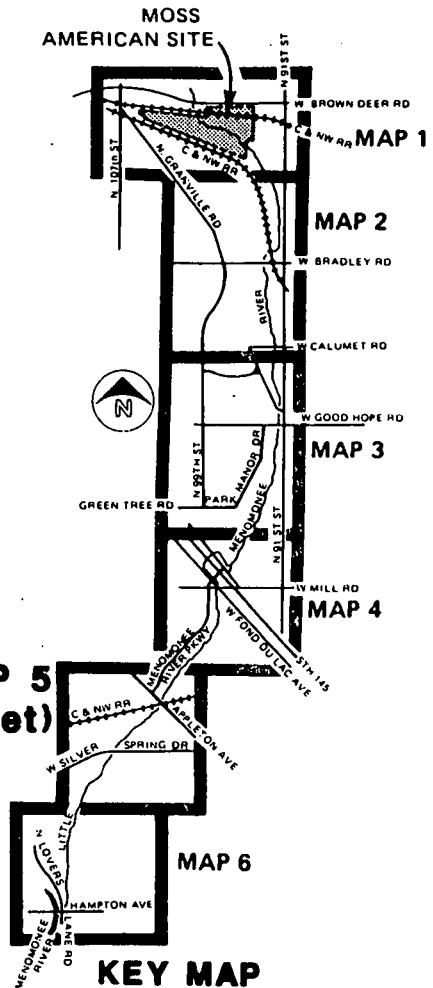
SAMPLING:

- CROSS SECTION SAMPLING: At Each Cross Section
- INTERVAL SAMPLING: At Approximate 300' Intervals
- DREDGING AND FLOODPLAIN DEPOSIT SAMPLING: As Shown
- INLET SAMPLING: Coded As Follows
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 - B - Before Inlet in Little Men. River
 - A - After Inlet in Little Men. River

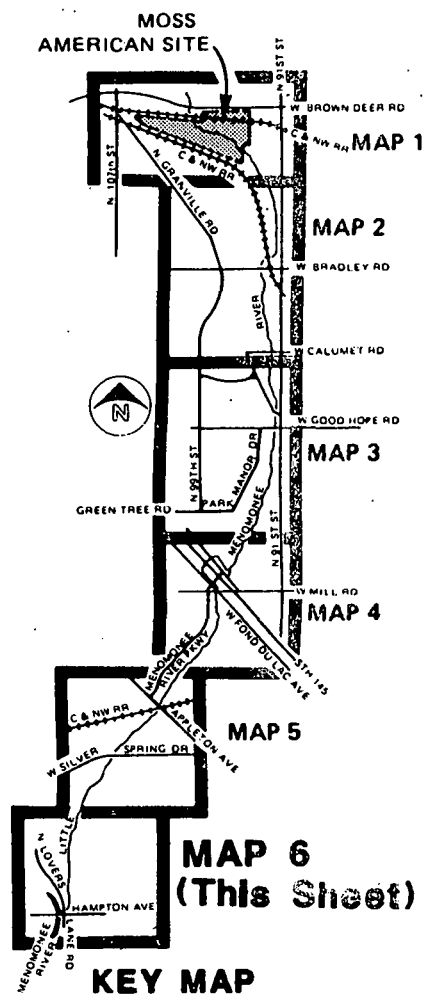
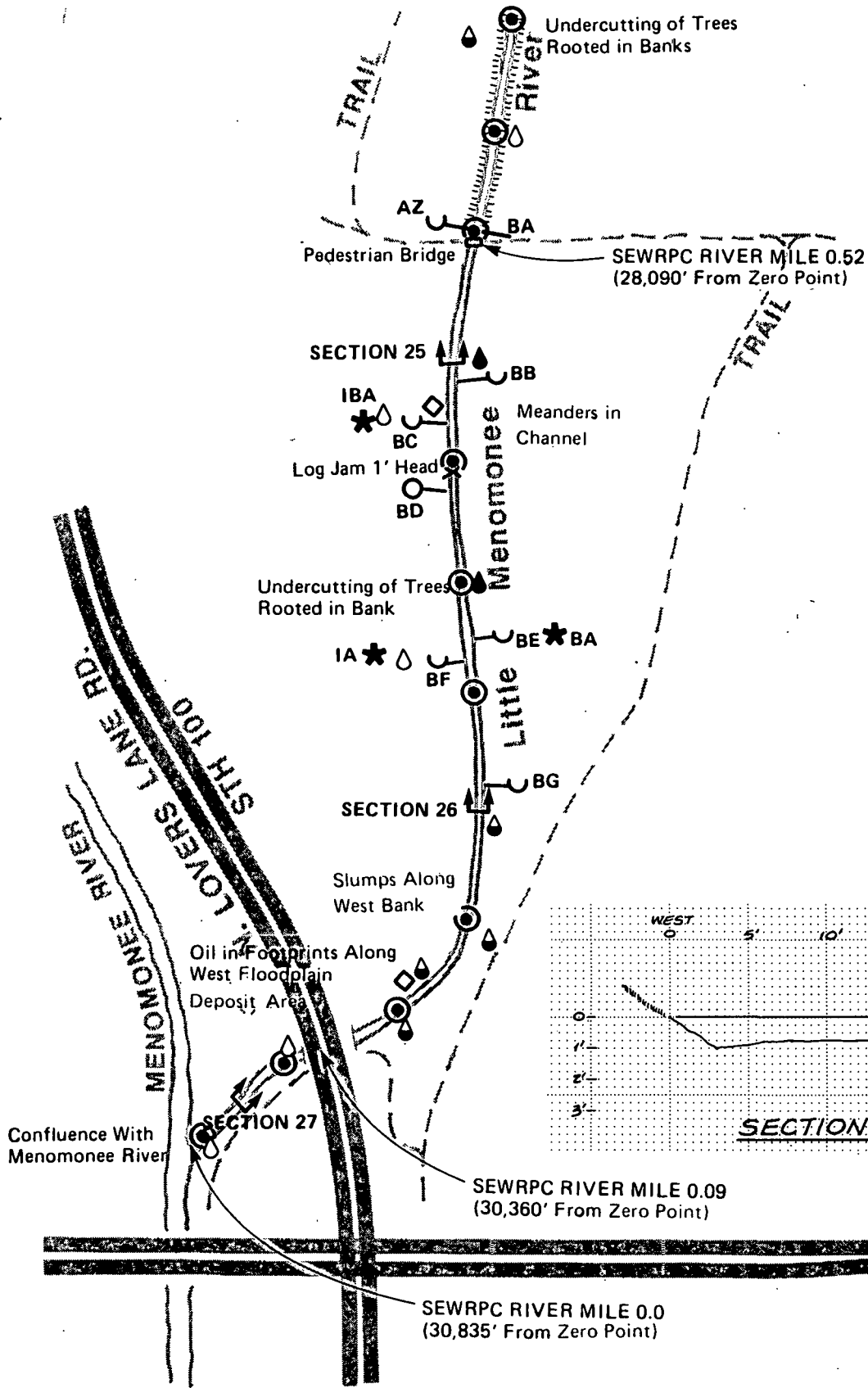
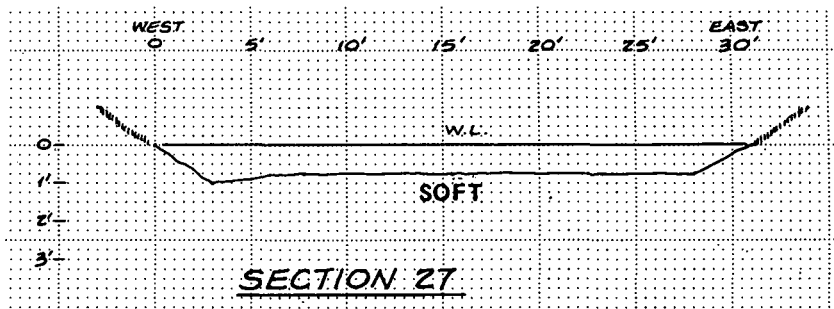
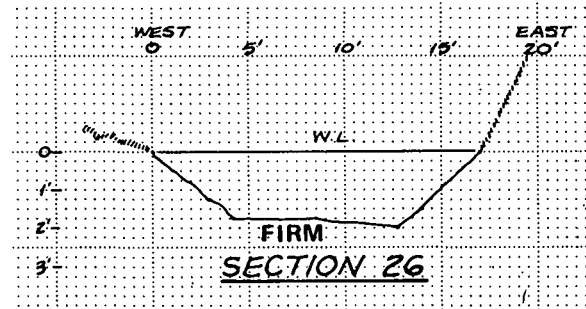
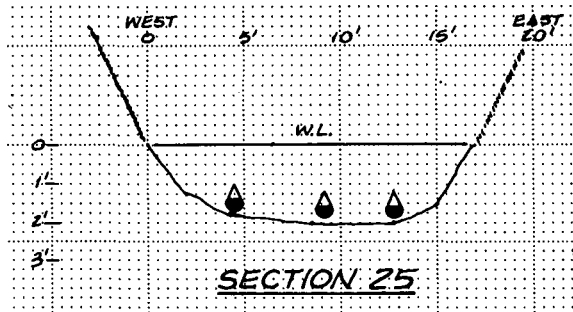
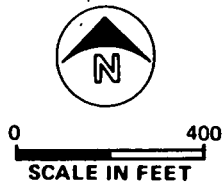
SECTION SEDIMENT DESCRIPTIONS (SOFT, ROCKY, FIRM, ETC) ARE SUBJECTIVE, BASED UPON THE SAMPLER'S OPINION OF THE PROBSED SEDIMENTS.



- LEGEND**
- ▬ PROBABLE DREDGING PILES
 - INLETS: LETTERS REFERENCE TABLE C-3 DESCRIPTIONS
 - DITCH/NATURAL CHANNEL
 - CULVERT
 - NO SIGNIFICANT FLOW
- CREOSOTE RESPONSE: CREOSOTE ASSUMED TO BE PRESENT WHERE OILY RESPONSE TO SEDIMENT DISTURBANCE**
- HIGH RESPONSE: Oily slicks formed/ visible sheen in sediments
 - MEDIUM RESPONSE: Oily sheen/ many oil droplets released
 - LOW RESPONSE: Isolated oil droplets
- SAMPLING:**
- ▲ CROSS SECTION SAMPLING: At Each Cross Section
 - INTERVAL SAMPLING: At Approximate 300' Intervals
 - ◇ DREDGING AND FLOODPLAIN DEPOSIT SAMPLING: As Shown
 - ★ INLET SAMPLING: Coded As Follows
 - I - In Inlet
 - B - Before Inlet in Little Men. River
 - A - After Inlet in Little Men. River



SECTION SEDIMENT DESCRIPTIONS (SOFT, ROCKY, FIRM, ETC) ARE SUBJECTIVE, BASED UPON THE SAMPLER'S OPINION OF THE PROBSED SEDIMENTS.

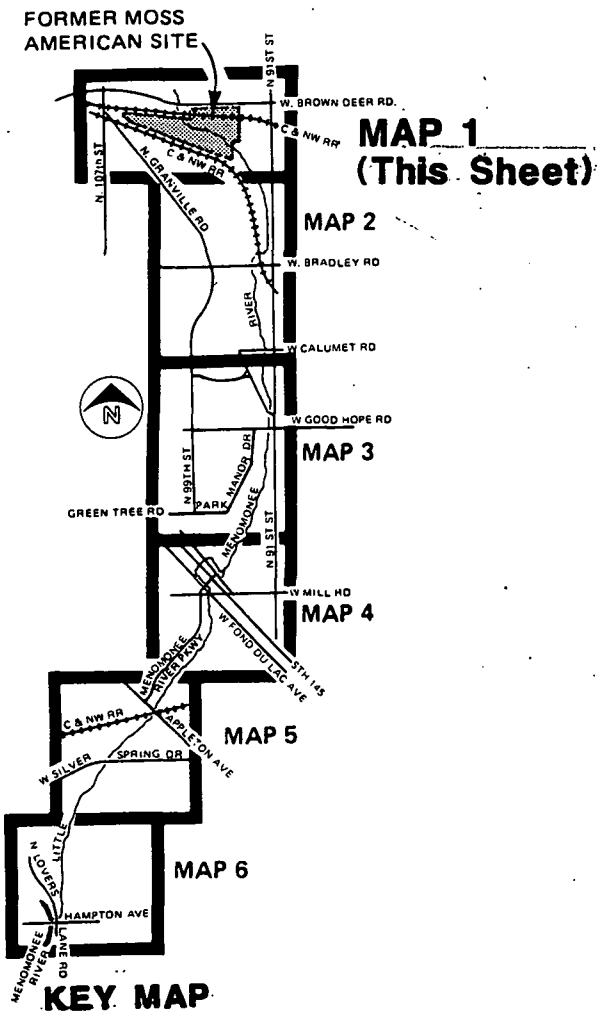
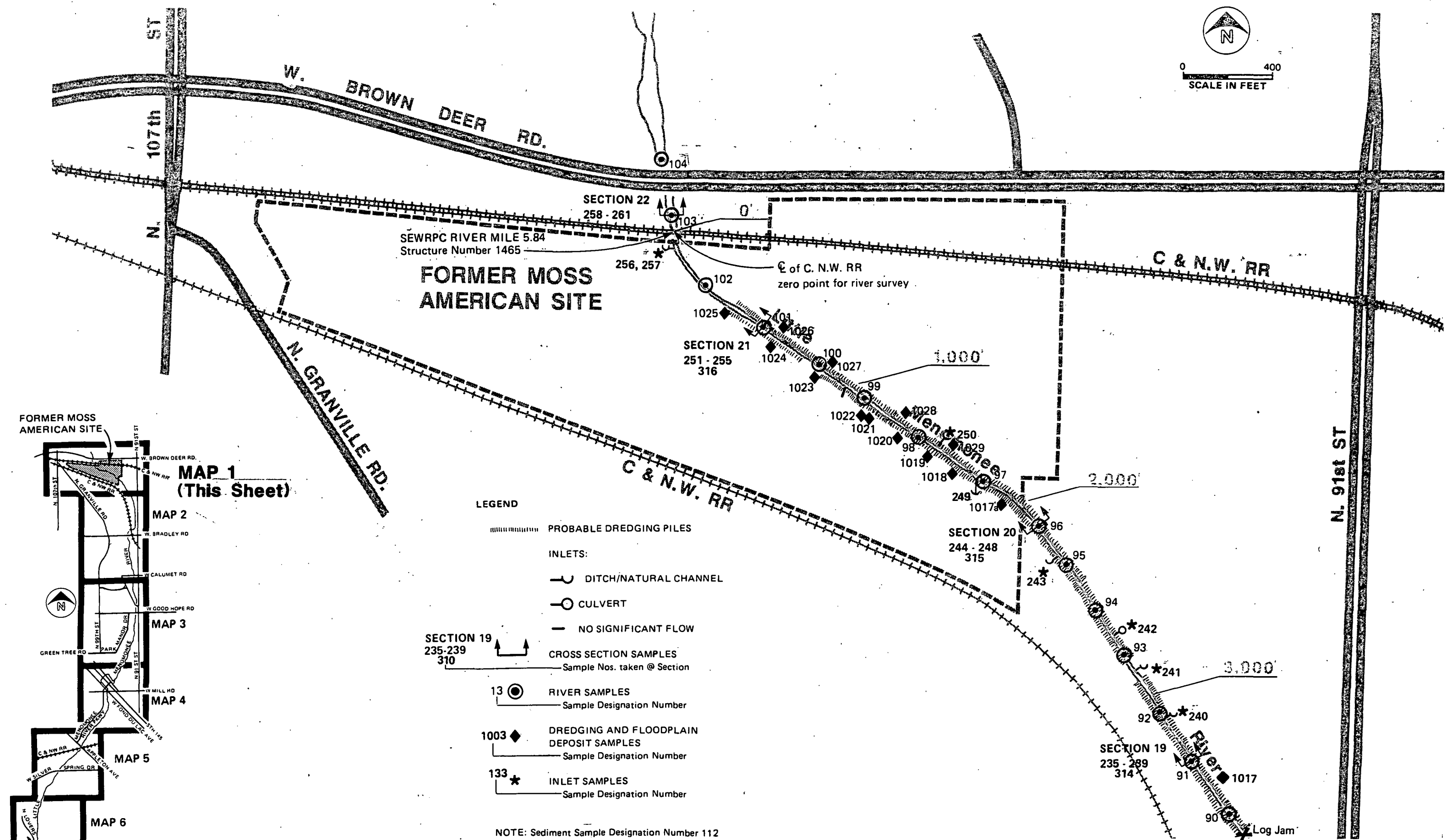
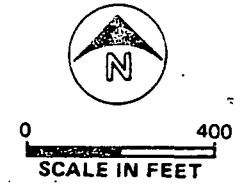


LEGEND

- ▤ PROBABLE DREDGING PILES
- INLETS: LETTERS REFERENCE TABLE C-3 DESCRIPTIONS
- DITCH/NATURAL CHANNEL
- CULVERT
- NO SIGNIFICANT FLOW
- CREOSOTE RESPONSE: CREOSOTE ASSUMED TO BE PRESENT WHERE OILY RESPONSE TO SEDIMENT DISTURBANCE
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SECTION SEDIMENT DESCRIPTIONS (SOFT, ROCKY, FIRM, ETC) ARE SUBJECTIVE, BASED UPON THE SAMPLER'S OPINION OF THE PROBSED SEDIMENTS.

