



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

Monday, October 21, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

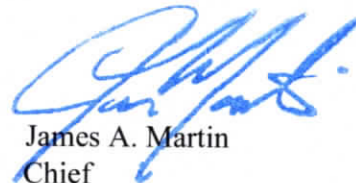
Re: Permit Modification Approval for Carnegie 15H
47-049-02527-00-00

Adding an AST to the pad

EQT PRODUCTION COMPANY

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.

A blue ink signature of James A. Martin, Chief, is written over a white background.

James A. Martin
Chief

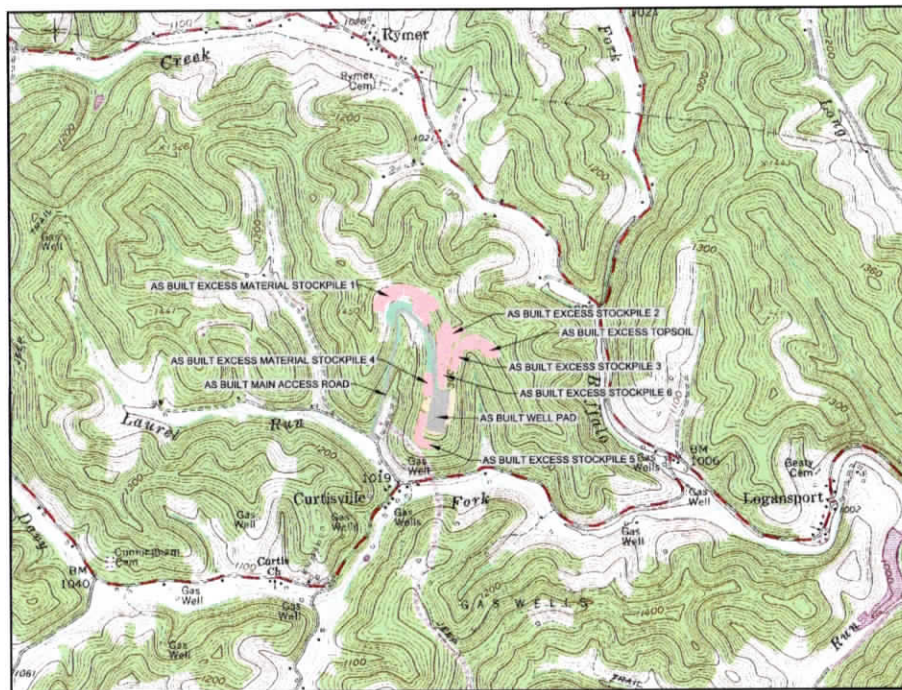
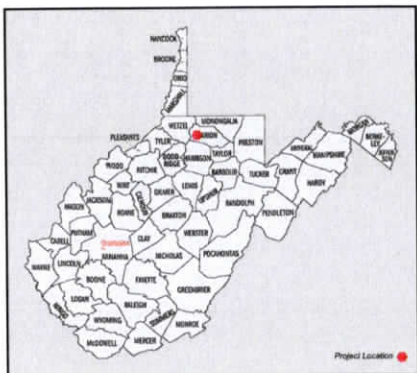
Operator's Well Number: Carnegie 15H
Farm Name: Jeanne A Musgrave Akers & Joseph Forte
U.S. WELL NUMBER: 47-049-02527-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/21/2024

Promoting a healthy environment.

10/25/2024

EQT - CARNEGIE AS-BUILT / WELL PAD AST MODIFICATION

West Virginia Coordinate System of 1983
State Plane Grid North
Elevations NAVD83
Established by Survey Grade GPS



WELL LEGEND

| | |
|----------------|-------------------------------------|
| 1H / L-003697 | - LAT: 39.523718 / LONG. -80.436315 |
| 2H / L-003698 | - LAT: 39.523751 / LONG. -80.436397 |
| 3H / L-003709 | - LAT: 39.523758 / LONG. -80.436305 |
| 4H / L-003699 | - LAT: 39.523792 / LONG. -80.436386 |
| 5H / L-003708 | - LAT: 39.523798 / LONG. -80.436294 |
| 6H / L-003700 | - LAT: 39.523832 / LONG. -80.436376 |
| 7H / L-003707 | - LAT: 39.523839 / LONG. -80.436284 |
| 8H / L-003701 | - LAT: 39.523872 / LONG. -80.436365 |
| 9H / L-003706 | - LAT: 39.523879 / LONG. -80.436273 |
| 10H / L-003702 | - LAT: 39.523913 / LONG. -80.436355 |
| 11H / L-003705 | - LAT: 39.523920 / LONG. -80.436263 |
| 12H / L-003703 | - LAT: 39.523953 / LONG. -80.436344 |
| 13H / L-007975 | - LAT: 39.523960 / LONG. -80.436252 |
| 14H / L-003704 | - LAT: 39.523994 / LONG. -80.436334 |
| 15H / L-007976 | - LAT: 39.524000 / LONG. -80.436242 |
| 16H / L-003789 | - LAT: 39.524034 / LONG. -80.436324 |
| 17H / L-004639 | - LAT: 39.524041 / LONG. -80.436231 |
| 18H / L-003783 | - LAT: 39.524074 / LONG. -80.436313 |
| 19H / L-004640 | - LAT: 39.524081 / LONG. -80.436221 |

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Office of Oil and Gas
SEP 09 2024

