



Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit gives approval for the development/ project listed that impacts the FEMA-designated floodplain and/or floodway of Doddridge County, WV, pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance. This permit must be posted at the site of work as to be clearly visible and must remain posted during entirety of development.

Permit: #19-549

Date Approved: May 27, 2019

Expires: May 27, 2020

Issued to: MarkWest Liberty Midstream, LLC

POC: Richard Lowry

Company Address: 320 South View Drive, Suite 200 Bridgeport, WV 26330

Project Address:

Firm: 54017C0145C/54017C0045C

**Lat/Long: 39.278330N, -80.684775W
39.399648N, -80.647173W**

Purpose of Development: Renewal of Permit #18-505/Sherwood to Mobley Pipeline Project

Issued by: George C. Eidel, CFM, OEM Director/Doddridge County FPM (or designee)

Date: May 27, 2019

For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.2631, or via email at
doddridgecountyfpm@gmail.com
118 East Court Street; West Union, WV 26456

149945

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

333 BALDWIN ROAD
PITTSBURGH, PA 15205
(412) 429-2324PNC BANK, N.A.
Pittsburgh, PA

8-9/430

CHECK DATE 4/25/2019

PAY Five Hundred and 00/100 Dollars

TO Doddridge County Commission

AMOUNT 500.00

AUTHORIZED SIGNATURE

⑈ 149945⑈ ⑆043000096⑆ 0002272405⑈

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

149945

Check Date: 4/25/2019

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
04252019	4/25/2019	000000334973	500.00			500.00
Doddridge County Commission			TOTAL			500.00
- Operating Account	52	11261				

FP # 19-549

FLOODPLAIN PERMIT #19-549

Mark West Energy Renewal of #18-505, Sherwood to Mobley NGL Pipeline

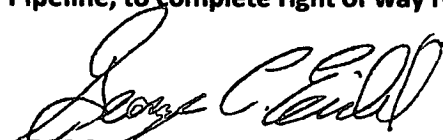
TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>	4/30/2019	
<i>US ARMY CORP. ENGINEERS (USACE)</i>		
<i>US FISH & WILDLIFE SERVICES (USFWS)</i>		
<i>WV DEPT. NATURAL RESOURCES (WVDNR)</i>		
<i>WV DEPT. ENVIROMENTAL PROTECTION (WVDEP)</i>		
<i>STATE HISTORIC & PRESERVATION OFFICE (SHPO)</i>		
<i>OFFICE of LAND & STREAM (OLS)</i>		
<i>DATE OF COMMISSION READING</i>	5/7/2019	
<i>DATE AVAILABLE TO BE GRANTED</i>	5/27/2019	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		



Doddridge County Floodplain Permits

(Week of May 6, 2019)

Please take notice that on the (30th) of (April), 2020, (Mark West Energy) filed an application for a Floodplain Permit (#19-549) to develop land located at or about (Buckeye Creek/McElroy Creek); Coordinates: 39.278330N, -80.684775W/ 39.399648N, -80.647173W. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 29B Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (May 27, 2019) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is a renewal of permit #18-505 Sherwood to Mobley NGL Pipeline, to complete right of way repairs and maintenance.


GEORGE C. EIDEL, CFM

Doddridge County Floodplain Manager



April 25, 2019

Mr. George Eidel
Doddridge County Floodplain Manager
108 Court Street, Suite 1
West Union, WV 26456

Dear Mr. Eidel:

Subject: Commercial/Industrial Floodplain Development Permit
Proposed Sherwood to Mobley NGL Pipeline, Doddridge County, West Virginia
CEC Project 171-778

On behalf of MarkWest Liberty Midstream & Resources, LLC, Civil & Environmental Consultants, Inc. (CEC) is submitting this request to extend the Commercial/Industrial Floodplain Development Permit (#18-505) associated with the Sherwood to Mobley NGL Pipeline located in Doddridge and Wetzel Counties, West Virginia. The pipeline serves as a connection from MarkWest's Sherwood Gas Plant to a meter site south of MarkWest's Mobley Gas Plant. The pipeline has been installed, but Right-of-Way repair and maintenance is currently ongoing. The current permit expires on April 25, 2019. CEC understands that this enclosed Floodplain Permit Application and Application Fee are required to extend the permit for one (1) additional year upon approval. On behalf of MarkWest, CEC is submitting the following enclosed information for the Doddridge County Floodplain Development Permit Application:

- The permit fee in the amount of \$500.00 (Check No. 149945); and
- The Doddridge County Floodplain Development Permit Application.

The Sherwood to Mobley NGL Pipeline project is located within the Middle Ohio North Watershed, a tributary of the Ohio River. The pipeline and associated access roads will enter and/or cross the following FEMA Special Flood Hazard Areas:

1. Zone AE of Buckeye Creek located on FEMA FIRM panel number 54017C0145C.
2. Zone AE of McElroy Creek located on FEMA FIRM panel number 54017C0045C.

No impacts to the base flood elevations in either of the locations are anticipated because the access roads follow approximate existing grade and the stream equipment crossings are to be achieved with temporary timber mat bridges.

Please contact us at 412-429-2324 if you have any questions.

Very truly yours,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Brian R. Tomiczek, E.I.T.
Staff Consultant

Richard P. Celender, RLA, C.E.T., CPESC, CPSWQ
Vice President

Enclosure

171-778-L-Floodplain Permit-4.25.19.P



Permit# 18-505

19-549

Sherwood to Mobley

Project Name: NGL Pipeline

Permittees Name: MarkWest

APR 25 19 4:50 PM

Doddridge County, WV

Floodplain Development Permit Application

This document is to be used for projects that impact/potentially impact the FEMA—designated floodplain and/or floodway of Doddridge County, WV pursuant to the rules and regulations established by all applicable Federal, State and local laws and ordinances, including the Doddridge County Floodplain Ordinance.

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. I THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.

APPLICANT'S SIGNATURE _____

DATE _____

4-25-19

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Applicant Information:

Please provide all pertinent data.

Applicant Information		
Responsible Company Name: MarkWest Liberty Midstream & Resources, LLC		
Corporate Mailing Address: 4600 J. Barry Ct., Suite 500		
City: Canonsburg	State: PA	Zip: 15317
Corporate Point of Contact (POC): Richard Lowry		
Corporate POC Title: Environmental Manager – New Construction		
Corporate POC Primary Phone: (724) 416-0520		
Corporate POC Primary Email: Richard.lowry@markwest.com		
Corporate FEIN: 30-0528059	Corporate DUNS:	
Corporate Website:		
Local Mailing Address: 320 South View Drive, Suite 200		
City: Bridgeport	State: WV	Zip: 26330
Local Project Manager (PM): Dustin Vincent		
Local PM Primary Phone: (304) 842-2034		
Local PM Secondary Phone: (304) 638-8134		
Local PM Primary Email: Dustin.vincent@markwest.com		
Person Filing Application: Richard Lowry		
Applicant Title: Environmental Manager – New Construction		
Applicant Primary Phone: (724) 416-0520		
Applicant Secondary Phone: (412) 925-8165		
Applicant Primary Email: Richard.lowry@markwest.com		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Proposed Development:

Please check all elements of the proposed project that apply.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

<u>ACTIVITY</u>		<u>STRUCTURAL TYPE</u>	
<input type="checkbox"/>	New Structure	<input type="checkbox"/>	Residential (1 – 4 Family)
<input type="checkbox"/>	Addition	<input type="checkbox"/>	Residential (more than 4 Family)
<input type="checkbox"/>	Alteration	<input type="checkbox"/>	Non-residential (floodproofing)
<input type="checkbox"/>	Relocation	<input type="checkbox"/>	Combined Use (res. & com.)
<input type="checkbox"/>	Demolition	<input type="checkbox"/>	Replacement
<input type="checkbox"/>	Manufactured/Mobil Home		

B. OTHER DEVELOPMENT ACTIVITIES:

- | | | | |
|-------------------------------|---------------------------------|-----------------------------------|-------------------------------------|
| <input type="checkbox"/> Fill | <input type="checkbox"/> Mining | <input type="checkbox"/> Drilling | <input type="checkbox"/> Pipelining |
|-------------------------------|---------------------------------|-----------------------------------|-------------------------------------|
- ☒ Grading
- ☒ Excavation (except for STRUCTURAL DEVELOPMENT checked above)
- ☐ Watercourse Alteration (including dredging and channel modification)
- ☐ Drainage Improvements (including culvert work)
- ☐ Road, Street, or Bridge Construction
- ☐ Subdivision (including new expansion)
- ☐ Individual Water or Sewer System
- ☐ Other (please specify)

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 1 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: 218 Swisher Lane		
Decimal Latitude/Longitude: N 39.278647°, E -80.684569°		
DMS Latitude/Longitude: 39° 16' 43.13" N, -80° 41' 04.45" E		
District: Grant	Map: 19	Parcel: 32
Land Book Description:		
Deed Book Reference: DBV 380, PG 69		
Tax Map Reference: Tax Map 19		
Existing Buildings/Use of Property: Existing Gas Plant, Existing Stream – Buckeye Creek,		
Existing Right-of-Way, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
Yes No		Yes No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 1 of 24

Property Owner Data:		
Name of Primary Owner (PO): Sherwood Midstream Holdings LLC		
PO Address: 539 South Main Street		
City: Findlay	State: OH	Zip: 45840
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Sherwood Midstream Holdings LLC		
PO Address: 539 South Main Street		
City: Findlay	State: OH	Zip: 45840
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



FEMA ZONE AE FLOODPLAIN
(FIRM PANEL # 54017C0145C)

CROSSING #58
BUCKEYE CREEK (PER)

GAS

GAS

GAS

GAS

GAS

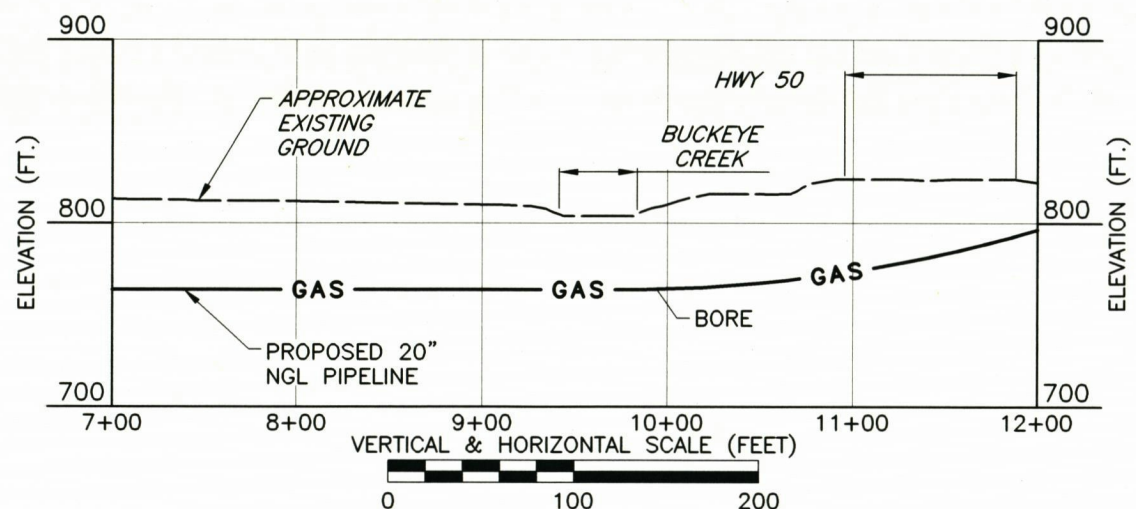
GAS

STATE HWY 50

EXISTING GRAVEL ROAD

EXISTING GRAVEL ROAD

PLAN VIEW
SCALE IN FEET



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES. *HAND SIGNATURE ON FILE



Civil & Environmental Consultants, Inc.
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA
CROSSING #58
BUCKEYE CREEK (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3PP
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 2 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Rd 20/6		
Decimal Latitude/Longitude: N 39.288243°, E -80.684990°		
DMS Latitude/Longitude: 39° 17' 17.68" N, -80° 41' 05.96" E		
District: Grant	Map: 16	Parcel: 15.2.3001
Land Book Description:		
Deed Book Reference: DBV 283, PG 319		
Tax Map Reference: Tax Map 16		
Existing Buildings/Use of Property: Existing Stream – UNT-4, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

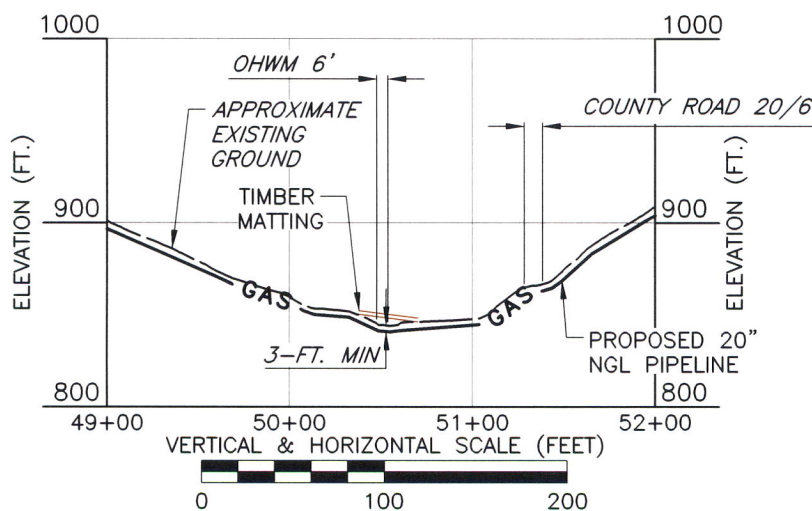
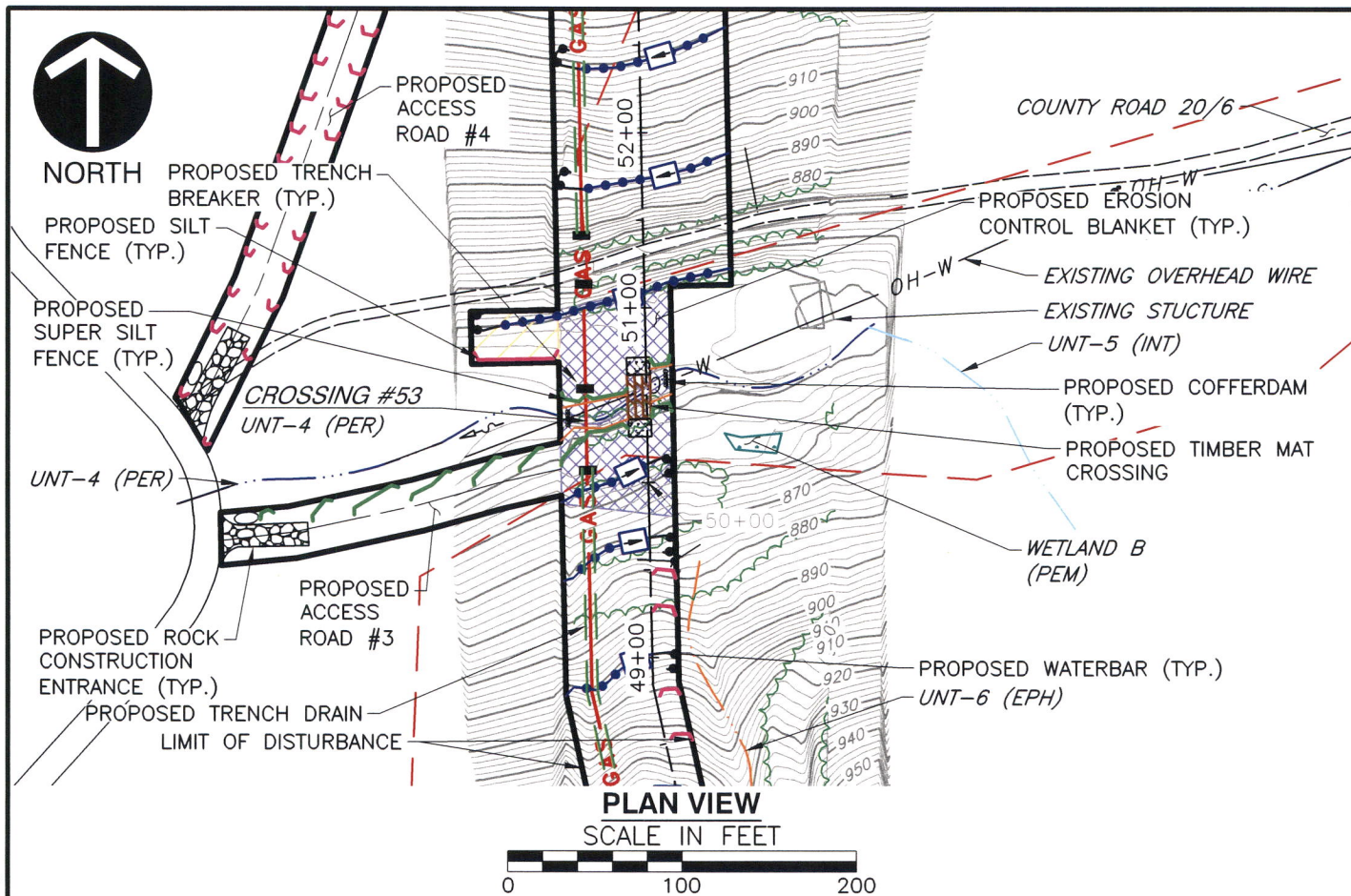
Property Designation: <u> 2 </u> of <u> 24 </u>

Property Owner Data:		
Name of Primary Owner (PO): Bland James A & Angela J		
PO Address: 4016 WV Rt 18 S		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Bland James A & Angela J		
PO Address: 4016 WV Rt 18 S		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\171-778-CADD\Drawings\171778-EC01-FIG-3-07.dwg(53) LS:(2/28/2018 - btomiczek) - LP: 2/28/2018 1:30 PM



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



Civil & Environmental Consultants, Inc.

600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
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www.cecinc.com

**MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC**
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #53
UNT-4 (PER)

DRAWN BY: LKC	CHECKED BY: ARG	APPROVED BY: *JK	FIGURE NO.:
DATE: NOVEMBER 2017	DWG SCALE: AS SHOWN	PROJECT NO: 171-778-0003	

3NN

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 3 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 20		
Decimal Latitude/Longitude: N 39.293963°, E -80.679221°		
DMS Latitude/Longitude: 39° 17' 38.27" N, -80° 40' 45.20" E		
District: Grant	Map: 16	Parcel: 19
Land Book Description:		
Deed Book Reference: DBV 237, PG 504		
Tax Map Reference: Tax Map 16		
Existing Buildings/Use of Property: Existing Stream – UNT-3, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
Yes No		Yes No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

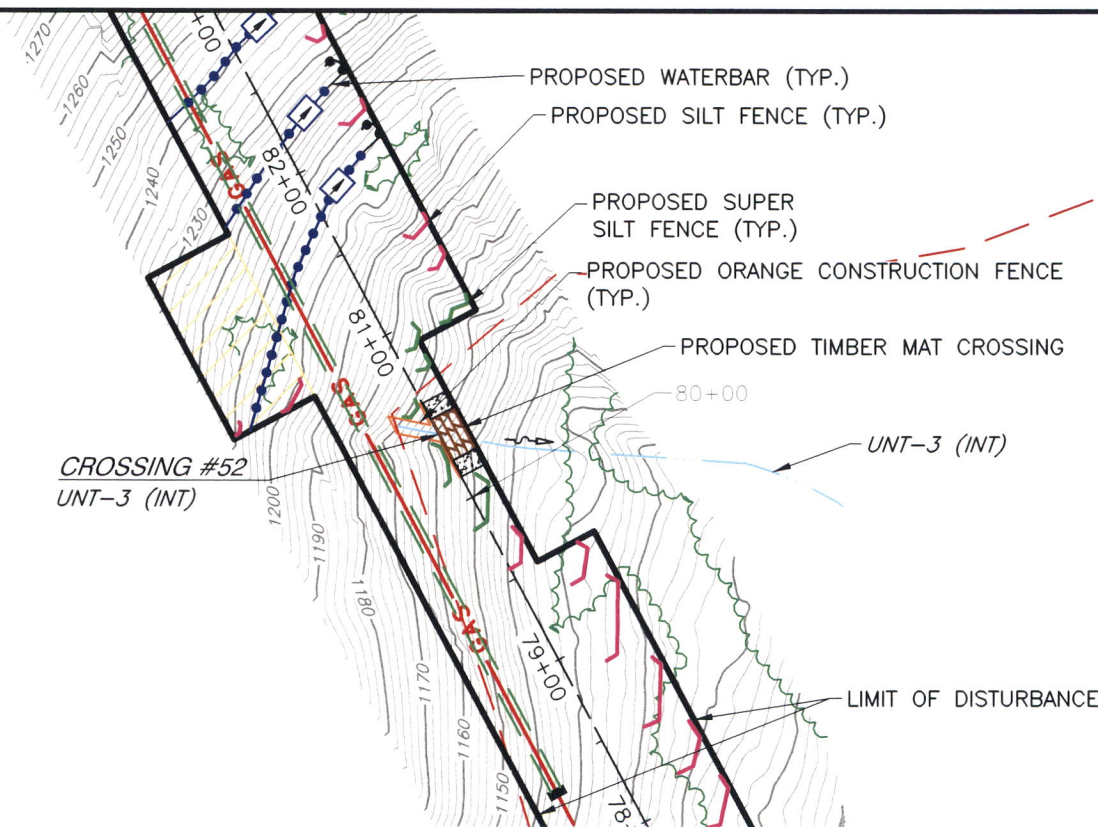
Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 3 of 24

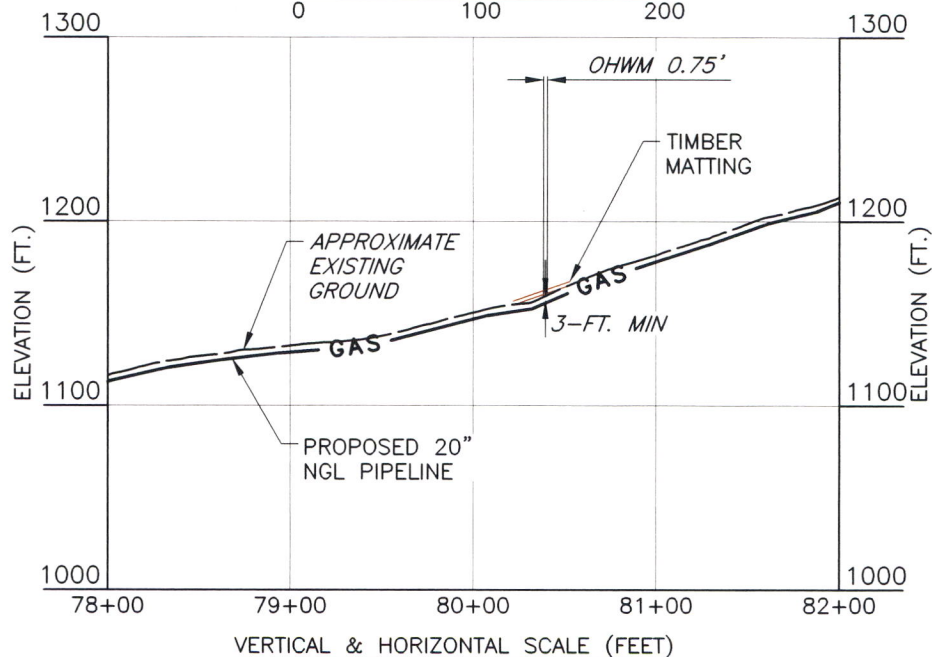
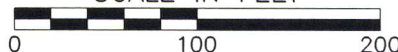
Property Owner Data:		
Name of Primary Owner (PO): Jett Gloria J		
PO Address: 189 Ranch Rd		
City: Fairmont	State: WV	Zip: 26554
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Jett Gloria J		
PO Address: 189 Ranch Rd		
City: Fairmont	State: WV	Zip: 26554
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



PLAN VIEW
SCALE IN FEET



VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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**MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA**

**CROSSING #52
UNT-3 (INT)**

DRAWN BY: LKC	CHECKED BY: ARG	APPROVED BY: *JK	FIGURE NO.:
DATE: NOVEMBER 2017	DWG SCALE: AS SHOWN	PROJECT NO: 171-778-0003	3MM

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 4 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: Dogwood Lane		
Decimal Latitude/Longitude: N 39.300770°, E -80.676351°		
DMS Latitude/Longitude: 39° 18' 02.77" N, -80° 40' 34.86" E		
District: Grant	Map: 16	Parcel: 13
Land Book Description:		
Deed Book Reference: DBV WB19, PG 455		
Tax Map Reference: Tax Map 16		
Existing Buildings/Use of Property: Existing Stream – Righthand Fork of Morgans Run,		
Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 4 of 24

Property Owner Data:		
Name of Primary Owner (PO): Holden William D ETAL		
PO Address: 4141 Long Run Rd		
City: Pennsboro	State: WV	Zip: 26415
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Holden William D ETAL		
PO Address: 4141 Long Run Rd		
City: Pennsboro	State: WV	Zip: 26415
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



PROPOSED EROSION
CONTROL BLANKET
(TYP.)
PROPOSED TRENCH
BREAKER (TYP.)

*CROSSING #51
RIGHTHAND FORK OF
MORGANS RUN (PER)*

EXISTING GAS LINE

LIMIT OF DISTURBANCE

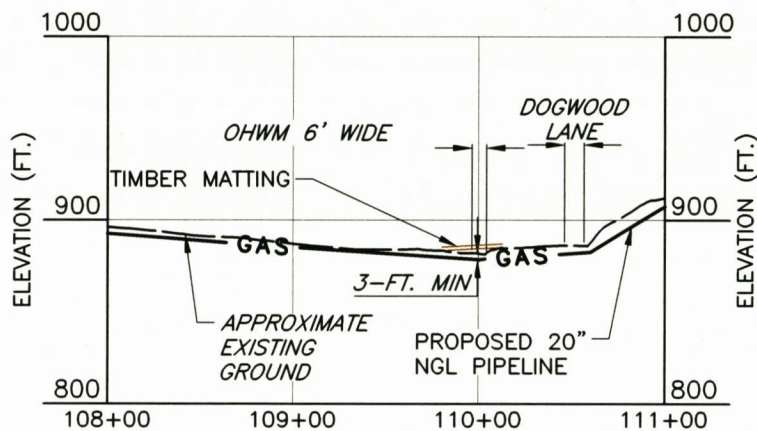
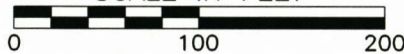
DOGWOOD
LANE

PROPOSED WATERBAR (TYP.)
PROPOSED SILT
FENCE (TYP.)
PROPOSED ROCK
CONSTRUCTION
ENTRANCE (TYP.)

PROPOSED
TIMBER MAT
CROSSING
PROPOSED
COFFERDAM (TYP.)
PROPOSED
SUPER SILT
FENCE (TYP.)

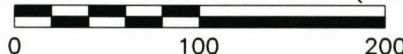
PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



Civil & Environmental Consultants, Inc.

