



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Wednesday, April 10, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

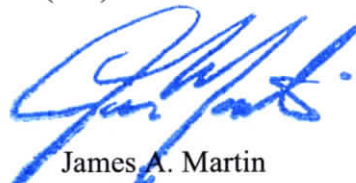
Re: Permit Modification Approval for WAGNER B 5V
47-017-06949-00-00

Increased LOD for Pipe Relocation

ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.



James A. Martin
Chief

Operator's Well Number: WAGNER B 5V
Farm Name: PERRY NEAL PERINE SR
U.S. WELL NUMBER: 47-017-06949-00-00
Horizontal 6A New Drill
Date Modification Issued: 4/10/2024

Promoting a healthy environment.

04/12/2024

LOCATION COORDINATES:
 ACCESS ROAD ENTRANCE
 LATITUDE: 39.212281 LONGITUDE: -80.605475 (NAD 83)
 LATITUDE: 39.212193 LONGITUDE: -80.605654 (NAD 27)
 N 4340408.20 E 534060.39 (UTM ZONE 17 METERS)

WAGNER CENTROID OF PAD
 LATITUDE: 39.210813 LONGITUDE: -80.603988 (NAD 83)
 LATITUDE: 39.210724 LONGITUDE: -80.604168 (NAD 27)
 N 4340245.81 E 534189.42 (UTM ZONE 17 METERS)

WAGNER "B" CENTROID OF PAD
 LATITUDE: 39.212224 LONGITUDE: -80.603947 (NAD 83)
 LATITUDE: 39.212136 LONGITUDE: -80.604127 (NAD 27)
 N 4340402.47 E 534192.27 (UTM ZONE 17 METERS)

WAGNER "B" CENTER OF TANK
 LATITUDE: 39.211606 LONGITUDE: -80.603891 (NAD 83)
 LATITUDE: 39.124178 LONGITUDE: -80.361401 (NAD 27)
 N 4340333.84 E 534197.46 (UTM ZONE 17 METERS)

GENERAL DESCRIPTION:

THE ACCESS ROAD(S), WATER CONTAINMENT PAD AND WELL PAD HAVE BEEN CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL MARCELLUS SHALE GAS WELLS.

FLOODPLAIN NOTES:

THE SITE IS LOCATED WITHIN FEMA FLOOD ZONE "X" PER FEMA FLOOD MAP #54017C0255C.

MISS UTILITY STATEMENT:

ANTERO RESOURCES CORPORATION HAS NOTIFIED MISS UTILITY OF WEST VIRGINIA FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN. IN ADDITION, MISS UTILITY HAS BEEN CONTACTED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT.

ENTRANCE PERMIT:

ANTERO RESOURCES CORPORATION HAS OBTAINED AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

ENVIRONMENTAL NOTES:

STREAM AND WETLAND DELINEATIONS WERE PERFORMED IN OCTOBER 2022 BY ALLSTAR ECOLOGY TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP). THE OCTOBER 26, 2022 DELINEATION WATERS MAP WAS PREPARED BY ALLSTAR ECOLOGY AND SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE MAP DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR THE WVDEP.

GEOTECHNICAL NOTES:

A SUBSURFACE INVESTIGATION OF THE SITE WAS PERFORMED BY PENNSYLVANIA SOIL & ROCK, INC. ON DECEMBER 6-8, 2022. THE REPORT PREPARED BY PENNSYLVANIA SOIL & ROCK, INC. DATED DECEMBER 22, 2022, REFLECTS THE RESULTS OF THE SUBSURFACE INVESTIGATION. THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS REPORT WERE USED IN THE PREPARATION OF THESE PLANS. PLEASE REFER TO THE SUBSURFACE INVESTIGATION REPORT BY PENNSYLVANIA SOIL & ROCK, INC. FOR ADDITIONAL INFORMATION, AS NEEDED.

PROJECT CONTACTS:

ROBERT EDDY - UTILITY COORDINATOR
 CELL: (304) 719-5199

OPERATOR:

ANTERO RESOURCES CORPORATION
 535 WHITE OAKS BLVD.
 BRIDGEPORT, WV 26330
 PHONE: (304) 842-4100
 FAX: (304) 842-4102

DAVE PATSY - LAND AGENT
 CELL: (304) 476-6090

ENGINEER/SURVEYOR:

NAVITUS ENGINEERING, INC.
 CYRUS S. KUMP, PE - PROJECT
 MANAGER/ENGINEER
 OFFICE: (888) 662-4185 CELL: (540) 686-6747

ELI WAGONER - ENVIRONMENTAL ENGINEER &
 REGULATORY MANAGER
 OFFICE: (304) 842-4068 CELL: (304) 476-9770

ENVIRONMENTAL:

ALLSTAR ECOLOGY, LLC
 RYAN L. WARD - ENVIRONMENTAL SCIENTIST
 OFFICE: (866) 213-2666 CELL: (304) 692-7477

JON McEVERS - SVP OPERATIONS
 OFFICE: (303) 357-6799

AARON KUNZLER - CONSTRUCTION MANAGER
 OFFICE: (304) 842-4191

GEOTECHNICAL:

PENNSYLVANIA SOIL & ROCK, INC.
 CHRISTOPHER W. SAMIOS - PROJECT ENGINEER
 OFFICE: (412) 372-4000 CELL: (412) 589-0662

NOTES:

- ALL BMP'S MUST REMAIN IN PLACE AND FUNCTIONAL UNTIL ALL AREAS WITHIN THE LIMIT OF DISTURBANCE ARE COMPLETE AND PERMANENTLY STABILIZED. MAINTENANCE MUST INCLUDE INSPECTION OF ALL EROSION AND SEDIMENT CONTROLS AFTER EACH RUNOFF EVENT IN EXCESS OF 0.5" AND ON A BIWEEKLY BASIS.
- THE CONSTRUCTION SITE SHOULD BE STABILIZED AS SOON AS POSSIBLE AFTER COMPLETION. ESTABLISHMENT OF FINAL STABILIZATION MUST BE INITIATED NO LATER THAN 7 DAYS AFTER REACHING FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL-DISTURBING ACTIVITIES ARE COMPLETED, AND THAT EITHER A PERMANENT VEGETATIVE COVER WITH A DENSITY OF 70% OR GREATER HAS BEEN ESTABLISHED OR THAT THE SURFACE HAS BEEN STABILIZED BY HARD COVER SUCH AS PAVEMENT OR BUILDINGS. IT SHOULD BE NOTED THAT THE 70% REQUIREMENT REFERS TO THE TOTAL AREA VEGETATED AND NOT JUST A PERCENT OF THE SITE.
- ALL PERMANENT SEDIMENT CONTROL MEASURES CAN BE REMOVED AFTER THE SITE IS PERMANENTLY STABILIZED AND APPROVAL IS RECEIVED FROM THE WVDEP.
- ANY AREAS DISTURBED BY REMOVAL OF CONTROLS SHALL BE REPAIRED, STABILIZED, AND PERMANENTLY SEEDED.
- THE AS-BUILT INFORMATION SHOWN HEREON REFLECTS FIELD DATA COLLECTED RELATING TO THE FINAL GRADING OF THE DISTURBED AREA AS OF OCTOBER 02, 2023. NAVITUS ENGINEERING IS NOT RESPONSIBLE FOR ANY CHANGES MADE TO THE SITE AFTER THE ABOVE MENTIONED DATES.
- THE EXISTING CONTAINMENT BERM AROUND THE WELL PAD SHALL BE REPAIRED AS NECESSARY TO ENSURE 100% CONTAINMENT OF ALL FLUIDS PRIOR TO DRILLING OPERATIONS
- THE EXISTING EGRESSES TO THE WELL PAD SHALL HAVE THE MOUNTABLE BERMS REPAIRED AS NECESSARY TO ENSURE 100% CONTAINMENT OF ALL FLUIDS PRIOR TO DRILLING OPERATIONS.

