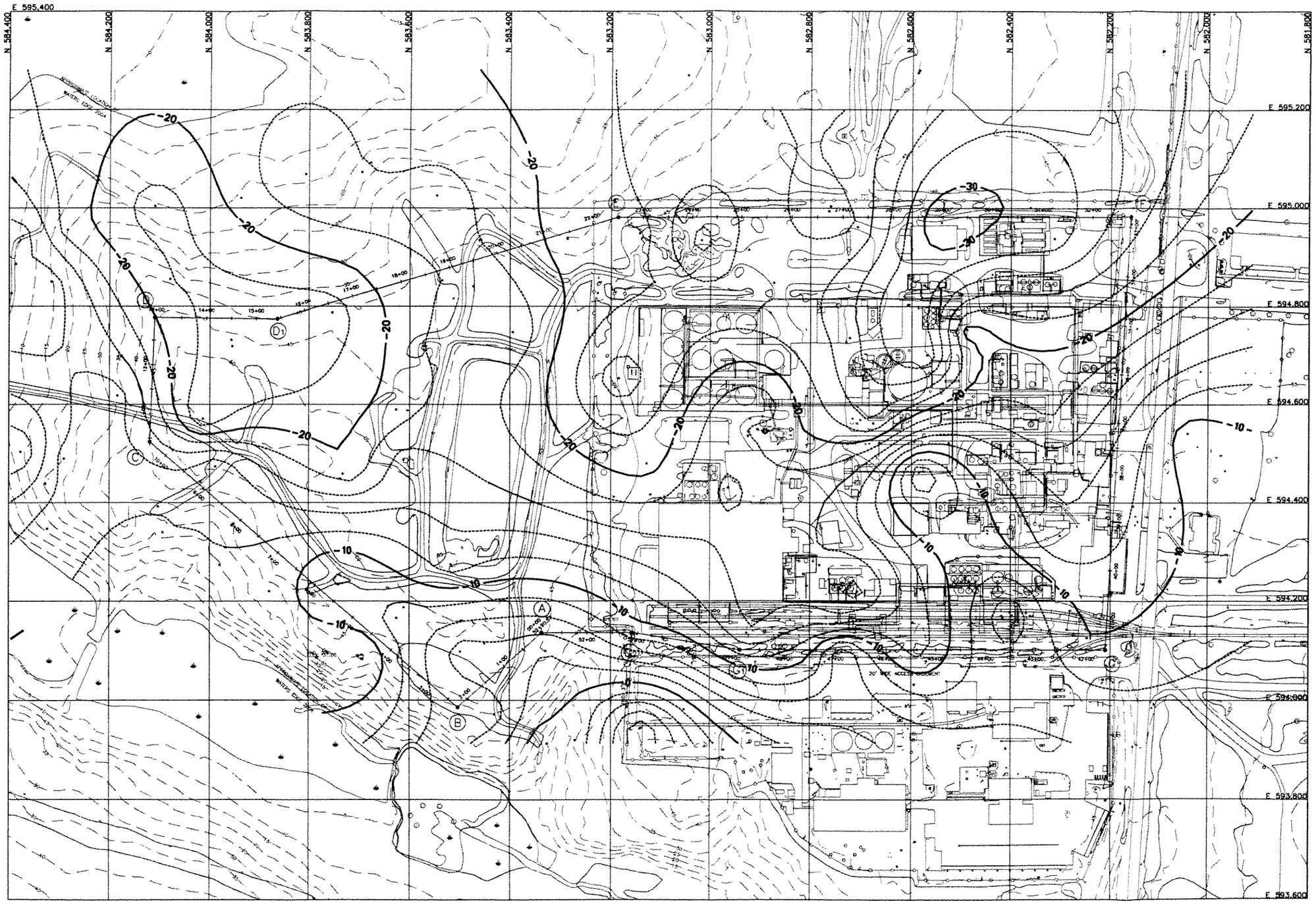


TOP OF LOW PERMEABILITY LAYER ELEVATION

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

Symbol	Description	Date	Approved
3	PREFINAL (95%) DESIGN	06/30/05	
2	REVISED INTERMEDIATE (60%) DESIGN	11/10/04	
1	INTERMEDIATE (60%) DESIGN	12/02/03	
0	PRELIMINARY (30%) DESIGN	06/06/01	

Revisions

Designed By: CW
Drawn By: HW
Checked By: CL
Reviewed By: JT
Date: 7/15/05
File No. 47118.0130
Drawing CADD Name:
Contract Number:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