600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

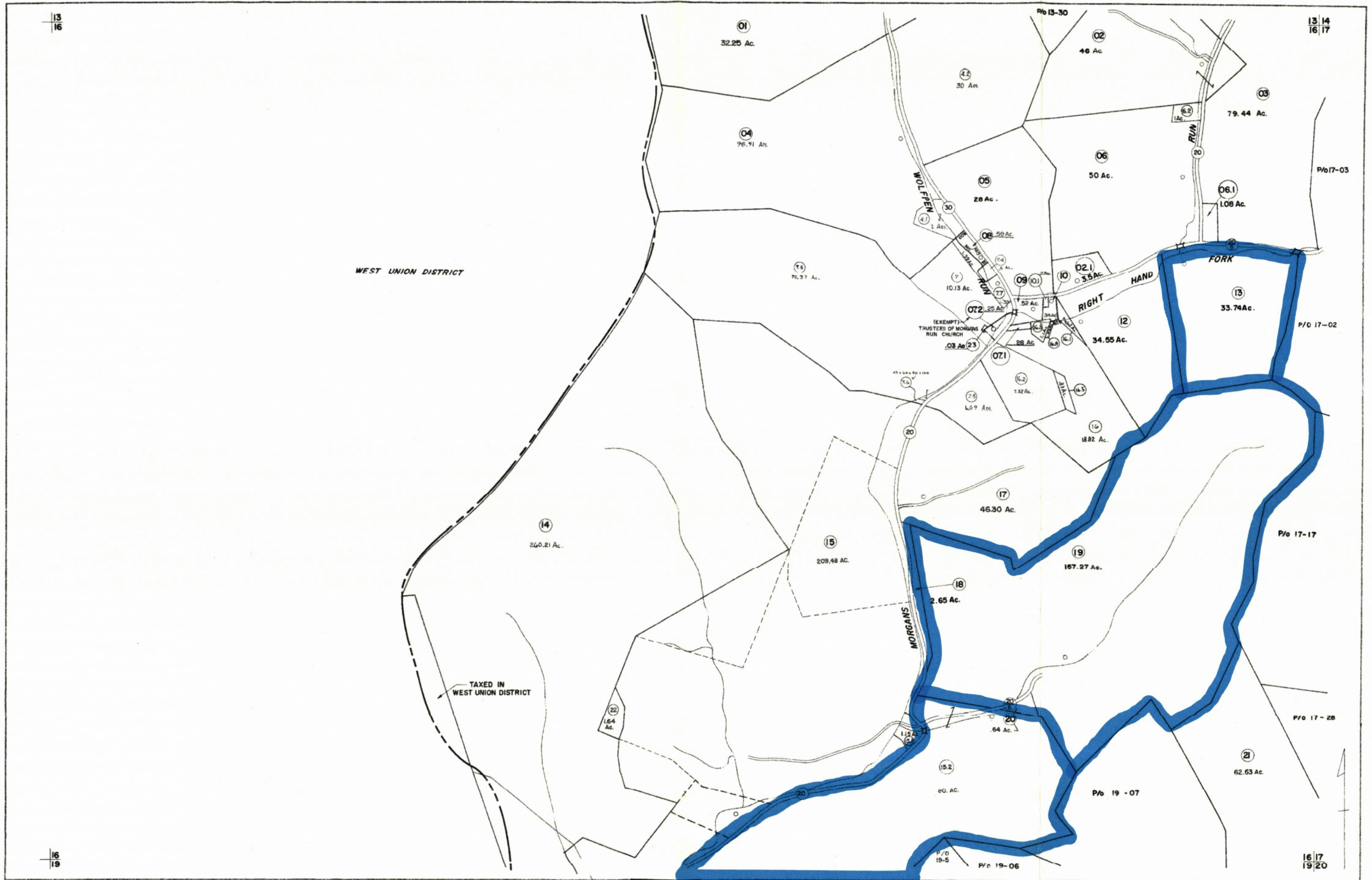
MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #51
RIGHTHAND FORK OF MORGANS RUN (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003

FIGURE NO.:

3LL



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
Consulting Engineer
Ebensburg, Pennsylvania

Legend

Property line	Original lot line
Edge of pavement or roadway	Deed lot number
Corporation line	Parcel or index number in deed
District line	Improvement
County line	Railroad

Revisions

1	REVISED 3/23/64	2	Revised 7/1/68	17	ESI	3/29/69	REK
3	REVISED 8/1/64	18	OGIS 1-16-91	18	ESI	3/7/92	REK
4	1-20-72	19	OGIS 10-24-91	19			
5	12-21-76	20	OGIS 11-93	20			
6	REV 7-BI DR 8-82	21	O.S.I.S 1-23-96	21			
7	July 1975	22	OGIS 12-96	22			
		23	S.I.S. INC. 2/16/99	23			

STATE OF WEST VIRGINIA
DODDRIDGE COUNTY

Office of Assessor

GRANT DISTRICT
SHEET 16

Date, Aerial Photography: APRIL, 1962 Date, Map: OCT, 1963

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 5 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: Morgans Run Road		
Decimal Latitude/Longitude: N 39.309142°, E -80.673082°		
DMS Latitude/Longitude: 39° 18' 32.91" N, -80° 40' 23.10" E		
District: Grant	Map: 14	Parcel: 33-0001
Land Book Description:		
Deed Book Reference: DBV 246, PG 708		
Tax Map Reference: Tax Map 14		
Existing Buildings/Use of Property: Existing Stream – UNT-160, and Morgans Run , Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 5 of 24

Property Owner Data:		
Name of Primary Owner (PO): Swentzel Neil D & Saren		
PO Address: 196 Retriever Run Rd		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Swentzel Neil D & Saren		
PO Address: 196 Retriever Run Rd		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



NORTH

PROPOSED WATERBAR (TYP.)

PROPOSED EROSION CONTROL
BLANKET (TYP.)

LEFT HAND FORK OF
MORGANS RUN ROAD

CROSSING #49

MORGANS RUN (PER)

CROSSING #55

MORGANS RUN (PER)

PROPOSED CULVERT
CROSSING
(3) 42" HDPE PIPES

UNT-170 (EPH)

PROPOSED TRENCH BREAKER (TYP.)

PROPOSED COFFERDAM (TYP.)

PROPOSED TIMBER MAT CROSSING

PROPOSED SUPER
SILT FENCE (TYP.)

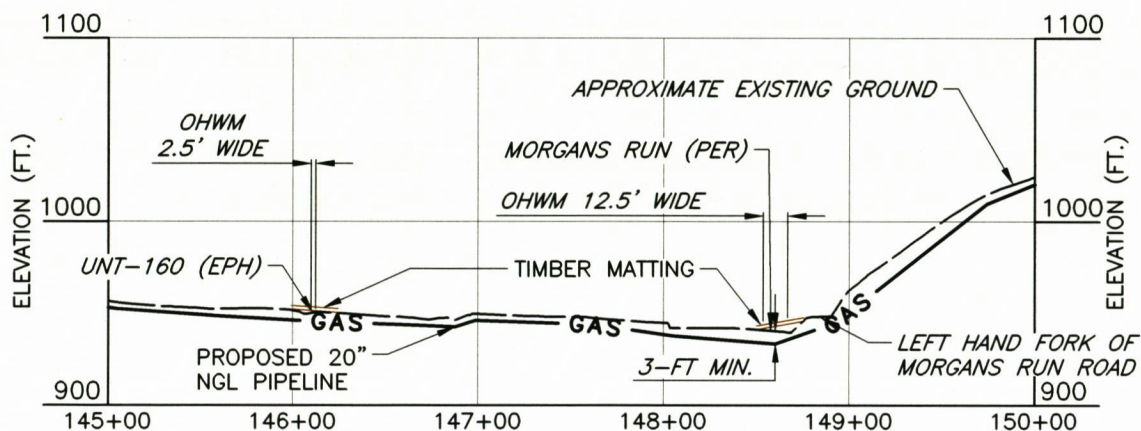
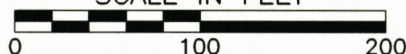
UNT-171 (EPH)

LIMIT OF DISTURBANCE

CROSSING #50
UNT-160 (EPH)

PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



Civil & Environmental Consultants, Inc.

600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330

Ph: 304.933.3119 · Fax: 304.933.3327

www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #49-50 & 55
MORGANS RUN (PER) & UNT-160 (EPH)

DRAWN BY:

LKC

CHECKED BY:

ARG

APPROVED BY:

*JK

FIGURE NO.:

DATE:

NOVEMBER 2017

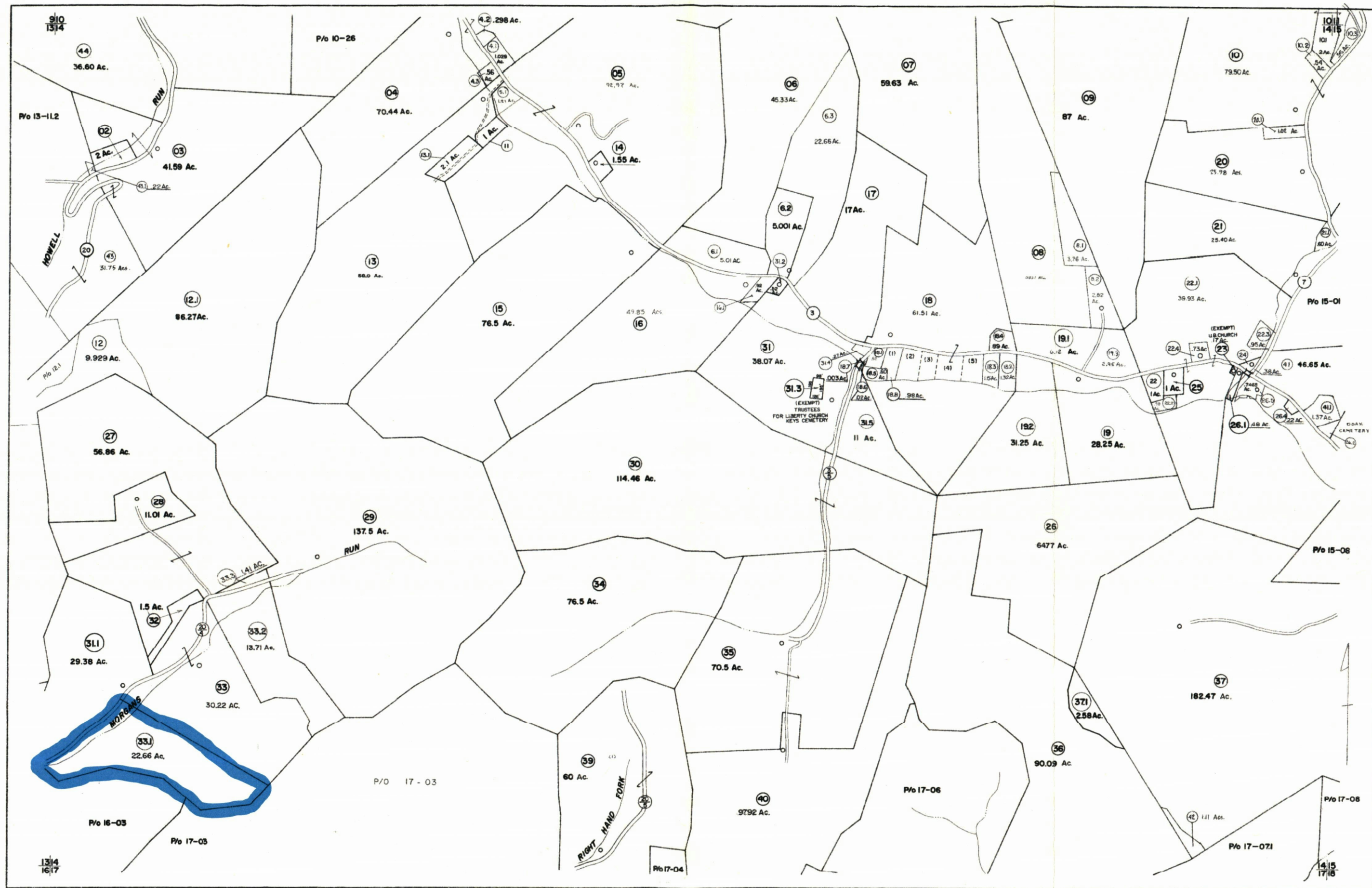
DWG SCALE:

AS SHOWN

PROJECT NO:

171-778-0003

3J



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
Consulting Engineer
Ebensburg, Pennsylvania

Legend

Property line	Original lot line
Edge of pavement or roadway	Deed lot number in symbol
Corporation line	Parcel or index number in map
District line	Improvement
County line	Railroad

Revisions

1 REVISED 3/23/84	2 July 1985	3 SLS INC. 12/29/97 DSW
4 1-20-72 T.M.	5 July 1986	6 SLS INC. 2/16/98 DSW
7 11/2/87 T.M.	8 July 1987	9 SLS INC. 3/08/00 JAW
10 3-28-80	11 Revised to 7-1-80	12 ESI 3/29/01 REK
13 Revised to 7-80	14 Revised to 7-1-87	15 ESI 3/7/02 REK
16 REVISED 7-8 T. Gross	17 OGIS 1-14-91 JB	18 5/3/03 HBS
19 To JULY 1982 C.P.	20 OGIS 2-95 HD	21 2/29/04 S&H

4/6/07 S&H STATE OF WEST VIRGINIA
DODDRIDGE COUNTY
Office of Assessor

GRANT DISTRICT SHEET 14

Date, Aerial Photography: APRIL, 1982 Date, Map: OCT, 1983

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 6 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 3		
Decimal Latitude/Longitude: N 39.334756°, E -80.665180°		
DMS Latitude/Longitude: 39° 20' 05.09" N, -80° 39' 54.65" E		
District: Grant	Map: 10	Parcel: 20
Land Book Description:		
Deed Book Reference: DBV WB95, PG 409		
Tax Map Reference: Tax Map 10		
Existing Buildings/Use of Property: Existing Stream – Flint Run, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
Yes No		Yes No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 6 of 24

Property Owner Data:

Name of Primary Owner (PO): Heflin Julie M & Michael Z Hill

PO Address: 607 Holly Dr

City: Summersville

State: WV

Zip: 26651

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:

Surface Rights Owner Data:

Name of Primary Owner (PO): Heflin Julie M & Michael Z Hill

PO Address: 607 Holly Dr

City: Summersville

State: WV

Zip: 26651

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:

Mineral Rights Owner Data: (As Applicable)

Name of Primary Owner (PO): N/A

PO Address:

City:

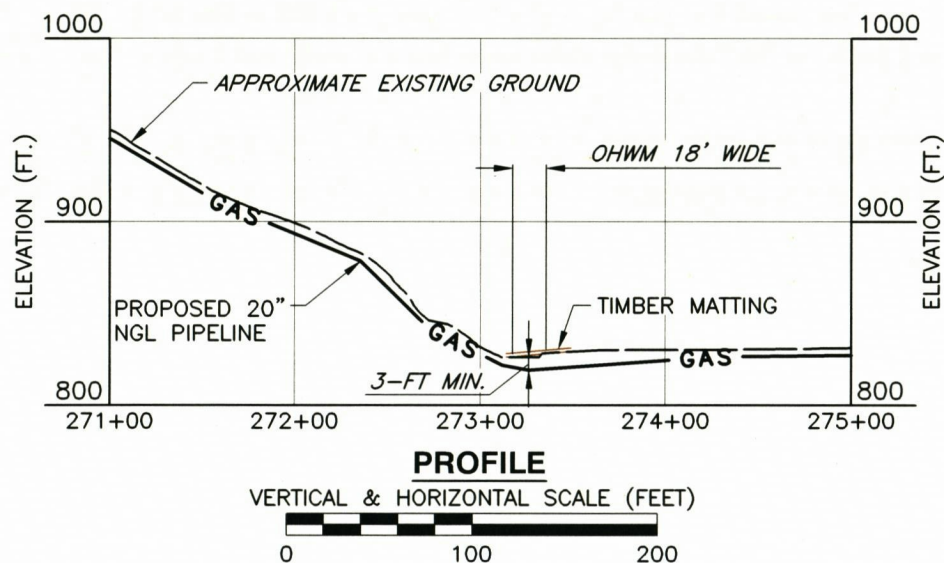
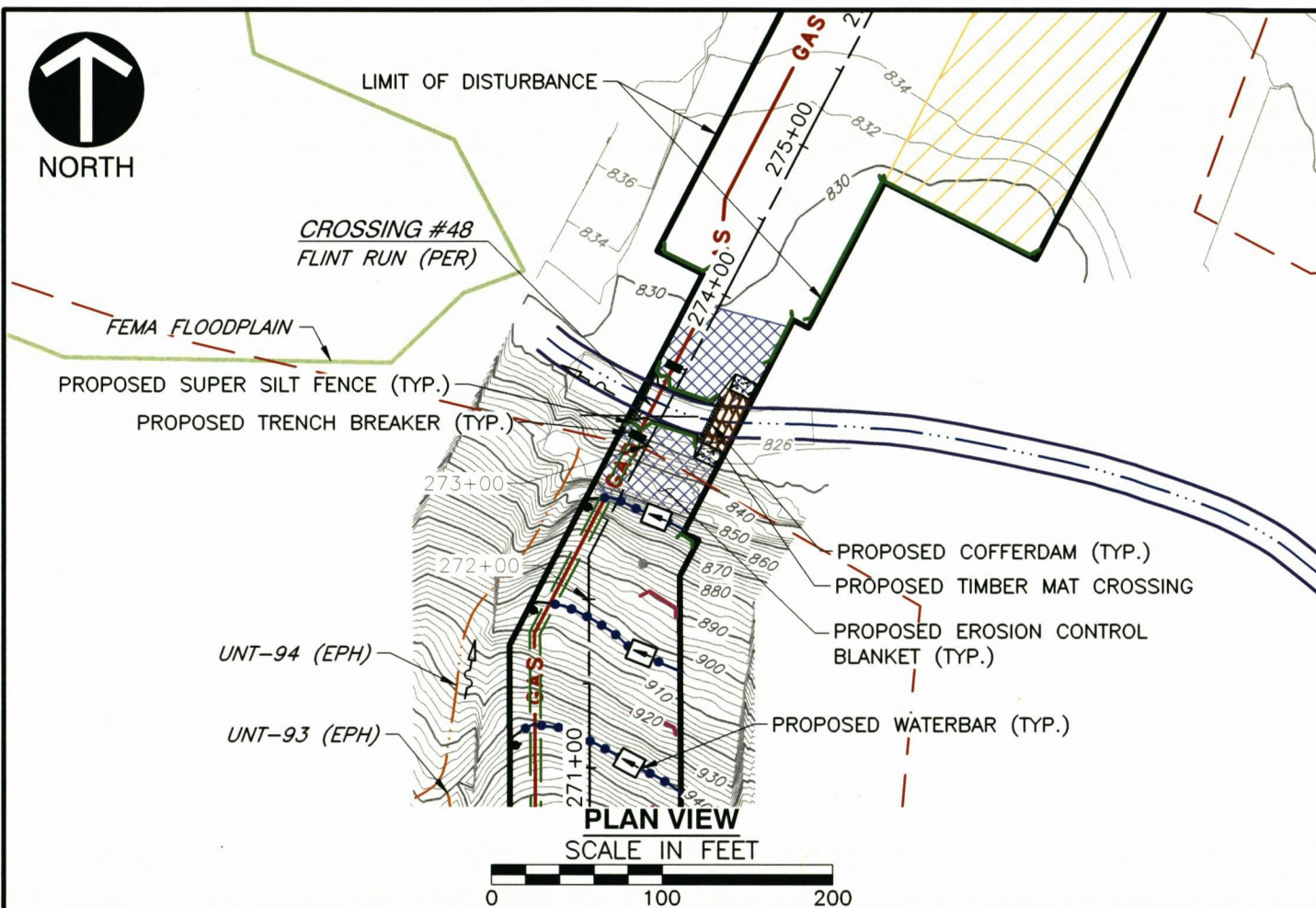
State:

Zip:

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #48
FLINT RUN (PER)

DRAWN BY:

LKC

CHECKED BY:

ARG

APPROVED BY:

*JK

FIGURE NO.:

DATE:

NOVEMBER 2017

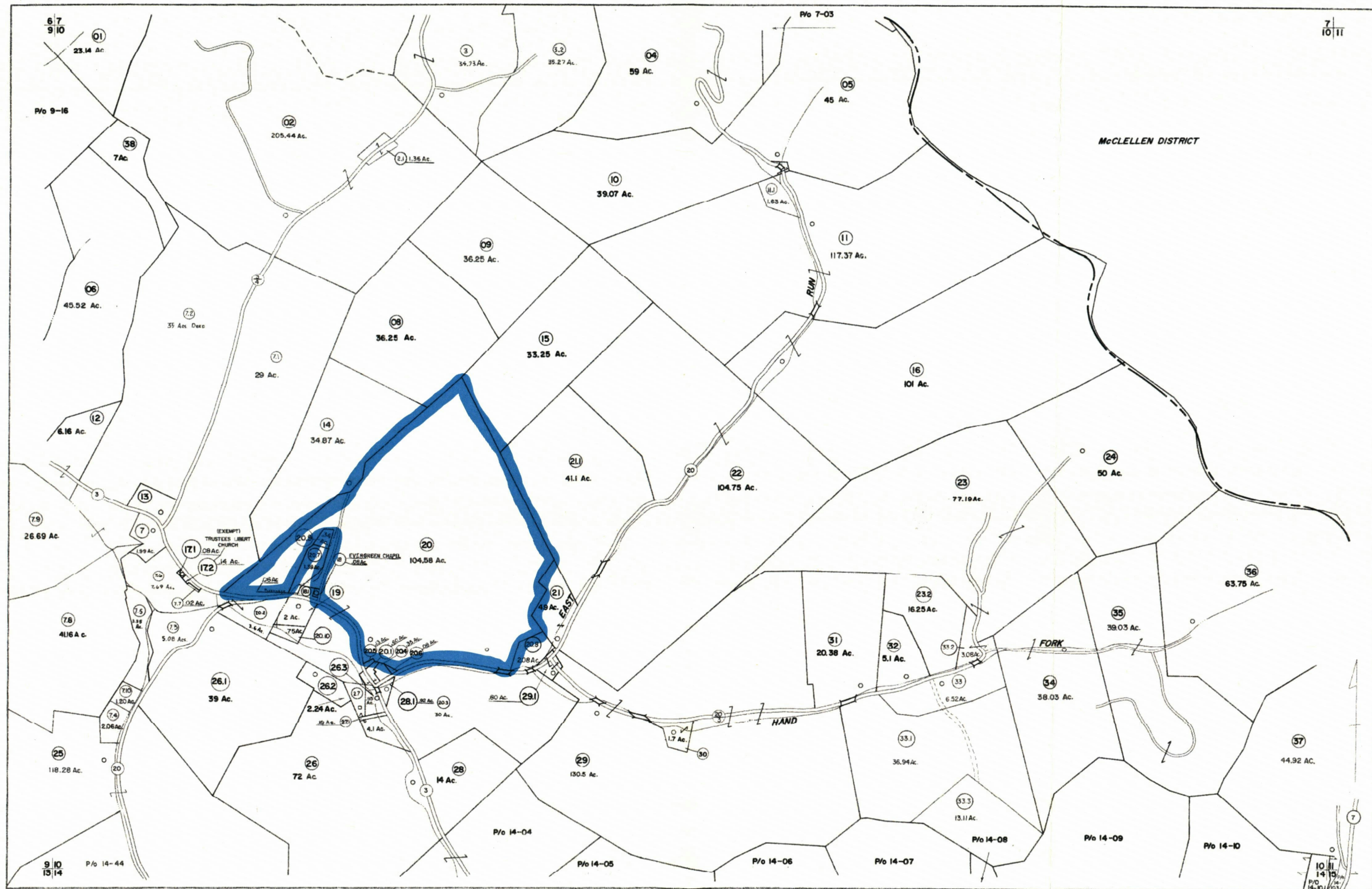
DWG SCALE:

AS SHOWN

PROJECT NO:

171-778-0003

31



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
Consulting Engineer
Ebensburg, Pennsylvania

Legend

Property line	Original lot line
Edge of pavement or roadbed	Deed lot number
Corporation line	Parcel or index number
District line	Improvement
County line	Railroad

Revisions

1	REVISED 5/23/64	2	July, 1967	3	TRM	4	SLS INC. 2/16/98 DSW
5	1-20-72 T.M.	6	Revised 7-1-68	7	2-28	8	SLS INC. 3/08/00 JAW
9	11/18/71	10	Revised 6-7-68	11	REB	12	ESI 3/29/01 REK
13	8-28-80	14	OGIS 1-11-91	15	JB	16	ESI 3/7/02 REK
17	REV 7-81 OR 8-82 T. Groves	18	OGIS 12-8-92	19	JB	20	5/5/03 HBS
21	17-01-78 Z. C. P.	22	OGIS 11-93	23	NU	24	2/29/04 S.H.
25	OGIS 2-95	26	HD	27	5-8-05	28	1745

STATE OF WEST VIRGINIA
DODDRIDGE COUNTY

Office of Assessor

GRANT DISTRICT
SHEET 10

Date, Aerial Photography: APRIL, 1962 Date, Map: OCT. 1963

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 7 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 20		
Decimal Latitude/Longitude: N 39.358244°, E -80.658625°		
DMS Latitude/Longitude: 39° 21' 29.68" N, -80° 39' 31.05" E		
District: McClellan	Map: 23	Parcel: 19
Land Book Description:		
Deed Book Reference: DBV 247, PG 599		
Tax Map Reference: Tax Map 23		
Existing Buildings/Use of Property: Existing Stream – UNT-97, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

