

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit has been issued to EQT PRODUCTION CO., and is for the approved commercial and/or industrial development project associated with this permit 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: #14-192

Date Approved:05/21/2014

Expires:05/21/2015

Issued to: EQT PRODUCTION COMPANY

POC: MEGAN LANDFRIED 304-848-0061

Company Address: 115 PROFESSIONAL PLACE

BRIDGEPORT, WV 26330

Project Address: ARNOLDS CREEK LEFT FORK

Firm: 54017C0120C

Lat/Long:

Purpose of development: WATER LINE

Issued by: Edwin L. "Bo" Wriston, Doddridge County FPM (or designee)

Date: 05/21/2014

r)	U.S. Postal Service TIM CERTIFIED MAILTM RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)
860	For delivery information visit our website at www.usps.com
4. 1. 1.	Postage \$.48
101 b	Return Receipt Fee (Endorsement Required) 2. 70 Return Receipt Fee (Endorsement Required) 2. 70 APRIZE 2014
0 0	Restricted Delivery Fee (Endorsement Required) Total Postage & Fees \$ 6.48 # (2526456-99)
	Total Postage & Fees \$ 6.48 # 14 264553
013	Street, Apt. No.; or PO Box No. 62 1st Place Apt 4
~	City, State, ZIP+4 Brooklyn, Wy 11231 See Reverse for Instructions

*	;				
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY				
 Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature X				
1. Article Addressed to: #14-192 Elegator Maxwell Meyer Clo Lisa Meyer 62 1st Place Apt 4 Brooklyn, Ny 11231	D./Is/delivery address differentition item 1?				
Brooklyn, Ny 1123/	3. Service Type ☐ Certified Mail® ☐ Priority Mail Express ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ Collect on Delivery				
	4. Restricted Delivery? (Extra Fee) Yes				
2. Article Ni (Transfer					
PS Form 3					

UNITED STATES POSTAL SPRINGE LILLING HELL LILLING

First-Class Mail Postage & Fees Paid USPS Permit No. G-10

• Sender: Rease print your name, address, and ZIP+4® in this box•

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West Union, WV 26456

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Doddridge County, West Virginia

RECEIPT NO:	: 2	2017			DATE:	2014/	/04/25	
	FROM	POTESTA &	ASSOCIATES		AMOUNT	;\$	50	0.00
FIVE HUNI	ORED I	OOLLARS AND	00 CENTS		21.4			
	FOR	: #14-192 EQ	T PRODUCTION	WEU	-8 WATER	LINE		
0000001	2301	FP-BUILDING	PERMITS	*	02	0-318	TOTAL:	\$500.00
MI	CHAEL	HEADLEY			·	_	MEC	
	SHER	IFF &TREASURE	₹				CLERK	

Customer Copy

Legal Advertisement:

Doddridge County

Floodplain Permit Application

Please take notice that on the 24th day of April, 2014 EQT PRODUCTION COMPANY #14-192

filed an

application for a Floodplain Permit to develop land located at or about: SURFACE OWNERS: ELEANOR MAXWELL MEYER, WEST UNION DISTRICT, ARNOLDS CREEK AREA, WILL BOOK 10 PG 526

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours.

Any interested persons who desire to comment shall present the same in writing by May 14, 2014.

Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager

TRANSACTION REPORT

APR-25-2014 FRI 04:16 PM

FOR:

DODDRIDGE CO. CLERK

304 873 1840

SEND

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 DATE
 START
 RECEIVER
 TX TIME
 PAGES TYPE
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 M# DP

 APR-25 04:15 PM 3048731600
 51"
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 985

TOTAL:

51S PAGES:

3

Legal Advertisement:

Doddridge County

Floodplain Permit Application

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Edwin L. "Bo" Wriston. Doddridge County Flood Plain Manager



Edwin L. "Bo" Wriston, Floodplain Manager Doddridge County Commission 118 East Court Street West Union, WV 26456

