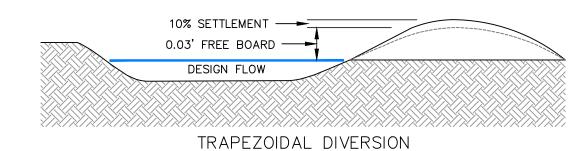


PARABOLIC DIVERSION

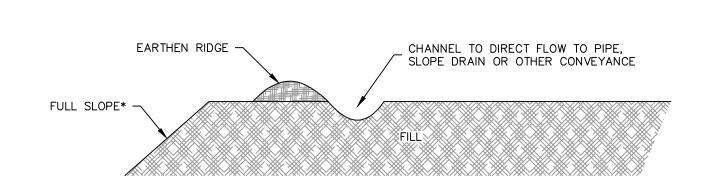


10% SETTLEMENT 0.03' FREE BOARD -DESIGN FLOW

VEE-SHAPED DIVERSION

Table 3.15.1				
<b>CHANNEL CROSS S</b>	ECTION REQUIR	<b>EMENTS</b>		
	Α	В		
Drainage area	< 5 acres	5 – 10 acres		
Bottom width flow channel	4 feet	6 feet		
Depth of flow channel	1 foot	1 foot		
Side slopes	2:1 or flatter	2:1 or flatter		
Grade	0.5% minimum	0.5% minimum		

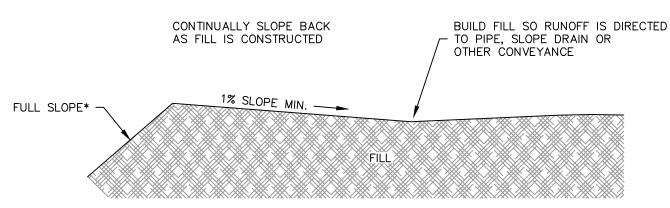
DIVERSION DETAIL NOT TO SCALE



TEMPORARY BERM

\* SEED AND MULCH FILL SLOPE EVERY 10 FEET OF FILL OR EVERY

7 DAYS, WHICHEVER COMES FIRST



GRADING

Table 3.15.2						
ST	ABILIZATION RREQUIRE	MENTS				
Shannal Crade (9/)	Α	В				
Channel Grade (%)	< 5 acres	5 – 10 acres				
0.5 - 3.0	Seed & straw mulch	Seed & straw mulch				
24 50	Seed & straw mulch	Seed & cover/RECP; sod;				
3.1-5.0	Seed & Straw mulch	or line with riprap				
5.1 – 8.0	Seed & cover w/ RECP;	Lina with rinran				
5.1-8.0	sod;or line with riprpa	Line with riprap				
8.1 – 20.0	Line with riprap	Engineering design				

NOT TO SCALE

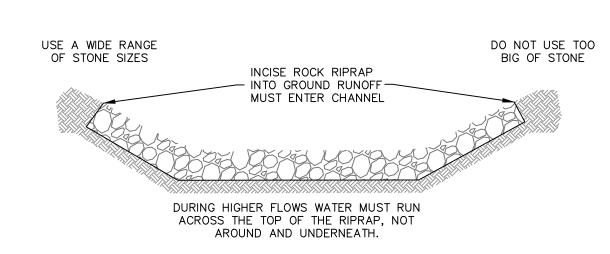
TEMPORARY FILL DIVERSION DETAIL

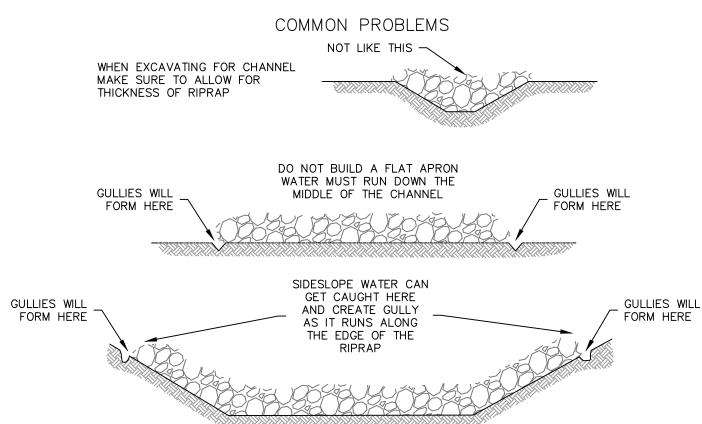
PERMANENT SEEDING APPLICATION RATE **SOIL AMENDMENT** NOTES PER 1,000 SQ. FT. PER 1,000 SQ. YD. PER ACRE OR AS PER SOIL TEST; MAY AGRICULTURAL LIME 7.5 TONS 300 LB. 3,100 LB. NOT BE REQUIRED IN AGRICULTURAL FIELDS OR AS PER SOIL TEST; MAY 10-10-20 FERTILIZER 1,000 LB. 25 LB. 210 LB. NOT BE REQUIRED IN AGRICULTURAL FIELDS

MULCH TYPE	APF	LICATION RATE (M	NOTES	
WIOLCHTTFL	PER ACRE PER 1,000 SQ. FT. PER 1,000 SQ. YD.		NOTES	
		140 LB.	1,240 LB.	EITHER WHEAT OR OAT
STRAW	3 TONS			STRAW, FREE OF WEEDS,
SINAW	3 10113			NOT CHOPPED OR FINELY
				BROKEN
				TIMOTHY, MIXED FLOVER
HAY	3 TONS	140 LB.	1,240 LB.	AND TIMOTHY OR OTHER
				NATIVE FORAGE GRASSES
				MAY PREVENT
WOOD CHIPS	4 - 6 TONS	185 - 275 LB	1,650 - 2,500 LB.	GERMINATION OF GRASSES
				AND LEGUMES
HYDROMULCH	1TON	47 LB.	415 LB.	SEE NOTE 1

1. SHREDDED PAPER HYDROMULCH SHOULD NOT BE USED ON SLOPES STEEPER THAN 5%. WOOD FIBER HYDROMULCH MAY BE APPLIED ON STEEPER SLOPES PROVIDED TACKIFIER IS USED. THE APPLICATION RATE FOR ANY HYDROMULCH SHOULD BE 2,000 LB./ACRE AT MINIMUM.

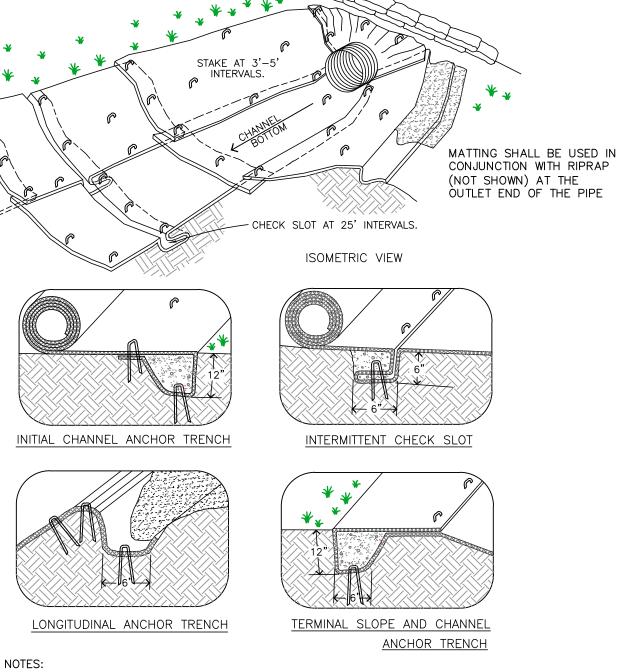
### MULCH AND FERTILIZER





RIPRAP DIVERSION DETAIL NOT TO SCALE

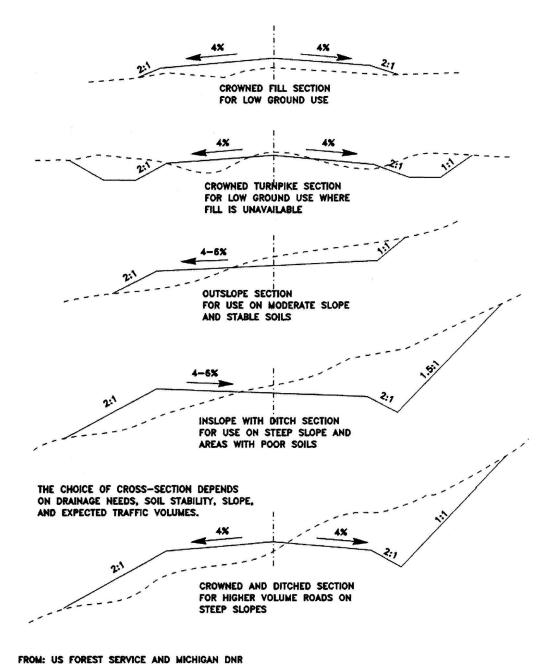
ISSUED FOR PERMITTING



1. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURERS SPECIFICATIONS. 2. STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.

