

Commercial/Industrial Floodplain Development Permit

Doddridge County, WV Floodplain Management

This permit has been issued to EQT Production Company, 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: #14-202 EQT SMI-28 Water Line

Date Approved: 07/02/2014

Expires: N/A

Issued to: Antero Resources

**POC: Megan Landfried
304-848-0061**

**Company Address: 115 Professional Place
Bridgeport, WV 26330**

Project Address: New Milton District

Firm: N/A Lat/Long:

Purpose of development: Pipeline. Project does not impact floodplain.

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

Date: 07/01/2014

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



Engineers and Environmental Consultants

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

14-202

April 8, 2014

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

FILED
2014 APR 10 PM 12:15
BETH A. ROGERS
COUNTY CLERK
DODDRIDGE COUNTY, WV

RE: Floodplain Permit Application
EQT Production Company
EQT SMI-28 Water Line
Doddridge County, West Virginia
POTESTA Project No. 0101-11-0147-2803

Dear Sir/Madam:

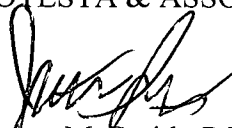
Potesta & Associates, Inc. (POTESTA) is pleased to submit this cover letter with the associated Floodplain Development Permit Application for the proposed SMI-28 Water Line Project. The proposed project will consist of installing approximately 9,781 linear feet of temporary aboveground water line. Based on information presented on the site FIRM, the project is located outside the FEMA Flood Zone A as shown on the attached Drawing Nos. 3, 4, and 5. 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. No work associated with the installation of a temporary aboveground water line will be inside the 100-year floodplain. 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)

POTESTA & ASSOCIATES, INC.

Charleston, West Virginia • Morgantown, West Virginia • Winchester, Virginia

14-203

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 Megan E. Jorgensen

DATE April 7, 2014

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

TELEPHONE NUMBER: 304-342-1400

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Sue Ann and John Spiker

**ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT 166 Linden Lane, Jane Lew, WV
26378**

DISTRICT: New Milton

**DATE/FROM WHOM PROPERTY PURCHASED: 8/20/1990 & 01/05/1991 Robert S. and Mildred
Maxwell**

LAND BOOK DESCRIPTION: Middle Island Creek

DEED BOOK REFERENCE: DB 312 Page 599 and DB 214 Page 675

TAX MAP REFERENCE: 06-3-1

EXISTING BUILDINGS/USES OF PROPERTY: Barn / Farm Land

**NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT
PROPERTY N/A**

**ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE
SUBJECT PROPERTY N/A**

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>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 Altercation (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)
_____ Temporary water line

C. STANDARD SITE PLAN OR SKETCH

- 1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
- 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, STRUCTURES OR LAND USES ON THE PROPERTY.

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 \$47,100 for the move in, set up, and demobilization of the lines including labor
Total= \$56,729**

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: George W. Adrian
ADDRESS: HC 18
New Milton, WV 26411

NAME: Barbara B. Adrian
ADDRESS: Same
Same

NAME: Robert S. Maxwell
ADDRESS: HC 18
West Union, WV 26456

NAME: _____
ADDRESS: _____

NAME: _____ NAME: _____
ADDRESS: _____

ADDRESS: _____

NAME: _____ NAME: _____
ADDRESS: _____

NAME: _____ NAME: _____
ADDRESS: _____

1. NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.

NAME: George W. Adrian
ADDRESS: HC 18
New Milton, WV 26411

NAME: _____
ADDRESS: _____

NAME: Robert S. Maxwell
ADDRESS: HC 18
West Union, WV 26456

NAME: _____
ADDRESS: _____

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

- (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.

NAME (PRINT): Megan E Ladfried

SIGNATURE: Megan E Ladfried DATE: April 7 2014

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

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

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: _____

Dated: _____

Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

Is located In Special Flood Hazard Area.
FIRM zone designation _____
100-Year flood elevation is: _____ NGVD (MSL)

Unavailable

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 elevation _____ Ft. 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 (type is or is not) in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED _____ DATE _____

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, 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

CONDITIONS: _____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued).