REPRODUCTION NOTE

THESE PLANS WERE CREATED TO BE PLOTTED ON 22"X34" (ANSI D) PAPER. HALF SCALE DRAWINGS ARE ON 11"X17" (ANSI B) PAPER.

THESE PLANS WERE CREATED FOR COLOR PLOTTING AND ANY REPRODUCTIONS IN GRAY SCALE OR COLOR MAY RESULT IN A LOSS OF INFORMATION AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES.

WAGNER "B" WELL PAD & WATER CONTAINMENT PAD

AS-BUILT EROSION & SEDIMENT CONTROL IMPROVEMENT PLANS

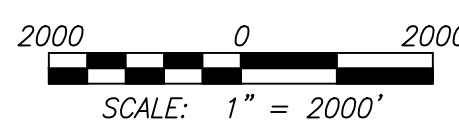
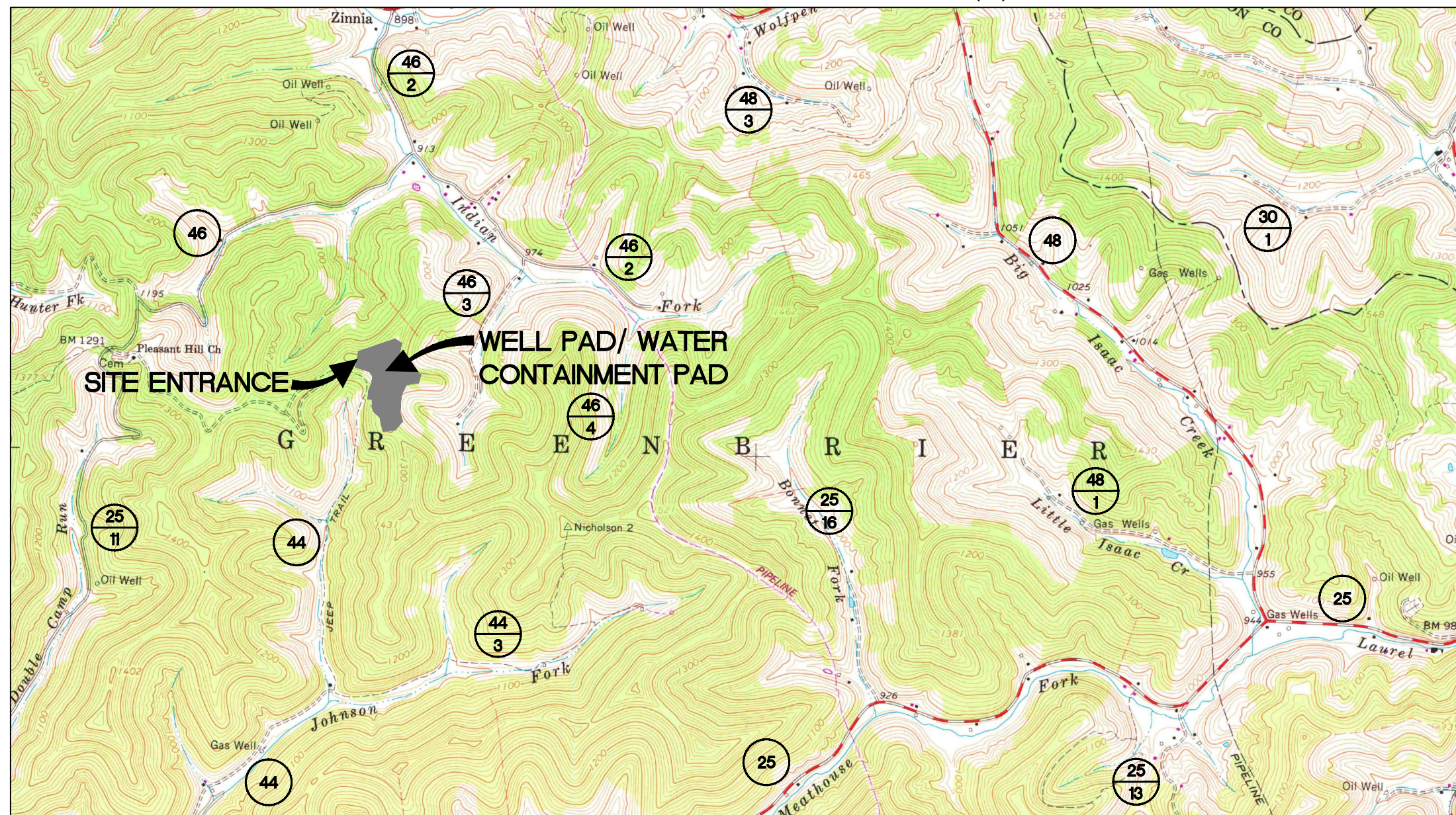
GREENBRIER DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA
 BUCKEYE CREEK WATERSHED



SHEET INDEX:

- 1 - COVER SHEET
- 2 - LEGEND
- 3 - OVERALL PLAN SHEET INDEX
- 4-5 - ACCESS ROAD & WELL PAD AS-BUILT PLAN
- 6 - ACCESS ROAD AS-BUILT PROFILES
- 7 - WELL PAD & STOCKPILE AS-BUILT SECTIONS

BIG ISAAC USGS 7.5 QUAD MAP(S)

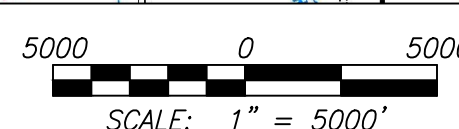
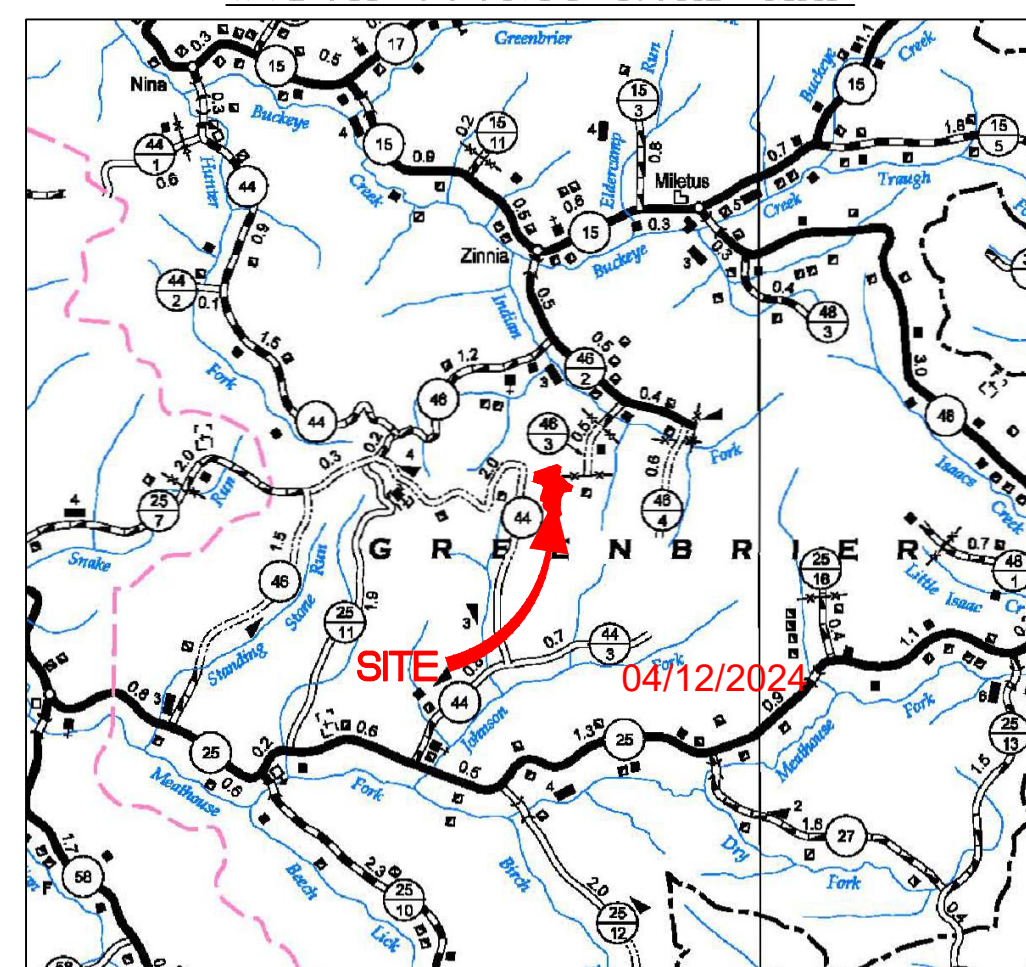