HAMPTON AVE.












- LEGEND**
- PROBABLE DREDGING PILES
 - INLETS:**
 - DITCH/NATURAL CHANNEL
 - CULVERT
 - NO SIGNIFICANT FLOW
 - CROSS SECTION SAMPLES
Sample Nos. taken @ Section
 - RIVER SAMPLES
Sample Designation Number
 - DREDGING AND FLOODPLAIN DEPOSIT SAMPLES
Sample Designation Number
 - INLET SAMPLES
Sample Designation Number

NOTE: Sediment Sample Designation Number 112 Refers to Sample SD112-01.
Soil (Dredging and Floodplain) Sample Designation Number 1003 Refers to Sample SS1003-01.

FIGURE 1
LITTLE MEMOMONEE RIVER
SEDIMENT SAMPLING LOCATIONS
MAY 4 - 19 AND JUNE 16 - 17, 1988
MOSS-AMERICAN RI

LEGEND

-  PROBABLE DREDGING PILES
- INLETS:**
-  DITCH/NATURAL CHANNEL
-  CULVERT
-  NO SIGNIFICANT FLOW
-  **SECTION 19**
235-239
310
-  CROSS SECTION SAMPLES
Sample Nos. taken @ Section
-  13 **RIVER SAMPLES**
Sample Designation Number
-  1003 **DREDGING AND FLOODPLAIN DEPOSIT SAMPLES**
Sample Designation Number
-  133 **INLET SAMPLES**
Sample Designation Number

NOTE: Sediment Sample Designation Number 112 Refers to Sample SD112-01.
Soil (Dredging and Floodplain) Sample Designation Number 1003 Refers to Sample SS1003-01.

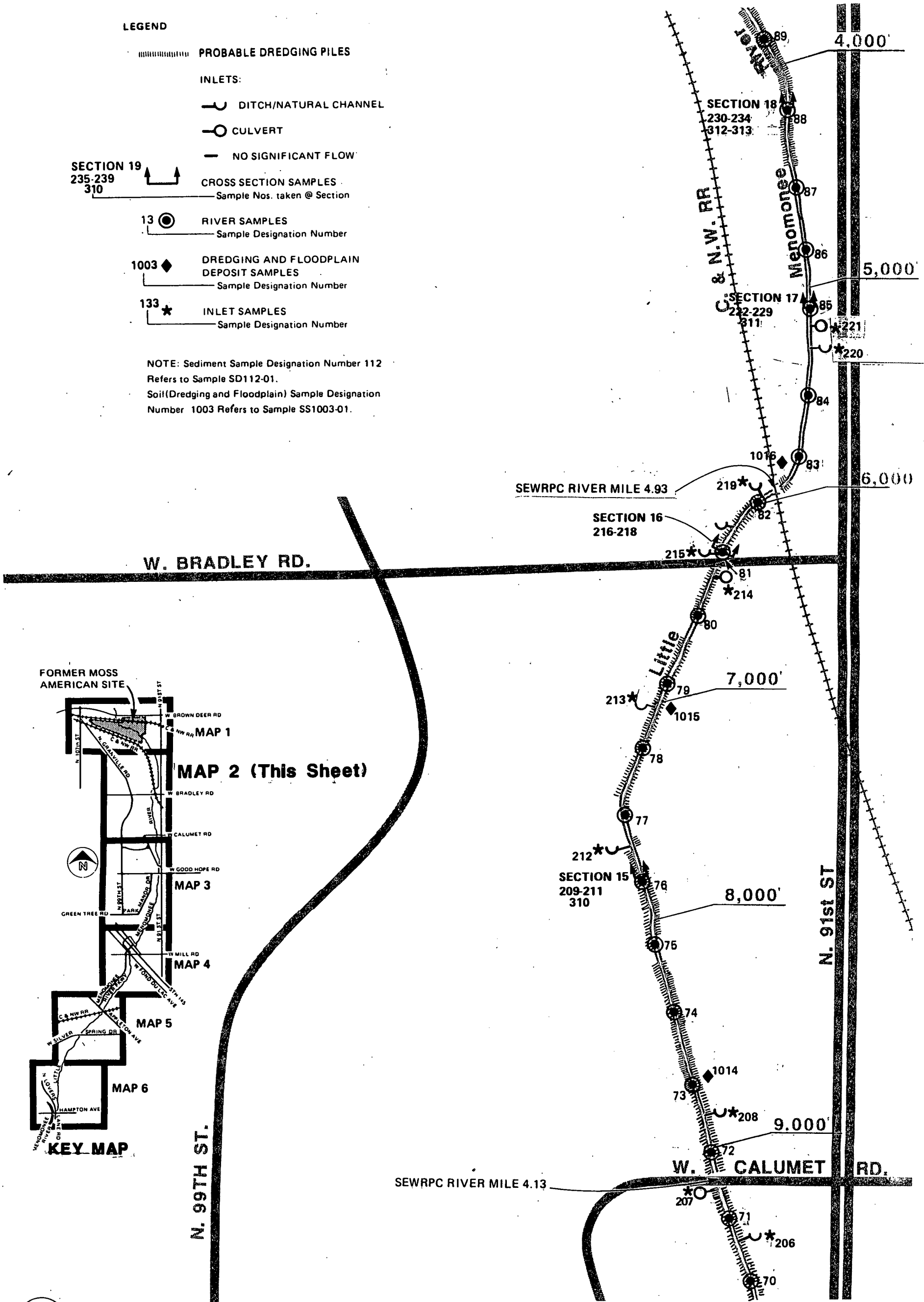
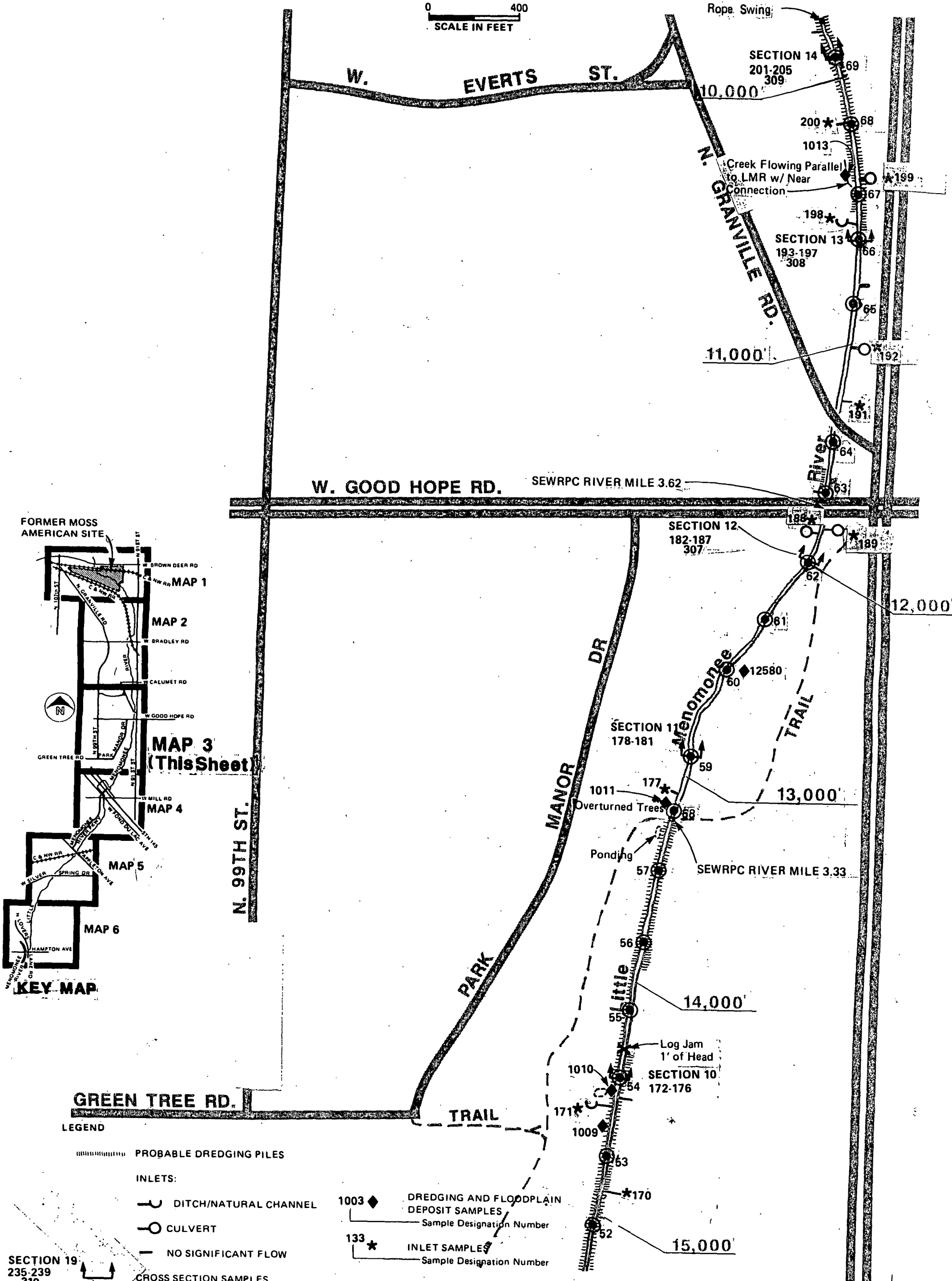


FIGURE 2
LITTLE MEMOMONEE RIVER
SEDIMENT SAMPLING LOCATIONS
MAY 4 - 19 AND JUNE 16 - 17, 1988
MOSS-AMERICAN RI



0 400
SCALE IN FEET



LEGEND

PROBABLE DREDGING PILES

INLETS:

DITCH/NATURAL CHANNEL

CULVERT

NO SIGNIFICANT FLOW

CROSS SECTION SAMPLES
Sample Nos. taken @ Section

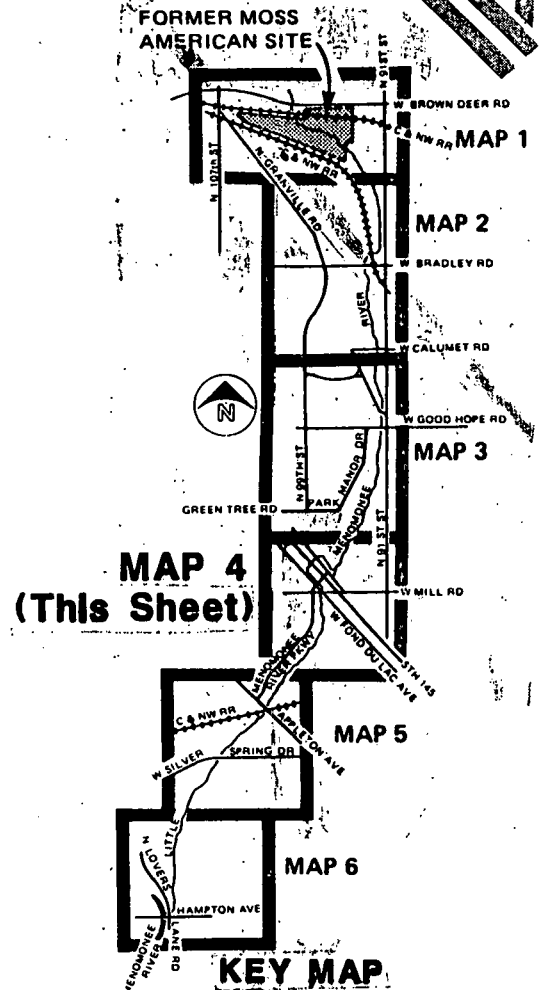
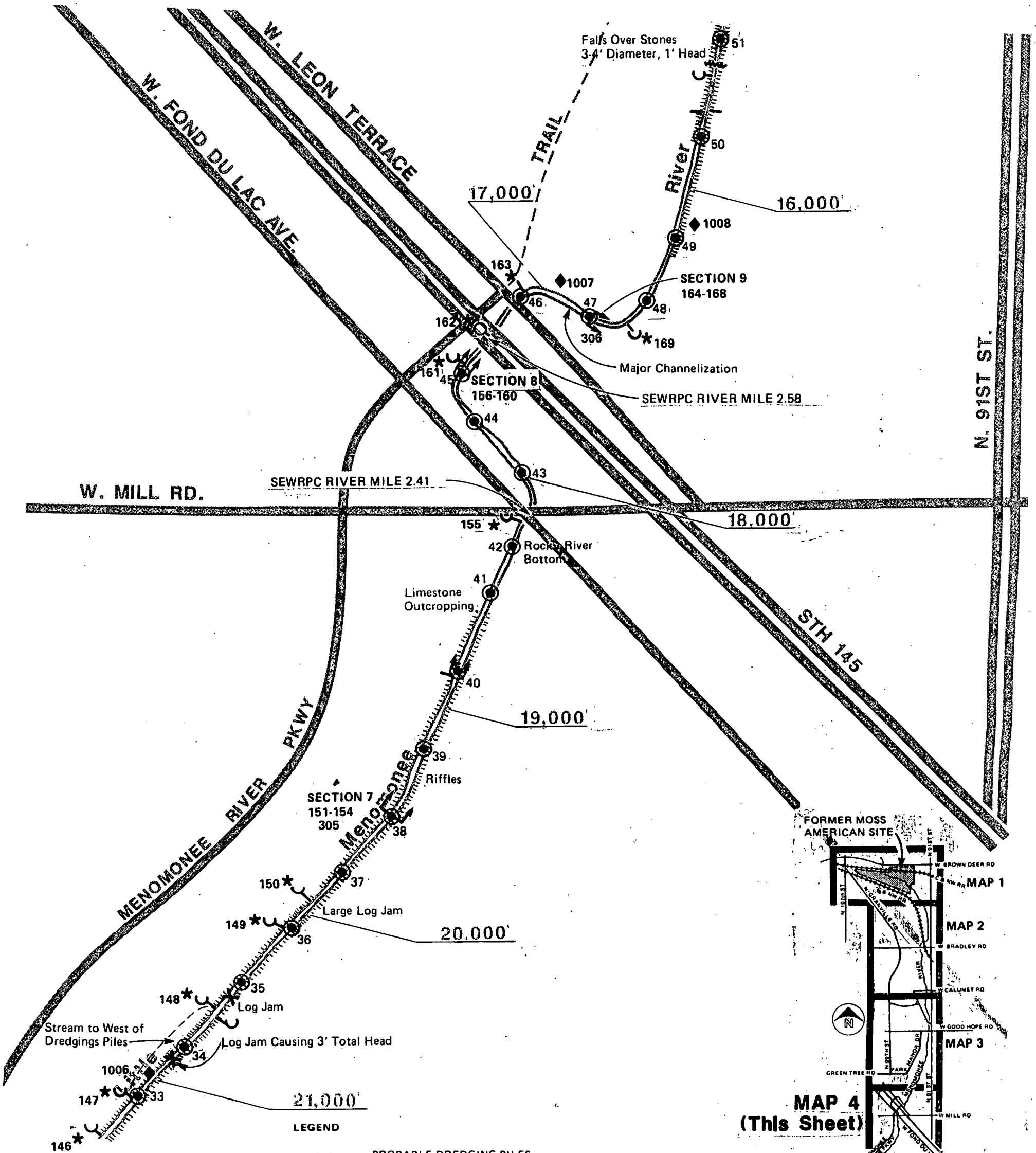
RIVER SAMPLES
Sample Designation Number

DREDGING AND FLOODPLAIN DEPOSIT SAMPLES
Sample Designation Number

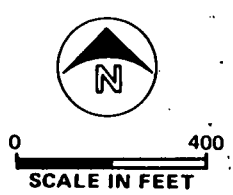
INLET SAMPLES
Sample Designation Number

NOTE: Sediment Sample Designation Number 112 Refers to Sample SD112-01.
Soil (Dredging and Floodplain) Sample Designation Number 1003 Refers to Sample SS1003-01.

