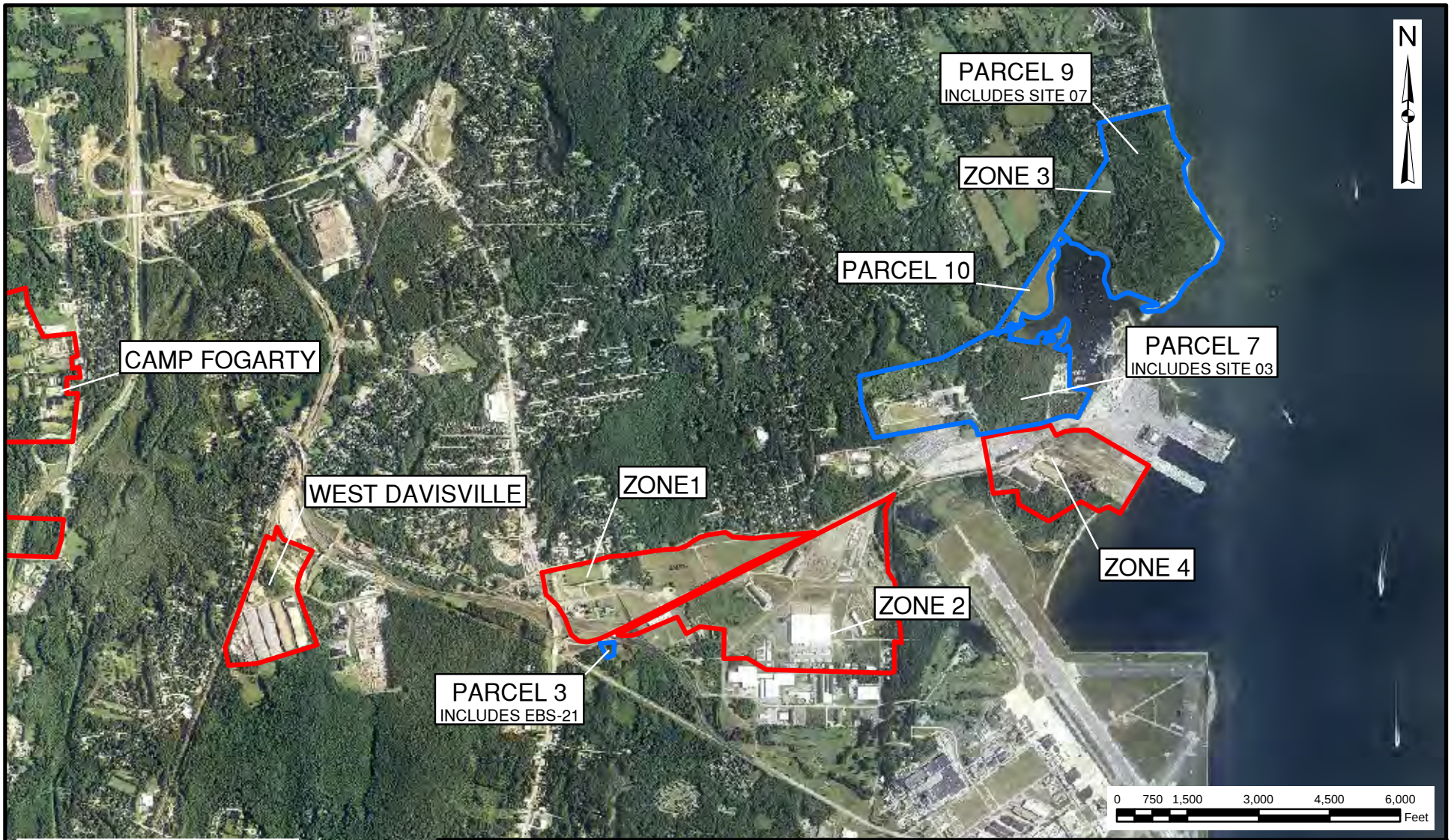
FIGURES

I:\1511\1230\FIGURE_1.MXD KPC/NEC 12/17/12



Legend

NCBC PARCELS

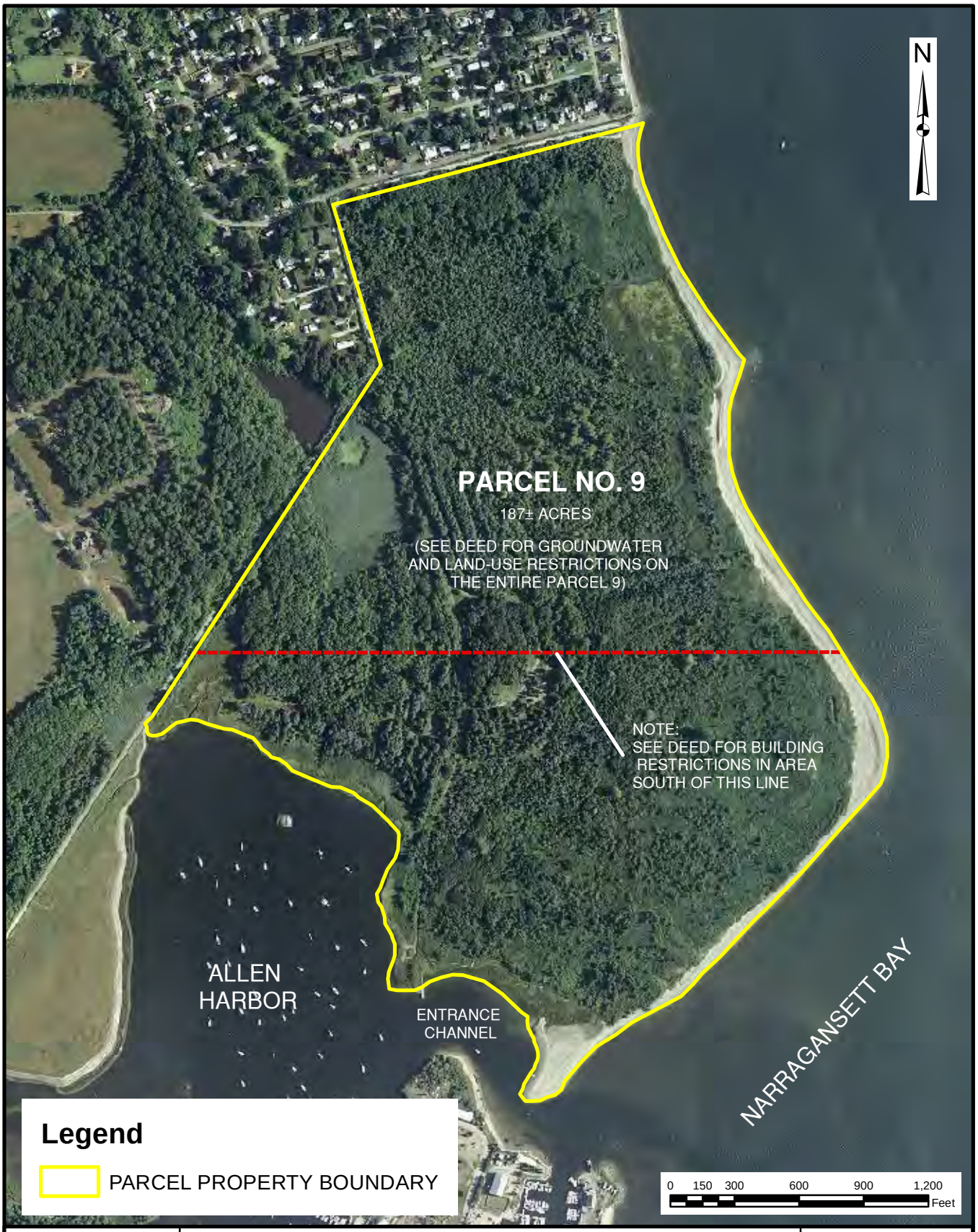
LUCIP PARCELS

TETRA TECH

SITE LOCUS MAP
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

SCALE	PER SCALE BAR
FILE	I:\...\FIGURE_1.MXD
REV	0
DATE	12/17/12
FIGURE NUMBER	2-1

I:\1511\1230\FIGURE_4.MXD KPC/NEC 12/17/12



TETRA TECH

PARCEL NO. 9 SITE MAP
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

SCALE	PER SCALE BAR
FILE	I:\...\FIGURE_4.MXD
REV	0
DATE	12/17/12
FIGURE NUMBER	2-2

TETRA TECH

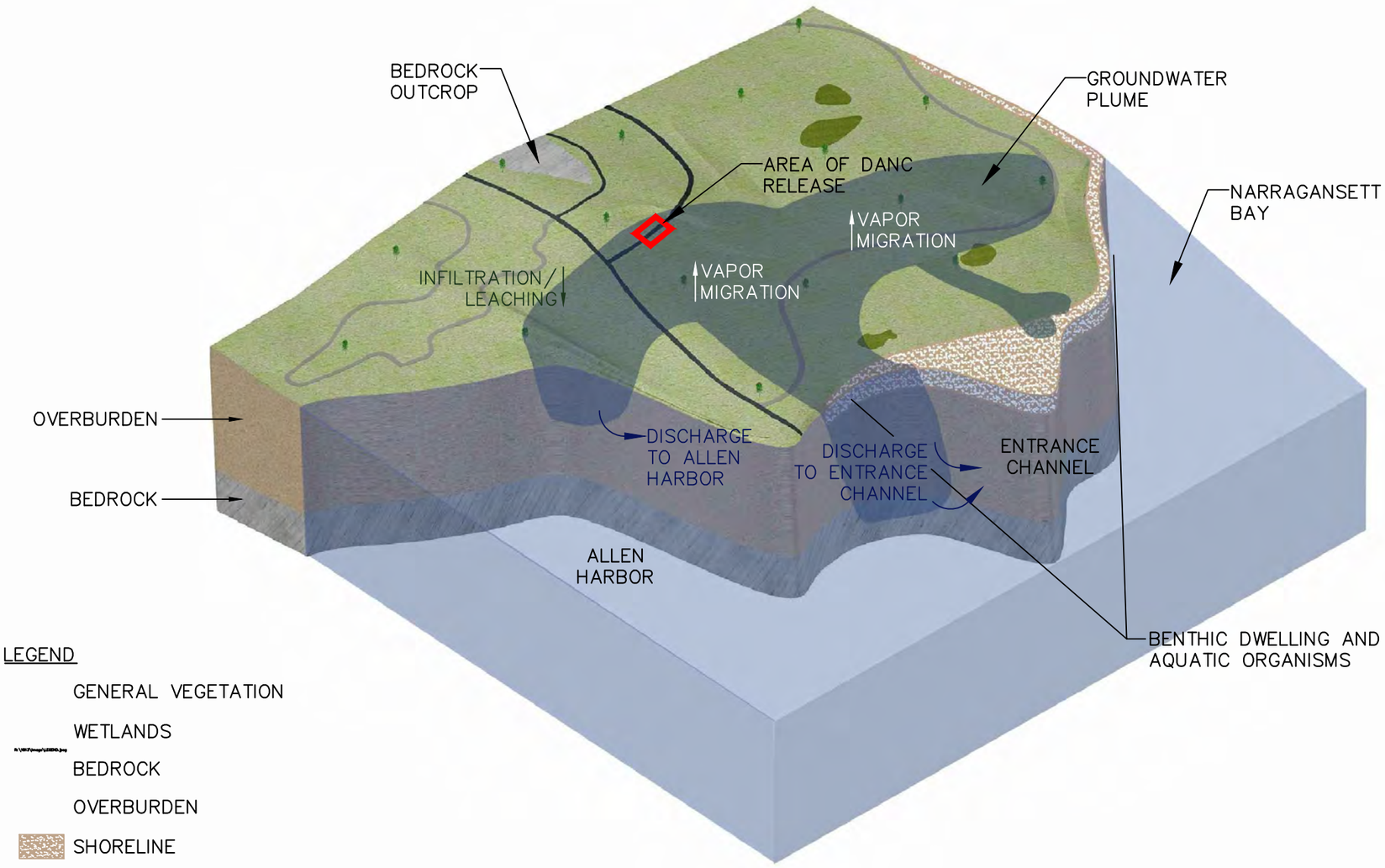
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

SAMPLE LOCATION MAP

SITE 07

FILE	SCALE	
I:\..\DAVISVILLE_SITE7_SAMP_LOC_MAP.MXD	PER-SCALE BAR	
FIGURE NUMBER	REV	DATE
2-3	0	12/24/12

I:\15101230\DAVISVILLE_SITE7_SAMP_LOC_MAP.MXD DWM 12/24/12



LEGEND

- GENERAL VEGETATION
- WETLANDS
- BEDROCK
- OVERBURDEN
- SHORELINE

POTENTIAL RECEPTORS:

FUTURE CONSTRUCTION/REMEDIATION WORKERS

- INCIDENTAL INGESTION OF SOIL (1)
- INCIDENTAL INGESTION OF SHALLOW GROUNDWATER (1)

RECREATIONAL USER

- INCIDENTAL INGESTION OF SURFACE SOIL (1)
- INCIDENTAL INGESTION OF SEDIMENT (1)
- INHALATION OF VOCS FROM DEEP/BEDROCK GROUNDWATER WHILE SHOWERING (2)
- DERMAL CONTACT WITH DEEP/BEDROCK GROUNDWATER WHILE SHOWERING (2)
- INCIDENTAL INGESTION OF SURFACE WATER WHILE SWIMMING (3)
- DERMAL CONTACT WITH SURFACE WATER WHILE SWIMMING (3)

SHELLFISH CONSUMER

- INGESTION OF SHELLFISH TAKEN FROM ALLEN HARBOR ADJACENT TO SITE 07 (1)

HYPOTHETICAL FUTURE RESIDENT

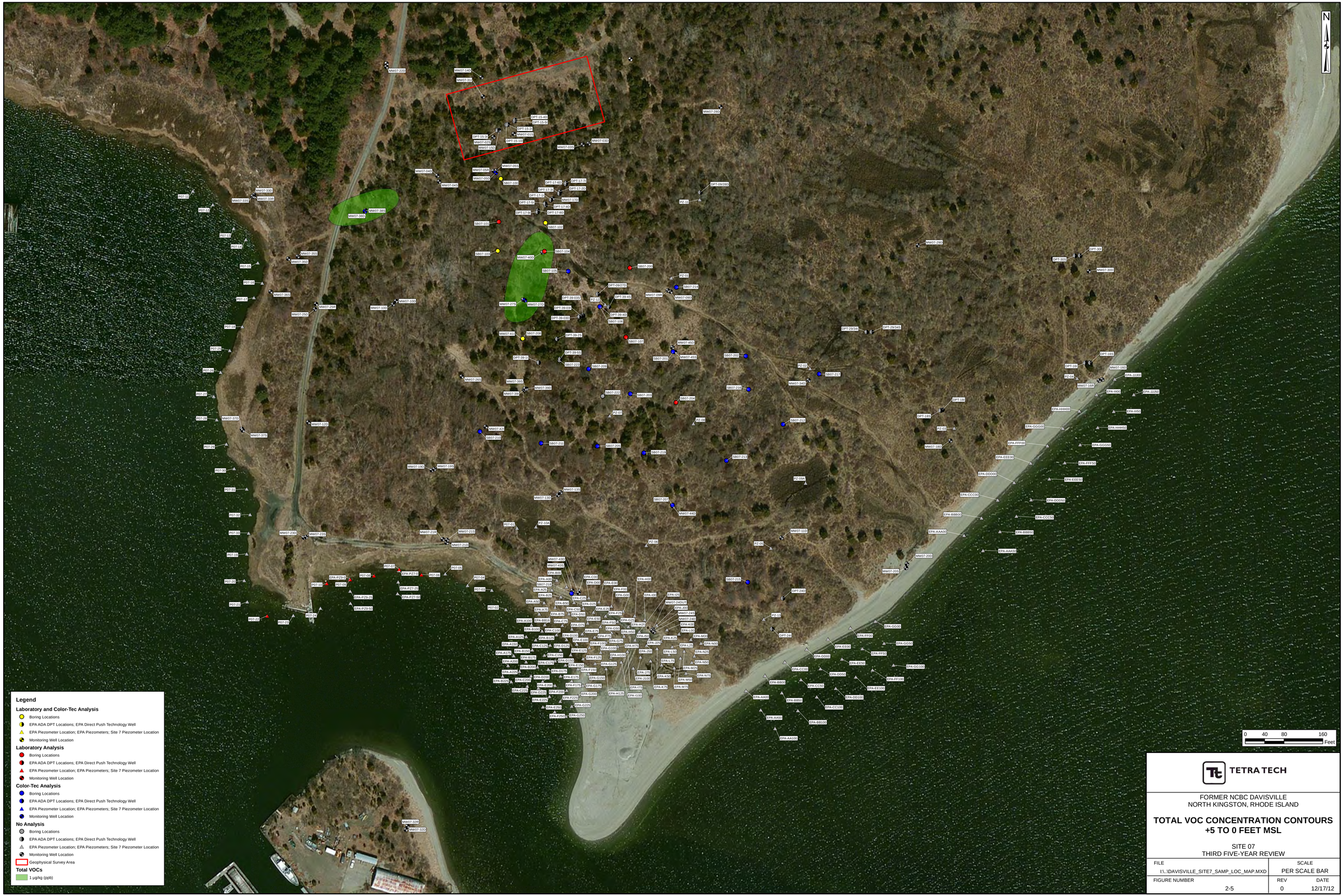
- CONSUMPTION OF DEEP/BEDROCK GROUNDWATER (2)

NOTES:

1. HUMAN HEALTH RISK ASSESSMENT FOR SITE 07 DETERMINED NO UNACCEPTABLE RISKS FOR THIS EXPOSURE PATHWAY
2. SITE 07 REMEDY ADDRESSES RISKS ASSOCIATED WITH THIS POTENTIAL EXPOSURE PATHWAY THROUGH LAND-USE RESTRICTIONS
3. HUMAN HEALTH RISK ASSESSMENT FOR SITE 07 DETERMINED NO UNACCEPTABLE RISKS FOR THIS EXPOSURE PATHWAY, CONCLUSION VERIFIED USING LTM DATA IN 2007 AND 2010

DRAWN BY CK	DATE 8-12-10	CONCEPTUAL SITE MODEL THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTOWN, RHODE ISLAND	CONTRACT NO. 1813
CHECKED BY SRA	DATE 12/12/12		OWNER NO.
REVISED BY CK	DATE 12-12-12		APPROVED BY / DATE
SCALE NOT TO SCALE			DRAWING NO. FIGURE 2-4 / REV. 0

R:\1813 - NCBC Davisville\CSM\1813CSM02.dwg PIT CARLY.KRAMER 12/12/2012 9:16:22 AM



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS +5 TO 0 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE	
I:\..\DAVISVILLE_SITE7_SAMP_LOC_MAP.MXD	PER SCALE BAR	
FIGURE NUMBER	REV	DATE
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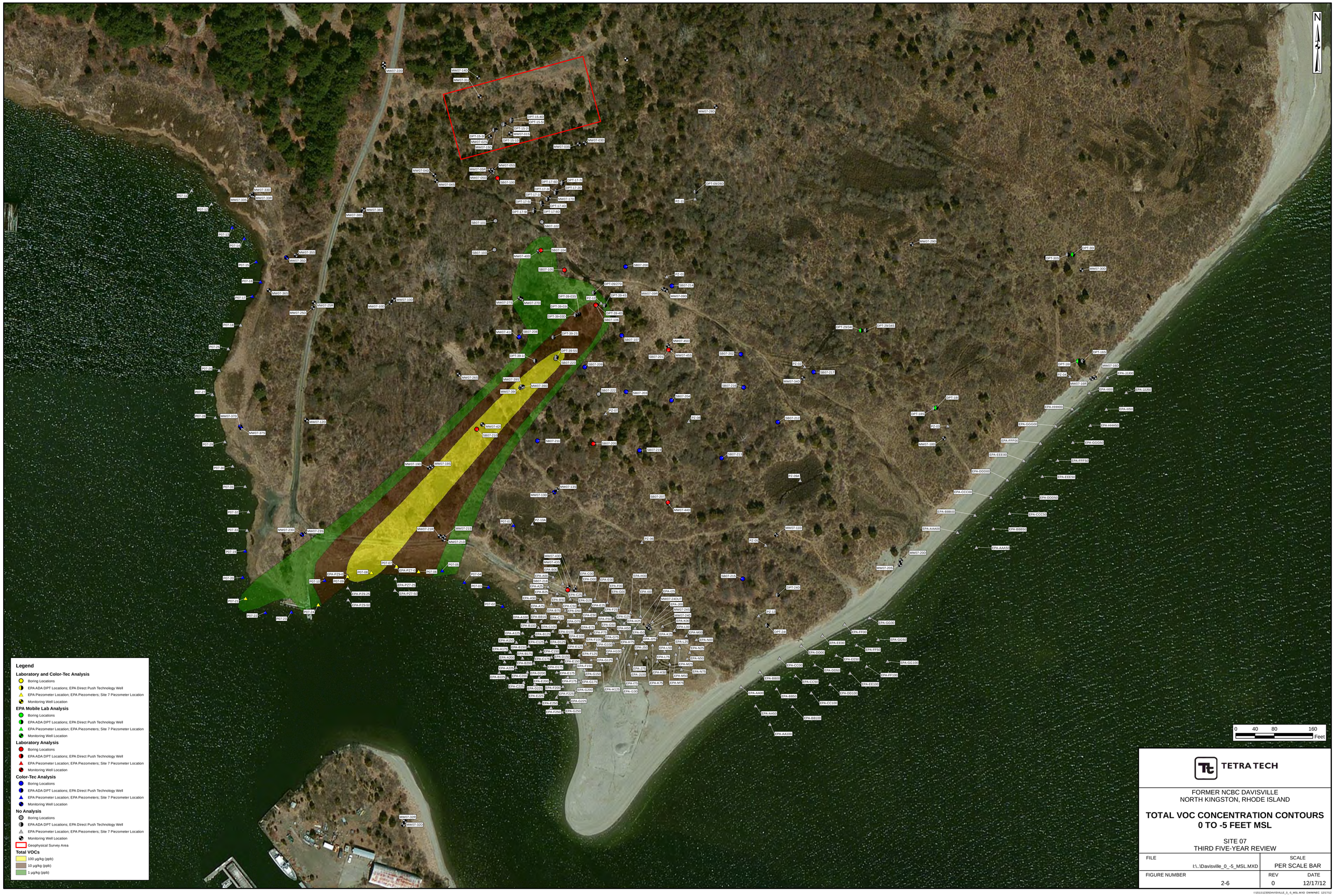

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS
0 TO -5 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE	
I:\..\Davisville_0_-5_MSL.MXD	PER SCALE BAR	
FIGURE NUMBER	REV	DATE
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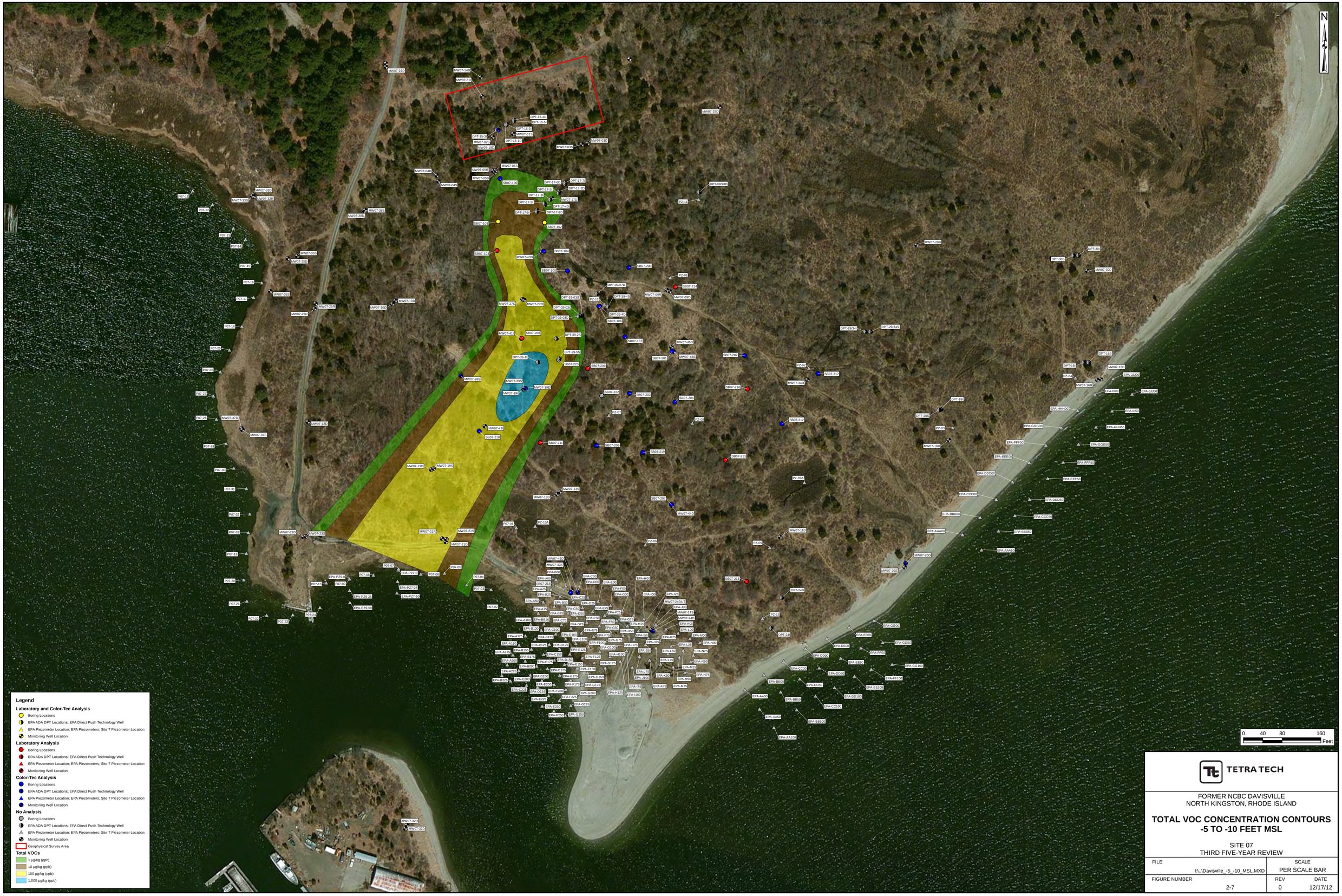
I:\1011\2230\DAVISVILLE_0_-5_MSL.MXD DWANNEC 12/17/12



TETRA TECH

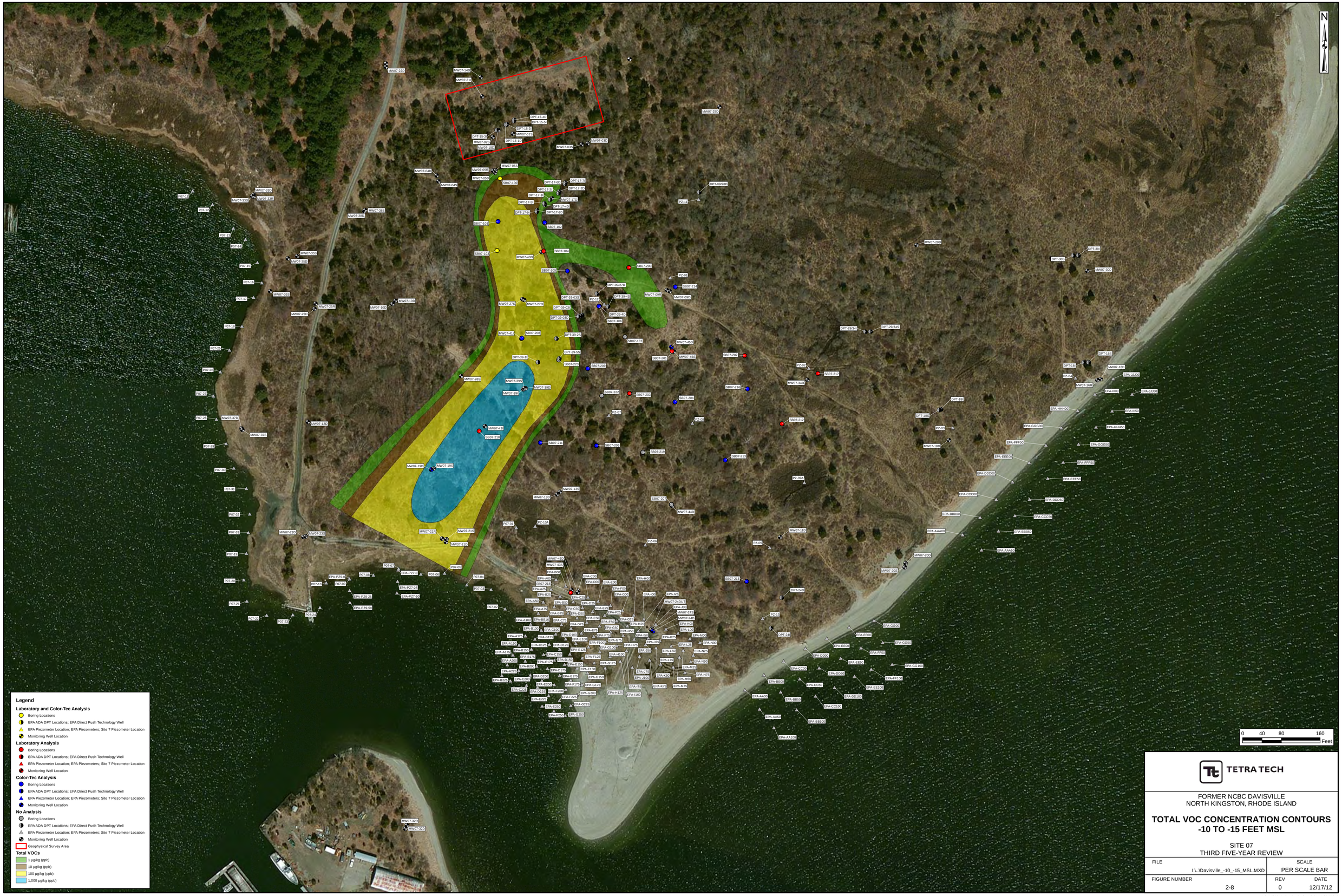
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -5 TO -10 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\Davisville_-5_-10_MSL.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-7	0 / 12/17/12

I:\15\12\230\DAVISVILLE_-5_-10_MSL.MXD DWM/NEC 12/17/12



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -10 TO -15 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\Davisville_-10_-15_MSL.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-8	0 / 12/17/12

I:\15131123\Davisville_-10_-15_MSL.MXD DWM/NEC 12/17/12

TETRA TECH

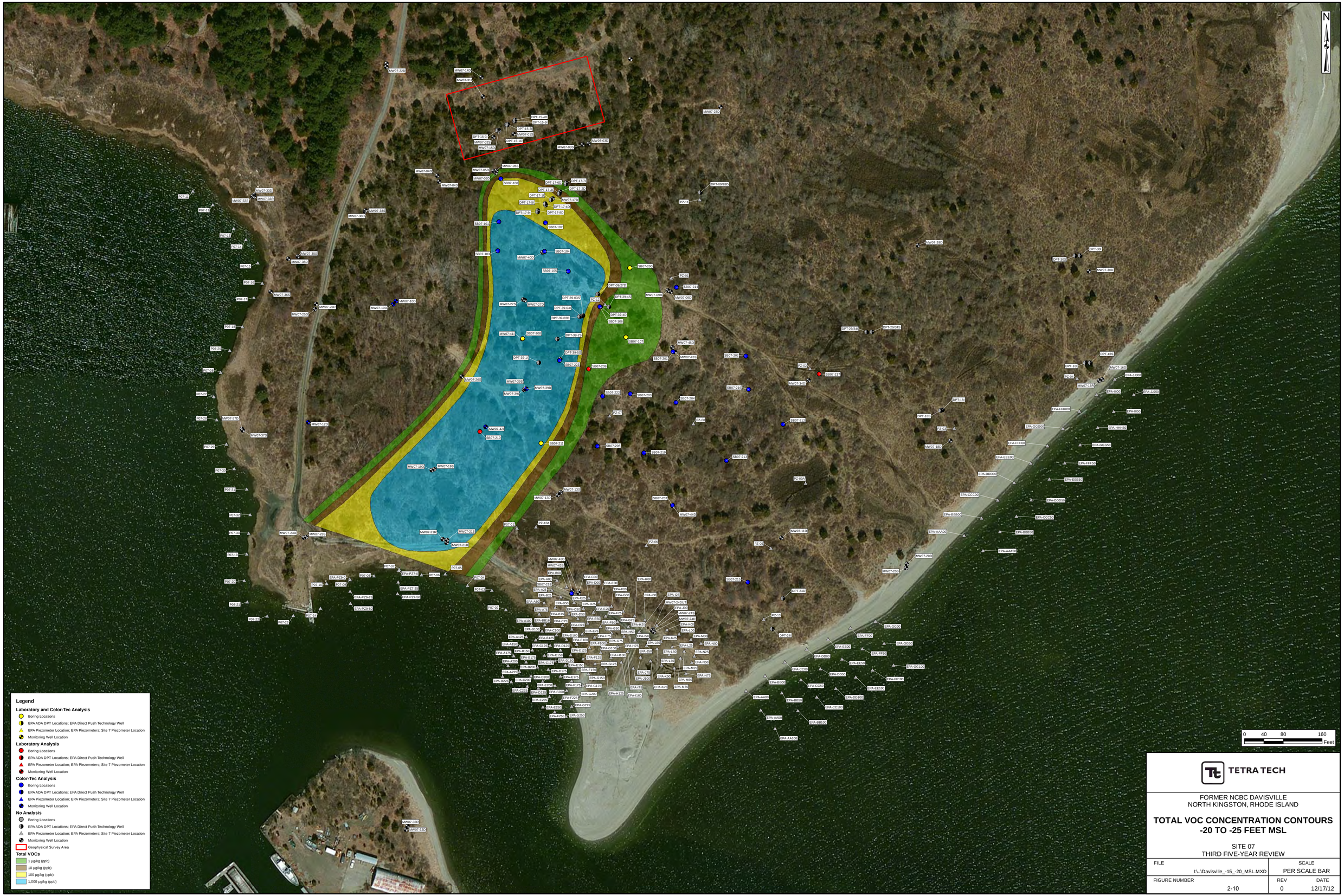
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -15 TO -20 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\Davisville_-15_-20_MSL.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-9	0 / 12/17/12

