

NOTES:

- 1. MATERIALS COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN, AND INSECT FREE AND 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 INCH TO 2
- 2. FILTER SOCKS SHALL BE 3 TO 5 MIL CONTINUOUS TUBULAR HDPE & INCHES KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST PASSING THE ABOVE SPECIFICATIONS FOR COMPOST PRODUCTS.

INSTALLATION:

- 3. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE.
- 4. STAKES SHALL BE INSTALLED EVERY 5 FT FOR THE ENTIRE LENGTH OF THE FILTER SOCK AND WITHIN 1 FT OF EACH END. STAKES MAY GO THROUGH THE CENTER OF THE FILTER SOCK OR BE CRISS-CROSSED OVER THE TOP.

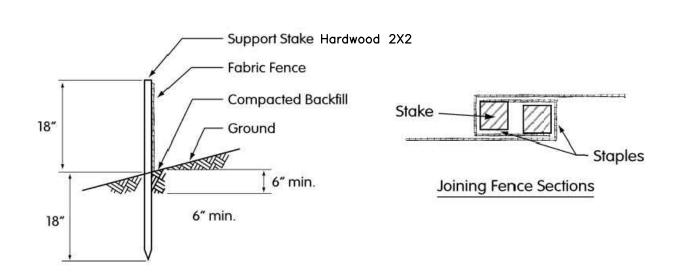
- MANUFACTURER'S SPECIFICATIONS ARE TO BE FOLLOWED WHEN JOINING FILTER SOCK SEGMENTS. PLAN VIEW ABOVE IS TO BE CONSIDERED A MINIMUM.
- FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE, SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.

- ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
- REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/2 OF THE EXPOSED HEIGHT OF THE PRACTICE.
- 9. WHERE THE FILTER SOCK DETERIORATES OR FAILS, IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
- 10. REMOVAL FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDING.

Slope Percent		pped from Filtrexx Sedir		Filter Sock in Feet at sheet by Filtrexx Inter for brand of compost fil	
	8 in	12 in	18 in	24 in	32 in
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