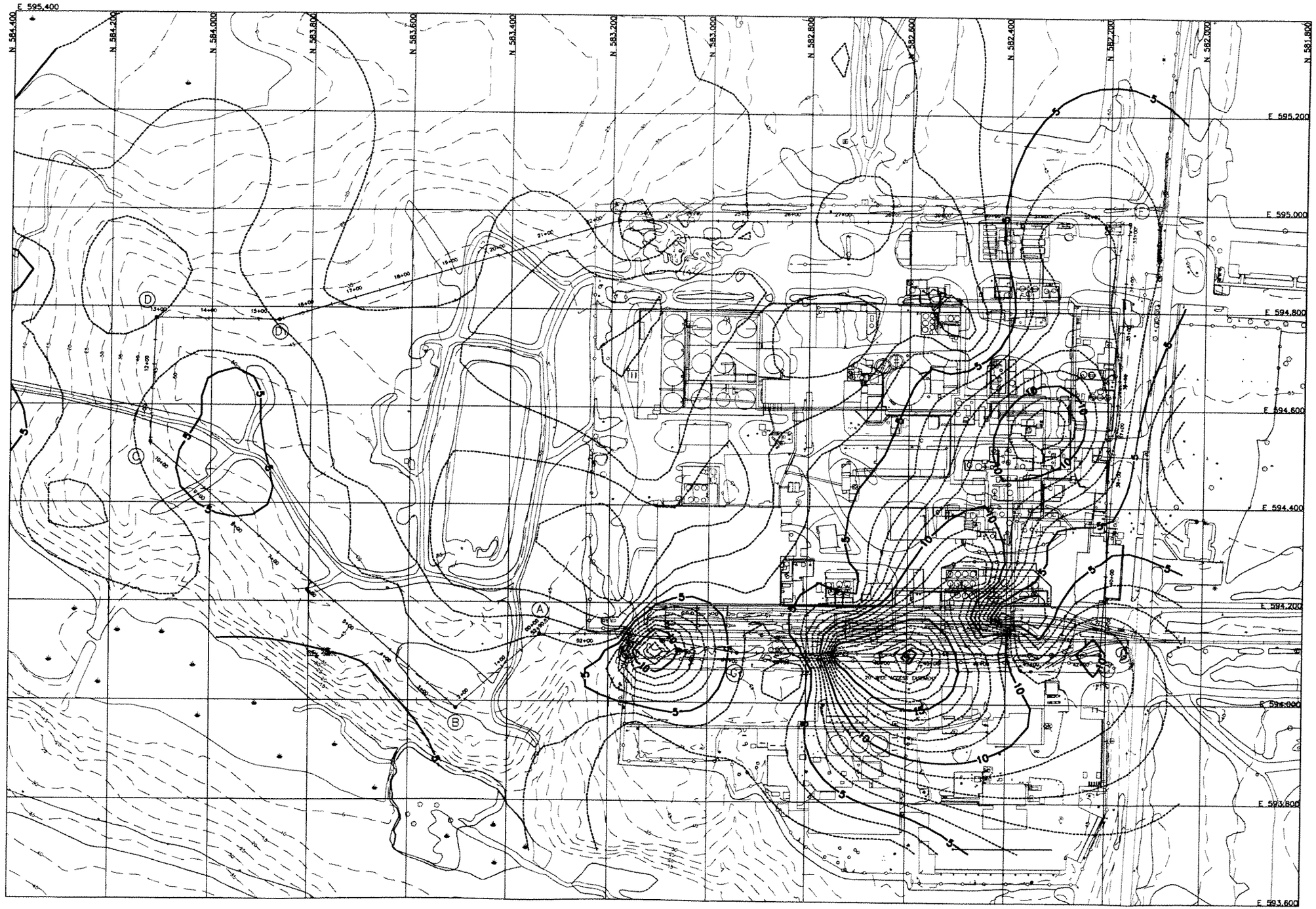
BLACK & VEATCH
Black & Veatch Special Projects Corporation

GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

TOP OF LOW PERMEABILITY LAYER ELEVATION

Sheet Reference Number:

FIGURE 2-2



MINIMUM LOW PERMEABILITY LAYER THICKNESS

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

Symbol	Description	Date	Approved
3	PREFINAL (95%) DESIGN	06/30/05	
2	REVISED INTERMEDIATE (60%) DESIGN	11/10/04	
1	INTERMEDIATE (60%) DESIGN	12/02/03	
0	PRELIMINARY (30%) DESIGN	06/06/01	

Revisions

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Designed By:	AE	Date:	7/15/05
Drawn By:	DW	File No.	47118.0130
Checked By:	MG	Drawing CADD Name:	
Reviewed By:	CW	Contract Number:	