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

- 1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is _____ FT. NGVD (MSL)
- 2 Actual (As Built) elevation of floodproofing is _____ FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

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 _____

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE: _____ BY: _____

**CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)**

PERMIT NUMBER: _____
PERMIT DATE: _____

PURPOSE –

CONSTRUCTION LOCATION: _____

OWNER'S ADDRESS: _____

**THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN
ADMINISTRATOR/MANAGER OR HIS/HER AGENT.**

**COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE
FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF
DODDRIDGE COUNTY ON MAY 21, 2013.**

SIGNED _____ **DATE** _____

MATCH LINE - SEE SHEET 3

No.	Date	Revision

-DESIGN
 CAD File No.
 JM
 Drawn
 JWS
 Checked
 JMS
 Approved
 1" = 100'
 Scale:
 FEB 2014
 Date:
 11-0147-2803
 Project No.

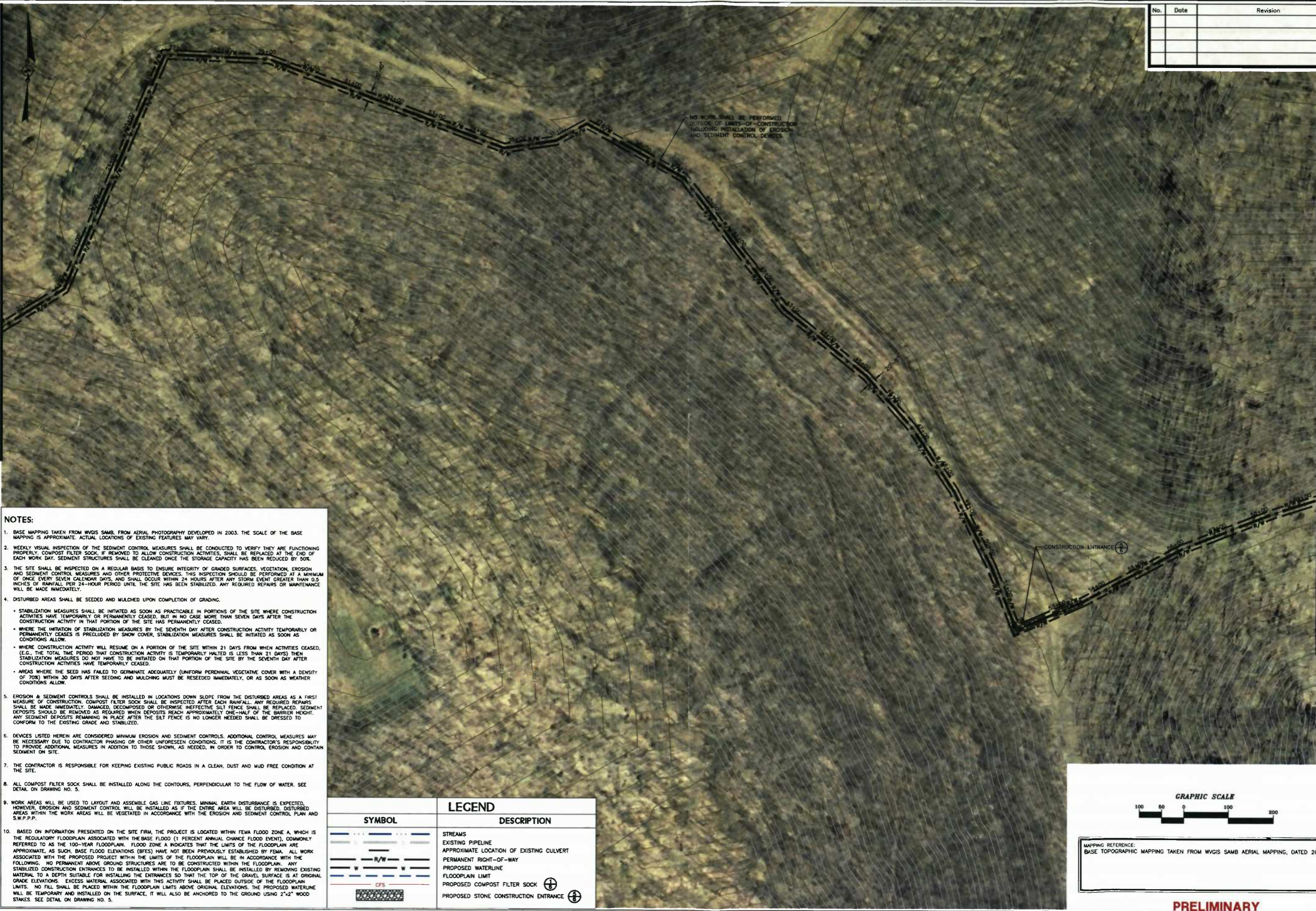
POTESTA & ASSOCIATES, INC.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 7012 MacCombs Ave. SE, Charleston, WV 25304
 TEL: (804) 842-1400 FAX: (804) 843-9031
 E-Mail Address: potesta@potesta.com



