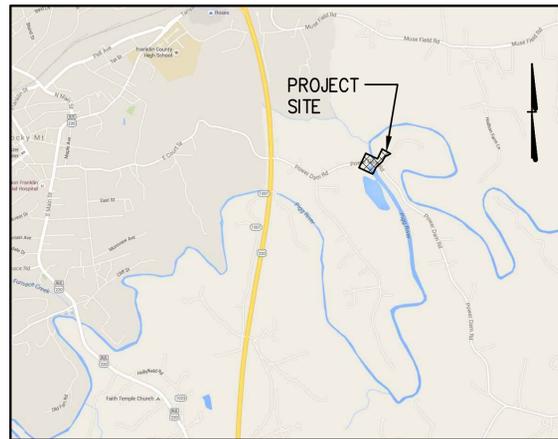


PIGG RIVER POWER DAM REMOVAL SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN FOR TEMPORARY STOCKPILES

TAX PARCEL ID: 0630020401 & 0630020501
FRANKLIN COUNTY, VIRGINIA

SHEET LIST:

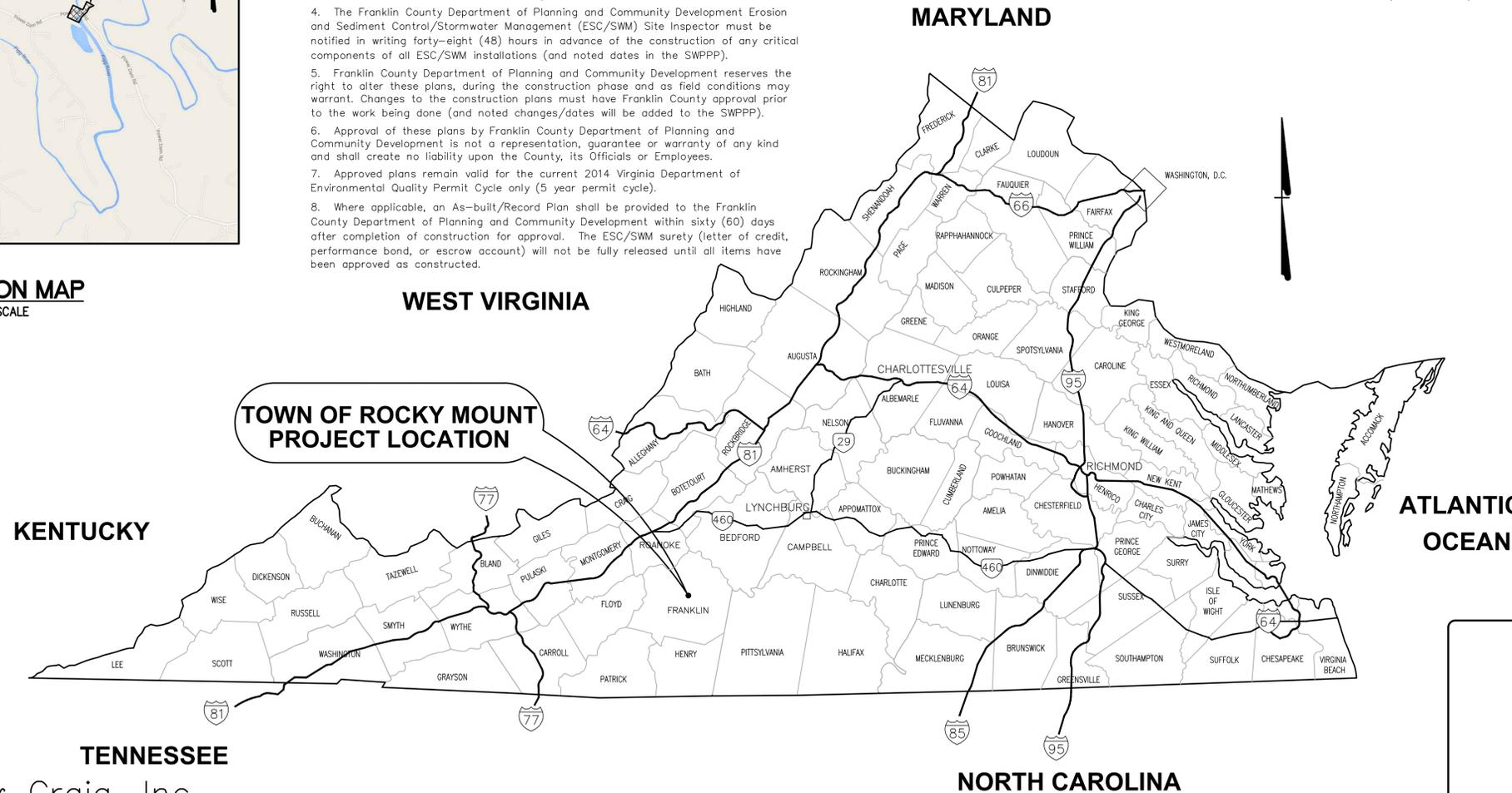
- 1 COVER SHEET
- L1.1 LAND OWNERSHIP AND FLOOD LIMITS (BY HILL STUDIO)
- L1.2 SITE PLAN (BY HILL STUDIO)
- EC-1 EROSION AND SEDIMENT CONTROL PLAN
- EC-2 EROSION AND SEDIMENT CONTROL DETAILS
- EC-3 EROSION AND SEDIMENT CONTROL NARRATIVE
- EC-4 EROSION AND SEDIMENT CONTROL STATEMENT OF COMPLIANCE (MS-19)



