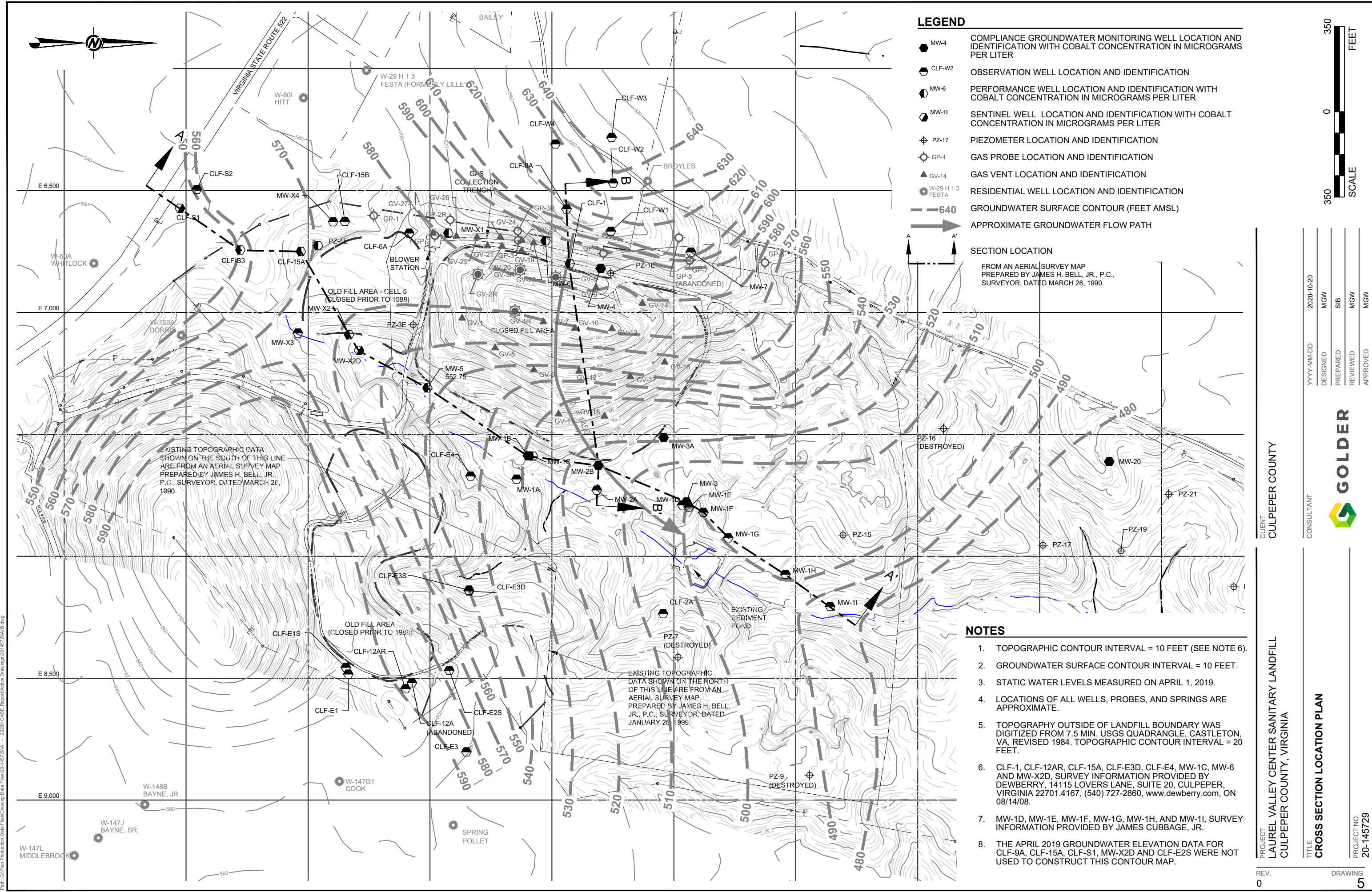


**ATTACHMENT VII  
PLUME MAPS  
DRAWINGS 5 THROUGH 16**

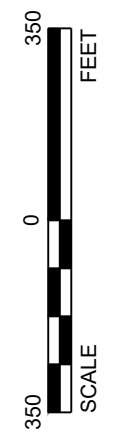


**LEGEND**

- MW-4 COMPLIANCE GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH COBALT CONCENTRATION IN MICROGRAMS PER LITER
- CLF-W2 OBSERVATION WELL LOCATION AND IDENTIFICATION
- MW-6 PERFORMANCE WELL LOCATION AND IDENTIFICATION WITH COBALT CONCENTRATION IN MICROGRAMS PER LITER
- MW-11 SENTINEL WELL LOCATION AND IDENTIFICATION WITH COBALT CONCENTRATION IN MICROGRAMS PER LITER
- PZ-17 PIEZOMETER LOCATION AND IDENTIFICATION
- GP-4 GAS PROBE LOCATION AND IDENTIFICATION
- GV-14 GAS VENT LOCATION AND IDENTIFICATION
- W-29 H 1 3 RESIDENTIAL WELL LOCATION AND IDENTIFICATION
- 640 GROUNDWATER SURFACE CONTOUR (FEET AMSL)
- APPROXIMATE GROUNDWATER FLOW PATH

**SECTION LOCATION**

FROM AN AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL, JR., P.C.,  
SURVEYOR, DATED MARCH 26, 1990.



EXISTING TOPOGRAPHIC DATA SHOWN ON THE SOUTH OF THIS LINE ARE FROM AN AERIAL SURVEY MAP PREPARED BY JAMES H. BELL, JR., P.C., SURVEYOR, DATED MARCH 26, 1990.

EXISTING TOPOGRAPHIC DATA SHOWN ON THE NORTH OF THIS LINE ARE FROM AN AERIAL SURVEY MAP PREPARED BY JAMES H. BELL, JR., P.C., SURVEYOR, DATED JANUARY 26, 1999.

- NOTES**
1. TOPOGRAPHIC CONTOUR INTERVAL = 10 FEET (SEE NOTE 6).
  2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
  3. STATIC WATER LEVELS MEASURED ON APRIL 1, 2019.
  4. LOCATIONS OF ALL WELLS, PROBES, AND SPRINGS ARE APPROXIMATE.
  5. TOPOGRAPHY OUTSIDE OF LANDFILL BOUNDARY WAS DIGITIZED FROM 7.5 MIN. USGS QUADRANGLE, CASTLETON, VA, REVISED 1984. TOPOGRAPHIC CONTOUR INTERVAL = 20 FEET.
  6. CLF-1, CLF-12AR, CLF-15A, CLF-E3D, CLF-E4, MW-1C, MW-6 AND MW-X2D, SURVEY INFORMATION PROVIDED BY DEWBERRY, 14115 LOVERS LANE, SUITE 20, CULPEPER, VIRGINIA 22701.4167, (540) 727-2860, www.dewberry.com, ON 08/14/08.
  7. MW-1D, MW-1E, MW-1F, MW-1G, MW-1H, AND MW-1I, SURVEY INFORMATION PROVIDED BY JAMES CUBBAGE, JR.
  8. THE APRIL 2019 GROUNDWATER ELEVATION DATA FOR CLF-9A, CLF-15A, CLF-S1, MW-X2D AND CLF-E2S WERE NOT USED TO CONSTRUCT THIS CONTOUR MAP.

YYYY-MM-DD	2020-10-20
DESIGNED	MGW
PREPARED	SIB
REVIEWED	MGW
APPROVED	MGW



CLIENT  
CULPEPER COUNTY

PROJECT  
LAUREL VALLEY CENTER SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

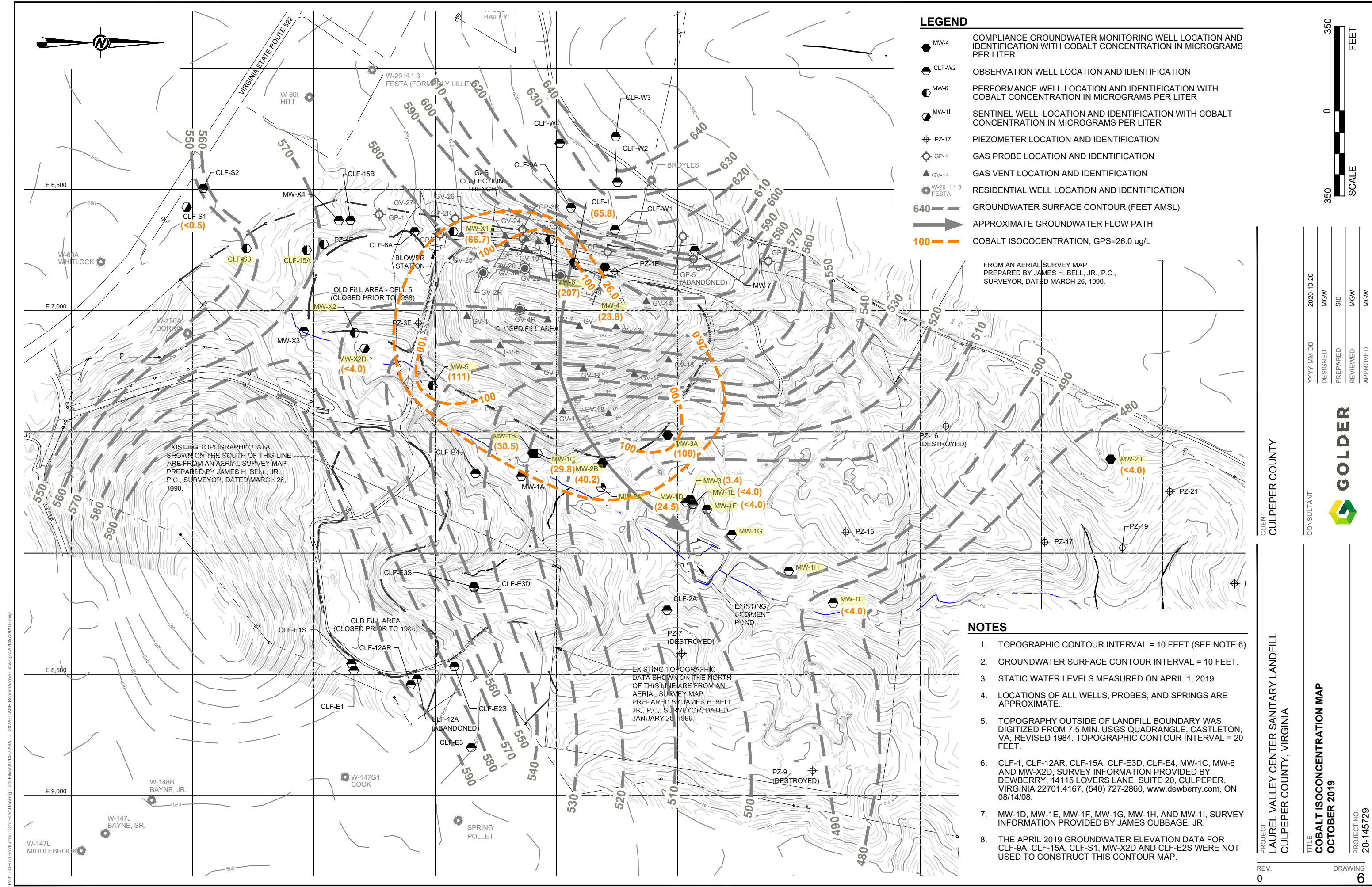
TITLE  
CROSS SECTION LOCATION PLAN

PROJECT NO.  
20-145729

REV. 0 DRAWING 5

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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B



**LEGEND**

- MW-4 COMPLIANCE GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH COBALT CONCENTRATION IN MICROGRAMS PER LITER
- CLF-W2 OBSERVATION WELL LOCATION AND IDENTIFICATION
- MW-6 PERFORMANCE WELL LOCATION AND IDENTIFICATION WITH COBALT CONCENTRATION IN MICROGRAMS PER LITER
- MW-11 SENTINEL WELL LOCATION AND IDENTIFICATION WITH COBALT CONCENTRATION IN MICROGRAMS PER LITER
- PZ-17 PIEZOMETER LOCATION AND IDENTIFICATION
- GP-4 GAS PROBE LOCATION AND IDENTIFICATION
- GV-14 GAS VENT LOCATION AND IDENTIFICATION
- W-29 H 13 FESTA RESIDENTIAL WELL LOCATION AND IDENTIFICATION
- 640 GROUNDWATER SURFACE CONTOUR (FEET AMSL)
- APPROXIMATE GROUNDWATER FLOW PATH
- 100 COBALT ISOCOCONTRATION, GPS=26.0 ug/L

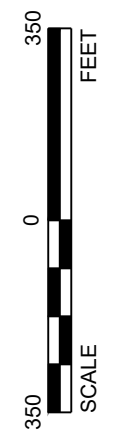
FROM AN AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL, JR., P.C.,  
SURVEYOR, DATED MARCH 26, 1990.

EXISTING TOPOGRAPHIC DATA  
SHOWN ON THE SOUTH OF THIS LINE  
ARE FROM AN AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL, JR.,  
P.C., SURVEYOR, DATED MARCH 26,  
1990.

EXISTING TOPOGRAPHIC  
DATA SHOWN ON THE NORTH  
OF THIS LINE ARE FROM AN  
AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL,  
JR., P.C., SURVEYOR, DATED  
JANUARY 26, 1999.