I:\15101230\Davisville_-15_-20_MSL.MXD DWM/NEC 12/17/12



TETRA TECH

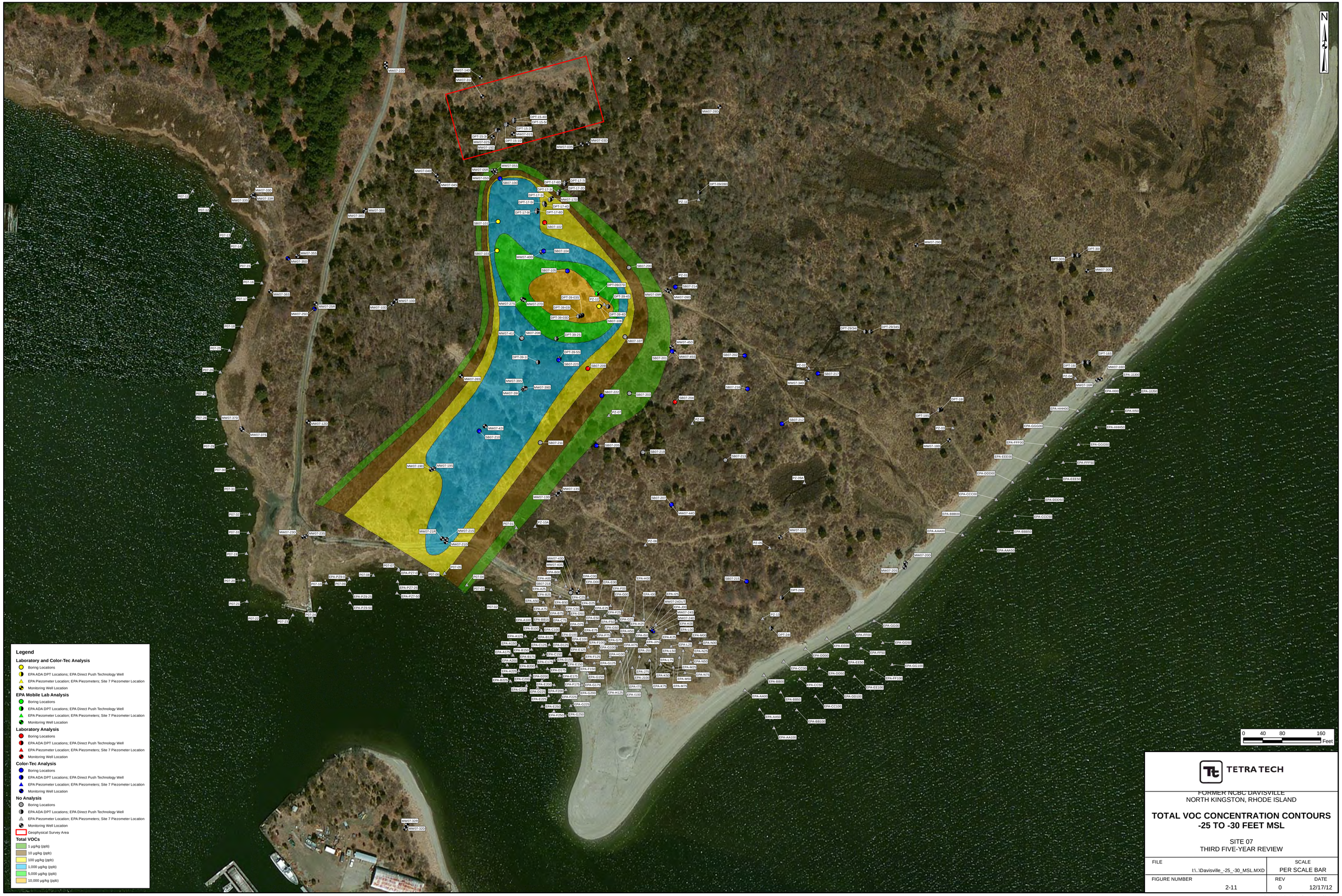
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -20 TO -25 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\Davisville_-15_-20_MSL.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-10	0 / 12/17/12

I:\1511\1230\Davisville_-20_-25_MSL.MXD DWM/NEC 12/17/12



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -25 TO -30 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\Davisville_-25_-30_MSL.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-11	0 / 12/17/12

I:\1511\1230\Davisville_-25_-30_MSL.MXD DWM/NEC 12/17/12

TETRA TECH

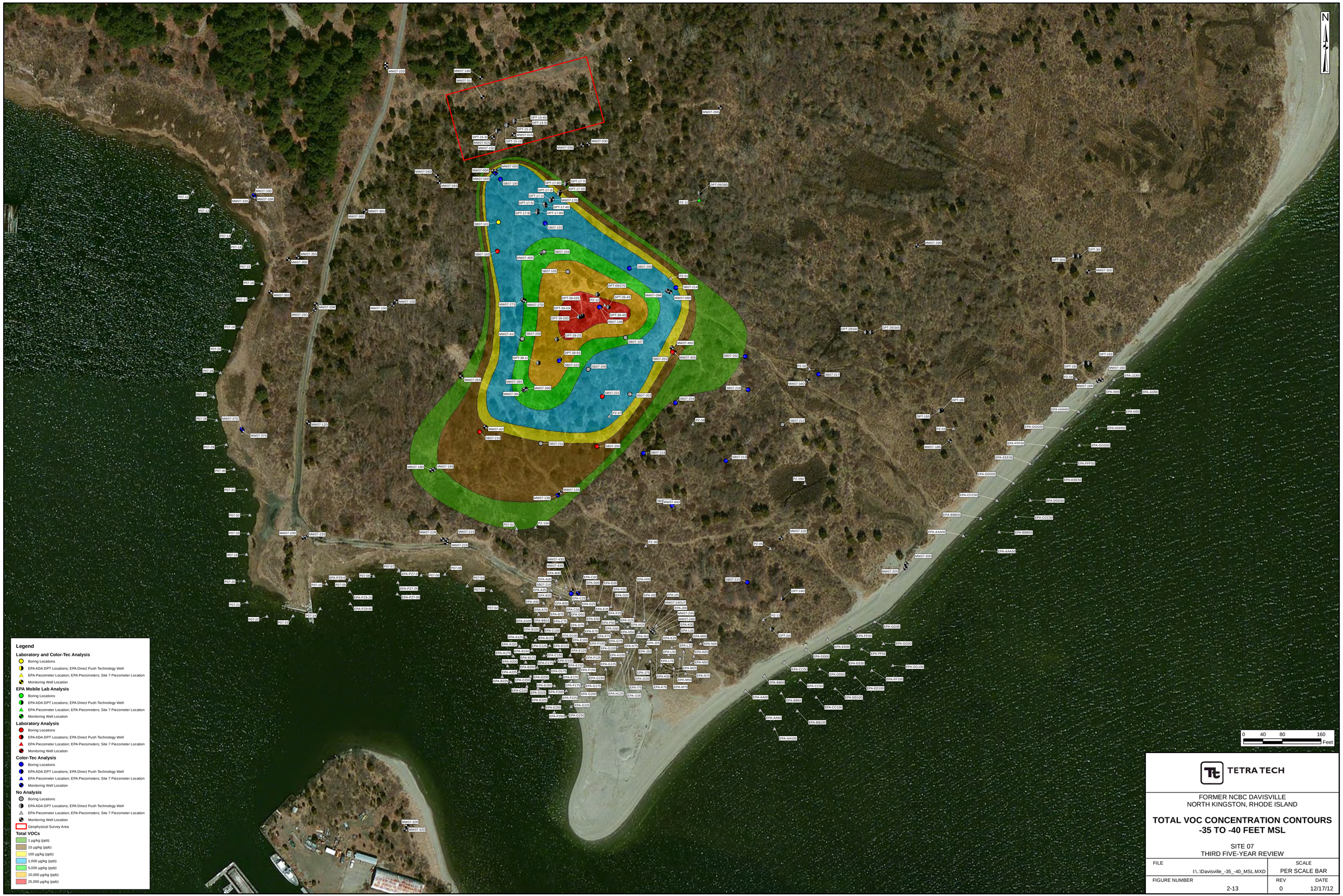
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -30 TO -35 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\...\Davisville_-30_-35_MSL.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-12	0 / 12/17/12

I:\1012123\Davisville_-30_-35_MSL.MXD DWMNHEC 12/17/12



TETRA TECH

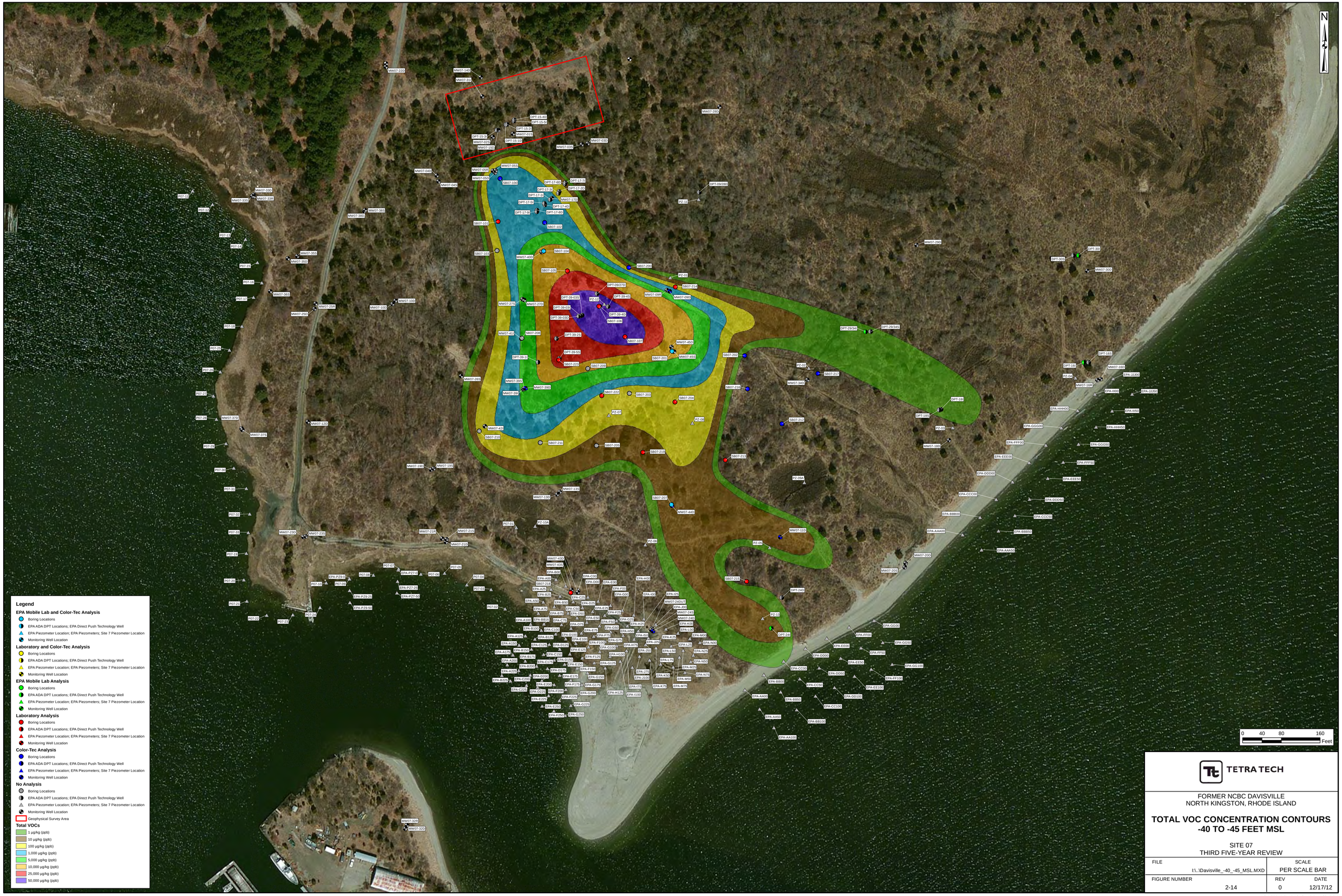
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -35 TO -40 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE	
I:\...\Davisville_-35_-40_MSL.MXD	PER SCALE BAR	
FIGURE NUMBER	REV	DATE
2-13	0	12/17/12

I:\1511\1230\Davisville_-35_-40_MSL.MXD DWMNEC 12/17/12



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

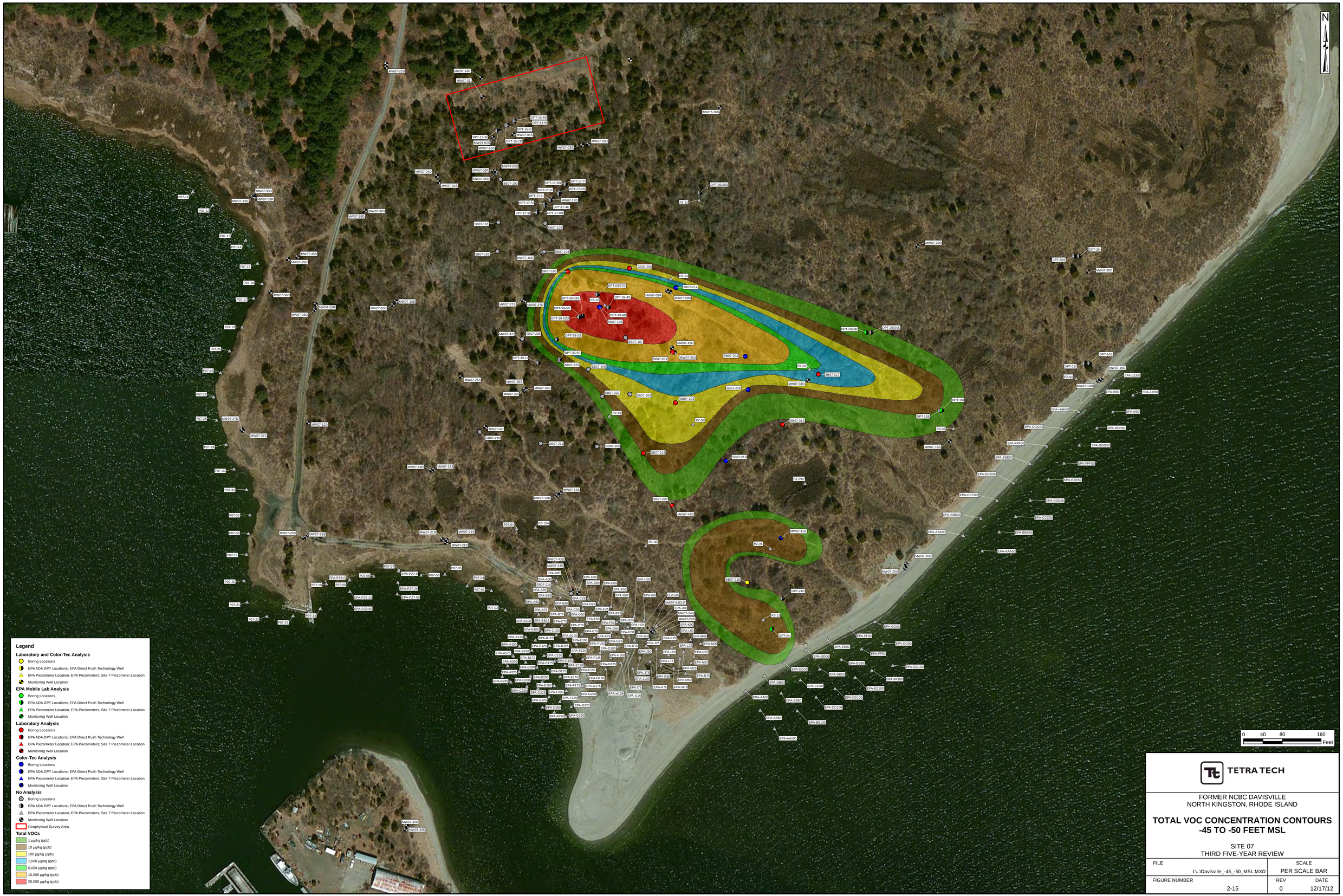
TOTAL VOC CONCENTRATION CONTOURS -40 TO -45 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\...\Davisville_-40_-45_MSL.MXD	PER SCALE BAR

FIGURE NUMBER	REV	DATE
2-14	0	12/17/12

I:\1012320\Davisville_-40_-45_MSL.MXD DWWNHC 12/17/12



TETRA TECH

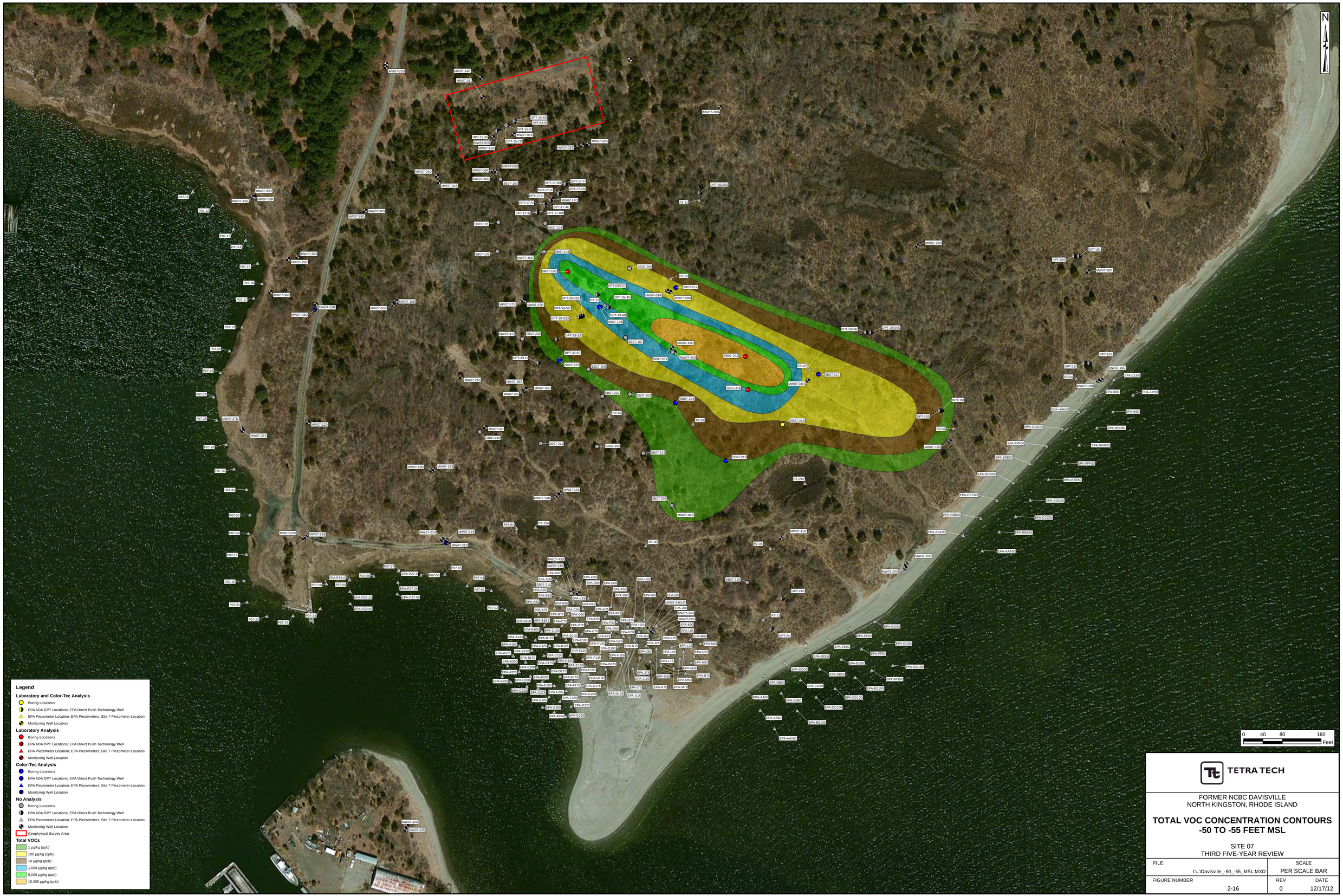
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -45 TO -50 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE	
I:\..\Davisville_-45_-50_MSL.MXD	PER SCALE BAR	
FIGURE NUMBER	REV	DATE
2-15	0	12/17/12

I:\1511\1230\Davisville_-45_-50_MSL.MXD DWMNEC 12/17/12



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -50 TO -55 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE	
I:\..\Davisville_-50_-55_MSL.MXD	PER SCALE BAR	
FIGURE NUMBER	REV	DATE
2-16	0	12/17/12

I:\15110230\Davisville_-50_-55_MSL.MXD DWM/NEC 12/17/12

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TOTAL VOC CONCENTRATION CONTOURS -55 TO -60 FEET MSL

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE	
I:\..\Davisville_-55_-60_MSL.MXD	PER SCALE BAR	
FIGURE NUMBER	REV	DATE
2-17	0	12/17/12

I:\15110230\Davisville_-55_-60_MSL.MXD DWM/NEC 12/17/12

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

SOIL CROSS-SECTION LOCATION MAP

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\DAVISVILLE_SITE7_SOIL_X-SECTION_LOC_MAP.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-18	0 / 12/18/12

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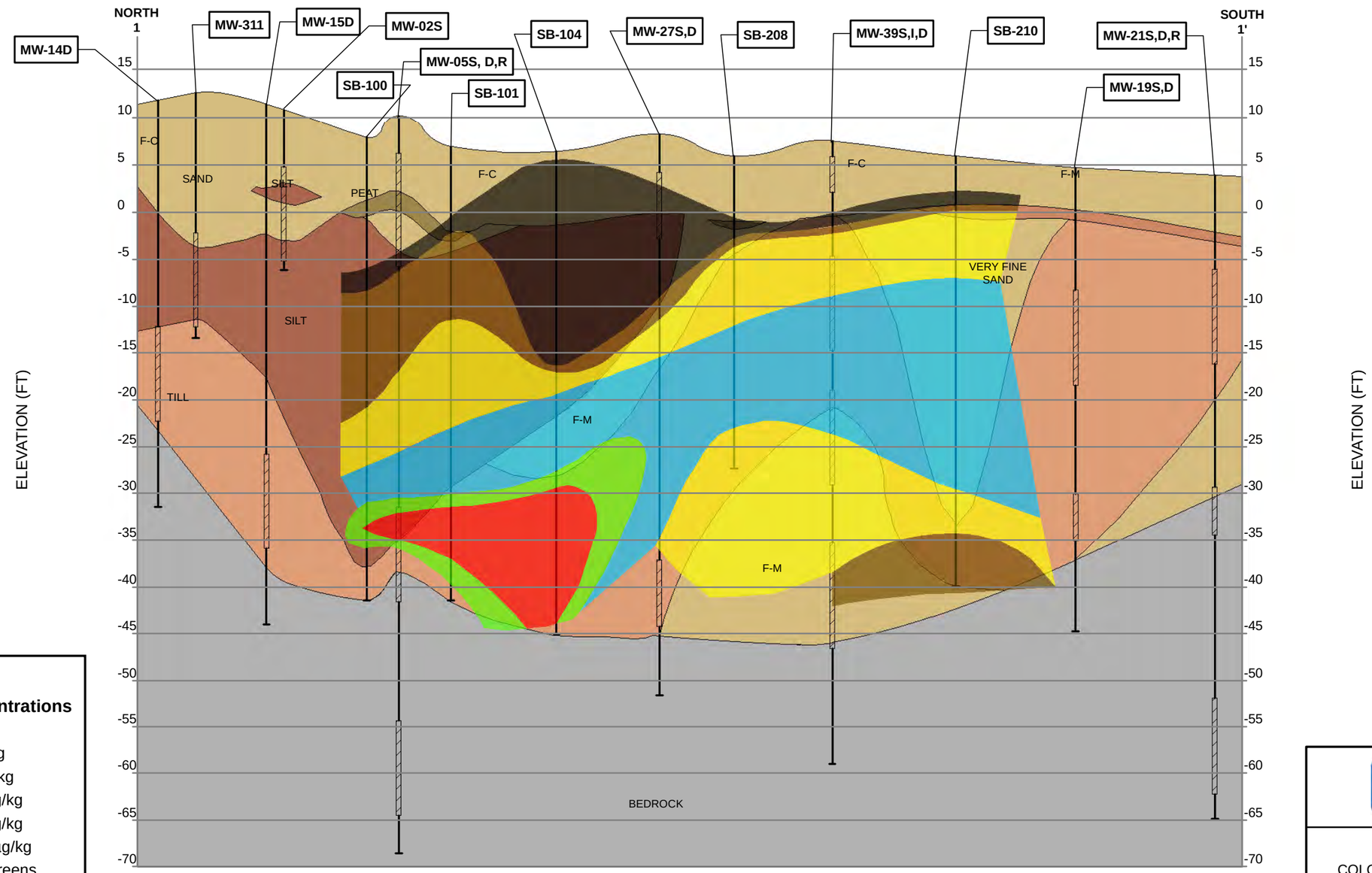
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_1-1'_COLOR_TEC.MXD 02/27/13 JN



N

Legend

Soil Concentrations

- 1 µg/kg
- 10 µg/kg
- 100 µg/kg
- 1000 µg/kg
- 5000 µg/kg
- 10000 µg/kg
- Well Screens
- Soil Borings
- Bedrock
- Peat
- Sand
- Sand & Gravel
- Silt
- Till

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE #1
COLOR-TEC SOIL VOC CONCENTRATION
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

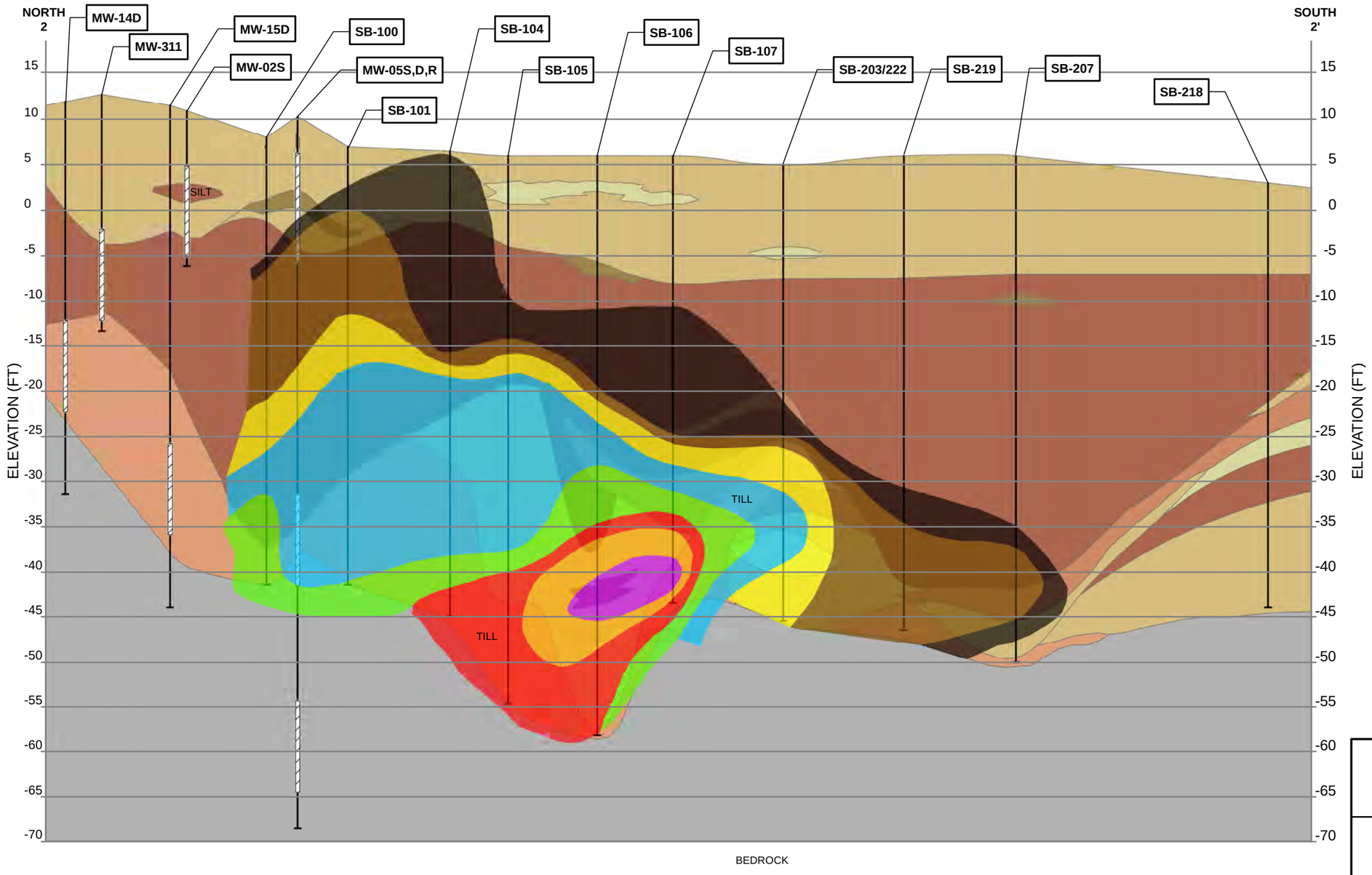
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 02/27/13
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ____

FIGURE NUMBER
2-19

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_2-2'_COLOR_TEC.MXD 12/12/12 JN



N

Legend

- Soil Borings
- Well Screens
- Bedrock
- Peat
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till

Soil Concentrations

- 1 µg/kg
- 10 µg/kg
- 100 µg/kg
- 1000 µg/kg
- 5000 µg/kg
- 10000 µg/kg
- 100000 µg/kg
- 1000000 µg/kg

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- MW-14D — Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE #2
COLOR-TEC SOIL VOC CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

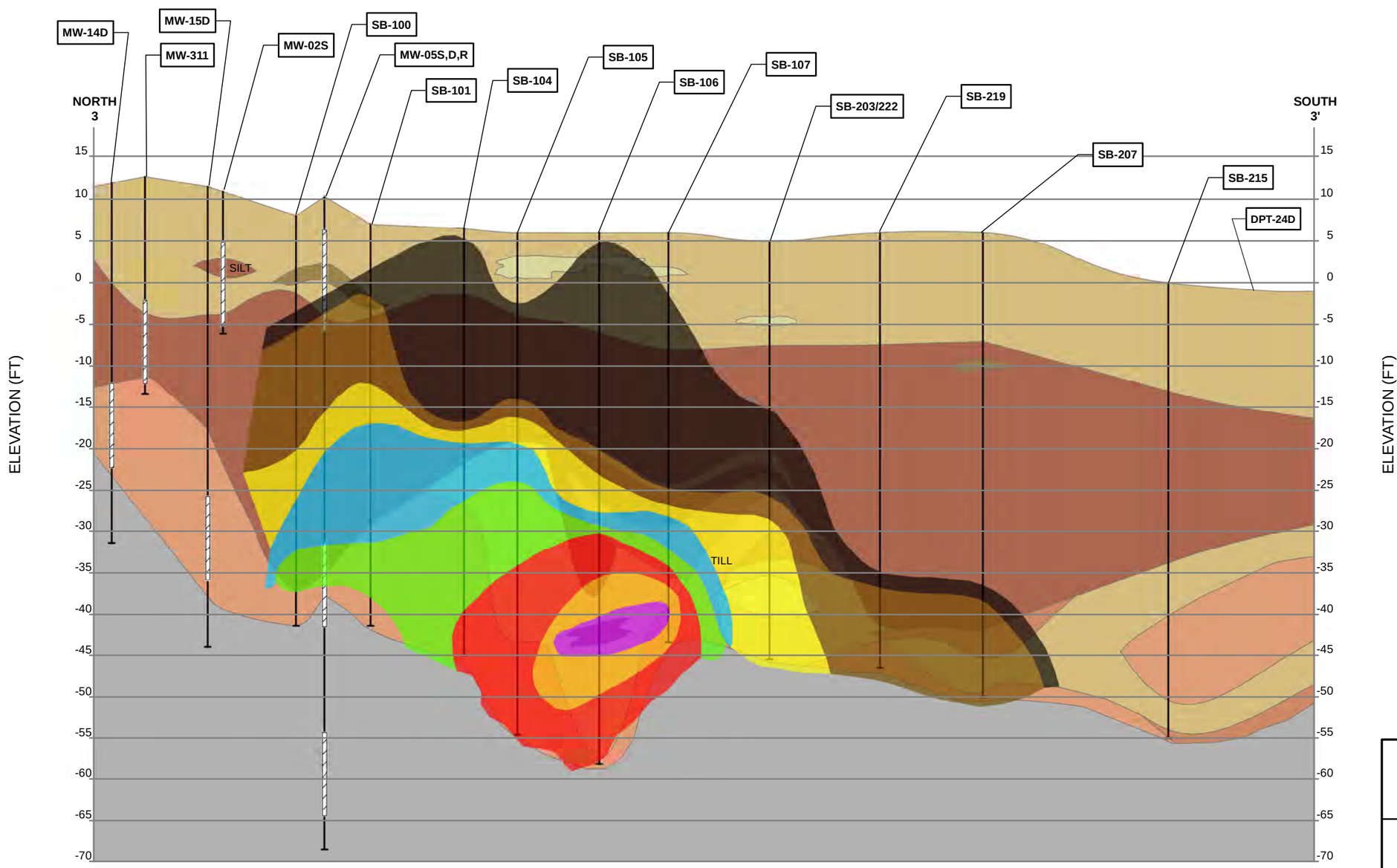
DRAWN BY: J. NOVAK 07/25/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ____

FIGURE NUMBER
2-20

REVISION
0

H P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_3-3'_COLOR_TEC.MXD 12/12/12 JN



N

Legend

- Soil Borings
- Well Screens
- Bedrock
- Peat
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till

Soil Concentrations

- 1 µg/kg
- 10 µg/kg
- 100 µg/kg
- 1000 µg/kg
- 5000 µg/kg
- 10000 µg/kg
- 100000 µg/kg
- 1000000 µg/kg

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- MW-14D — Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE #3
COLOR-TEC SOIL VOC CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/25/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ____

