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RCRA FACILITY INVESTIGATION PHASE I REPORT

ENVIRITE CORPORATION THOMASTON, CONNECTICUT

DOCKET NO. I-90-1032
MARCH 1995

VOLUME III OF X
FIGURES

PREPARED FOR:
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RDMS DocID 103248

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NOTES:

1) PLEASE REFER TO TABLE 3-1 FOR WHEN WATER LEVEL READINGS WERE MADE IN THE MONITORING WELLS. THIS DATA HAS BEEN REVIEWED AND INTERPRETATIONS MADE IN THE TEXT OF THIS REPORT. FLUCTUATIONS IN GROUNDWATER LEVEL OCCUR DUE TO VARIATIONS IN RAINFALL AND OTHER FACTORS.

2) CONTOURS ARE EXTRAPOLATED FROM WELL POINT DATA USING PROFESSIONAL JUDGEMENT.

3) GROUNDWATER ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM.

4) GROUND SURFACE ELEVATIONS ARE BASED ON SURVEY BY DICARA LAND SURVEYING SERVICES OF WINSTEAD, CT. GROUND SURFACE ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM.

LEGEND:

MW-41B 323.68 — MONITORING WELL LOCATION AND IDENTIFICATION INDICATES GROUNDWATER ELEVATION (FEET)

323 — GROUNDWATER CONTOUR

REV#	DESCRIPTION	BY	DATE

0' 50' 100' 200' 300' 400'
1" = 100'

GZA GeoEnvironmental, Inc.

DESIGNED BY: LER
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1" = 100'
DATE: MARCH 15, 1995

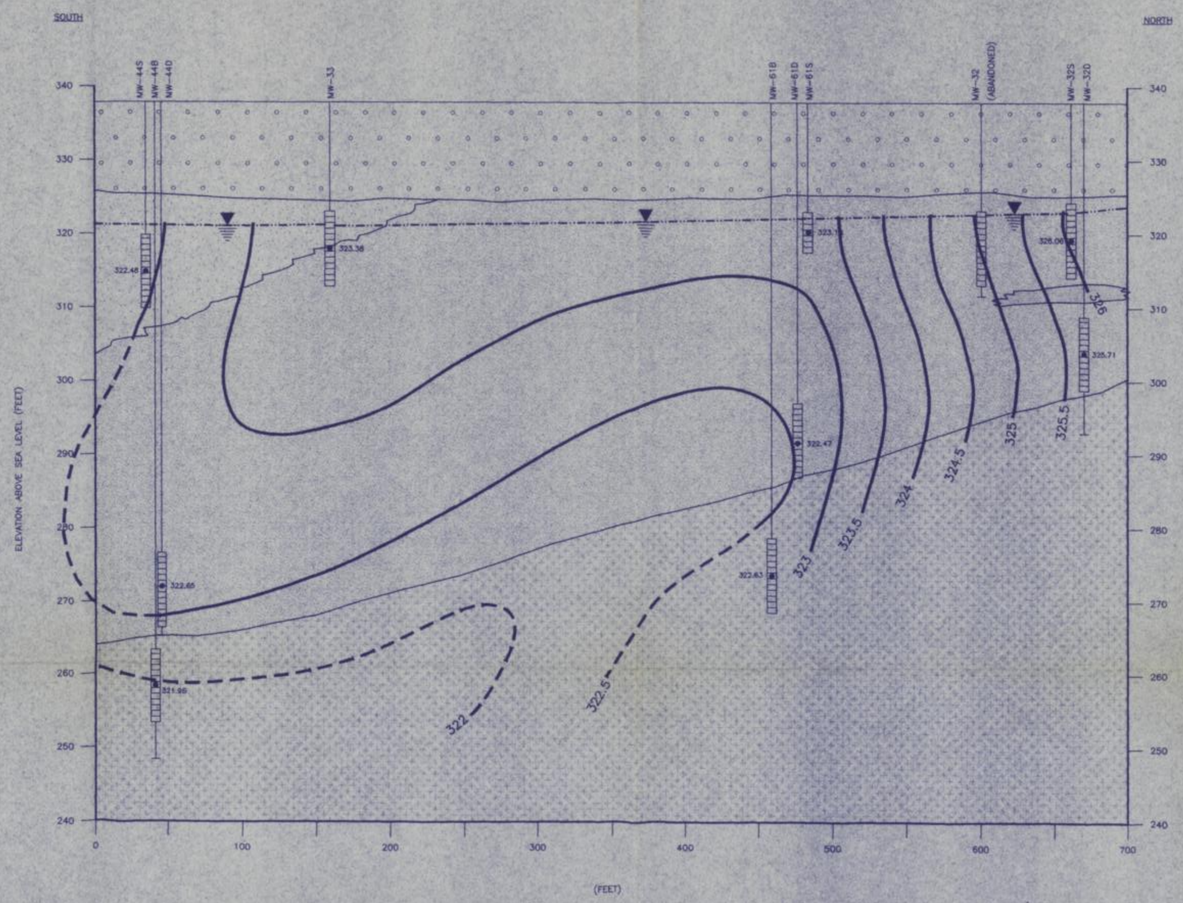
ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

HISTORIC AVERAGE SHALLOW BEDROCK HEAD CONTOURS

PROJECT NO. 41302.4

FIGURE NO. 3-12

© 1995 GZA GeoEnvironmental, Inc. CADD FILE No.:41302.4\3-12 XREF FILE No.:BASE, BDR-100



SECTION A–A'

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

LEGEND:

MW-325 — MONITORING WELL

ELEVATION OF WATER TABLE (APPROXIMATE)

FILL

DARK BROWN TO REDDISH ORANGE BROWN BOULDER FILL WITH FINE TO COARSE SAND AND GRAVEL

BROWN, FINE SAND

BROWN, FINE TO MEDIUM SAND

BROWN, FINE TO COARSE SAND CONTAINING FINE TO COARSE GRAVEL

BEDROCK

LIGHT GRAY – DARK GRAY, MEDIUM – DARK GRAYISH GREEN, FINE TO COARSE GRAINED AMPHIBOLITIC AND GRANITIC GNEISS

NOTES:

1) GEOLOGY BASED ON GEOLOGIC LOGS, CONNECTICUT GEOL. & NATL. HIST. SURVEY OPEN FILE AND ON FIELD OBSERVATIONS.

2) INFERRED GEOLOGIC CONTACTS SHOWN AS DASHES.

3) BASE MAP WAS DEVELOPED FROM PLAN PROVIDED BY ENVIRITE CORPORATION ENTITLED "GEOLOGIC CROSS SECTION A–A" DATED JUNE 1993. ORIGINAL SCALE 1" = 50' HORIZONTAL, 1" = 10' VERTICAL.

4) CONTOURS AND GEOLOGIC STRATA POSITIONS ARE EXTRAPOLATED FROMM WELL POINT DATA USING PROFESSIONAL JUDGEMENT.

5) GROUNDWATER ELEVATIONS ARE APPROXIMATIONS OF AVERAGE CONDITIONS.

REV#	DESCRIPTION	BY	DATE

–VERTICAL SCALE– 0' 5' 10' 20' 30' 40'
–HORIZONTAL SCALE– 0' 20' 40' 80' 120' 160'

GZA GeoEnvironmental, Inc.

DESIGNED BY: LER
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: AS SHOWN
DATE: MARCH 15, 1995

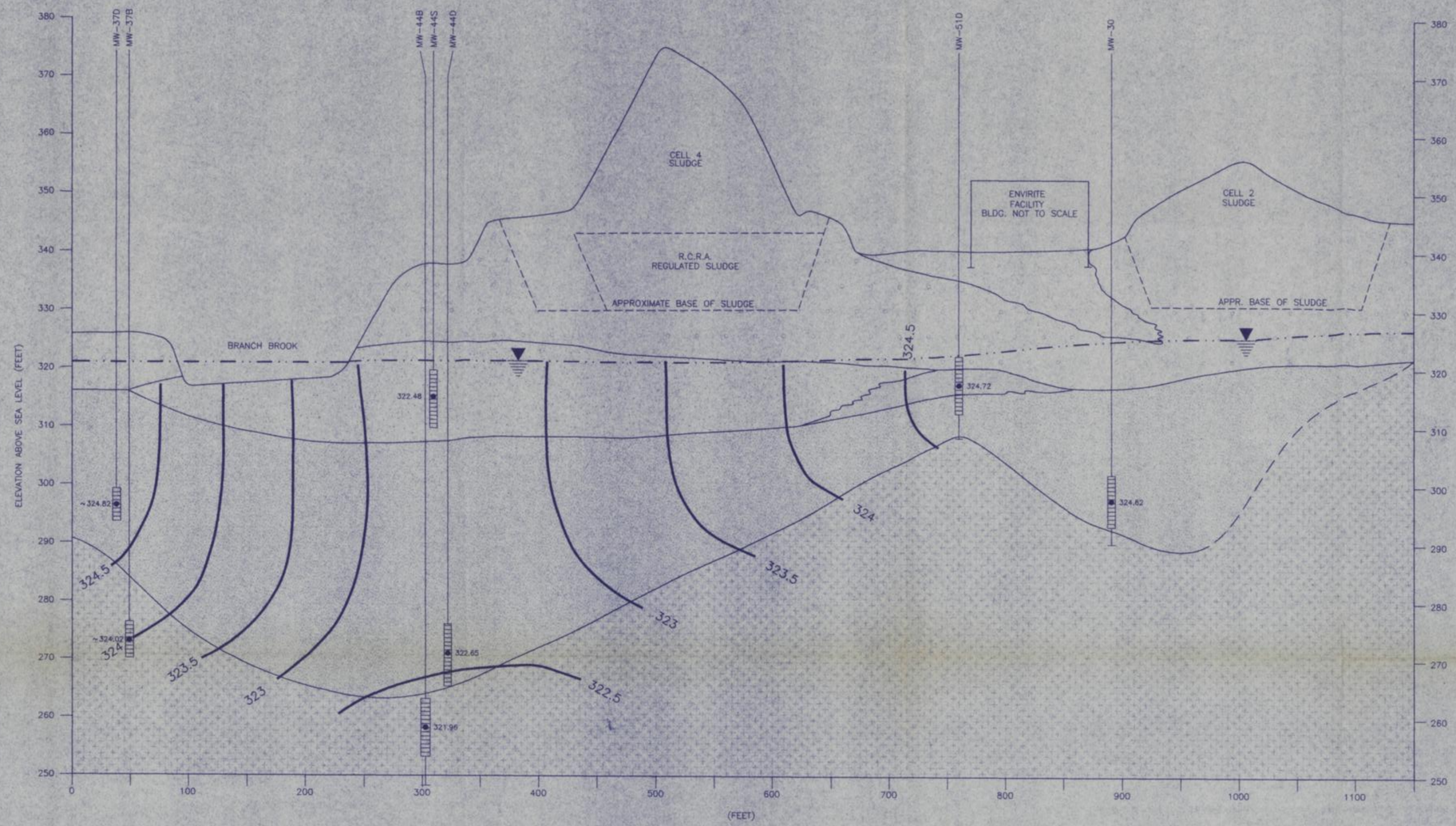
ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

TIME–AVERAGED PIEZOMETRIC HEAD CONTOUR PLAN SECTION A–A'

PROJECT NO. 41302.4

FIGURE NO. 3–13

© 1995 GZA GeoEnvironmental, Inc. CADD FILE No. 41302.4.3-13 XREF: 2-1



SECTION B–B'

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

LEGEND:

MW-44D — MONITORING WELL

ELEVATION OF WATER TABLE (APPROXIMATE)

FILL

DARK BROWN TO REDDISH ORANGE BROWN BOULDER FILL WITH FINE TO COARSE SAND AND GRAVEL

ALLUVIUM

BROWN, FINE SAND & SILT FILL

BROWN, FINE SAND

BROWN, FINE TO MEDIUM SAND

BROWN, FINE TO COARSE SAND CONTAINING FINE TO COARSE GRAVEL

BEDROCK

LIGHT GRAY – DARK GRAY, MEDIUM – DARK GRAYISH GREEN, FINE TO COARSE GRAINED AMPHIBOLITIC AND GRANITIC GNEISS

NOTES:

1) GEOLOGY BASED ON GEOLOGIC LOGS, CONNECTICUT GEOL. & NATL. HIST. SURVEY OPEN FILE AND ON FIELD OBSERVATIONS.