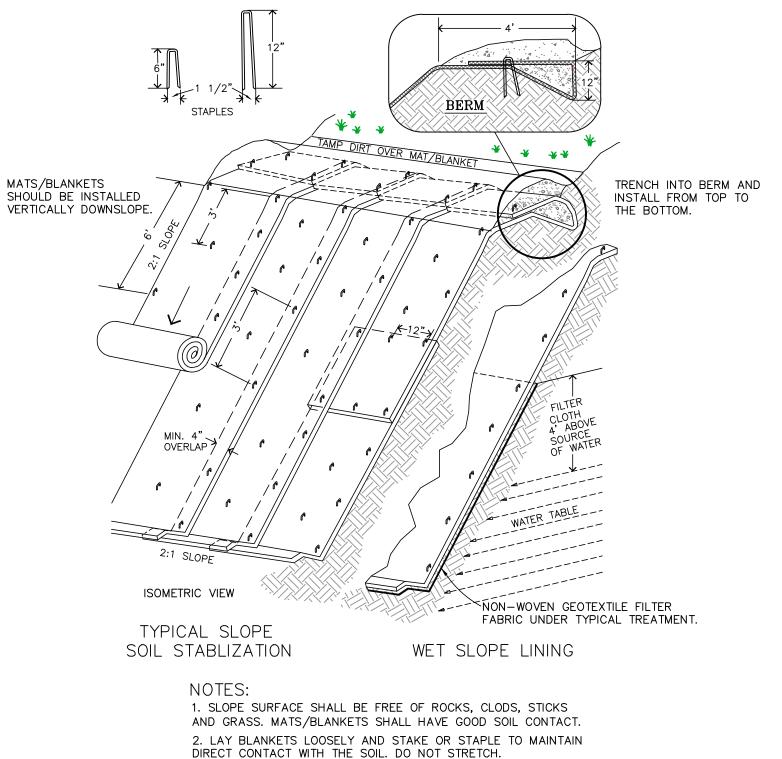
### TYPICAL RECP CHANNEL INSTALLATION DETAIL NOT TO SCALE

### FIGURE 3.35.1 TYPES OF ROAD CROSS-SECTIONS



TYPES OF ROAD CROSS-SECTIONS

# NOT TO SCALE



DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

## ROLLED EROSION CONTROL DETAIL

NOT TO SCALE SLOPE ROAD SURFACE TOWARDS DITCHLINE GRAVEL SURFACE **PERSPECTIVE** VIEWSTABILIZE DITCH WITH
APPROPRIATE LINING SUCH
AS RIPRAP. RECP, OR GRASS

DITCH LINE

CROSS SECTION **CULVERT SIZING TABLE** DRAINAGE AREA PIPE DIAMETER PIPE CAPACITY (CFS) 20 9 30 12 50 24 18 80 24 100 29 30 300 60

SOURCE: WEST VIRGINIA EROSION AND SEDIMENT CONTROL FIELD MANUAL, MAY 2012 SEDIMENT AND EROSION CONTROL

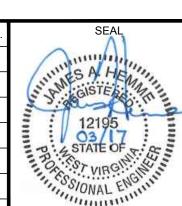
FOR ACCESS ROADS AND DRIVEWAYS NOT TO SCALE

42

500

GENERAL NOTES AND COMMENTS:	SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.
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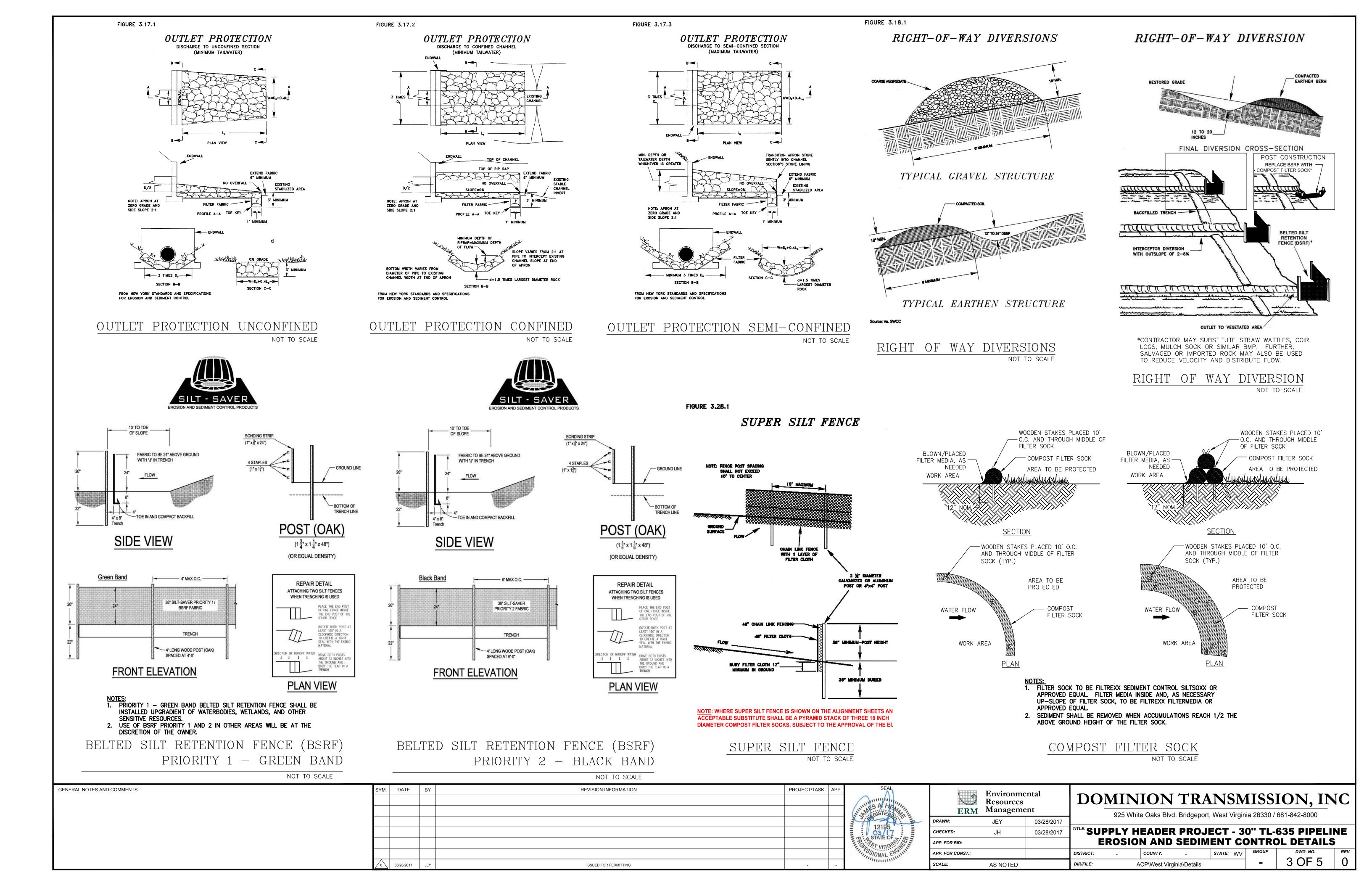
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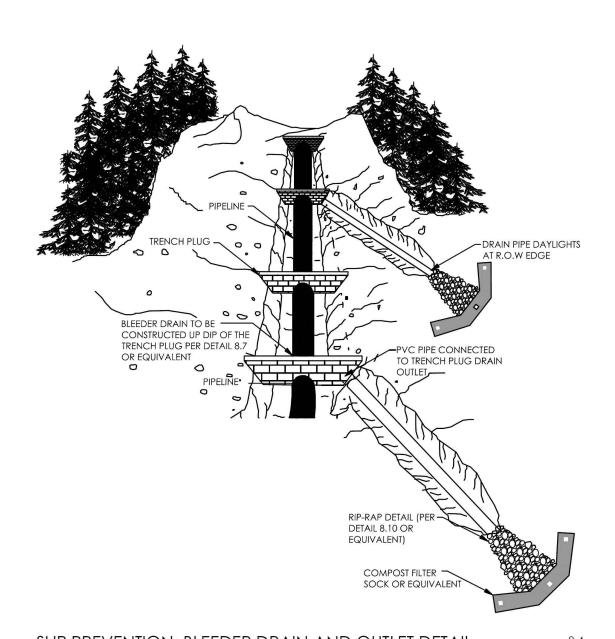
TITLE: SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE

**EROSION AND SEDIMENT CONTROL DETAILS** STATE: WV DISTRICT: ACP\West Virginia\Details

2 OF 5



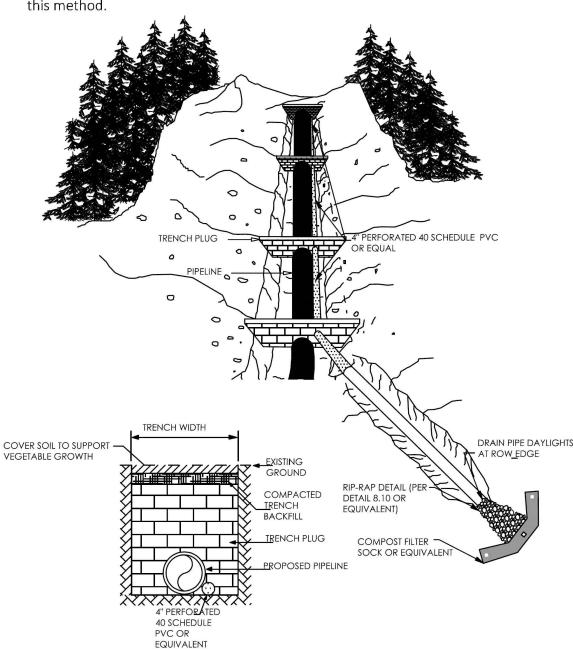
Where trenching activities are proposed in high slip potential soils and in areas where existing ground slopes are greater than 3:1, bleeder drains shall be installed to passively drain water from the trench area. The following illustration shows a drain placed at every second trench plug.