July 8, 2014

RE: EQT Production Company WEU 8 Water Line Permit No. 14-192

Mr. Wriston,

Pursuant to the requirements of the Doddridge County Floodplain Ordinance, EQT Production Company is submitting this letter to report the status of permits necessary for the WEU 8 Water Line Project located near Arnolds Creek, Doddridge County, WV. The WEU 8 Water line consisted of a temporary surface plastic line. Due to the nature of this Project, earth disturbance was not more than one acre. A permit from the West Virginia Department of Environmental Protection was not required. Also, due to the temporary surface nature of the water line, no stream or wetland impacts were anticipated and permits were not necessary from the United States Army Corps of Engineers, the West Virginia Department of Environmental Protection, or the West Virginia Department of Natural Resources.

Please feel free to contact me at 304-848-0061 or at <u>mlandfried@eqt.com</u> should you have any questions or comments.

Sincerely,

Megan E. Landfried



POTESTA Engineers and Environmental Consultants war 8 way

7012 MacCorkle Avenue. SE. Charleston, WV 25304 • (304)342-1400 • FAX (304)343-9031; www.potesta.com

April 16, 2014

Doddridge County Floodplain Coordinator **Doddridge County Commission** 118 East Court Street West Union, West Virginia 26456

RE:

Floodplain Permit Application **EOT Production Company**

EOT WEU 8 Water Line

Doddridge County, West Virginia

POTESTA Project No. 0101-11-0147-803

Dear Sir/Madam:

Potesta & Associates, Inc. (POTESTA) is pleased to submit this cover letter with the associated Floodplain Development Permit Application for the proposed WEU 8 Water Line Project. The proposed project will consist of installing approximately 3,854 linear feet of temporary aboveground water line. Based on information presented on the site FIRM, a portion of the project is located within FEMA Flood Zone A from approximate water line stations 11+50 to 16+50, shown on the attached Drawing Nos. 3 and 4. No earth disturbance activities will be associated with the installation of this water line. Flood Zone A is the regulatory floodplain associated with the Base Flood (1 percent annual chance flood event), commonly referred to as the 100-year floodplain and indicates that the limits of the floodplain are approximate; as such, Base Flood Elevations (BFEs) have not been previously established by FEMA. Work within the floodplain associated with this project shall include the installation of a temporary aboveground water line which will be properly anchored using 2-inch by 2-inch wooden stakes at stream and floodplain crossings to prevent the water line from washing downstream during high water storm events. All work associated with the proposed WEU 8 Water Line within the limits of the floodplain will be in accordance with the following. No permanent aboveground structures are to be constructed within the floodplain. There will be no excess or fill material associated with this project because there will be no excavation proposed for the project.

Included with this permit application are floodplain map, site plan sheets, and miscellaneous detail sheets for this project.

If you have any questions, please feel free to contact me at (304) 342-1400 or jmsmith@potesta.com, or Megan Landfried (EQT) at (304) 848-0061.

Sincerely,

POTESTA & ASSOCIATES, INC.

Jarrett M. Smith, P.E. Senior Engineer

JMS:JWS/clr

Enclosures

c: Ms. Megan Landfried – EQT (via email)

FILED

2014 APR 17 AM 9: 04

WEU8 Waterline

BETH A. ROGERS
COUNTY CLERK DODDRIDGE COUNTY
DODDRIDGE COUNTY.

FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

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 MARIE E JONO E DATE 4/11/14

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: EQT Production Company

ADDRESS:115 Professional Place, Bridgeport, WV 26330

TELEPHONE NUMBER:304-848-0061

BUILDER'S NAME: EQT Production Company

ADDRESS: 115 Professional Place

TELEPHONE NUMBER: 304-848-0061

ENGINEER'S NAME: POTESTA and Associates

ADDRESS: 7012 MacCorkle Avenue, SE, Charleston, West Virginia 25304

TELEHONE NUMBER: 304-342-1400

PROJECT LOCATION: Eleanor Maxwell Meyer Eleanor Mixwell Meyer Garden Lity, Ny 1532 Of Lisa Meyer