WEST VIRGINIA COUNTY MAP



(NOT TO SCALE)

WVDOH COUNTY ROAD MAP



WEST VIRGINIA STATE PLANE COORDINATE SYSTEM
 NORTH ZONE, NAD83
 ELEVATION BASED ON NAVD88
 ESTABLISHED BY SURVEY GRADE GPS & OPUS
 POST-PROCESSING

WAGNER "B" LIMITS OF DISTURBANCE AREA (AC)			
Total Site	Permitted	Modification	Total
Access Road "A" (234')	1.82	0.00	1.82
Access Road "B" (281')	1.23	0.00	1.23
Wagner Well Pad	2.63	0.00	2.63
Wagner "B" Well Pad	8.19	0.45	8.64
Excess/Topsoil Material Stockpiles	3.17	0.00	3.17
Total Affected Area	17.04	0.45	17.49
Total Wooded Acres Disturbed	0.00	0.00	0.00
Impacts to Perry Neal Perine SR, TM 10-15			
Access Road "A"	0.26	0.00	0.26
Well Pad	1.06	0.45	1.51
Total Affected Area	1.32	0.45	1.77
Total Wooded Acres Disturbed	0.00	0.00	0.00
Impacts to Perry Neal Perine SR, TM 10-21			
Access Road "A" (234')	1.56	0.00	1.56
Access Road "B" (50')	0.13	0.00	0.13
Wagner Well Pad	1.77	0.00	1.77
Wagner "B" Well Pad	2.76	0.00	2.76
Excess/Topsoil Material Stockpiles	2.21	0.00	2.21
Total Affected Area	8.43	0.00	8.43
Total Wooded Acres Disturbed	0.00	0.00	0.00
Impacts to Todd Alan Devericks & Roberta J. TM 10-17			
Access Road "B" (231')	1.10	0.00	1.10
Wagner Well Pad	0.86	0.00	0.86
Wagner "B" Well Pad	4.37	0.00	4.37
Excess/Topsoil Material Stockpiles	0.43	0.00	0.43
Total Affected Area	6.76	0.00	6.76
Total Wooded Acres Disturbed	0.00	0.00	0.00
Impacts to Todd Alan Devericks & Roberta J. TM 10-22			
Excess/Topsoil Material Stockpiles	0.53	0.00	0.53
Total Affected Area	0.53	0.00	0.53
Total Wooded Acres Disturbed	0.00	0.00	0.00

WAGNER "B" WELL PAD

Well Name	WV North		NAD 27 Lat & Long		NAD 83 UTM (METERS) ZONE 17		NAD 83 Lat & Long	
	NAD 27							
Permitted Location								
DUKATE UNIT 1H	N 261206.65	E 1687182.25	LAT 39-12-42.8008	LONG -80-36-14.4210	N 4340375.11	E 534202.84	LAT 39-12-43.1181	LONG -80-36-13.7743
MASON UNIT 1H	N 261219.12	E 1687173.93	LAT 39-12-42.9231	LONG -80-36-14.5288	N 4340378.87	E 534200.24	LAT 39-12-43.2404	LONG -80-36-13.8820
JORAN UNIT 2H	N 261231.60	E 1687165.60	LAT 39-12-43.0454	LONG -80-36-14.6365	N 4340382.63	E 534197.64	LAT 39-12-43.3627	LONG -80-36-13.9898
JORAN UNIT 1H	N 261244.08	E 1687157.27	LAT 39-12-43.1677	LONG -80-36-14.7443	N 4340386.39	E 534195.04	LAT 39-12-43.4850	LONG -80-36-14.0975
BOLTE UNIT 2H	N 261256.55	E 1687148.94	LAT 39-12-43.2900	LONG -80-36-14.8520	N 4340390.15	E 534192.44	LAT 39-12-43.6073	LONG -80-36-14.2053
BOLTE UNIT 1H	N 261269.03	E 1687140.61	LAT 39-12-43.4123	LONG -80-36-14.9598	N 4340393.90	E 534189.94	LAT 39-12-43.7295	LONG -80-36-14.3130
WAGNER "B" UNIT 5V	N 261437.07	E 1687108.00	LAT 39-12-45.0692	LONG -80-36-15.4003	N 4340444.93	E 534179.05	LAT 39-12-45.3864	LONG -80-36-14.7536
Proposed Well Pad Elevation					1,311.0			

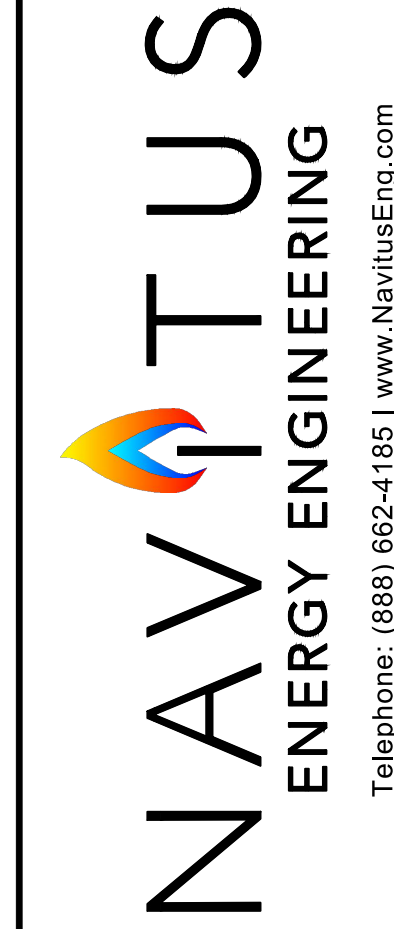
EX. WAGNER WELL PAD

Well Name	WV North		NAD 27 Lat & Long		NAD 83 UTM (METERS) ZONE 17		NAD 83 Lat & Long	
	NAD 27							
As-Drilled Location								
Lettie Unit 1H (Drilled) API# 47-017-06422	N 260723.42	E 1687120.77	LAT 39-12-38.0173	LONG -80-36-15.1266	N 4340227.58	E 534186.57	LAT 39-12-38.3347	LONG -80-36-14.4799
Lettie Unit 2H (Drilled) API# 47-017-06435	N 260734.19	E 1687120.90	LAT 39-12-38.1238	LONG -80-36-15.1267	N 4340230.86	E 534186.55	LAT 39-12-38.4412	LONG -80-36-14.4799
Downs Unit 2H (Drilled) API# 47-017-06434	N 260754.15	E 1687120.80	LAT 39-12-38.3211	LONG -80-36-15.1311	N 4340236.95	E 534186.42	LAT 39-12-38.6385	LONG -80-36-14.4843
Downs Unit 1H (Drilled) API# 47-017-06433	N 260764.09	E 1687121.20	LAT 39-12-38.4193	LONG -80-36-15.1275	N 4340239.97	E 534186.49	LAT 39-12-38.7367	LONG -80-36-14.4807
Proposed Well Pad Elevation					1,270.8			

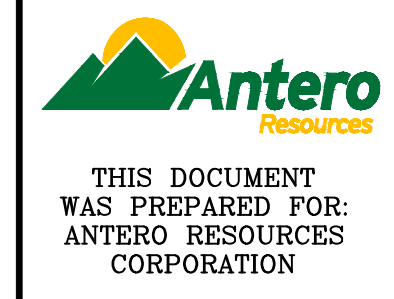
AS-BUILT CERTIFICATIONS:

THE DRAWINGS, CONSTRUCTION NOTES, AND REFERENCE DIAGRAMS ATTACHED HERETO HAVE BEEN PREPARED IN ACCORDANCE WITH THE WEST VIRGINIA CODE OF STATE RULES, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS CRS 35-8.