West Virginia Department of Environmental Protection
AFFLICTED PROPERTIES
JOHN V. FORTE
TAX MAP 49 - PARCEL 39
23.95 ACRES
SITE DISTURBANCE:
EXCESS MATERIAL STOCKPILES = 2.10 ACRES
PAD = 3.09 ACRES
TOTAL DISTURBANCE = 5.19 ACRES
TIMBER REMOVAL = 4.88 ACRES
JOSEPH L.P.
TAX MAP 49 - PARCEL 37
23.95 ACRES
SITE DISTURBANCE:
ACCESS ROAD = 8.24 ACRES
EXCESS MATERIAL STOCKPILES = 5.58 ACRES
PAD = 3.51 ACRES
TOTAL DISTURBANCE = 17.43 ACRES
TIMBER REMOVAL = 15.79 ACRES
JOHN WRIGHT
TAX MAP 49 - PARCEL 38
81.25 ACRES
SITE DISTURBANCE:
MAIN ACCESS ROAD = 8.15 ACRES
EXCESS MATERIAL STOCKPILES = 13.84 ACRES
TOTAL DISTURBANCE = 21.99 ACRES
TIMBER REMOVAL = 20.94 ACRES
JOSEPH V. FORTE
TAX MAP 49 - PARCEL 31
23.94 ACRES
SITE DISTURBANCE:
EXCESS MATERIAL STOCKPILES = 10.05 ACRES
TOPSOIL STOCKPILE = 2.88 ACRES
WELL PAD = 2.36 ACRES
TOTAL DISTURBANCE = 15.29 ACRES
TIMBER REMOVAL = 13.96 ACRES

FLOODPLAIN CONDITIONS

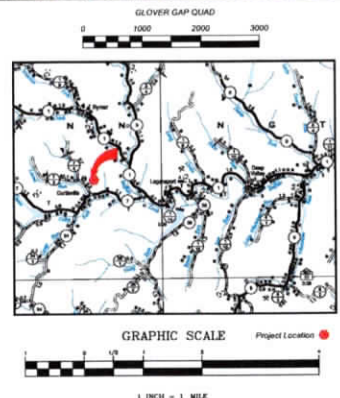
| | | |
|-----------------------------------------------------------|---------------------------|-----|
| DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN: | | |
| PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR: | | NO |
| HEC-RAS STUDY COMPLETED: | | NO |
| FLOODPLAIN SHOWN ON DRAWINGS: | | N/A |
| FIRM MAP NUMBER(S) FOR SITE: | 54049C0065D & 54049C0070D | N/A |
| ACREAGES OF CONSTRUCTION IN FLOODPLAIN: | | N/A |

SHEET INDEX

| | |
|------------------------------|------|
| COVER SHEET / LOCATION MAP | 1 |
| AS-BUILT OVERVIEW PLAN | 2 |
| AS-BUILT SITE PLAN | 3-7 |
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| AS-BUILT ACCESS ROAD PROFILE | 9-10 |

SITE LOCATIONS
WGS 84 (WV NORTH ZONE)

| LATITUDE | LONGITUDE |
|------------------------------------|----------------------|
| As Built Well Pad | 39.523919 -80.436421 |
| As Built Access Road Site 1400 | 39.523937 -80.440416 |
| Proposed Access Road Well Pad 2171 | 39.524049 -80.438249 |



- WELL LOCATION RESTRICTIONS**
- Well Pad complies with the Well Location Restrictions of WV code 22-6A-12
- * 250' from an existing well or developed spring used for human or domestic animals.
 - * 625' to occupied dwelling or barn greater 2500 SF used for poultry or dairy measured from the center of the pad.
 - * 100' from edge of disturbance to wetlands, perennial streams, natural or artificial lake, pond or reservoir.
 - * 300' from edge of disturbance to naturally reproducing trout streams.
 - * 1000' of surface or ground water intake to a public water supply.

As-Built Certification
These drawings have been prepared using high density 3D scan data provided by Allegheny Surveys, Inc. on 8.9.23 and reflect the locations and as-built conditions known to exist following construction of this site, to the best of my knowledge.

APPROVED
WVDEP OOG
Modification
10/21/2024

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!!!



Allegheny Surveys, Inc.
P.O. Box 438
237 Birch River Road
Birch River, WV 26610
304-649-8606



Hornor
Since 1926
Bros. Engineers
Civil, Mining, Environmental and
Chal. 1400 State Street, 1st Floor, Mt. Weir, WV
26041, West Virginia, USA. Phone: 304-241-1144



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PREPARED FOR
BY PRODUCTION
COMPANY

AS-BUILT COVER SHEET / LOCATION MAP
**CARNEGIE
MODIFIED WELL PAD SITE**
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024
Scale: As Noted

| DATE | REVISIONS | Designed by: TBC |
|------------|----------------------------------|-------------------|
| 11/06/2023 | ADDED ADDITIONAL AS BUILT RIPRAP | File No. 11062023 |
| | | Page 1 of 10 |

CARNEGIE WELL PAD OVERVIEW OF AS BUILT SITE / AST MODIFICATION

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SEP 09 2024

WV Department of
Environmental Protection



All appropriate information shown herein is based on high quality AS built data provided by Allegheny Surveys, Inc. on 8/8/24.



Allegheny Surveys Inc.
P.O. Box 438
237 Birch River Road
Birch River, WV 26610
304-549-8600



Hornor
Gregory J. Hornor, P.E.
Civil, Mining, Environmental and
Surveying
1000 Main Street, Suite 1000, Charleston, WV 25302



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OVERVIEW OF AS BUILT SITE
**CARNEGIE
MODIFIED WELL PAD SITE**
MANNINGTON DISTRICT
MARION COUNTY, WV

