

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: # 16-410

West Union

Date Approved: 02/17/2016



Expires: 02/17/2017

Issued to: Cone Gathering, LLC

POC: Adam White - 724-627-1300

**Company Address: One Energy Drive, P.O. Box 1248
Jane Lew, WV 26378**

**Project Address: Begins at OX 17 Well Pad alignment in a westerly direction until in reaches
the Sherwood South Pipeline.**

Firm:

Lat/Long: 39.183556N/80.758926W to 39.183633N/80.765799W

Purpose of development: Pipeline

Issued by: George C Eidel, Doddridge County FPM (or designee)

Date: 02/17/2016

For additional information regarding this permit, please contact
Doddridge County Floodplain Manager at 304.873.2631, or via email at
doddridgecountyfpm@gmail.com

108 Court Street Ste 1; West Union, WV 26456



800 Bursca Drive, Suite 804
 Bridgeville, Pennsylvania 15017-1451
 (412) 221-2236
 www.cesoinc.com

16-410

FILED

2016 JAN 15 AM 10:42

BETH A. ROGERS
 COUNTY CLERK
 DODDRIDGE COUNTY, WV

January 11, 2016

Mr. George Eidel
 Doddridge County Floodplain Manager
 118 East Court Street
 West Union, WV 26456

**RE: Cone Gathering- OX17 Pipeline
 Doddridge County Floodplain Permit**

Dear Mr. Eidel:

CESO, Inc. (CESO) is pleased to submit this information for a Doddridge County Floodplain Permit for the proposed Ox17 Pipeline. **Cone Gathering, LLC** (Cone), is proposing to construct a new pipeline gathering system within a portion of Doddridge County, West Virginia. The proposed project will begin at the proposed OX17 well pad at 39.183556 N Latitude, 80.758926 W Longitude (NAD83) which lies northeast of the intersection of South Fork Hughes River Road and Cain Run Road. The proposed alignment traverses in a general westerly direction, prior to reaching its terminus at the proposed Sherwood South pipeline at 39.183633N Latitude, 80.765799 W Longitude (NAD83). The proposed line will be approximately 0.43 miles long. A 12-inch gas line and two 16-inch water lines will be placed in the proposed alignment.

CESO has identified a total of two crossings of unnamed waterways in Doddridge County as a result of this project. The Doddridge County Development Permit Application further describing project characteristics is presented in Attachment 1. A map depicting the proposed alignment location, as well as a table and map identifying stream crossings, are also provided.

Waterway crossings associated with the pipeline installation will be the result of open cutting and culvert replacement in the stream channel. However, all waterways will be returned to their pre-disturbance plan, profile, and dimension after the pipe has been installed. In addition, proper construction sequencing and implementation of an approved erosion and sediment control plan will ensure water quality impacts are minimized throughout the project area and the proposed activities are in compliance with Nationwide Permit General Conditions and Regional General Conditions.

Should you have any questions or comments please don't hesitate to contact me at 330-606-5070 or through email at ross@cesoinc.com.

Sincerely,

CESO, Inc.

Amy D. Ross

Amy Ross
 Project Biologist

2016 JAN 12 PM 2:25
 BETH A. ROGERS
 COUNTY CLERK
 DODDRIDGE COUNTY, WV

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 *Philip Minkstern* Midstream Permitting Manager

DATE 1/11/2016

SECTION 2: PROPOSED 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: Cone Gathering, LLC
 ADDRESS: c/o Adam White, One Energy Drive PO Box 1248 Jane Lew, WV 26378
 TELEPHONE NUMBER: 724.627.1300

CONTRACTOR NAME: _____
 ADDRESS: _____
 TELEPHONE # _____
 WV CONTRACTOR LICENCE # _____

ENGINEER'S NAME: CESO, Inc.
 ADDRESS: 2800 Corporate Exchange Drive, Suite 160, Columbus, OH 43231
 TELEPHONE NUMBER: 614.794.7080

PROJECT LOCATION:

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see Attachment A.

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Please see Attachment A.

DISTRICT: Please see Attachment A.

LAND BOOK DESCRIPTION: Please see Attachment A.

DEED BOOK REFERENCE: Please see Attachment A.

TAX MAP REFERENCE: Please see Attachment A.

EXISTING BUILDINGS/USES OF PROPERTY: Please see Attachment A.

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Please see Attachment A.

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY Please see Attachment A.

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

The proposed pipeline gathering system is located within a portion of Doddridge County, West Virginia. The proposed project will begin at the OX17 natural gas well pad near 39.183556 N Latitude, 80.758926 W Longitude (NAD83), which lies northeast of the intersection of South Fork Hughes River Road and Cain Run Road. The proposed alignment traverses in a general westerly direction, prior to reaching its terminus at the proposed Sherwood South pipeline at 39.183633N Latitude, 80.765799 W Longitude (NAD83). The proposed line will be approximately 0.43 miles long. A 12-inch gas line and two 16-inch water lines will be placed in the proposed alignment.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY

STRUCTURAL TYPE

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

B. OTHER DEVELOPMENT ACTIVITIES:

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

C. STANDARD SITE PLAN OR SKETCH

1. SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED (ENGINEERING PLANS MUST BE SIGNED AND SEALED).

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. Please see Construction Plan and Erosion & Sediment Control Plan.

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT/ PROPOSED CONSTRUCTION PROJECT WITHIN THE FLOODPLAIN \$ 22,040 (See Attachment C for calculations)

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: Please see Attachment A.
ADDRESS: Please see Attachment A.

NAME: _____
ADDRESS: _____

NAME: _____
ADDRESS: _____

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: Attachment A
ADDRESS: _____

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): Amy Ross for CESO, Inc

SIGNATURE: Amy Ross

Digitally signed by Amy Ross
DN: cn=Amy Ross, o, ou,
email=ross@cesoinc.com, c=US
Date: 2016.01.11 13:59:19 -0500

DATE: _____

After completing SECTION 2, APPLICANT should submit form and fees to Clerk of Doddridge County Court 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 .
Stream name _____
Profile # _____

Unavailable

The proposed development is located in a floodway.

See section 4 for additional instructions.

SIGNED _____ DATE _____

SECTION 4: ADDITIONAL INFORMATION REQUIRED FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA (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 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 proofing 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 10 lots or 2 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.
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 Flood Hazard 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 appeal.

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.

2 Actual (As Built) elevation of floodproofing is _____ FT. NGVD.

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 _____



Legend
 — Proposed Pipeline
 — Access Roads
 □ USGS 24K Boundaries

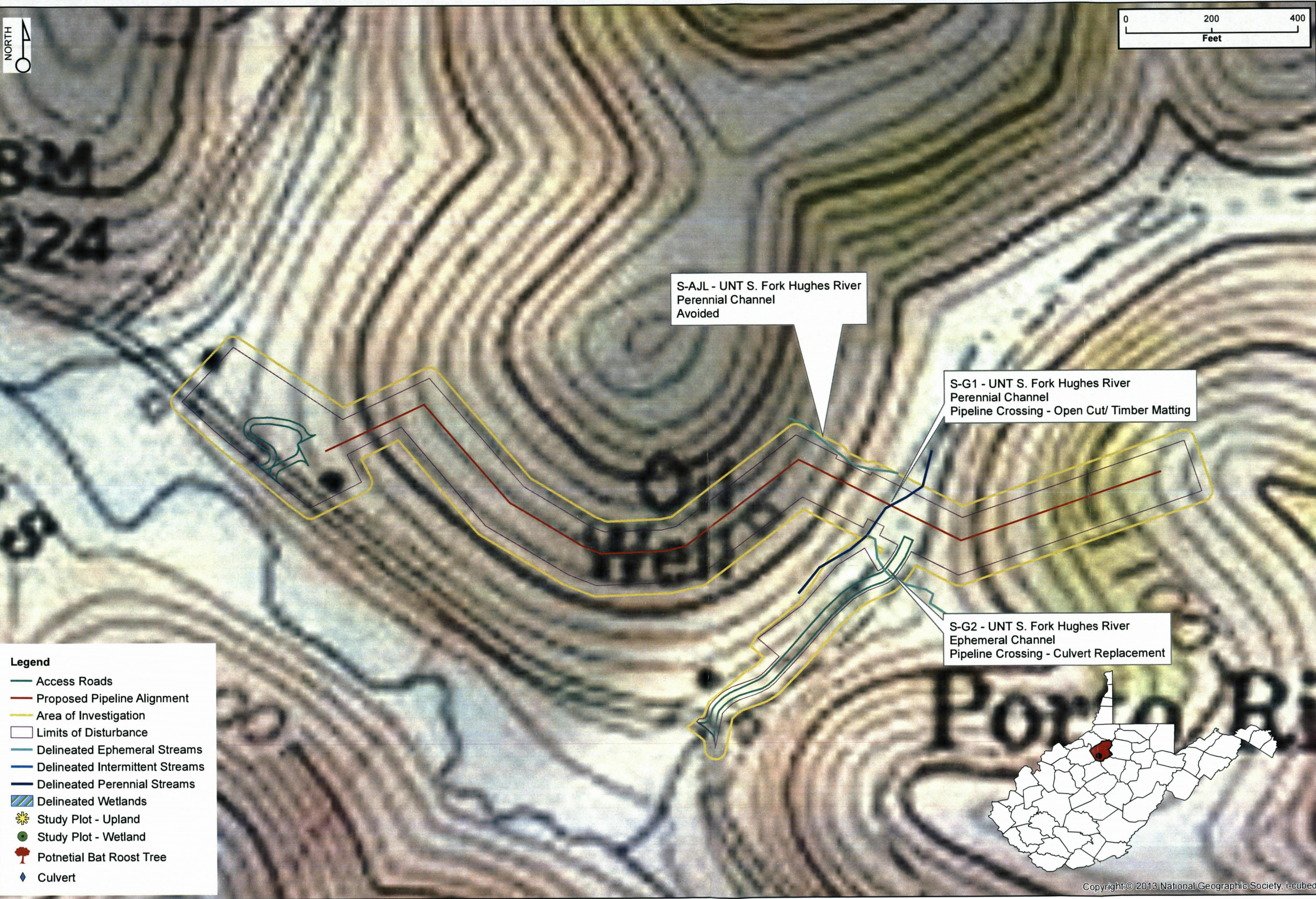
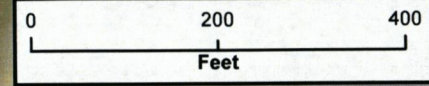
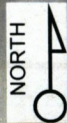
0 2,000 4,000
 Feet

OX17 Pipeline

Location Map
 Oxford, WV Quad
 Doddridge County, West Virginia



Date: 07/02/2015
 By: A. Ross

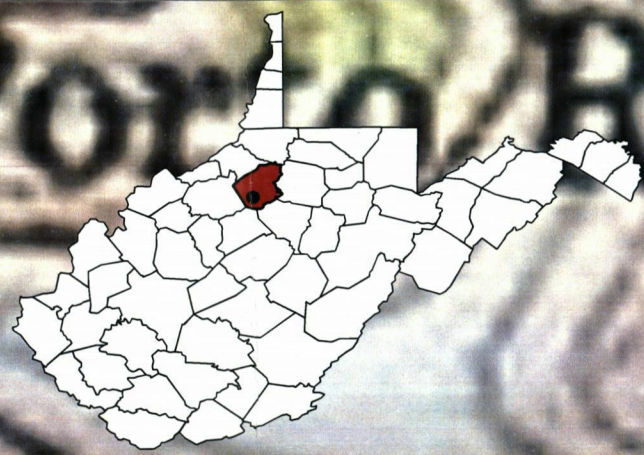


- Legend**
- Access Roads
 - Proposed Pipeline Alignment
 - Area of Investigation
 - Limits of Disturbance
 - Delineated Ephemeral Streams
 - Delineated Intermittent Streams
 - Delineated Perennial Streams
 - Delineated Wetlands
 - Study Plot - Upland
 - Study Plot - Wetland
 - Potnetial Bat Roost Tree
 - Culvert

S-AJL - UNT S. Fork Hughes River
Perennial Channel
Avoided

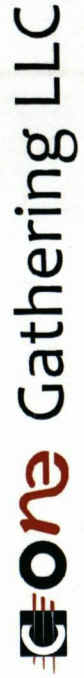
S-G1 - UNT S. Fork Hughes River
Perennial Channel
Pipeline Crossing - Open Cut/ Timber Matting

S-G2 - UNT S. Fork Hughes River
Ephemeral Channel
Pipeline Crossing - Culvert Replacement



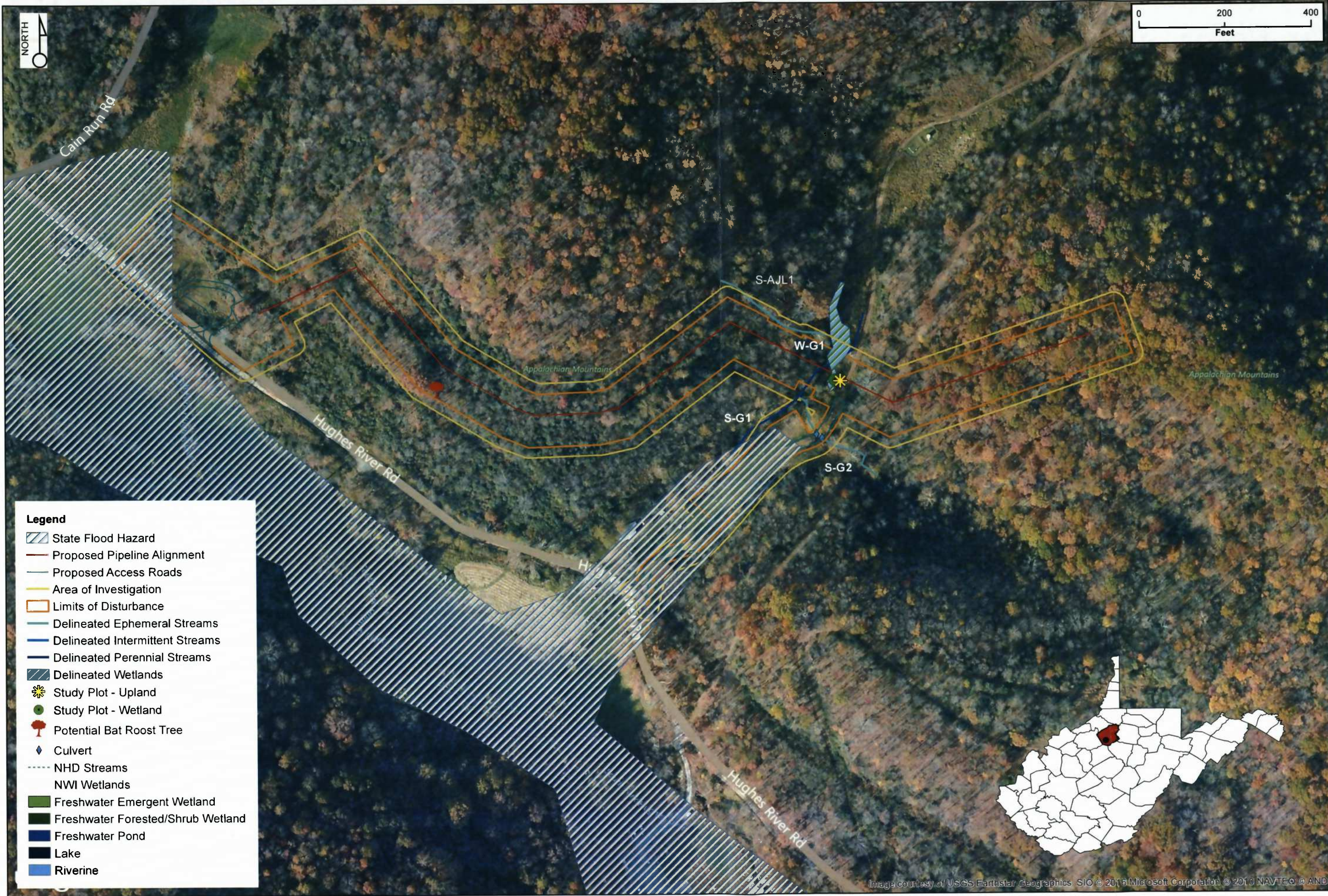
OX17 Pipeline

Stream Crossing Map
Doddridge County, West Virginia



Date: 07/2/2015
By: A.Ross

Copyright:© 2013 National Geographic Society, i-cubed






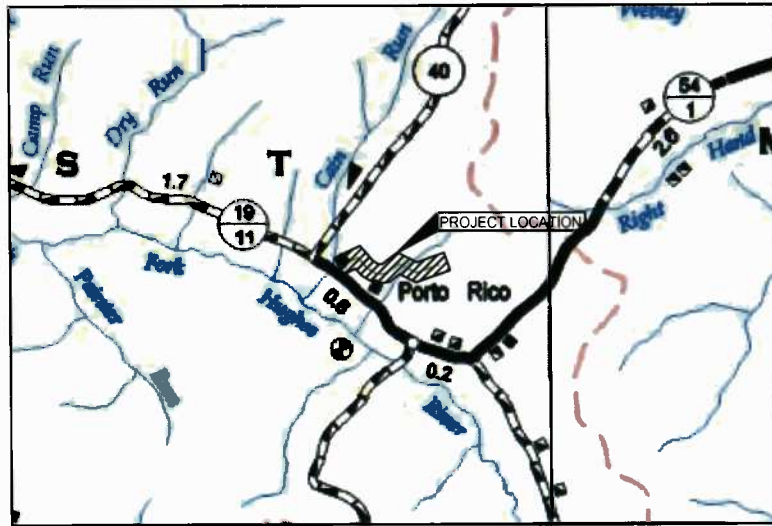
- Legend**
-  State Flood Hazard
 -  Proposed Pipeline Alignment
 -  Proposed Access Roads
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 -  Limits of Disturbance
 -  Delineated Ephemeral Streams
 -  Delineated Intermittent Streams
 -  Delineated Perennial Streams
 -  Delineated Wetlands
 -  Study Plot - Upland
 -  Study Plot - Wetland
 -  Potential Bat Roost Tree
 -  Culvert
 -  NHD Streams
 -  NWI Wetlands
 -  Freshwater Emergent Wetland
 -  Freshwater Forested/Shrub Wetland
 -  Freshwater Pond
 -  Lake
 -  Riverine

Image courtesy of USGS Earthstar Geographics SIO © 2016 Microsoft Corporation © 2010 NAVTEQ © AND



VICINITY MAP
NOT TO SCALE

OX17 PIPELINE

DODDRIDGE COUNTY

WEST VIRGINIA

APPROX. START POINT: STA 0+00
(NAD 83) LAT: 39.183633 N / LONG: 80.785799 W
(UTM) (ZONE 17) NORTHING: 251525.91 / EASTING: 1609705.67

APPROX. END POINT: STA 22+54
(NAD 83) LAT: 39.183556 N / LONG: 80.758926 W
(UTM) (ZONE 17) NORTHING: 251470.28 / EASTING: 1611653.09



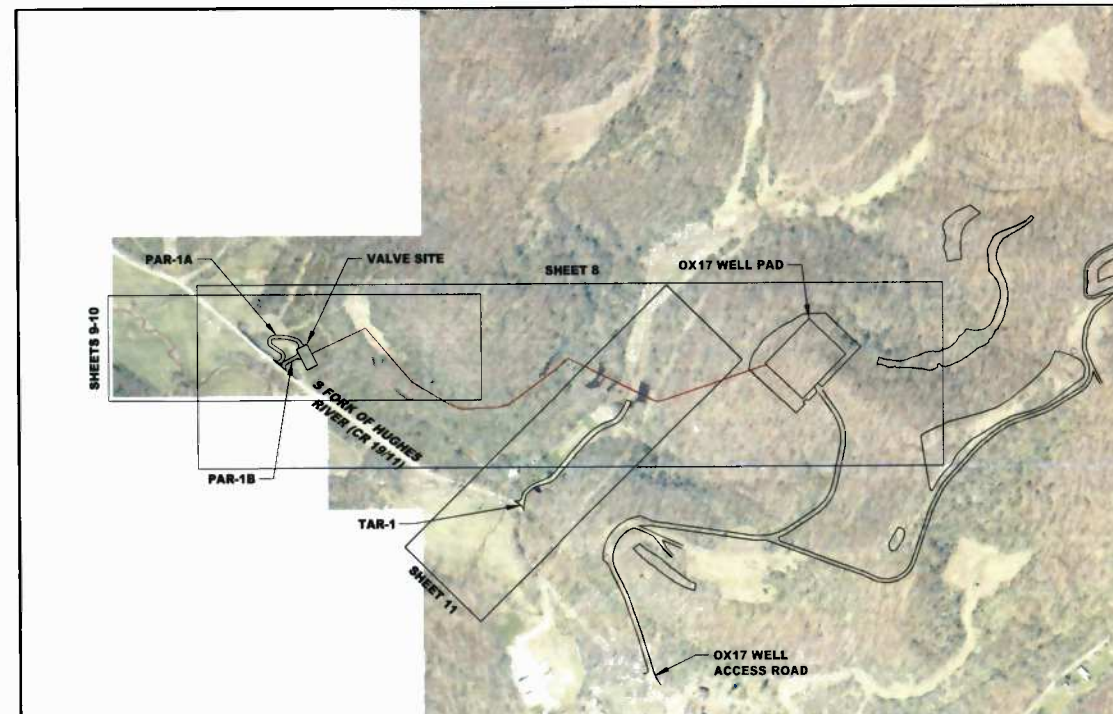
NOTES:

- THIS PLAN DOES NOT PURPORT TO BE A COMPREHENSIVE REPRESENTATION OF EXISTING UTILITIES IN THE PROJECT AREA. UTILITIES SHOWN ARE BEING PROVIDED FOR INFORMATIONAL PURPOSES ONLY. BASED ON SURFACE FEATURES OBSERVED IN THE FIELD. CESO, INC. MAKES NO GUARANTEE TO THEIR ACCURACY AND/OR COMPLETENESS. FORTY-EIGHT (48) HOURS BEFORE DIGGING IS TO COMMENCE. THE CONTRACTOR SHALL NOTIFY THE STATEWIDE ONE CALL SYSTEM, MISS UTILITY OF WEST VIRGINIA, INC. (WV811) AT 1-800-245-4848. THE CONTRACTOR SHALL ALSO NOTIFY ALL OTHER AGENCIES WHICH MIGHT HAVE UNDERGROUND UTILITIES IN THE PROJECT AREA AND ARE NON-MEMBERS OF WV811.
- QUANTITIES LISTED ARE BASED ON SLOPE LENGTH. CONTRACTOR SHALL VERIFY ALL QUANTITIES.

DRAWING INDEX	
DESCRIPTION	SHEET NUMBER
COVER SHEET	1
SWPPP NOTES	2-3
SWPPP DETAILS	4-7
PIPELINE PLAN	8
ACCESS ROAD PLAN AND PROFILE	9-11
E&S TABLES AND QUANTITIES	12

VERTICAL DATUM NOTE
VERTICAL CONTROL IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

PLAN REPRODUCTION WARNING
THE PLANS HAVE BEEN CREATED ON ANSI D (22" x 34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.
THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR SHALL NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.
WARNING INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.



PROJECT AREA MAP



UTILITY OWNERS

- NOTES:
- CONTRACTOR SHALL CALL THE STATEWIDE ONE CALL SYSTEM, MISS UTILITY OF WEST VIRGINIA, INC. (WV811) AT 1-800-245-4848 72 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
 - UTILITIES SHOWN ARE TAKEN FROM THE SURVEY AND RECORDS OF RESPECTIVE UTILITY COMPANIES AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR UPON SITE SHOWN ON PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE.

DOMINION TRANSMISSION
445 W MAIN STREET
CLARKSBURG, WV 26301
STEVEN D. GUM
304-782-5024
Steven.D.Gum@Dom.com

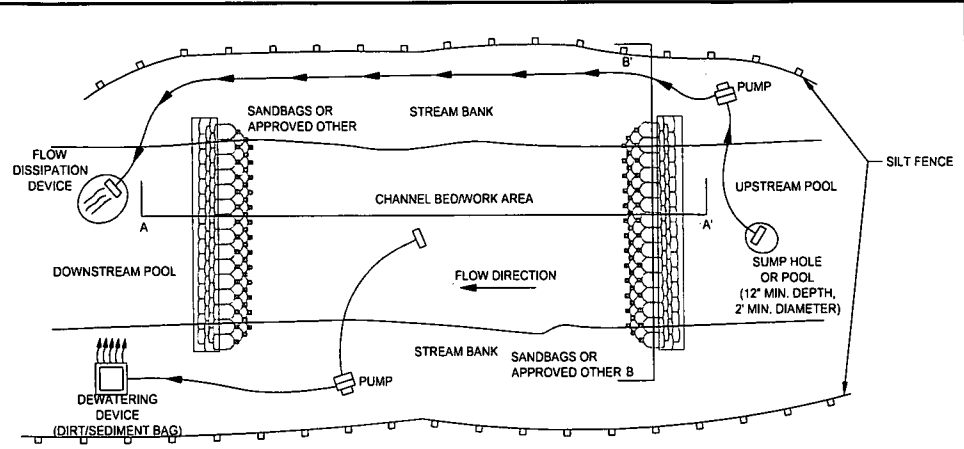
KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452
304-269-7102



APPROVED BY CONE GATHERING, LLC:

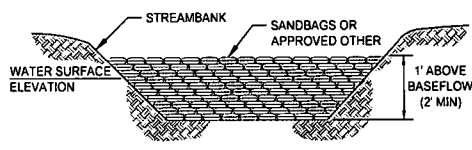
REPRESENTATIVE _____ DATE _____

FAP 07/01/15 DATE	SUMMARY OF MATERIALS <table border="1"> <thead> <tr> <th>MRKR #</th> <th>QTY.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2318</td> <td>PIPELINE (SLOPE LENGTH)</td> </tr> <tr> <td>2</td> <td>8</td> <td>ELBOW, 45° SEGMENTABLE FITTING</td> </tr> <tr> <td>3</td> <td>2</td> <td>PIPELINE MARKER</td> </tr> </tbody> </table>	MRKR #	QTY.	DESCRIPTION	1	2318	PIPELINE (SLOPE LENGTH)	2	8	ELBOW, 45° SEGMENTABLE FITTING	3	2	PIPELINE MARKER	REFERENCE DRAWINGS <table border="1"> <thead> <tr> <th>DWG.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	DWG.	DESCRIPTION			REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>08/17/15</td> <td>REVISED PER DEP COMMENTS</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	08/17/15	REVISED PER DEP COMMENTS	 Engineering • Architecture • Survey • Construction Mgt • Environmental	OX17 PIPELINE COVER SHEET STATION(S): N/A	 ONE ENERGY DRIVE JANE LEW, WV 26378	DATE: 07/01/15 JOB NO.: 751022 DESIGN: CJS DRAWN: CJS CHECKED: BJM SHEET NO. 1 of 12
	MRKR #	QTY.	DESCRIPTION																										
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2	8	ELBOW, 45° SEGMENTABLE FITTING																											
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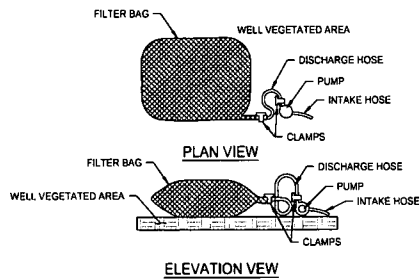


PLAN VIEW

SECTION A-A



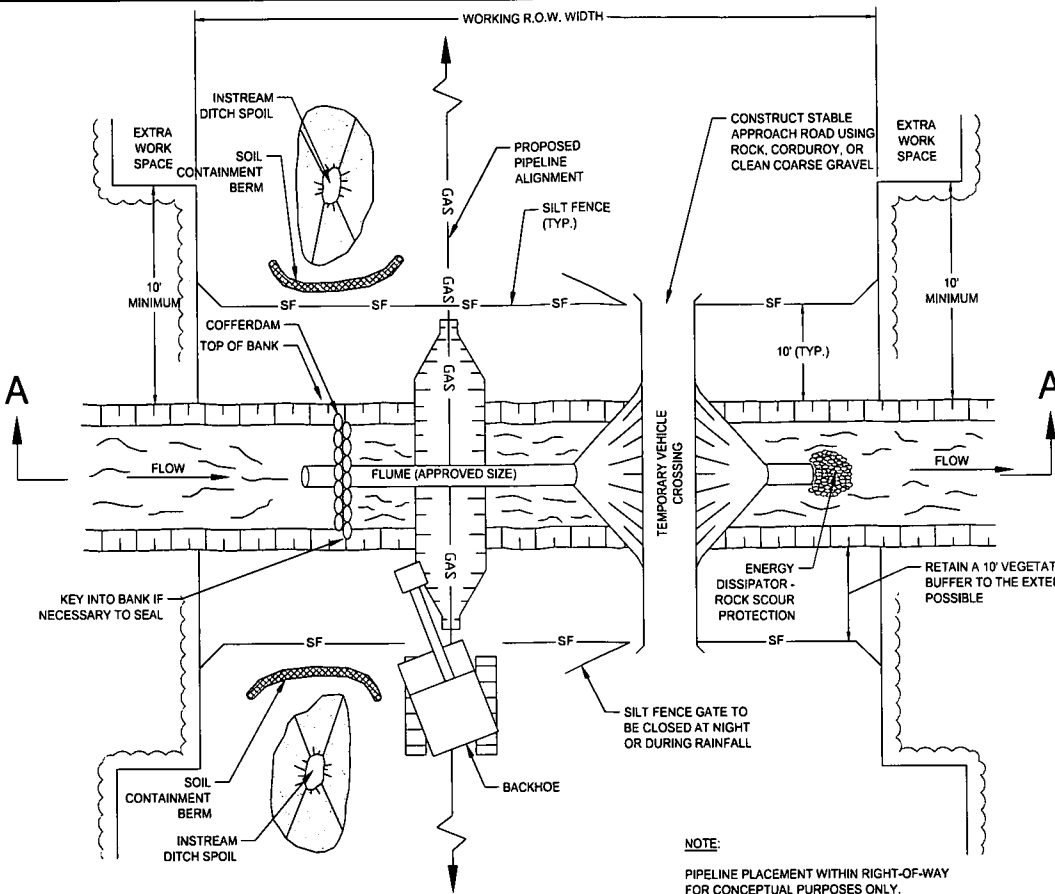
SECTION B-B



SEDIMENT FILTER BAG

(A) STREAM CROSSING PUMP AROUND DETAIL
NOT TO SCALE

1. FILTER BAGS SHALL BE MADE FROM NONWOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
2. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY COME 1/2 FULL. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED.
3. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE INTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE FLOW PATH SHALL BE PROVIDED. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%.
4. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED.
5. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHOULD BE FLOATING AND SCREENED.