FIGURE 3
LITTLE MENOMONEE RIVER
SEDIMENT SAMPLING LOCATIONS
MAY 4 - 19 AND JUNE 16 - 17, 1988
MOSS-AMERICAN RI



- LEGEND**
- PROBABLE DREDGING PILES
 - INLETS:**
 - DITCH/NATURAL CHANNEL
 - CULVERT
 - NO SIGNIFICANT FLOW
 - CROSS SECTION SAMPLES
Sample Nos. taken @ Section
 - RIVER SAMPLES
Sample Designation Number
 - DREDGING AND FLOODPLAIN DEPOSIT SAMPLES
Sample Designation Number
 - INLET SAMPLES
Sample Designation Number



SECTION 19
235-239
310

NOTE: Sediment Sample Designation Number 112 Refers to Sample SD112-01.
Soil (Dredging and Floodplain) Sample Designation Number 1003 Refers to Sample SS1003-01.

FIGURE 4
LITTLE MEMOMONEE RIVER
SEDIMENT SAMPLING LOCATIONS
MAY 4 - 19 AND JUNE 16 - 17, 1988
MOSS-AMERICAN RI

LEGEND

- PROBABLE DREDGING PILES
- INLETS:**
- DITCH/NATURAL CHANNEL
- CULVERT
- NO SIGNIFICANT FLOW

SECTION 19
235-239
310

CROSS SECTION SAMPLES
Sample Nos. taken @ Section

13 RIVER SAMPLES
Sample Designation Number

1003 DREDGING AND FLOODPLAIN
DEPOSIT SAMPLES
Sample Designation Number

133 INLET SAMPLES
Sample Designation Number

NOTE: Sediment Sample Designation Number 112
Refers to Sample SD112-01.
Soil (Dredging and Floodplain) Sample Designation
Number 1003 Refers to Sample SS1003-01.



0 400
SCALE IN FEET

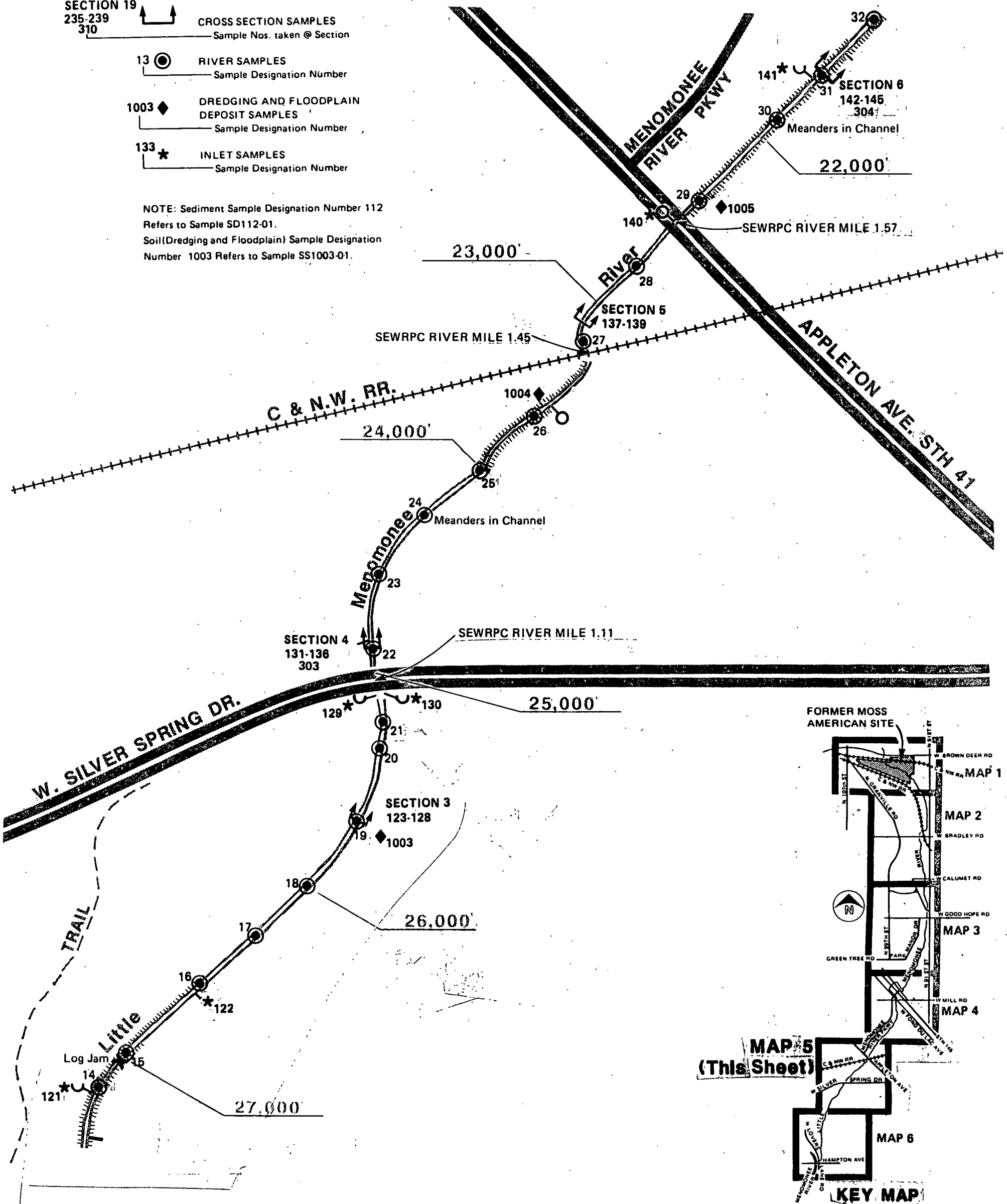
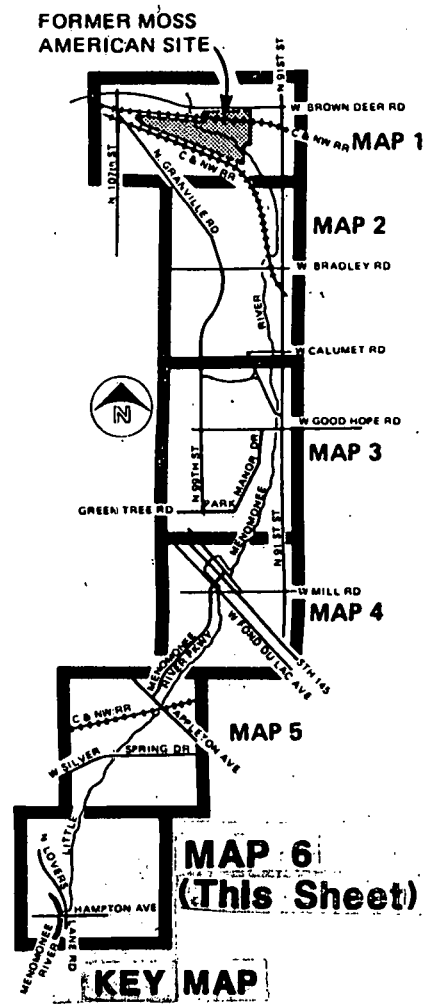
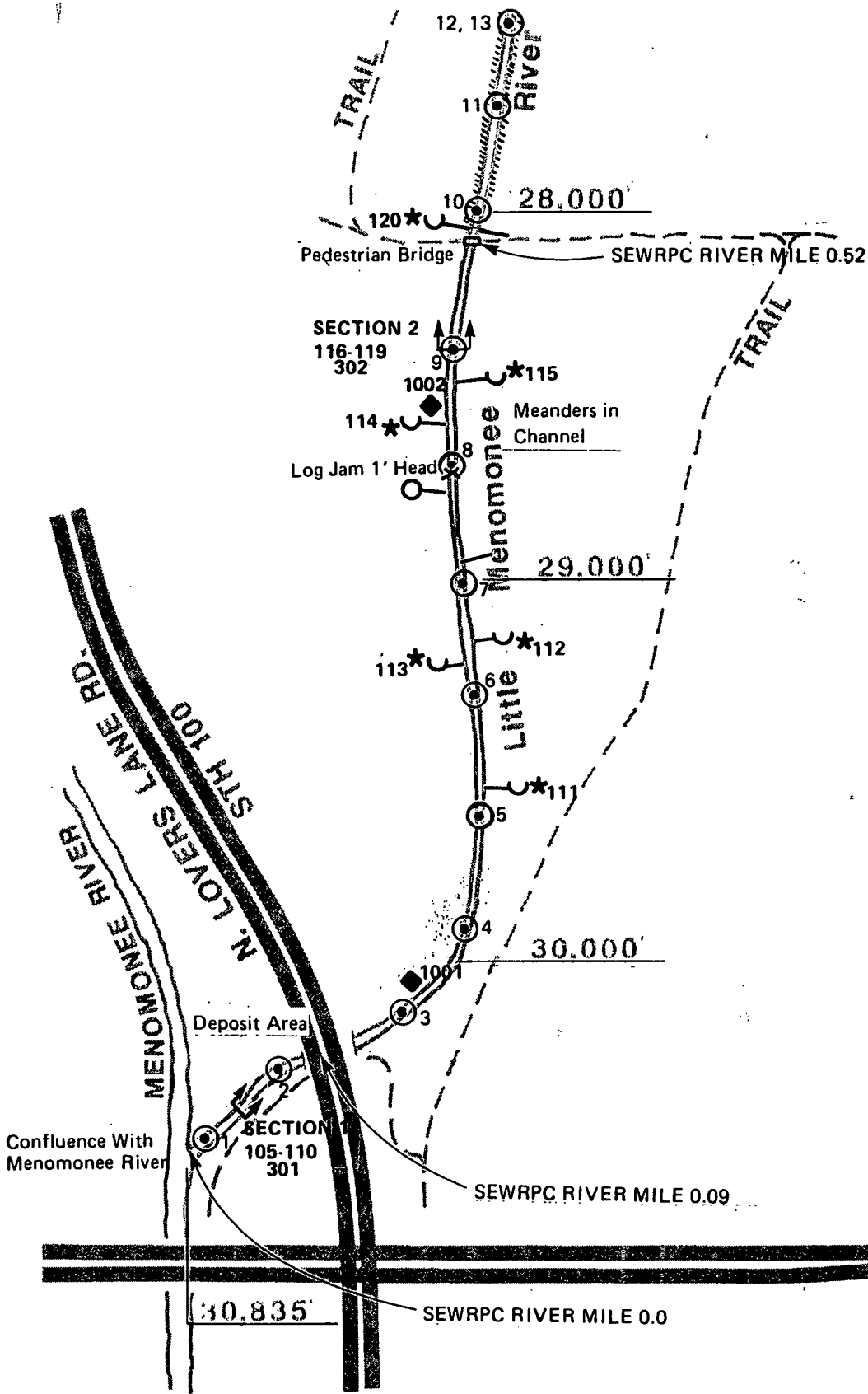
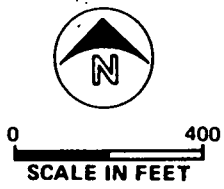


FIGURE 5
LITTLE MEMOMONEE RIVER
SEDIMENT SAMPLING LOCATIONS
MAY 4 - 19 AND JUNE 16 - 17, 1988
MOSS-AMERICAN RI



LEGEND

- PROBABLE DREDGING PILES
- INLETS:**
- DITCH/NATURAL CHANNEL
- CULVERT
- NO SIGNIFICANT FLOW
- CROSS SECTION SAMPLES
Sample Nos. taken @ Section
- RIVER SAMPLES
Sample Designation Number
- DREDGING AND FLOODPLAIN
DEPOSIT SAMPLES
Sample Designation Number
- INLET SAMPLES
Sample Designation Number

NOTE: Sediment Sample Designation Number 112
Refers to Sample SD112-01.
Soil (Dredging and Floodplain) Sample Designation
Number 1003 Refers to Sample SS1003-01.

HAMPTON AVE.