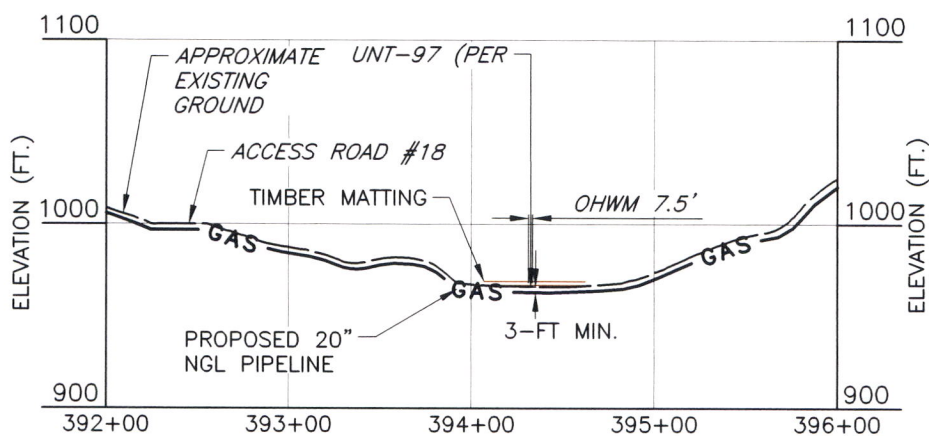
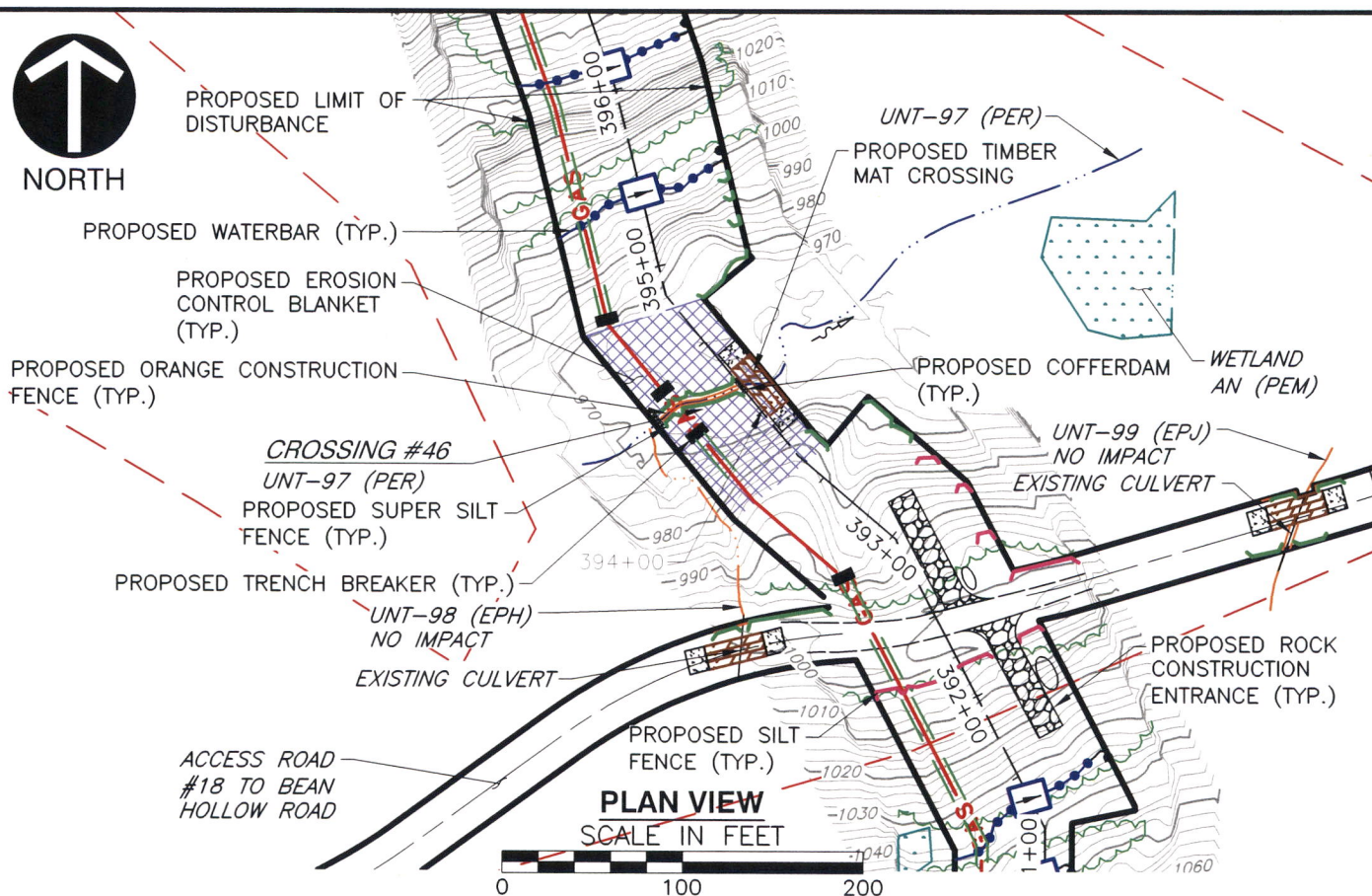
Property Designation: 7 of 24

Property Owner Data:		
Name of Primary Owner (PO): Archer Steven Richard & Rhonda A		
PO Address: 1058 Bean Hollow Rd		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Archer Steven Richard & Rhonda A		
PO Address: 1058 Bean Hollow Rd		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

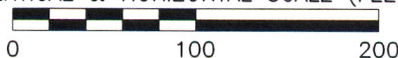
Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-07.dwg{46} LS:(2/28/2018 - btomiczek) - LP: 2/28/2018 1:18 PM



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #46
UNT-97 (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003	3JJ

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 8 of 24

Site/Property Information:

Legal Description: See Tax Parcel Map for Location

Physical Address/911 Address: County Route 20

Decimal Latitude/Longitude: N 39.362181°, E -80.658094°

DMS Latitude/Longitude: 39° 21' 43.85" N, -80° 39' 29.14" E

District: McClellan

Map: 23

Parcel: 15

Land Book Description:

Deed Book Reference: DBV 247, PG 592

Tax Map Reference: Tax Map 23

Existing Buildings/Use of Property: Existing Stream – Riggins Run, Existing Woods, Existing

Floodplain Location Data: (to be completed by Floodplain Manager or designee)

Community:

Number:

Panel:

Suffix:

Location (Lat/Long):

Approximate Elevation:

Estimated BFE:

Is the development in the floodway?

Is the development in the floodplain?

Yes No

Yes No Zone: _____

Notes:

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: <u>8</u> of <u>24</u>

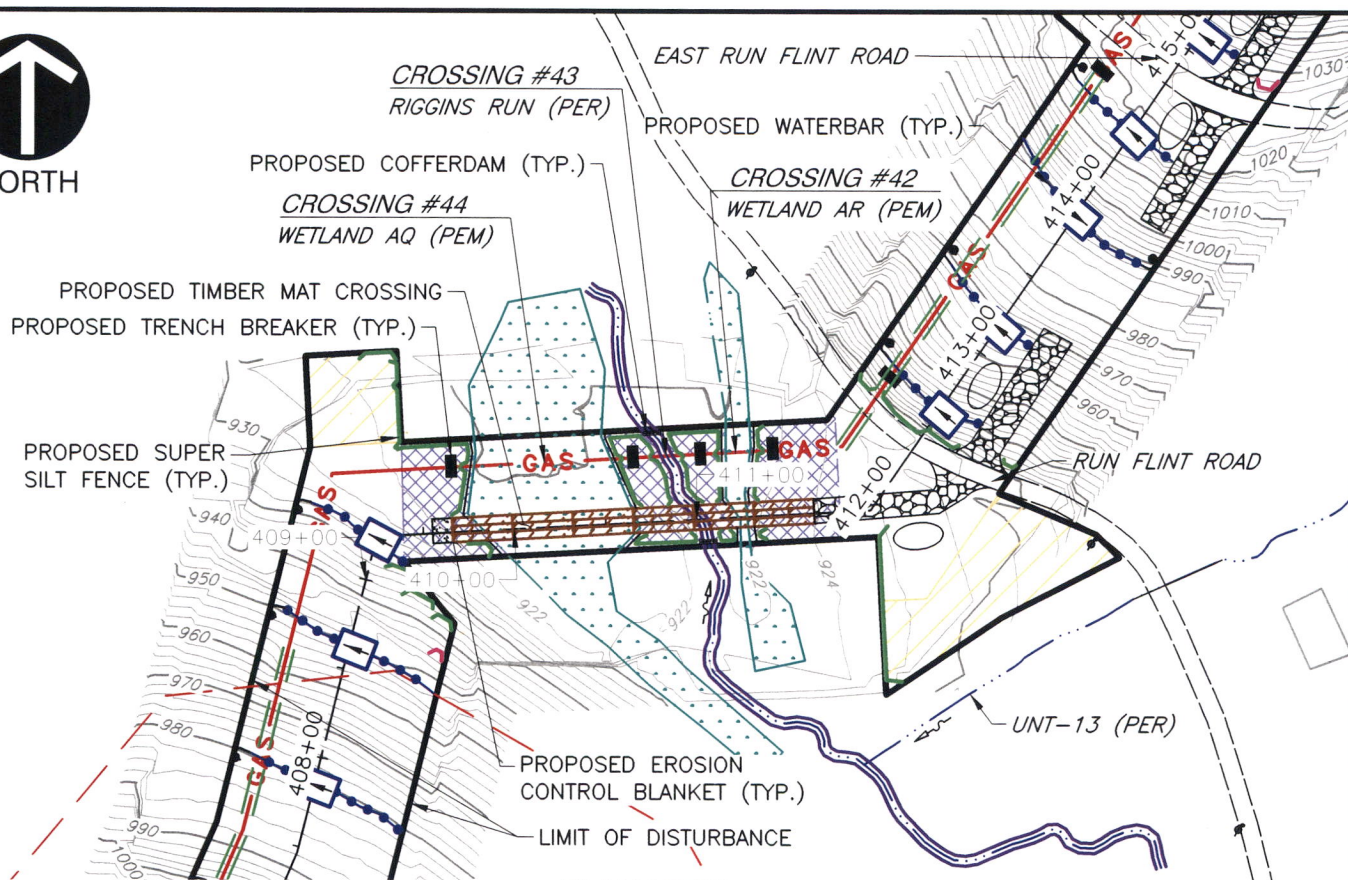
Property Owner Data:		
Name of Primary Owner (PO): Archer J Samuel & Lois C		
PO Address: 441 Wrights Rd		
City: Marietta	State: OH	Zip: 45750
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Archer J Samuel & Lois C		
PO Address: 441 Wrights Rd		
City: Marietta	State: OH	Zip: 45750
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

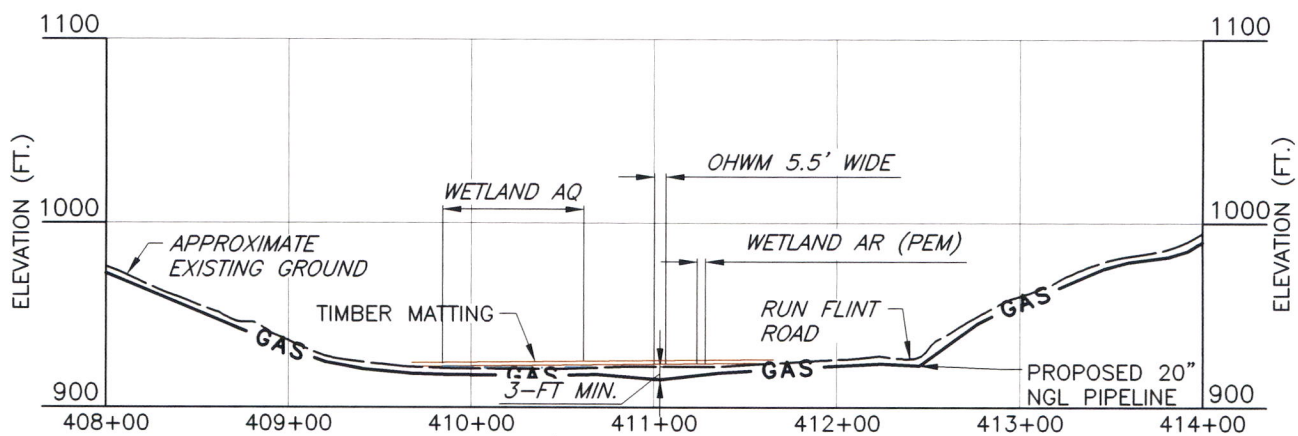
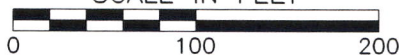


NORTH



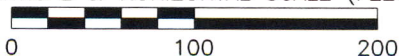
PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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Ph: 304.933.3119 · Fax: 304.933.3327

www.cecinc.com

**MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC**
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #42-43-44
WETLAND AR (PEM), RIGGINS RUN (PER) & WETLAND AQ (PEM)

DRAWN BY:

LKC

CHECKED BY:

ARG

APPROVED BY:

*JK

FIGURE NO.:

DATE:

NOVEMBER 2017

DWG SCALE:

AS SHOWN

PROJECT NO.:

171-778-0003

3H

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 9 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 20		
Decimal Latitude/Longitude: N 39.367875°, E -80.657286°		
DMS Latitude/Longitude: 39° 22' 04.35" N, -80° 39' 26.23" E		
District: McClellan	Map: 23	Parcel: 10
Land Book Description:		
Deed Book Reference: DBV 256, PG 507		
Tax Map Reference: Tax Map 23		
Existing Buildings/Use of Property: Existing Stream – UNT-18, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
<div style="text-align: center;">Yes No</div>		<div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

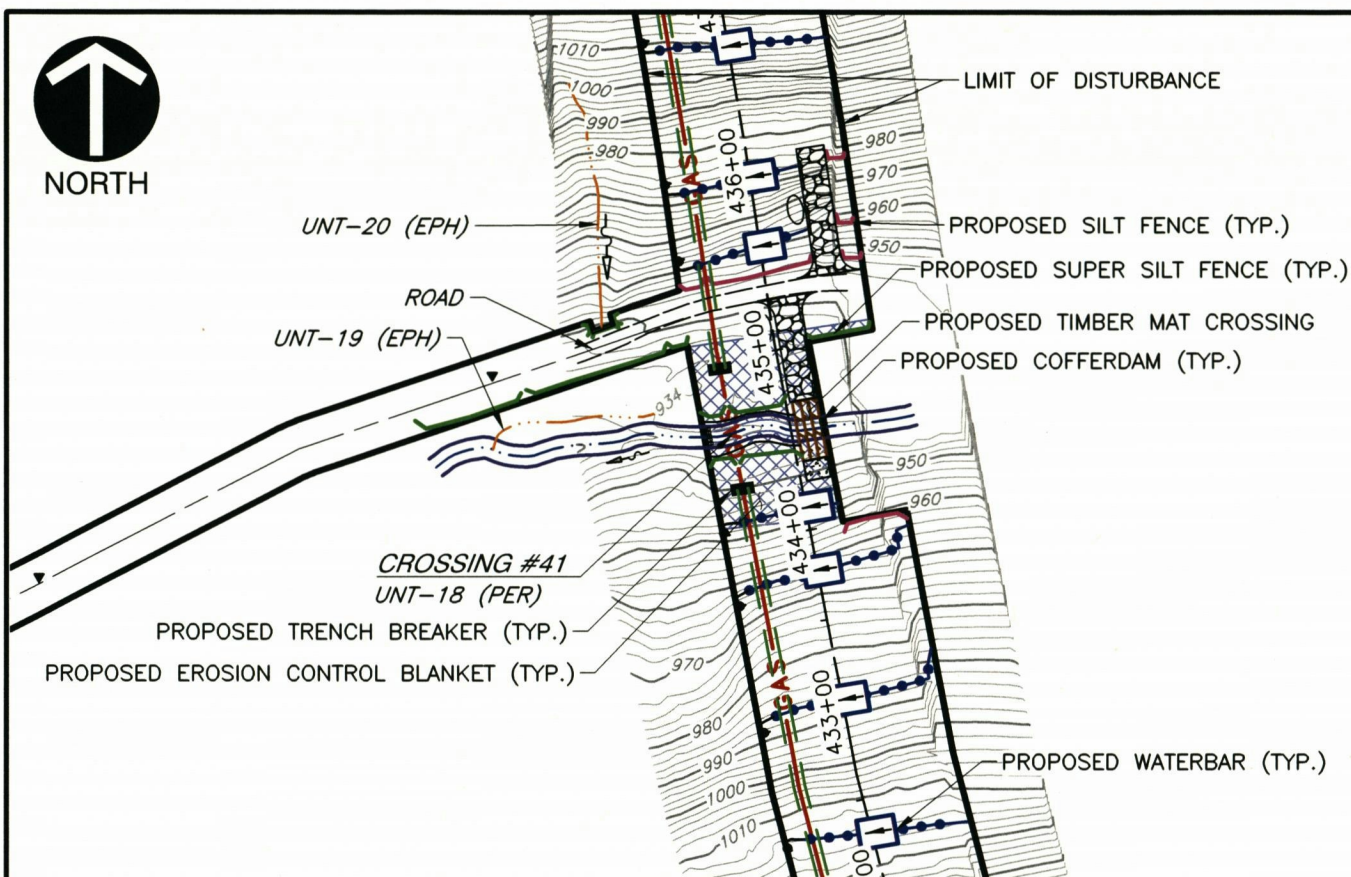
Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 9 of 24

Property Owner Data:		
Name of Primary Owner (PO): Asher Jimmy R (LIFE)		
PO Address: 1196 Chub Run Rd		
City: Mt Clare	State: WV	Zip: 26408
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

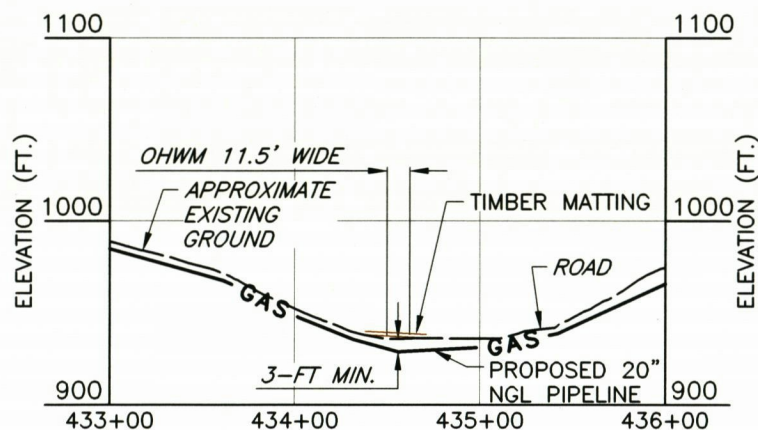
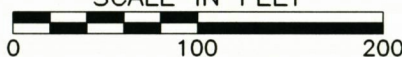
Surface Rights Owner Data:		
Name of Primary Owner (PO): Asher Jimmy R (LIFE)		
PO Address: 1196 Chub Run Rd		
City: Mt Clare	State: WV	Zip: 26408
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



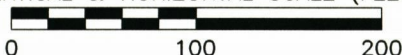
PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



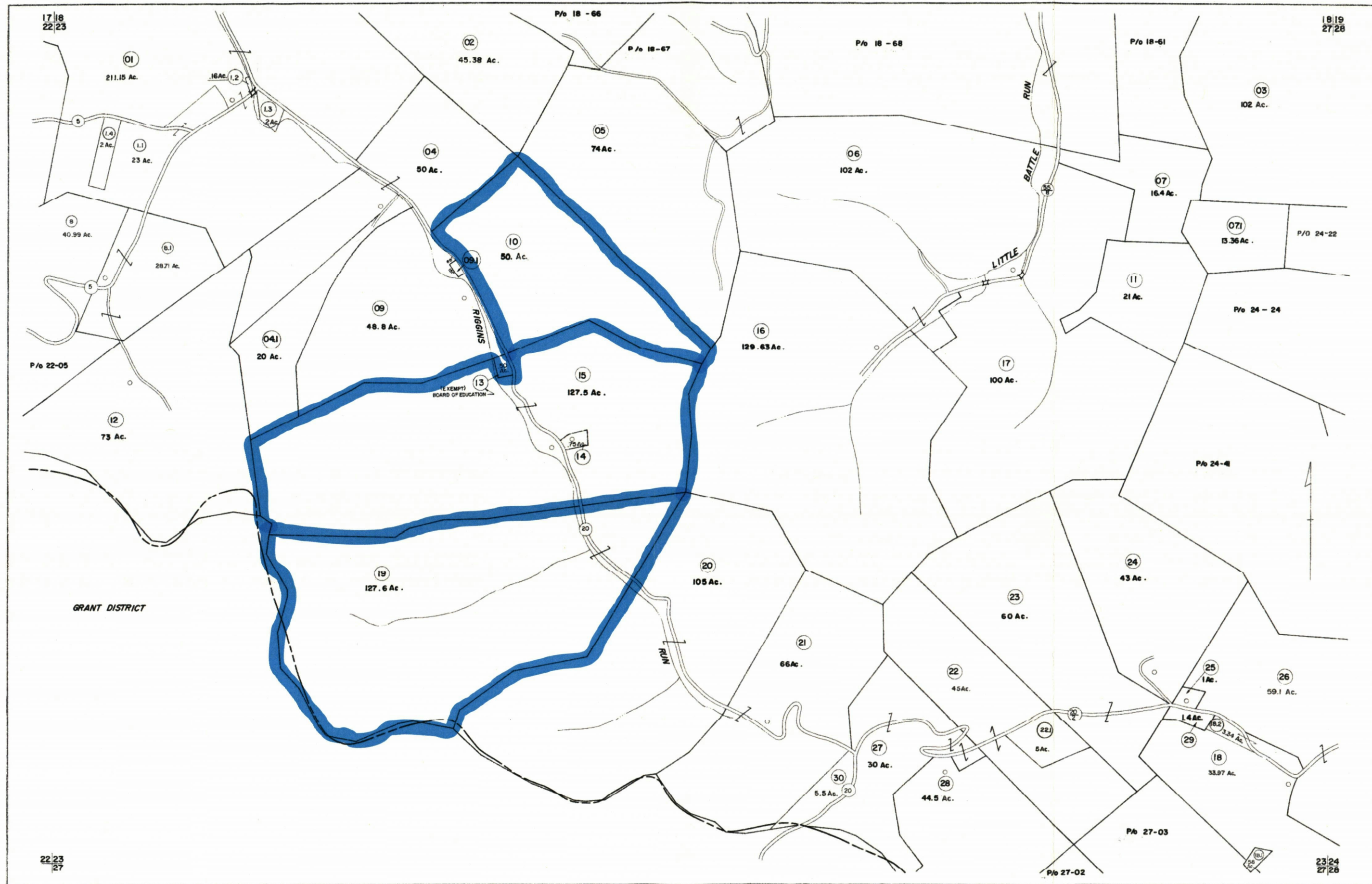
Civil & Environmental Consultants, Inc.

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Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #41
UNT-18 (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3G
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
Consulting Engineer
Ebensburg, Pennsylvania

Legend

Property line	Original lot line
Edge of pavement or roadway	Deed lot number, to present
Corporation line	Parcel or index number or mile improvement
District line	Railroad
County line	

Revisions

1	REVISED 3/24/64	2	SLS INC. 12/28/97	DSW	11
3	3-31-90	4	ESI	3/27/01	REK
5	REVISED 7-81	6	ESI	2/28/02	REK
7	11-11-91	8	5-3-05	11-5	21
9	OGIS 12-28-90	10	4/6/07	SBH	21
11	OGIS 10-23-91	12			21
13	OGIS 12-8-92	14			21

STATE OF WEST VIRGINIA
DODDRIDGE COUNTY

Office of Assessor

McCLELLAN DISTRICT
SHEET 23

Date, Aerial Photography: APRIL, 1962 Date, Map: SEPT, 1963
Blank Map: 1962 Scale: 1" = 100'

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 10 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 52		
Decimal Latitude/Longitude: N 39.377536°, E -80.660583°		
DMS Latitude/Longitude: 39° 22' 39.13" N, -80° 39' 38.10" E		
District: McClellan	Map: 18	Parcel: 54
Land Book Description:		
Deed Book Reference: DBV 274, PG 552		
Tax Map Reference: Tax Map 18		
Existing Buildings/Use of Property: Existing Stream – UNT-9, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 10 of 24

Property Owner Data:

Name of Primary Owner (PO): Adams David Laurence ET AL

PO Address: 3631 Riggins Run Rd

City: West Union

State: WV

Zip: 26456

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:

Surface Rights Owner Data:

Name of Primary Owner (PO): Adams David Laurence ET AL

PO Address: 3631 Riggins Run Rd

City: West Union

State: WV

Zip: 26456

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:

Mineral Rights Owner Data: (As Applicable)

Name of Primary Owner (PO): N/A

PO Address:

City:

State:

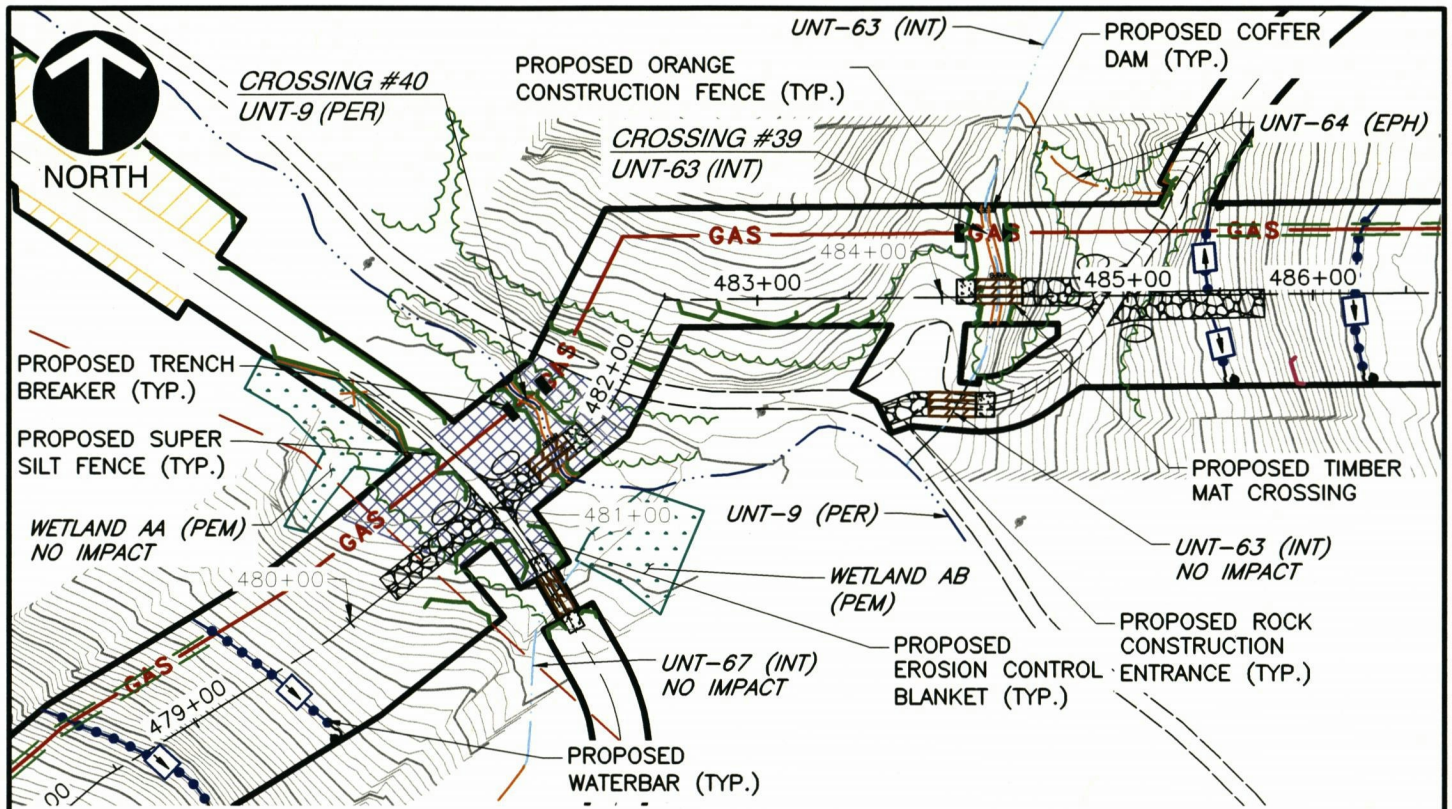
Zip:

PO Primary Phone:

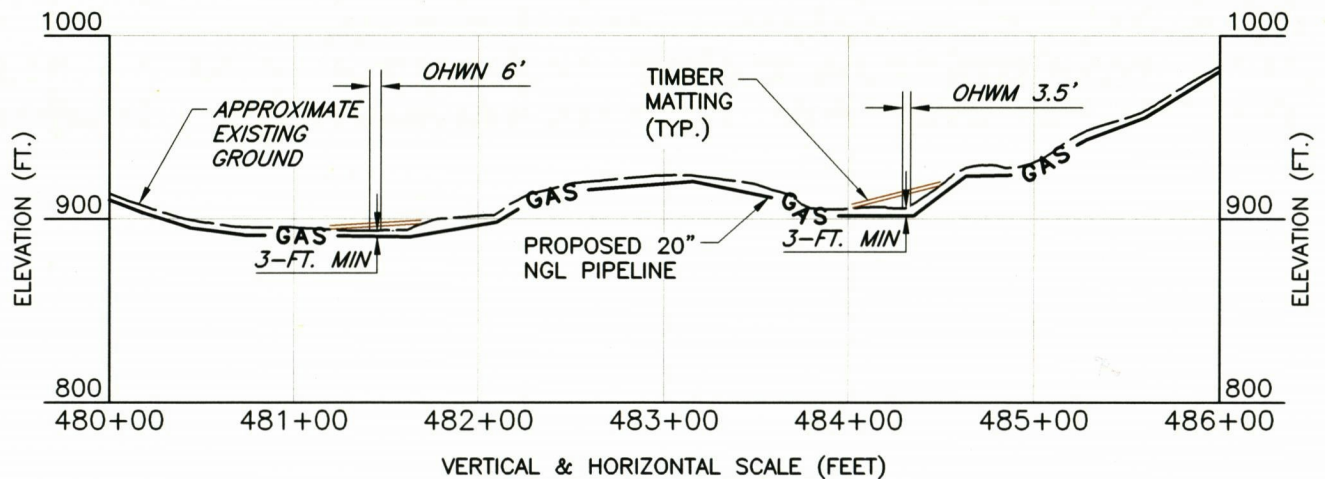
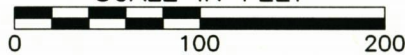
PO Secondary Phone:

PO Primary Email:

P:\2017\171-778\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-06.dwg(39-40) LS(2/28/2018 - btomiczek) - LP: 2/28/2018 2:28 PM



PLAN VIEW
SCALE IN FEET



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #39-40
UNT-63 (INT) & UNT-9 (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3HH
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 11 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 52		
Decimal Latitude/Longitude: N 39.377797°, E -80.659703°		
DMS Latitude/Longitude: 39° 22' 40.07" N, -80° 34' 34.93" E		
District: McClellan	Map: 18	Parcel: 55.1
Land Book Description:		
Deed Book Reference: DBV 254, PG 27		
Tax Map Reference: Tax Map 18		
Existing Buildings/Use of Property: Existing Stream – UNT-63, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

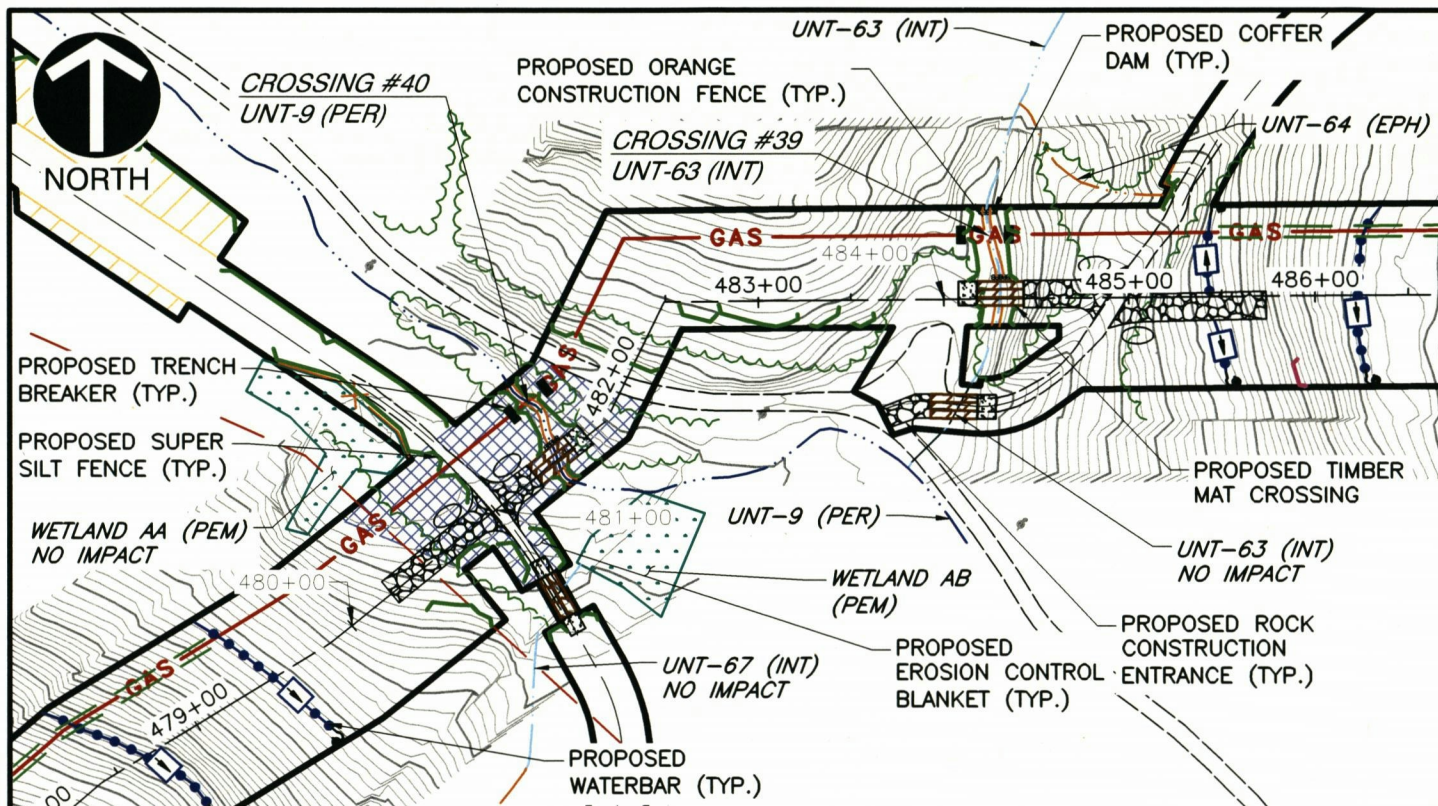
Property Designation: 11 of 24

Property Owner Data:		
Name of Primary Owner (PO): Owens David L & Nancy L		
PO Address: 631 Coon Rd		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

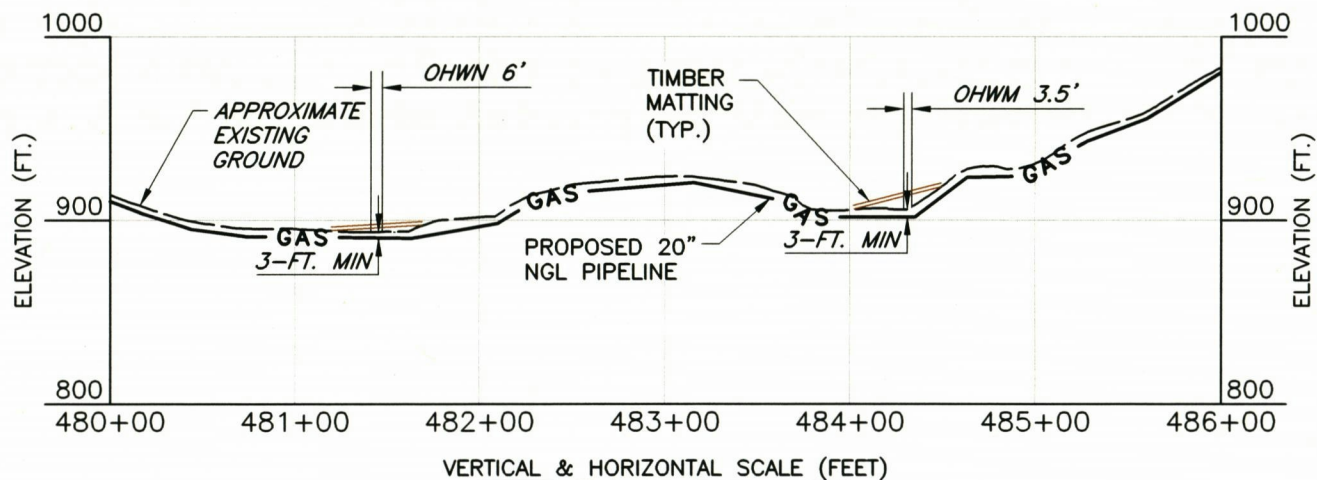
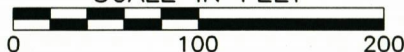
Surface Rights Owner Data:		
Name of Primary Owner (PO): Owens David L & Nancy L		
PO Address: 631 Coon Rd		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-06.dwg[39-40] LS:(2/28/2018 - btomiczek) - LP: 2/28/2018 2:28 PM



PLAN VIEW
SCALE IN FEET



VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

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MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #39-40
UNT-63 (INT) & UNT-9 (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3HH
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 12 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: State Route 23		
Decimal Latitude/Longitude: N 39.399639°, E -80.646406°		
DMS Latitude/Longitude: 39° 23' 58.70" N, -80° 38' 47.06" E		
District: McClellan	Map: 12	Parcel: 41
Land Book Description:		
Deed Book Reference: DBV WB97, PG 348		
Tax Map Reference: Tax Map 12		
Existing Buildings/Use of Property: Existing Stream – McElroy Creek, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
Yes No		Yes No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

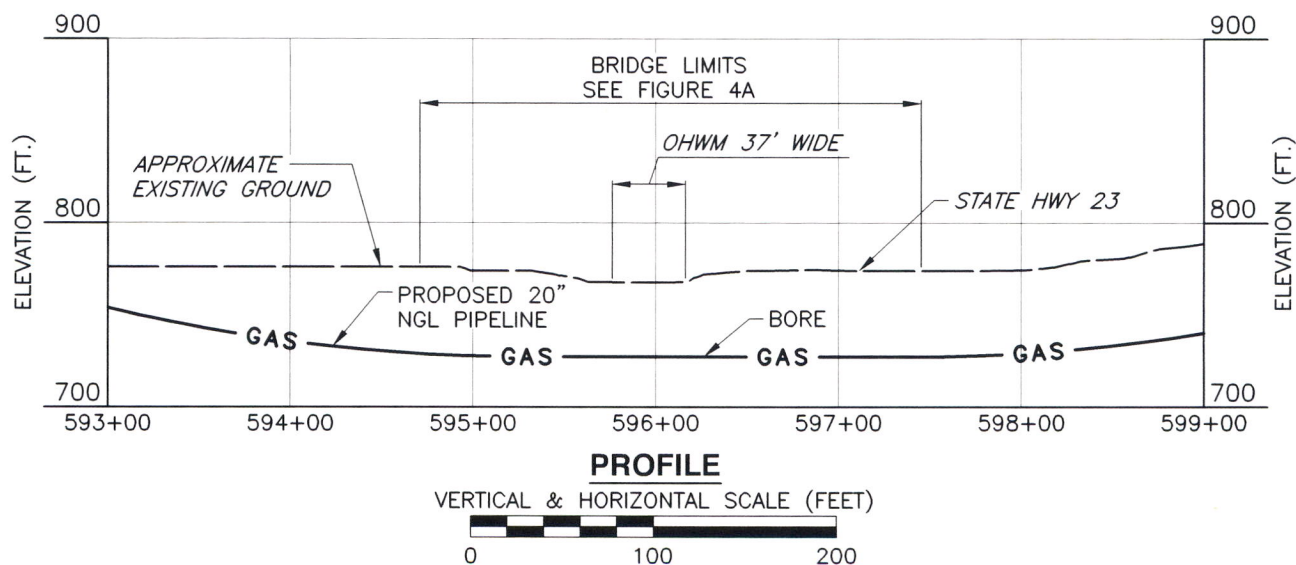
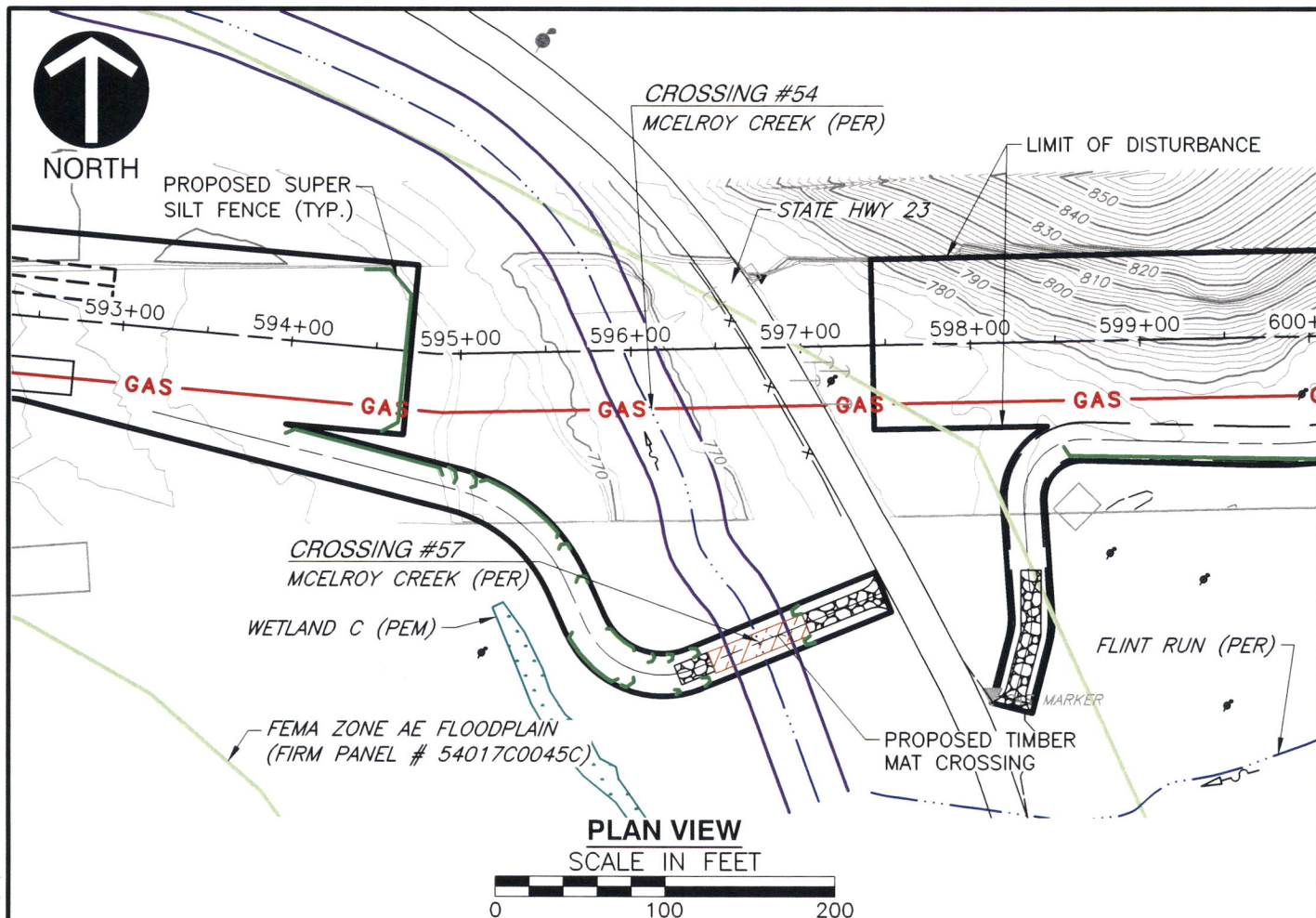
Property Designation: 12 of 24

Property Owner Data:		
Name of Primary Owner (PO): Braun Jerry E		
PO Address: 9699 WV Route 23 N		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Braun Jerry E		
PO Address: 9699 WV Route 23 N		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		


Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-02.dwg(54) LS(3/1/2018 - btomiczek) - LP: 3/1/2018 11:41 AM



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE

 Civil & Environmental Consultants, Inc. 600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330 Ph: 304.933.3119 · Fax: 304.933.3327 www.cecinc.com		MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC SHERWOOD TO MOBLEY PIPELINE PROJECT DODDRIDGE COUNTY, WEST VIRGINIA CROSSINGS #54 & 57 MCELROY CREEK (PER)	
DRAWN BY: LKC	CHECKED BY: ARG	APPROVED BY: *JK	FIGURE NO.: 3K
DATE: NOVEMBER 2017	DWG SCALE: AS SHOWN	PROJECT NO: 171-778-0003	

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 13 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: State Route 23		
Decimal Latitude/Longitude: N 39.399881°, E -80.644064°		
DMS Latitude/Longitude: 39° 23' 59.57" N, -80° 38' 38.63" E		
District: McClellan	Map: 12	Parcel: 29
Land Book Description:		
Deed Book Reference: DBV 252, PG 674		
Tax Map Reference: Tax Map 12		
Existing Buildings/Use of Property: Existing Stream – UNT-26, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway?		Is the development in the floodplain?	
Yes No		Yes No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

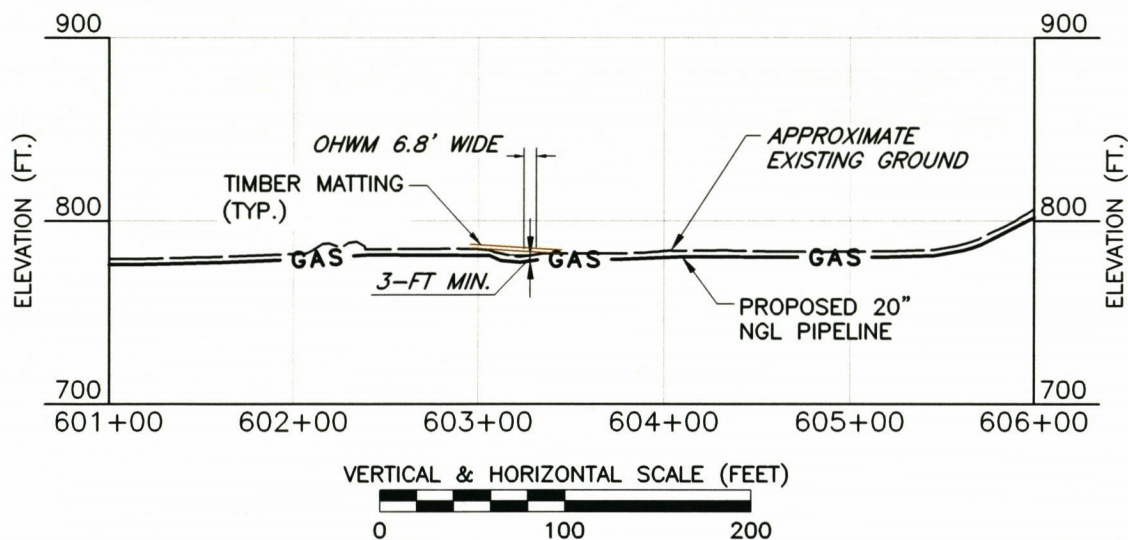
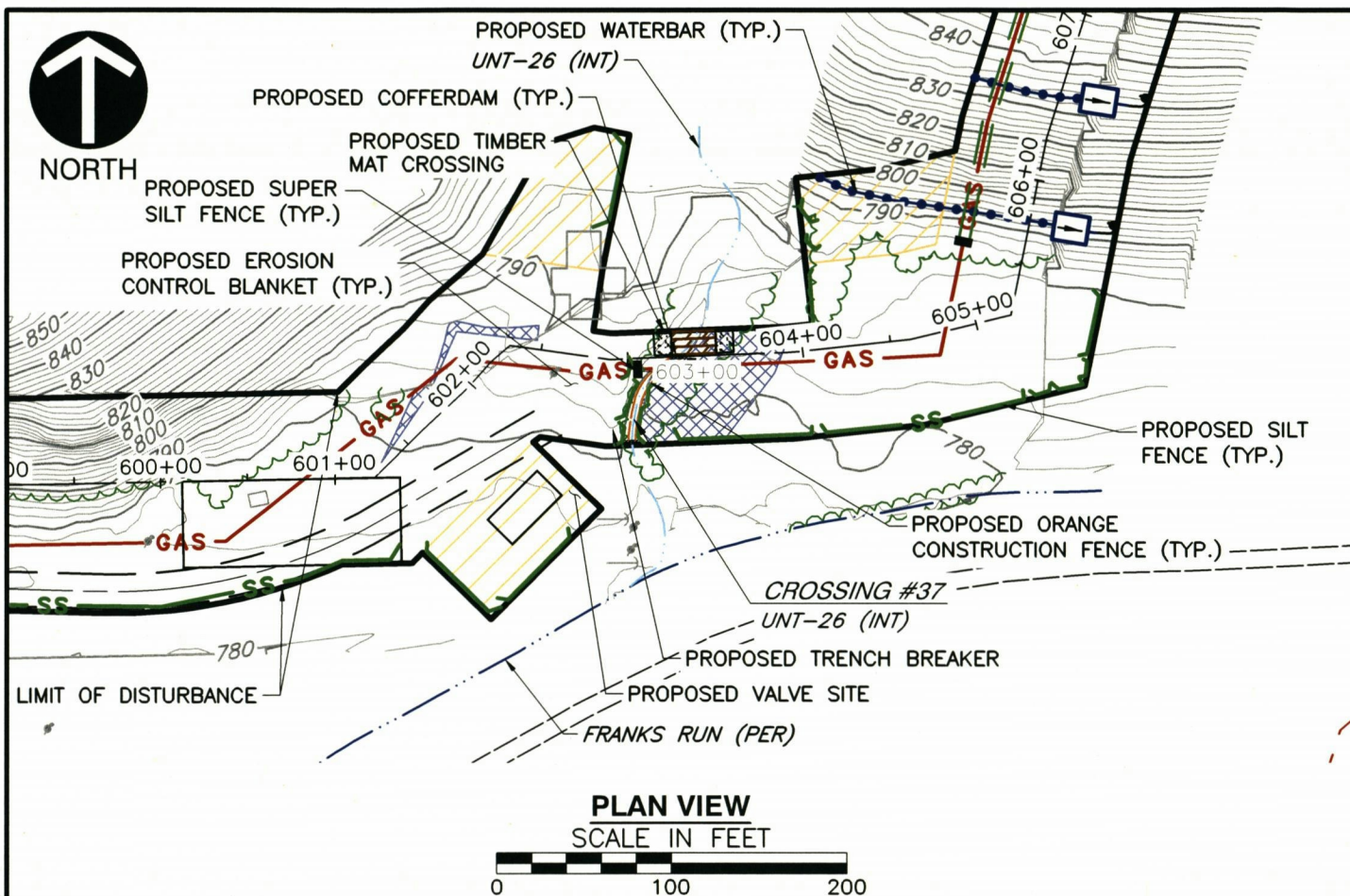
Property Designation: 13 of 24

Property Owner Data:		
Name of Primary Owner (PO): Fernett Harold K ET AL		
PO Address: 2419 Maple Ave		
City: Fayetteville	State: WV	Zip: 25840
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Fernett Harold K ET AL		
PO Address: 2419 Maple Ave		
City: Fayetteville	State: WV	Zip: 25840
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-06.dwg[37] LS(2/28/2018 - btomiczek) - LP: 2/28/2018 2:26 PM



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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**MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA**

**CROSSING #37
UNT-26 (INT)**

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003	3FF

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 14 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.401247°, E -80.640458°		
DMS Latitude/Longitude: 39° 24' 04.49" N, -80° 38' 25.65" E		
District: McClellan	Map: 12	Parcel: 19
Land Book Description:		
Deed Book Reference: DBV WB33, PG 513		
Tax Map Reference: Tax Map 12		
Existing Buildings/Use of Property: Existing Stream – UNT-102 and UNT-103, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <div style="text-align: center;">Yes No</div>		Is the development in the floodplain? <div style="text-align: center;">Yes No Zone: _____</div>	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

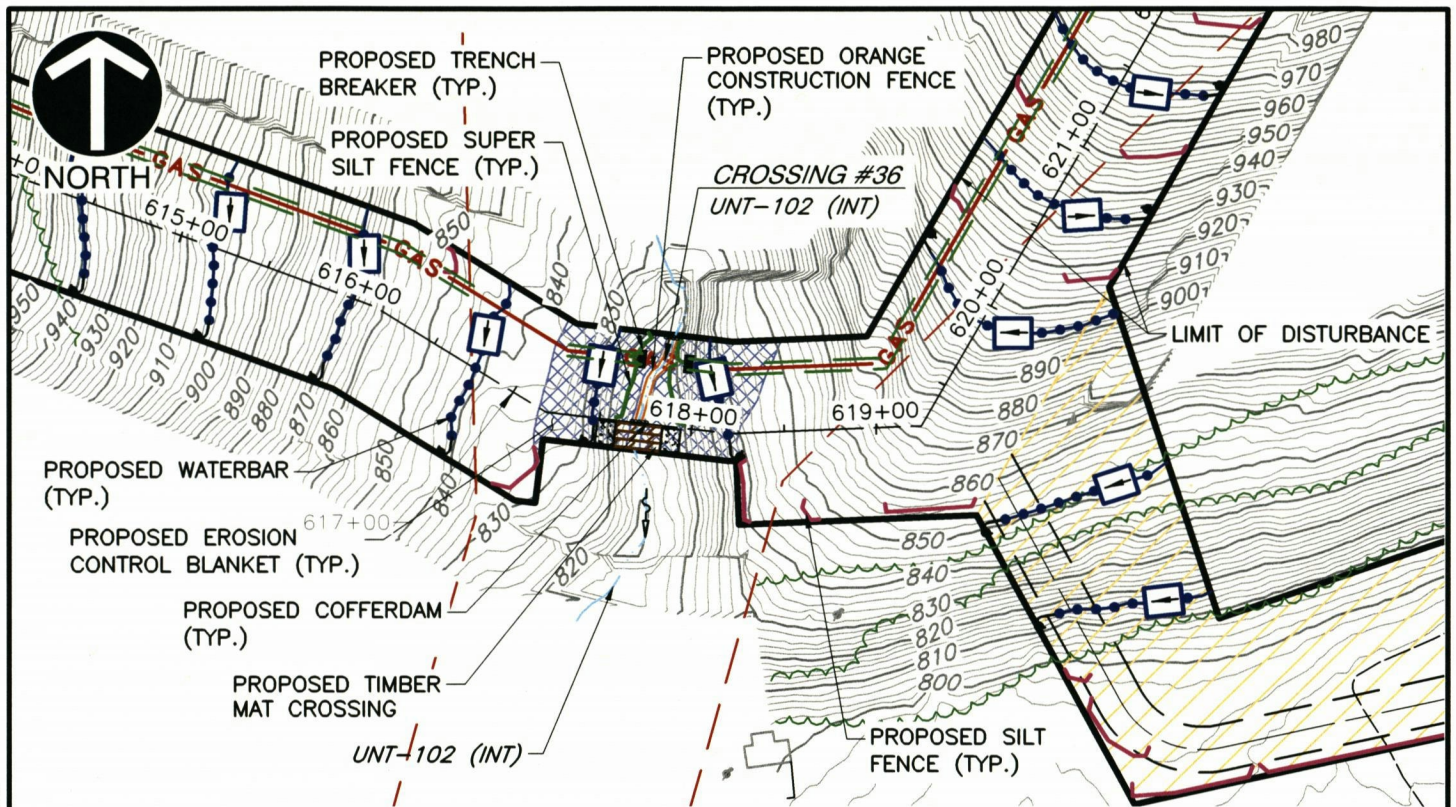
Property Designation: 14 of 24

Property Owner Data:		
Name of Primary Owner (PO): Glaspell Mary L		
PO Address: 14723 WV Route 23 N		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