FIGURE NUMBER
2-21

REVISION
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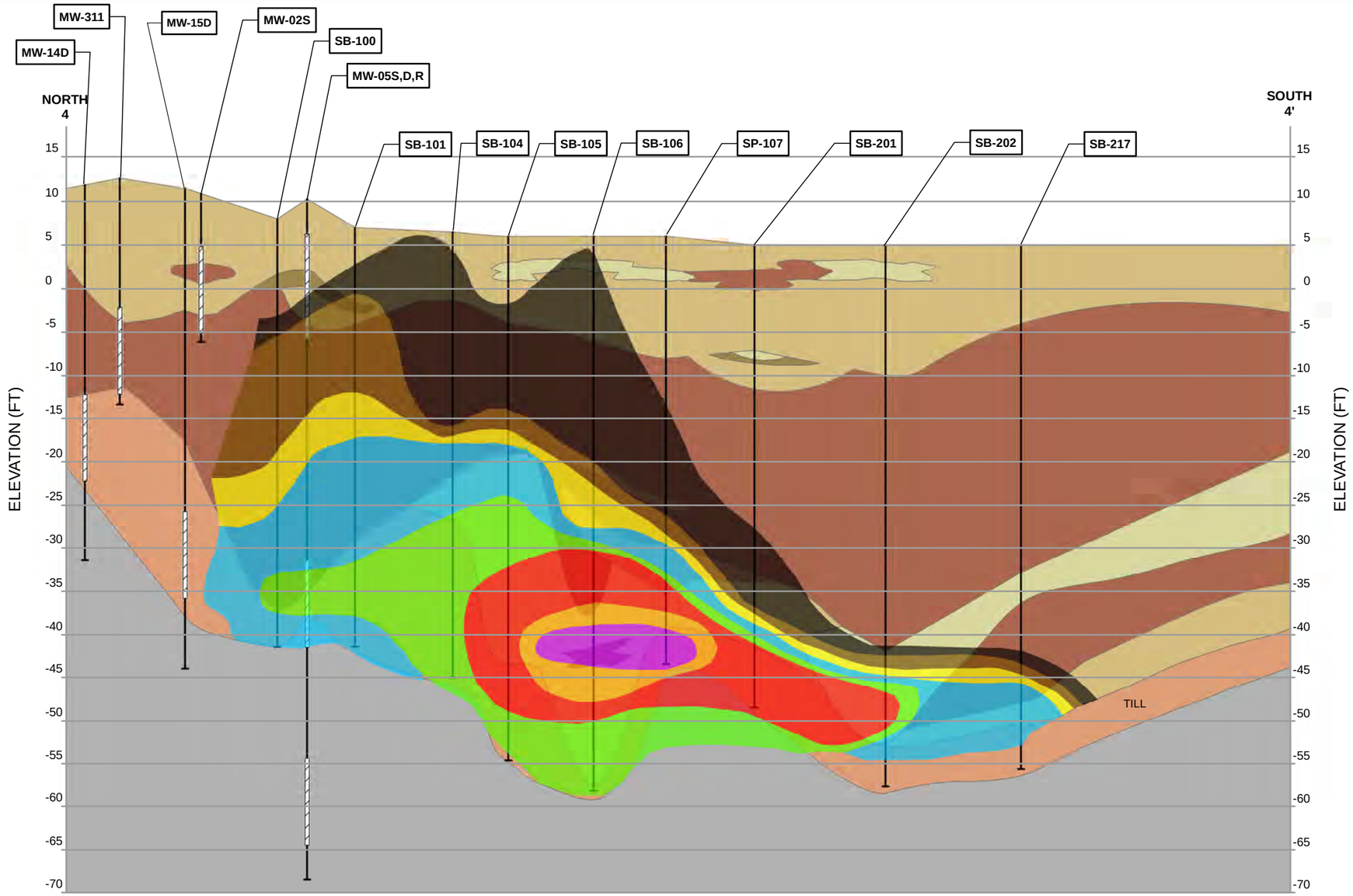
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_4-4'_COLOR_TEC.MXD 12/12/12 JN



N

Legend

- Soil Borings
- Well Screens
- Bedrock
- Peat
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till

Soil Concentrations

- 1 µg/kg
- 10 µg/kg
- 100 µg/kg
- 1000 µg/kg
- 5000 µg/kg
- 10000 µg/kg
- 100000 µg/kg
- 1000000 µg/kg

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- MW-14D — Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE #4
COLOR-TEC SOIL VOC CONCENTRATION
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

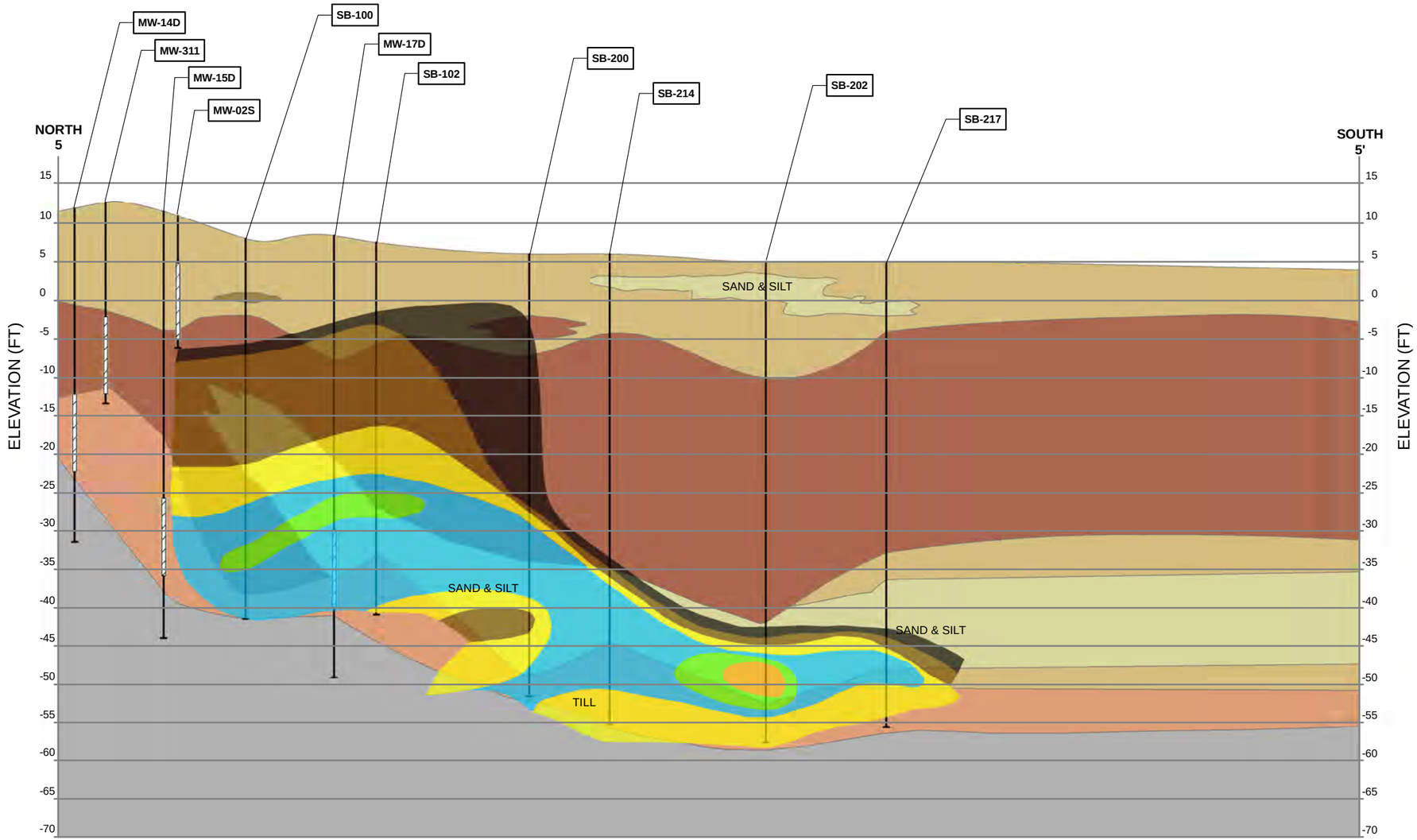
DRAWN BY: J. NOVAK 07/25/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ____

FIGURE NUMBER
2-22

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_5-5'_COLOR_TEC.MXD 12/12/12 JN



N

Legend

- Soil Borings
- Well Screens
- Bedrock
- Peat
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till

Soil Concentrations

- 1 µg/kg
- 10 µg/kg
- 100 µg/kg
- 1000 µg/kg
- 5000 µg/kg
- 10000 µg/kg
- 100000 µg/kg
- 1000000 µg/kg

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- MW140 — Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE #5
COLOR-TEC SOIL VOC CONCENTRATION
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/25/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ____

FIGURE NUMBER
2-23

REVISION
0

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

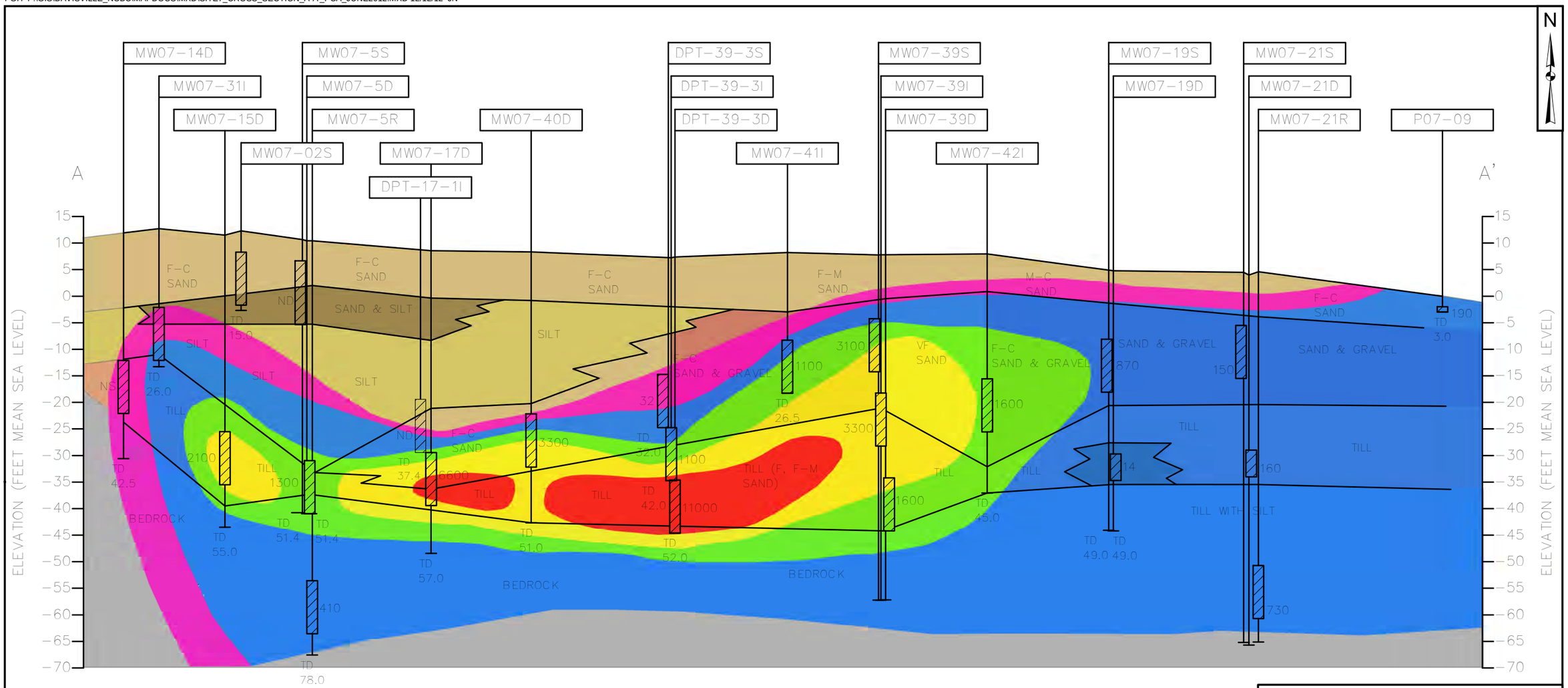
GROUNDWATER CROSS-SECTION LOCATION MAP

SITE 07
THIRD FIVE-YEAR REVIEW

FILE	SCALE
I:\..\DAVISVILLE_SITE7_GW_X-SECTION_LOC_MAP.MXD	PER SCALE BAR
FIGURE NUMBER	REV / DATE
2-24	0 / 12/17/12

I:\018120452\DAVISVILLE_SITE7_GW_X-SECTION_LOC_MAP.MXD DWM 12/17/12

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_A-A'_PCA_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID (MW-14D)
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil Boring
- Well Screens
- 10 ug/L
- 100 ug/L
- 1000 ug/L
- 2000 ug/L
- 5000 ug/L
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
1, 1, 2, 2 - PCA CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

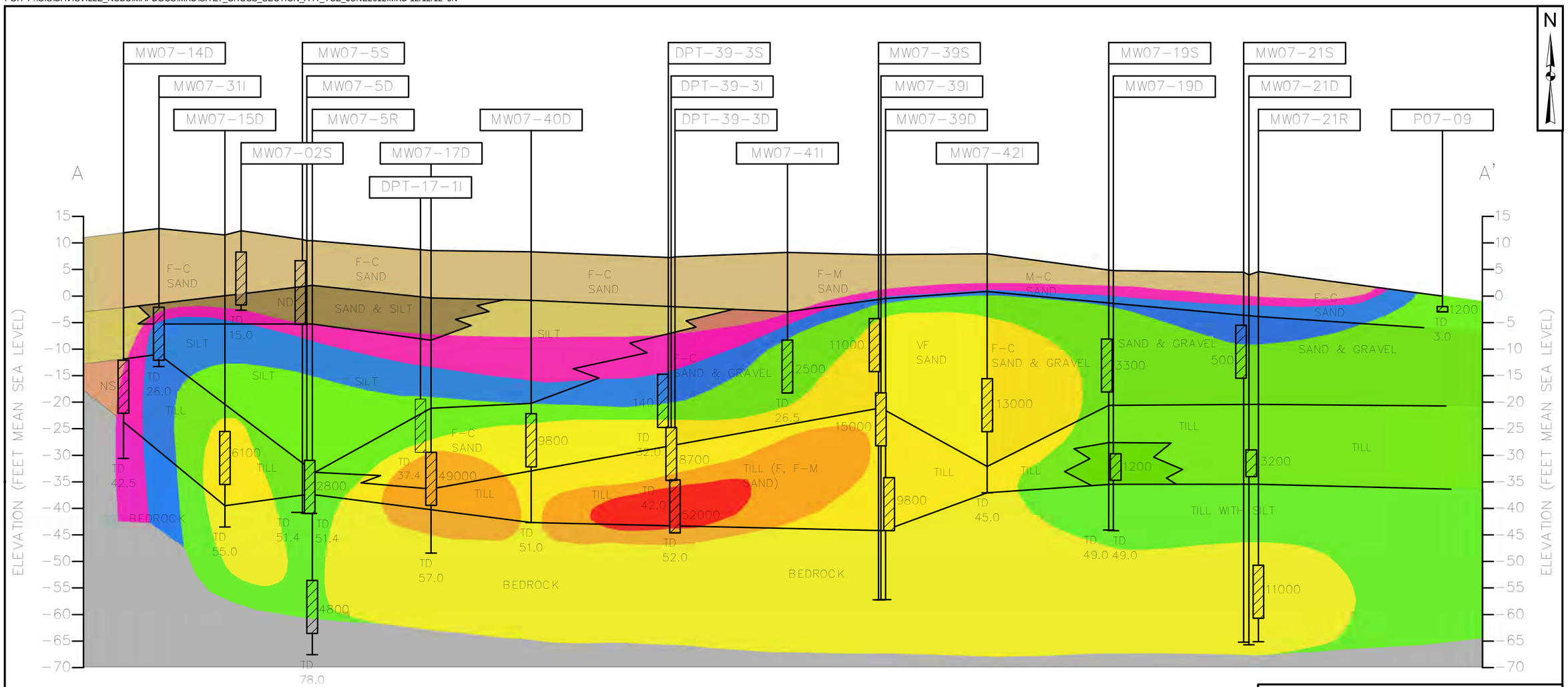
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-25

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_A-A'_TCE_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID (MW-14D)
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil Boring
- Well Screens
- 5 ug/L
- 50 ug/L
- 500 ug/L
- 5000 ug/L
- 20000 ug/L
- 50000 ug/L
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
TCE CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-26

REVISION
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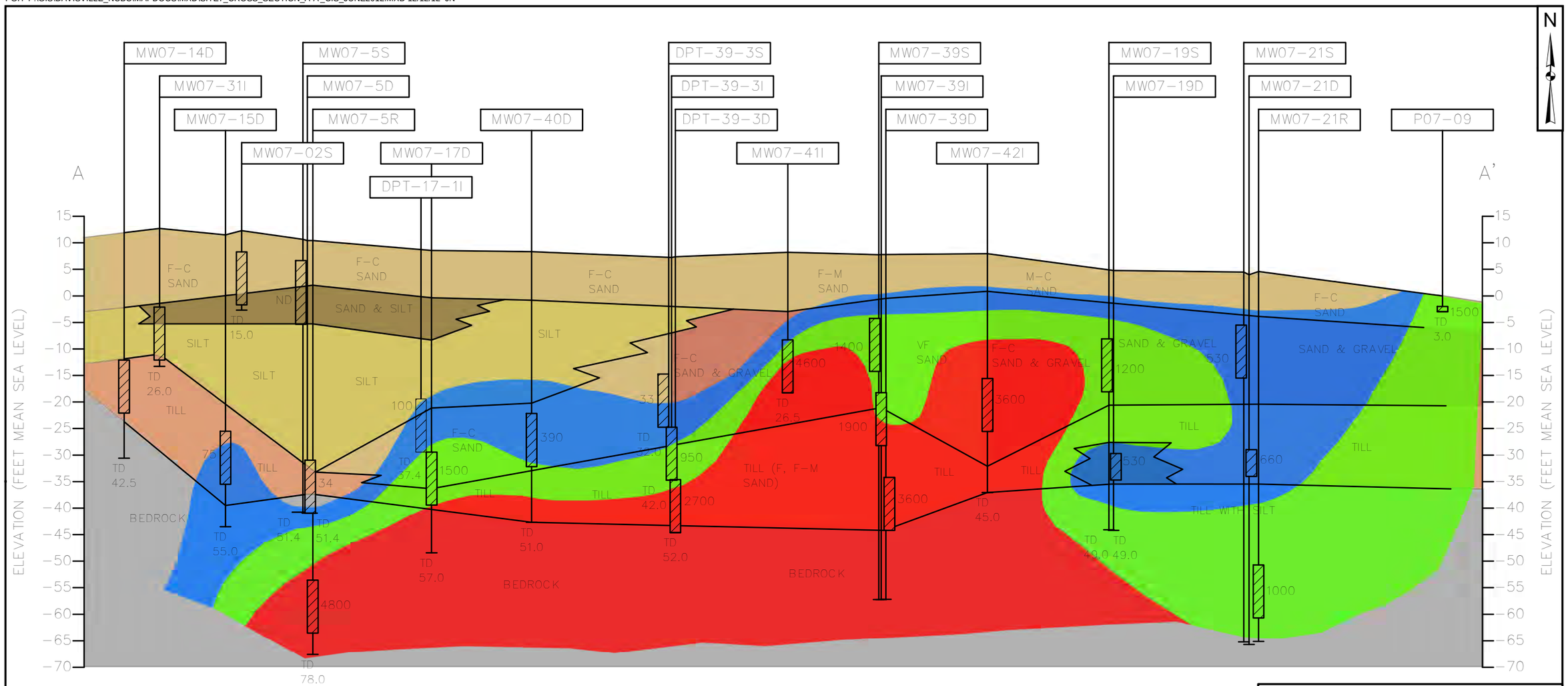
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_A-A'_CIS_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID (MW-14D)
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil Boring
- Well Screens
- 70 ug/L
- 700 ug/L
- 2000 ug/L
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
CIS 1, 2 - DCE CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-27

REVISION
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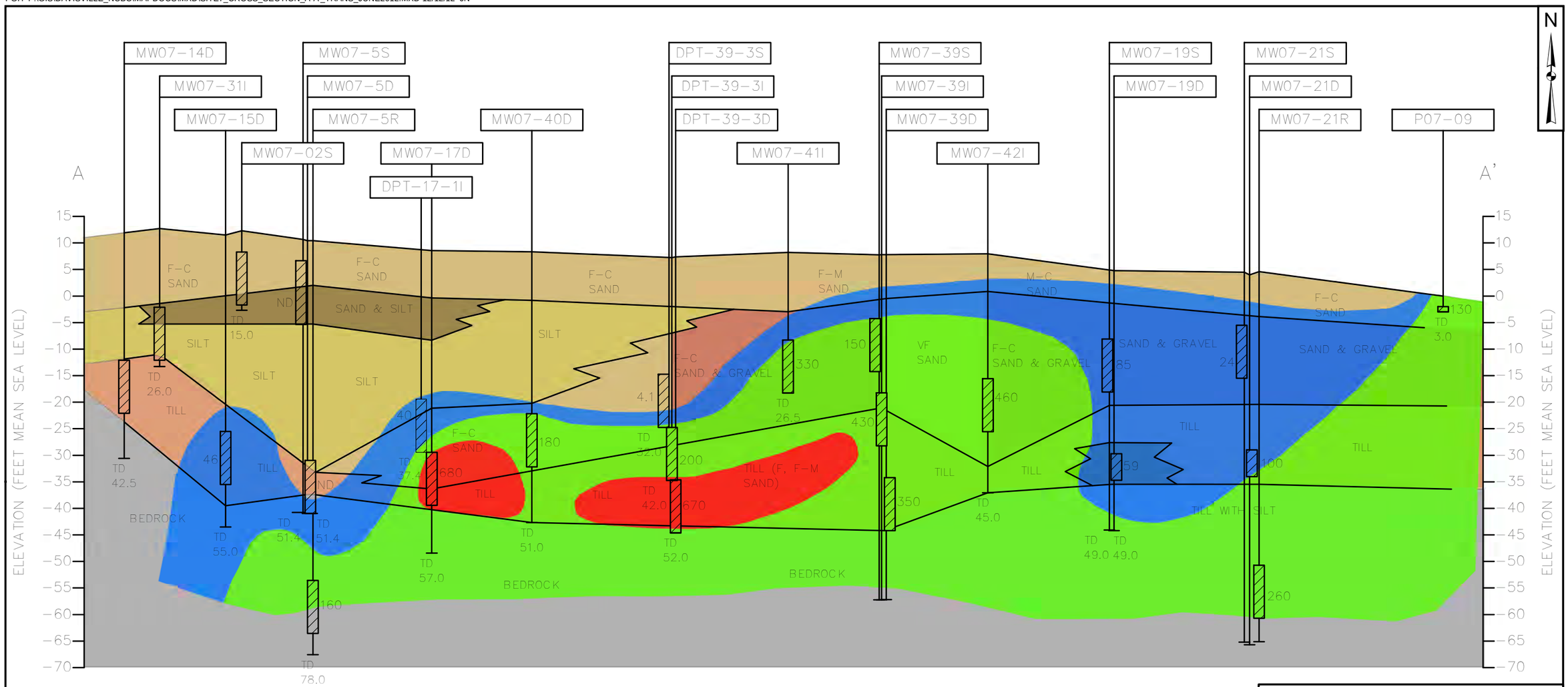
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_A-A'_TRANS_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil Boring
- Well Screens
- 10 ug/L
- 100 ug/L
- 500 ug/L
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
TRANS 1, 2 - DCE CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

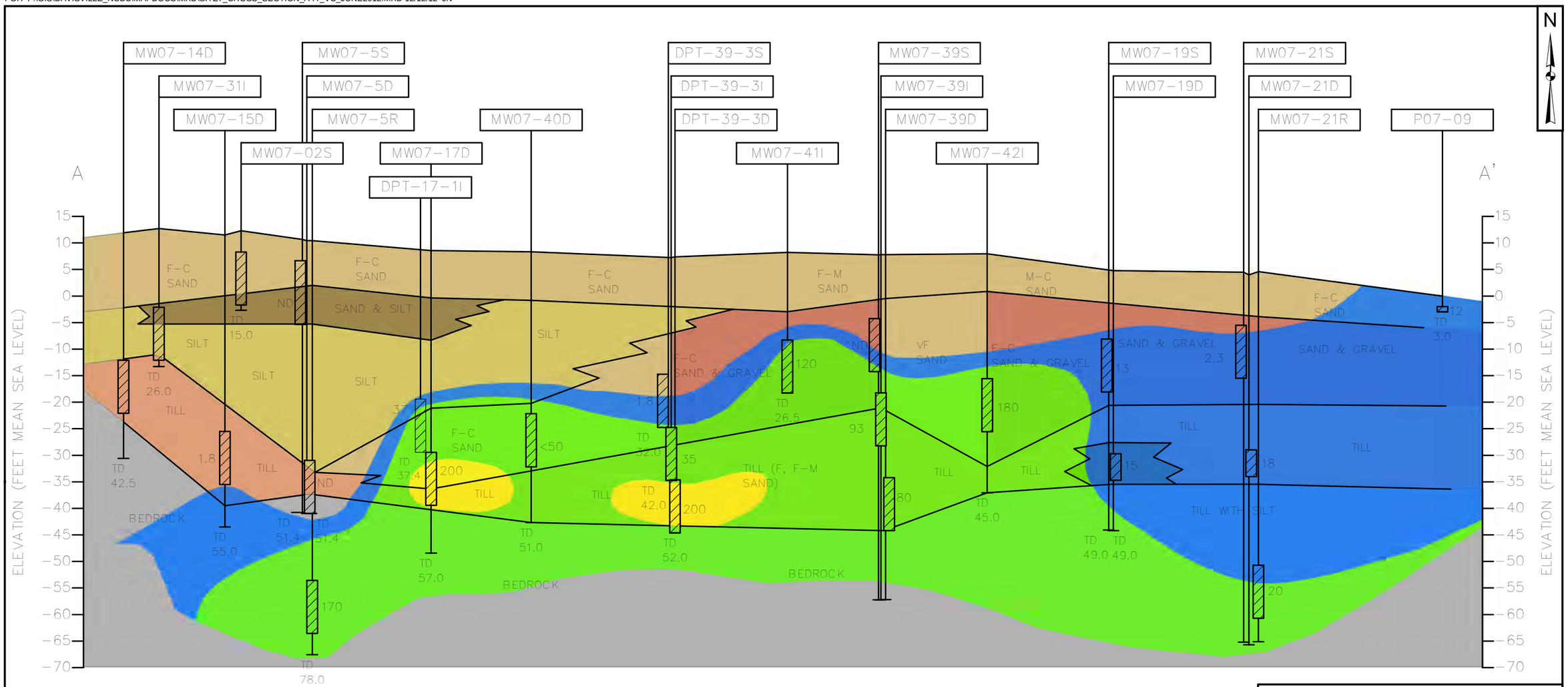
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-28

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_A-A'_VC_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- MW-14D — Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil Boring
- Well Screens
- 2 ug/L
- 20 ug/L
- 200 ug/L
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
VC CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

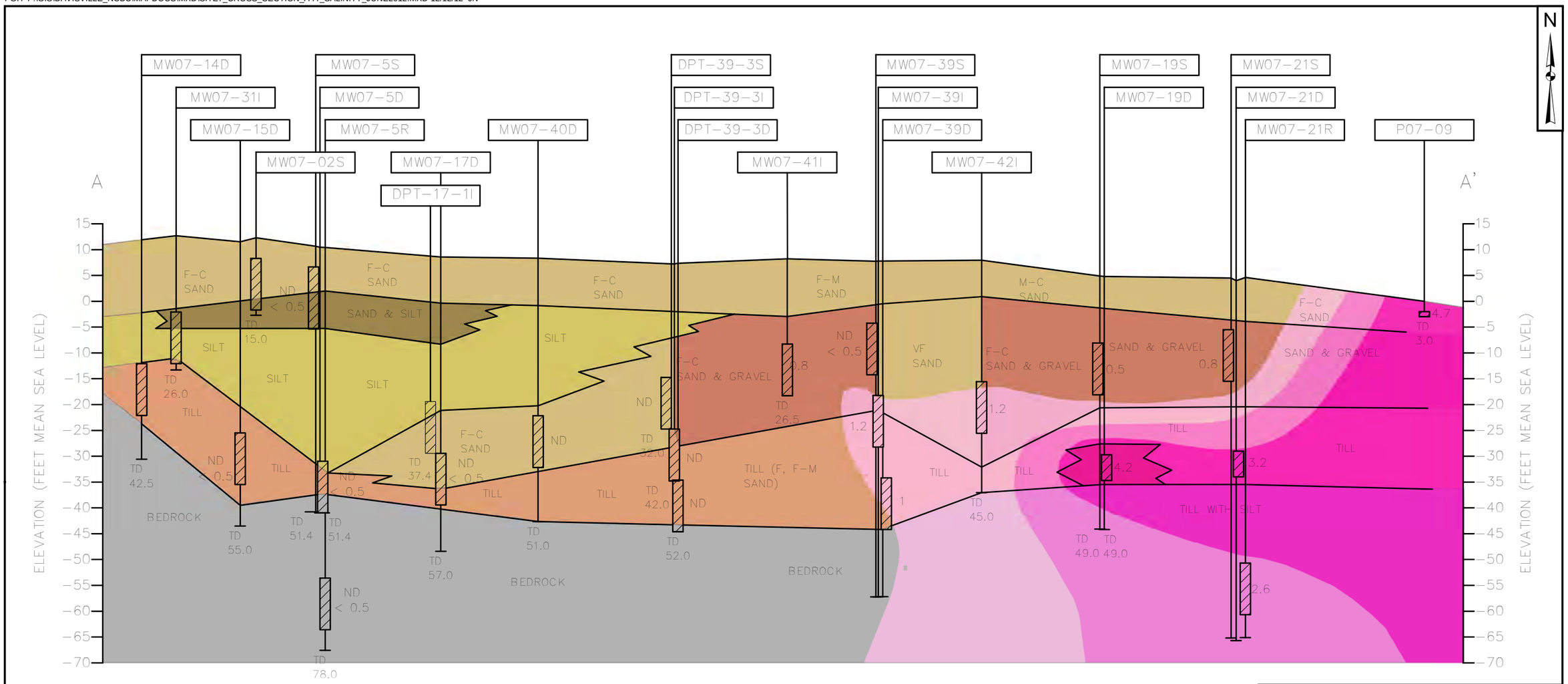
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-29

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_A-A'_SALINITY_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID (MW-14D)
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil Boring
- Well Screens
- 1 µg/kg
- 2 µg/kg
- 3 µg/kg
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
SALINITY
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-30

REVISION
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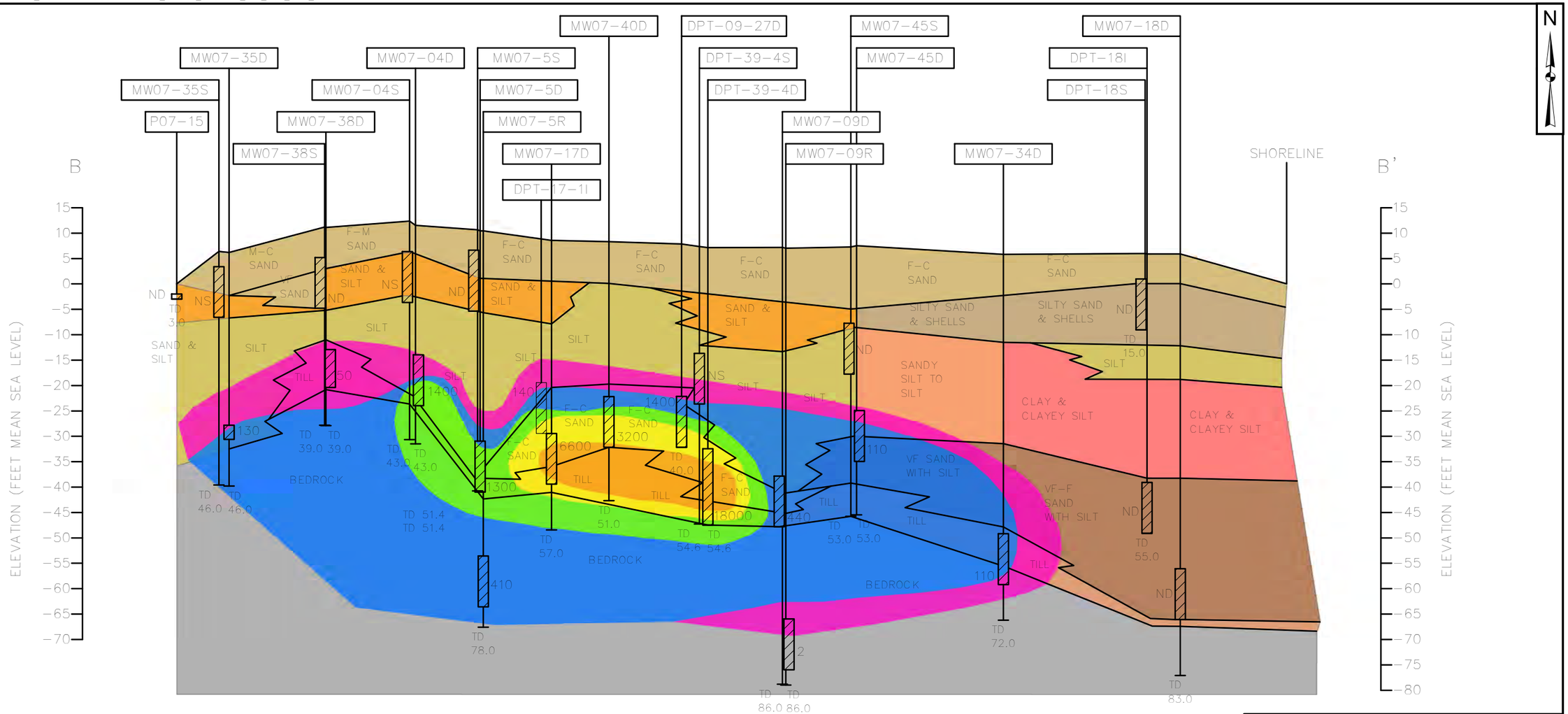
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_B-B'_PCA_CON_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil_Boring
- Well Screens
- 10 ug/L
- 100 ug/L
- 1000 ug/L
- 2000 ug/L
- 5000 ug/L
- Bedrock
- Clay & Clayey Silt
- Sand
- Sand & Silt
- Sand with Silt
- Sandy Silt to Silt
- Silt
- Silty Sand & Shells
- Till

TETRA TECH

CROSS SECTION LINE B
1, 1, 2, 2 -PCA CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-31