Client
 EQT PRODUCTION COMPANY
 115 PROFESSIONAL PLACE
 BRIDGEPORT, WEST VIRGINIA

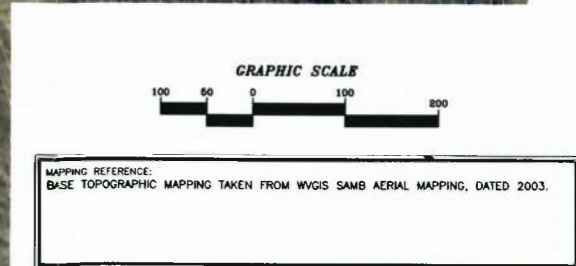
Title
 SITE PLAN
 EQT SMI 28 WATER LINE
 EROSION & SEDIMENT CONTROL PLAN
 DODDRIDGE COUNTY, WEST VIRGINIA

4
 Drawing No.



- NOTES:**
- BASE MAPPING TAKEN FROM WVGS SAMB FROM AERIAL PHOTOGRAPHY DEVELOPED IN 2003. THE SCALE OF THE BASE MAPPING IS APPROXIMATE. ACTUAL LOCATIONS OF EXISTING FEATURES MAY VARY.
 - WEEKLY VISUAL INSPECTION OF THE SEDIMENT CONTROL MEASURES SHALL BE CONDUCTED TO VERIFY THEY ARE FUNCTIONING PROPERLY. COMPOST FILTER SOCK, IF REMOVED TO ALLOW CONSTRUCTION ACTIVITIES, SHALL BE REPLACED AT THE END OF EACH WORK DAY. SEDIMENT STRUCTURES SHALL BE CLEANED ONCE THE STORAGE CAPACITY HAS BEEN REDUCED BY 50%.
 - THE SITE SHALL BE INSPECTED ON A REGULAR BASIS TO ENSURE INTEGRITY OF GRADED SURFACES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE DEVICES. THIS INSPECTION SHOULD BE PERFORMED AT A MINIMUM OF ONCE EVERY SEVEN CALENDAR DAYS, AND SHALL OCCUR WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAINFALL PER 24-HOUR PERIOD UNTIL THE SITE HAS BEEN STABILIZED. ANY REQUIRED REPAIRS OR MAINTENANCE WILL BE MADE IMMEDIATELY.
 - DISTURBED AREAS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF GRADING.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
 - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
 - AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RESEEDING IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.
 - EROSION & SEDIMENT CONTROLS SHALL BE INSTALLED IN LOCATIONS DOWN SLOPE FROM THE DISTURBED AREAS AS A FIRST MEASURE OF CONSTRUCTION. COMPOST FILTER SOCK SHALL BE INSPECTED AFTER EACH RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. DAMAGED, DECOMPOSED OR OTHERWISE INEFFECTIVE SILT FENCE SHALL BE REPLACED. SEDIMENT DEPOSITS SHOULD BE REMOVED AS REQUIRED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF OF THE BARRIER HEIGHT. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER NEEDED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE AND STABILIZED.