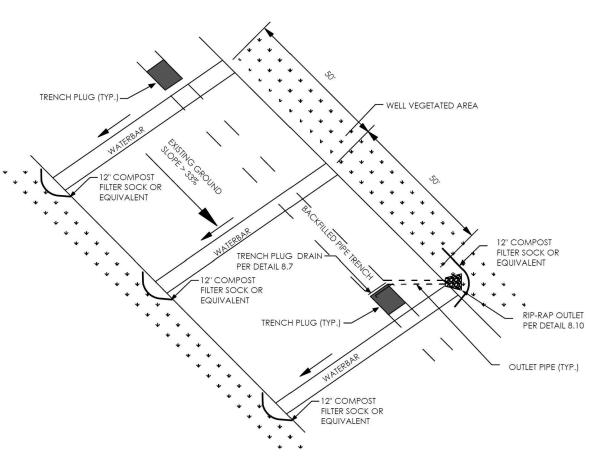
SLIP PREVENTION: BLEEDER DRAIN AND OUTLET DETAIL SLIP PREVENTION: BLEEDER DRAIN AND OUTLET DETAIL

NOT TO SCALE

A bleeder drain placed parallel along the pipeline is an effective way to passively drain water from the backfilled trench area. This technique will reduce the number of outlets and control the placement of outlets. The following illustration shows



SLIP PREVENTION: BLEEDER DRAIN PARALLEL TO PIPELINE SLIP PREVENTION: BLEEDER DRAIN PARALLEL TO PIPELINE NOT TO SCALE The outlets associated with pipeline trench drains are typically used in conjunction with right-of-way diversions. Used in this manner, additional outlets and sediment filter controls will not be needed. Spacing for trench plugs in high slip potential soils is related to the severity of the ROW slopes. Trench plug drains shall be installed at every other trench plug on slopes that are 30% or greater.

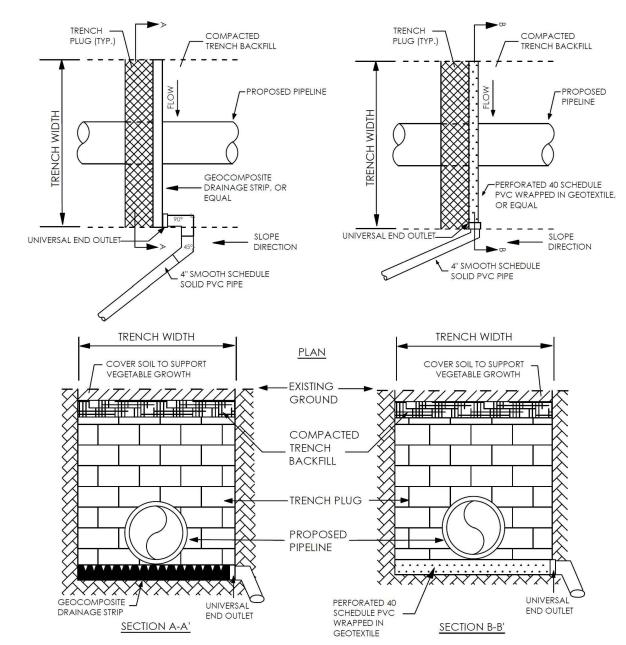


pacing of Trench Plugs (Drains to be installed at every other Plug)						
Percent Slope	Spacing in Feet					
<5	*					
5 - 15	500					
15 - 25	300					
25 - 35	200					
<b>№ 3</b> E	100					

SLIP PREVENTION: TRENCH PLUG DRAIN OVERVIEW

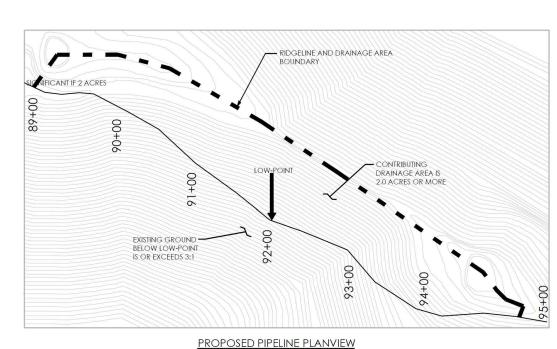
SLIP PREVENTION: TRENCH PLUG DRAIN OVERVIEW

Two (2) types of trench plug drains are illustrated below. Geocomposite Drainage Strips or Perforated Schedule 40 PVC placed behind the trench plug and below the pipeline are effective ways to passively drain water. Both methods show Schedule 40 PVC discharge pipe at a minimum of a 2% grade.



SLIP PREVENTION: TRENCH PLUG DRAIN DETAILS SLIP PREVENTION: TRENCH PLUG NOT TO SCALE

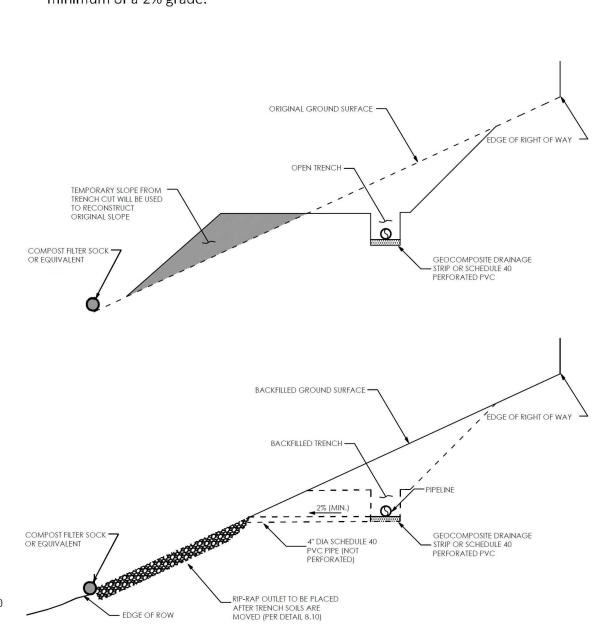
Bleeder drains will sometimes be required at low points associated with side hill construction activities in high slip potential soils. Drainage from the undisturbed profile can infiltrate the backfilled soil within the trench and drain to a low point with the potential of saturating the soil. A drain shall be installed at low topographical areas where the existing ground slopes perpendicular to the ROW are greater than 3:1 and with significant contributing drainage area two (2) acres or more. Unusual conditions will be reviewed on a case by case basis.



SLIP PREVENTION: SIDE HILL CONSTRUCTION NOT TO SCALE

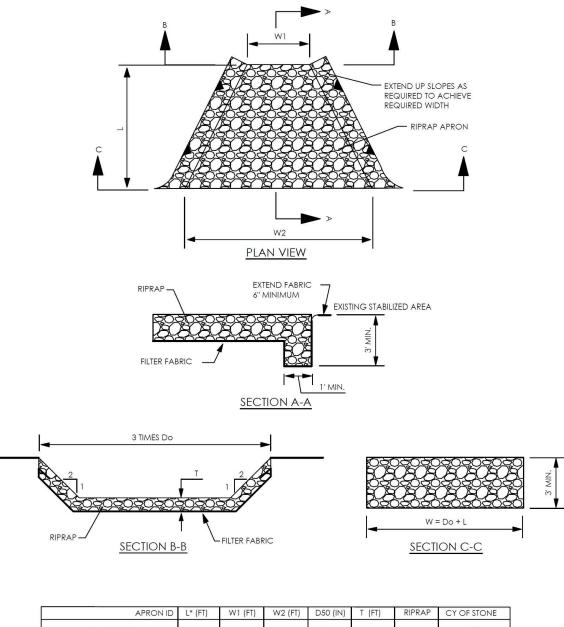
SLIP PREVENTION: SIDE HILL CONSTRUCTION

Two (2) types of low point drains are illustrated below. Geocomposite Drainage Strips or Perforated Schedule 40 PVC placed below the pipeline are effective ways to passively drain water. Both methods show Schedule 40 PVC discharge pipe at a minimum of a 2% grade.



SLIP PREVENTION: SIDE HILL CONSTRUCTION DRAIN

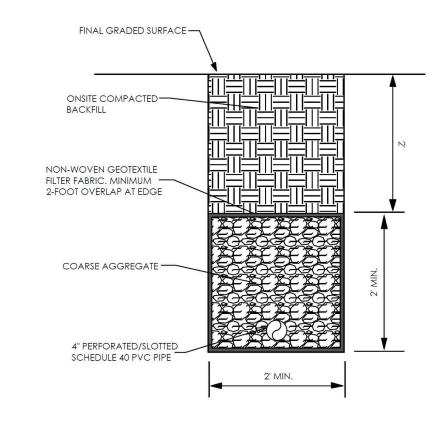
SLIP PREVENTION: SIDE HILL CONSTRUCTION DRAIN NOT TO SCALE Outlet protection structures prevent scour and erosions at discharge outlets by dissipating the energy and reducing velocities. The illustration below show a typical application of an apron lined with rock riprap.



SLIP PREVENTION: DRAIN OUTLET RIP-RAP OUTLET

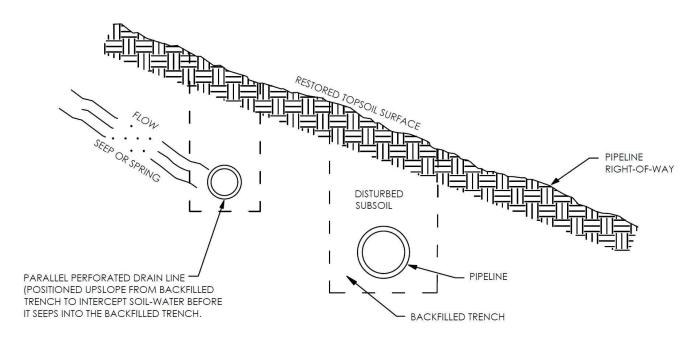
SLIP PREVENTION: DRAIN OUTLET RIP-RAP OUTLET NOT TO SCALE French drains can be constructed to passively drain water away from the trench area. These drains can be installed at seepage areas encountered during construction. These drains should be sloped at a minimum of 2% to the outlet locations

Parallel drainage tiles can be installed at seepage areas encountered during construction. The drains may be perforated PVC or geocomposite drain strips placed between the seepage area and the pipeline to intercept soil-water before it seeps into the open or backfilled trenchline. These drains should be sloped at a minimum of 2% to the outlet locations.