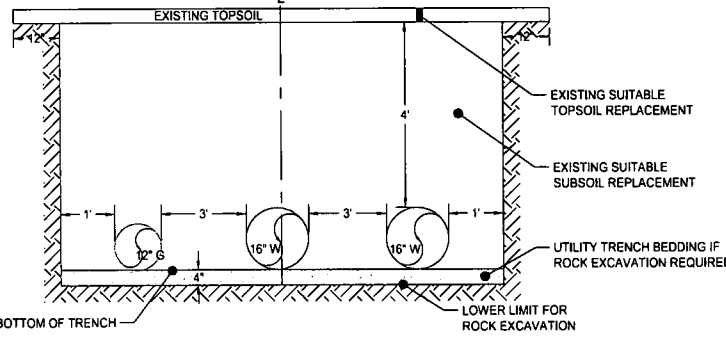
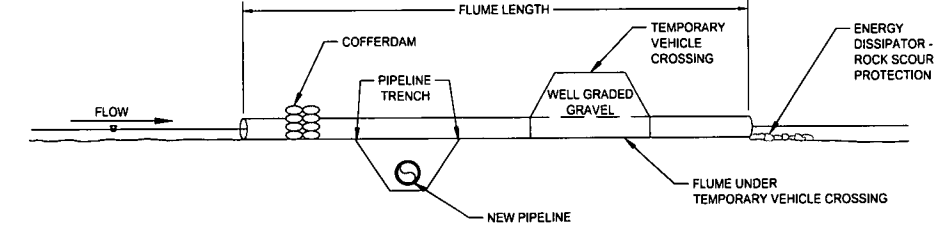


PLAN VIEW

SECTION A-A

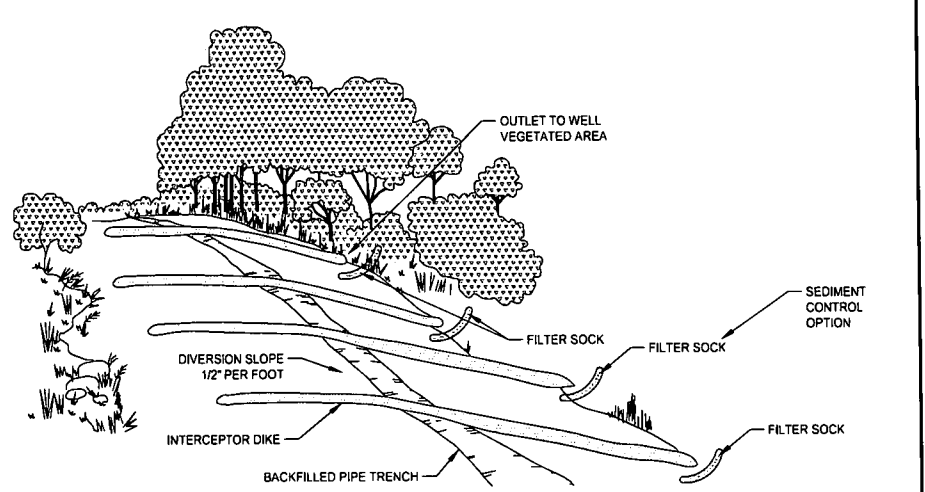
(B) FLUME PIPE AND COFFERDAM
NOT TO SCALE

NOTE:
PIPELINE PLACEMENT WITHIN RIGHT-OF-WAY FOR CONCEPTUAL PURPOSES ONLY.



(D) TRENCH DETAIL
NOT TO SCALE

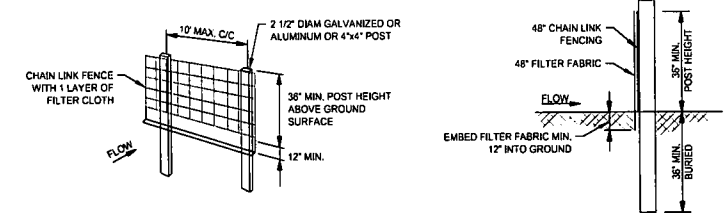
- NOTES:
1. WHEN TRENCH EXCAVATION TAKES PLACE IN AN AGRICULTURAL, WETLAND, OR RESIDENTIAL AREA, THEN SEGREGATION OF TOPSOIL AND SUBSOIL WILL BE PERFORMED. PLACE TRENCH PLUGS AT THE REQUIRED SPACING DURING UTILITY INSTALLATION. FOLLOW STREAM AND WETLAND CROSSING DETAILS LOCATED ON THE EROSION AND SEDIMENT CONTROL DRAWINGS FOR UTILITY CROSSINGS OF THESE FEATURES. SEE STREAM CROSSING PROCEDURES AND WETLAND CROSSING PROCEDURES FOR ADDITIONAL INFORMATION ON WATER BODY AND WETLAND CROSSING. DURING CONSTRUCTION, INSTALL AND MAINTAIN ANY ADDITIONAL EROSION AND SEDIMENT CONTROL BMPs AND IMPLEMENT STRUCTURAL POST CONSTRUCTION STORMWATER BMPs (PERMANENT WATERBARS) THAT MAY BE REQUIRED. SEE UTILITY LINE INSTALLATION REQUIREMENTS NOTES FOR LIMITS OF WORK.
 2. ANY WATER ENCOUNTERED WITHIN THE EXCAVATION AREAS DURING CONSTRUCTION SHALL BE REMOVED BY USING PUMPS, HOSES, AND PUMPED WATER FILTER BAGS WHICH SHALL BE DISCHARGED INTO UNDISTURBED WELL-VEGETATED UPLAND AREAS.
 3. BACKFILL AREAS EXCAVATED FOR THE INSTALLATION OF UTILITIES WITH SUITABLE EXCAVATED MATERIAL, IN AREAS WHERE TOPSOIL HAS BEEN SEGREGATED, THE SUBSOIL SHALL BE REPLACED FIRST, FOLLOWED BY THE TOPSOIL BEING SPREAD OVER THE AREA FROM WHICH IT WAS REMOVED. FINAL GRADES SHALL BE THE SAME AS PRE-CONSTRUCTION CONTOURS.
 4. EXISTING SUITABLE SUBSOIL.
 - 4.1. ASTM D2487 CLASSIFICATION GW, GP, GM, GC, SW, SP, SM, SC, CL WITH A MAXIMUM OF 25 PERCENT BY WEIGHT PASSING ASTM D 1140, NO. 200 SIEVE CAPABLE OF BEING COMPACTED AS DESCRIBED HEREIN.
 - 4.2. SOIL MATERIAL FREE OF DEBRIS, ROOTS, WOOD, SCRAP METAL, VEGETATION, REFUSE, SOFT UNSOUND PARTICLES, AND FROZEN DELETERIOUS OR OBJECTIONABLE MATERIALS. THE MAXIMUM PARTICLE DIAMETER SHALL BE 1/2 THE LIFT THICKNESS.
 - 4.3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER TESTING AND DOCUMENTATION SHOWING BACKFILL PLACEMENT MEETS THE STANDARDS OUTLINED ABOVE.
 5. AFTER CONSTRUCTION IS COMPLETE, FINAL SEEDING AND MULCHING OF ALL DISTURBED AREAS NOT YET STABILIZED SHALL BE COMPLETED. INSTALL EROSION CONTROL BLANKETING ON SLOPES WHICH ARE 3:1 OR STEEPER. STABILIZE AND SEED ALL OPEN AREAS INCLUDING BORROW AND SPOIL AREAS.



(C) STANDARD WATER BAR DETAIL
NOT TO SCALE

1. THE MINIMUM WATER BAR DIMENSIONS SHALL BE TOP WIDTH OF BERM/DIKE - 2 FEET MINIMUM. HEIGHT/DEPTH - 8 INCHES UNLESS OTHERWISE NOTED ON PLANS.
2. THE SPACING BETWEEN WATER BARS SHALL BE AS NOTED:

PIPELINE GRADE (%)	SPACING IN FEET
< 5	300
5	175
10	125
15	100
20	75
25	75
3. THE FIELD LOCATION SHALL BE ADJUSTED AS NEEDED TO PROVIDE A STABILIZED SAFE OUTLET.
4. THE DIVERTED RUNOFF SHALL BE DIRECTED ONTO AN UNDISTURBED VEGETATION AREA, TO A SETTLING TRAP OR BASIN OR TRAP IF CONTRIBUTING AREA IS STABLE.
5. DIVERSIONS/DIKES SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT DURING CONSTRUCTION.
6. THE WATER BAR SHALL BE ANGLED SLIGHTLY DOWN SLOPE ACROSS THE CENTERLINE OF THE PIPELINE RIGHT OF WAY.
7. REFER TO MAINTENANCE PROGRAMS NOTES FOR MAINTENANCE PROCEDURES.
8. UNTIL AREA IS STABILIZED, USE SEDIMENT CONTROL OPTIONS SHOWN.
9. REMOVE ALL SEDIMENT CONTROL OPTIONS ONCE SITE IS STABILIZED.



(E) SUPER SILT FENCE DETAIL
NOT TO SCALE

- NOTES:
1. FENCING SHALL BE 48 INCHES IN HEIGHT AND CONSTRUCTED IN ACCORDANCE WITH THE WYDOT DIVISION OF HIGHWAYS SPECIFICATION FOR CHAIN LINK FENCING. THE DOT SPECIFICATION FOR A 6-FOOT FENCE SHALL BE USED, SUBSTITUTING 48-INCH FABRIC AND 6-FOOT FENCE POSTS. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS FOR 15.11.5AASHTO M 288, SECTION 7, CLASS 1.
 - 1.1. THE POLES TO NOT NEED TO SET IN CONCRETE.
 - 1.2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
 - 1.3. GEOTEXTILE FABRIC SHALL BE FASTENED SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT THE TOP AND MID SECTION.
 - 1.4. GEOTEXTILE FABRIC SHALL BE EMBEDDED A MINIMUM OF 12" INTO THE GROUND.
 - 1.5. WHEN TWO SECTIONS OF GEOTEXTILE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - 1.6. METAL POSTS AS SPECIFIED BY DOH CAN BE REPLACED BY PRESSURE TREATED 4"x4" POSTS.
 2. MAINTENANCE
 - 2.1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL, DAILY DURING PROLONGED RAINFALL AND ONCE A WEEK DURING DRY PERIODS. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 - 2.2. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE, THE FABRIC SHALL BE PROMPTLY REPLACED.
 - 2.3. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
 3. IN AREAS OF DIRECT FLOW, FILTER SOCK SHOULD BE USED IN PLACE OF SUPER SILT FENCE.

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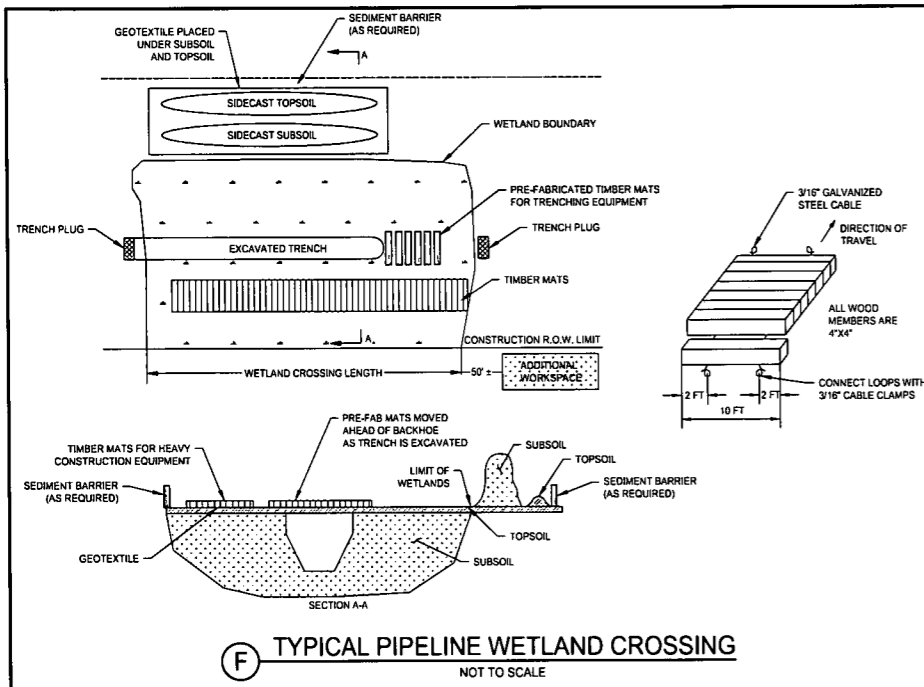
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MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION



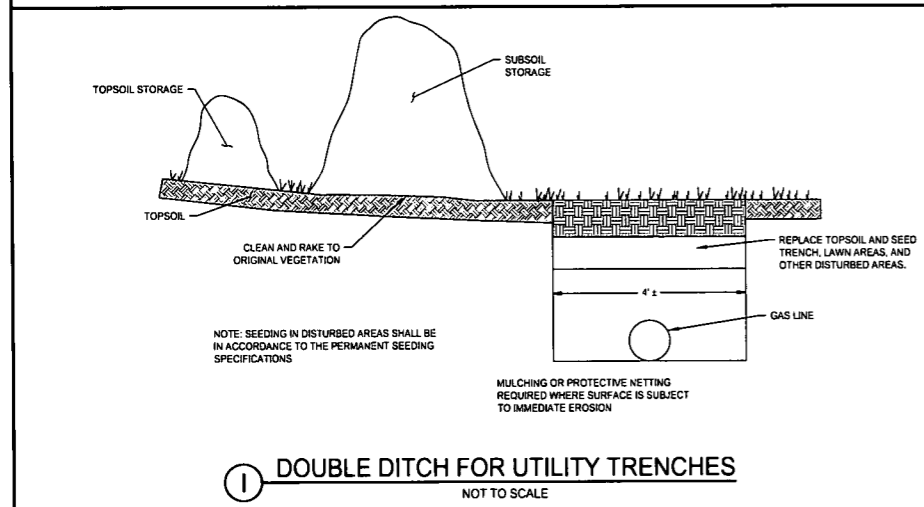
OX17 PIPELINE
SWPPP DETAILS

Gathering LLC
ONE ENERGY DRIVE
JANE LEW, WV 26378

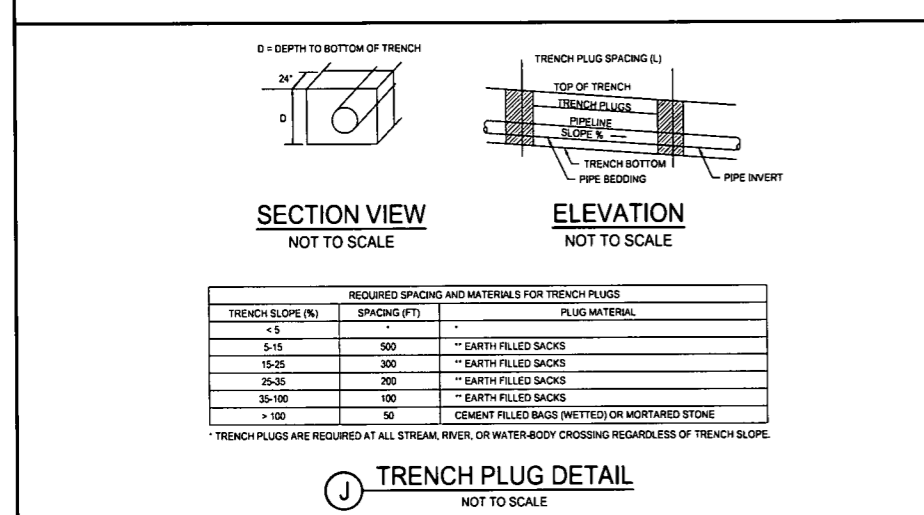
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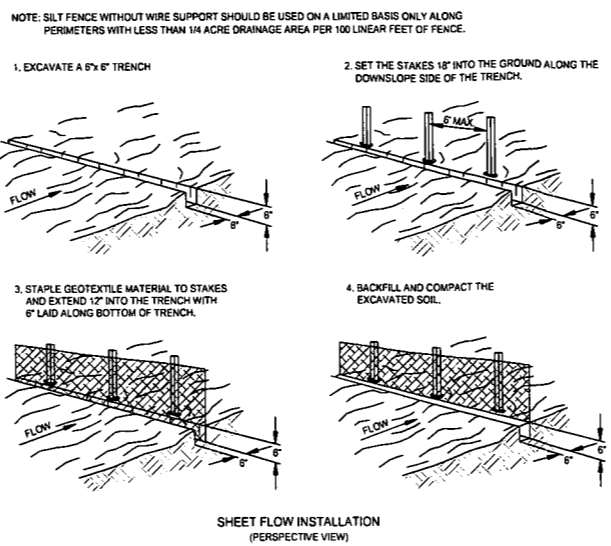
F TYPICAL PIPELINE WETLAND CROSSING
NOT TO SCALE



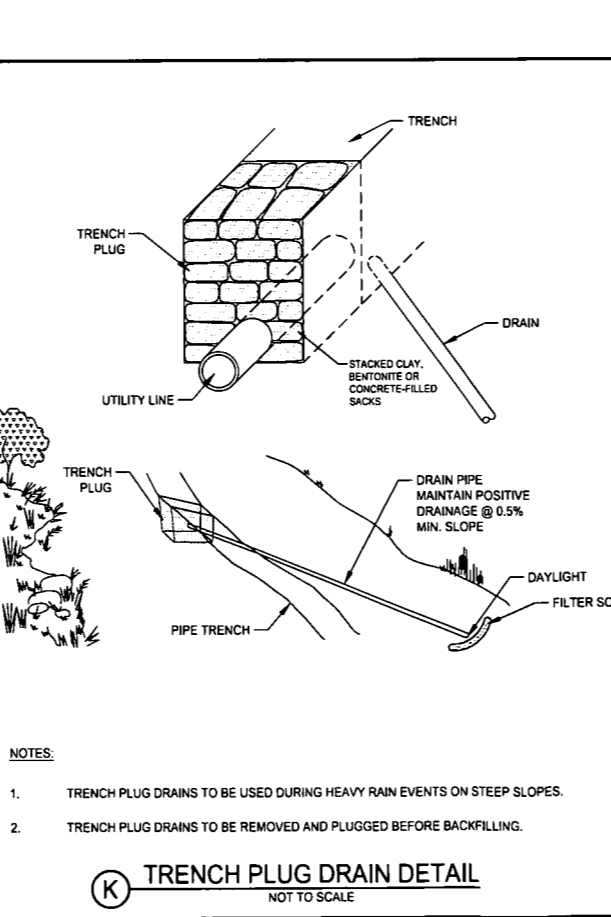
G DOUBLE DITCH FOR UTILITY TRENCHES
NOT TO SCALE



H TRENCH PLUG DETAIL
NOT TO SCALE



I SILT FENCE w/o WIRE SUPPORT
NOT TO SCALE



J TRENCH PLUG DRAIN DETAIL
NOT TO SCALE

OPTION A
"Wooded Wetland Establishment Seed Mix" (available from JFNew or Ernst)

Scientific Name	Common Name	PLS Ounces/Acre
Permanent Grasses/Sedges:		
<i>Calamagrostis canadensis</i>	Bluejoint Grass	1.00
<i>Carex crinita</i>	Fringed Sedge	2.00
<i>Carex lupulina</i>	Common Hop Sedge	4.00
<i>Carex lurida</i>	Bottlebrush Sedge	1.50
<i>Carex frankii</i>	Bristly Cattail Sedge	3.00
<i>Carex squarrosa</i>	Narrow-Leaved Cattail Sedge	1.00
<i>Carex typhina</i>	Common Cattail Sedge	1.00
<i>Carex vulpinoidea</i>	Brown Fox Sedge	4.00
<i>Elymus virginicus</i>	Virginia Wild Rye	20.00
<i>Glyceria striata</i>	Fowl Manna Grass	2.00
<i>Leersia oryzoides</i>	Rice Cut Grass	2.00
<i>Scirpus atrovirens</i>	Dark Green Rush	2.00
<i>Spartina pectinata</i>	Prairie Cord Grass	1.00
		Total 44.50
Temporary Cover:		
<i>Avena sativa</i>	Common Oat	360.00
<i>Lolium multibrum</i>	Annual Rye	100.00
		Total 460.00
Temporary Cover:		
<i>Alisma spp.</i>	Water Plantain Mix	3.00
<i>Angelica altropurpurea</i>	Great Angelica	1.00
<i>Aster puniceus</i>	Bristly Aster	0.75
<i>Aster umbellatus</i>	Flat-Top Aster	0.25
<i>Bidens cernua</i>	Nodding Bur Marigold	2.50
<i>Cephalanthus occidentalis</i>	Butterbush	0.50
<i>Campanula americana</i>	Tall Bellflower	0.25
<i>Helenium autumnale</i>	Sneezeweed	2.00
<i>Heracleum lanatum</i>	Cow Parsnip	0.75
<i>Hibiscus moscheutos</i>	Swamp Rose Mallow	2.00
<i>Lobelia siphilitica</i>	Great Blue Lobelia	1.50
<i>Lycopus americanus</i>	Common Water Horehound	0.25
<i>Mimulus ringens</i>	Monkey Flower	1.25
<i>Penthorum sedoides</i>	Ditch Stonecrop	0.50
<i>Polygonum spp.</i>	Pinkweed mix	0.50
<i>Rudbeckia laciniata</i>	Wild Golden Glow	0.75
<i>Verbena alternifolia</i>	Wingstem	2.00
		Total 19.75

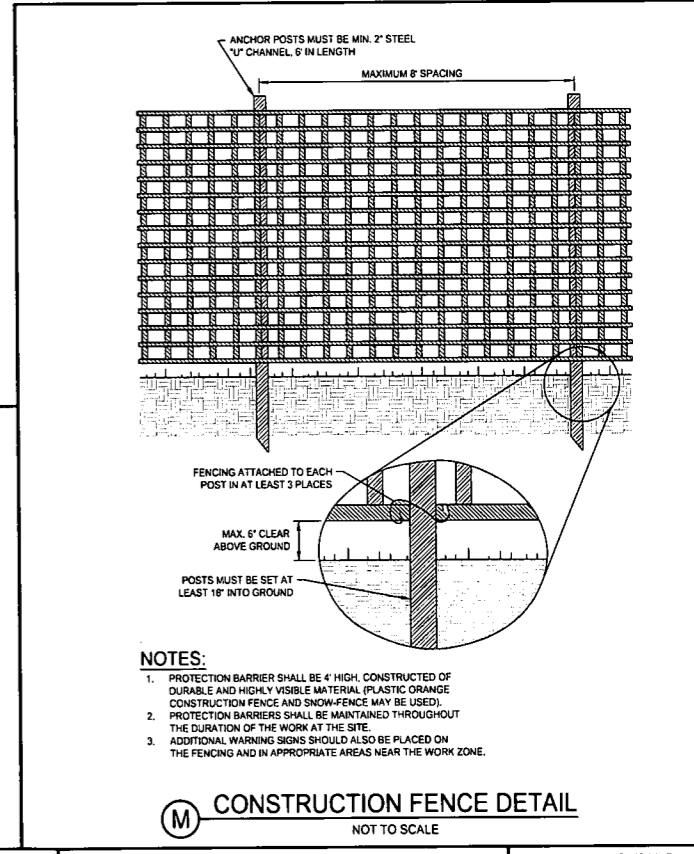
NOTE: APPLY AT 32.8 PLS POUNDS PER ACRE.

L STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

OPTION B
Wetland Restoration Mixture

Scientific Name	Common Name	PLS Ounces/Acre
<i>Avena sativa</i>	Common Oat	480.00
<i>Secale cereale</i>	Cereal Rye	480.00
<i>Panicum virgatum</i>	Switch Grass	32.00
<i>Panicum clandestinum</i>	Deer-tongue Grass	32.00
<i>Elymus riparius</i>	Riverbank Wild Rye	32.00
<i>Poa palustris</i>	March Bluegrass	32.00
<i>Sorghastrum nutans</i>	Indian Grass	16.00
<i>Glyceria striata</i>	Fowl Manna Grass	8.00
<i>Carex crinita</i>	Fringe Sedge	8.00
<i>Carex lurida</i>	Bottlebrush Sedge	8.00
<i>Scirpus atrovirens</i>	Dark Green Rush	8.00
<i>Polygonum pensylvanicum</i>	Pinkweed	8.00
<i>Verbena hastata</i>	Blue Vervain	8.00
<i>Verbena alternifolia</i>	Wingstem	8.00
<i>Senna hebecarpa</i>	Wild Senna	8.00
		Total 1168.00

- STREAMWETLAND CROSSING NOTES**
- ALL TREES AND WOODY DEBRIS REMOVED FROM STREAM OR WETLAND CROSSINGS MUST BE DISPOSED OF OUTSIDE THE RIPARIAN OR WETLAND CROSSING AREAS.
 - CONSTRUCTION TIMBER MATTING MUST BE USED WHEN EQUIPMENT IS CROSSING WETLANDS AND/OR SOFT GROUND.
 - THE SEED MIX FOR STREAMWETLAND CROSSING AREAS (OPTIONS A OR B) SHALL BE USED.
 - NO FERTILIZER OR LIME SHALL BE USED IN STREAMWETLAND CROSSING AREAS.
 - NO GRUBBING IS ALLOWED AT TEMPORARY ACCESS CROSSINGS OF STREAMS OR WETLANDS.



