

## west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

July 31, 2015

## WELL WORK PLUGGING PERMIT

## Plugging

This permit, API Well Number: 47-9703147, issued to XTO ENERGY, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

Operator's Well No: EVANS 1 D0404

Farm Name: EVANS, R. T. JR.

API Well Number: 47-9703147

Permit Type: Plugging Date Issued: 07/31/2015

# PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

# CONDITIONS

- 1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
- 2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
- 3. Well work activities shall not constitute a hazard to the safety of persons.

WW-4B Rev. 2/01

1) Date July 1	, 20 14
2) Operator's	
Well No. Evans 1 D0404	
3) API Well No. 47-097	- 03147

JUL 08 2015

# STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

		OF OIL AND GAS  ERMIT TO PLUG AND ABANDON
4)		uid injection/ Waste disposal/
4/		Underground storage) Deep/ Shallow X
	(11 Gas, Production N of	onderground storage/ beep/ bharrows
5)	Location: Elevation 1259'	Watershed Hackers Creek
	District Warren	County Upshur Quadrangle Berlin
6)	Well Operator XTO Energy Inc	7) Designated Agent Gary Beall
	Address PO Box 1008	Address PO Box 1008
	Jane Lew, WV 26378	Jane Lew, WV 26378
8)	Oil and Gas Inspector to be notified	W. J.
	Name Bryan Harris	Name
	Address PO Box 157	Address
	Volga, WV 26238	
	cut casing at 1410' and circulate 6% get back to surface, then pump cement from 1410' up to 1' up to 250' and pump cement to surface. 7" casing is cemented to surface. Install w	150°, elevation at 1276°, pull casing up to 1000° and pump cement up to 830°, bottom of 7° casing at 934°, pull casing well monument.
or.	k can commence.	oil and gas inspector 24 hours before permitted
lor	k order approved by inspector	_ 0'then' Date 7-1-15
		01/31/20
		Office of Oil & G

WR-35		DATE		1	•
		AP		-03147	
	of West Virgini		j	RECEIV	ED
	vironmental P		j	Office of Oil	& Gas
Well Operator		-		JUL 17	
Farm Name: Evans #1	Operator W		ો D0404	vironmental Pro	otection
LOCATION: Elevation: 1,275.88' District: Warren	•	rangle: County:	Berlin Upshur		
Latitude: 12,605 Feet S. of		07 Min.	30 / Se		
Longitude: 1,965 Feet W. of		. 15 Min.	00 Se		
		<u></u>	<del></del> 00		
Company: Devonian Gas Production,Inc.					
í	Casing &	Used in	1	Cement fill	
Address: PO Box 907	Tubing	Drilling	Left in Well	up Cu. Ft.	
Jane Lew, WV 26378	9 5/8"	30'	1		
	7"	934'	934'	to surface	
Agent: John Haskins	4 1/2"	-	4513'	300 sks	
Inspector: C. Duckworth Date Permit Issued: 03/02/04			<b>-</b>		
Date Well Work Commenced: 04/19/04	-		1		
Date Well Work Completed: 04/25/04			<del> </del>		
Verbal Plugging:			1	· · · · · · · · · · · · · · · · · · ·	
Date Permission Granted on:					
Rotary X Cable Rig					
Total Depth (ft): 4,586'					
Fresh Water Depth (ft): 966					
Salt Water Depth (ft):			<u> </u>		
Is coal being mined in the area (Y/N)?	N				
Coal Depths (ft): 380-384', 451-454', 69					
OPEN FLOW DATA					
Producing formations Bens	on	Pay zone dep	th (ft)	4382'	
Bradfe		•		3572'	
Speec				2903'	
Baya			***************************************	2497'	
Fourth 9	Sano			2351'	
***************************************			<del></del>		
Gas: Initial open flow show	Mcf/d. Oil: Init	ial open flow	N/A Bb	Vd	
Final open flow 225	Mcf/d. Fin	al open flow	N/A Bb	Vd 🔼	7/04/0045
Time to open flow between initial a	and final tests:	4	Hours	Den Ro-U	7/31/2015
Static rock Pressure 875	psig (surface i	press.) after	36Hò	of A	ived ~
NOTE: On back of this form put the following:	1) Details of	perforated inte	rvals, fracturi	ng/(by/ = 1/2)	180 7
Final open flow 225 Time to open flow between initial a Static rock Pressure 875  NOTE: On back of this form put the following: stimulating, physical change, etc. 2) The well record of all formations, including coal encountered and the state of the sta	log which is a	ı systematic di velibore	etailed geolog	lical 08 50	is cas in
	uy uid v				W
Signed:					1.

HYDRAULIC FRACTURING DETAILS

	HIDIAULIO ITAGIO.	PERFORATIONS	SAND
STAGE	FORMATION		
		# of shots	20/40
1st Stage	Benson	12	30,000
	Bradford	12	25,000
2nd Stage	Speechley/Upper Speechley	11	25,000
3rd Stage		12	15,000
4th Stage	Bayard		25,000
5th Stage	Fourth Sand	12	20,000
6th Stage			

DRIL	LERS LOG	
FORMATION	FROM	ТО
Clay	Surface	5
Shale	5	15
White Sand	15	20
Sand & Shale	20	30
Red Rock	30	40
Sand & Shale	40	70
Red Rock	70	85
Shale	85	115
Red Rock	115	120
Shale & Red Rock	120	350
Sand & Shale	350	380
Coal	380	384
Sand & Shale	384	451
Coal	451	454
Sand & Shale	454	600
Red Rock	600	625
Sand & Shale	625	695
Coal	695	700
Sand & Shale	700 /	1,248
Red Rock	1,248	1,283
Sand & Shale	1,283	1,565
Little Lime	1,565	1,611
Big Lime	1,611	1,715
Sand & Shale	1,715	2,429
5th Sand	2,429	2,510
Bayard	2,510	3,260
Balltown	3,260	3,604
Bradford	3,604	3,630
Sand & Shale	3,630	TD

FI FCTRIC LOG

ELECTRIC	LOG
FORMATION	DEPTH
Big Lime	1,580
Big Injun	1,750
Gantz	1,880
Fourth Sand	2,306
Fifth Sand	2,412
Bayard	2,494
Speechley	2,890
Bradford	3,570
Benson	4,380

		ROYALTY				
WELL NAME	OWNER NAME	INTEREST	ADDRESS LINE1	CITY	STATE	ZIP
EVANS 1	R. T. EVANS	0.125000000	118 HICKORY FLAT RD	BUCKHANNON	V	262010000



## 47-097-03147 Plugging Procedure

Cement	4440	-	4260	=	180.	ın	4.5	
Cement	3670	-	3400	=	270'	in	4.5"	
Cement	2965	-	2800	=	165'	in	4.5"	
Cement	2700	-	2200	=	500'	in	4.5"	
Cement	1410	-	1150	=	260'	in	6.5"	Open Hole
Cement	1000	-	830	=	170'	in	7"	
Cement	250	-	0	=	250'	in	7"	

Received
Office of Oil & Gas
JUL 0.8 2015
07/31/2015

WW-4A Revised 6-07

	7/1/14	
1)	1) Date:// // \	
2)	2) Operator's Well Number	
Evan	vans 1 D0404	

3) API Well No.: 47 -

03147

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

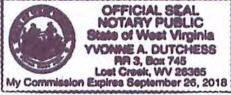
	ace Owr	ner(s) to be served: Gary Wayne Evans		5) (a) Coal Operator Name	
Addr		1313 Hickory Flat	/	Address	
		Buckhannon, WV 26201	•		
(b) N	ame			(b) Coal Ow	ner(s) with Declaration
Addr	ess			Name	Penn Virginia Operating Co. LLC
				Address	Five Radnor Corporate Center
					100 Matsonford Rd., Suite 500
(c) N	ame			Name	Radnor, PA 19087
Addr	ress			Address	
6) Inspec	ctor	Bryan Harris		(c) Coal Less	see with Declaration
Addre	ess	PO Box 157		Name	
		Volga, WV 26238		Address	
Telep	hone	304-553-6087			

## TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator By:

Its: Address

Telephone

Regulatory Compliance Technician

PO Box 1008

Jane Lew, WV 26378

304-884-6000

Subscribed and sworn before me this Notary Public My Complission Expires

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyoffier@wv.gov.