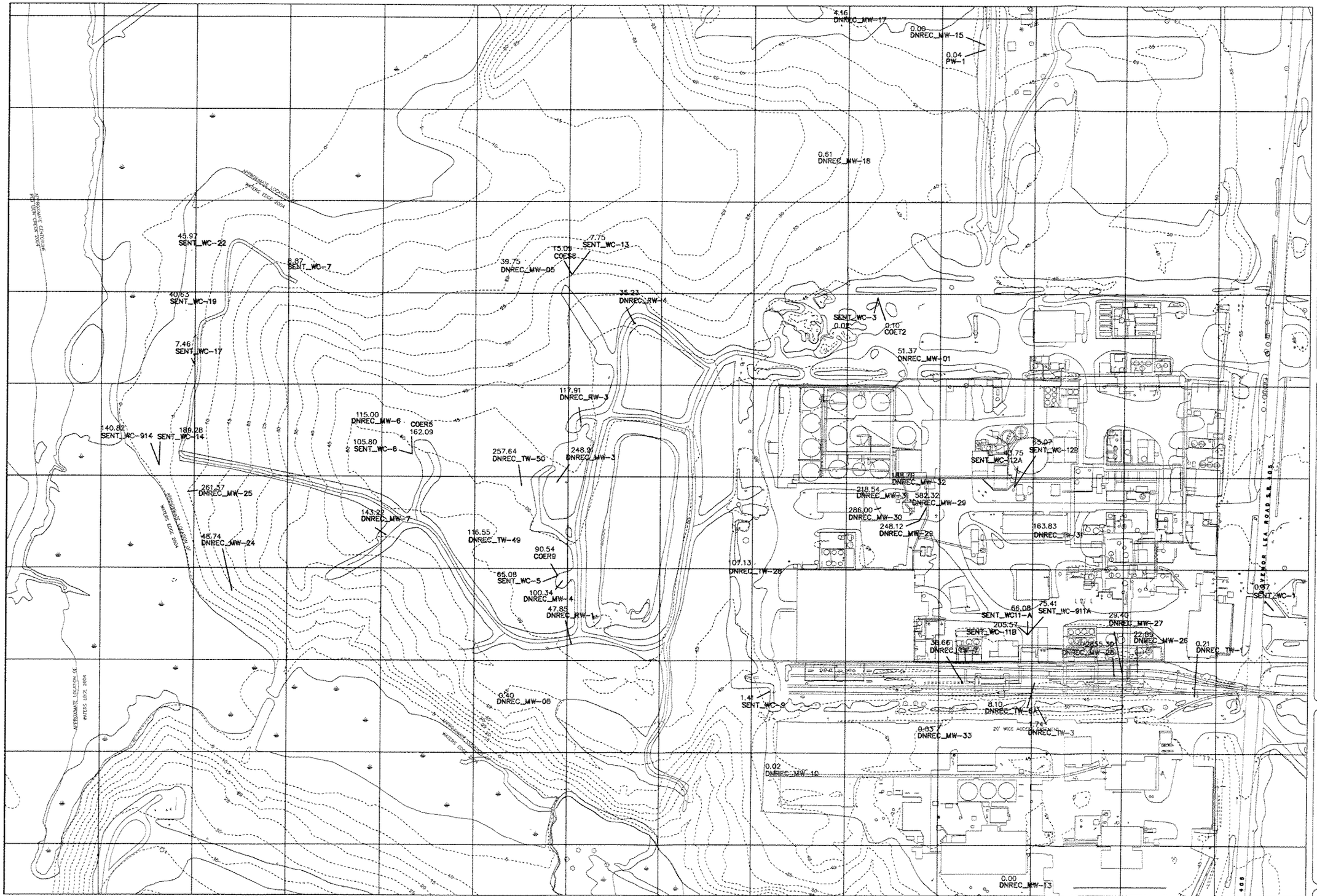
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

MINIMUM LOW PERMEABILITY LAYER THICKNESS

Sheet Reference Number:

FIGURE 2-3

WIL2536 /2005 9:52:30 AM
047118 /TUP-C-H0000-
047118



GROUNDWATER SAMPLING RESULTS

RESULTS ARE FOR TOTAL CONTAMINANTS OF CONCERN (COC) IN PPM

Symbol	Description	Date	Approved
3	PREFINAL (95%) DESIGN	6/30/05	
2	REVISED INTERMEDIATE (60%) DESIGN	11/10/04	
1	INTERMEDIATE (60%) DESIGN	12/02/03	
0	PRELIMINARY (30%) DESIGN	06/06/01	

Revisions

Designed By: CW
Drawn By: HW
Checked By: CW
Reviewed By: GS
Date: 07/15/05
File No. 47118.0130
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Contract Number:

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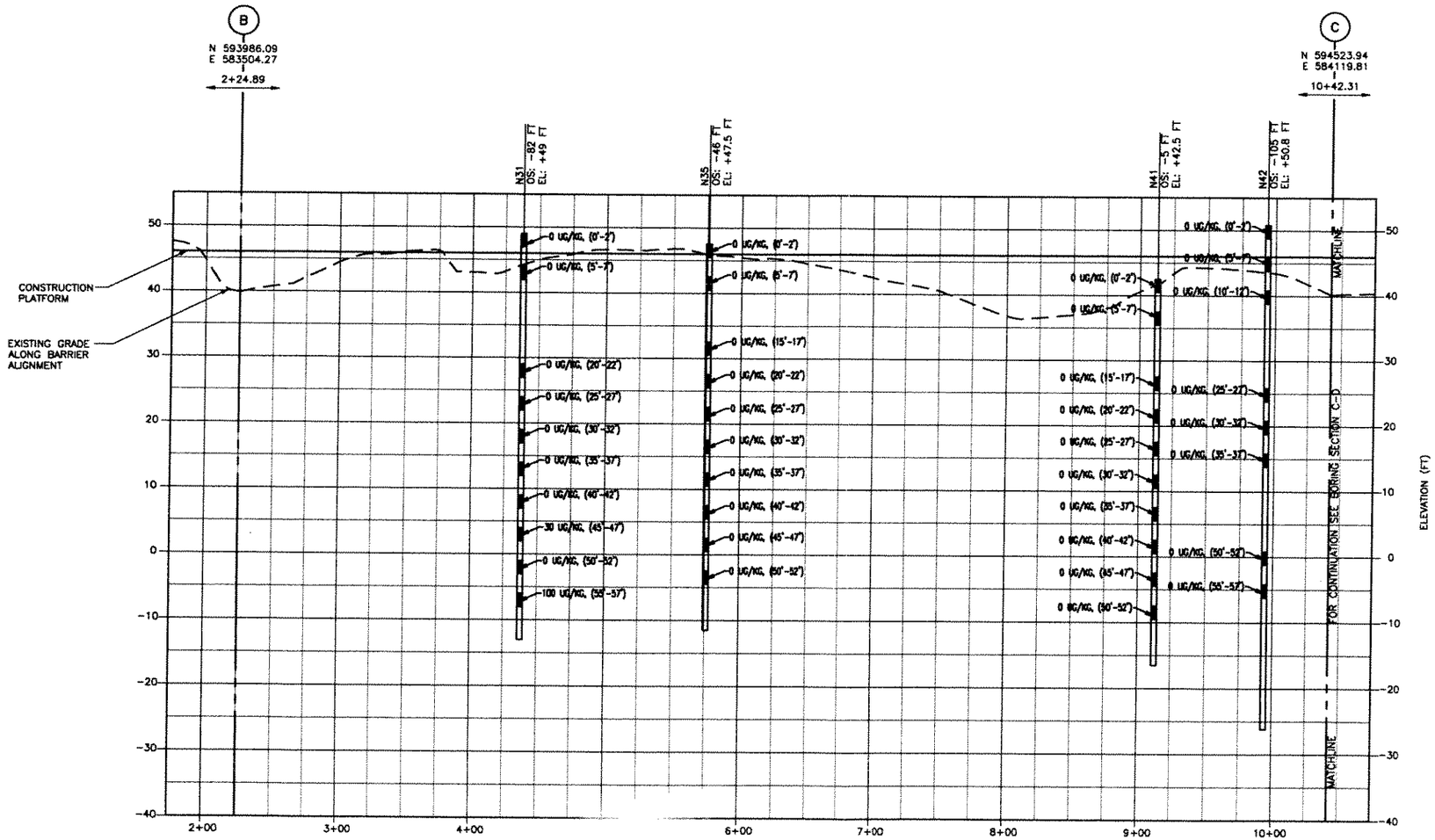
GROUNDWATER EXTRACTION
AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

DNREC & BVSPC RD
GROUNDWATER SAMPLING RESULTS

Sheet Reference Number:
FIGURE 2-4



SECTION B-C
HORIZ. SCALE: 1" = 50'-0"

50' 25' 0 50' 100'
1"=50'
HORIZ. SCALE

10' 0 10' 20'
1"=10'
VERT. SCALE

Symbol	Description	Date	Approved

Revisions

Designed By: GS
Drawn By: DAD
Checked By: CL
Reviewed By: CW
Date: 7/15/05
File No. 47118.0130
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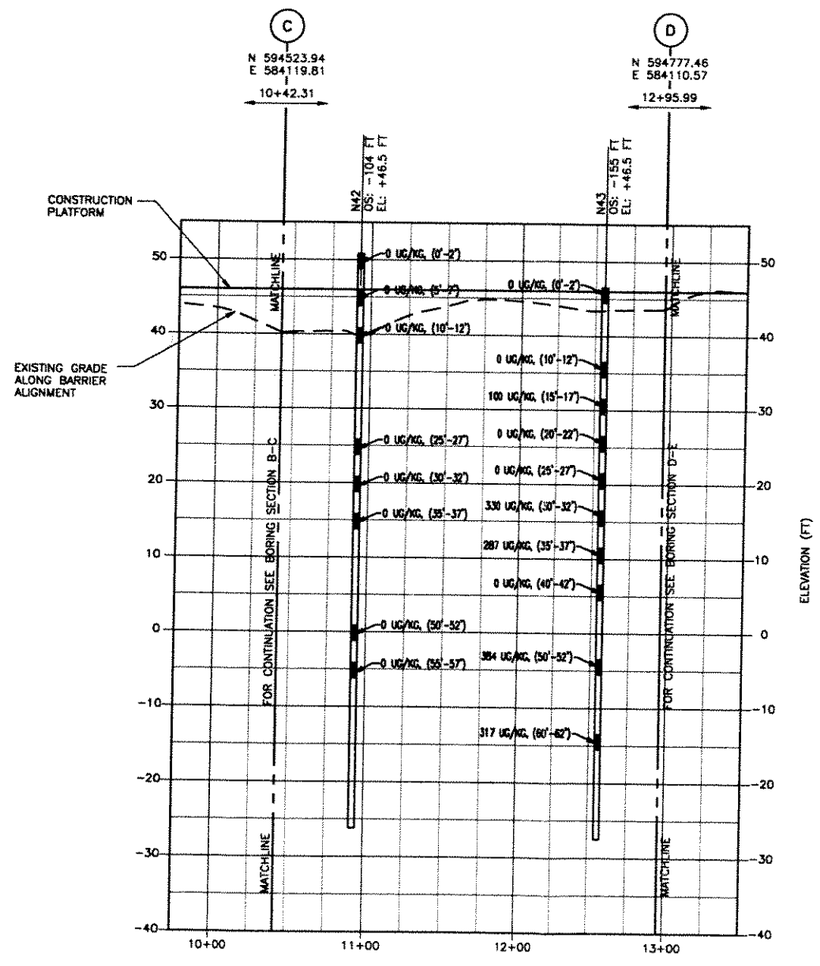
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