2) INFERRED GEOLOGIC CONTACTS SHOWN AS DASHES.

3) BASE MAP DEVELOPED FROM PLAN PROVIDED BY ENVIRITE CORPORATION ENTITLED "GEOLOGIC CROSS-SECTION B–B" DATED JUNE, 1993, ORIGINAL SCALE 1" = 50' HORIZ. 1" = 10' VERT.

4) THE LOCATIONS OF THE BORINGS WERE APPROXIMATELY DETERMINED BY SURVEY. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

5) CONTOURS AND GEOLOGIC STRATA POSITIONS ARE EXTRAPOLATED FROM WELL POINT DATA USING PROFESSIONAL JUDGEMENT.

REV#	DESCRIPTION	BY	DATE

–VERTICAL SCALE– 0' 5' 10' 20' 30' 40'
–HORIZONTAL SCALE– 0' 25' 50' 100' 150' 200'

GZA GeoEnvironmental, Inc.

DESIGNED BY: LER
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: AS SHOWN
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

TIME–AVERAGED PIEZOMETER HEAD CONTOUR PLAN SECTION B–B'

PROJECT NO. 41302.4

FIGURE NO. 3–14

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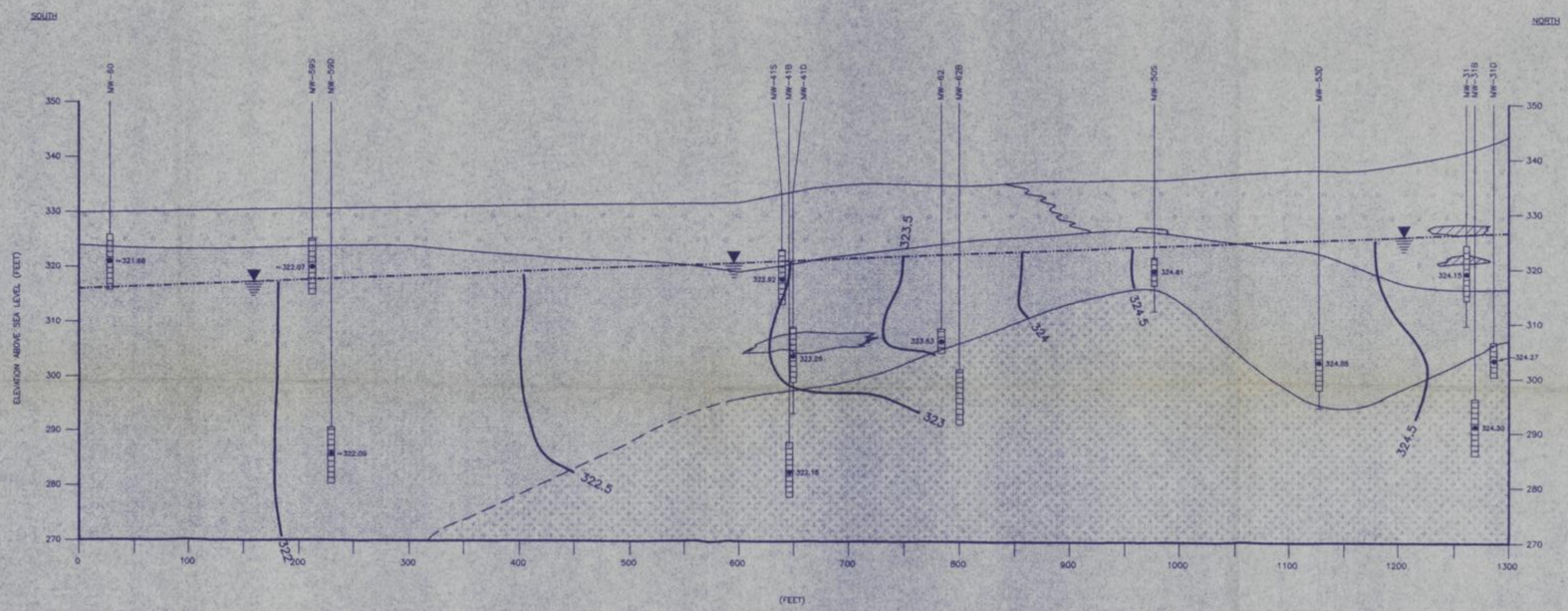
CADD FILE No. 41302.4\3-14 XREF 2-2



SECTION C–C'

SCALE: 1"=50' HORIZ.
1"=10' VERT.

LEGEND:

MW-31 — MONITORING WELL

ELEVATION OF WATER TABLE (APPROXIMATE)

FILL

DARK BROWN TO REDDISH ORANGE BROWN BOULDER FILL WITH FINE TO COARSE SAND AND GRAVEL

ALLUVIUM

BROWN, FINE SAND

BROWN, FINE TO MEDIUM SAND

BROWN, FINE TO COARSE SAND CONTAINING FINE TO COARSE GRAVEL

BEDROCK

LIGHT GRAY – DARK GRAY, MEDIUM – DARK GRAYISH GREEN, FINE TO COARSE GRAINED AMPHIBOLITIC AND GRANITIC GNEISS

WOOD DEBRIS
DRY PAINT
— EXTENT AND DEGREE UNDEFINED

NOTES:

1) GEOLOGY BASED ON GEOLOGIC LOGS, CONNECTICUT GEOL. & NATL. HIST. SURVEY OPEN FILE AND ON FIELD OBSERVATIONS.

2) INFERRED GEOLOGIC CONTACTS SHOWN AS DASHES.

3) BASE MAP WAS DEVELOPED FROM PLANS PROVIDED BY ENVIRITE CORPORATION ENTITLED "GEOLOGIC CROSS-SECTION C–C" DATED JUNE, 1993, ORIGINAL SCALE 1"=50' HORIZ., 1"=10' VERT.

4) THE LOCATION OF THE BORINGS WERE APPROXIMATELY DETERMINED BY SURVEY. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

5) CONTOURS AND GEOLOGIC STRATA ARE EXTRAPOLATED FROM WELL POINT DATA USING PROFESSIONAL JUDGEMENT.

NOTES:

1) GEOLOGY BASED ON GEOLOGIC LOGS, CONNECTICUT GEOL. & NATL. HIST. SURVEY OPEN FILE AND ON FIELD OBSERVATIONS.

2) INFERRED GEOLOGIC CONTACTS SHOWN AS DASHES.

3) BASE MAP WAS DEVELOPED FROM PLAN PROVIDED BY ENVIRITE CORPORATION ENTITLED "GEOLOGIC CROSS-SECTION C–C" DATED JUNE 1993. ORIGINAL SCALE 1"=50' HORIZ. 1"=10' VERT.

4) THE LOCATION OF THE BORINGS WERE APPROXIMATELY DETERMINED BY SURVEY. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

5) CONTOURS AND GEOLOGIC STRATA POSITIONS ARE EXTRAPOLATED FROM WELL POINT DATA USING PROFESSIONAL JUDGEMENT.

6) REFER TO FIGURE NUMBER 2 FOR ADDITIONAL NOTES AND LEGEND.

7) NA = NOT ANALYZED

REV#	DESCRIPTION	BY	DATE

–VERTICAL SCALE– 0' 5' 10' 20' 30' 40'
–HORIZONTAL SCALE– 0' 25' 50' 100' 150' 200'

GZA GeoEnvironmental, Inc.

DESIGNED BY: LER
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: AS SHOWN
DATE: MARCH 15, 1995

ENVIRITE RCRA
FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

TIME-AVERAGED PIEZOMETER HEAD CONTOUR PLAN SECTION C–C'

PROJECT NO. 41302.4

FIGURE NO. 3–15

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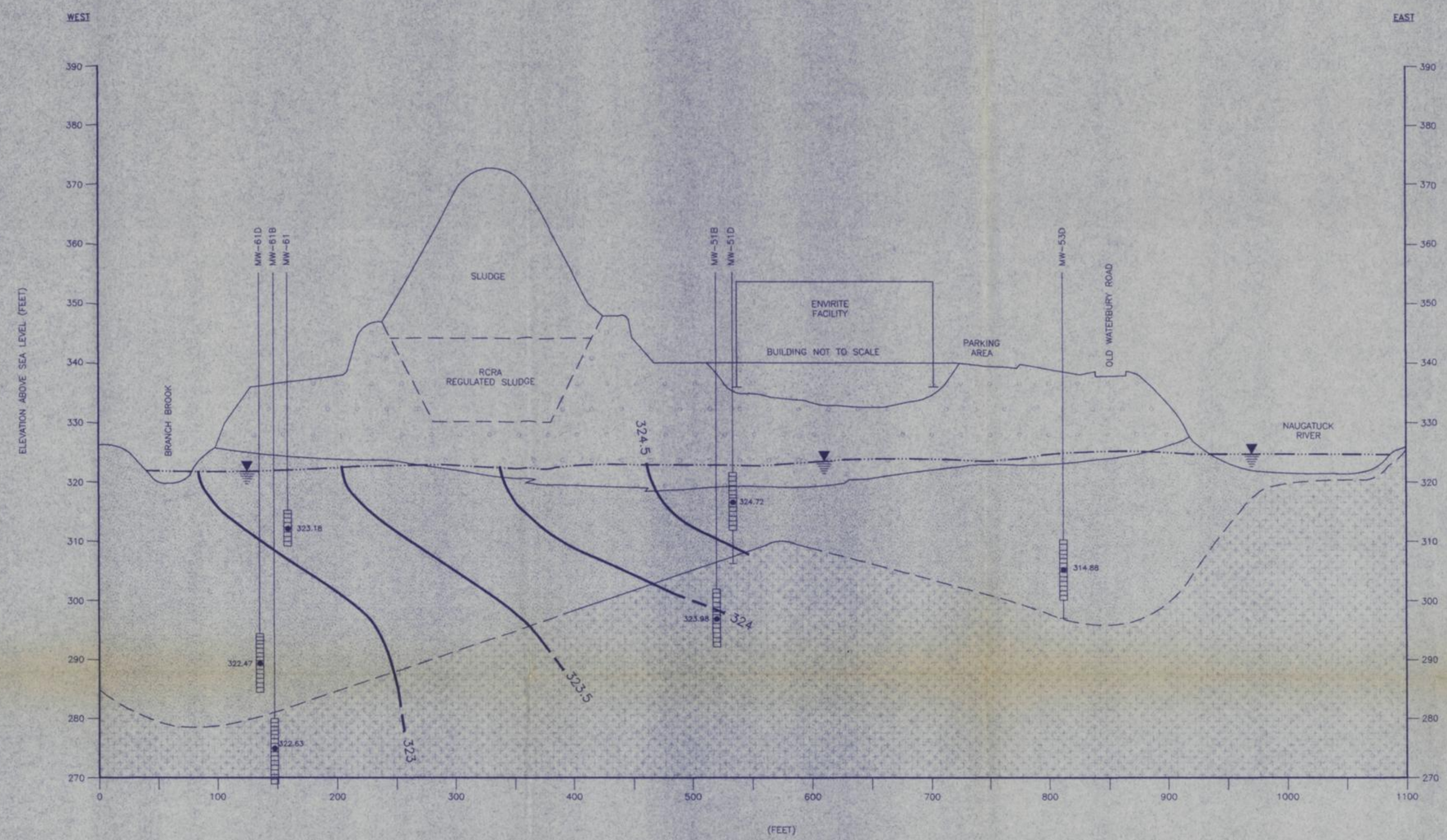
CADD FILE No. 41302-4,3-15. XREF 2-3



SECTION D–D'

SCALE: 1"=50' HORIZ.
1"=10' VERT.

