



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: #18-513

Date Approved: June 25, 2018

Expires: June 25, 2019

Issued to: Mark West Liberty Midstream

POC: Richard Lowry

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

Project Address: 218 Swisher Lane West Union

Firm: 54017C0145C

Lat/Long: 39.275688N, -80.687945W

Purpose of Development: Land Development, Renewal

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

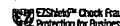
Date: June 25, 2018

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

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

333 BALDWIN ROAD
PITTSBURGH, PA 15205
(412) 429-2324

PNC BANK, N.A.
Pittsburgh, PA



8-9/430

CHECK DATE 5/10/2018

COPY

COPY

PAY Thirteen Thousand Sixty and 00/100 Dollars

TO Doddridge County Commission

COPY

AMOUNT 13,060.00

COPY

[Handwritten Signature]
AUTHORIZED SIGNATURE

⑈ 639757 ⑈ ⑆ 043000096 ⑆ 0002272405 ⑈

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

139757

Check Date: 5/10/2018

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
05102018	5/10/2018	000000312892	13,060.00			13,060.00
Doddridge County Commission			TOTAL			13,060.00
- Operating Account	3	11261				

FP# 18-513

COPY

COPY

COPY

MAY21 18 10:26AM



Security features. Details on back.

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

139757

Check Date: 5/10/2018

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
05102018	5/10/2018	000000312892	13,060.00			13,060.00
Doddridge County Commission - Operating Account 3 11261			TOTAL	13,060.00		13,060.00

FP # 18-513

Doddridge County, West Virginia

RECEIPT NO: 926

DATE: 2018/05/21

FROM: CIVIL & ENVIRONMENTAL CONSULTANTS AMOUNT: \$ 13,060.00

THIRTEEN THOUSAND SIXTY DOLLARS AND 00 CENTS

FOR: #18-513 FLOODPLAIN

00000139757 FP-BUILDING PERMITS

020-318

TOTAL: \$13,060.00

MICHAEL HEADLEY
SHERIFF & TREASURER

MEC
CLERK

Customer Copy



FLOODPLAIN PERMIT #17-513

MarkWest 218 Swisher Lane

TASK	COMPLETE (DATE)	NOTES
<i>CHECK RECEIVED</i>	5/21/18	
<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>	6/5/18	
<i>DATE AVAILABLE TO BE GRANTED</i>	6/25/18	
<i>PERMIT GRANTED</i>		
<i>COMPLETE</i>		



Doddridge County Floodplain Permits

(Week of May21, 2018)

Please take notice that on the **21st** day of **May, 2018**, **Civil & Environmental Consultants INC.** on behalf of **Mark West Liberty Midstream & Resources, LLC.** filed an application for a Floodplain Permit (**#18-513**) to develop land located at or about **218 Swisher Lane, Coordinates 39.275688 N,-80.687945 W.** The Application is on file with the Doddridge County Floodplain Manager's Office and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by **June 25, 2018** (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Clerk of the County Court at 108 Court Street Ste. 1, West Union, WV 26456. **This project is a permit renewal for Land Development**



May 16, 2018

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

MAY21 18 10:26AM

Dear Mr. Eidel:

Subject: Floodplain Permit Request
Commercial/Industrial Floodplain Development Permit #15-391
Sherwood Facility Permit Application
Doddridge County, West Virginia
CEC Project 110-811

On behalf of MarkWest Liberty Midstream & Resources, LLC, Civil & Environmental Consultants, Inc. (CEC) is submitting an updated Commercial/Industrial Floodplain Development Permit associated with the Sherwood Facility, located in Doddridge County, West Virginia. Per our phone conversation on May 09, 2018, please find enclosed the following information:

- Permit Application Fee in the amount of \$13,060 (139757); and
- A copy of the Doddridge County Floodplain Development Permit Application (Sherwood).

CEC understands that this enclosed Floodplain Permit Application and Application Fee are required to cover the renewal of the Sherwood permit for one (1) year, upon approval.

Should you have any questions or require additional information, do not hesitate to contact us at 412-429-2324.

