



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 3H
47-049-02521-00-00

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 handwritten signature in blue ink, appearing to read "James A. Martin".

James A. Martin
Chief

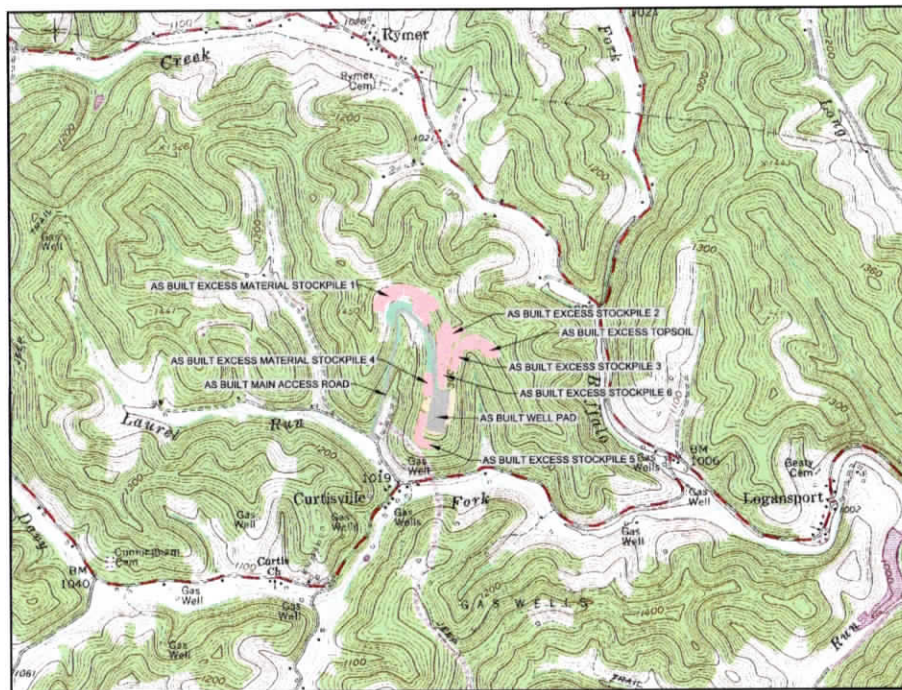
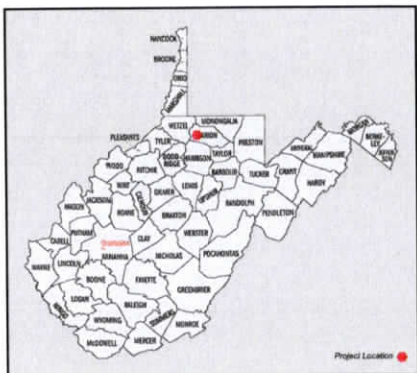
Operator's Well Number: Carnegie 3H
Farm Name: Jeanne A Musgrave Akers & Joseph Forte
U.S. WELL NUMBER: 47-049-02521-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/18/2024

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: 39.523954 / 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
23.98 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
23.98 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 W. 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
23.98 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

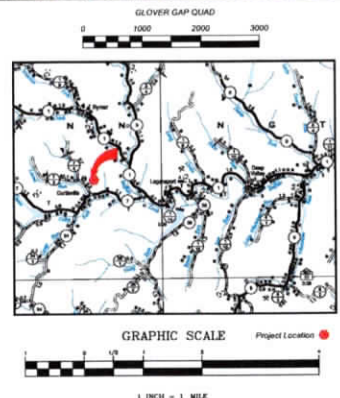
DO SITE CONSTRUCTION ACTIVITIES TAKE PLACE IN FLOODPLAIN:		
PERMIT NEEDED FROM COUNTY FLOODPLAIN COORDINATOR:		NO
HEC-RAS STUDY COMPLETED:		NO
FLOODPLAIN SHOWN ON DRAWINGS:		N/A
FIRM MAP NUMBER(S) FOR SITE:	54049C0065D & 54049C0070D	N/A
ACREAGES OF CONSTRUCTION IN FLOODPLAIN:		N/A

SHEET INDEX

COVER SHEET / LOCATION MAP	1
AS-BUILT OVERVIEW PLAN	2
AS-BUILT SITE PLAN	3-7
WELL PAD AST MODIFICATION	8
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	39.524089 -80.436249



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

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
STATE OF WEST VIRGINIA
DIVISION OF MINERAL RESOURCES

Hornor Since 1926 Bros. Engineers
Civil, Mining, Environmental and
1400 Main Street, Ste. 4000, Weirton, WV 26062
Charleston, West Virginia, 26205-0400

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: TRC
11/06/2023	ADDED ADDITIONAL AS BUILT RIPRAP	

Page: 1 of 10

CARNEGIE WELL PAD OVERVIEW OF AS BUILT SITE / AST MODIFICATION

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All Elevation information shown herein is based on high quality 83 spot data provided by Allegheny Surveys, Inc. on 8/8/23.