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) 62 151 Place April

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Brooklyn, NY 112 31

DISTRICT: West Union

DATE/FROM WHOM PROPERTY PURCHASED: 8/25/1965

LAND BOOK DESCRIPTION: Will Book

DEED BOOK REFERENCE: Will But 10/526

TAX MAP REFERENCE:

EXISTING BUILDINGS/USES OF PROPERTY: $\digamma_{G_1^*M^*}n_{\mathcal{S}}$

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT

PROPERTY Vacant

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE

SUBJECT PROPERTY

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

	<u>A</u> (TIVITY				STRI	UCTUR	RAL TYPE
[X] () () ()	New Struct Addition Alteration Relocation	1			() () X ()	Resid Non- Comb	lential (resider bined L	(1 – 4 Family) (more than 4 Family) htlal (floodproofing) Use (res. & com.)
() ()				0	Repla	acemer	nt	
B.	Fill	EVEOPLI	MENT ACTIN	VITIES:	Drillin	g	Ω	Pipelining
0 0 0 0 0	Watercour Drainage I Road, Stre Subdivision	rse Altero mproven et, or Brid n (includi	for STRUCTUI ation (includi nents (includir dge Construct ng new expar Sewer Syster	ing dredgi ng culvert tion nsion)	ng and c			•
[x]	Other (ple	-	• •					
		_Tempora	ary water line					

C. STANDARD SITE PLAN OR SKETCH

1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.

STRUCTURES OR LAND USES ON THE PROPERTY.

2. IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:

SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF

THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE
INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS,

3. SIGN AND DATE THE SKETCH.

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN \$9629 rental fee \$43,561 for the move in, set up, and demobilization of the lines including labor Total= \$53,190

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).

NAME: <u>M</u>	MET MAXWELL (CAME: NAME: HEATH PLACE THY NY 11530	Liga	Meyer			
ADDRESS: 14	HEATH PLACE	ADD	RESS: (D)24	267.15	+ Place	Cept #4
Garden Ci	ty NY 11530	Bri	poklyn,	NY 1	1231	,
NAME:	NAME:_					
	<i>p</i>					
						
NAME:	NAME:					
ADDRESS:	 	ADD	RESS:			
						
NAME:	N	IAME:				
ADDRESS:	ADDRES					
				-		
NAME:_	NAME:_	·				
ADDRESS:_	ADDRES	S:				

	LOCA APPL RESIE	E AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE ITED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT ICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT DING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS MONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.
	NAME:	NAME:ADDRESS:
	ADDRESS	: ADDRESS:
	NAME:	NAME:
	ADDRESS	: ADDRESS:
THI	THE A	FIRMATION FORM PPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY AYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES
	(A)	PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.
	(B)	SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.
	(C)	PUBLICATION.
	(D)	COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.
	(E)	CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY
		FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR
		REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.
	ME (PRINT	60

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

<u>SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)</u>

THE PROPOSED DEVELOPMENT:

THEF	PROPOSED DEVELOPMENT IS LOCATED ON:	
FIRM Dated	Panel:d;d;d	
[] revie	Is <u>NOT</u> located in a Specific Flood Hazard Area (Notify a w is complete and NO F LOOPLAIN DEVELOPMENT PERMI	
[]	Is located in Special Flood Hazard Area. FIRM zone designation	
[]	Unavailable	
Ð	The proposed development is located in a floodway. FBFM Panel No	Dated
[]	See section 4 for additional instructions.	
	SIGNED	DATE

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

[] A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.

	Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also
[]	Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).
[]	Plans showing the extent of watercourse relocation and/or landform alterations.
[]	Top of new fill elevationFt. NGVD (MSL). For floodproofing structures applicant must attach certification from registered engineer or architect.
[]	Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.
()	Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).
[]	Other:

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity <u>(type is or is not)</u> in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge

	n May 21, 2013. The permit is issued subject to the conditions attached to and tof this permit.
SIGNED	DATE
with the p	odplain Administrator/Manager found that the above was not in conformance provisions of the Doddridge County Floodplain Ordinance and/or denied that on, the applicant may complete an appealing process below.
APPEALS	Appealed to the County Commission of Doddridge County? [] Yes {} No Hearing Date:
	County Commission Decision - Approved [] Yes [] No
CONDITIC	NS:
	
SECTION 6: AS	-BUILT ELEVATIONS (To be submitted by APPLICANT before
Certificate of C	ompliance is issued).
	ormation must be provided for project structures. This section must be egistered professional engineer or a licensed land surveyor (or attach a is application).
COMPLETE 1 OR	2 BELOW:
	(As-Built) Elevation of the top of the lowest floor (including basement or space isFT. NGVD (MSL)
2 Actual	(As Built) elevation of floodproofing isFT. NGVD (MSL)
Note: Any we	ork performed prior to submittal of the above information is at risk of the

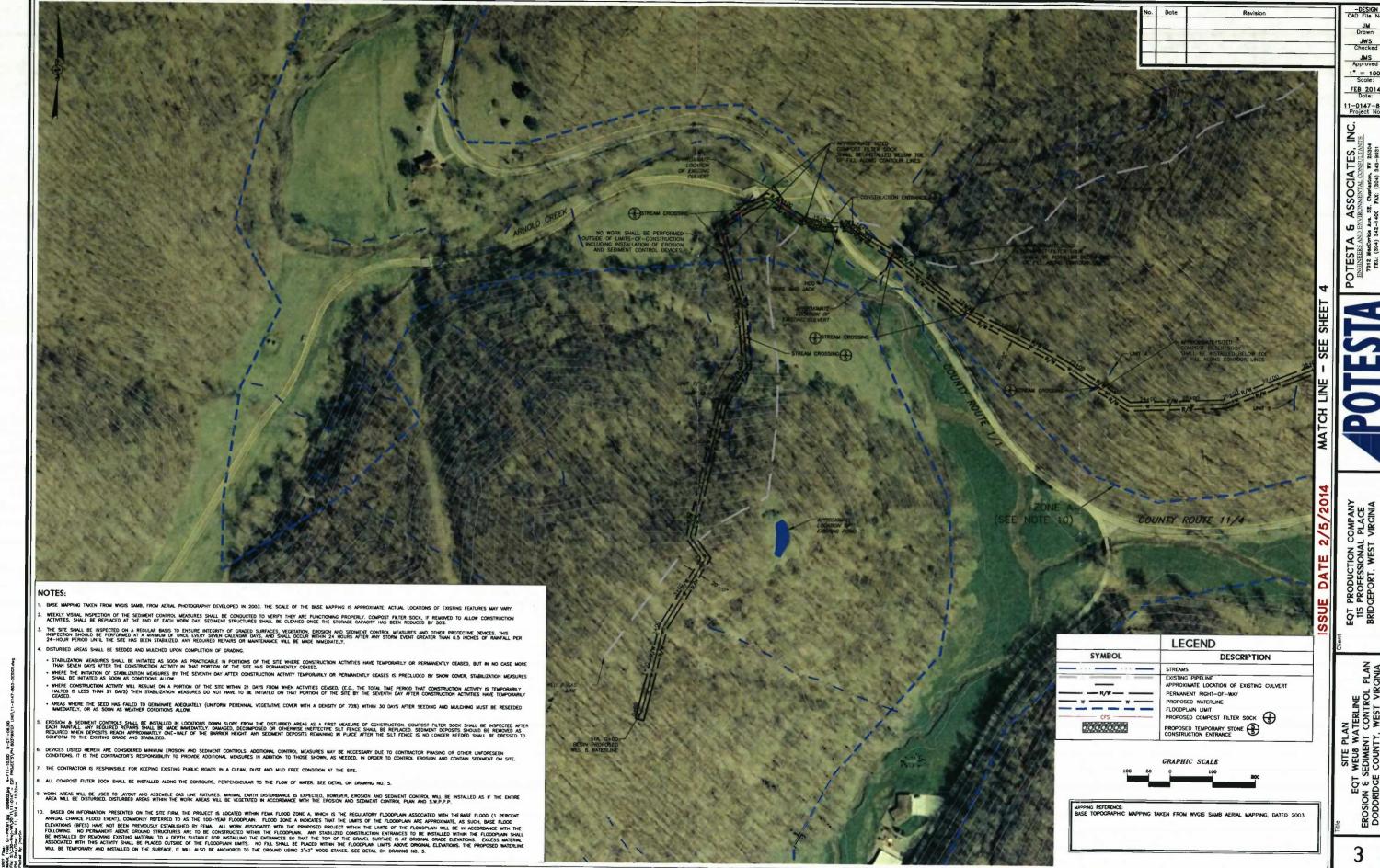
SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:				
DATE:	BY:_			
DEFICIENCIES?	Y/N			
COMMENTS		W-100		
SECTION 8: CERTIFICATE O	F COMPLIA	NCE (To be co	ompleted by	Flood <u>plain</u>
Administrator/Manager or	r his/her rep	resentative).	1	
Certificate of Compliance issued	d: DATE:	BY:		
		COMPLIANC	_	
FOR DEVELOPM			AZARD AREA	ı
((OWNER MU	ST RETAIN)		
DEDA	MIT NI INADE	R:		
		N		
				