Very truly yours,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

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

George Haberman, P.E., R.L.S.
Senior Project Manager

Enclosures

cc: Richard Lowry, MarkWest Liberty Midstream & Resources, LLC

110-811-L-Floodplain Permit-5-16-18/P



Permit# 18-513

Project Name: Sherwood Land Development

Permittees Name: Mark West Liberty

MAY21 10 10:26AM

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. The permit will expire if no work is commenced within six months of issuance.
5. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
6. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
7. 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 _____

5/15/18

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 Court, 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): Reno Jackson		
Local PM Primary Phone: (304) 942-8766		
Local PM Secondary Phone:		
Local PM Primary Email: reno.jackson@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 checked="" 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 checked="" 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:

- Fill Mining Drilling 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 3

Site/Property Information:		
Legal Description: See Attachment		
Physical Address/911 Address: Swisher Lane		
Decimal Latitude/Longitude: N 39.27744508°/E -80.69008442°		
DMS Latitude/Longitude: N 39° 16' 38.80"/E -80° 41' 24.30"		
District: Grant	Map: 19	Parcel: 31.6
Land Book Description:		
Deed Book Reference: DBV 346, PG. 457		
Tax Map Reference: Tax Map 19		
Existing Buildings/Use of Property: Existing gas processing facility, meadow, stream		

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?	
<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

PROPERTY DESCRIPTION
5.758 ACRES
GRANT DISTRICT, COUNTY OF DODDRIDGE,
STATE OF WEST VIRGINIA

All that certain 5.758 acres of land situate in the Grant District, County of Doddridge, State of West Virginia, on the waters of Buckeye Creek, being part of land now or formerly of Dennis H. Powell (second tract), as recorded in Deed Book Volume 200, Page 532, more particularly bounded and described as follows:

BEGINNING FOR REFERENCE at an iron pipe set at the northwest corner of property of now or formerly Billy D. Carroll, as recorded in Deed Book Volume 140, Page 190, said point also being at the northeast corner of property of now or formerly Dennis H. Powell, as recorded in Deed Book Volume 200, Page 532, said point also being on the southerly right of way line of The State of West Virginia, West Virginia Railroad Maintenance Authority, as recorded in Deed book Volume 216, Page 166, variable width; thence along the northerly line of property of now or formerly Dennis H. Powell and along the southerly right of way line of the The State of West Virginia, West Virginia Railroad Maintenance Authority, variable width, the following eighteen (18) courses and distances, viz: thence South 77°19'37" West, 743.13' to an iron pipe set; thence South 55°33'48" West, 40.27' to an iron pipe set; thence South 59°34'48" West, 111.00' to an iron pipe set; thence South 65°43'48" West, 111.00' to an iron pipe set; thence South 67°29'54" West, 34.97' to an iron pipe set; thence North 20°36'12" West, 77.00' to an iron pipe set; thence South 72°53'48" West, 52.00' to an iron pipe set; thence South 77°41'48" West, 103.00' to an iron pipe set; thence South 81°59'48" West, 103.00' to an iron pipe set; thence South 86°58'48" West, 103.00' to an iron pipe set; thence North 84°41'12" West, 103.00' to an iron pipe set; thence North 81°03'12" West, 103.00' to an iron pipe set; thence North 74°31'12" West, 103.00' to an iron pipe set; thence North 69°06'12" West, 103.00' to an iron pipe set; thence North 62°17'12" West, 103.00' to an iron pipe set; thence North 57°06'12" West, 103.00' to an iron pipe set; thence North 52°46'12" West, 103.00' to an iron pipe set; thence North 48°29'12" West, 2.54' to an iron pipe set on the northerly line of property of now or formerly Dennis H. Powell, being the **TRUE PLACE OF BEGINNING**; thence through the property of now or formerly Dennis H. Powell the following three (3) courses and distances, viz: South 41°30'48" West, 285.00' to an iron pipe set; thence North 48°29'12" West, 880.00' to an iron pipe set (iron pipe set at 440.00') ; thence North 41°30'48" East, 285.00' to an iron pipe set on the southerly right of way line of The State of West Virginia, West Virginia Railroad Maintenance Authority, variable width; thence along the southerly right of way line of The State of West Virginia, West Virginia Railroad Maintenance Authority, variable width, South 48°29'12" East, 880.00' to an iron pipe set at the true place of beginning.