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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COMPANY

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

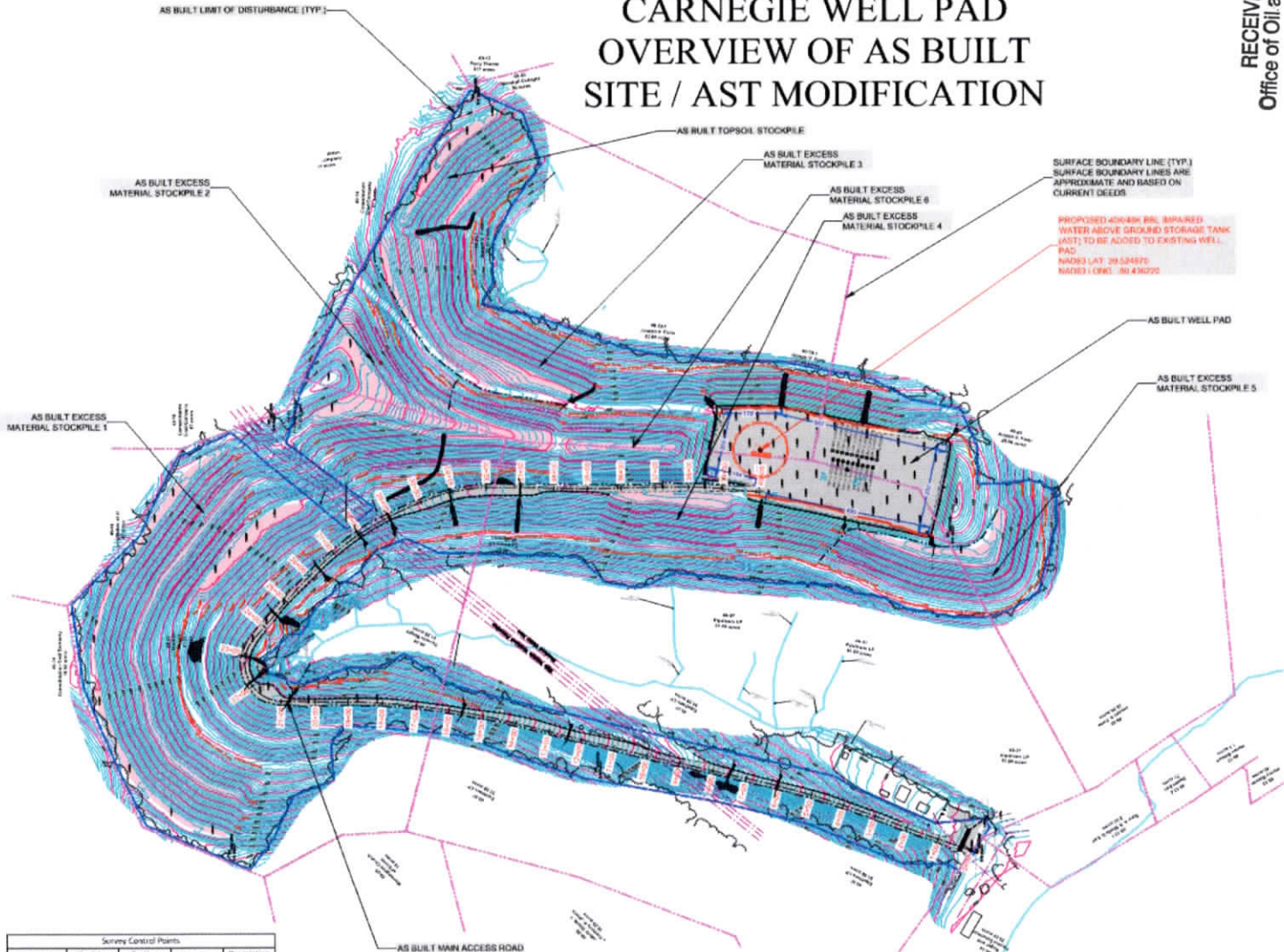
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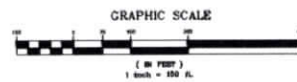
Designed by: JHR

File No: 23-00000000-0000

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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	1443.46	S/O Rebar
105	376216.43	1703501.32	1443.79	S/O Rebar
106	373429.07	1703476.58	1382.35	S/O Rebar
107	374026.93	1704167.48	1135.40	S/O Rebar



- Legend**
- As Built Well Pad Area
 - As Built Spill Area
 - As Built Stone Area
 - As Built Riprap
 - As-Built Tree Line
 - Existing Utility Pole
 - Existing 6in. Line 12
 - As Built 2' Contour
 - As Built 10' Contour
 - As Built 50' Fence
 - As Built Show Width
 - LOD
 - Limits of Disturbance (As-Built)
 - As Built Ditch Line
 - Surface Boundary Line

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10/21/2024

Kenny Willett

DATE	REVISIONS

CARNEGIE WELL PAD AS BUILT SITE PLAN

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All topographic information shown hereon is based on high density 3D scan data provided by Allegheny Surveys, Inc. on 8/9/23