PURPOSE -

CONSTRUCTION LOCATION:				
OWNER'S ADDRESS:				
THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLA	AIN			
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.				
COMPLIANCE IS HEREBY CERTIFIED WITH THE REQU	IDEMENT OF THE			
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COM				
DODDRIDGE COUNTY ON MAY 21, 2013.				
SIGNEDDATE_				



6 ASSOCIATES, I OD ENVIRONMENTAL CONSULTANT No. 842 - 1400 FAX: (304) 843-9931

JWS Checked JMS Approved 1" = 100' Scale: FEB 2014 Date: 11-0147-803 Project No.

EROSION 8

-DESIGN CAD File No.

JWS Checked JMS Approved

F PRODUCTION COMPANY S PROFESSIONAL PLACE DCEPORT, WEST VIRGINIA

EQT EROSION 6 SE

4

COMPOST FILTER SOCK 2" x 2" WOODEN STAKES PLACED 10' O.C.

PLAN VIEW NO SCALE

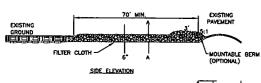
COMPOSI SHALL MEET THE FOLLOWING STANDANDS			
ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)		
ORGANIC PORTION	FIBROUS AND ELONGATED		
PH	5.5 - 8.0		
MOISTURE CONTENT	35% - 55%		
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN		

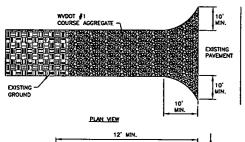
	MAXIMUM SLOPE LENGTH ABOVE SEDIMENT CONTROL IN FEET *						
	8 INCH ** SEDIMENT CONTROL	12 INCH ** SEDIMENT CONTROL	18 INCH ** SEDIMENT CONTROL	24 INCH ** SEDIMENT CONTROL	32 INCH ** SEDIMENT CONTROL		
SLOPE PERCENT	6.5 INCH	9.5 INCH	14.5 INCH	19 INCH	26 INCH		
2 OR LESS	600	750	1000	1300	1650		
5	400	500	550	650	750		
10	200	250	300	400	500		
15	140	170	200	325	450		
20	100	125	140	260	400		
25	80	100	110	200	275		
30	60	75	90	130	200		
35	60	75	80	115	150		
40	60	75	80	100	125		
45	40	50	60	80	100		
50	40	50	55	65	75		

SOLUBLE SALT CONCENTRATION

- Based on a failure of 36" super silt fence (wire reinforced at 1000 feet of slope, watershed equivalent to receining length of sediment control device, 1 in. / 24 hr rain event)
- * EFFECTIVE HEIGHT OF SEDIMENT CONTROL AFTER INSTALLATION AND WITH CONSTANT HEAD FROM RUNOFF AS DETERMINED BY OHIO STATE UNIVERSITY.