07/31/2015

Received Office of Oil & Gas JUL 08 2015

9703147P CK 7735049

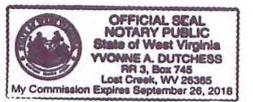
WW-9 (2/15)

API Number 47 - 097 - 03147 Operator's Well No. Evans 1 D0404

## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

## FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

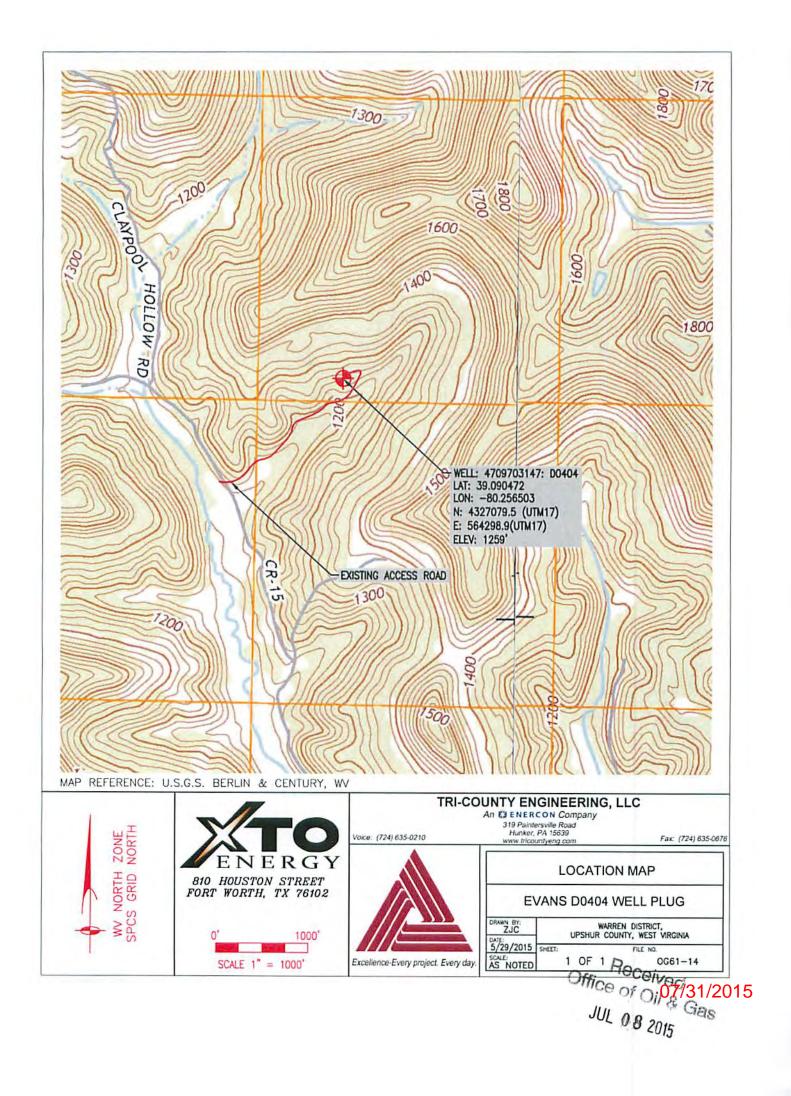
Operator Name_XTO Energy Inc.	OP Code 494487940
Watershed (HUC 10) Hackers Creek	Quadrangle Berlin
Do you anticipate using more than 5,000 bbls of water to co	
If so, please describe anticipated pit waste:	
Will a synthetic liner be used in the pit? Yes	
Proposed Disposal Method For Treated Pit Waste	s:
Land Application	ermit Number 4707302523, 4708505151, 4708509721
Reuse (at API Number	)
Off Site Disposal (Supply form	WW-9 for disposal location) andfill SWF#1032, RES Water Recycling -WMGR123SW005 (PA)
Will closed loop system be used? If so, describe: NA	
Drilling medium anticipated for this well (vertical and hori	zontal)? Air, freshwater, oil based, etc. NA - Plugging
-If oil based, what type? Synthetic, petroleum, etc	c. NA
Additives to be used in drilling medium? NA	
Drill cuttings disposal method? Leave in pit, landfill, remo	oved offsite, etc. Any solid waste from plugging will be taken to landfill.
-If left in pit and plan to solidify what medium wi	
-Landfill or offsite name/permit number? Meadow	vbrook Landfill SWF#1032
	and Gas of any load of drill cuttings or associated waste rejected at any ided within 24 hours of rejection and the permittee shall also disclose
on August 1, 2005, by the Office of Oil and Gas of the West provisions of the permit are enforceable by law. Violatio law or regulation can lead to enforcement action. I certify under penalty of law that I have perso application form and all attachments thereto and that, lobtaining the information, I believe that the information penalties for submitting false information, including the po	and conditions of the GENERAL WATER POLLUTION PERMIT issest Virginia Department of Environmental Protection. I understand that us of any term or condition of the general permit and/or other applicantly examined and am familiar with the information submitted on the based on my inquiry of those individuals immediately responsible is true, accurate, and complete. I am aware that there are significated significantly of fine or imprisonment.
Company Official Signature Ti Lach	
Company Official (Typed Name) Tim Sands	
Company Official Title Regulatory Compliance Technician	
Subscribed and sworn before me this 18th day of	of June . 20 15 Notary Public
My commission expires Sevienbe	2 le 2018
75-97-50	Received 7/31/



Office of Oil & Gas JUL 0.8 2015

Proposed Revegetation Treatment: Acres Disturbed 0.8 Prevegetation pH	Proposed Revegetation Treatment: Acres Disturbed 0.8 Prevegetation pH  Lime Tons/acre or to correct to pH  Fertilizer type Commercial Fertilizer 10-20-2		Operator's Well N	No. Evans 1
Lime Tons/acre or to correct to pH  Fertilizer type Commercial Fertilizer 10-20-2	Lime Tons/acre or to correct to pH  Fertilizer type Commercial Fertilizer 10-20-20  Fertilizer amount 1000	XTO Energy Inc.		
Fertilizer type Commercial Fertilizer 10-20-20  Fertilizer amount 1000   Ibs/acre    Mulch 3   Tons/acre    Seed Mixtures    Temporary   Permanent    Seed Type   Ibs/acre   Seed Type   Ibs/acre    Annual Ryegrass   40   Kentucky Bluegrass   20    Redtop   3    Birdsfoot Trefoil   10    Attach:  Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info Iprovided)  Photocopied section of involved 7.5' topographic sheet.	Fertilizer type Commercial Fertilizer 10-20-202  Fertilizer amount 1000   Ibs/acre    Mulch 3   Tons/acre    Seed Mixtures    Temporary   Permanent    Seed Type   Ibs/acre   Seed Type   Ibs/acre    Annual Ryegrass   40   Kentucky Bluegrass   20    Redtop   3    Birdsfoot Trefoil   10    Attach:  Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info provided)  Photocopied section of involved 7.5' topographic sheet.	Proposed Revegetation Treatment: Acres Disturbed 0.8	Prevegetation pH	
Fertilizer amount 1000	Fertilizer amount 1000	Lime Tons/acre or to correct	to pH	
Seed Mixtures  Temporary  Seed Type  Annual Ryegrass  40  Kentucky Bluegrass  Redtop  Birdsfoot Trefoil  Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this infoliprovided)  Photocopied section of involved 7.5' topographic sheet.	Seed Mixtures  Temporary  Seed Type  Annual Ryegrass  40  Redtop  Birdsfoot Trefoil  Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this inforprovided)  Photocopied section of involved 7.5' topographic sheet.	Fertilizer type Commercial Fertilizer 10-20-	20	
Temporary  Seed Type  Annual Ryegrass  40  Redtop  Birdsfoot Trefoil  Attach:  Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info I provided)  Photocopied section of involved 7.5' topographic sheet.	Temporary  Seed Type  Annual Ryegrass  40  Redtop  Birdsfoot Trefoil  Attach:  Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this inforprovided)  Photocopied section of involved 7.5' topographic sheet.	Fertilizer amount 1000	lbs/acre	
Seed Type   lbs/acre   Seed Type   lbs/acre   Annual Ryegrass   40   Kentucky Bluegrass   20   Redtop   3   Birdsfoot Trefoil   10    Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info I provided)  Photocopied section of involved 7.5' topographic sheet.	Seed Type   lbs/acre   Seed Type   lbs/acre   Annual Ryegrass   40   Kentucky Bluegrass   20   Redtop   3   Birdsfoot Trefoil   10    Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info provided)  Photocopied section of involved 7.5' topographic sheet.	Mulch 3	Tons/acre	
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Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info by provided)  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  **Bupa O 'Uau.'*	Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info provided)  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  **Bupa O ' Ham'*	J		
Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info laprovided)  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  **Dupa O ** Upan description**  **Dupa O ** Upan description**  Plan Approved by:  **Dupa O ** Upan description**  **Dupa O ** Upan des	Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this inforprovided)  Photocopied section of involved 7.5' topographic sheet.  Plan Approved by:  **Differential 10**  **Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this inforprovided)  Photocopied section of involved 7.5' topographic sheet.		Redtop	3
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		Plan Approved by: Buya O'Han		

Received
Office of Oil & Gas
JUL 0.8 2007/31/2015



07/31/2015

WW-7 8-30-06



# West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

# API: 47-097-03147 \_\_\_\_\_ WELL NO.: D0404 <sub>FARM NAME:</sub> Evans RESPONSIBLE PARTY NAME: XTO Energy, Inc. \_\_\_\_\_bistrict: Warren COUNTY: Upshur QUADRANGLE: Berlin SURFACE OWNER: Gary Wayne Evans ROYALTY OWNER: See attached list UTM GPS NORTHING: 4327079.5 GPS ELEVATION: 384 meters (1260') UTM GPS EASTING: 564298.9 The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements: Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: 1. height above mean sea level (MSL) - meters. Accuracy to Datum - 3.05 meters Data Collection Method: Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_ Real-Time Differential \_\_\_\_\_ Mapping Grade GPS X: Post Processed Differential X Real-Time Differential Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas. Project Manager June 18, 2015 Title Date Signature Office of Oil & Gas