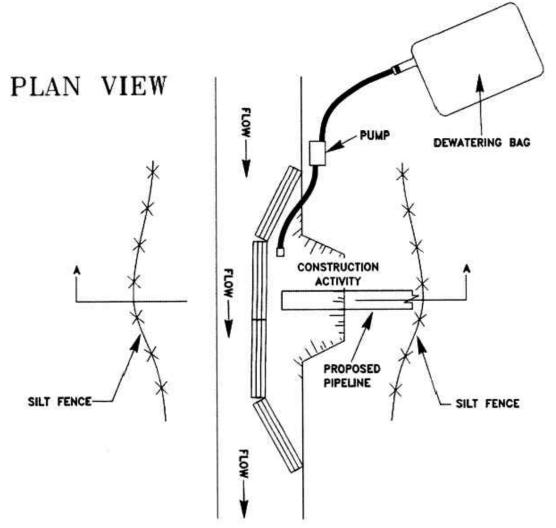
MAXIMUM SLOPE LENGTH ABOVE COMPOST FILTER SOCK AND RECOMMENDED DIAMETER

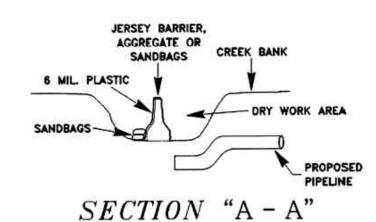
COMPOST FILTER SOCK

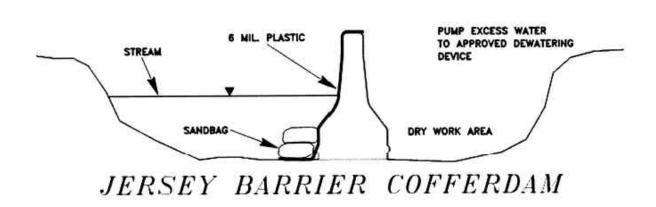


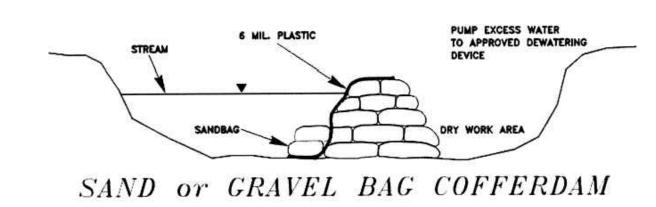
SILT FENCE TAKEN FROM 2006 MANUAL

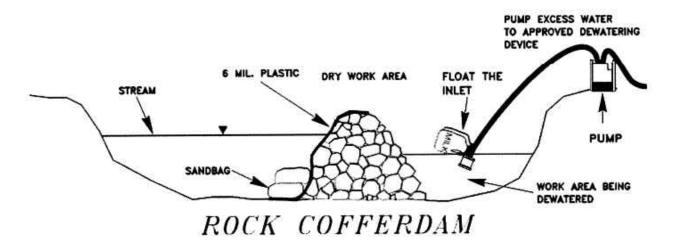
COFFERDAM CROSSING COFFERDAMS



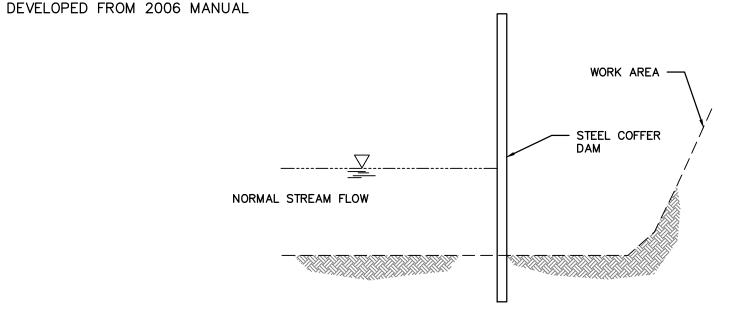




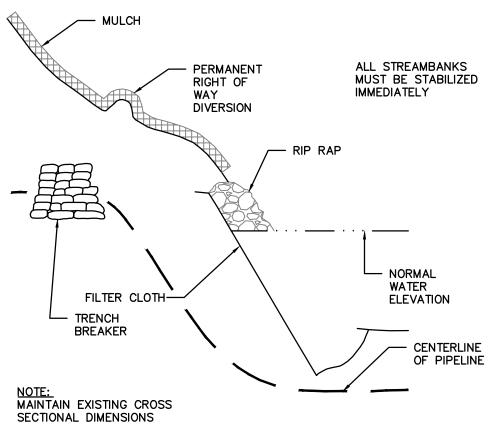




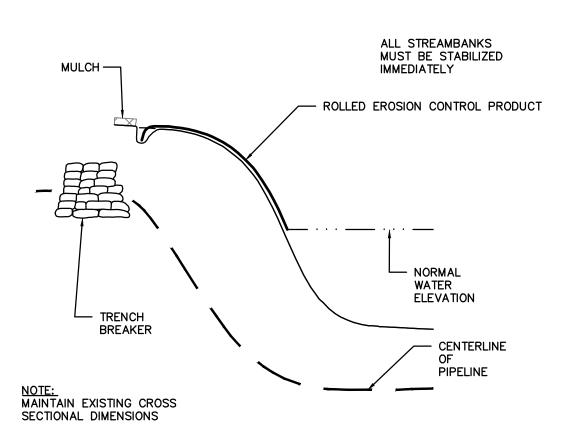
COFFERDAM STREAM CROSSING



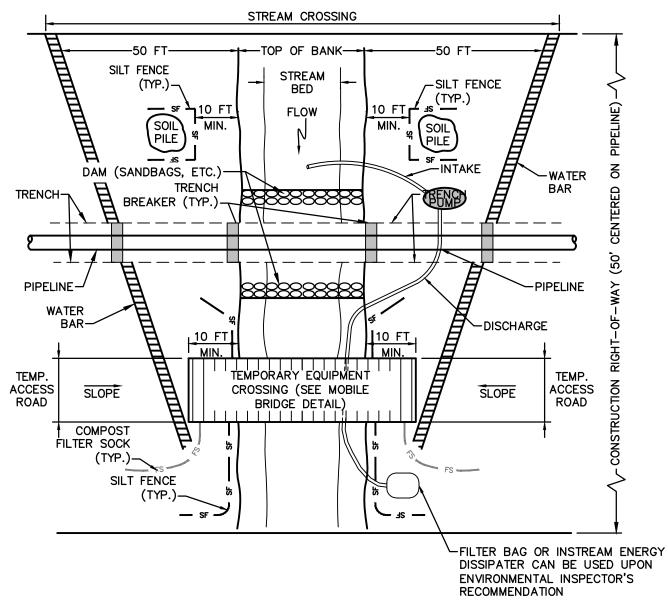
STEEL COFFERDAM OPTION



STREAM BANK STABILIZATION W/ RIP RAP DEVEOPED FROM 2006 MANUAL



STREAM BANK STABILIZATION W/R.E.C.P. DEVELOPED FROM 2006 MANUAL



PLAN VIEW

- NOTES:

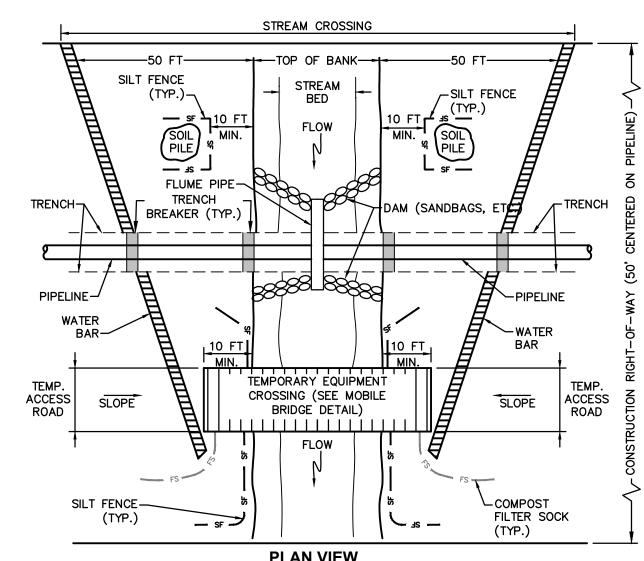
 1. INSTALL COMPOST FILTER SOCKS, TRENCH BREAKERS, PUMP, ENERGY DISSIPATER, AND DAMS BEFORE TRENCHING STREAM.

 2. PUMP MUST BE OF SUFFICIENT CAPACITY TO CONVEY NORMAL AND/OR EXISTING STREAM FLOW OVER TRENCH. A BACK—UP PUMP OF EQUAL CAPACITY MUST BE AVAILABLE ON—SITE DURING CONSTRUCTION OF THE PIPELINE CROSSING.

 3. PLACE SOIL PILES A MINIMUM OF 10 FEET FROM TOP OF BANK.

 4. INSTALL WATER BARS AT APPROACHES TO STREAM CROSSING AND COMPOST FILTER SOCKS, SILT FENCE OR SUBPOSE (AS INDICATED ON PLAN SHEETS)
- FENCE, OR SUPER SILT FENCE (AS INDICATED ON PLAN SHEETS).
 MAINTAIN SURFACE OF TEMPORARY EQUIPMENT CROSSING TO PREVENT SOIL DISCHARGES TO
- 6. APPROACHES TO CROSSINGS ARE NOT TO EXCEED A DEPTH OF 6 INCHES ABOVE ORIGINAL GRADE.
 7. RESTORE AREA TO APPOXIMATE ORIGINAL CONTOURS.