LOCATION MAP
NO SCALE

STANDARD FRANKLIN COUNTY CONSTRUCTION NOTES

1. Franklin County Case # 14901.
2. The Franklin County Department of Planning and Community Development must be notified in writing five (5) business days prior to commencing with construction to schedule a pre-construction meeting. See the Sequence of Construction for details. Failure to do so constitutes a violation of the approved plans.
3. The Registered Land Disturber (RLD) or their site representative will be required to maintain and update the Stormwater Pollution Prevention Plan (SWPPP) as necessary. The SWPPP must remain available for inspection at all times.
4. The Franklin County Department of Planning and Community Development Erosion and Sediment Control/Stormwater Management (ESC/SWM) Site Inspector must be notified in writing forty-eight (48) hours in advance of the construction of any critical components of all ESC/SWM installations (and noted dates in the SWPPP).
5. Franklin County Department of Planning and Community Development reserves the right to alter these plans, during the construction phase and as field conditions may warrant. Changes to the construction plans must have Franklin County approval prior to the work being done (and noted changes/dates will be added to the SWPPP).
6. Approval of these plans by Franklin County Department of Planning and Community Development is not a representation, guarantee or warranty of any kind and shall create no liability upon the County, its Officials or Employees.
7. Approved plans remain valid for the current 2014 Virginia Department of Environmental Quality Permit Cycle only (5 year permit cycle).
8. Where applicable, an As-built/Record Plan shall be provided to the Franklin County Department of Planning and Community Development within sixty (60) days after completion of construction for approval. The ESC/SWM surety (letter of credit, performance bond, or escrow account) will not be fully released until all items have been approved as constructed.



**TOWN OF ROCKY MOUNT
PROJECT LOCATION**

OWNER:
FRIENDS OF THE RIVERS OF VIRGINIA, INC.
P.O. 1750
ROANOKE, VA 24008
ATTN.: MR. BILL TANGER, CHAIRMAN
PHONE: (540) 983-6597

ENGINEER:
MATTERN & CRAIG, INC.
701 1 ST STREET, S.W.
ROANOKE, VA 24016
PHONE: (540) 345-9342
FAX: (540) 345-7691
CONTACT: TOM AUSTIN, P.E.
E-MAIL: WTAUSTIN@MATTERNANDCRAIG.COM