FIGURE 6
LITTLE MENOMONEE RIVER
SEDIMENT SAMPLING LOCATIONS
MAY 4 - 19 AND JUNE 16 - 17, 1988
MOSS-AMERICAN RI

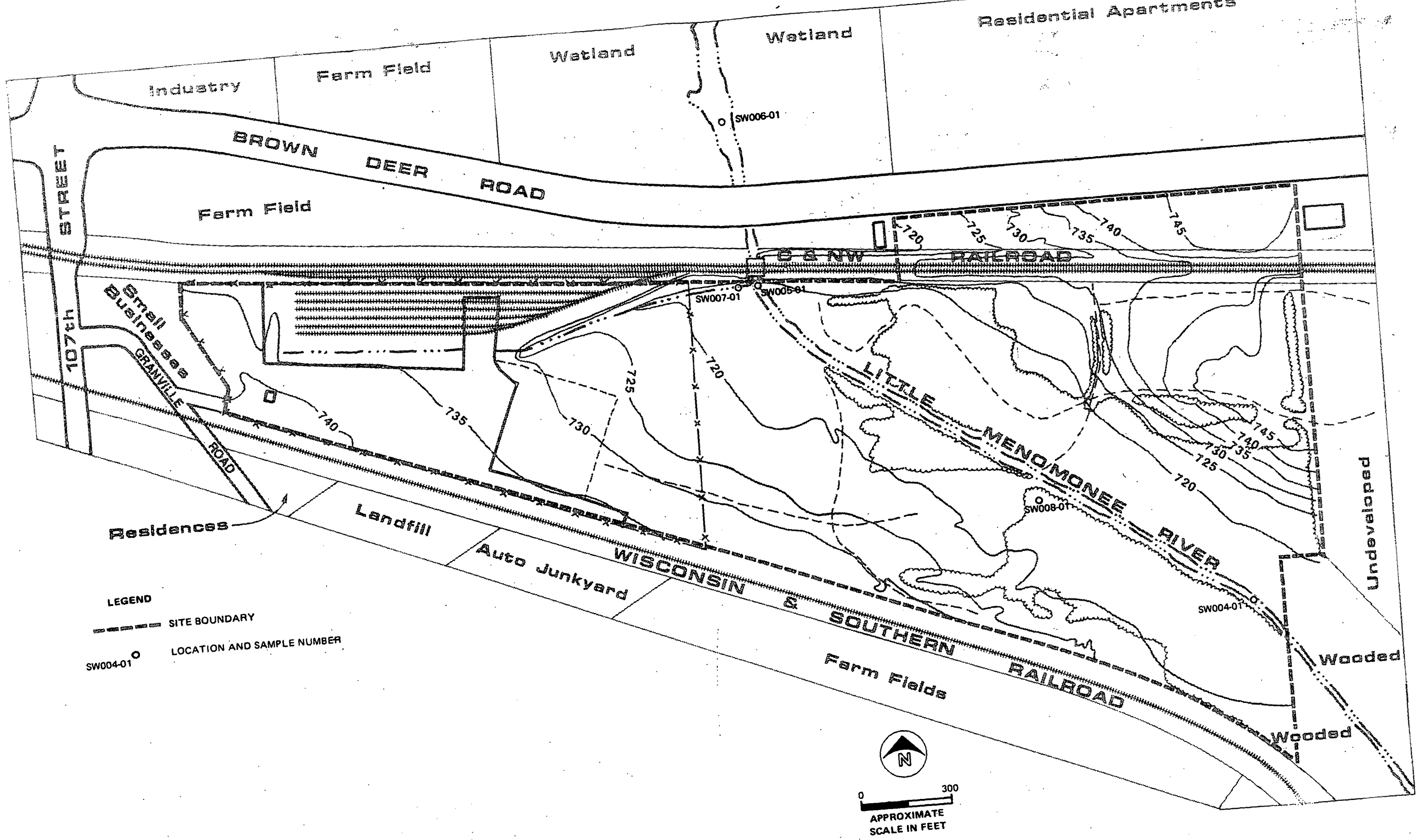


FIGURE C-2
SURFACE WATER SAMPLE LOCATIONS
 MOSS-AMERICAN RI

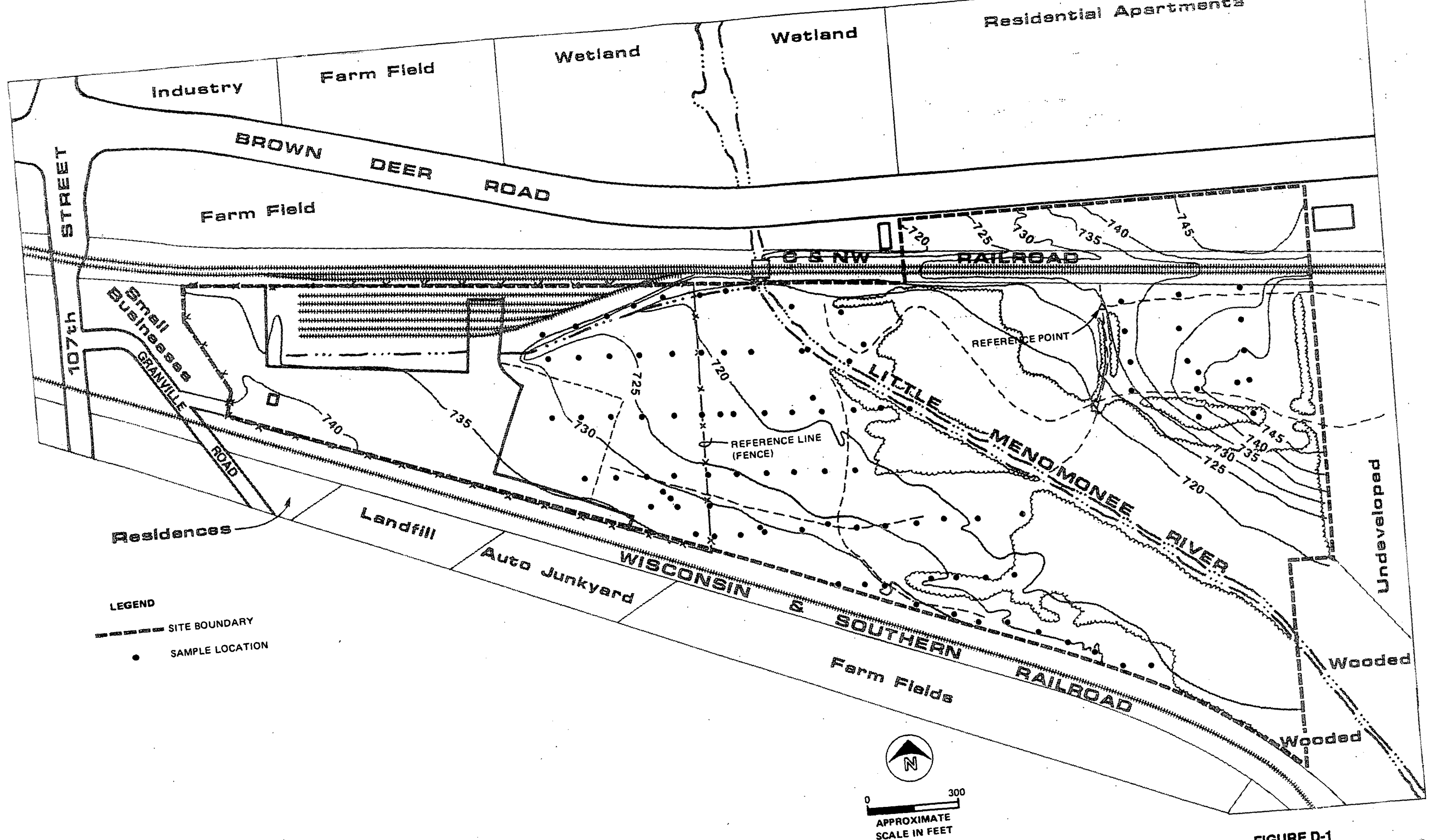
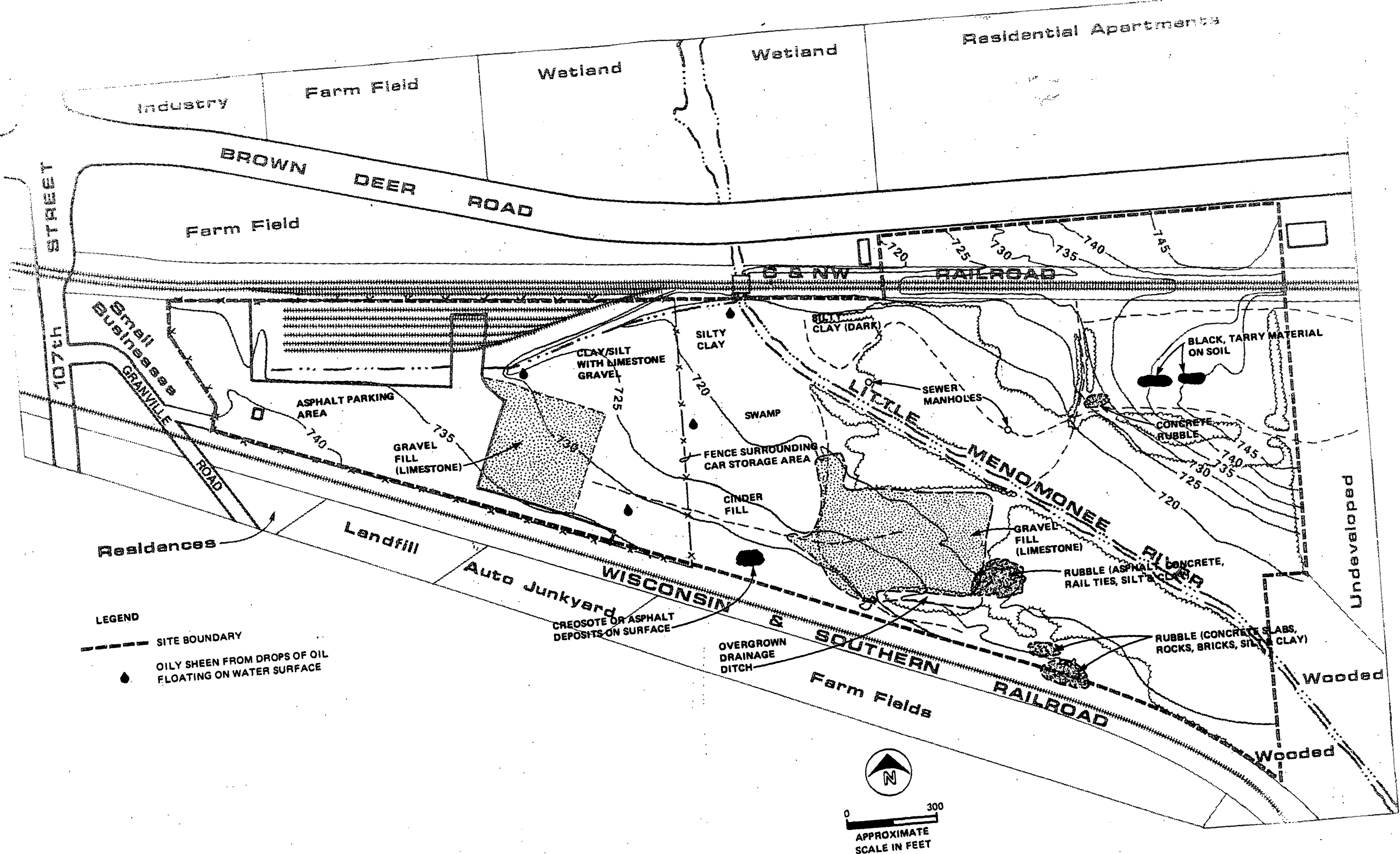


FIGURE D-1
SAMPLING POINTS USED
DURING TASK FM, MAPPING AND
SURVEYING
 MOSS-AMERICAN RI



LEGEND

- SITE BOUNDARY
- OILY SHEEN FROM DROPS OF OIL FLOATING ON WATER SURFACE

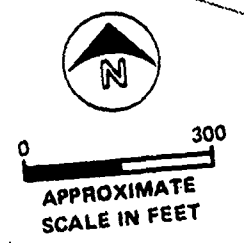
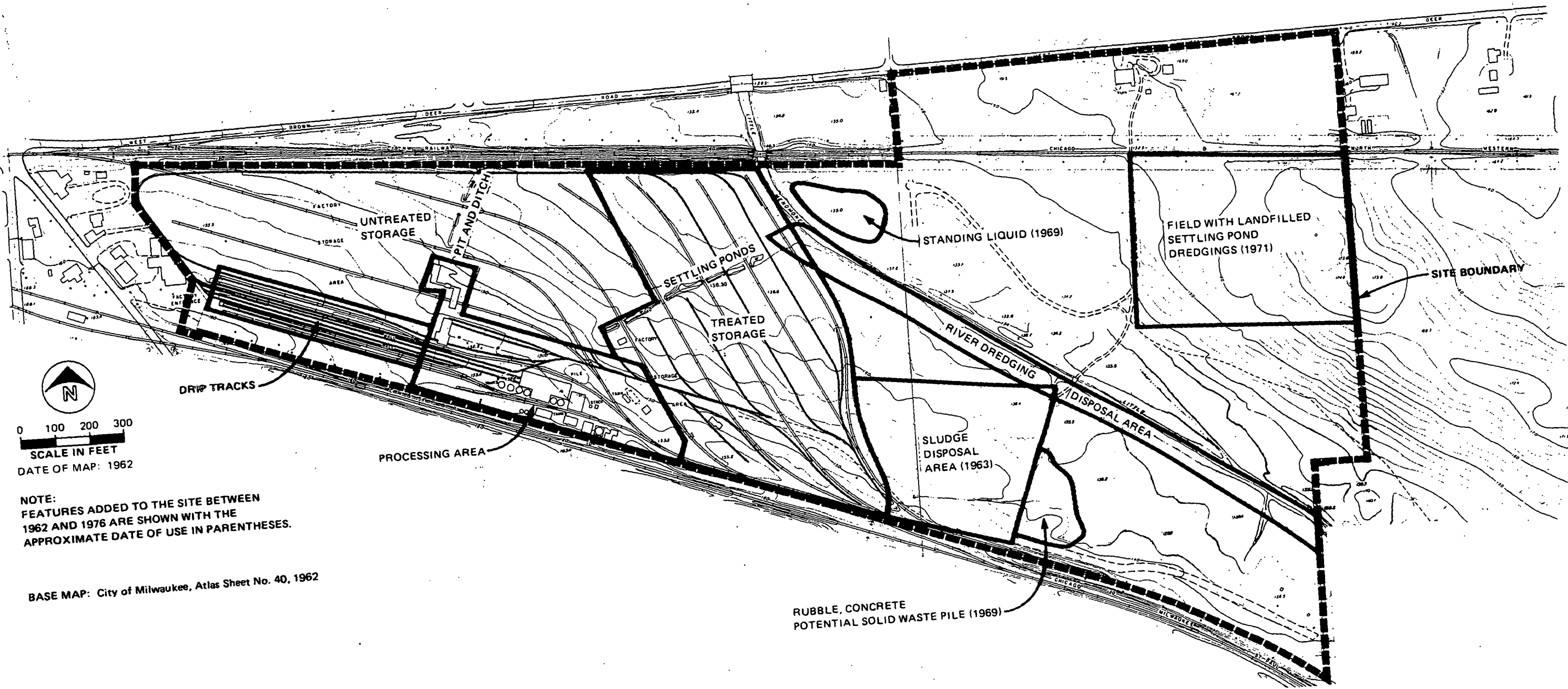


FIGURE D-2
EXISTING CONDITIONS: 1987
MOSS-AMERICAN R1



0 100 200 300
 SCALE IN FEET
 DATE OF MAP: 1962

NOTE:
 FEATURES ADDED TO THE SITE BETWEEN
 1962 AND 1976 ARE SHOWN WITH THE
 APPROXIMATE DATE OF USE IN PARENTHESES.