SLIP PREVENTION: SUBSURFACE DRAIN (FRENCH DRAIN) 8.11

SLIP PREVENTION: SUBSURFACE DRAIN (FRENCH DRAIN) NOT TO SCALE



SLIP PREVENTION: SEEP INTERCEPT DRAIN PARALLEL TO TRENCH 8.12

SLIP PREVENTION: SEEP INTERCEPT DRAIN PARALLEL TO TRENCH

GENERAL NOTES AND COMMENTS:

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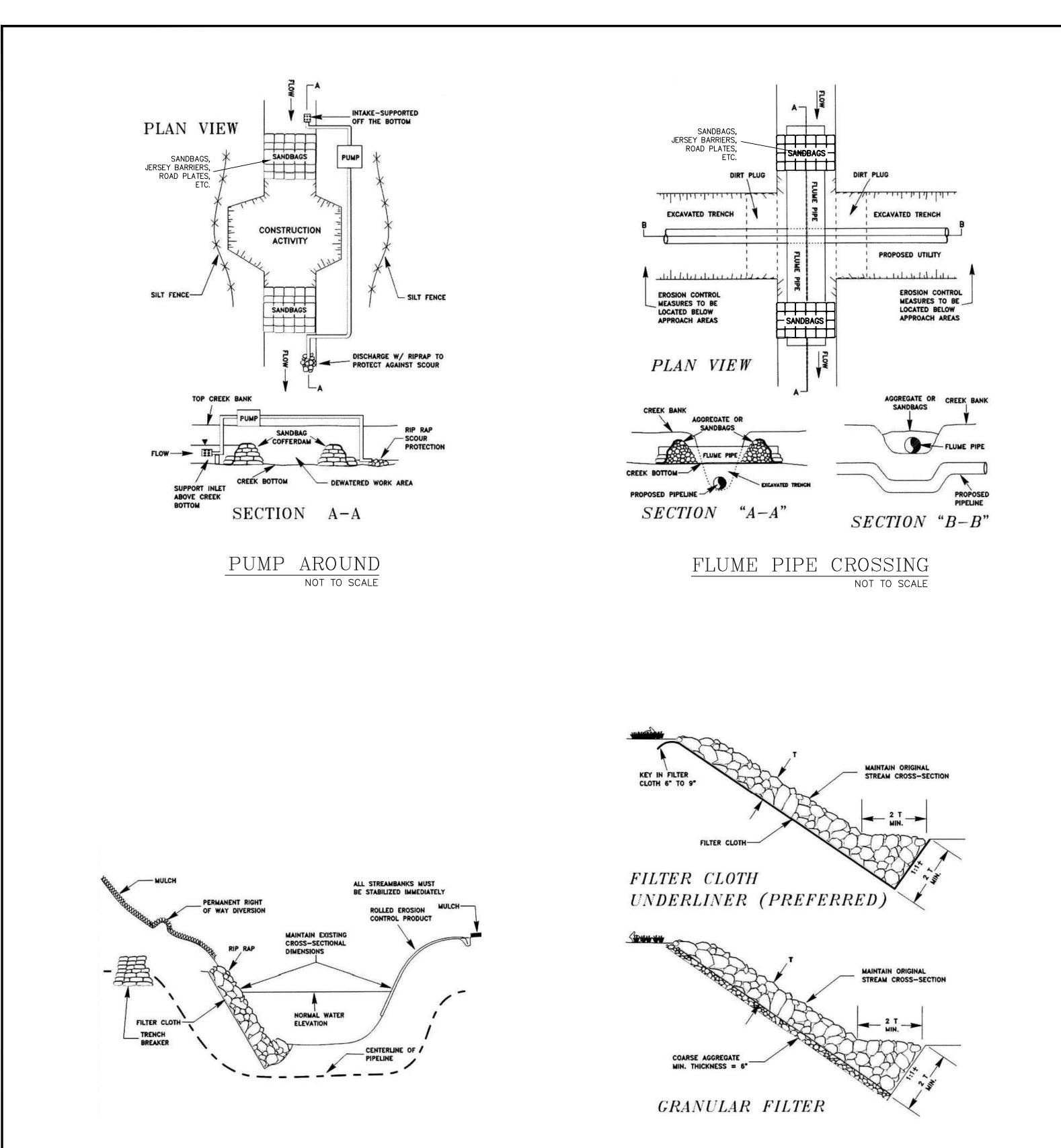
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# NOT TO SCALE

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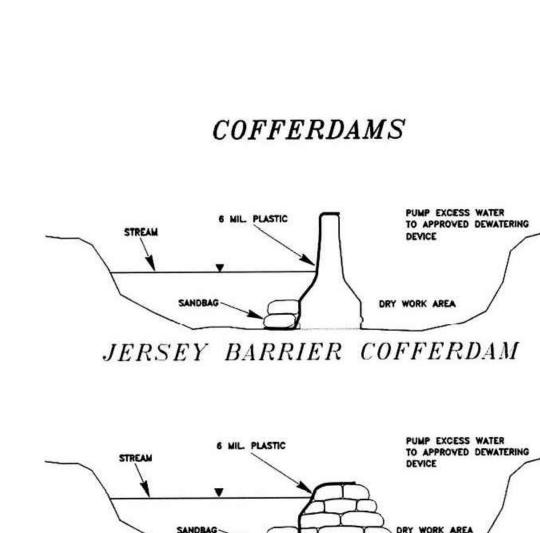
"E"SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE

**EROSION AND SEDIMENT CONTROL DETAILS** 4 OF 5 ACP\West Virginia\Details



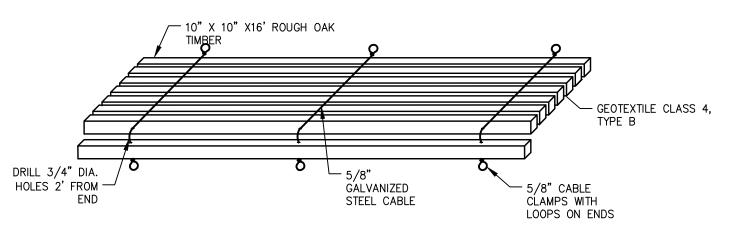
STREAM BANK STABILIZATION

NOT TO SCALE

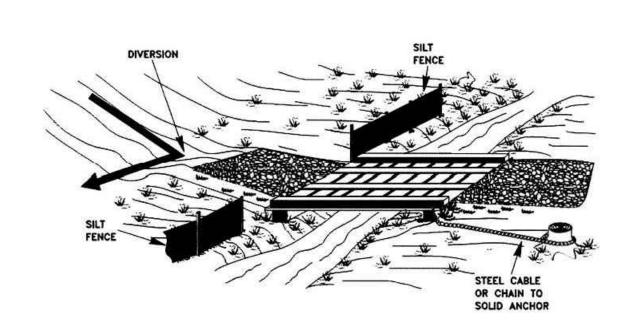




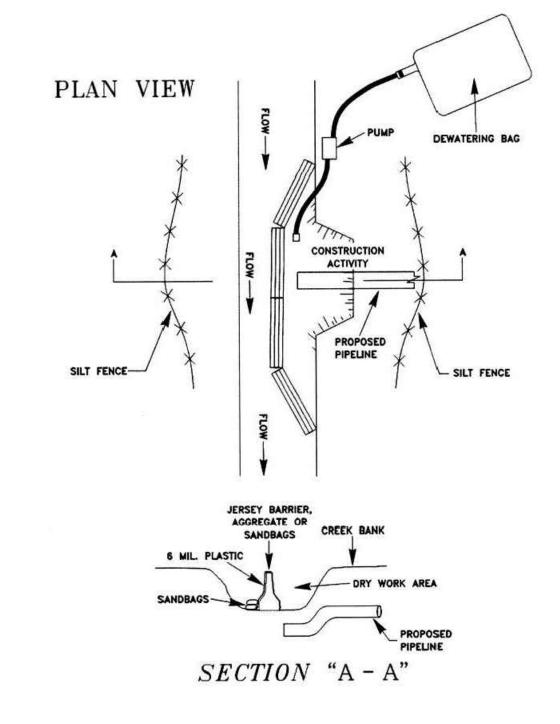
NOT TO SCALE



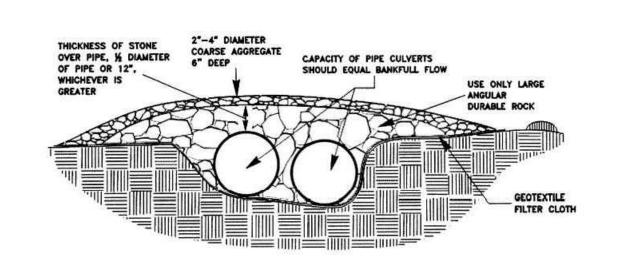
TIMBERMAT TEMPORARY WETLAND CROSSING DETAIL NOT TO SCALE

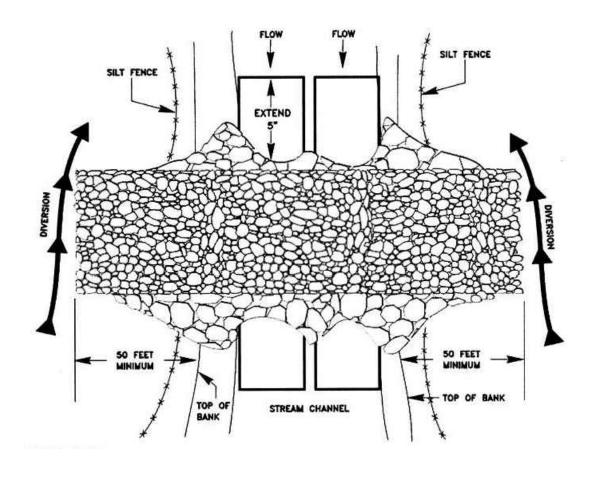


TEMPORARY BRIDGE CROSSING
NOT TO SCALE



COFFERDAM CROSSING NOT TO SCALE





CULVERT STREAM CROSSING
NOT TO SCALE

ACP\West Virginia\Details

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STREAM BANK STABILIZATION

NOT TO SCALE



ERM	Environmental Resources Management				
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ESUPPLY HEADER PROJECT - 30" TL-635 PIPELINE EROSION AND SEDIMENT CONTROL DETAILS	
EROSION AND SEDIMENT CONTROL DETAILS	SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE
	<b>EROSION AND SEDIMENT CONTROL DETAILS</b>

