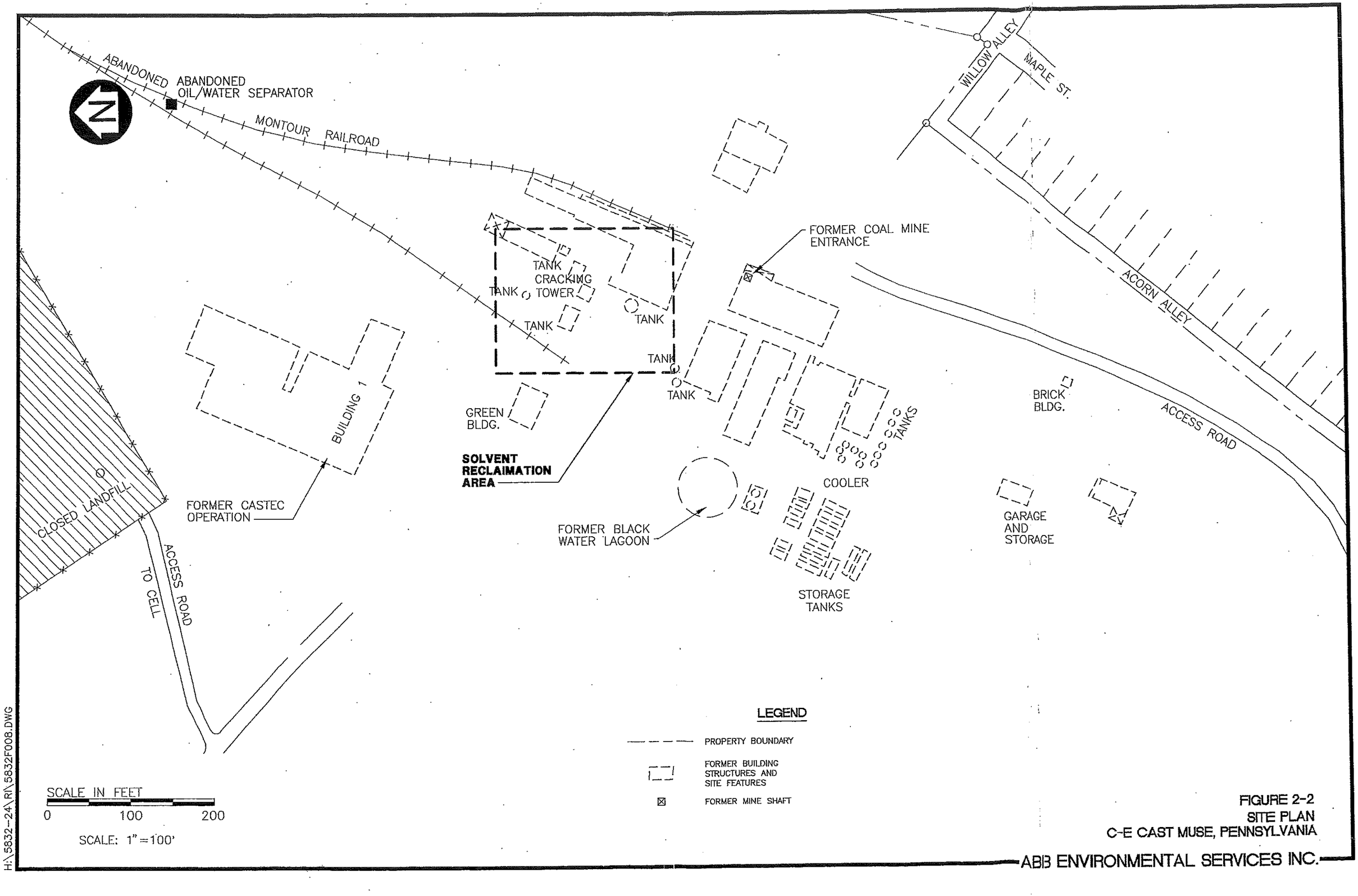

FIGURE 2-2
SITE PLAN
C-E CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

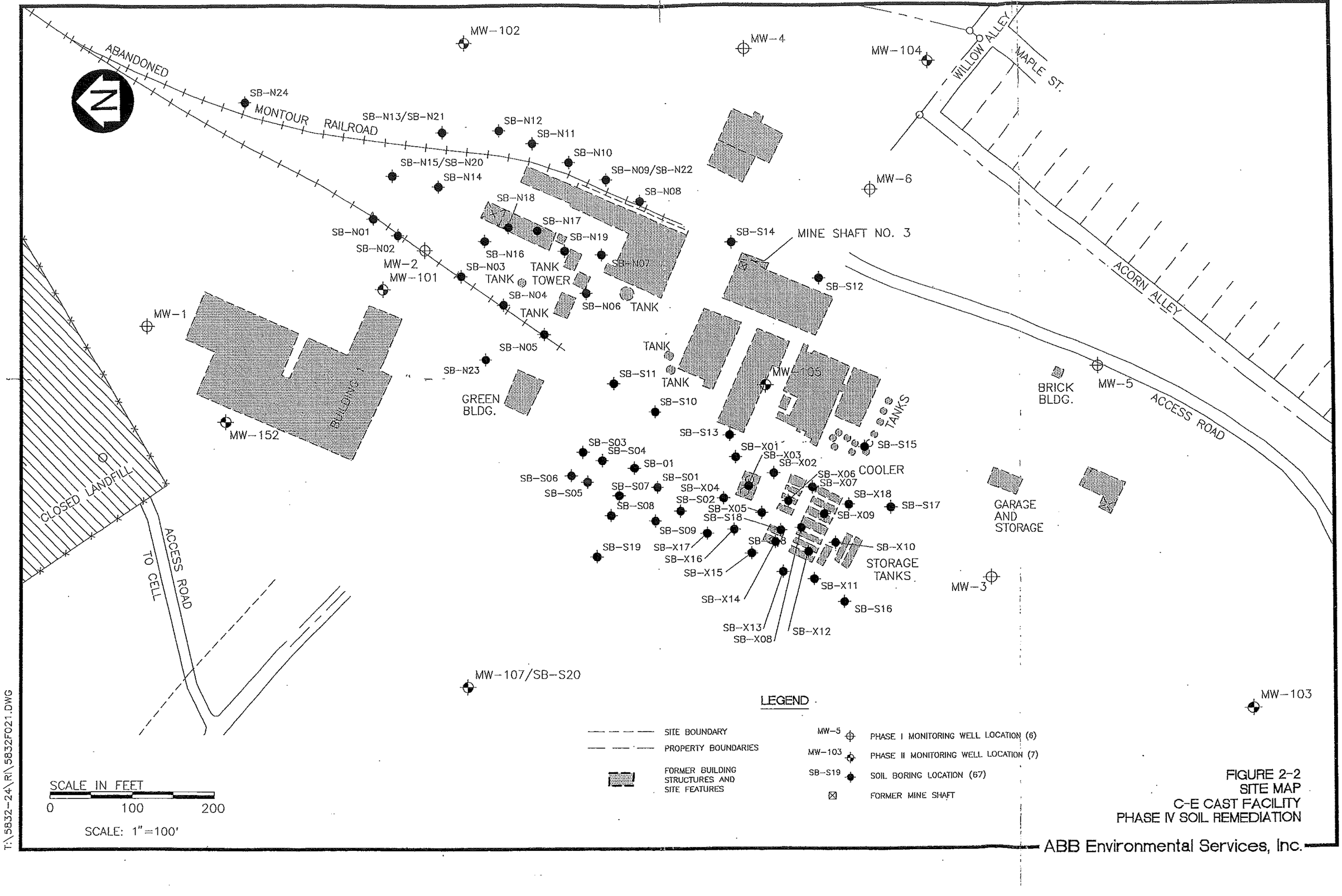

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FIGURE 2-2
SITE MAP
C-E CAST FACILITY
PHASE IV SOIL REMEDIATION

ABB Environmental Services, Inc.

NOTE :
SW-101 IS LOCATED APPROXIMATELY 100' TO THE EAST

SW-102
ABANDONED
MONTOUR RAILROAD
OIL\WATER SEPARATOR
MW-4
WILLOW ALLEY
MAPLE ST.
MW-6
MW-2
TANK
TANK
TOWER
TANK
TANK
MW-1
BUILDING 1
GREEN BLDG.
TANK
TANK
ACORN ALLEY
BRICK BLDG.
MW-5
ACCESS ROAD
SB-01
COOLER
TANKS
GARAGE AND STORAGE
STORAGE TANKS
MW-3
CLOSED LANDFILL
ACCESS ROAD TO CELL

SCALE IN FEET
0 100 200

SCALE: 1"=100'

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARIES
- FORMER BUILDING STRUCTURES AND SITE FEATURES
- MW-5 — SITE CLOSURE MONITORING WELL LOCATION (6)
- SB-01 — SITE CLOSURE SOIL BORING LOCATION (1)
- SW-102 — SURFACE WATER SAMPLING LOCATION (2)
- MINE SHAFT
- OIL/WATER SEPARATOR

FIGURE 2-3
SITE CLOSURE INVESTIGATION
EXPLORATION LOCATION MAP
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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NOTE:
MW-106 IS LOCATED APPROXIMATLY
190' TO THE EAST

N

ABANDONED MONTOUR RAILROAD

MW-102
MW-104
WILLOW ALLEY
MAPLE ST.
ACORN ALLEY
ACCESS ROAD

SB-N24
SB-N13
SB-N12
SB-N11
SB-N10
SB-N09/SB-N22
SB-N08
SB-N15/SB-N20
SB-N14
SB-N01
SB-N17
SB-N18
SB-N19
SB-N02
SB-N16
SB-N03
SB-N07
SB-N04
SB-N06
SB-N05
SB-N23
AREA 1
TANK
TOWER
MW-101

SB-S14
SB-S12
TANK
TANK
MW-105
BRICK BLDG.
GREEN BLDG.
SB-S11
SB-S10
TANKS
SB-S13
SB-X01
SB-X03
SB-X02
COOLER
SB-X06
SB-X07
SB-S15
SB-S03
SB-S04
SB-S05
SB-S01
SB-X04
SB-S06
AREA 2
AREA 3
SB-X18
SB-S07
SB-S02
SB-X05
SB-X09
SB-S17
SB-S18
SB-S08
SB-S09
SB-X17
SB-X10
SB-X16
SB-S19
SB-X15
STORAGE TANKS
SB-X11
SB-X14
SB-S16
SB-X13
SB-X12
SB-X08
GARAGE AND STORAGE