 - DEVICES LISTED HEREIN ARE CONSIDERED MINIMUM EROSION AND SEDIMENT CONTROLS. ADDITIONAL CONTROL MEASURES MAY BE NECESSARY DUE TO CONTRACTOR PHASING OR OTHER UNFORSEEN CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL MEASURES IN ADDITION TO THOSE SHOWN, AS NEEDED, IN ORDER TO CONTROL EROSION AND CONTAIN SEDIMENT ON SITE.
 - THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING PUBLIC ROADS IN A CLEAN, DUST AND MUD FREE CONDITION AT THE SITE.
 - ALL COMPOST FILTER SOCK SHALL BE INSTALLED ALONG THE CONTOURS, PERPENDICULAR TO THE FLOW OF WATER. SEE DETAIL ON DRAWING NO. 5.
 - WORK AREAS WILL BE USED TO LAYOUT AND ASSEMBLE GAS LINE FIXTURES. MINIMAL EARTH DISTURBANCE IS EXPECTED. HOWEVER, EROSION AND SEDIMENT CONTROL WILL BE INSTALLED AS IF THE ENTIRE AREA WILL BE DISTURBED. DISTURBED AREAS WITHIN THE WORK AREAS WILL BE VEGETATED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN AND S.W.P.P.P.
 - BASED ON INFORMATION PRESENTED ON THE SITE FROM THE PROJECT IS LOCATED WITHIN FEWA FLOOD ZONE A, WHICH IS THE REGULATORY FLOODPLAIN ASSOCIATED WITH THE BASE FLOOD (1 PERCENT ANNUAL CHANCE FLOOD EVENT), COMMONLY REFERRED TO AS THE 100-YEAR FLOODPLAIN. FLOOD ZONE A INDICATES THAT THE LIMITS OF THE FLOODPLAIN ARE APPROXIMATE, AS SUCH, BASE FLOOD ELEVATIONS (BFES) HAVE NOT BEEN PREVIOUSLY ESTABLISHED BY FEMA. ALL WORK ASSOCIATED WITH THE PROPOSED PROJECT WITHIN THE LIMITS OF THE FLOODPLAIN WILL BE IN ACCORDANCE WITH THE FOLLOWING: NO PERMANENT ABOVE GROUND STRUCTURES ARE TO BE CONSTRUCTED WITHIN THE FLOODPLAIN. ANY STABILIZED CONSTRUCTION ENTRANCES TO BE INSTALLED WITHIN THE FLOODPLAIN SHALL BE INSTALLED BY REMOVING EXISTING MATERIAL TO A DEPTH SUITABLE FOR INSTALLING THE ENTRANCES SO THAT THE TOP OF THE GRAVEL SURFACE IS AT ORIGINAL GRADE ELEVATIONS. EXCESS MATERIAL ASSOCIATED WITH THIS ACTIVITY SHALL BE PLACED OUTSIDE OF THE FLOODPLAIN LIMITS. NO FILL SHALL BE PLACED WITHIN THE FLOODPLAIN LIMITS ABOVE ORIGINAL ELEVATIONS. THE PROPOSED WATERLINE WILL BE TEMPORARY AND INSTALLED ON THE SURFACE. IT WILL ALSO BE ANCHORED TO THE GROUND USING 2"x2" WOOD STAKES. SEE DETAIL ON DRAWING NO. 5.