Contains: 250,800.00 Sq. Ft. or 5.758 Acres.

EXCEPTING AND RESERVING a Permanent Channel Change Easement located in Deed Book 156, Page 206, and a Telephone Utility Easement located in Deed Book 130, Page 410.

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 3

Site/Property Information:		
Legal Description: See Attachment – A portion of the D&M Powell LLC Property was recently purchased by MarkWest Liberty Midstream & Resources, LLC as part of Parcel 32. The Tax Map has not been updated.		
Physical Address/911 Address: Swisher Lane		
Decimal Latitude/Longitude: N 39.27744508°/E -80.69008442°		
DMS Latitude/Longitude: N 39° 16' 38.80"/E -80° 41' 24.30"		
District: Grant	Map: 19	Parcel: 31
Land Book Description:		
Deed Book Reference: DBV 304, PG. 355		
Tax Map Reference: Tax Map 19		
Existing Buildings/Use of Property: Existing gas processing facility, meadow, stream		

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

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 3

Site/Property Information:		
Legal Description: See Attachment – A portion of the D&M Powell LLC Property was recently purchased by MarkWest Liberty Midstream & Resources, LLC as part of Parcel 32. The Tax Map has not been updated.		
Physical Address/911 Address: Swisher Lane		
Decimal Latitude/Longitude: N 39.27744508°/E -80.69008442°		
DMS Latitude/Longitude: N 39° 16' 38.80"/E -80° 41' 24.30"		
District: Grant	Map: 19	Parcel: 32
Land Book Description:		
Deed Book Reference: DBV 346, PG. 457		
Tax Map Reference: Tax Map 19		
Existing Buildings/Use of Property: Existing gas processing facility, meadow, stream		

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?	
<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No Zone: _____	
Notes:			

PROPERTY DESCRIPTION
257.495 ACRES
PARCEL A OF THE
SHERWOOD PLANT CONSOLIDATION PLAN
GRANT DISTRICT, COUNTY OF DODDRIDGE,
STATE OF WEST VIRGINIA

All that certain 257.495 acres, being Parcel A of the Sherwood Plant Consolidation Plan (to be recorded), situate in Grant District, County of Doddridge, State of West Virginia, on the waters of Buckeye Creek, being part of land now or formerly Dennis H. Powell (second & fourth tracts) as recorded in Deed Book Volume 200, Page 532, being more particularly bounded and described as follows:

BEGINNING AT A POINT on an existing stone at the westerly corner of property of now or formerly Dennis H. Powell (fourth tract), recorded in Deed Book Volume 200, Page 532, said stone also being on the easterly line of property of now or formerly Howard J. Rivers, recorded in Deed Book Volume 249, Page 356; thence along the northerly line of property of now or formerly Howard J. Rivers the following four (4) courses and distances, viz: North 33°17'31" East, 264.13' to a capped rebar set; thence North 57°54'19" West, 102.11' to a capped rebar set; thence North 52°54'19" West, 145.20' to a capped rebar set; thence North 73°24'19" West, 225.37' to a capped rebar set on the southerly line of property of now or formerly Dennis H. Powell; thence through the property of now or formerly Dennis H. Powell the following eight (8) courses and distances, viz: North 15°49'45" East, 2304.02' to a capped rebar set; thence North 02°42'33" West, 647.27' to a capped rebar set; thence North 88°57'32" East, 57.52' to a capped rebar set; thence North 76°26'19" East, 311.96' to a capped rebar set; thence South 88°02'36" East, 122.42' to a capped rebar set; thence South 75°10'25" East, 224.21' to a capped rebar set; thence North 89°02'55" East, 192.57' to a capped rebar set; thence North 25°07'41" East, 537.92' to a capped rebar set on the southerly right of way line of The State of West Virginia, West Virginia Railroad Maintenance Authority, as recorded in Deed Book Volume 216, Page 166; thence along the southerly right of way line of The State of West Virginia, West Virginia Railroad Maintenance Authority the following six (6) courses and distances, viz: South 20°36'12" East, 77.00' to a capped rebar set; thence North 67°29'54" East, 34.97' to a capped rebar set; thence North 65°43'48" East, 111.00' to a capped rebar set; thence North 59°34'48" East, 111.00' to a capped rebar set; thence North 55°33'48" East, 40.27' to a capped rebar set; thence North 77°19'37" East, 743.13' to a capped rebar set at the northwest corner of property of now or formerly Billy D. Carroll, as recorded in Deed Book Volume 140, Page 190; thence along the Westerly line of property of now or formerly Billy D. Carroll the following eleven (11) courses and distances, viz: South 14°30'56" East, 715.45' to a point; thence South 34°26'09" East, 107.25' to a point; thence South 24°26'09" East, 396.00' to a point; thence South 16°26'09" East, 198.00' to a point; thence South 05°33'51" West, 226.88' to a point; thence South 06°56'09" East, 247.50' to a point; thence South 11°33'51" West, 276.37' to a point; thence South 05°03'51" West, 478.50' to a point; thence South 04°26'09" East, 330.00' to a point; thence South 03°33'51" West, 222.75' to a point; thence South 09°26'09" East, 330.00' to a point on the northerly line of property of