REVISION
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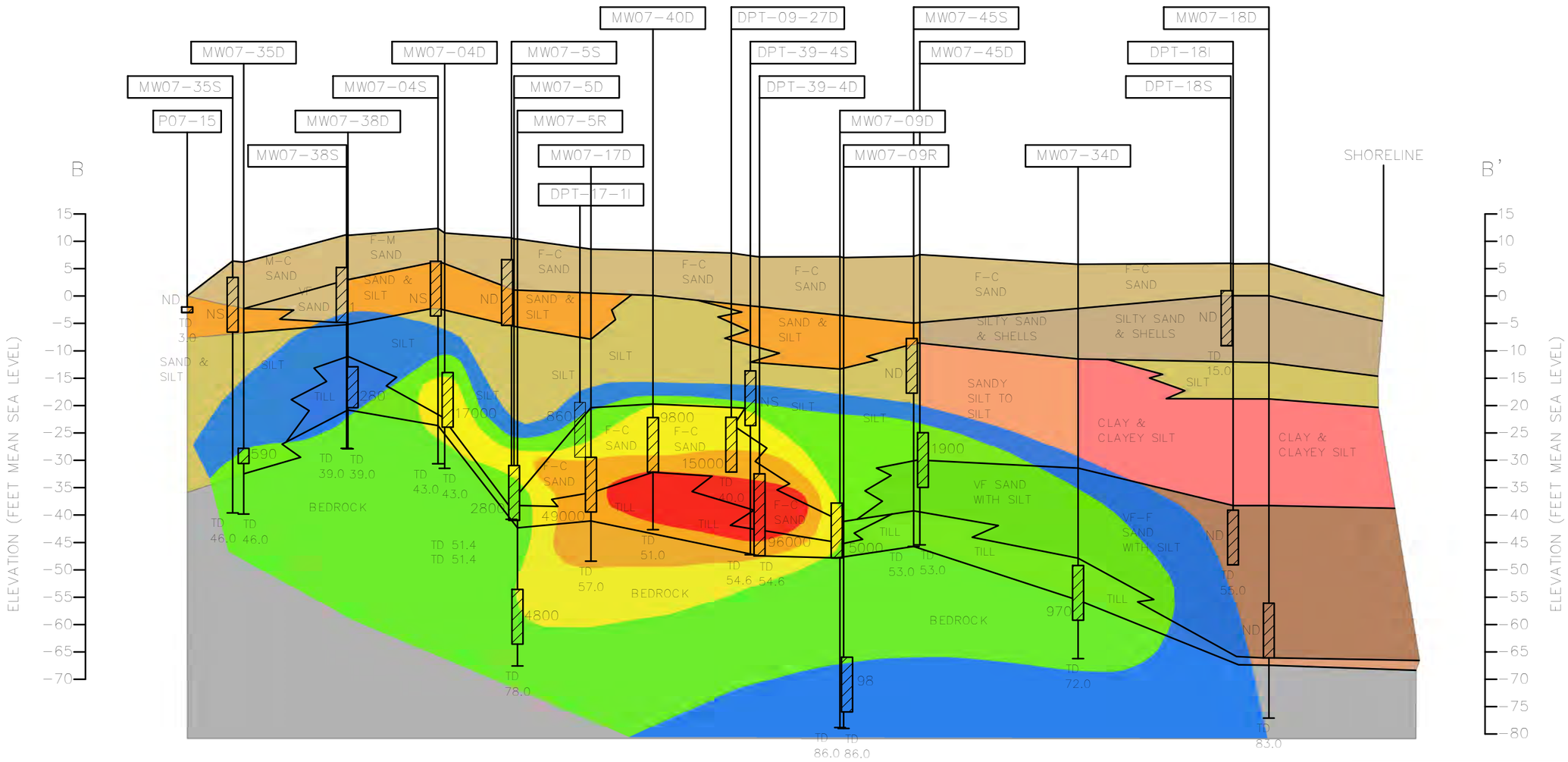
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_B-B'_TCE_CON_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil_Boring
- Well Screens
- 5 ug/L
- 50 ug/L
- 500 ug/L
- 5000 ug/L
- 20000 ug/L
- 50000 ug/L
- Bedrock
- Clay & Clayey Silt
- Sand
- Sand & Silt
- Sand with Silt
- Sandy Silt to Silt
- Silt
- Silty Sand & Shells
- Till

TETRA TECH

CROSS SECTION LINE B
TCE CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

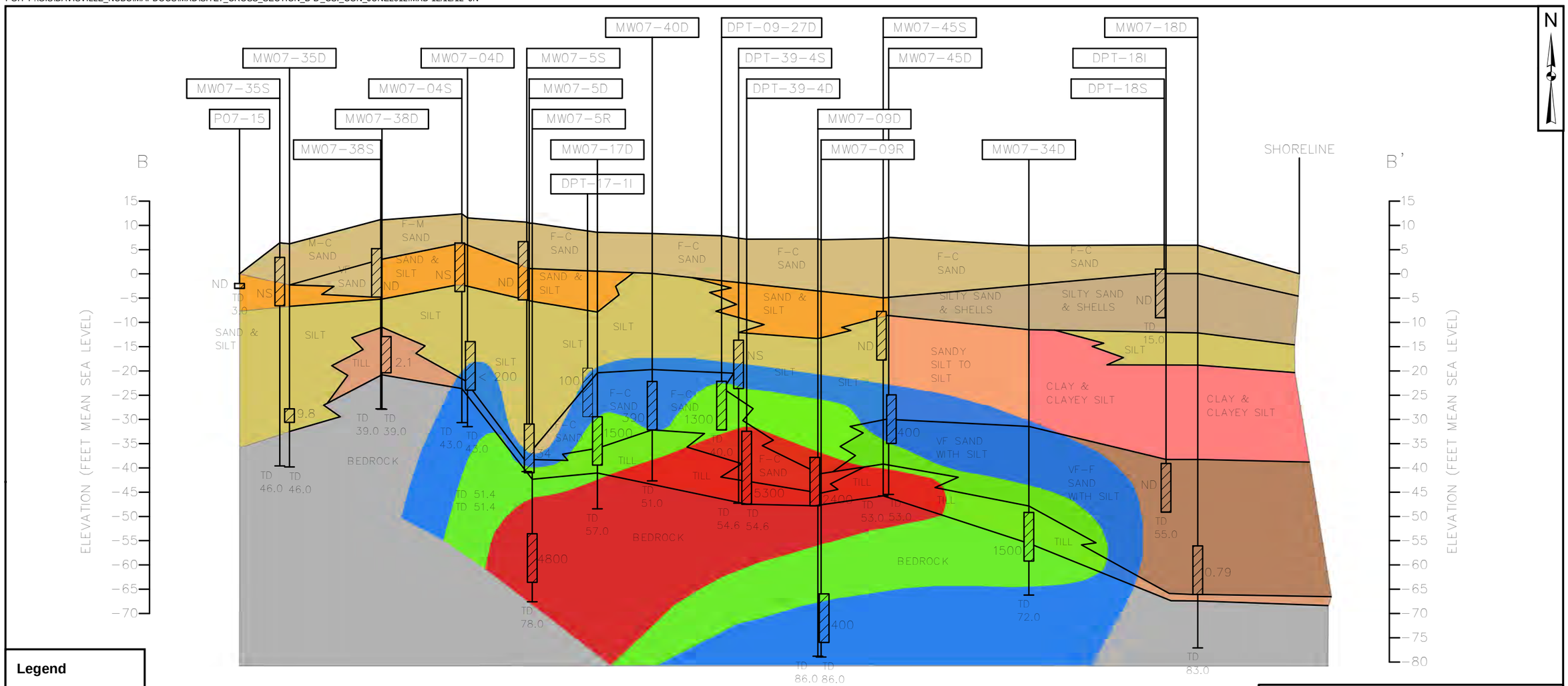
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-32

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_B-B'_CSI_CON_JUNE2012.MXD 12/12/12 JN



Legend

- Soil_Boring
- Well Screens
- 70 ug/L
- 700 ug/L
- 2000 ug/L
- Bedrock
- Clay & Clayey Silt
- Sand
- Sand & Silt
- Sand with Silt
- Sandy Silt to Silt
- Silt
- Silty Sand & Shells
- Till

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE B
CIS 1,2 -DCE CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-33

REVISION
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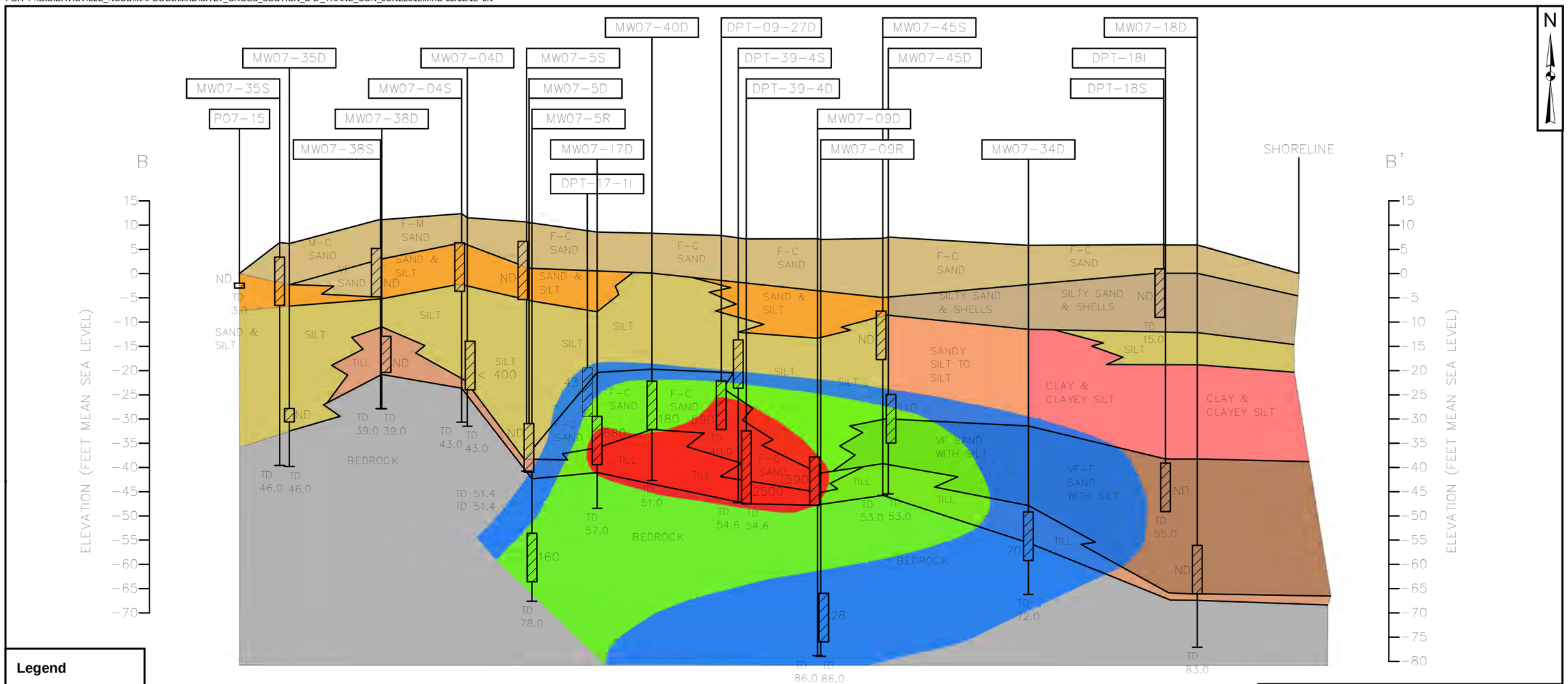
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_B-B'_TRANS_CON_JUNE2012.MXD 12/12/12 JN



Legend

- Soil_Boring
- Well Screens
- 10 ug/L
- 100 ug/L
- 500 ug/L
- Bedrock
- Clay & Clayey Silt
- Sand
- Sand & Silt
- Sand with Silt
- Sandy Silt to Silt
- Silt
- Silty Sand & Shells
- Till

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE B
TRANS 1,2 -DCE CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

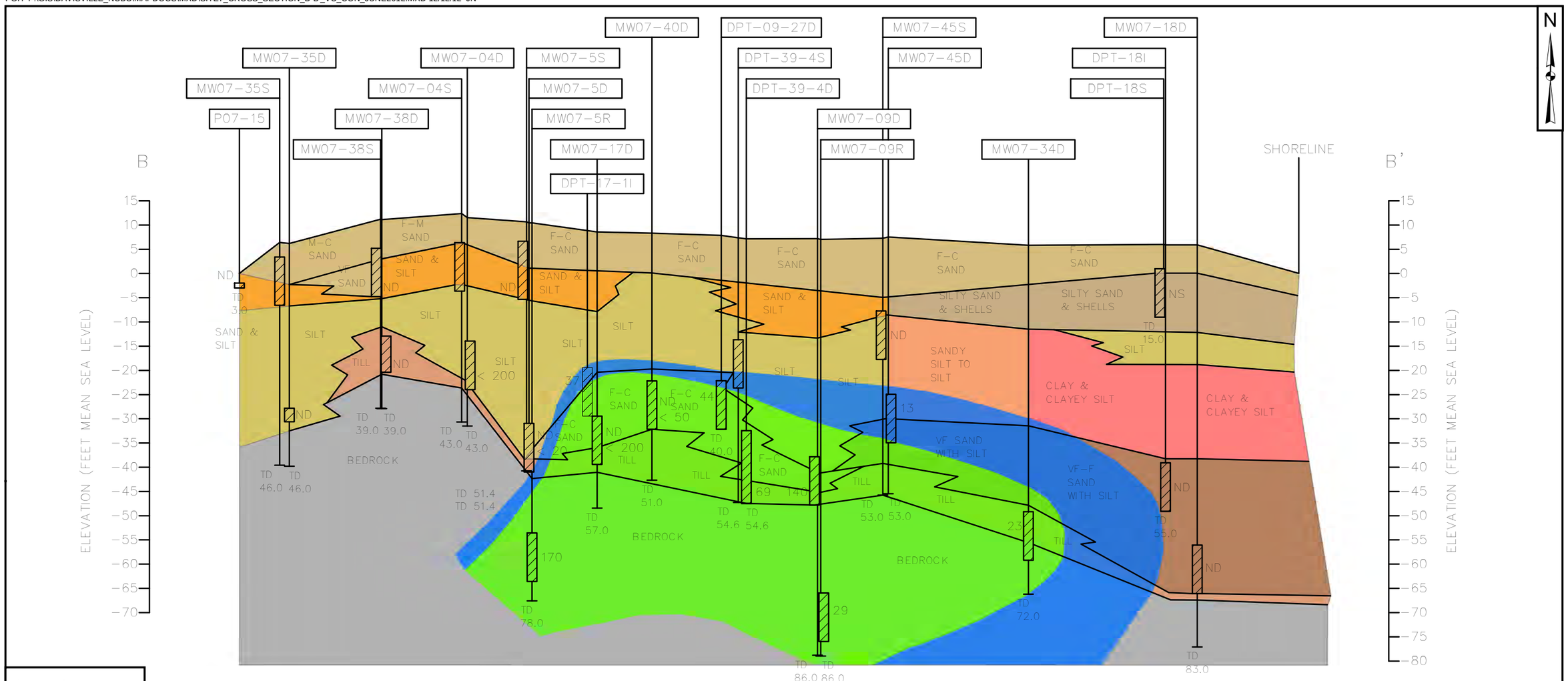
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-34

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_B-B'_VC_CON_JUNE2012.MXD 12/12/12 JN



Legend

- Soil_Boring
- Well Screens
- 2 ug/L
- 20 ug/L
- Bedrock
- Clay & Clayey Silt
- Sand
- Sand & Silt
- Sand with Silt
- Sandy Silt to Silt
- Silt
- Silty Sand & Shells
- Till

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

TETRA TECH

CROSS SECTION LINE B
VC CONCENTRATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

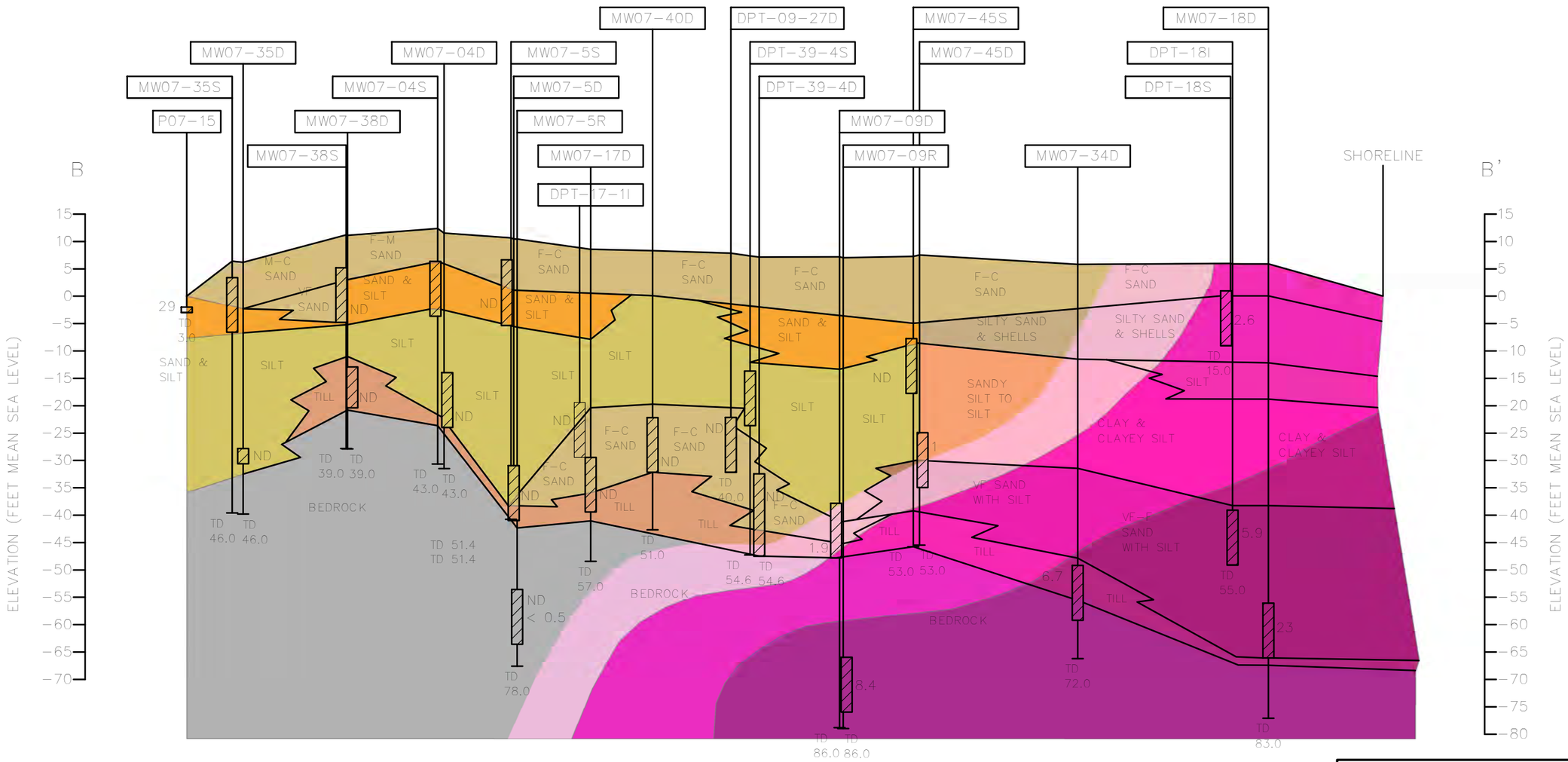
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-35

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_CROSS_SECTION_B-B'_SALINITY_CON_JUNE2012.MXD 12/12/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Soil_Boring
- Well Screens
- 1 µg/kg
- 2 µg/kg
- 5 µg/kg
- Bedrock
- Clay & Clayey Silt
- Sand
- Sand & Silt
- Sand with Silt
- Sandy Silt to Silt
- Silt
- Silty Sand & Shells
- Till

TETRA TECH

CROSS SECTION LINE B
SALINITY
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 12/12/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE NUMBER
2-36

REVISION
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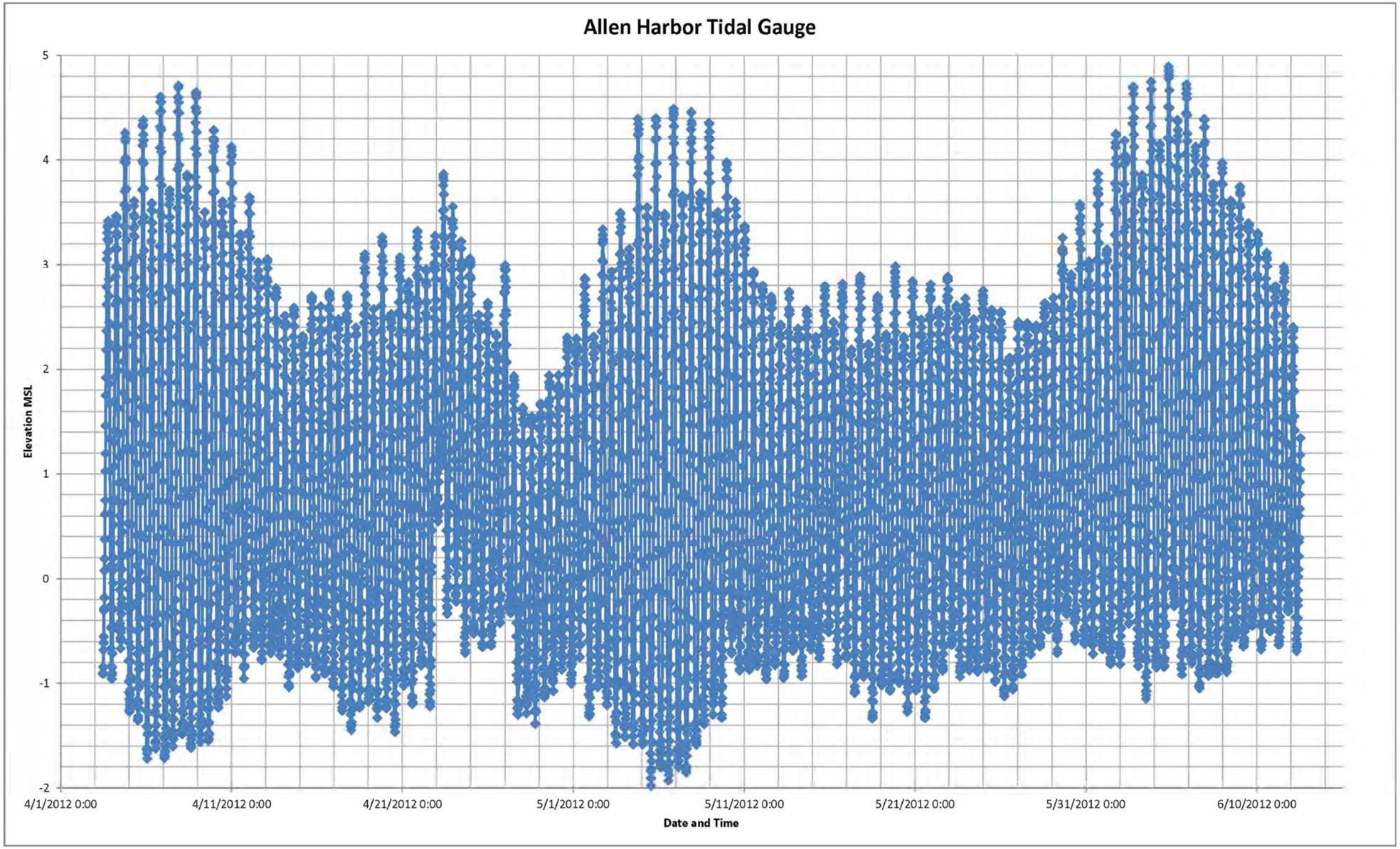
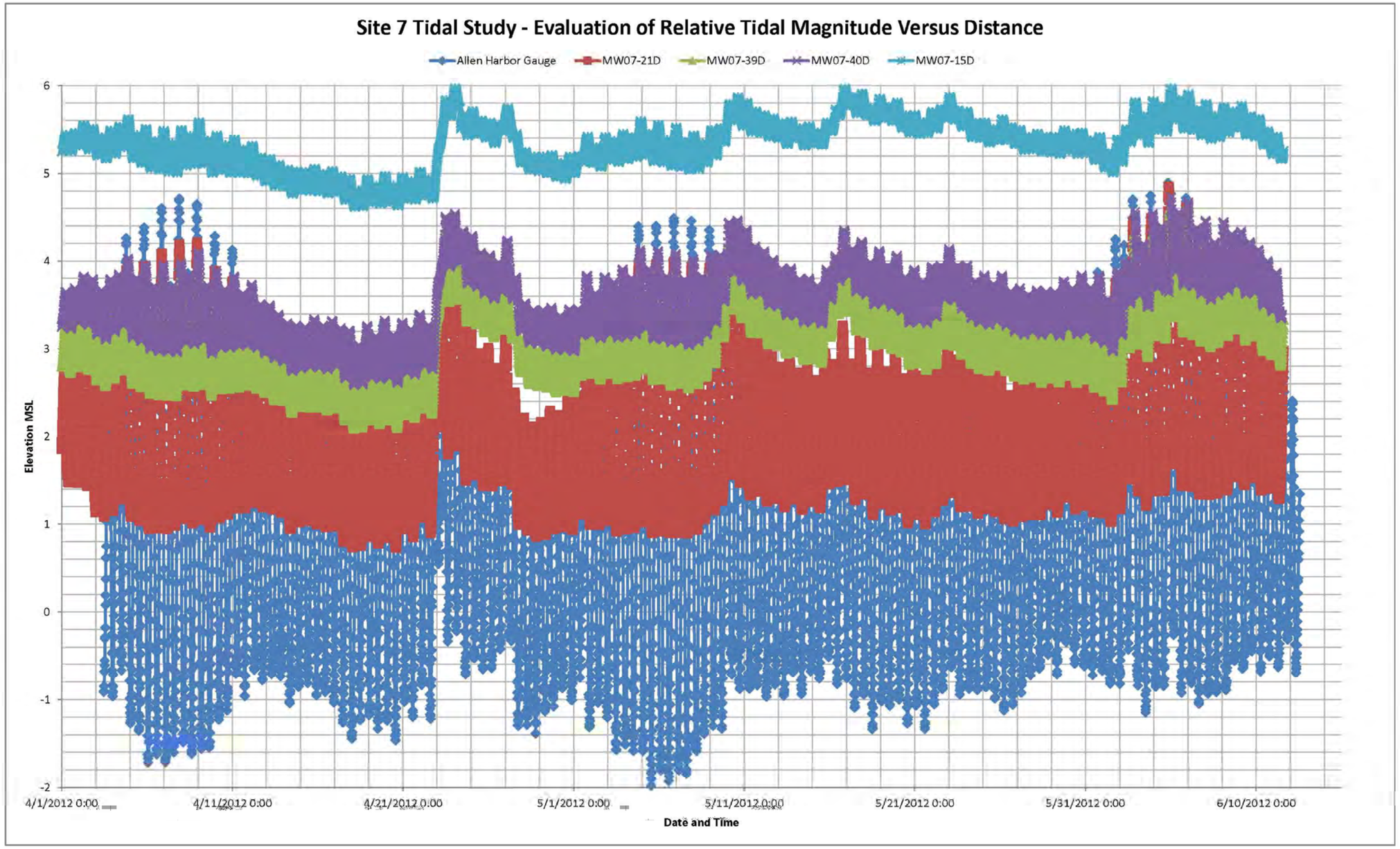


N

DRAWN BY J. NOVAK DATE 12/12/12	TETRA TECH	CONTRACT NUMBER ___	CTO NUMBER ___
CHECKED BY S. ANDERSON DATE 12/12/12	SITE 7 - CALF PASTURE POINT TIDAL STUDY STAFF GAUGE THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTOWN, RHODE ISLAND	APPROVED BY ___ DATE ___	
REVISED BY ___ DATE ___		APPROVED BY ___ DATE ___	
SCALE AS NOTED		FIGURE NO. 2-37	REV 0

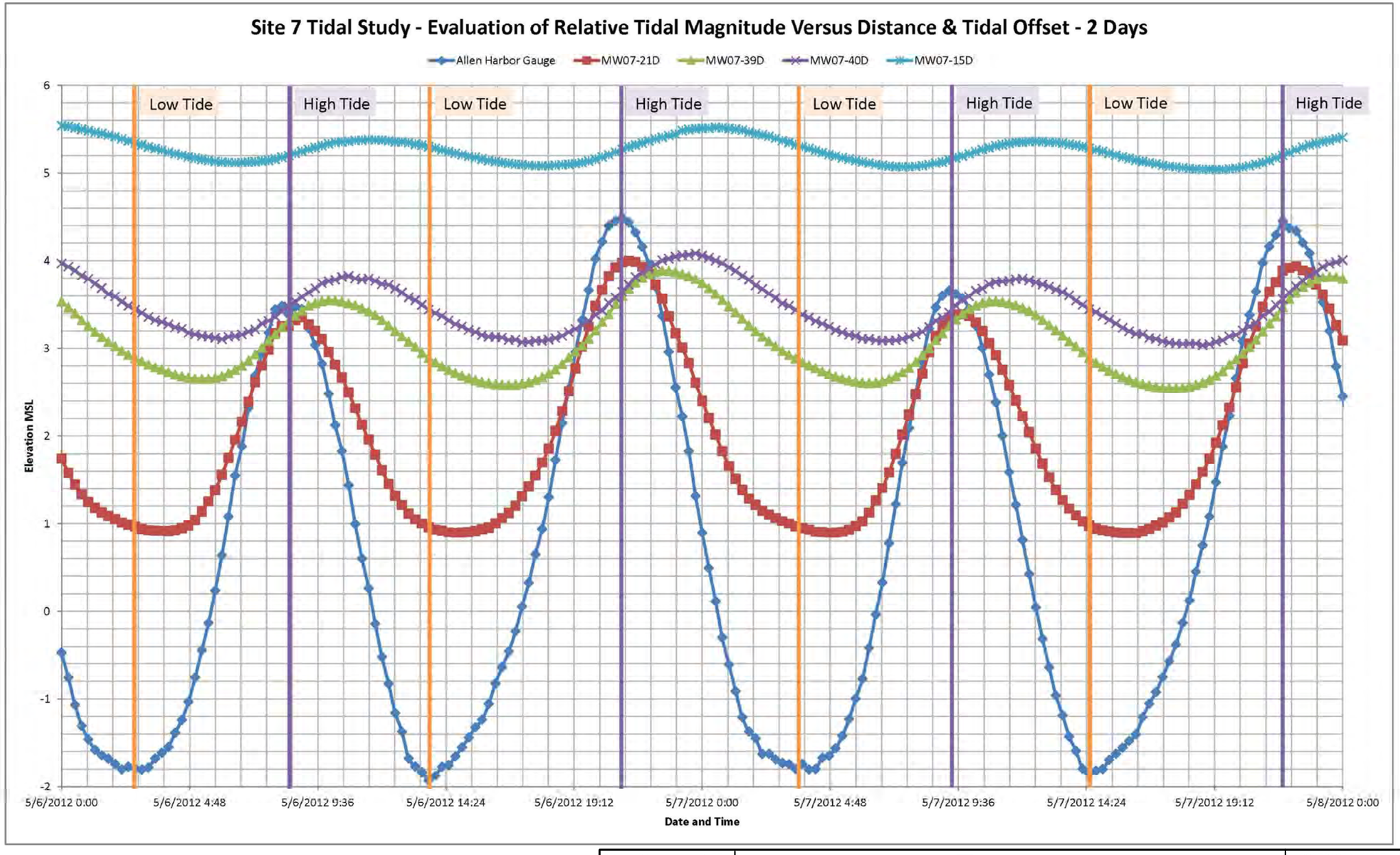
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_TIDAL STUDY FULL.MXD 12/12/12 JN



N

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	12/12/12		___	___
CHECKED BY	DATE	SITE 7 CALF PASTURE POINT TIDAL STUDY	APPROVED BY	DATE
S. ANDERSON	12/12/12	EVALUATION	___	___
REVISED BY	DATE	THIRD FIVE-YEAR REVIEW	APPROVED BY	DATE
___	___	FORMER NCBC DAVISVILLE	___	___
SCALE		NORTH KINGSTOWN, RHODE ISLAND	FIGURE NO.	REV
AS NOTED			2-38	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_TIDAL STUDY 2 DAYS.MXD 12/12/12 JN



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DRAWN BY J. NOVAK	DATE 12/12/12	TETRA TECH	CONTRACT NUMBER ___ / CTO NUMBER ___
CHECKED BY S. ANDERSON	DATE 12/12/12	SITE 7 CALF PASTURE POINT TIDAL STUDY EVALUATION - 2 DAYS THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTOWN, RHODE ISLAND	APPROVED BY ___ DATE ___
REVISED BY ___	DATE ___		APPROVED BY ___ DATE ___
SCALE AS NOTED			FIGURE NO. 2-39 / REV 0

TETRA TECH

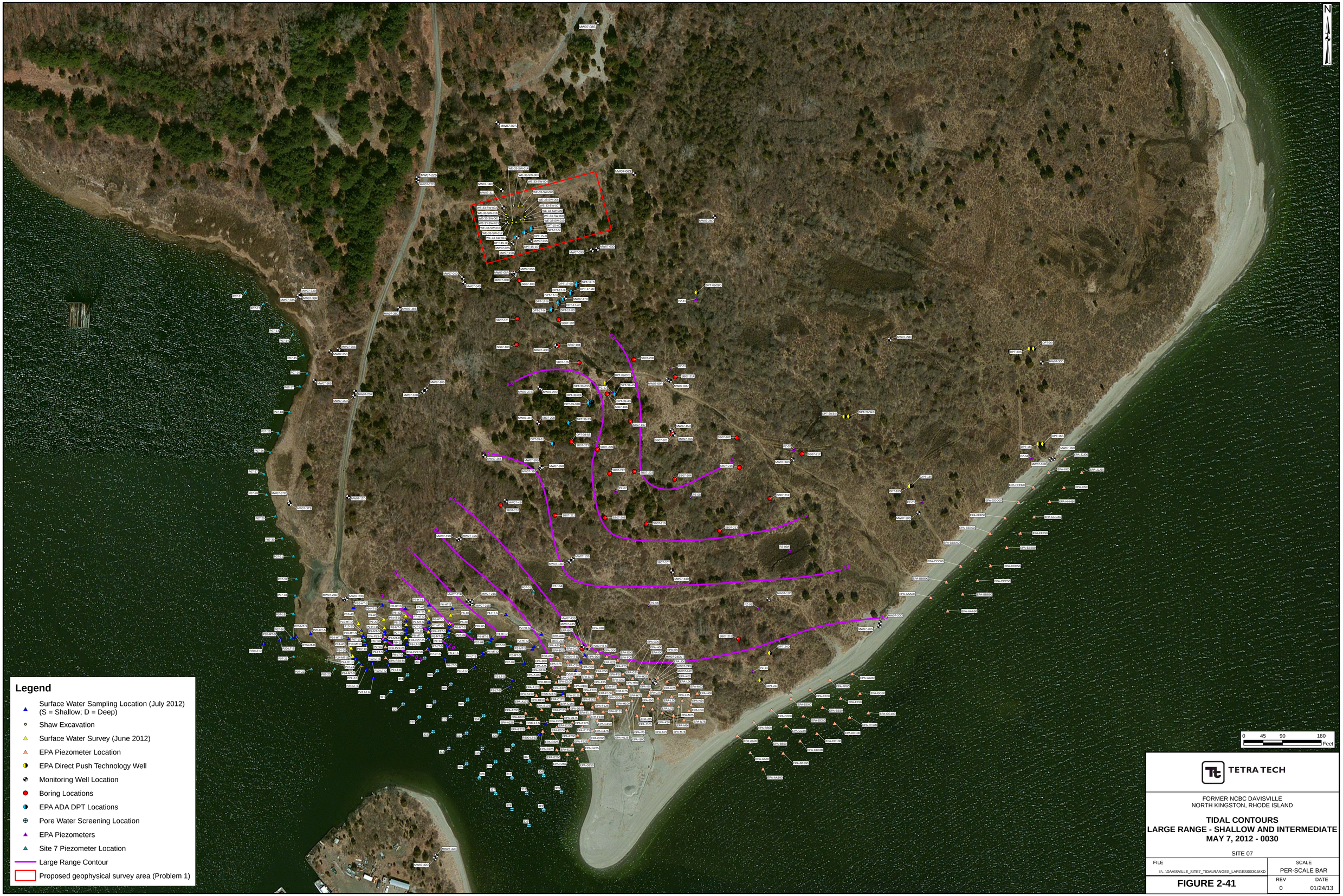
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LARGE RANGE - SHALLOW AND INTERMEDIATE
MAY 6, 2012 - 2100