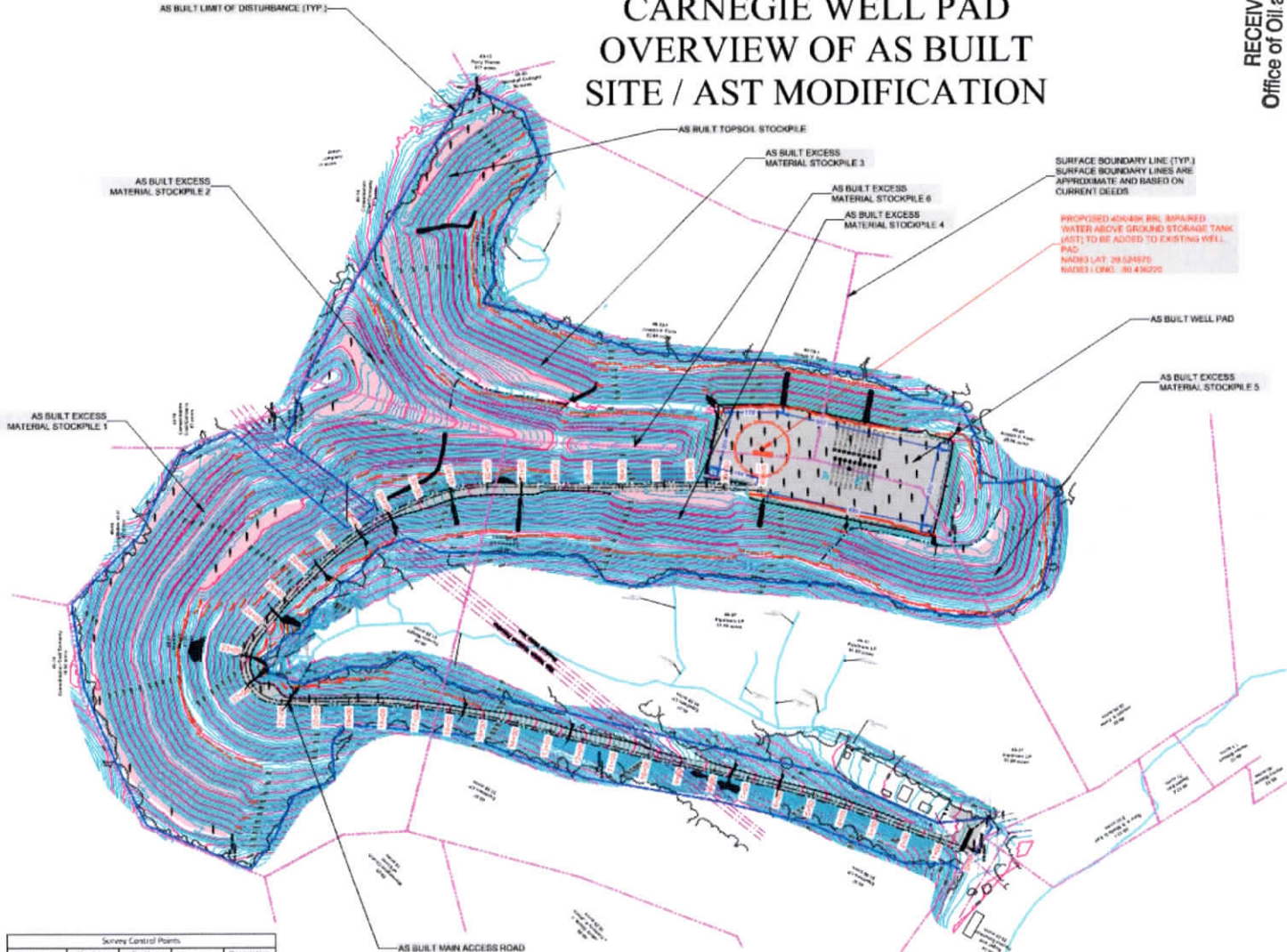
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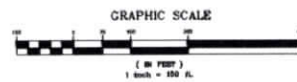
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File No: [Signature]

Page: 2 of 10



| Survey Control Points | | | | |
|-----------------------|-----------|------------|-----------|-------------|
| Point Number | Northing | Easting | Elevation | Description |
| 100 | 373846.03 | 1703227.30 | 1034.73 | S/O Rebar |
| 101 | 375073.56 | 1703467.94 | 1235.22 | S/O Rebar |
| 104 | 376140.11 | 1703236.82 | 1413.46 | S/O Rebar |
| 105 | 376216.43 | 1703501.32 | 1413.79 | S/O Rebar |
| 106 | 373429.07 | 1703476.58 | 1382.35 | S/O Rebar |
| 107 | 374026.93 | 1704167.48 | 1135.40 | S/O Rebar |



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Kenny Willett

| DATE | REVISIONS |
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CARNEGIE WELL PAD AS BUILT SITE PLAN

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WV Department of
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All topographic information shown herein is based on high density 3D scan data provided by Allegheny Surveys, Inc. on 8.8.23



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Birch River, WV 26610
304-649-8606