now or formerly Glenn R. Long, as recorded in Deed Volume 230, Page 493; thence along the northerly line of property of now or formerly Glenn R. Long South 89°33'51" West, 148.50' to a capped rebar set at the northeast corner of property of now or formerly Jeremy M. Sutton, as recorded in Deed Book Volume 266, Page 374; thence along the northerly line of property of now or formerly Jeremy M. Sutton the following eleven (11) courses and distances, viz: South 65°24'18" West, 141.35' to a capped rebar set; thence South 35°50'50" West, 189.75' to a capped rebar set; thence South 31°05'50" West, 165.00' to a capped rebar set; thence South 18°20'50" West, 181.50' to a capped rebar set; thence South 17°50'50" West, 148.50' to a capped rebar set; thence South 25°20'50" West, 148.50' to a capped rebar set; thence South 41°50'50" West, 107.25' to a capped rebar set; thence South 41°50'50" West, 152.63' to a capped rebar set; thence South 33°50'50" West, 297.00' to a capped rebar set; thence South 55°50'50" West, 202.13' to a capped rebar set; thence South 21°39'10" East, 123.75' to a capped rebar set at a northeasterly corner of property of now or formerly Howard J. Rivers; thence along the northerly line of property of now or formerly Howard J. Rivers the following two (2) courses and distances, viz: South 49°50'50" West, 621.33' to a capped rebar set; thence North 45°57'17" West, 1837.63' to an existing stone at the place of beginning.

Contains: 11,216,484.16 Sq. Ft. or 257.495 Acres.

Bearing basis is the West Virginia State Plane North Zone Grid, NAD 1983.

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 2

Property Owner Data:		
Name of Primary Owner (PO): MarkWest Liberty Midstream & Resources, LLC		
PO Address: 304 Stuart Street		
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): MarkWest Liberty Midstream & Resources, LLC		
PO Address: 304 Stuart Street		
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:		

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> 2 </u>
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Property Owner Data:		
Name of Primary Owner (PO): D&M Powell LLC		
PO Address: 304 Stuart Street		
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): D&M Powell LLC		
PO Address: 304 Stuart Street		
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:		

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: 1 of 1

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: 17441		
Engineer Firm FEIN: 25-1599565	Engineer Firm DUNS: 36-160-9878	
Engineer Firm Primary Point of Contact (POC): George J. Haberman, P.E.		
Engineer Firm Primary POC Title: Senior Project Manager		
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) 249-3189		
Engineer Firm Primary POC E-Mail: ghaberman@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 will be properly attained, are current and valid, and must be presented prior to a Doddridge County Floodplain Permit being 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. 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.**
- 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: _____

Applicant Printed Name: _____

RICK LOWRY
For MARKWEST Liberty Midstream + Reservoir, LLC.