MISS Utility of West Virginia
 1-800-245-4848
 West Virginia State Law
 (Section XIV: Chapter 24-C)
 Requires that you call two
 business days before you dig in
 the state of West Virginia.
 IT'S THE LAW!!



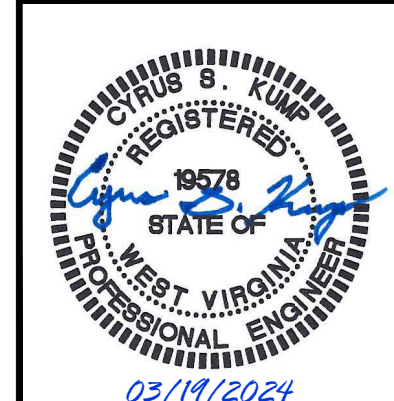
DATE	REVISION
03/19/2024	REVISED PER LOD MODIFICATION



THIS DOCUMENT WAS PREPARED FOR:
 ANTERO RESOURCES CORPORATION

COVER SHEET

WAGNER "B"
 WELL PAD & WATER CONTAINMENT PAD
 GREENBRIER DISTRICT
 DODDRIDGE COUNTY, WEST VIRGINIA



DATE: 10/25/2023
 SCALE: AS SHOWN
 SHEET 1 OF 7

LEGEND

APPROVED
WVDEP OOG
Modification
4/10/2024

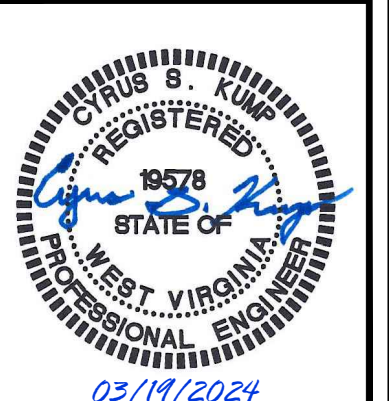
LEGEND			
EX. INDEX CONTOUR & CONTOUR LABEL		PR. INDEX CONTOUR (10' INTERVAL) & CONTOUR LABEL	
EX. INTERMEDIATE CONTOUR		PR. INTERMEDIATE CONTOUR (2' INTERVAL)	
EX. PROPERTY LINE		PR. INTERMEDIATE CONTOUR (1' INTERVAL)	
EX. TOP OF BERM		PR. INDEX ROAD CONTOUR (10' INTERVAL) & CONTOUR LABEL	
EX. ROAD EDGE OF GRAVEL/DIRT		PR. INTERMEDIATE ROAD CONTOUR (2' INTERVAL)	
EX. ROAD EDGE OF PAVEMENT		PR. PADS/STOCKPILE TOPO LIMITS	
EX. ROAD CENTERLINE		PERMITTED LIMITS OF DISTURBANCE	
EX. GUARDRAIL		MODIFICATION LIMITS OF DISTURBANCE	
EX. BRIDGE		PR. ROAD/IMPONDMENT EDGE OF GRAVEL	
EX. DITCHLINE/DRAINAGE FEATURE		PR. ROAD EDGE OF PAVEMENT	
EX. RIP-RAP		PR. ROAD CENTERLINE	
EX. CULVERT		PR. GUARDRAIL	
EX. TREELINE		PR. ROCK CONSTRUCTION ENTRANCE	
EX. BUILDING		PR. AIR BRIDGE	
EX. MISCELLANEOUS FEATURE		PR. CULVERT	
EX. 100 YR FEMA FLOODPLAIN		PR. DITCH	
EX. DELINEATED STREAM		PR. RIP-RAP TRAPEZOIDAL DITCH	
EX. DELINEATED WETLAND/POND		PR. OUTLET PROTECTION	
100' WETLAND/STREAM BUFFER		PR. ROCK LEVEL SPREADER	
STREAM/WETLAND DELINEATION STUDY AREA		PR. COMPOST FILTER SOCK	
EX. FENCELINE		PR. SMART FENCE HD	
EX. GATE		PR. WELL HEAD	
EX. PERIMETER SAFETY FENCE		PR. PAD DEWATERING SYSTEM	
EX. ACCESS GATE WITH EMERGENCY LIFELINE		PR. TOP OF PAD CONTAINMENT BERM	
EX. WELL HEAD ON DESIGNED PAD		PR. 220' X 320' PAD FOOTPRINT	
EX. GAS WELL		PR. SPOT SHOT	
EX. PIPELINE		PR. PERIMETER SAFETY FENCE	
EX. PIPELINE R/W		PR. ACCESS GATE WITH EMERGENCY LIFELINE	
EX. PIPELINE METER		PR. PIPELINE	
EX. PIPELINE VALVE		PR. PIPELINE R/W	
EX. PIT		PR. OVERHEAD UTILITY	
EX. OVERHEAD UTILITY		PR. POWER POLE/GUY WIRE	
EX. POWER POLE/GUY WIRE		PR. OVERHEAD UTILITY R/W	
EX. UNDERGROUND ELECTRIC		PR. WATERLINE	
EX. UNDERGROUND TELEPHONE		BORING LOCATION	
EX. UNDERGROUND FIBER OPTIC		X-SECTION/PROFILE GRID INDEX	
EX. UTILITY R/W		X-SECTION/PROFILE GRID INTERMEDIATE	
EX. WATERLINE		X-SECTION/PROFILE PROPOSED GRADE	
EX. WATER WELL/EX. SPRING		X-SECTION/PROFILE EXISTING GRADE	
EX. COMPOST SOCK		X-SECTION/PROFILE WATER SURFACE	
EX. SMART FENCE HD		X-SECTION/PROFILE CULVERT	
EX. SILT FENCE		MATCHLINE	
APPROX. LOCATION OF SLIDE AREA		EX. METER	
APPROX. LOCATION OF BORROW/ SPOIL AREA		EX. TANK	
PR. TOE BENCH		EX. COMBUSTOR	
EX. APPROX. SURFACE & SUB-SURFACE ELECTRIC LINE AREA		EX. GPU	
EX. APPROX. SURFACE & SUB-SURFACE DUMP LINE AREA		EX. SEPARATOR	
EX. APPROX. SURFACE & SUB-SURFACE WELL LINE AREA		EX. VRT	
EX. APPROX. SURFACE & SUB-SURFACE SALES LINE AREA		EX. KNOCK-OUT VESSEL	
		EX. STAIRS/CATWALK	
		EX. DEWATERING SYSTEM	
		EX. PIG LAUNCHER	
		EX. SECONDARY CONTAINMENT	
		EX. ABOVE-GND VAPOR LINE	
		EX. ESD	
		EX. MAILBOX	
		EX. CONTROL PT.	
		EX. MUSTER AREA	

NAVITUS
ENERGY ENGINEERING
Telephone: (868) 662-4165 | www.NavitusEng.com

DATE	REVISION	REVISED PER	LOD	MODIFICATION
03/19/2024				

Antero Resources
THIS DOCUMENT WAS PREPARED FOR:
ANTERO RESOURCES CORPORATION

LEGEND
WAGNER "B"
WELL PAD & WATER CONTAINMENT PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA



DATE: 10/25/2023
SCALE: N/A
SHEET 2 OF 7

GENERAL NOTES:

1. THE TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED ON MARCH 30, 2022 AERIAL PHOTOGRAPHY COMPILED NOVEMBER, 2022 BY THRASHER, BURTON, WEST VIRGINIA.
2. AS-BUILT INFORMATION SHOWN HEREON IS BASED ON FIELD SURVEY PERFORMED BY NAVITUS ENGINEERING, INC. ON OCTOBER 02, 2023.
3. THE PROPERTY LINES SHOWN HEREON DO NOT REPRESENT A BOUNDARY SURVEY ON ANY OF THE PARCELS SHOWN. PROPERTY CORNERS AND LINES PERTINENT TO WELL LOCATION ARE BASED ON A FIELD SURVEY. THE REMAINDER OF THE PROPERTY LINES ARE BASED ON COUNTY REAL ESTATE TAX MAPS, GIS INFORMATION AND DEEDS OF RECORD.
4. UTILITIES AND THEIR LOCATIONS AS SHOWN HEREON ARE BASED ON: A) OBSERVABLE EVIDENCE OF THOSE VISIBLE, ABOVE-GROUND FACILITIES, FEATURES, AND MARKERS WHICH WERE FOUND ON THE SUBJECT PROPERTY AT THE TIME OF SURVEY PERFORMED BY NAVITUS ENGINEERING AND B) FIELD MARKINGS PLACED BY UTILITY COMPANIES IN RESPONSE TO THE WV 811 TICKET SUBMITTED BY NAVITUS ENGINEERING. NAVITUS ENGINEERING CANNOT GUARANTEE THE ACCURACY OF THE UTILITY MARKINGS PERFORMED BY OTHERS OR THAT ALL UTILITIES EXISTING WITHIN THE LIMITS OF THIS PLAN ARE SHOWN. ANY UTILITIES ENCOUNTERED SUBSEQUENT TO PLAN APPROVAL OR DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE PLAN SHOULD BE REPORTED TO NAVITUS ENGINEERING AND ANTERO RESOURCES CORPORATION.

OVERALL PLAN SHEET INDEX

GRID NORTH AND ELEVATIONS SHOWN HEREON WERE ESTABLISHED BY SURVEY GRADE GPS

TOTAL AS-BUILT LENGTH OF E&S CONTROLS (LF)	
SF HD	18" CFS
3858	409

APPROVED
WVDEP OOG
Modification
4/10/2024

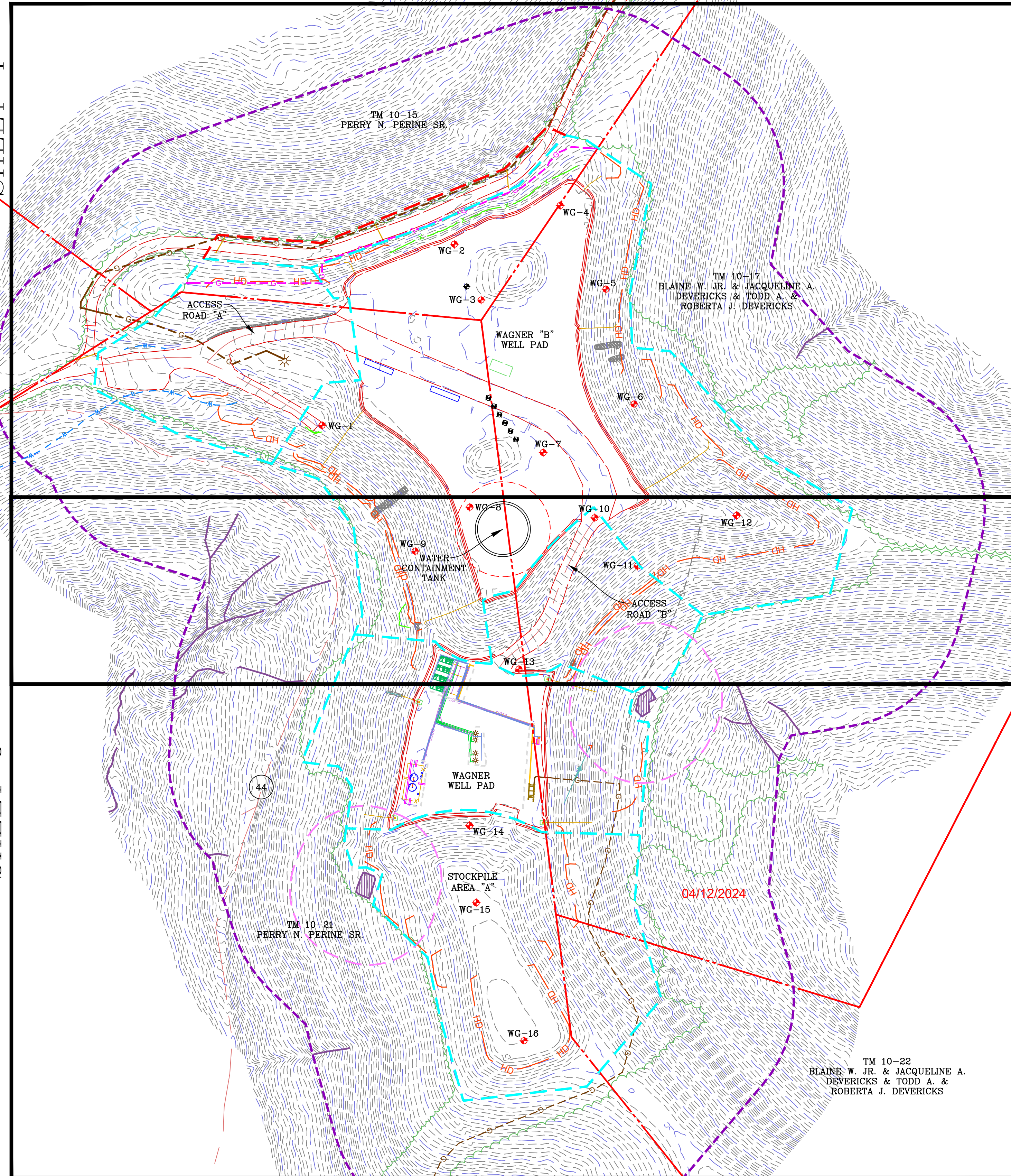
TM 10-14
WILLIAM E. MCCLAIN
MB012 PG010
38 AC