COMPOST FILTER SOCK (1)

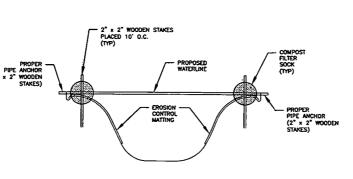




5.0 ds Maximum

- TOP SOIL SHOULD BE REMOVED PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE
- 2. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
- RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- MAINTENANCE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE, ALL SEDIMENT DEPOSITED ON PAYED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION INMEDIATLY. IF EXCESSIVE AMOUNT OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND THE LENGTH OF ROCK CONSTRUCTION ENTRANCE BY SO FOOT INCREMENTS WITH CONDITION IS ALLEMATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR OTHER DRAINAGEWAYS IS NOT ACCEPTABLE.

SECTION A-A STONE CONSTRUCTION ENTRANCE DETAIL $\frac{5}{5}$



- 1. ALL STREAM BANKS MUST BE STABILIZED IMMEDIATELY.
- PLACE SEED AND SOIL SUPPLEMENTS ON BANKS PRIOR TO EROSION CONTROL MATTING INSTALLATION.

For use where natural vegetation alone will provide permanent erosion protecti ULTRA SHORT-TERM - Typical 3 month functional longovity.

A Mulch Control Nets A photodegradable synthetic most or woven biodegradable natural fiber netting

I.D Double-not Erosion
Control Blankes

Processed degradable natural and/or polymer fibers mechanically
between two mpidly degrading, synthetic or natural fiber nettings.

2.D Double-net Ecosion
Control Hanker

EXTENDED-TERM - Typical 24 month functional longevity.

A Mulch Control Note A slow degrading synthetic mesh or woven natural fiber netting

ONG-TERM - Typical 36 month functional longevity.

B Nethas Rolled Erosion Natural aud/or polymer fibers mechanically interlocked and/or chemically adhered together to form a RECP.

C. Single-net Erosion
Control Blankers &
Open Woove Textiles

Open

A Mulch Control Nets A photodegradable synthetic mesh or woven biodegradable natural fiber netting.

B Netless Rolled Erosion Natural and/or polymer fibers mechanically interlocked and/or chemically adhered Cantrol Blankets (Single-test Erosion Control Blankets & An erosion control blanket composed of processed degradable restural or polymer fibers mechanically bound together by a single degradable synthetic or natural fiber netting to Open Weave Textiles

form a continuous matrix or an open weave textile composed of processed degradable

Material Composition

An erosion control blanket composed of incocessed show degrading natural or polymer fibers mechanically bound together between two slow degrading synthetic or natural fiber nettings to form a communous matrix or an open weave textile composed of

processed slow degrading natural or polymer years or twines weven into a continuo

Material Composition An enosion control blanket composed of processed slow degrading natural or polyme-fibers mechanically bound together between two slow degrading synthetic or natural fiber nettings to form a continuous matrix or an open weave textile composed of

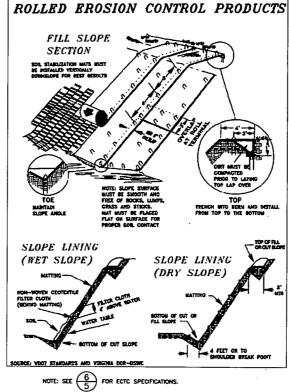
yp Product Description Material Composition

Product Description

B Erusium Control Blankets & Open Weave Textiles

Product Description

STREAM CROSSING DETAIL (2)