LEGEND:

MW-51D — MONITORING WELL

(328.06) — TIME AVERAGED PIEZOMETER HEAD (NGVD)

ELEVATION OF WATER TABLE (APPROXIMATE)

323 — ESTIMATED CONTOUR OF PIEZOMETER HEAD (NGVD)

FILL

DARK BROWN TO REDDISH ORANGE BROWN BOULDER FILL WITH FINE TO COARSE SAND AND GRAVEL

ALLUVIUM

BROWN, FINE SAND

BROWN, FINE TO MEDIUM SAND

BROWN, FINE TO COARSE SAND CONTAINING FINE TO COARSE GRAVEL

BEDROCK

LIGHT GRAY – DARK GRAY, MEDIUM – DARK GRAYISH GREEN, FINE TO COARSE GRAINED AMPHIBOLITIC AND GRANITIC GNEISS

NOTES:

1) GEOLOGY BASED ON GEOLOGIC LOGS, CONNECTICUT GEOL. & HIST. SURVEY OPEN FILE AND ON FIELD OBSERVATIONS.

2) INFERRED GEOLOGIC CONTACTS SHOWN AS DASHES.

3) BASE MAP WAS DEVELOPED FROM PLANS PROVIDED BY ENVIRITE ENTITLED "GEOLOGIC CROSS-SECTION C–C" DATED JUNE, 1993, ORIGINAL SCALE 1"=50' HORIZ., 1"=10' VERT.

4) THE LOCATION OF THE BORINGS WERE APPROXIMATELY DETERMINED BY SURVEY. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

5) CONTOURS AND GEOLOGIC STRATA ARE EXTRAPOLATED FROM WELL POINT DATA USING PROFESSIONAL JUDGEMENT.

6) PIEZOMETER CONTOURS BASED ON AVERAGED WATER LEVEL READINGS TAKEN FROM A SERIES OF QUARTERLY MONITORING ROUNDS INCLUDED IN TABLE 3.1 OF THIS REPORT. INCLUSION OF INDIVIDUAL WATER LEVEL DATA POINTS AND EXTRAPOLATION OF THE CONTOURS AS SHOWN ARE BASED ON PROFESSIONAL JUDGEMENT.

REV#	DESCRIPTION	BY	DATE

–VERTICAL SCALE– 0' 5' 10' 20' 30' 40'
–HORIZONTAL SCALE– 0' 25' 50' 100' 150' 200'

GZA GeoEnvironmental, Inc.

DESIGNED BY: LER
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: AS SHOWN
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

TIME–AVERAGED PIEZOMETER HEAD CONTOUR PLAN SECTION D–D'

PROJECT NO. 41302.4

FIGURE NO. 3–16

© 1995 GZA GeoEnvironmental, Inc.

CADD FILE No. 41302.4\3-16 XREF 2-4

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY FUSS & O'NEILL ENTITLED "PROPOSED LOCATIONS, MONITOR WELLS AND RIVER PIEZOMETERS, ENVIRITE CXORPORATION, OLD WATERBURY ROAD, THOMASTON, CONNECTICUT", ORIGINAL SCALE 1"=100', PLATE NO. 40.

2) THE LOCATIONS OF THE TRANSECTS, PIEZOMETERS, STAFF GAGES, AND SEEPAGE METERS WERE APPROXIMATELY DETERMINED BY SURVEY PERFORMED BY DICARA LAND SURVEYORS. THE LOCATIONS OF THE OUTFALLS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) TRANSECT LOCATIONS WERE ESTABLISHED BETWEEN APRIL 25 AND MAY 6, 1994.

4) STAFF GAGES WERE INSTALLED BY GZA PERSONNEL ON APRIL 28, 1994 (BRANCH BROOK) AND MAY 3, 1994 (NAUGATUCK RIVER).

5) PIEZOMETERS WERE INSTALLED BY GZA PERSONNEL ON MAY 27, 1994.

LEGEND:

BBT-1	TRANSECT LOCATION AND IDENTIFICATION
NRP-1	PIEZOMETER LOCATION AND IDENTIFICATION
NRST-2	STAFF GAGE LOCATION AND IDENTIFICATION
BBSM-1	SEEPAGE METER LOCATION AND IDENTIFICATION
NR	DENOTES NAUGATUCK RIVER
BB	DENOTES BRANCH BROOK

REV#	DESCRIPTION	BY	DATE

1"=100' 0' 50' 100' 200' 300' 400'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=100'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

SURFACE WATER TRANSECTS, PIEZOMETERS, STAFF GAGES, AND SEEPAGE METERS

PROJECT NO. 41302.4

FIGURE NO. 4-1

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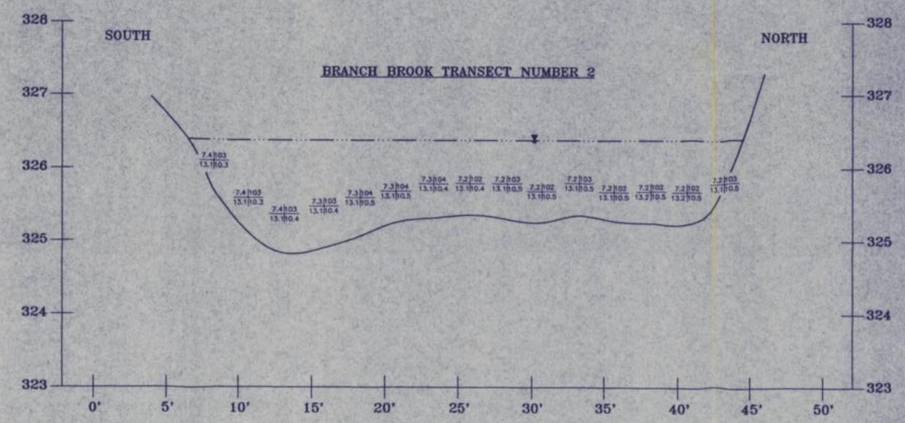
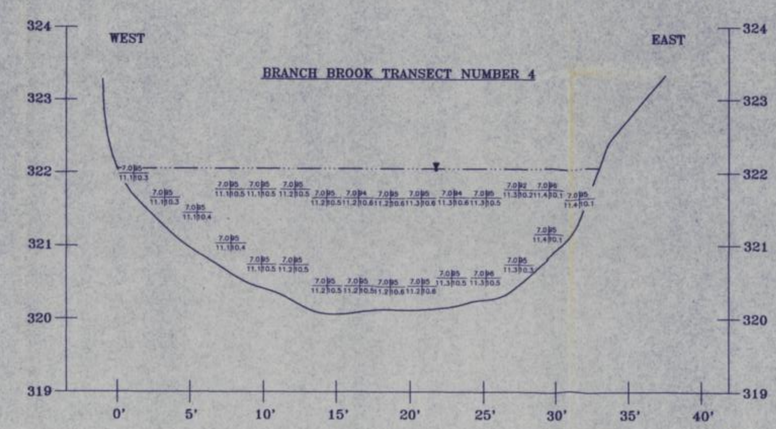
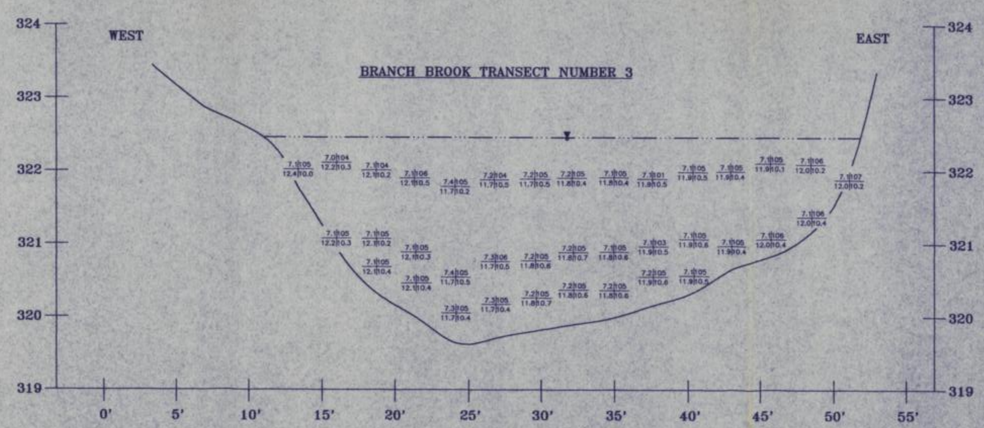
CADD FILE No.: 41302.A1-1 XREF FILE: BASE, BOR-100



DATE: 4/28/94
STREAM WIDTH: 37.5 FEET
STREAM SURFACE ELEVATION: 326.34 MSL



DATE: 4/29/94
STREAM WIDTH: 33.0 FEET
STREAM SURFACE ELEVATION: 322.04 MSL



DATE: 4/28/94
STREAM WIDTH: 40.0 FEET
STREAM SURFACE ELEVATION: 322.65 MSL

NOTES:

1) SKETCH MAP DEVELOPED FROM ELEVATION SURVEY AND TAPE MEASUREMENTS BY GZA PERSONNEL ON 4/28/94 AND 4/29/94.

2) THE LOCATION OF THE SAMPLING LOCATIONS WERE APPROXIMATELY DETERMINED BY SURVEY AND TAPE MEASUREMENTS. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) MAGNIFICATION OF VERTICAL SCALE FOR PURPOSE OF PRESENTATION CAUSES STREAM DEPTHS TO APPEAR MORE PRONOUNCED THAN ACTUALLY EXISTS.

4) WATER QUALITY MEASUREMENTS (ph, SPECIFIC CONDUCTANCE, TEMPERATURE, AND DISSOLVED OXYGEN) WERE COLLECTED WITH A HYDROLAB CORPORATION H_2O SCOUT 2 SYSTEM.

5) WATER QUALITY READINGS WERE COLLECTED BY GZA PERSONNEL ON 4/28/94 AND 4/29/94.

6) REFER TO FIGURE NUMBER 4-1 FOR TRANSECT LOCATIONS AND ADDITIONAL NOTES.

7) REFER TO TABLES 4-2D THROUGH 4-2F FOR WATER QUALITY DATA.

LEGEND:

7.0 pH (STANDARD UNITS)
11.2 SPECIFIC CONDUCTANCE (umhos/cm)
0.4 DISSOLVED OXYGEN (mg/l)
TEMPERATURE (DEGREES CELSIUS)

REV#	DESCRIPTION	BY	DATE

-VERTICAL SCALE- 0' 0.5' 1' 2' 2.5' 3' 4'
-HORIZONTAL SCALE- 0' 5' 10' 15' 20'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=5'H; 1"=1'V
DATE: MARCH 15, 1995