31.6
TAX MAP HAS NOT
BEEN OFFICIALLY
UPDATED

For Tax Purposes Only



Legend

- Original Lot Line
- Property
- Hydrolog
- Road and Related RW
- Note Easement
- Road Right of Way

- Parcel Number
- Lot Number
- Parcel Hook
- District

Revisions

1	2-14-15	7
2	1-20-14	8
3		9
4		10
5		11
6		12

16	17
19	20
23	

STATE OF WEST VIRGINIA
DODDRIDGE COUNTY
Office of Assessor

District
GRANT

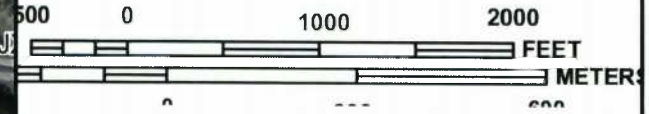
SHEET NO: 19

Date Aerial Photography
Photo No

Date Map
Scale 1" = 400'



MAP SCALE 1" = 1000'



NIP

PANEL 0145C

FIRM

FLOOD INSURANCE RATE MAP
DODDRIDGE COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS

PANEL 145 OF 325
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0145	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
54017C0145C
MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

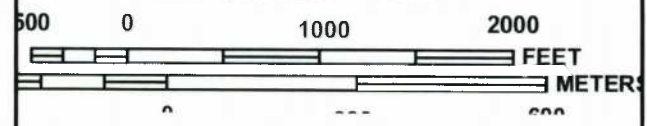
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



JOINS PANEL 0145



MAP SCALE 1" = 1000'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0140C

FIRM
 FLOOD INSURANCE RATE MAP
 DODDRIDGE COUNTY,
 WEST VIRGINIA
 AND INCORPORATED AREAS

PANEL 140 OF 325
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0140	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
 54017C0140C
MAP REVISED
 OCTOBER 4, 2011

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Sherwood Master Plan



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

LOMAs <ul style="list-style-type: none"> ● Incorporated ● Superseded ● Not incorporated ● No Revalidation Status ● Reevaluated 		<ul style="list-style-type: none"> ● Contact Community for Revalidation Status 		<ul style="list-style-type: none"> Zone X (Shaded) DFIRM Panel Index 	
FEMA Effective Floodplains <ul style="list-style-type: none"> Zone AE FLOODWAY Zone AE (AH, AO) Zone A 		Flood Depth (Ft) <ul style="list-style-type: none"> High : 623.366 Low : 0 		LOMRs <ul style="list-style-type: none"> Effective 	

Disclaimer:
 The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. WV Flood Tool (<https://www.MapWV.gov/flood>) is

Flood Info Location Map created on 5/9/2018

User Notes:

Flood Hazard Area:
 Location is **NOT WITHIN** identified flood hazard area, but within 75 feet of an identified flood hazard area.

Flood Hazard Zone: Near Flood Zone

Stream: N/A

Watershed (HUC8): Little Musringum-Middle Island (5030)

Flood Height: N/A

Water Depth: N/A

Elevation: About 865 ft (Source: SAMS 2003)