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304-649-8606



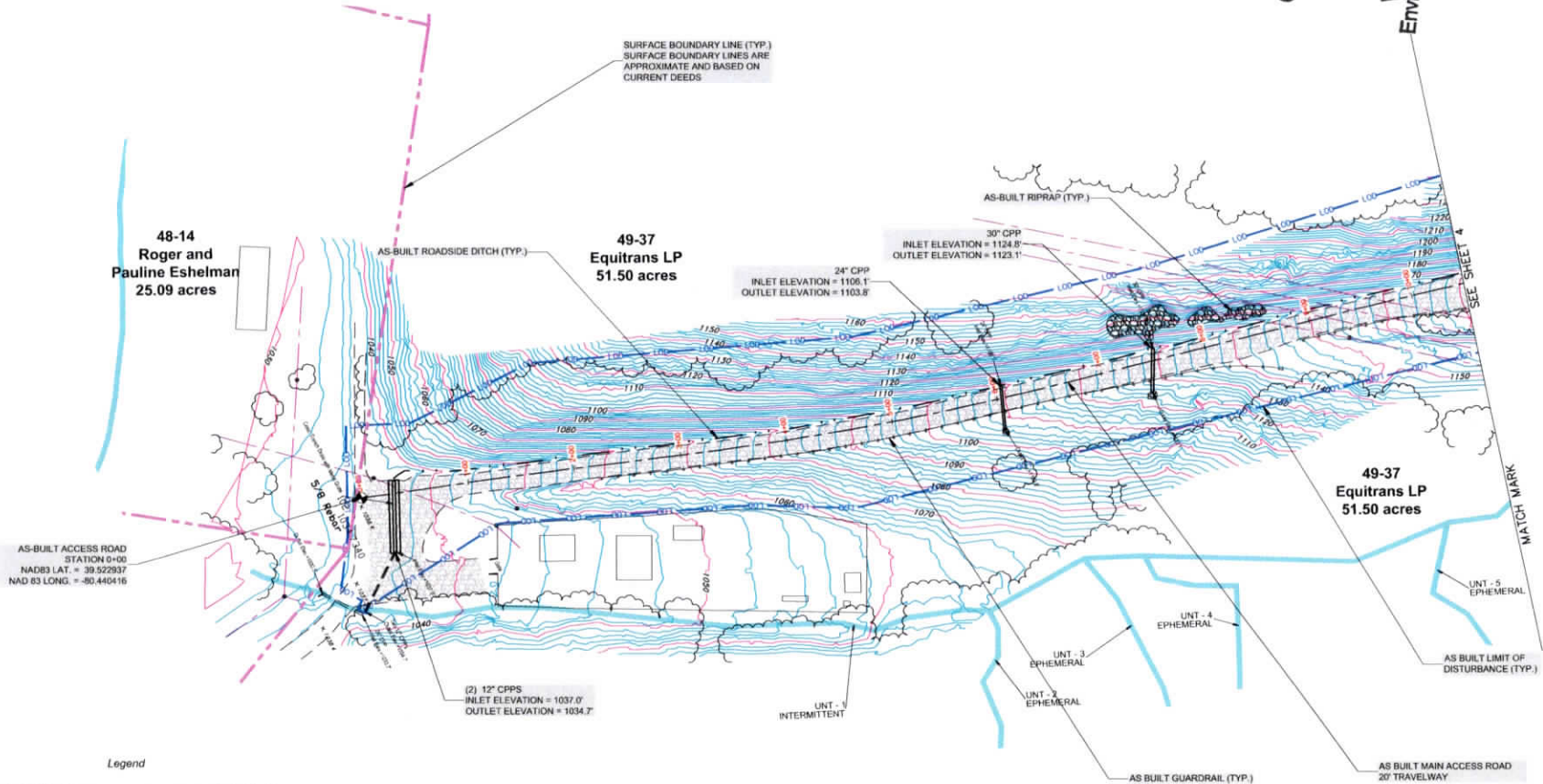
Hornor Bros., Engineers
3100 10th Street
Martinsburg, WV 26150
Civil, Mining, Environmental and
Consulting Engineering
Company, Inc. Reg. No. 10001
Contractors, Surveyors, 30th Dist. Exp. 8-24-00



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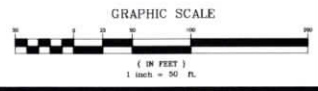
AS BUILT SITE PLAN
CARNEGIE
MODIFIED WELL PAD SITE
MANNINGTON DISTRICT
MARION COUNTY, WV

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10/21/2024



AS-BUILT ACCESS ROAD
STATION 0+00
NAD83 LAT. = 39.522937
NAD 83 LONG. = -80.440416

- 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 5' Contour
 - As-Built Straw Wattle
 - Limits of Disturbance (As-Built)
 - As-Built Ditch Line
 - Surface Boundary Line



DATE	REVISIONS

Date: 9/5/2024
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Page: 3 of 10