BARRIER ALIGNMENT CONCENTRATION PROFILES

Sheet Reference Number:
FIGURE 2-5



SECTION C-D

50' 25' 0 50' 100'
1"=50'
HORIZ. SCALE

10' 0 10' 20'
1"=10'
VERT. SCALE

Symbol	Description	Date	Approved

Revisions

Designed By: GS
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Reviewed By: CW
Date: 7/15/05
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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

BARRIER ALIGNMENT CONCENTRATION PROFILES

Sheet Reference Number:
FIGURE 2-6

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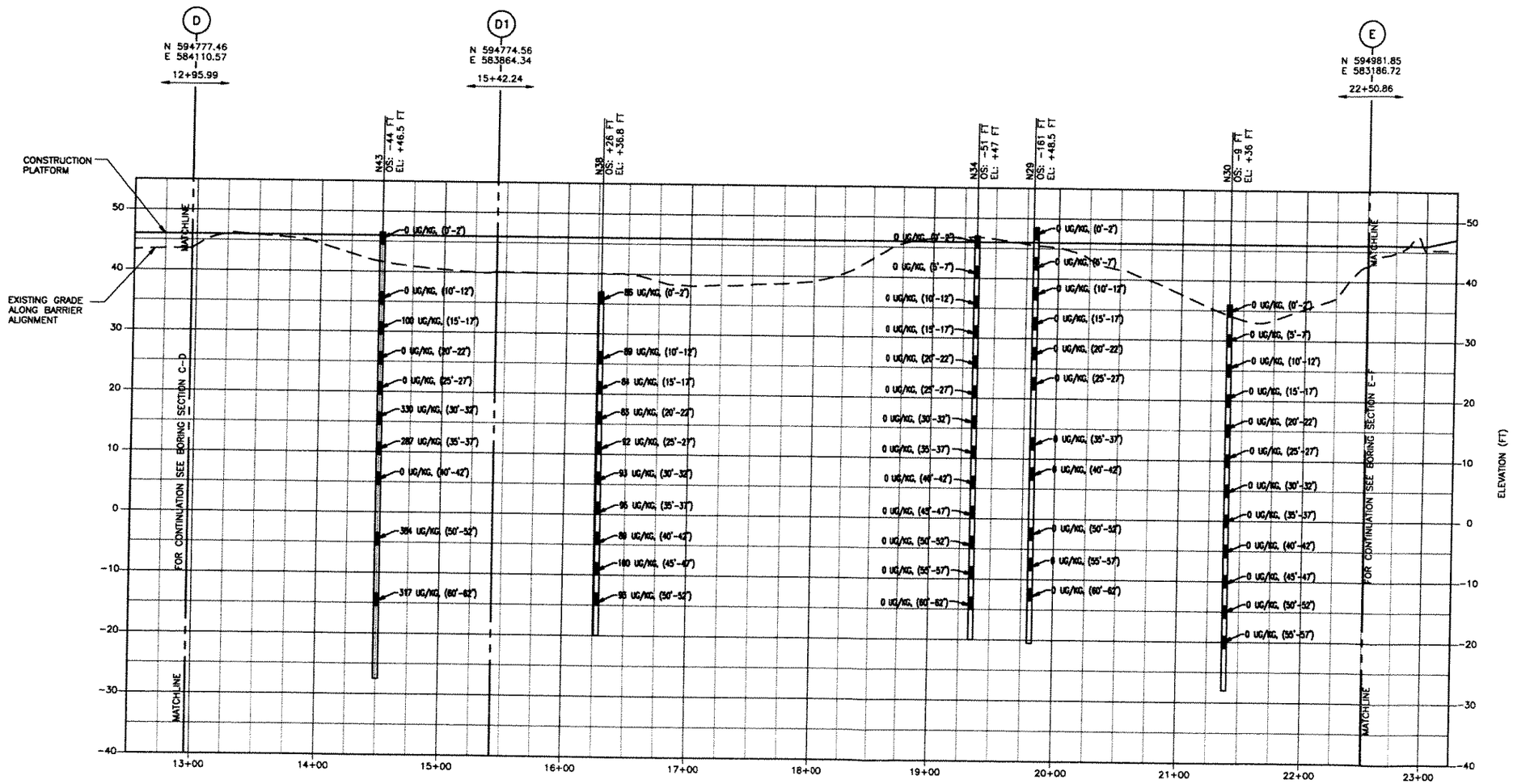
047118-TUP-C-H0000DN04
47118