TYPICAL STREAM CROSSING PUMP DIVERSION



PLAN VIEW NOTES:

1. INSTALL COMPOST FILTER SOCKS, TRENCH PLUGS, PUMP, AND DAMS BEFORE TRENCHING STREAM.

2. FOR FLUME PIPE AND ROCK FILL CROSSINGS, INSTALL FLUME PIPE ON EXISTING STREAMBED. MORE THAN 1 FLUME PIPE MAY BE NEEDED TO SPAN STREAM CHANNEL.

- PLACE SOIL PILES A MINIMUM OF 10 FEET FROM TOP OF BANK.
 INSTALL WATER BARS AT APPROACHES TO STREAM CROSSING AND COMPOST FILTER SOCKS, SILT FENCE, OR SUPER SILT FENCE (AS INDICATED ON PLAN SHEETS).
- ALONG STREAM BANKS AND DOWNSLOPE END OF WATER BARS 5. MAINTAIN SURFACE OF TEMPORARY EQUIPMENT CROSSING TO PREVENT SOIL DISCHARGES TO
- 6. APPROACHES TO CROSSINGS ARE NOT TO EXCEED A DEPTH OF 6 INCHES ABOVE
- 7. RESTORE AREA TO APPROXIMATE ORIGINAL CONTOURS.

FLUME PIPE DIVERSION

009H

PROJECT

TETRA TECH

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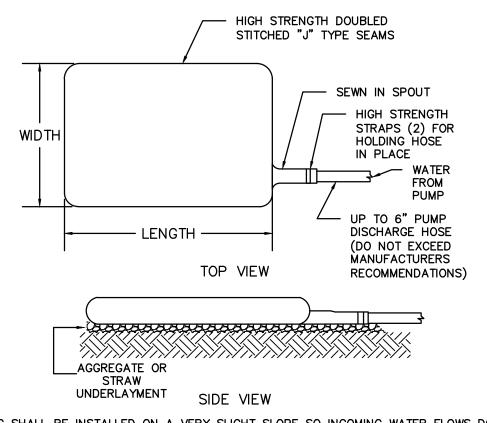
DRAWN BY: CHECKED BY: APPROVED BY: DATE: 06/21/2018 SCALE: AS SHOWN

SHT. NO. 0.04 OF 0.21

WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, DATED 2006.

WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DRAFT DATED 7-28-2010.

WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DATED MAY 2012

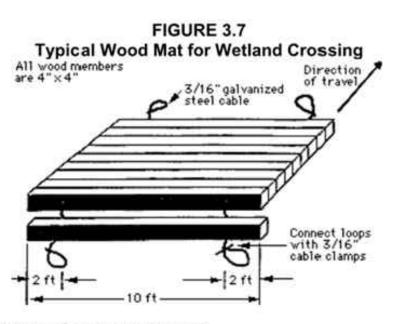


1. THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION.

- 2. THE NECK OF THE FILTER BAG SHALL BE TIGHTLY STRAPPED (MINIMUM TWO STRAPS) TO THE DISCHARGE HOSE. 3. THE BAG SHOULD BE PLACED ON AN AGGREGATE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG. 4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS
- WATER AT A REASONABLE RATE. 5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. TYPICALLY FILTER BAGS CAN HANDLE FLOW RATES OF UP TO 1000 GALLONS PER MINUTE, BUT IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR FLOW
- 6. USE OF EXCESSIVE FLOW RATES OR OVERFILLING THE DEWATERING DEVICE WITH SEDIMENT WILL CAUSE RUPTURES OF THE BAG OR FAILURE OF THE HOSE ATTACHMENT STRAPS. 7. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL.
- 8. EACH STANDARD DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE. USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
- 9. THE DEWATERING DEVICE SHALL BE A NONWOVEN BAG, WHICH IS SEWN WITH A DOUBLE NEEDLE STITCHING USING A HIGH STRENGTH THREAD. 10. THE DEWATERING DEVICE SEAMS SHALL HAVE AN AVERAGE WIDE WITH STRENGTH PER ASTM D
- 11. THE GEOTEXTILE FABRIC SHALL BE A NONWOVEN FABRIC WITH THE FOLLOWING PROPERTIES:

PROPERTIES	TEST METHOD	ENGLISH	METRIC
GRAB TENSILE	ASTM D-4632	250 LBS.	113 KG
PUNCTURE	ASTM D-4833	165 LBS.	75 KG
FLOW RATE	ASTM D-4491	70 GAL/MIN/SQ FT	25 LITERS/MIN/SQMETER
PERMITIVITY	ASTM D-4491	1.3 SEC1	1.3 SEC1
MULLEN BURST	ASTM D-3786	550 LBS./SQINCH	3.79 Mpa
UV RESISTANT	ASTM D-4355	70%	70%
AOS % RETAINED	ASTM D-4751	100%	100%
*ALL PROPERTIES	ARE MINIMU	M AVERAGE ROLI	L VALUE

DEWATERING BAG DEVELOPED FROM 2006 MANUAL



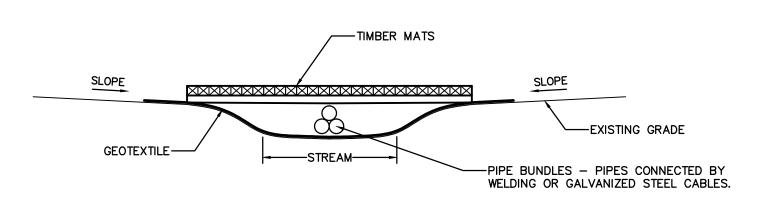
University of Minnesota FS 07009 A geotextile underlayment shall be used under the wood mat.

CULVERTS MAY BE SUBSTITUTED WHEN REQUIRED BY FIELD VERIFIED CONDITIONS.

Source: PaDEP, E&S Pollution Control Manual, March 2012

TIMBER MATS WILL BE USED ON ALL WETLANDS WITHIN THE LOD.

TIMBER MAT/WETLAND CROSSING



TIMBER MAT AND PIPE BUNDLE TEMPORARY STREAM CROSSING

STREAM CROSSING

BANK TO BANK

CHANNEL

WATER

SIDEBOARD-

PREVENT SOIL

DISCHARGES TO STREAM.