M CONSTRUCTION FENCE DETAIL
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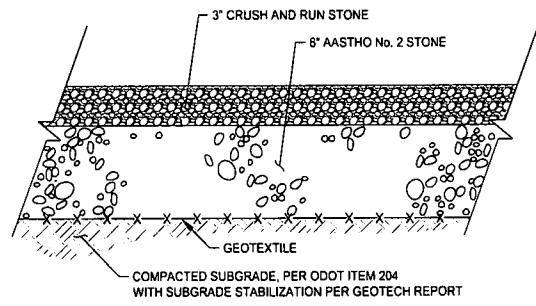
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MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION

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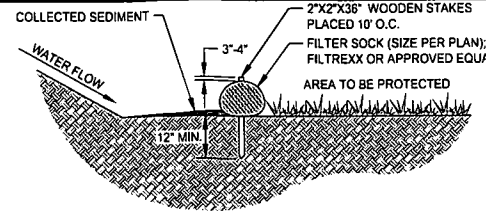
OX17 PIPELINE	
SWPPP DETAILS	
STATION(S):	N/A

Gathering LLC
ONE ENERGY DRIVE
JANE LEW, WV 26378

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N ACCESS DRIVE PAVEMENT
NOT TO SCALE

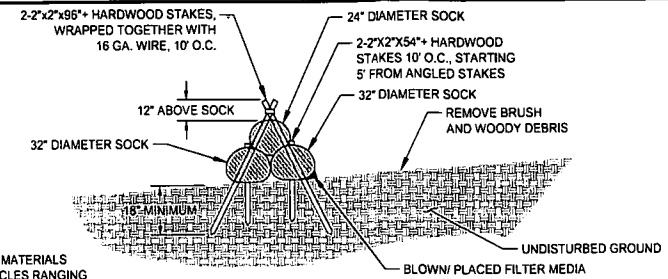


MATERIAL NOTES:
1. COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN, AND INSECT FREE. FREE OF ANY REFUSE, CONTAMINANTS, OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
2. FILTER SOCKS SHALL BE 3 OR 5 MIL CONTINUOUS, TABULAR, HDPE 3/8" KNITTED MESH NETTING MATERIAL FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

INSTALLATION NOTES:
1. FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES.
2. FILTER SOCKS INTENDED TO BE PERMANENT SHALL BE SEEDED AT TIME OF INSTALLATION.
3. FILTER SOCKS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.

MAINTENANCE NOTES:
1. ROUTINELY INSPECT FILTER SOCKS AFTER A RUNOFF EVENT, MAINTAINING FUNCTIONALITY AT ALL TIMES.
2. REMOVE SEDIMENT COLLECTED AT THE BASE OF THE UPSLOPE SIDE OF THE FILTER SOCK WHEN SEDIMENT ACCUMULATION HAS REACHED 1/3 OF THE EXPOSED HEIGHT OF THE SOCK.
3. WHERE THE FILTER SOCK IS DAMAGED, DETERIORATED, OR FAILS, IT SHALL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
4. THE FILTER MEDIA WITHIN THE FILTER SOCK SHALL BE DISPERSED ON SITE ONCE THE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED, OR WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDING.

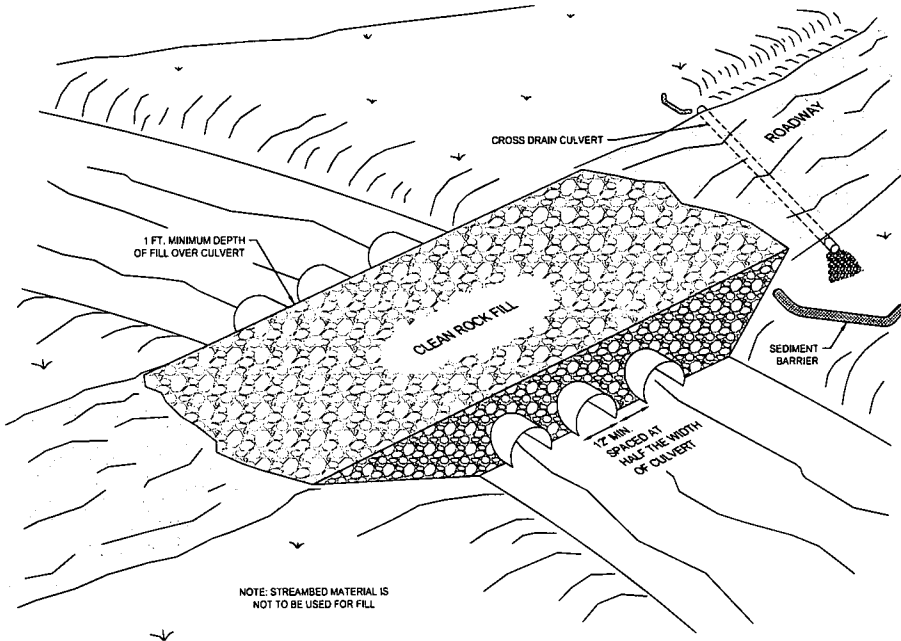
NOTE: USE TRIPLE STACK FILTER SOCK WHEN SLOPE LENGTHS EXCEED THAT OF WHAT IS SHOWN FOR A 32" SEDIMENT CONTROL.



COMPOST FILTER SOCK SIZING CHART

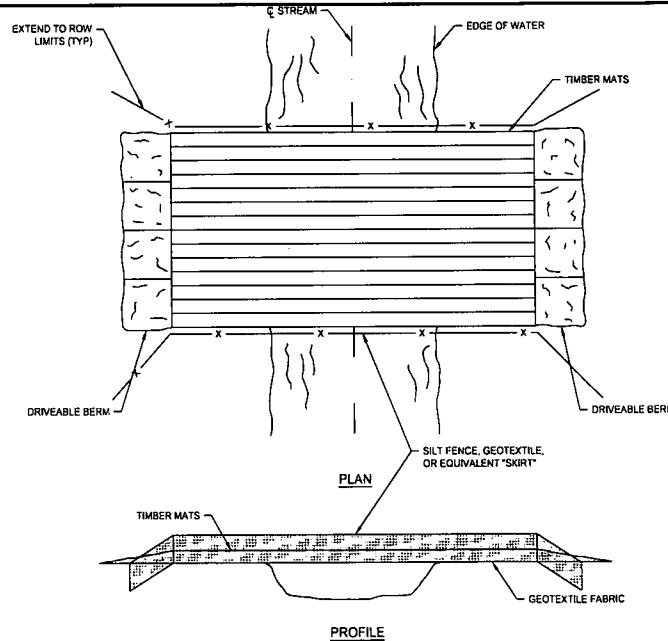
SLOPE PERCENT	MAXIMUM SLOPE LENGTH ABOVE SEDIMENT CONTROL IN FEET				
	8" SEDIMENT CONTROL	12" SEDIMENT CONTROL	18" SEDIMENT CONTROL	24" SEDIMENT CONTROL	32" SEDIMENT CONTROL
2 (OR LESS)	600	750	1000	1300	1650
5	400	500	550	650	750
10	200	250	300	400	500
15	140	170	200	325	450
20	100	125	140	260	400
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

O FILTER SOCK
NOT TO SCALE



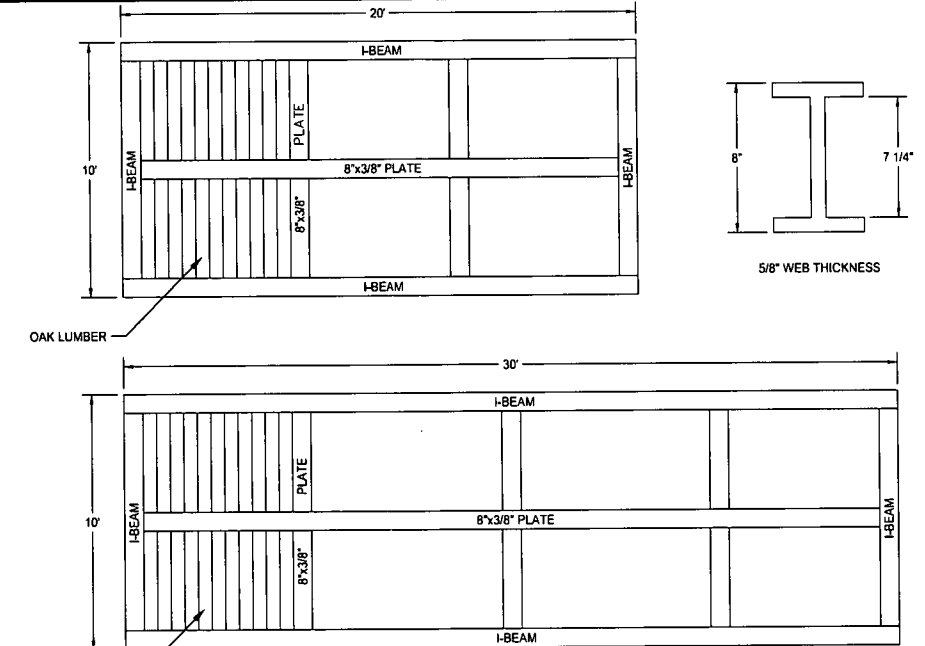
P DETAIL FIGURE II-9: STREAM CROSSING - TEMPORARY, WITH CULVERT
NOT TO SCALE

- NOTES:**
1. THE STRUCTURE SHALL BE LARGE ENOUGH TO HANDLE A 1-YEAR FREQUENCY STORM, 24 HOUR DURATION.
 2. DEPTH OF COVER OVER CULVERTS SHALL BE 1/2 THE DIAMETER OF THE CULVERTS USED OR 12 INCHES, WHICHEVER IS GREATER.
 3. MULTI-CULVERTS SHOULD BE INSTALLED WITH SPACES BETWEEN THEM, EQUAL TO 1/2 THE PIPE DIAMETER.
 4. LOW WATER CROSSINGS MAY BE USED, IF PROTECTED WHEN OVERFLOWING OCCURS. THIS CAN BE ACCOMPLISHED BY USING ROCK AND CONCRETE.
 5. CROSS CRIBBING OF THE DOWNSTREAM SIDE OF CULVERT INSTALLATIONS MAY BE NEEDED TO AID IN REDUCING STRUCTURAL DAMAGE DURING HIGH VELOCITY WATER OVERFLOW PERIODS.
 6. IF CULVERTS OR BRIDGES ARE NOT USED AND A STONE BASE DOESN'T EXIST, STONE SHALL BE INSTALLED, WITH THE ENTRANCE AND EXIT BEING STONED FOR APPROXIMATELY 100 FEET.
 7. DITCH LINE EXIT POINTS AT STREAM CROSSINGS MUST HAVE SEDIMENT CONTROLS.



Q STANDARD CONSTRUCTION DETAIL - TIMBER MAT BRIDGE
NOT TO SCALE

- NOTES:**
1. THIS TYPE OF BRIDGE IS GENERALLY USED FOR SMALL STREAM CROSSINGS LESS THAN 20 FEET IN WIDTH IN COMBINATION WITH A PROPER STREAM BANK CONFIGURATION.
 2. BRIDGE WILL BE TEMPORARILY REMOVED IF HIGH WATER RENDERS IT UNSAFE FOR CROSSING.
 3. BRIDGE TO REMAIN IN PLACE UNTIL THE COMPLETION OF FINAL RESTORATION.
 4. SILT FENCE, SAND BAGS, DRIVABLE BERMS, OR OTHER APPROPRIATE EROSION CONTROL MAY BE USED INTERCHANGEABLY.
 5. A "SKIRT" FORMED OF SILT FENCE, GEOTEXTILE FABRIC, OR EQUIVALENT SHALL BE PLACED ON THE SIDES AND BOTTOM OF THE BRIDGE TO TRAP SEDIMENT AS NECESSARY.
 6. INDIVIDUAL MATS SHALL BE ANCHORED AND BUTTED TIGHTLY TO MINIMIZE THE INTRODUCTION OF SEDIMENT TO THE WATERBODY.



- NOTES:**
1. CONTACT UTILITY COMPANY AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE THE EXISTING TRANSMISSION LINE FLAGGED.
 2. CONE GATHERING, LLC REPRESENTATIVES MUST BE ON SITE DURING CONSTRUCTION TO APPROVE INSTALLATION.
 3. THE CURRENT PIPELINE COVER MUST BE MAINTAINED. DURING CONSTRUCTION, CONTRACTOR SHALL STRIP TOPSOIL AND PLACE MATTING BOARDS FOR EQUIPMENT CROSSING THE GAS TRANSMISSION EASEMENT. MATTING BOARDS BENEATH THE EMBANKMENT ARE TO REMAIN IN PLACE.
 4. AIR BRIDGE IS TO BE REMOVED DURING SITE RESTORATION PHASE. UTILITY COMPANY REPRESENTATIVES MUST BE ON SITE DURING REMOVAL FOR CONSTRUCTION APPROVAL. AFTER AIR BRIDGE IS REMOVED, FILL AIR GAP WITH SUBSOIL AND COMPACT TO SPECIFICATION. SEED AND MULCH FILL SLOPES.
 5. A TIMBER MAT AIR BRIDGE MAY BE USED IF APPROVED BY A CONE GATHERING, LLC REPRESENTATIVE.

R AIR BRIDGE
NOT TO SCALE

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07/01/15
DATE

SUMMARY OF MATERIALS			REFERENCE DRAWINGS		REVISIONS		
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION
					1	08/17/15	REVISED PER DEP COMMENTS



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OX17 PIPELINE

SWPPP DETAILS

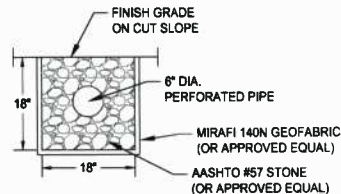
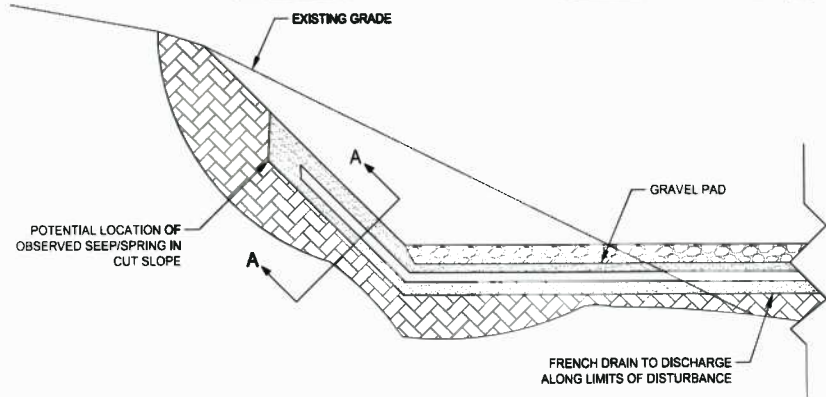
STATION(S): N/A

Cone Gathering LLC

ONE ENERGY DRIVE
JANE LEW, WV 26378

DATE: 07/01/15
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NOTE: IF EVIDENCE OF A SEEP/SPRING IN A CUT SLOPE IS OBSERVED, THE CONTRACTOR SHOULD INSTALL A FRENCH DRAIN PER DETAIL 36 ABOVE.

S FRENCH DRAIN AT OBSERVED SEEP/SPRING IN CUT SLOPES
NOT TO SCALE



TYPICAL POLYMER STABILIZED FIBER MATRIX APPLICATION RATES

MAXIMUM RAINFALL OF ≤ 20"							
SLOPE	6:1	5:1	4:1	3:1	2:1	1.5:1	1:1
SOIL STABILIZER (GALS/ACRE)	4	5	6	7	8	9	10
FIBER (LBS/ACRE)	1,500	1,500	1,500	1,800	2,000	2,500	3,000

MAXIMUM RAINFALL OF > 20" AND FOR SITE WINTERIZATION			
SLOPE	≤ 5:1	4:1	≥ 3:1
SOIL STABILIZER (GALS/ACRE)	6	8	10
FIBER (LBS/ACRE)	2,000	2,500	3,000

NOTES:

A BONDED FIBER MATRIX (BFM) IS AN EFFECTIVE METHOD OF STABILIZING STEEP SLOPES WHEN USED PROPERLY. BFMS MAKE USE OF A CROSS-LINKED HYDROCOLLOID TACKIFIER TO BOND THERMALLY PROCESSED WOOD FIBERS. APPLICATION RATES VARY ACCORDING TO SITE CONDITIONS. FOR SLOPES UP TO 3H:1V THE BFM SHOULD BE APPLIED AT A RATE OF 3,000 LB/ACRE. STEEPER SLOPES MAY NEED AS MUCH AS 4,000 LB/ACRE.

BFMS SHOULD ONLY BE USED WHEN NO RAIN IS FORECASTED FOR AT LEAST 48 HOURS FOLLOWING THE APPLICATION. THIS IS TO ALLOW THE TACKIFIER SUFFICIENT TIME TO CURE PROPERLY. ONCE PROPERLY APPLIED, A BFM IS TYPICALLY 90% EFFECTIVE IN PREVENTING ACCELERATED EROSION. BFMS SHOULD NOT BE APPLIED BETWEEN SEPTEMBER 30 AND APRIL 1.

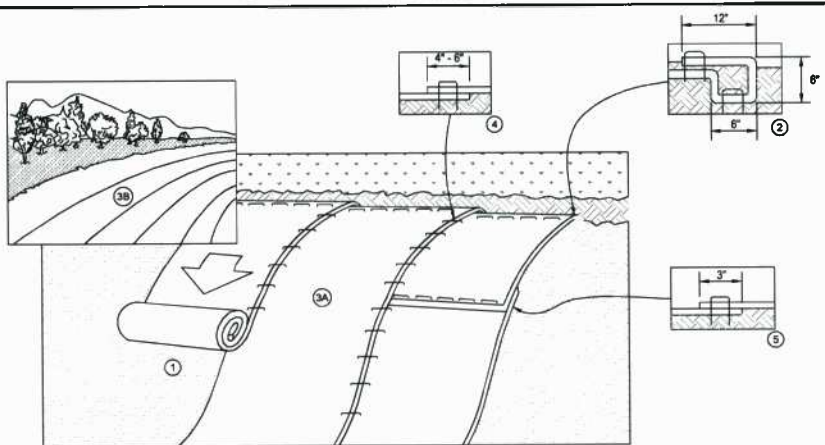
A POLYMER STABILIZED FIBER MATRIX (PSFM) CAN ALSO BE AN EFFECTIVE METHOD OF STABILIZING STEEP SLOPES WHEN USED PROPERLY. PSFMS MAKE USE OF A LINEAR SOIL STABILIZING TACKIFIER THAT WORKS DIRECTLY ON SOIL TO MAINTAIN SOIL STRUCTURE, MAINTAIN PORE SPACE CAPACITY AND FLOCCULATE DISLODGED SEDIMENT THAT WILL SIGNIFICANTLY REDUCE RUN OFF TURBIDITY. PROPERLY APPLIED, A PSFM MAY BE AS MUCH AS 99% EFFECTIVE.

NOTES:

UNLIKE ROLLED BLANKETS, THERE IS NO NEED TO SMOOTH THE GROUND PRIOR TO THE APPLICATION OF HYDRAULICALLY APPLIED BLANKETS. IN FACT SOME ROUGHENING OF THE SURFACE, EITHER NATURAL OR MECHANICALLY INDUCED, IS PREFERABLE. HOWEVER, LARGE ROCKS, THOSE > 9 INCHES AND EXISTING RILLS SHOULD BE REMOVED PRIOR TO APPLICATION. TRACKING OR GROOVING OF SLOPES SHOULD BE CONSIDERED TO SLOW WATER FLOWS DURING A STORM EVENT. SLOPE INTERRUPTION DEVICES SUCH AS STAIR STEP GRADING OR BENCHING SHOULD BE APPLIED PRIOR TO THE APPLICATION. MIXING AND APPLICATION RATES SHOULD FOLLOW MANUFACTURER'S RECOMMENDATIONS.

HYDRAULICALLY APPLIED BLANKETS ARE TYPICALLY APPLIED IN TWO STAGES, UNLESS SPECIFICALLY RECOMMENDED TO BE APPLIED IN ONE APPLICATION BY THE MANUFACTURER. THE SEED MIXTURE AND SOIL AMENDMENTS SHOULD BE APPLIED FIRST. IF THE SEED IS APPLIED AT THE SAME TIME AS THE HYDRAULICALLY APPLIED BLANKET, THE BONDED FIBERS MAY KEEP THE SEED FROM MAKING SUFFICIENT CONTACT WITH THE SOIL TO GERMINATE. AFTER THE SEED MIXTURE IS APPLIED, THE BFM, FGM, OR PSFM SHOULD BE SPRAYED OVER THE AREA AT THE REQUIRED APPLICATION RATE. (SEE ABOVE TABLES)

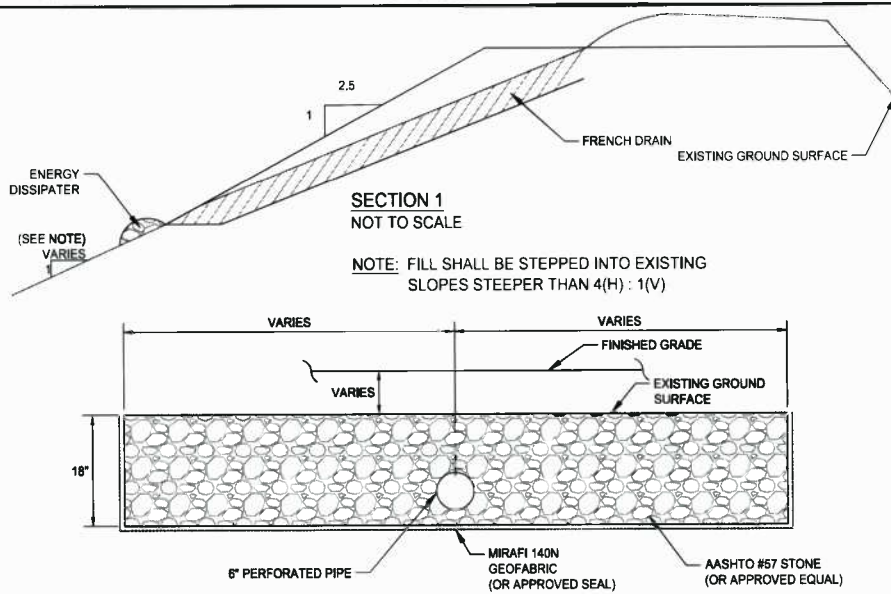
U BONDED FIBER MATRIX
NOT TO SCALE



- NOTES:**
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURE'S RECOMMENDATION.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP, TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
 6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

EROSION CONTROL BLANKET	MANUFACTURER	NUMBER	NOTE
THE FOLLOWING BLANKET	NORTH AMERICAN GREEN	S75	ALL SLOPES 3:1 OR GREATER SHALL BE FERTILIZED, SEEDDED, AND EROSION BLANKETS INSTALLED
MANUFACTURER AND NUMBER OR APPROVED EQUAL MAY BE USED FOR 4:1 TO 3:1 SLOPES.	NORTH AMERICAN GREEN	SC250	
	NORTH AMERICAN GREEN	C125 BN	

V EROSION CONTROL BLANKET
NOT TO SCALE



- NOTES:**
1. WHERE SPRINGS OR SEEPS ARE ENCOUNTERED DURING CONSTRUCTION, DRAINABLE FILL AND PERFORATED PIPES (FRENCH DRAINS) SHOULD BE INSTALLED TO PROVIDE A DRAINAGE PATH FOR SEEPAGE FROM THE EXISTING SLOPE.
 2. THE FRENCH DRAIN SHOULD CONSIST OF A 6 INCH DIAMETER PERFORATED PIPE SURROUNDED BY DRAINABLE FILL, INSTALLED IN AN 18 INCH DEEP TRENCH ALONG THE EXISTING DRAINAGE FEATURE OR SEEP. PRIOR TO DRAINABLE FILL PLACEMENT, THE TRENCH SHOULD BE LINED WITH A LAYER OF GEOFABRIC SUCH AS MIRAFI 140N, OR APPROVED EQUAL, WITH SUFFICIENT OVERLAP TO PROVIDE AND ENVELOPE AROUND THE PIPE TRENCH TO PREVENT THE IMMIGRATION OF FINES INTO THE FRENCH DRAIN.
 3. THE FRENCH DRAIN SHOULD DAYLIGHT BEYOND THE TOE OR SIDE OF THE SLOPE AND EXTEND UP TO THE CREST OF THE SLOPE TO FACILITATE DRAINAGE THROUGH THE FILL SECTION. THE ASSAULT WIDTH OF THE FRENCH DRAIN SHOULD BE A FUNCTION OF THE WIDTH OF THE SPRING, SEEP OR DRAINAGE FEATURE OBSERVED DURING CONSTRUCTION.
 4. THE FRENCH DRAIN SHOULD BE CONSTRUCTED TO SPAN THE ENTIRE WIDTH OF THE OBSERVED SPRING OR SEEP.

T FRENCH DRAIN AND DRAINABLE FILL SECTION AT OBSERVED SEEP/SPRING OR EXISTING DRAINAGE FEATURE LOCATION ON FILL SLOPES
NOT TO SCALE

FAP

07/01/15
DATE

SUMMARY OF MATERIALS			REFERENCE DRAWINGS		REVISIONS		
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION



OX17 PIPELINE

SWPPP DETAILS

STATION(S): N/A

one Gathering LLC

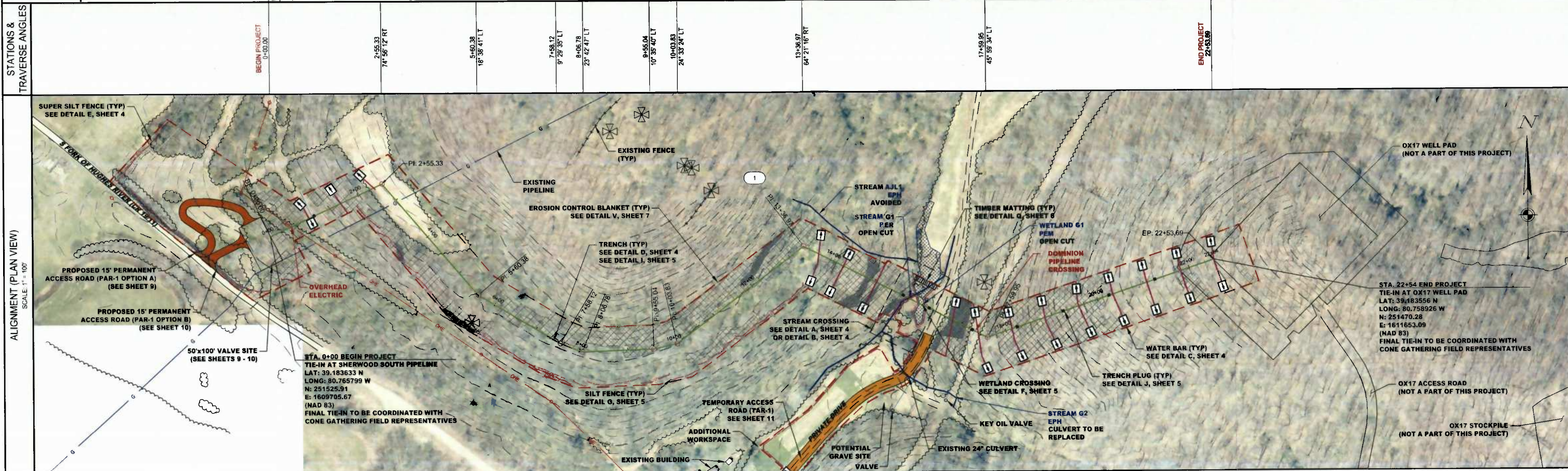
ONE ENERGY DRIVE
JANE LEW, WV 26378

DATE: 07/01/15
JOB NO.: 751022
DESIGN: CJS
DRAWN: CJS
CHECKED: BJM
SHEET NO.
7 of 12

SOUTH WEST DISTRICT, DODDRIDGE COUNTY, WEST VIRGINIA

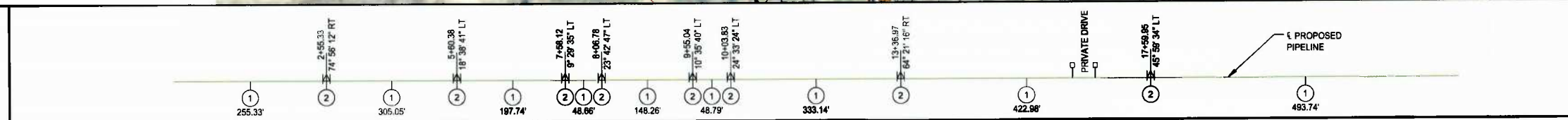
(1) MORRIS I L I KE
422903240.00

DISTRICT, COUNTY, STATE											
OWNER/PARCEL ID											
ENVIRONMENTAL	WOODS	OPEN	WOODS				OPEN	WOODS	OPEN	WOODS	



PIPELINE DATA
SCALE N.T.S.