ENVIRITE FACILITY
THOMASTON, CONNECTICUT

BRANCH BROOK PRIMARY TRANSECT PROFILES:
PRELIMINARY SAMPLING RESULTS

PROJECT NO.
41302.4

FIGURE NO.
4-2B

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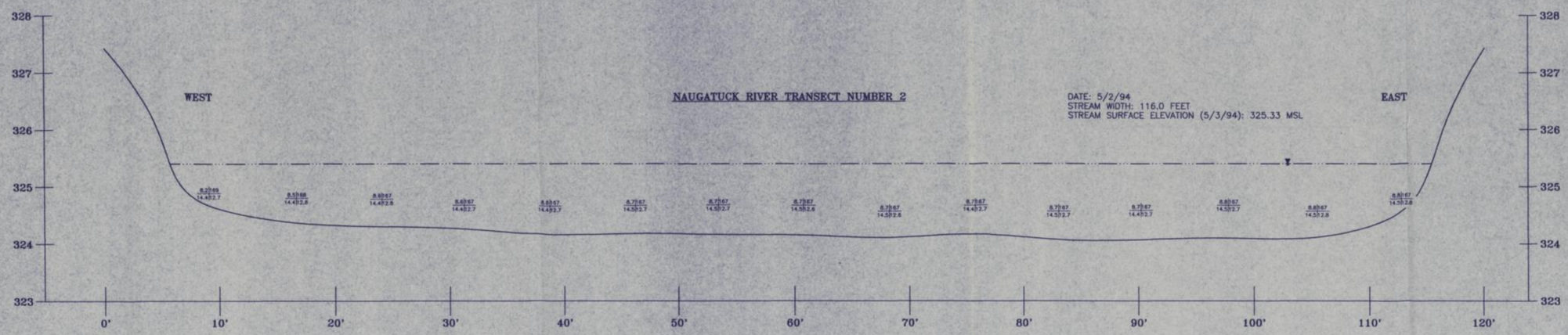
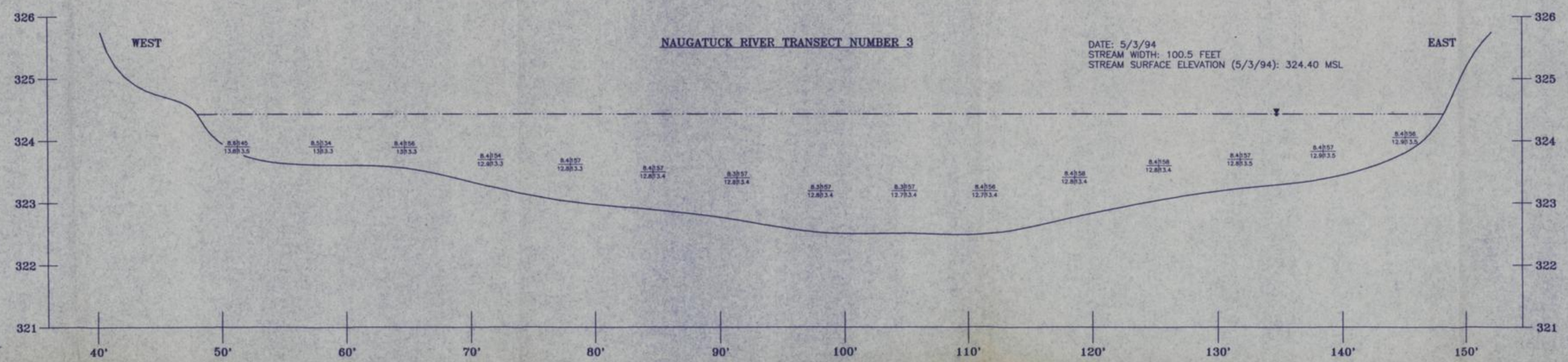
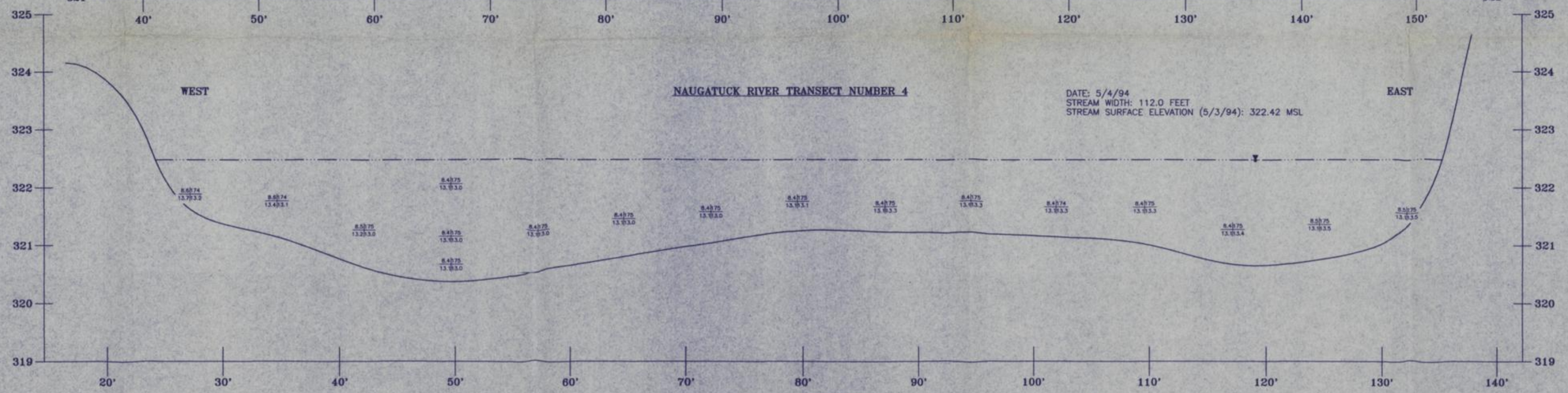
CADD FILE No.:41302-4\4-2B







NOTES:

1) SKETCH MAP DEVELOPED FROM ELEVATION SURVEY AND TAPE MEASUREMENTS BY GZA PERSONNEL BETWEEN MAY 2 AND MAY 4, 1994.

2) THE LOCATION OF THE SAMPLING LOCATIONS WERE APPROXIMATELY DETERMINED BY SURVEY AND TAPE MEASUREMENTS. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) MAGNIFICATION OF VERTICAL SCALE FOR PURPOSE OF PRESENTATION CAUSES DEPTH OF THE STREAM TO APPEAR MORE PRONOUNCED THAN ACTUALLY EXISTS.

4) WATER QUALITY READINGS WERE COLLECTED BY GZA PERSONNEL BETWEEN MAY 2 AND MAY 4, 1994.

5) STREAM SURFACE ELEVATIONS ARE BASED ON MEAN SEA LEVEL (MSL).

6) REFER TO FIGURE NUMBER 4-1 FOR TRANSECT LOCATIONS AND ADDITIONAL NOTES.

7) REFER TO TABLES 4-2A THROUGH 4-2C FOR NAUGATUCK RIVER WATER QUALITY DATA (PRELIMINARY SAMPLING RESULTS).

LEGEND:

7.0/09 — pH (STANDARD UNITS)
11.8/0.4 — SPECIFIC CONDUCTANCE (umhos/cm)
DISSOLVED OXYGEN (mg/l)
TEMPERATURE (DEGREES CELSIUS)

REV#	DESCRIPTION	BY	DATE

—VERTICAL SCALE— 0' 0.5' 1' 2' 2.5' 5'
—HORIZONTAL SCALE— 0' 4' 3' 10' 15' 20'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=5'H; 1"=1'V
DATE: MARCH 15, 1995

ENVIRITE FACILITY
THOMASTON, CONNECTICUT

NAUGATUCK RIVER PRIMARY TRANSECT PROFILES: PRELIMINARY SAMPLING RESULTS

PROJECT NO. 41302.4

FIGURE NO. 4-2A

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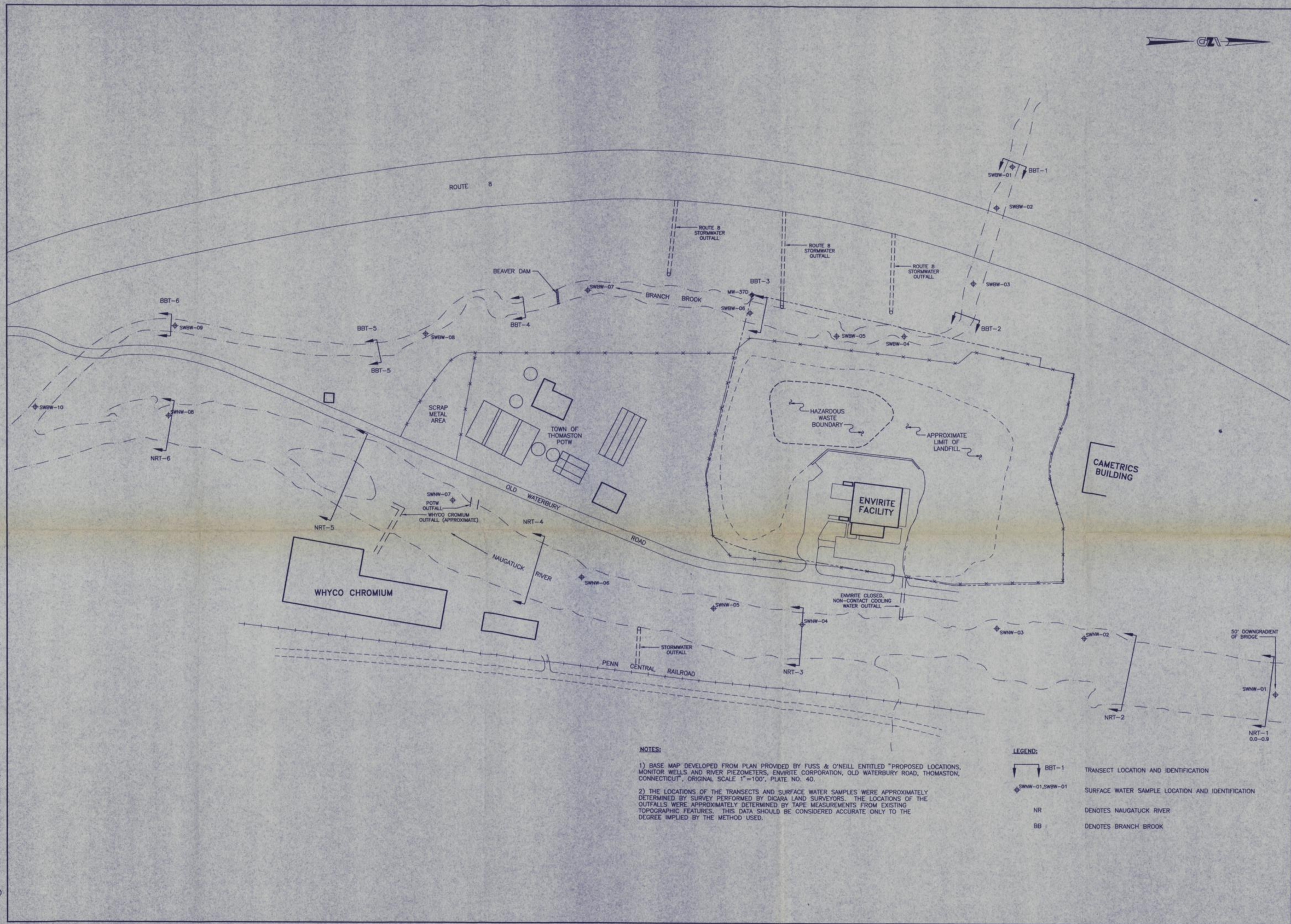
CADD FILE No.: 41302.4\4-2A



NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY FUSS & O'NEILL ENTITLED "PROPOSED LOCATIONS, MONITOR WELLS AND RIVER PIEZOMETERS, ENVIRITE CORPORATION, OLD WATERBURY ROAD, THOMASTON, CONNECTICUT", ORIGINAL SCALE 1"=100', PLATE NO. 40.

2) THE LOCATIONS OF THE TRANSECTS AND SURFACE WATER SAMPLES WERE APPROXIMATELY DETERMINED BY SURVEY PERFORMED BY DICARA LAND SURVEYORS. THE LOCATIONS OF THE OUTFALLS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND:

BBT-1	TRANSECT LOCATION AND IDENTIFICATION
SWNW-01, SWBW-01	SURFACE WATER SAMPLE LOCATION AND IDENTIFICATION
NR	DENOTES NAUGATUCK RIVER
BB	DENOTES BRANCH BROOK

REV#	DESCRIPTION	BY	DATE

1"=100'
0' 50' 100' 200' 300' 400'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=100'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

STREAM SURVEY: SURFACE WATER SAMPLING LOCATIONS

PROJECT NO. 41302.4

FIGURE NO. 4-3

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CADD FILE No.: 41302.4\4-3 XREF FILE: BASE, BOR-100

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY FUSS & O'NEILL ENTITLED "PROPOSED LOCATIONS, MONITOR WELLS AND RIVER PIEZOMETERS, ENVIRITE CORPORATION, OLD WATERBURY ROAD, THOMASTON, CONNECTICUT", ORIGINAL SCALE 1"=100', PLATE NO. 40.

2) THE LOCATIONS OF THE TRANSECTS AND INTERMEDIATE SOFT SEDIMENT SAMPLES WERE APPROXIMATELY DETERMINED BY SURVEY PERFORMED BY DICARA LAND SURVEYORS. THE LOCATIONS OF THE OUTFALLS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) TRANSECT LOCATIONS WERE ESTABLISHED BETWEEN APRIL 25 AND MAY 6, 1994.

4) INTERMEDIATE SEDIMENT SAMPLING CLASSIFICATIONS AND SOFT SEDIMENT THICKNESSES WERE COLLECTED ON MAY 10, 1994 (NAUGATUCK RIVER) AND MAY 11, 1994 (BRANCH BROOK).

5) SOFT SEDIMENT DEPTHS FOR THE RIVER TRANSECTS ARE PROVIDED IN RANGE FORM AS 15 SOFT SEDIMENT READINGS WERE COLLECTED ACROSS EACH TRANSECT.