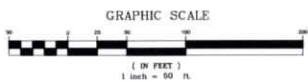
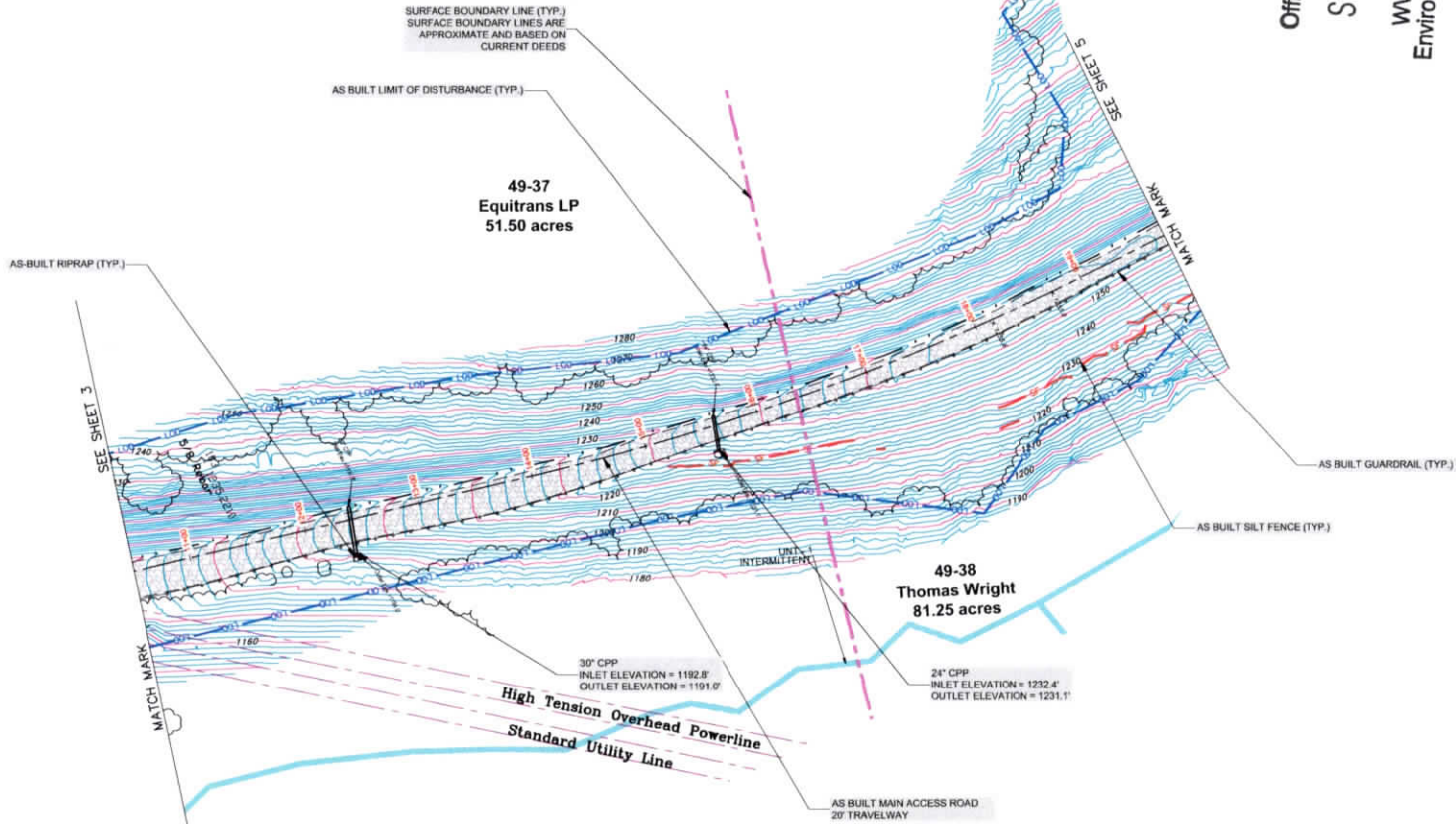


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140 State Street, Suite 200
Martinsburg, West Virginia, 26150



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AS BUILT SITE PLAN
CARNEGIE
MODIFIED WELL PAD SITE
MANNINGTON DISTRICT
MARION COUNTY, WV



- Legend
- As Built Stored Areas
 - As Built Riprap
 - As-Built Tree Line
 - Existing Utility Pole
 - Existing Gas Line CL
 - As Built 2' Contour
 - As Built 10' Contour
 - As Built 5' Contour
 - As Built Silt Fence
 - As Built Straw Wattle
 - Limits of Disturbance (As-Built)
 - As Built Ditch Line
 - Surface Boundary Line

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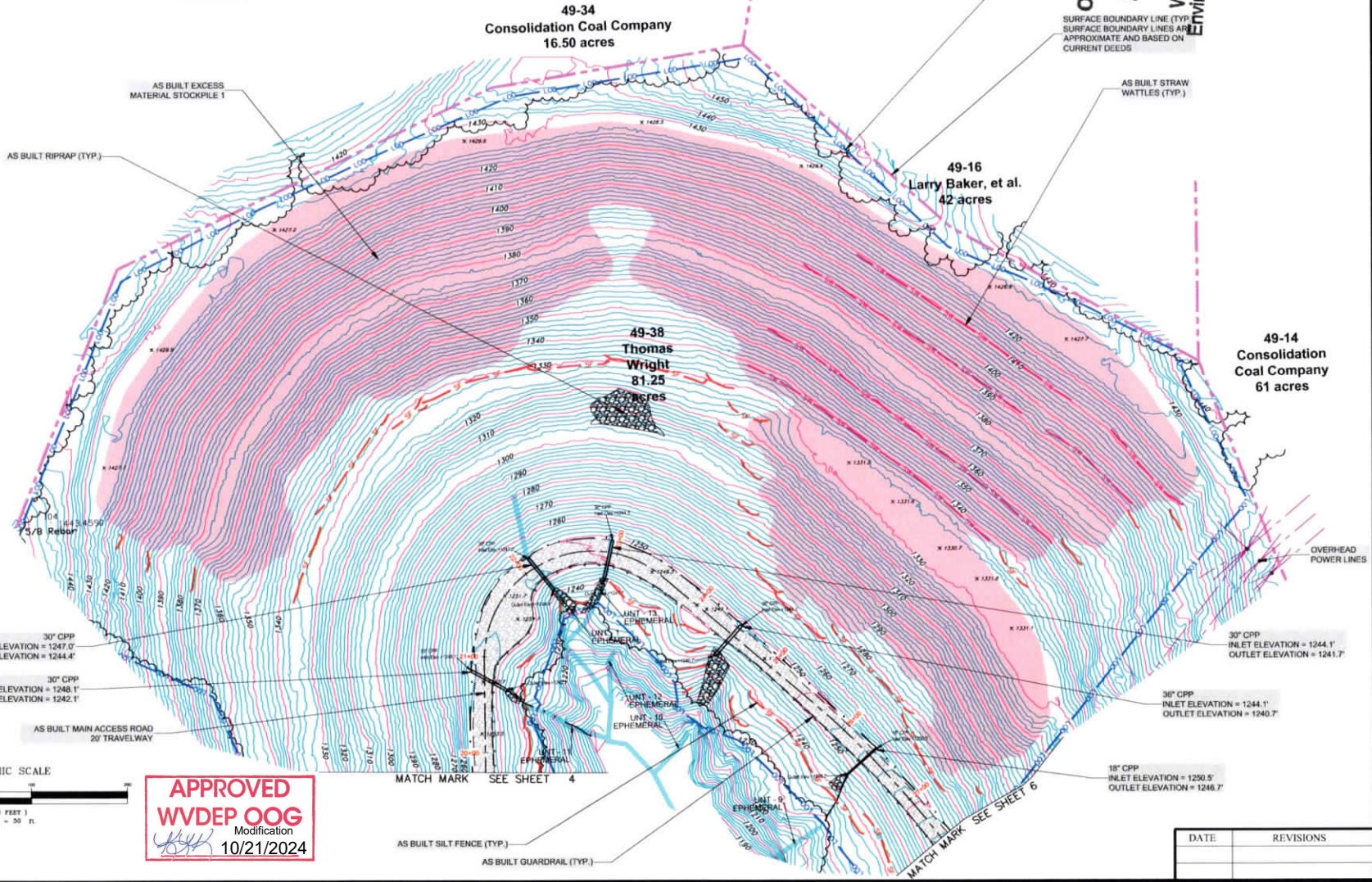
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| DATE | REVISIONS |
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Designed By: SNC
File No.:
Page 4 of 10