MW-152
BUILDING 1
CLOSED LANDFILL
ACCESS ROAD TO CELL

MW-107
MW-103

LEGEND

- PROPERTY BOUNDARY
- FORMER BUILDING STRUCTURES AND SITE FEATURES
- FORMER MINE SHAFT
- POTENTIAL SOURCE \STUDY AREA
- MW-103 PHASE II MONITORING WELL LOCATION (7)
- SB-S16 PHASE II SOIL BORING LOCATION (67)

SCALE IN FEET
0 100 200
SCALE: 1"=100'

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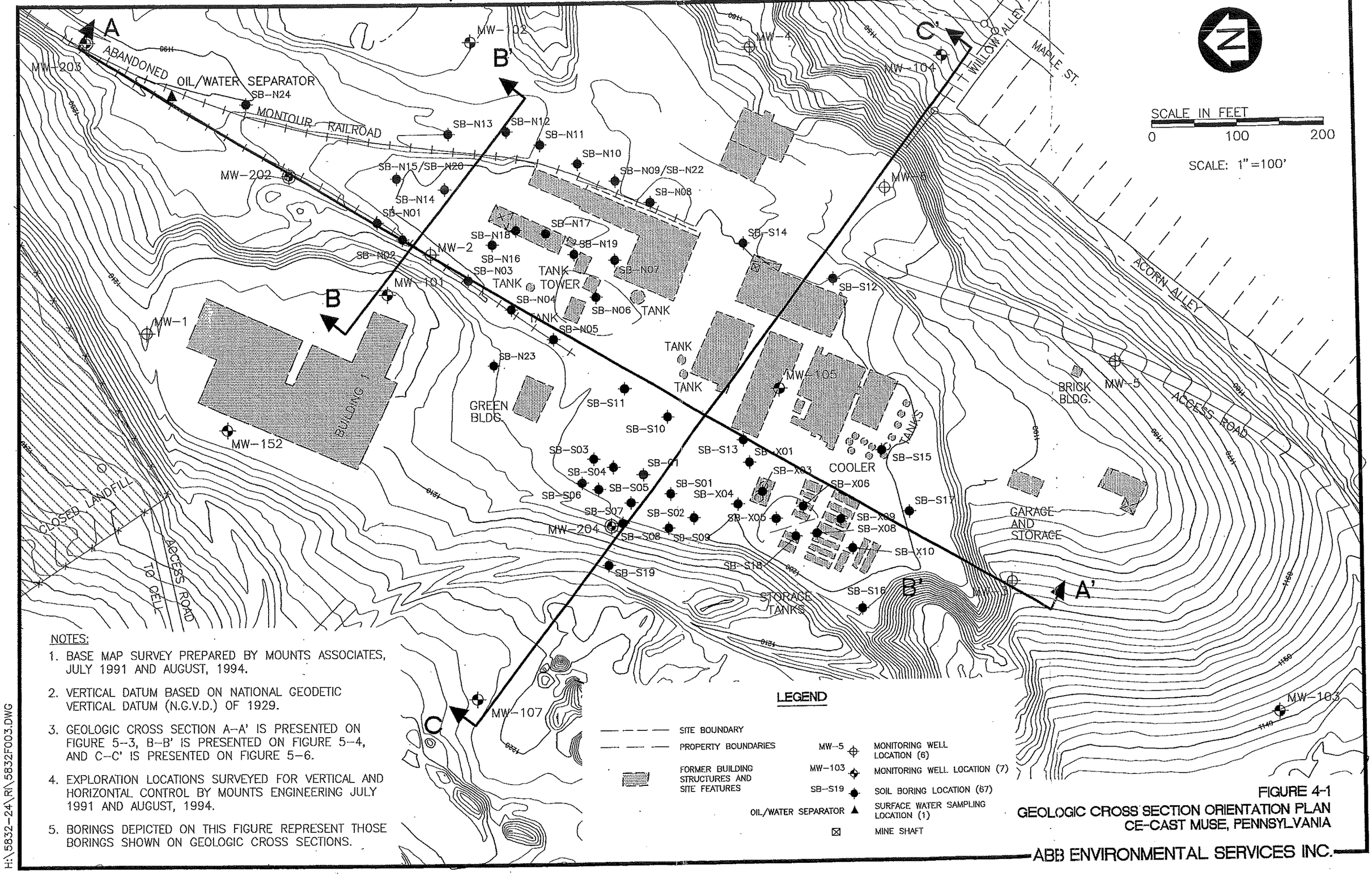
FIGURE 2-4
PHASE II EXPLORATION LOCATIONS
C-E CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.



NOTES:

1. BASE MAP SURVEY PREPARED BY MOUNTS ASSOCIATES, JULY 1991 AND AUGUST, 1994.
2. VERTICAL DATUM BASED ON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929.
3. GEOLOGIC CROSS SECTION A-A' IS PRESENTED ON FIGURE 5-3, B-B' IS PRESENTED ON FIGURE 5-4, AND C-C' IS PRESENTED ON FIGURE 5-6.
4. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING JULY 1991 AND AUGUST, 1994.
5. BORINGS DEPICTED ON THIS FIGURE REPRESENT THOSE BORINGS SHOWN ON GEOLOGIC CROSS SECTIONS.

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARIES
- FORMER BUILDING STRUCTURES AND SITE FEATURES
- MW-5 — MONITORING WELL LOCATION (6)
- MW-103 — MONITORING WELL LOCATION (7)
- SB-S19 — SOIL BORING LOCATION (67)
- OIL/WATER SEPARATOR — SURFACE WATER SAMPLING LOCATION (1)
- MINE SHAFT

FIGURE 4-1
GEOLOGIC CROSS SECTION ORIENTATION PLAN
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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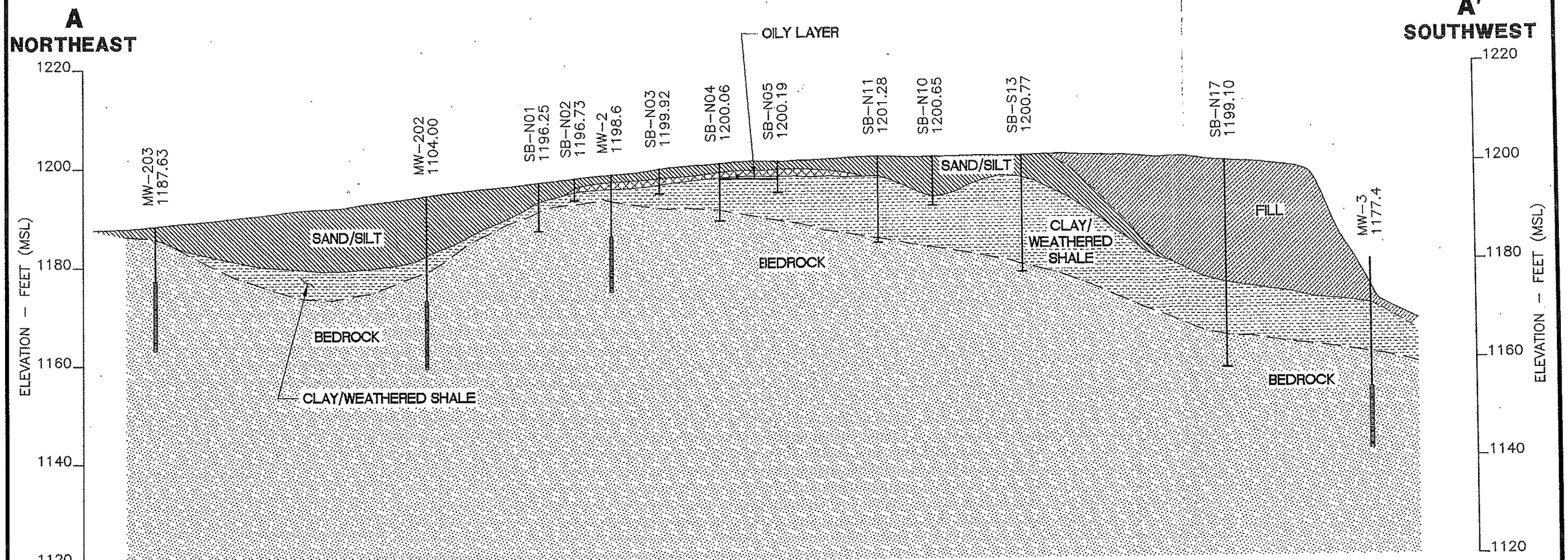

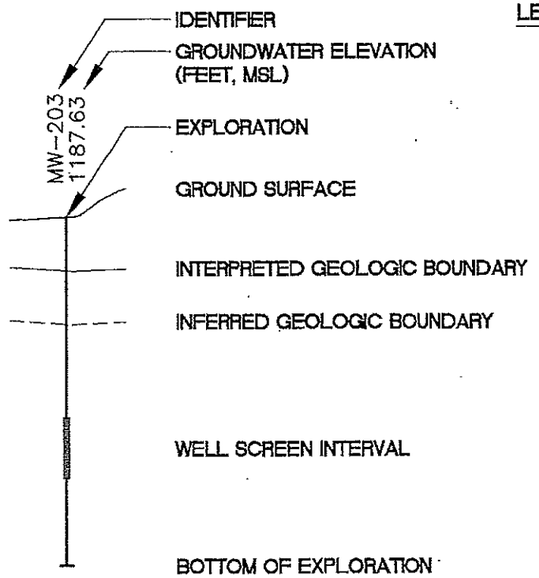

LEGEND:

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

SAND/SILT
NATURAL SOILS CONSIST OF SILT AND SAND

BLACK OILY FILL
BLACK OILY FILL CONSISTS OF COAL AND RED-DOG ROCK FRAGMENTS AND SOME SOIL STAINED WITH BLACK OILY MATERIAL.

CLAY/(WEATHERED SHALE)
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY BROWN TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP BUT ARBITRARY HORIZONTAL LAYERING WHEN DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4–1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.