Revisions	Date	Issue
1	12/17/15	ADDRESS FRANKLIN CO. COMMENTS

Issue Date: **OCT. 23, 2015**
Drawn By: ARB
Designed By: WTA/ARB
Checked By: WTA
Date: 10/23/15

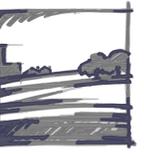
Mattern & Craig
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PIGG RIVER POWER DAM REMOVAL SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN FOR TEMPORARY STOCKPILES
COVER SHEET
FRANKLIN COUNTY, VIRGINIA

Vertical Scale: N/A
Horizontal Scale: N/A
Commission Number: 3505

Sheet No.: **1**

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**HILL
STUDIO**

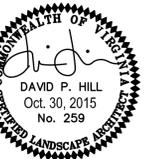
Community Planning
Landscape Architecture
Architecture
Historic Preservation

120 W. Campbell Ave. SW
Roanoke, VA 24011

tel: 540-342-5263
fax: 540-345-5625

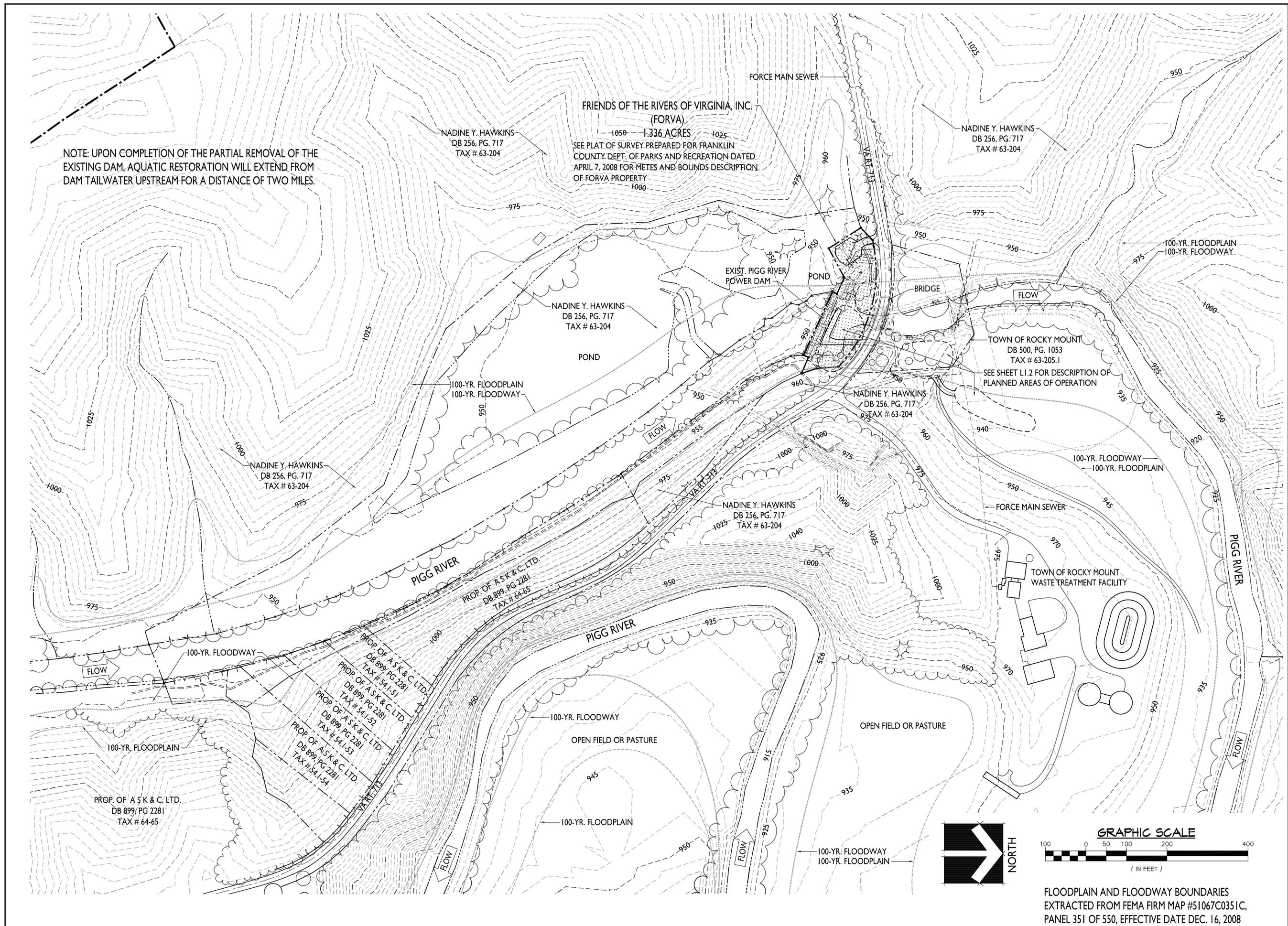
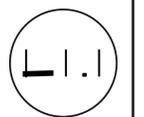
www.hillstudio.com