ROLLED EROSION CONTROL MATTING (3)

Channel Application

≤ 0.20 (d) 2:1 1.75 lbs/ft² (84 Pa) 75 lbs/ft (1.09 kN/m

≤ 0.20 @ 2:1 1.75 lbe/ft² (84 Pa) 75 lbe/ft (1.09 kN/n Channel Applications

1.5 lhs/ft² (72 Pa) 50 lhs/ft (0.73 kN/m)

 Maximum Gradient
 C Factor^{2,5}
 Max. Shear Stress^{3,4,6}
 Tensile Strength³

 5:1 (H:V)
 ≤ 0.10 @ 5:1
 0.25 lbs/h² (12 Pa)
 5 lbs/h² (0.073 LN/m)

≤ 0.15 @ 3:1

4:1 (H:V) ≤ 0.10 @ 4:1 0.5 lbs/ft² (24 Pa) 5 lbs/ft (0.073 LN/m)

 Maximum Gradient
 C Factor**
 Max. Shear Stress.**
 4
 Tessils Strength*

 5:1 (H:V)
 ≤ 0.10 @ 5:1
 0.25 lbs/ft³ (12 Pa)
 25 lbs/ft (0.36 kN/m

 1.5:1 (H:V)
 ≤ 0.25 @ 1.5:1
 2.00 lbs/ft² (96 Pa)
 100 lbs/ft (1.45 kN/m

Slope Applications*
Channel Applications*
Max. Shear Stress**

Tensile Strength*

1:1 (H:V) ≤ 0.25 @ 1:1 2.25 lbs/ll* (108 Pa) 125 lbs/ll* (1.82 kN/m

ROLLED EROSION CONTROL PRODUCTS
FILL SLOPE SECTION SOL STABILIZATION MATE MEET SE DESTALLED VERTICALLY CONNECLIONE FOR SECT MEETING
NOTE SLOPE STREAKS WILL SE SMOOTH AND TOE FOR STREAKS WILL SE SMOOTH AND TOP TOP
MANTAIN GRESS AND STROKS. TREMON BYD BEEN AND DESTAIL. SLOPE ANGLE MAT HAST BE PLACED FROM TOP TO THE BOTTOM AND DESTAIL. FLAT ON SUBFACE FOR PROPER BOS. CONTACT
SLOPE LINING (WET SLOPE) MATTERS (DRY SLOPE)
HON-MOVIDI CEOTECTILE PLTIS CLOTH (INCHES MATTHO) PLTIS CLOTH (INCHES MATTHO) PLTIS CLOTH MIN SOR FALLS LIGHT FALLS CLOTH ANTHON FALLS LIGHT FALL SLOTE FA
SOURCE: VIDIT STANDARDS AND VINGING DOR-DENK

Date 11-0147-803 Project No. ASSOCIATES, INC.
NURROWNENTAL CONSULTANTS
ARE SE, CHEMBERS, BY 28394
1400 PAX: (304) 343–9931

Rate		Minimum Specifications		
(LP) 1000 ad*	Seed Variety	% Party	% Total Germination	
0.45	Red Fescue (Pennlawn)	93	85	
0.90	Kentucky Bluegues	84	7.5	
0.70	Merion Bluegrass	90	75	
0.20	Amual Ryegress*	95	85	

Variety of Seed	Spring 3/15 – 5/31 1b/acre	Patt 8/15 - 10/15 Ib/acre	
Orcherdgrass (Dactylis Glomerata)	15	15	
Birdsfoot Trefoii(1) (Lotus Corniculatus)	15	15	
Red Clover (Trifolium Pretense)	10	10	
Annual Ryegrass (Lotium Multiflorum)	15	15	
Bicctor Lespedeza	1	1	
Foxuel Miller or	12	12	
Hairy Vetch(2) (Victa Villosa) or	5	3	
Winter Wheat	10	20	

PERMANENET SEED MIXTURES 4 5

v 🖁

POTESTA (
ENGINEERS AND 17 STEE (304) 345

-DETAILS
CAD File No.