CARNEGIE WELL PAD AS BUILT SITE PLAN

As Built Stored Areas
As Built Spill Areas
As Built Riprap

As-Built Tree Line
Existing Utility Pole
As Built 2' Contour
As Built 10' Contour
As Built Silt Fence
As Built Straw Wattle
Limits of Disturbance (As-Built)
As Built Ditch Line
Surface Boundary Line



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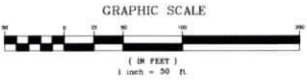
Hornor Bros, Engineers
31602
Civil, Mining, Environmental and Consulting Engineering
Overlays, Map System, 3036 (301) 541-8444



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AS BUILT SITE PLAN
CARNEGIE WELL PAD SITE
MANNING DISTRICT
MARION COUNTY, WV

Date: 9/5/2024
Scale: 1"=50'
Designed by: TBC
File No.:
Page: 5 of 10



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CARNEGIE WELL PAD AS BUILT SITE PLAN

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304-649-8606



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1400 South 2nd Street, 4th Floor, Suite 404
Martinsburg, West Virginia, 26101-1404



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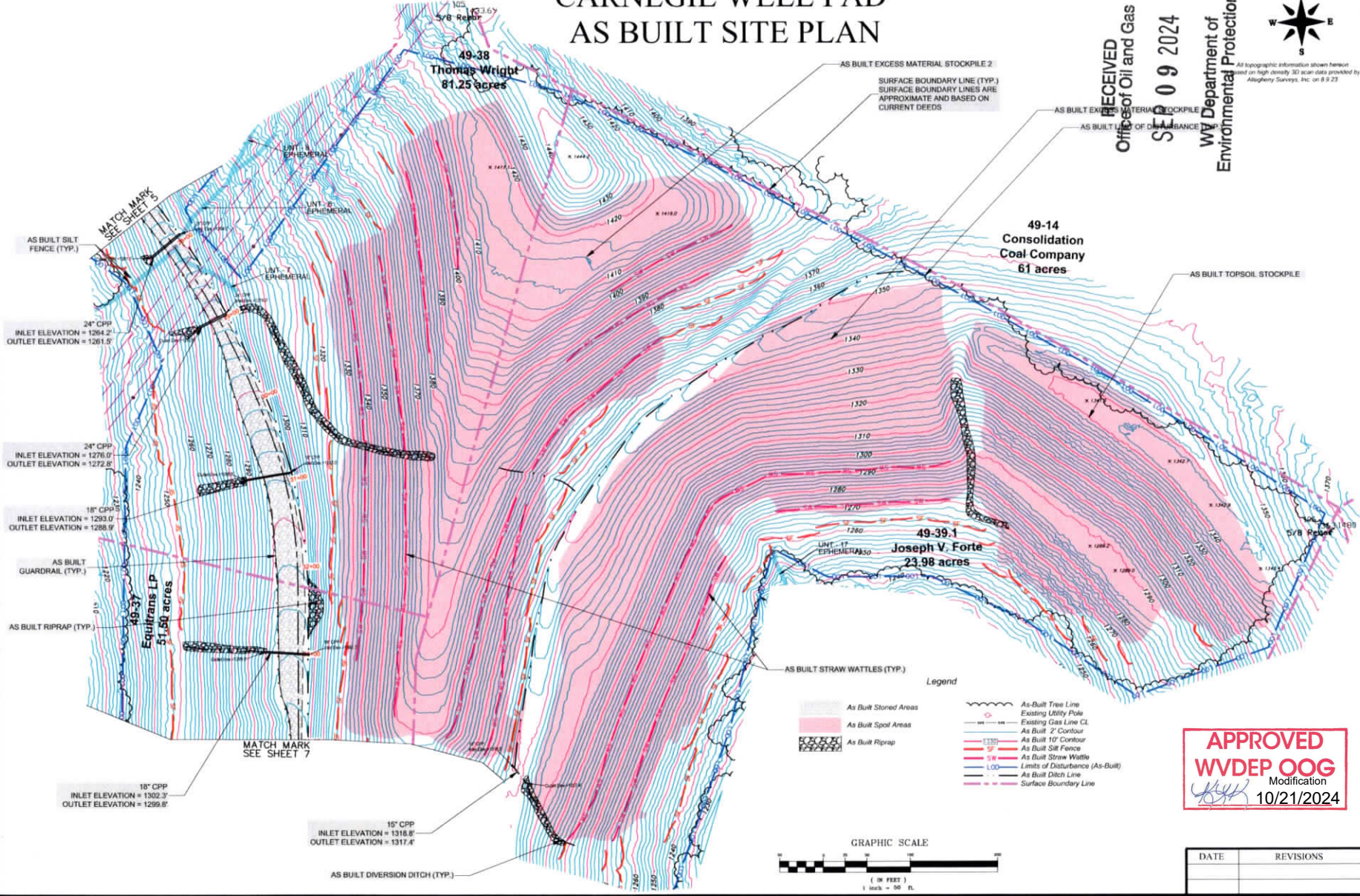
AS BUILT SITE PLAN
**CARNEGIE
MODIFIED WELL PAD SITE**
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024

Designed By: JBC

File No.: 24-000-00000000

Page: 9 of 10



DATE PLOTTED: 9/11/24 10:58 AM; PLOTTER: HP DesignJet T1100; PLOT: 11x17; PLOT SCALE: 1"=60'