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_LARGESI2100.MXD	PER-SCALE BAR
FIGURE 2-40	REV 0 / DATE 01/24/13

I:\01813045\2\DAVISVILLE_SITE7_TIDALRANGES_LARGESI2100.MXD DWWNNEC 01/24/13



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LARGE RANGE - SHALLOW AND INTERMEDIATE
MAY 7, 2012 - 0030

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_LARGESI0030.MXD	PER-SCALE BAR
FIGURE 2-41	REV 0 / DATE 01/24/13

I:\0138130452\DAVISVILLE_SITE7_TIDALRANGES_LARGES0030.MXD DWWNNEC 01/24/13

TETRA TECH

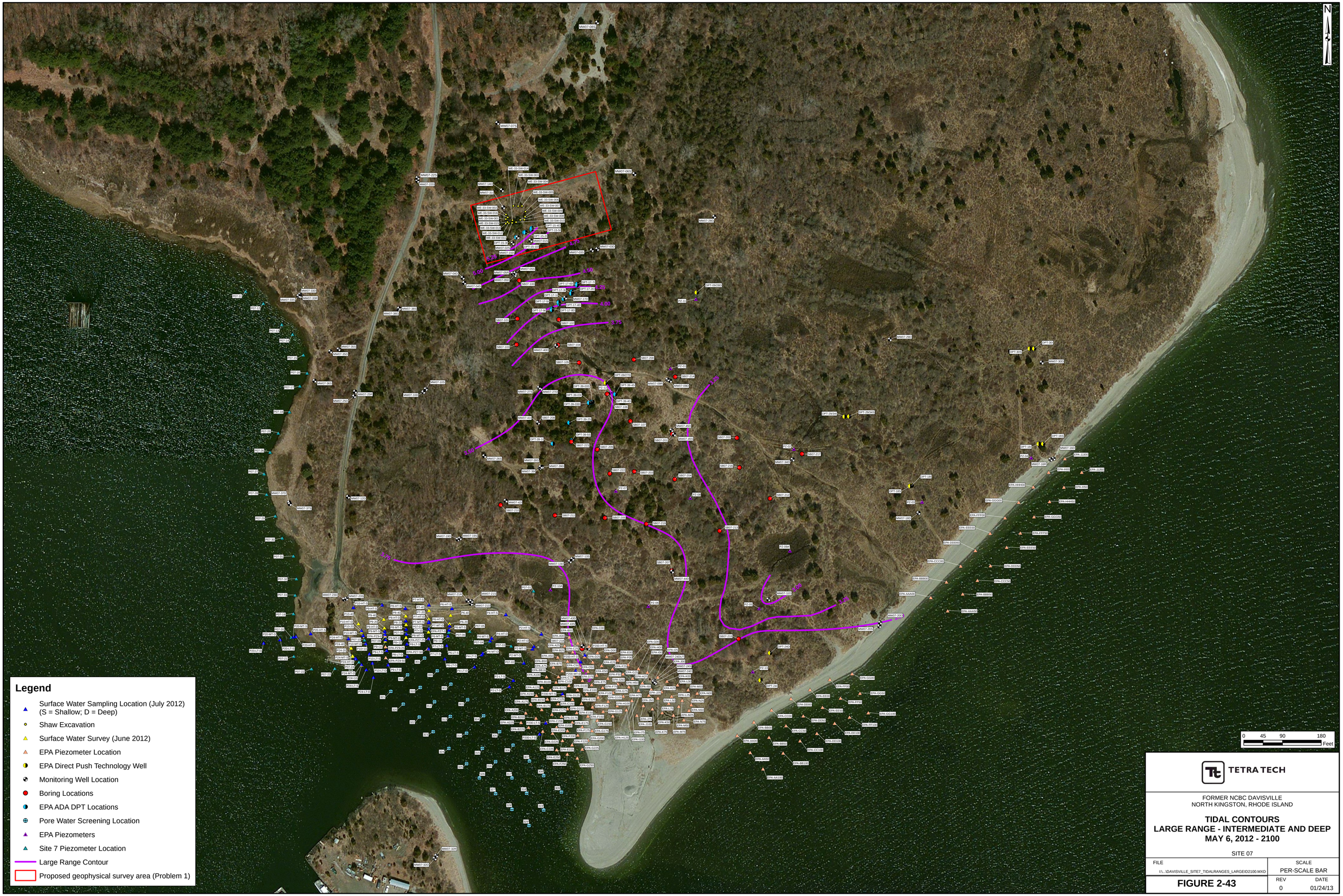
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LARGE RANGE - SHALLOW AND INTERMEDIATE
MAY 7, 2012 - 0400

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_LARGESI0400.MXD	PER-SCALE BAR
FIGURE 2-42	REV 0 / DATE 01/24/13

I:\013\3045\2\DAVISVILLE_SITE7_TIDALRANGES_LARGESI0400.MXD DWWNNEC 01/24/13



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LARGE RANGE - INTERMEDIATE AND DEEP
MAY 6, 2012 - 2100

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_LARGEID2100.MXD	PER-SCALE BAR
FIGURE 2-43	REV 0 / DATE 01/24/13

I:\0\13\045\2\DAVISVILLE_SITE7_TIDALRANGES_LARGEID2100.MXD DWNNNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LARGE RANGE - INTERMEDIATE AND DEEP
MAY 7, 2012 - 0030

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_LARGEID0030.MXD	PER-SCALE BAR
FIGURE 2-44	REV 0 / DATE 01/24/13

I:\0513045\2\DAVISVILLE_SITE7_TIDALRANGES_LARGEID0030.MXD DWNINEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LARGE RANGE - INTERMEDIATE AND DEEP
MAY 7, 2012 - 0400

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_LARGEID0400.MXD	PER-SCALE BAR
FIGURE 2-45	REV 0 / DATE 01/24/13

I:\0113045\2\DAVISVILLE_SITE7_TIDALRANGES_LARGEID0400.MXD DWNINEC 01/24/13

TETRA TECH

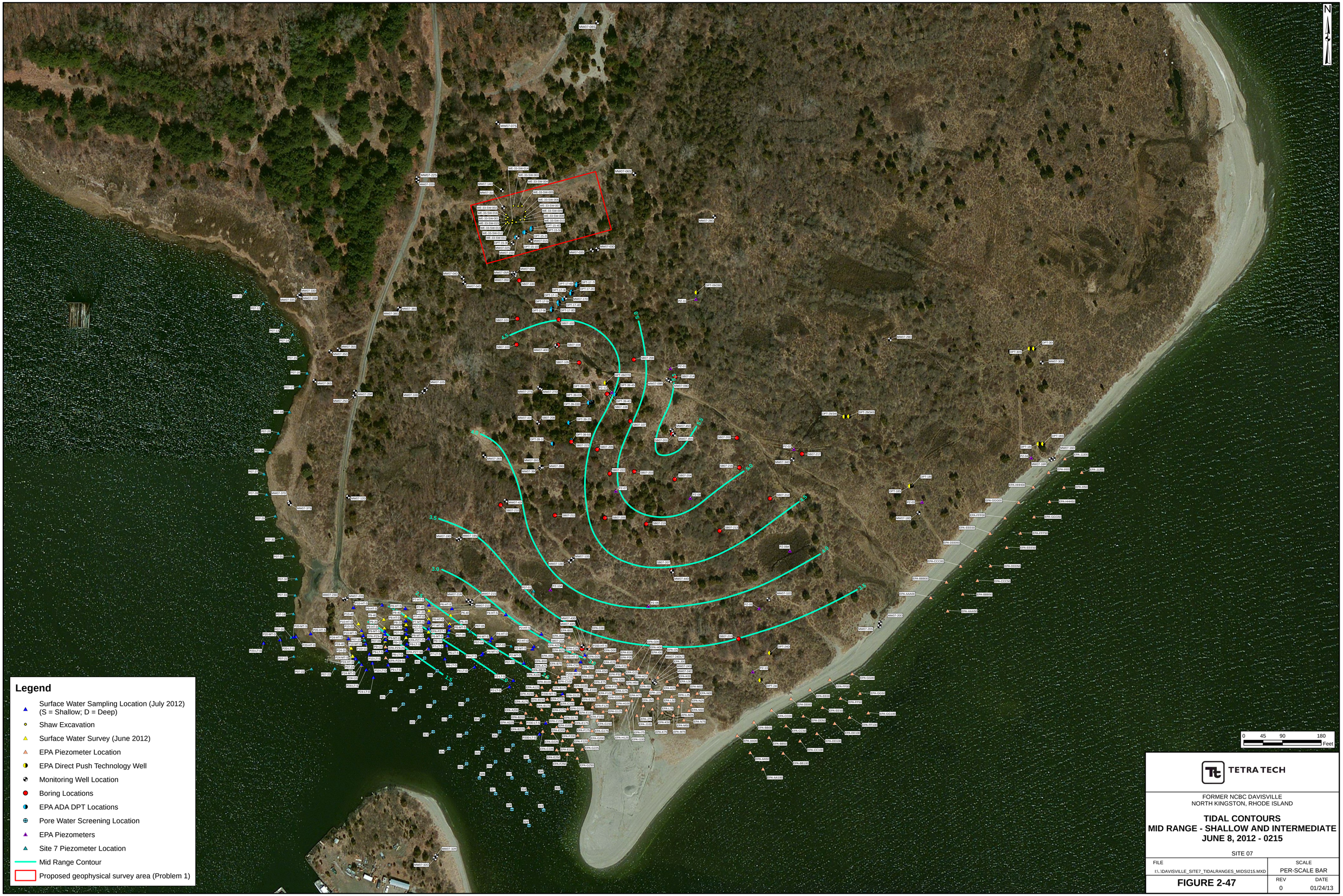
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
MID RANGE - SHALLOW AND INTERMEDIATE
JUNE 7, 2012 - 2315

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_MIDSI2315.MXD	PER-SCALE BAR
FIGURE 2-46	REV 0 / DATE 01/24/13

I:\018126452\DAVISVILLE_SITE7_TIDALRANGES_MIDSI2315.MXD DWM/NEC 01/24/13



TETRA TECH

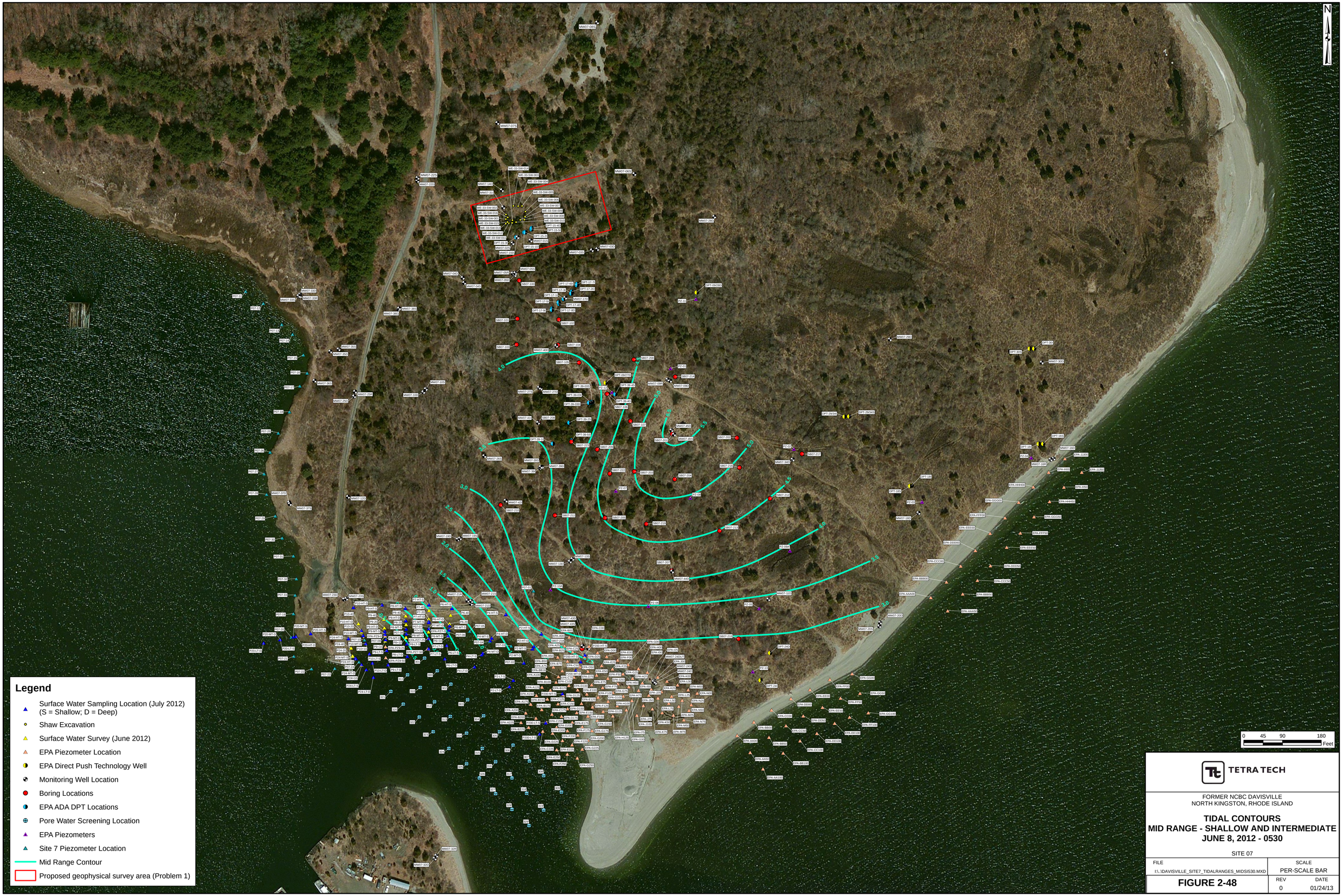
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
MID RANGE - SHALLOW AND INTERMEDIATE
JUNE 8, 2012 - 0215

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_MIDSI215.MXD	PER-SCALE BAR
FIGURE 2-47	REV 0 / DATE 01/24/13

I:\018126045\2\DAVISVILLE_SITE7_TIDALRANGES_MIDSI215.MXD DWWINNEC 01/24/13



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
MID RANGE - SHALLOW AND INTERMEDIATE
JUNE 8, 2012 - 0530

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_MIDSI530.MXD	PER-SCALE BAR
FIGURE 2-48	REV 0 / DATE 01/24/13

I:\01812604\52\DAVISVILLE_SITE7_TIDALRANGES_MIDSI530.MXD DWWINNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
MID RANGE - INTERMEDIATE AND DEEP
JUNE 7, 2012 - 2315

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_MIDID2315.MXD	PER-SCALE BAR
FIGURE 2-49	REV 0 / DATE 01/24/13

I:\018126\452\DAVISVILLE_SITE7_TIDALRANGES_MIDID2315.MXD DWNNNEC 01/24/13

TETRA TECH

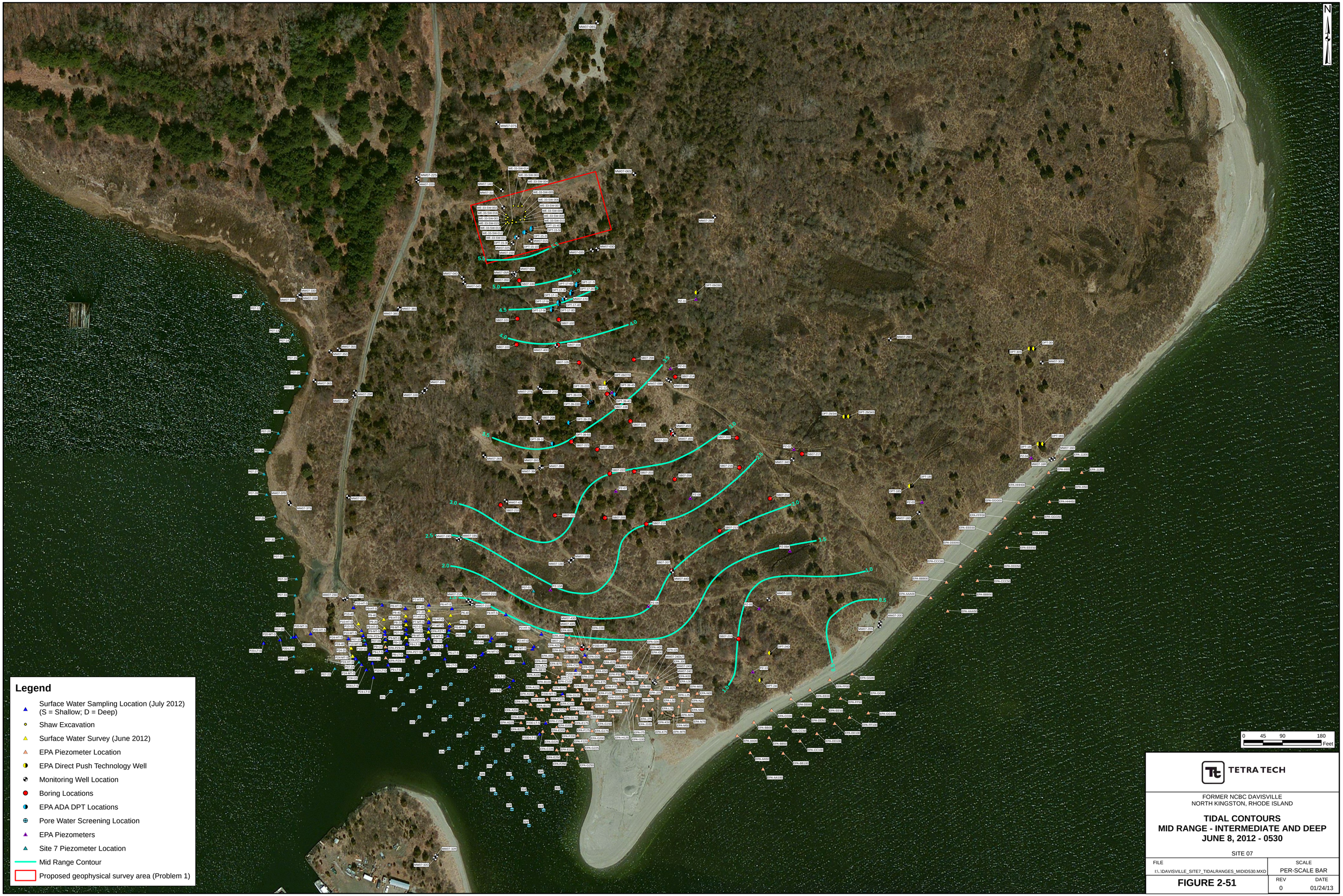
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
MID RANGE - INTERMEDIATE AND DEEP
JUNE 8, 2012 - 0215

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_MIDID215.MXD	PER-SCALE BAR
FIGURE 2-50	REV 0 / DATE 01/24/13

I:\01813045\2\DAVISVILLE_SITE7_TIDALRANGES_MIDID215.MXD DWWINNEC 01/24/13



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
MID RANGE - INTERMEDIATE AND DEEP
JUNE 8, 2012 - 0530

SITE 07

FILE	SCALE
I:\...\DAVISVILLE_SITE7_TIDALRANGES_MIDID530.MXD	PER-SCALE BAR
FIGURE 2-51	REV 0 / DATE 01/24/13

I:\01813045\2\DAVISVILLE_SITE7_TIDALRANGES_MIDID530.MXD DWWINEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
AVERAGE RANGE - SHALLOW AND INTERMEDIATE
MAY 20, 2012 - 2030

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_AVGSI2030.MXD	PER-SCALE BAR
FIGURE 2-52	REV 0 / DATE 09/19/12

I:\018130452\DAVISVILLE_SITE7_TIDALRANGES_AVGSI2030.MXD DWM/NNEC 09/19/12

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
AVERAGE RANGE - SHALLOW AND INTERMEDIATE
MAY 20, 2012 - 2300

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_AVGSI2300.MXD	PER-SCALE BAR
FIGURE 2-53	REV 0 / DATE 01/24/13

I:\018130452\DAVISVILLE_SITE7_TIDALRANGES_AVGSI2300.MXD DWWNNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
AVERAGE RANGE - SHALLOW AND INTERMEDIATE
MAY 21, 2012 - 0130

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_AVGSI130.MXD	PER-SCALE BAR
FIGURE 2-54	REV 0 / DATE 01/24/13

I:\01813\0452\DAVISVILLE_SITE7_TIDALRANGES_AVGSI130.MXD DWWINNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
AVERAGE RANGE - INTERMEDIATE AND DEEP
MAY 20, 2012 - 2030

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_AVGID2030.MXD	PER-SCALE BAR
FIGURE 2-55	REV 0 / DATE 01/24/13

I:\0181304562\DAVISVILLE_SITE7_TIDALRANGES_AVGID2030.MXD DWMN/NEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
AVERAGE RANGE - INTERMEDIATE AND DEEP
MAY 20, 2012 - 2300

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_AVGID2300.MXD	PER-SCALE BAR
FIGURE 2-56	REV 0 / DATE 01/24/13

I:\0181304B52\DAVISVILLE_SITE7_TIDALRANGES_AVGID2300.MXD DWMN/NEC 01/24/13

TETRA TECH

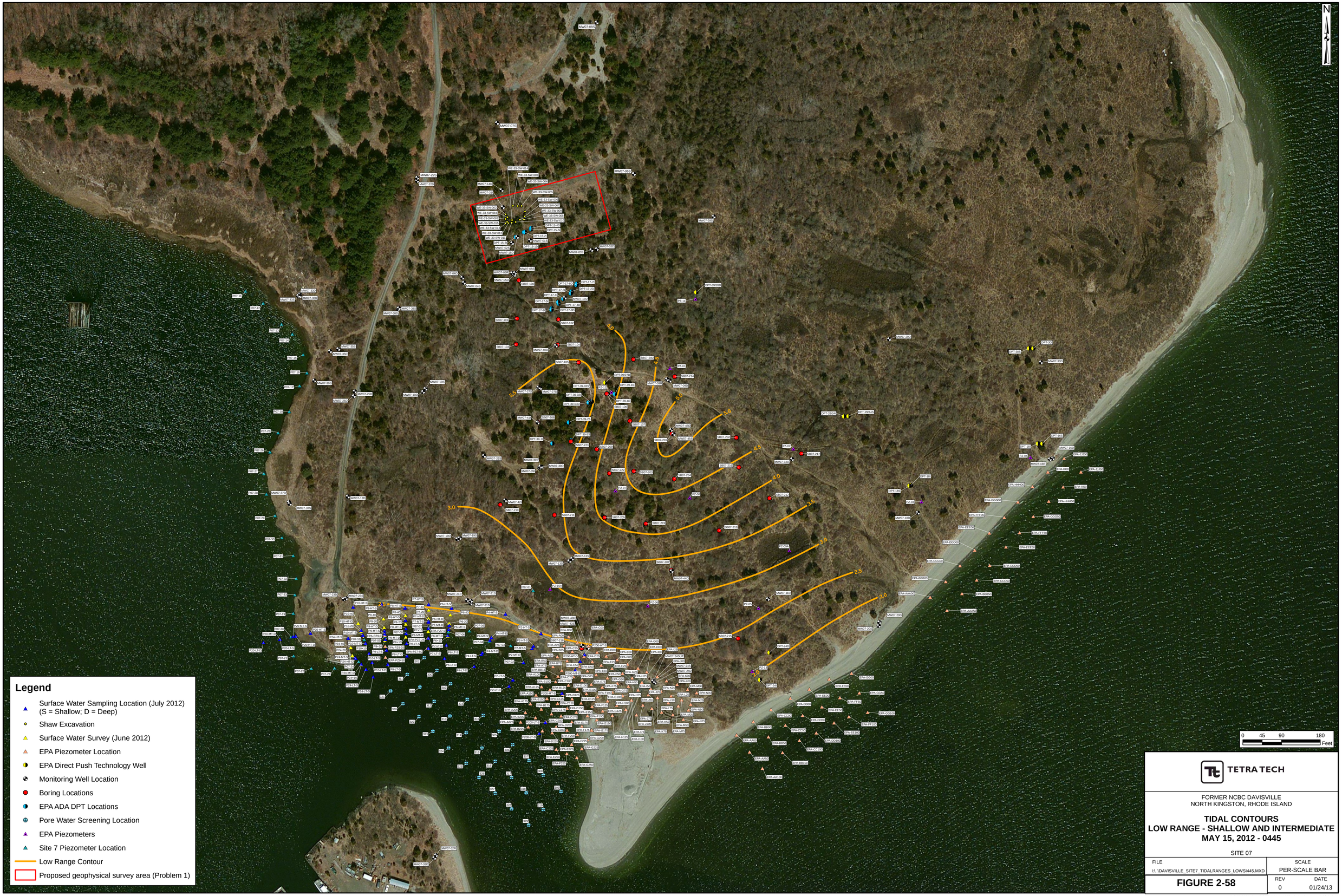
FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
AVERAGE RANGE - INTERMEDIATE AND DEEP
MAY 21, 2012 - 0130

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_AVGID130.MXD	PER-SCALE BAR
FIGURE 2-57	REV 0 / DATE 01/24/13

I:\01813\0452\DAVISVILLE_SITE7_TIDALRANGES_AVGID130.MXD DWWNNEC 01/24/13



TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LOW RANGE - SHALLOW AND INTERMEDIATE
MAY 15, 2012 - 0445

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_LOWSI445.MXD	PER-SCALE BAR
FIGURE 2-58	REV 0 / DATE 01/24/13

I:\01813\04520\DAVISVILLE_SITE7_TIDALRANGES_LOWSI445.MXD DWWNNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LOW RANGE - SHALLOW AND INTERMEDIATE
MAY 15, 2012 - 0715

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_LOWSI7I15.MXD	PER-SCALE BAR
FIGURE 2-59	REV 0 / DATE 01/24/13

I:\01813045\20\DAVISVILLE_SITE7_TIDALRANGES_LOWSI7I15.MXD DWWNNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LOW RANGE - SHALLOW AND INTERMEDIATE
MAY 15, 2012 - 0945

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_LOWSI945.MXD	PER-SCALE BAR
FIGURE 2-60	REV 0 / DATE 01/24/13

I:\01639045\26\DAVISVILLE_SITE7_TIDALRANGES_LOWSI945.MXD DWWINNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LOW RANGE - INTERMEDIATE AND DEEP
MAY 15, 2012 - 0445

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_LOWID445.MXD	PER-SCALE BAR
FIGURE 2-61	REV 0 / DATE 01/24/13

I:\01813040520\DAVISVILLE_SITE7_TIDALRANGES_LOWID445.MXD DWWNNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

TIDAL CONTOURS
LOW RANGE - INTERMEDIATE AND DEEP
MAY 15, 2012 - 0715

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_LOWID715.MXD	PER-SCALE BAR
FIGURE 2-62	REV 0 / DATE 01/24/13

I:\0181204820\DAVISVILLE_SITE7_TIDALRANGES_LOWID715.MXD DWWNNEC 01/24/13

TETRA TECH

FORMER NCBC DAVISVILLE
NORTH KINGSTON, RHODE ISLAND

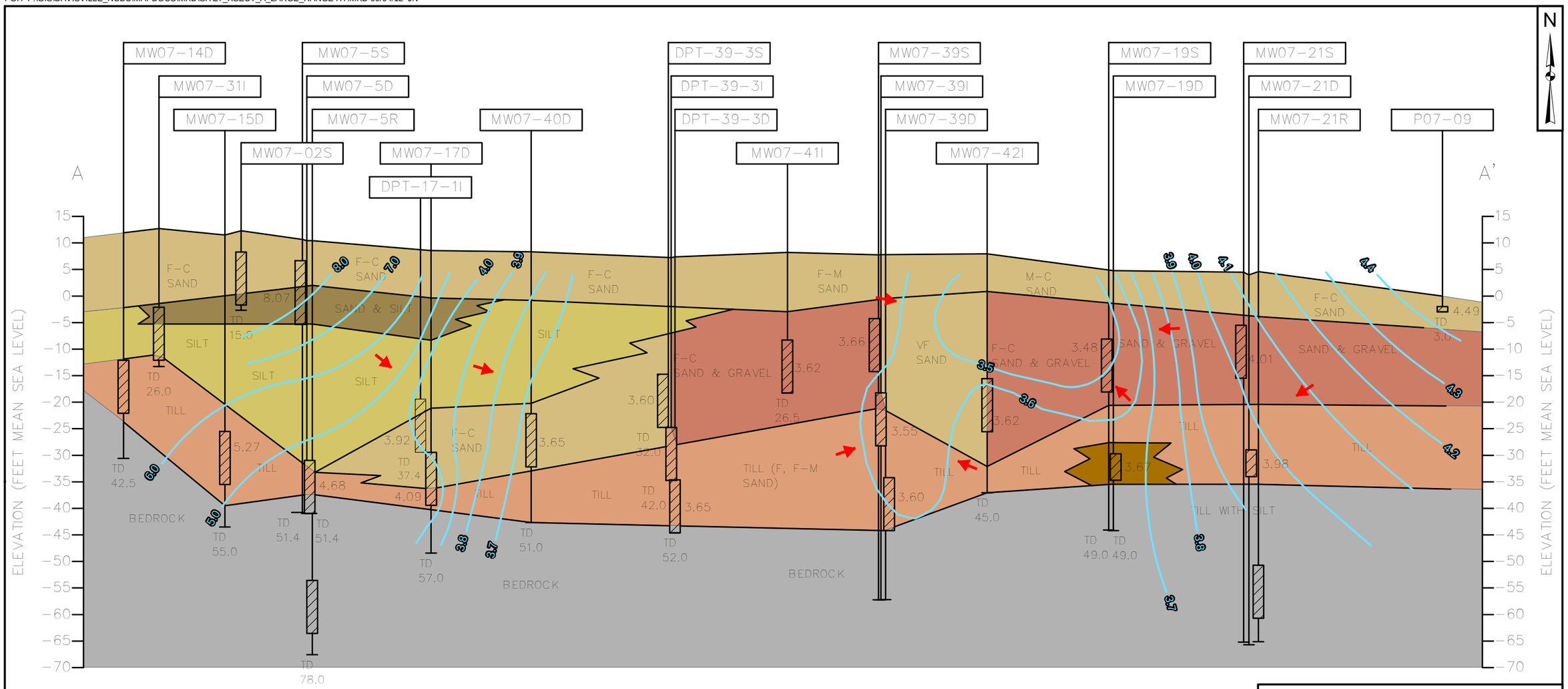
TIDAL CONTOURS
LOW RANGE - INTERMEDIATE AND DEEP
MAY 15, 2012 - 0945

SITE 07

FILE	SCALE
I:\..\DAVISVILLE_SITE7_TIDALRANGES_LOWID945.MXD	PER-SCALE BAR
FIGURE 2-63	REV 0 / DATE 01/24/13

I:\01813\04520\DAVISVILLE_SITE7_TIDALRANGES_LOWID945.MXD DWWNNEC 01/24/13

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_LARGE_RANGE HT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
LARGE RANGE - HT
21:00 - 05/06/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

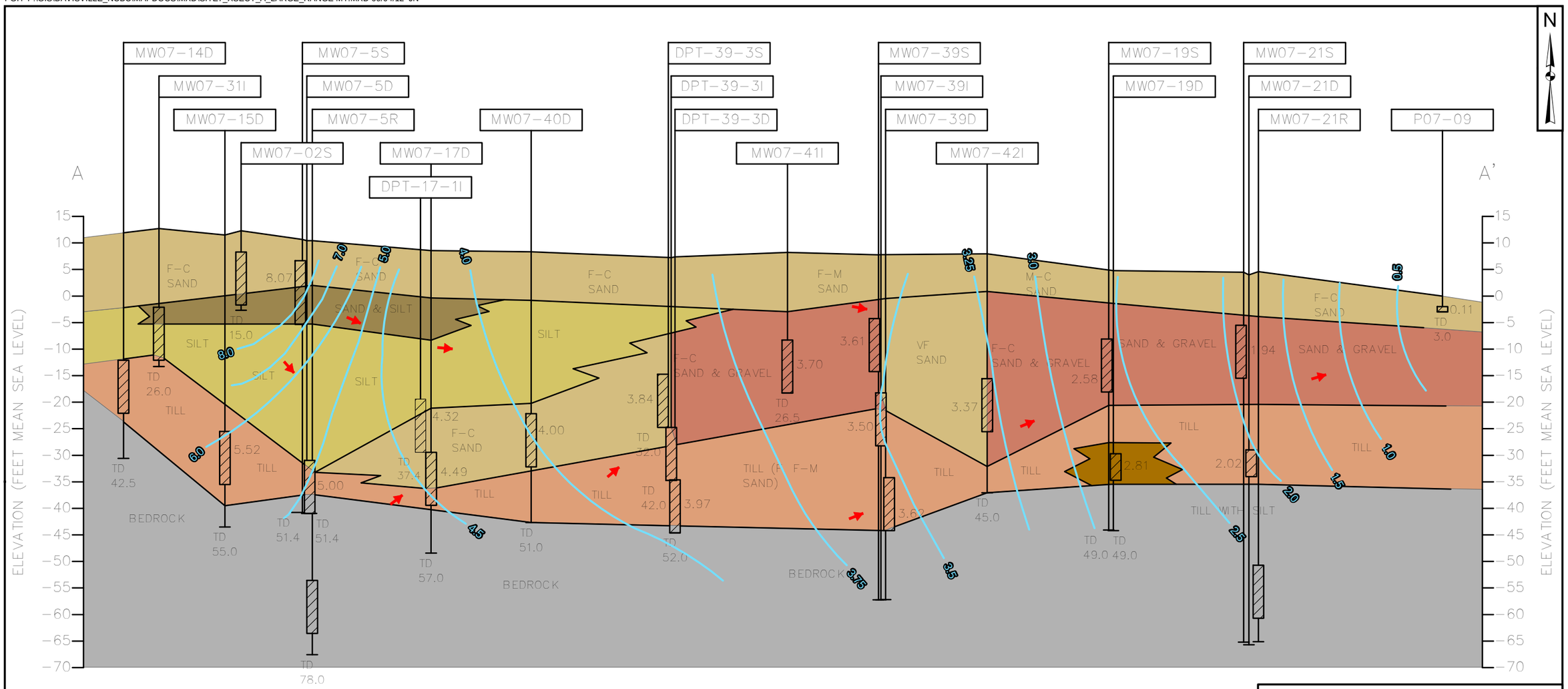
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-64