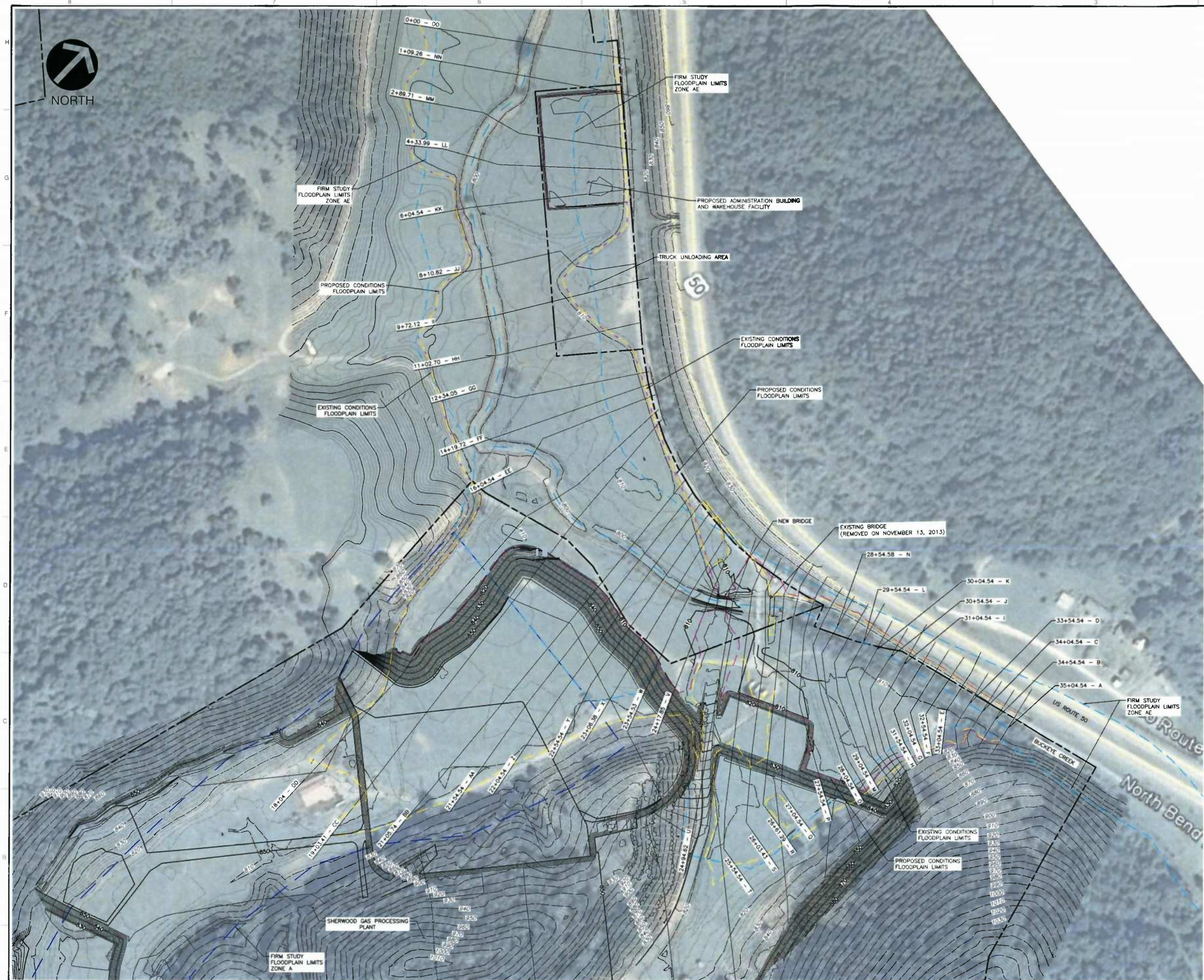
Location (long, lat): (-80.685247, 39.275656)

Community&ID: Doddridge County (540024)

FEMA Flood Map: 54017C0145C **EFF:** 10/4/2011

Parcel Number: 09-03-0019-0032-0000

Address: multiple addresses



LEGEND

- APPROXIMATE STREAM CENTERLINE
- 303+04.54 - K HEC-RAS CROSS SECTION
- 100-YEAR FLOODPLAIN LIMITS, CURRENT CONDITIONS
- 100-YEAR FLOODPLAIN LIMITS, PROPOSED CONDITIONS
- FIRM STUDY FLOODPLAIN LIMITS ZONE AE
- FIRM STUDY FLOODPLAIN LIMITS ZONE A
- PROPERTY LINE
- 900- EXISTING INDEX CONTOUR
- 900- EXISTING INTERMEDIATE CONTOUR
- 900- PROPOSED INDEX CONTOUR
- 900- PROPOSED INTERMEDIATE CONTOUR

REFERENCE

- EXISTING TOPOGRAPHY DEVELOPED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC) USING CEC SURVEY DATA AND DIGITAL ELEVATION MODELS (USGS 3-METER), 2003 OF THE U.S. GEOLOGICAL SURVEY (USGS) AND WEST VIRGINIA STATEWIDE ADDRESSING & MAPPING BOARD (WYSAMB).
- STREAM LOCATIONS DELINEATED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
- IMAGE PROVIDED BY GOOGLE EARTH. © 2012.