CARNEGIE WELL PAD AS BUILT SITE PLAN

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WV Department of
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100 South 3rd Street, 2nd Floor, Box 200
Martinsburg, West Virginia, 26101 (304) 631-4444



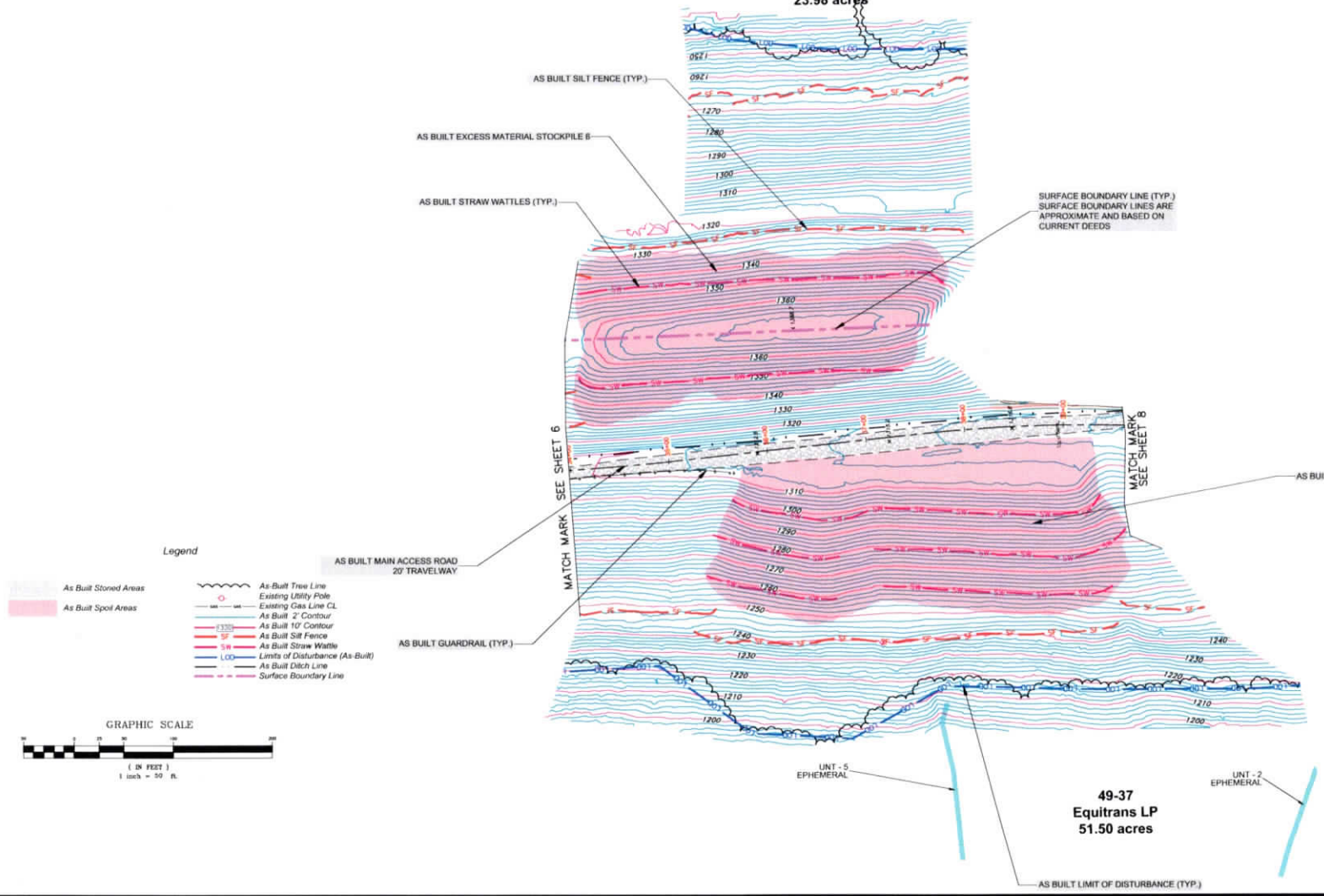
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AS BUILT SITE PLAN
CARNEGIE
MODIFIED WELL PAD SITE
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024
Scale: 1"=50'
Designed by: TMC

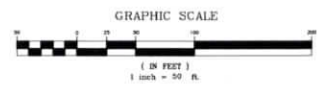
49-39.1
Joseph V. Forte
23.98 acres

49-37
Equitrans LP
51.50 acres



Legend

- As Built Stoned Areas
- As Built Spoil Areas
- As Built Tree Line
- Existing Utility Pole
- Existing Gas Line CL
- As Built 2' Contour
- As Built 10' Contour
- As Built Silt Fence
- As Built Straw Wattle
- Limits of Disturbance (As Built)
- As Built Ditch Line
- Surface Boundary Line



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CARNEGIE WELL PAD WELL PAD AST MODIFICATION PLAN

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SEP 09 2024
WV Department of
Environmental Protection

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Allegheny Surveys Inc.
P.O. Box 436
237 Birch River Road
Birch River, WV 26610
304-649-8606



Joseph V. Forte
Professional Engineer
Civil, Mining, Environmental and
Surveying
1000 Main Street, Suite 100
Martinsburg, WV 26150



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WELL PAD AST MODIFICATION PLAN
CARNEGIE
MODIFIED WELL PAD SITE
MANNINGTON DISTRICT
MARION COUNTY, WV