LEGEND:

BBT-1 0.0-0.0	TRANSECT LOCATION AND IDENTIFICATION
0.0	DENOTES SOFT SEDIMENT DEPTH, IN FEET
NRI-12 0.4	INTERMEDIATE SEDIMENT SAMPLE LOCATION AND IDENTIFICATION
0.4	DENOTES SOFT SEDIMENT THICKNESS, IN FEET
NR	DENOTES NAUGATUCK RIVER
BB	DENOTES BRANCH BROOK

REV#	DESCRIPTION	BY	DATE

1"=100' 0' 50' 100' 200' 300' 400'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=100'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

INTERMEDIATE SEDIMENT SAMPLING LOCATIONS AND SOFT SEDIMENT DEPTHS

PROJECT NO. 41302.4

FIGURE NO. 4-4

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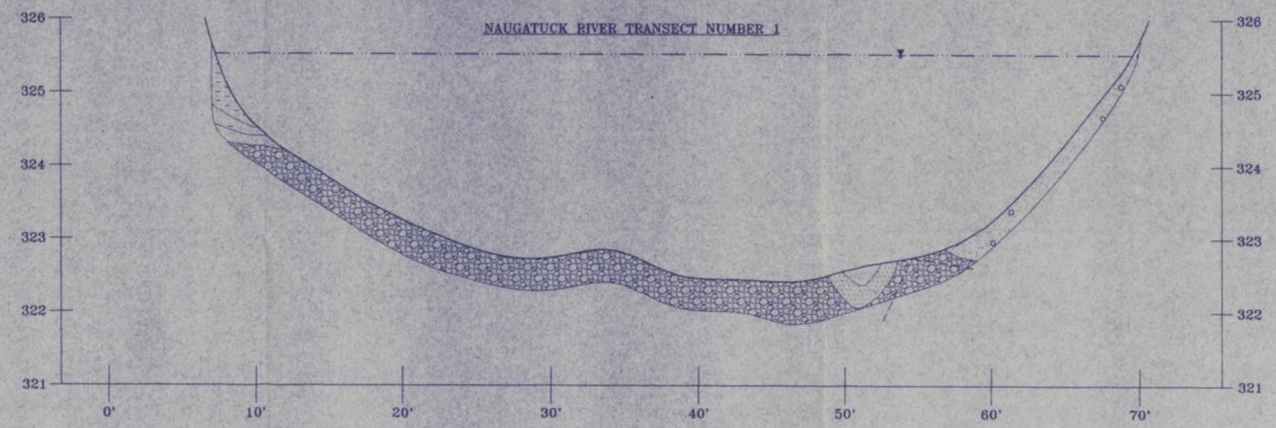
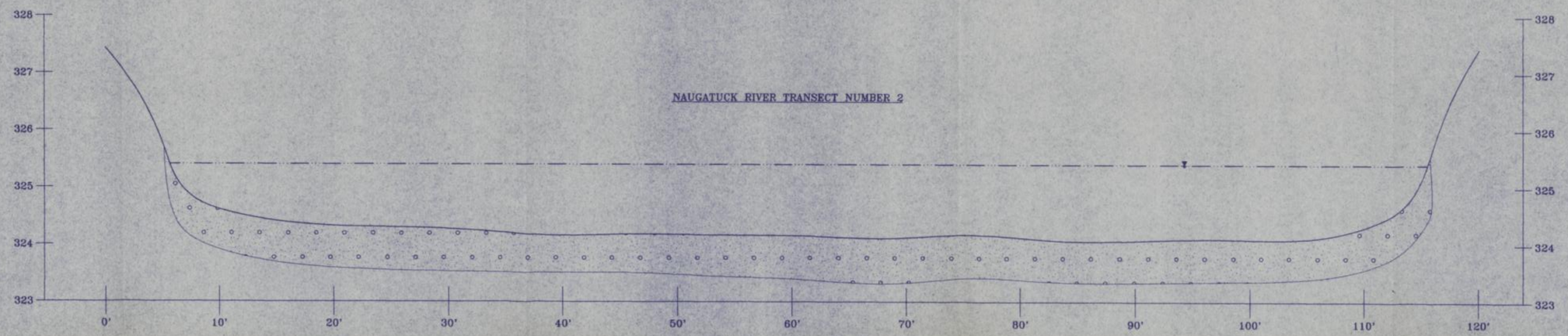
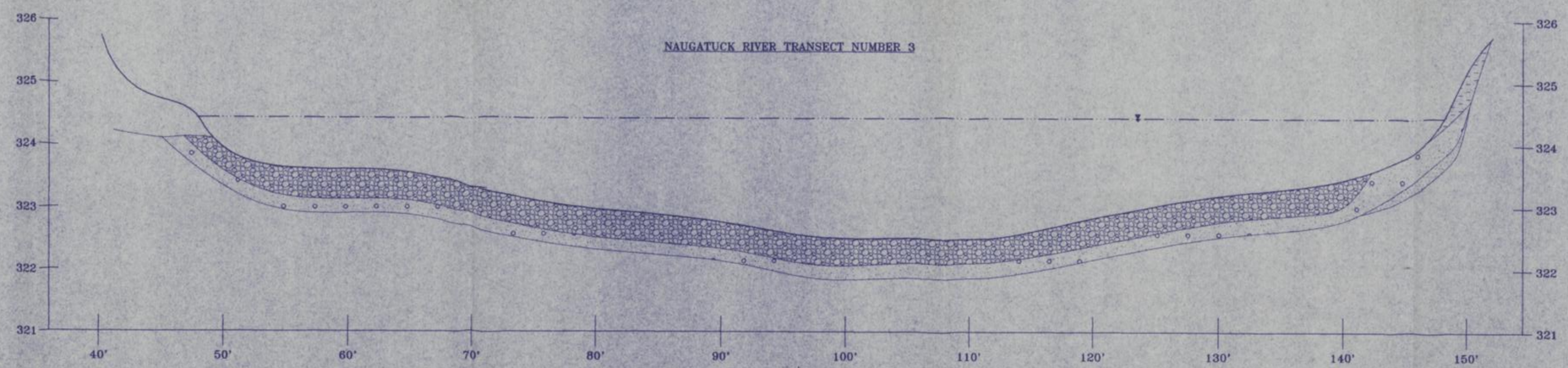
CADD FILE No.: 41302.4\4-4 XREF FILE: BASE, BOR-100







NOTES

1) SKETCH MAP DEVELOPED FROM ELEVATION SURVEY AND TAPE MEASUREMENTS BY GZA PERSONNEL BETWEEN MAY 2, 1994 AND MAY 11, 1994.

2) THE LOCATION OF THE SAMPLING WERE APPROXIMATELY DETERMINED BY SURVEY AND TAPE MEASUREMENTS. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) MAGNIFICATION OF VERTICAL SCALE FOR PURPOSE OF PRESENTATION CAUSES DEPTHS TO APPEAR MORE PRONOUNCED THAN ACTUALLY EXISTS.

4) REFER TO FIGURE NUMBER 4-1 FOR TRANSECT LOCATIONS AND ADDITIONAL NOTES.

5) REFER TO TABLES 4-4A THROUGH 4-4F FOR SEDIMENT DESCRIPTIONS AND SOFT SEDIMENT THICKNESSES.

LEGEND

- ORGANIC MATTER
- SILT
- FINE SAND AND SILT
- FINE TO MEDIUM SAND
- SAND AND GRAVEL
- COBBLES (COBBLES AND GRAVEL)
- SOFT SEDIMENT THICKNESS

REV#	DESCRIPTION	BY	DATE

~VERTICAL SCALE~ 0' 0.5' 1' 2' 3' 4'
~HORIZONTAL SCALE~ 0' 2.5' 5' 10' 15' 20'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=5'H; 1"=1'V
DATE: MARCH 15, 1995

ENVIRITE FACILITY
THOMASTON, CONNECTICUT

NAUGATUCK RIVER TRANSECTS: SEDIMENT SURVEY PROFILES/ SOFT SEDIMENT

PROJECT NO. 41302.4

FIGURE NO. 4-5AA

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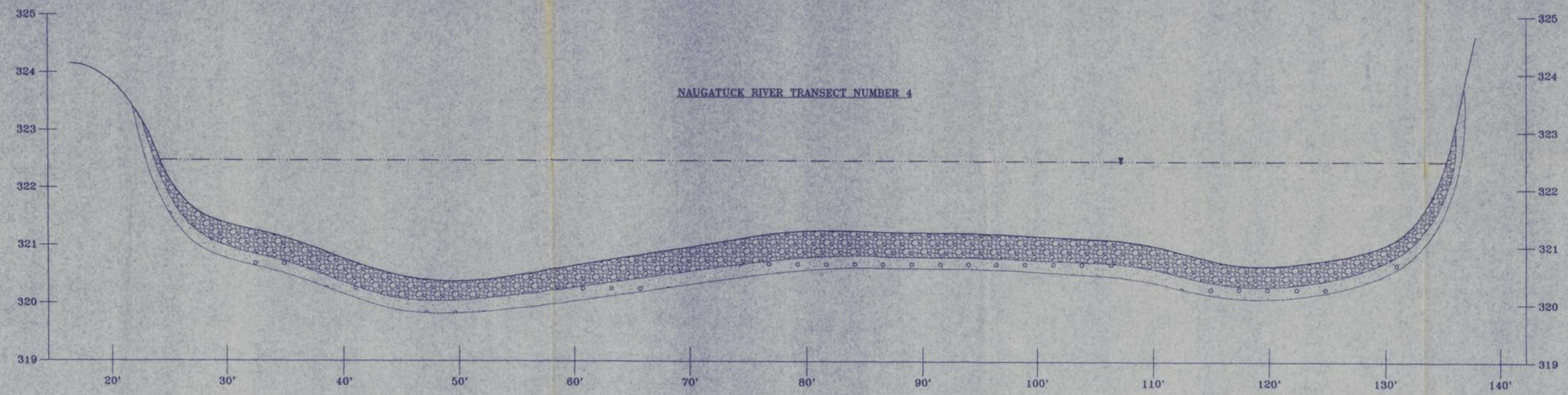
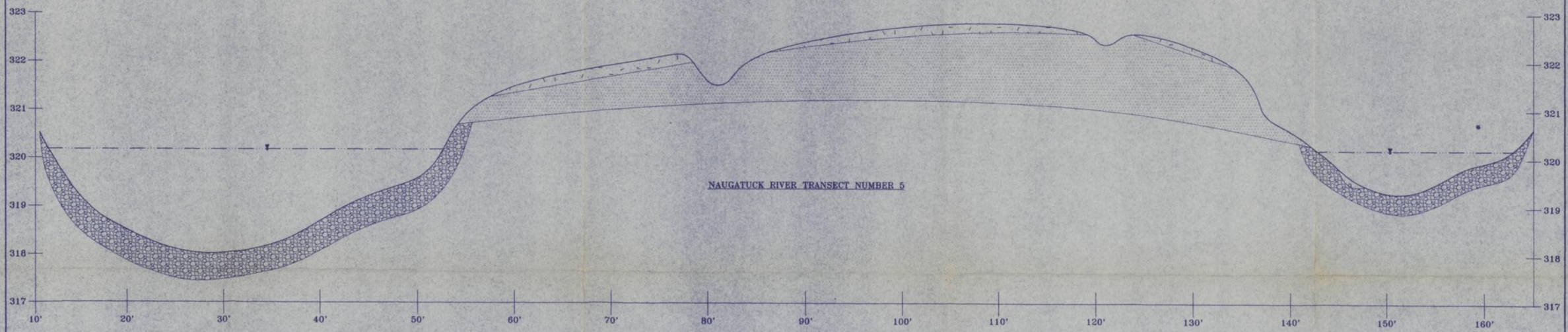
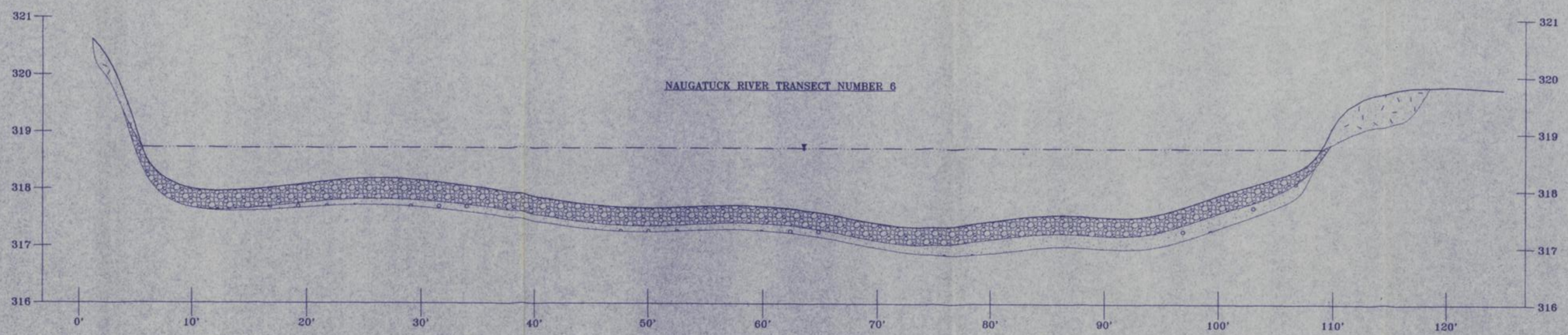
CADD FILE No. 41302.4,4-5AA







NOTES

1) SKETCH MAP DEVELOPED FROM ELEVATION SURVEY AND TAPE MEASUREMENTS BY GZA PERSONNEL BETWEEN MAY 2, 1994 AND MAY 11, 1994.