SHEET 4

SHEET 5

SHEET 4

SHEET 5



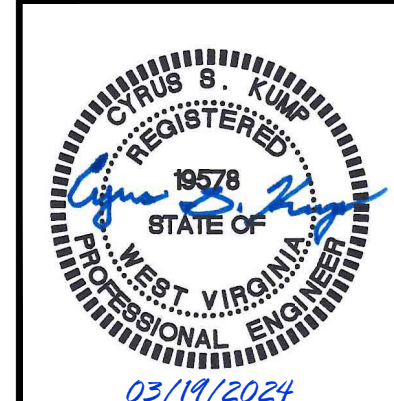
04/12/2024

TM 10-22
BLAINE W. JR. & JACQUELINE A.
DEVERICKS & TODD A. &
ROBERTA J. DEVERICKS

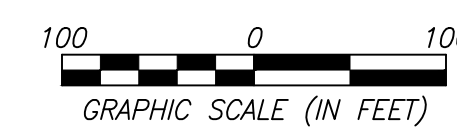
DATE	REVISION
03/19/2024	REVISED PER LOD MODIFICATION

Antero Resources
THIS DOCUMENT WAS PREPARED FOR:
ANTERO RESOURCES CORPORATION

OVERALL PLAN SHEET INDEX
WAGNER "B"
WELL PAD & WATER CONTAINMENT PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA



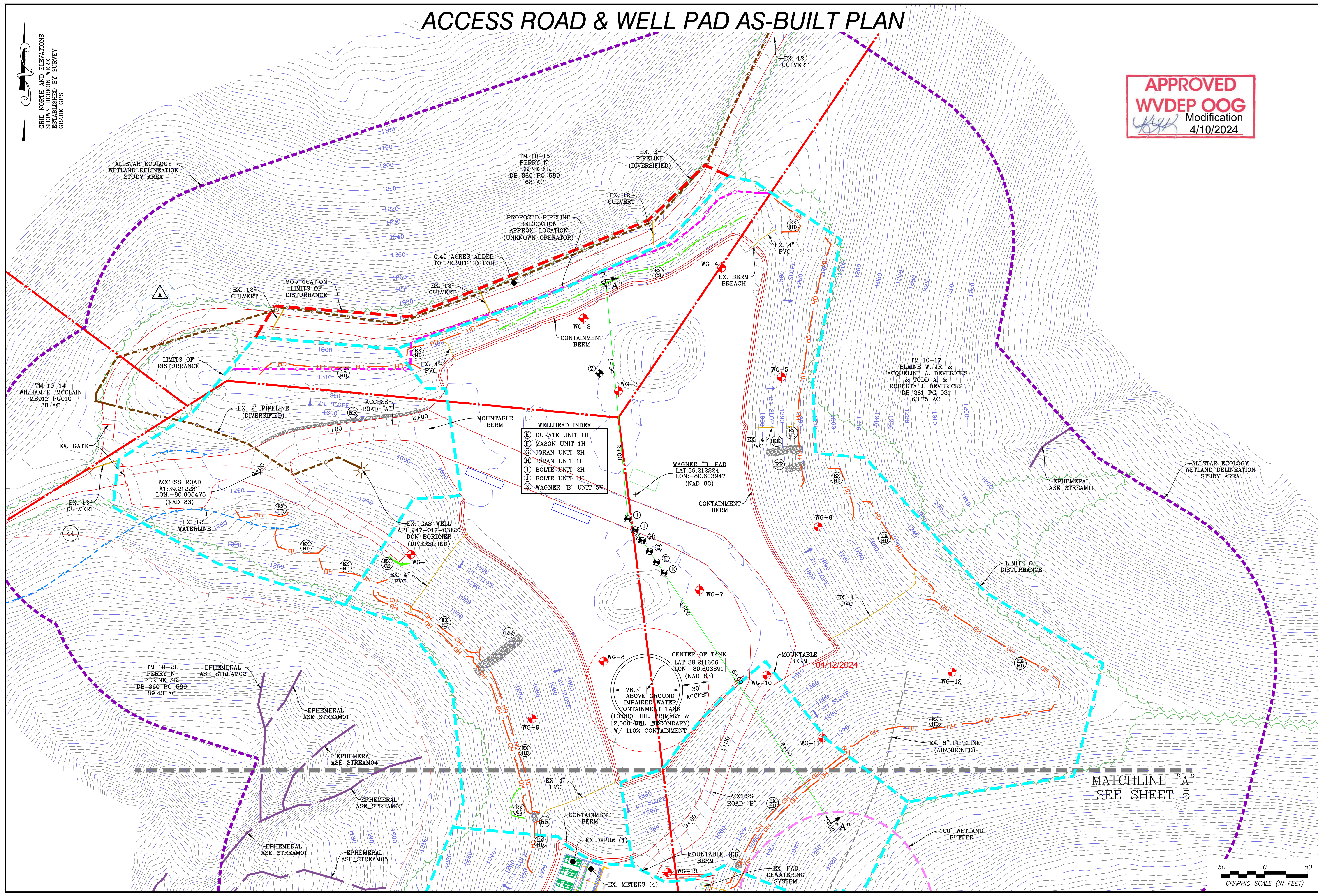
DATE: 10/25/2023
SCALE: 1" = 100'
SHEET 3 OF 7



ACCESS ROAD & WELL PAD AS-BUILT PLAN

APPROVED
WVDEP OOG
Modification
4/10/2024

GRID NORTH AND ELEVATIONS
SHOWN HEREON WERE
OBTAINED BY SURVEY
GRADE GPS



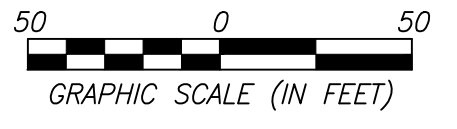
- WELLHEAD INDEX**
- (B) DUKATE UNIT 1H
 - (F) MASON UNIT 1H
 - (C) JORAN UNIT 2H
 - (H) JORAN UNIT 1H
 - (I) BOLTE UNIT 2H
 - (J) BOLTE UNIT 1H
 - (Z) WAGNER 'B' UNIT 5V

WAGNER "B" PAD
LAT: 39.212224
LON: -80.603947
(NAD 83)

CENTER OF TANK
LAT: 39.211606
LON: -80.603891
(NAD 83)

78.3' ABOVE GROUND
CONTAINED WATER
10,000 BBL. PRIMARY &
12,000 BBL. SECONDARY
W/ 110% CONTAINMENT

MATCHLINE "A"
SEE SHEET 5



DATE	REVISION
03/19/2024	REVISED PER LOD MODIFICATION

Antero Resources

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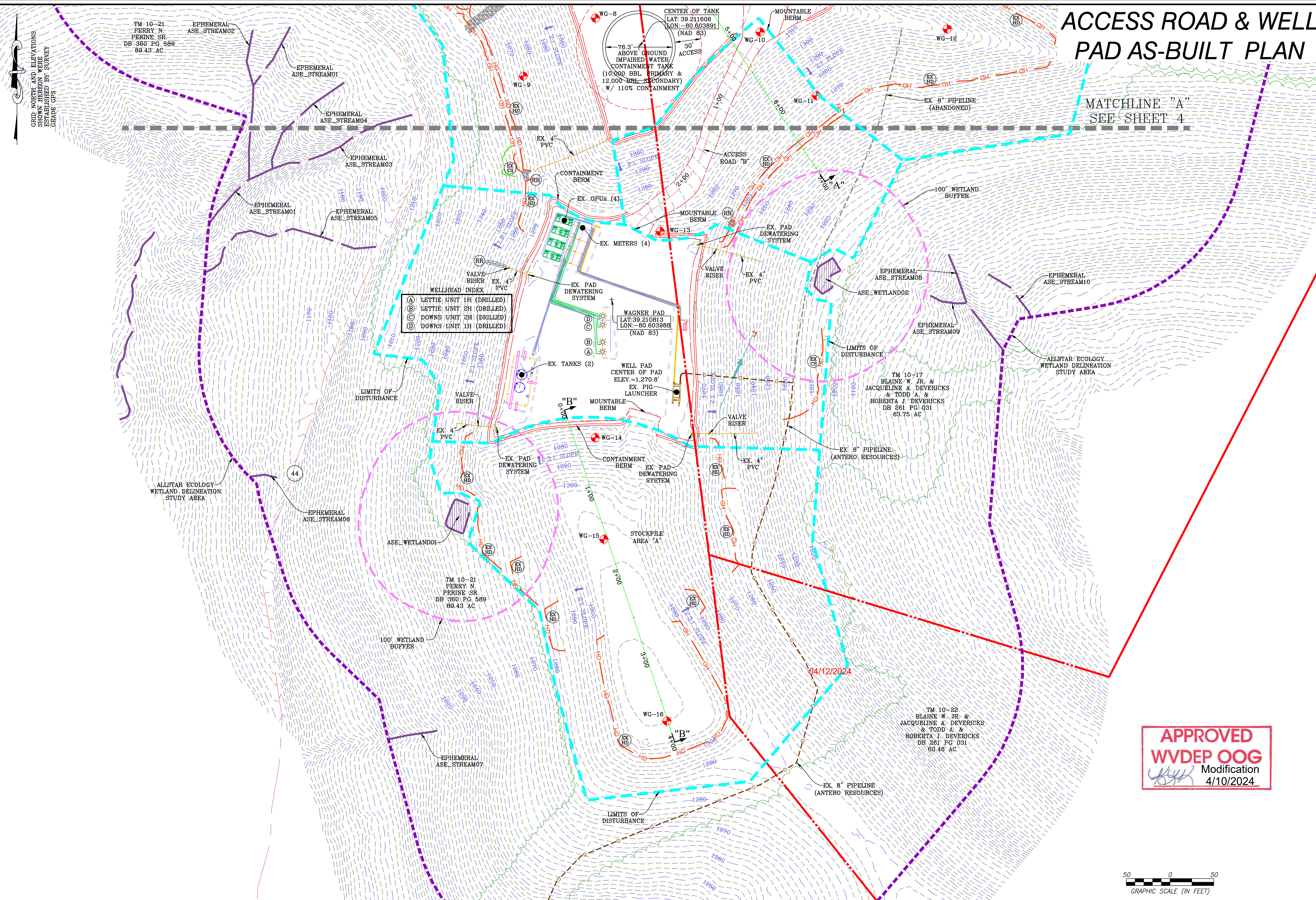
ACCESS ROAD & WELL PAD AS-BUILT PLAN