BASE MAP: City of Milwaukee, Atlas Sheet No. 40, 1962

FIGURE D-3
 AREAS OF
 POTENTIAL CONCERN
 MOSS-AMERICAN RI

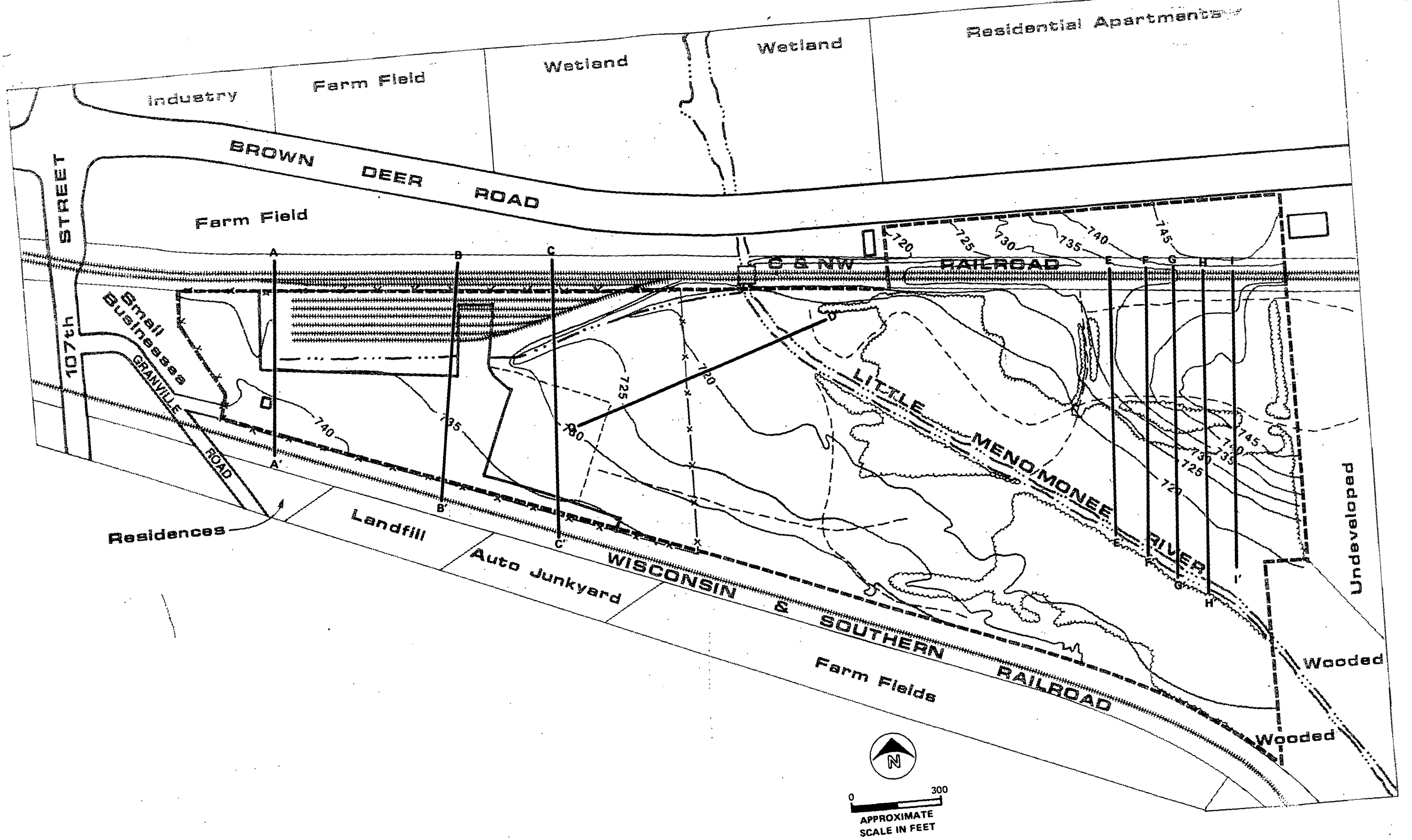


FIGURE D-4
 CROSS SECTION LOCATIONS
 MOSS-AMERICAN RI

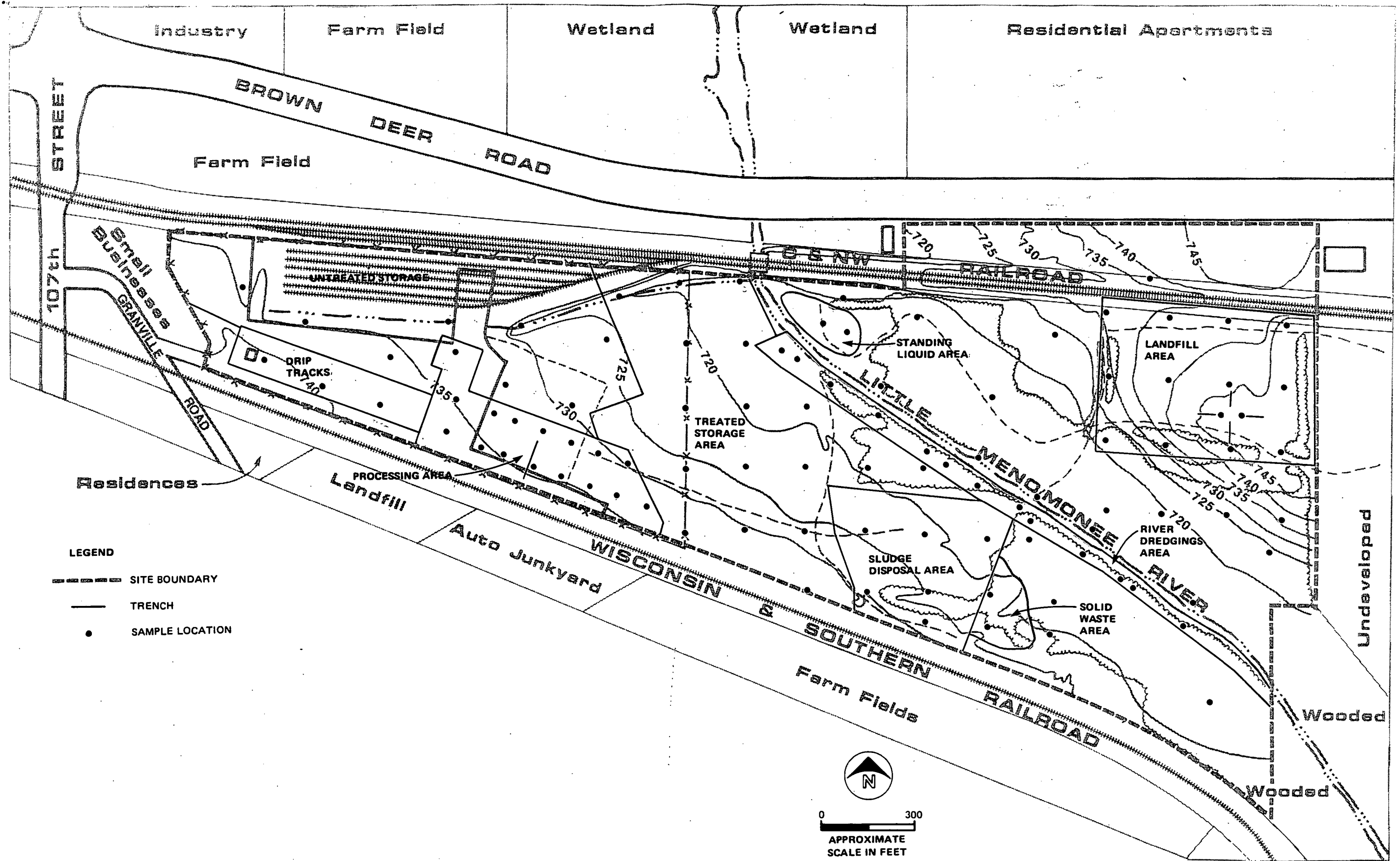


FIGURE D-9
PROPOSED SAMPLE LOCATIONS
FOR INITIAL SOIL SCREENING
 MOSS-AMERICAN RI

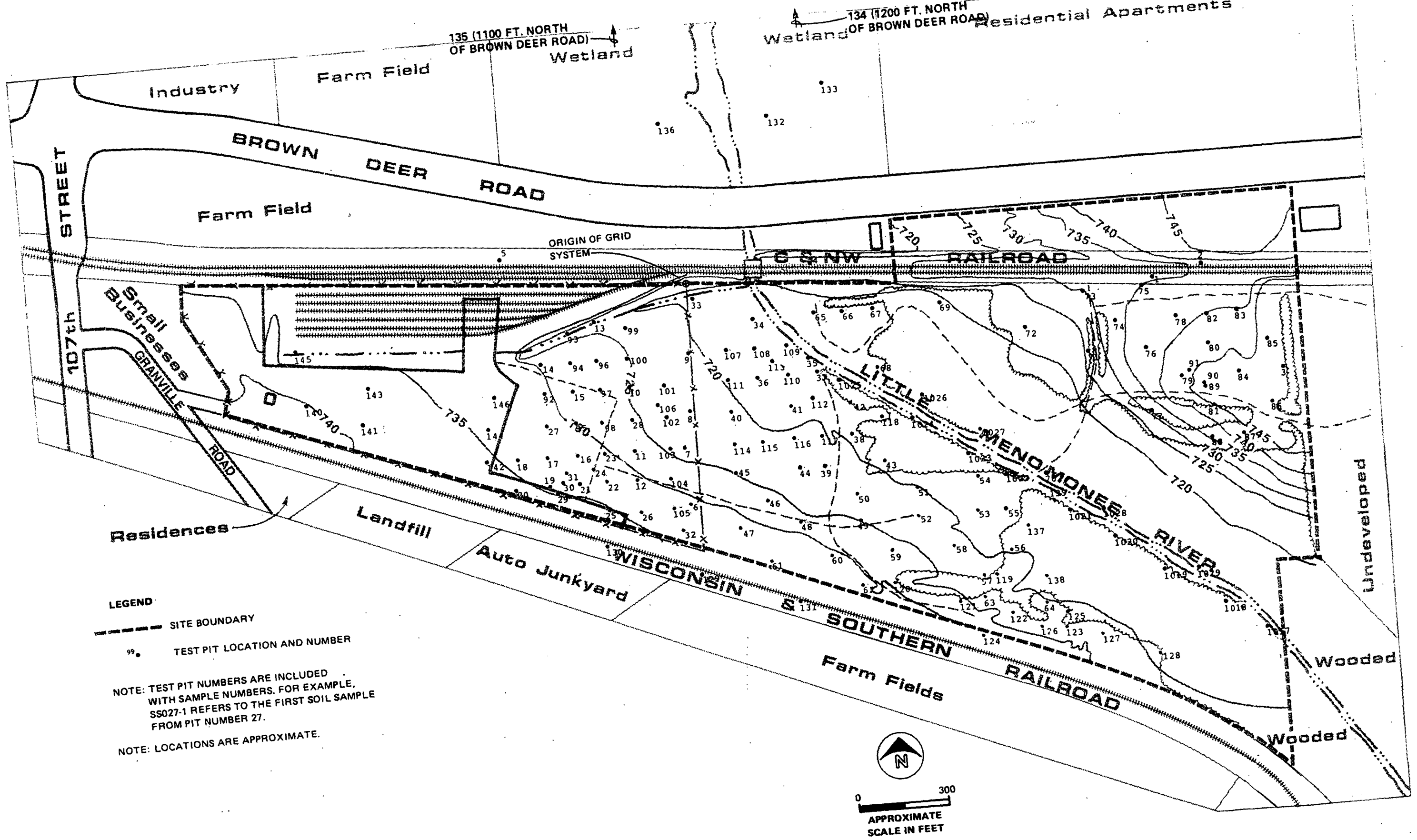
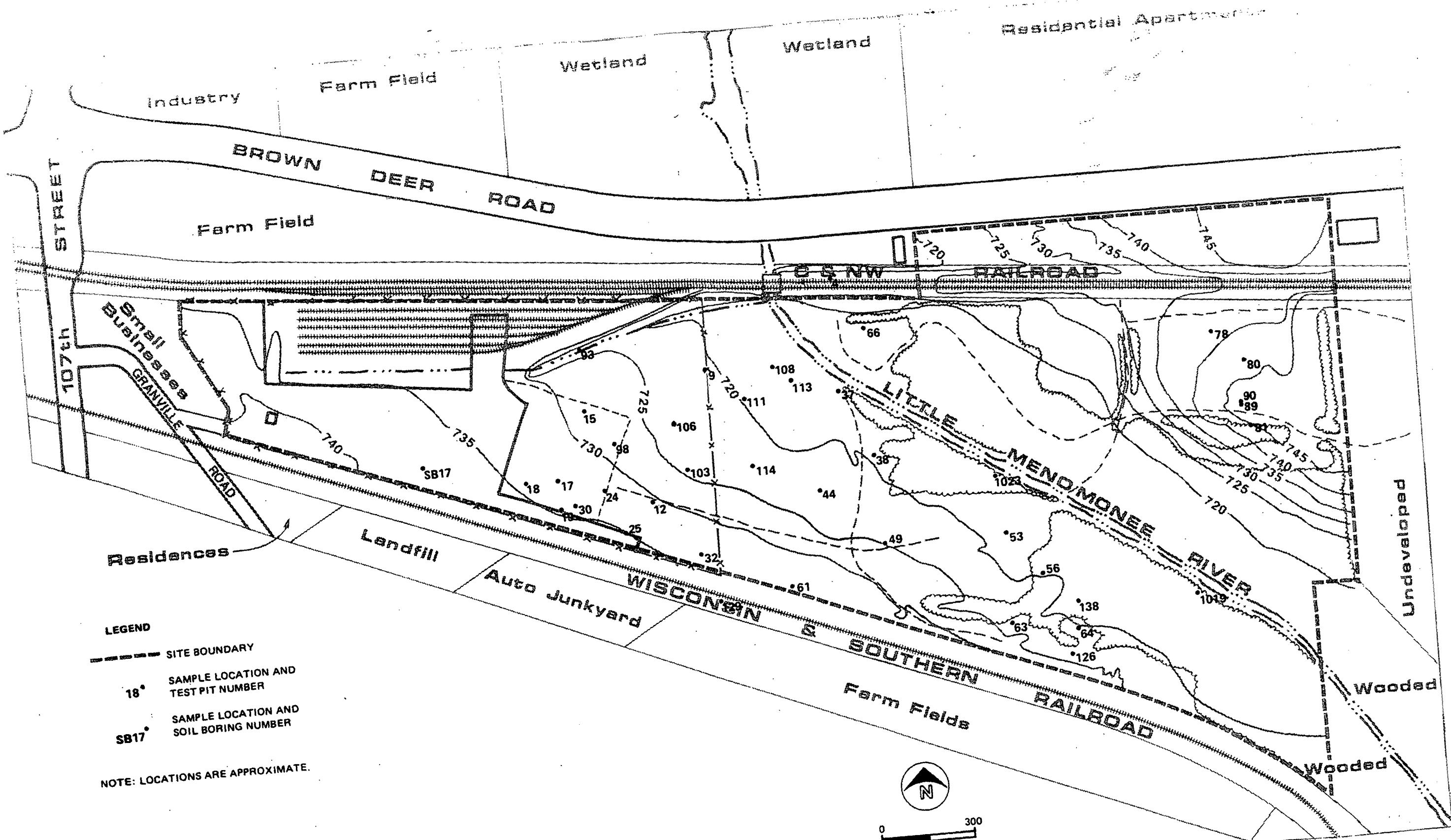


FIGURE E-1
SOIL SAMPLING LOCATIONS
FOR EXTRACTABLE ORGANIC ANALYSIS
 MOSS-AMERICAN RI



LEGEND

--- SITE BOUNDARY

18° SAMPLE LOCATION AND TEST PIT NUMBER

SB17° SAMPLE LOCATION AND SOIL BORING NUMBER

NOTE: LOCATIONS ARE APPROXIMATE.