INCHES ABOVE ORIGINAL GRADE.

SLOPE

TIMBER MAT

GEOTEXTILE—

TEMP. **ACCESS**

ROAD

WIDTH

FLOW

SILT FENCE

PLAN VIEW

BANK TO BANK

CHANNEL

1. INSTALL WATER BARS OR SILT FENCE AT APPROACHES TO STREAM CROSSING AND COMPOST FILTER SOCKS ALONG STREAM BANKS. INSTALL COMPOST FILTER SOCK AT OUTLET OF WATER BARS.

3. APPROACHES TO CROSSINGS ARE NOT TO EXCEED A DEPTH OF 6

4. GEOTEXTILE LINER TO COME UP ON THE SIDES OF THE BRIDGE A

SIDEBOARDS TO BE ATTACHED TO THE UPPER DECK. GEOTEXTILE TO

2. MAINTAIN SURFACE OF TEMPORARY EQUIPMENT CROSSING TO

BE WRAPPED AROUND SIDEBOARDS PRIOR TO FASTENING.

CROSS SECTION - MOBILE BRIDGE

TEMPORARY BRIDGE STREAM CROSSING DETAIL

MOBILE BRIDGE

-TIMBER BRIDGE MIN.

MIN.

APPROXIMATE

EXISTING

GROUND

SLOPE

-WATER

-COMPOST

(TYP.)

----WATER BAR

STEEL CABLE

OR CHAIN TO

SOLID ANCHOR

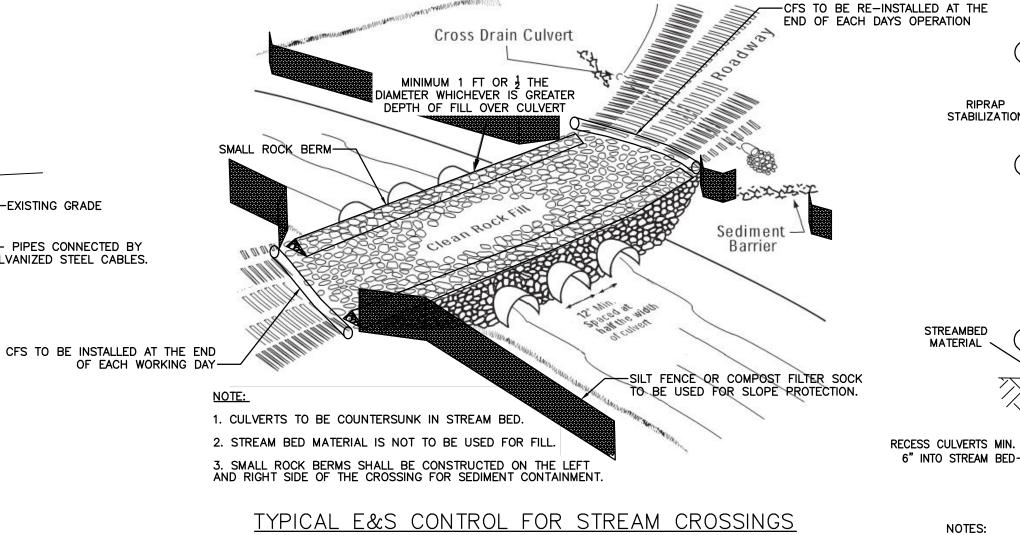
SLOPE

FILTER SOCK

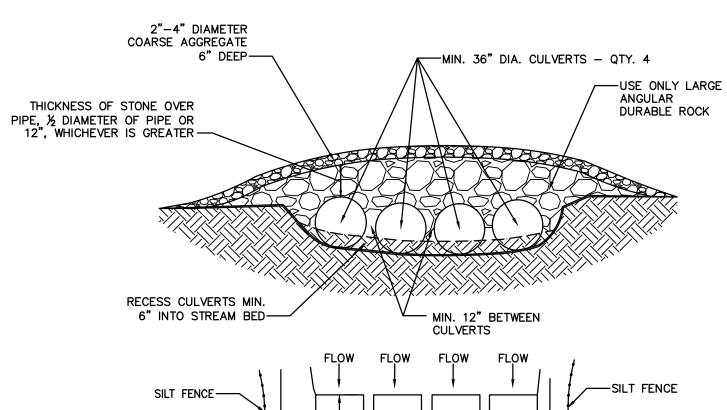
BAR

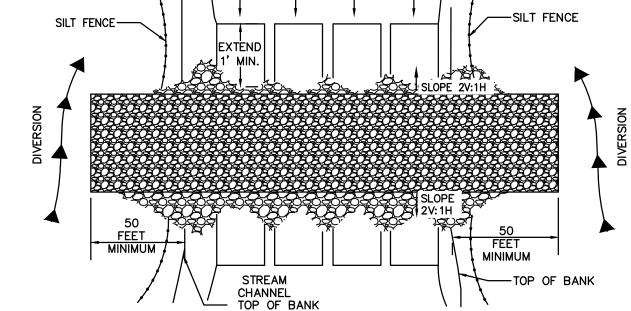
ACCESS

ROAD



TAKEN FROM 2012 MANUAL





NOTES:

1. 2" TO 4" COARSE AGGREGATE OR LARGER WILL BE USED TO FORM THE CROSSING. DO NOT USE ERODIBLE MATERIAL FOR CONSTRUCTION OF THE CROSSING. THE DEPTH OF STONE COVER OVER THE CULVERT SHALL BE EQUAL TO ONE-HALF THE DIAMETER OF THE CULVERT OR 12", WHICHEVER IS GREATER. IF MULTIPLE CULVERTS ARE USED, THEY SHALL BE SEPARATED BY AT LEAST 12" OF COMPACTED AGGREGATE FILL. TO PROTECT THE SIDE SUPERIOR FROM EROSION, RIPRAP SHALL BE USED. STEAM BED MATERIAL IS NOT TO BE USED FOR FILL.