#### PROJECT DESCRIPTIONS

TR-COUNTY ENGINEERING, LLC (TCE), OH BOHAF OF KID EMPOY, INC., PREYMED THIS SEDIMENT CONTROL FLAM FOR THE EVANS DOIGN WILL PLUG PROJECT. THE PROJECT IS LOCATED REPROCHMENTLY BED MILES SOUTHWAST OF MAILTIN IN THE MARKEN DISTRICT OF LIPSHUR COUNTY, WEST VIDENIA

THE PROFESSED EVANS LONGY WILL PLUS PROSECT INVOLVES THE PLUSOING AND ADMINISTRATION OF THE EVANS DAVID SOCIAL THE WILLIAMS CLOSES, AND PRODUCTIONS COMPANY THE RE-REMAINTS. ONCE CHEMP THESE APPLICATIONS THE WILLIAMS CONTINUED AND A WILLIAMS CONTI SOLWE THE 12.34 ACRES

#### STANDARD EROSON AND SEDIMENTATION CONTROL MEASURES AND NOTES.

THE CONTRACTOR SHALL LIST WEST WESTER CROSSEN AND SERWENT CONTROL FELD MANUAL

HEST MANAGEMENT PRICIOSS HEL BE USED DIAMIC CONSTRUCTION TO HELF MANAGE SEDIMENTATION TO MIN STREAMS MICHOS HIS TO HELF MAD, DRY, MICHOSHOS OF THE PURICE REACH THAT COLLEGE METOMOTED FROM THE EXAMINENT USED FOR CONSTRUCTION OF THE PRESENT

PROSON WE SEDMENTATION CONTROL MEASURES TO BY USED TOP THIS PROJECT ME POMPOST FREE SCIOCS, STABLESS CONSTRUCTION ENTRANCE, AND TIMES MICE PROJECT FOR STREAM AND METUAD CROSSINGS (WITH MPSICABLE).

IF PROJECT LIMITS CHANGE FOR MEDIS OF CONSTRUCTION, AND ADJUSTANA, INSTANCIOUS AMOUNT INTLANCS ARE TO BE CROSSED ON INFACTED, If IS, THE COMPLETOR'S RESPONSIBILITY TO ACCURE THE MEDISORY PERMITS THEN IS MINICIPAL THOSE PERSONS

If Other accesses are needed or retter routes are delevante, organisative provide prior to intring how for the new routes, provide record warders on the con-site sep drawnes to indicate the location of the access roads and the confront wearings such as STABILIZED CONSTRUCTION ENTRANCES. TO BE USED

#### VEGETATIVE PRACTICES - TEMPORARY AND PERSANENT

PERMANENT VEGETATINE STABLIZATION
DETURNED AREAS WILL RECEASE TORSIOL AND PERMANENT VEGETATIVE STABLIZATION, DEFINED AS A LIMITORN FOR PERENNAL VEGETATIVE COVER. THE NUM. THE REPORT OF THE PRINT HE GREAT THE GREAT THESE AREAS WELL BE PERMANNEY STABILIZED IN ACCORDANCE WITH THE SECOND SPECIFICATION OF THE PRINT HE SECOND SPECIFIC

THE PLANS AND SPECTICATIONS FOR INSTALLING TOPSIOL BIFALL BY WELFRING WITH THE STANDARD AND SHALL DESCRIBE THE REQUIREMENTS FOR APPLYING THE PRACTICE TO ACHIEVE ITS ATTRICED PURPOSE. All A MINIMUM INCLUDE, THE FOLLOWING ITEMS.

- TOPSOL SOURCE, STOCKPLE LEDGEN AND WETHOO OF STABLICATION PARK TO USE,
- TOPSOL/SUBSOL BONOING PROCESURES.
  SIT PREPARATION PLANS AND ACTIONS OF APPLICATION, DISTRIBUTION AND COMPACTION.

HT INDPARATION - BEFORE SPEACING TOPOL AGUARS THAT ALL NELESTIARY SERVING CONTROL PRACTICES, SUCH AS DATESIONS AND SERVING NUMBERS.
AND IN PLACE AND CONTROLOGY PROPERTY THEIR PRACTICES WAS BE MANUFARD USING THE BIT IS PERMANENTLY STABLISTED.

CHANGE MAKEUM DRACES ON THE AREAS TO BE TOPICIES ACCORDING TO THE APPROVED PLAN AND DO NOT ALTER THEM BY ACCORD TOPICS.

LANG OF SUSTICE—MEST THE FM IN THE EXITING NUMBER IS AS ON LITTLE, HE THE TOW, OF COMPOSED OF HEAR THAT, RECORDING EXPOLATIONS, LIMITING IN MODIFY SETTIMENTAL BY SOME THAT OF AS LITTLE OF THE LAST.

A MODIFY SETTIMENT OF THE LAST.

ROUGHNING - MARDATELY PRICE TO SPECIMO THE TOPICAL LODGES THE SERVING BY DISCRIC OR SCARFFING TO A RIPPIN OF AT LIGHT 4 MONES, TO DESIGN BROWNED OF THE TOPICAL MEDICAL PROPERTY OF MEDICAL PROPERTY OF THE SOURCE O

SPECIALS TOTSOLE INFORMAT DESTREUT TOPSOL TO A WHIMIN COMPACTED BUTTLE OF A INCHES ON ITS SLOPES AND A NORSE ON FLATTER BLODGE.

IDPSOL SHALL NOT BE SPECIAL ONE OFFICE OFFICE AS SPECIAL DOWNER OF SUBSILIES OF FROM THE SPECIAL PROBLEMENTS IN THE SPECIAL PROBLEMENT OF SPECIAL PROBLEMENTS IN THE SPECIAL PROBLEMENT OF SPECIAL PROBLEMENT OF SPECIAL PROBLEMENT OF THE PROBLEMENT OF SPECIAL PROBLEMENT OF THE PROBLEMENT OF SPECIAL PROBLEMENT AND DECESSAND OF PROBLEMENT AND DECESSAND OF PROBLEMENT AND DECESSAND OF PROBLEMENT OF THE PROBLEMENT OF SPECIAL PROBLEMENT OF SPECIAL

COMER ON THE AREAS THAT WILL ADEQUATELY PROVENT RILLOW

SECRED PROPAGATON TO CONTROL DECISION ON SINCE SOL SURFACES, FLANTS MUST BE ARE TO GERMANIT WAS GROW SECRED PROPAGATOR SECREDARY BY THE AREA HAS BEEN RECENTAL COSTAND OR RESIDENCE, NO FLANTANCE SECREDARIOS WHEN THE AREA COMPACTED, CRESTILD, ORGANIZATION OF THE AREA COMPACTED CONDUCTIONS CONTROL SECREDARY SECREDARY

SCIENCE SLID SHALL BE PUREY APPED WITH A BROACKET SLIBER, DIAL, CILIPACKET SLIDER BY HOROSLIDER SMALL DRAWS SHALL BE PLANTED NO WHEN TWAN 13 MONES BUTY. SHALL SLIDER, SLOVE AND AN ARTHUR MOUNTED HAVE A QUARTER WITH CEPT OFFIRE PROFESS FOR CHARLES SHALL BE FLANTED NO WESTED WHAT A HAVE AND CHEEP MAD A MAD THE PROFESS FOR THE STAND OF THE PLANTED WHAT THE PARK A STAND SHALL BE FLANTED WHAT THE PARK A STAND SHALL SEE MAD THE PROFESS FOR MED SHARE OF MAD HAVE SHAPED WORTH, SHALL BE MAD THE STAND SHAPE WHAT A CHARLES OF THE STANDARD PROFESS FOR MAD SHAPE WHAT A CHARLES OF THE STANDARD PROFESS FOR MAD SHAPE WHAT A CHARLES OF THE STANDARD PROFESS FOR THE STANDARD PROFESS FOR MAD SHAPED WHAT A CHARLES TO BE STANDARD PROFESS FOR MAD SHAPED WHAT A CHARLES TO BE STANDARD PROFESS FOR THE STANDARD PROFESS FOR MAD SHAPED WHAT A PROFESS FOR THE STANDARD PROFESS FOR THE STAN

#### MISSE SECUMENT CONTROL PLAN ELEMENTS.

DETAIL ALL PERMITS AND APPROVACE PRIOR TO CONSTRUCTION.

If CONSTRUCTION LIMITS WELD TO BE EXPANSED BEYOND THE LIMITS OF DISTURBANCE AREA SHOWN ON THE PLANS, A PRE-CONSTRUCTION ENVIRONMENTAL CALLARIZED BY BE EXPANSED CONFIDENCE OF CONFIDENCE AND ADDRESS OF THE CONFIDENCE OF THE CONFID

WITH THE STANLARD CONCRECTOR ENTRANCES AT THE ACCESS MIND STANLARD CONCRECTOR ENGAGES, MAY BE NOTICE AT THE ACCESS MIND PENCING ITS USE AT THE TIME OF THIS PROJECT'S CONSTRUCTION.