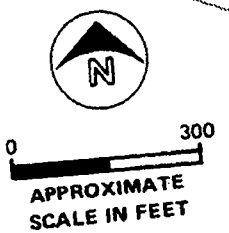
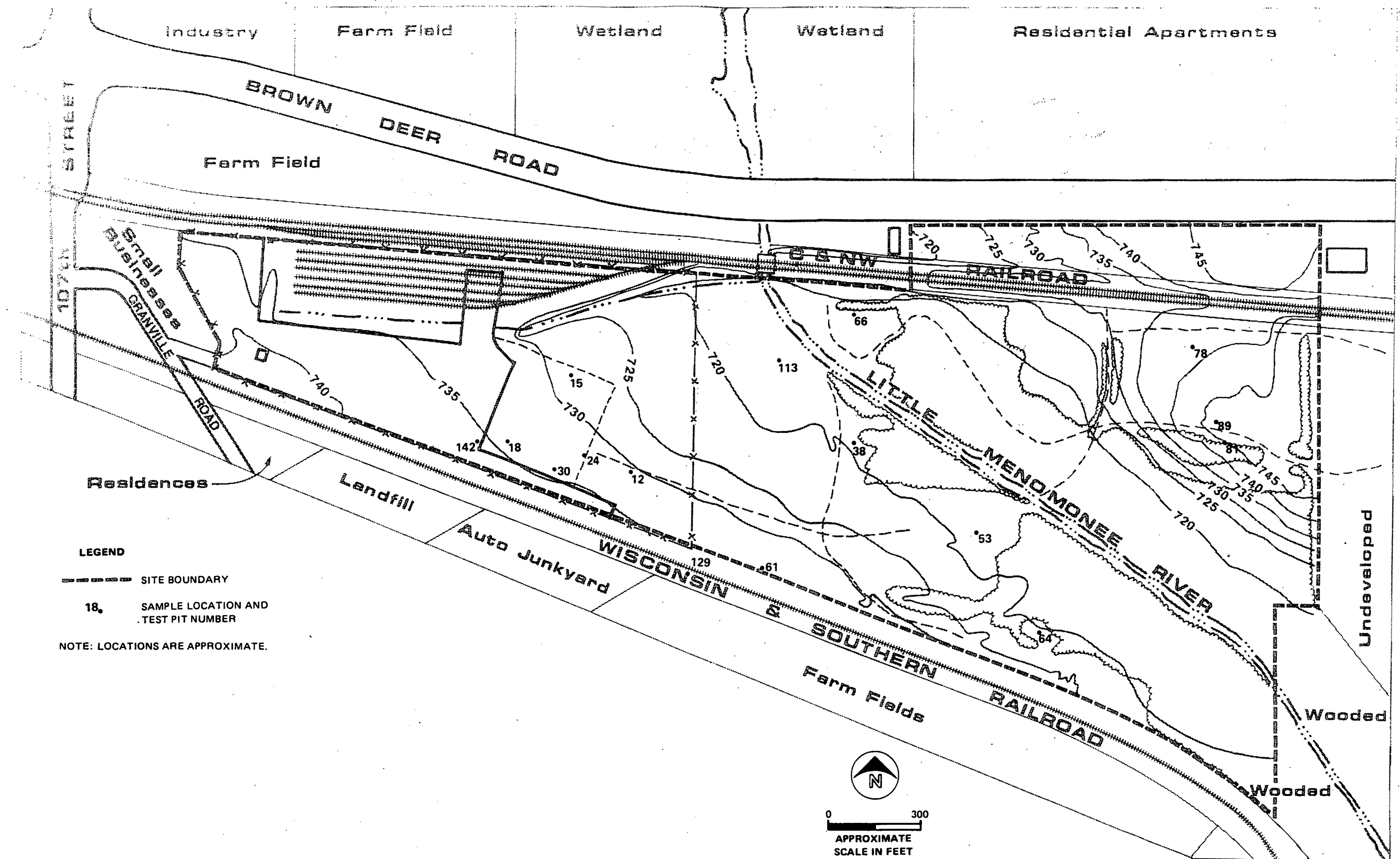


FIGURE E-2
SAMPLING LOCATIONS FOR
PAH AND PHENOLIC ACID
COMPOUND ANALYSIS
 MOSS-AMERICAN RI



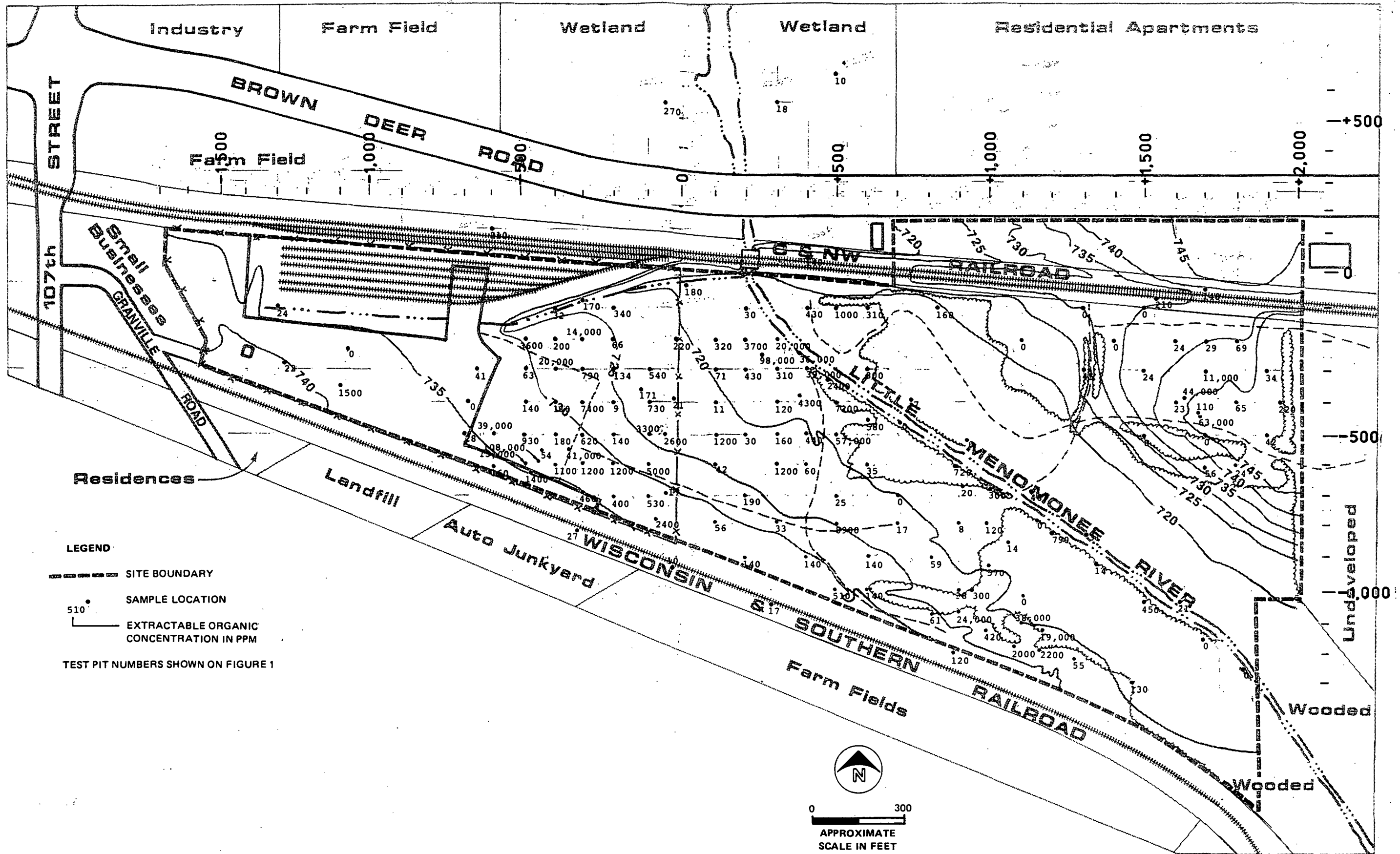
LEGEND

--- SITE BOUNDARY

18. SAMPLE LOCATION AND TEST PIT NUMBER

NOTE: LOCATIONS ARE APPROXIMATE.

FIGURE E-3
SAMPLING LOCATIONS FOR
CLP ANALYSES
 MOSS-AMERICAN RI



LEGEND

- SITE BOUNDARY
- SAMPLE LOCATION
- EXTRACTABLE ORGANIC CONCENTRATION IN PPM

TEST PIT NUMBERS SHOWN ON FIGURE 1

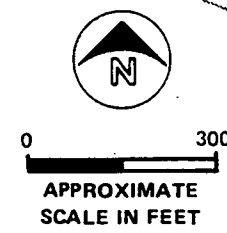
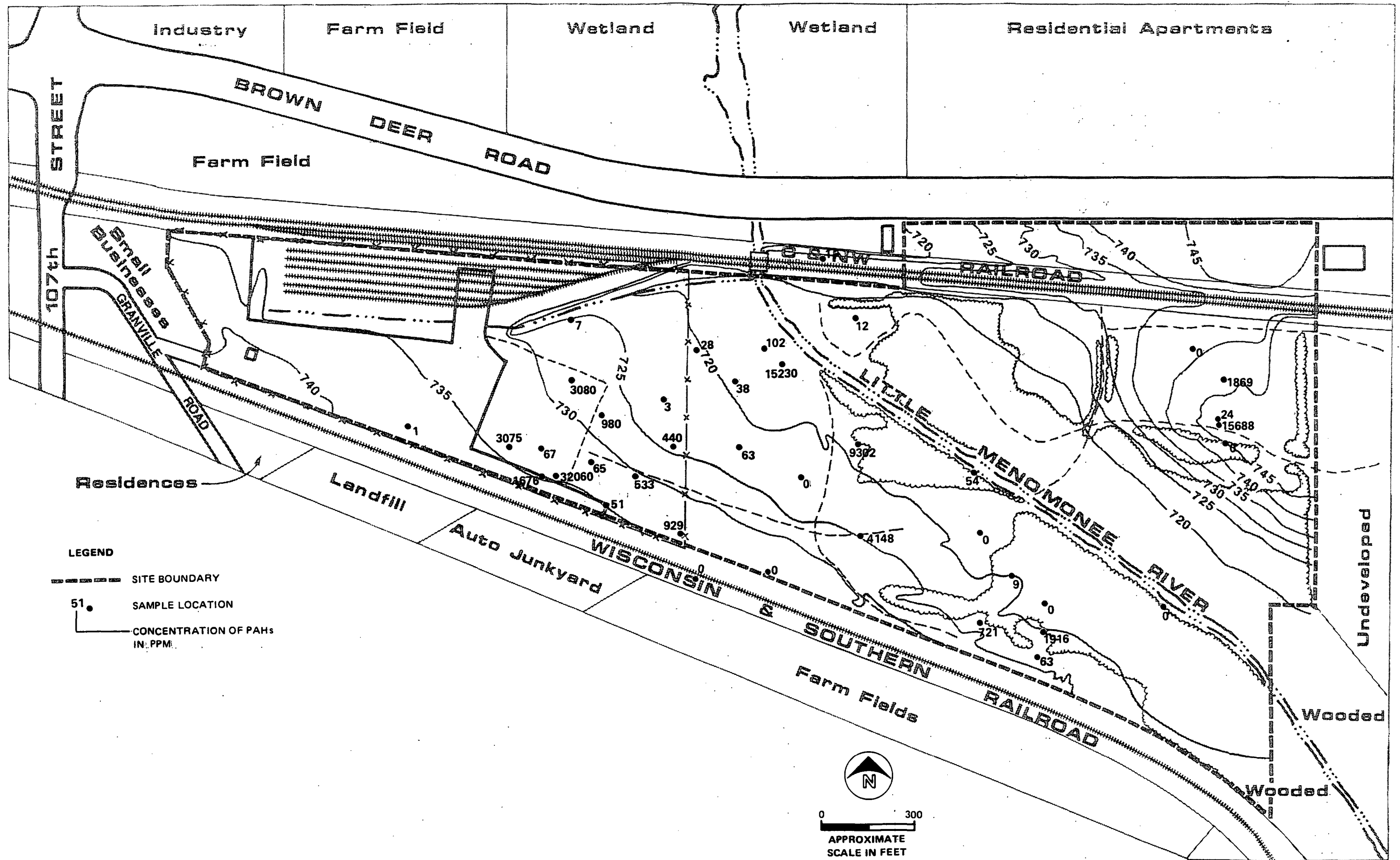


FIGURE E-4
CONCENTRATIONS OF
EXTRACTABLE ORGANIC
COMPOUNDS
 MOSS-AMERICAN RI



**FIGURE E-5
TOTAL PAH CONCENTRATIONS
IN SOIL
MOSS-AMERICAN RI**

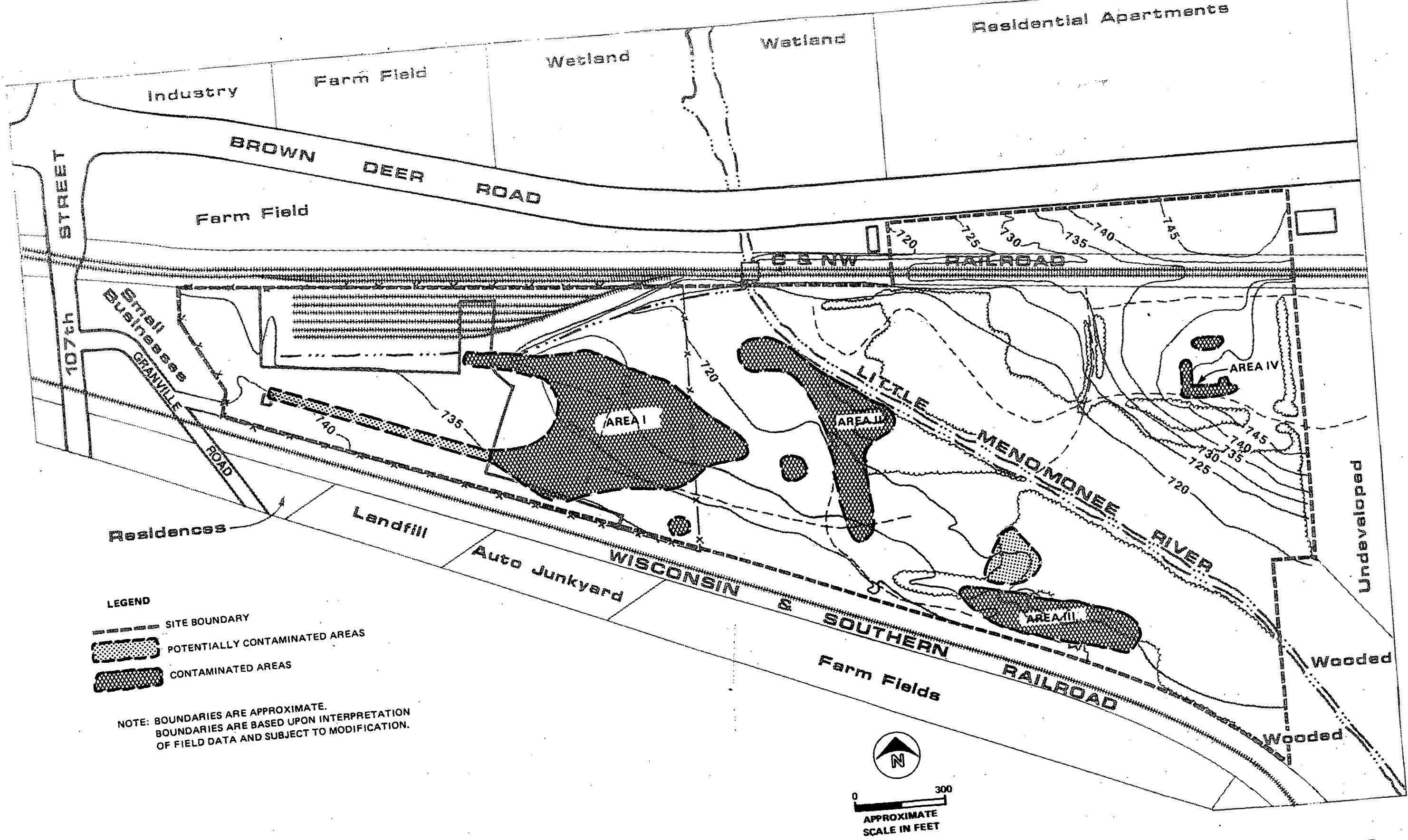


FIGURE E-7
LATERAL EXTENT OF
SOIL CONTAMINATION
MOSS-AMERICAN RI

Residential Apartments

Water and

Island

BROWN DEER ROAD

Farm Field

ST. HUBERT

ST. HUBERT BUSINESS ROAD

ROAD

Residences

Landfill

Auto Junkyard

WISCONSIN & SOUTHERN RAILROAD

Farm Fields

RAILROAD

Wooded

Wooded

Undeveloped

LEGEND

- SITE BOUNDARY
 - MW-● MONITORING WELL LOCATIONS
 - S- SHALLOW WELL
 - I- INTERMEDIATE WELL
 - D- DEEP WELL
 - SB-○ SOIL BORING LOCATION
- LOCATIONS ARE APPROXIMATE.