2. THE CULVERTS SHALL EXTEND A MINIMUM OF ONE FOOT BEYOND THE UPSTREAM AND DOWNSTREAM TOE OF THE AGGREGATE PLACED AROUND THE CULVERT.

3. THE SLOPE OF THE CULVERT SHALL BE EQUAL TO THAT OF THE EXISTING STREAM CHANNEL AND AT LEAST 0.25 INCH PER FOOT. 4. THE WATERWAY CROSSING SHALL BE AT A RIGHT ANGLE TO THE STREAM. WHERE APPROACH CONDITIONS DICTATE, THE CROSSING MAY VARY 15 DEGREES FROM A LINE DRAWN PERPENDICULAR TO THE CENTERLINE OF THE STREAM AT THE INTENDED CROSSING LOCATION.

5. THE CENTERLINE OF BOTH ROADWAY APPROACHES SHALL COINCIDE WITH THE CROSSING ALIGNMENT CENTERLINE FOR A MINIMUM DISTANCE OF 50' FROM EACH BANK OF THE WATERWAY BEING CROSSED. IF PHYSICAL OR RIGHT-OF-WAY RESTRAINTS PRECLUDE THE 50' MIN., A SHORTER DISTANCE MAY BE PROVIDED. ALL FILL MATERIALS ASSOCIATED WITH THE ROADWAY APPROACH SHALL BE LIMITED TO A MAX. HEIGHT OF 2' ABOVE THE EXISTING FLOOD PLAIN ELEVATION.

5. THE ROADWAY APPROACHES TO THE STRUCTURE SHALL CONSIST OF STONE PADS MEETING THE FOLLOWING SPECIFICATIONS:) STONE: 2" - 4"

) MIN. WIDTH: EQUAL TO THE WIDTH OF THE STRUCTURE) MIN. LENGTH: 50' ON EITHER SIDE OF THE CROSSING

MIN. THICKNESS: 6'

7. A WATER DIVERTING STRUCTURE SUCH AS A SWALE SHALL BE CONSTRUCTED (ACROSS THE ROADWAY ON BOTH ROADWAY APPROACHES) 50' (MAX.) ON EITHER SIDE OF THE CROSSING. THE 50' IS MEASURED FROM THE TOP OF THE BANK. IF THE ROADWAY APPROACH IS CONSTRUCTED WITH A REVERSE GRADE AWAY FROM THE WATERWAY, A SEPARATE DIVERTING STRUCTURE IS NOT REQUIRED.

8. APPROPRIATE PERIMETER CONTROLS SUCH AS SILT FENCE AND SUPER SILT FENCE MUST BE EMPLOYED WHEN NECESSARY ALONG BANKS OF STREAM.

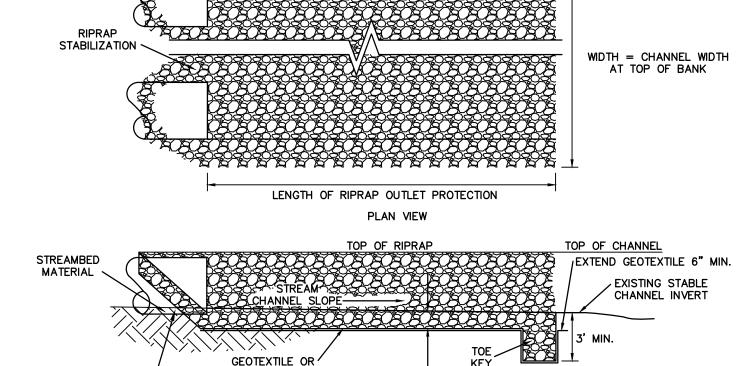
9. CLEARING & EXCAVATION OF STREAMBED AND BANKS WILL BE KEPT TO A MINIMUM.

10. THE INVERT ELEVATION OF THE CULVERT SHALL BE INSTALLED COUNTERSUNK INTO NATURAL STREAMBED GRADE BY 6".

11. FILTER CLOTH SHALL BE PLACED ON THE STREAMBED AND STREAMBANKS PRIOR TO PLACEMENT OF THE PIPE CULVERTS AND AGGREGATE. THE FILTER CLOTH SHALL COVER THE STREAMBED AND EXTEND A MIN. OF 6" AND MAX. OF 1' BEYOND THE END OF THE CULVERT AND BEDDING MATERIAL.

12. DURING ROUTINE ROAD MAINTENANCE, DO NOT GRADE MUD AND DEBRIS OVER THE SIDES OF THE CROSSING INTO THE STREAM.

CULVERT CROSSING DEVELOPED FROM 2006 MANUAL



PROFILE

ROCK RIPRAP APRON

THICKNESS MIN. 1.5 x Dmax

1. SUBGRADE FOR THE FILTER OR BEDDING AND RIPRAP SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES AS SHOWN ON THE PLAN. THE SUBGRADE SHALL BE CLEARED OF ALL TREES, STUMPS, ROOTS, SOD, LOOSE ROCK, OR OTHER MATERIALS

GRAVEL BEDDING

- 2. RIPRAP SHALL CONFORM TO THE GRADING LIMITS AS SHOWN ON THE PLAN.
- 3. GEOTEXTILE SHALL BE SECURELY ANCHORED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.