SCALE IN FEET
0 100 200

Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 4-2
INTERPRETIVE GEOLOGIC CROSS SECTION A-A'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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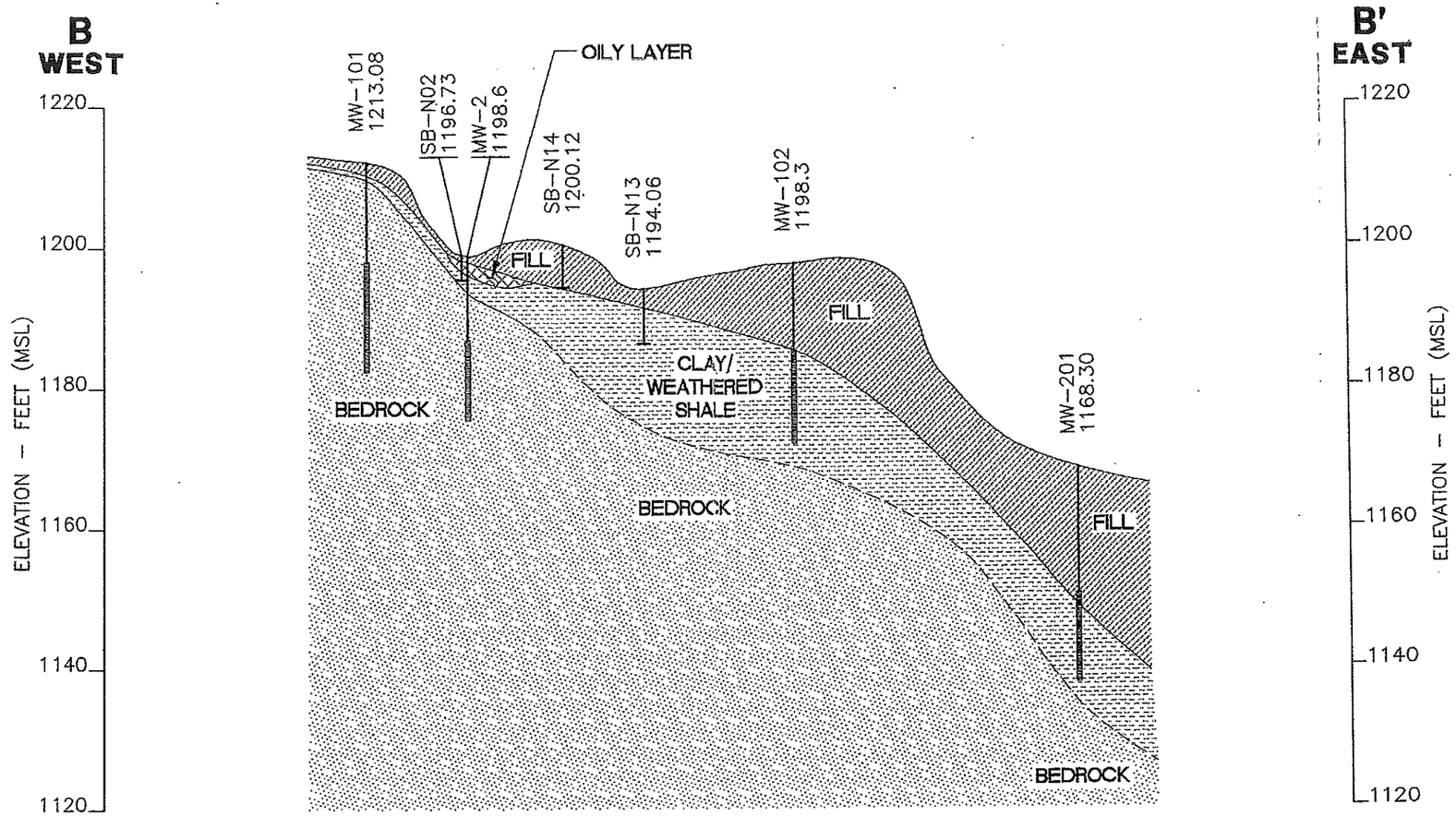

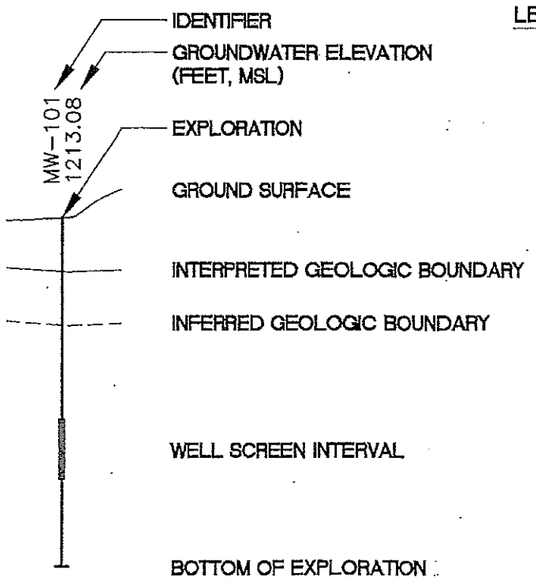

LEGEND:

NATURAL SOIL
NATURAL SOILS CONSIST OF GRAY SILT AND SAND

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

BLACK OILY FILL
BLACK OILY FILL CONSISTS OF COAL AND RED-DOG ROCK FRAGMENTS AND SOME SOIL STAINED WITH BLACK OILY MATERIAL.

CLAY/WEATHERED SHALE
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY BROWN TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP EXHIBITING HORIZONTAL LAYERING WHERE DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4–1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
4. BORINGS OFFSET FROM LINE OF CROSS SECTIONS ARE SHOWN ON FIGURE 5–2.
5. INFERRED BEDROCK SURFACE BASED ON BEDROCK SURFACE MAP, FIGURE 5–6.

SCALE IN FEET
0 100 200

Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 4–3
INTERPRETIVE GEOLOGIC CROSS SECTION B–B'
CE–CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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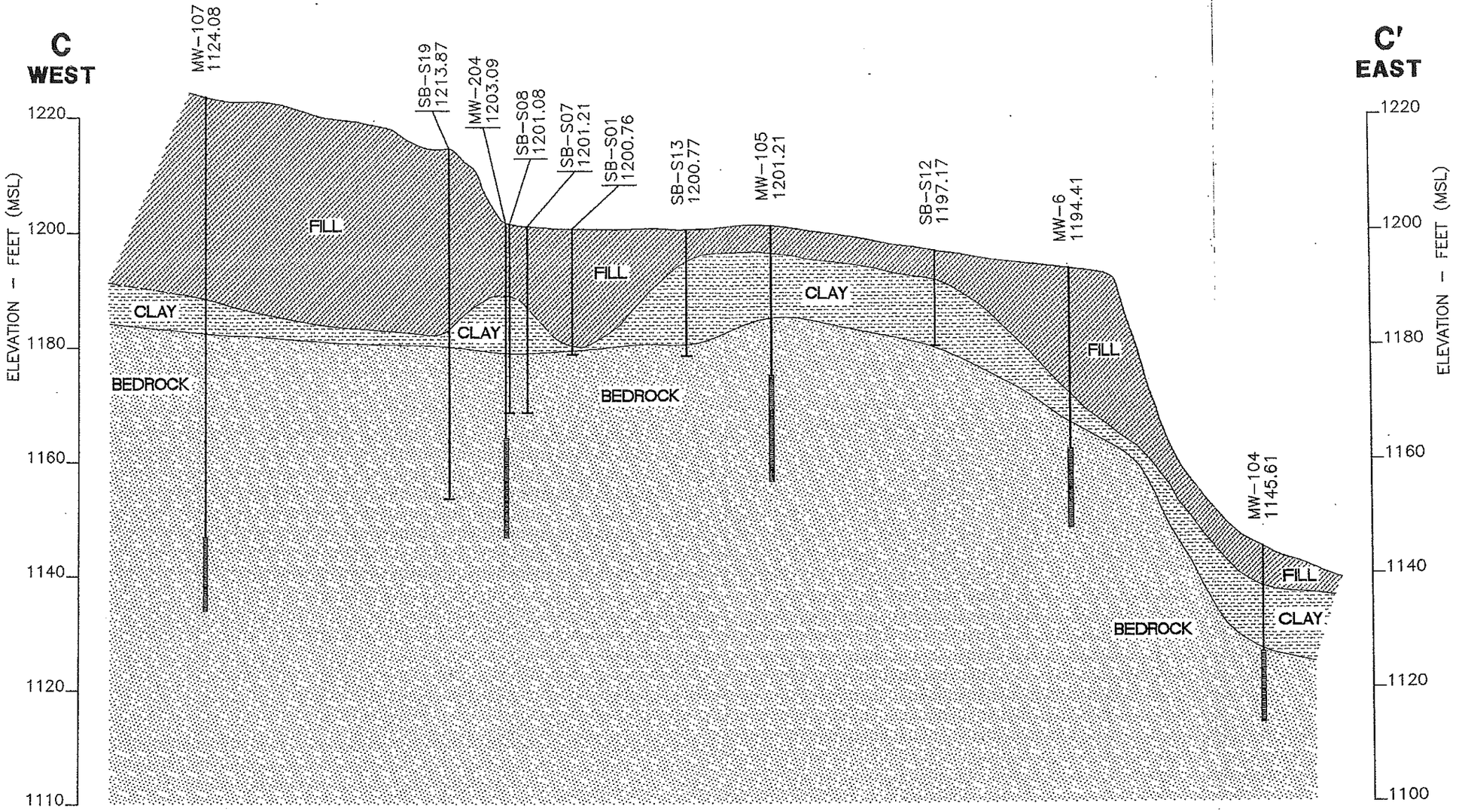
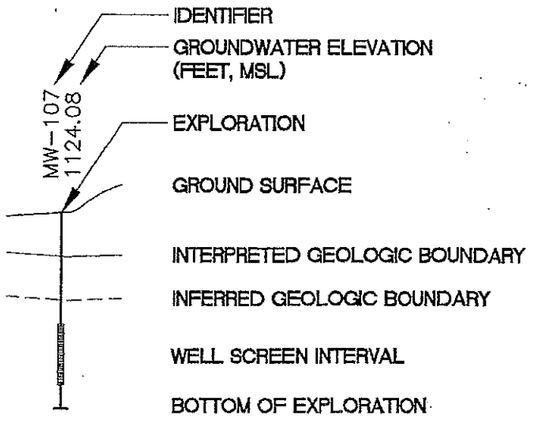


LEGEND:



FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

CLAY/WEATHERED SHALE
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP EXHIBITING HORIZONTAL LAYERING WHERE DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991, AND AUGUST 1994.