REVISION RECORD

NO.	DATE	DESCRIPTION
1	11/10/2014	ISSUED FOR PERMISSIBLE COUNTY REVIEW
2	03/20/2015	REVISION FOR US ARMY CORPS OF ENGINEERS REVIEW
3	11/02/2015	REVISION FOR PLANT ADMINISTRATION BUILDING AND WAREHOUSE GRADING CHANGES

Civil & Environmental Consultants, Inc.
 4274 Glendale-Milford Road - Cincinnati, OH 45242
 513-985-0226 800-759-5614
 WWW.CECINC.COM

MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC.
SHERWOOD GAS PROCESSING PLANT
DODDRIDGE COUNTY, WEST VIRGINIA

EXISTING AND FINAL PROPOSED GRADING 100-YEAR FLOODPLAIN MAP

DATE: 1/29/2013 DRAWN BY: TCJ
 DWG SCALE: 1"=150' CHECKED BY: ARG
 PROJECT NO: 110-011-5001
 APPROVED BY: *RFC

DRAWING NO: **SP01**

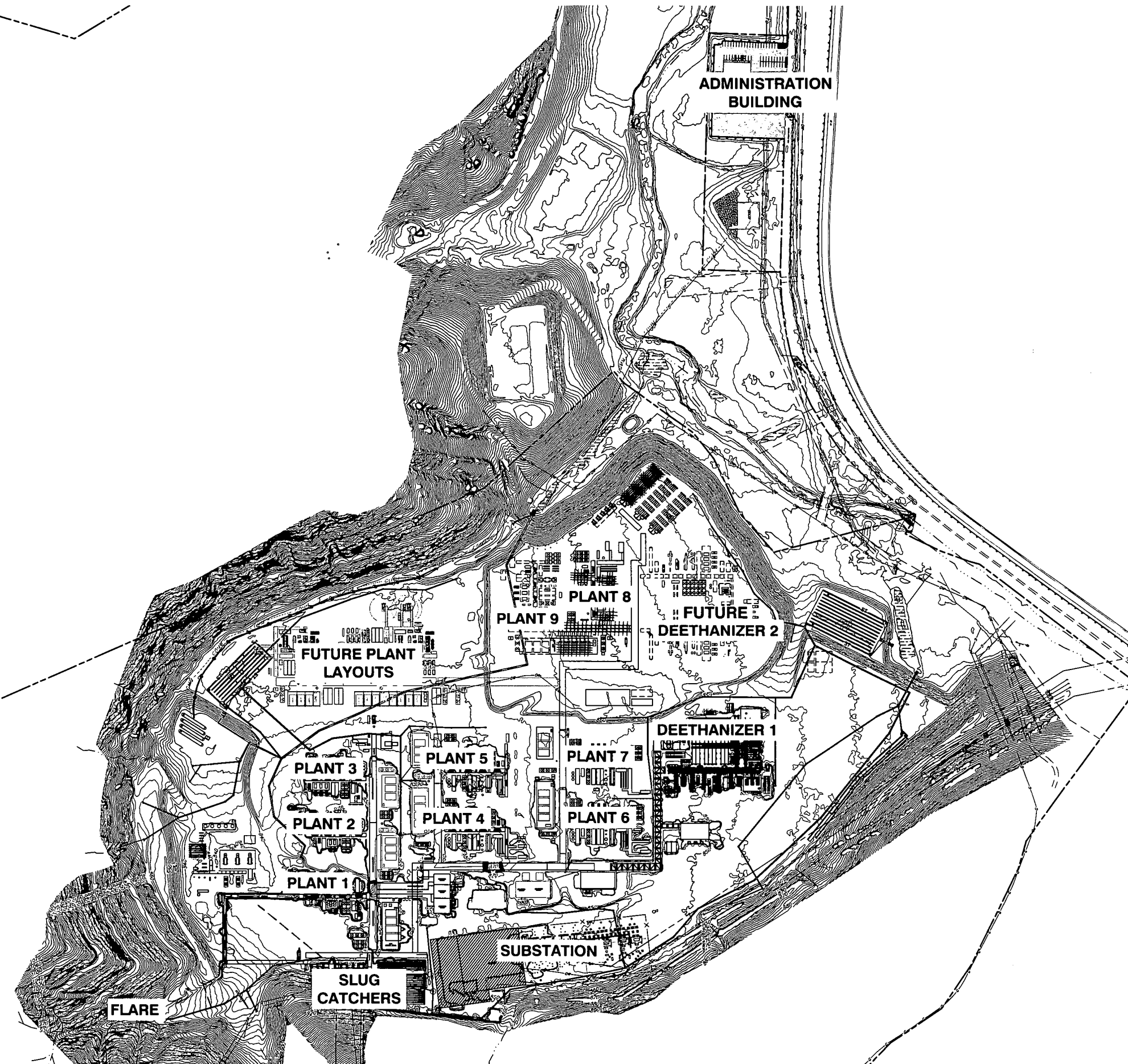
* HAND SIGNATURE ON FILE



NORTH

LEGEND

	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR



- REFERENCE**
- EXISTING CONTOURS DERIVED FROM SHARC-EARTH DIGITAL ELEVATION MODEL, CONSTRUCTED FROM UNMANNED AERIAL SYSTEM (UAS) RECORDED ELEVATION POINTS. TOPOGRAPHIC CONTOURS MAPPED AT AN INTERVAL OF 2 FEET, DATED MARCH 16, 2016.
 - STREAM AND WETLAND LOCATIONS DELINEATED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
 - PLANT EQUIPMENT PROVIDED TO CEC ELECTRONICALLY BY EXTERRAM, TITLED: US-107366-201.01-BA-08-001_REVIEW.DWG, RECEIVED: 10/14/2015.
 - EXISTING UTILITIES LOCATED BY CEC AND CHAPMAN CORPORATION.

REVISION RECORD

NO.	DATE	DESCRIPTION

CEE
 Civil & Environmental Consultants, Inc.
 333 Baldwin Road - Pottsville, PA 15205
 412-428-2324 - 800-365-2324
 www.cecinc.com

MARKWEST LIBERTY MIDSTREAM & RESOURCES, LLC
SHERWOOD GAS PROCESSING PLANT FACILITY
DODDRIDGE COUNTY, WEST VIRGINIA

OVERALL SHERWOOD EXHIBIT

DATE:	2/6/17	DRAWN BY:	ARC
SCALE:	1"=200'	CHECKED BY:	BRG
PROJECT NO.:	110-811-001	APPROVED BY:	



DRAWING NO: **SP-41**