0 300
APPROXIMATE SCALE IN FEET

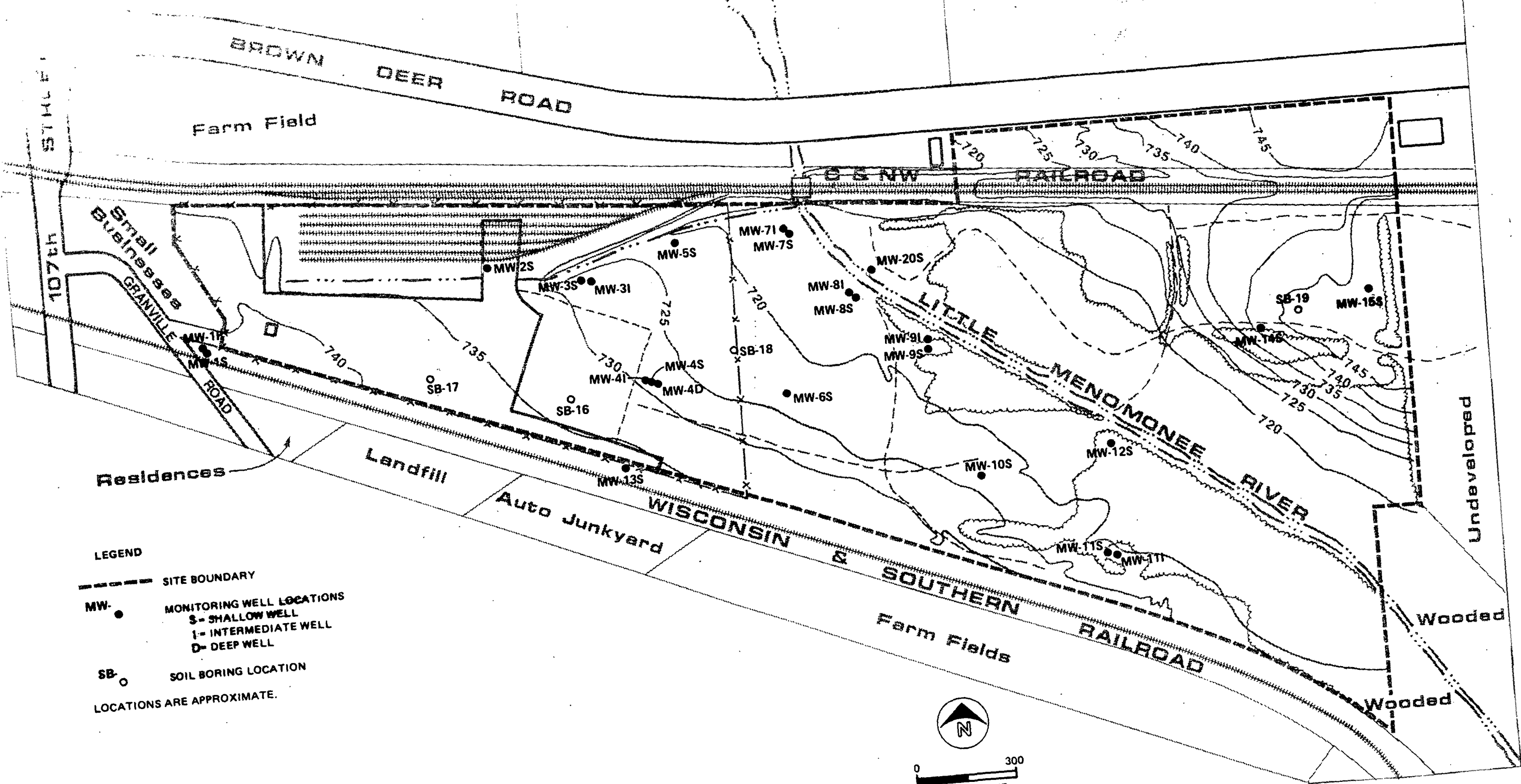
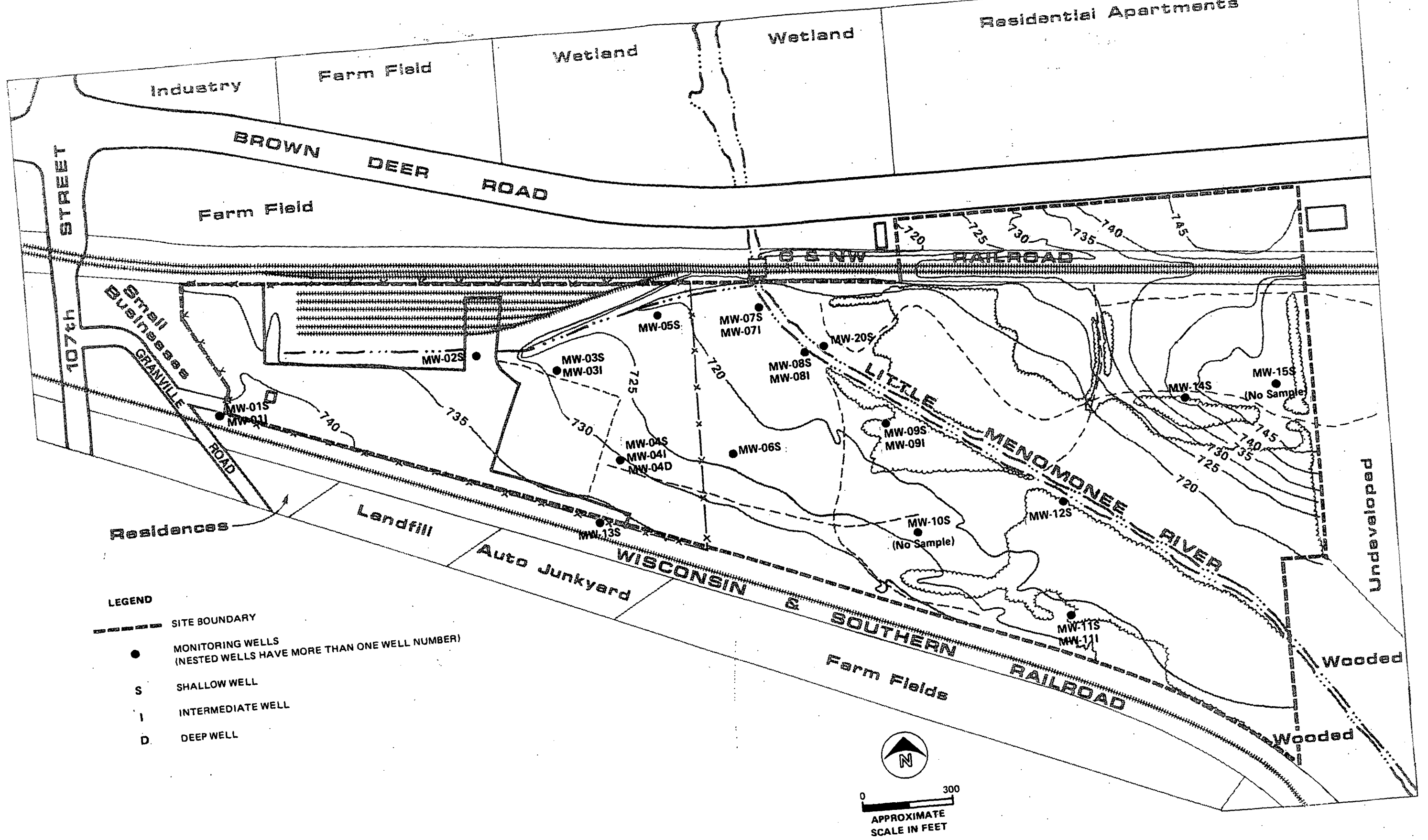