6" INTO STREAM BED-

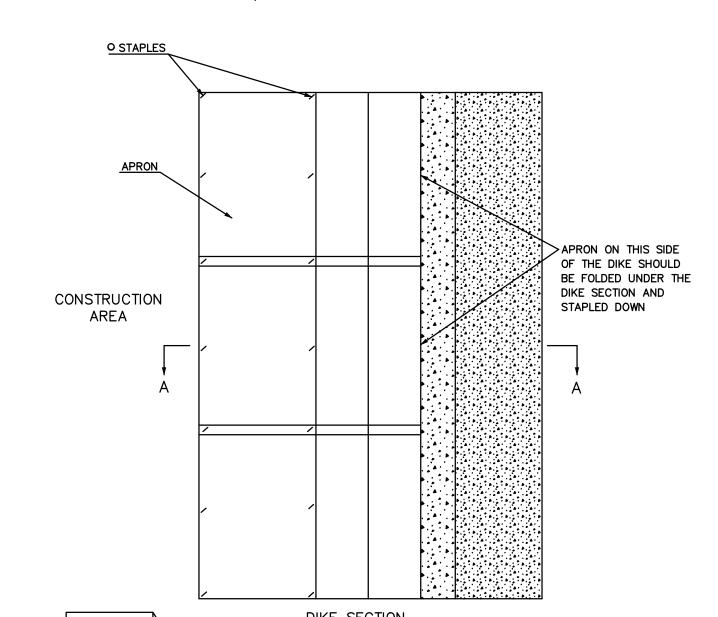
- 4. GRAVEL BEDDING SHALL BE AASHTO NO. 67'S OR 57'S UNLESS SHOWN DIFFERENTLY ON THE DRAWINGS.
- 5. RIPRAP MAY BE PLACED BY EQUIPMENT BUT SHALL BE PLACED IN A MANNER TO PREVENT SLIPPAGE OR DAMAGE TO THE GEOTEXTILE. RIPRAP SHALL BE PLACED BY A METHOD THAT DOES NOT CAUSE SEGREGATION OF

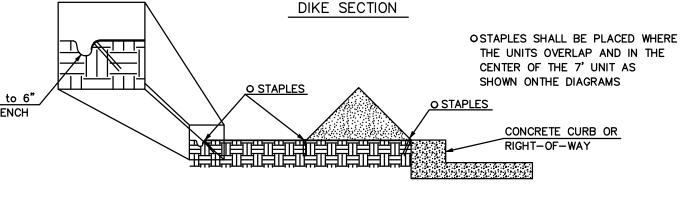
RIPRAP SIZING: D50 = 10IN

- SIZES. EXTENSIVE PUSHING WITH A DOZER CAUSES SEGREGATION AND SHALL BE AVOIDED BY DELIVERING RIPRAP NEAR ITS FINAL LOCATION WITHIN THE CHANNEL. CONSTRUCTION SHALL BE SEQUENCED SO
- THAT OUTLET PROTECTION IS PLACED AND FUNCTIONAL WHEN THE STORM DRAIN, CULVERT, OR OPEN CHANNEL ABOVE IT BECOMES OPERATIONAL. 8. ALL DISTURBED AREAS WILL BE VEGETATED AS
- SOON AS PRACTICAL. 9. RIPRAP APRON AT BOTH INLET AND OUTLET SHALL EXTEND ACROSS THE STREAM CHANNEL BOTTOM AND UP THE CHANNEL

BANKS TO THE TOP OF THE BANKS.

STREAM CULVERT CROSSING INLET/OUTLET PROTECTION





DETAIL A-A

TEMPORARY SILT DIKE INSTALLATION FOR CONTINUOUS BARRIER SOURCE ACF ENVIRONMENTAL

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AS SHOWN

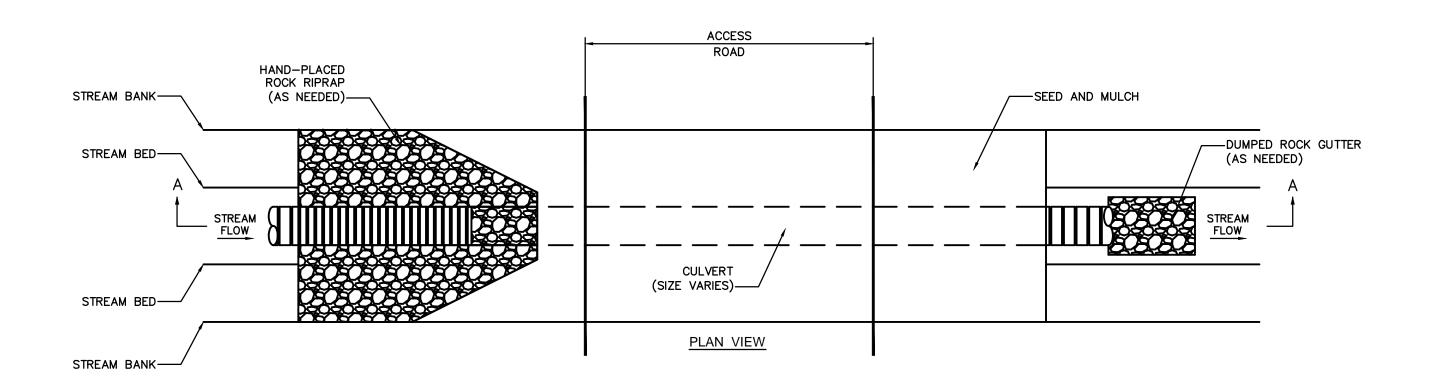
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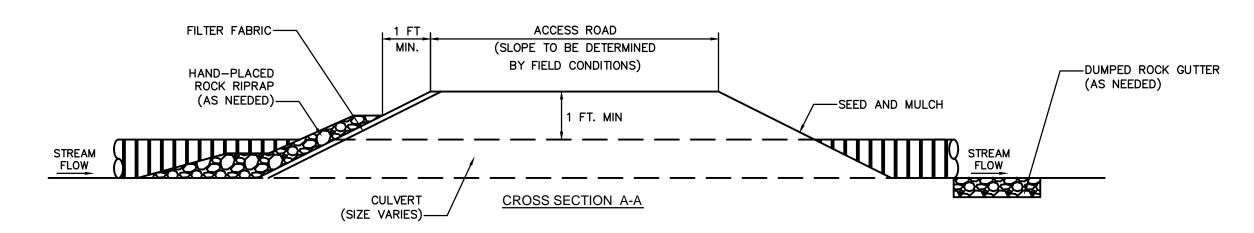
SHT. NO. 0.05 OF

SCALE:

WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL, DATED 2006. WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DRAFT DATED 7-28-2010. WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, DATED MAY 2012