	PIPE INSTALL BY OPEN CUT
	PIPE INSTALL BY BORE
	SEGMENTABLE FITTING
	PIPELINE WARNING SIGNS
	PIPELINE MARKER NUMBER

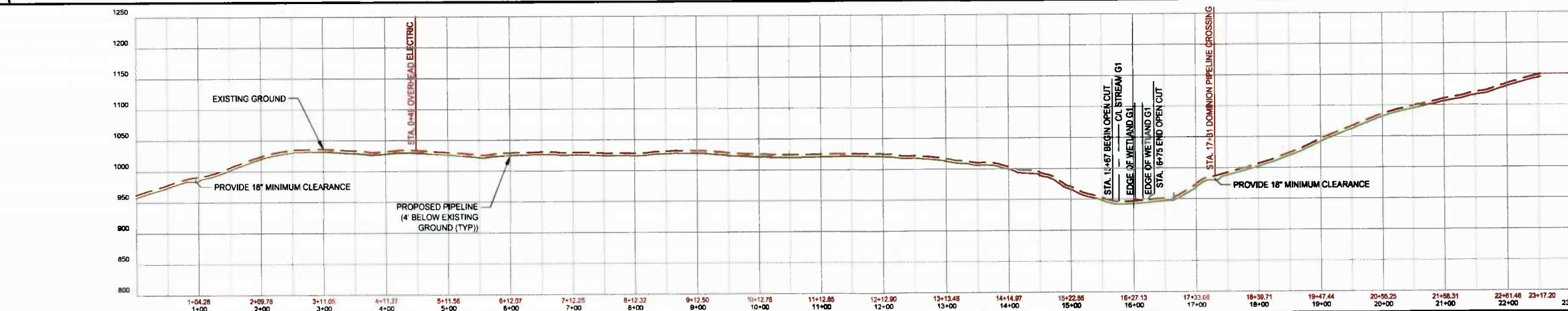


NOTE:
CONTRACTOR SHALL NOTIFY EXISTING UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF EXCAVATION AT SAID EXISTING UTILITY CROSSING(S).

DOMINION TRANSMISSION
445 W MAIN STREET
CLARKSBURG, WV 26301
STEVEN D. GUM
304-782-5024
Steven.D.Gum@Dom.com

KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452
304-269-7102

PROFILE
SCALE HORIZONTAL 1" = 100'
SCALE VERTICAL 1" = 100'



WEST VIRGINIA 811

GRAPHIC SCALE (IN FEET)

LEGEND

	PIPE INSTALL BY OPEN CUT		STREAM
	PIPE INSTALL BY BORE		SUPER SILT FENCE (SSF)
	BURIED ELECTRIC		WATER BAR (WB)
	OVERHEAD LINE		TRENCH PLUG
	WATER LINE		PROPOSED PERMANENT ACCESS ROAD
	FENCE		PROPOSED TEMPORARY ACCESS ROAD
	PROPERTY LINE		EROSION CONTROL BLANKET
	TAX DISTRICT LINE		SLOPES STEEPER THAN 3%
	COUNTY LINE		PROPOSED WETLANDS
	ROAD		EXISTING WETLANDS
	EDGE OF ROAD		POTENTIAL ROOT TREE (PRT)
	TREE LINE		KEEP OFF PROPERTY

FAP

07/01/15
DATE

SUMMARY OF MATERIALS			REFERENCE DRAWINGS		REVISIONS	
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE
1	2316	PIPELINE (SLOPE LENGTH)			1	06/17/15
2	8	ELBOW, 45° SEGMENTABLE FITTING				
3	2	PIPELINE MARKER				

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OX17 PIPELINE

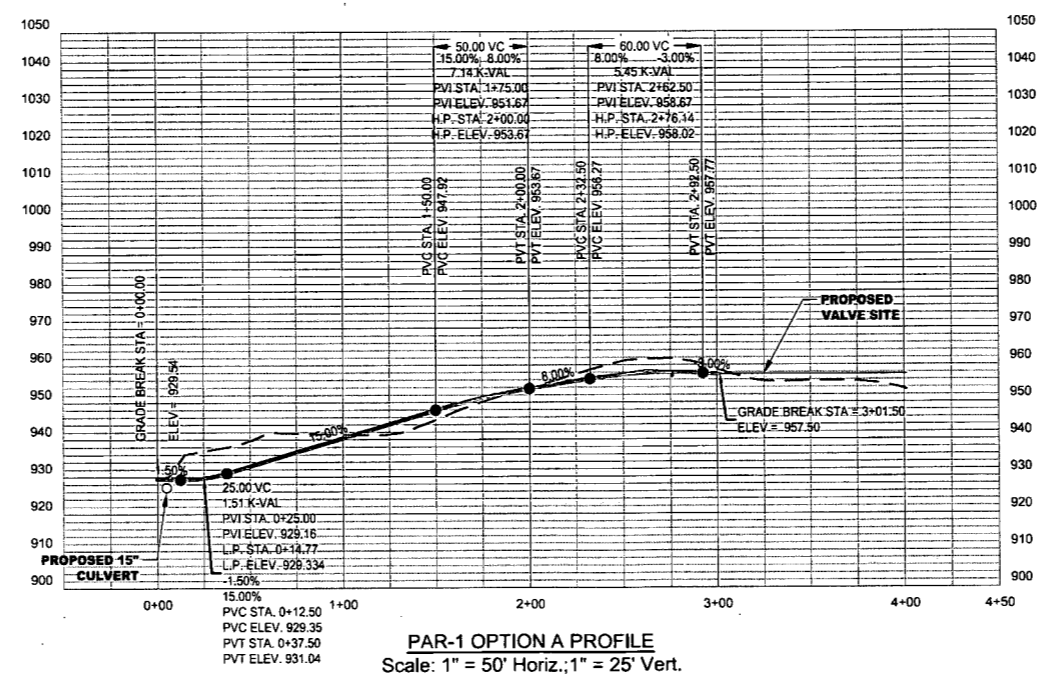
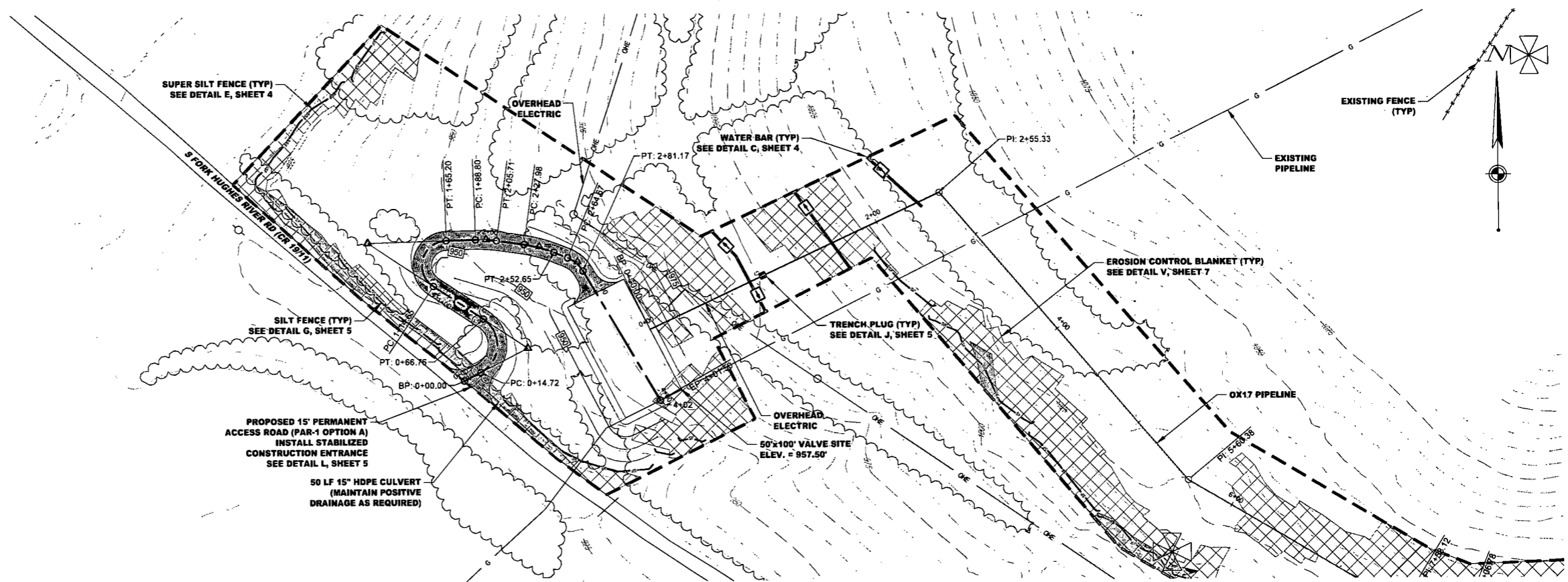
PIPELINE PLAN

STATION(S): 0+00 TO 22+54

one Gathering LLC

ONE ENERGY DRIVE
JANE LEW, WV 26378

DATE:	07/01/15
JOB NO.:	751022
DESIGN:	CJS
DRAWN:	CJS
CHECKED:	BJM
SHEET NO.	8 of 12



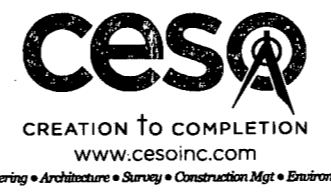
WEST VIRGINIA 811



- LEGEND**
- PIPE INSTALL BY OPEN CUT
 - PIPE INSTALL BY BORE
 - LOD
 - BURIED ELECTRIC
 - OVERHEAD LINE
 - WATER LINE
 - FENCE
 - PROPERTY LINE
 - TAX DISTRICT LINE
 - COUNTY LINE
 - CL ROAD
 - EDGE OF ROAD
 - TREELINE
 - STREAMS
 - SUPER SILT FENCE (SSF)
 - SILT FENCE
 - WATER BAR (WB)
 - TRENCH PLUG
 - PROPOSED PERMANENT ACCESS ROADS
 - PROPOSED TEMPORARY ACCESS ROADS
 - EROSION CONTROL BLANKET
 - SLOPES STEEPER THAN 3:1
 - PERM WETLANDS
 - TEMP WETLANDS
 - KEEP OFF PROPERTY
 - POTENTIAL HOIST TREE (PHT)

FAP

SUMMARY OF MATERIALS			REFERENCE DRAWINGS		REVISIONS		
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION



OX17 PIPELINE

PAR-1 OPTION A PLAN AND PROFILE

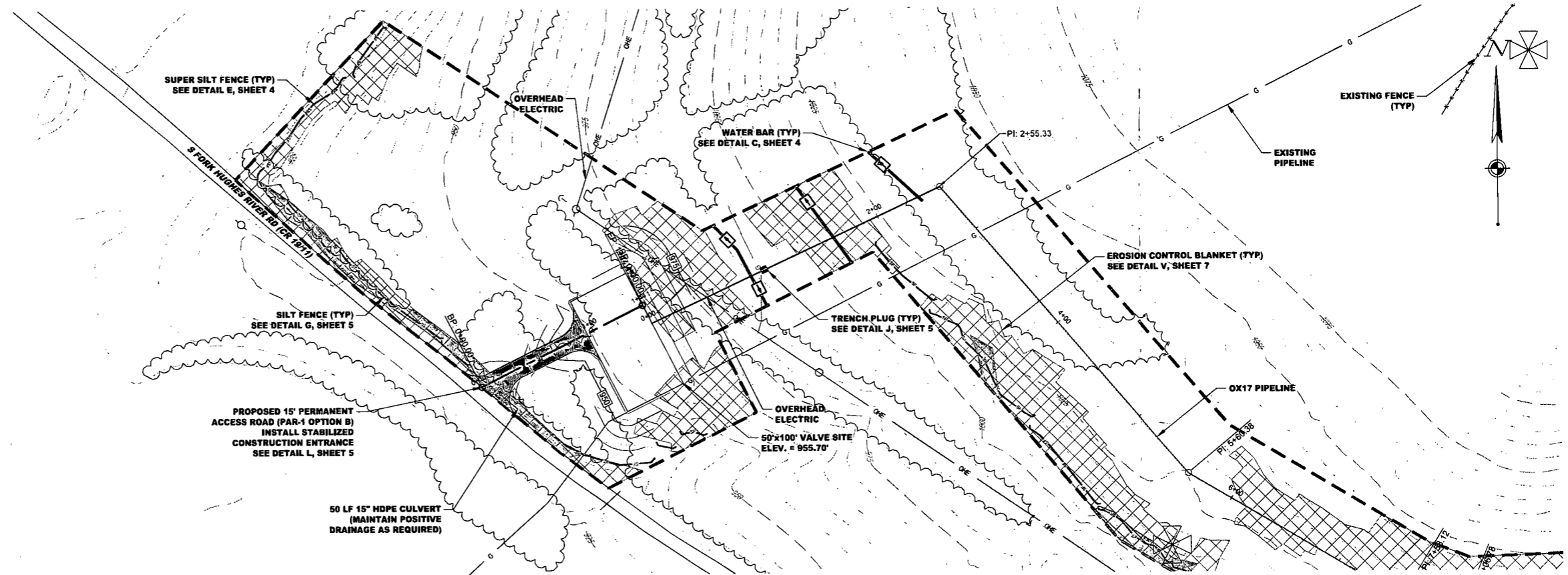
Gone Gathering LLC

ONE ENERGY DRIVE
JANE LEW, WV 26378

DATE:	07/01/15
JOB NO.:	751022
DESIGN:	BEM
DRAWN:	BEM
CHECKED:	BJM
SHEET NO.	9 of 12

07/01/15
DATE

STATION(S): 0+00 TO 3+02



SUPER SILT FENCE (TYP)
SEE DETAIL E, SHEET 4

OVERHEAD ELECTRIC

WATER BAR (TYP)
SEE DETAIL C, SHEET 4

EXISTING FENCE (TYP)

EXISTING PIPELINE

EROSION CONTROL BLANKET (TYP)
SEE DETAIL V, SHEET 7

SILT FENCE (TYP)
SEE DETAIL G, SHEET 5

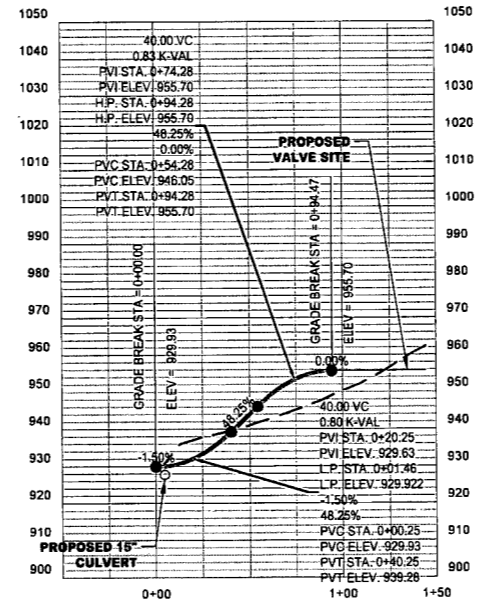
TRENCH PLUG (TYP)
SEE DETAIL J, SHEET 5

PROPOSED 15' PERMANENT ACCESS ROAD (PAR-1 OPTION B)
INSTALL STABILIZED CONSTRUCTION ENTRANCE
SEE DETAIL L, SHEET 5

OVERHEAD ELECTRIC
50"x100" VALVE SITE
ELEV. = 955.70'

OX17 PIPELINE

50 LF 15" HDPE CULVERT
(MAINTAIN POSITIVE DRAINAGE AS REQUIRED)



PAR-1 OPTION B PROFILE
Scale: 1" = 50' Horiz., 1" = 25' Vert.



LEGEND

- PIPE INSTALL BY DREN-CUT
- PIPE INSTALL BY BORE
- LOD
- BURIED ELECTRIC
- OVERHEAD LINE
- WATER LINE
- FENCE
- PROPERTY LINE
- TAX DISTRICT LINE
- COUNTY LINE
- CL ROAD
- EDGE OF ROAD
- TREELINE
- STREAMS
- SUPER SILT FENCE (SBF)
- SILT FENCE
- WATER BAR (WB)
- TRENCH PLUG
- PROPOSED PERMANENT ACCESS ROADS
- PROPOSED TEMPORARY ACCESS ROADS
- EROSION CONTROL BLANKET
- SLOPES STEEPER THAN 3:1
- PSS/PFO WETLANDS
- PEW WETLANDS
- KEEP OFF PROPERTY
- POTENTIAL HOIST FREE (PRT)

FAP

SUMMARY OF MATERIALS			REFERENCE DRAWINGS		REVISIONS		
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION



OX17 PIPELINE

PAR-1 OPTION B PLAN AND PROFILE

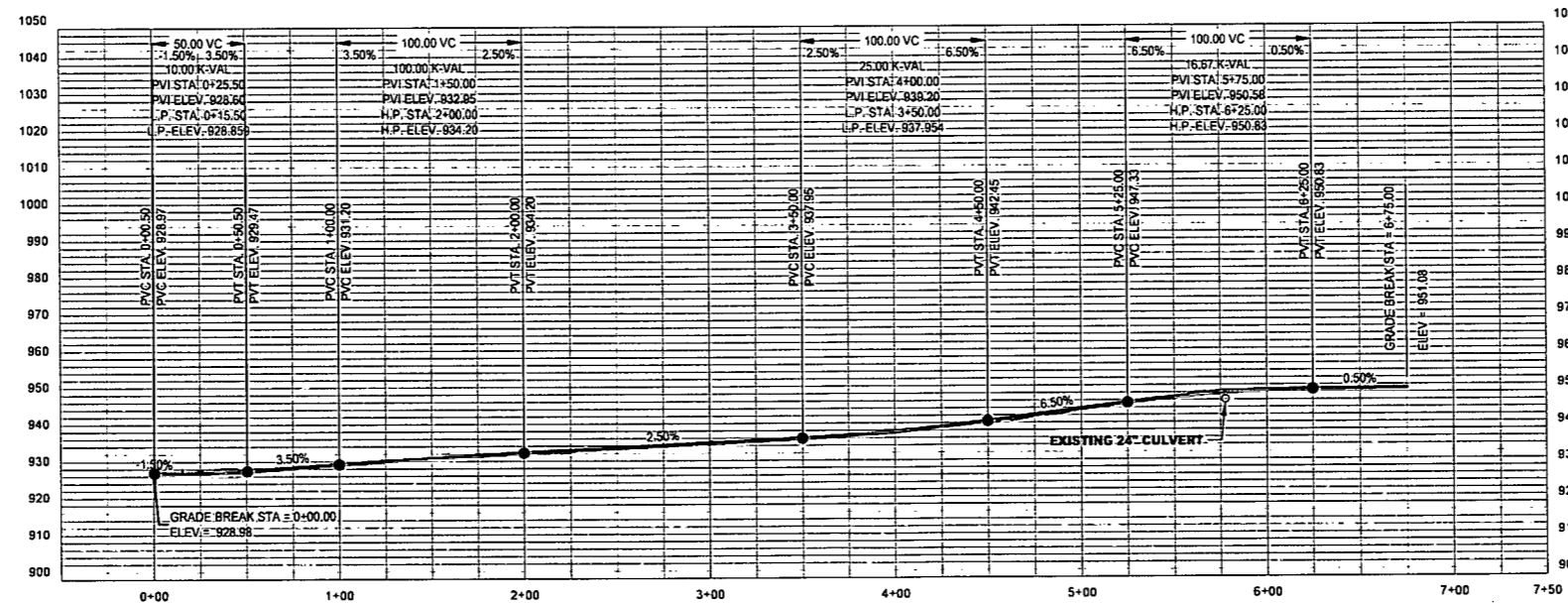
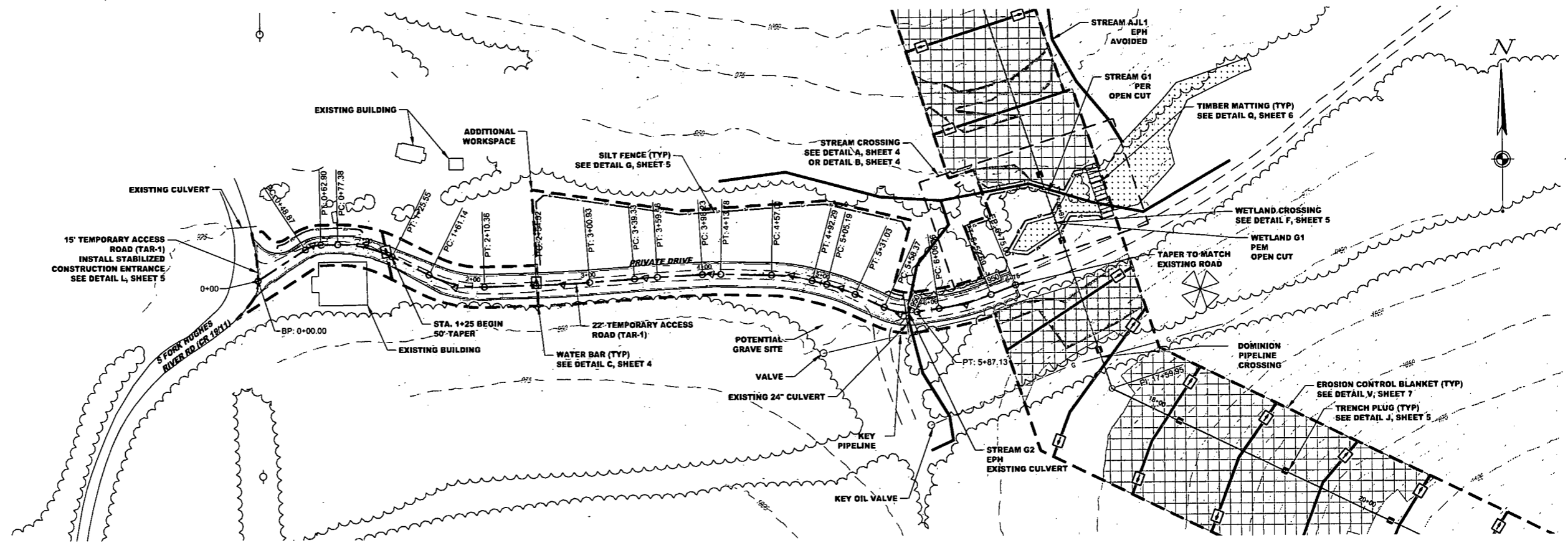
one Gathering LLC

ONE ENERGY DRIVE
JANE LEW, WV 26378

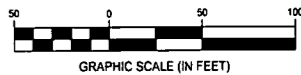
DATE:	07/01/15
JOB NO.:	751022
DESIGN:	CJS
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CHECKED:	BJM
SHEET NO.	10 of 12

07/01/15
DATE

STATION(S): 0+00 TO 3+02



TAR-1 PROFILE
Scale: 1" = 50' Horiz., 1" = 25' Vert.



LEGEND

- PIPE INSTALL BY OPEN CUT
- PIPE INSTALL BY BORE
- LOAD
- BURIED ELECTRIC
- OVERHEAD LINE
- WATER LINE
- FENCE
- PROPERTY LINE
- TAX DISTRICT LINE
- COUNTY LINE
- CL ROAD
- EDGE OF ROAD
- TREELINE
- STREAMS
- SUPER SILT FENCE (SBF)
- SILT FENCE
- WATER BAR (WB)
- TRENCH PLUG
- PROPOSED PERMANENT ACCESS ROADS
- PROPOSED TEMPORARY ACCESS ROADS
- EROSION CONTROL BLANKET
- SLOPES STEEPER THAN 30°
- PERM WETLANDS
- PEM WETLANDS
- KEEP OFF PROPERTY
- POTENTIAL HOZOP: TREE (PTH)

FAP

SUMMARY OF MATERIALS			REFERENCE DRAWINGS		REVISIONS		
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO.	DATE	DESCRIPTION
					1	08/17/15	REVISED PER DEP COMMENTS



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OX17 PIPELINE

TAR-1 PLAN AND PROFILE

STATION(S): 0+00 TO 3+02

one Gathering LLC

ONE ENERGY DRIVE
JANE LEW, WV 26378

DATE: 07/01/15
JOB NO.: 751022
DESIGN: CJS
DRAWN: CJS
CHECKED: BJM
SHEET NO.

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07/01/15
DATE

OX17 PIPELINE TRENCH PLUG LOCATION CHART*	
PLUG #	STATION
1	1+00
2	15+65
3	16+25
4	17+25
5	18+25
6	19+25
7	20+25
8	21+25

EROSION AND SEDIMENT CONTROL BMP PRACTICES		
BMP	UNITS	QUANTITY
SUPER SILT FENCE	LF	140
SILT FENCE	LF	2580
STABILIZED CONSTRUCTION ENTRANCE	EA	2
TRENCH PLUG	EA	8
TEMPORARY WATERBARS	EA	17
EROSION CONTROL BLANKET	SY	16110
TIMBER MATS (10 FT WIDTH, ASSUME 8 FT SECTION LENGTHS)	LF	40
STREAM CROSSING - FLUME PIPE CROSSING (SEE DETAIL SHEET #4)	EA	1
TOB TO TOB (PIPELINE)	LF	4
TOB TO TOB (ACCESS ROADS)	LF	2
15" HDPE CULVERT	LF	50

EARTHWORK SUB-SUMMARY VALVE SITE OPTION A		
DESCRIPTION	QUANTITY	UNITS
VALVE SITE		
RAW CUT (EXIST. TO FINISHED GRADE)	425	CY
RAW FILL (EXIST. TO FINISHED GRADE)	1290	CY
TOTAL VALVE SITE EARTHWORK	865 (FILL)	CY

EARTHWORK SUB-SUMMARY PAR-1 OPTION A		
DESCRIPTION	QUANTITY	UNITS
ACCESS DRIVE		
RAW CUT (EXIST. TO FINISHED GRADE)	975	CY
RAW FILL (EXIST. TO FINISHED GRADE)	125	CY
TOTAL DRIVE EARTHWORK	850 (SPOIL)	CY

EARTHWORK SUB-SUMMARY TAR-1		
DESCRIPTION	QUANTITY	UNITS
ACCESS DRIVE		
RAW CUT (EXIST. TO FINISHED GRADE)	50	CY
RAW FILL (EXIST. TO FINISHED GRADE)	50	CY
TOTAL DRIVE EARTHWORK	0 (BALANCED)	CY

- EARTHWORK NOTES:**
- ESTABLISHING THE GRADES SHOWN ON THIS PLAN WILL REQUIRE THAT A NET OF 15 CY BE IMPORTED FOR OPTION A OR A NET OF 30 CY BE IMPORTED FOR OPTION B. SOIL WILL BE IMPORTED FROM PIPELINE ROW, WITHIN THE LIMITS OF DISTURBANCE.
 - CONTRACTOR SHALL CONFIRM QUANTITIES.

EARTHWORK SUB-SUMMARY VALVE SITE OPTION B		
DESCRIPTION	QUANTITY	UNITS
VALVE SITE		
RAW CUT (EXIST. TO FINISHED GRADE)	595	CY
RAW FILL (EXIST. TO FINISHED GRADE)	430	CY
TOTAL VALVE SITE EARTHWORK	165 (SPOIL)	CY

EARTHWORK SUB-SUMMARY PAR-1 OPTION B		
DESCRIPTION	QUANTITY	UNITS
ACCESS DRIVE		
RAW CUT (EXIST. TO FINISHED GRADE)	130	CY
RAW FILL (EXIST. TO FINISHED GRADE)	325	CY
TOTAL DRIVE EARTHWORK	195 (FILL)	CY

STREAM CROSSINGS - ACCESS ROADS				
STREAM ID	TOB	TOB	LENGTH (LF)	CULVERTS
STREAM G2	5+76	5+78	2	1-24"
TOTAL:			2	

STREAM CROSSINGS - PIPELINE				
STREAM ID	TOB	TOB	LENGTH (LF)	TIMBER MAT LENGTH (LF)
STREAM G1	15+75	15+79	4	16
TOTAL:			4	16

WETLAND CROSSINGS - PIPELINE				
WETLAND ID	EDGE	EDGE	LENGTH (LF)	ACRES IMPACTED
WETLAND G1	15+74	16+24	50	0.043
TOTAL:			50	0.043

*TRENCH PLUG DESIGN BASED ON THE TABLE PROVIDED ON THE TRENCH PLUG DETAIL ON SHEET 5. SOME TRENCH PLUGS HAVE BEEN OVER-DESIGNED AT THE DISCRETION OF THE ENGINEER BASED ON EXISTING FIELD CONDITIONS.