SECTION D-E

50' 25' 0 50' 100'
1"=50'
HORIZ. SCALE

10' 0 10' 20'
1"=10'
VERT. SCALE

Symbol	Description	Date	Approved

Revisions

Designed By: GS
Drawn By: DAD
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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN STANDARD CHLORINE OF DELAWARE

BARRIER ALIGNMENT CONCENTRATION PROFILES

Sheet Reference Number:
FIGURE 2-7

005 3:44:21 PM
TOP-C-H00000DNG6

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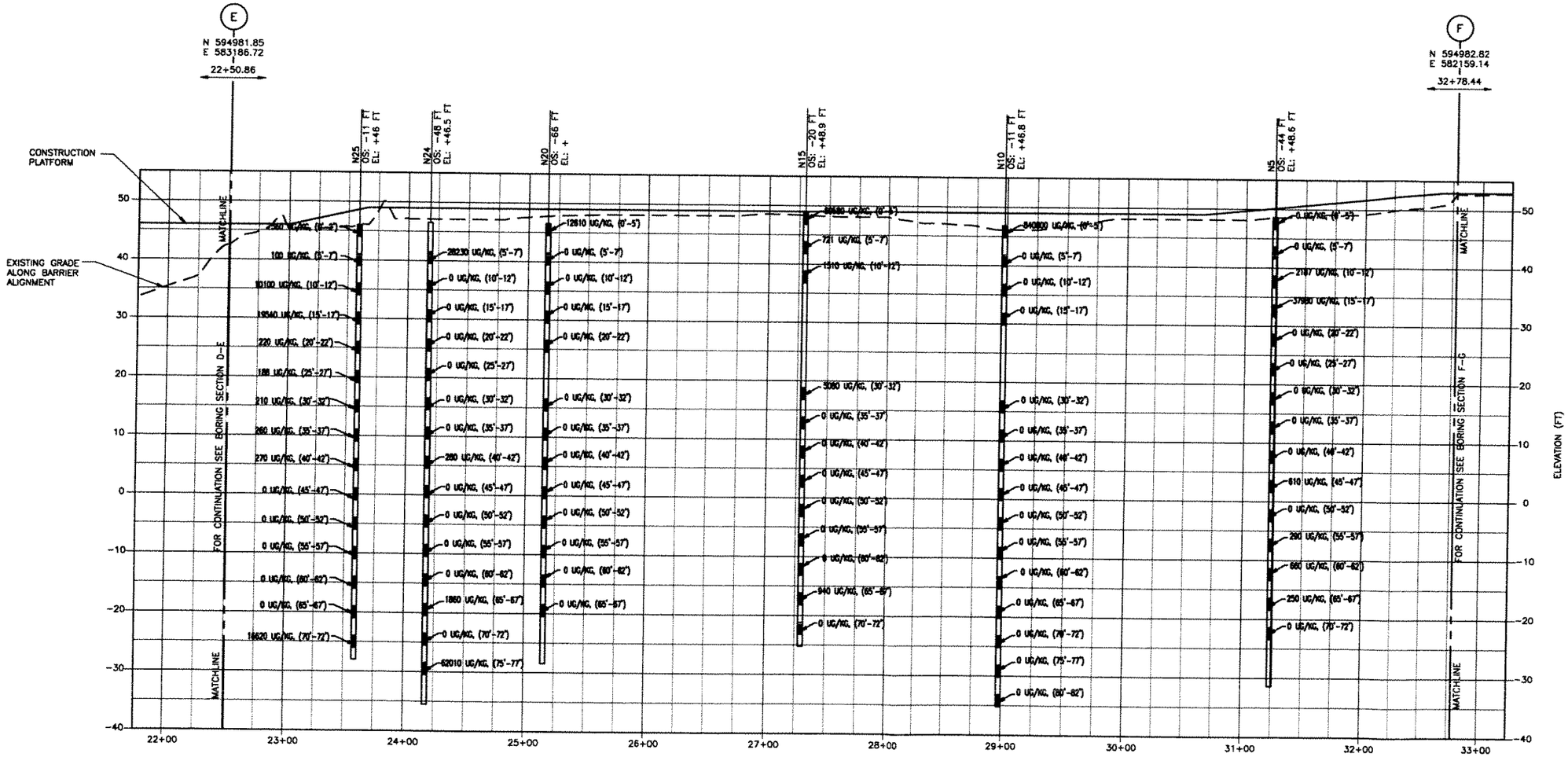
047118