SCALE IN FEET
0 100 200
Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 4-4
INTERPRETIVE GEOLOGIC CROSS SECTION C-C'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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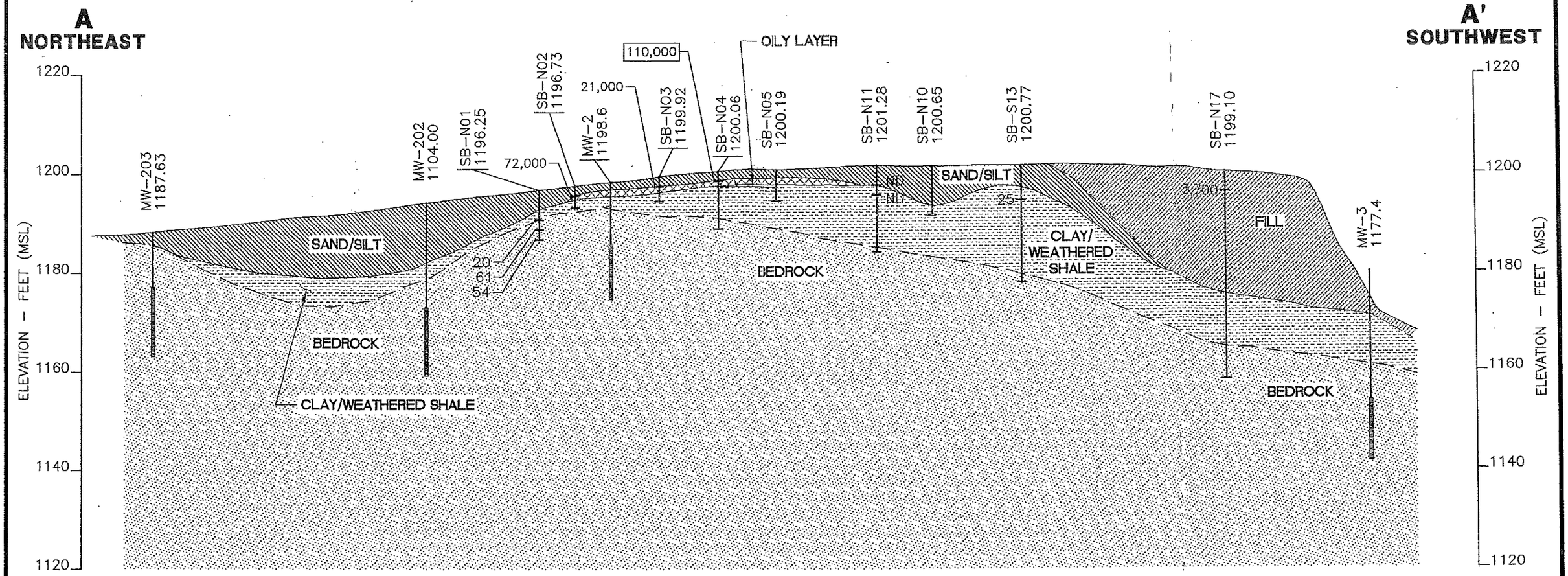

LEGEND:

- IDENTIFIER
- GROUNDWATER ELEVATION (FEET, MSL)
- EXPLORATION
- GROUND SURFACE
- INTERPRETED GEOLOGIC BOUNDARY
- 110,000 — OFF SITE LABORATORY ANALYSIS- TOTAL BENZENE, TOLUENE, O/M/P XYLENE, AND STYRENE (BTEXS). CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
- 21,000 — FIELD LABORATORY EXTENDED RUN ANALYSIS- TOTAL BTEXS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
- INFERRED GEOLOGIC BOUNDARY
- WELL SCREEN INTERVAL
- BOTTOM OF EXPLORATION

MW-203 1187.63

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

SAND/SILT
NATURAL SOILS CONSIST OF SILT AND SAND

BLACK OILY FILL
BLACK OILY FILL CONSISTS OF COAL AND RED-DOG ROCK FRAGMENTS AND SOME SOIL STAINED WITH BLACK OILY MATERIAL.

CLAY/(WEATHERED SHALE)
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY BROWN TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP BUT ARBITRARY HORIZONTAL LAYERING WHEN DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
4. "ND" INDICATES NOT DETECTED

SCALE IN FEET
0 100 200

Scale: Vertical 1"=20'
Horizontal 1"=100'

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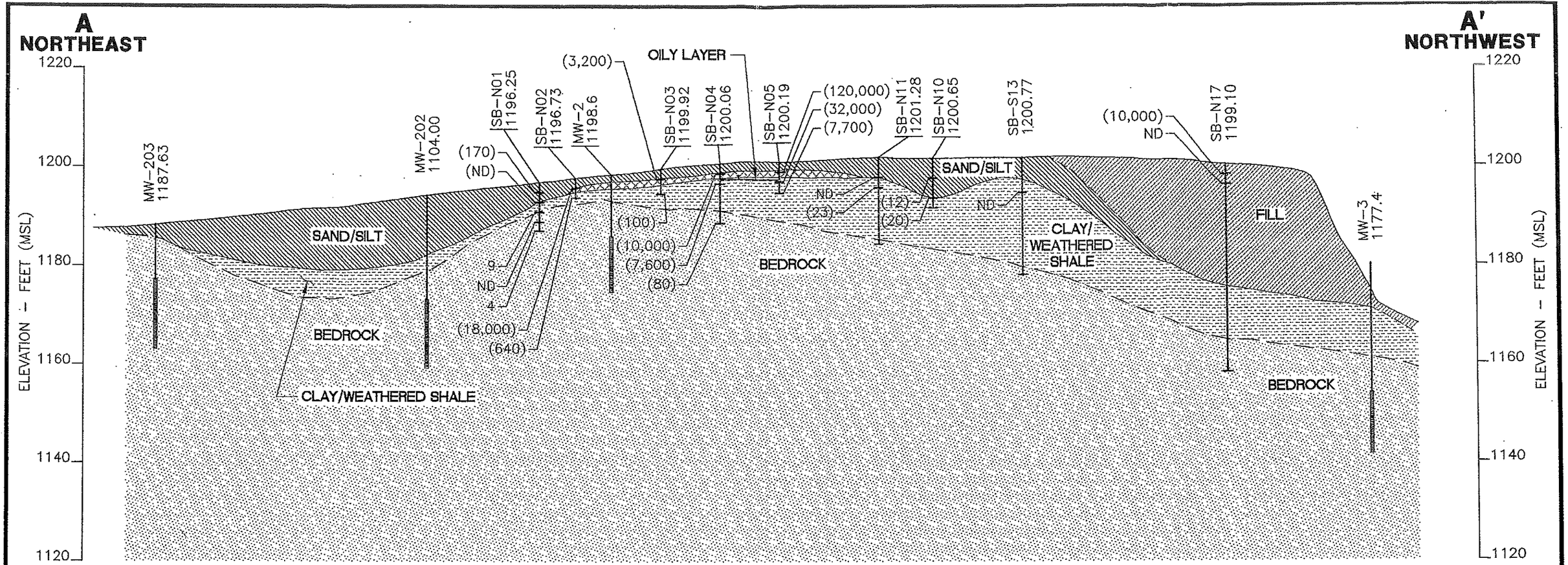
FIGURE 5-2
TOTAL BTEXS CONCENTRATIONS
ALONG INTERPRETIVE GEOLOGIC CROSS SECTION A-A'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.



IDENTIFIER
GROUNDWATER ELEVATION (FEET, MSL)
MW-203 1187.63
EXPLORATION
GROUND SURFACE
INTERPRETED GEOLOGIC BOUNDARY
1,000 OFF SITE LABORATORY ANALYSIS- TOTAL CHLORINATED SOLVENTS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
9 FIELD LABORATORY EXTENDED RUN ANALYSIS- TOTAL CHLORINATED SOLVENTS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
(170) FIELD LABORATORY ACCELERATED RUN ANALYSIS- TOTAL CHLORINATED SOLVENTS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
INFERRED GEOLOGIC BOUNDARY
WELL SCREEN INTERVAL
BOTTOM OF EXPLORATION

LEGEND:

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

SAND/SILT
NATURAL SOILS CONSIST OF SILT AND SAND

BLACK OILY FILL
BLACK OILY FILL CONSISTS OF COAL AND RED-DOG ROCK FRAGMENTS AND SOME SOIL STAINED WITH BLACK OILY MATERIAL.

CLAY/(WEATHERED SHALE)
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY BROWN TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP BUT ARBITRARY HORIZONTAL LAYERING WHEN DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
4. "ND" INDICATES NOT DETECTED
5. CONCENTRATIONS TAKEN FROM ACCELERATED RUN ANALYSIS (TABLE 6-2) ARE TOTALS WHICH INCLUDE INDIVIDUAL COMPOUNDS LISTED IN THE EXTENDED RUN ANALYSIS AND OTHER CHLORINATED SOLVENTS.

SCALE IN FEET
0 100 200
Scale: Vertical 1"=20'
Horizontal 1"=100'