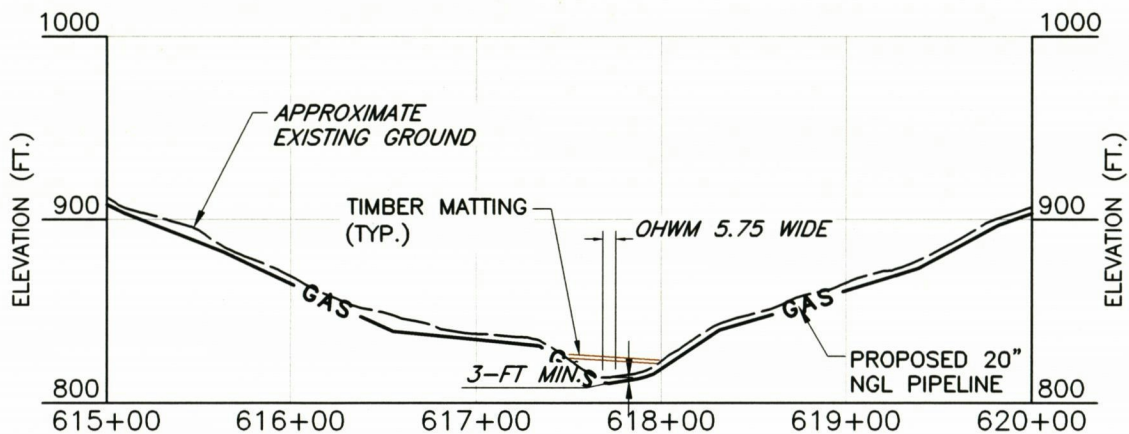
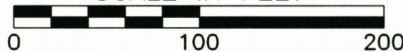
Surface Rights Owner Data:		
Name of Primary Owner (PO): Glaspell Mary L		
PO Address: 14723 WV Route 23 N		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-06.dwg[36] LS:[2/28/2018 - btomiczek] - LP: 2/28/2018 2:24 PM

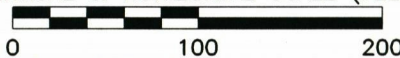


PLAN VIEW
SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



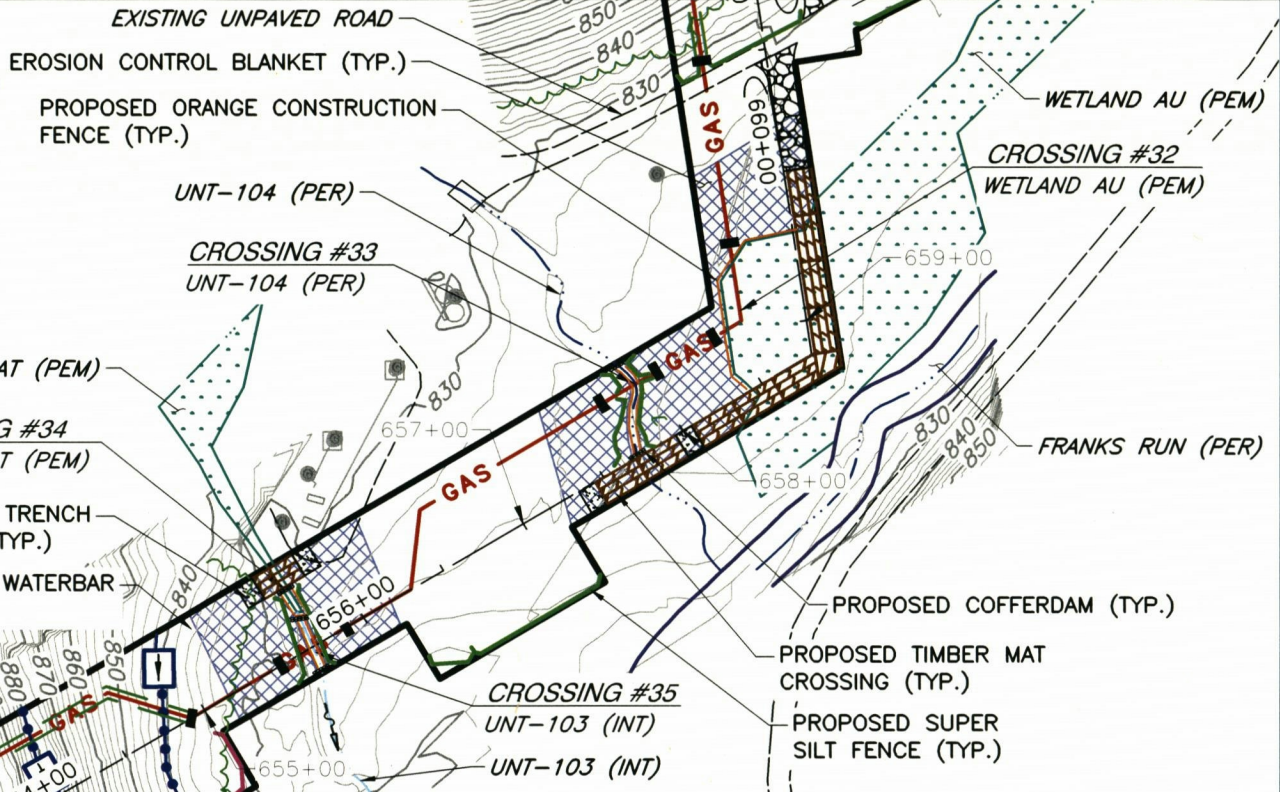
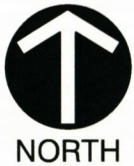
Civil & Environmental Consultants, Inc.

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Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

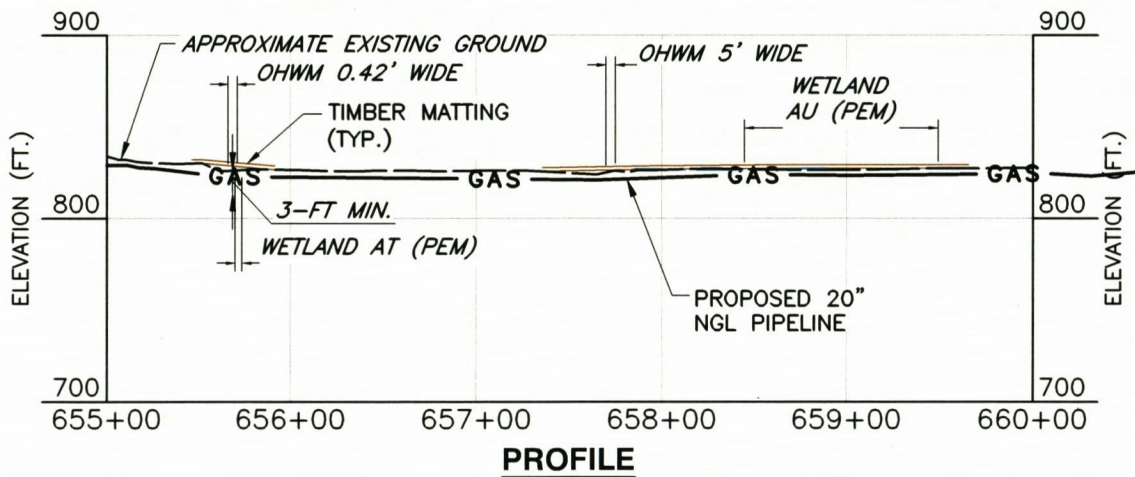
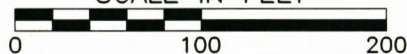
MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #36
UNT-102 (INT)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3EE
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

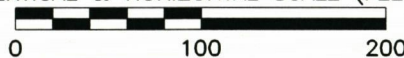


PLAN VIEW
SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA
CROSSINGS #32-35: WETLAND AU (PEM), UNT-104 (PER),
WETLAND AT (PEM), & UNT-103 (INT)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3DD
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 15 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.409569°, E -80.637492°		
DMS Latitude/Longitude: 39° 24' 34.45" N, -80° 38' 14.97" E		
District: McClellan	Map: 12	Parcel: 7
Land Book Description:		
Deed Book Reference: DBV WB33, PG 513		
Tax Map Reference: Tax Map 12		
Existing Buildings/Use of Property: Existing Stream – UNT-104, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

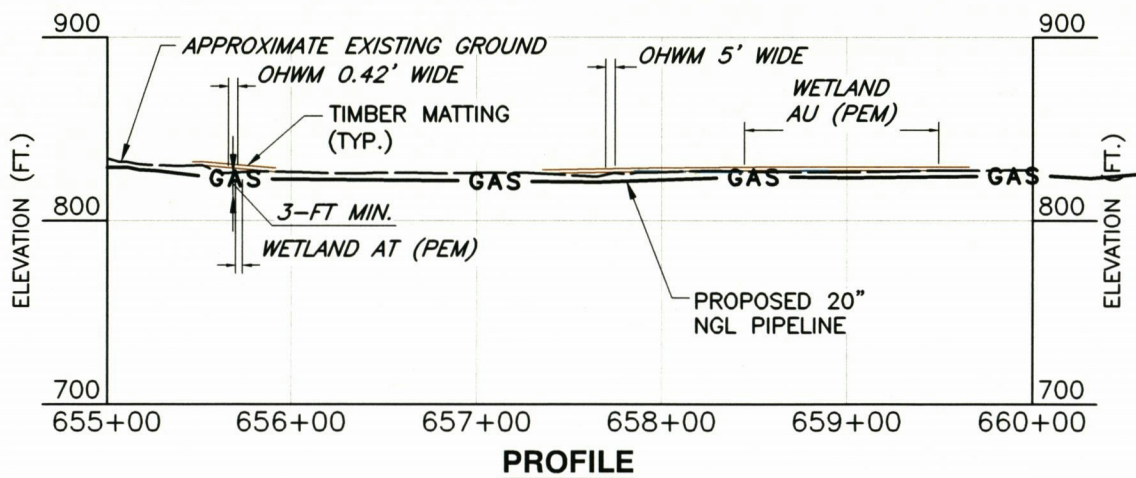
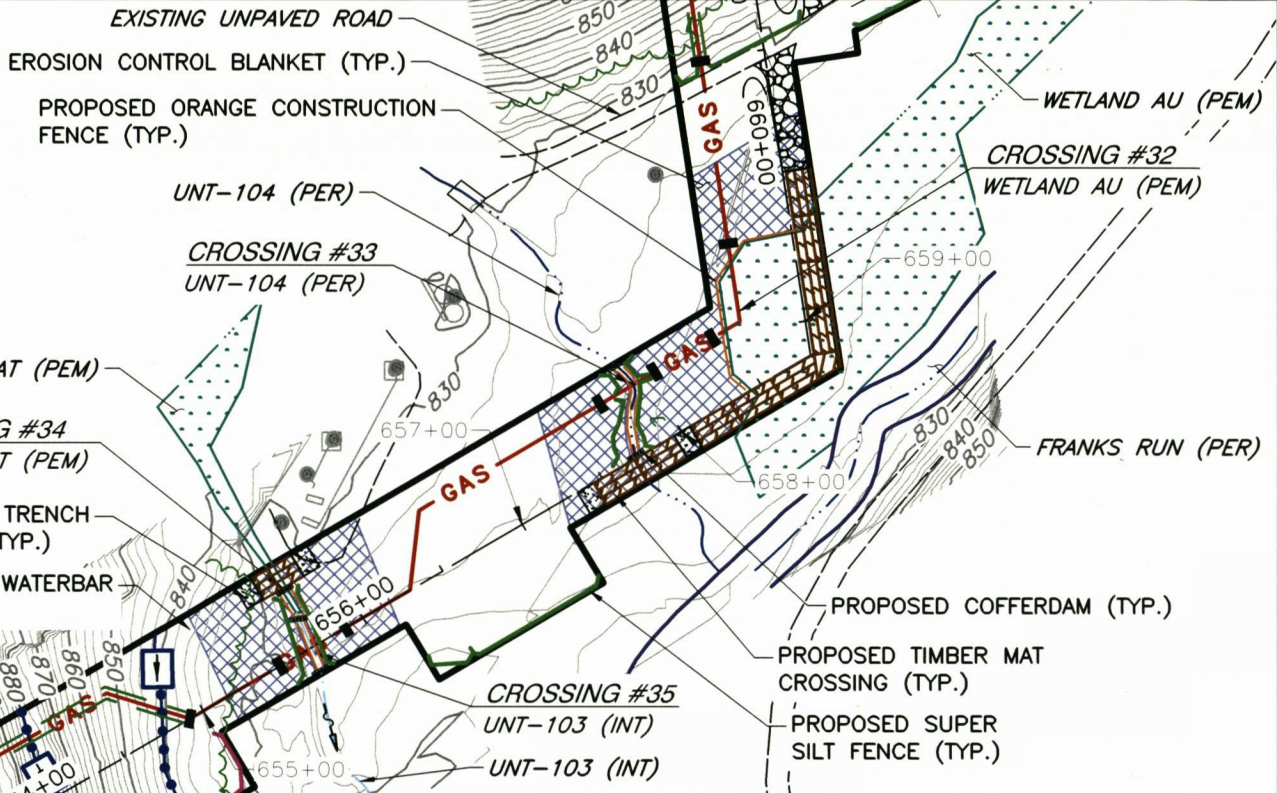
Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 15 of 24

Property Owner Data:		
Name of Primary Owner (PO): Glaspell Mary L		
PO Address: 14723 WV Route 23 N		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Glaspell Mary L		
PO Address: 14723 WV Route 23 N		
City: West Union	State: WV	Zip: 26456
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE

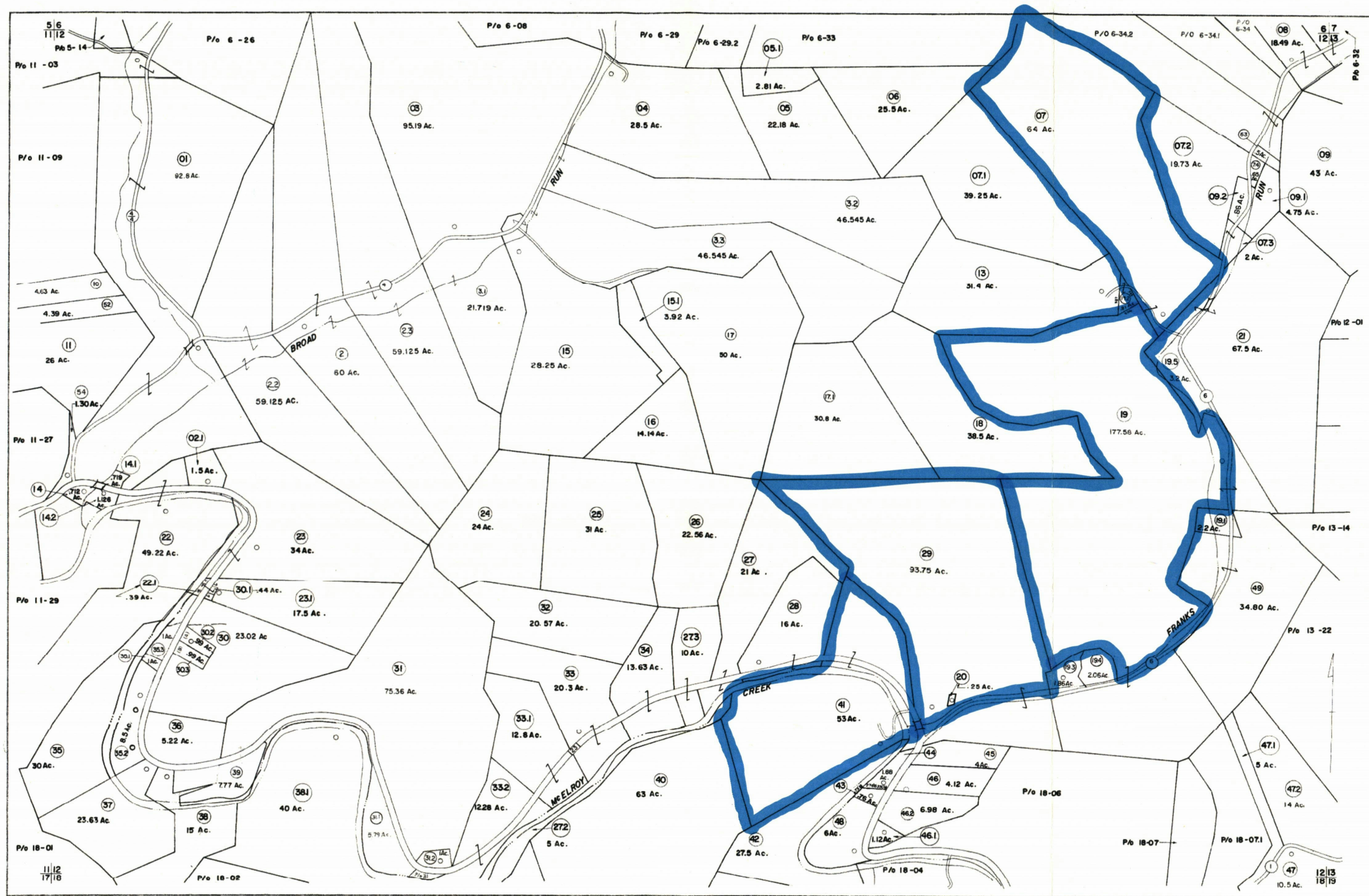


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MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA
CROSSINGS #32-35: WETLAND AU (PEM), UNT-104 (PER),
WETLAND AT (PEM), & UNT-103 (INT)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3DD
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		



FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
Consulting Engineer
Ebensburg, Pennsylvania

Legend

Property line	Original lot line
Edge of pavement or roadway	Dead lot number in numbers
Corporation line	Parcel or index number in blue
District line	Improvement
County line	Railroad

Revisions

1	REVISED 3/24/64	1	Revised to 7-1-64	1	ES	2/27/02	REK
2	11/20/72 E.P.C.	2	Revised to 7-1-69	2	ES	5/5/03	HBS
3	8/7/76 PW	3	0618 12-27-90	3	JB	3/2/04	SBH
4	REVISED 7-91 T. Groves	4	0818 10-23-91	4	NK		
5	7-7-83	5	0818 12-8-92	5	JEB		
6	11/1/88	6	0818 2-95	6	HD		
7	11/1/95	7	0818 12-96	7	HD		

STATE OF WEST VIRGINIA
DODDRIDGE COUNTY

Office of Assessor

McCLELLAN DISTRICT
SHEET 12

Date, Aerial Photography: APRIL, 1962 Date, Map: SEPT, 1963

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 16 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.414506°, E -80.635547°		
DMS Latitude/Longitude: 39° 24 52.22" N, -80° 38' 07.97" E		
District: McClellan	Map: 6	Parcel: 34.2
Land Book Description:		
Deed Book Reference: DBV 239, PG 544		
Tax Map Reference: Tax Map 6		
Existing Buildings/Use of Property: Existing Stream – UNT-106, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

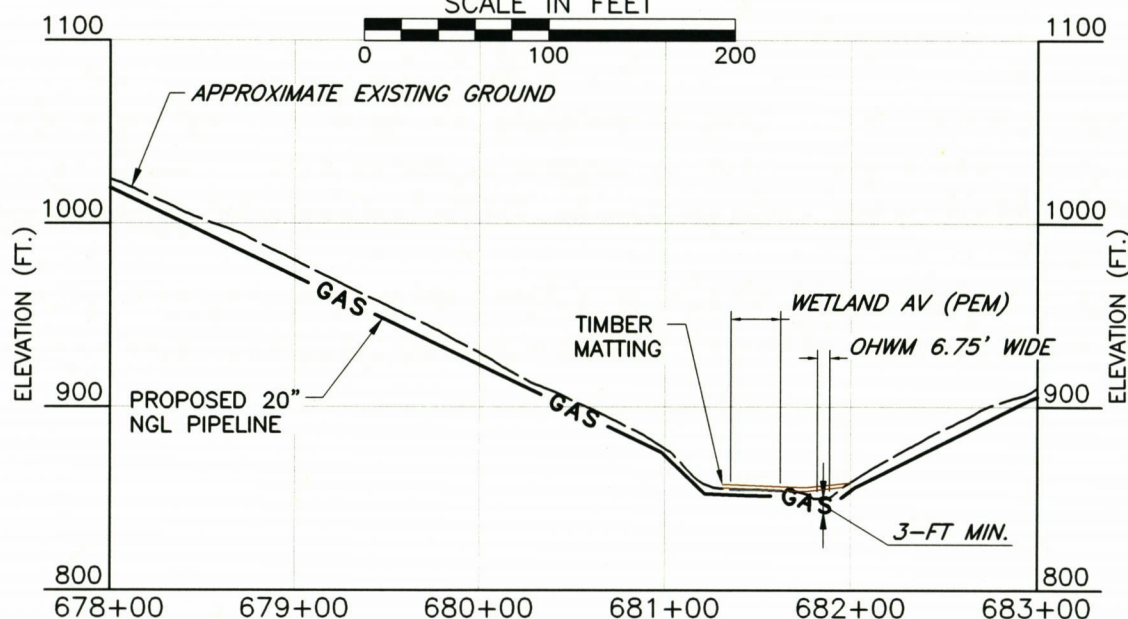
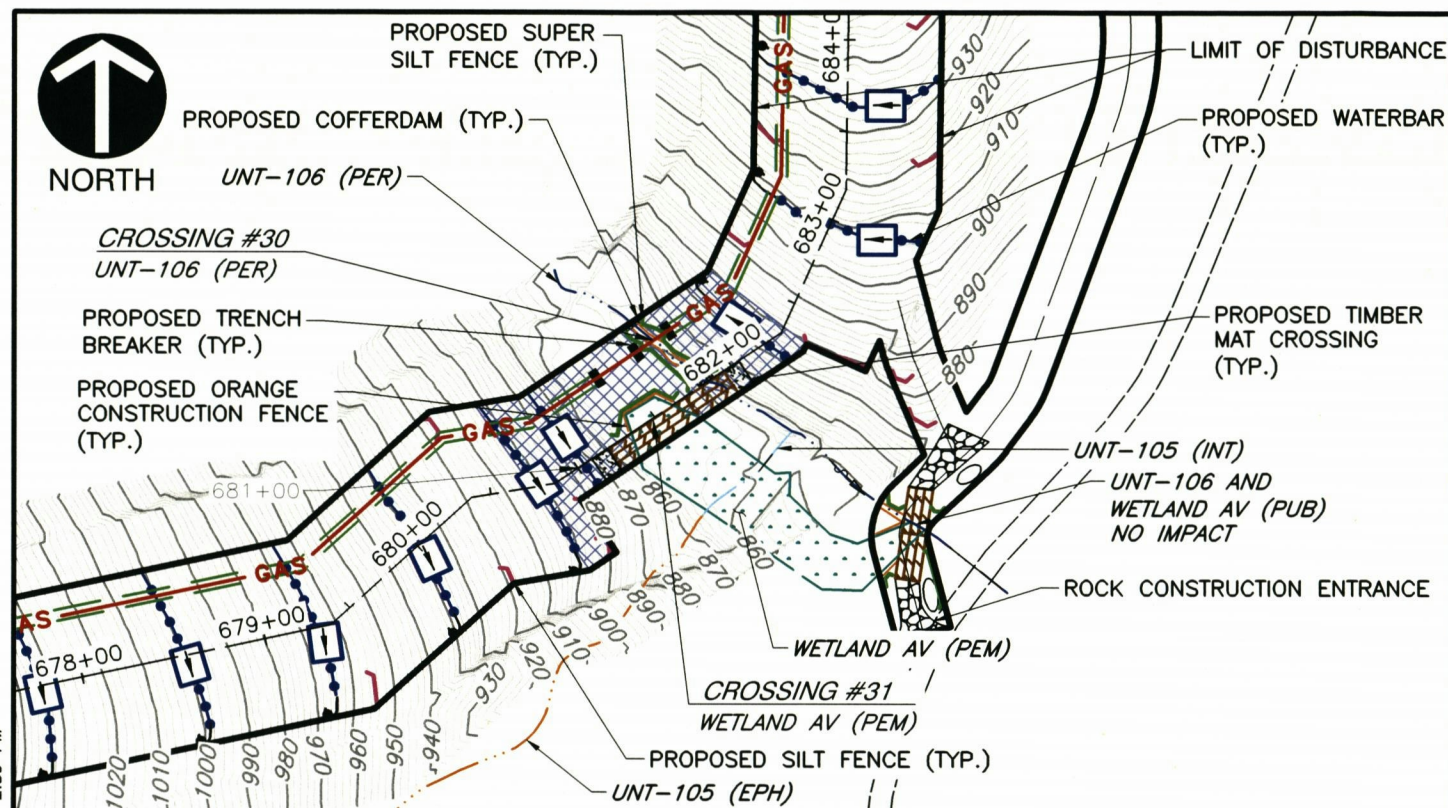
Property Designation: 16 of 24

Property Owner Data:		
Name of Primary Owner (PO): Edgell Charles W & Irene		
PO Address: P.O. Box 126		
City: New Manchester	State: WV	Zip: 26056
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Edgell Charles W & Irene		
PO Address: P.O. Box 126		
City: New Manchester	State: WV	Zip: 26056
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-05.dwg(30 & 31) LS(2/28/2018 - btomiczek) - LP: 2/28/2018 2:39 PM



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #30 & 31
UNT-106 (PER) & WETLAND AV (PEM)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003	3CC

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 17 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.418961°, E -80.636661°		
DMS Latitude/Longitude: 39° 25' 08.26" N, -80° 38' 11.98" E		
District: McClellan	Map: 6	Parcel: 34
Land Book Description:		
Deed Book Reference: DBV 263, PG 726		
Tax Map Reference: Tax Map 6		
Existing Buildings/Use of Property: Existing Stream – UNT-36, and UNT-37, Existing Woods,		
Existing Woods		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 17 of 24