WAY ALL DEFARMS IMPS AND SENSONS AREAS SLIDI AS STREAMS WITLANDS. FTO

NSTALL DRANCE CONSTRUCTION FENCE NEAR STREAMS, METLANDS AND STRUCTURES WITHIN THE LIMITS OF DISTURBANCE TO PROMOE A PHYSICAL MARKER TO DISTURBANCE BY CONSTRUCTION ACTIVITIES.

ACC CRAFF, TO ACCESS ROAD AS METERS RUP NO CRACKING DV ANNALTS TO EXISTING CHARACT VENTURES ARE TO BE METERED.

ON A DALY BASIL CLEAR THE ROADS THEROUGHLY BY REMOVING DIACKED SIDMENT BY SHOWLING OR SMITTING. STREET WASHING TO A WITERSDARS ON STOWN DRAW SYSTEM IS NOT ALLOWED.

INSTALL COMPAST FETER SCCK WERE SHOWN. PARALLO, TO THE SLUPE AND ON THE DOWN-GRADIENT SEE OF THE LIMITS OF DISTURBANCE TO PREVENT SEDMENDATION FROM LEAVING THE PROJECT AREA.

CLEAR AND DRUG ALONG THE ROW. PRESERVE NATURAL VEGETATION AS MUCH AS POSSELL, WITHOUT SCAFFICANT INTERFERENCE MITH CONSTRUCTION

USE TWEEK MAT BROKES TO CROSS MATERBOOKS AND WET AREAS, AS NETDED

IN -ESTABLISH THE GRADE TO THE PRE-CONSTRUCTION CONDITIONS

IN STANDARD SOLS WITH 7 DAYS BY PLACING TEMPORARY SEEDING # NOT FINAL GRAND, AND PERMANENT SEEDING WITH A MURSE CHOP #

MELON AND PENTEDS AS STATED IN THIS PLAN

PART POLICE RESON CONTROL PRODUCTS (RESP). WITH MAD BLANKING ON TOP OF MIDDER MERK, ON STEP SLOPES MAKE SECOND MAY BE DEFINANCED BY REMORT THOUSAND, SLOPES SPEARS FROM SHIP WITH TO HAVE AN ADDRESS CONTROL MAY DE REMAIT PLACE DATE OF STEEDED MEAN SECOND PART HERE ON THE STEPS SACROSTANT TO MAY MAY AN EXTRUME MANDERS (WHITE TO STOT) WITE THE MEAN FUNC OF REMORD.

MANUAL ALL REST MANAGEMENT PRACTICES (RAPS) AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INCIDENT PLANTION

AL DIMES SHALL HE RESECTED IT LEAST COLD EVERY STATE CALLBOAR DIES AND WHEN 24 HOURS WITH ANY STORM DIEST GREATER THAN DIS MOVES. HER IN HOLD FERGE. ANY REQUIRED REPAIRS OR MANTENACE SHOULD HE WAS IMMEDIATED. THE RELIERS THE REMOVE OF SESSION THAT IS DIME. HIGH THE HEIGHT OF THE COMPOST FATTR SOCK IS DAY PER WITH ON AS STORM CARN'S STULISESS.

MAYORATE BETS SPOALS SE FRIGHTS WITHIN AD SHIS AFTER THIN, SITE STABILLIOUS IS ACTIVED BY WITHIN THE THE THEFT ARE NO LONGED WITHIN THE THINK OF THE SECOND OF STABILLIOUS AS THE OUTCOMES SHIS WITHIN FROM FRICING, OF THE SECOND WITHIN SHIP AT THE STABILLIOUS FROM THE ALL STATISTICS ACTIVES THE COUNTRIL OF THE SECOND WITHIN THE SECOND W COMP SLOW AS PAREMENT OF ELECTIONS (WHEN APPLICABLE)

NO MINI PERMINENT CUT OF FILL SLOPES ARE TO REMAN ON-SEE GRADING SHOULD HE DOME SUCH THAT POST-CONSTRUCTION CONTOURS SHOULD ELODELY MATCH APPROXIMATE ORGANIZATION AFTER CONTOURS AFTER CONSTRUCTION IS COMPLETE. N.L. MEAS IN THE LOST HAT MERE VESTATED IN THE ELOSTING CONTOUR HE TO BE VESTATED THE ELOSTING CONTOUR HE TO BE VESTATED THE ELOSTING CONTOUR HE ARE VESTATED TO BE VESTATED.

THIS SCIMENT CONTROL PLAN (SCP) IS TO REMAN ON-SITE AT ALL THAS DURING CONSTRUCTION. THE SCP SHALL BE MODIFIED WHENEVER THERE IS SIGNIFICANT CHANGE IN THE DESIGN CONSTRUCTION, OPERATION OR MAINTAINING OF ANY BMP.

CLEARING AND GRUBBING ACTIVITES STOLLD TWE MID CONSCRIPTION MININGING BLYON, OF THEIS AND DISTURBANCE AND COMPINED OF NOTHER SOME ANY MEAS THAT REQUIRE PRESENTATION OF CRETICAL OF SENSITIM AREAS MO/OR PEQUIRE EXPETTED SWALL BE DELINEATED IN BOTH THE PLANS MO BY

THE WALL IS PROTEIN, MANAGE NO REPART AS NEEDE TO ASSAUL CONTINUED PROTEINANCE OF THE INTENDINGS. IT CONTINUES SECTIONS TO THE PROTEIN OF THE PROTEIN OF THE PROTEINS AS NEEDED AS THE CONTINUES OF THE WAY TO THE PROTEIN OF THE PROTEINS OF Oil.

SPEEK BY DISCHARGE OF PRELIMANTS ARE TO BE REPORTED WHITE THE WASHINGTON THE APPROXIMATE ACTIVITY.

#### WASTE WATERWAYS AND DISPOSA-

AL PALLETANT, NOLION, WATE WITHING SHOULD BE INVOLID HIS DEPOSIT OF HIS A MARKET HIS DOES NOT CAUSE CONCENTED IN SPECIAL DRIVER AND SHOULD HE LINGUISMO.

THE RELEASE OF THE PROPERTY AND ADDRESS OF ALL DESCRIPTION OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE

MANTEWARE MO NEMBER HEAVE ELECTRONIC ME VERGLES MARKING DE CHANGES, HORMER STOTEV DIANS COME SELECTI MO LE TRANSACIO.

LEAMNE DEPRETARE, FILE, DANS DERAS DONA AND PRICALE, AND OTHER ACTIVATES, WHICH HE RELLE IN DECEMBER DE PRACE DE TRANSACIO.

SOUNDE DE A ROLL PER ESSARET MESTER FRANCET MAST DE CONCUETTE LEANS DEL HERMENDE MARKERS, SLEIN AS SON PAUE. CONTRAÎNTO SEAS SOUL DE CAMBINO SEASON DE CONTRAÎNT DE CAMBINO SEASON DE CAMBINO SEASON DE CONTRAÎNT DE CAMBINO SEASON DE CAMBINO SEASON DE CONTRAÎNT DE CAMBINO SEASON DE CAMBINO SEASON

#### CENTRAL NOTES RECARDING RECEMBATION

THE CONTINUE CONTRACTOR SHALL NOTIFY ALL LITERTY COMPANIES INVOLVED IN THE SITE NO MORE THAN THE DAYS AND NO LESS THAN THREE DAYS IN ANNALE OF EXCHANGE OF EXPLICIT OF MEET WISHING AS THE THOSE THAT IN THE PROPRIATE OF STATE HARBONS. CONFACT MEST LITERT OF MEET WISHING AS THE THOSE THAT IN THE PROPRIATE OF STATE HARBONS.