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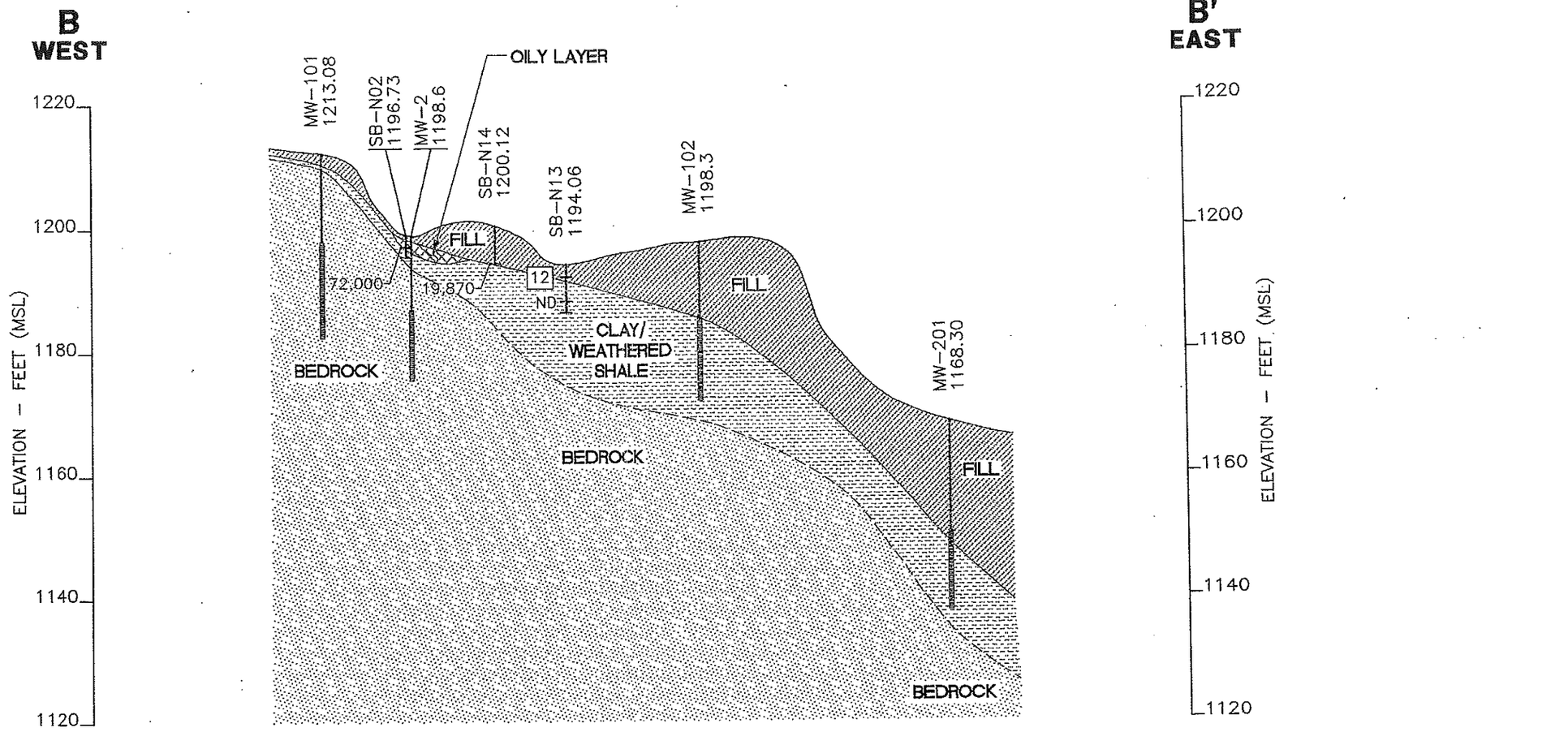
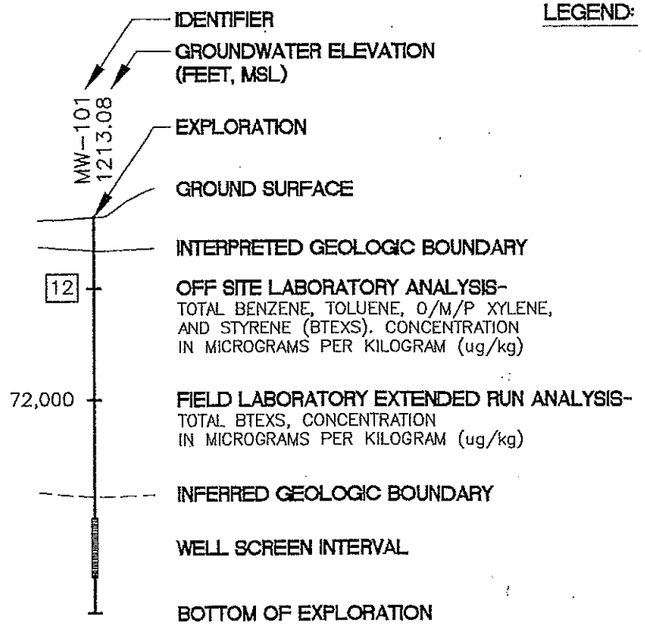
FIGURE 5-3
TOTAL CHLORINATED SOLVENT CONCENTRATIONS
ALONG INTERPRETIVE GEOLOGIC CROSS SECTION A-A'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.



LEGEND:



NATURAL SOIL
NATURAL SOILS CONSIST OF GRAY SILT AND SAND

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

BLACK OILY FILL
BLACK OILY FILL CONSISTS OF COAL AND RED-DOG ROCK FRAGMENTS AND SOME SOIL STAINED WITH BLACK OILY MATERIAL.

CLAY/WEATHERED SHALE
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY BROWN TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP EXHIBITING HORIZONTAL LAYERING WHERE DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
4. BORINGS OFFSET FROM LINE OF CROSS SECTIONS ARE SHOWN ON FIGURE 5-2.
5. INFERRED BEDROCK SURFACE BASED ON BEDROCK SURFACE MAP, FIGURE 5-6.
6. "ND" INDICATES NOT DETECTED

SCALE IN FEET
0 100 200
Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 5-4
TOTAL BTEXS CONCENTRATIONS
ALONG INTERPRETIVE GEOLOGIC CROSS SECTION B-B'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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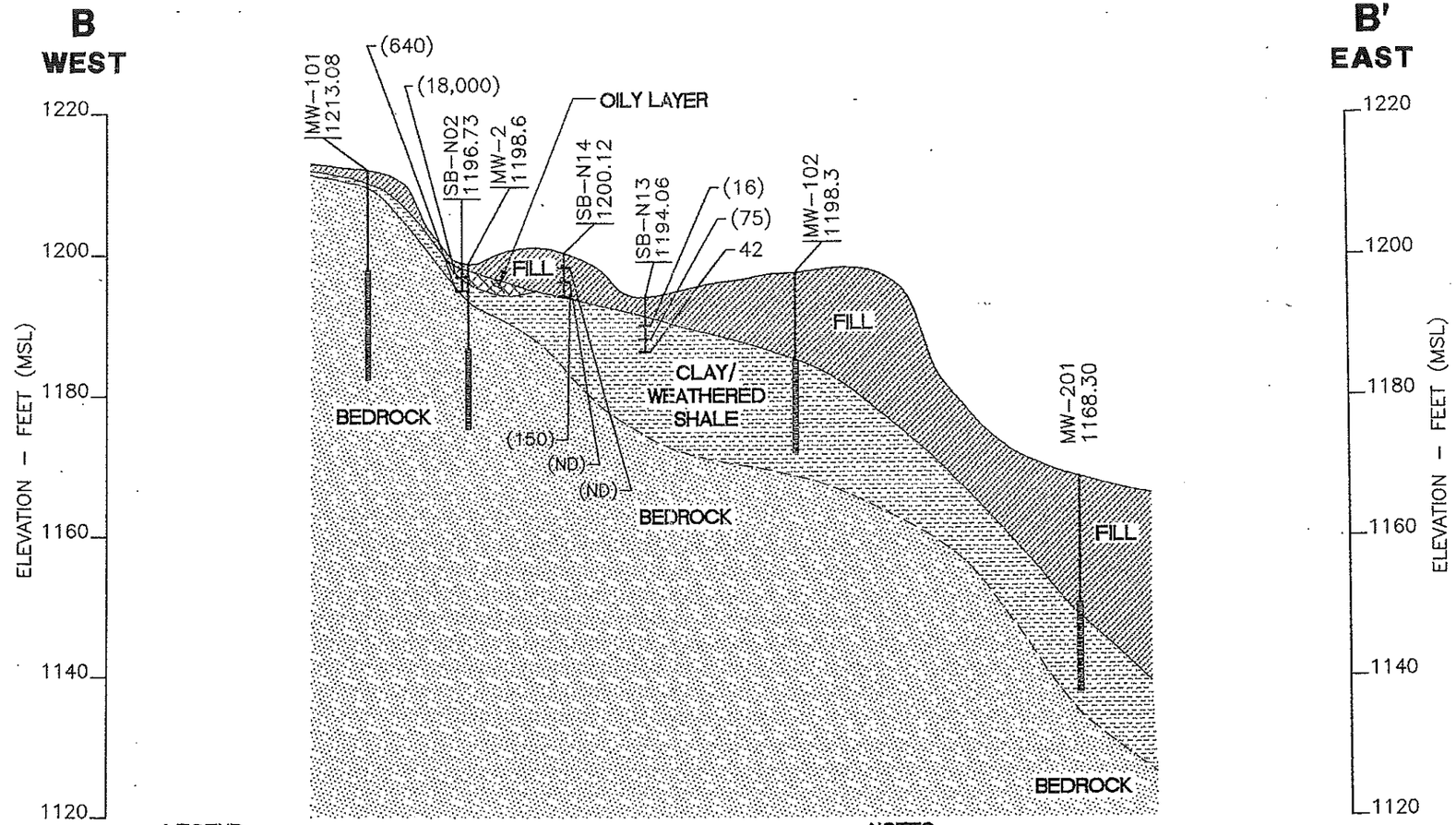

IDENTIFIER
GROUNDWATER ELEVATION (FEET, MSL)
MW-101
1213.08
EXPLORATION
GROUND SURFACE
INTERPRETED GEOLOGIC BOUNDARY
1,000 OFF SITE LABORATORY ANALYSIS- TOTAL CHLORINATED SOLVENTS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
9 FIELD LABORATORY EXTENDED RUN ANALYSIS- TOTAL CHLORINATED SOLVENTS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
(640) FIELD LABORATORY ACCELERATED RUN ANALYSIS- TOTAL CHLORINATED SOLVENTS, CONCENTRATION IN MICROGRAMS PER KILOGRAM (ug/kg)
INFERRED GEOLOGIC BOUNDARY
WELL SCREEN INTERVAL
BOTTOM OF EXPLORATION

LEGEND:

NATURAL SOIL
NATURAL SOILS CONSIST OF GRAY SILT AND SAND

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

BLACK OILY FILL
BLACK OILY FILL CONSISTS OF COAL AND RED-DOG ROCK FRAGMENTS AND SOME SOIL STAINED WITH BLACK OILY MATERIAL.

CLAY/WEATHERED SHALE
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY BROWN TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP EXHIBITING HORIZONTAL LAYERING WHERE DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
4. BORINGS OFFSET FROM LINE OF CROSS SECTIONS ARE SHOWN ON FIGURE 5-2.
5. INFERRED BEDROCK SURFACE BASED ON BEDROCK SURFACE MAP, FIGURE 5-6.
6. "ND" INDICATES NOT DETECTED
7. CONCENTRATIONS TAKEN FROM ACCELERATED RUN ANALYSIS (TABLE 6-2) ARE TOTALS WHICH INCLUDE INDIVIDUAL COMPOUNDS LISTED IN THE EXTENDED RUN ANALYSIS AND OTHER CHLORINATED SOLVENTS.