FIGURE F-1
MONITORING WELL AND
SOIL BORING LOCATIONS
MOSS-AMERICAN RI



**FIGURE G-1
MONITORING WELL LOCATIONS
MOSS-AMERICAN RI**

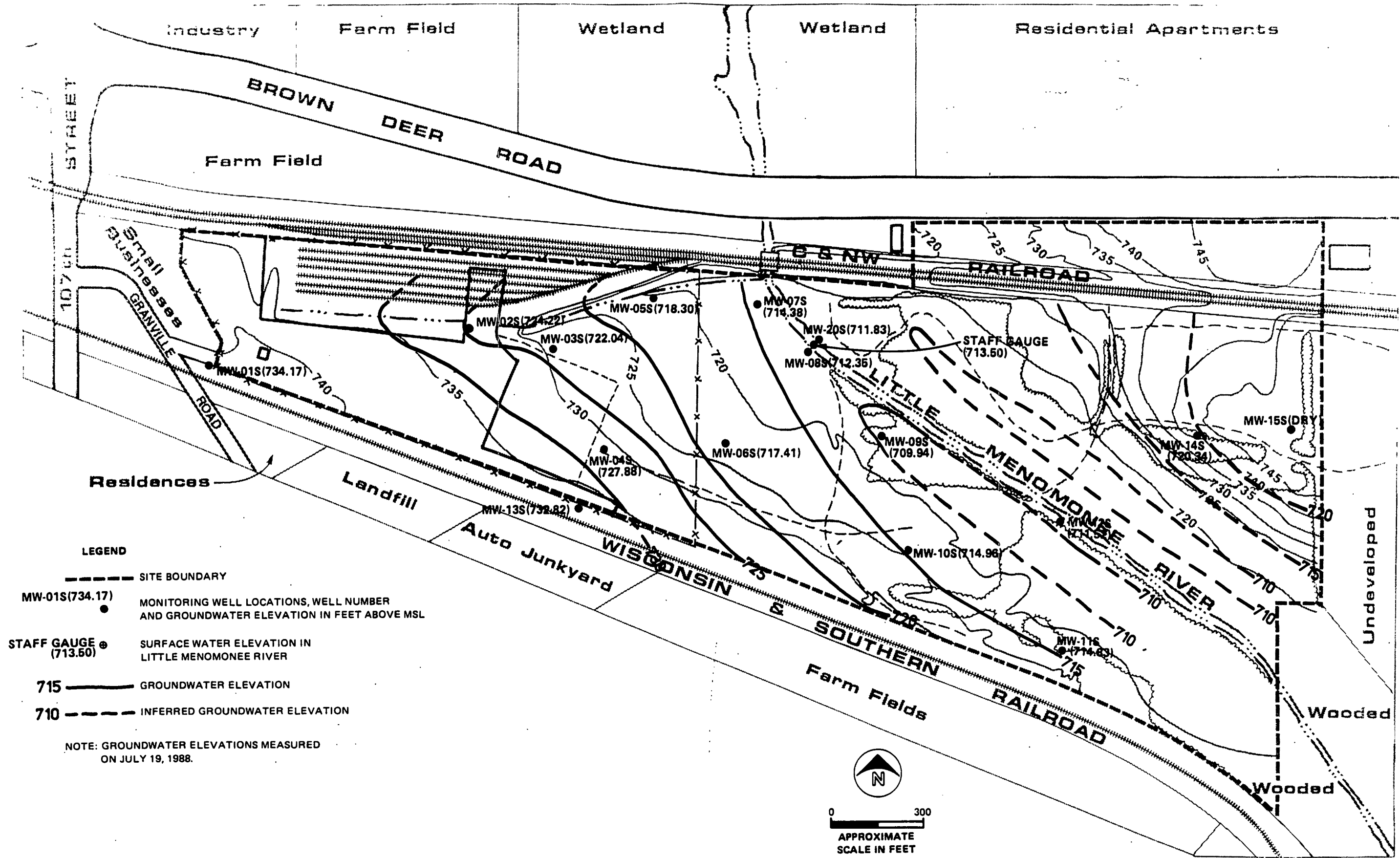


FIGURE G-2
GROUNDWATER ELEVATION
CONTOUR MAP
 MOSS-AMERICAN RI

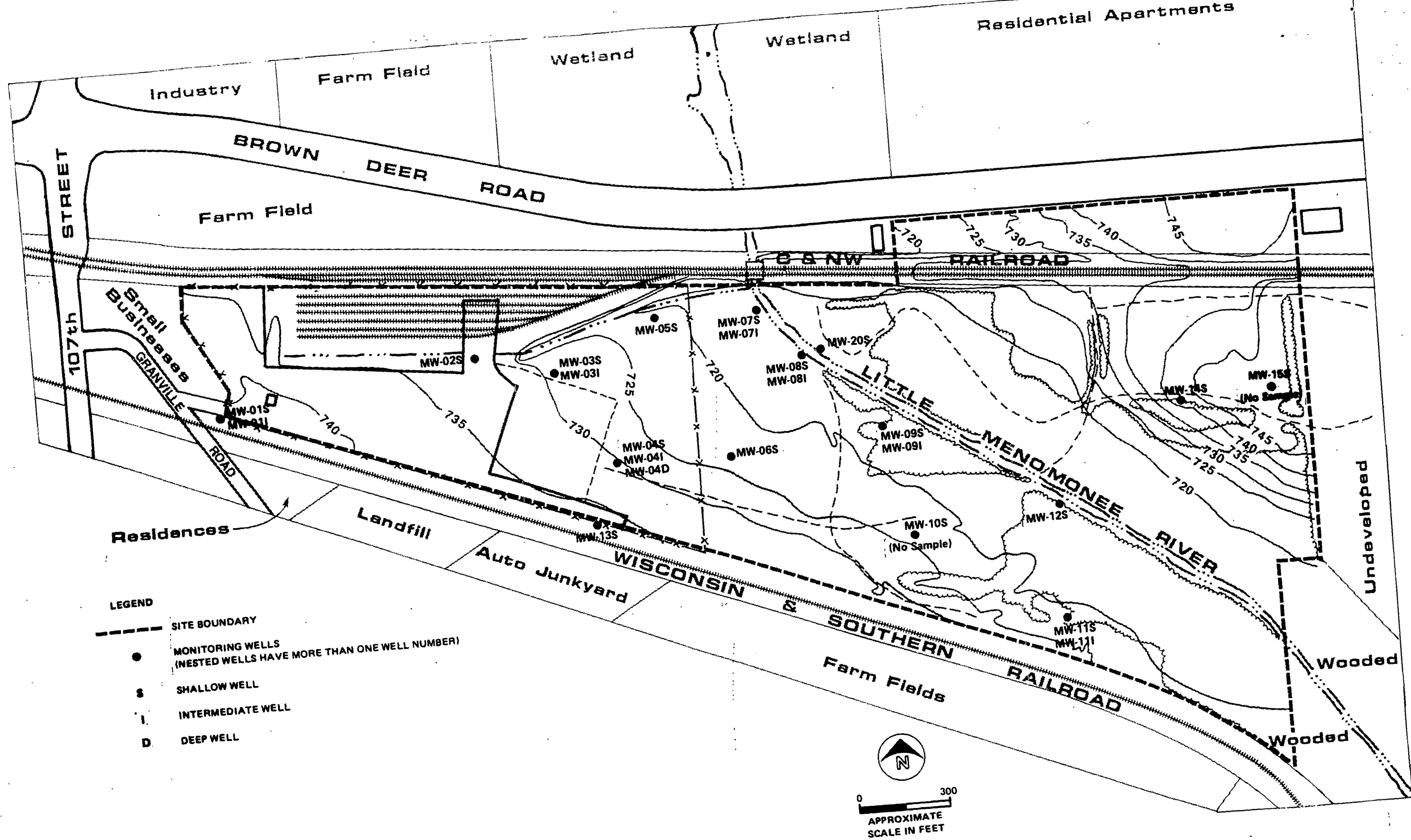


FIGURE H-1
MONITORING WELL LOCATIONS
 MOSS-AMERICAN RI

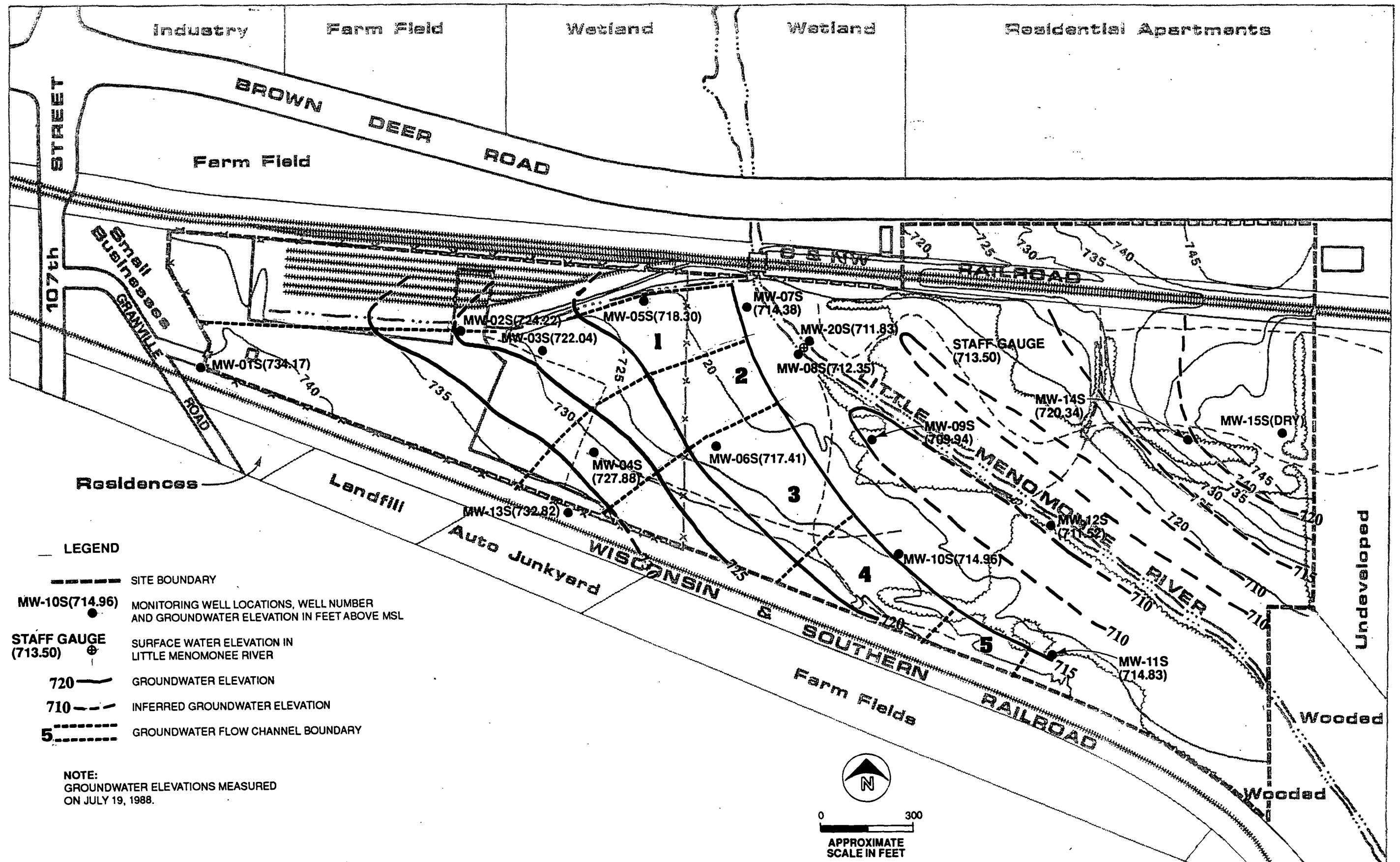


FIGURE I-1
GROUNDWATER ELEVATIONS
AND FLOW CHANNELS
MOSS-AMERICAN RI

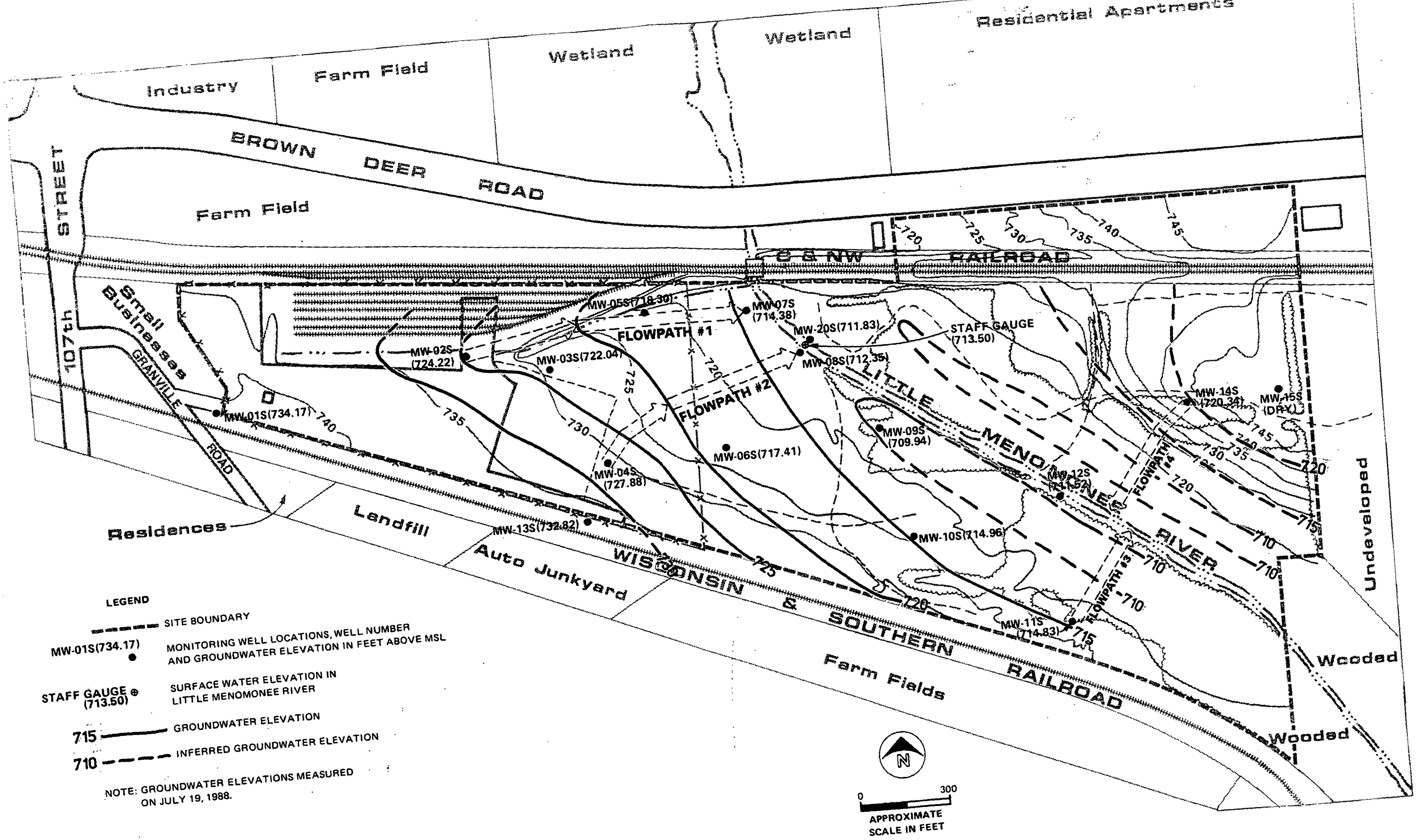


FIGURE J-1
GROUNDWATER FLOWPATHS
 MOSS-AMERICAN RI

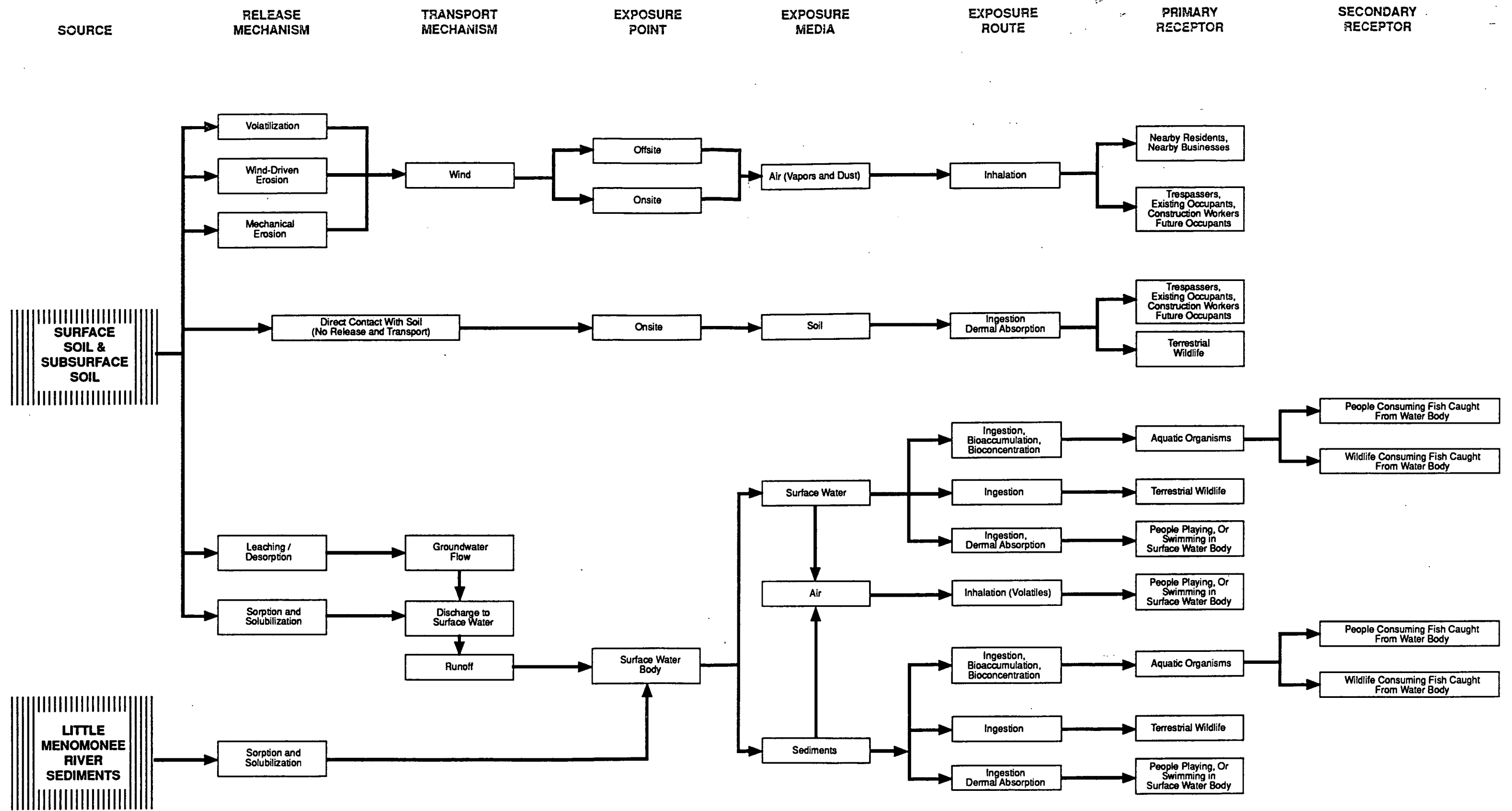


FIGURE K-2
POTENTIAL EXPOSURE ROUTES
MOSS-AMERICAN RI

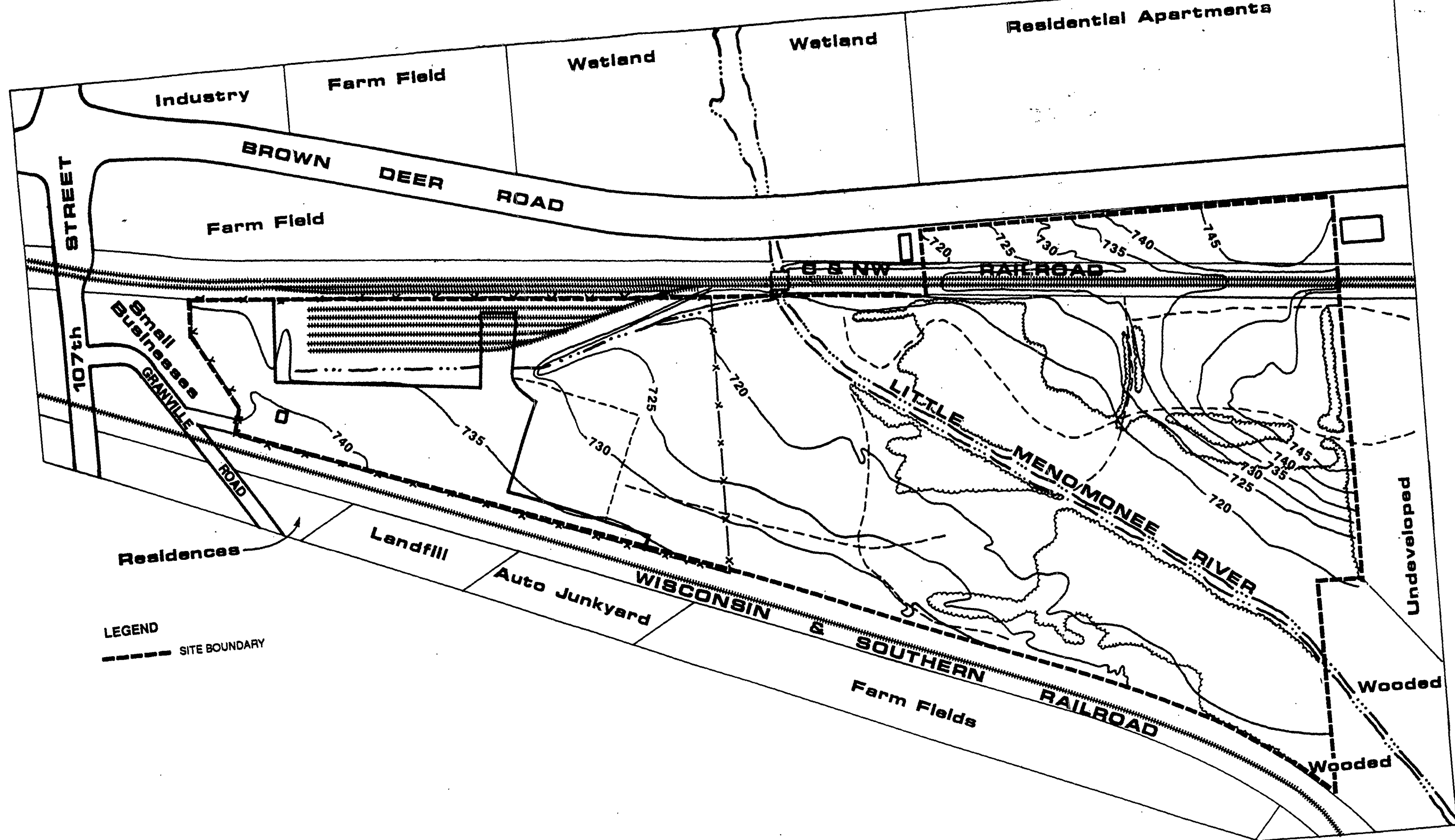


FIGURE K-3
 LAND USE MAP
 MOSS-AMERICAN RI