**NOTES**

1. TOPOGRAPHIC CONTOUR INTERVAL = 10 FEET (SEE NOTE 6).
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
3. STATIC WATER LEVELS MEASURED ON APRIL 1, 2019.
4. LOCATIONS OF ALL WELLS, PROBES, AND SPRINGS ARE APPROXIMATE.
5. TOPOGRAPHY OUTSIDE OF LANDFILL BOUNDARY WAS DIGITIZED FROM 7.5 MIN. USGS QUADRANGLE, CASTLETON, VA, REVISED 1984. TOPOGRAPHIC CONTOUR INTERVAL = 20 FEET.
6. CLF-1, CLF-12AR, CLF-15A, CLF-E3D, CLF-E4, MW-1C, MW-6 AND MW-X2D, SURVEY INFORMATION PROVIDED BY DEWBERRY, 14115 LOVERS LANE, SUITE 20, CULPEPER, VIRGINIA 22701.4167, (540) 727-2860, www.dewberry.com, ON 08/14/08.
7. MW-1D, MW-1E, MW-1F, MW-1G, MW-1H, AND MW-1I, SURVEY INFORMATION PROVIDED BY JAMES CUBBAGE, JR.
8. THE APRIL 2019 GROUNDWATER ELEVATION DATA FOR CLF-9A, CLF-15A, CLF-S1, MW-X2D AND CLF-E2S WERE NOT USED TO CONSTRUCT THIS CONTOUR MAP.



YYYY-MM-DD	2020-10-20
DESIGNED	MGW
PREPARED	SIB
REVIEWED	MGW
APPROVED	MGW



CLIENT  
CULPEPER COUNTY

PROJECT  
LAUREL VALLEY CENTER SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

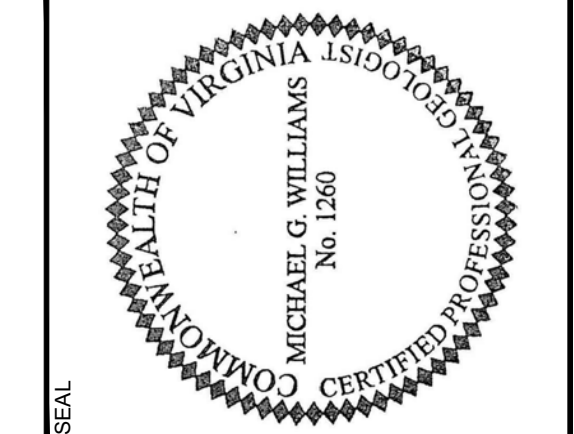
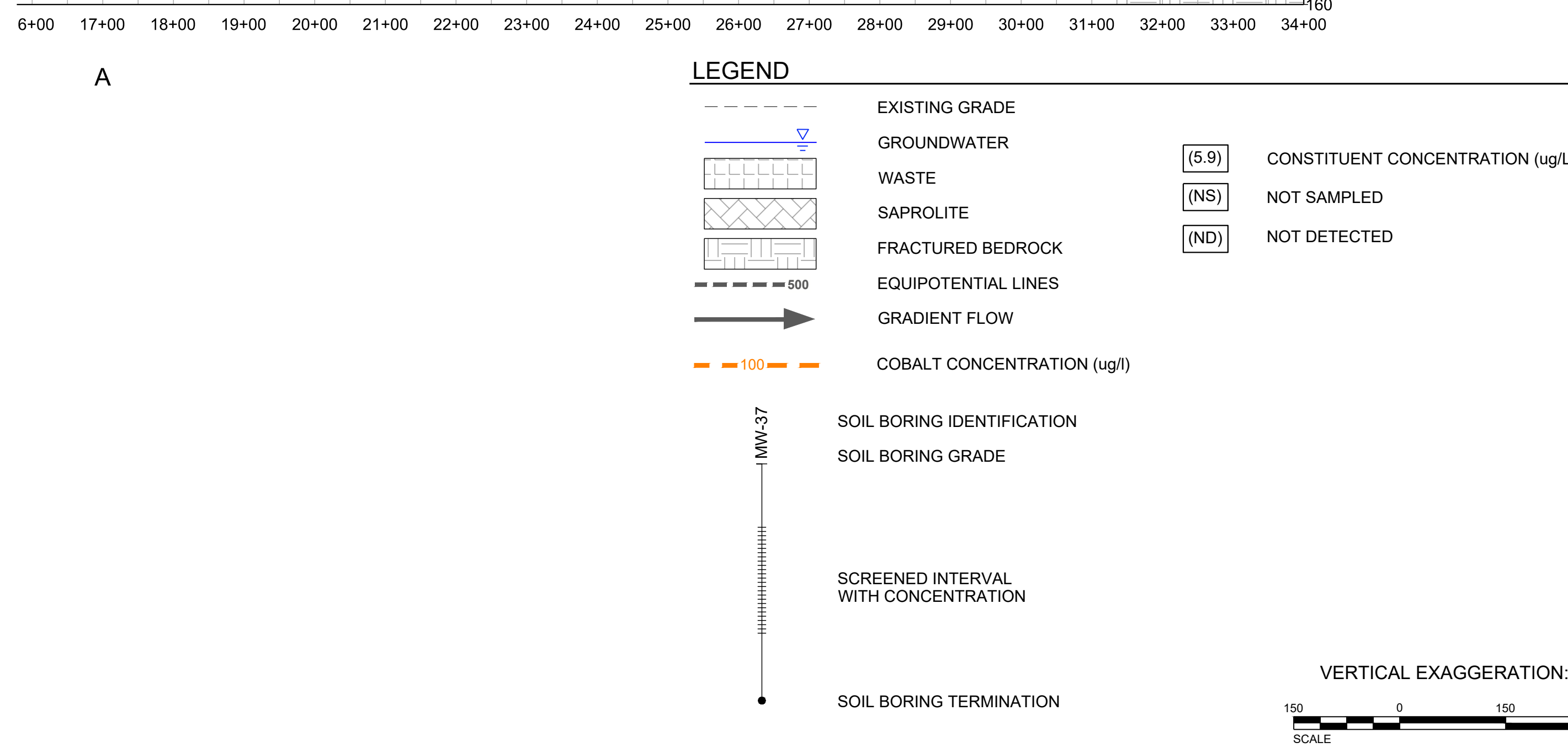
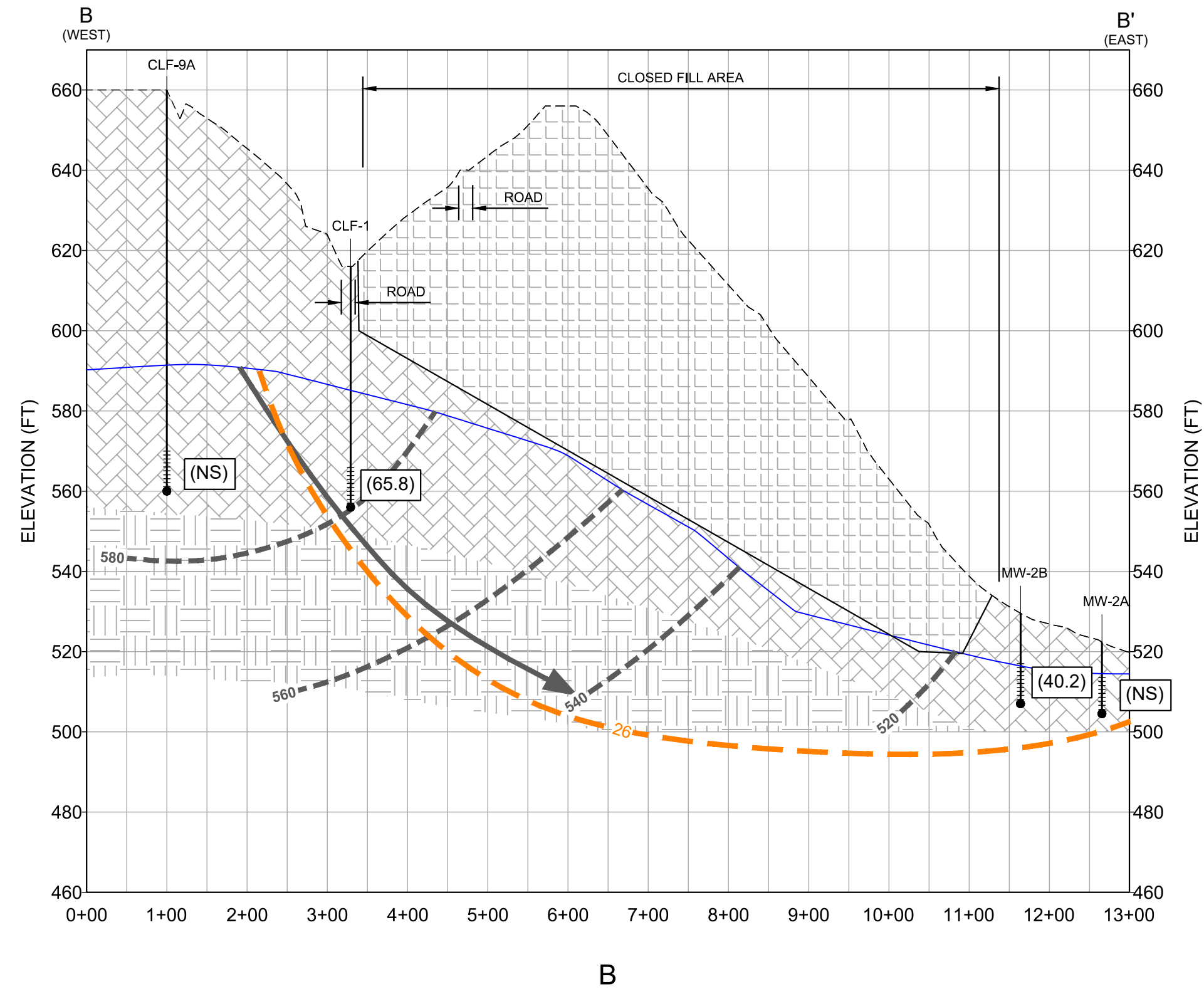
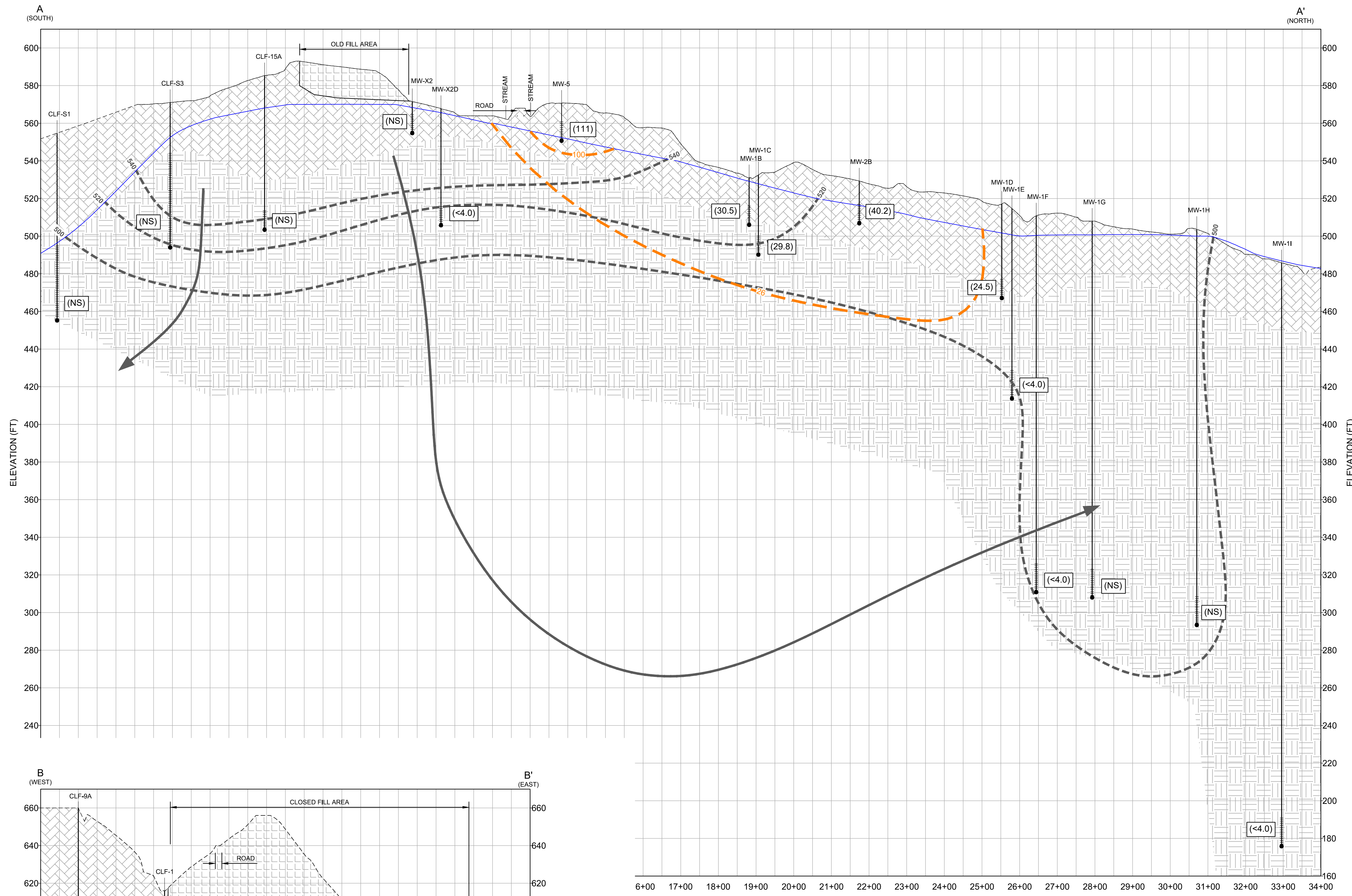
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COBALT ISOCOCONTRATION MAP  
OCTOBER 2019