H47118
47118



SECTION E-F

50' 25' 0 50' 100'
1"=50'
HORIZ. SCALE

10' 0 10' 20'
1"=10'
VERT. SCALE

Symbol	Description	Date	Approved

Revisions

Designed By: GS
Drawn By: DAD
Checked By: CL
Reviewed By: CW
Date: 7/15/05
File No. 47118.0130
Drawing CADD Name:
Contract Number:

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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

BARRIER ALIGNMENT CONCENTRATION PROFILES

Sheet Reference Number:
FIGURE 2-8

WIL25364 3:44:24 PM
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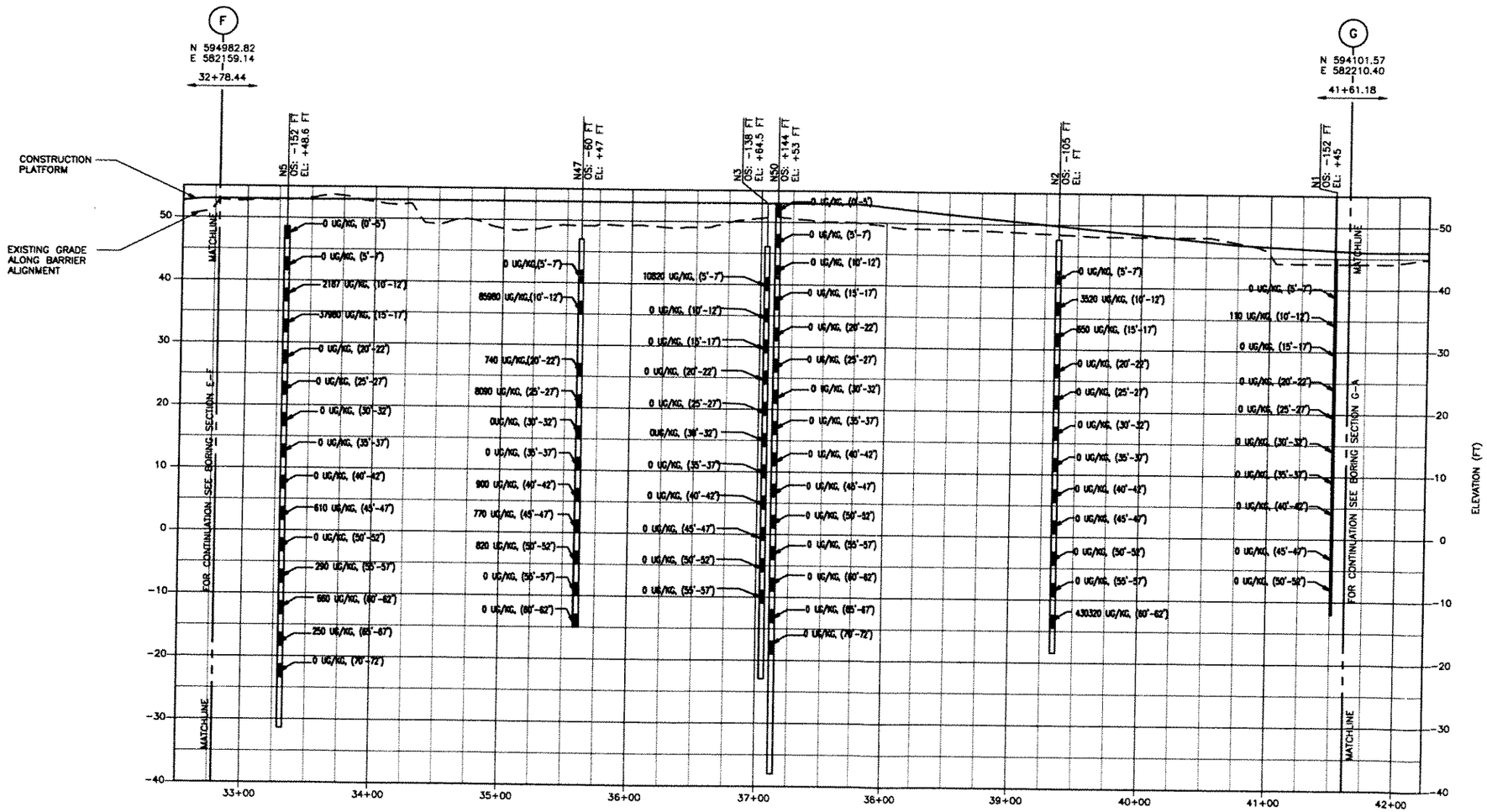
047118
047118