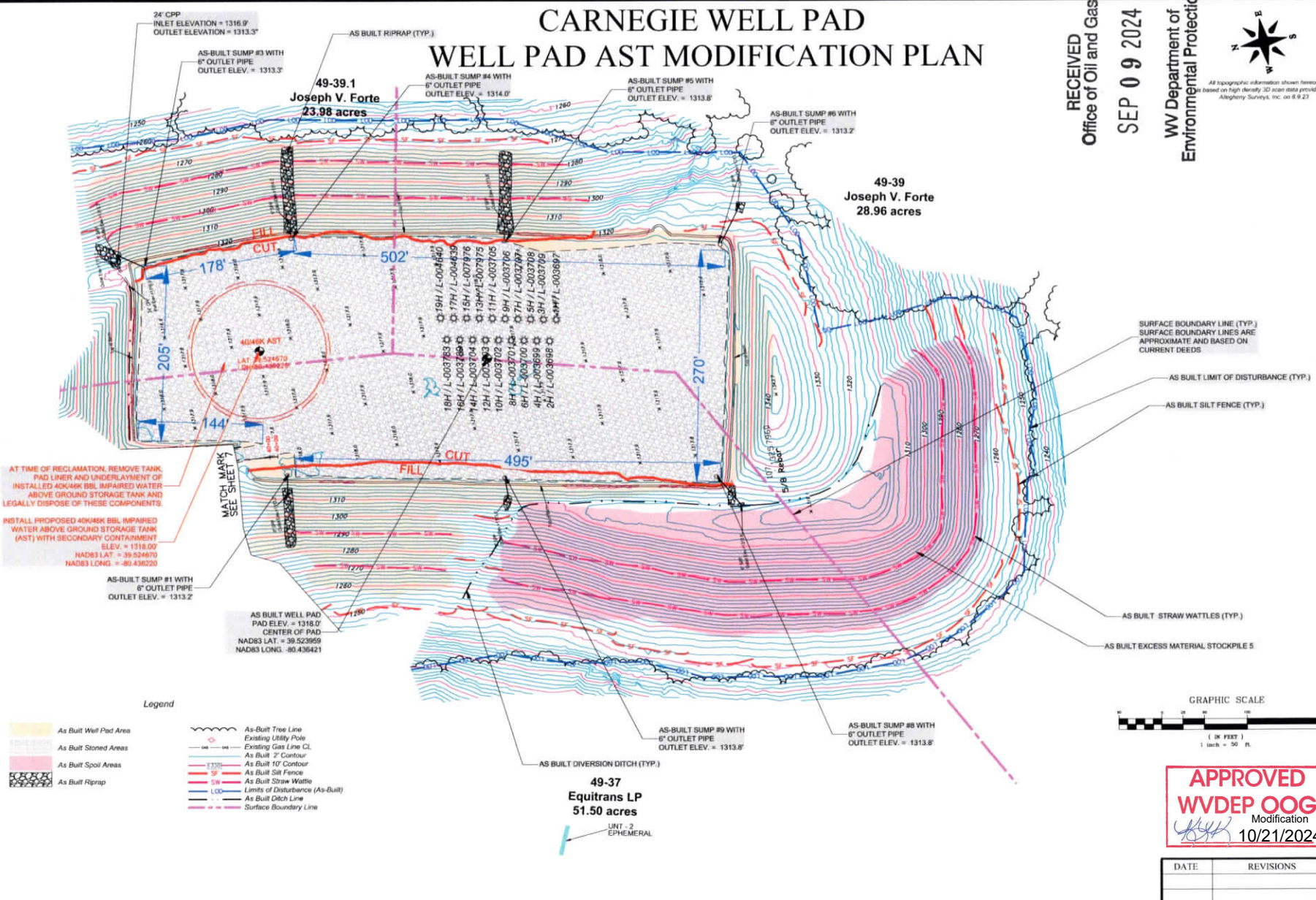
Date: 9/5/2024

Scale: 1"=50'

Designed by: JMF

File No: 24-0000000000000000

Page: 4 of 10



AT TIME OF RECLAMATION, REMOVE TANK, PAD LINER AND UNDERLAYMENT OF INSTALLED 40KMBL BBL IMPAIRED WATER ABOVE GROUND STORAGE TANK AND LEGALLY DISPOSE OF THESE COMPONENTS
INSTALL PROPOSED 40KMBL BBL IMPAIRED WATER ABOVE GROUND STORAGE TANK (AST) WITH SECONDARY CONTAINMENT
ELEV. = 1318.00'
NAD83 LAT. = 39.524670
NAD83 LONG. = -80.436230