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_LARGE_RANGE MT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
LARGE RANGE - MT
00:30 - 05/07/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

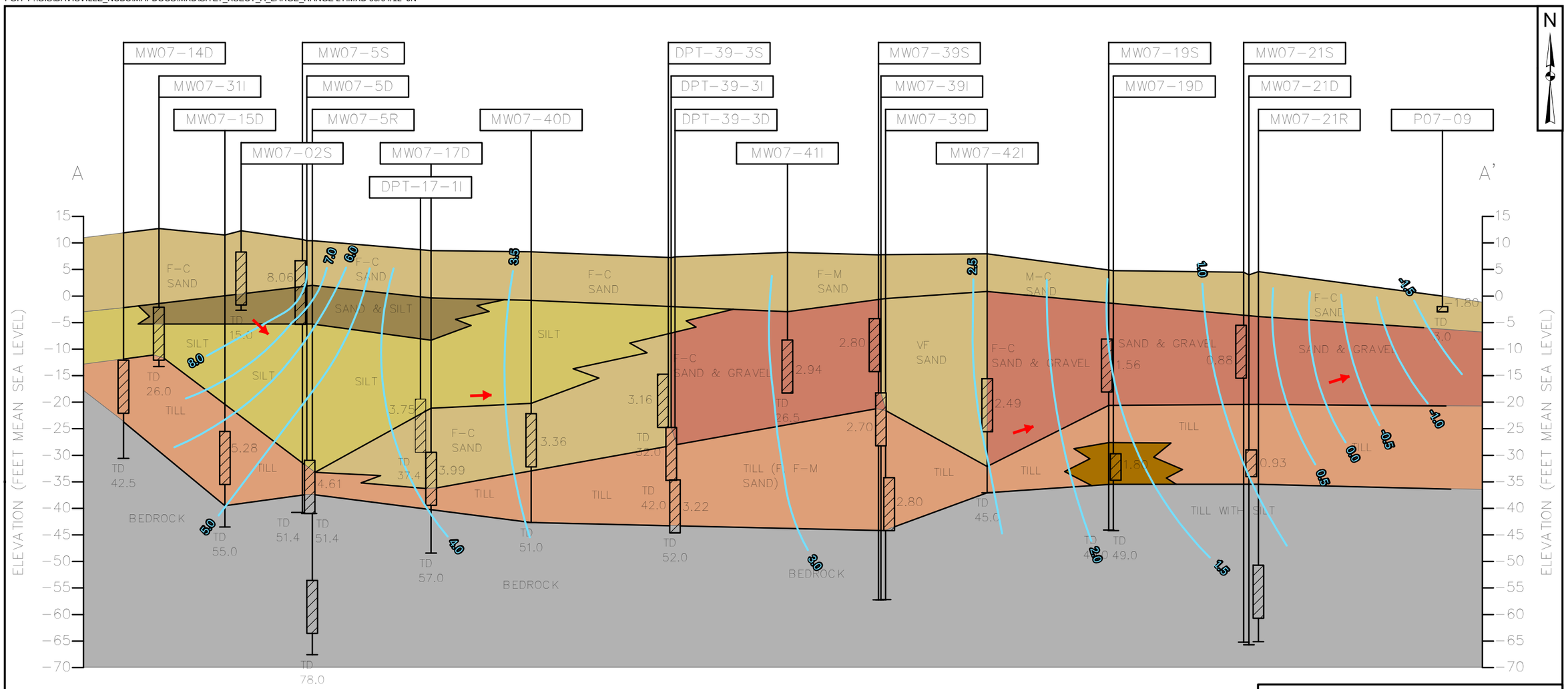
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-65

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_LARGE_RANGE LT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
LARGE RANGE - LT
04:00 - 05/07/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

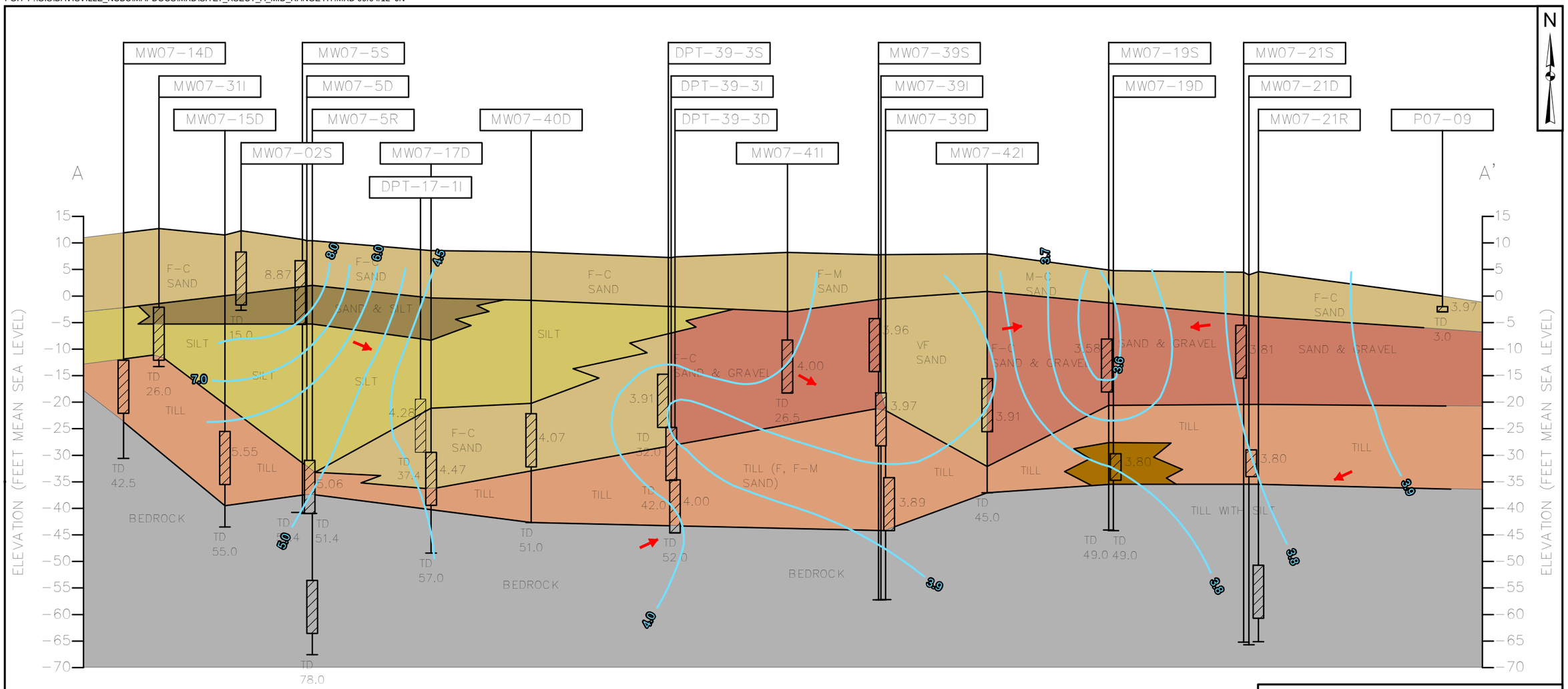
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-66

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_MID_RANGE HT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
MID RANGE - HT
23:15 - 06/07/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

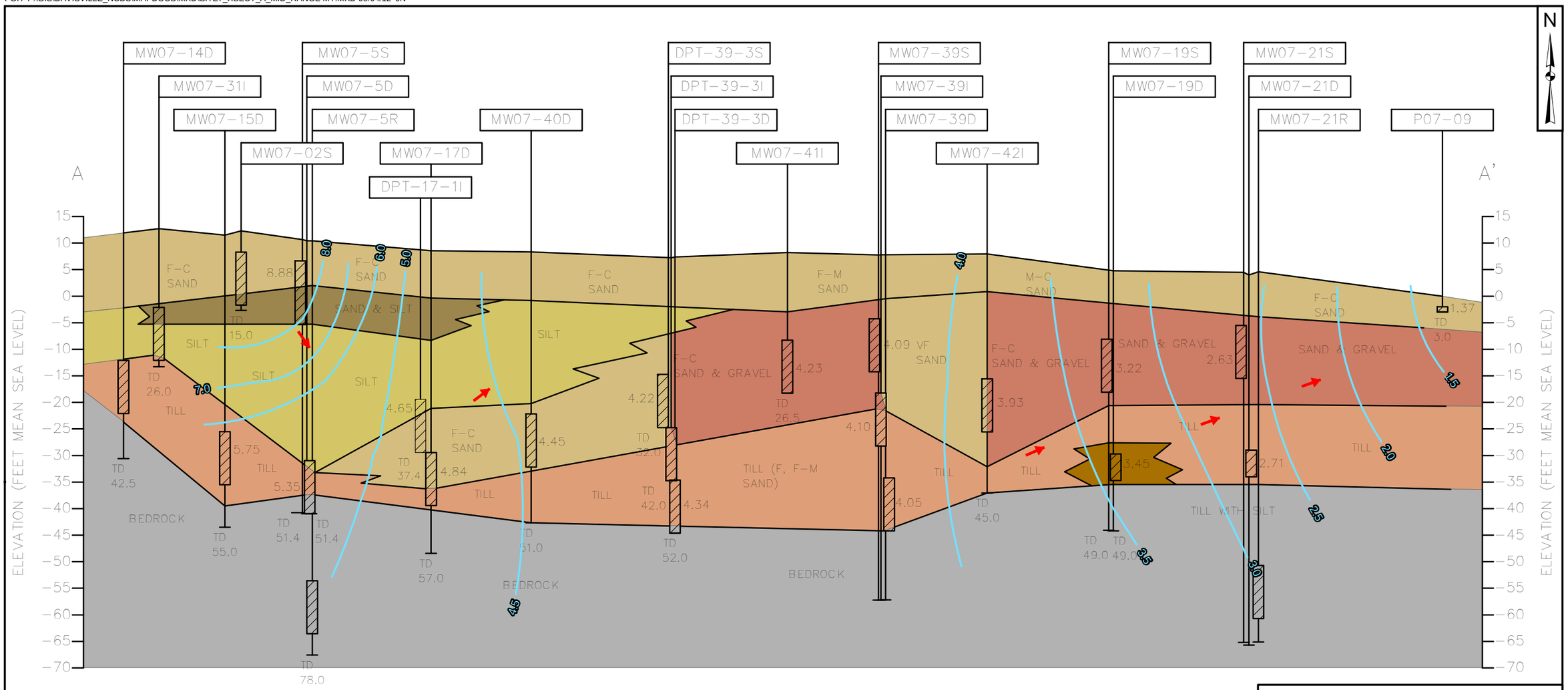
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-67

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_MID_RANGE MT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
MID RANGE - MT
02:15 - 06/08/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

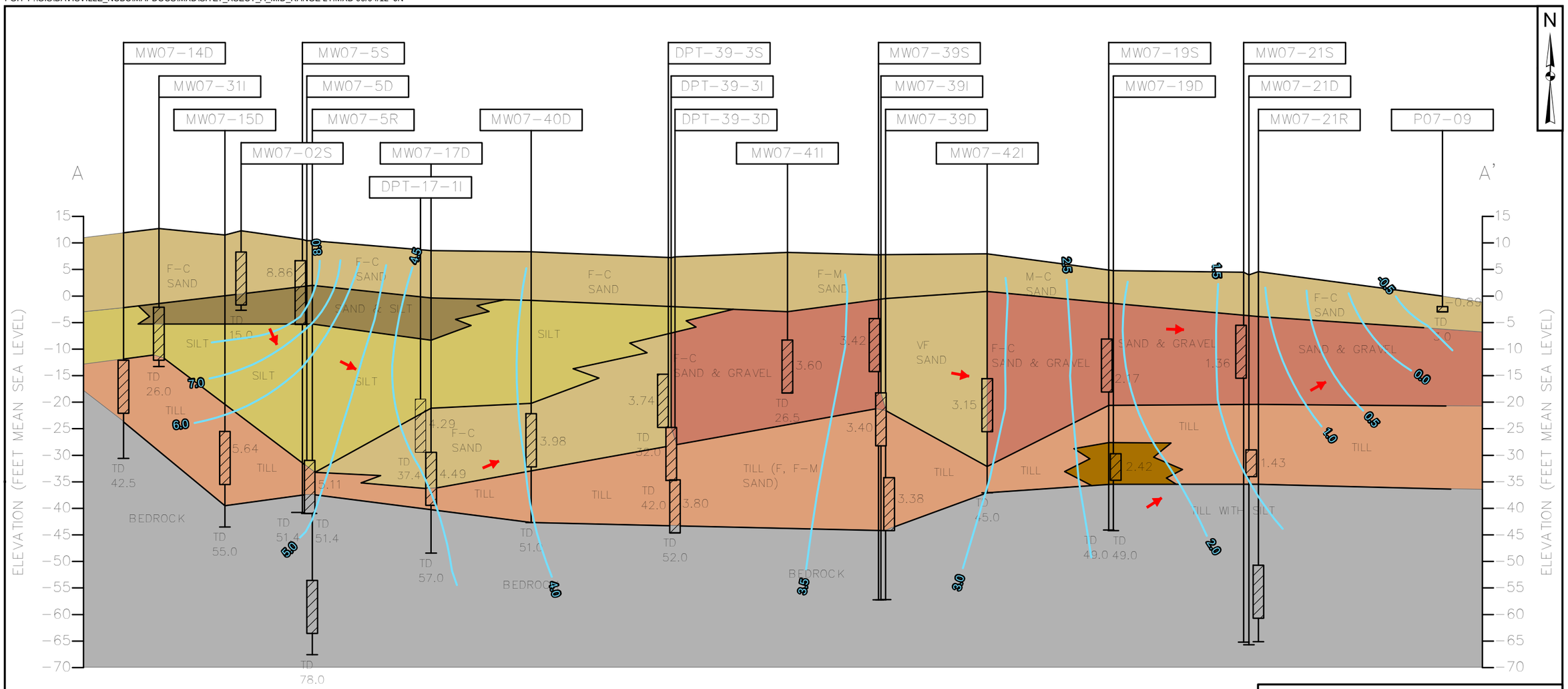
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-68

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_MID_RANGE LT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
MID RANGE - LT
05:30 - 06/08/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

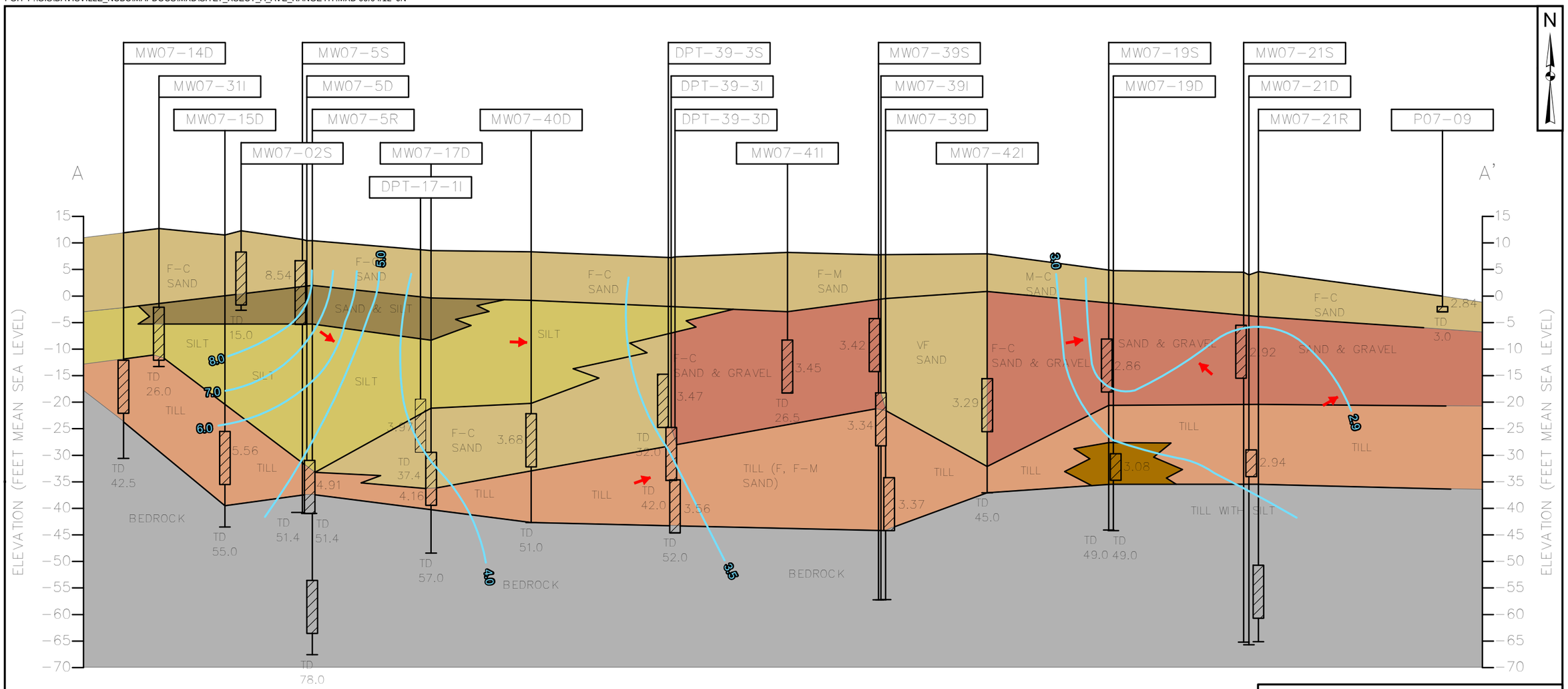
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-69

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_AVE_RANGE HT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
AVERAGE - HT
20:30 - 05/20/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

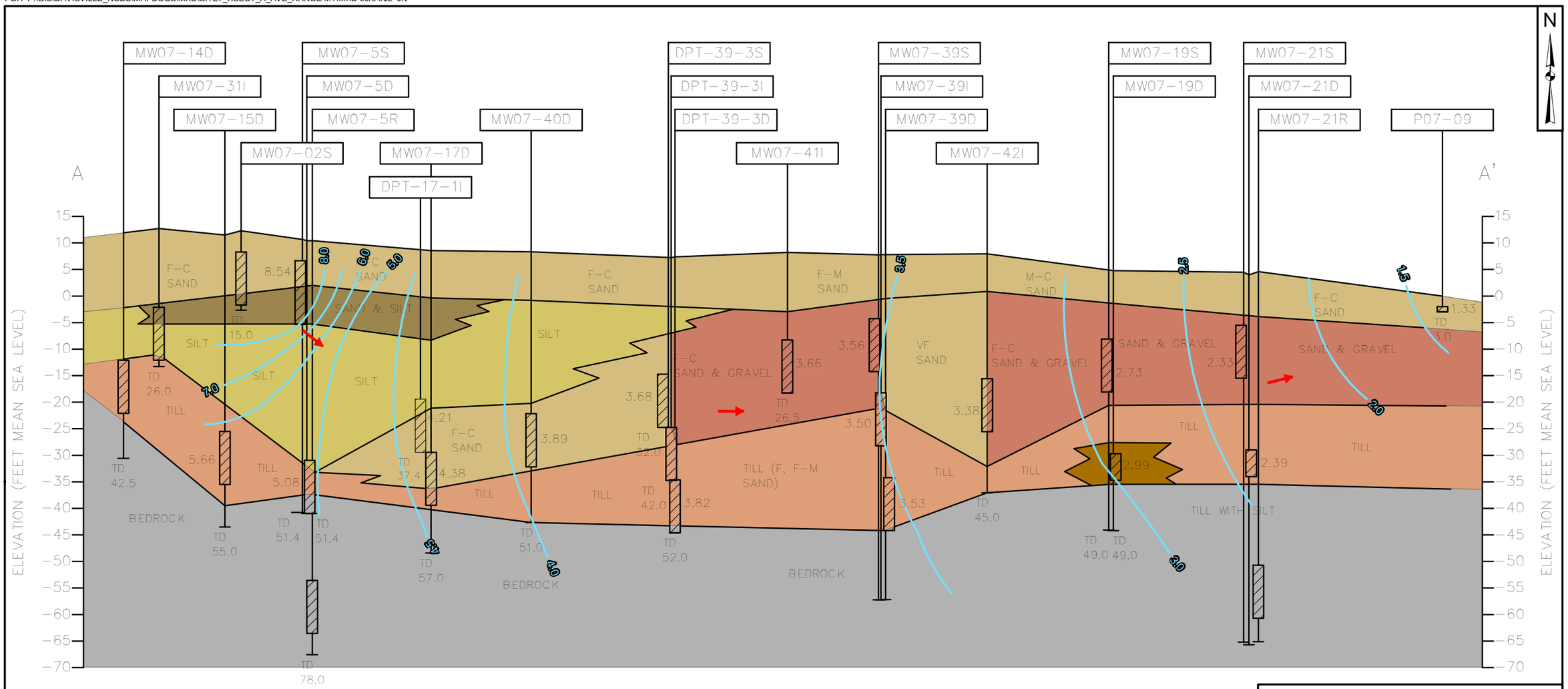
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-70

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_AVE_RANGE MT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
AVERAGE - MT
23:00 - 05/20/2010
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

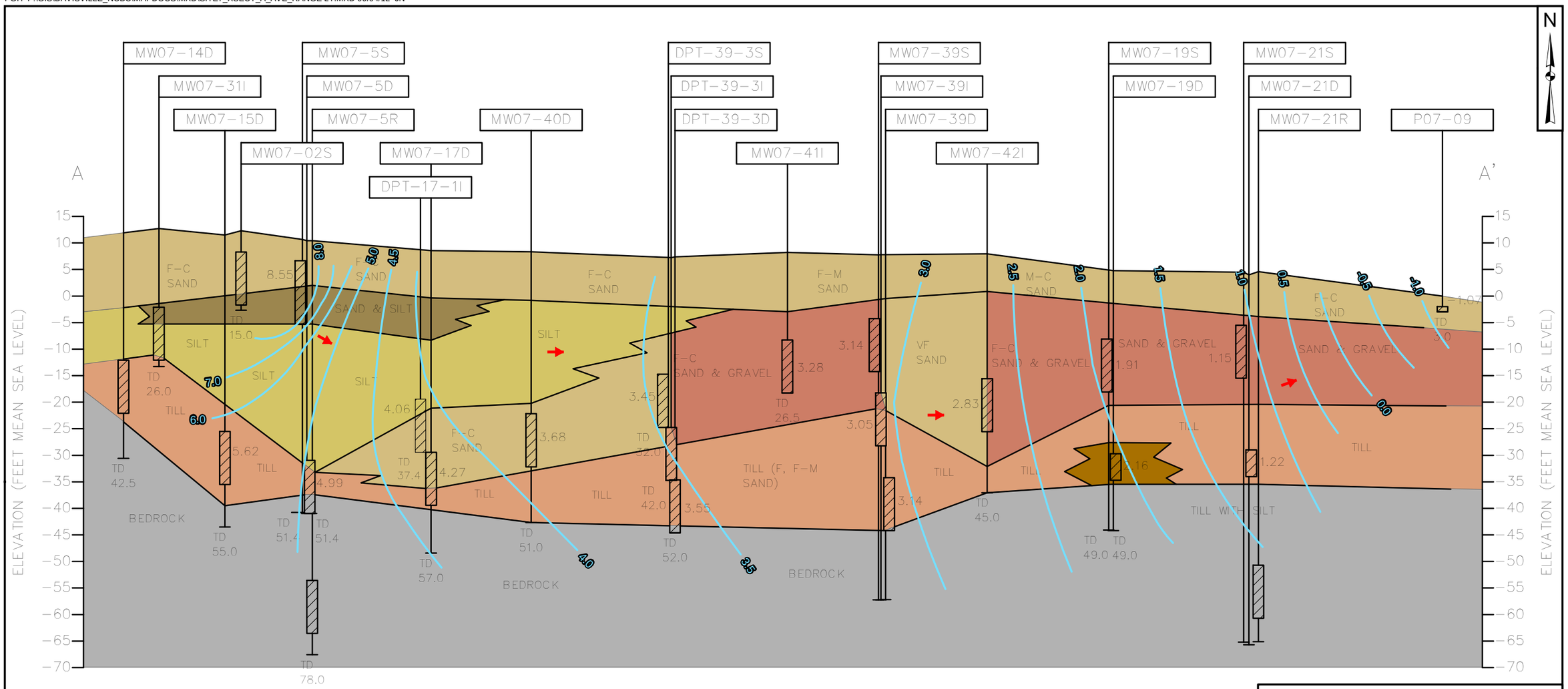
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-71

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_AVE_RANGE LT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
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4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
AVERAGE - LT
01:30 - 05/21/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

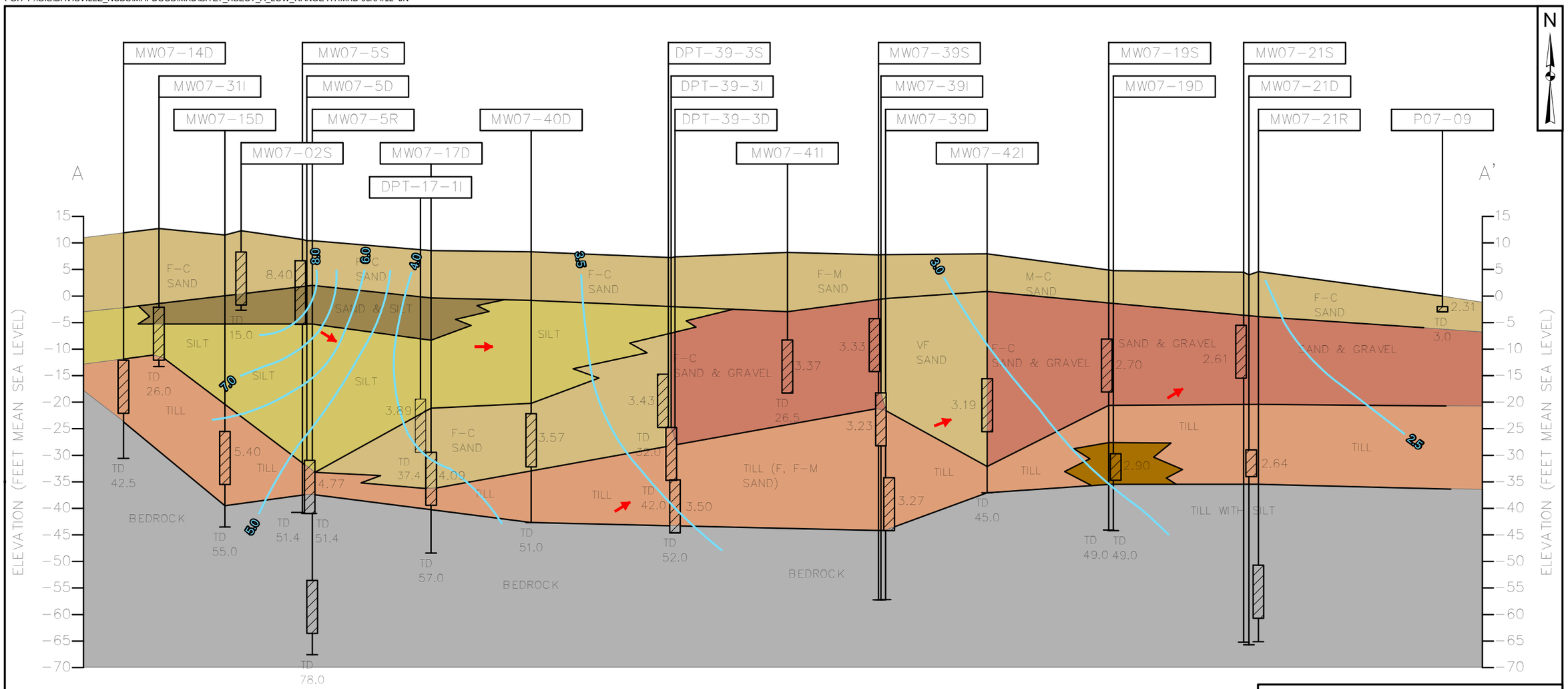
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-72

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_LOW_RANGE HT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
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4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
LOW RANGE - HT
04:45 - 05/15/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

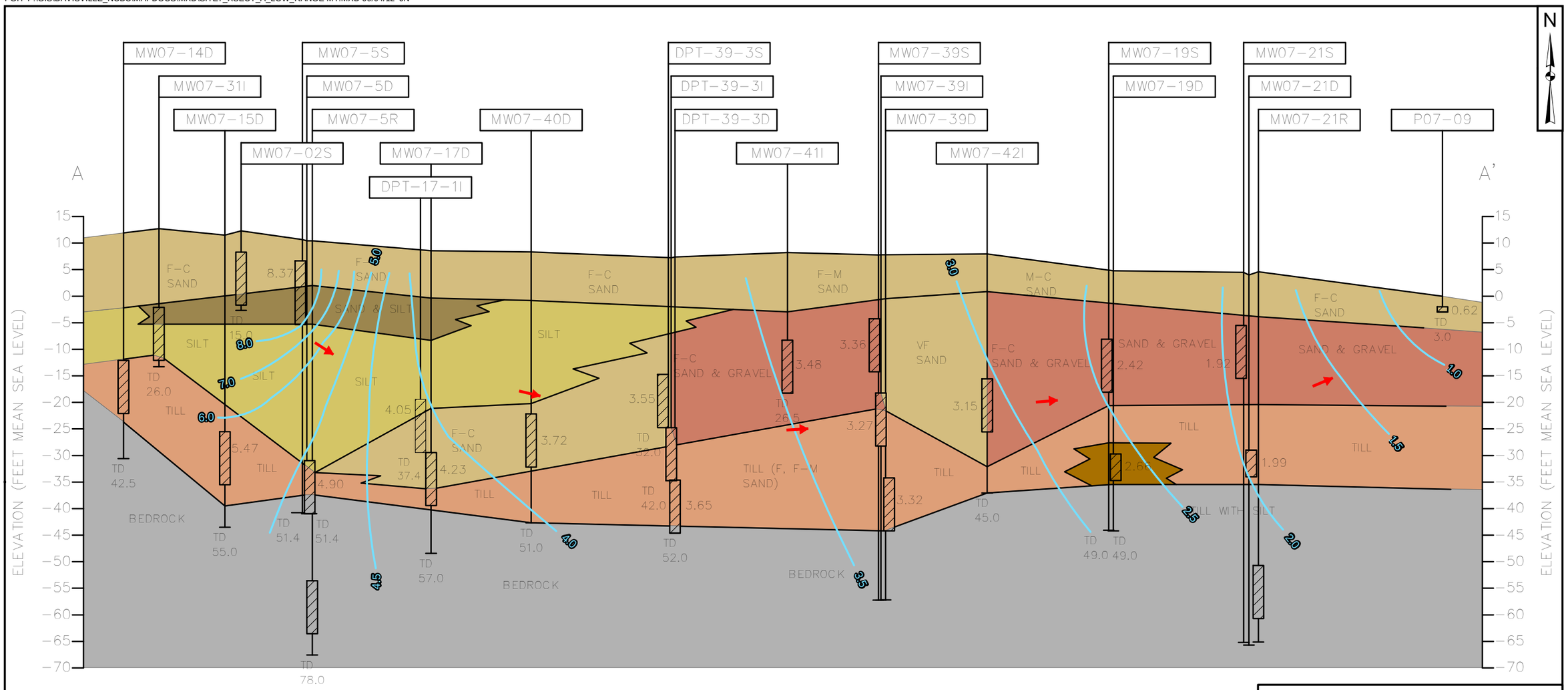
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

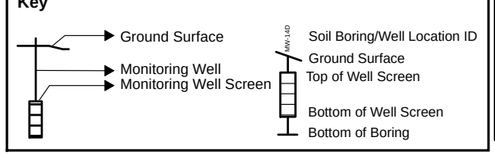
FIGURE 2-73

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_LOW_RANGE MT.MXD 09/04/12 JN



Key



Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
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Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
LOW RANGE - MT
07:15 - 05/15/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

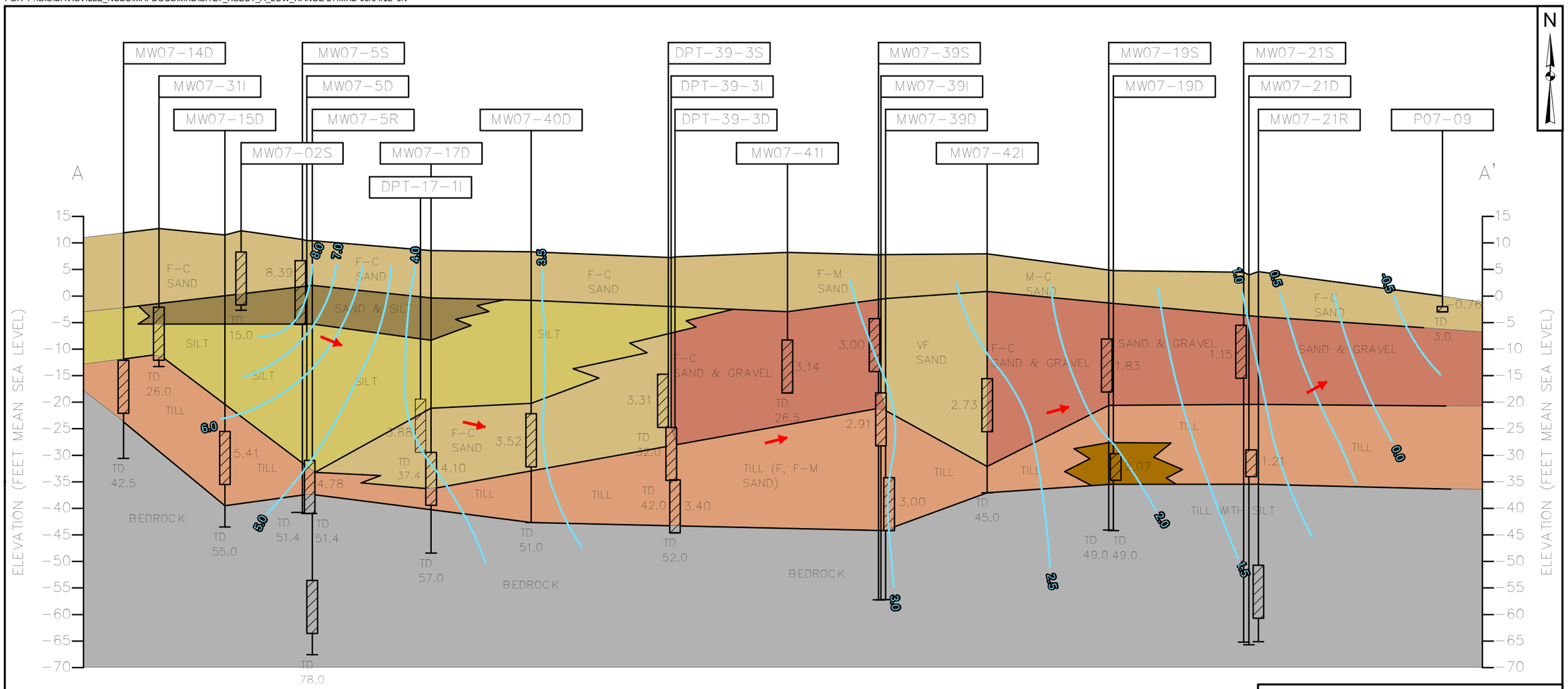
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-74