SCALE IN FEET
0 100 200
Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 5-5
TOTAL CHLORINATED SOLVENT CONCENTRATIONS
ALONG INTERPRETIVE GEOLOGIC CROSS SECTION B-B'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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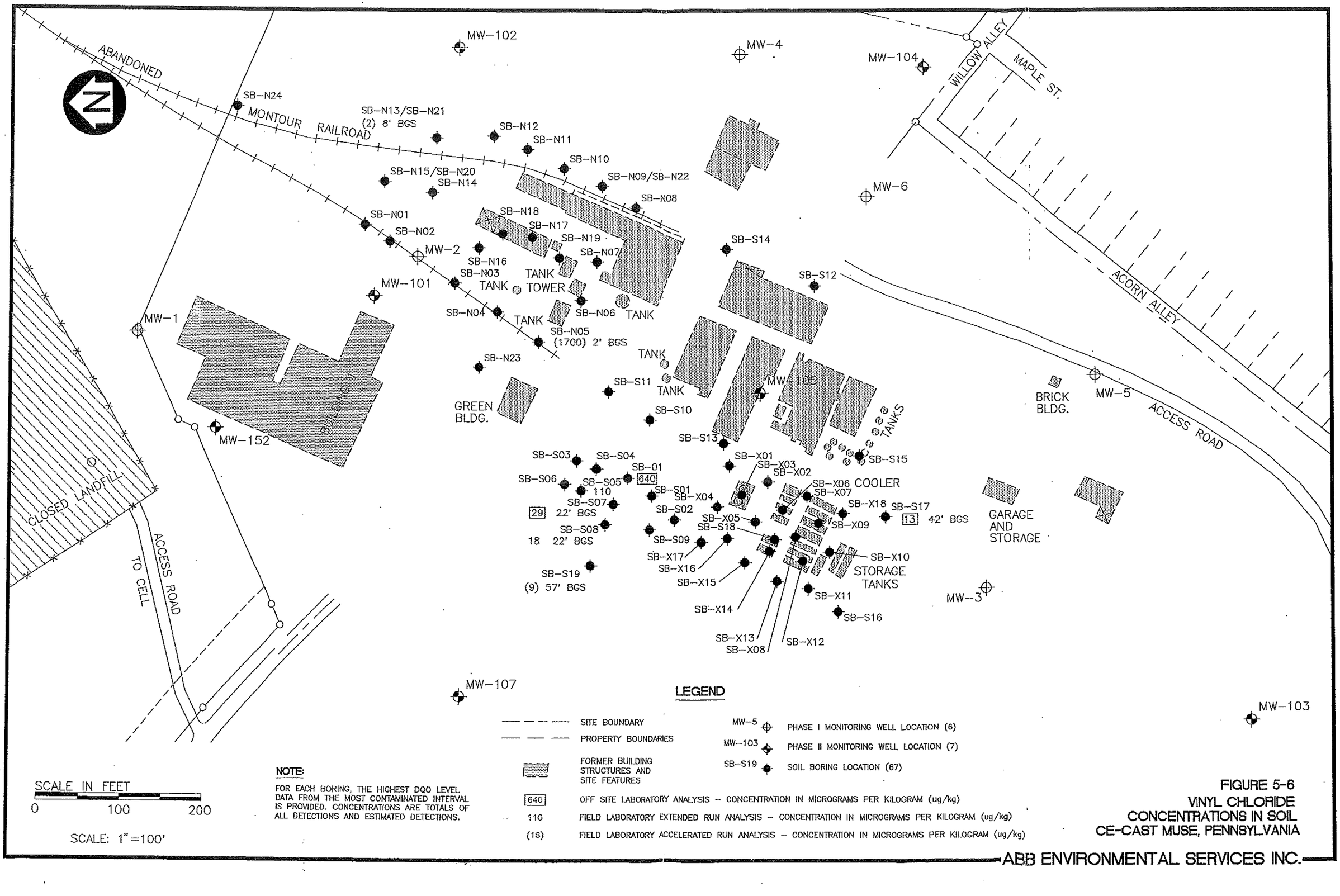

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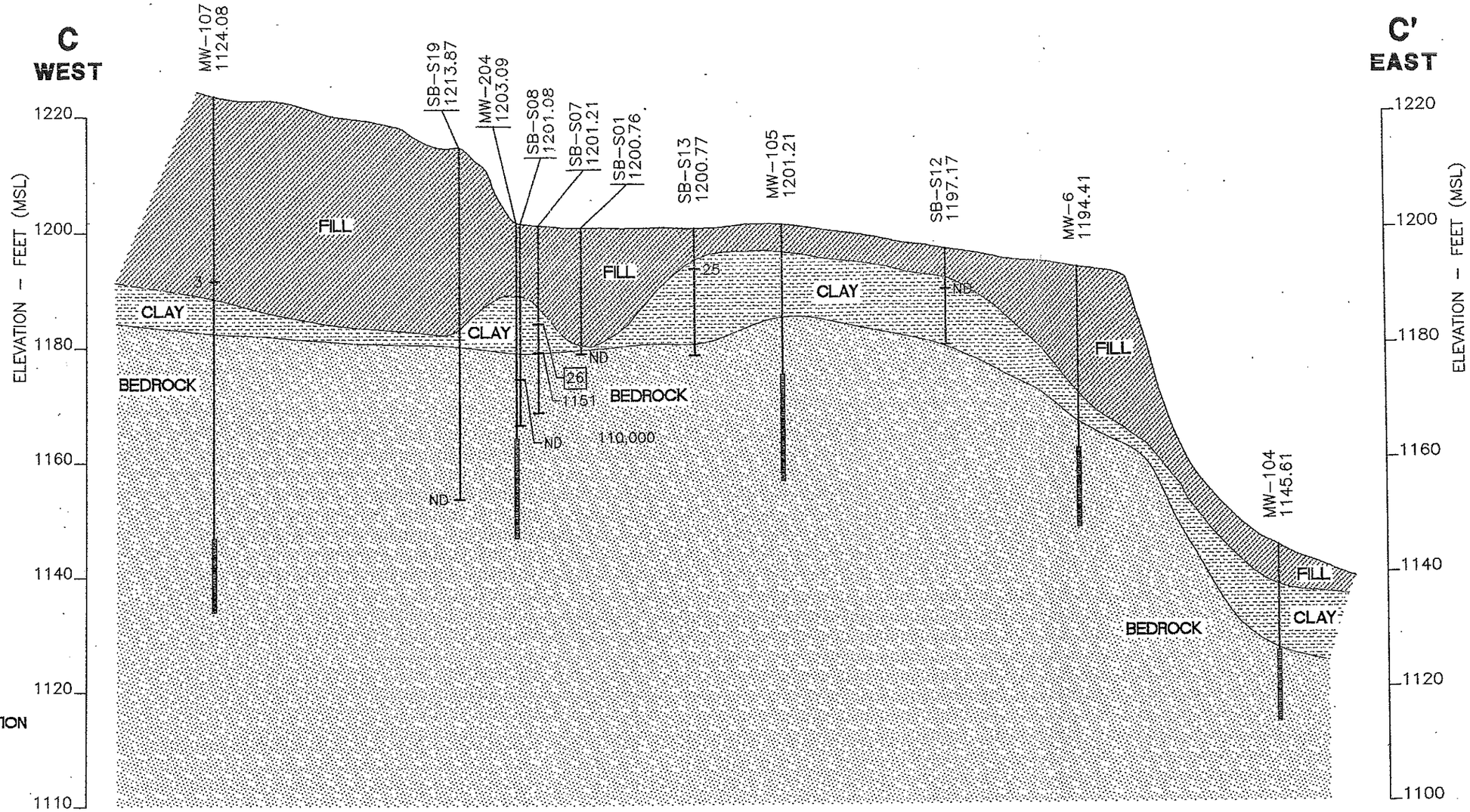
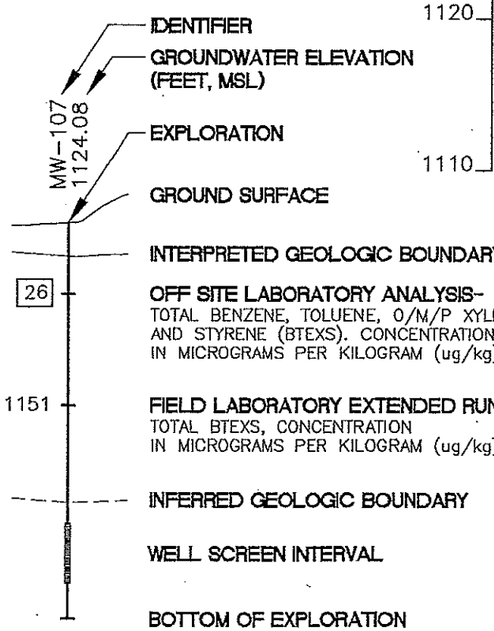
FIGURE 5-6
VINYL CHLORIDE
CONCENTRATIONS IN SOIL
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.





LEGEND:

FILL
FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

CLAY/WEATHERED SHALE
CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP EXHIBITING HORIZONTAL LAYERING WHERE DRY.