CARNEGIE WELL PAD AS BUILT SITE PLAN

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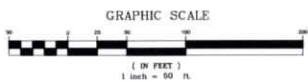
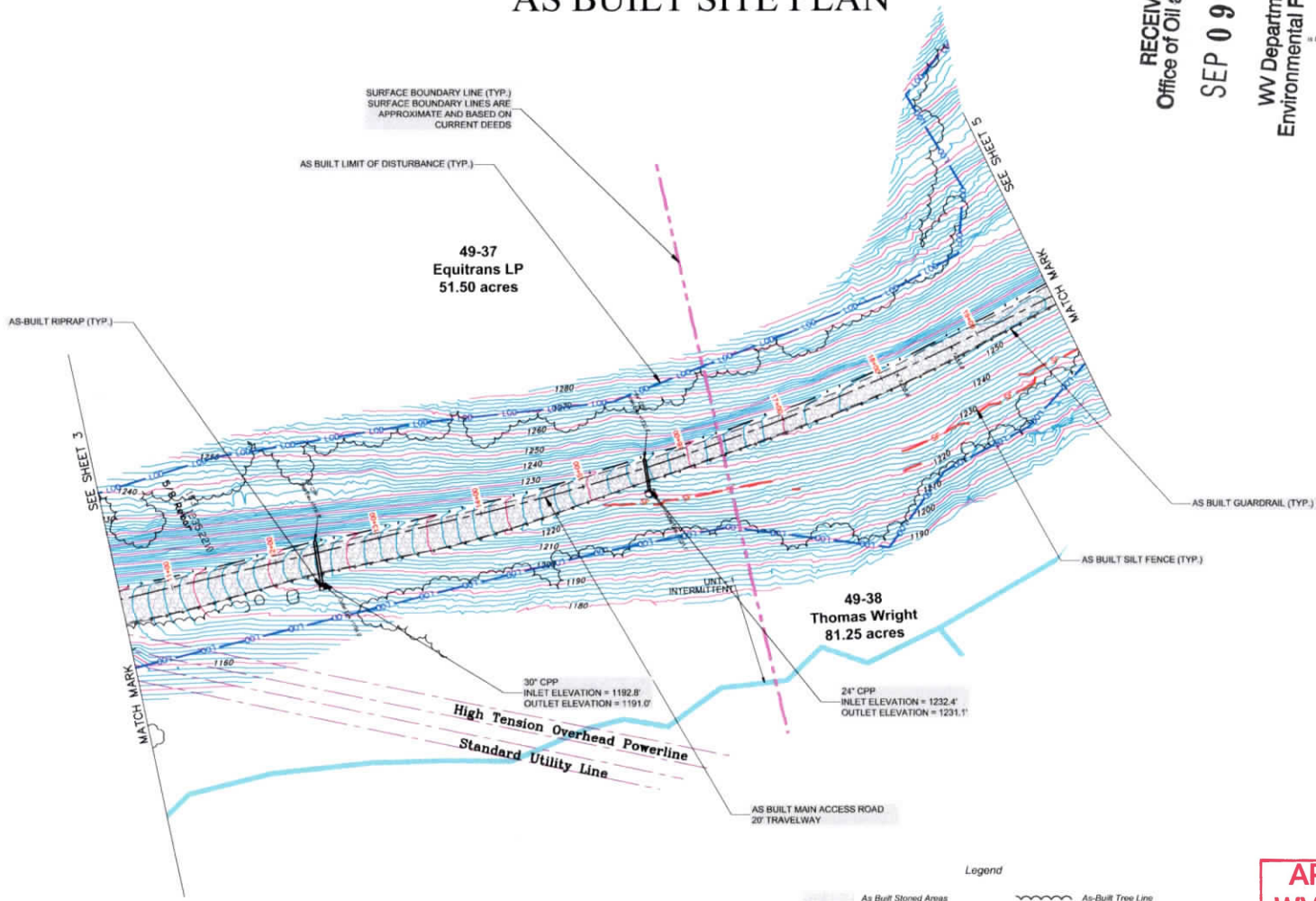


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1962
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140 State Street, Suite 1000
Martinsburg, West Virginia, 26101 (304) 631-4444



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



- 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
 - 5W As Built Straw Wattle
 - 1000 Limits of Disturbance (As-Built)
 - As Built Ditch Line
 - Surface Boundary Line

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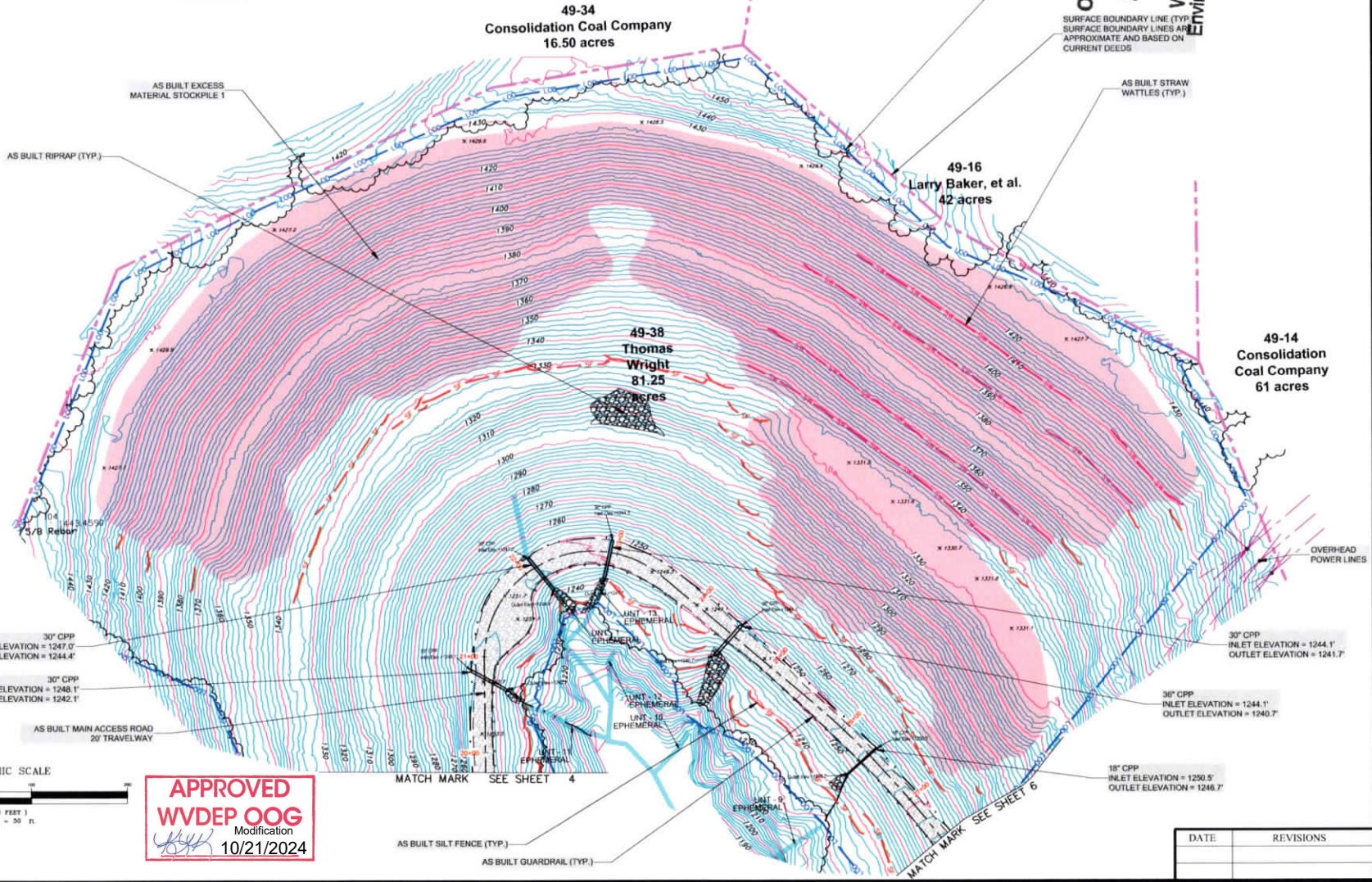
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Scale: 1"=50'
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Page 4 of 10