<p>FAP</p> <p>07/01/15 DATE</p>	<table border="1"> <thead> <tr> <th colspan="2">SUMMARY OF MATERIALS</th> <th colspan="2">REFERENCE DRAWINGS</th> <th colspan="2">REVISIONS</th> </tr> <tr> <th>MRKR #</th> <th>QTY.</th> <th>DESCRIPTION</th> <th>DWG.</th> <th>DESCRIPTION</th> <th>NO. DATE DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 08/17/15 REVISED PER DEP COMMENTS</td> </tr> </tbody> </table>	SUMMARY OF MATERIALS		REFERENCE DRAWINGS		REVISIONS		MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO. DATE DESCRIPTION						1 08/17/15 REVISED PER DEP COMMENTS	 <p>CREATION TO COMPLETION www.cesoinc.com</p> <p><i>Engineering • Architecture • Survey • Construction Mgt • Environmental</i></p>	<p>OX17 PIPELINE</p> <p>E&S TABLES AND QUANTITIES</p> <p>STATION(S): N/A</p>	 <p>ONE ENERGY DRIVE JANE LEW, WV 26378</p>	<p>DATE: 07/01/15</p> <p>JOB NO.: 751022</p> <p>DESIGN: CJS</p> <p>DRAWN: CJS</p> <p>CHECKED: BJM</p> <p>SHEET NO.</p>
	SUMMARY OF MATERIALS		REFERENCE DRAWINGS		REVISIONS																		
MRKR #	QTY.	DESCRIPTION	DWG.	DESCRIPTION	NO. DATE DESCRIPTION																		
					1 08/17/15 REVISED PER DEP COMMENTS																		
				12 of 12																			



**Attachment A- Project Location-
Surface and Adjacent Owner
Information**

TAX ID: 09-07-0010-0002-0000

NAME OF SURFACE OWNER/OWNERS: Morris I L (Ike)

ADDRESS OF PROPERTY: Off Hughs River Road

ADDRESS OF SURFACE OWNER/OWNERS: P.O. Box 397, Glenville, WV 26351

DISTRICT: Southwest

LAND BOOK DESCRIPTION:

DEED BOOK REFERENCE: Book 230/Page 307

TAX MAP REFERENCE: Map 10

EXISTING BUILDINGS/USES OF PROPERTY: Unknown

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

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT
PROPERTY: Unknown



Attachment B- Permit Approvals



DIVISION OF NATURAL RESOURCES

324 Fourth Avenue, Room 200
South Charleston WV 25303-1228
TDD (304) 558-1439
TDD 1-800-354-6087
Fax (304) 558-6048
Telephone (304) 558-3225

Earl Ray Tomblin
Governor

Robert A. Fala
Director

July 6, 2015

Division of Natural Resources
RIGHT OF ENTRY

Re: **LS-15-VI/09-1079**

Cone Gathering, LLC:
Adam White
c/o CESO, Inc.
800 Bursca Drive
Suite 804
Bridgeville, PA 15017-

Dear Mr. White:

The Division of Natural Resources hereby grants to you for a period of ten (10) years from the date hereof, a Right of Entry to install, use and maintain a timber mat crossing and a twenty-four inch by thirty-five foot (24"x35') culvert in the streambed (OX17 Pipeline) at two (2) separate locations along unnamed tributaries of the South Fork Hughes River near Porto Rico in Doddridge County, West Virginia.

This Right of Entry is subject to the following terms and conditions:

1. No in stream work during the fish-spawning season (April 1-June 30).
2. Work should be completed as quickly as possible during low flows in designated work areas only.
3. Any streambed disturbance should be restricted to the immediate area. In stream use of equipment should be kept to a minimum.
4. All shore areas disturbed by this operation must be reshaped, seeded and mulched immediately upon completion of work. The prompt establishment of vegetative cover will reduce future damage from high water levels.
5. Green concrete must not be put in the stream (highly toxic to aquatic life).
6. Guidance should be obtained from NRCS (formerly SCS) and a registered engineer for the design and construction. Must allow for passage of at least ten-year year flood flow.
7. Best management practices should be followed; measures such as hay bales must be used to reduce downstream siltation.

Cone Gathering, LLC.
LS-15-VI/09-1079
Page 2
July 6, 2015


8. Applicant is responsible for removing debris from in and around the installation periodically to prevent stream flow obstruction.
9. Durable head walls of logs, crossties, rock, or concrete shall be constructed at both the upstream and downstream ends of crossing to prevent erosion of fill material into the stream.
10. The State's issuance of this Right-of-Entry does not provide for the applicant to work outside the requested boundaries nor does the State assume any liability for the applicant's/landowner's construction activities. By accepting this Right-of-Entry, the applicant/landowner assumes liability for any/all damages caused by this activity to both upstream and downstream landowners.

Guidelines of Best Management Practices for Sediment and Erosion Control as outlined by the Section of Water Resources, Division of Environmental Protection must be followed. Copies of those guidelines are available from the Section of Water Resources, Telephone No. (304) 926-0440.

The issuance of this Right of Entry by the Division of Natural Resources does not preclude the necessity for you to obtain a permit from the U.S. Corps of Engineers District Office, Permit Section, or any other state or federal permits which may be required by law, nor does this Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this Right of Entry will be canceled and considered null and void and the Division will reject further applications.

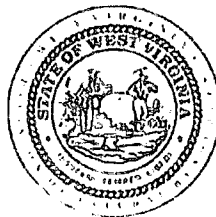
Your payment is now due and payable in the amount of \$200.00 to the Division of Natural Resources covering the first year's annual fee of this agreement. Your agreement will be effective upon receipt of your payment in full. You must notify this office in writing when this installation has been removed.

Sincerely,


Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cb

pc: DNR Fish Biologist
Jeremy Bandy, Environmental Enforcement
DNR Conservation Officers



DIVISION OF NATURAL RESOURCES

324 Fourth Avenue, Room 200
South Charleston WV 25303-1228
TDD (304) 558-1439
TDD 1-800-354-6087
Fax (304) 558-6048
Telephone (304) 558-3225

Earl Ray Tomblin
Governor

Robert A. Fala
Director

July 6, 2015

Division of Natural Resources
LICENSE AND RIGHT OF ENTRY

Re: P-15-VI/09-1078

Cone Gathering, LLC.
Adam White
c/o CESO, Inc.
800 Bursca Drive
Suite 804
Bridgeville, PA 15017-

Dear Mr. White:

The Division of Natural Resources hereby grants to you for a term of ten (10) years, from the date hereof, a License and Right of Entry to construct, replace, cover, repair, operate, maintain, use and remove a twelve inch (12") gas pipeline and two (2) sixteen inch (16") water pipelines (OX17 Pipeline) along an unnamed tributary of the South Fork Hughes River, Southwestern District, Doddridge County, West Virginia, as shown located and highlighted in red on the map attached hereto as Exhibit A.

This License and Right of Entry is subject to the following terms and conditions:

High Quality Streams (HQS) as listed in the West Virginia Division of Natural Resources High Quality Stream Sixth Edition published in 2001 and for any trout streams and direct tributaries of trout streams:

- Directional boring is the only method permitted during the fish spawning season. Fish spawning season for warmwater streams runs from April 1st through June 30th. Trout spawning season runs from October 1st through April 30th.
- Other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used outside of spawning seasons.
- Each crossing that utilizes dry ditch methods must be completed in 2 consecutive work days.

Non-high quality stream:

- Directional boring or other dry ditch methods (pump around, flume or cofferdam) as described in WVDEP water resources manual (published 2006) on page 3.21-4 may be used at all times during fish spawning season from April 1st through June 30th. This eliminates the need for spawning season restrictions.
- Crossings using methods other than directional boring. Must be completed in 1 work day.
- Only ephemeral/intermittent streams that are dry can be trenched.

Cone Gathering, LLC.
P-15-VI/09-1078
Page 2
July 6, 2015

Bank Stabilization

All bank stabilization projects must begin immediately upon completion of utility line crossing and be completed within 24 hours of completion of utility line crossing.

Freshwater Mussels

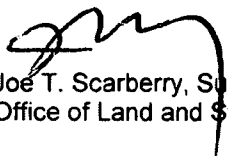
Mussel surveys on streams with known US Fish and Wildlife listed or candidate endangered species will be required if directional boring is not an option. Contact Janet Clayton of the WVDNR Wildlife Diversity Program for information concerning mussels at 304-637-0245.

For further assistance, contact the appropriate WVDNR District Fisheries Biologist.
District 1 304-825-6787 District 2 304-822-3551 District 3 304-924-6211
District 4 304-256-6947 District 5 304-675-0871 District 6 304-420-4550

The issuance of this License and Right of Entry by the Division of Natural Resources does not preclude the necessity to obtain a permit from the Corps of Engineers or any other state or federal permits which may be required by law, nor does this License and Right of Entry negate the need to comply with the West Virginia Water Pollution Control Act and/or the State Environmental Quality Board's administrative regulations, applicant is also responsible for determining if the proposed activity is located within an identified flood plain and it is the applicant's responsibility for contacting the local governmental agency in charge of that program and obtaining a flood plain development permit for it. This License and Right of Entry does not grant any rights or privileges, or permission to enter upon or to cross the property of any other person, nor is permission granted to remove any material that lies upon the property of any other persons. Work should be completed in as brief a period as possible and within one year from the date of this letter. In the event you fail or refuse to comply with any of the terms or conditions herein, this License and Right of Entry will be canceled and considered null and void and the Division will reject further applications.

Your check in the amount of \$625.00 is now due and payable to the Division of Natural Resources covering the (10) ten-year fee of this agreement. Your agreement will be effective upon receipt of your payment in full.

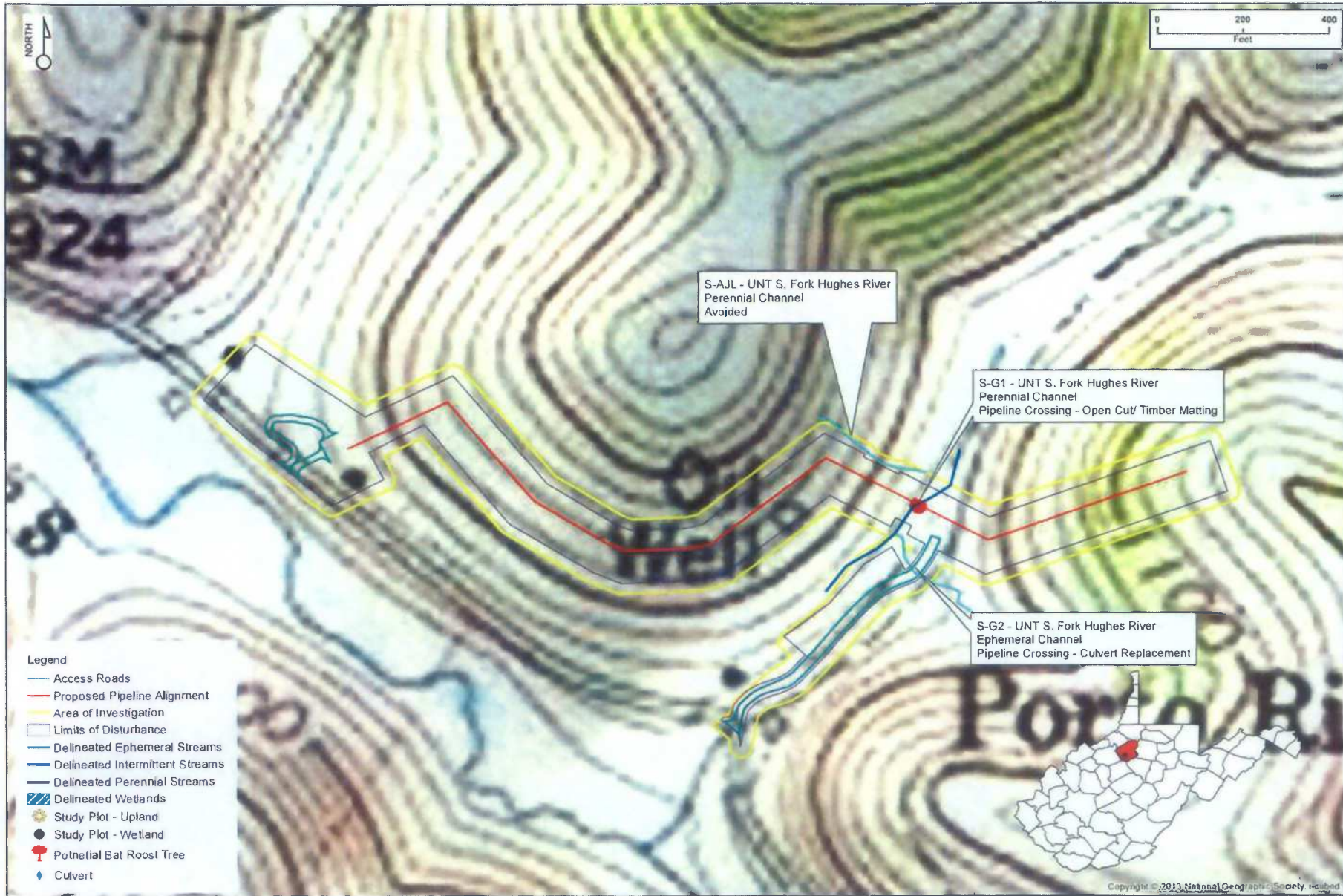
Sincerely,


Joe T. Scarberry, Supervisor
Office of Land and Streams

JTS:cb

attachment

pc: DNR Fish Biologist
Jeremy Bandy, Environmental Enforcement
DNR Conservation Officers





United States Department of the Interior



FISH AND WILDLIFE SERVICE

West Virginia Field Office
694 Beverly Pike
Elkins, West Virginia 26241

Concurrence Form for Myotis Bat Conservation Plans

Contact Name: *Andrew Longenecker*

Email Address or Fax Number: *longenecker@cesoinc.com*

FWS File #2015-I-0240 All future correspondence submitted on this project should clearly reference this FWS File #.

Project: *OX17 Pipeline Bat Conservation Plan, Doddridge County, WV*

Date of Letter Request: *October 20, 2015*

The U.S. Fish and Wildlife Service (Service) has received your Myotis Bat Conservation Plan dated October 20, 2015.

This plan was developed because either: 1) you have chosen to assume that federally listed bats are present within your project area the endangered Indiana bat (*Myotis sodalis*) and/or the threatened northern long-eared bat (*Myotis septentrionalis*) (NLEB)];

OR

2) federally listed bats are known to occur in the area as a result of **XX** summer maternity surveys *or* winter hibernacula/fall swarming surveys [the endangered Indiana bat and/or **XX** the threatened NLEB].

These comments are provided pursuant to the Endangered Species Act (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*).

Habitat assessments were conducted within the proposed project area in.

The results of the habitat assessment for the proposed project are as follows:

1. An estimated 7 acres of forest would be cleared for the project, which leaves an estimated 245.3 acres or 86.4 percent of forested habitat within the $\frac{1}{4}$ -mile buffer area after project clearing has been completed. The total number of acres in the buffer area is 284.

2. One potential bat roost trees were identified within the project area.
3. No portals or caves were observed within the project area.

In the Myotis Bat Conservation Plan, the project proponent stated their commitment to the avoidance, minimization, and conservation measures listed on the attached summary sheet.

These measures are designed to address the potential direct and indirect effects that may occur as a result of the project, and will ensure that no Indiana or NLEB will be directly killed by the removal of trees, and that roosting and foraging habitat will remain within the project area after project construction.

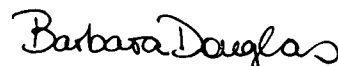
Based on the commitment to implement these measures, the Service concurs that these proposed projects are not likely to adversely affect the Indiana bat or NLEB. The Myotis Bat Conservation Plan should be incorporated as a mandatory condition in any permits issued for this project, and all measures must be implemented as proposed. This concurrence is not valid and project construction/tree clearing should not proceed until all required permits have been obtained.

No biological assessment or further section 7 consultation under the ESA is required with the Service. Should project plans change or amendments be proposed that we have not considered in your proposed action, or if additional information on listed and proposed species becomes available, or if new species become listed or critical habitat is designated, this determination may be reconsidered. If you have any questions regarding this letter, please contact Liz Stout of my staff at (304) 636-6586, ext. 15, or at the letterhead address.



11/18/2015

Biologist signature and date



for 12/10/2015

Field Supervisor's signature and date

Avoidance and Minimization Measures to be Applied on Project

- Seasonal tree clearing (all trees greater than 3" DBH) **REQUIRED**
- Avoid cutting potential roost trees
- Avoid high quality foraging areas
- Minimize limits of disturbance (narrowed LOD or ROW)
- Minimize impacts (clearing) around suitable swarming and summer habitat and wetland/riparian zones
- 50-foot or greater forested buffer left along both sides of streams
- Collocate project features with previously disturbed or cleared areas
- Phase tree clearing over multiple years
- Reforest disturbed areas
- Restore or enhanced riparian/wetland areas
- Strong erosion and sedimentation best management practices
- Pollution control plan in place
- Suitable habitat acreage permanently preserved within or adjacent to the project site
- Other: _____
- Other: _____
- Other: _____
- Other: _____

Conservation Measures to be Applied on Project

- Girdling trees on a 1:1 ratio for each potential roost tree that is lost during project development
- Erecting artificial roosting structures on a 1:1 ratio for each potential primary roost tree that is lost during project development (a 2-year minimum monitoring plan of artificial structures)
- Erecting artificial bark, bat boxes, or other artificial roosting structures (a 2-year minimum monitoring plan of artificial structures)
- Preservation of suitable Indiana bat and/or NLEB habitat off-site
- Creation of watering areas, wetlands, or ponds
- Other: _____
- Other: _____
- Other: _____



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Earl Ray Tomblin
Governor

Office of the District Engineer/Manager
District Four

Paul A. Mattox, Jr., P. E.
Secretary of Transportation /
Commissioner of Highways

PO Box 4220 (EXIT 121, I-79) * Clarksburg, WV 26302 * 304-842-1550

October 23, 2015

CONE GATHERING, LLC

1000 CONSOL ENERGY DRIVE
CANONSBURG, PA 15317

Dear Applicant:

Your approved copy of Permit Number 04-2015-0884 for a T - Temporary

permit type is enclosed. A description of the work is on the permit.

Please contact the District Four office:

Mike Roncone at (304) 626-5472

at least 48 hours in advance of the date you plan to begin work so arrangements can be made to inspect the work authorized by the permit.

Failure to comply will result in cancellation of your permit.

A copy of this permit is to be available on the job at all times while the work is in progress for inspection by the West Virginia Division of Highways' personnel.

Sincerely,

District Engineer / District Manager

Permit Supervisor

Initials: RAU:JJ:dr
Attachments: Yes
Enclosure: No
cc:OM 0409 File

PERMIT NO. 0420150884

PERMIT TO ENTER UPON, UNDER, OVER OR ACROSS THE STATE ROADS OF THE STATE OF WEST VIRGINIA, AS PROVIDED FOR IN SECTION 6, ARTICLE 16, CHAPTER 17; SECTION 9, ARTICLE 16, CHAPTER 17; SECTION 8, ARTICLE 4, CHAPTER 17, WEST VIRGINIA CODE, 1931, AS AMENDED.

THIS PERMIT, Made this 1 day of July 20 15, between the WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, a statutory corporation hereinafter called DIVISION and CONE Gathering, LLC

Address: 1000 Consol Energy Drive, Canonsburg, PA 15317 Phone No: (240) 506-7299

hereinafter called APPLICANT.

WITNESSETH

In consideration of the hereinafter set out covenants and in accordance with Section 6, Article 16, Chapter 17; or Section 9, Article 16, Chapter 17; or Section 8, Article 4, Chapter 17, of the Official Code of West Virginia, 1931, as amended, and the rules and regulations promulgated thereunder, APPLICANT does hereby apply to enter

Route Type & No. CR 19/11 DOH Project No. N/A (if applicable);

at 5.5 miles East of the intersection of CR 19/11 and CR 21 Mile Post 7.227

in Doddridge County, for the purposes hereinafter set forth and in accordance with the

plans and specifications which are attached hereto and made a part hereof: to improve an existing drive

which will be utilized temporarily to enable the construction of a 12" natural gas line and twin 16" water lines.

APPLICANT further agrees to accept the conditions hereinafter set forth:

1. APPLICANT shall deposit with DIVISION the sum of \$ 1,000,000 in the form of an official, certified or cashier's check, or executed bond with surety satisfactory to DIVISION to cover any damage and inspection costs DIVISION may sustain by reason of the granting of this permit, including any expense incurred in restoring said highway to its original condition or the proper repair of any and all damages that may result within one (1) year from the date of the completion of said work.

2. APPLICANT agrees to reimburse DIVISION for inspection costs as follows:

A. For any inspection costs incurred under this permit.

B. At \$ _____ per linear foot for _____ feet of water line installed under this permit

C. At \$ _____ per linear foot for _____ feet of sewer line installed under this permit

3. APPLICANT shall notify DIVISION at least 48 hours in advance of the date the work will begin. Failure to comply will be cause for cancellation of this permit.

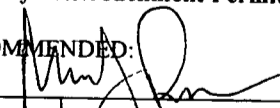
4. APPLICANT agrees to protect its employees, equipment and users of the highway at all times in accordance with the current Division of Highways manual "Traffic Control For Street and Highway Construction and Maintenance Operations".

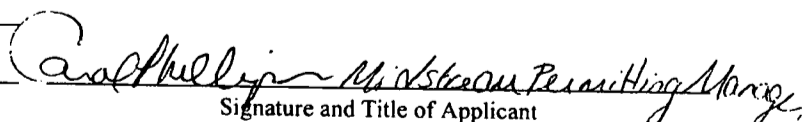
5. APPLICANT agrees to comply with all applicable state and federal laws in the performance of work under this permit.

6. Supplementary conditions cited on the reverse side of this permit are understood and agreed to be a part hereof. 2015 was an error, changed to 2016 by Denise Roncone on 11/5/2015


7. The work authorized under this permit shall be completed on or before (Date): 11/30/2015

Applicant's signature on this permit affirms that all text herein is a verbatim reproduction of The West Virginia Division of Highways Encroachment Permit Form MM-109, revision date May 19, 2005. All attachments are inclusive to this permit.

RECOMMENDED: 
Title J. Adams


Signature and Title of Applicant

BOND REQUIREMENT:
BOND NO. SUR0022700 DATE 05/16/2014
Attached On File

APPROVED: 
Assistant District Engineer Maintenance
Title Assistant District Engineer Maintenance
West Virginia Division of Highways

INSPECTION: Owner/Consultant
Full Time Part Time
Periodic Reimbursable No Cost

AUTHORIZATION NO: _____

PERMIT NO: 0420150884

Addendum to Permit 04-2015-0884 and 04-2015-0974

This addendum, made this 23rd day of October 2015, between the West Virginia Department of Transportation, Division of Highways, a statutory company hereinafter called the Division and

CONE Gathering, LLC

Address: 1000 Consol Energy Drive, Canonsburg, PA 15317 Phone: 240 506-7299
hereinafter called APPLICANT.

The Applicant has filed with the DIVISION a written application for the following named routes and locations:

Doddridge County Route SLS 50/30 at Mile Post 4.303 to 6.15; SLS 21 at Mile Post 0.00 to 4.53; and
SLS 19/11 at Mile Post 1.675 to 7.227

Road conditions have been verified by route review filming and any degradation will be the responsibility of the applicant to restore. Release of the applicant's bond will be determined by a final route review.

- Approach roads that the grade is above the roadway, the applicant must prevent water from entering the Division's roads by installing a box and grate or by slanting the access roads to a parallel ditch.
- 04-2015-0884, Approach will be restored to a private approach.
- 04-2015-0974, Permanent approach will be restored to a 20' commercial approach.
- Berm and ditch lines will be restored, seeded and mulched upon completion of pipeline on all temporary approaches
- Applicant will utilize CASE C-2 Traffic Control while temporary approach is in use.

Perform repairs as necessary during operation.

- After completion of the project, a joint review of roads will be filmed and evaluated to assure roads have been repaired to existing condition or better.
- No travel on School Bus Routes during their traversing operational hours on above mentioned route on bi-directional roadways where the lane widths are less than 10 ft.
- Pilot Vehicle required for all Oversized Loads on covered roads.
- Ditch lines to be maintained by applicant. **FDR or equivalent may be required to stabilize road to uphold increased traffic and heavy and excess amount of loads.** Centerline of roadway cannot be relocated without an agreement between West Virginia Division of Highways and CONE Gathering, LLC. This work requires an advanced notice and prior approval by Maintenance/Design Engineer.
- Repairs that will include "Hot Mix Asphalt" will have the following testing requirement: The supplier will be responsible for testing at the plant; Compaction testing will be as per WV DOH specifications.
- The Division of Highways shall have the right at all times to inspect the work, and if such inspections should reveal that the work is not done according to specifications, upon being so advised by the Division, CONE Gathering, LLC agrees to take immediate corrective actions.

Applicant shall properly repair and maintain any and all damages that may result to said bridges, highways, shoulders and ditches from hauling activities of Applicant, its agents, contractors and employees, to as good a condition prior to commencement of Applicant's operation or as when the permit was issued, as determined by the District Engineer/Manager of the DIVISION having jurisdiction over the work permitted, or pay damages therefore in the amount to sufficiently restore such bridges, roads, highways, shoulders and ditches to original condition; and shall reimburse the DIVISION for all inspection costs incurred by it in connection with said work and repairs of such damages and faithfully comply with all terms and conditions of said permits and save harmless the DIVISION and the State of West Virginia from all losses resulting from the conduct of said work and repairs; provided that all projects covered by this blanket bond have been restored to original or better condition; then this Bond shall be released; or otherwise will remain in full force and effect.

Bond Amount: \$ 1,000,000.00

Bond Number: SUR0022700

Date: 5/16/2014

Dist. Permit Number 0420150884

BOND Number SUR0022700

OIL and GAS DATA INFORMATION SHEET

APPLICANT

Company Name CONE Gathering, LLC

Address 1000 Consol Energy Drive

City Canonsburg ST PA Zip 15517

Contact Person Permit Adam White Telephone (240) 506-7299

24/7 Road Maintenance Contact Kevin Zebley Telephone N/A Cell (724) 531-5428

24/7 Backup Contact Jonathon Hatfield Telephone N/A Cell (304) 517-3878

Drilling/ Fracking will require usage of _____ Less than 5000 Barrels of fluids _____ 5000 /+

Purpose of Permit To permit the the use and improvement of an existing drive to enable the construction of a 12" natural gas pipeline and twin 16" water lines.