WAGNER "B"

WELL PAD & WATER CONTAINMENT PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA



DATE: 10/25/2023
SCALE: 1" = 50'
SHEET 4 OF 7

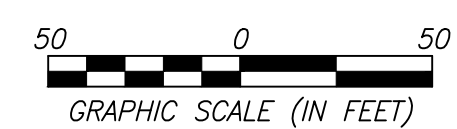


ACCESS ROAD & WELL PAD AS-BUILT PLAN

MATCHLINE "A"
SEE SHEET 4

- (A) LETTIE UNIT 1H (DRILLED)
- (B) LETTIE UNIT 2H (DRILLED)
- (C) DOWNS UNIT 2H (DRILLED)
- (D) DOWNS UNIT 1H (DRILLED)

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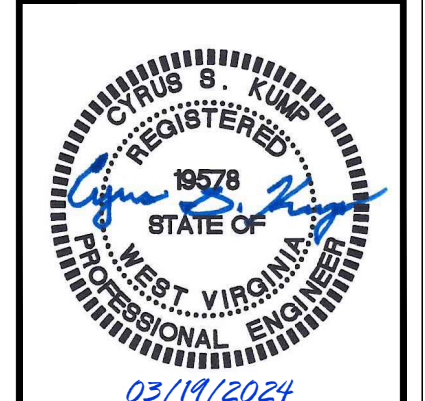


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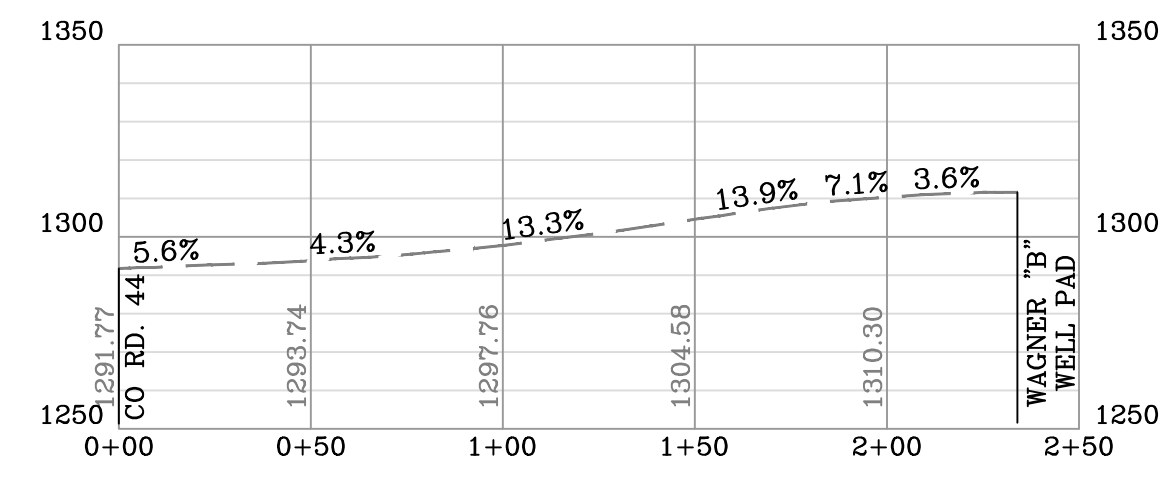
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ACCESS ROAD & WELL PAD AS-BUILT PLAN
WAGNER "B"
WELL PAD & WATER CONTAINMENT PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA

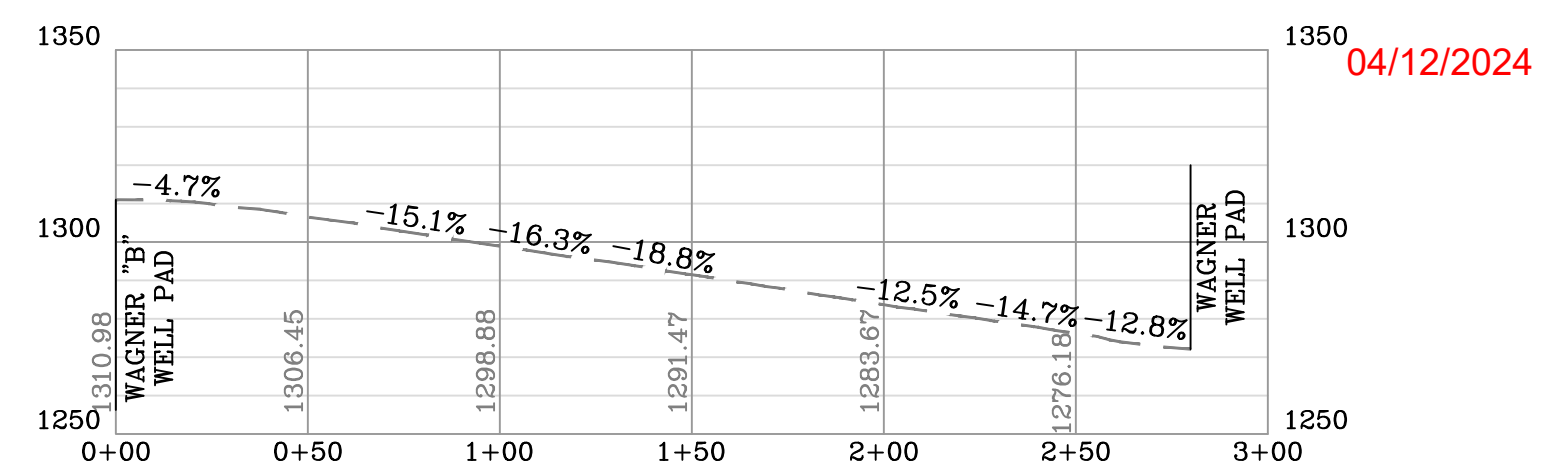


DATE: 10/25/2023
SCALE: 1" = 50'
SHEET 5 OF 7

ACCESS ROAD AS-B-BUILT PROFILES



ACCESS ROAD "A" PROFILE
SCALE: HORIZ. 1" = 50' VERT. 1" = 50'



ACCESS ROAD "B" PROFILE
SCALE: HORIZ. 1" = 50' VERT. 1" = 50'