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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Overlays, Map System, 3036 (301) 534-8443



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

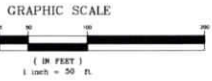
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CARNEGIE WELL PAD AS BUILT SITE PLAN

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



Hornor
Since 1962
Brooks, Engineers
Civil, Mining, Environmental and
Soils Engineering
1400 South 2nd Street, 4th Floor, Suite 404
Martinsburg, West Virginia, 26101-15-1445



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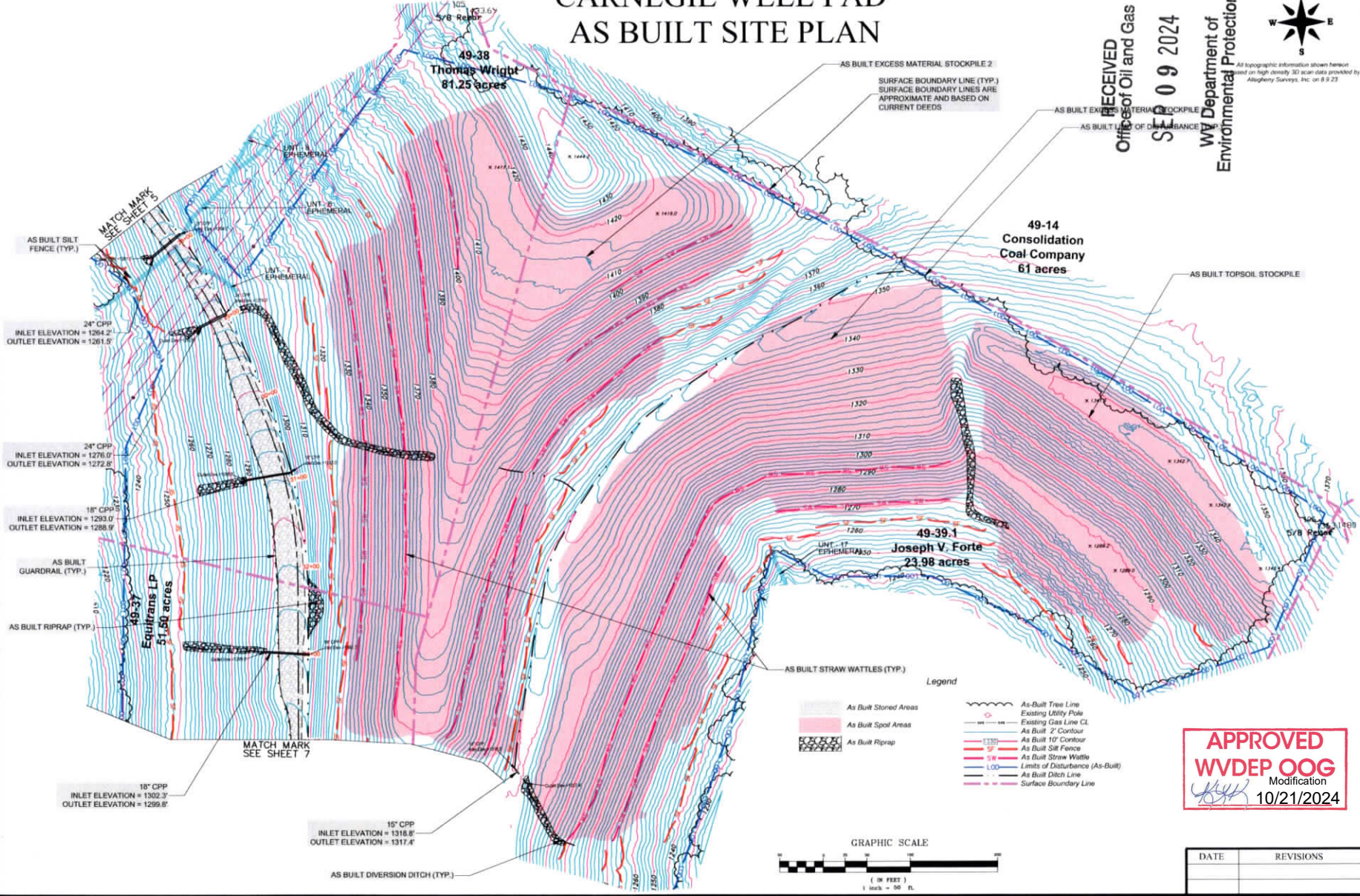
AS BUILT SITE PLAN
CARNEGIE
MODIFIED WELL PAD SITE
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024