Site Location

Site Name OX17 Pipeline Road Local Name S Fork of Hughes River Rte.# 19/11

Decimal Format GPS N: 39.181868 W: 80.762649 County Doddridge

Location Description

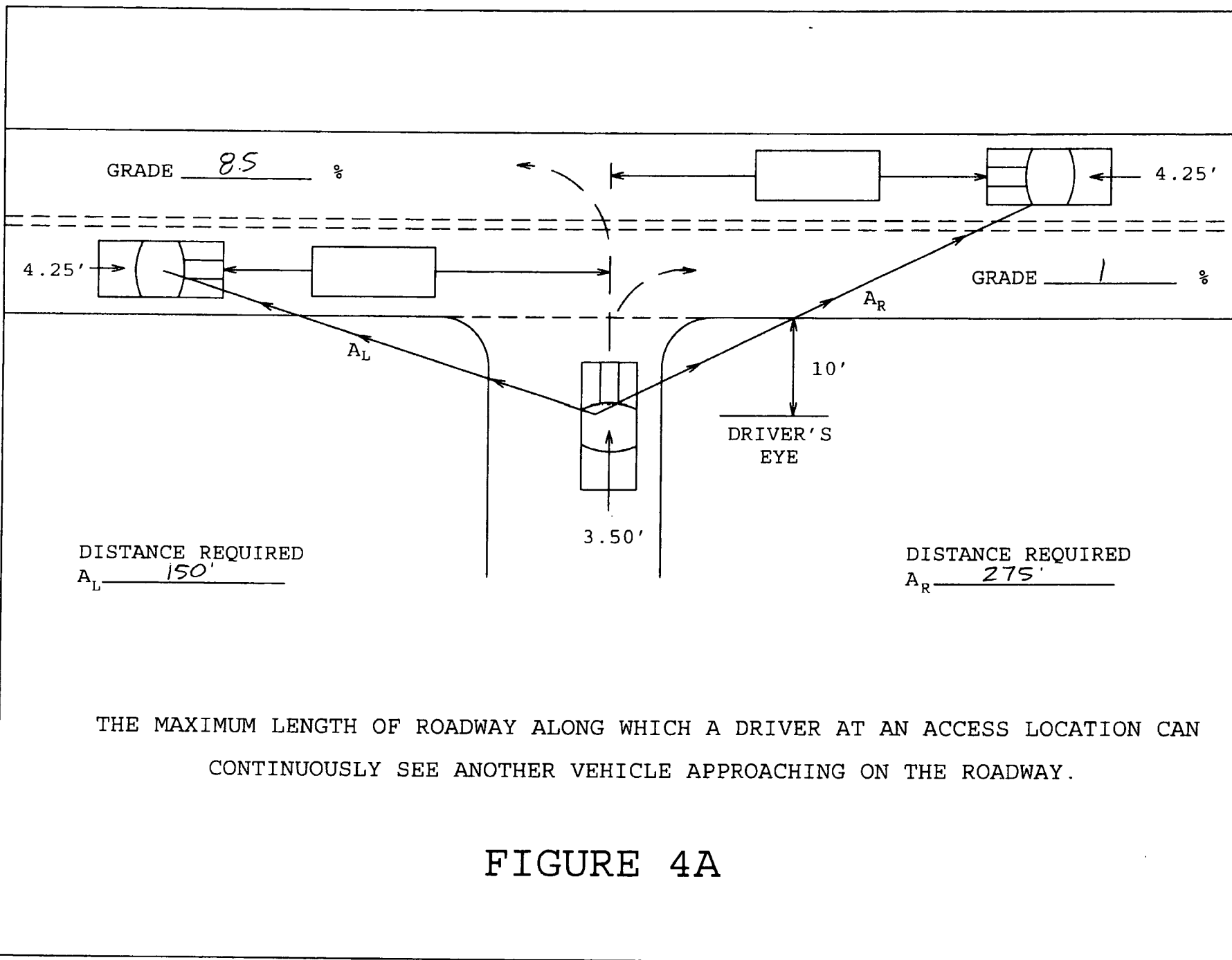
On Rte. # 19/11 being 5.5 miles N S(E)W of Jct. of Rte. # 19/11 and Rte. # 21

List all proposed hauling routes from US or WV Route (attach map)

Route Number and Name

1. S Fork of Hughes River (CR 19/11)
2. Oxford Road (CR 21)
3. Old U.S. 50 (CR 50/30)
4. _____
5. _____
6. _____
7. _____
8. _____

Installation Contractor Contact _____



DISTANCE REQUIRED
 A_L 150'

DISTANCE REQUIRED
 A_R 275'

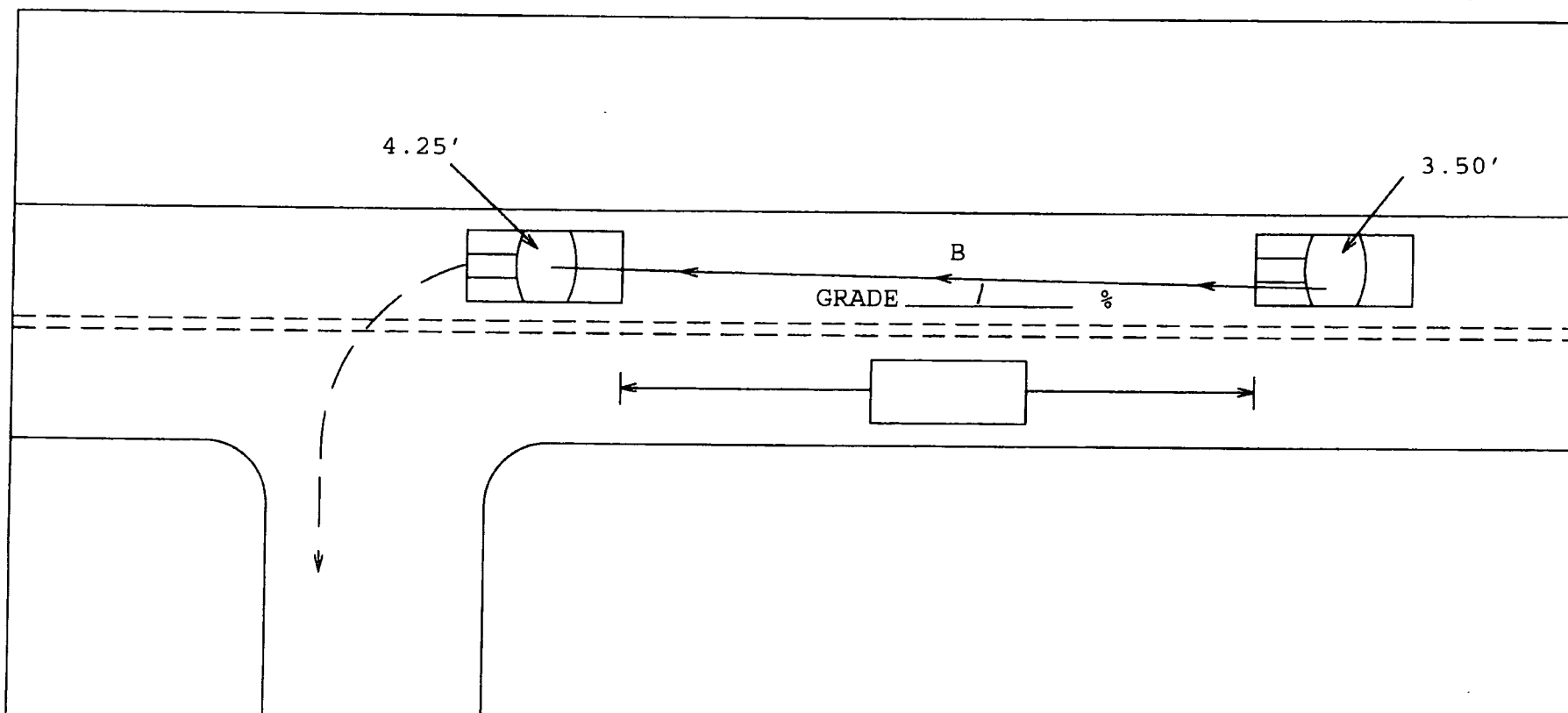
THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT AN ACCESS LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.

FIGURE 4A

57

0420150884

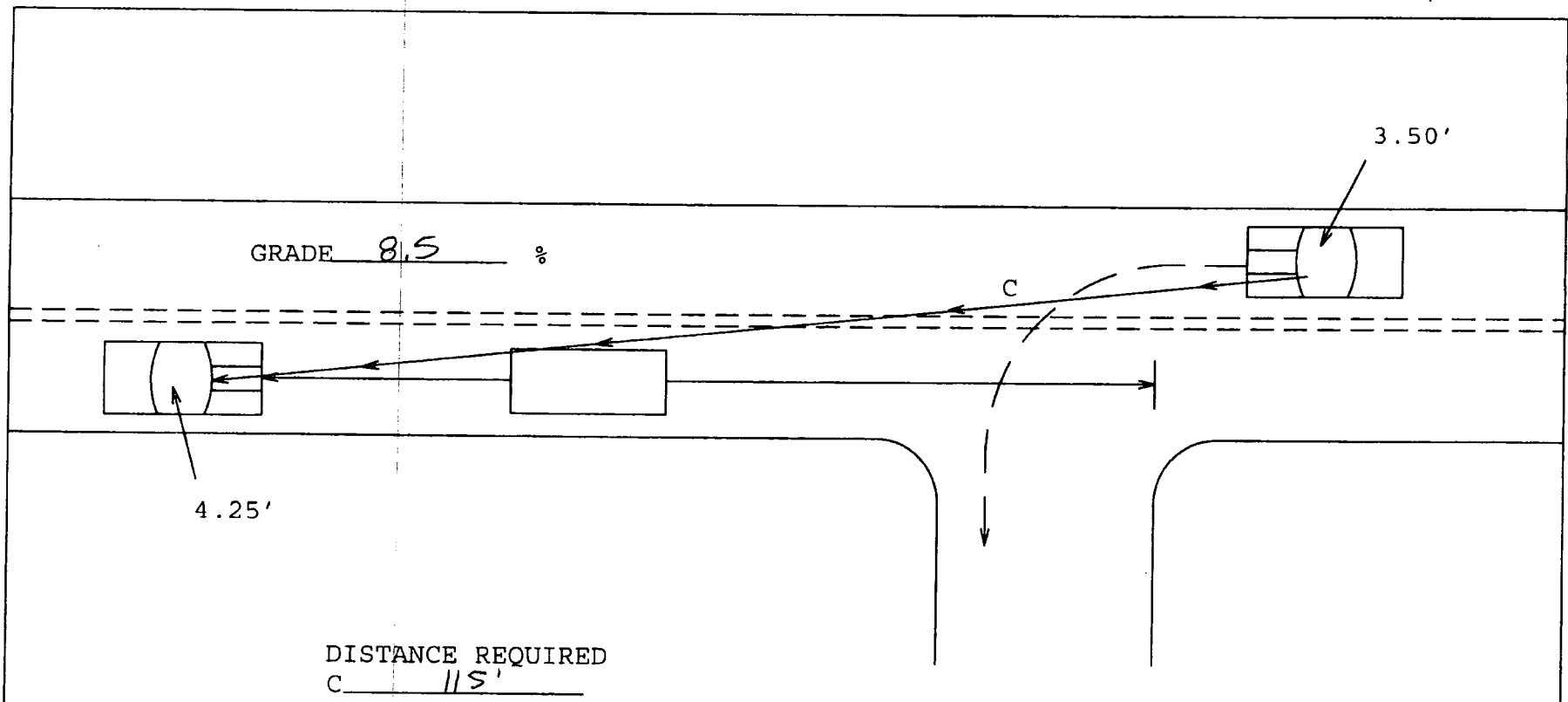
58



DISTANCE REQUIRED
 B 275'

THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER ON THE ROADWAY CAN CONTINUOUSLY SEE A VEHICLE WHICH IS LOCATED IN THE DRIVER'S TRAVEL LANE AND WHICH IS INTENDING TO MAKE A LEFT TURN INTO AN ACCESS.

FIGURE 4B



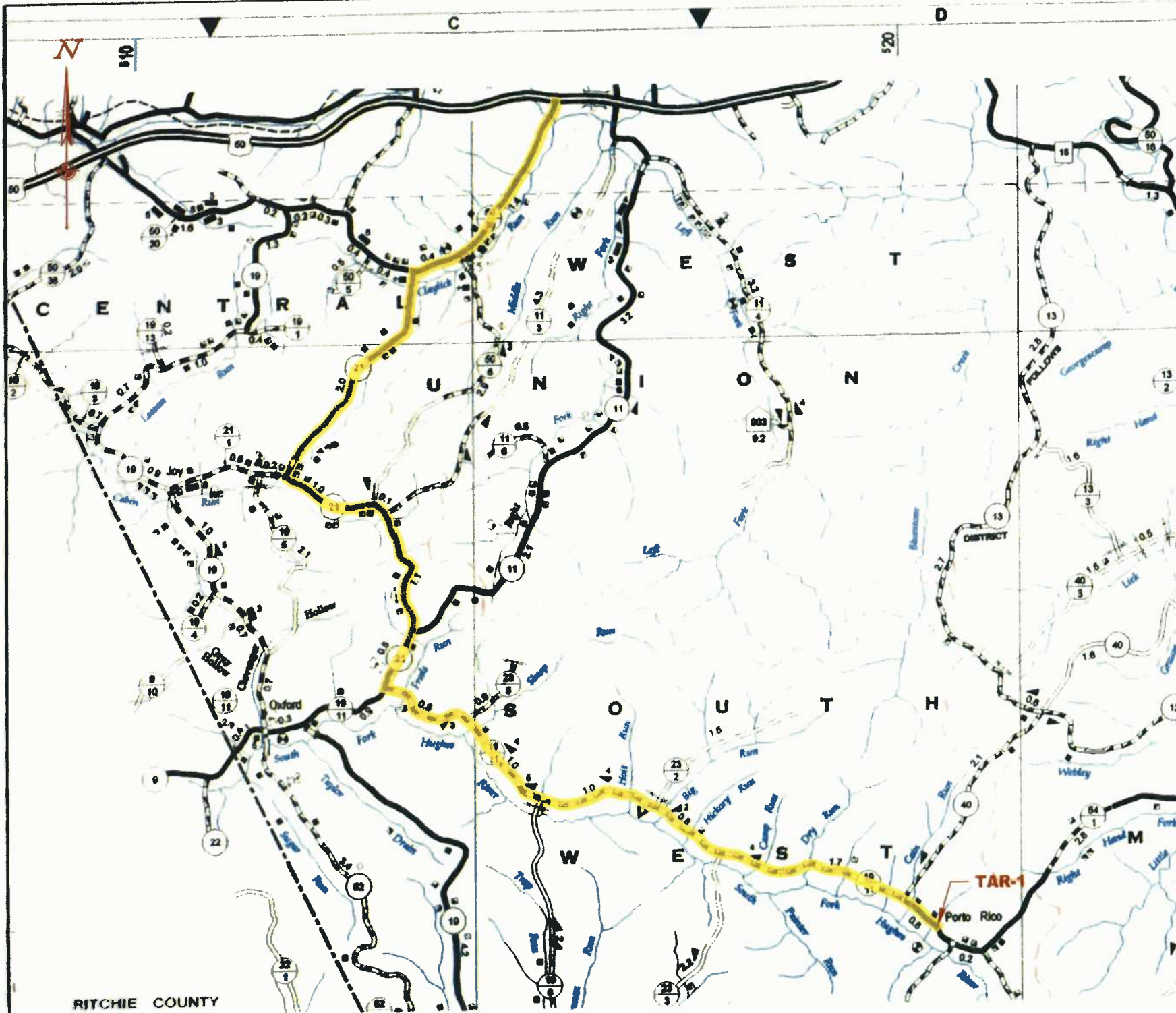
THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER OF A VEHICLE INTENDING TO MAKE A LEFT TURN INTO AN ACCESS CAN CONTINUOUSLY SEE A VEHICLE APPROACHING FROM THE OPPOSITE DIRECTION.

FIGURE 4C

59

042015088A

0420150884

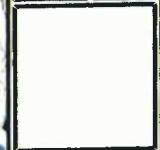


RITCHIE COUNTY

REVISIONS
NO.
DATE
BY
DESCRIPTION



OX17 PIPELINE
HAUL ROUTE



ceso
CREATION TO COMPLETION
www.cesoinc.com

ISSUE PERMIT
DATE 7/20/15
JOB NO 751022
DESIGN C.S
DRAWN C.S
CHECKED B.M
SHEET NO 1



Temporary Access Road 1

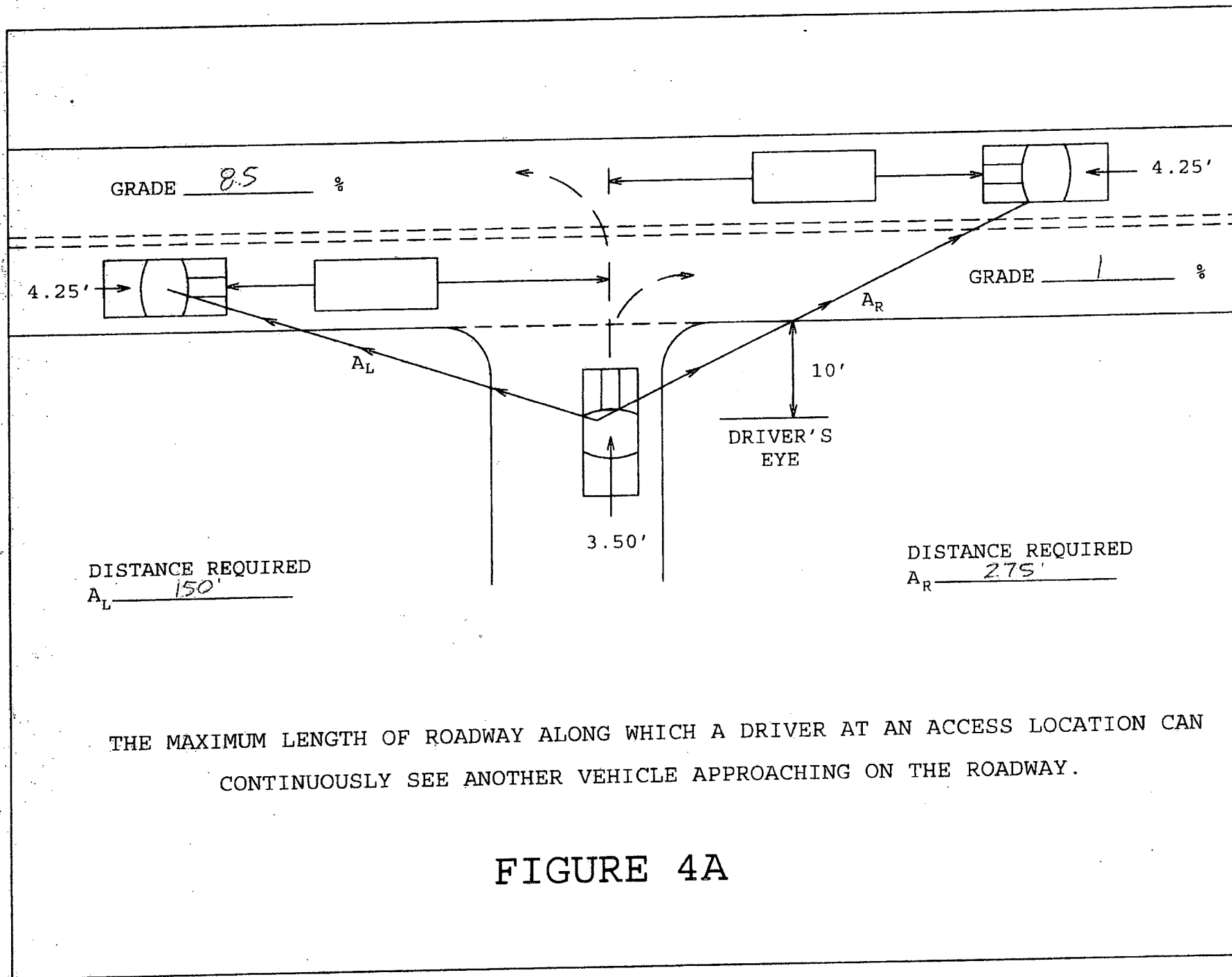


Temporary Access Road 1 (Facing Southeast CR 19/11)



Temporary Access Road 1 (Facing Northwest CR 19/11)

0420150884

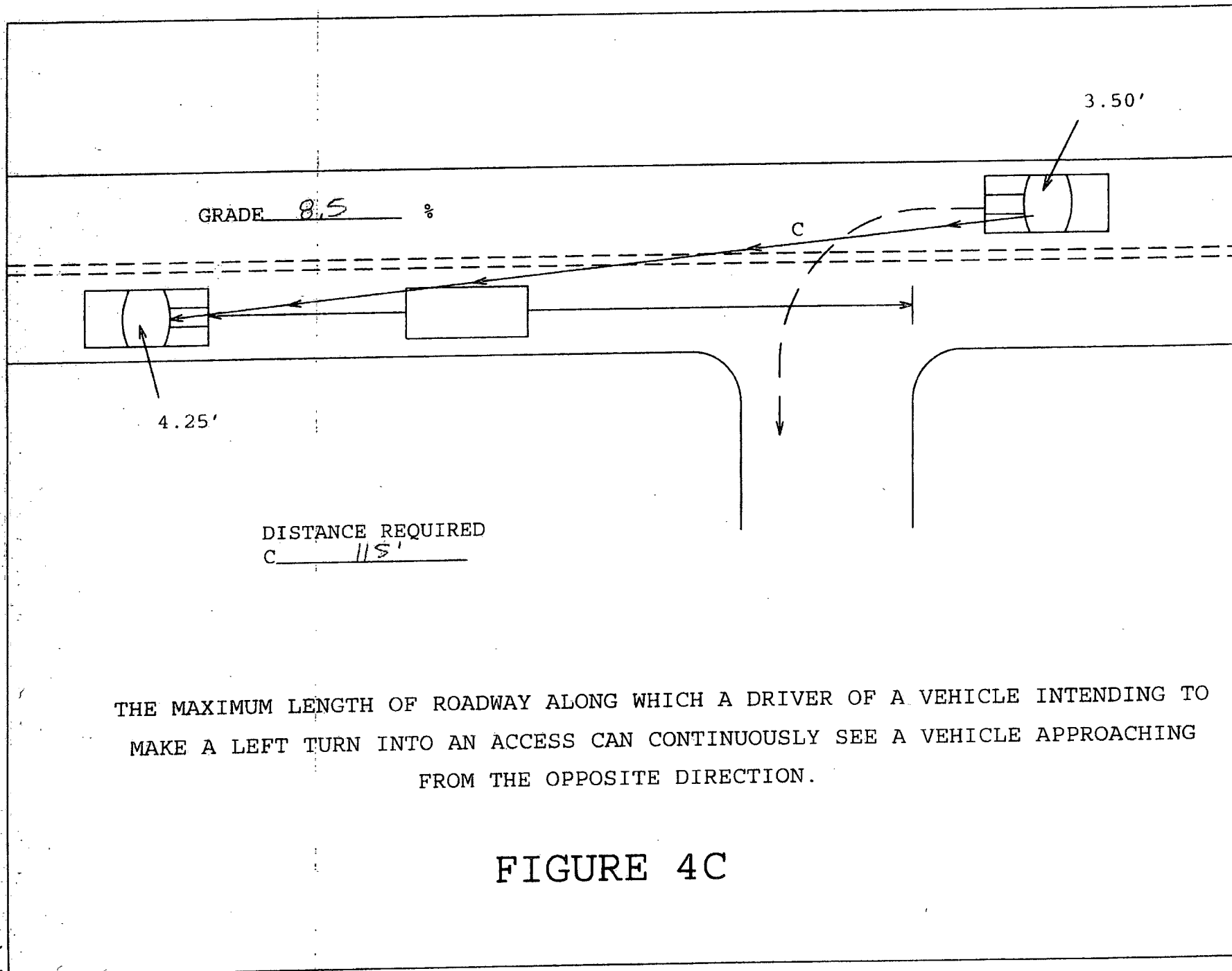


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT AN ACCESS LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.

FIGURE 4A

57

0420150884



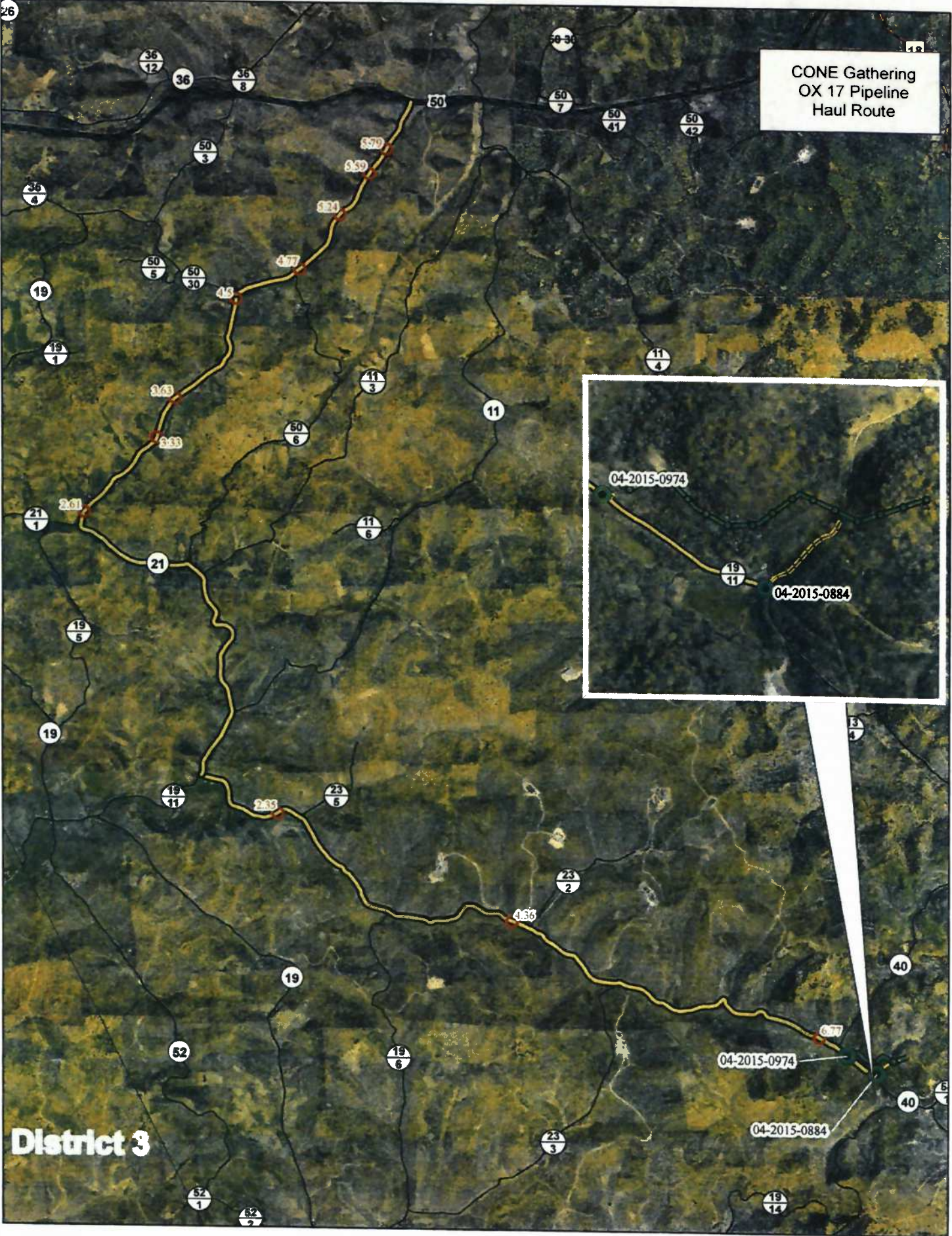
CONE Gathering
OX 17 Pipeline
Haul Route



04-2015-0974

04-2015-0884

District 3





Temporary Access Road 1

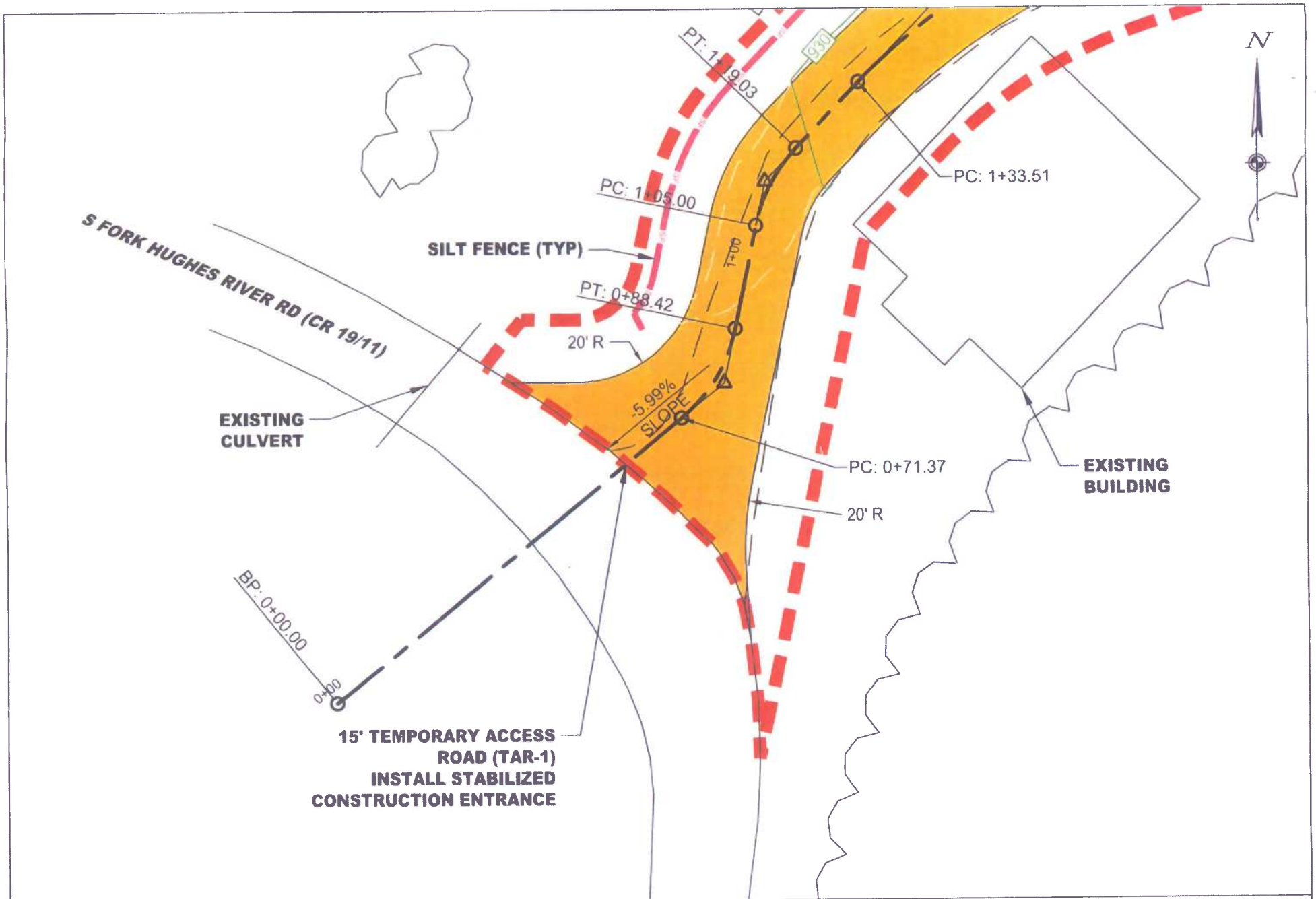


Temporary Access Road 1 (Facing Southeast CR 19/11)