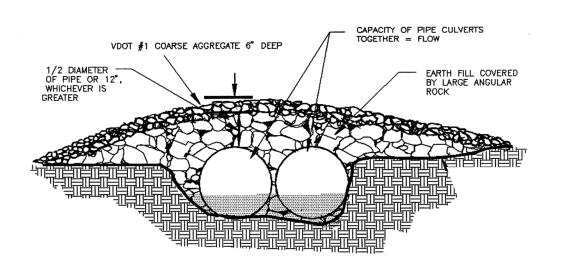
TETRA TECH CAD FILE PATH: X:\CADD_Pittsburgh\EQT\7157 - MVP\0 - General\E&S\For Henry\7157ES005.dwg PLOTTED ON: 11/14/2018 7:34 AM PLOTTED BY: Rickabough, Greg PLOT FILE: ENVIRONMENTAL COLOR.ctb



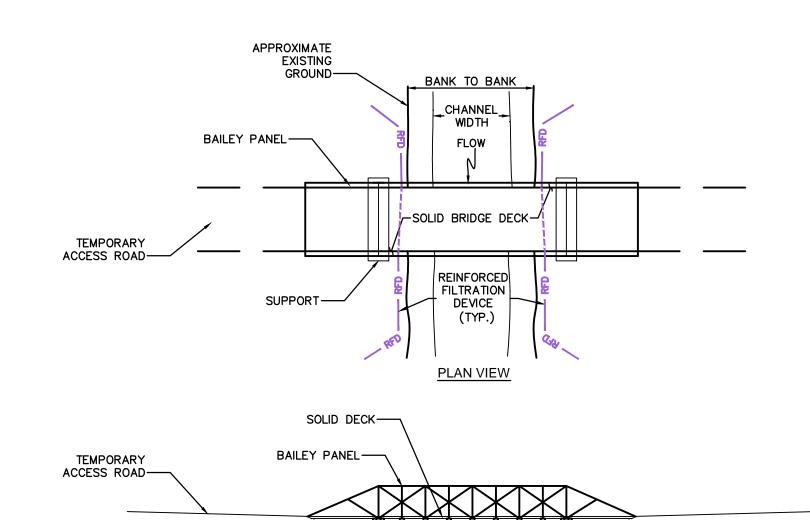


CULVERT SHALL BE DEPRESSED A MINIMUM OF 6 INCHES INTO STREAM BED TO ENSURE UPSTREAM AND DOWNSTREAM CONNECTIVITY

TYPICAL ROAD CROSS—SECTION
AT STREAM CROSSING



TEMPORARY CULVERT CROSSING TAKEN FROM VADEQ 1992 MANUAL

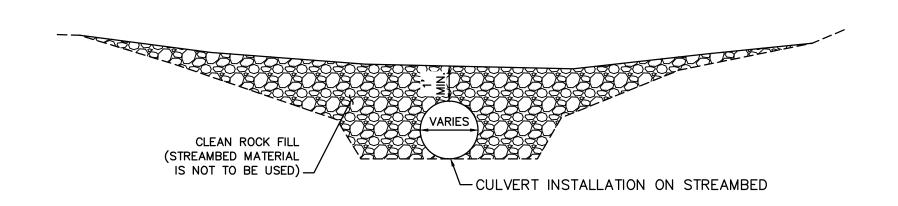


SUPPORT-

REINFORCED FILTRATION DEVICE—

MODULAR TEMPORARY BAILEY BRIDGE

<u>PROFILE</u>



—APPROXIMATE TOP OF BANK

-EXISTING GROUND

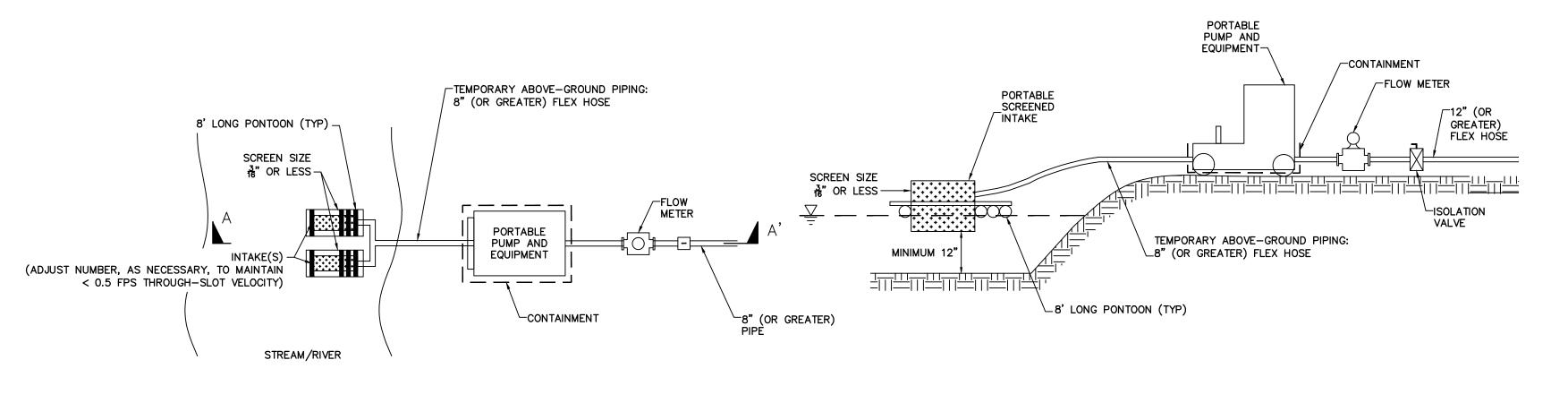
TYPICAL STREAM CROSSING PROFILE - SINGLE CULVERT TAKEN FROM WVDEP MANUAL

EROSION AND SEDIMENT CONTROL DETAILS MOUNTAIN VALLEY PIPELINE PROJECT — H600 LINE MOUNTAIN VALLEY PIPELINE, LLC 555 SOUTHPOINTE BOULEVARD, SUITE 200 CANONSBURG, PA 15317		ES MODIFICATION 008	5.0 IFC ALIGNMENT CHANGE	IMPLEMENTATION PLAN ALIGNMENT	DESCRIPTION:	REVISIONS:	
DETAILS - H600 LINE 2 02-21-18 1 01-26-18 NO.: DATE:		DW	DW	DW	APPD.:	Д П	
DETAILS - H600 LINE 2 02-21-18 1 01-26-18 NO.: DATE:		RE	RE	RE	CHKD.:		
DETAILS - H600 LINE 2 1 1 LLC 200		KAL	KAL		::NMO		
DETAILS - H600 LINE , LLC 200		06-21-18	02-21-18	01-26-18			
DETAII - H6 , LLC 200		3	2	1	NO.:		
	PIPELINE				O I JINI JOIG AJ INV INIVINION	555 SOUTHPOINTE BOULEVARD, SUITE 200	CANONSBURG, PA 15317
		TRUCTION DETAIL	ONTRACTOR, THE	TION TECHNIQUES	OR REGULATORY	MENTS	

DRAWN BY: CHECKED BY: APPROVED BY:

06/21/2018 SCALE: AS SHOWN SHT. NO. 0.09 OF 0.21

THE CULVERT TYPES, SIZES, AND LOCATIONS RELATIVE TO THE PIPELINE ARE SHOWN ON THE TABLE INCLUDED AS ATTACHMENT DR3 WATER RESOURCES -6A.



SCHEMATIC PLAN VIEW NOT TO SCALE INTAKE ARRANGEMENT