BEDROCK
CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991, AND AUGUST 1994.
4. "ND" INDICATES NOT DETECTED

SCALE IN FEET
0 100 200
Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 5-7
TOTAL BTEXS CONCENTRATIONS ALONG INTERPRETIVE GEOLOGIC CROSS SECTION C-C'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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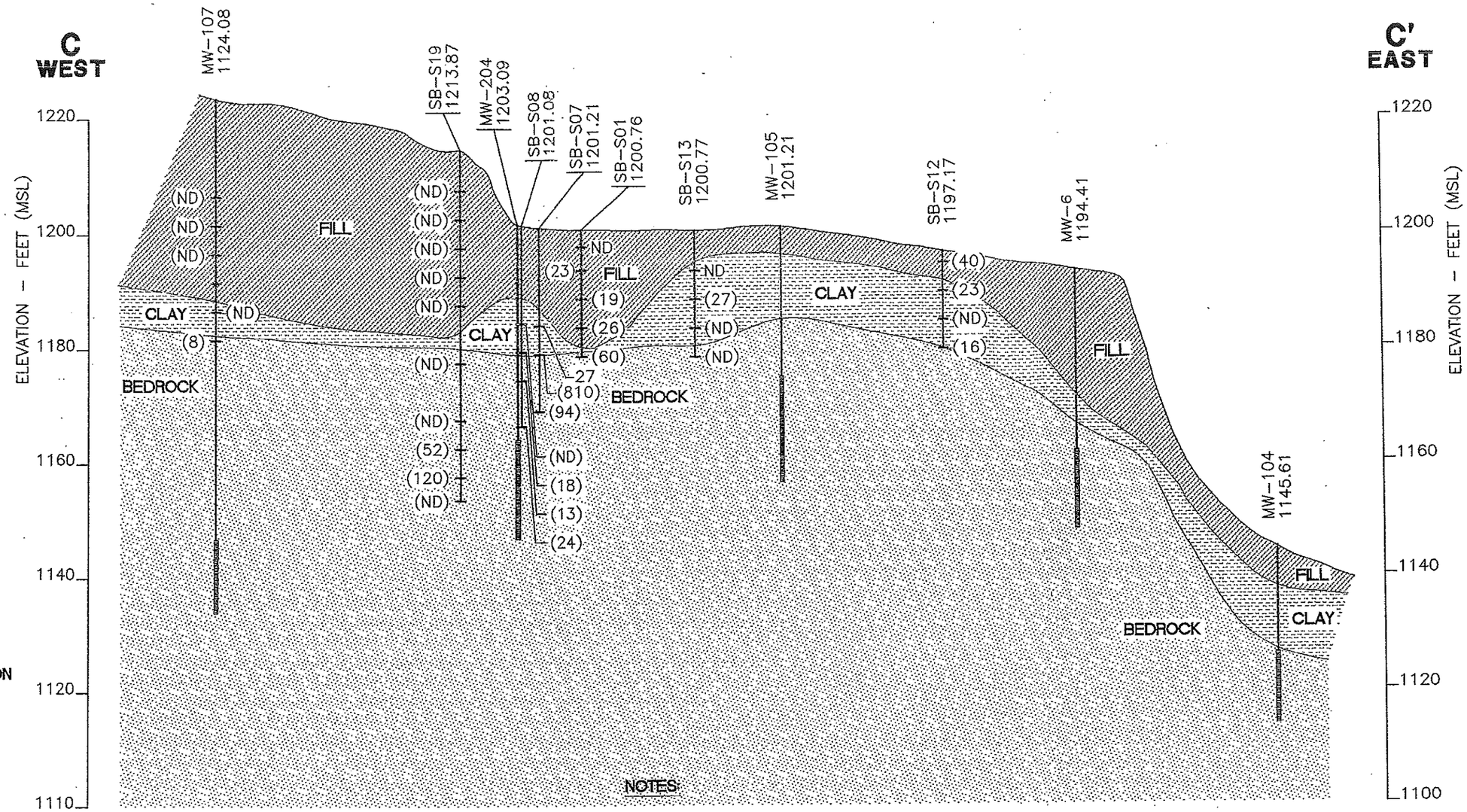

IDENTIFIER

GROUNDWATER ELEVATION (FEET, MSL)

MW-107
1124.08

EXPLORATION

GROUND SURFACE

INTERPRETED GEOLOGIC BOUNDARY

1,000 — OFF SITE LABORATORY ANALYSIS-
TOTAL CHLORINATED SOLVENTS,
CONCENTRATION IN
MICROGRAMS PER KILOGRAM (ug/kg)

32 — FIELD LABORATORY EXTENDED RUN ANALYSIS-
TOTAL CHLORINATED SOLVENTS,
CONCENTRATION IN
MICROGRAMS PER KILOGRAM (ug/kg)

(120) — FIELD LABORATORY ACCELERATED RUN ANALYSIS-
TOTAL CHLORINATED SOLVENTS,
CONCENTRATION IN
MICROGRAMS PER KILOGRAM (ug/kg)

INFERRED GEOLOGIC BOUNDARY

WELL SCREEN INTERVAL

BOTTOM OF EXPLORATION

LEGEND:

FILL

FILL CONSISTS OF COAL AND REDDOG ROCK FRAGMENTS AND SOME SOIL.

CLAY/WEATHERED SHALE

CONSISTS OF PLASTIC, DENSE TO LOOSE, GRAY TO YELLOW, SILTY CLAY, MASSIVE WHEN DAMP EXHIBITING HORIZONTAL LAYERING WHERE DRY.

BEDROCK

CONSISTS OF PREDOMINANTLY SHALE INTERBEDDED WITH LIMESTONE AND SANDSTONE.

NOTES:

1. SEE FIGURE 4-1 FOR CROSS SECTION ORIENTATION.
2. THIS FIGURE IS AN INTERPRETATION OF AVAILABLE DATA. ACTUAL CONDITIONS BETWEEN EXPLORATIONS MAY VARY FROM THOSE SHOWN.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING, JULY 1991, AND AUGUST 1994.
4. "ND" INDICATES NOT DETECTED
5. CONCENTRATIONS TAKEN FROM ACCELERATED RUN ANALYSIS (TABLE 6-2) ARE TOTALS WHICH INCLUDE INDIVIDUAL COMPOUNDS LISTED IN THE EXTENDED RUN ANALYSIS AND OTHER CHLORINATED SOLVENTS.

SCALE IN FEET
0 100 200

Scale: Vertical 1"=20'
Horizontal 1"=100'

FIGURE 5-8
TOTAL CHLORINATED SOLVENT CONCENTRATIONS
ALONG INTEPRETIVE GEOLOGIC CROSS SECTION C-C'
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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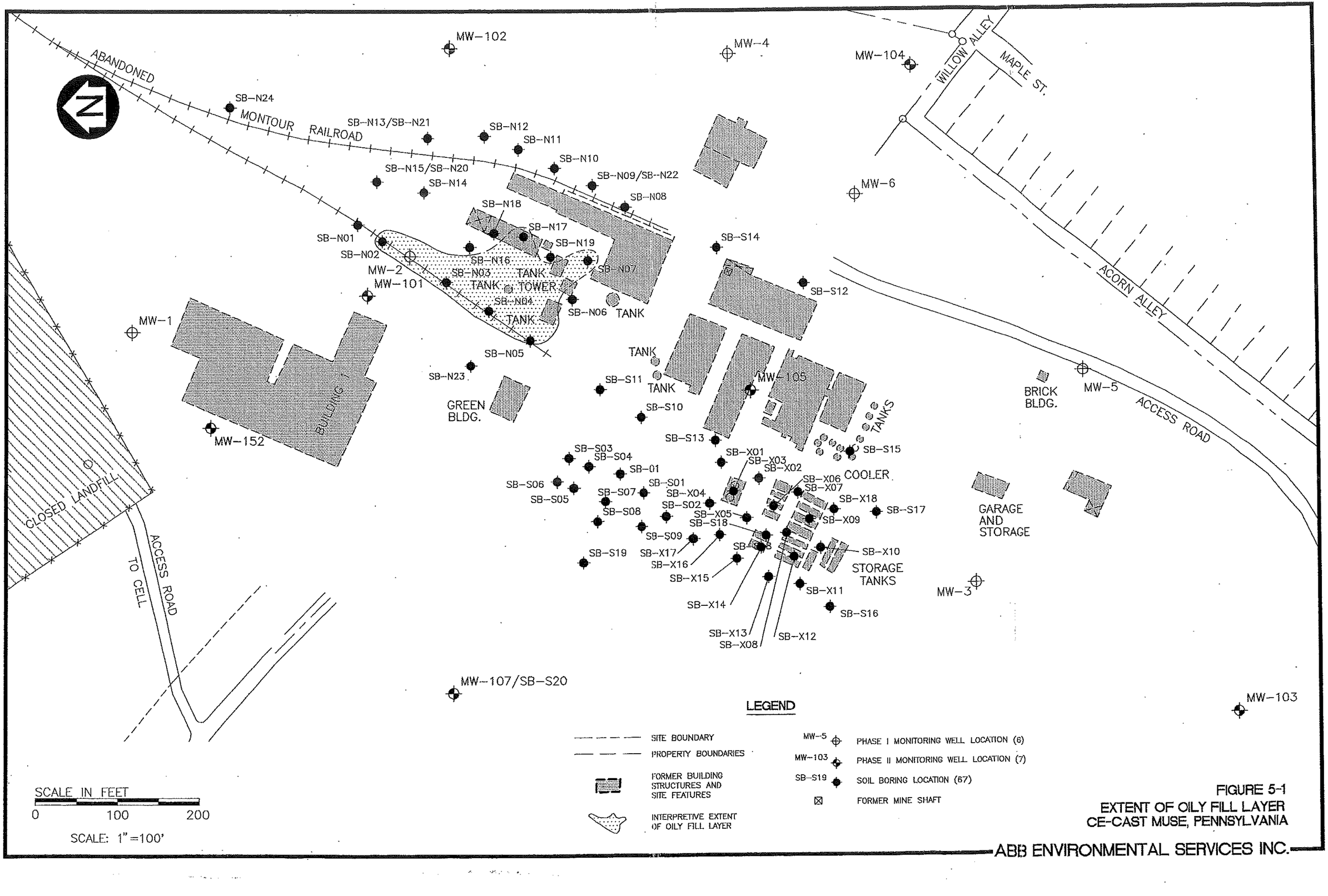

FIGURE 5-1
EXTENT OF OILY FILL LAYER
CE-CAST MUSE, PENNSYLVANIA

ABB ENVIRONMENTAL SERVICES INC.