THAT IC SHALL HE MANIANCE IN ALL ALLOHING STREETS AND DRIVES AT ALL TIMES IN ACCORDANCE WITH MY DOT'S REQUIREMENTS

DISTURBED AREAS CREATED DUE TO WELL PLUG REMOVAL, SHALL BE RECLAMED, MAJORED AND SECRED, TO REDUCE EXCISION AND SEDMENTATION

WY NUMBERS: AN ECNTIFICATION NUMBERS SHALL BE DISPLAYED AT THE WILL, IN ACCORDANCE WITH STATE REQUIREMENTS

LANDOWNERS SHALL BE DATA ADEQUATE NOTICE THAT CERTAIN SPECIFED ACTIVITIES WILL BE DESURERAL ON THEIR PROPERTY

PERMINENT STABILIZATION. T PURE THE SEED APPLICATION NATE

KENTUCKY BLUEGRASS / REDTOP / BIRUSFOOT DIETOL 20 LBS/ACRE, 3 LBS/ACRE, AND 10 LBS/ACRE, RESPECTIVELY COMMERCIA, FERTILIZER 10-20-20

THE PAIN STREET COMMERCIAL - 1000 LBS/ACRE 3 TONS/ACRE NAY & STRAW 3 TONS/ACRE WILDHIG RATE

REPORTS CHARGE FREE WOOD FREE WITHE ANCHOR MATERIAL INCHORAL DEFINAL MATE OF ANCHOR

310 (85/1000 SQ TO YEAR ROUND WITHA WYLCHON STITING STASSE DATES

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HANDE EVERNES D USS/ACRE CHAME POWN FERTH CITE 10-10-10

COMMERCIA - 1060 LBS/ACRE 1 TONS/ACRE HWY & STRAW 3 TONS/ACRE

ESTIMATED QUANTITIES					
	LINITS	ESTIM. QUANTITY	BID QUANTITY	PRICE	COST
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	SF	356			
STONE CONSTRUCTION ENTRANCE					
Control of the Contro	U	251			
LT COMPOST FILTER SOCK PERMANENT SEEDING	57	251 3566			







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	E	VANS DO404 WEL	L PLUG
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or-Every project. Every day	\$/29/2015 == AS NOTED	2 07 3	0061-14

TRI-COUNTY ENGINEERING, LLC

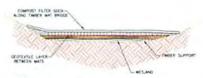
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# BAILEY OR TIMBER MAT BRIDGE FOR STREAM CROSSING

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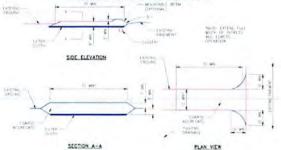
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#### BAILEY OR TIMBER MAT BRIDGE FOR WETLAND CROSSING



NOTE TO SHARE THE BEST SIDE AND PLACE IS THE CONCINENCE AND A SHARE SHAR

## STABILIZED CONSTRUCTION ENTRANCE



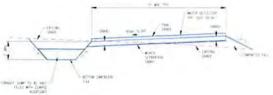
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## GRAVEL ROAD RESTORATION

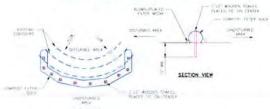


## ACCESS ROAD/LOW VOLUME DRIVEWAY



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## COMPOST FILTER SOCK (SEDIMENT BARRIER)



#### PLAN VIEW

MANAGES.

CONTROL HIGH SECTION, IN PLACE AT (ASTRELLING CREEK METHOD) OF THE MANAGEMENT IN CHILDREN AT (ANY STREET CREEK) AS TO STOCK TO THE WAY SECTION ACCORDING TO THE PROPERTY OF THE PROP

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WINE INTON DATE	# MONTHS	1 1000-0

I DESCRIPTION OF THE PROPERTY STANDARDS

The state of the s	
DECEMBER MATTER CONTINUE	MCS-1005 (007 M(KRC BASIC)
DRIVANC PORTYCAL	THROUGH AND LUNGATED
pr.	55-50
MOTTURE CONTENT	355-356
PARTICLE SIZE	MET PASS THROUGH IT SERVEN
SPEAKER SALT TONCENTHATION	S.D. dr. WAXMAN

REVISIONS DESCRIPTION DATE



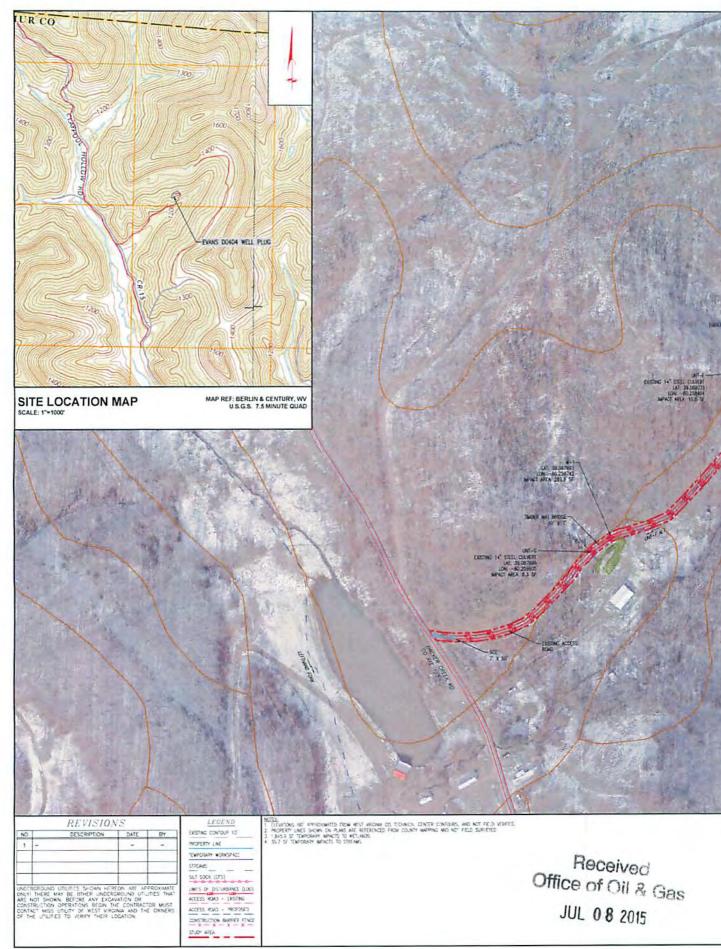


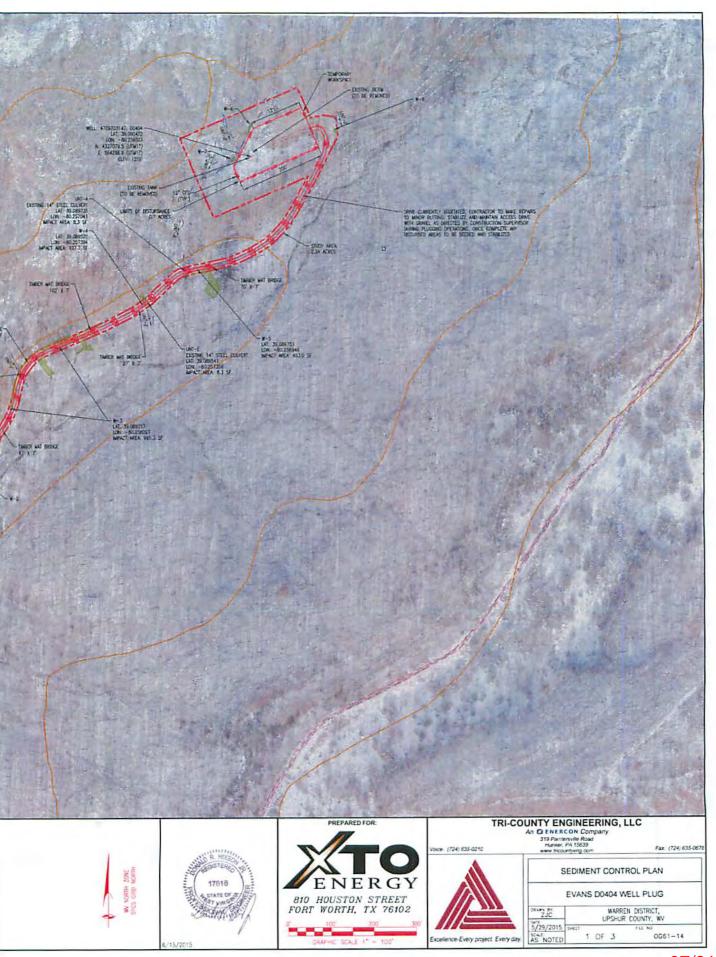
TRI-COUNTY ENGINEERING, LLC

An DENERCON Company
319 Paidenville Rise
Hunter PA 19639 were incountyeing one SEDIMENT CONTROL PLAN DETAILS EVANS DO404 WELL PLUG WARREN DISTRICT, UPSHUR COUNTY, WV 5/29/2015 3 OF 3 scalance-Every project Every day AS NOTED

Fax (734) 835-081

0061-14





## PROJECT DESCRIPTION:

tri-county duractions, LLC (TCC), on behalf of 170 energy, AC., prepared this sediment control plan for the evaks doadn well pluc Project. The project is located approximately bo wees southeast of lamelly as the wappen district of upsaar county, west virgina.

THE PROPOSED EVANS DOMAN WELL PLUS PROJECT INVOLVES THE PLUCONS AND ABANDOMENT OF THE EVANS DOMAN SHALLOW GAS WELL. THE WELLHEAD, CASING, AND PRODUCTION EQUIPMENT WILL BE REMOVED. DINCE CEVERT PLUSS ARE PLACED WITHS THE BREMOLE, THE WELL IP AN AREA WILL BE RECLANDED AND GRADED TO BE CONSISTENT WITH THE CHEMPAL OF THE LIBERTANE SURROUNDING LAND. THE STE WILL BE SELDED, AS RECURRED, WITH A MOI APPROVED BY WEST VARIONA DEPARTMENT OF DEPARCHMENTAL PROTECTION (WINDER). THE PROJECT CONSISTS OF AN ACCESS ROLD APPROXIMATELY 7 FETT wor and 2,177 feet long, and a workspace approximately 17.563 square feet (0.40 acres). The study area for the project was 102,043 SOURCE FEET (2.34 ACRES).