PROJECT NO.  
20-145729

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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

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CLIENT  
CULPEPER COUNTY

CONSULTANT  
GOLDER ASSOCIATES  
2108 WEST LABURNUM AVENUE  
SUITE 200  
RICHMOND, VA 23227  
(804) 358-7900  
www.golder.com

**GOLDER**

PROJECT  
LAUREL VALLEY CENTER  
SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

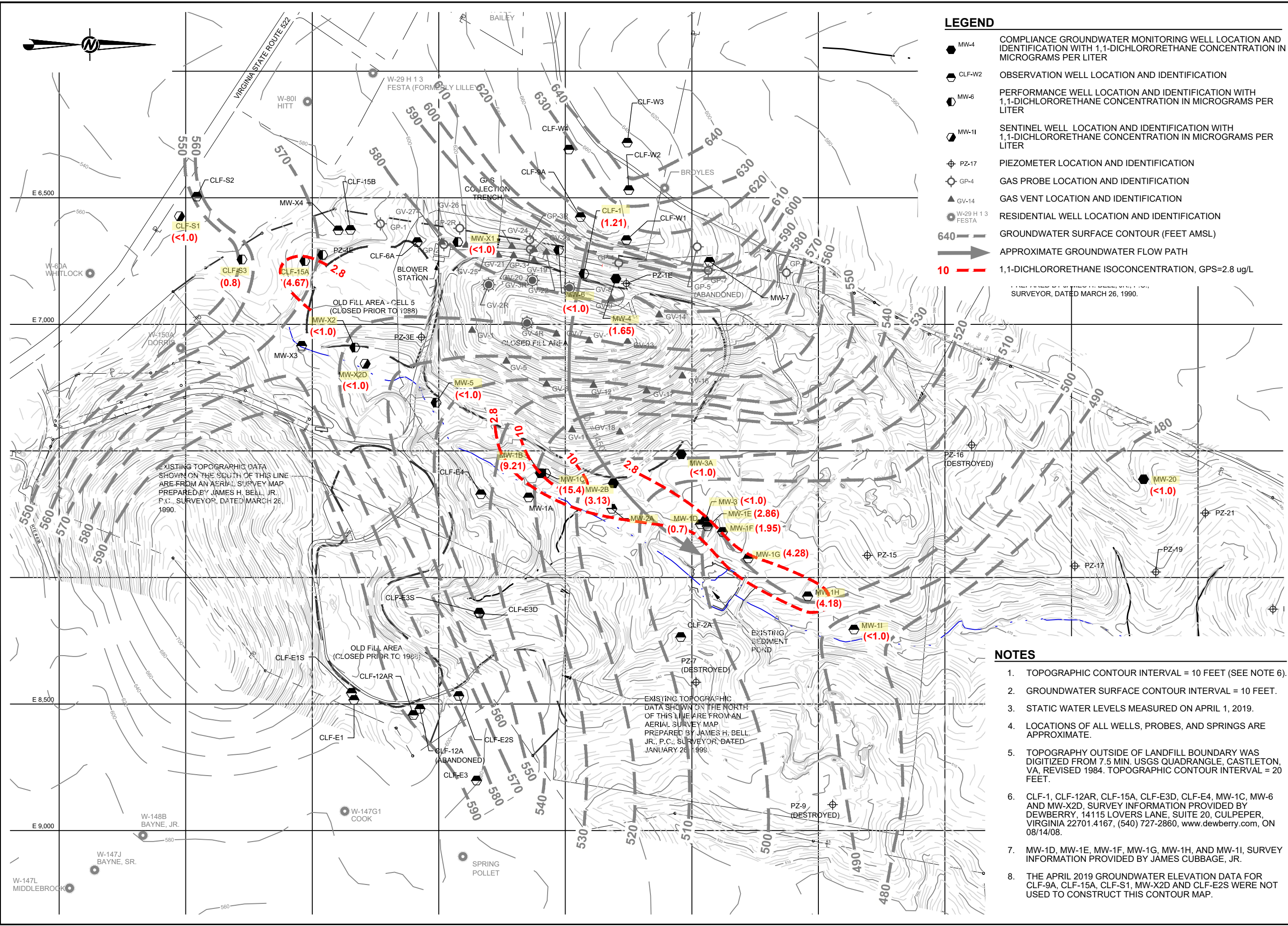
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**CROSS SECTION A-A' & B-B'**  
**COBALT**

PROJECT NO.  
20-145729

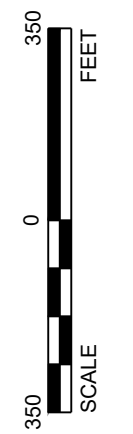
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REV.	MMIDDYY	DESCRIPTION	MGW	SIB	MGW	MLC
0	2020-10-20	ORIGINAL ISSUE				

1" IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ARCH D



- LEGEND**
- MW-4 COMPLIANCE GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH 1,1-DICHLOROETHANE CONCENTRATION IN MICROGRAMS PER LITER
  - CLF-W2 OBSERVATION WELL LOCATION AND IDENTIFICATION
  - MW-6 PERFORMANCE WELL LOCATION AND IDENTIFICATION WITH 1,1-DICHLOROETHANE CONCENTRATION IN MICROGRAMS PER LITER
  - MW-11 SENTINEL WELL LOCATION AND IDENTIFICATION WITH 1,1-DICHLOROETHANE CONCENTRATION IN MICROGRAMS PER LITER
  - PZ-17 PIEZOMETER LOCATION AND IDENTIFICATION
  - GP-4 GAS PROBE LOCATION AND IDENTIFICATION
  - GV-14 GAS VENT LOCATION AND IDENTIFICATION
  - W-29 H 13 FESTA RESIDENTIAL WELL LOCATION AND IDENTIFICATION
  - 640 GROUNDWATER SURFACE CONTOUR (FEET AMSL)
  - APPROXIMATE GROUNDWATER FLOW PATH
  - 10 1,1-DICHLOROETHANE ISOCONCENTRATION, GPS=2.8 ug/L
- DATE PLOTTED: 10/26/2020 10:20:00 AM  
 SURVEYOR, DATED MARCH 26, 1990.



EXISTING TOPOGRAPHIC DATA SHOWN ON THE SOUTH OF THIS LINE ARE FROM AN AERIAL SURVEY MAP PREPARED BY JAMES H. BELL, JR., P.C., SURVEYOR, DATED MARCH 26, 1990.

EXISTING TOPOGRAPHIC DATA SHOWN ON THE NORTH OF THIS LINE ARE FROM AN AERIAL SURVEY MAP PREPARED BY JAMES H. BELL, JR., P.C., SURVEYOR, DATED JANUARY 26, 1999.

- NOTES**
1. TOPOGRAPHIC CONTOUR INTERVAL = 10 FEET (SEE NOTE 6).
  2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
  3. STATIC WATER LEVELS MEASURED ON APRIL 1, 2019.
  4. LOCATIONS OF ALL WELLS, PROBES, AND SPRINGS ARE APPROXIMATE.
  5. TOPOGRAPHY OUTSIDE OF LANDFILL BOUNDARY WAS DIGITIZED FROM 7.5 MIN. USGS QUADRANGLE, CASTLETON, VA, REVISED 1984. TOPOGRAPHIC CONTOUR INTERVAL = 20 FEET.
  6. CLF-1, CLF-12AR, CLF-15A, CLF-E3D, CLF-E4, MW-1C, MW-6 AND MW-X2D, SURVEY INFORMATION PROVIDED BY DEWBERRY, 14115 LOVERS LANE, SUITE 20, CULPEPER, VIRGINIA 22701.4167, (540) 727-2860, www.dewberry.com, ON 08/14/08.
  7. MW-1D, MW-1E, MW-1F, MW-1G, MW-1H, AND MW-1I, SURVEY INFORMATION PROVIDED BY JAMES CUBBAGE, JR.
  8. THE APRIL 2019 GROUNDWATER ELEVATION DATA FOR CLF-9A, CLF-15A, CLF-S1, MW-X2D AND CLF-E2S WERE NOT USED TO CONSTRUCT THIS CONTOUR MAP.

YYYY-MM-DD	2020-10-20
DESIGNED	MGW
PREPARED	SIB
REVIEWED	MGW
APPROVED	MGW



CLIENT  
CULPEPER COUNTY

PROJECT  
LAUREL VALLEY CENTER SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

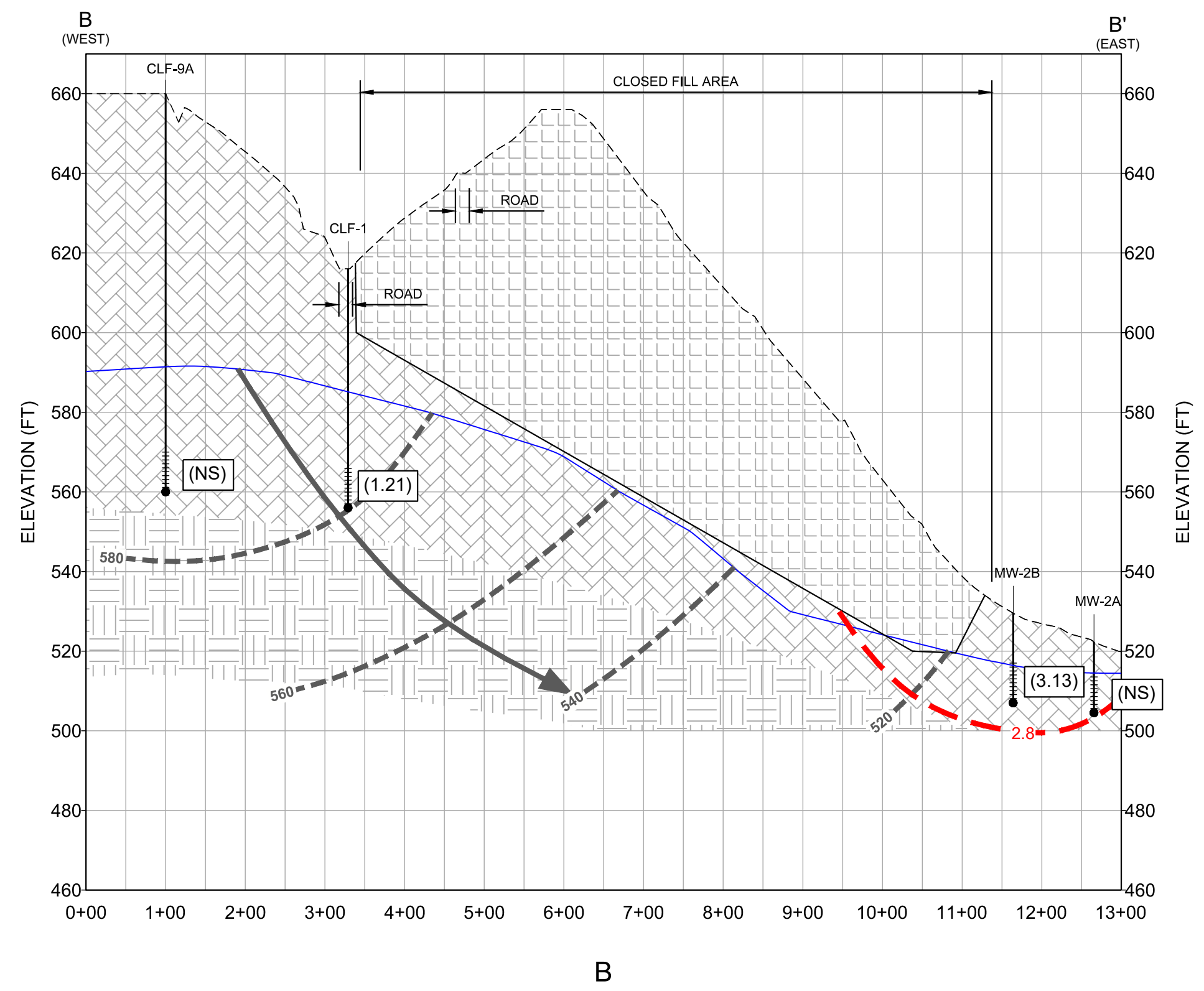
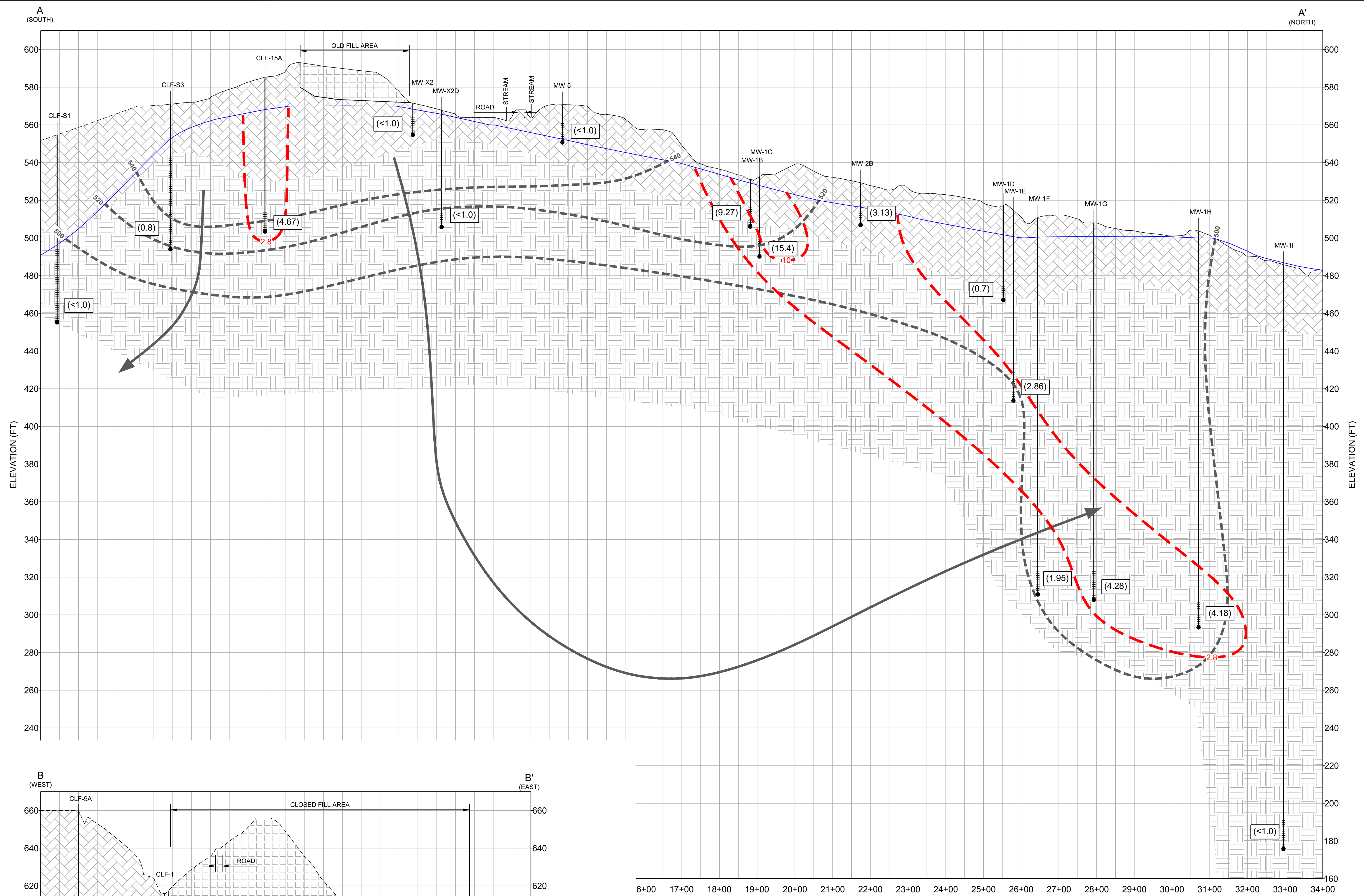
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1,1-DICHLOROETHANE ISOCONCENTRATION MAP  
OCTOBER 2019