2) THE LOCATION OF THE SAMPLING WERE APPROXIMATELY DETERMINED BY SURVEY AND TAPE MEASUREMENTS. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) MAGNIFICATION OF VERTICAL SCALE FOR PURPOSE OF PRESENTATION CAUSES DEPTHS TO APPEAR MORE PRONOUNCED THAN ACTUALLY EXISTS.

4) REFER TO FIGURE NUMBER 4-1 FOR TRANSECT LOCATIONS AND ADDITIONAL NOTES.

5) REFER TO TABLES 4-4A THROUGH 4-4F FOR SEDIMENT DESCRIPTIONS AND SOFT SEDIMENT THICKNESSES.

LEGEND

- ORGANIC MATTER
- SILT
- FINE SAND AND SILT
- FINE TO MEDIUM SAND
- SAND AND GRAVEL
- COBBLES (COBBLES AND GRAVEL)
- SOFT SEDIMENT THICKNESS

REV#	DESCRIPTION	BY	DATE

-VERTICAL SCALE- 0' 0.5' 1' 2' 3' 4'

-HORIZONTAL SCALE- 0' 2.5' 5' 10' 15' 20'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=5'H; 1"=1'V
DATE: MARCH 15, 1995

ENVIRITE FACILITY
THOMASTON, CONNECTICUT

NAUGATUCK RIVER TRANSECTS: SEDIMENT SURVEY PROFILES/ SOFT SEDIMENT

PROJECT NO. 41302.4

FIGURE NO. 4-5AB

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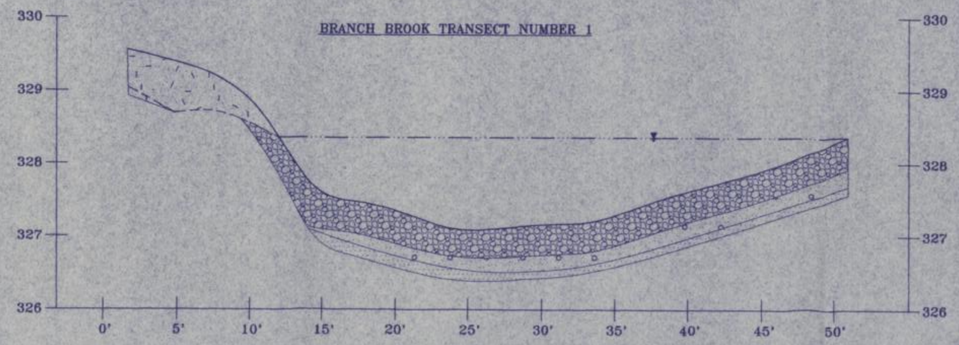
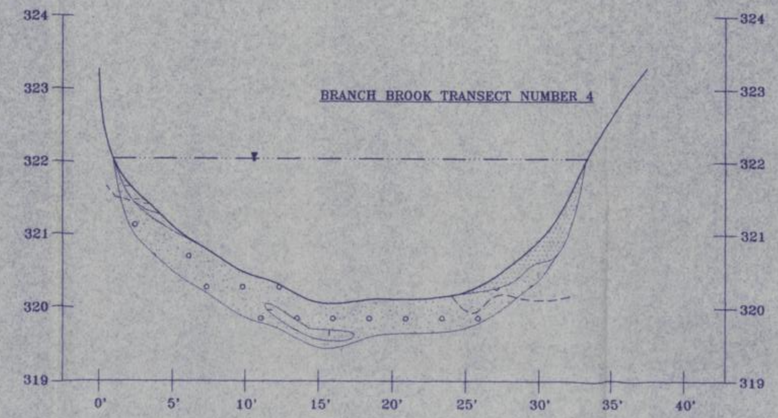
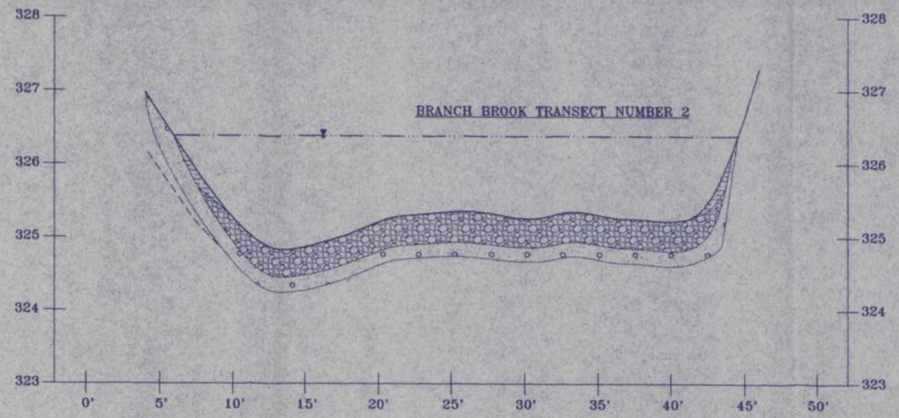
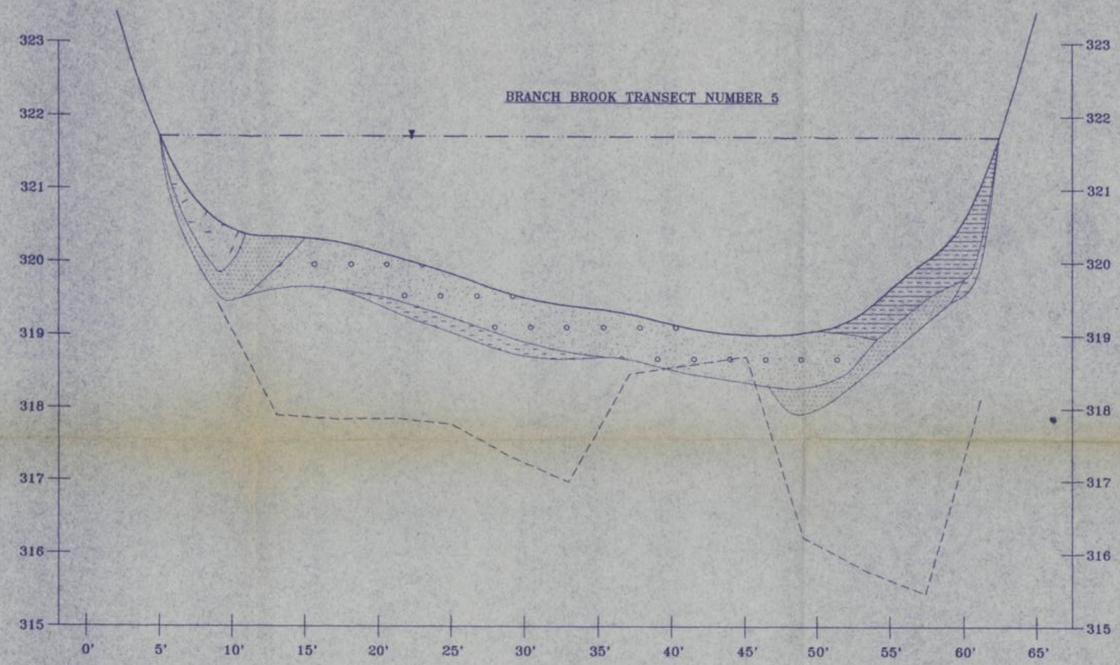
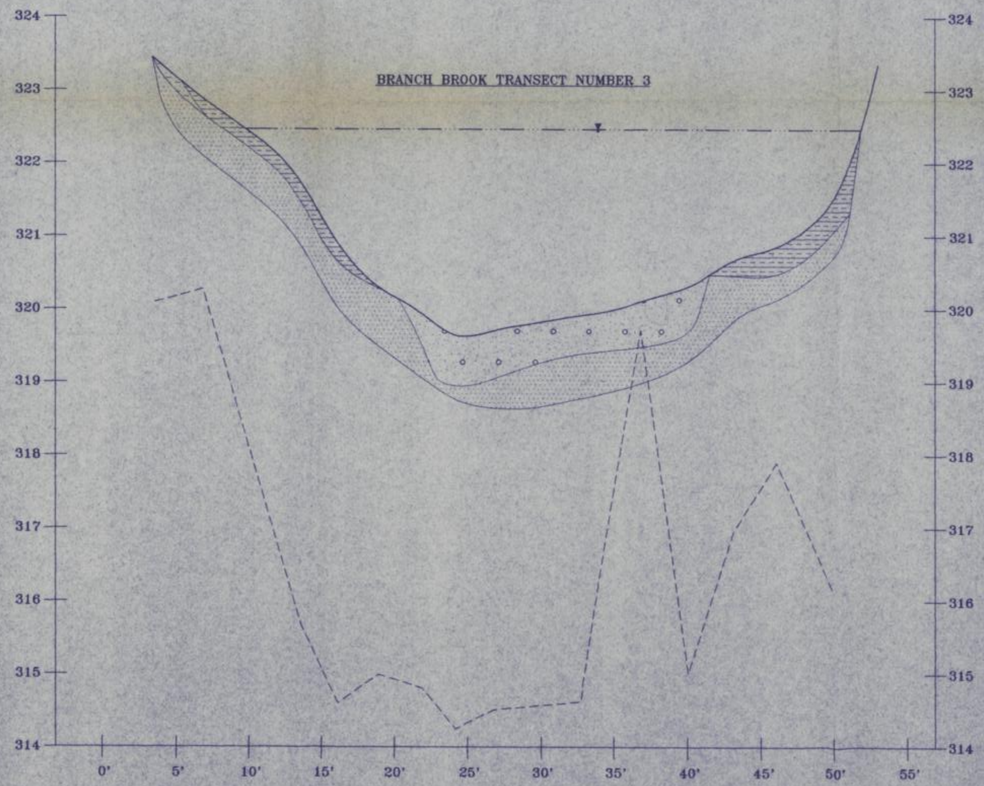
CADD FILE No.:41302-A\4-5AB

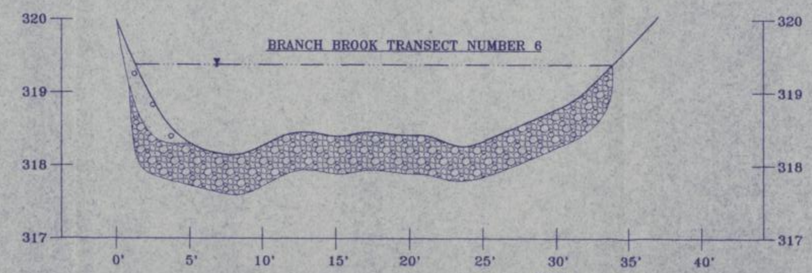












LEGEND

- ORGANIC MATTER
- SILT
- FINE SAND AND SILT
- FINE TO MEDIUM SAND
- SAND AND GRAVEL
- COBBLES (COBBLES AND GRAVEL)
- SOFT SEDIMENT THICKNESS

NOTES

1) SKETCH MAP DEVELOPED FROM ELEVATION SURVEY AND TAPE MEASUREMENTS BY GZA PERSONNEL BETWEEN APRIL 25, 1994 AND MAY 2, 1994.