SYMBOL	DESCRIPTION
	STREAMS
	EXISTING PIPELINE
	APPROXIMATE LOCATION OF EXISTING CULVERT
	PERMANENT RIGHT-OF-WAY
	PROPOSED WATERLINE
	FLOODPLAIN LIMIT
	PROPOSED COMPOST FILTER SOCK
	PROPOSED STONE CONSTRUCTION ENTRANCE



MATCH LINE - SEE SHEET 5

10/2/20/2 DATE ISSUE

PRELIMINARY

11-0147-2803 EQT SMI 28 WATER LINE EROSION & SEDIMENT CONTROL PLAN DODDRIDGE COUNTY, WEST VIRGINIA
 DATE: FEB 2014
 SCALE: 1" = 100'
 DRAWN BY: JMS
 CHECKED BY: JWS
 APPROVED BY: JMS

MATCH LINE - SEE SHEET 4

No.	Date	Revision

-DESIGN
 CAD File No.
 JM
 Drawn
 JWS
 Checked
 JMS
 Approved
 1" = 100'
 Scale:
 FEB 2014
 Date:
 11-0147-2803
 Project No.

POTESTA & ASSOCIATES, INC.
 ENGINEERS AND ENVIRONMENTAL CONSULTANTS
 7012 MacCorkle Ave. SE, Charleston, WV 25304
 TEL: (864) 342-1400 FAX: (864) 343-9031
 E-Mail Address: potesta@potesta.com



ISSUE DATE 2/20/2014
 EQT PRODUCTION COMPANY
 115 PROFESSIONAL PLACE
 BRIDGEPORT, WEST VIRGINIA

Client
 Title
 SITE PLAN
 EQT SMI 28 WATER LINE
 EROSION & SEDIMENT CONTROL PLAN
 DODDRIDGE COUNTY, WEST VIRGINIA

3
 Drawing No.

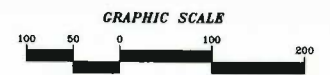


NO WORK SHALL BE PERFORMED OUTSIDE OF LIMITS OF CONSTRUCTION INCLUDING INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES.

NOTES:

1. BASE MAPPING TAKEN FROM WVGIS S&MB, FROM AERIAL PHOTOGRAPHY DEVELOPED IN 2003. THE SCALE OF THE BASE MAPPING IS APPROXIMATE. ACTUAL LOCATIONS OF EXISTING FEATURES MAY VARY.
2. WEEKLY VISUAL INSPECTION OF THE SEDIMENT CONTROL MEASURES SHALL BE CONDUCTED TO VERIFY THEY ARE FUNCTIONING PROPERLY. COMPOST FILTER SOCK, IF REMOVED TO ALLOW CONSTRUCTION ACTIVITIES, SHALL BE REPLACED AT THE END OF EACH WORK DAY. SEDIMENT STRUCTURES SHALL BE CLEANED ONCE THE STORAGE CAPACITY HAS BEEN REDUCED BY 50%.
3. THE SITE SHALL BE INSPECTED ON A REGULAR BASIS TO ENSURE INTEGRITY OF GRADED SURFACES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE DEVICES. THIS INSPECTION SHOULD BE PERFORMED AT A MINIMUM OF ONCE EVERY SEVEN CALENDAR DAYS, AND SHALL OCCUR WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAINFALL PER 24-HOUR PERIOD UNTIL THE SITE HAS BEEN STABILIZED. ANY REQUIRED REPAIRS OR MAINTENANCE WILL BE MADE IMMEDIATELY.
4. DISTURBED AREAS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF GRADING.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
 - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
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6. DEVICES LISTED HEREIN ARE CONSIDERED MINIMUM EROSION AND SEDIMENT CONTROLS. ADDITIONAL CONTROL MEASURES MAY BE NECESSARY DUE TO CONTRACTOR PHASING OR OTHER UNFORESEEN CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADDITIONAL MEASURES IN ADDITION TO THOSE SHOWN, AS NEEDED, IN ORDER TO CONTROL EROSION AND CONTAIN SEDIMENT ON SITE.
7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING PUBLIC ROADS IN A CLEAN, DUST AND MUD FREE CONDITION AT THE SITE.
8. ALL COMPOST FILTER SOCK SHALL BE INSTALLED ALONG THE CONTOURS, PERPENDICULAR TO THE FLOW OF WATER. SEE DETAIL ON DRAWING NO. 5.
9. WORK AREAS WILL BE USED TO LAYOUT AND ASSEMBLE GAS LINE FIXTURES. MINIMAL EARTH DISTURBANCE IS EXPECTED. HOWEVER, EROSION AND SEDIMENT CONTROL WILL BE INSTALLED AS IF THE ENTIRE AREA WILL BE DISTURBED. DISTURBED AREAS WITHIN THE WORK AREAS WILL BE VEGETATED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN AND S.W.P.P.P.
10. BASED ON INFORMATION PRESENTED ON THE SITE FIRM, THE PROJECT IS LOCATED WITHIN FEMA FLOOD ZONE A, WHICH IS THE REGULATORY FLOODPLAIN ASSOCIATED WITH THE BASE FLOOD (1 PERCENT ANNUAL CHANCE FLOOD EVENT), COMMONLY REFERRED TO AS THE 100-YEAR FLOODPLAIN. FLOOD ZONE A INDICATES THAT THE LIMITS OF THE FLOODPLAIN ARE APPROXIMATE, AS SUCH, BASE FLOOD ELEVATIONS (BFE'S) HAVE NOT BEEN PREVIOUSLY ESTABLISHED BY FEMA. ALL WORK ASSOCIATED WITH THE PROPOSED PROJECT WITHIN THE LIMITS OF THE FLOODPLAIN WILL BE IN ACCORDANCE WITH THE FOLLOWING. NO PERMANENT ABOVE GROUND STRUCTURES ARE TO BE CONSTRUCTED WITHIN THE FLOODPLAIN. ANY STABILIZED CONSTRUCTION ENTRANCES TO BE INSTALLED WITHIN THE FLOODPLAIN SHALL BE INSTALLED BY REMOVING EXISTING MATERIAL TO A DEPTH SUITABLE FOR INSTALLING THE ENTRANCES SO THAT THE TOP OF THE GRAVEL SURFACE IS AT ORIGINAL GRADE ELEVATIONS. EXCESS MATERIAL ASSOCIATED WITH THIS ACTIVITY SHALL BE PLACED OUTSIDE OF THE FLOODPLAIN LIMITS. NO FILL SHALL BE PLACED WITHIN THE FLOODPLAIN LIMITS ABOVE ORIGINAL ELEVATIONS. THE PROPOSED WATERLINE WILL BE TEMPORARY AND INSTALLED ON THE SURFACE, IT WILL ALSO BE ANCHORED TO THE GROUND USING 2"x2" WOOD STAKES. SEE DETAIL ON DRAWING NO. 5.

LEGEND	
SYMBOL	DESCRIPTION
	STREAMS
	EXISTING PIPELINE
	APPROXIMATE LOCATION OF EXISTING CULVERT
	PERMANENT RIGHT-OF-WAY
	PROPOSED WATERLINE
	FLOODPLAIN LIMIT
	PROPOSED COMPOST FILTER SOCK
	PROPOSED STONE CONSTRUCTION ENTRANCE



MAPPING REFERENCE:
 BASE TOPOGRAPHIC MAPPING TAKEN FROM WVGIS S&MB AERIAL MAPPING, DATED 2003.

DATE: 02/20/2014 11:01:00 AM
 USER: JMS
 PROJECT: EQT SMI 28 WATER LINE
 DRAWING: EQT SMI 28 WATER LINE
 EROSION & SEDIMENT CONTROL PLAN
 DODDRIDGE COUNTY, WEST VIRGINIA