PROJECT NO.  
20-145729

REV. 0 DRAWING 8

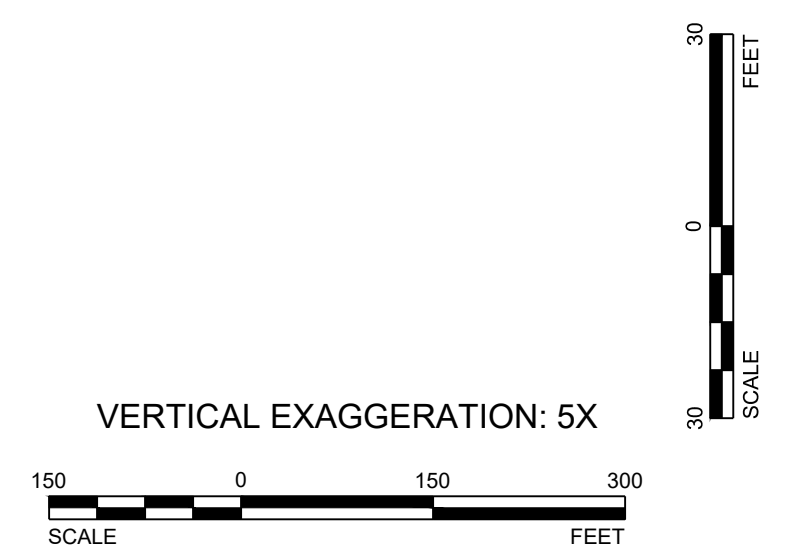
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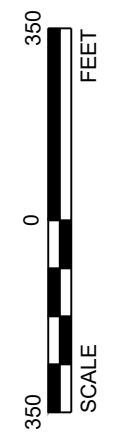
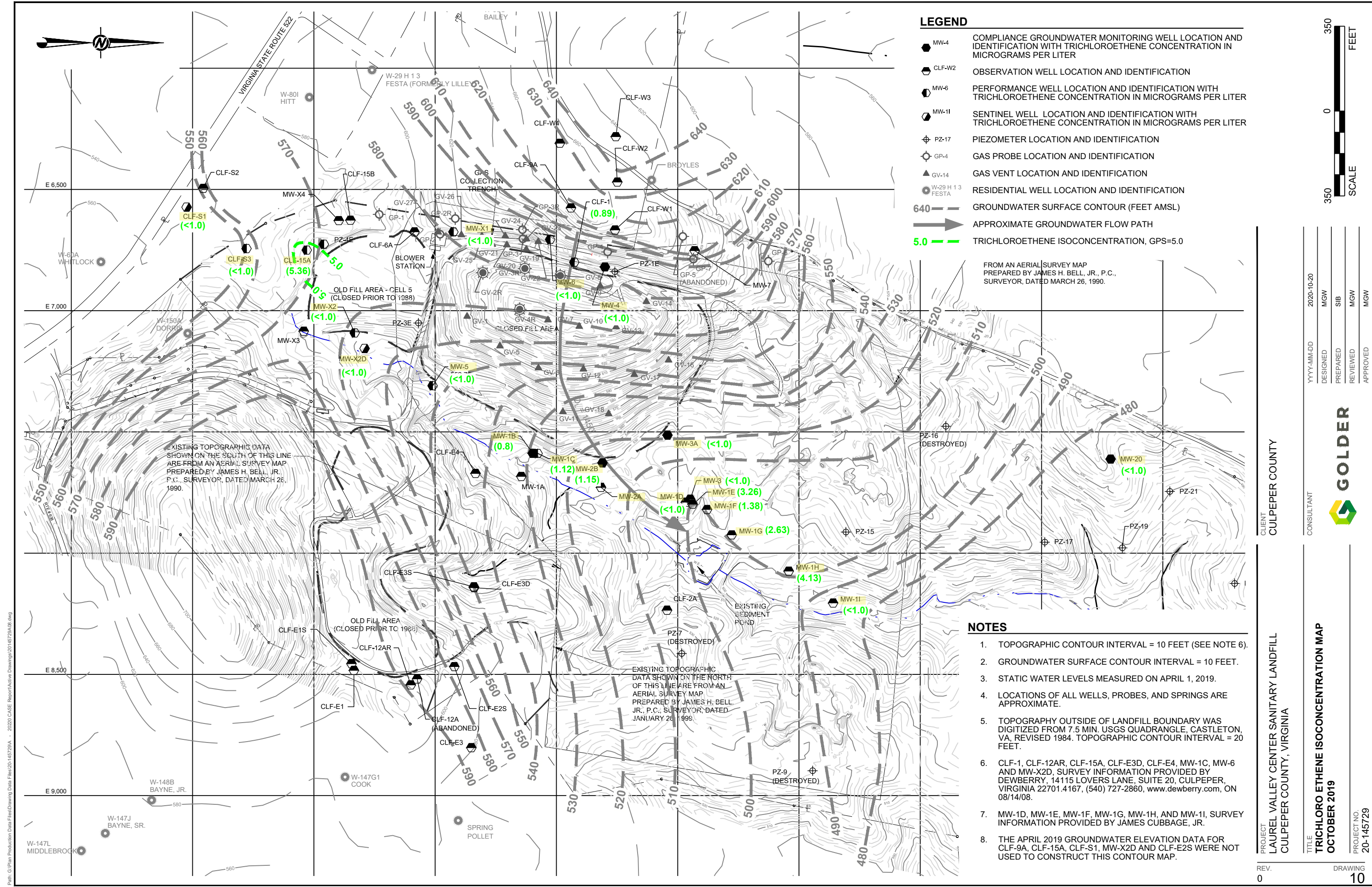
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	EXISTING GRADE		CONSTITUENT CONCENTRATION (ug/L)
	GROUNDWATER		NOT SAMPLED
	WASTE		NOT DETECTED
	SAPROLITE		
	FRACTURED BEDROCK		
	EQUIPOTENTIAL LINES		
	GRADIENT FLOW		
	1,1-DICHLOROETHANE CONCENTRATION (ug/l)		
	SOIL BORING IDENTIFICATION		
	SOIL BORING GRADE		
	SCREENED INTERVAL WITH CONCENTRATION		
	SOIL BORING TERMINATION		



<p>PROJECT LAUREL VALLEY CENTER SANITARY LANDFILL CULPEPER COUNTY, VIRGINIA</p> <p>TITLE <b>CROSS SECTION A-A' &amp; B-B'</b> 1,1-DICHLOROETHANE</p> <p>PROJECT NO. 20-145729</p>	<p>CLIENT CULPEPER COUNTY</p> <p>CONSULTANT GOLDER ASSOCIATES 2108 WEST LABURNUM AVENUE SUITE 200 RICHMOND, VA 23227 (804) 358-7900 www.golder.com</p>	<p>REV. 0 of DRAWING</p> <p>REV. 0 2020-10-20 ORIGINAL ISSUE</p> <p>REV. IMMIDDY DESCRIPTION</p> <p>MGW SIB MGW MLC DESIGN CADD CHECK REVIEW</p>
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ARCH D



YYYY-MM-DD	2020-10-20
DESIGNED	MGW
PREPARED	SIB
REVIEWED	MGW
APPROVED	MGW



CLIENT  
CULPEPER COUNTY

PROJECT  
LAUREL VALLEY CENTER SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