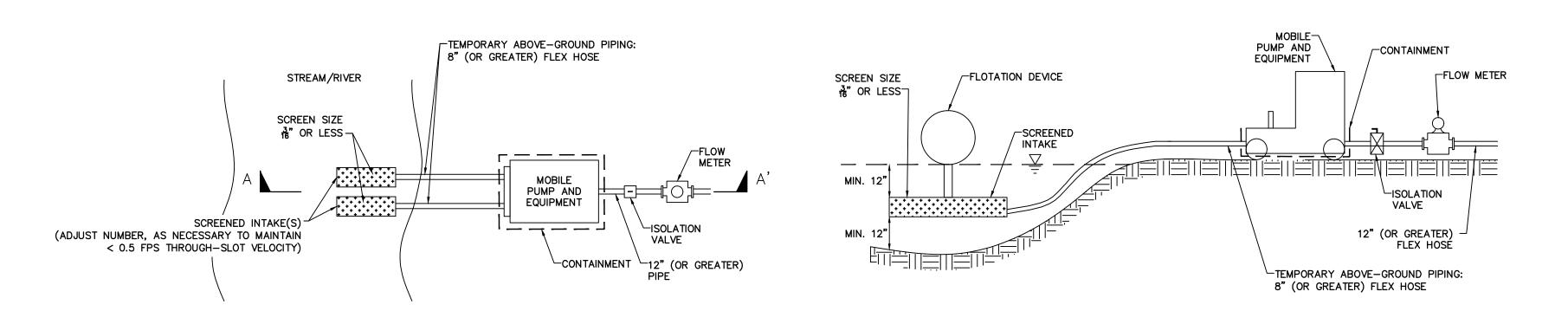
SECTION A-A'

NOT TO SCALE

NOTES:

- 1. PUMP PAD WILL MATCH EXISTING GRADE.
- 2. SURFACE WATER SOURCE TO BE USED FOR TEMPORARY WATER WITHDRAWALS. TEMPORARY PUMP AND ASSOCIATED EQUIPMENT (OTHER THAN THE TEMPORARY HOSE AND INTAKE SCREEN) WILL BE LOCATED OUT OF THE ORDINARY HIGH WATER MARK. ALL TEMPORARY HOSES AND INTAKE SCREENS WILL BE REMOVED FROM THE FLOODWAY WHEN NOT IN USE.

TYPICAL RIVERSCREEN INTAKE WITH MOBILE PUMP



SCHEMATIC PLAN VIEW NOT TO SCALE INTAKE ARRANGEMENT

SECTION A-A'

NOT TO SCALE

NOTES:

- 1. PUMP PAD WILL MATCH EXISTING GRADE.
- 2. SURFACE WATER SOURCE TO BE USED FOR TEMPORARY WATER WITHDRAWALS.
 TEMPORARY PUMP AND ASSOCIATED EQUIPMENT (OTHER THAN THE TEMPORARY
 HOSE AND INTAKE SCREEN) WILL BE LOCATED OUT OF THE ORDINARY HIGH WATER
 MARK. ALL TEMPORARY HOSES AND INTAKE SCREENS WILL BE REMOVED FROM
 THE FLOODWAY WHEN NOT IN USE.

TYPICAL FLOATING INTAKE WITH MOBILE PUMP

NOT TO SCALE

\d \tau\ \circ+c						
PIPELINE						
	4	11-01-18	٦K	RE	DW	ES MODIFICATION 0011
TALL COST	3	06-21-18 KAL	KAL	RE	MQ	ES MODIFICATION 008
LIINE PROJECI - NOUO LIINE	2	02-21-18 KAL	KAL	RE	MQ	5.0 IFC ALIGNMENT CHANGES
	1	01-26-18 KAL	KAL	RE	MQ	IMPLEMENTATION PLAN ALIGNMENT CHANGES
	:ON	DATE:	DWN.:	DWN.: CHKD.: APPD.:	APPD.:	DESCRIPTION:
ENERGY DRIVE					Ж Ш	REVISIONS:
BURG, PA 15317						



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HIS TYPICAL CONSTRUCTION DETAIL
S INTENDED TO PROVIDE GUIDANCE
TO THE PIPELINE CONTRACTOR. THE
ACTUAL CONSTRUCTION TECHNIQUES
AAY DIFFER DEPENDING UPON FIELD
CONDITIONS AND OR REGULATORY
REQUIREMENTS

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE:

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SCALE:

AS SHOWN

REVISION

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