5 OF 5 0

#### **EROSION AND SEDIMENT CONTROL PLAN NARRATIVE**

THE EROSION AND SEDIMENT (E&S) CONTROL MEASURES FOR THE PIPELINE CONSTRUCTION ACTIVITIES PRIMARILY CONSIST OF BUT ARE NOT LIMITED TO COMPOST FILTER SOCK, BELTED SILT RETENTION FENCE, SUPER SILT FENCE, SLOPE BREAKERS, AND TEMPORARY AND PERMANENT SEEDING AND MULCHING. BEST MANAGEMENT PRACTICES (BMP) SPECIFICATIONS FOR THE E&S CONTROL PLAN (E&SCP) ARE TO BE UTILIZED BY THE CONSTRUCTION CONTRACTOR ACCORDING TO THE PROVIDED PLAN.

#### GENERAL CONSTRUCTION NOTES

- 1. DISCHARGING SEDIMENT LADEN WATER WHICH WILL CAUSE OR CONTRIBUTE TO THE DEGRADATION OF A BENEFICIAL USE OF A WATER OF THE STATE FROM THE CONSTRUCTION SITE, A DEWATERING SITE, OR SEDIMENT BASINTRAP INTO ANY SURFACE WATER WITHOUT FILTRATION OR EQUIVALENT TREATMENT IS PROHIBITED.
- 2. THE DISCHARGER SHALL AMEND THE EROSION & SEDIMENT CONTROL PLAN WHENEVER THERE IS A CHANGE IN THE CONSTRUCTION OR OPERATIONS, WHICH MAY EFFECT THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER.
- DISCHARGES ORIGINATING FROM OFF-SITE SOURCES, WHICH FLOW THROUGH OR ACROSS THE AREAS DISTURBED BY CONSTRUCTION. MAY BE DIVERTED AROUND THE ACTIVE CONSTRUCTION AREA WHENEVER POSSIBLE.
- 4. PERFORM PERMANENT OR TEMPORARY SOIL STABILIZATION WITHIN 7 DAYS WHEN SITE IS AT FINAL GRADE AND ON SITES THAT ARE NOT AT FINAL GRADE, BUT WILL REMAIN DORMANT FOR MORE THAN 14 DAYS.
- 5. DUE TO VARYING SITE CONDITIONS, ADDITIONAL SEDIMENT CONTROL BMPS MAY BE NECESSARY BEYOND THE MEASURES SHOWN ON THE E&S CONTROL PLAN.
- 6. STAGING AREAS, ASSEMBLY AREAS, TEMPORARY EQUIPMENT AND NON-HAZARDOUS MATERIAL STORAGE AREAS SHALL BE LOCATED OUTSIDE 100-YR FLOOD ZONES. HAZARDOUS MATERIAL STORAGE AREAS SHALL BE LOCATED AT LEAST 100 FEET BACK FROM SURFACE
- 7. EQUIPMENT STORAGE IN CONSTRUCTION STAGING AREAS SHALL BE LOCATED A MINIMUM OF 100 FEET AWAY FROM WETLAND EDGE.
- 8. AT MINIMUM, ALL BMPS ARE TO BE INSPECTED ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5-INCH PER 24-HOUR PERIOD DURING THE ENTIRE PROJECT. A WRITTEN REPORT MUST ALSO BE COMPLETED, DOCUMENTING EACH INSPECTION AND, IF NECESSARY, ANY REPAIR, REPLACEMENT OR MAINTENANCE ACTIVITY.
- 9. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN ON THE DRAWINGS, AND ANY OTHER WHICH IS NOT ON RECORD OR NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AT THE POINTS OF CONNECTION AND ALL UTILITY CROSSINGS TO DETERMINE EXACT LOCATIONS PRIOR TO THE START OF WORK. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ENGINEER OF RECORD IMMEDIATELY.
- ALL WORK WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE AGENCY HAVING JURISDICTION.
- 11. ALL REQUIRED PERMITS MUST BE OBTAINED PRIOR TO STARTING WORK.
- 12. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION, STABILIZATION AND MAINTENANCE OF ALL EXISTING AND PROPOSED SITE EROSION & SEDIMENTATION CONTROL DEVICES AND FACILITIES.
- 13. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING EROSION & SEDIMENTATION DEVICES AND SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE ENGINEER OF RECORD HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF ENGINEER OF RECORD.
- 14. AS SITE SPECIFIC CONDITIONS MAY WARRANT, THE E&SC PLAN MAY REQUIRE MINOR MODIFICATIONS TO ENSURE PROPER PROTECTION OF RECEIVING WATERS. THE RESPECTIVE PROJECT ENVIRONMENTAL INSPECTOR (EI) WILL IDENTIFY SITE SPECIFIC AREAS WHERE A CERTAIN BMP MODIFICATION(S) IS NECESSARY TO EITHER OMIT OR ENHANCE BMPS IN SUCH AREAS. THIS PROCESS ENTAILS THE EI TO IDENTIFY LOCATIONS WHERE BMPS WILL NEED TO BE ALTERED, SUBSTITUTED OR OMITTED AND CONTACT THE DOMINION GAS COMPLIANCE SPECIALIST TO REVIEW PROPOSED CHANGES. UPON REVIEW AND APPROVAL BY THE DOMINION COMPLIANCE SPECIALIST, THE EI WILL REDLINE, DATE, AND SIGN THE E&SCP DRAWING(S) DEPICTING THE REDLINE CHANGE(S). ONCE THIS PROCESS IS COMPLETED, THE EI WILL NOTIFY THE DEP OF SUCH MINOR MODIFICATION REDLINE AMENDMENTS AS REQUIRED BY THE GENERAL PERMIT.

#### BMP INSTALLATION AND REMOVAL SEQUENCE

GENERAL NOTES AND COMMENTS:

CONSTRUCTION MUST BE IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. THIS SEQUENCE IS DESIGNED TO MINIMIZE SOIL EROSION AND SEDIMENTATION. THE CONTRACTOR MAY DEVIATE SLIGHTLY FROM THE STAGING OF PERMANENT SITE IMPROVEMENTS, BUT NO DEVIATION FROM THE RELATIVE ORDER OF EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE ALLOWED.

THE STAGING OF EARTHMOVING ACTIVITIES FOR THIS PROJECT IS A GENERAL DESCRIPTION OF THE WORK REQUIRED. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH COMPANY STANDARDS, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS AND ALL OTHER APPLICABLE FEDERAL, STATE OR LOCAL REQUIREMENTS.

THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN INCLUDING THE SOIL EROSION CONTROL DRAWINGS AND NARRATIVE SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING EARTH DISTURBANCE.