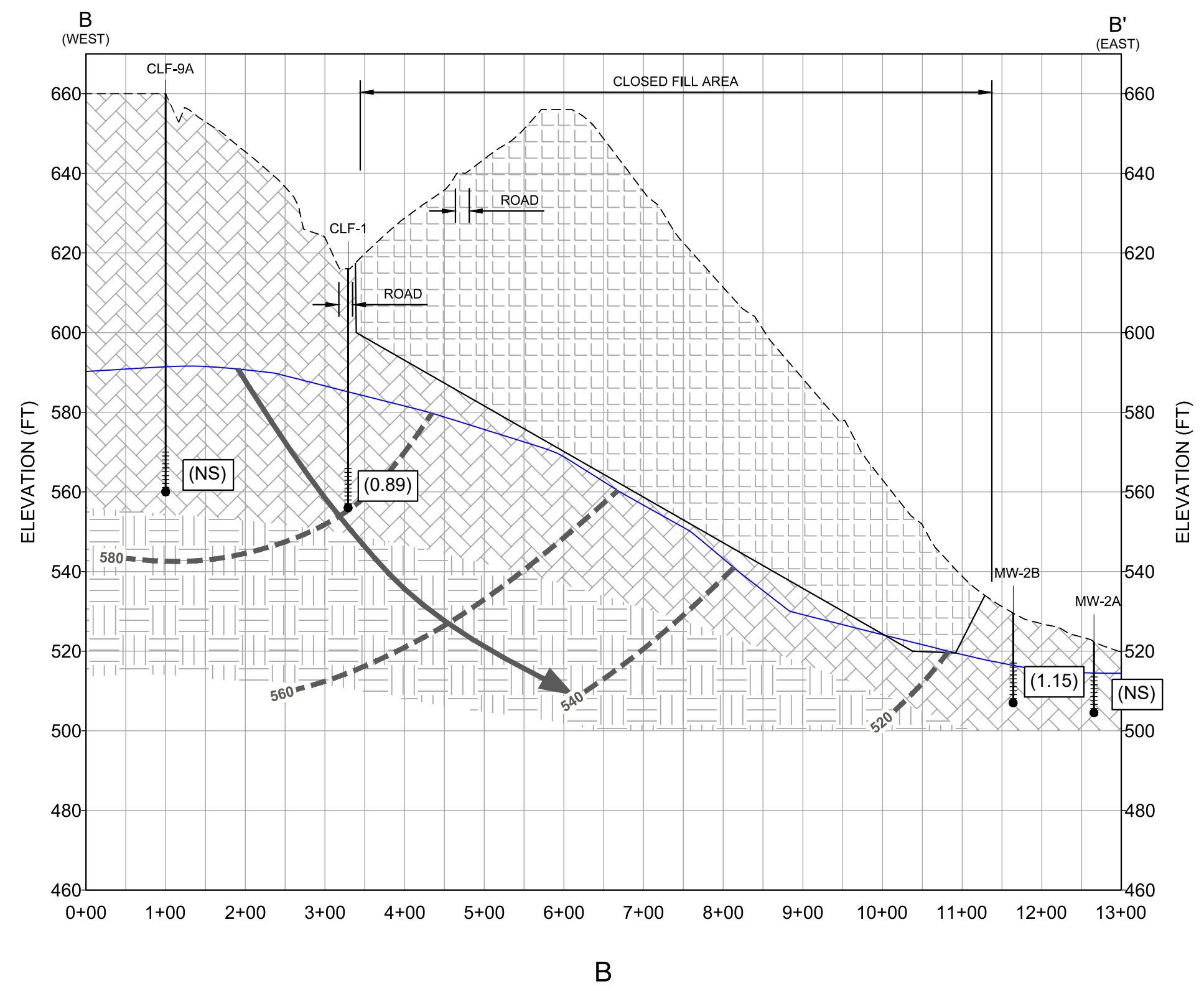
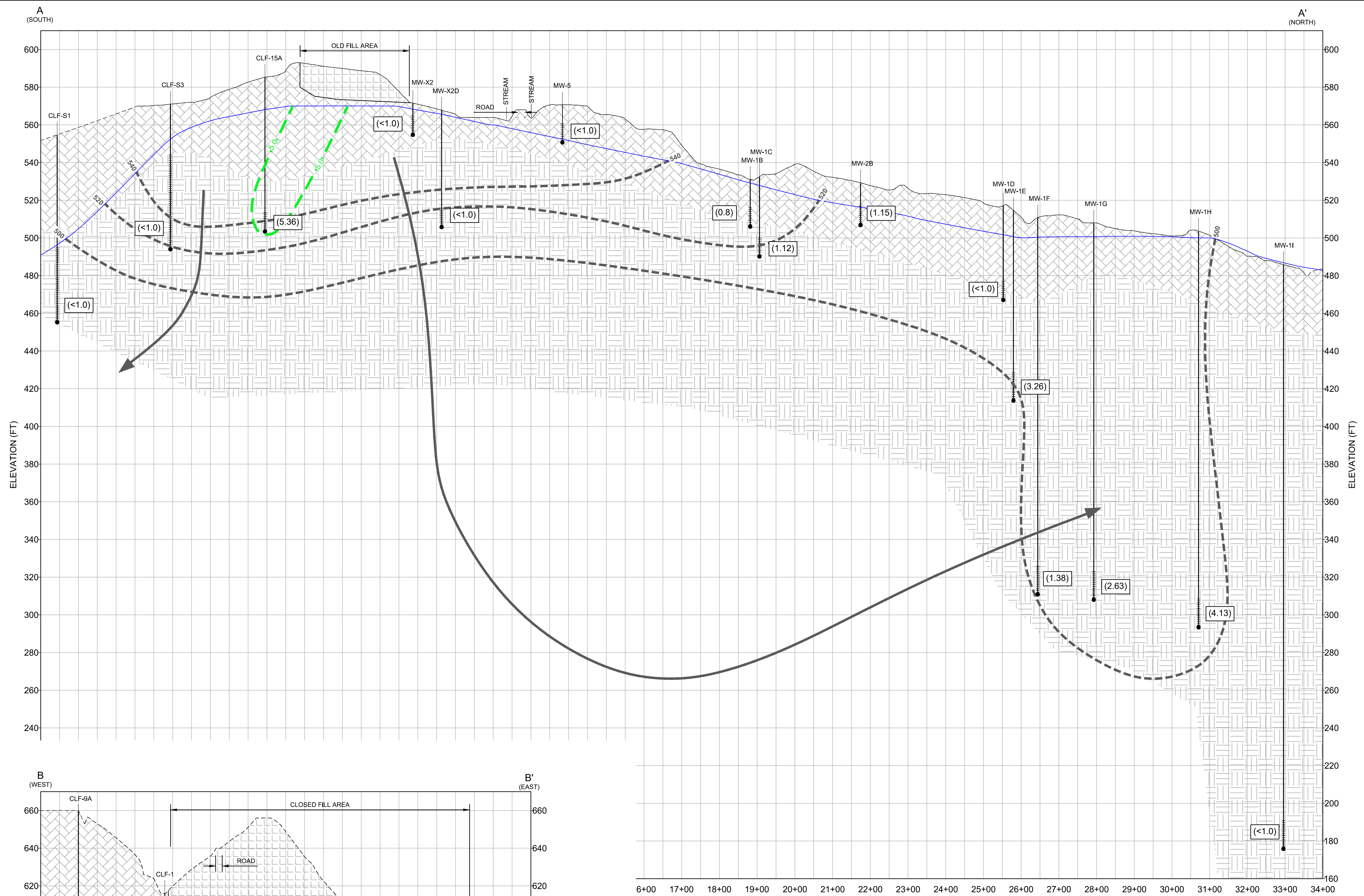
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TRICHLORO ETHENE ISOCONCENTRATION MAP  
OCTOBER 2019

PROJECT NO.  
20-145729

REV. 0 DRAWING 10

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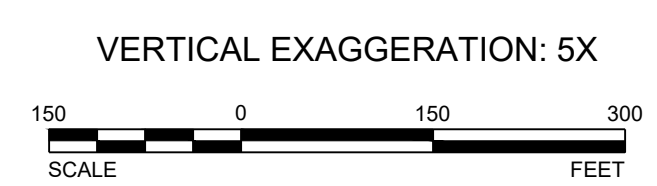
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A

B

**LEGEND**

	EXISTING GRADE		CONSTITUENT CONCENTRATION (ug/L)
	GROUNDWATER		NOT SAMPLED
	WASTE		NOT DETECTED
	SAPROLITE		
	FRACTURED BEDROCK		
	EQUIPOTENTIAL LINES		
	GRADIENT FLOW		
	TRICHLOROETHENE CONCENTRATION (ug/l)		
	SOIL BORING IDENTIFICATION		
	SOIL BORING GRADE		
	SCREENED INTERVAL WITH CONCENTRATION		
	SOIL BORING TERMINATION		



REV.	MMIDDYY	DESCRIPTION	SIB	MLC	MSW
0	2020-10-20				



CLIENT  
CULPEPER COUNTY

CONSULTANT  
GOLDER

GOLDER ASSOCIATES  
2108 WEST LABURNUM AVENUE  
SUITE 200  
RICHMOND, VA 23227  
(804) 358-7900  
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PROJECT  
LAUREL VALLEY CENTER  
SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

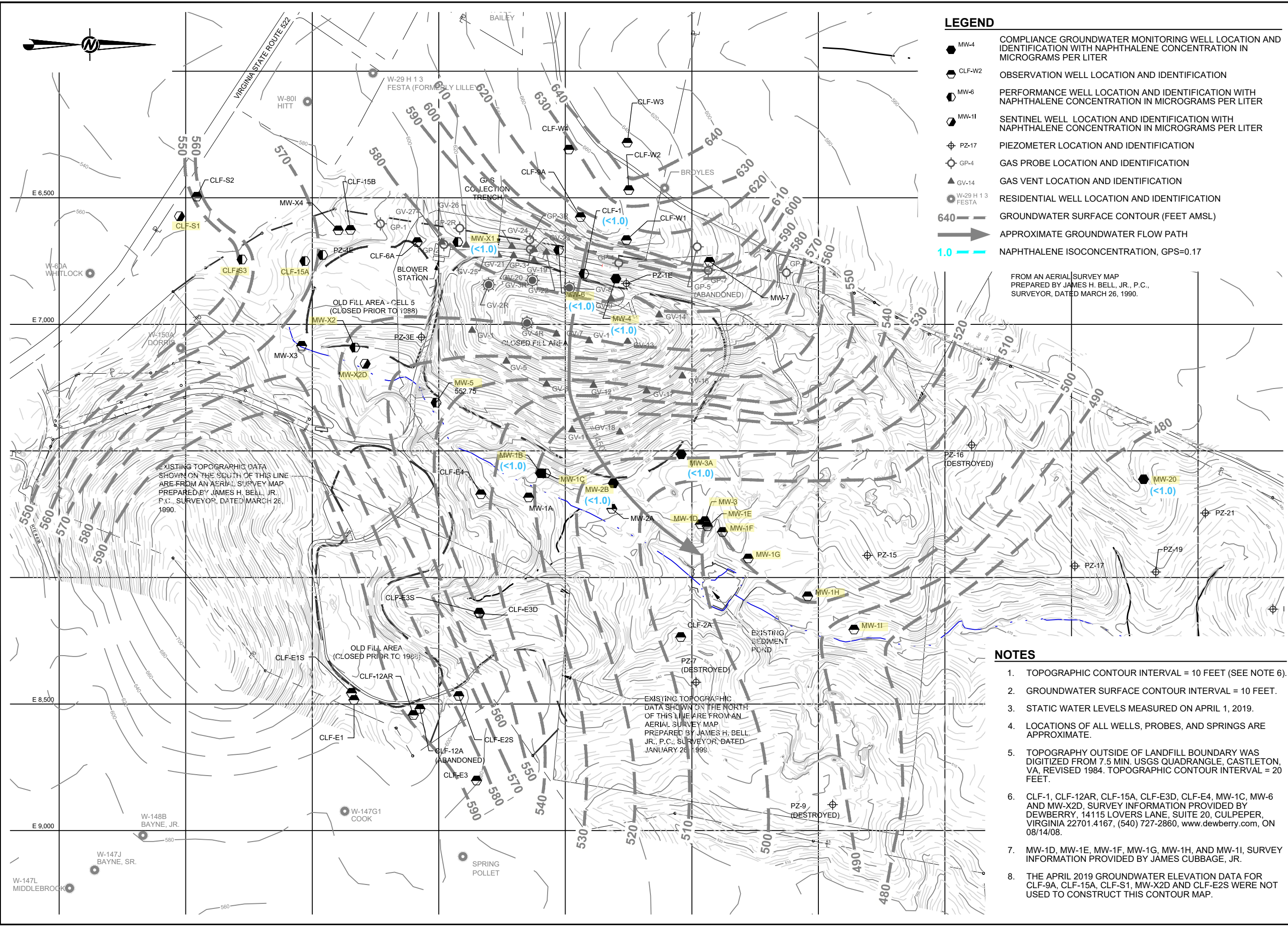
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CROSS SECTION A-A' & B-B'  
TRICHLOROETHENE

PROJECT NO.  
20-145729

REV. 0 of DRAWING 11

1" = 100' IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ARCH D





**LEGEND**

- MW-4 COMPLIANCE GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH NAPHTHALENE CONCENTRATION IN MICROGRAMS PER LITER
- CLF-W2 OBSERVATION WELL LOCATION AND IDENTIFICATION
- MW-6 PERFORMANCE WELL LOCATION AND IDENTIFICATION WITH NAPHTHALENE CONCENTRATION IN MICROGRAMS PER LITER
- MW-11 SENTINEL WELL LOCATION AND IDENTIFICATION WITH NAPHTHALENE CONCENTRATION IN MICROGRAMS PER LITER
- PZ-17 PIEZOMETER LOCATION AND IDENTIFICATION
- GP-4 GAS PROBE LOCATION AND IDENTIFICATION
- GV-14 GAS VENT LOCATION AND IDENTIFICATION
- W-29 H 13 FESTA RESIDENTIAL WELL LOCATION AND IDENTIFICATION
- 640 GROUNDWATER SURFACE CONTOUR (FEET AMSL)
- APPROXIMATE GROUNDWATER FLOW PATH
- 1.0 NAPHTHALENE ISOCONCENTRATION, GPS=0.17

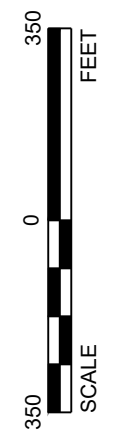
FROM AN AERIAL SURVEY MAP  
 PREPARED BY JAMES H. BELL, JR., P.C.,  
 SURVEYOR, DATED MARCH 26, 1990.

EXISTING TOPOGRAPHIC DATA  
 SHOWN ON THE SOUTH OF THIS LINE  
 ARE FROM AN AERIAL SURVEY MAP  
 PREPARED BY JAMES H. BELL, JR.,  
 P.C., SURVEYOR, DATED MARCH 26,  
 1990.

EXISTING TOPOGRAPHIC  
 DATA SHOWN ON THE NORTH  
 OF THIS LINE ARE FROM AN  
 AERIAL SURVEY MAP  
 PREPARED BY JAMES H. BELL,  
 JR., P.C., SURVEYOR, DATED  
 JANUARY 26, 1999.

**NOTES**

1. TOPOGRAPHIC CONTOUR INTERVAL = 10 FEET (SEE NOTE 6).
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3. STATIC WATER LEVELS MEASURED ON APRIL 1, 2019.
4. LOCATIONS OF ALL WELLS, PROBES, AND SPRINGS ARE APPROXIMATE.
5. TOPOGRAPHY OUTSIDE OF LANDFILL BOUNDARY WAS DIGITIZED FROM 7.5 MIN. USGS QUADRANGLE, CASTLETON, VA, REVISED 1984. TOPOGRAPHIC CONTOUR INTERVAL = 20 FEET.
6. CLF-1, CLF-12AR, CLF-15A, CLF-E3D, CLF-E4, MW-1C, MW-6 AND MW-X2D, SURVEY INFORMATION PROVIDED BY DEWBERRY, 14115 LOVERS LANE, SUITE 20, CULPEPER, VIRGINIA 22701.4167, (540) 727-2860, www.dewberry.com, ON 08/14/08.
7. MW-1D, MW-1E, MW-1F, MW-1G, MW-1H, AND MW-1I, SURVEY INFORMATION PROVIDED BY JAMES CUBBAGE, JR.
8. THE APRIL 2019 GROUNDWATER ELEVATION DATA FOR CLF-9A, CLF-15A, CLF-S1, MW-X2D AND CLF-E2S WERE NOT USED TO CONSTRUCT THIS CONTOUR MAP.