- Legend
- As Built Well Pad Area
 - As Built Stoned Areas
 - As Built Spoil Areas
 - As Built Riprap
 - As-Built Tree Line
 - Existing Utility Pole
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 - As Built 2' Contour
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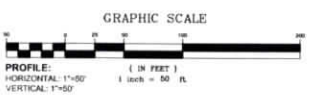
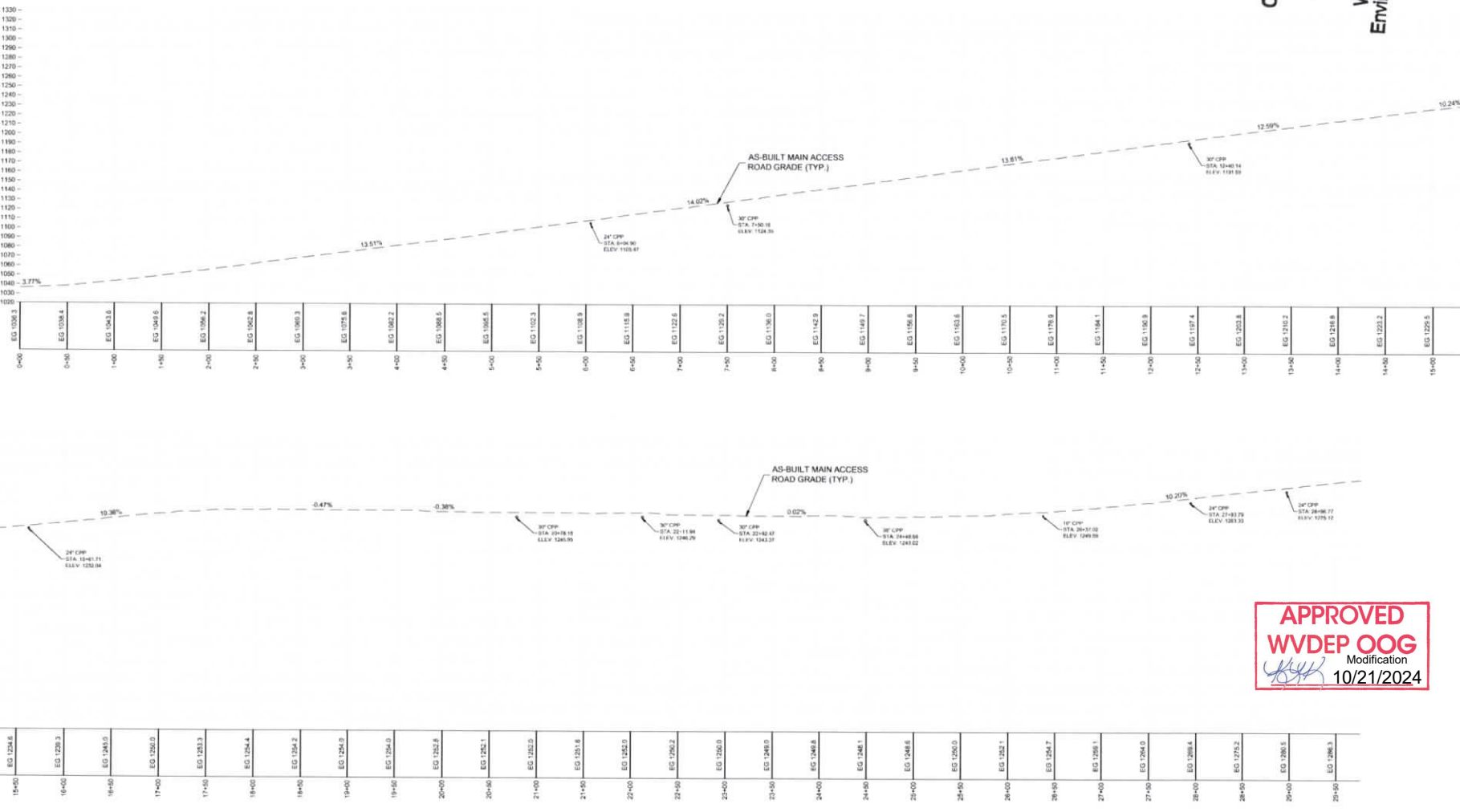


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CARNEGIE MODIFIED WELL PAD AS BUILT MAIN ACCESS ROAD PROFILE

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WV Department of
Environmental Protection



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Civil, Environmental and
Surveying
142 South 10th Street, Post Office Box 386
Chaplin, West Virginia, 26029 (304) 531-2543

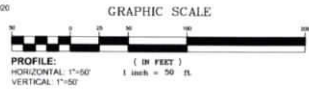
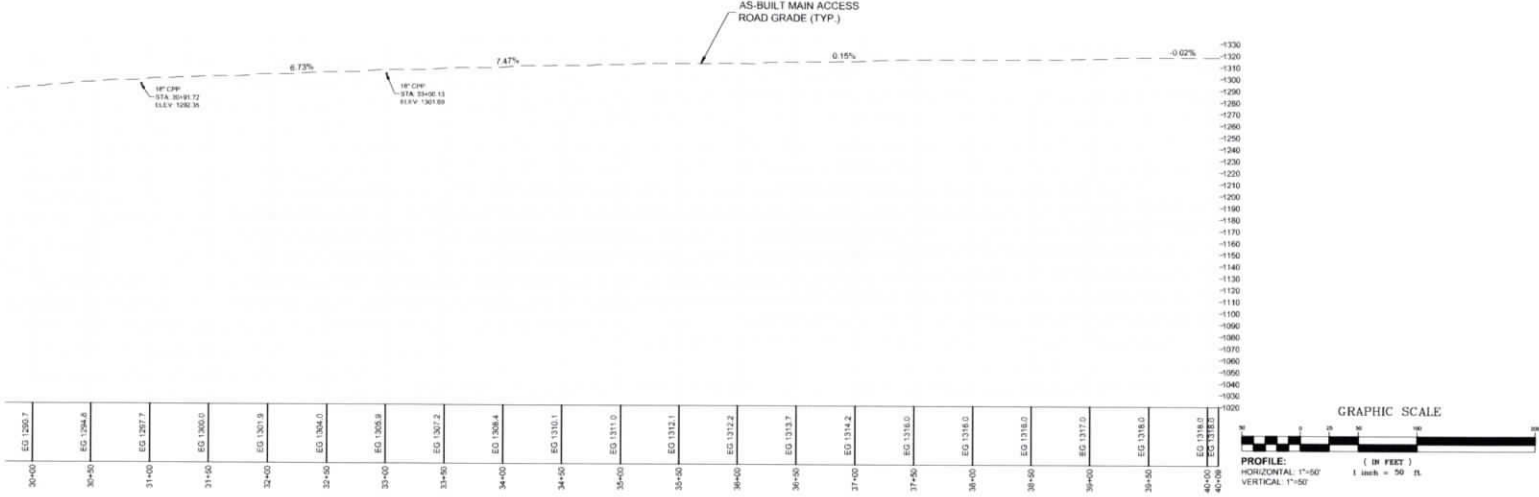


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AS BUILT MAIN ACCESS ROAD PROFILE
**CARNEGIE
MODIFIED WELL PAD SITE**
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024
Scale: 1" = 50'
Checked by: JRM
File No.:
Page: 8 of 10

CARNEGIE MODIFIED WELL PAD AS BUILT MAIN ACCESS ROAD PROFILE



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Modification
[Signature]
10/21/2024

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 Since 1902
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 Mining, Environmental and
 Civil
 145 South 10th Street, Post Office Box 286
 Charleston, West Virginia, 25301-0286



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AS BUILT MAIN ACCESS ROAD PROFILE
CARNEGIE
MODIFIED WELL PAD SITE
 MANNINGTON DISTRICT
 MARION COUNTY, WV

Date: 9/5/2024
 Scale: 1" = 50'
 Designed by: JRC
 File No.:
 Page: 10 of 10