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 21st day of May, 2018, Civil & Environmental Consultants INC. on behalf of Mark West Liberty Midstream & Resources, LLC. filed an application for a Floodplain Permit (#18-513) to develop land located at or about 218 Swisher Lane, Coordinates 39.275688 N, -80.687945 W. The Application is on file with the Doddridge County Floodplain Manager's Office and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by June

was published in The Doddridge Independent
2 times commencing on Friday, May 25, 2018 and
Ending on Friday, June 1, 2018 at the request of:

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

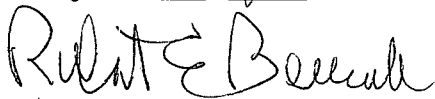
Given under my hand this Tuesday, June 5, 2018

The publisher's fee for said publication is:
\$ 27.32 1st Run/\$ 20.49 Subsequent Runs
This Legal Ad Total: \$ 47.81

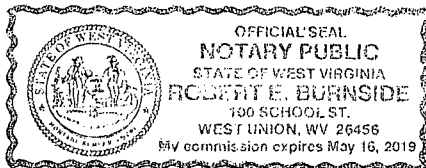


Michael D. Zorn
Publisher of The Doddridge Independent

Subscribed to and sworn to before me on
this date: 06/05/2018



Notary Public in and for Doddridge County
My Commission expires on
The 16 day of May 20 19



Floodplain Public Notice (Legal)
Please take notice that on the 21st day of May, 2018, Civil & Environmental Consultants INC. on behalf of Mark West Liberty Midstream & Resources, LLC. filed an application for a Floodplain Permit (#18-513) to develop land located at or about 218 Swisher Lane, Coordinates 39.275688 N, -80.687945 W. The Application is on file with the Doddridge County Floodplain Manager's Office and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by June 25, 2018 (20 calendar days after the announcement at the regularly scheduled Doddridge County Commission Meeting) delivered to the Clerk of the County Court at 108 Court Street, Ste. 1, West Union, WV 26456. This project is a permit renewal for Land Development
C2 05/25-06/01