YYYY-MM-DD	2020-10-20
DESIGNED	MGW
PREPARED	SIB
REVIEWED	MGW
APPROVED	MGW



CLIENT  
 CULPEPER COUNTY

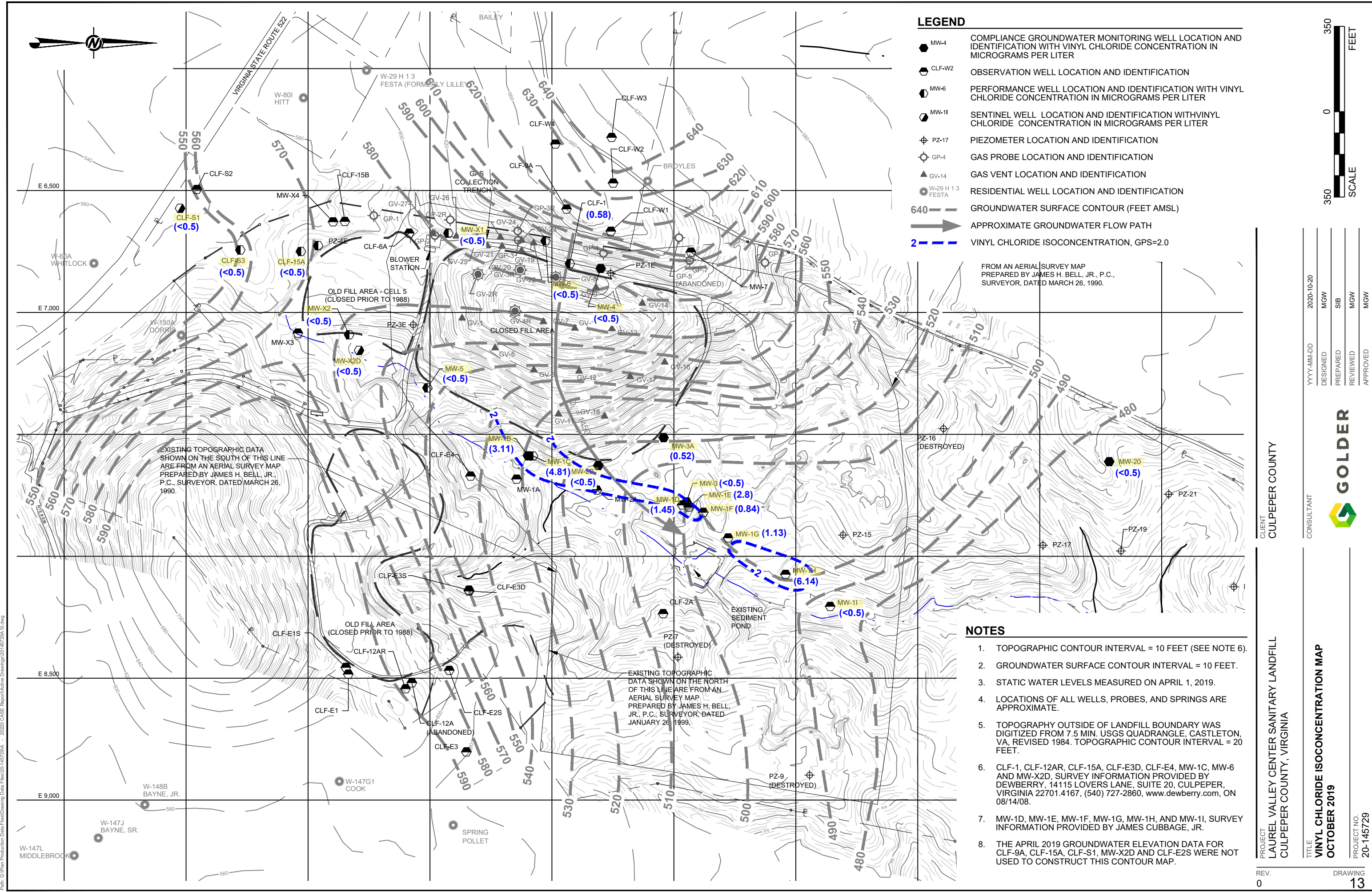
PROJECT  
 LAUREL VALLEY CENTER SANITARY LANDFILL  
 CULPEPER COUNTY, VIRGINIA

TITLE  
 NAPHTHALENE ISOCONCENTRATION MAP  
 OCTOBER 2019

PROJECT NO.  
 20-145729

Path: G:\Plan Production Data Files\Drawing Data Files\20-145729A - 2020 CASE Report\Active Drawings\20145729A.dwg

1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B



**LEGEND**

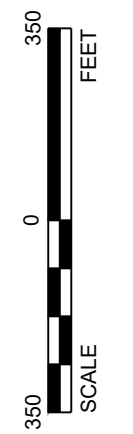
- MW-4 COMPLIANCE GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH VINYL CHLORIDE CONCENTRATION IN MICROGRAMS PER LITER
- CLF-W2 OBSERVATION WELL LOCATION AND IDENTIFICATION
- MW-6 PERFORMANCE WELL LOCATION AND IDENTIFICATION WITH VINYL CHLORIDE CONCENTRATION IN MICROGRAMS PER LITER
- MW-11 SENTINEL WELL LOCATION AND IDENTIFICATION WITH VINYL CHLORIDE CONCENTRATION IN MICROGRAMS PER LITER
- PZ-17 PIEZOMETER LOCATION AND IDENTIFICATION
- GP-4 GAS PROBE LOCATION AND IDENTIFICATION
- GV-14 GAS VENT LOCATION AND IDENTIFICATION
- W-29 H 13 FESTA RESIDENTIAL WELL LOCATION AND IDENTIFICATION
- 640 GROUNDWATER SURFACE CONTOUR (FEET AMSL)
- APPROXIMATE GROUNDWATER FLOW PATH
- 2.0 VINYL CHLORIDE ISOCONCENTRATION, GPS=2.0

FROM AN AERIAL SURVEY MAP  
 PREPARED BY JAMES H. BELL, JR., P.C.,  
 SURVEYOR, DATED MARCH 26, 1990.

EXISTING TOPOGRAPHIC DATA  
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 ARE FROM AN AERIAL SURVEY MAP  
 PREPARED BY JAMES H. BELL, JR.,  
 P.C., SURVEYOR, DATED MARCH 26,  
 1990.

EXISTING TOPOGRAPHIC  
 DATA SHOWN ON THE NORTH  
 OF THIS LINE ARE FROM AN  
 AERIAL SURVEY MAP  
 PREPARED BY JAMES H. BELL,  
 JR., P.C., SURVEYOR, DATED  
 JANUARY 26, 1999.

- NOTES**
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  2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
  3. STATIC WATER LEVELS MEASURED ON APRIL 1, 2019.
  4. LOCATIONS OF ALL WELLS, PROBES, AND SPRINGS ARE APPROXIMATE.
  5. TOPOGRAPHY OUTSIDE OF LANDFILL BOUNDARY WAS DIGITIZED FROM 7.5 MIN. USGS QUADRANGLE, CASTLETON, VA, REVISED 1984. TOPOGRAPHIC CONTOUR INTERVAL = 20 FEET.
  6. CLF-1, CLF-12AR, CLF-15A, CLF-E3D, CLF-E4, MW-1C, MW-6 AND MW-X2D, SURVEY INFORMATION PROVIDED BY DEWBERRY, 14115 LOVERS LANE, SUITE 20, CULPEPER, VIRGINIA 22701.4167, (540) 727-2860, www.dewberry.com, ON 08/14/08.
  7. MW-1D, MW-1E, MW-1F, MW-1G, MW-1H, AND MW-1I, SURVEY INFORMATION PROVIDED BY JAMES CUBBAGE, JR.
  8. THE APRIL 2019 GROUNDWATER ELEVATION DATA FOR CLF-9A, CLF-15A, CLF-S1, MW-X2D AND CLF-E2S WERE NOT USED TO CONSTRUCT THIS CONTOUR MAP.