REVISION
0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE7_XSECT_A_LOW_RANGE LT.MXD 09/04/12 JN



Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen
- Soil Boring/Well Location ID
- Ground Surface
- Top of Well Screen
- Bottom of Well Screen
- Bottom of Boring

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
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3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

Legend

- Isocontours Tidal Ranges
- Soil Boring
- Well Screens
- Bedrock
- Sand
- Sand & Gravel
- Sand & Silt
- Silt
- Till
- Till with Silt

TETRA TECH

CROSS SECTION LINE A
LOW RANGE - LT
09:45 - 05/15/2012
SITE 07, FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

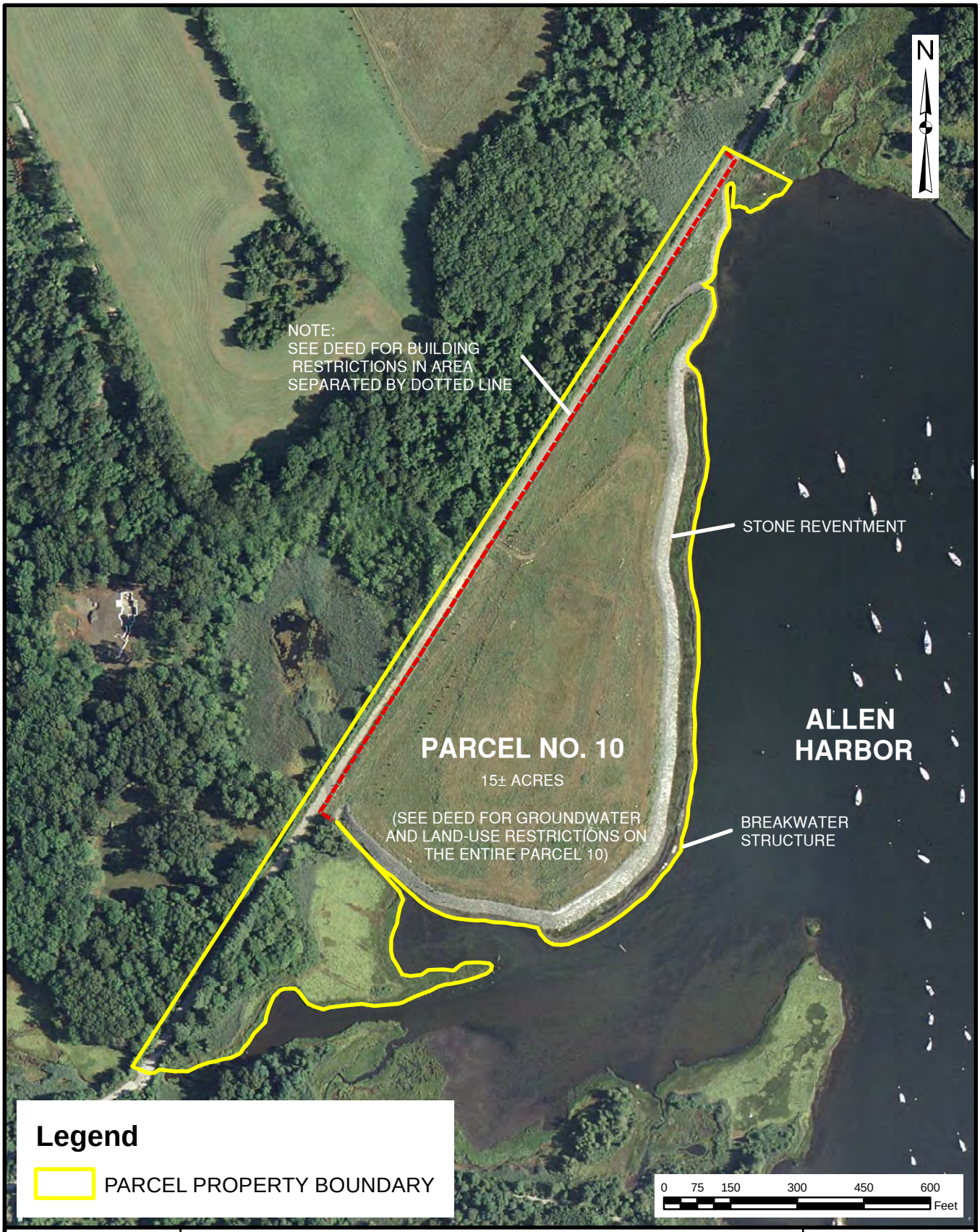
DRAWN BY: J. NOVAK 07/24/12
CHECKED BY: S. ANDERSON 09/04/12
APPROVED BY:

CONTRACT NUMBER: 112G01813
CTO ___

FIGURE 2-75

REVISION
0

I:\15111\2230\FIGURE_3-1.MXD KPC/NEC 12/24/12



TETRA TECH

PARCEL NO. 10 SITE MAP
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

SCALE	PER SCALE BAR
FILE	I:\...\FIGURE_3-1.MXD
REV	0
DATE	12/24/12
FIGURE NUMBER	3-1

I:\1511\1230\ME_38_FIGURE2.MXD KPC/NEC 12/17/12

Aerial photograph from Rhode Island Geographic Information System
Name: Atlas_imageryBaseMapsEarthCover_2008_RIE911_legacy

TETRA TECH

SITE MAP AND LONG TERM MONITORING LOCATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

SCALE	
PER SCALE BAR	
FILE	
I:\...\ME_38_FIGURE2.MXD	
REV	DATE
0	12/17/12
FIGURE NUMBER	
3-2	

I:\1511\1230\ME_38_FIGURE3.MXD KPC/NEC 11/13/12

Aerial photograph from Rhode Island Geographic Information System
Name: Atlas_imageryBaseMapsEarthCover/2008_RIE911_legacy

0 25 50 100 150 200 250 300 350 400 450 500 Feet

TETRA TECH

LANDFILL GAS PROBE SCREENING LOCATIONS
THIRD FIVE-YEAR REVIEW
FORMER NCBC DAVISVILLE
NORTH KINGSTOWN, RHODE ISLAND

SCALE	PER SCALE BAR
FILE	I:\...\ME_38_FIGURE3.MXD
REV	0
DATE	11/13/12
FIGURE NUMBER	3-3

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_GW_LOW_TIDE_SHALLOW.MXD 11/30/12 JN

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	11/28/12		1813	WE01
CHECKED BY	DATE	LOW TIDE - SHALLOW	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
___	___	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			3-4	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_GW_LOW_TIDE_DEEP.MXD 11/30/12 JN

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	11/28/12		1813	WE01
CHECKED BY	DATE	LOW TIDE - DEEP	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
___	___	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			3-5	0

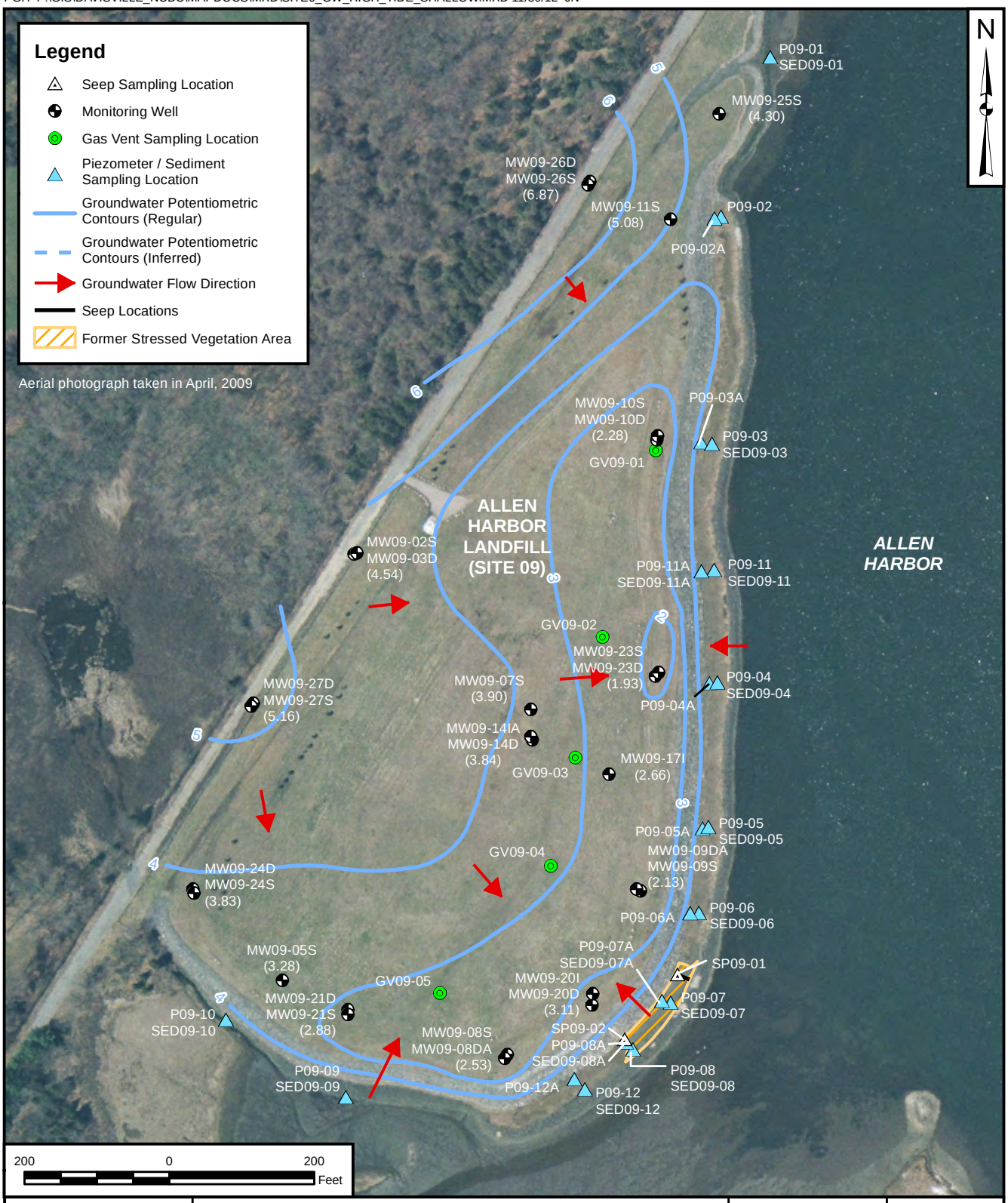
PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_GW_MID_TIDE_SHALLOW.MXD 11/30/12 JN

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	11/28/12		1813	WE01
CHECKED BY	DATE	MID TIDE - SHALLOW	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
___	___	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			3-6	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_GW_MID_TIDE_DEEP.MXD 11/30/12 JN

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	11/28/12		1813	WE01
CHECKED BY	DATE	MID TIDE - DEEP	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
___	___	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			3-7	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_GW_HIGH_TIDE_SHALLOW.MXD 11/30/12 JN

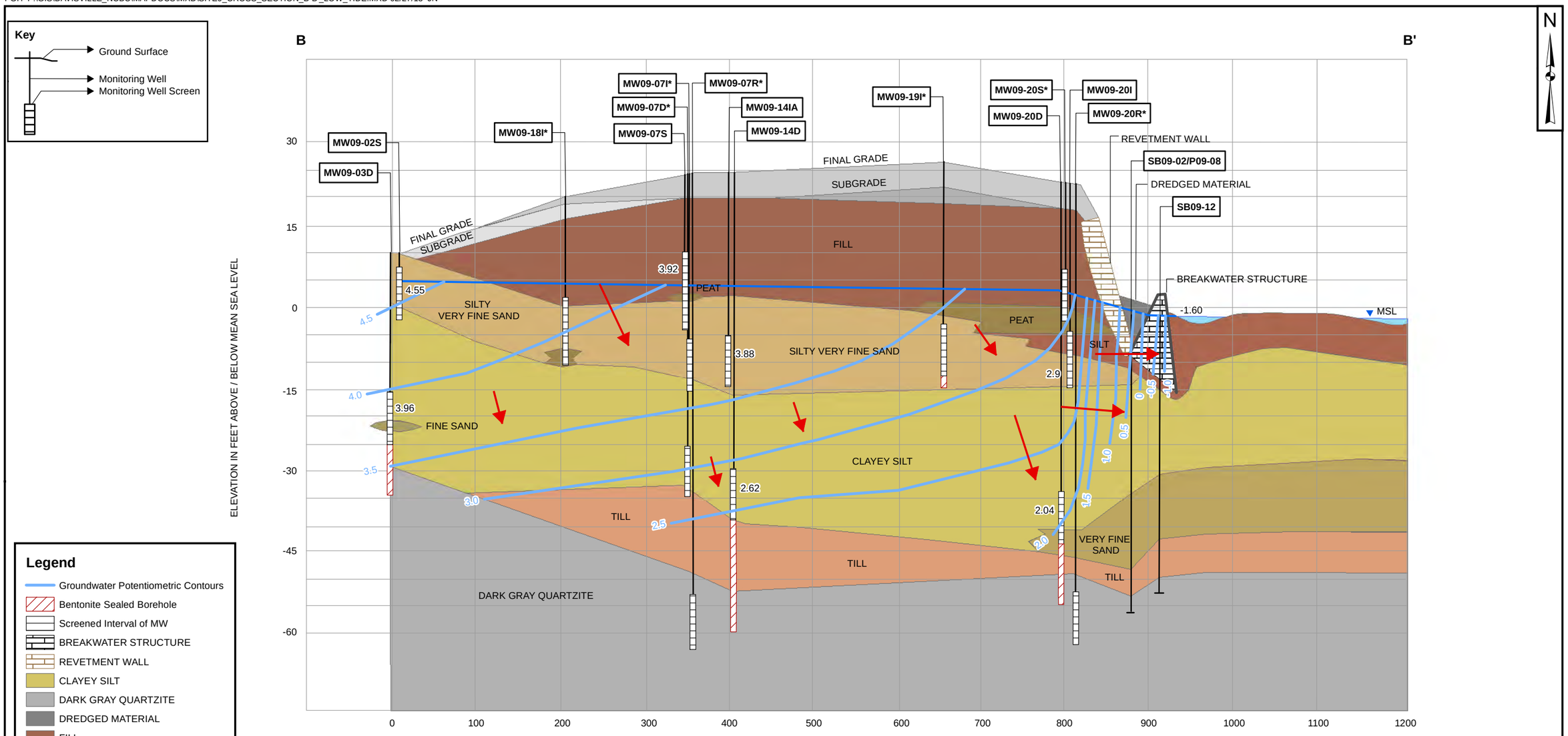


DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	11/28/12		1813	WE01
CHECKED BY	DATE	HIGH TIDE - SHALLOW	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
___	___	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			3-8	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_GW_HIGH_TIDE_DEEP.MXD 11/30/12 JN

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. NOVAK	11/28/12		1813	WE01
CHECKED BY	DATE	HIGH TIDE - DEEP	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
___	___	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			3-9	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_CROSS_SECTION_B-B'_LOW_TIDE.MXD 02/27/13 JN



Legend

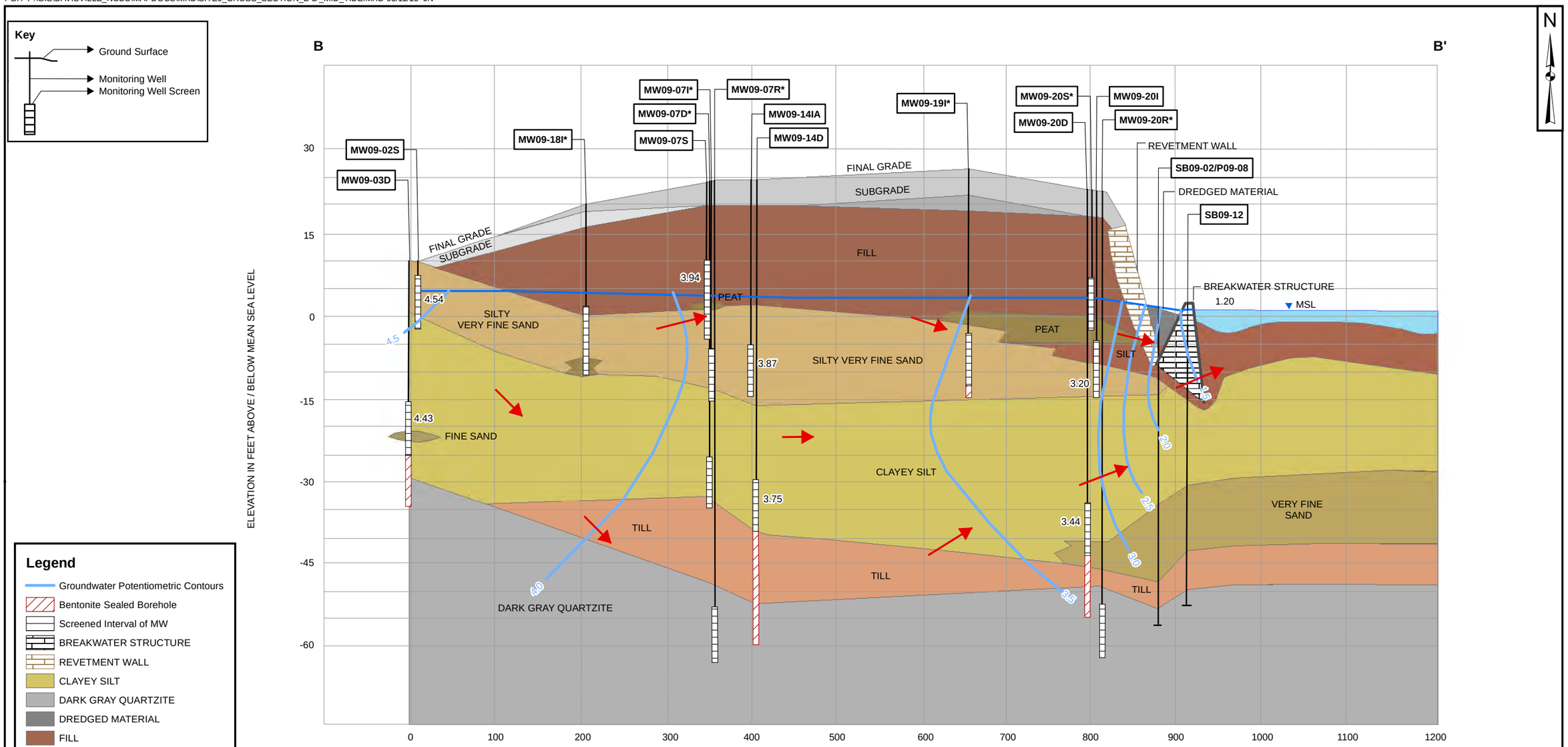
- Groundwater Potentiometric Contours
- Bentonite Sealed Borehole
- Screened Interval of MW
- BREAKWATER STRUCTURE
- REVETMENT WALL
- CLAYEY SILT
- DARK GRAY QUARTZITE
- DREDGED MATERIAL
- FILL
- FINAL GRADE
- FINE SAND
- ORIGINAL GRADE
- PEAT
- SILT
- SILTY VERY FINE SAND
- SUBGRADE
- TILL
- VERY FINE SAND
- WATER

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probably conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.
5) Elevation and subsurface of Allen Harbor beyond breakwater structure estimated based on as-built brawings, available bathymetry data and observations of the site (February 15, 2012).

SOURCE: EA Engineering, Science, and Technology; Geologic Cross-section B-B'; 8/18/03

DRAWN BY J. NOVAK	DATE 11/28/12	TETRA TECH	CONTRACT NUMBER 1813	CTO NUMBER WE01
CHECKED BY S. ANDERSON	DATE 02/27/13	CROSS SECTION B-B' - LOW TIDE THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTON, RHODE ISLAND	APPROVED BY —	DATE —
REVISED BY J. NOVAK	DATE 02/27/13		APPROVED BY —	DATE —
SCALE AS NOTED			FIGURE NO. 3-10	REV 0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_CROSS_SECTION_B-B'_MID_TIDE.MXD 03/11/13 JN



Legend

- Groundwater Potentiometric Contours
- Bentonite Sealed Borehole
- Screened Interval of MW
- BREAKWATER STRUCTURE
- REVETMENT WALL
- CLAYEY SILT
- DARK GRAY QUARTZITE
- DREDGED MATERIAL
- FILL
- FINAL GRADE
- FINE SAND
- ORIGINAL GRADE
- PEAT
- SILT
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- WATER

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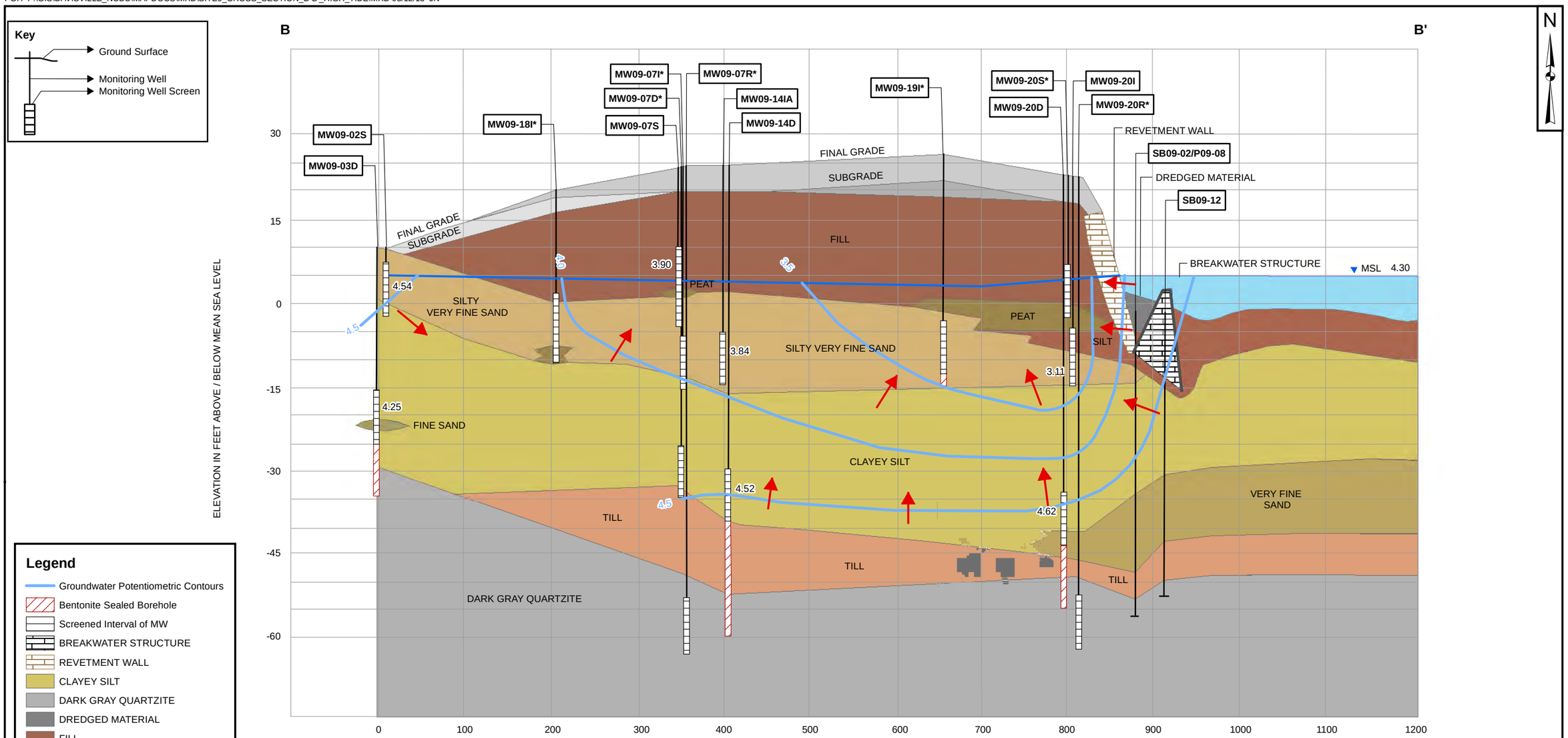
5) Elevation and subsurface of Allen Harbor beyond breakwater structure estimated based on as-built brawings, available bathymetry data and observations of the site (February 15, 2012).

SOURCE: EA Engineering, Science, and Technology; Geologic Cross-section B-B'; 8/18/03

DRAWN BY J. NOVAK	DATE 11/28/12	TETRA TECH	CONTRACT NUMBER 1813	CTO NUMBER WE01
CHECKED BY S. ANDERSON	DATE 03/11/13	CROSS SECTION B-B' - MID TIDE THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTON, RHODE ISLAND	APPROVED BY —	DATE —
REVISED BY J. NOVAK	DATE 03/11/13		APPROVED BY —	DATE —
SCALE AS NOTED			FIGURE NO. 3-11	REV 0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_CROSS_SECTION_B-B'_HIGH_TIDE.MXD 03/12/13 JN



Legend

- Groundwater Potentiometric Contours
- Bentonite Sealed Borehole
- Screened Interval of MW
- BREAKWATER STRUCTURE
- REVETMENT WALL
- CLAYEY SILT
- DARK GRAY QUARTZITE
- DREDGED MATERIAL
- FILL
- FINAL GRADE
- FINE SAND
- ORIGINAL GRADE
- PEAT
- SILT
- SILTY VERY FINE SAND
- SUBGRADE
- TILL
- VERY FINE SAND
- WATER

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SOURCE: EA Engineering, Science, and Technology; Geologic Cross-section B-B'; 8/18/03

DRAWN BY J. NOVAK	DATE 11/28/12	TETRA TECH	CONTRACT NUMBER 1813	CTO NUMBER WE01
CHECKED BY S. ANDERSON	DATE 03/12/13	CROSS SECTION B-B' - HIGH TIDE THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTON, RHODE ISLAND	APPROVED BY —	DATE —
REVISED BY J. NOVAK	DATE 03/12/13		APPROVED BY —	DATE —
SCALE AS NOTED			FIGURE NO. 3-12	REV 0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_TCE_VC_SHALLOW_28_30_32_34.MXD 11/30/12 JN