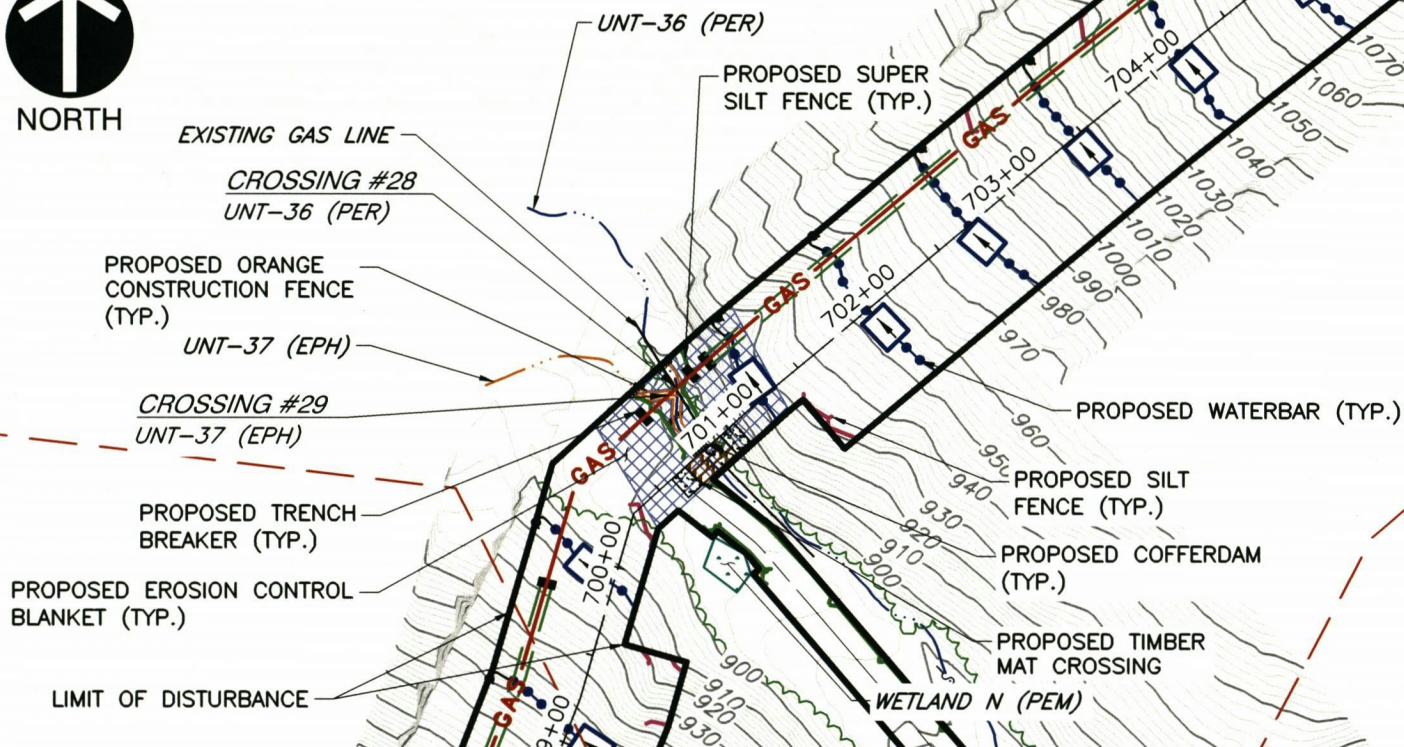
Property Owner Data:		
Name of Primary Owner (PO): Vanbibber Dean		
PO Address: 1639 Franks Run Rd		
City: Center Point	State: WV	Zip: 26339
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Vanbibber Dean		
PO Address: 1639 Franks Run Rd		
City: Center Point	State: WV	Zip: 26339
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

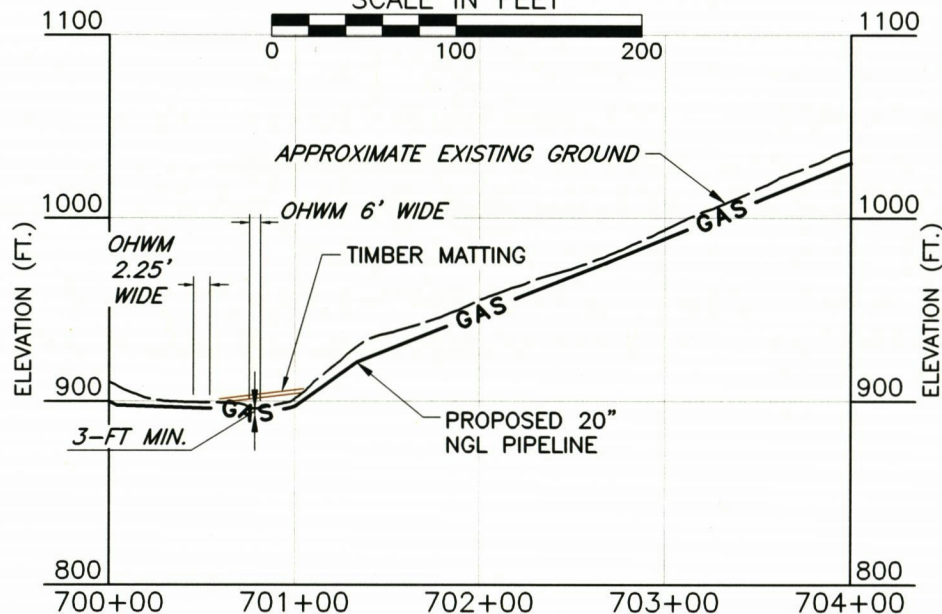


NORTH



PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

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SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #28 & 29
UNT-36 (PER) & UNT-37 (EPH)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3BB
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 18 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.421550°, E -80.632622°		
DMS Latitude/Longitude: 39° 25' 17.58" N, -80° 37' 57.44" E		
District: McClellan	Map: 6	Parcel: 32.1
Land Book Description:		
Deed Book Reference: DBV WB19, PG 660		
Tax Map Reference: Tax Map 6		
Existing Buildings/Use of Property: Existing Stream – UNT-38, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 18 of 24

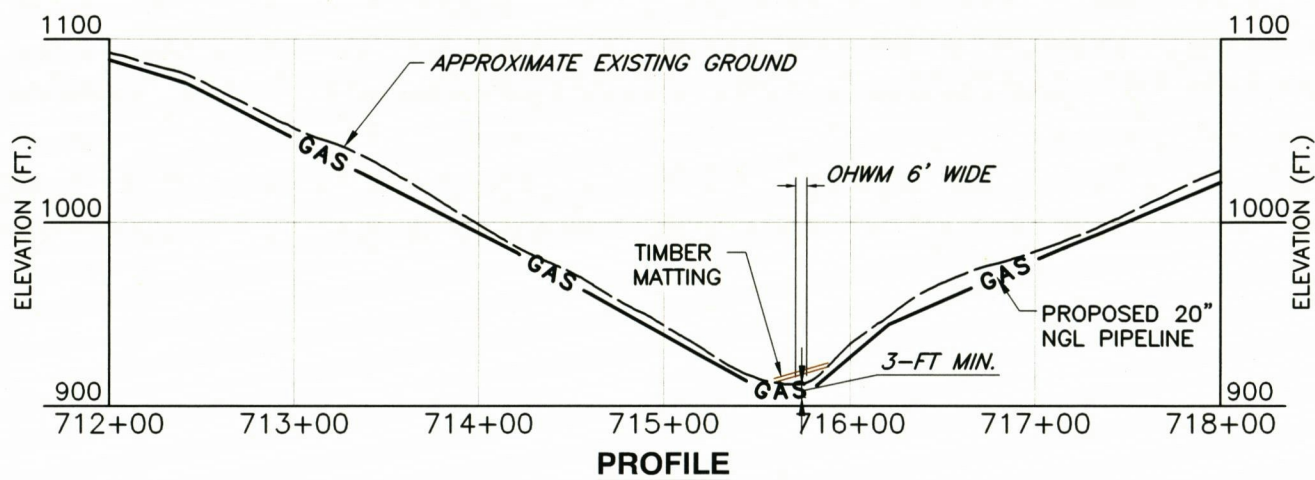
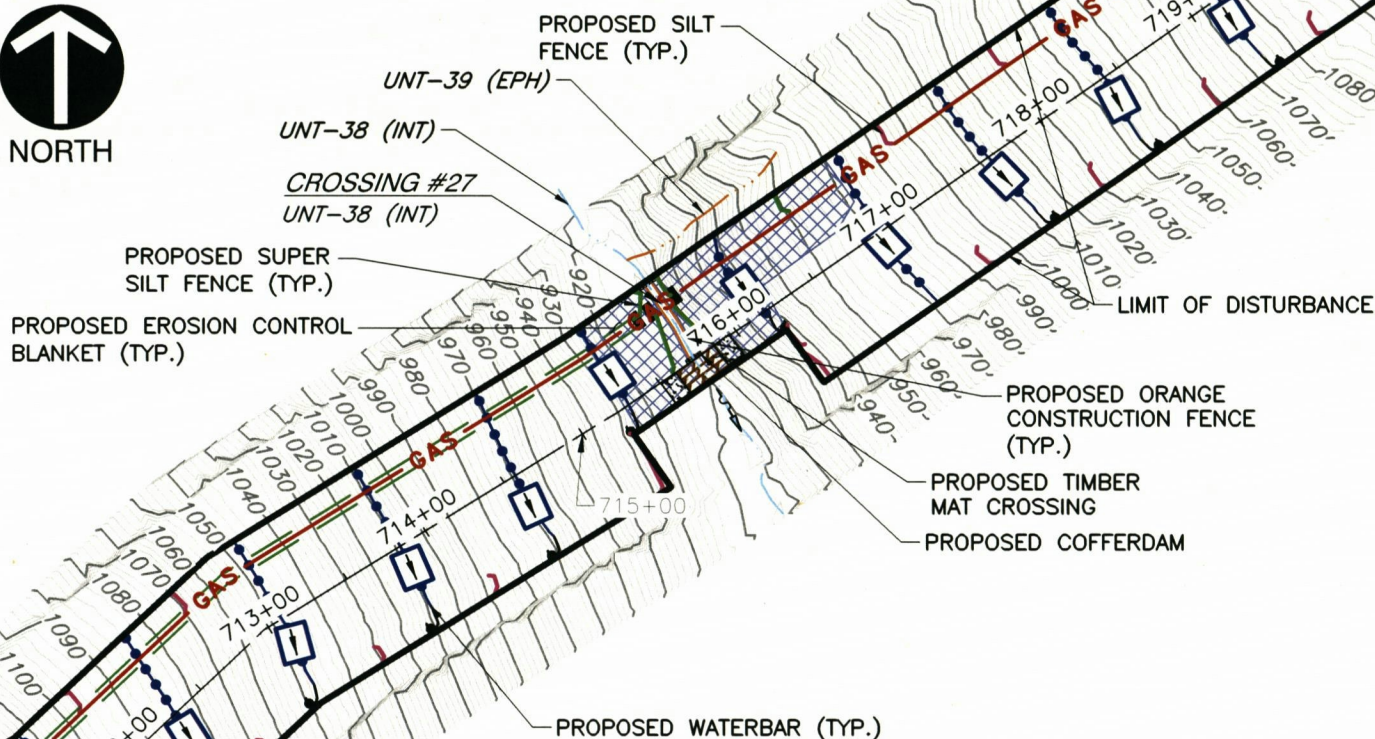
Property Owner Data:		
Name of Primary Owner (PO): Knight Phyllis M		
PO Address: 1682 Argonne Dr		
City: Morrow	State: GA	Zip: 30260
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Knight Phyllis M		
PO Address: 1682 Argonne Rd		
City: Morrow	State: GA	Zip: 30260
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



NORTH



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

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MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #27
UNT-38 (INT)

DRAWN BY:

LKC

CHECKED BY:

ARG

APPROVED BY:

*JK

FIGURE NO.:

DATE:

NOVEMBER 2017

DWG SCALE:

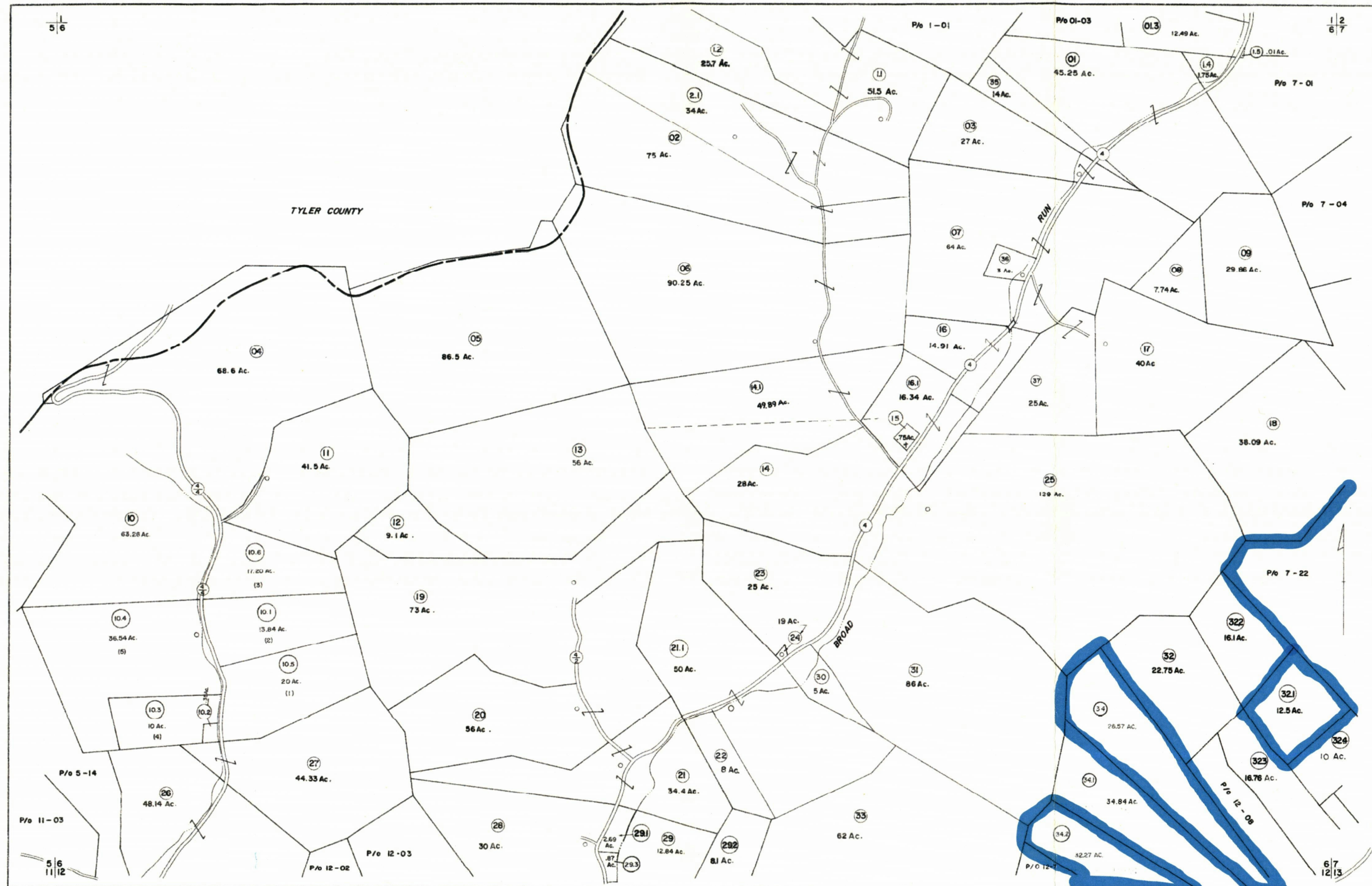
AS SHOWN

PROJECT NO:

171-778-0003

3AA

P:\2017\171-778-CADD\DWG\EC01\171778-EC01-FIG-3-05.dwg[27] LS(2/28/2018 - btomiczek) - LP: 2/28/2018 2:35 PM



Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 19 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.423356°, E -80.627139°		
DMS Latitude/Longitude: 39° 25' 24.08" N, -80° 37' 37.70" E		
District: McClellan	Map: 7	Parcel: 22.0.1
Land Book Description:		
Deed Book Reference: DBV WB33, PG 59		
Tax Map Reference: Tax Map 7		
Existing Buildings/Use of Property: Existing Stream – UNT-40, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 19 of 24

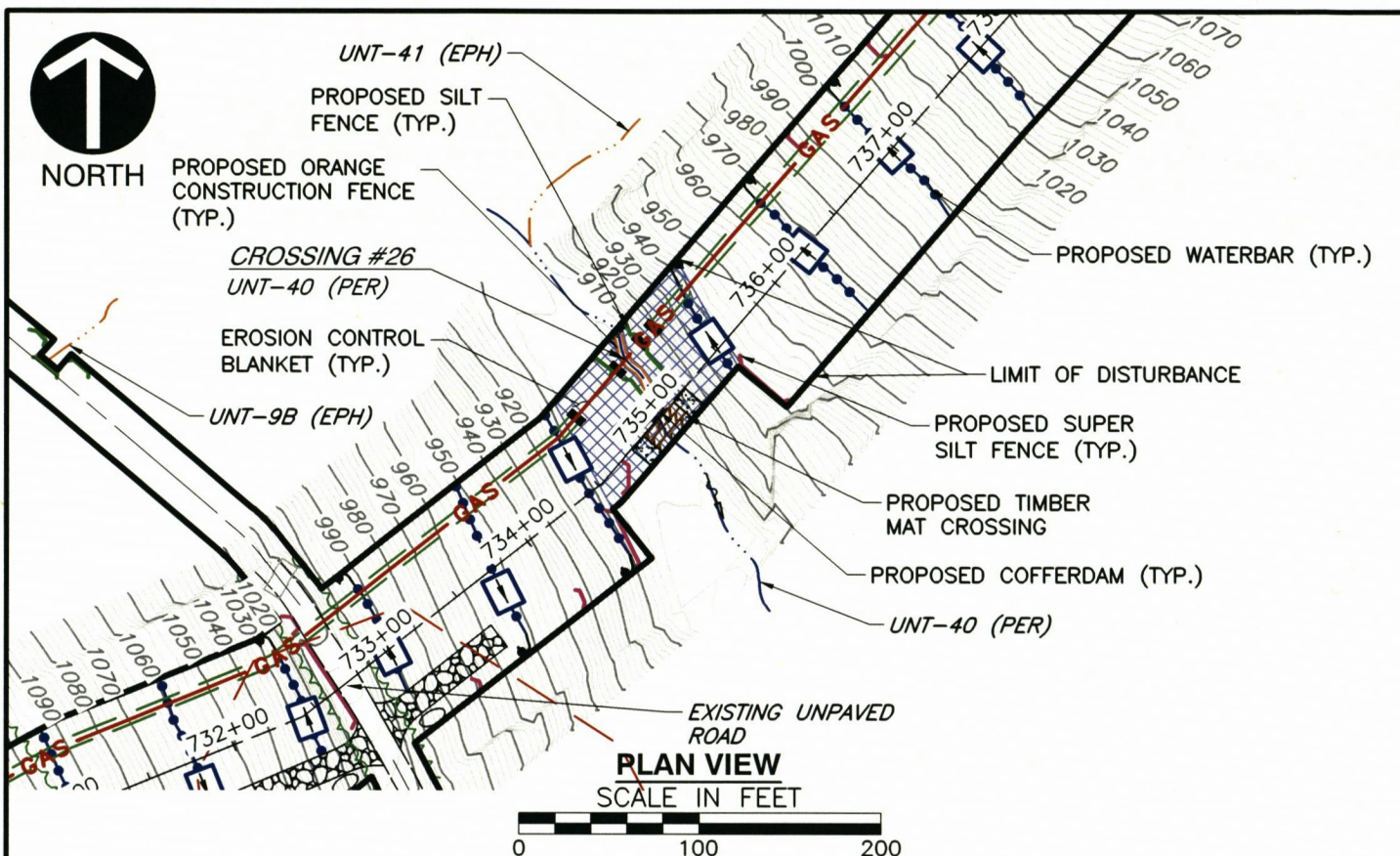
Property Owner Data:		
Name of Primary Owner (PO): Spencer Dennis Eugene		
PO Address: 1469 S 7 th St		
City: Las Vegas	State: NV	Zip: 89104
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Spencer Dennis Eugene		
PO Address: 1469 S 7 th St		
City: Las Vegas	State: NV	Zip: 89104
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

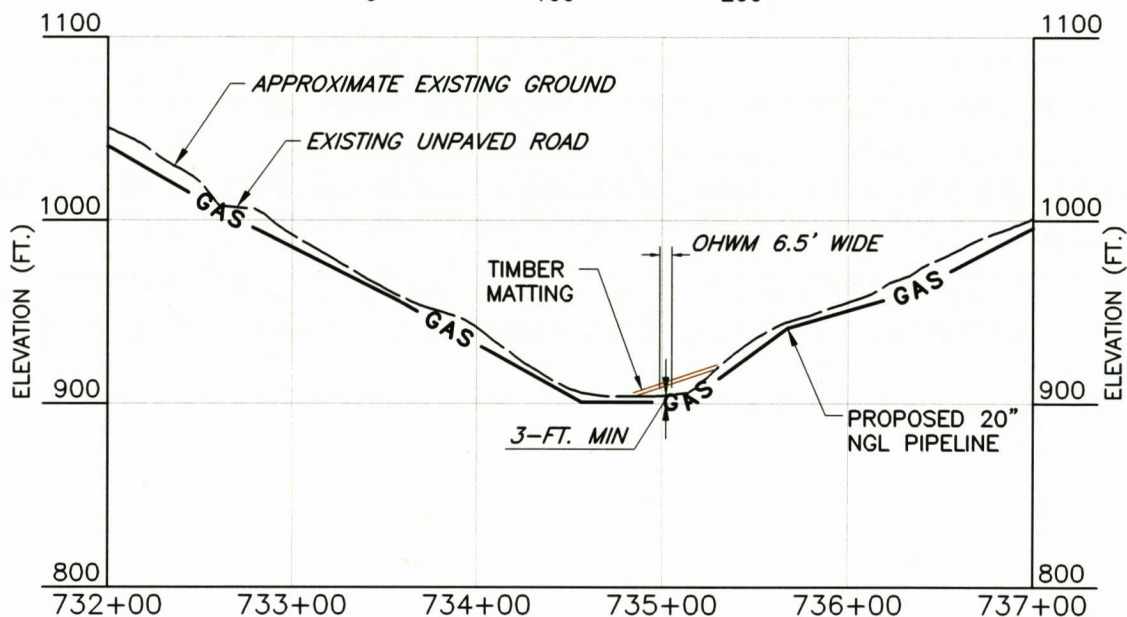


NORTH



PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)

NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

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& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #26
UNT-40 (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3Z
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 20 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.423869°, E -80.621658°		
DMS Latitude/Longitude: 39° 25' 25.93" N, -80° 37' 17.97" E		
District: McClellan	Map: 7	Parcel: 24
Land Book Description:		
Deed Book Reference: DBV WB37, PG 674		
Tax Map Reference: Tax Map 7		
Existing Buildings/Use of Property: Existing Stream – Franks Run, and UNT-42, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

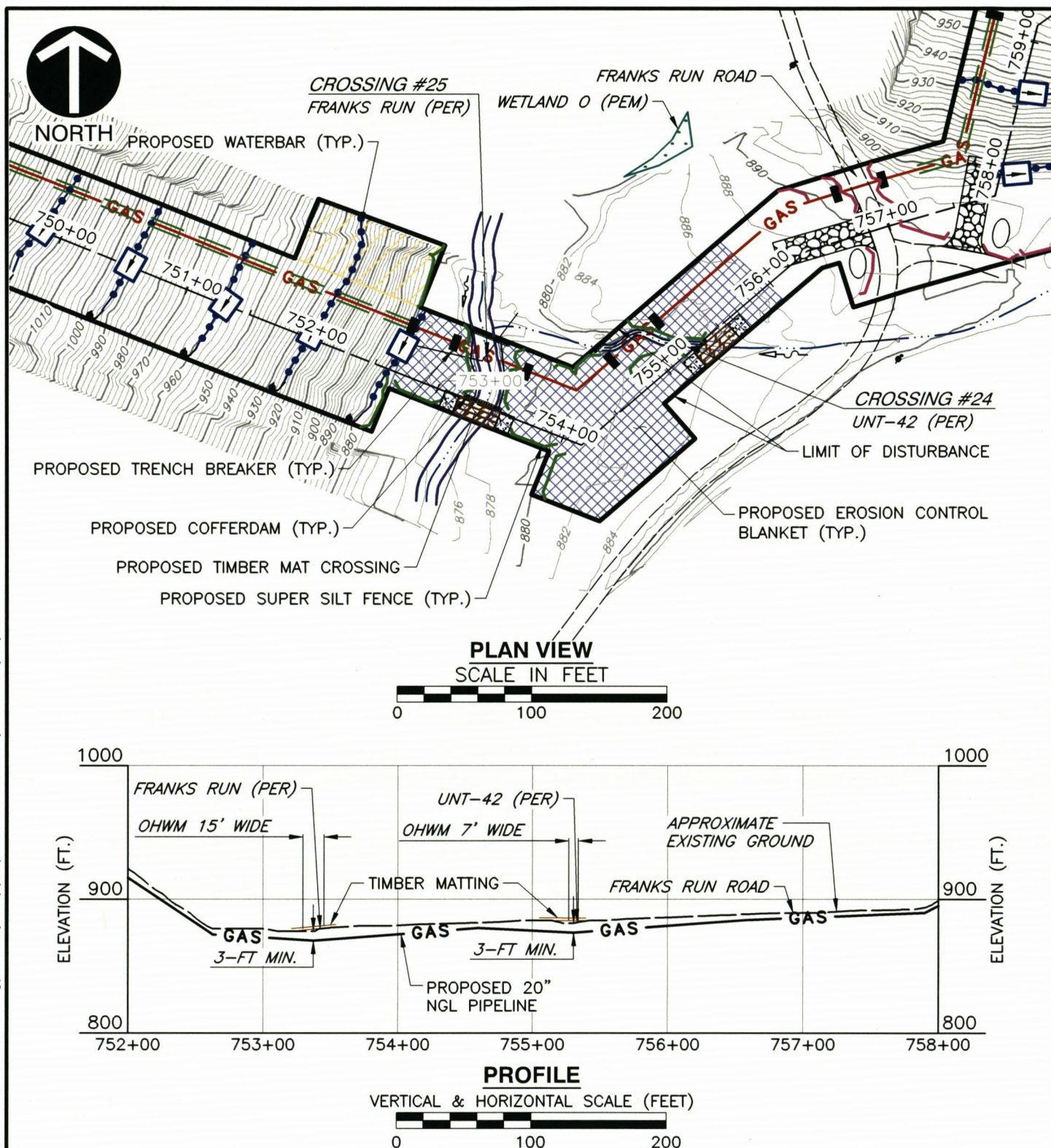
Property Designation: 20 of 24

Property Owner Data:		
Name of Primary Owner (PO): Coffindaffer Mark J & Diana Coffindaffer Esteve		
PO Address: 77 President Dr		
City: Lost Creek	State: WV	Zip: 26385
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Coffindaffer Mark J & Diana Coffindaffer Esteve		
PO Address: 77 President Dr		
City: Lost Creek	State: WV	Zip: 26385
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

P:\2017\171-778\CAD\DWG\EC01\171778-EC01-FIG-3-02.dwg[24 -25] LS:(2/28/2018 - btomiczek) - LP: 2/28/2018 1:39 PM



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #24 -25
UNT-42 (PER) & FRANKS RUN (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003	3F

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 21 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.431633°, E -80.618214°		
DMS Latitude/Longitude: 39° 25' 53.88" N, -80° 37' 05.57" E		
District: McClellan	Map: 7	Parcel: 15.1
Land Book Description:		
Deed Book Reference: DBV 279, PG 55		
Tax Map Reference: Tax Map 7		
Existing Buildings/Use of Property: Existing Stream – UNT-133, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 21 of 24

Property Owner Data:		
Name of Primary Owner (PO): Stonebreaker Everett ET AL		
PO Address: 546 Jack Run Rd		
City: Lumberport	State: WV	Zip: 26386
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Stonebreaker Everett ET AL		
PO Address: 546 Jack Run Rd		
City: Lumberport	State: WV	Zip: 26386
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



NORTH

PROPOSED ROCK CONSTRUCTION
ENTRANCE (TYP.)