#### STANDARD EROSION AND SEDIMENTATION CONTROL MEASURES AND NOTES:

THE CONTRACTOR SHALL USE WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL

sest wandenert practices will be used during construction to help wanter sedimentation to any streams amo/or betlands and to keep wild, dat, and debris off the public raids that cold be deposited from the edupment used for construction of the project.

EROSON AND SEDMENTATION CONTROL MEASURES TO BE USED FOR THIS PROJECT ARE COMPOST FRITER SOCKS, STABLIZED CONSTRUCTION ENTRANCE, AND THISER MAT BROGES FOR STREAM AND WETLAND CROSSINGS (WHEN APPLICABLE)

# PROJECT LIMITS CHANCE FOR MELDS OF CONSTRUCTION, AND ADDITIONAL MATERISADES AND/OR WETLANDS ARE TO BE CROSSED OR IMPACTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE THE NECESSARY PERMITS PRIOR TO IMPACTING THOSE FEATURES.

IF OTHER ACCESSES ARE MEDDED OR BETTER ROUTES ARE DETERMINED, OBTAIN THE NECESSARY PERMITS PROR TO NOTATION WORK FOR THE NEW ROUTES.
PROVIDE RECORD MARKEPS ON THE ON-SITE SCP DRAWNASS TO INCLUDE THE LOCATION OF THE ACCESS ROADS AND THE CONTROL MEASURES, SUCH AS STABILIZED CONSTRUCTION DITEMBERS, TO BE USED.

### VEDETATIVE PRACTICES - TEMPORARY AND PERMANENT

Permanent vegetating stabilization disturbed areas well receive 109501 and permanent vegetating stabilization, defined as a uniform tota permanal vegetating cover. Tell soci to a depth of 2" remove all objects 2" or larger. These areas well be permanently stabilited in accordance with the seeding specifications of this plan.

TEMPORARY VEGETAINE PRACTICES (INTERM STABULATION):
SLOPE AREAS, SOL STOCKPLES, ON EMBANKWENTS THAT WILL SIT DLL DUE TO UNFORESEEN CROUNSTANCES DURING OPERATIONS OR THAT WILL REMAIN IN
PLACE FOR MORE THAN TWO WEEKS SHALL RECEIVE TEMPORARY SEEDING. THESE AREAS WILL SE TEMPORARLY STABULZED IN ACCORDANCE WITH THE SEEDING.

THE PLANS AND SPICENCATIONS FOR INSTALLING TOPSOL, SHALL BE IN KEEPING WITH THIS STANDARD AND SHALL DESCRIBE THE REQUIREMENTS FOR APPLYING THE PRACTICE TO ACKENE ITS INTEROED PURPOSE. AT A MARKADA INCLUDE THE FOLLOWING ITEMS:

- TOPSOL SOURCE,
  STOCKULE LOCATION AND METHOD OF STABLIZATION PRIOR TO USE,
  TOPSOL/SISSOL BONDERS PROCEDURES,
  STE PREPARATION PLANS AND METHODS OF APPLICATION, DISTRIBUTION AND COMPACTION.

STE PREPARATION- BEFORE SPREADING TOPSOE ASSURE THAT ALL NECESSARY SECREDIFIC CONTROL PRACTICES, SUCH AS CAMPISONS AND SEDIMENT BARRERS ARE IN PLACE AND FLACTIONING PROPERLY. THESE PRACTICES MUST BE MANTAINED LIMIT, THE SITE IS PERMANENTLY STABLIZED.

GRADING- WARRAN GRADES ON THE AREAS TO BE TOPSOLED ACCORDING TO THE APPROVED PLAN AND DO NOT ALTER THEM BY ACCORD TOPSOL

LINES OF SUBSOLL - INVERE THE PH OF THE EXISTING SUBSOLL IS 60 OR LESS, OR THE SOL IS COMPOSED OF HEAVY CLAYS, INCORPORATE AGRICULTURAL LINESTON. A MACINITY RECOMMENDED BY SOLL TESTS OR SPECIFIED FOR THE SEEDING MOTURE TO BE USED. INCORPORATE LINE TO A DEPTH OF ALL LAST 2 INCHES BY DISKING.

ROUGHERING—BRIEDWITLY PROR TO SPREADING THE TOPSOL, LOOSEN THE SLEGRADE BY DISCING OR SCARFFING TO A DEPTH OF AT LEAST 4 PICHES, TO ENGINE BROOMS OF THE TOPSOL AND SUBSOLL IF NO ARENDMENTS HAVE BEEN INCORPORATED, LOOSEN THE SOL TO A DEPTH OF AT LEAST 6 INCHES BETTOM SPREADING THE TOPSOL.

COVER ON THE AREAS THAT WILL ADEQUATELY PREVENT RELING

sfedro preparation— to control froson on bare soc subtaces, plants aust et asle essental 7 tal area has been recently loosingd or disturbed, no flyther boudded or haddaed, the soc surface aust be loosdaed by disking, raking, harrowag, or off

SEEDING—SEED SHALL BE EVENLY APPLIED WITH A BROADCAST SEEDER, DRILL, CULTIPACKER SEE
NO MODE THAN 1.5 MOVES DEEP, SHALL SEEDS, SUCH AS ANGLAR RYE, SHALL BE PLANTED NO
LECLARES SHALL BE PLANTED NO MORE THAN A HALF SHOT DEEP.
LEALCHOOK THAPORARY SEEDING, COMBUCTED OF FALL FOR WINTER COMPLAND DURING HOT AND
HAY ACCORDING TO THE STANDARD FOR MULDISING HOROMALCHES (FIBER MALCH) MAY NOT FRE

BASIC SEDIMENT CONTROL PLAN ELEMENTS:

OBTAIN ALL PERMITS AND APPROVALS PRIOR TO CONSTRUCTION

 $\sigma$  construction lamis need to be expanded beyong the lamis of disturbance area sho evaluation will meed to be conducted. Contact the environmental boliggst to conduct

distall the stablized construction entrances at the access road stablized construct percord its use at the time of this project's construction

wark all clearing limits and sensitive areas such as streams, betlands, etc.

ristall orange construction fence near streams, wetlands and structures within the i deter disturbance by construction activities.

ADD GRAFEL TO ACCESS ROAD AS MEEDED, BUT NO GRADING OR REPACTS TO EXISTING DRAWAGE

ON A DIECY BASIS, CLEAN THE ROADS THOROUGHLY BY REMOVING TRACKED SEDMENT BY SHONEL STORM DRAIN SYSTEM & NOT ALLONED.

pistall coupost frier sock where shown, parallel to the slope and on the down-or sedimentation from leaving the project area.

CLEAR AND GRUB ALONG THE ROW. PRESERVE NATURAL VECETATION AS MUCH AS POSSIBLE, NO ACTIVITIES.

USE TIMBER MAY BRIDGES TO CROSS MATERBODES AND WET AREAS, AS NEEDED

RE-ESTABLISH THE CRUDE TO THE PRE-CONSTRUCTION CONDITIONS

RE-STABLUZE DISTURBED SOLS WITHIN 7 DAYS BY PLACING TEMPORARY SEEDING IF NOT FINAL O

MULCH AND FERTILIZE AS STATED A THIS PLAN.

PLACE ROLLED EXOSON CONTROL PRODUCTS (RECP), MAIS AND BLAKKETS ON TOP OF SEEDED DISPLACED BY RINDOT - TYPICALLY, SLOPES GREATER THAN 3-LIV NEED TO HAVE AN EROSON O SEED AND PLACE RECP ON THE STEEP SLOPES ADJACENT TO ANY AND ALL STREAMS EMEDIATED.

MANIAN ALL BEST MANAGEMENT PRACTICES (BMPS) AS MEDED TO ASSURE CONTROLED PERFORM

al Bup's small be inspected at least once every sevon calfigar days and withou 24 k per 24 hour period. May required repairs or mantenance should be made andemato, malf five regent of the compost filter sock (1 Day per week or as storm events red

TEMPORARY BUPS SHOULD BE REMOVED WITHOUND DAYS AFTER FAMIL STIE SUBJUGATION IS AD-NITIOND TRAPPED SCIDARIAT SHALL BE REMOVED OR SUBJUZED ON STITL INSTRUBBLE SOO, TRIS DEPRHAMENTLY STABULZED. THAN STABULZATION MEANS THAT ALL SOL-DESTRESS ACTIVITIES ARE COMER OF THE TOTAL MEGETATED AREA BITH A DEMSITY OF TOTA OR GREATER HAS BEEN ESTABLE COMER SUCH AS PAVENENT OR RULLDINGS (WHEN APPLICABLE).

NO NOW PERMINENT CUT OR FILL SLOPES ARE TO REMAIN ON-SITE CRUDICE SHOULD BE DONE CLOSELY WHICH APPROXIMET GOODING CONDUCTS ATTRE CONSTRUCTION IS COMPLETE. ALL ARXI CONDITION ARE TO BE VECTORIED AFTER CONSTRUCTION.