JM Drawn

JWS Checked JMS Approved

NOTED Scale: FEB 2014 Date:

PRODUCTION COMPANY PROFESSIONAL PLACE OCEPORT, WEST VIRGINIA

EROSION (

der skribt hat conditions using Ension Corticol Technology Councel (ECTC) Test Method 8.2.

Meer draws REC (invergented) can sustain histon by the all demaps or excess ension to 1.2.7 cm (0.5 by) and local during a 30-minute flow event in large-scale testing. These period schools are conditional and failure criteria using Ension Control Technology Council (ECTC) Test Method 62.

To the state of the schools are all failure criteria using Ension Control Technology Council (ECTC) Test Method 62.

To the schools are schools are all failure criteria using Ension Control Technology Council (ECTC) Test Method 63.0 council (ECTC) Test Method 63.0 council (ECTC) Test Method 63.0 or other independent schools are council may be close acceptable by the engineer.

Council Recommended acceptable briga-schools protocol may include ASTM D4400, Ension Control Technology Council (ECTC) Test Method 63 or other independent seating 4. ECTC STANDARD SPECIFICATION FOR TEMPORARY

ROLLED EROSION CONTROL PRODUCTS

SOLUTION SOLUTION SPECIFICATION FOR TEMPORARY

SOLUTION SOLUTION SPECIFICATION FOR TEMPORARY

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LOCATION MAP WEU 8 WELL LINE REROUTE EQT
DODDRIDGE COUNTY,
WEST VIRGINIA
DATE: JUNE 2013
G 1Projects/2011/11-0147 EQT Well Sites/Map Documents
IWEU8WL_Reroute/WEU8WLReroute_FIG_3.mxd

Approximate Limits of Disturbance

WEU8 Revised Well Line



015000 600



Aerial Imagery: 10/8/2011

Legal Advertisement

LEGAL ADVERTISEMENT,

Doddridge County

Ploodplain Permit Application

Plense take notice that on the 24th day, of April, 2014

EQT PRODUCTION COMPANY, 112 327 filed an application for a Floodplain, Permit, 107 develops land located at on about: SURFACE OWNERS: ELEANOR MAXWELL! MEYER, WEST UNION DISTRICT, ARNOLDS CREEK AREA, WILL BOOK, 10-PG, 526.

The Application is on file with the Clerk of the County Court, and may be inspected or copied during regular.

The Application is on file with the Clerk of the County Court, and may be inspected or copied during regular business hous. Any interested persons who desire to comment stall present the same in writing by May 14, 2014.

Delivered to the:

118 E. Court Street, West Union, WV, 26456
Beth A. Roger Duddridge County Clerk
Edwin L. Bo' Wriston Doddridge County Flood Plain
Manager

4-29-2xb

STATE OF WEST VIRGINIA. COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE HERALD RECORD, a weekly newspaper published regularly, in Doddridge County, West Virginia, Do Hereby Certify Upon Oath That the Accompanying Legal Notice Entitled:

,
Floodplain Permit
Floodplain Permit
was published in said paper for
successive weeks beginning with the issue
of Cipsel 29th 2014 and
V
ending with the issue of
May 6 th 2014 and
that said notice contains
WORD SPACE at
2174
amounts to the sum of \$ 21.7.4
FOR FIRST PUBLICATION, SECOND PUBLICATION IS 75% OF THE FIRST PUBLICATION
s.16,3.1
and each publication thereafter
\$ 3805 TOTAL
EDITOR
Vuginia Nicholson
SWORN TO AND SUBSCRIBED
BEFORE ME THIS THE 8 DAY
OF
NOTARY PUBLIC
Hauray Odanis
OFFICIAL SEAL OFFICIAL SEAL OFFICIAL SEAL
Notary Public, State Of West Virginia LAURA J ADAMS

212 Edmond Street West Union, WV 26456 My Commission Expires June 14, 2023