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1400 State Street, 2020 (SH) 61-4441
Martinsburg, West Virginia, 26001



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

Date: 9/5/2024

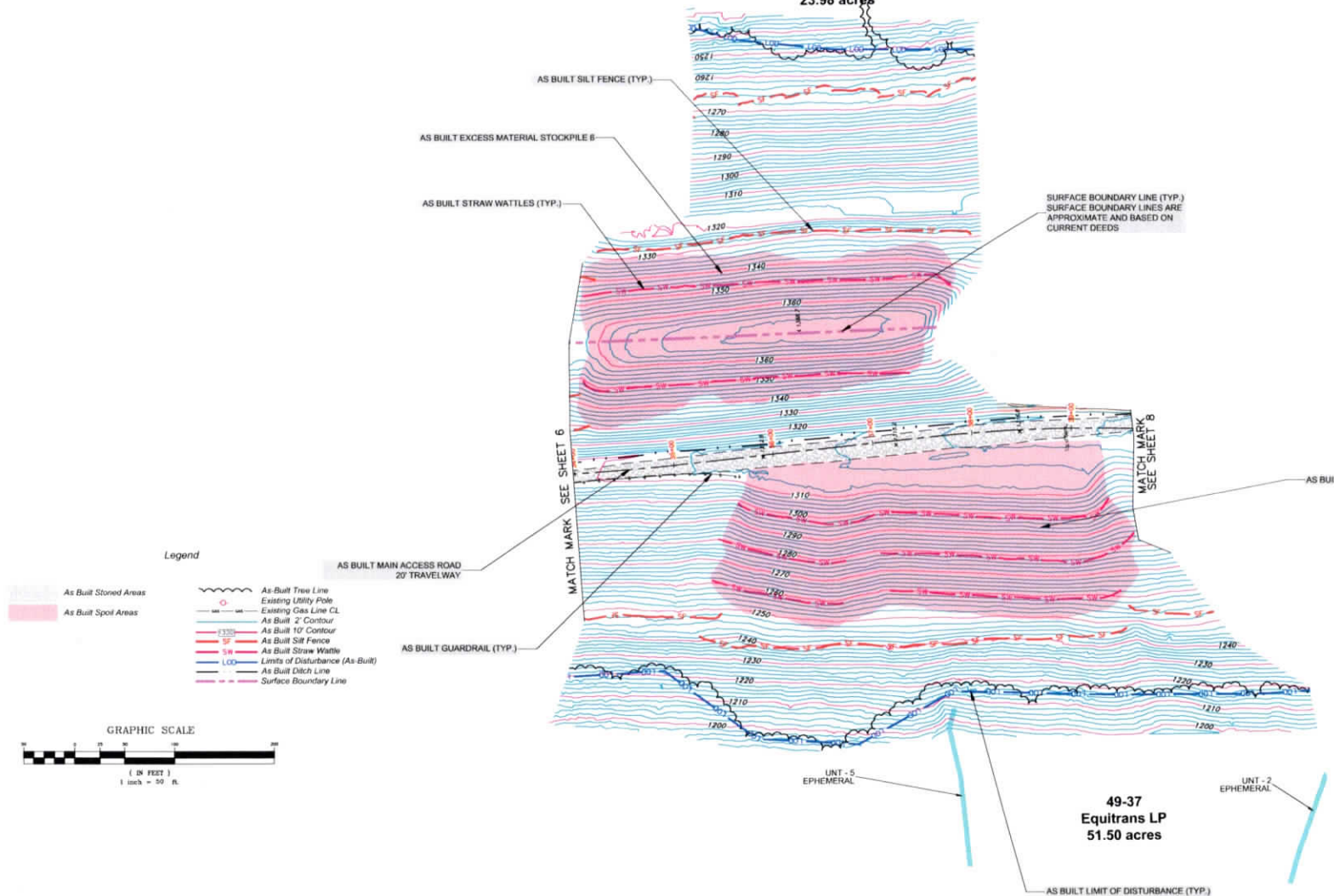
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[Signature]
10/21/2024

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File No: enw-2024-0000000000
Page: 7 of 10

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

GRAPHIC SCALE



DATE PLOTTED: 9/10/2024 10:58:11 AM

CARNEGIE WELL PAD WELL PAD AST MODIFICATION PLAN

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



Joseph V. Forte
Professional Engineer
No. 1962
Civil, Mining, Environmental and
Surveying
1000 1/2 Main Street, Suite 100
Martinsburg, West Virginia, 26001 (304) 634-4443