YYYY-MM-DD	2020-10-20
DESIGNED	MGW
PREPARED	SIB
REVIEWED	MGW
APPROVED	MGW



CLIENT  
 CULPEPER COUNTY

PROJECT  
 LAUREL VALLEY CENTER SANITARY LANDFILL  
 CULPEPER COUNTY, VIRGINIA

TITLE  
 VINYL CHLORIDE ISOCONCENTRATION MAP  
 OCTOBER 2019

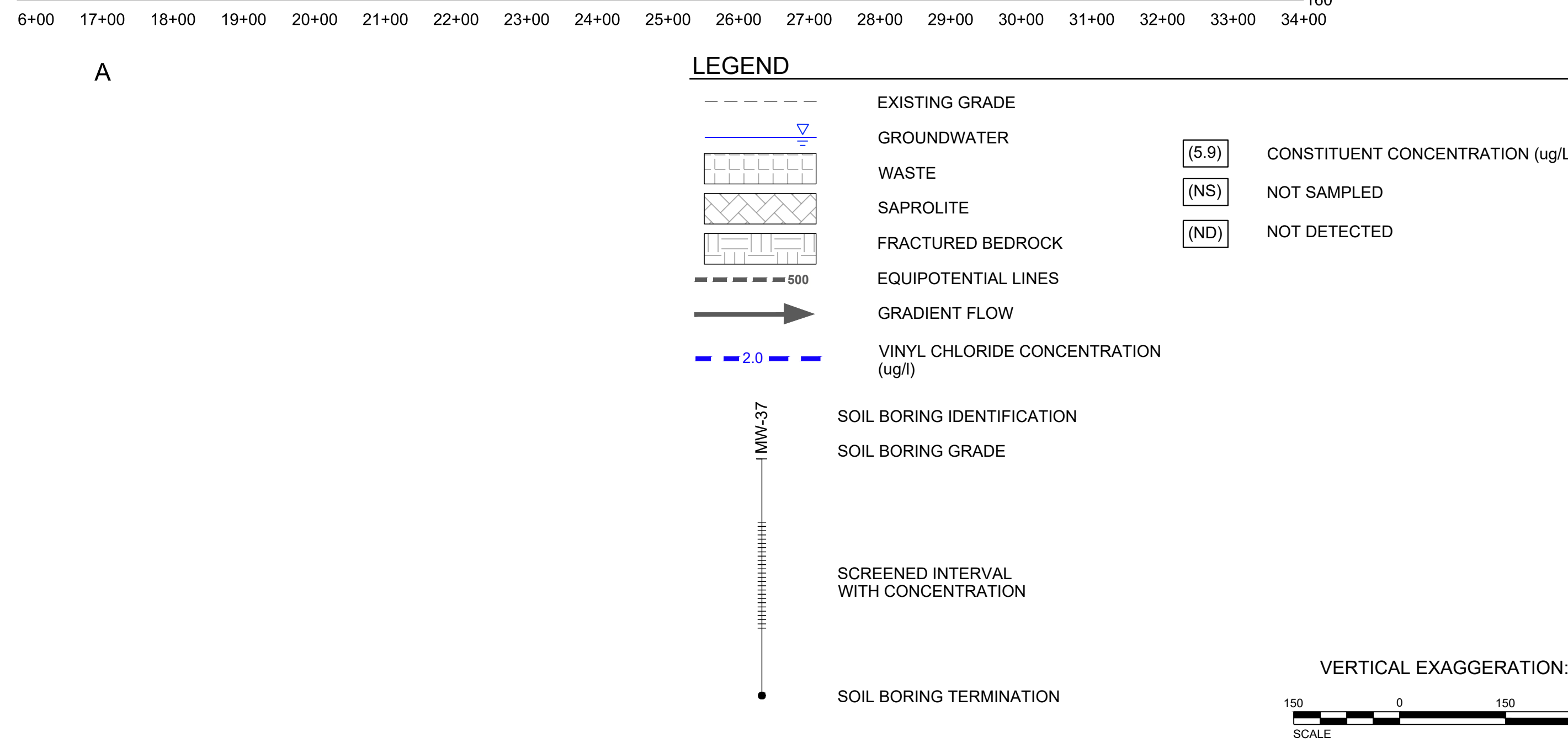
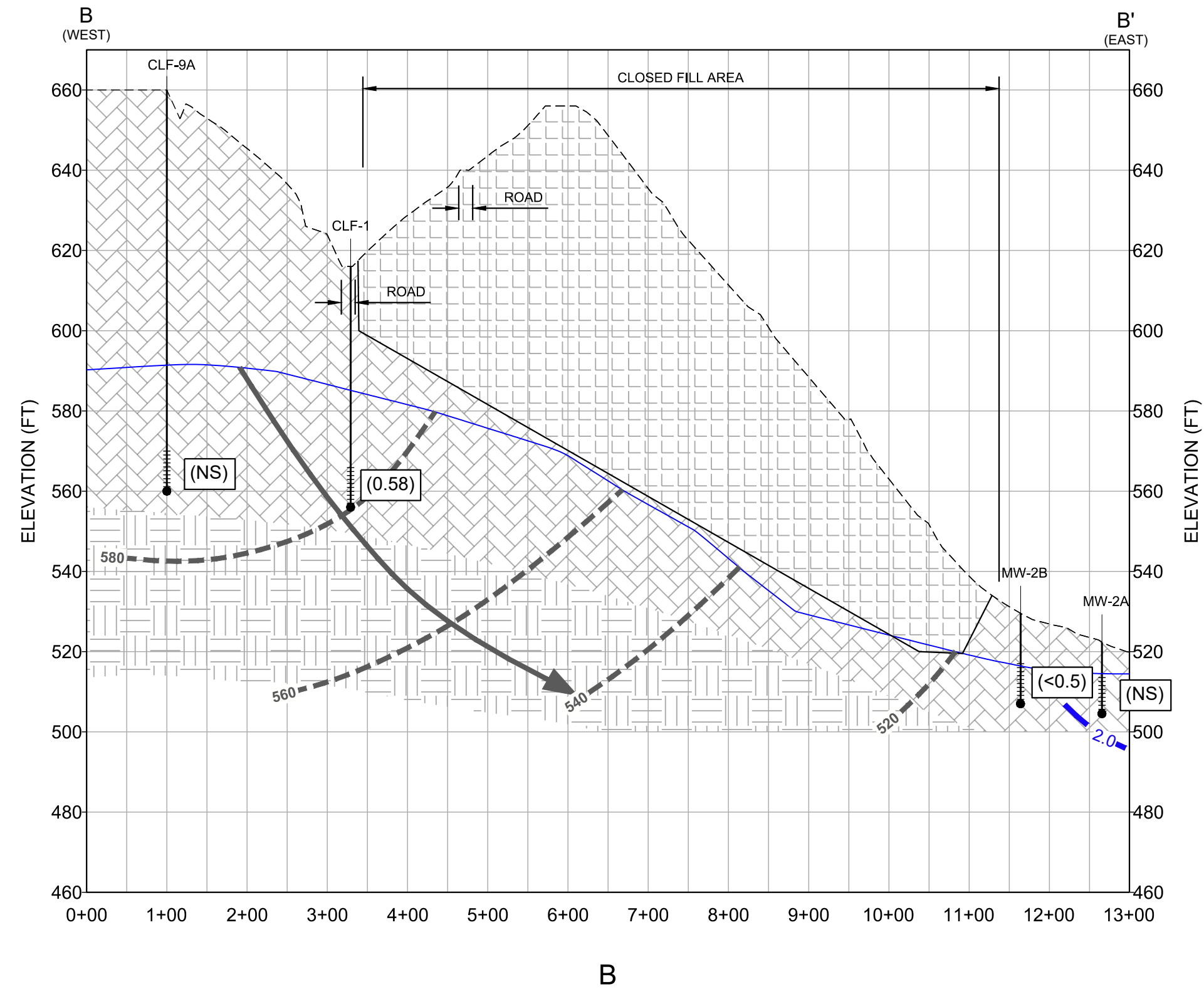
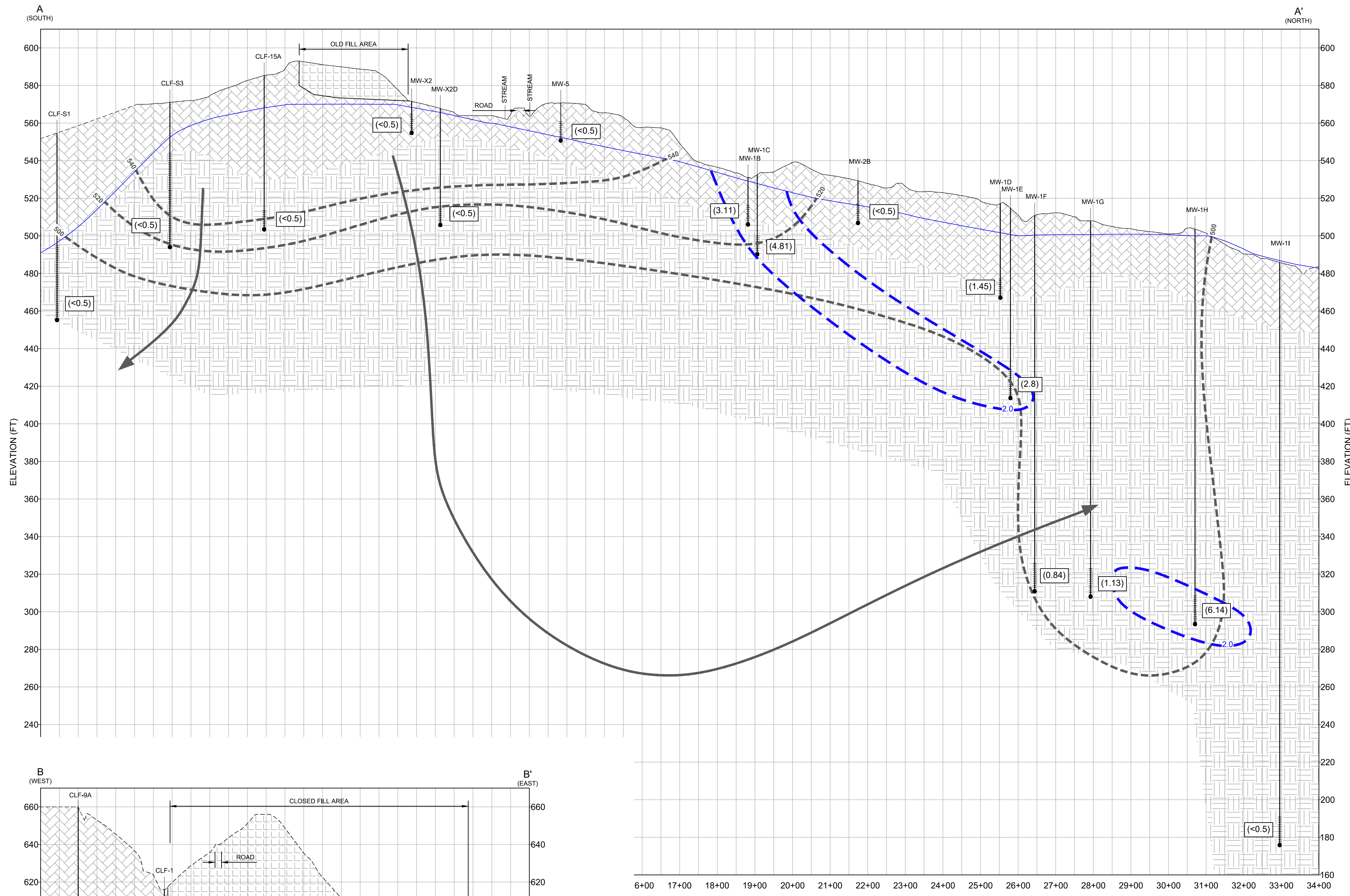
PROJECT NO.  
 20-145729

REV. 0 DRAWING 13

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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

Path: G:\Plan Production Data\Drawing Data Files\20-145729-A - 2020 CASE Report\Active Drawings\Section-Vinyl.dwg



CLIENT  
CULPEPER COUNTY

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GOLDER ASSOCIATES  
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RICHMOND, VA 23227  
(804) 358-7900  
www.golder.com



PROJECT  
LAUREL VALLEY CENTER  
SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

TITLE  
CROSS SECTION A-A' & B-B'  
VINYL CHLORIDE

PROJECT NO.  
20-145729

REV. 0 of DRAWING 14

### 2020-10-20

REV. IMMIDDY DESCRIPTION

SIB CADD DESIGN

MLC CHECK

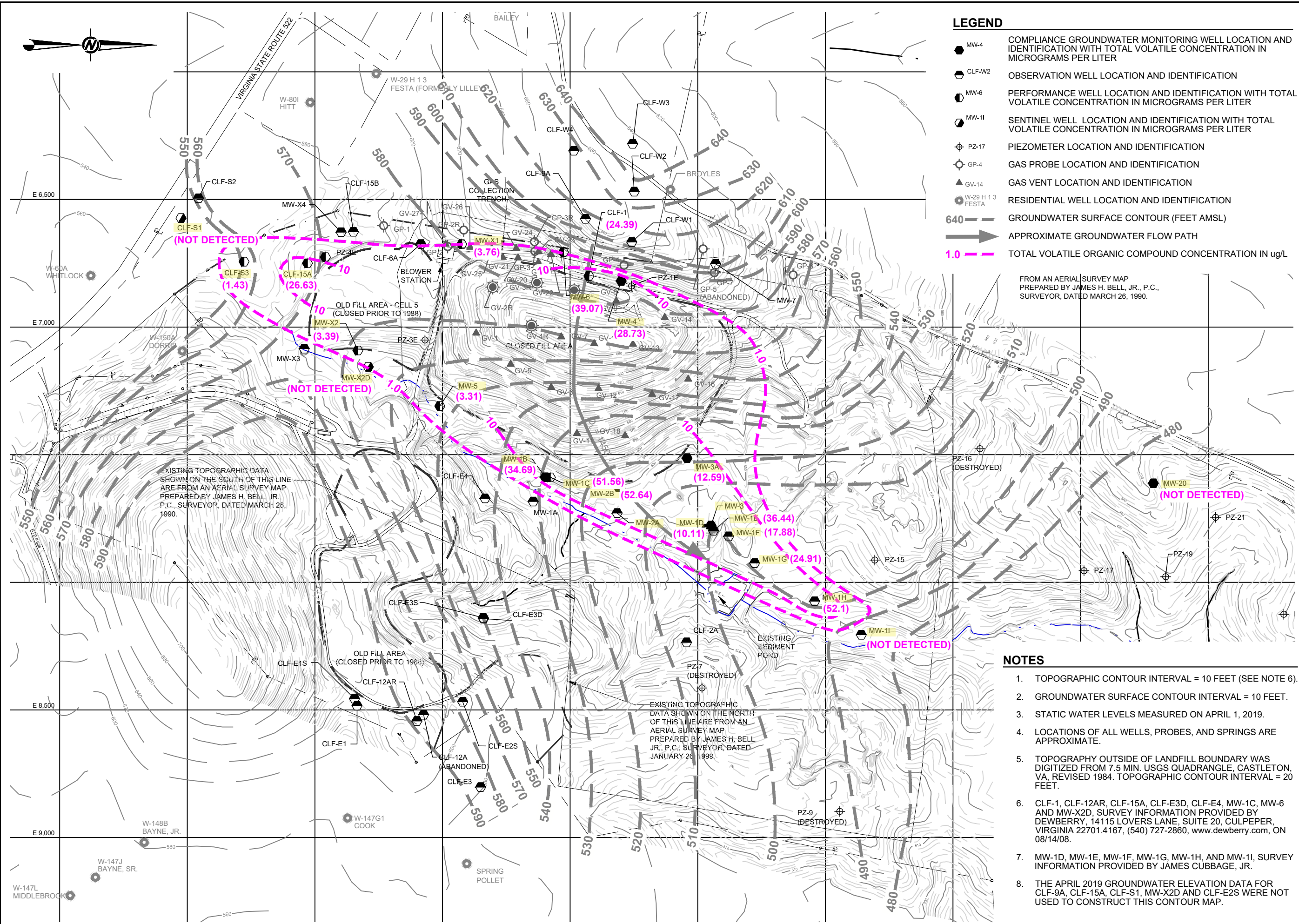
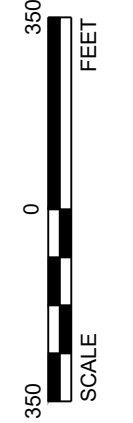
MGW REVIEW

1" IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ARCH D



**LEGEND**

- MW-4 COMPLIANCE GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION WITH TOTAL VOLATILE CONCENTRATION IN MICROGRAMS PER LITER
- CLF-W2 OBSERVATION WELL LOCATION AND IDENTIFICATION
- MW-6 PERFORMANCE WELL LOCATION AND IDENTIFICATION WITH TOTAL VOLATILE CONCENTRATION IN MICROGRAMS PER LITER
- MW-11 SENTINEL WELL LOCATION AND IDENTIFICATION WITH TOTAL VOLATILE CONCENTRATION IN MICROGRAMS PER LITER
- PZ-17 PIEZOMETER LOCATION AND IDENTIFICATION
- GP-4 GAS PROBE LOCATION AND IDENTIFICATION
- GV-14 GAS VENT LOCATION AND IDENTIFICATION
- W-29 H 13 FESTA RESIDENTIAL WELL LOCATION AND IDENTIFICATION
- 640 GROUNDWATER SURFACE CONTOUR (FEET AMSL)
- 1.0 APPROXIMATE GROUNDWATER FLOW PATH
- 1.0 TOTAL VOLATILE ORGANIC COMPOUND CONCENTRATION IN ug/L



FROM AN AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL, JR., P.C.,  
SURVEYOR, DATED MARCH 26, 1990.

EXISTING TOPOGRAPHIC DATA  
SHOWN ON THE SOUTH OF THIS LINE  
ARE FROM AN AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL, JR.,  
P.C., SURVEYOR, DATED MARCH 26,  
1990.

EXISTING TOPOGRAPHIC  
DATA SHOWN ON THE NORTH  
OF THIS LINE ARE FROM AN  
AERIAL SURVEY MAP  
PREPARED BY JAMES H. BELL,  
JR., P.C., SURVEYOR, DATED  
JANUARY 26, 1999.