REVISIONS				
DESCRIPTION	DATE	BY		
-	- 1	-		

GEMINATE AND GROW SEEDBED PREPARATION IS REDURED, WHEN THE AREA IS COMPACTED, CRUSTED, ACCEPTABLE MEANS (SEE SURFACE ROUGHENING

OR HYDROSEEDER, SMALL GRAINS SHALL BE PLANTED IE THAN A QUARTER INCH DEEP, OTHER GRASSES AND

SUMMER MONTHS, SHALL BE MULCHED WITH STRAW OR ADEQUATE TEMPERATURE AND MOSTURE CONTROL

ON THE PLANS, A PRE-CONSTRUCTION ENVIRONMENTAL IEVIEW ON THE NEW AREAS PRIOR TO CONSTRUCTION

ENTRANCES WAY BE NEEDED AT THE ACCESS ROAD

S OF DISTURBANCE TO PROVIDE A PHYSICAL BARRIER TO

TUFES ARE TO BE MODIFIED

OR SWEEPING. STREET WASHING TO A WATERCOURSE OR

IT SIDE OF THE LIMITS OF DISTURBANCE TO PREVENT

SCHEICANT INTERFERENCE WITH CONSTRUCTION

EL AND PERMANENT SEEDING WITH A NURSE CROF IF

E, ON STEEP SLOPES WHERE SEEDING MAY BE OU WAT OR BLANKET PLACE OVER THE SEEDED AREAS THIN 7 DAYS) AFTER THE WELL PLUG IS REMOVED.

E OF THEIR INTENDED FUNCTION.

S AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES HIS INCLUDES THE REMOVAL OF SEDIMENT THAT IS OVER ST.

O OR AFTER THE TEMPORARY BMPS ARE NO LONGER OF FROM REMOVAL OF BMPS OR VECETATION SHALL BE WINLIED, AND THAT ETHER A PERMANENT VECETATIVE OR THAT THE SURFACE HAS BEEN STABILIZED BY HARD OR THAT THE SURFACE HAS BEEN STABILIZED BY HARD

H THAT POST-CONSTRUCTION CONTOURS SHOULD THE LOD THAT WERE VEGETATED IN THE EXISTING

## MANAGING THE PROJECT:

THIS SEDIMENT CONTROL PLAN (SCP) IS TO REMAIN ON-SITE AT ALL TIMES DURING CONSTRUCTION. THE SCP SHALL BE MODIFIED WHENEVER THERE IS SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE OF MY BMP!

CLEARING AND GRUSSING ACTIVITIES SHOULD TAKE INTO CONSIDERATION MINIMIZING REMOVAL OF TREES AND DISTURBANCE AND COMPACTION OF NATIVE SOLS.
ANY AREAS THAT REQUIRE PRESERVATION OF CRITICAL OR SENSITIVE AREAS AND/OR REQUIRE BUFFERS SHALL BE DELINEATED ON BOTH THE PLANS AND THE

ALL BMPS SHALL BE INSPECTED, MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED LISE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE SEDMENTATION AND ERISSION IS BEING CONTROLLED ON-STE, AND IS NOT IMPOSING ON ADJACENT PROPERTIES. BMPS, OTHER THAN STATED IN THIS PLAN, MAY NEED TO BE IMPLEMENTED.

SPILLS OR DISCHARGE OF POLLUTANTS ARE TO BE REPORTED WITHIN 24-HOURS TO THE APPROPRIATE AGENCES.

ALL POLIUTANTS, INCLUDING WASTE MATERIALS, SHOULD BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF SURFACE WATER, WOODY DEBRIS MAY BE CHOPPED AND SPREAD ON-SITE AS APPROVED BY THE LANDOWNER.

COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS AND NON-INERT WASTES PRESENT ON THE SITE

MANTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OR CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIMITES ARBICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTATIS TO THE GROUND OR INTO THE SURFACE MATER RUNOTT MUST BE CONDUCTED USING SPILL PROVENTION MUSSURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL RECURRENT IMMENDATING FOLLOWING THE PLASTIC BENEATH THE EQUIPMENT WHEN EMERGENCY REPAIRS ARE TO BE PERFORMED ON-STEL IF RAINING, PLACE PLASTIC OVER THE VEHICLE.

#### DENERAL NOTES REGARDING RECLAMATION:

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN
ACHINICE OF EXCAVATION EXCLUDING SATURDAY, SUNDAY, AND FEDERAL OR STATE HOLIDAYS. CONTACT MISS LITLITY OF WEST VIRGINIA AT 1-800-245-4848

TRAFFIC SHALL BE MAINTAINED ON ALL ACUOINING STREETS AND DRIVES AT ALL TIMES IN ACCORDANCE WITH MY DOT'S REQUIREMENTS.

DISTURBED AREAS CREATED DUE TO WELL PLUG REMOVAL, SHALL BE RECLAIMED, MULCHED AND SEEDED, TO REDUCE EROSION AND SEDMENTATION.

API NUMBERS: API CENTIFICATION NUMBERS SHALL BE DISPLAYED AT THE WELL, IN ACCORDANCE WITH STATE REQUIREMENTS,

LANDOWNERS SHALL BE OVEN ADEQUATE NOTICE THAT CERTAIN SPECIFIED ACTIVITIES WILL BE OCCURRING ON THEIR PROPERTY.

PERMANENT STABILIZATION:

IN PURE LINE SEED APPLICATION RATE: FERTILIZER TYPE: FERTILIZER APPL. RATE: LIMING RATE: MULCH TYPE: MULCHING RATE:

ANCHOR MATERIAL ANCHORING METHOD: RATE OF ANCHOR

MATERIAL APPLICATION: SELDING SEASON DATES:

KENTUCKY BLUEGRASS / REDTOP / BROSFOOT TREFOIL 998
20 LBS/ACRE, 3 LBS/ACRE, AND 10 LBS/ACRE, RESPECTIVELY
COMMERCIA, FERTILIZER 10-20-20
COMMERCIA, 1000 LBS/ACRE
3 TONS/ACRE
HAY & STRAW
3 TONS/ACRE

RECYCLED CELLULOSE FIBER/WOOD FIBER MIXTURE HYDRAULIC SEEDING EQUIPMENT

310 LBS/1000 SQ YD. YEAR ROUND

TEMPORARY STABILIZATION: SPECIES: \* PURE LIME SEED:
APPLICATION RATE:
FERTILIZER TYPE
FERTILIZER APPL. RATE:

LIMING RATE: MULCHING RATE: ANNUAL RYECRASS 95%

95%
40 LBS/ACRE
COMMERCIAL FERFILIZER 10-10-10
COMMERCIAL - 1060 LBS/ACRE
3 TONS/ACRE
HAY & STRAW

3 TONS/ACRE

ESTI	MATED	QUANTITI	ES		
	UNITS	ESTIM. QUANTITY	BID QUANTITY	UNIT	TOTAL
	_				
<b>EROSION &amp; SEDIMENT CONTROL</b>					
EROSION & SEDIMENT CONTROL STONE CONSTRUCTION ENTRANCE	SF	356	-		
		356 251			
STONE CONSTRUCTION ENTRANCE	SF				

\* SEE FLAN DRAWING FOR TIMBER MAT DIMENSIONS

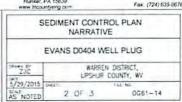




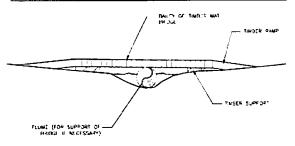


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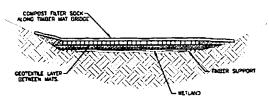
## BAILEY OR TIMBER MAT BRIDGE FOR STREAM CROSSING



- SOIT.

  FRUNK DRY FROM BROCK DEDY AND PLACE AN STOLL CONTINUESY AREA
  LIDING FOR MANUAL RETILING MANUAL CONSTRUCTION AND QUICK RESTORATION
  TO MRY CONSTRUCTION CONSTRUCTS.
  CONTINUES FOR MANUAL MINES FOR MULLERICAL ORDER, MANUAL MICH. OF MANUAL MICH.

## BAILEY OR TIMBER MAT BRIDGE FOR WETLAND CROSSING



- MOTE

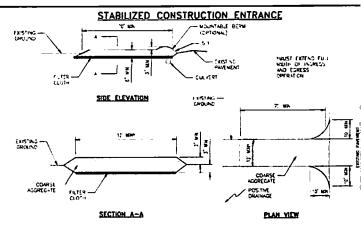
  1. REMOYE DRI FROM BRECCE DECK MED PLACE IN SPOIL DONHARADRI MEA.