2) THE LOCATION OF THE SAMPLING WERE APPROXIMATELY DETERMINED BY SURVEY AND TAPE MEASUREMENTS. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) MAGNIFICATION OF VERTICAL SCALE FOR PURPOSE OF PRESENTATION CAUSES DEPTHS TO APPEAR MORE PRONOUNCED THAN ACTUALLY EXISTS.

4) REFER TO FIGURE NUMBER 4-1 FOR TRANSECT LOCATIONS AND ADDITIONAL NOTES.

5) REFER TO TABLES 4-4F THROUGH 4-4K FOR SEDIMENT DESCRIPTIONS AND SOFT SEDIMENT THICKNESSES.

REV#	DESCRIPTION	BY	DATE

—VERTICAL SCALE— 0' 0.5' 1' 2' 3' 4'
—HORIZONTAL SCALE— 0' 2.5' 5' 10' 15' 20'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=5'H; 1"=1'V
DATE: MARCH 15, 1995

ENVIRITE FACILITY
THOMASTON, CONNECTICUT

BRANCH BROOK TRANSECTS:
SEDIMENT SURVEY PROFILES/
SOFT SEDIMENT DEPTHS

PROJECT NO. 41302.4

FIGURE NO. 4-5B

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CADD FILE No.:41302.4\4-5B

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY FUSS & O'NEILL ENTITLED "PROPOSED LOCATIONS, MONITOR WELLS AND RIVER PIEZOMETERS, ENVIRITE CORPORATION, OLD WATERBURY ROAD, THOMASTON, CONNECTICUT", ORIGINAL SCALE 1"=100', PLATE NO. 40.

2) THE LOCATIONS OF THE TRANSECTS AND INTERMEDIATE SOFT SEDIMENT SAMPLES WERE APPROXIMATELY DETERMINED BY SURVEY PERFORMED BY DICARA LAND SURVEYORS. THE LOCATIONS OF THE OUTFALLS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) TRANSECT LOCATIONS WERE ESTABLISHED BETWEEN APRIL 25 AND MAY 6, 1994.

4) SMAPLES WERE COLLECTED FOR CONTAMINENT CHARACTERIZATION FROM THE BRANCH BROOK ON JUNE 20 AND OCTOBER 6, 1994. SAMPLES WERE COLLECTED FROM THE NAUGATUCK RIVER ON JUNE 21 AND OCTOBER 7, 1994.

LEGEND:

BBT-1	TRANSECT LOCATION AND IDENTIFICATION
NRI-12,TNR-04	INTERMEDIATE SEDIMENT SAMPLE LOCATION AND IDENTIFICATION
NR	DENOTES NAUGATUCK RIVER
BB	DENOTES BRANCH BROOK

REV#	DESCRIPTION	BY	DATE

1"=100'
0' 50' 100' 200' 300' 400'

GZA GeoEnvironmental, Inc.

DESIGNED BY: PEK
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=100'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

SEDIMENT SAMPLING LOCATIONS FOR CONTAMINANT CHARACTERIZATION

PROJECT NO. 41302.4

FIGURE NO. 4-6

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CADD FILE No.: 41302.4\4-6 XREF FILE BASE, BOR-100

NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY FUSS & O'NEILL ENTITLED "PROPOSED LOCATIONS, MONITOR WELLS AND RIVER PIEZOMETERS, ENVIRITE CORPORATION, OLD WATERBURY ROAD, THOMASTON, CONNECTICUT", ORIGINAL SCALE 1"=100', PLATE NO. 40.

2) THE LOCATIONS OF THE TRANSECTS AND SURFACE WATER SAMPLES WERE APPROXIMATELY DETERMINED BY SURVEY PERFORMED BY DICARA LAND SURVEYORS. THE LOCATIONS OF THE OUTFALLS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS FROM EXISTING TOPOGRAPHIC FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND:

NR	DENOTES NAUGATUCK RIVER
BB	DENOTES BRANCH BROOK
	RIVER SEGMENT FROM WHICH INVERTEBRATE SAMPLES WERE COLLECTED
	RIVER SEGMENT ALONG WHICH FISH SURVEY WAS CONDUCTED
NR-R1	NAUGATUCK RIVER REFERENCE STATION LOCATION AND IDENTIFICATION
NR-A1	NAUGATUCK RIVER ADJACENT STATION LOCATION AND IDENTIFICATION
BB-R1	BRANCH BROOK REFERENCE STATION LOCATION AND IDENTIFICATION
BB-A1	BRANCH BROOK ADJACENT STATION AND LOCATION

REV#	DESCRIPTION	BY	DATE

1"=100'
0' 50' 100' 200' 300' 400'

GZA GeoEnvironmental, Inc.

DESIGNED BY: JTG
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=100'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

BIOLOGICAL SURVEY SAMPLING LOCATION PLAN

PROJECT NO. 41302.4

FIGURE NO. 5-1

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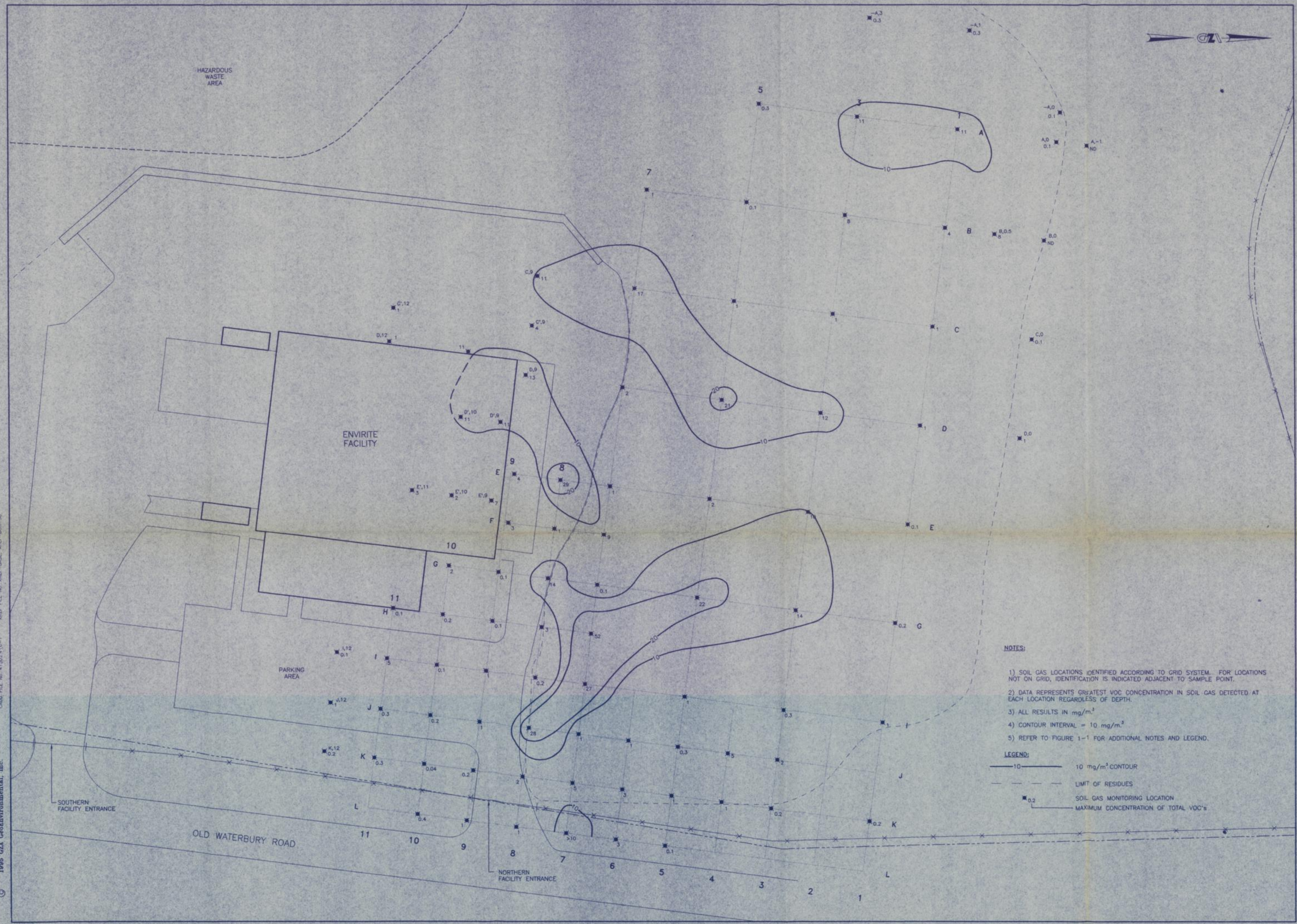

REV#	DESCRIPTION	BY	DATE

1"=20'
0' 10' 20' 40' 60' 80'

GZA GeoEnvironmental, Inc.

DESIGNED BY: CW
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=20'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

SOIL GAS SURVEY RESULTS: TOTAL VOC's

PROJECT NO. 41302.4

FIGURE NO. 6-1

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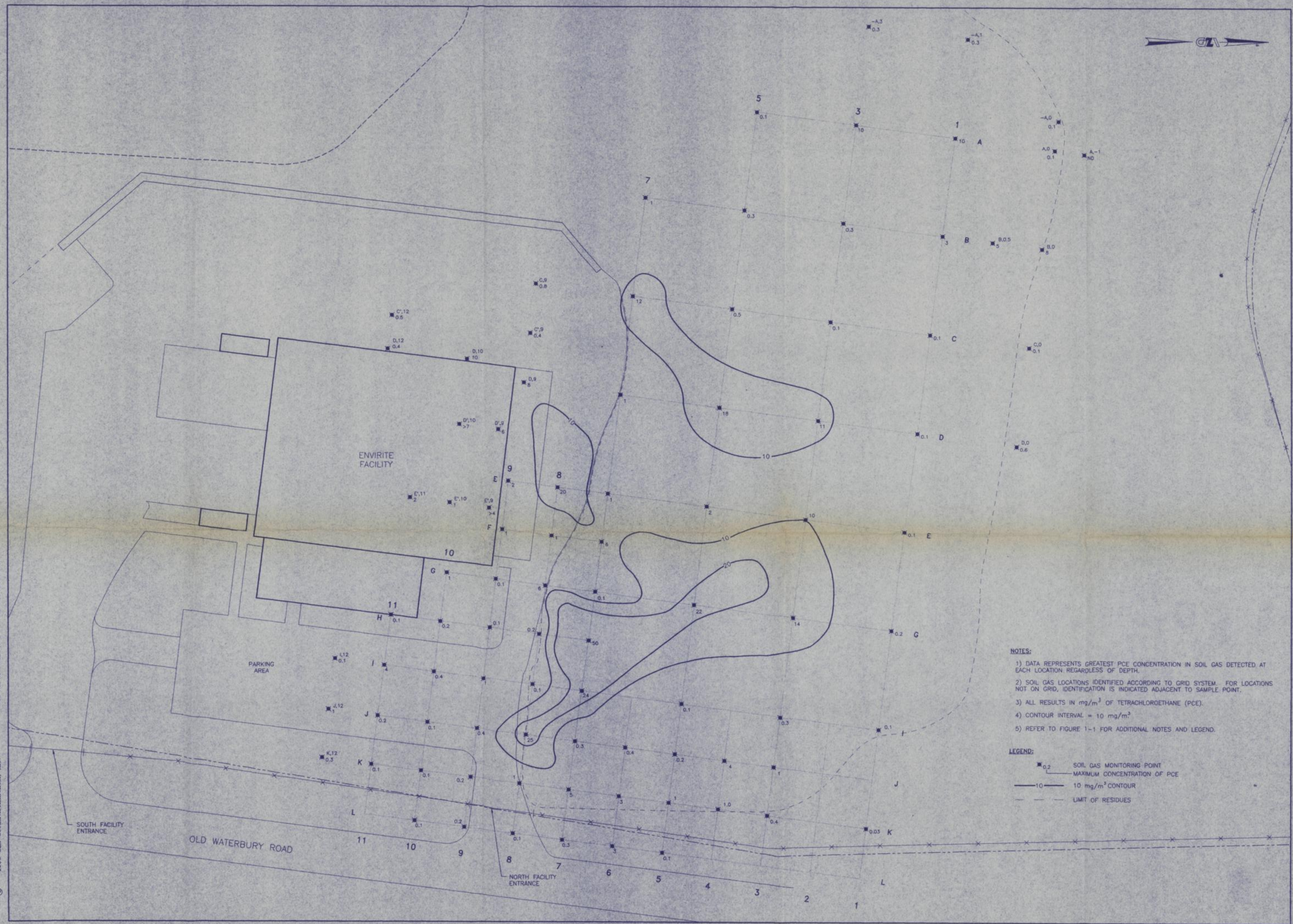

REV#	DESCRIPTION	BY	DATE

1" = 20'
0' 10' 20' 40' 60' 80'

GZA GeoEnvironmental, Inc.