**PIGG RIVER RESTORATION AT POWER DAM
LAND OWNERSHIP AND FLOOD LIMITS
ROCKY MOUNT, VIRGINIA**



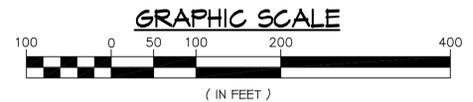
Date: OCT. 30, 2015
Scale: AS SHOWN
Revision:

Drawn By:
Review By:
Project No. 1519



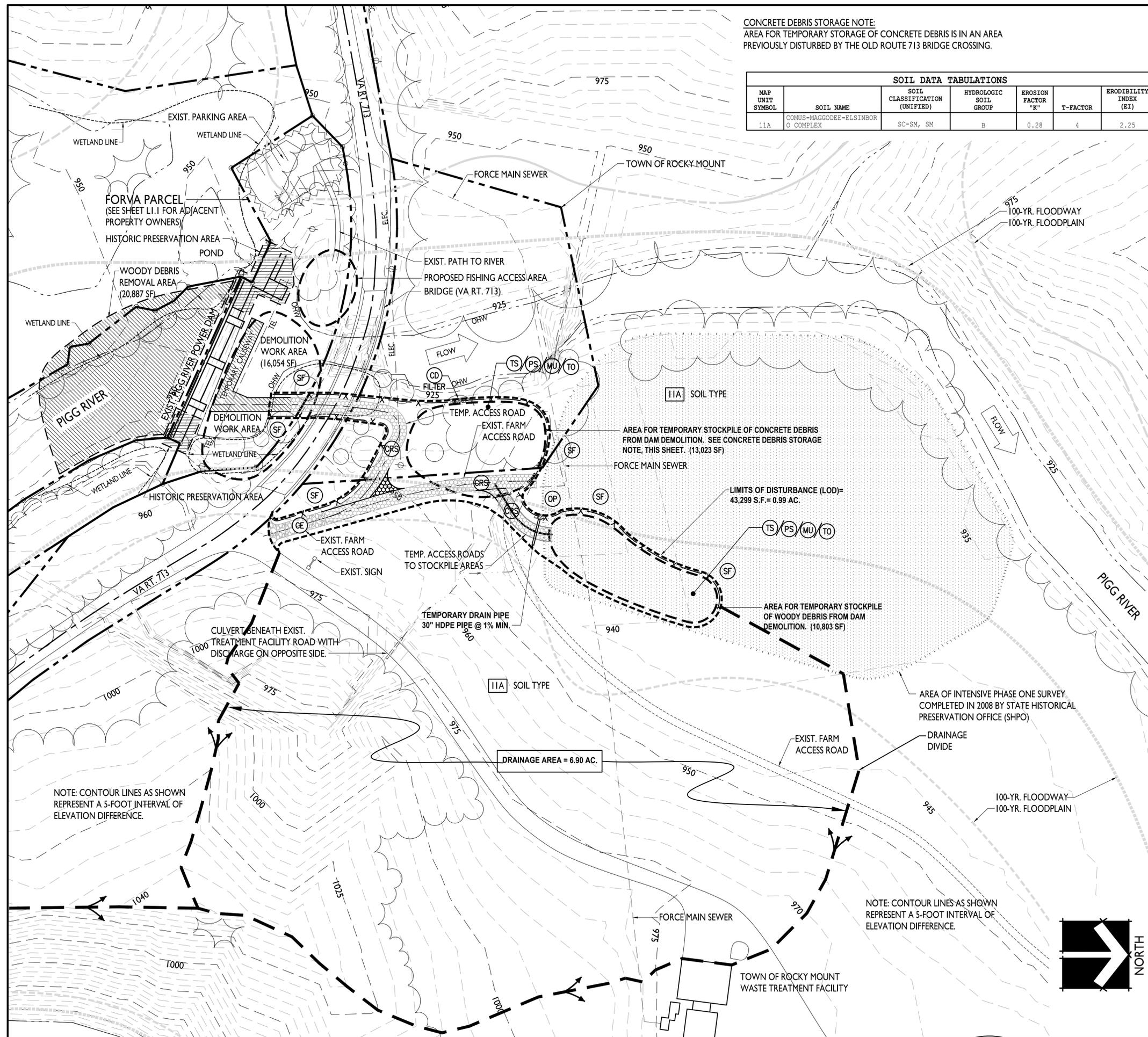
NOTE: UPON COMPLETION OF THE PARTIAL REMOVAL OF THE EXISTING DAM, AQUATIC RESTORATION WILL EXTEND FROM DAM TAILWATER UPSTREAM FOR A DISTANCE OF TWO MILES.