- 1. STAKE AND/OR FLAG ALL LIMITS OF DISTURBANCE FOR CONSTRUCTION ACTIVITIES, CLEARLY IDENTIFYING WETLAND AND STREAM EDGES. INSTALL SIGNS TO DESIGNATE THE AREA TO IDENTIFY IMPORTANT PROJECT ATTRIBUTES SUCH AS WETLANDSTREAM BOUNDS, EXCLUSION AREAS ETC.
- 2. INSTALL ROCK CONSTRUCTION ENTRANCES IMMEDIATELY BEFORE INITIAL DISTURBANCES. THE ROCK CONSTRUCTION ENTRANCES TO BE UNDERLAIN BY FILTER FABRIC. ALL CONSTRUCTION TRAFFIC SHOULD USE ONLY ROCK CONSTRUCTION ENTRANCE FOR INGRESS AND EGRESS. ALL MUD OR SEDIMENT TRACKED ONTO THE EXISTING ROADWAY SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY.
- 3. INSTALL SILT FENCE AND COMPOST FILTER SOCKS AS NECESSARY ALONG THE ACCESS ROADS TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING DOWNSTREAM WATER BODIES. MAINTAIN THE ACCESS ROADS AS REQUIRED, ASSOCIATED DITCHES, AND NECESSARY
- 4. PRIOR TO AND SIMULTANEOUS WITH GRADING AND EXCAVATION, INSTALL REMAINING EROSION CONTROL DEVICES (ECD) SHOWN ON THE PLANS.
- 5. COMMENCE GRADING AND ASSOCIATED CUT AND FILL SLOPES. THE EARTH MOVING ACTIVITY SHALL BEGIN IN AREA OF CUT SO THAT THE CUTS CAN BE PLACED IN AREAS OF FILL. REMOVE TOPSOIL FROM AREAS TO RECEIVE FILL PRIOR TO FILLING.
- 6. FINALIZE UTILITY INSTALLATION AND ROADWAY GRADES AND PLACE TOPSOIL ON THE CUT AND FILL AREAS. STABILIZE CUT AND FILL SLOPES, AFTER PLACEMENT OF STOCKPILED TOPSOIL ON EXCAVATED SLOPES, AND AS DIRECTED.
- RE-DISTRIBUTION OF WET SEDIMENT FROM DEVICES AND FACILITIES SHALL ONLY BE PERMITTED UPHILL OF AN EFFECTIVE SEDIMENT CONTROL DEVICE OR FACILITY. SEDIMENT LADEN RUNOFF SHALL NOT BE ALLOWED TO FLOW DIRECTLY INTO WATER BODIES.
- 8. ANY EXPOSED TOPSOIL PILES SHOULD BE STABILIZED & SEEDED PER THE PERMIT REGULATIONS, AND BY TABLES SHOWN ON THE
- APPROVED EROSION CONTROL PLANS AND MULCHED WITH STRAW AS SPECIFIED BY THE PROJECT OWNER. 9. UPON MINIMUM 70% UNIFORM PERENNIAL VEGETATIVE GROWTH, REMOVE TEMPORARY SEDIMENT CONTROLS. REMOVE ACCUMULATED
- SEDIMENTS WITHIN THE TRAPS, RE-GRADE TRAPS TO FINAL CONTOURS. STABILIZE SITE PER THE PLANS.

#### **SEQUENCE OF CONSTRUCTION**

- 1. LIMITS OF CONSTRUCTION MUST BE FIELD MARKED PRIOR TO CLEARING, INSTALLATION OF SEDIMENT CONTROL MEASURES, CONSTRUCTION, OR OTHER LAND DISTURBING ACTIVITIES.
- 2. DETAILED SEQUENCE OF CONSTRUCTION:
- a. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- b. CLEAR AND GRADE FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES.
- c. INSTALL SEDIMENT CONTROL DEVICES.
- d. PREPARE TEMPORARY PARKING AND STORAGE AREA(S).
- e. CLEAR AND GRUB THE SITE, AS REQUIRED. f. START CONSTRUCTION OF THE SITE IMPROVEMENTS.
- g. BEGIN GRADING THE SITE.
- h. INSTALL PIPELINE.
- BACKFILL TRENCH PERFORM FINAL GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
- k. TEMPORARY SOIL STOCKPILE SHALL BE REMOVED, REGRADED, AND STABILIZED TO PRE-EXISTING CONDITIONS AT THE CONCLUSION OF THE CONSTRUCTION ACTIVITIES.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).
- A RECORD DRAWING SHALL BE PREPARED AT THE END OF CONSTRUCTION.

#### MAINTENANCE SCHEDULE

AFTER FULL REVEGETATION HAS BEEN ACHIEVED, ALL BMPS WILL BE REMOVED AND ANY LAND DISTURBED BY REMOVAL WILL BE PERMANENTLY STABILIZED. UNLESS OTHERWISE SPECIFIED, ALL MAINTENANCE MUST BE COMPLETED IMMEDIATELY AFTER AN INSPECTION IDENTIFIES THAT A BMP IS NOT FUNCTIONING AS REQUIRED.

- THE ROW AND ESC DEVICES WILL BE INSPECTED DAILY AT THE ACTIVE CONSTRUCTION SITE AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS FOR ACTIVELY DISTURBED AREAS, 14 CALENDAR DAYS FOR RESTORED AREAS, AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN ONE-HALF-INCH PER 24-HOUR PERIOD.
- SEDIMENT MUST BE REMOVED WHERE ACCUMULATION REACHES ONE-HALF THE ABOVE GROUND HEIGHT OF THE CONTROL MEASURE.
- EROSION CONTROL MEASURES, WHICH HAVE BEEN UNDERMINED OR TOPPED, SHALL BE REPAIRED IMMEDIATELY.
- OTHER REQUIRED REPAIRS OR MAINTENANCE SHALL BE MADE IMMEDIATELY.
- TEMPORARY AND PERMANENT E&S CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

#### MATERIAL WASTE HANDLING AND RECYCLING

- 1. SOLID WASTE DISPOSAL SHALL BE HANDLED THROUGH ONE OF THE LOCAL LICENSED WASTE MANAGEMENT PROVIDERS AND PERMITTED DISPOSAL FACILITIES. THE CONTRACTOR WILL PROVIDE MOBILE AND COVERED WASTE RECEPTICLES AS NEEDED ALONG THE PROJECT LIMITS. CONTRACTOR SHALL ALSO PROVIDE A COVERED DUMPSTER FOR CONSOLIDATION OF WASTE FOR PICK UP AND DISPOSAL FOR THE DURATION OF THE PROJECT. ALL SOLID WASTE SHALL BE DISPOSED OF AT A LICENSED PERMITTED MUNICIPAL LANDFILL.
- 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY PERMITS ANDOR DISPOSAL FEES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ASSURE THAT ALL MATERIALS AREA HANDLED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS, RULES, AND REGULATIONS, INCLUDING BUT NO LIMITED TO THOSE ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY, WVDEP, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
- 3. CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING FOR THE DURATION OF THE PROJECT INCLUDEING THE ROUTINE REMOVAL AND DISPOSAL OF SOLID WASTE.
- 4. CONTRACTOR SHALL KEEP RECORDS OF PROPER SOLID WASTE DISPOSAL AND PROVIDE COPIES TO THE EI.

#### SEEDING AND MULCHING

SEE SEED MIXES, SOIL AMENDMENTS, AND MULCH SPECIFICATIONS SPECIFIED IN THE SHP RESTORATION AND REHABILITATION PLAN.

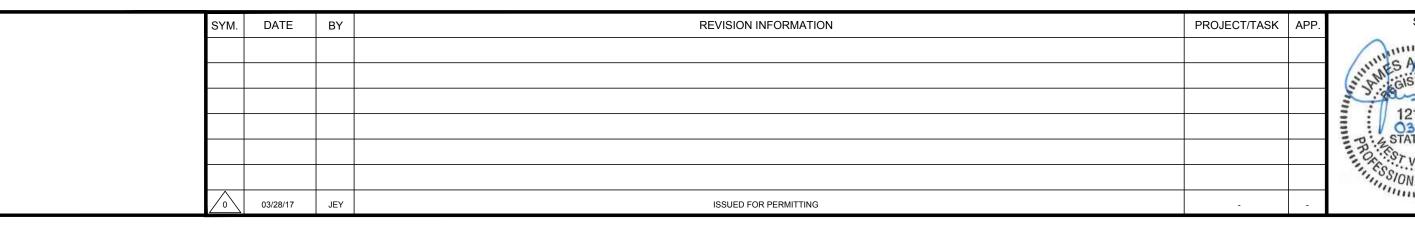
- 1. SEEDBED PREPARATION: AREAS TO BE SEEDED SHALL BE DISKED TO A DEPTH OF 4-IN TO 6-IN WHENEVER FEASIBLE, AND SMOOTHLY GRADED.
- 2. IN TOPSOILED AREAS, SOIL TO BE REDISTRIBUTED EVENLY AND STABILIZED PRIOR TO SEEDING.
- 3. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 21 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
- 4. WHERE THE INITIATION OF STABILIZATION MEASURES WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW
- 5. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED (e.g., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 21 DAYS). THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
- 6. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS, SEEDING AND MULCHING MUST BE RE-SEEDED IMMEDIATELY, OR AS SOON AS WEATHER PERMITS.

#### **POLLUTANT CONTROLS**

- REPORTABLE SPILLS OCCURRING DURING CONSTRUCTION, OPERATION AND MAINTENANCE ARE TO BE REPORTED IMMEDIATELY TO THE MONITORING CENTER AT 1-800-835-7191. DOMINION'S ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT WILL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE AGENCIES, EXCEPT AS PROVIDED FOR BELOW.
- ANY FACILITY OWNER/OPERATOR WHO IS SUBJECT TO THE SPCC RULE MUST COMPLY WITH THE REPORTING REQUIREMENTS FOUND IN 40 CFR 112.4. A DISCHARGE MUST BE REPORTED TO THE EPA REGIONAL ADMINISTRATOR (RA) WHEN THERE IS A DISCHARGE OF:
- MORE THAN 1,000 GALLONS OF OIL IN A SINGLE DISCHARGE TO NAVIGABLE WATERS OR ADJOINING SHORELINES,
- MORE THAN 42 GALLONS OF OIL IN EACH OF TWO DISCHARGES TO NAVIGABLE WATERS OR ADJOINING SHORELINES OCCURRING WITHIN ANY TWELVE-MONTH PERIOD.
- REPORTABLE SPILLS FOR THE WV DEP INCLUDE ANY SPILL THAT PRODUCES A VISIBLE SHEEN ON THE SURFACE OF THE WATER.
- IF A DOMINION REPRESENTATIVE CANNOT BE PROMPTLY CONTACTED AND THE SPILL HAS IMPACTED WATER, THE PERSON DISCOVERING THE SPILL OR RELEASE WILL CONTACT THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 AND THE WVDEP SPILL HOTLINE AT 1-800-642-3074 AND REPORT THE RELEASE. THAT PERSON WILL CONTINUE CALLING DOMINION UNTIL A REPRESENTATIVE IS REACHED.