PROPOSED ORANGE CONSTRUCTION
FENCE (TYP.)

PROPOSED TRENCH
BREAKER (TYP.)

PROPOSED WATERBAR (TYP.)

EROSION CONTROL
BLANKET (TYP.)

PROPOSED
SUPER SILT
FENCE (TYP.)

CROSSING #23
UNT-133 (INT)

PROPOSED COFFERDAM
(TYP.)

PROPOSED TIMBER
MAT CROSSING

EXISTING STRUCTURE

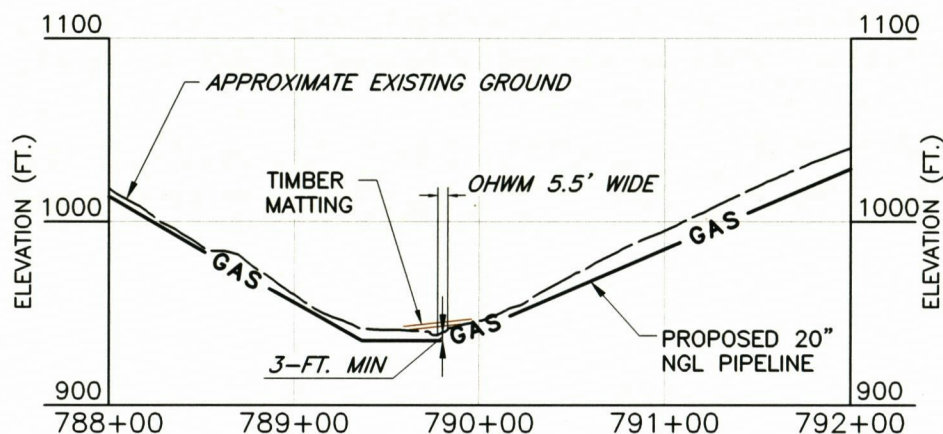
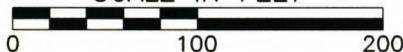
PROPOSED SILT
FENCE (TYP.)

UNT-132 (EPH)

LIMIT OF DISTURBANCE

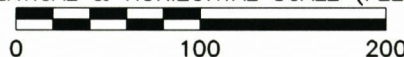
PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

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SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #23
UNT-133 (INT)

DRAWN BY:

LKC

CHECKED BY:

ARG

APPROVED BY:

*JK

FIGURE NO.:

DATE:

NOVEMBER 2017

DWG SCALE:

AS SHOWN

PROJECT NO:

171-778-0003

3Y

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 22 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 6		
Decimal Latitude/Longitude: N 39.434025°, E -80.614964°		
DMS Latitude/Longitude: 39° 26' 02.49" N, -80° 36' 53.87" E		
District: McClellan	Map: 7	Parcel: 6
Land Book Description:		
Deed Book Reference: DBV 303, PG 196		
Tax Map Reference: Tax Map 7		
Existing Buildings/Use of Property: Existing Stream – UNT-44, and UNT-136, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 22 of 24

Property Owner Data:

Name of Primary Owner (PO): Starkey Lewis C

PO Address: 9852 Konrad Kohl Rd NW

City: Bolivar

State: OH

Zip: 44612

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:

Surface Rights Owner Data:

Name of Primary Owner (PO): Starkey Lewis C

PO Address: 9852 Konrad Kohl Rd NW

City: Bolivar

State: OH

Zip: 44612

PO Primary Phone:

PO Secondary Phone:

PO Primary Email:

Mineral Rights Owner Data: (As Applicable)

Name of Primary Owner (PO): N/A

PO Address:

City:

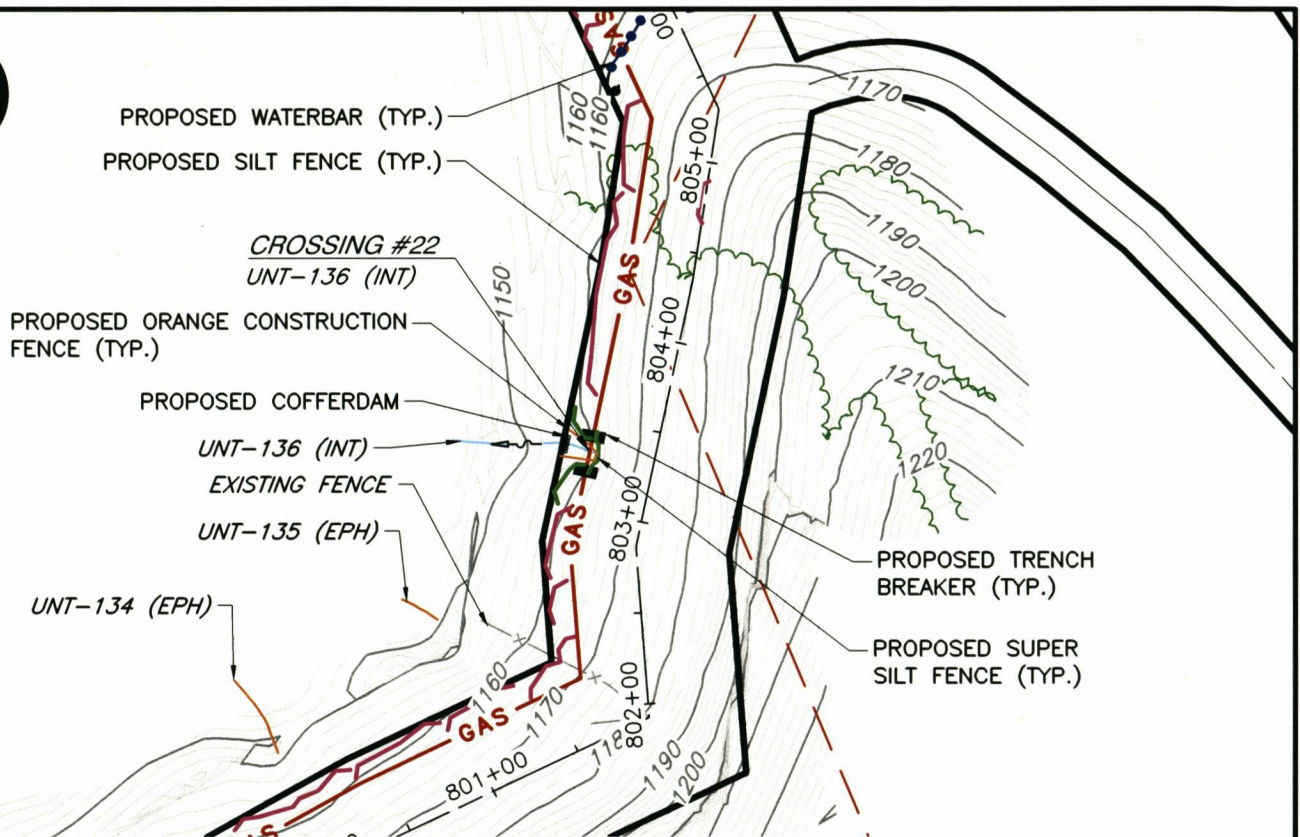
State:

Zip:

PO Primary Phone:

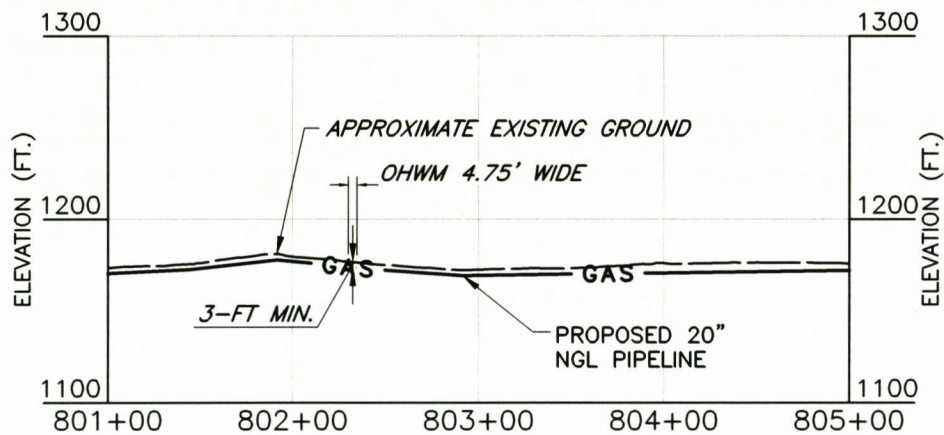
PO Secondary Phone:

PO Primary Email:



PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



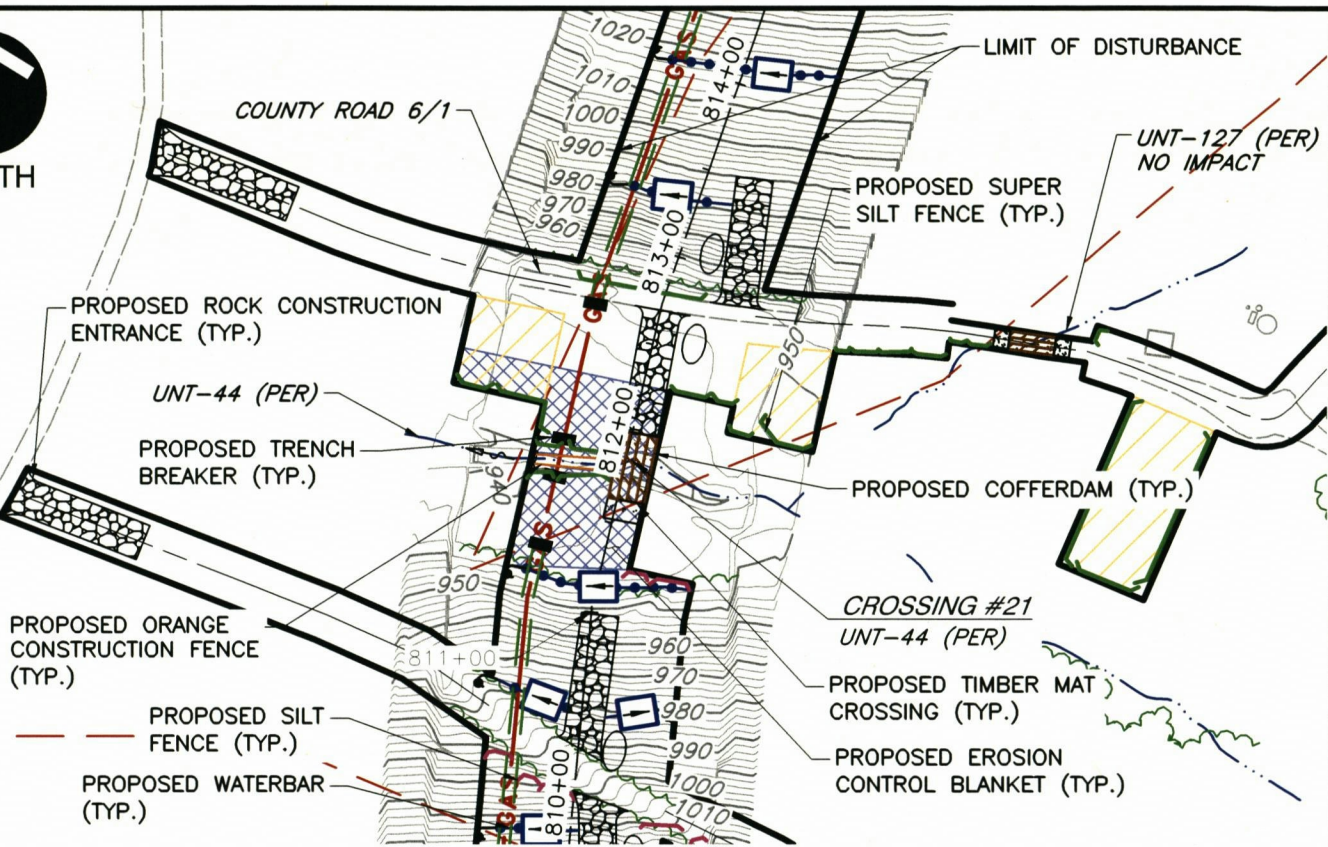
Civil & Environmental Consultants, Inc.

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Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

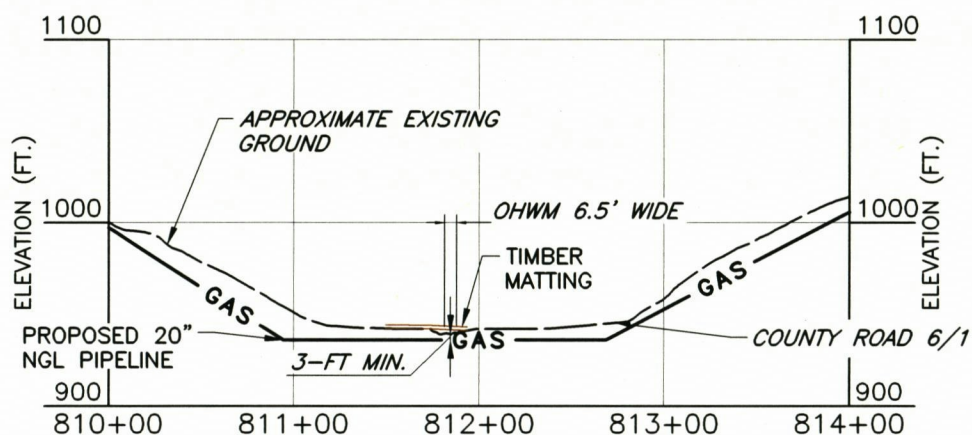
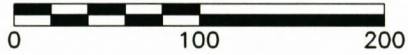
MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSING #22
UNT-136 (INT)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3X
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

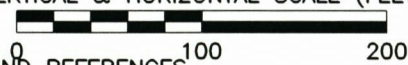


PLAN VIEW
SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES. *HAND SIGNATURE ON FILE



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& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA
CROSSING #21
UNT-44 (PER)

DRAWN BY:	LKC	CHECKED BY:	ARG	APPROVED BY:	*JK	FIGURE NO.:	3W
DATE:	NOVEMBER 2017	DWG SCALE:	AS SHOWN	PROJECT NO:	171-778-0003		

P:\2017\171-778\CADD\DWG\EC01\171778-EC01-FIG-3-04.dwg[21] LS:(2/28/2018 - btomiczek) - LP: 2/28/2018 2:51 PM

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 23 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 12		
Decimal Latitude/Longitude: N 39.438633°, E -80.602825°		
DMS Latitude/Longitude: 39° 26' 19.08" N, -80° 36' 10.17" E		
District: McClellan	Map: 7	Parcel: 7
Land Book Description:		
Deed Book Reference: DBV 259, PG 522		
Tax Map Reference: Tax Map 7		
Existing Buildings/Use of Property: Existing Stream – UNT-21, Existing Woods, Existing Meadow		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

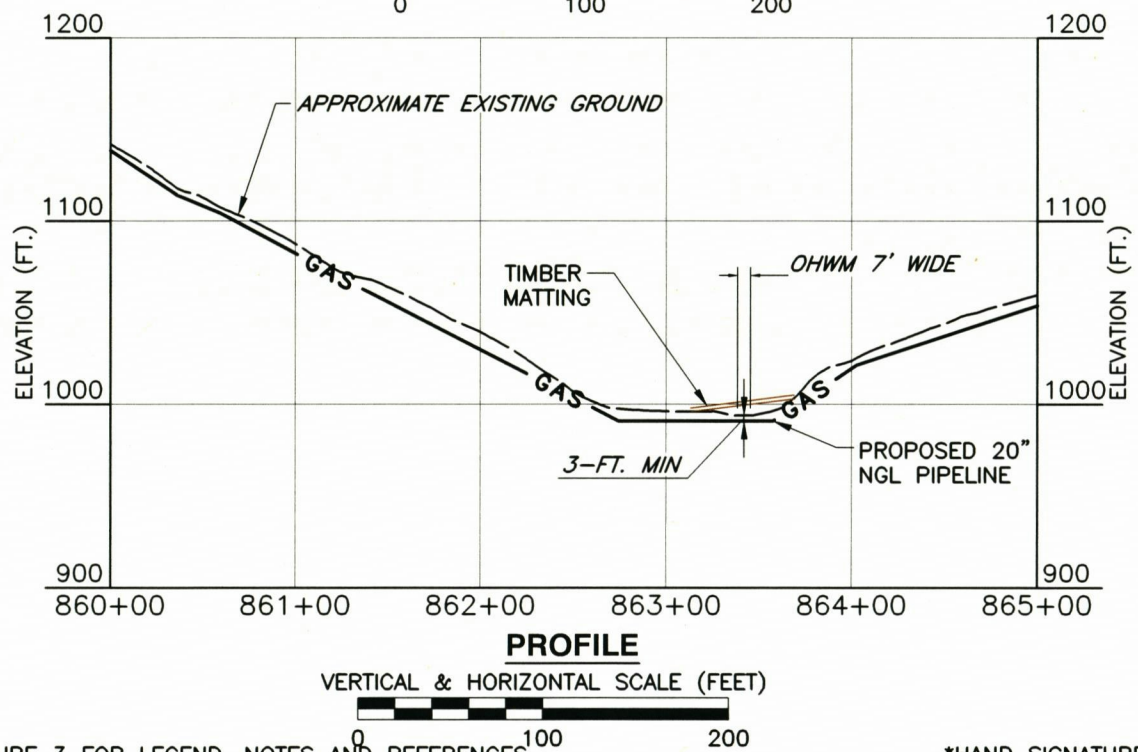
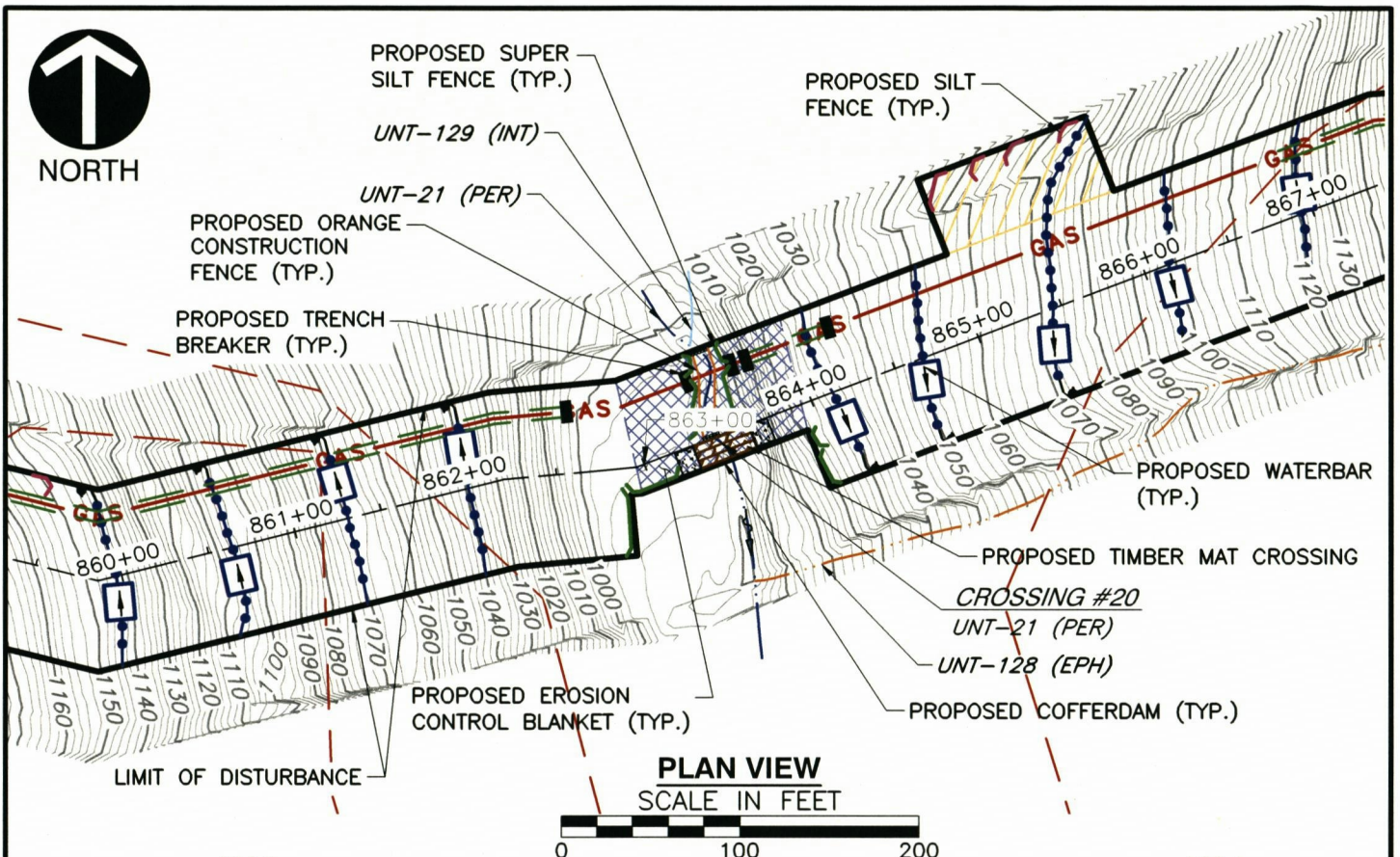
Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: 23 of 24

Property Owner Data:		
Name of Primary Owner (PO): Coastal Forest Resources DBA		
PO Address: P.O. Box 709		
City: Buckhannon	State: WV	Zip: 26201
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Surface Rights Owner Data:		
Name of Primary Owner (PO): Coastal Forest Resources DBA		
PO Address: P.O. Box 709		
City: Buckhannon	State: WV	Zip: 26201
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES. *HAND SIGNATURE ON FILE

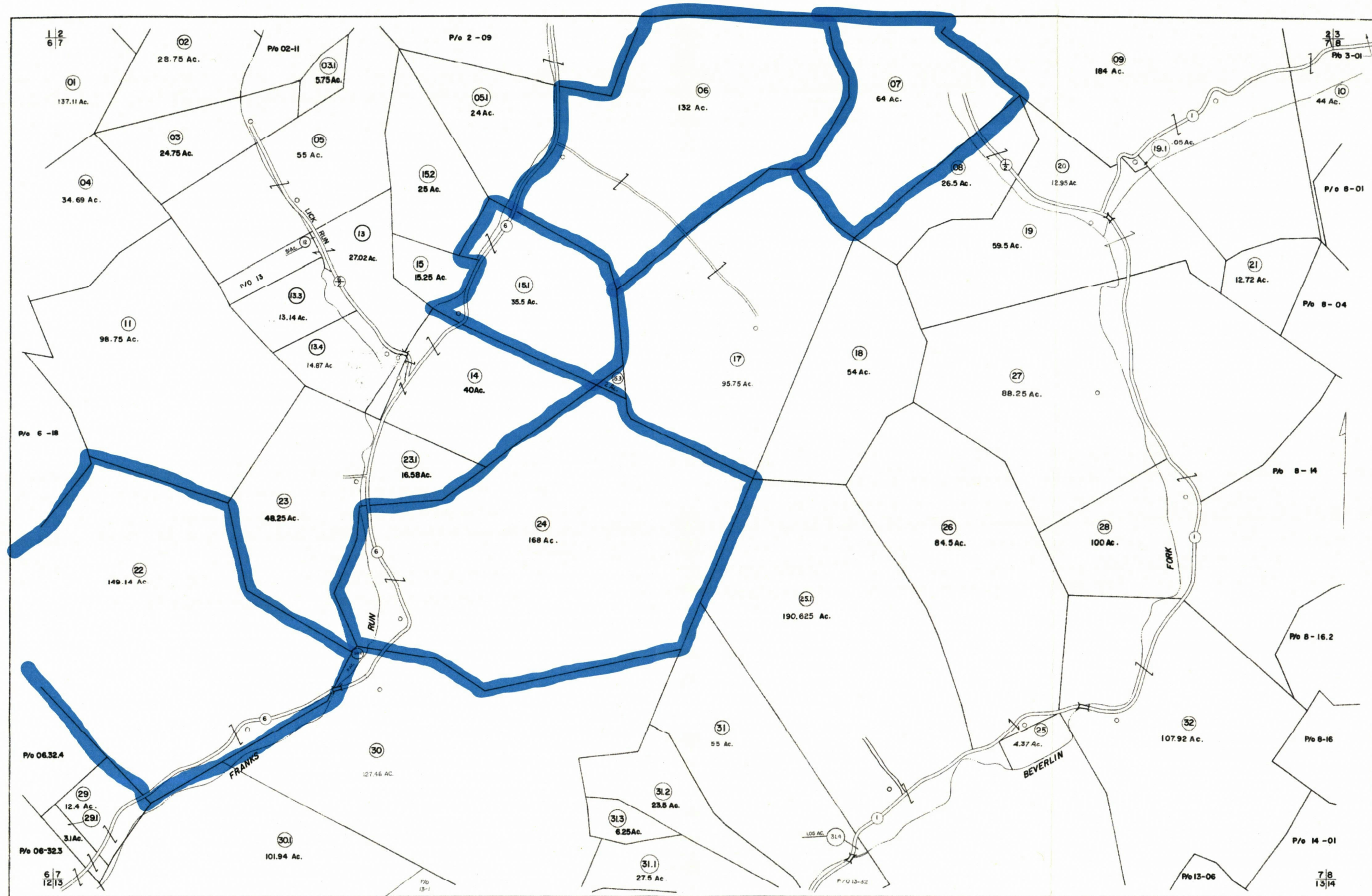


Civil & Environmental Consultants, Inc.
600 Marketplace Ave · Suite 200 · Bridgeport, WV 26330
Ph: 304.933.3119 · Fax: 304.933.3327
www.cecinc.com

**MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC**
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA
CROSSING #20
UNT-21 (PER)

DRAWN BY: LKC	CHECKED BY: ARG	APPROVED BY: *JK	FIGURE NO.: 3V
DATE: NOVEMBER 2017	DWG SCALE: AS SHOWN	PROJECT NO: 171-778-0003	

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Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Development Site/Property Information:

Please provide physical description of the site/property, along with pertinent ownership (surface and mineral rights) data as applicable. Attach appropriate maps from the WV Flood Tool showing location of proposed development. Use additional copies of this page if development spans multiple property boundaries. Designate each property by number (i.e. Property 1 of 1, Property 2 of 7, etc.)