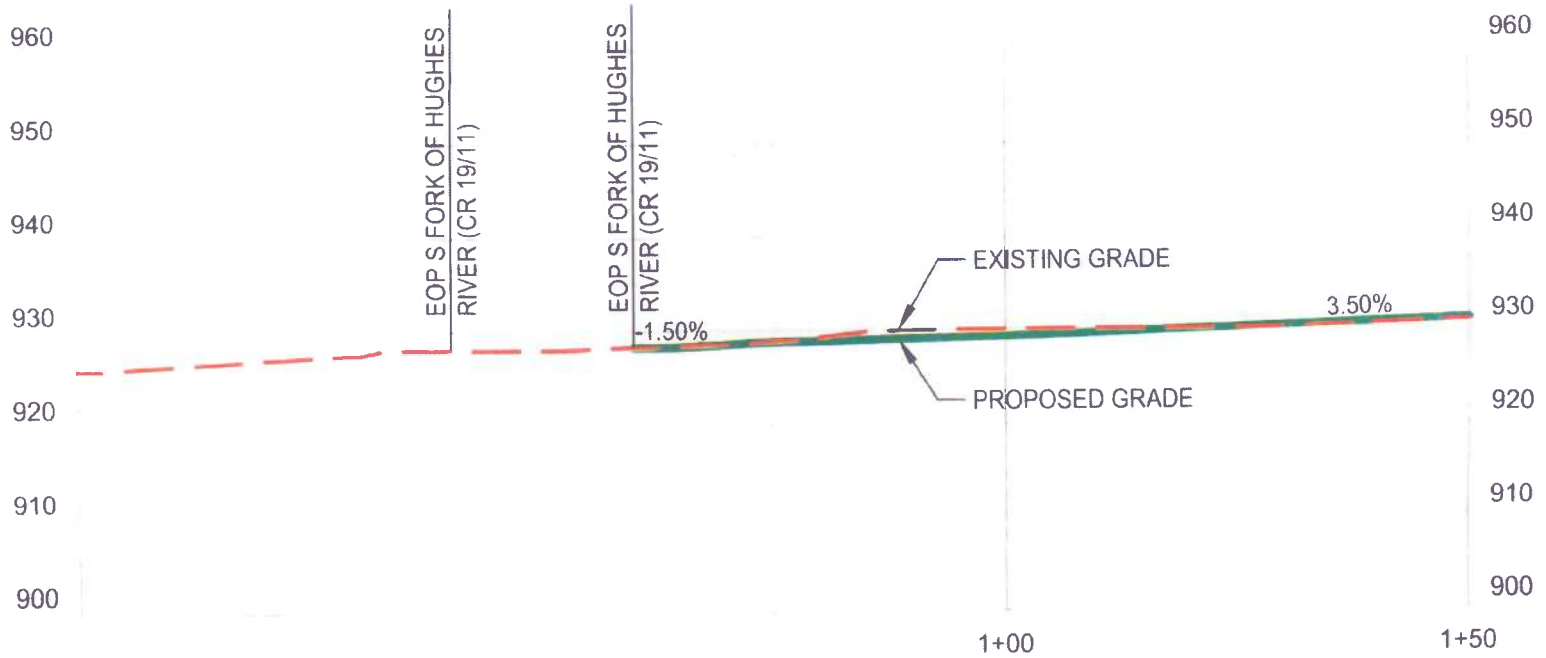


Temporary Access Road 1 (Facing Northwest CR 19/11)

0420150884



PLAN VIEW
SCALE 1"=30'

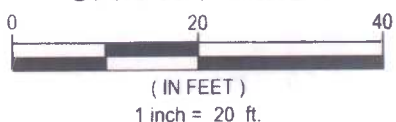


TAR-1 PROFILE
SCALE 1"=20'(H) 1"=20'(V)

LEGEND

- PIPE INSTALL BY OPEN CUT
- PIPE INSTALL BY BORE
- LOD
- BURIED ELECTRIC
- OVERHEAD LINE
- WATER LINE
- PROPERTY LINE
- CL ROAD
- EDGE OF ROAD
- STREAMS
- TREELINE

GRAPHIC SCALE



NOTES

1. TRENCH SHALL CONFORM TO WOOD-TYPE C TRENCH AS SHOWN IN ACCOMMODATIONS OF UTILITIES OF ON HIGHWAY HIGH OF WAY AND ADJUSTMENT AND RELOCATION OF UTILITIES FACILITIES ON HIGHWAY PROJECTS APPENDIX B FIGURE 3
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED PER WEST VIRGINIA MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS, CASE C2
3. ALL PROPERTY LINES SHOWN ARE BASED OFF OF COUNTY GIS DATA. PROPERTY OWNER INFORMATION AND ADDITIONAL LAND AGENT COMMENTS THESE BOUNDARIES HAVE NOT BEEN FIELD VERIFIED BY CESO INC.
4. PROPERTIES LABELED AS "KEEP OFF PROPERTY" SHOULD NOT BE IMPACTED BY CONSTRUCTION OF PIPELINE IN ANY MANNER DUE TO LAND OWNER AGREEMENTS AND FURTHER LAND AGENT INSTRUCTIONS.
5. THE INFORMATION CONTAINED IN THIS DETAIL SHALL NOT SUPERSEDE ANY REQUIREMENTS SET FORTH IN THE CONSTRUCTION SPECIFICATIONS BY CONF GATHERING LLC.

APPROACH DETAIL
PAR-1 S FORK OF HUGHES RIVER (CR 19/11)

NO.	REVISIONS	DATE	REQUESTED BY	OX17 PIPELINE	
<p style="text-align: center;">SOUTH WEST DISTRICT DODDRIDGE COUNTY WEST VIRGINIA</p> <p style="text-align: center;">www.cesoinc.com</p>				<p>DESIGNED BY: CES</p> <p>DRAWN BY: SJM</p> <p>DATE: 06/30/13</p> <p>SCALE: AS NOTED</p>	<p>PROJECT NO: 751022</p> <p>SHEET NO: 2 OF 2</p>
				<p>2800 CORPORATE EXCHANGE DRIVE COLUMBUS, OHIO 43221 PHONE: (614) 756-7500 FAX: (614) 756-4452 EMAIL: info@cesoinc.com www.cesoinc.com</p>	

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Earl Ray Tomblin
Governor

Office of the District Engineer/Manager
District Four

Paul A. Mattox, Jr., P. E.
Secretary of Transportation /
Commissioner of Highways

PO Box 4220 (EXIT 121, I-79) * Clarksburg, WV 26302 * 304-842-1550

October 23, 2015

CONE GATHERING, LLC

1000 CONSOL ENERGY DRIVE
CANONSBURG, PA 15317

Dear Applicant:

Your approved copy of Permit Number 04-2015-0974 for a T - Temporary

permit type is enclosed. A description of the work is on the permit.

Please contact the District Four office:

Mike Roncone at (304) 626-5472

at least 48 hours in advance of the date you plan to begin work so arrangements can be made to inspect the work authorized by the permit.

Failure to comply will result in cancellation of your permit.

A copy of this permit is to be available on the job at all times while the work is in progress for inspection by the West Virginia Division of Highways' personnel.

Sincerely,

District Engineer / District Manager

Permit Supervisor

Initials: RAU:JJ:dr
Attachments: Yes
Enclosure: No
cc:OM 0409 File

PERMIT NO. 0420150974

PERMIT TO ENTER UPON, UNDER, OVER OR ACROSS THE STATE ROADS OF THE STATE OF WEST VIRGINIA, AS PROVIDED FOR IN SECTION 6, ARTICLE 16, CHAPTER 17; SECTION 9, ARTICLE 16, CHAPTER 17; SECTION 8, ARTICLE 4, CHAPTER 17, WEST VIRGINIA CODE, 1931, AS AMENDED.

THIS PERMIT, Made this 1 day of July 20 15, between the WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, a statutory corporation hereinafter called DIVISION and CONE Gathering, LLC

Address: 1000 Consol Energy Drive, Canonsburg, PA 15317 Phone No: (240) 506-7299
hereinafter called APPLICANT.

WITNESSETH

In consideration of the hereinafter set out covenants and in accordance with Section 6, Article 16, Chapter 17; or Section 9, Article 16, Chapter 17; or Section 8, Article 4, Chapter 17, of the Official Code of West Virginia, 1931, as amended, and the rules and regulations promulgated thereunder, APPLICANT does hereby apply to enter

Route Type & No. CR 19/11 DOH Project No. N/A (if applicable);
at 5.3 miles East of the intersection of CR 19/11 and CR 21 Mile Post 6.999
in Doddridge County, for the purposes hereinafter set forth and in accordance with the plans and specifications which are attached hereto and made a part hereof: to construct a permanent access drive to enable the construction of a 12" natural gas line and twin 16" water lines. Once construction is complete this access drive will remain to allow permanent access to a proposed valve site.

APPLICANT further agrees to accept the conditions hereinafter set forth:

1. APPLICANT shall deposit with DIVISION the sum of \$ 1,000,000 in the form of an official, certified or cashier's check, or executed bond with surety satisfactory to DIVISION to cover any damage and inspection costs DIVISION may sustain by reason of the granting of this permit, including any expense incurred in restoring said highway to its original condition or the proper repair of any and all damages that may result within one (1) year from the date of the completion of said work.
2. APPLICANT agrees to reimburse DIVISION for inspection costs as follows:
 - A. For any inspection costs incurred under this permit.
 - B. At \$ _____ per linear foot for _____ feet of water line installed under this permit
 - C. At \$ _____ per linear foot for _____ feet of sewer line installed under this permit
3. APPLICANT shall notify DIVISION at least 48 hours in advance of the date the work will begin. Failure to comply will be cause for cancellation of this permit.
4. APPLICANT agrees to protect its employees, equipment and users of the highway at all times in accordance with the current Division of Highways manual "Traffic Control For Street and Highway Construction and Maintenance Operations".
5. APPLICANT agrees to comply with all applicable state and federal laws in the performance of work under this permit.
6. Supplementary conditions cited on the reverse side of this permit are understood and agreed to be a part hereof.
7. The work authorized under this permit shall be completed on or before (Date): 11/30/2016

Applicant's signature on this permit affirms that all text herein is a verbatim reproduction of The West Virginia Division of Highways Encroachment Permit Form MM-109, revision date May 19, 2005. All attachments are inclusive to this permit.

RECOMMENDED

[Signature]
Title ELM ADM3

[Signature]
Signature and Title of Applicant

BOND REQUIREMENT:

BOND NO. SUR0022700 DATE 05/16/2014

Attached On File

INSPECTION: Owner/Consultant

Full Time Part Time

Periodic Reimbursable No Cost

APPROVED:

[Signature]

ASSISTANT DISTRICT
ENGINEER MAINTENANCE

Title _____
West Virginia Division of Highways

AUTHORIZATION NO: _____

PERMIT NO: 0420150974

Addendum to Permit 04-2015-0884 and 04-2015-0974

This addendum, made this 23rd day of October 2015, between the West Virginia Department of Transportation, Division of Highways, a statutory company hereinafter called the Division
and
CONE Gathering, LLC

Address: 1000 Consol Energy Drive, Canonsburg, PA 15317 Phone: 240 506-7299
hereinafter called APPLICANT.

The Applicant has filed with the DIVISION a written application for the following named routes and locations:

Doddridge County Route SLS 50/30 at Mile Post 4.303 to 6.15; SLS 21 at Mile Post 0.00 to 4.53; and
SLS 19/11 at Mile Post 1.675 to 7.227

Road conditions have been verified by route review filming and any degradation will be the responsibility of the applicant to restore. Release of the applicant's bond will be determined by a final route review.

- Approach roads that the grade is above the roadway, the applicant must prevent water from entering the Division's roads by installing a box and grate or by slanting the access roads to a parallel ditch.
- 04-2015-0884, Approach will be restored to a private approach.
- 04-2015-0974, Permanent approach will be restored to a 20' commercial approach.
- Berm and ditch lines will be restored, seeded and mulched upon completion of pipeline on all temporary approaches
- Applicant will utilize CASE C-2 Traffic Control while temporary approach is in use.

Perform repairs as necessary during operation.

- After completion of the project, a joint review of roads will be filmed and evaluated to assure roads have been repaired to existing condition or better.
- No travel on School Bus Routes during their traversing operational hours on above mentioned route on bi-directional roadways where the lane widths are less than 10 ft.
- Pilot Vehicle required for all Oversized Loads on covered roads.
- Ditch lines to be maintained by applicant. **FDR or equivalent may be required to stabilize road to uphold increased traffic and heavy and excess amount of loads.** Centerline of roadway cannot be relocated without an agreement between West Virginia Division of Highways and CONE Gathering, LLC. This work requires an advanced notice and prior approval by Maintenance/Design Engineer.
- Repairs that will include "Hot Mix Asphalt" will have the following testing requirement: The supplier will be responsible for testing at the plant; Compaction testing will be as per WV DOH specifications.
- The Division of Highways shall have the right at all times to inspect the work, and if such inspections should reveal that the work is not done according to specifications, upon being so advised by the Division, CONE Gathering, LLC agrees to take immediate corrective actions.

Applicant shall properly repair and maintain any and all damages that may result to said bridges, highways, shoulders and ditches from hauling activities of Applicant, its agents, contractors and employees, to as good a condition prior to commencement of Applicant's operation or as when the permit was issued, as determined by the District Engineer/Manager of the DIVISION having jurisdiction over the work permitted, or pay damages therefore in the amount to sufficiently restore such bridges, roads, highways, shoulders and ditches to original condition; and shall reimburse the DIVISION for all inspection costs incurred by it in connection with said work and repairs of such damages and faithfully comply with all terms and conditions of said permits and save harmless the DIVISION and the State of West Virginia from all losses resulting from the conduct of said work and repairs; provided that all projects covered by this blanket bond have been restored to original or better condition; then this Bond shall be released; or otherwise will remain in full force and effect.

Bond Amount: \$ 1,000,000.00

Bond Number: SUR0022700

Date: 5/16/2014

OIL and GAS DATA INFORMATION SHEET

APPLICANT

Company Name CONE Gathering, LLC
Address 1000 Consol Energy Drive
City Canonsburg ST PA Zip 15517
Contact Person Permit Adam White Telephone (240) 506-7299
24/7 Road Maintenance Contact Kevin Zebley Telephone N/A Cell (724) 531-5428
24/7 Backup Contact Jonathon Hatfield Telephone N/A Cell (304) 517-3878

Drilling/ Fracking will require usage of _____ Less than 5000 Barrels of fluids _____ 5000 /+

Purpose of Permit To permit the construction of an access drive to enable the construction of a 12" natural gas pipeline and two 16" water lines. Permanent access for proposed valve site

Site Location

Site Name OX17 Pipeline Road Local Name S Fork of Hughes River Rte.# 19/11
Decimal Format GPS N: 39.183487 W: 80.766276 County Doddridge

Location Description

On Rte. # 19/11 being 5.3 miles N S(E)W of Jct. of Rte. # 19/11 and Rte. # 21

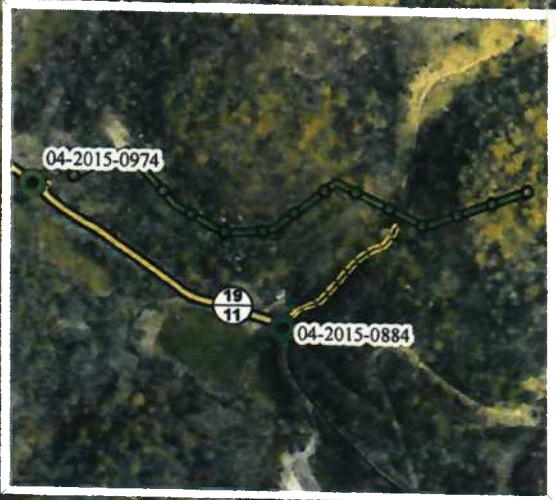
List all proposed hauling routes from US or WV Route (attach map)

Route Number and Name

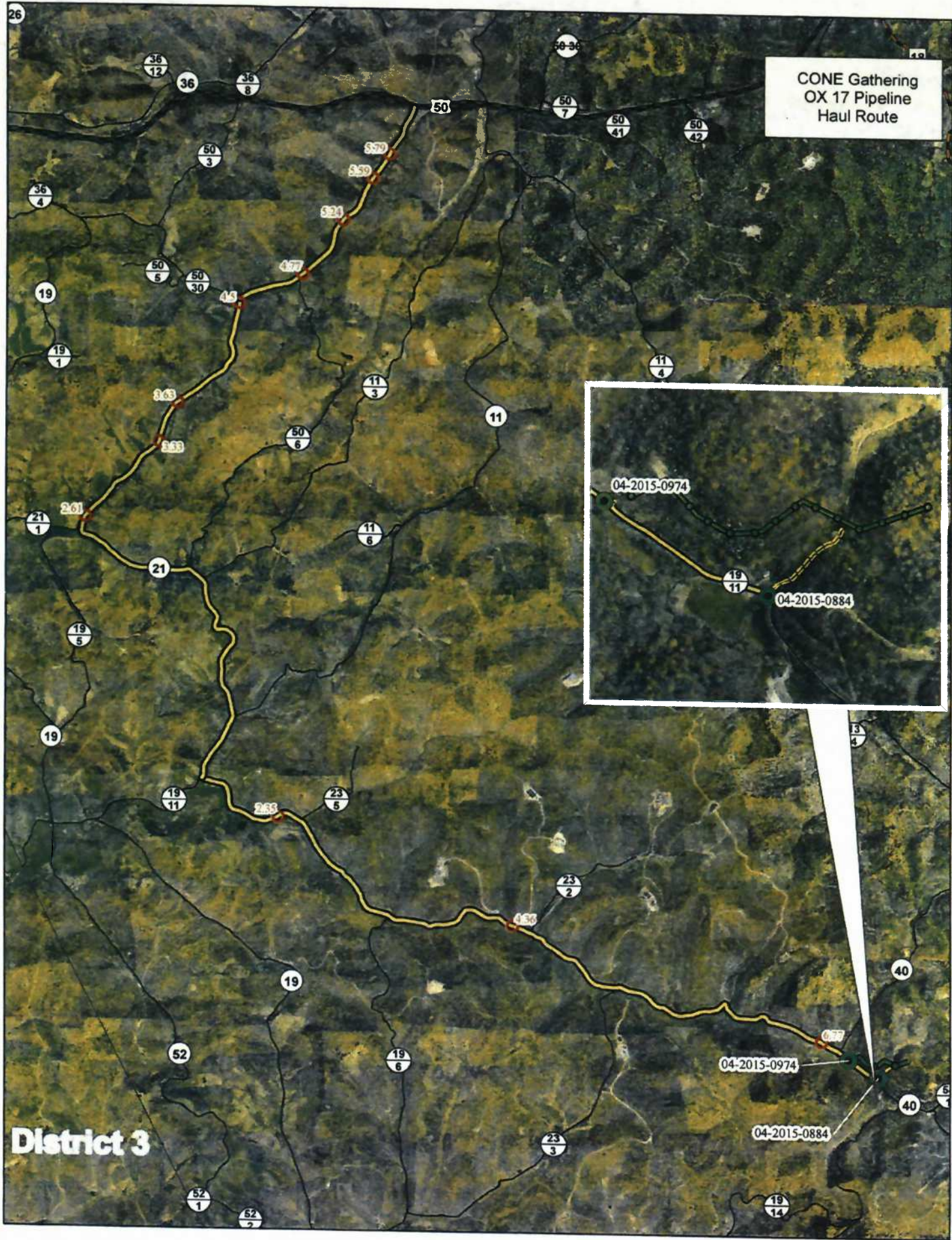
1. S Fork of Hughes River (CR 19/11)
2. Oxford Road (CR 21)
3. Old U.S. 50 (CR 50/30)
4. _____
5. _____
6. _____
7. _____
8. _____

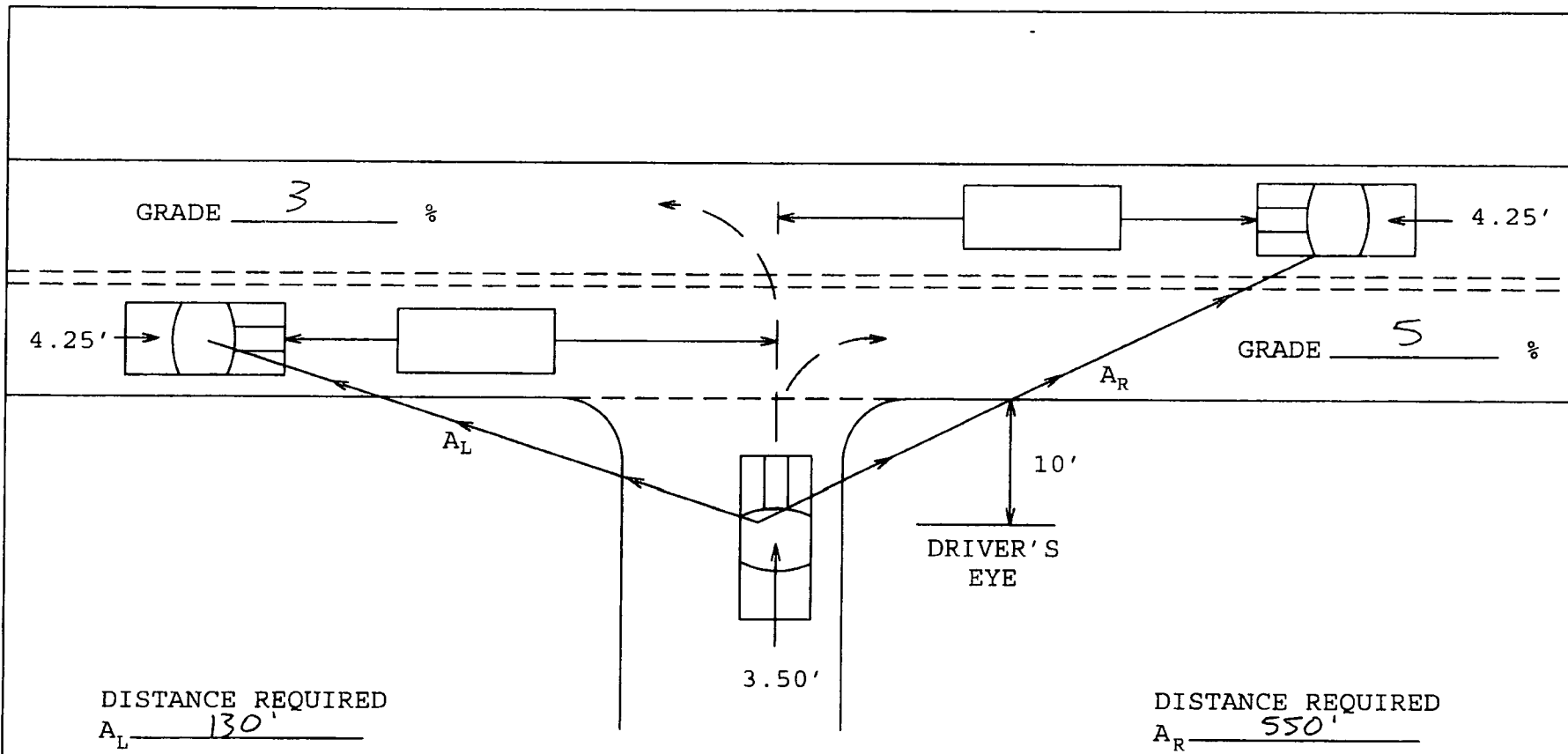
Installation Contractor Contact _____

CONE Gathering
OX 17 Pipeline
Haul Route



District 3



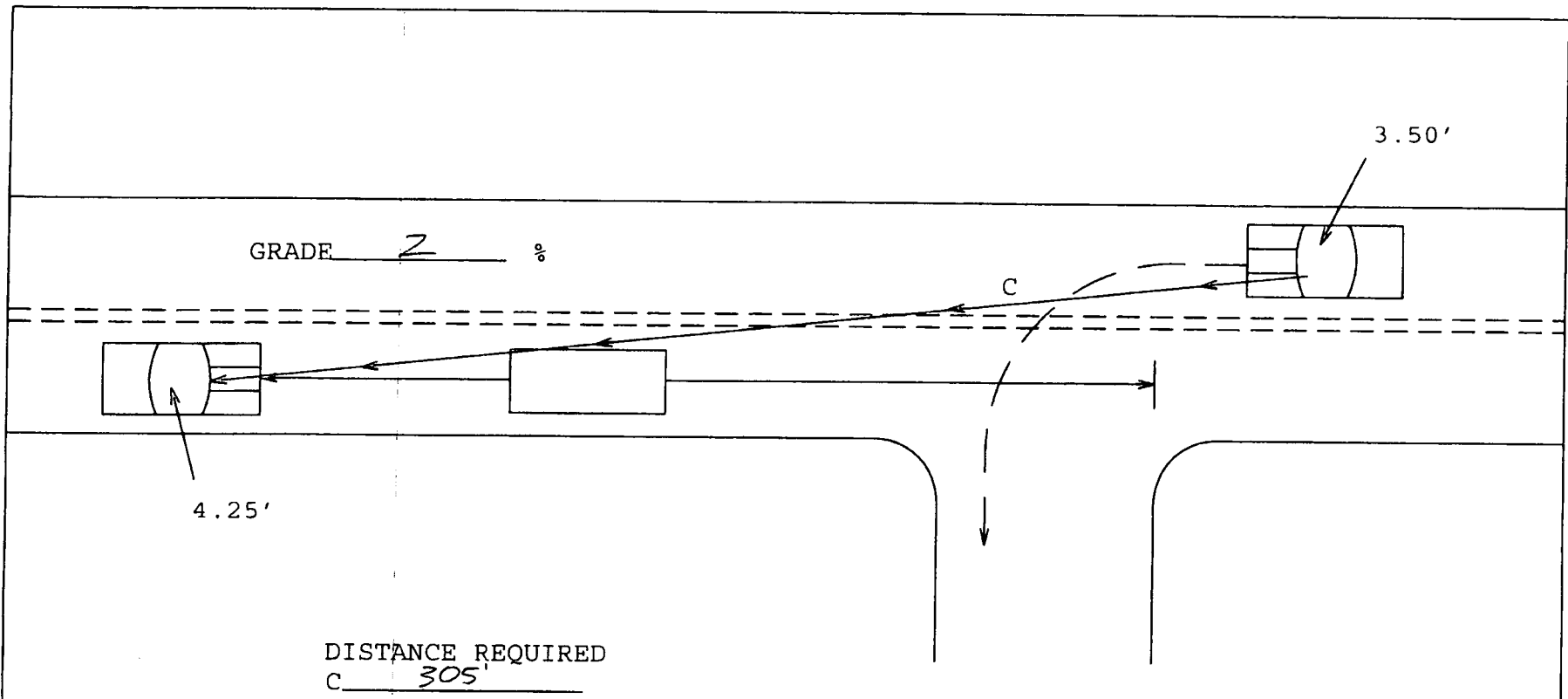


THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER AT AN ACCESS LOCATION CAN CONTINUOUSLY SEE ANOTHER VEHICLE APPROACHING ON THE ROADWAY.