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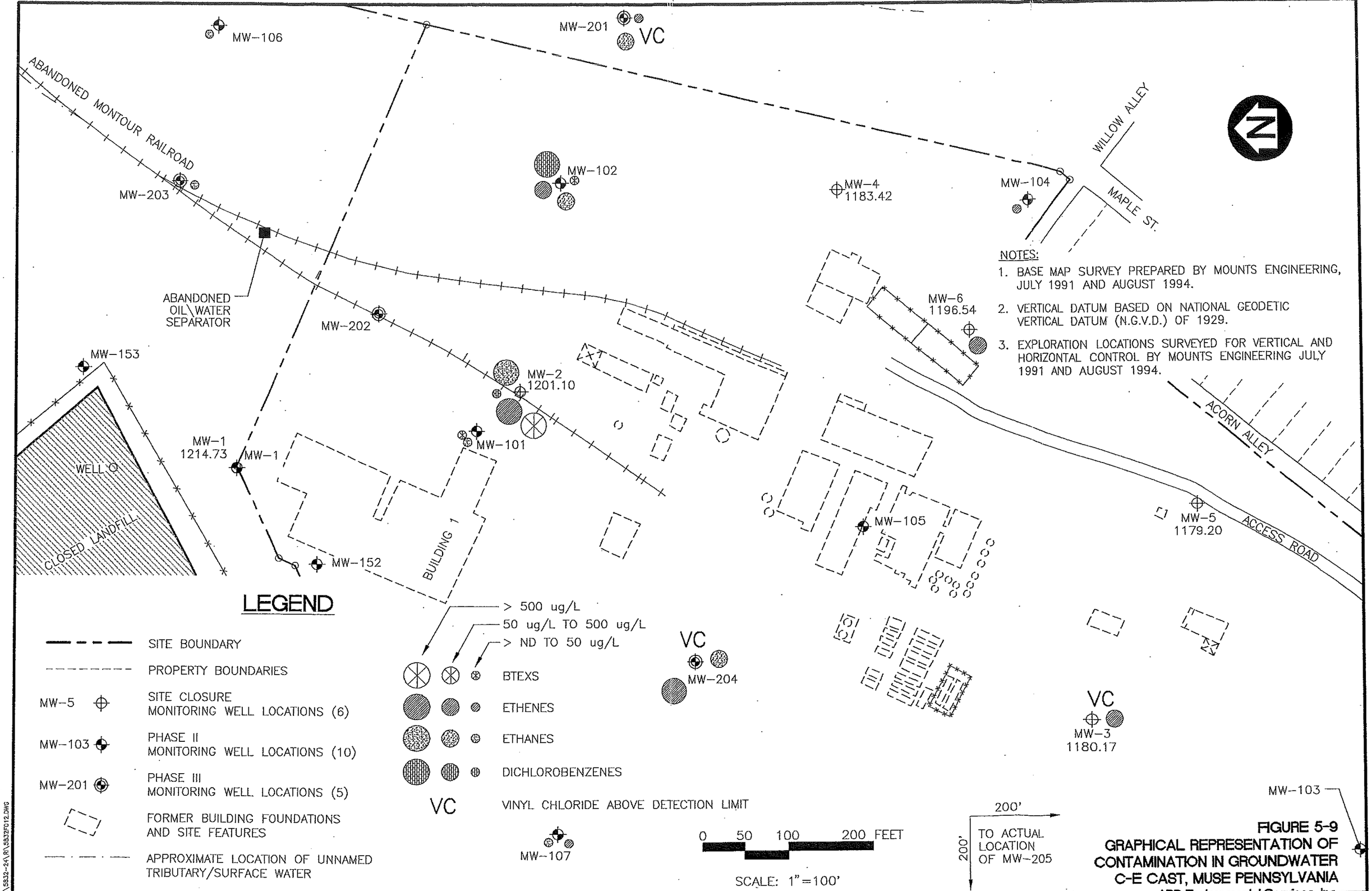

NOTES:

1. BASE MAP SURVEY PREPARED BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
2. VERTICAL DATUM BASED ON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING JULY 1991 AND AUGUST 1994.

LEGEND

- SITE BOUNDARY
- PROPERTY BOUNDARIES
- MW-5 — SITE CLOSURE MONITORING WELL LOCATIONS (6)
- MW-103 — PHASE II MONITORING WELL LOCATIONS (10)
- MW-201 — PHASE III MONITORING WELL LOCATIONS (5)
- FORMER BUILDING FOUNDATIONS AND SITE FEATURES
- APPROXIMATE LOCATION OF UNNAMED TRIBUTARY/SURFACE WATER

> 500 ug/L
50 ug/L TO 500 ug/L
> ND TO 50 ug/L

- BTEXS
- ETHENES
- ETHANES
- DICHLOROBENZENES
- VC — VINYL CHLORIDE ABOVE DETECTION LIMIT

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FIGURE 5-9
GRAPHICAL REPRESENTATION OF CONTAMINATION IN GROUNDWATER
C-E CAST, MUSE PENNSYLVANIA
ABB Environmental Services, Inc.

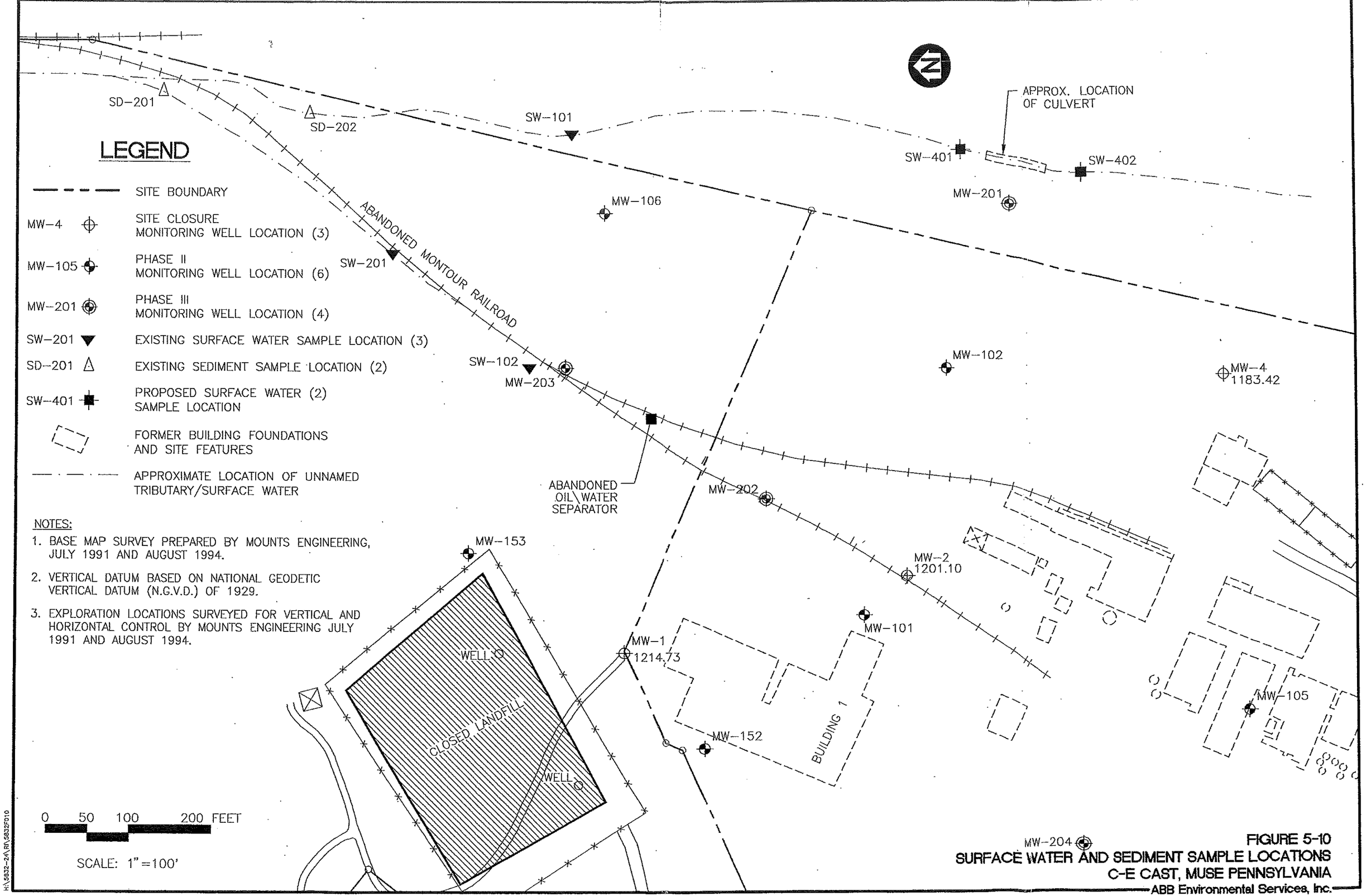

FIGURE 5-10
SURFACE WATER AND SEDIMENT SAMPLE LOCATIONS
C-E CAST, MUSE PENNSYLVANIA
ABB Environmental Services, Inc.

NOTES FOR AREA 1

1. THE WESTERN EDGE OF THE IMPACTED AREA IS HALFWAY BETWEEN MW-2 AND MW-101.
2. THE EASTERN EDGE OF THE IMPACTED GROUNDWATER AREA IS THE PROPERTY LINE.
3. THE NORTHERN EDGE OF THE IMPACTED AREA IS HALFWAY BETWEEN MW-106 AND A TRANSECT THROUGH MW-102 AND MW-2.
4. THE SOUTHERN EDGE OF THE IMPACTED AREA IS HALFWAY BETWEEN MW-104 AND A TRANSECT THROUGH MW-102 AND MW-2.

LEGEND

- SITE BOUNDARY
- MW-5 — SITE CLOSURE MONITORING WELL LOCATION (6)
- MW-103 — PHASE II MONITORING WELL LOCATION (10)
- MW-201 — PHASE III MONITORING WELL LOCATION (5)
- FORMER BUILDING FOUNDATIONS AND SITE FEATURES
- APPROXIMATE LOCATION OF UNNAMED TRIBUTARY/SURFACE WATER

0 50 100 200 FEET

SCALE: 1"=100'

MW-106
MW-201
MW-102
MW-203 (51')
MW-4
1183.42
MW-104
WILLOW ALLEY
MAPLE ST.
ABANDONED OIL\WATER SEPARATOR
MW-202
MW-153 (200')
MW-6
1196.54
MW-2
1201.10
AREA 1
MW-101
ACORN ALLEY
MW-1
1214.73
BUILDING 1
MW-152
AREA 2
MW-105
MW-5
1179.20
ACCESS ROAD
APPROX. AREAS OF IMPACTED GROUNDWATER
MW-204
MW-3
1180.17
(150')
MW-205
MW-103
MW-107

NOTES:

1. BASE MAP SURVEY PREPARED BY MOUNTS ENGINEERING, JULY 1991 AND AUGUST 1994.
2. VERTICAL DATUM BASED ON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929.
3. EXPLORATION LOCATIONS SURVEYED FOR VERTICAL AND HORIZONTAL CONTROL BY MOUNTS ENGINEERING JULY 1991 AND AUGUST 1994.

NOTES FOR AREA 2

1. THE LEADING EDGE OF IMPACTED GROUNDWATER IS HALFWAY BETWEEN MW-3 AND MW-103.
2. THE EASTERN EDGE OF THE IMPACTED AREA IS HALFWAY BETWEEN MW-5 AND THE TRANSECT THROUGH MW-3 AND MW-103.
3. THE WESTERN EDGE OF THE IMPACTED AREA IS HALFWAY BETWEEN MW-107 AND THE TRANSECT THROUGH MW-3 AND MW-103.
4. THE NORTHERN EDGE OF THE IMPACTED AREA IS ALONG THE TRANSECT FROM MW-107 TO MW-4.

FIGURE 5-11
INTERPRETED AREAS OF IMPACTED GROUNDWATER
C-E CAST, MUSE PENNSYLVANIA

ABB Environmental Services, Inc.

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