Property Designation: 24 of 24

Site/Property Information:		
Legal Description: See Tax Parcel Map for Location		
Physical Address/911 Address: County Route 1		
Decimal Latitude/Longitude: N 39.444828°, E -80.585958°		
DMS Latitude/Longitude: 39° 26' 41.38" N, -80° 35' 09.45" E		
District: McClellan	Map: 3	Parcel: 2
Land Book Description:		
Deed Book Reference: DBV 177, PG 38		
Tax Map Reference: Tax Map 3		
Existing Buildings/Use of Property:, Existing Stream – UNT-81, Existing Woods, Existing		

Floodplain Location Data: (to be completed by Floodplain Manager or designee)			
Community:	Number:	Panel:	Suffix:
Location (Lat/Long):		Approximate Elevation:	
		Estimated BFE:	
Is the development in the floodway? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the development in the floodplain? <input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Property Owner Data:

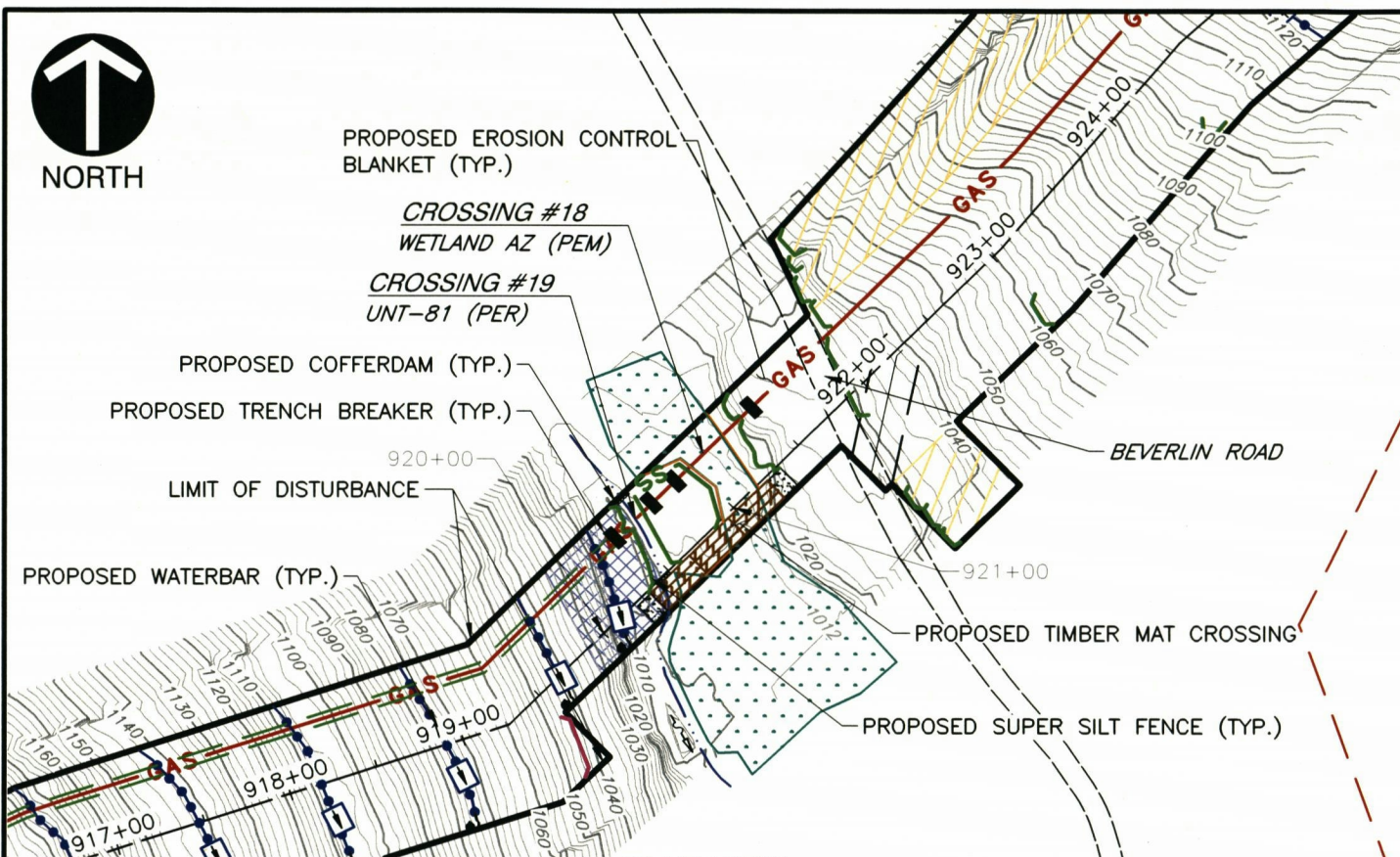
Please provide data on current site/property landowner(s), both surface and mineral rights (as applicable). Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: <u>24</u> of <u>24</u>
--

Property Owner Data:		
Name of Primary Owner (PO): Minor Garland E ET AL		
PO Address: 112 Orchard Ln		
City: Wellsburg	State: WV	Zip: 26070
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

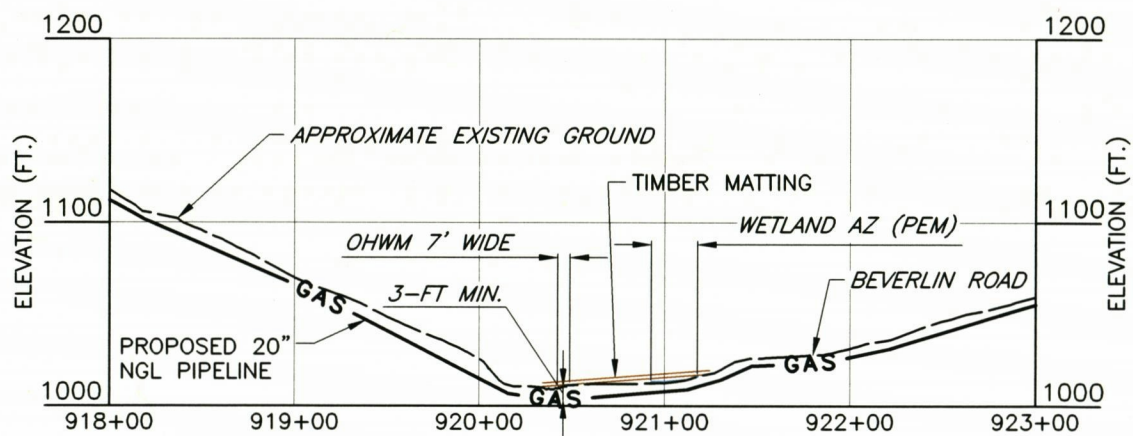
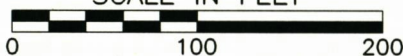
Surface Rights Owner Data:		
Name of Primary Owner (PO): Minor Garland E ET AL		
PO Address: 112 Orchard Ln		
City: Wellsburg	State: WV	Zip: 26070
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Mineral Rights Owner Data: (As Applicable)		
Name of Primary Owner (PO): N/A		
PO Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		



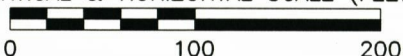
PLAN VIEW

SCALE IN FEET



PROFILE

VERTICAL & HORIZONTAL SCALE (FEET)



NOTE: SEE FIGURE 3 FOR LEGEND, NOTES AND REFERENCES.

*HAND SIGNATURE ON FILE



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www.cecinc.com

MARKWEST LIBERTY MIDSTREAM
& RESOURCES, LLC
SHERWOOD TO MOBLEY PIPELINE PROJECT
DODDRIDGE COUNTY, WEST VIRGINIA

CROSSINGS #18 - 19
WETLAND AZ (PEM) & UNT-81 (PER)

DRAWN BY:

LKC

CHECKED BY:

ARG

APPROVED BY:

*JK

FIGURE NO.:

DATE:

NOVEMBER 2017

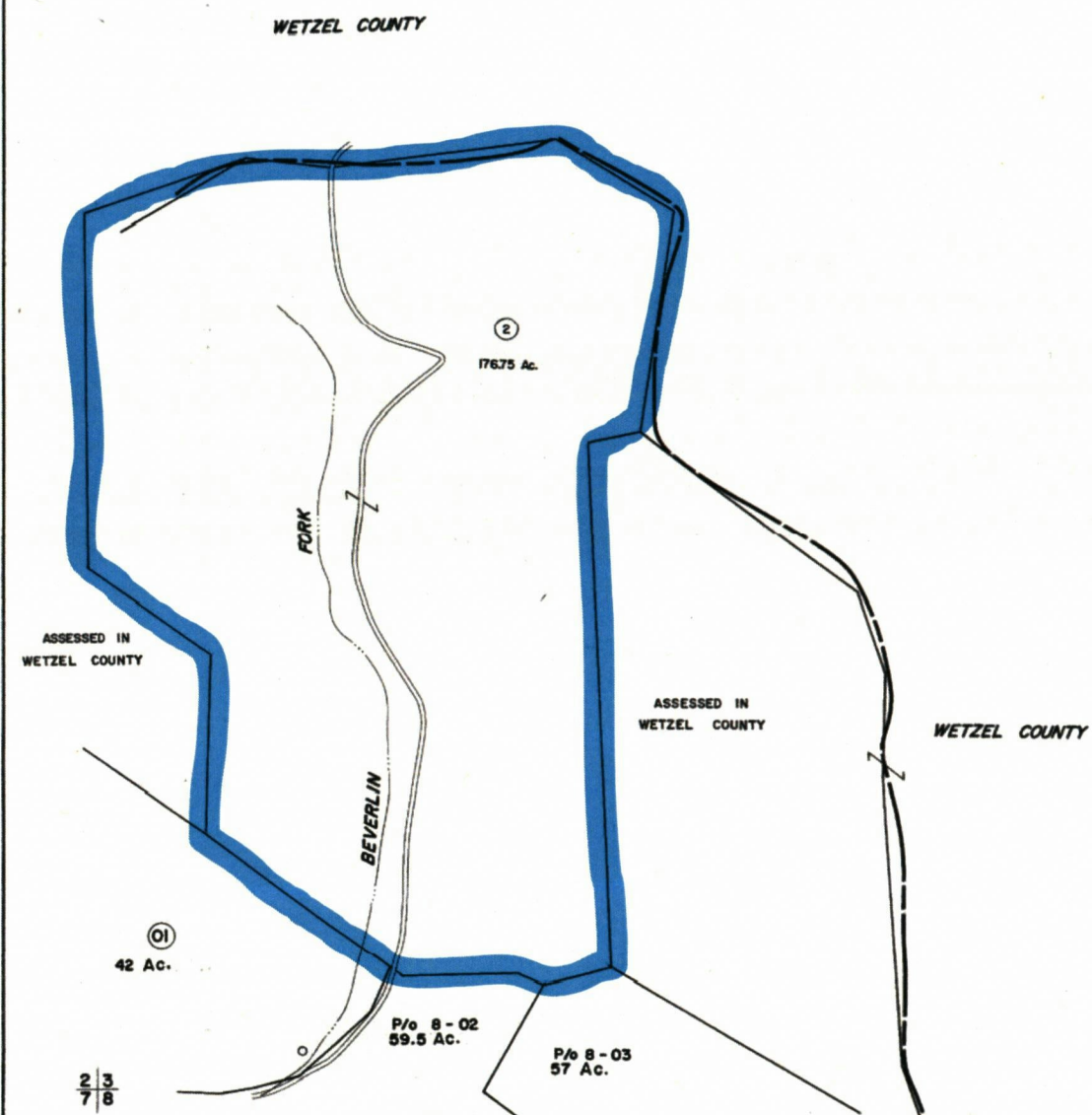
DWG SCALE:

AS SHOWN

PROJECT NO:

171-778-0003

3E



42 Ac.

②

176.75 Ac.

P/o 8 - 02
59.5 Ac.

59.5 Ac.

P/0 8 - 03
57 Ac.

57 Ac.

WETZEL COUNTY

FOR TAX PURPOSES ONLY

Prepared by
L. ROBERT KIMBALL
Consulting Engineer
Ebensburg, Pennsylvania

Legend

Property line	_____	Original lot line	_____
Edge of pavement or roadway	_____	Deed lot number in parenthesis	_____
Corporation line	_____	Parcel or index number in circle	_____
District line	_____	Improvement	_____
County line	_____	Railroad	_____

Original lot line	
Deed lot number	in parenthesis
Parcel or index number	in circle
Improvement	
Railroad	

(15)
99
•

Revisions

1	REVISED T-01 T. Groves	9		17
2	0915 12-21-90 JR	10		18
3		11		19
4		12		20
5		13		21
6		14		22

STATE OF WEST VIRGINIA
DODDRIDGE COUNTY

Office of Assessor

McCLELLAN DISTRICT
SHEET 03

Date, Aerial Photography: APRIL, 1962 Date, Map: SEPT, 1963

Doddridge County Commercial/Industrial
Floodplain Development Permit Application

Contractor Data:

Please provide all pertinent data for contractors and sub---contractors that may be participating in this project. Use additional copies of this page as needed. Designate each page in relation to each property listed above.

Property Designation: <u>1</u> of <u>1</u>		
Contractor/Sub-Contractor (C/SC) Information:		
C/SC Company Name: TO BE DETERMINED		
C/SC WV License Number:		
C/SC FEIN:	C/SC DUNS:	
Local C/SC Point of Contact (POC):		
Local C/SC POC Title:		
C/SC Mailing Address:		
City:	State:	Zip-Code:
Local C/SC Office Phone:		
Local C/SC POC Phone:		
Local C/SC POC E-Mail:		

Engineer Firm Information:		
Engineer Firm Name: Civil & Environmental Consultants, Inc.		
Engineer WV License Number:		
Engineer Firm FEIN: 25-1599565	Engineer Firm DUNS: 36-160-9878	
Engineer Firm Primary Point of Contact (POC): Richard P. Celender		
Engineer Firm Primary POC Title: Vice President		
Engineer Firm Mailing Address: 333 Baldwin Road		
City: Pittsburgh	State: PA	Zip-Code: 15205
Engineer Firm Office Phone: (412) 429-2324		
Engineer Firm Primary POC Phone: (412) 249-2309		
Engineer Firm Primary POC E-Mail: rcelender@cecinc.com		

Adjacent and/or Affected Landowners Data

Please provide data for all adjacent and/or affected surface owners (both up and down stream) whose property may be impacted by proposed development as demonstrated by a floodplain study or survey. Use additional copies of this page as needed.

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): N/A		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Upstream		
Name of Primary Owner (PO): N/A		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): N/A		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Adjacent Property Owner Data: Downstream		
Name of Primary Owner (PO): N/A		
Physical Address:		
City:	State:	Zip:
PO Primary Phone:		
PO Secondary Phone:		
PO Primary Email:		

Site Plan

A Site Plan is an accurate and detailed map of the proposed development for this project. It shows the size, shape, location and special features of the project property, and the size and location of any development planned to the property, especially as that development will impact the floodplain and/or floodway. Site plans show what currently exists on the project property, and any changes or improvements you are proposing to make. **A certified and licensed engineering firm should complete site plans.**

A SITE PLAN MUST CONTAIN THE FOLLOWING INFORMATION:

1. Legal description of the parcel, north arrow and scale
2. All property lines and their dimensions
3. Names of adjacent roads, location of driveways
4. Location of sloughs, tributaries, streams, rivers, wetlands, ponds, and lakes, with setbacks indicated, and including FEMA floodplain data based on most updated FIRM.
5. Location, size, shape of all buildings, existing and proposed, with elevation of lowest floor indicated.
6. Location and dimensions of existing or proposed on-site sewage systems.
7. Location of all propane tanks, fuel tanks or other liquid storage tanks whether above ground or below ground level.
8. Location and dimensions of any proposed pipeline placement(s) into floodplain/floodway.
9. Location and dimensions of any roadway development into floodplain/floodway.
(Includes initial development access roads)
10. Location and dimensions of any bridge and/or culvert development into floodplain/floodway.
11. Location and dimensions of any storage yard or facility into the floodplain/floodway.
12. Location of any existing utilities and/or proposed utility placement and/or displacement.
13. Location, dimensions and depth of any existing or proposed fill on site.
14. A survey showing the **existing ground elevations** of at least location on the building site. **ELEVATION NOTE:** All vertical datum will reference either NGVD 29 or NAVD 88. Assumed datum will not be acceptable unless the property is located in an area where vertical datum has not been published. For those areas where vertical datum has not been established, a site plan with contours, elevations using assumed datum, high water marks and existing water levels of sloughs, rivers, lakes or streams and proposed lowest floor elevation.

Applicant

Please read print name, sign and date below:

- I certify that I am authorized to submit this application for the primary project developer.
- I certify that the information included in this application is to the best of my knowledge true and complete.
- I certify that all required Federal, State, and local permits required by law and/or ordinance for the above described development of this project have been properly attained, are current and valid, and must be presented with this application before a Doddridge County Floodplain Permit may be issued.
- I understand that if in the course of the development project additional permits become required that were not needed during the initial proposal, the primary developer must notify the Doddridge County Floodplain Manager within 48 hours of such need, and that a "Stop Work" order may be issued for all project work directly impacting the floodplain or floodway, until such time the required additional permits are acquired.
- I understand that once the floodplain permit is submitted, the application will be entered into official public record at the next regularly scheduled Doddridge County Commission meeting after the date of submittal.
- I understand that from the date of submittal of the fully completed permit application, the Doddridge County Floodplain Manager has ninety (90) days to make a determination to either grant or deny said permit application. During this approval period, the Doddridge County Floodplain Manager may, at his or her discretion, conduct a review and/or additional study of provided documentation by means of an independent engineering firm. All costs associated with said review and/or study must be reimbursed to the County before issuance of approved permit.
- I understand that during the approval period, the Doddridge County Floodplain Manager or designee may at his or her discretion conduct site visits and document conditions of proposed development pursuant to the permit application.
- I understand that once the Floodplain Permit is granted, the permit will be entered into official public record at the next scheduled Doddridge County Commission meeting after the date of issuance. Appeals to the permit may be made no later than twenty (20) days after said issuance. If a valid appeal is submitted, as determined by the Doddridge County Floodplain Manager, a "Stop Work" order will be issued for all project development directly involving the floodplain or floodway. A public hearing by the Doddridge County Appeals Board will be scheduled no less than ten (10) days after the next regularly scheduled Doddridge County Commission meeting.
- I understand that all decisions of the Doddridge County Appeals Board shall be final.
- **I understand issuance of a Floodplain Permit authorizes me to proceed with construction as proposed. A Certificate of Compliance is required upon substantial completion of the project.**
- In signing this application, the primary developer hereby grants the Doddridge County Floodplain Manager or designee the right to enter onto the above-described location to inspect the development work proposed, in progress, and/or completed.
- I understand that if I do not follow exactly the site-plan submitted and approved by this permit that a "Stop Work" order may be issued by the Doddridge County Floodplain Manager and that I must stop all construction immediately until discrepancies of actual work vs. proposed work is resolved.

Applicant Signature: _____

Date: 4-25-19

Applicant Printed Name: Richard Lowry

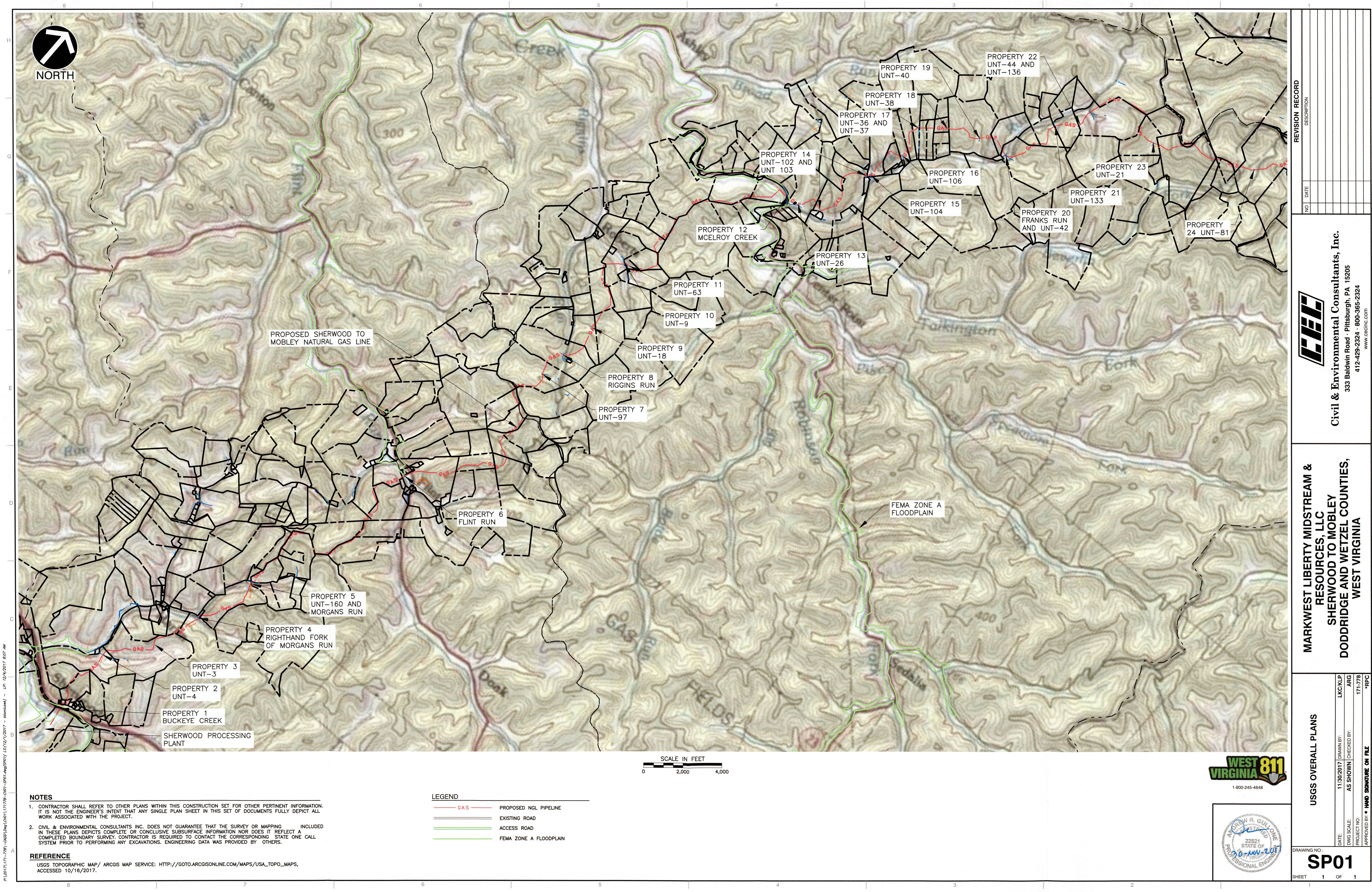
Sherwood to Mobley - Doddridge County, WV

Opinion of Probable Construction Costs - Construction in the Floodplain

Project #: 171-778

4/25/2019

Item	Total Cost
R/W Repairs/Maintenance	\$75,000



NOTES

1. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION. IT IS NOT THE ENGINEER'S INTENT THAT ANY SINGLE PLAN SHEET IN THIS SET OF DOCUMENTS FULLY DEPICT ALL WORK ASSOCIATED WITH THE PROJECT.

2. CIVIL & ENVIRONMENTAL CONSULTANTS INC. DOES NOT GUARANTEE THAT THE SURVEY OR MAPPING INCLUDED IN THESE PLANS DEPICTS COMPLETE OR CONCLUSIVE SUBSURFACE INFORMATION NOR DOES IT REFLECT A COMPLETED BOUNDARY SURVEY. CONTRACTOR IS REQUIRED TO CONTACT THE CORRESPONDING STATE ONE CALL SYSTEM PRIOR TO PERFORMING ANY EXCAVATIONS. ENGINEERING DATA WAS PROVIDED BY OTHERS.

REFERENCE

USGS TOPOGRAPHIC MAP/ ARCGIS MAP SERVICE: [HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS](http://GOTO.ARCGISONLINE.COM/MAPS/USA_TOPO_MAPS),
ACCESSED 10/16/2017.

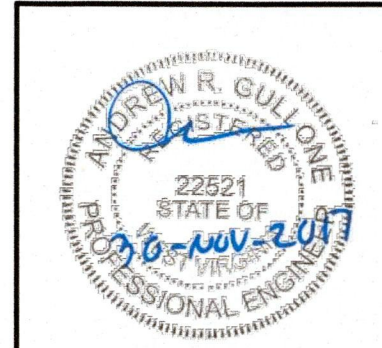
LEGEND

— GAS — PROPOSED NGL PIPELINE

— EXISTING ROAD

— ACCESS ROAD

— FEMA ZONE A FLOODPLAIN



MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
SHERWOOD TO MOBLEY
DODDRIDGE AND WETZEL COUNTIES,
WEST VIRGINIA

Civil & Environmental Consultants, Inc.
333 Baldwin Road · Pittsburgh, PA 15205
412-425-2324 · 800-365-2324
www.ccecinc.com

USGS OVERALL PLANS

DRAWING NO.:
SP01
SHEET 1 OF 1

REVISION RECORD

NO	DATE	DESCRIPTION

P:\2017\171-778\1-2017\171778-001-SP01.dwg [SP01] 12/12/2017 - 12/12/2017 - 12/12/2017 8:07 AM

The Doddridge Independent

The Doddridge Independent PUBLISHER'S CERTIFICATE

I, Michael D. Zorn, Publisher of The
Doddridge Independent, A newspaper of
general circulation published in the town
of West Union, Doddridge County,
West Virginia, do hereby certify that:

Please take notice that on the (30th) of (April), 2020, (Mark West Energy) filed an application for a Floodplain Permit (#19-549) to develop land located at or about (Buckeye Creek/McElroy Creek); Coordinates: 39.278330N, -80.684775W/ 39.399648N, -80.647173W. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 298 Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested

was published in The Doddridge Independent
2 times commencing on Friday, May 3, 2019 and
Ending on Friday, May 10, 2019 at the request of:


**George Eidel, Floodplain Manager
Doddridge County Commission**

Given under my hand this Friday, May 10, 2019

The publisher's fee for said publication is:

\$ 33.28 1st Run/\$ 24.96 Subsequent Runs

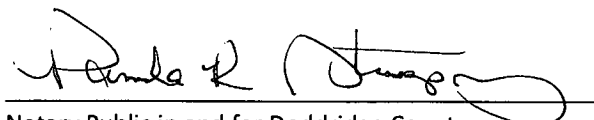
This Legal Ad Total: \$ 58.24



Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on

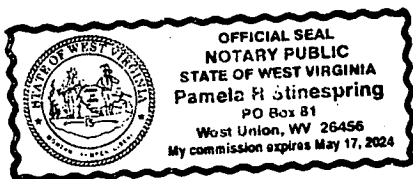
this date: 5/10/19



Notary Public in and for Doddridge County

My Commission expires on

The 17th day of May 202021



Floodplain Public Notice • Legal Notice

Please take notice that on the (30th) of (April), 2020, (Mark West Energy) filed an application for a Floodplain Permit (#19-549) to develop land located at or about (Buckeye Creek/McElroy Creek); Coordinates: 39.278330N, -80.684775W/ 39.399648N, -80.647173W. The Application is on file with the Floodplain Manager of the County and may be inspected or copied during regular business hours in accordance to WV Code Chapter 298 Freedom of Information, Article 1 Public Records and county policy and procedures. Any interested persons who desire to comment shall present the same in writing by (May 27, 2019) (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Floodplain Manager of the County at 105 Court Street, Suite #3, West Union, WV 26456. This project is a renewal of permit #18-505 Sherwood to Mobley NGL pipeline to complete right of way repairs and maintenance.

C2 5/03 - 5/10