  2. SREDGES SPOULD BE SECURITY MODISED AT DIAT DRE DIO USING STELL CHIEL OR CHAMMICHORING AT DIAT DRE DED THE REPUTH CHINCEL DESTRUCTION IN THE EVENT THE
  PLOCOMMENS FLANT THE SHOCKE ACCEPTABLE MADICINE ALL HARE TREES, LAKEE BOULDERS,
  OR DRYMT STELL MICHORS MICHOR'S SHALL BE SUFFICIAL TO PREVIOT THE BEDGE FROM
  FILDHING DONNISTEME MICHOR'S SHALL BE SUFFICIAL TO PREVIOT THE BEDGE FROM
  FILDHING DONNISTEMEM OF DOSCILL CURRING MICHORITOR TO THE TAX

  3. ALLOYS FOR MICHAEL METHAND SPINCE DURING CONSTRUCTION MED GLECK RESTORATION

  10. PRE-CONSTRUCTION CONSTRUCT.

  4. USE BETLAND MADS FROM PREMIEDTON CROLP, MASTY MC., DR APPROVED EDLIVALIM!



- ASTRUMENT

  1. SE 3-4 MEN STORE FOR COLOR FINDAMESS, LACER STONE (4-6 MEN) FOR HEATH OF OR MATTER DELYFF INTERMESS

  2. LEWITH & AS RECLEPED, BUT MY LESS THAN TO TEST (LEWITH ON A SMILE PESCHARE LET #4-RC 4 MA-FOOT MEXICAN LEWITH

  \*\*SOURCE APPLY\*\*

  3. THOMASS SA-VILLE OF NOT LESS THAN BE RECHES.

  1-1- BETHER SHELL AN HEARING OF THE FEET, BUT HOT LESS THAN THE FLAT BOTH MONES WHERE MOLESS ON LOCASS

  5. CONDITION FARMS CHALL RE PLACED DARK THE ENTIRE MAY PROVIDE THE PRIVACE OF STONE.

  ALL SURVING MUTER THOMAS OF SCHOOL THANKS CONTINUE SHALL BY HOTE ARROSS THE INTROMEL OF A DILVERY

  BY MICHIGAN, THAN I MAY MATER MEMBER COURT MOST TON LET MAY THE ACCOUNTY FAILER SOOK STIMMENT BANKEN

  LOCATE ON ETHIR SOOK STIMMENT BANKEN

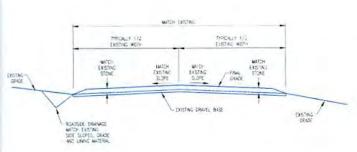
  LOCATE ON ETHIR SOOK STIMMENT BANKEN

- HANTEHNOS

  I THE ENTRINGS SMALL BE MANIANAD IN A CONDITION THAT BY, PRIVEN THANKER OF FLORING OF SEDIMENT ONLY PRIVAL BY SHORT STATE AND ANY BY SEDIMENT ON THE SEDIMENT ON THE SHARP SHARP SHARP THANKER SMALL BY MANIANAD IN THE SEDIMENT OF THE MANIANAD SHARP OF PRIVALE SMALL BY CLARKER OF STATES ON ALL WRITERES BY MENTED THANKER STATES ON ALL WRITERES SMALL BY CLARKER OF STATES ON ALL WRITERES BY SHARP OF STATES ON ALL WRITERES ON STATES STATES ON ANY STATES STATES ON ANY STATES ON STATES STATES AND ATTERIOR AND ANY STATES STATES ON STATES STATES AND ATTERIOR STATES ON STATES STATES STATES AND ATTERIOR STATES ON STATES STATES STATES AND ATTERIOR STATES STATES STATES AND ATTERIOR STATES STATES STATES AND ATTERIOR STATES STATES AND ATTERIOR STATES STATES AND ATTERIOR STATES STATES AND ATTERIOR STATES STATES AND ATTERIOR STATES.

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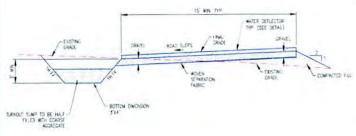
## GRAVEL ROAD RESTORATION



- NOTES

  1. PROR TO STONE PLACEMENT, RECRACE EXISTING ROADWAY INTO "CROWNED" OR "SLOPE TO DITCH" CONFIGURATION TO MATCH EXISTING COMPTIONS, RELIEVE, AND COMPACT SOFT SPOTS PROR TO STONE PLACEMENT, ALL CUT/FILL SLOPES SHALL BY NO CREATER.
- DAWN 24 TV 2. PLACE SHARE SIZE STONE AS 1995-CONSTRUCTION CONDITIONS ON AS HORSED UPON WITH THE DWINEP OF THE ROAC.

## ACCESS ROAD/LOW VOLUME DRIVEWAY



- INSTALLATION

  REALIZATION

  REALIZATION SHIP ACE MAY HE SLOPED TO ELIMEN SIDE AS TOPOGRAPHY AND CONDITIONS WARRANT

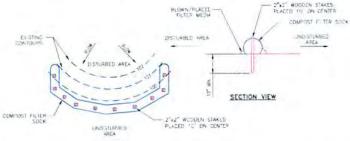
  MAGENTAL WATER DEFILITION AS PER BETAL ON THIS PLAN FOR POSTINT DRAWALE TO TURNOUT SUMP

  DISTRICT SUMPS TO WAIR A BOTTOM DIMENSION OF 3244 MICH A 2 FOOT DEPTH.

  PLACE DESIGN ACCRECATE IN SUMP ON WOTTERE

- MONTHWISE SEGMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE HEGHT OF THE SUMP 2. INSPICIT AT A MINIMUM EXPEL CVERY SEVEN CALENDER BAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT CREATER THAN 0.5 HACHS OF BAN HER 24 HOURS FERRIOD.

## COMPOST FILTER SOCK (SEDIMENT BARRIER)



## PLAN YIEW

- NOTINEATION

  1. COMPOSE FIRST SOOK SHALL BE PLACED AT DISTING LEGIC GRODE, BOTH ENGS OF "HE SOOK SHALL BE DISTINGED AT LEAST 8 FEET UP SAY AS DECREES TO THE MAN SOOK ALKNAMENT.

  2. TRAVITIC SHALL NOT BE PERMITTED TO CROSS FAITH SOOKS.

- MANTENANCE

  1 ACCUMULATED SEDMENT SHALL BY REMOVED WHEN IT REACHES IS THE JERNY GROUND HE CHILD IN THE SOOK AND DISPOSED OF BY SPECIALLY OF SHALL BE REPORTED MERCHY AND AFTER EACH NUMBER FOR SHALL BE REPORTED MERCHY AND AFTER EACH NUMBER FOR SHALL BE REPARED ACCORDING TO MANUFACTURERYS STELLOWING BY SHALL BE REPLACED ACCORDING TO MANUFACTURERYS RECOMMENDATIONS.

  3 BODDERDANDER FULLE SOOK AND EST PERCHADITE OF MORNING PHOTOCOGRAPHIE SOOKS AFTER 1 YEAR POLYPROPYLEAR SOOKS SHALL BE REPLACED ACCORDING TO MANUFACTURERYS RECOMMENDATIONS.

  4 JEAN STRUMENTOR OF THE AREA TROBLERYS TO THE SOOK STATES SHALL BE REMOVED. THE SOOK MAY BE LETT IN PLICE AND VESTIALED ON THE MEMOVED THE SOOK SHALL BE REMOVED. THE SOOK MAY BE LETT IN PLICE AND VESTIALED ON THE MILLOW SPREAD AS A SOL SUPPLEMENT.

- MATERIES

  1 N. LEU DE 30T REMONDED SUI TENDE, USE A MANUAUM YS-NON-DAMETIR COMPOST FETUR SOCK

  2 AT THE UND OF ROW DAYROOMS USE AN 15-NON-DAMETIR COMPOST FATER SOCK (SEGMENT BARRIER)

  3. N. LEU DE SUPER SUI FINNEL USE A MANUAUM 24-NON-DAMETIR COMPOST FLITER SOCK

  COMPOST DOOK FLARMER WOMBOUR SPECIE CANNONS CAN 16 FOLD OF GREATER HANN STATEM BLUDW-

MATERIA TYPE	3 mil 109f	5 ms HCPE
MATERIAL DIARRETERSTICS	PHOTOX GRATIVEL	PHOTOGEGRACABLE
SOCK DAMETERS	18"	24"
MESH OPENAGS	*.	*
TENSILE STRENGTH		M ps
DEGNAL STRONGTH (ASTM G-135)	\$ 40 1,000 999	272 Y, 1000 He
MUM FUNCTIONAL LONGENTY	6 MONTHS	9 WONTHS

5. CONFOST SHALL MEET THE FOLLOWING STANDARDS

CREAME MATTER CONTENT	MISS-100% (DRY WEIGHT BASS)
ORGANIC PORTION	FIBROUS AND DUDNIGATED
31	5.5 - 8:0
MOISTURE CONTENT	35% 55%
PARTICLE SIZE	98% FASS THROUGH 1" SORSEN
SOLUBLE SALT CONCENTRATION	5.C dS MAXIMUNI





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rri-C	OUNTY ENGINEERING, LLC An DIENERCON Company 319 Pantersville Road Planker, PA 15639 www.incountyeng.com	Fax: (724) 635-06
	SEDIMENT CONTROL DETAILS	PLAN
		01110

EVANS D0404 WELL PLUG 5/29/2015 3 OF 3 0061-14 AS NOTED