**NOTES**

1. TOPOGRAPHIC CONTOUR INTERVAL = 10 FEET (SEE NOTE 6).
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 10 FEET.
3. STATIC WATER LEVELS MEASURED ON APRIL 1, 2019.
4. LOCATIONS OF ALL WELLS, PROBES, AND SPRINGS ARE APPROXIMATE.
5. TOPOGRAPHY OUTSIDE OF LANDFILL BOUNDARY WAS DIGITIZED FROM 7.5 MIN. USGS QUADRANGLE, CASTLETON, VA, REVISED 1984. TOPOGRAPHIC CONTOUR INTERVAL = 20 FEET.
6. CLF-1, CLF-12AR, CLF-15A, CLF-E3D, CLF-E4, MW-1C, MW-6 AND MW-X2D, SURVEY INFORMATION PROVIDED BY DEWBERRY, 14115 LOVERS LANE, SUITE 20, CULPEPER, VIRGINIA 22701.4167, (540) 727-2860, www.dewberry.com, ON 08/14/08.
7. MW-1D, MW-1E, MW-1F, MW-1G, MW-1H, AND MW-1I, SURVEY INFORMATION PROVIDED BY JAMES CUBBAGE, JR.
8. THE APRIL 2019 GROUNDWATER ELEVATION DATA FOR CLF-9A, CLF-15A, CLF-S1, MW-X2D AND CLF-E2S WERE NOT USED TO CONSTRUCT THIS CONTOUR MAP.

CLIENT	CULPEPER COUNTY
CONSULTANT	GOLDER
DESIGNED	2020-10-20
PREPARED	MGW
REVIEWED	SIB
APPROVED	MGW



**TOTAL VOLATILE ORGANIC ISOCONCENTRATION MAP**

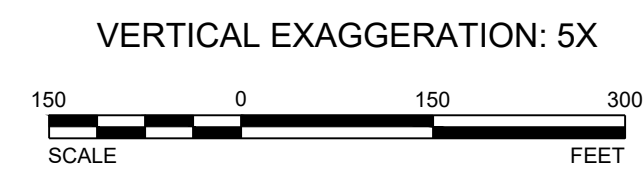
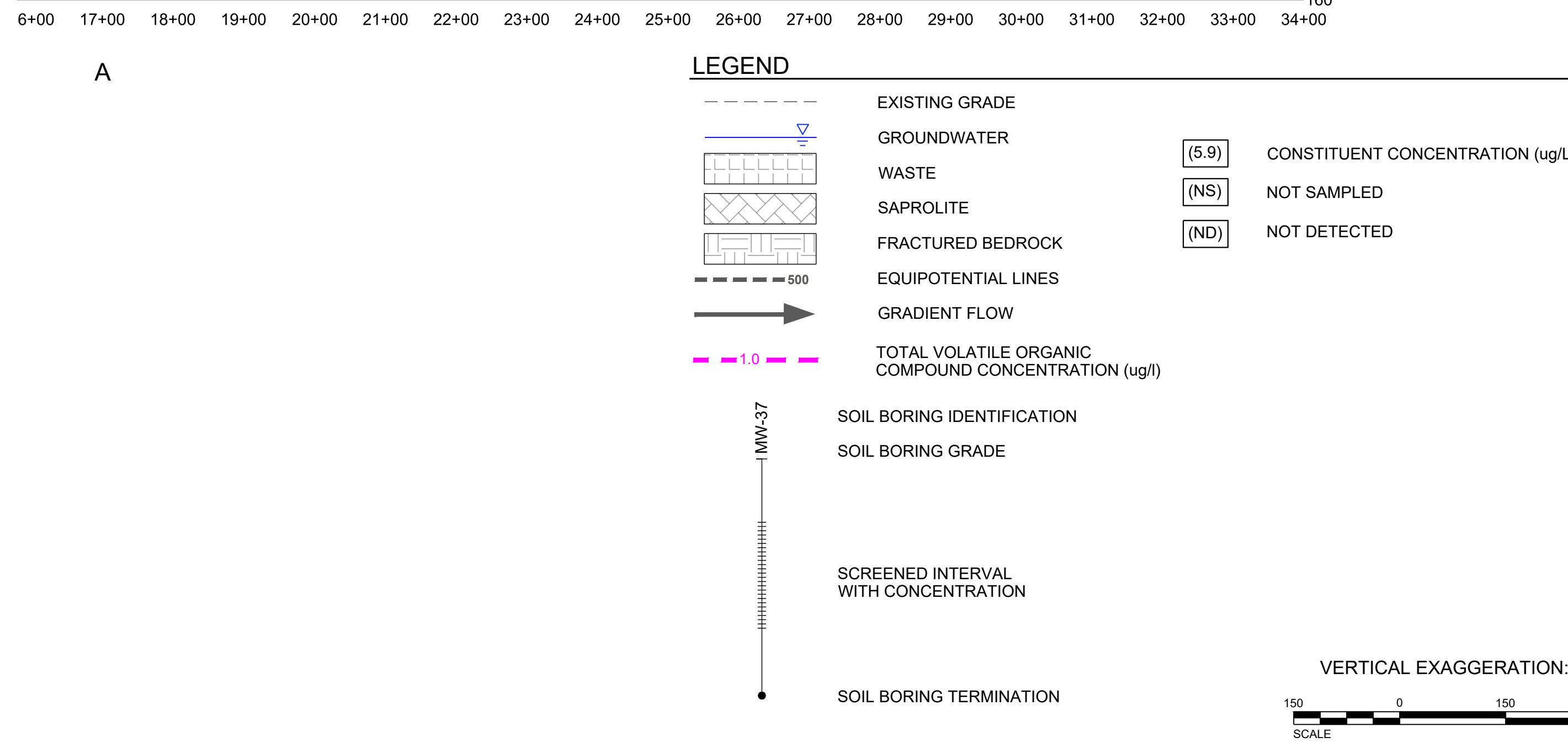
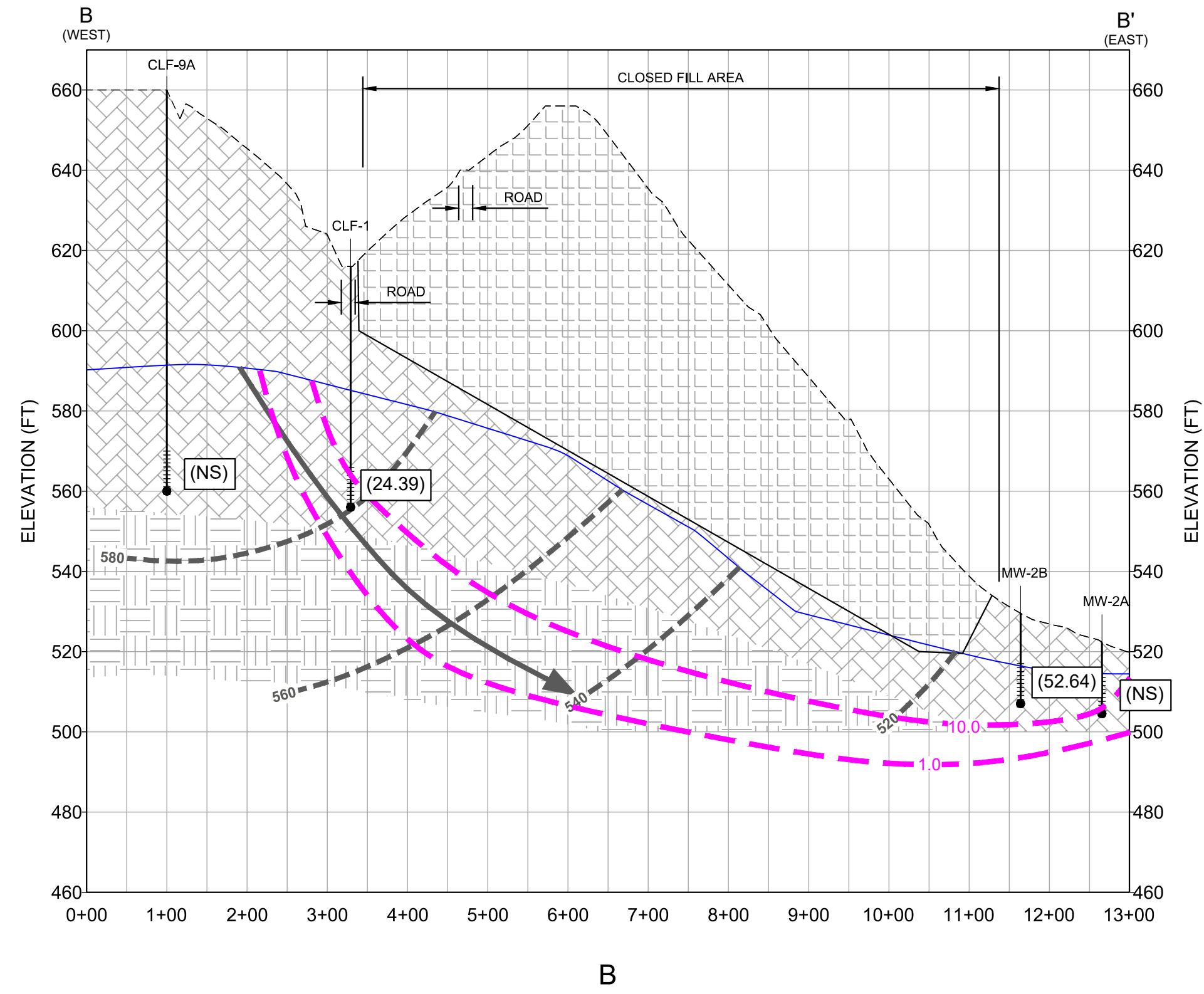
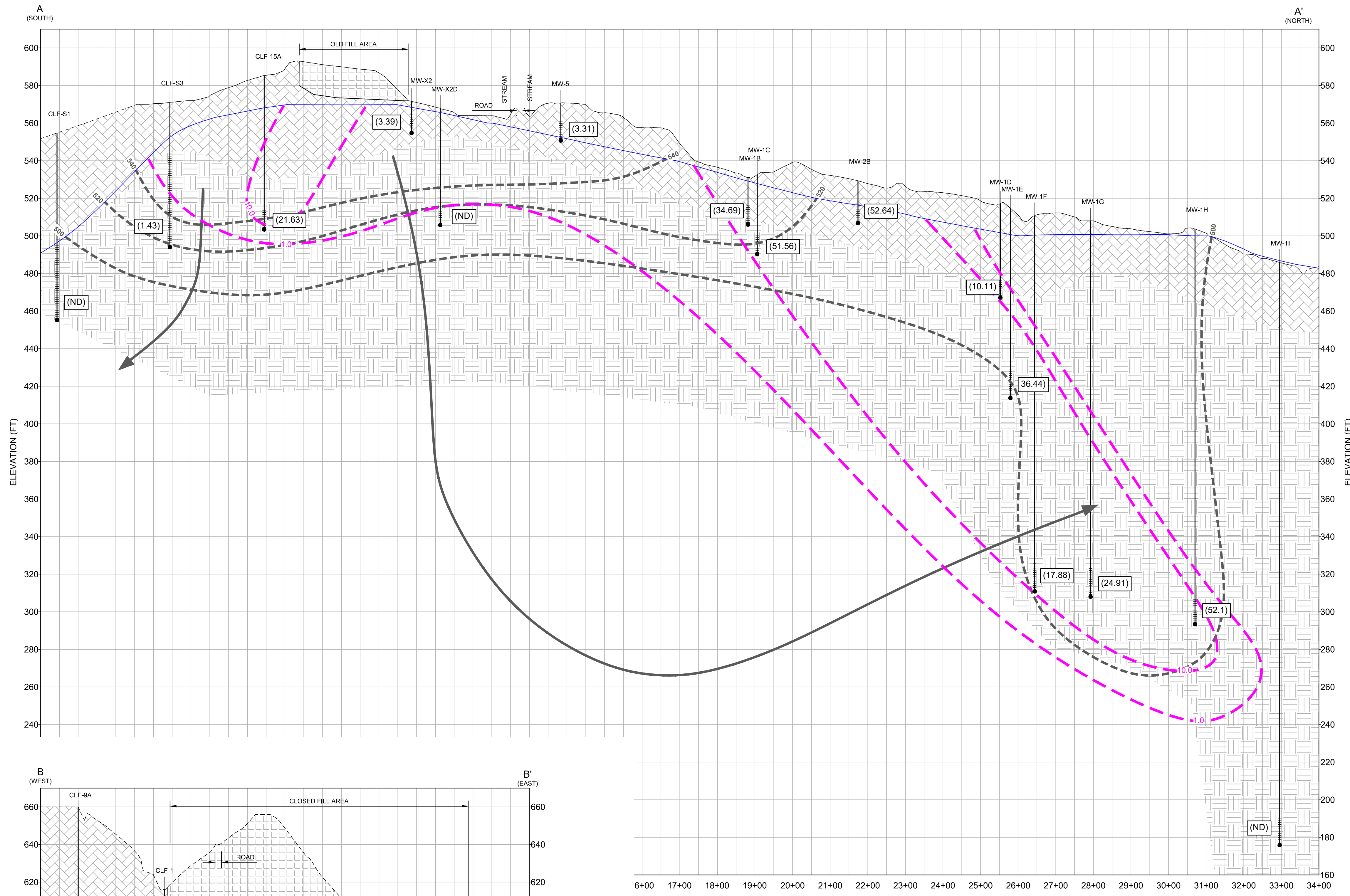
**OCTOBER 2019**

PROJECT NO. 20-145729

PROJECT  
LAUREL VALLEY CENTER SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

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www.golder.com



PROJECT  
LAUREL VALLEY CENTER  
SANITARY LANDFILL  
CULPEPER COUNTY, VIRGINIA

TITLE  
CROSS SECTION A-A' & B-B'  
TOTAL VOLATILE ORGANIC COMPOUND

PROJECT NO.  
20-145729

REV. 0 of DRAWING 16

### 2020-10-20

REV. IMMIDDY DESCRIPTION

SIB CADD DESIGN

MLC CHECK

MGW REVIEW

1" = 100' IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ARCH D