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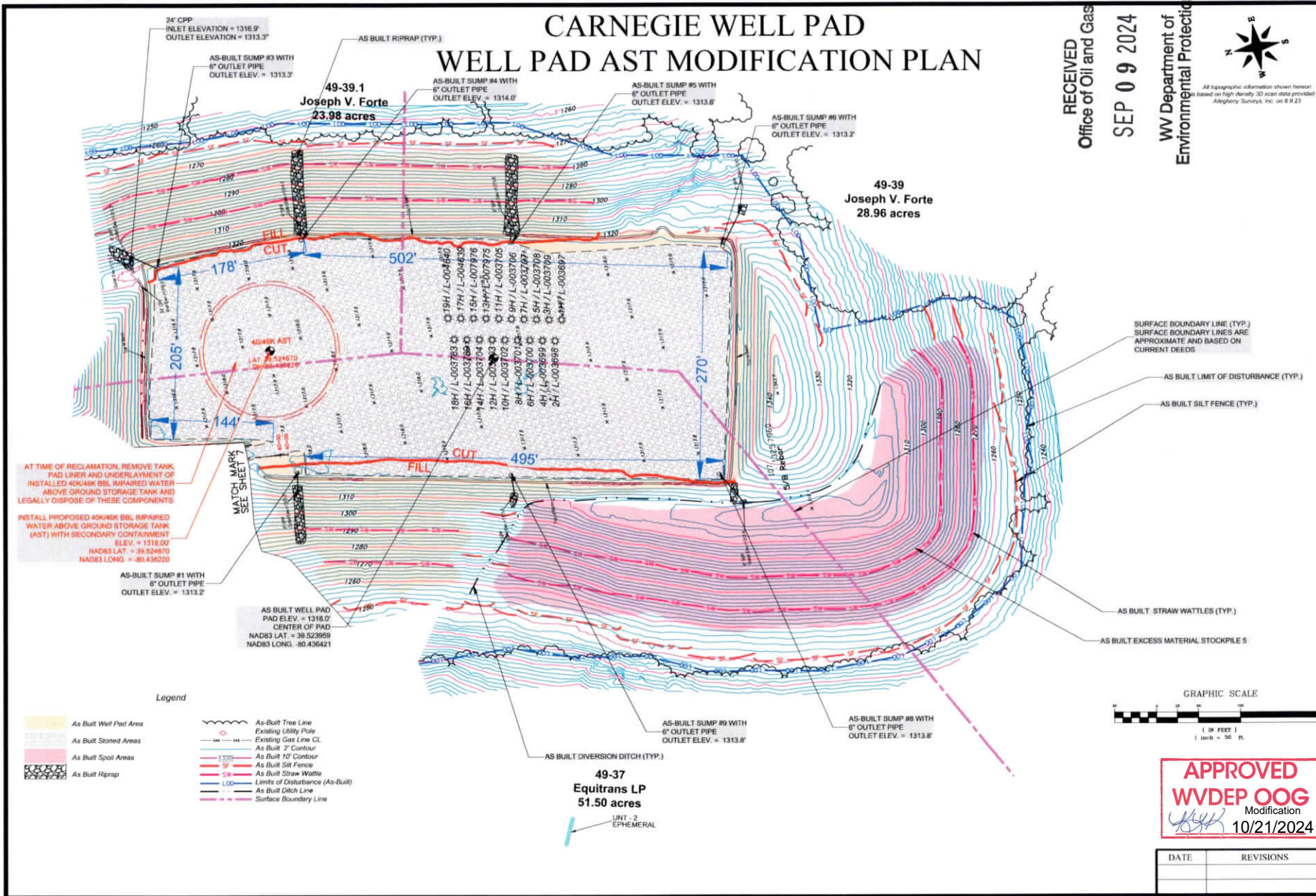
WELL PAD AST MODIFICATION PLAN
CARNEGIE
MODIFIED WELL PAD SITE
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024
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Modification
10/21/2024

DATE	REVISIONS

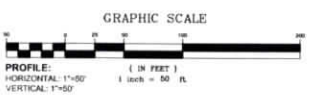
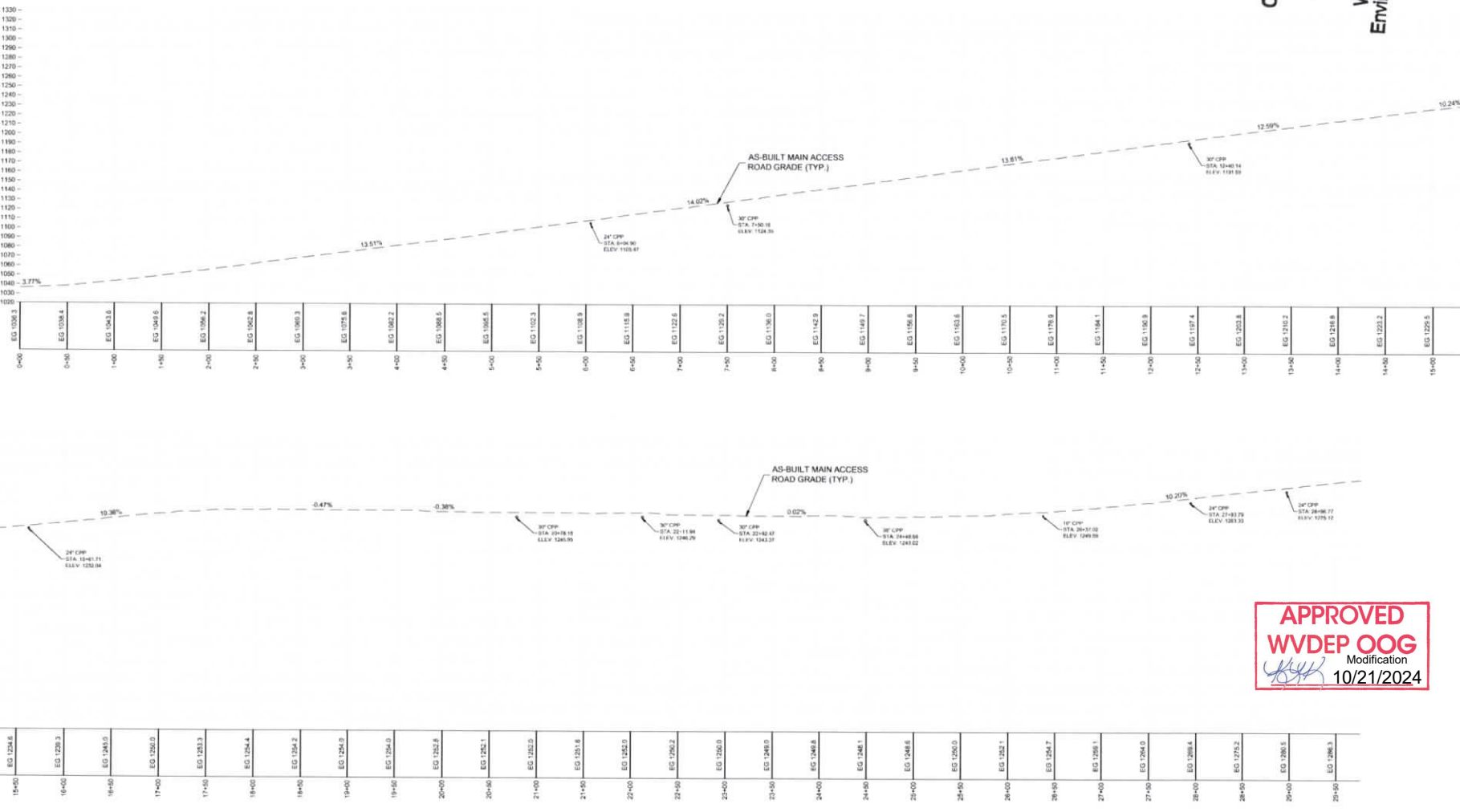
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Page 4 of 10