DESIGNED BY: CW
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1" = 20'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

SOIL GAS SURVEY RESULTS: PCE

PROJECT NO. 41302.4

FIGURE NO. 6-2

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CADD FILE No. 41302.4.6-2 XREF FILE No. ENVIR13

NOTES:

1) REFER TO FIGURE 1-1 FOR ADDIONAL NOTES AND LEGEND.

2) REFER TO TABLE 6-2 FOR WASTE MATERIAL THICKNESS ESTIMATES IN EACH BORING.

LEGEND:

W-21	PRE-ENVIRITE WASTE MATERIAL BORING LOCATION AND IDENTIFICATION
R-11	AREA OF CONCERN - ROADWAY BORING LOCATION AND IDENTIFICATION
MW-31	MONITORING WELL LOCATION AND IDENTIFICATION
	WASTE THICKNESS, 0-3 FEET
	WASTE THICKNESS, 3-6 FEET
	WASTE THICKNESS, 6-8.5 FEET

REV#	DESCRIPTION	BY	DATE

1"=10'
0' 5' 10' 20' 30' 40'

GZA GeoEnvironmental, Inc.

DESIGNED BY: CW
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=10'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

PRE-ENVIRITE WASTE MATERIAL

PROJECT NO. 41302.3

FIGURE NO. 6-3

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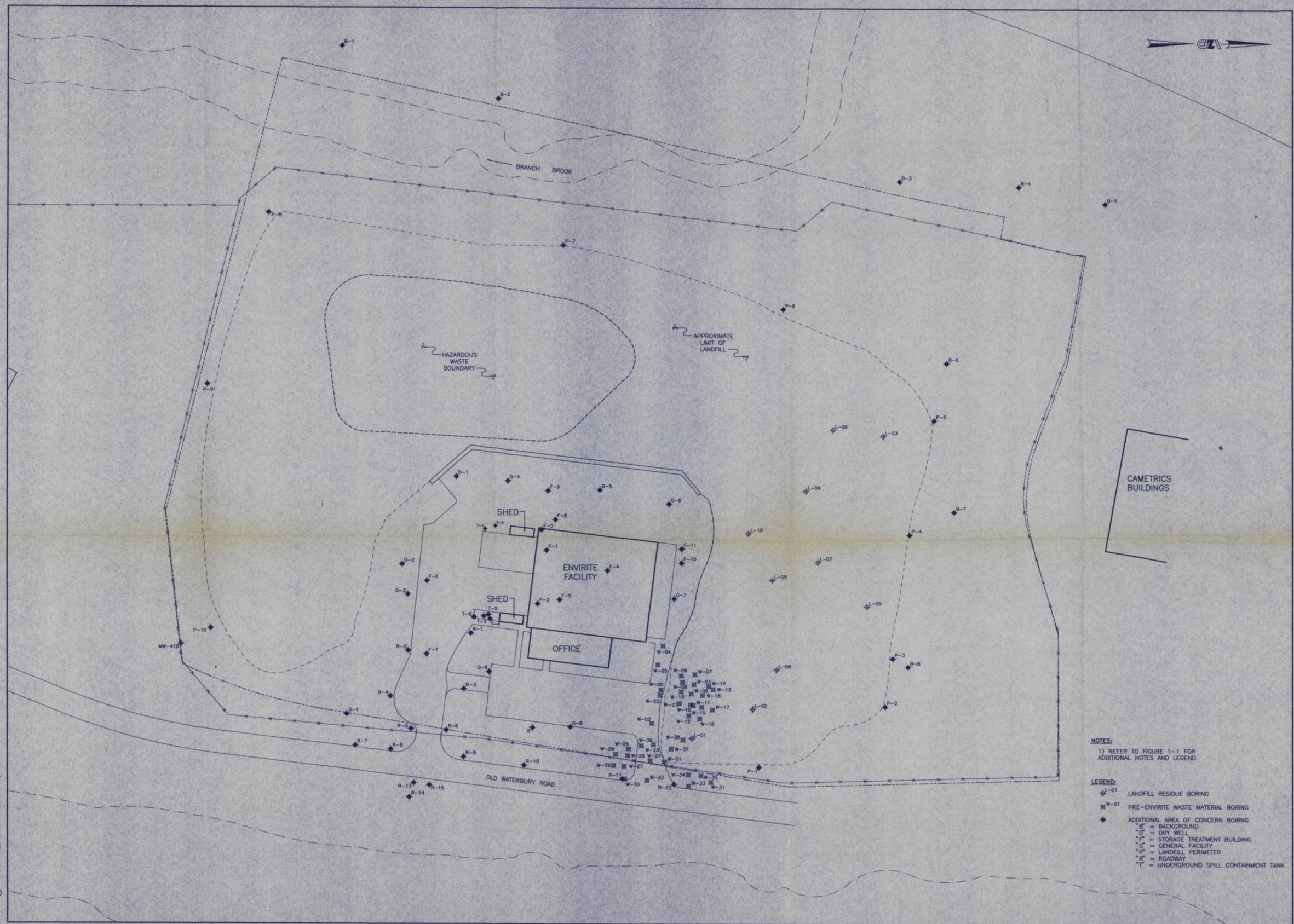
CADD FILE No.:41302.4\6-3 XREF FILE No.:XREF-BASE, XREF-BOR-10



REV#	DESCRIPTION	BY	DATE

0' 20' 40' 80' 120' 160'
1"=40'

GZA GeoEnvironmental, Inc.

DESIGNED BY: CW
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RAW
SCALE: 1"=40'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

AREA OF CONCERN SOIL BORING

PROJECT NO. 41302.4

FIGURE NO. 7-1

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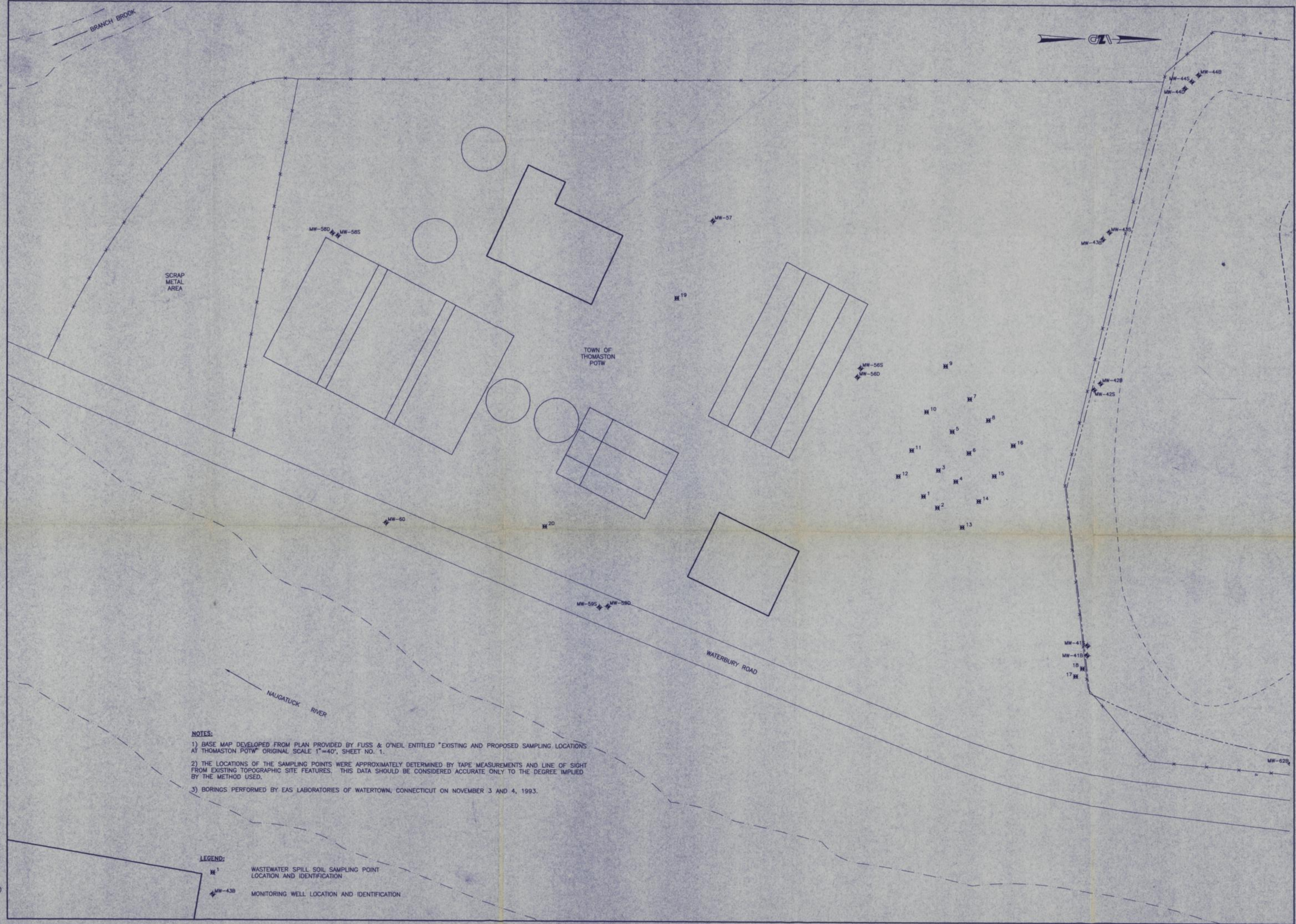
CADD FILE No.:41302.4\7-1 XREF FILE No.:BASE, BOR-40



NOTES:

1) BASE MAP DEVELOPED FROM PLAN PROVIDED BY FUSS & O'NEIL ENTITLED "EXISTING AND PROPOSED SAMPLING LOCATIONS AT THOMASTON POTW" ORIGINAL SCALE 1"=40', SHEET NO. 1.

2) THE LOCATIONS OF THE SAMPLING POINTS WERE APPROXIMATELY DETERMINED BY TAPE MEASUREMENTS AND LINE OF SIGHT FROM EXISTING TOPOGRAPHIC SITE FEATURES. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

3) BORINGS PERFORMED BY EAS LABORATORIES OF WATERTOWN, CONNECTICUT ON NOVEMBER 3 AND 4, 1993.

LEGEND:

1 — WASTEWATER SPILL SOIL SAMPLING POINT LOCATION AND IDENTIFICATION

MW-43B — MONITORING WELL LOCATION AND IDENTIFICATION

REV#	DESCRIPTION	BY	DATE

1"=30': 0' 15' 30' 60' 90' 120'

GZA GeoEnvironmental, Inc.

DESIGNED BY: CAW
CHECKED BY: JTG
REVIEWED BY: TFS
DRAWN BY: RJD
SCALE: 1"=40'
DATE: MARCH 15, 1995

ENVIRITE RCRA FACILITY INVESTIGATION
THOMASTON, CONNECTICUT

WASTEWATER SPILL AREA SAMPLING LOCATION PLAN

PROJECT NO. 41302.4

FIGURE NO. 8-1

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CADD FILE No.:41302.4\8-1 XREF FILE No.:XREF-BOR-30