FIGURE 4A

57

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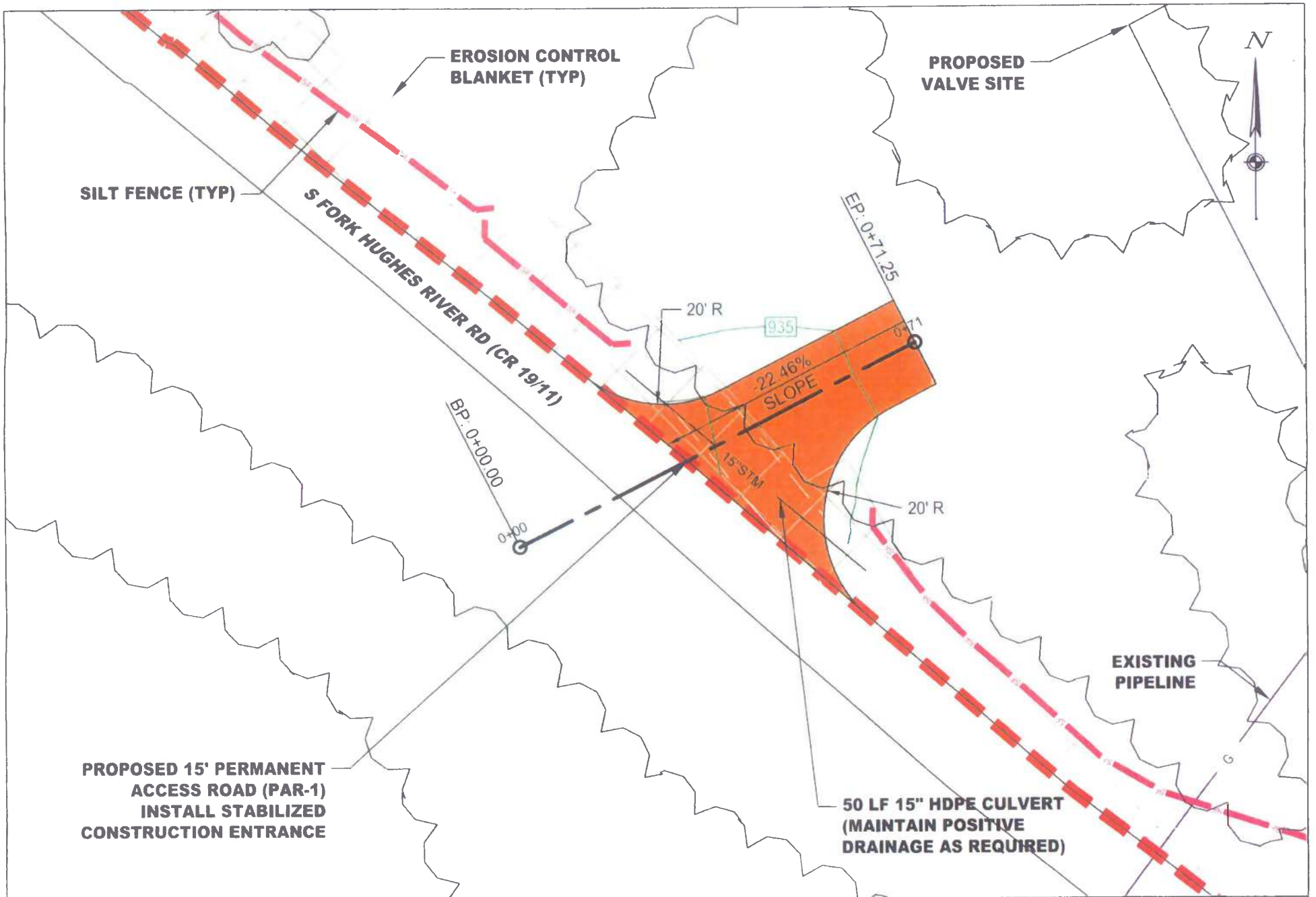


DISTANCE REQUIRED
C 305'

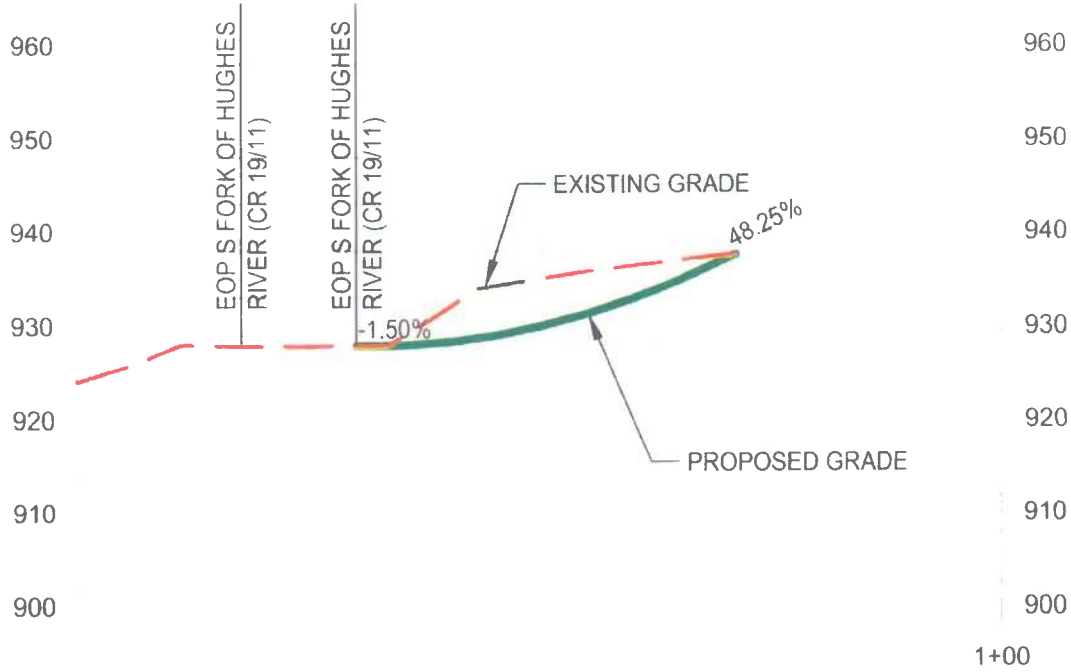
THE MAXIMUM LENGTH OF ROADWAY ALONG WHICH A DRIVER OF A VEHICLE INTENDING TO MAKE A LEFT TURN INTO AN ACCESS CAN CONTINUOUSLY SEE A VEHICLE APPROACHING FROM THE OPPOSITE DIRECTION.

FIGURE 4C

59
0420150974



PLAN VIEW
SCALE 1"=30'

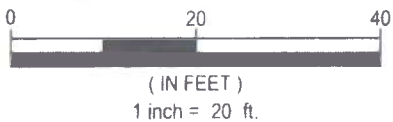


PAR-1 PROFILE
SCALE 1"=20'(H) 1"=20'(V)

LEGEND

- PIPE INSTALL BY OPEN CUT
- PIPE INSTALL BY BORL
- LOD
- BURIED ELECTRIC
- OVERHEAD LINE
- WATER LINE
- PROPERTY LINE
- CR ROAD
- EDGL OF ROAD
- STREAMS
- TREELINE

GRAPHIC SCALE



NOTES

- TRENCH SHALL CONFORM TO WVDOT TYPE C TRENCH AS SHOWN IN ACCOMMODATIONS OF UTILITIES OF HIGHWAY PROJECTS APPENDIX B FIGURE 3
- TWO-WAY TRAFFIC SHALL BE MAINTAINED PER THE WEST VIRGINIA MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS CASE CC
- ALL PROPERTY LINES SHOWN ARE BASED OFF OF COUNTY GIS DATA. PROPERTY OWNERS BY ORINATION AND ADDITIONAL LAND AGENT COMMENTS. THESE BOUNDARIES HAVE NOT BEEN FIELD VERIFIED BY CESO INC.
- PROPERTIES LABELED AS "KEEP OFF PROPERTY" SHOULD NOT BE IMPACTED BY CONSTRUCTION OF PIPELINE IN ANY MANNER DUE TO LAND OWNER AGREEMENTS AND LOCAL, STATE AND FEDERAL RESTRICTIONS.
- THE INFORMATION CONTAINED IN THIS DETAIL SHALL NOT SUPERSEDE ANY REQUIREMENTS SET FORTH IN THE CONSTRUCTION SPECIFICATIONS BY CORP. GATHRANG LLC

APPROACH DETAIL
PAR-1 S FORK OF HUGHES RIVER (CR 19/11)

OX17 PIPELINE		
SOUTH WEST DISTRICT DODDRIDGE COUNTY WEST VIRGINIA		DESIGN BY CESO
www.cesoinc.com		PROJECT No. 751022
		SCALE 1 OF 2
		2800 CORPORATE EXHIBIT DRIVE COLUMBUS OH 43231 OFFICE: 614.794.7000 FAX: 614.794.4000 email: sales@cesoinc.com www.cesoinc.com

0420150974



DEPARTMENT OF THE ARMY
HUNTINGTON DISTRICT, CORPS OF ENGINEERS
502 EIGHTH STREET
HUNTINGTON, WEST VIRGINIA 25701-2070

JAN 07 2015

REPLY TO
ATTENTION OF

Regulatory Division
Energy Resource Branch
LRH-2015-00575-LKR-UNT of South Fork Hughes River
OX17 Pipeline Project

PRELIMINARY JURISDICTIONAL DETERMINATION
AND NATIONWIDE PERMIT NO. 12 VERIFICATION

Ms. Carol Phillips
Cone Gathering, LLC
One Energy Drive
Jane Lew, West Virginia 26378

Dear Ms. Phillips:

I refer to the Pre-Construction Notification (PCN) requesting a Department of the Army (DA) authorization to discharge dredged and/or fill material into waters of the United States (U.S.) in association with the proposed OX17 Pipeline Project. The proposed project will connect the OX17 natural gas pad to the Sherwood South Pipeline. The project is located near Porto Rico, in Doddridge County, West Virginia (39.183556°N, 80.758926°W). On-site waters flow into South Fork Hughes River, a direct tributary of the Little Kanawha River, a traditional navigable water of the U.S. This project has been assigned the following file number: LRH-2015-00575-LKR-UNT of South Fork Hughes River. Please reference this file number on all future correspondence related to this project.

The U.S. Army Corps of Engineers (Corps) authority to regulate waters of the U.S. is based, in part, on the definitions and limits of jurisdiction contained in 33 CFR 328 and 33 CFR 329. Section 404 of the Clean Water Act (Section 404) requires that a DA permit be obtained prior to the discharge of dredged or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 (Section 10) requires that a DA permit be obtained for any work in, on, over or under a navigable water.

Preliminary Jurisdictional Determination (JD)

Based on a review of the submitted information, this office has determined that three (3) streams totaling 681 linear feet (lf) and one (1) emergent wetland totaling 0.07 acre are located within the JD boundary. Of the 681 lf, two (2) ephemeral stream channel (S-G2 and S-AJL1) totaling 383 linear feet, and one (1) perennial stream channel (S-G1) totaling 298 linear feet. This office has determined that these waters **may** be jurisdictional waters of the United States in accordance with the Regulatory Guidance Letter for Jurisdictional Determinations issued by the Corps on June 26, 2008 (RGL No. 08-02). As indicated in the guidance, this preliminary JD is non-binding and cannot be appealed (33 C.F.R. 331.2) and only provides a written indication that waters of the U.S., including wetlands, may be present on-site.

You have declined to exercise the option to obtain an approved JD in this instance and at this time. However, for the purposes of the determination of impacts, compensatory mitigation, and other resource protection measures for activities that require authorization from this office, the streams and wetlands identified above will be evaluated as if they are waters of the U.S.

Enclosed please find two copies of the PJD form. If you agree with the findings of this PJD and understand your options regarding the same, please sign and date one copy of the PJD form and return it to this office within 30 days of receipt of this letter. You should submit the signed copy via email to kyle.m.moore@usace.army.mil or to the following address:

United States Army Corps of Engineers
Huntington District, Regulatory Division
Attn: Mr. Kyle Moore (LRH-2015-00575-LKR)
502 Eighth Street
Huntington, WV 25701

Nationwide Permit No. 12

The proposed project, as described in the submitted information, has been reviewed in accordance with Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act. Based on your description of the proposed work, and other information available to us, it has been determined that this project will not involve activities subject to the requirements of Section 10. However, this project will include the discharge of dredged or fill material into waters of the United States subject to the requirements of Section 404.

In the PCN received in this office, you have requested a DA authorization to discharge dredged and/or fill material into 50 linear feet of two (2) streams (Stream S-G1 and Stream S-G2) and 0.043 acre of one (1) emergent wetland (Wetland W-G1) involving two (2) single and complete linear project locations, in association with the installation of buried utility line and then returning the area to its original contours as described in Table 1 (enclosed). All work shall be conducted in accordance with the final plans titled *Preconstruction Notification OX17 Pipeline*, dated January 2015.

Based on your description of the proposed work, it has been determined the proposed discharge of dredged and/or fill material into waters of the U.S., for the construction of the OX17 Pipeline Project meets the criteria for authorization under Nationwide Permit (NWP) #12 under the February 21, 2012 Federal Register, Notice of Reissuance of NWPs (77 FR 10184) provided you comply with all terms and conditions of the enclosed material. The West Virginia Department of Environmental Protection has issued 401 Water Quality Certification for this NWP. A copy of this NWP is enclosed and can be found on our website at <http://www.lrh.usace.army.mil/Missions/Regulatory.aspx>

In view of the above, your project is authorized subject to the terms and conditions of the enclosed material, including the attached special conditions. It is your responsibility to ensure that your work conforms to all of the environmental management conditions listed within the enclosed material.

This verification is valid until the expiration date of the NWP, unless the NWP authorization is modified, suspended, or revoked. The verification will remain valid if the NWP authorization is reissued without modification or the activity complies with any subsequent modification of the NWP authorization. All of the existing NWPs are scheduled to be modified, reissued, or revoked on March 18, 2017. Prior to this date, it is not necessary to contact this office for re-verification of your project unless the plans for the proposed activity are modified. Furthermore, if you commence or under contract to commence this activity before March 18, 2017, you will have twelve (12) months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Upon completion of the work, the attached certification must be signed and returned to this office. If you have any questions concerning the above, please contact Kyle Moore at (513) 825-4489 or by email at Kyle.M.Moore@usace.army.mil.

Sincerely,

FANNIN.ADAM
.E.1386572271

Digitally signed by
FANNIN.ADAM.E.1386572271
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cn=FANNIN.ADAM.E.1386572271
Date: 2016.01.07 12:42:05 -05'00'

Adam Fannin
Project Manager
Energy Resource Branch

Enclosures

cc: via email

Mr. Andrew Longenecker
CESO, Inc.
800 Bursca Drive, Suite 804
Bridgeville, Pennsylvania 15017
longenecker@cesoinc.com

Table 1 – Authorized discharge of dredged and/or fill material into waters of the U.S. associated with the construction of the Cone Gathering LLC, OX17 Pipeline Project LRH-2015-00575-LKR- UNT of South Fork Hughes River

Stream S-G1	UNT to South Fork Hughes River	39.183251, -80.761182	Perennial	298 lf	15 lf	Open-cut trench; 12-inch gas line & two 16-inch water lines
Stream S-G2	UNT to South Fork Hughes River	39.182905, -80.761195	Ephemeral	152 lf	35 lf	Open-cut trench; 12-inch gas line & two 16-inch water lines
Stream S-AJL1	UNT to South Fork Hughes River	39.183556, -80.761322	Ephemeral	231 lf	None	None
Wetland G1		39.183237, -80.761117	Emergent	0.07 ac	0.043 ac	Open-cut trench; 12-inch gas line & two 16-inch water lines
				681 lf 0.07 ac	50 lf 0.043 ac	

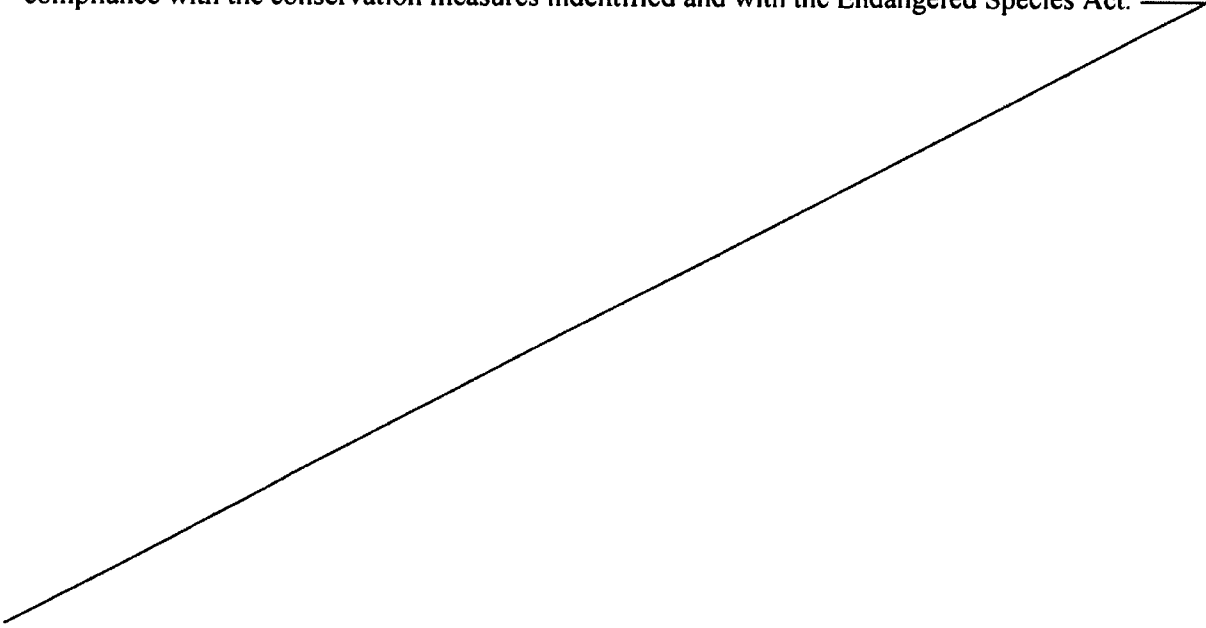
**Nationwide Permit 12 Verification Special Conditions
Cone Gathering, LLC – OX17 Pipeline Project
LRH-2015-00575-LKR – UNT to South Fork Hughes River
Page 1 of 1**

Special Condition 1: Should new information regarding the scope and/or impacts of the project become available that was not submitted to this office during our review of the proposal, the permittee shall submit written information concerning proposed modification(s) to this office for review and evaluation, as soon as practicable.

Special Condition 2: Section 7 obligations under Endangered Species Act must be reconsidered if new information reveals impacts of the project that may affect federally listed species or critical habitat in a manner not previously considered, the proposed project is subsequently modified to include activities which were not considered during Section 7 consultation with the United States Fish and Wildlife Service, or new species are listed or critical habitat designated that might be affected by the subject project.

Special Condition 3: Appropriate site specific best management practices for sediment and erosion control will be fully implemented during construction activities at the site.

Special Condition 4: The United States Fish and Wildlife Service (USFWS) letter dated 10 December 2015 Myotis Bat Conservation Plan contains avoidance, minimization and conservation measures for the federally listed Indiana bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*). Your authorization under this Corps permit is conditional upon your compliance with the conservation measures incorporated by reference in this permit. Failure to comply with the conservation measures identified by the USFWS would constitute non-compliance with your Corps permit. The USFWS is the appropriate authority to determine compliance with the conservation measures identified and with the Endangered Species Act.



PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): January 7, 2016

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:

Ms. Carol Phillips
Cone Gathering, LLC
One Energy Drive
Jane Lew, West Virginia 26378

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

LRH-2015-00575-LKR-UNT to South Fork Hughes River; OX17 Pipeline Project

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

State: West Virginia
County: Doddridge County
City: Porto Rico
Coordinates of site: 39.183556°N, -80.758926°W

Name of nearest waterbody: South Fork Hughes River

Identify (estimate) amount of waters in the review area:

Non-wetland waters: 681 linear feet (refer to Table 1 below)
Cowardin Class: Riverine
Stream Flow: Perennial and Ephemeral
Wetlands: 0.07 acre
Cowardin Class: Emergent

Name of any water bodies on the site that have been identified as Section 10 waters:

None.

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date: January 4, 2016
 Field Determination. Date(s): N/A

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.
2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction

notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: In report entitled: "*OX17 Pipeline Location Map*", received in this office on July 6, 2015.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- Office concurs with data sheets/delineation report. For the streams and wetland in Table 1.
- Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data. USACE ORM NHD dataset
 - USGS 8 and 12 digit HUC maps.

- U.S. Geological Survey map(s). USGS WV-OXFORD 24K Quad.
- USDA Natural Resources Conservation Service Soil Survey.
- National wetlands inventory map(s). USACE ORM NWI dataset, accessed December 2015.
- State/Local wetland inventory map(s):
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): Google Earth accessed December 2015.
or Other (Name & Date): in the report referenced above.
- Previous determination(s). File no. and date of response letter:
- Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

MOORE.KYLE. Digitally signed by
MOORE.KYLE.M.1457136630
DN: cn=US, ou=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cni=MOORE.KYLE.M.1457136630
Date: 2016.01.07 13:05:48 -05'00'
M.1457136630

KYLE MOORE
Regulatory Specialist
Energy Resource Branch

Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining the
signature is impracticable)

**Table 1 – On-site Aquatic Resources
Cone Gathering-OX17 Pipeline Project
LRH-2015-00575-LKR-UNT to South Fork Hughes River**

Water ID	Waterway name	Latitude & Longitude		Cowardin Class	Length (lf) or Acreage (ac) of Stream or Wetland in Delineation Boundary (lf)	Length (lf) or Acreage (ac) of Stream or Wetland Proposed for Discharge (lf)	Other Pertinent Information
Stream S-G1	UNT to South Fork Hughes River	39.183251	-80.761182	Perennial	298 lf	15 lf	Non-Section 10, non-wetland
Stream S-G2	UNT to South Fork Hughes River	39.182905	-80.761195	Ephemeral	152 lf	35 lf	Non-Section 10, non-wetland
Stream S-AJLI	UNT to South Fork Hughes River	39.183556	-80.761322	Ephemeral	231 lf	None	Non-Section 10, non-wetland
Wetland W-G1	UNT to South Fork Hughes River	39.183237	-80.761117	Emergent	0.07 ac	0.043 ac	Non-Section 10, wetland

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): January 7, 2016

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:

Ms. Carol Phillips
Cone Gathering, LLC
One Energy Drive
Jane Lew, West Virginia 26378

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

LRH-2015-00575-LKR-UNT to South Fork Hughes River; OX17 Pipeline Project

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

State: West Virginia
County: Doddridge County
City: Porto Rico
Coordinates of site: 39.183556°N, -80.758926°W

Name of nearest waterbody: South Fork Hughes River

Identify (estimate) amount of waters in the review area:

Non-wetland waters: 681 linear feet (refer to Table 1 below)
Cowardin Class: Riverine
Stream Flow: Perennial and Ephemeral
Wetlands: 0.07 acre
Cowardin Class: Emergent

Name of any water bodies on the site that have been identified as Section 10 waters:
None.

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date: January 4, 2016
 Field Determination. Date(s): N/A

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.
2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction

notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: In report entitled: "*OX17 Pipeline Location Map*", received in this office on July 6, 2015.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- Office concurs with data sheets/delineation report. For the streams and wetland in Table 1.
- Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data. USACE ORM NHD dataset
 - USGS 8 and 12 digit HUC maps.

- U.S. Geological Survey map(s). USGS WV-OXFORD 24K Quad.
- USDA Natural Resources Conservation Service Soil Survey.
- National wetlands inventory map(s). USACE ORM NWI dataset, accessed December 2015.
- State/Local wetland inventory map(s):
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): Google Earth accessed December 2015.
or Other (Name & Date): in the report referenced above.
- Previous determination(s). File no. and date of response letter:
- Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

MOORE.KYLE. Digitally signed by
MOORE.KYLE.M.1457136630
DN: c=US, o=US Government, ou=DoD,
ou=PKI, ou=USA,
cn=MOORE.KYLE.M.1457136630
Date: 2016.01.07 13:05:49 -05'00'
M.1457136630

KYLE MOORE
Regulatory Specialist
Energy Resource Branch

Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining the
signature is impracticable)

**Table 1 – On-site Aquatic Resources
Cone Gathering-OX17 Pipeline Project
LRH-2015-00575-LKR-UNT to South Fork Hughes River**

Water ID	Waterway name	Latitude & Longitude		Cowardin Class	Length (lf) or Acreage (ac) of Stream or Wetland in Delineation Boundary (lf)	Length (lf) or Acreage (ac) of Stream or Wetland Proposed for Discharge (lf)	Other Pertinent Information
Stream S-G1	UNT to South Fork Hughes River	39.183251	-80.761182	Perennial	298 lf	15 lf	Non-Section 10, non-wetland
Stream S-G2	UNT to South Fork Hughes River	39.182905	-80.761195	Ephemeral	152 lf	35 lf	Non-Section 10, non-wetland
Stream S-AJL1	UNT to South Fork Hughes River	39.183556	-80.761322	Ephemeral	231 lf	None	Non-Section 10, non-wetland
Wetland W-G1	UNT to South Fork Hughes River	39.183237	-80.761117	Emergent	0.07 ac	0.043 ac	Non-Section 10, wetland

CELRH-RD-E

Permit Number: LRH-2014-00575-LKR-UNT of South Fork Hughes River; OX17 Pipeline Project

Name of Permittee: Ms. Carol Phillips
Cone Gathering, LLC
One Energy Drive
Jane Lew, West Virginia 26378

Date of Issuance: January 7, 2016

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

Huntington District
U.S. Army Corps of Engineers
502 8th Street
Huntington, West Virginia 25701-2070
Attn: CELRH-RD-E

Please note that your permitted activity is subject to a compliance inspection by a United States Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date



Attachment C- Construction Cost Calculations

OX17 Pipeline

- Pipeline & Waterline Construction "Open Cut" - $0 \text{ LF} * 150 = \$0.00$
- Temporary Access Roads - $520 \text{ LF} * \$30 = \$15,600$
- Laydown Area - $1 * \$5,000 = \$5,000$
- Timber Matting - $0 \text{ LF} * \$10 = \0
- Silt Fence - $720 \text{ LF} * \$2 = \$1,440$
- **Total Floodplain Construction Cost = \$22,040**

Check Amount Required = \$500

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:

Doddridge County

Permit Application # 16-401

Please take notice that on the 15th day of January, 2016

CONE GATHERING - OX17 PIPELINE

filed an application for a Floodplain Permit to develop land located at or about:

Location: 39.183556N, 80.758926W to 39.183633N, 80.765799W

was published in The Doddridge Independent 2 times commencing on Friday, January 22, 2016 and Ending on Friday, January 29, 2016 at the request of:

George Eidel, Doddridge County Floodplain Manager & Doddridge County Commission

Given under my hand this Friday, January 29, 2016

The publisher's fee for said publication is:

\$ 25.27 1st Run / \$ 18.95 Subsequent Runs

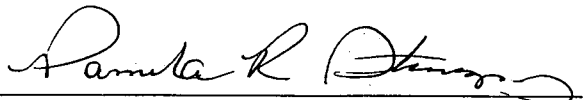
This Legal Ad Total: \$ 44.22


Michael D. Zorn

Publisher of The Doddridge Independent

Subscribed to and sworn to before me on

this date: 1/29/16



Notary Public in and for Doddridge County

My Commission expires on

The 17th day of May 2019

Public Notice • Legal Notice

Doddridge County
Permit Application # 16-401
 Please take notice that on the 15th day of January, 2016
CONE GATHERING - OX17 PIPELINE
 filed an application for a Floodplain Permit to develop land located at or about:
 Location: 39.183556N, 80.758926W to 39.183633N, 80.765799W
 Received: 01/15/2016
 Announced: 01/19/2016
 Publication Date: Week of 01/19/2016
 20-Day Comment Period Window (from Commission Meeting 2/8/2016)
 90-Day Approval Window (from date of receipt) N/A
Project Description: Gas Line and Water Line
 The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. As this project is outside the FEMA identified floodplain of Doddridge County, Doddridge County Floodplain Management has no regulatory authority. Any interested persons who desire to comment shall present the same in writing by February 8th, 2016, delivered to:
 Clerk of the County Court
 118 E. Court Street, West Union, WV 26456
 Beth A. Rogers, Doddridge County Clerk
 George Eidel, Doddridge County Floodplain Manager
 1/22 - 1/29