#### INCORPORATION OF STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

THE CONTRACTOR SHALL BE READILY FAMILIAR WITH AND MAINTAIN ON SITE FOR IMMEDIATE REFERENCE TO THE PROJECT SWPPP. THE REQUIREMENTS OF THE SWPPP PROVIDE ADDITIONAL DETAIL AND INFORMATION BEYOND THE PRJECT NOTES AND DETAILS. THE PERFORMANCE REQUIREMENTES OF THE SWPPP ARE INCORPORATED AND MADE PART OF THESE PLANS.





Environmental Resources **ERM** Management 03/28/2017 JEY CHECKED: JH 03/28/2017 APP. FOR BID: APP. FOR CONST. DIR/FILE: AS NOTED

DOMINION TRANSMISSION, INC

925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TLE: SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE

**EROSION AND SEDIMENT CONTROL NOTES** STATE: WV DISTRICT:

ACP\West Virginia\Details

Barrier#	Slope Length (ft)	Slope %	Barrier Type
2.01	55	9%	BSRF
2.02	45	22%	BSRF
2.03	60	17%	BSRF
2.04	50	30%	BSRF
2.05	80	13%	BSRF
2.06	100	20%	BSRF
2.07	100	25%	BSRF
2.08	100	46%	SSF
2.09	170	29%	BSRF
2.10	150	31%	BSRF
2.11	100	42%	SSF
2.12	140	31%	BSRF
2.13	80	25%	BSRF
2.14	100	40%	SSF

SHEET 02

Barrier #	Slope Length (ft)	Slope %	Barrier Type
3.01	105	33%	BSRF
3.02	100	50%	SSF
3.03	20	10%	BSRF
3.04	120	2%	BSRF
3.05	35	29%	BSRF
3.06	30	13%	BSRF
3.07	105	50%	SSF
3.08	140	29%	BSRF
3.09	115	26%	BSRF
3.10	150	40%	SSF
3.11	80	50%	SSF
3.12	70	29%	BSRF
3.13	100	44%	SSF
3.14	90	22%	BSRF
3.15	75	20%	BSRF
3.16	220	48%	SSF

SHEET 03

Barrier#	Slope Length (ft)	Slope %	Barrier Type
4.01	60	33%	BSRF
4.02	170	41%	SSF
4.03	80	38%	SSF
4.04	115	48%	SSF
4.05	75	27%	BSRF
4.06	105	43%	SSF
4.07	135	22%	BSRF
4.08	120	29%	BSRF
4.09	40	25%	BSRF
4.10	100	40%	SSF
4.11	90	33%	BSRF
4.12	40	13%	BSRF
4.13	120	17%	BSRF
4.14	70	31%	BSRF

SHEET 04

Barrier#	Slope Length (ft)	Slope %	Barrier Type
5.01	75	33%	BSRF
5.02	145	31%	BSRF
5.03	160	41%	SSF
5.04	100	10%	BSRF
5.05	30	17%	BSRF
5.06	30	17%	BSRF
5.07	90	33%	BSRF
5.08	100	35%	SSF
5.09	60	33%	BSRF
5.10	90	33%	BSRF
5.11	70	21%	BSRF
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SHEET 05

Barrier#	Slope Length (ft)	Slope %	Barrier Type		
6.01	120	8%	BSRF		
6.02	125	28%	BSRF		
6.03	100	50%	SSF		
6.04	200	20%	BSRF		
6.05	90	17%	BSRF		
6.06	150	23%	BSRF		
6.07	90	26%	BSRF		
6.08	200	38%	SSF		
6.09	200	38%	SSF		
6.10	40	13%	BSRF		
6.11	100	50%	SSF		
6.12	50	4%	BSRF		
6.13	75	33%	BSRF		
6.14	150	33%	BSRF		
6.15	150	31%	BSRF		
SHEET OS					

SHEET 06

Barrier#	Slope Length (ft)	Slope %	Barrier Type
7.01	100	10%	BSRF
7.02	120	8%	BSRF
7.03	50	20%	BSRF
7.04	90	22%	BSRF
7.05	100	40%	SSF
7.06	135	19%	BSRF
7.07	145	17%	BSRF
7.08	90	33%	BSRF
7.09	100	30%	BSRF
7.10	130	12%	BSRF
7.11	100	33%	BSRF
7.12	85	29%	BSRF
7.13	105	33%	BSRF
7.14	100	33%	BSRF
	SHEE	$T 0\overline{7}$	

Barrier#	Slope Length (ft)	Slope %	Barrier Type
8.01	100	45%	SSF
8.02	100	5%	BSRF
8.03	90	22%	BSRF
8.04	170	19%	BSRF
8.05	150	20%	BSRF
8.06	130	27%	BSRF
8.07	110	32%	BSRF
8 08	125	28%	RSRE

Barrier #	Slope Length (ft)	Slope %	Barrier Type	
9.01	145	33%	BSRF	
9.02	130	27%	BSRF	
9.03	100	50%	SSF	
9.04	100	10%	BSRF	
9.05	90	44%	SSF	
9.06	35	14%	BSRF	
9.07	80	33%	BSRF	
9.08	80	31%	BSRF	
9.09	160	16%	BSRF	
9.10	50	20%	BSRF	
SHEET 09				

Slope Length (ft) Slope % Barrier Type 10.01 BSRF 19% 10.02 14% 140 BSRF 10.03 100 SSF 50% 10.04 75 BSRF 33% 10.05 100 40% SSF 10.06 100 40% SSF BSRF 10.07 150 33% BSRF 10.08 150 33% 10.09 110 50% SSF 10.10 90 BSRF 11% 10.11 BSRF 80 25% SSF 10.12 100 45% 50 10.13 30% BSRF 10.14 BSRF 60 25% 10.15 30 17% BSRF 10.16 33% 40 BSRF

SHEET 10

Barrier#	Slope Length (ft)	Slope %	Barrier Type
11.01	90	33%	BSRF
11.02	90	28%	BSRF
11.03	90	22%	BSRF
11.04	45	33%	BSRF
11.05	65	23%	BSRF
11.06	105	29%	BSRF
11.07	150	23%	BSRF
11.08	100	20%	BSRF
11.09	100	45%	SSF
11.10	150	17%	BSRF
11.11	45	11%	BSRF
11.12	45	22%	BSRF
11.13	100	32%	BSRF

SHEET 11

Barrier #	Slope Length (ft)	Slope %	Barrier Type
12.01	50	20%	BSRF
12.02	60	17%	BSRF
12.03	100	30%	BSRF
12.04	100	30%	BSRF
12.05	65	31%	BSRF
12.06	120	29%	BSRF
12.07	85	29%	BSRF
12.08	100	20%	BSRF
12.09	90	17%	BSRF
12.10	115	26%	BSRF
12.11	50	20%	BSRF

SHEET 12

Barrier#	Slope Length (ft)	Slope %	Barrier Type	
13.01	50	30%	BSRF	
13.02	100	25%	BSRF	
13.03	120	21%	BSRF	
13.04	90	17%	BSRF	
13.05	90	17%	BSRF	
13.06	90	28%	BSRF	
13.07	60	25%	BSRF	
13.08	115	22%	BSRF	
13.09	150	23%	BSRF	
13.10	140	25%	BSRF	
13.11	120	33%	BSRF	
OHDDM 40				

SHEET 13

Barrier#	Slope Length (ft)	Slope %	Barrier Type
14.01	110	27%	BSRF
14.02	110	9%	BSRF
14.03	100	20%	BSRF
14.04	100	25%	BSRF
14.05	50	30%	BSRF
14.06	100	30%	BSRF
14.07	110	14%	BSRF
14.08	150	23%	BSRF

SHEET 14

Barrier#	Slope Length (ft)	Slope %	Barrier Type	
15.01	110	18%	BSRF	
15.02	130	23%	BSRF	
15.03	100	30%	BSRF	
15.04	100	45%	SSF	
15.05	100	50%	SSF	
15.06	100	33%	BSRF	
15.07	100	33%	BSRF	
15.08	30	17%	BSRF	
15.09	110	32%	BSRF	
15.10	140	25%	BSRF	
15.11	50	20%	BSRF	
15.12	100	30%	BSRF	
15.13	120	17%	BSRF	
15.14	150	37%	SSF	
OIIDDM 15				

SHEET 15

Barrier#	Slope Length (ft)	Slope %	Barrier Type
16.01	110	48%	SSF
16.02	105	43%	SSF
16.03	100	50%	SSF
16.04	90	11%	BSRF
16.05	100	40%	SSF
16.06	100	30%	BSRF
16.07	80	25%	BSRF
16.08	90	50%	SSF
16.09	30	17%	BSRF
16.10	100	20%	BSRF
16.11	100	50%	SSF
16.12	100	50%	SSF
16.13	50	30%	BSRF
16.14	20	10%	BSRF
16.15	20	10%	BSRF
16.16	100	30%	BSRF
16.17	200	33%	BSRF
16.18	150	30%	BSRF
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SHEET 16

Barrier#	Slope Length (ft)	Slope %	Barrier Type
17.01	95	26%	BSRF
17.02	120	21%	BSRF
17.03	90	28%	BSRF
17.04	150	27%	BSRF
17.05	120	29%	BSRF
17.06	200	25%	BSRF
17.07	200	40%	SSF
17.08	200	30%	BSRF

SHEET 17

Barrier #	Slope Length (ft)	Slope %	Barrier Type
18.01	150	33%	BSRF
18.02	180	31%	BSRF
18.03	240	40%	SSF
18.04	140	29%	BSRF
18.05	120	25%	BSRF
18.06	40	25%	BSRF
18.07	40	25%	BSRF
18.08	40	25%	BSRF
18.09	90	50%	SSF
18.10	100	25%	BSRF
18.11	100	10%	BSRF
18.12	100	40%	SSF
18.13	100	30%	BSRF