SECTION F-G

50' 25' 0 50' 100'
1"=50'
HORIZ. SCALE

10' 0 10' 20'
1"=10'
VERT. SCALE

Symbol	Description	Date	Approved

Revisions

Date: 7/15/05
File No. 47118.0130
Drawing CADD Name:
Contract Number:
Designed By: GS
Drawn By: DAD
Checked By: CL
Reviewed By: CW

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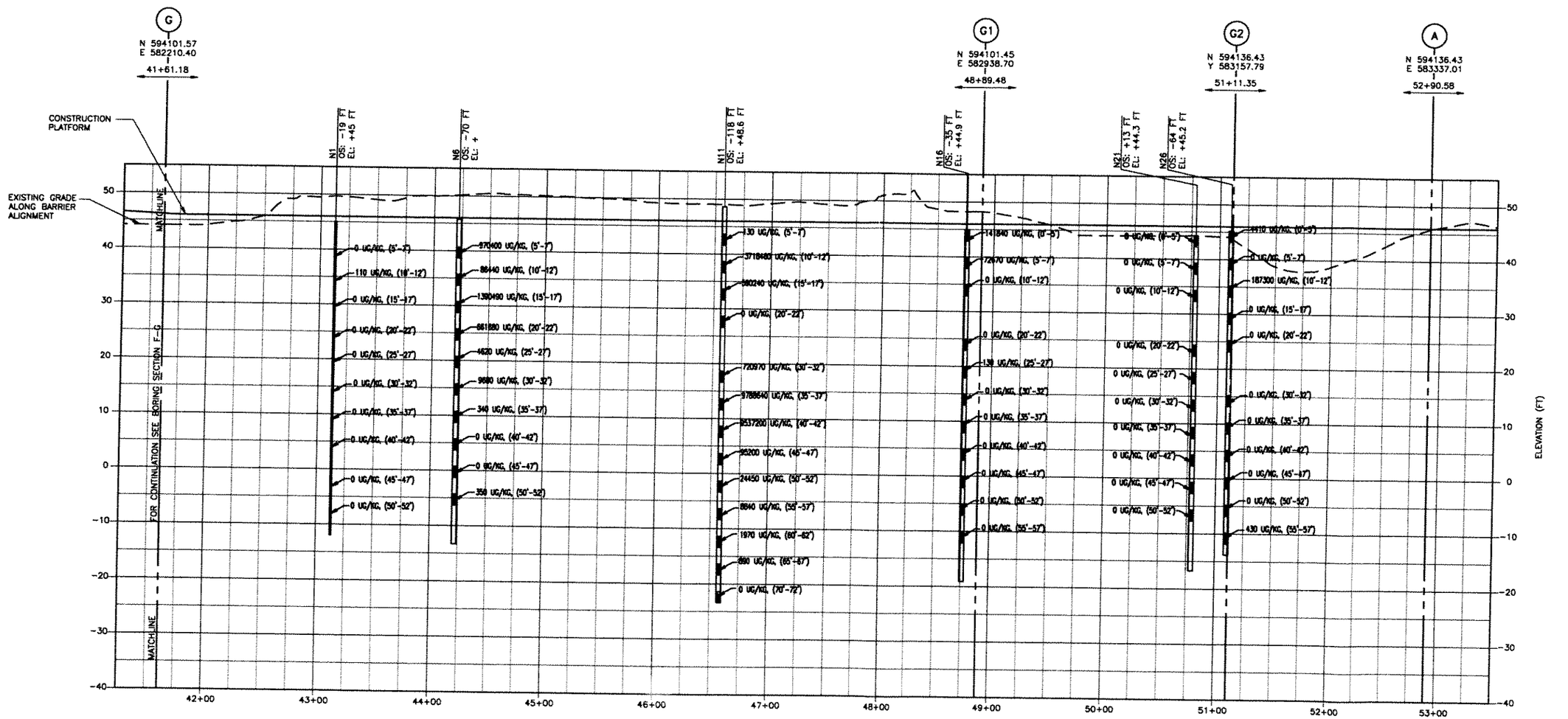
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN STANDARD CHLORINE OF DELAWARE

BARRIER ALIGNMENT CONCENTRATION PROFILES

Sheet Reference Number:
FIGURE 2-9



SECTION G-A

50' 25' 0 50' 100'
1"=50'
HORIZ. SCALE

10' 0 10' 20'
1"=10'
VERT. SCALE

Symbol	Description	Date	Approved

Revisions

Designed By: GS
Drawn By: DAD
Checked By: CL
Reviewed By: CW
Date: 7/15/05
File No. 47118.0130
Drawing CADD Name:
Contract Number:

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GROUNDWATER EXTRACTION AND TREATMENT SYSTEM DESIGN
STANDARD CHLORINE OF DELAWARE

BARRIER ALIGNMENT CONCENTRATION PROFILES

Sheet Reference Number:
FIGURE 2-10

WIL25384 047118-005 3:44:04 PM
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047118