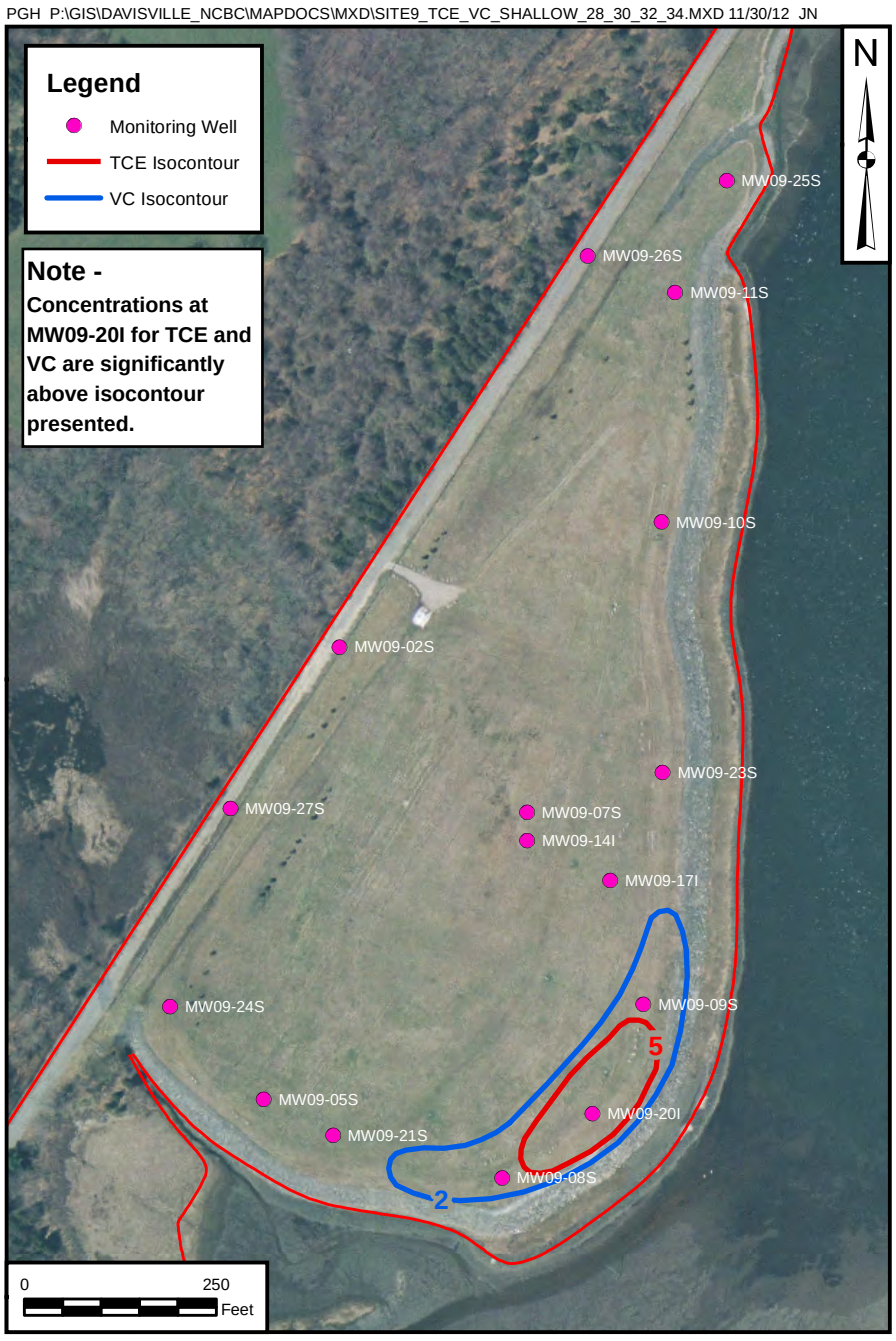


Figure 3-19A. ME28

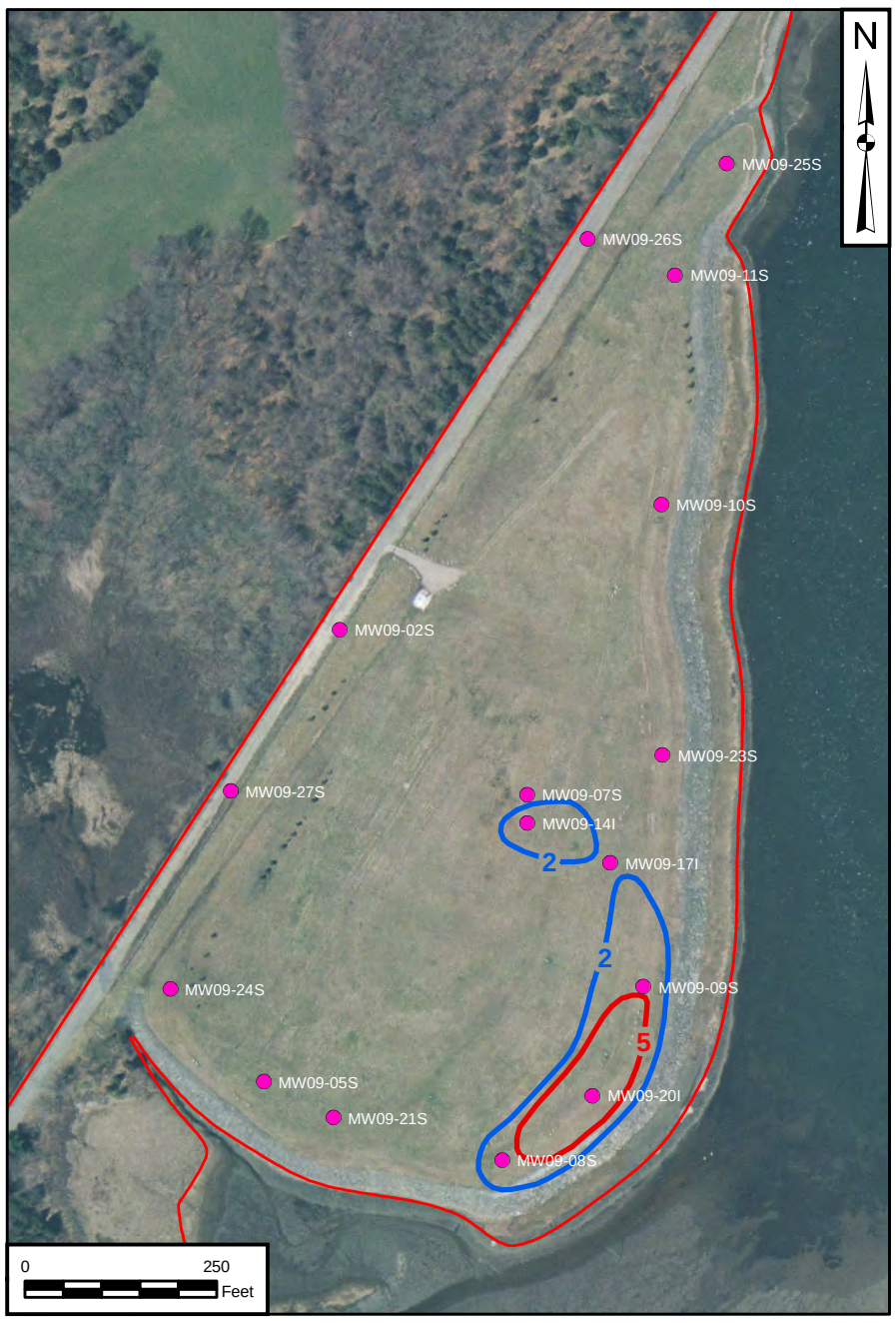


Figure 3-19B. ME30

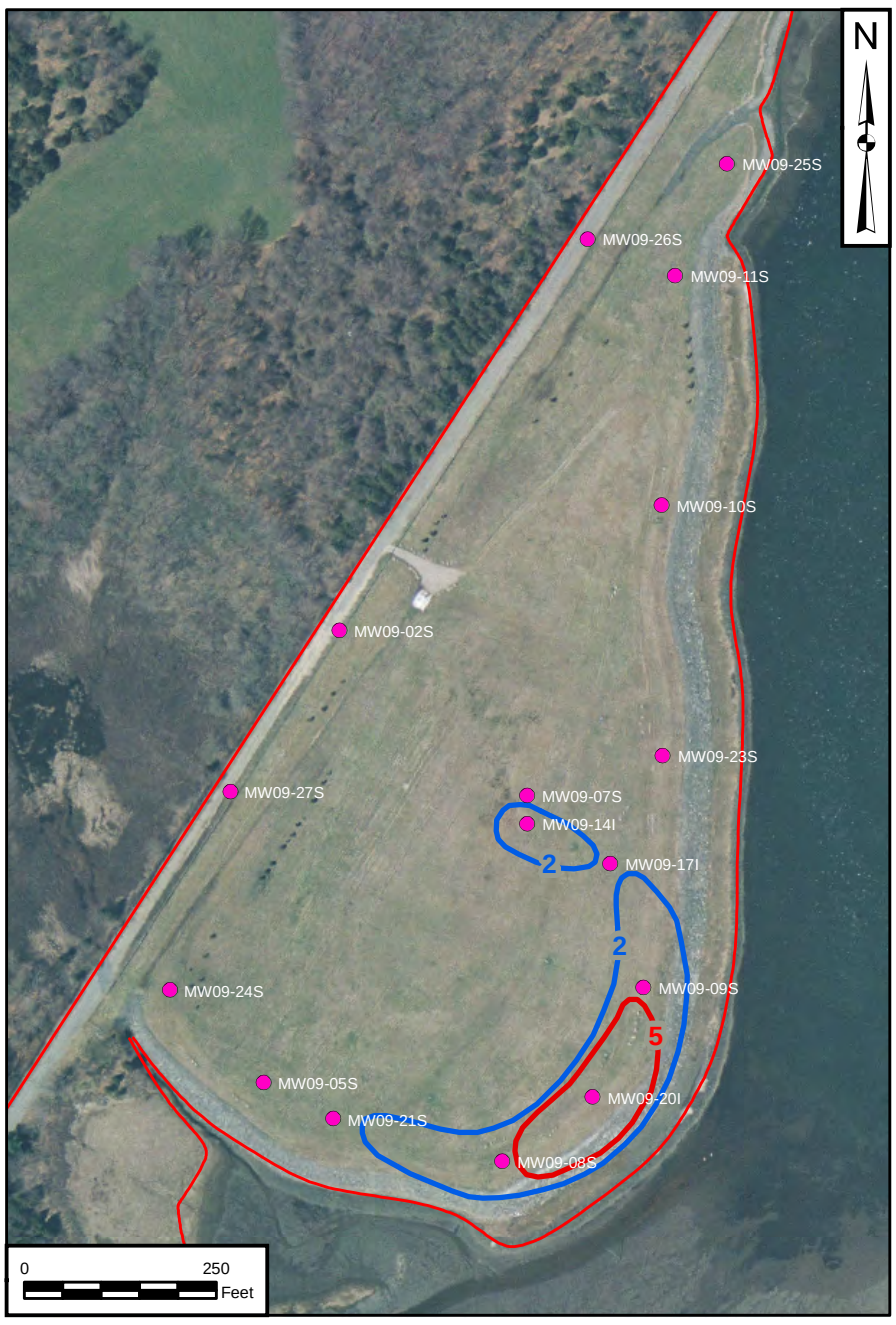


Figure 3-19C. ME32

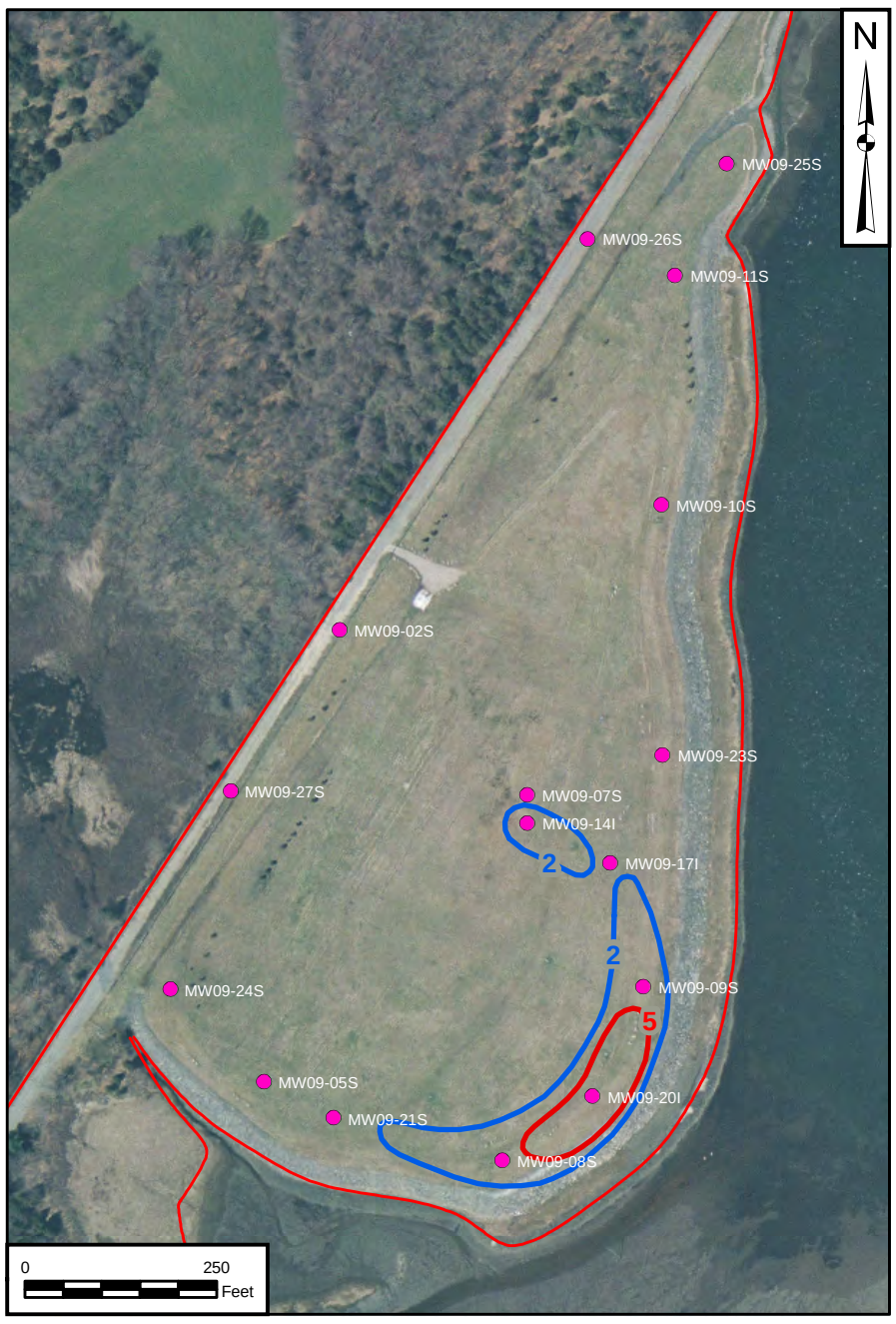


Figure 3-19D. ME34

DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. ENGLISH	09/08/11		1813	WE01
CHECKED BY	DATE	SPATIAL ANALYSIS OF TCE AND VC - SHALLOW ZONE	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	—	—
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
J. NOVAK	11/30/12	NORTH KINGSTON, RHODE ISLAND	—	—
SCALE			FIGURE NO.	REV
AS NOTED			FIGURE 3-13	0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_TCE_VC_DEEP_28_30_32_34.MXD 11/30/12 JN

Figure 3-20A. ME28

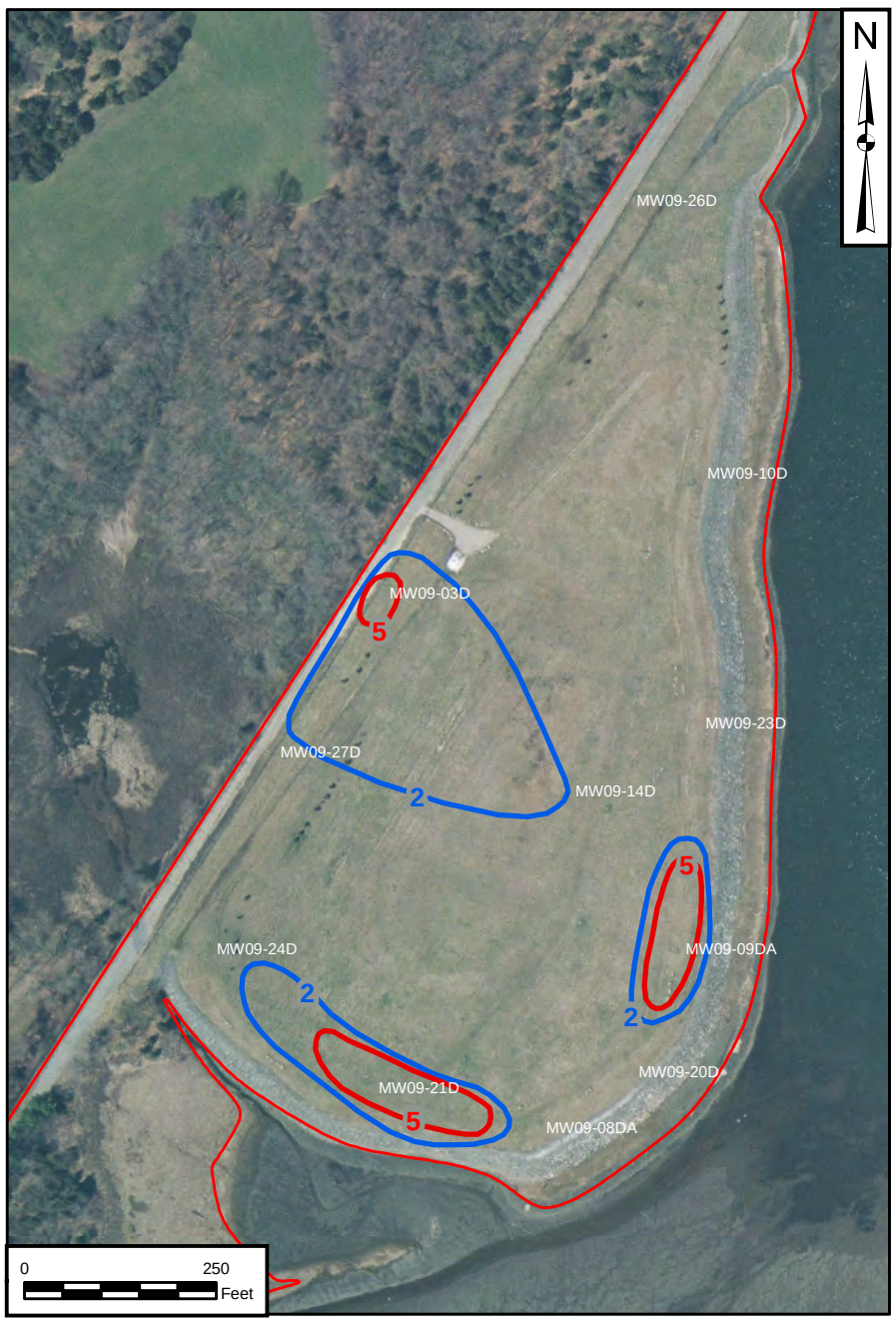


Figure 3-20B. ME30

Figure 3-20C. ME32

Figure 3-20D. ME34

DRAWN BY J. ENGLISH — DATE 09/08/11	TETRA TECH	CONTRACT NUMBER 1813	CTO NUMBER WE01
CHECKED BY S. ANDERSON — DATE 11/30/12	SPATIAL ANALYSIS OF TCE AND VC - DEEP ZONE THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTON, RHODE ISLAND	APPROVED BY — DATE —	
REVISED BY J. NOVAK — DATE 11/30/12		APPROVED BY — DATE —	
SCALE AS NOTED		FIGURE NO. FIGURE 3-14	REV 0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_TCE_BB_28_30_32_34.MXD 11/30/12 JN

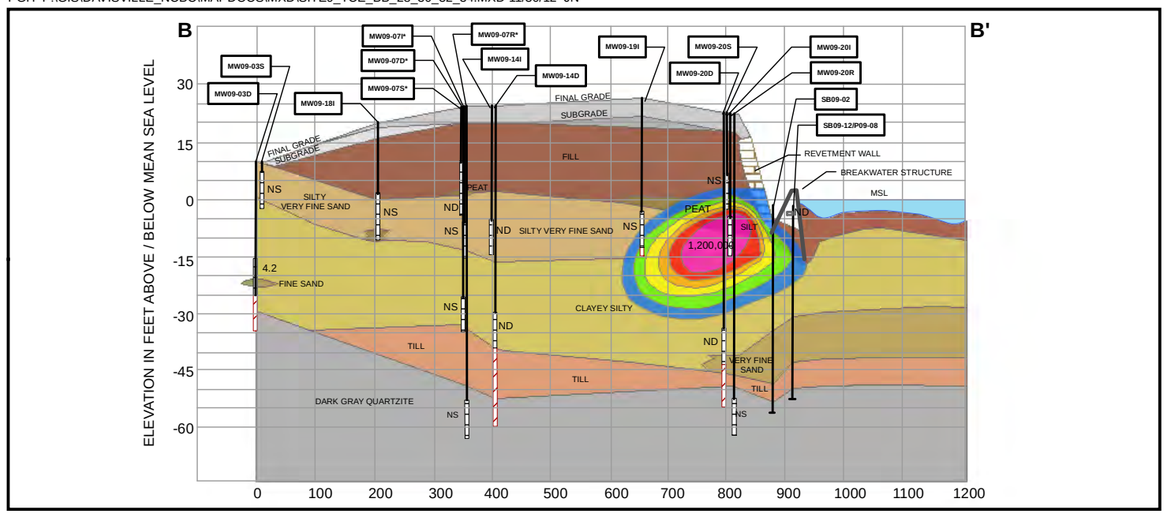


Figure 3-22A. ME-28

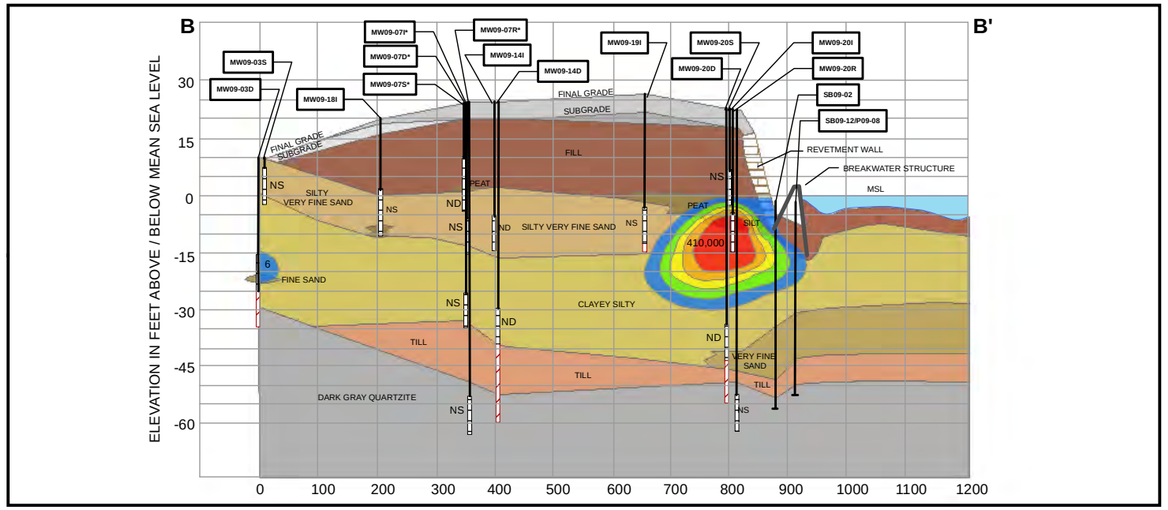


Figure 3-22B. ME-30

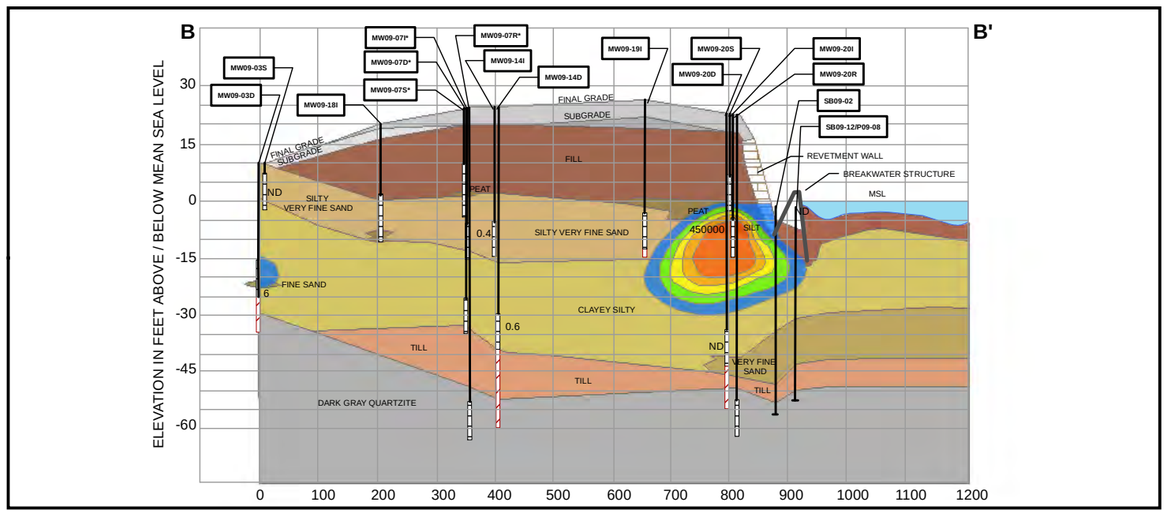


Figure 3-22C. ME-32

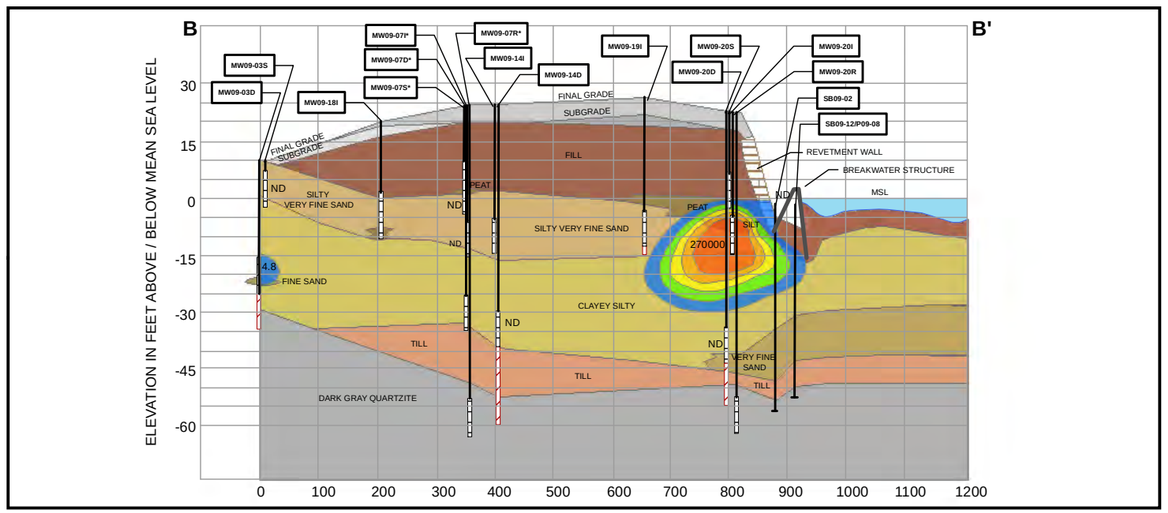


Figure 3-22D. ME-34

Legend

- CLAYEY SILT
- DARK GRAY QUARTZITE
- FILL
- FINAL GRADE
- FINE SAND
- ORIGINAL GRADE
- PEAT
- REVETMENT WALL
- SILT
- SILTY VERY FINE SAND
- SUBGRADE
- TILL
- VERY FINE SAND
- Bentonite Sealed Borehole
- Screened Interval of MW

TCE Isoconcentration in Groundwater (ug/L)

- 5
- 50
- 500
- 5000
- 50000
- 500000

Key

- Ground Surface
- Monitoring Well
- Monitoring Well Screen

Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

DRAWN BY J. ENGLISH	DATE 09/03/11	TETRA TECH	CONTRACT NUMBER 1813	CTO NUMBER WE01
CHECKED BY S. ANDERSON	DATE 11/30/12	ISOCONCENTRATION RANGES FOR TCE, CROSS SECTION B-B' THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTON, RHODE ISLAND	APPROVED BY —	DATE —
REVISED BY J. NOVAK	DATE 11/30/12		APPROVED BY —	DATE —
SCALE AS NOTED			FIGURE NO. FIGURE 3-15	REV 0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_VC_BB_28_30_32_34.MXD 11/30/12 JN

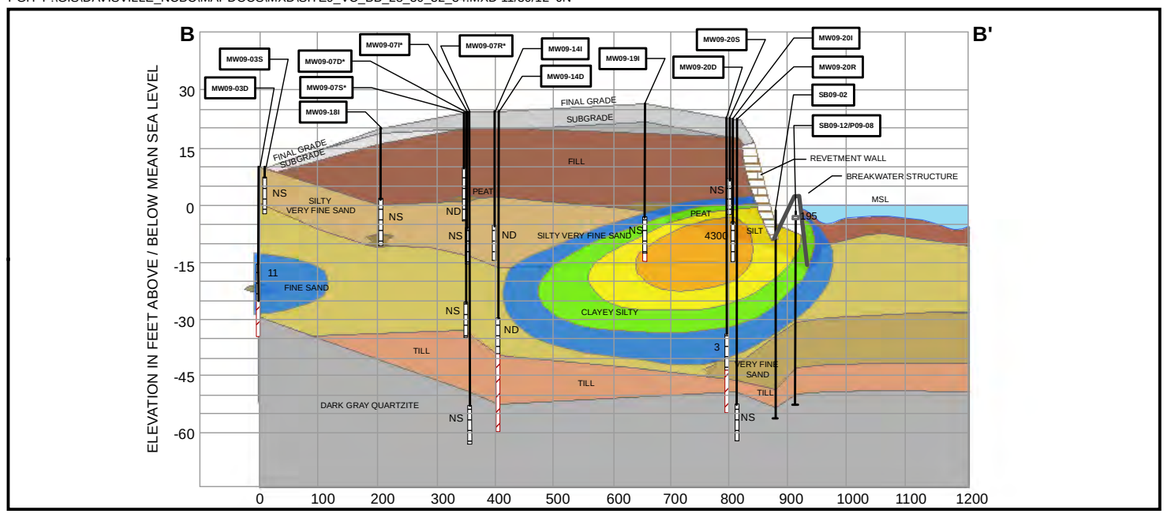


Figure 3-26A. ME-28

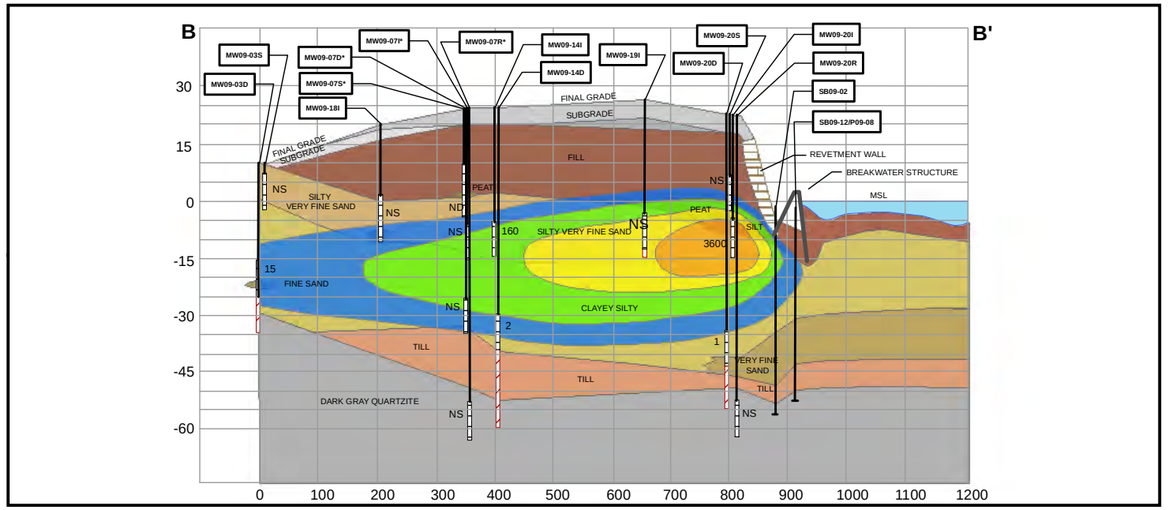


Figure 3-26B. ME-30

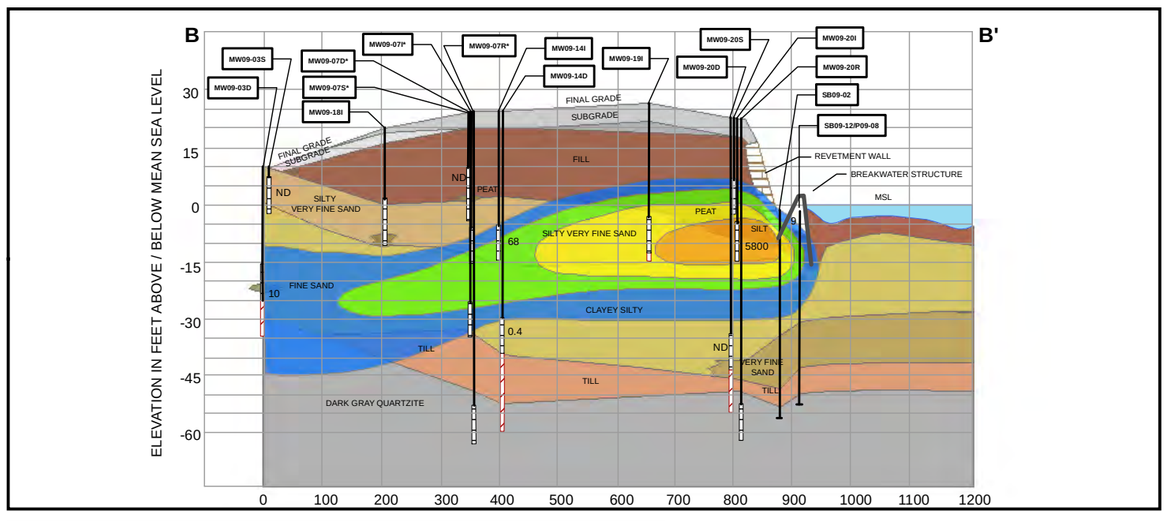


Figure 3-26C. ME-32

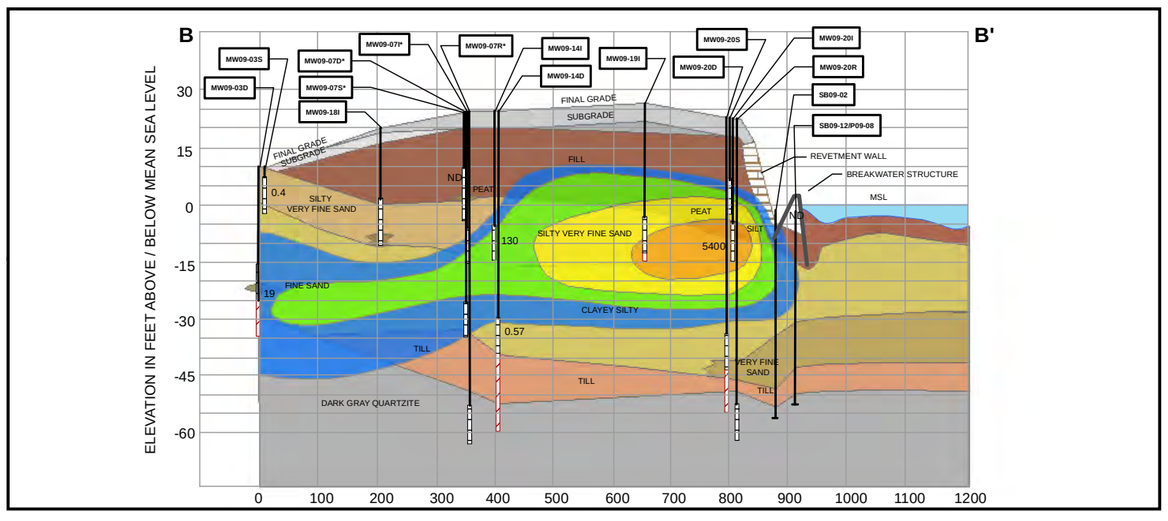


Figure 3-26D. ME-34

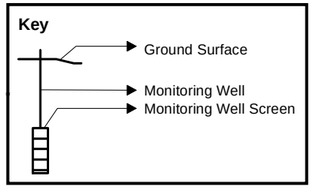
Legend

- CLAYEY SILT
- DARK GRAY QUARTZITE
- FILL
- FINAL GRADE
- FINE SAND
- ORIGINAL GRADE
- PEAT
- REVETMENT WALL
- SILT
- SILTY VERY FINE SAND
- SUBGRADE
- TILL
- VERY FINE SAND
- Bentonite Sealed Borehole
- Screened Interval of MW

VC Isoconcentration in Groundwater (ug/L)

- 2
- 20
- 200
- 2000

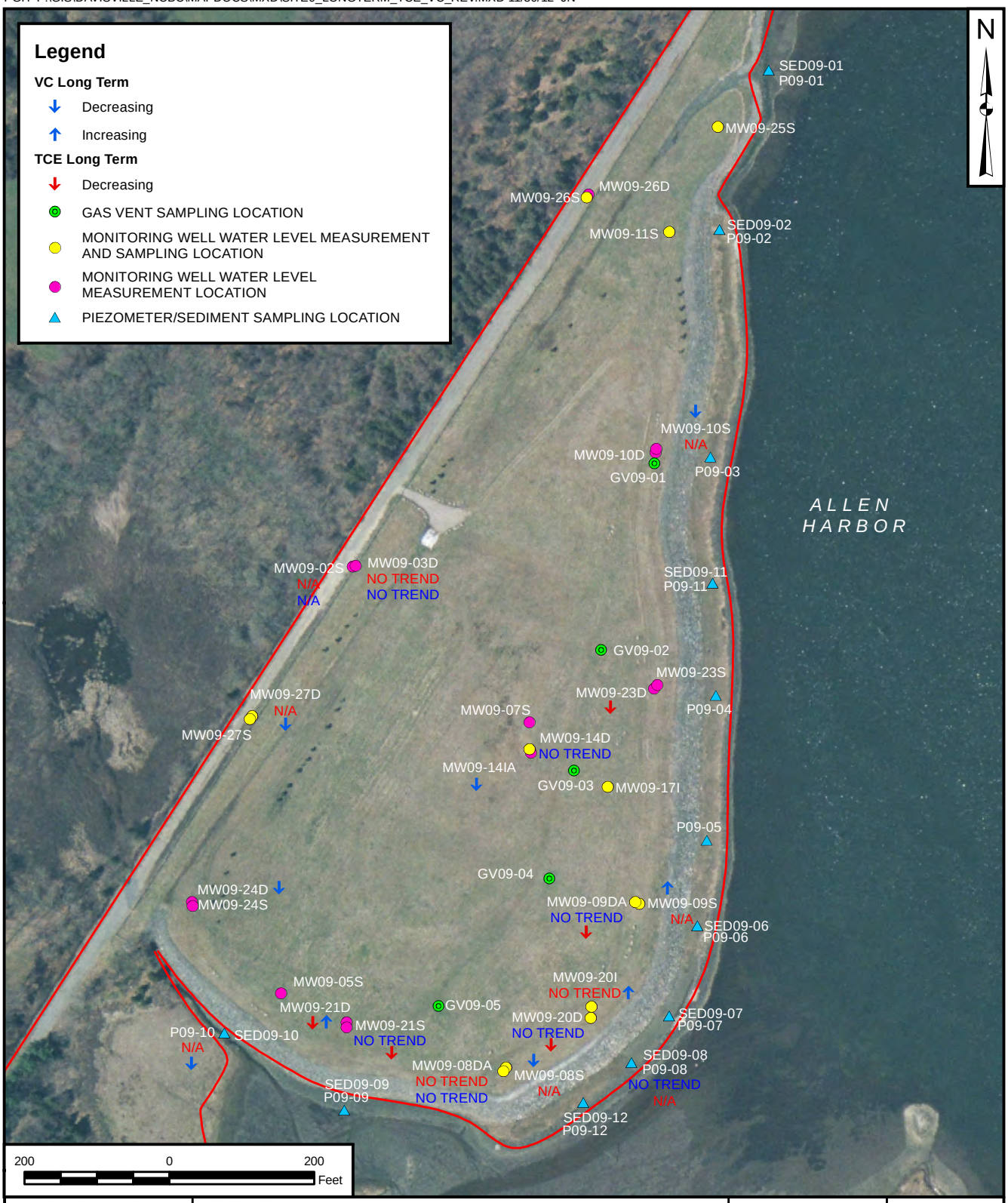
Key



Notes:
1) Horizontal distance measured to left well of pairs; center well of clusters.
2) The subsurface sections shown represent our evaluation of the most probable conditions based upon interpretation of presently available data. Some variations from these conditions exist.
3) Rollerbit drilled and cored intervals backfilled with bentonite prior to monitoring well construction.
4) * indicates the monitoring well was abandoned during landfill cap construction.

DRAWN BY J. ENGLISH	DATE 09/06/11	TETRA TECH	CONTRACT NUMBER 1813	CTO NUMBER WE01
CHECKED BY S. ANDERSON	DATE 11/30/12	ISOCONCENTRATION RANGES FOR VC, CROSS SECTION B-B' THIRD FIVE-YEAR REVIEW FORMER NCBC DAVISVILLE NORTH KINGSTON, RHODE ISLAND	APPROVED BY —	DATE —
REVISED BY J. NOVAK	DATE 11/30/12		APPROVED BY —	DATE —
SCALE AS NOTED			FIGURE NO. FIGURE 3-16	REV 0

PGH P:\GIS\DAVISVILLE_NCBC\MAPDOCS\MXD\SITE9_LONGTERM_TCE_VC_REV.MXD 11/30/12 JN



DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. ENGLISH	02/20/12		1813	WE01
CHECKED BY	DATE	LONG-TERM TREND ANALYSIS - TCE AND VC	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
J. NOVAK	11/30/12	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			FIGURE 3-17	0

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DRAWN BY	DATE	TETRA TECH	CONTRACT NUMBER	CTO NUMBER
J. ENGLISH	02/20/12		1813	WE01
CHECKED BY	DATE	LONG-TERM TREND ANALYSIS - OTHER CVOCs	APPROVED BY	DATE
S. ANDERSON	11/30/12	THIRD FIVE-YEAR REVIEW	___	___
REVISED BY	DATE	FORMER NCBC DAVISVILLE	APPROVED BY	DATE
J. NOVAK	11/30/12	NORTH KINGSTON, RHODE ISLAND	___	___
SCALE			FIGURE NO.	REV
AS NOTED			FIGURE 3-18	0