SHEET 18

GENERAL NOTES AND COMMENTS:	SYM.	DATE	BY REVISION INFORMATION	PROJECT/TASK	APP.	Г
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		03/28/2017	JEY ISSUED FOR PERMITTING	-	-	1



ERM	Environmental Resources Management		DO
AWN:	JEY	03/28/2017	
ECKED:	JH	03/28/2017	TITLE: SL
P. FOR BID:			
P. FOR CONST.:			DISTRICT:
ALE:	AS NOTED		DIR/FILE:

## DOMINION TRANSMISSION, INC

925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TITLE: SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE **EROSION AND SEDIMENT CONTROL TABLES** 

1 OF 2 0 ACP\West Virginia\Details

Barrier#	Slope Length (ft)	Slope %	Barrier Type
19.01	120	17%	BSRF
19.02	120	7%	BSRF
19.03	120	5%	BSRF
19.04	200	21%	BSRF
19.05	40	33%	BSRF
19.06	120	3%	BSRF
19.07	200	5%	BSRF
19.08	70	14%	BSRF
19.09	80	50%	SSF
19.10	140	18%	BSRF
19.11	100	25%	BSRF
19.12	60	25%	BSRF
19.13	65	31%	BSRF

SHEET 19

Barrier#	Slope Length (ft)	Slope %	Barrier Type
20.01	85	29%	BSRF
20.02	110	23%	BSRF
20.03	45	33%	BSRF
20.04	120	21%	BSRF

SHEET 20

Barrier#	Slope Length (ft)	Slope %	Barrier Type
21.01	95	21%	BSRF
21.02	140	29%	BSRF
21.03	100	25%	BSRF
21.04	100	25%	BSRF
21.05	100	50%	SSF
21.06	200	8%	BSRF
21.07	80	6%	BSRF
21.08	30	13%	BSRF
21.09	100	50%	SSF
21.10	160	28%	BSRF
21.11	60	25%	BSRF
21.12	60	33%	BSRF
21.13	70	21%	BSRF
21.14	115	30%	BSRF
21.15	100	25%	BSRF

SHEET 21

Barrier#	Slope Length (ft)	Slope %	Barrier Type
22.01	130	27%	BSRF
22.02	90	28%	BSRF
22.03	60	25%	BSRF
22.04	90	33%	BSRF

SHEET 22

Barrier#	Slope Length (ft)	Slope %	Barrier Type
23.01	40	25%	BSRF
23.02	80	31%	BSRF
23.03	80	19%	BSRF
23.04	140	21%	BSRF
23.05	70	29%	BSRF
23.06	95	21%	BSRF
23.07	100	25%	BSRF
23.08	130	31%	BSRF
23.09	100	50%	SSF
23.10	70	7%	BSRF
23.11	110	41%	SSF
23.12	90	28%	BSRF
23.13	170	21%	BSRF
23.14	50	30%	BSRF

SHEET 23

Barrier#	Slope Length (ft)	Slope %	Barrier Type
24.01	100	30%	BSRF
24.02	30	33%	BSRF
24.03	100	30%	BSRF
24.04	60	25%	BSRF
24.05	75	40%	SSF
24.06	80	25%	BSRF
24.07	90	33%	BSRF

SHEET 24

Barrier#	Slope Length (ft)	Slope %	Barrier Type
25.01	80	31%	BSRF
25.02	70	29%	BSRF
25.03	100	50%	SSF
25.04	20	10%	BSRF
25.05	20	10%	BSRF
25.06	20	10%	BSRF
25.07	20	10%	BSRF
25.08	20	20%	BSRF
25.09	20	10%	BSRF
25.10	100	50%	SSF
25.11	140	39%	SSF
25.12	180	28%	BSRF
25.13	110	32%	BSRF
25.14	100	50%	SSF
25.15	20	10%	BSRF
25.16	20	20%	BSRF
25.17	20	20%	BSRF
25.18	20	10%	BSRF
25.19	100	40%	SSF

SHEET 25

Barrier #	Slope Length (ft)	Slope %	Barrier Type
26.01	120	38%	SSF
26.02	80	31%	BSRF
26.03	80	25%	BSRF
26.04	100	30%	BSRF
26.05	185	43%	SSF
26.06	85	29%	BSRF
26.07	80	31%	BSRF
26.08	80	31%	BSRF
26.09	60	33%	BSRF
26.10	60	33%	BSRF
26.11	40	15%	BSRF
26.12	80	44%	SSF
26.13	70	14%	BSRF
26.14	80	50%	SSF
26.15	60	33%	BSRF

SHEET 26

Barrier#	Slope Length (ft)	Slope %	Barrier Type
27.01	90	39%	SSF
27.02	90	33%	BSRF
27.03	100	50%	SSF
27.04	60	17%	BSRF
27.05	60	25%	BSRF
27.06	95	42%	SSF
27.07	60	33%	BSRF
27.08	160	28%	BSRF
27.09	90	33%	BSRF
27.10	60	33%	BSRF
27.11	80	31%	BSRF
27.12	60	50%	SSF
27.13	105	43%	SSF
27.14	105	33%	BSRF
27.15	90	22%	BSRF
27.16	100	20%	BSRF
27.17	105	38%	SSF
27.18	135	37%	SSF

SHEET 27

Barrier#	Slope Length (ft)	Slope %	Barrier Type
28.01	70	43%	SSF
28.02	70	50%	SSF
28.03	100	50%	SSF
28.04	100	50%	SSF
28.05	100	50%	SSF
28.06	100	50%	SSF
28.07	140	32%	BSRF
28.08	50	30%	BSRF
28.09	120	50%	SSF

SHEET 28

Barrier #	Slope Length (ft)	Slope %	Barrier Type
29.01	105	43%	SSF
29.02	60	25%	BSRF
29.03	60	42%	SSF
29.04	50	40%	SSF
29.05	65	31%	BSRF
29.06	60	33%	BSRF
29.07	105	38%	SSF
29.08	100	30%	BSRF

SHEET 29

Barrier #	Slope Length (ft)	Slope %	Barrier Type
30.01	120	33%	BSRF
30.02	200	5%	BSRF
30.03	175	6%	BSRF
30.04	60	33%	BSRF
30.05	100	50%	SSF
30.06	100	15%	BSRF
30.07	115	28%	BSRF
30.08	100	40%	SSF
30.09	100	50%	SSF
30.10	100	50%	SSF
30.11	60	10%	BSRF
30.12	80	38%	SSF
30.13	65	8%	BSRF
30.14	160	16%	BSRF
30.15	20	20%	BSRF
30.16	75	27%	BSRF
30.17	100	50%	SSF
30.18	80	50%	SSF
30.19	100	33%	BSRF

SHEET 30

Barrier#	Slope Length (ft)	Slope %	Barrier Type
31.01	70	29%	BSRF
31.02	80	19%	BSRF
31.03	100	15%	BSRF
31.04	100	10%	BSRF
31.05	100	15%	BSRF
31.06	40	25%	BSRF
31.07	200	8%	BSRF
31.08	130	19%	BSRF
31.09	100	50%	SSF
31.10	60	25%	BSRF
31.11	100	15%	BSRF
31.12	170	24%	BSRF

SHEET 31

Barrier#	Slope Length (ft)	Slope %	Barrier Type
32.01	95	38%	SSF
32.02	105	19%	BSRF
32.03	140	46%	SSF
32.04	100	50%	SSF
32.05	70	9%	BSRF
32.06	110	50%	SSF
32.07	125	40%	SSF
32.08	100	50%	SSF
32.09	100	50%	SSF
32.10	165	45%	SSF
32.11	120	29%	BSRF
32.12	120	21%	BSRF
	32.01 32.02 32.03 32.04 32.05 32.06 32.07 32.08 32.09 32.10 32.11	32.01     95       32.02     105       32.03     140       32.04     100       32.05     70       32.06     110       32.07     125       32.08     100       32.09     100       32.10     165       32.11     120	32.01     95     38%       32.02     105     19%       32.03     140     46%       32.04     100     50%       32.05     70     9%       32.06     110     50%       32.07     125     40%       32.08     100     50%       32.09     100     50%       32.10     165     45%       32.11     120     29%

SHEET 32

Barrier#	Slope Length (ft)	Slope %	Barrier Type
33.01	130	31%	BSRF
33.02	140	29%	BSRF
33.03	140	25%	BSRF
33.04	110	50%	SSF
33.05	30	17%	BSRF
33.06	100	50%	SSF
33.07	150	30%	BSRF
33.08	90	50%	SSF
33.09	100	50%	SSF
33.10	160	16%	BSRF
33.11	40	25%	BSRF

SHEET 33

GENERAL NOTES AND COMMENTS:	SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK APP.
	0	03/28/2017	JEY	ISSUED FOR PERMITTING	



ERM	Environme Resources Manageme	DO	
DRAWN:	JEY	03/28/2017	
CHECKED:	JH	03/28/2017	TITLE: SL
APP. FOR BID:			
APP. FOR CONST.:			DISTRICT:
SCALE:	AS NOTED		DIR/FILE:

# DOMINION TRANSMISSION, INC

925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

"LE:SUPPLY HEADER PROJECT - 30" TL-635 PIPELINE

EROSION AND SEDIMENT CONTROL TABLES									
DISTRICT: _	COUNTY:	STATE: WV	GROUP	DWG. NO.	REV.				
DIR/FILE: A	CP\West Virginia\Details	-	2 OF 2	0					