DATE PLOTTED: 09/05/2024 10:00 AM. PLOT SCALE: 1"=50'. PLOT AREA: 43.1 INCHES BY 58.0 INCHES.

CARNEGIE MODIFIED WELL PAD AS BUILT MAIN ACCESS ROAD PROFILE

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Modification
10/21/2024**

DATE	REVISIONS



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



Hornor Bros. Engineers
Since 1926
Civil, Environmental and
Construction Engineers
142 South 10th Street, P.O. Box 1004
Martinsburg, WV 26150
304-293-1234

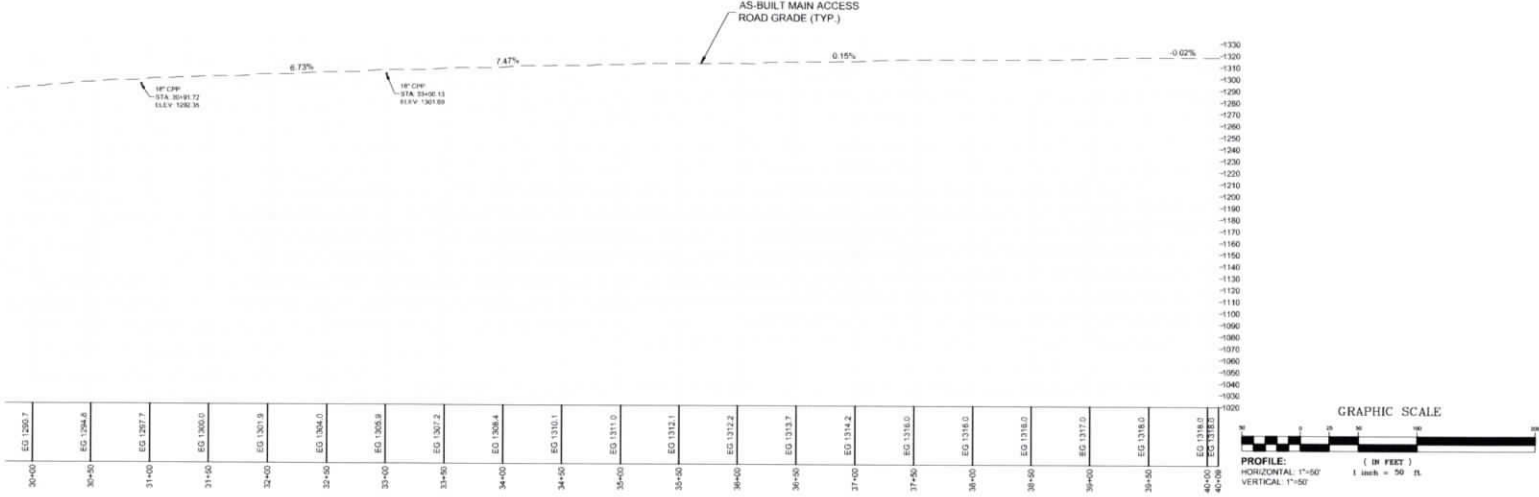


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AS BUILT MAIN ACCESS ROAD PROFILE
**CARNEGIE
MODIFIED WELL PAD SITE**
MANNINGTON DISTRICT
MARION COUNTY, WV

Date: 9/5/2024
Scale: 1" = 50'
Designed by: JMK
File No.: 24-0000000000
Page: 8 of 10

CARNEGIE MODIFIED WELL PAD AS BUILT MAIN ACCESS ROAD PROFILE



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Horner
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 Civil
 145 South 10th Street, P.O. Box 100
 Okemune, West Virginia, 26041-0100



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

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 Modification
[Signature]
10/21/2024

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

DATE	REVISIONS