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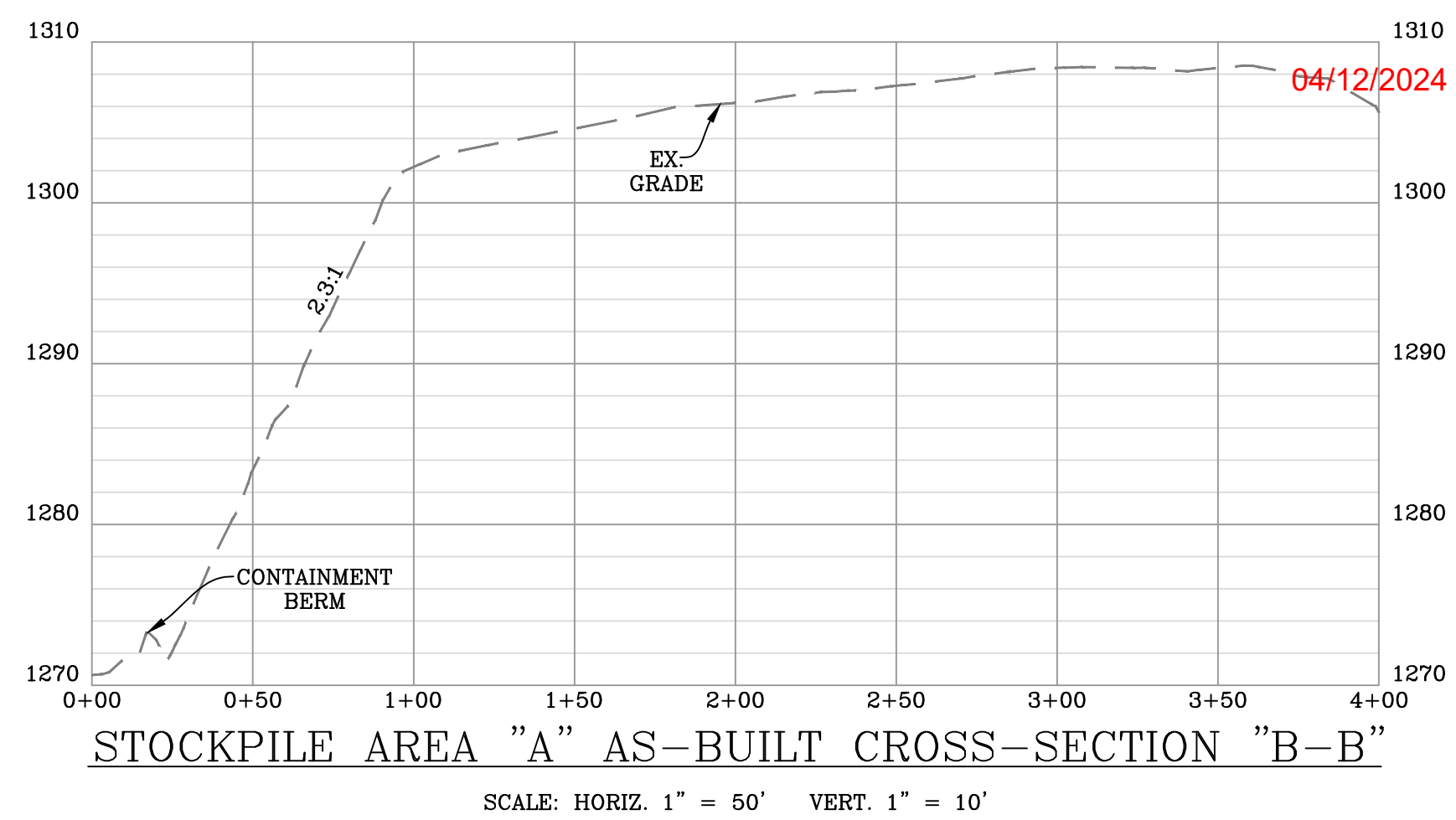
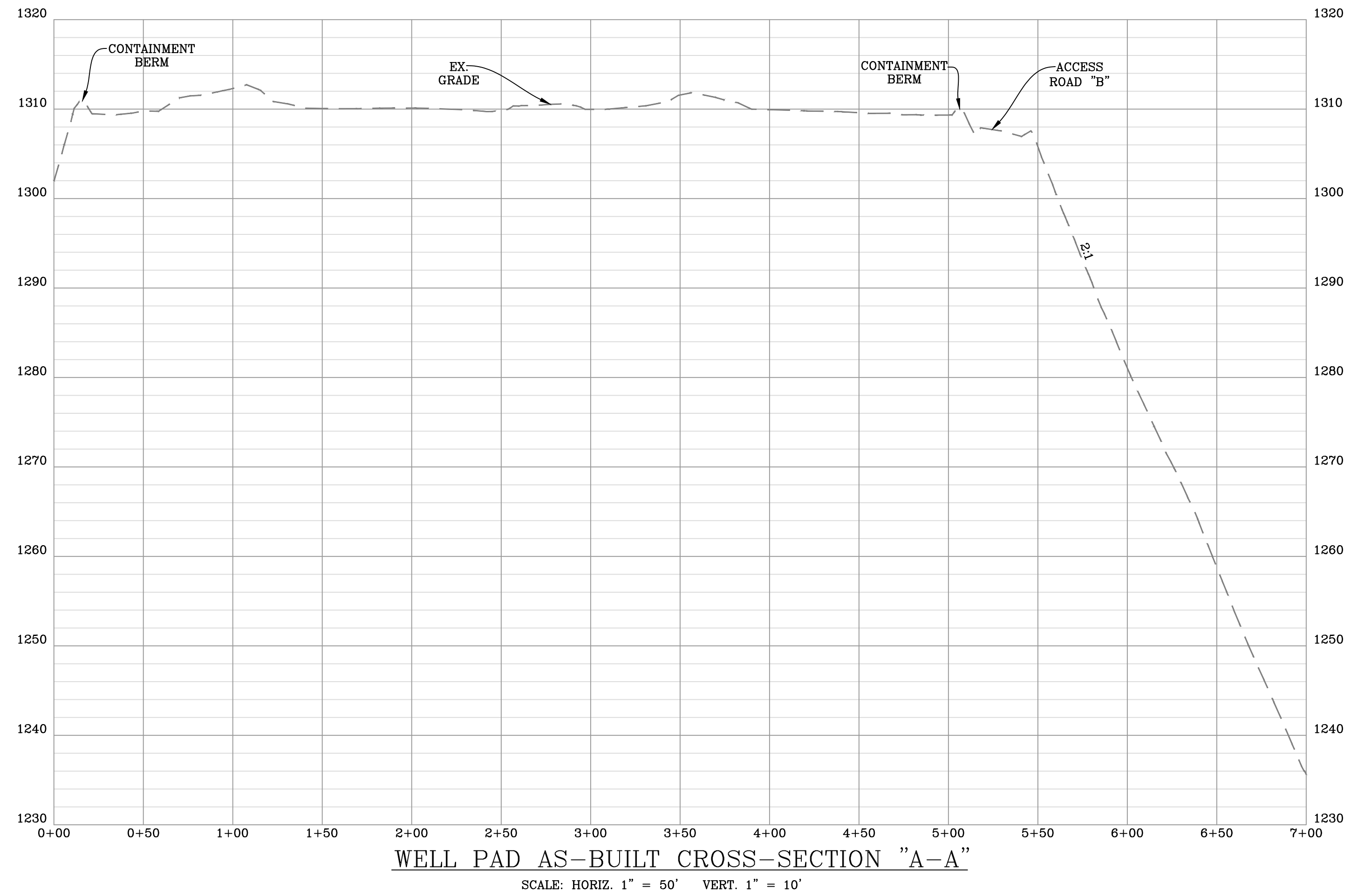
ACCESS ROAD AS-B-BUILT PROFILES
WAGNER "B"
WELL PAD & WATER CONTAINMENT PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA

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DATE: 10/25/2023
SCALE: AS SHOWN
SHEET 6 OF 7

WELL PAD & STOCKPILE AS-BUILT SECTIONS



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WELL PAD & STOCKPILE AS-BUILT SECTIONS
WAGNER "B"
WELL PAD & WATER CONTAINMENT PAD
GREENBRIER DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA



DATE: 10/25/2023
SCALE: AS SHOWN
SHEET 7 OF 7

03/25/2024