FRIENDS OF THE RIVERS OF VIRGINIA, INC. (FORVA)
1.336 ACRES
SEE PLAT OF SURVEY PREPARED FOR FRANKLIN COUNTY DEPT. OF PARKS AND RECREATION DATED APRIL 7, 2008 FOR METES AND BOUNDS DESCRIPTION OF FORVA PROPERTY



FLOODPLAIN AND FLOODWAY BOUNDARIES EXTRACTED FROM FEMA FIRM MAP #51067C0351C, PANEL 351 OF 550, EFFECTIVE DATE DEC. 16, 2008

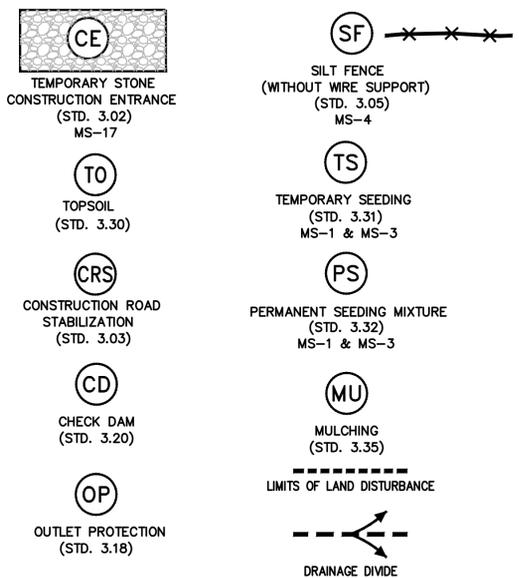
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CONCRETE DEBRIS STORAGE NOTE:
 AREA FOR TEMPORARY STORAGE OF CONCRETE DEBRIS IS IN AN AREA
 PREVIOUSLY DISTURBED BY THE OLD ROUTE 713 BRIDGE CROSSING.

SOIL DATA TABULATIONS						
MAP UNIT SYMBOL	SOIL NAME	SOIL CLASSIFICATION (UNIFIED)	HYDROLOGIC SOIL GROUP	EROSION FACTOR "K"	T-FACTOR	ERODIBILITY INDEX (EI)
11A	COMUS-MAGGODEE-ELLSINBOR O COMPLEX	SC-SM, SM	B	0.28	4	2.25

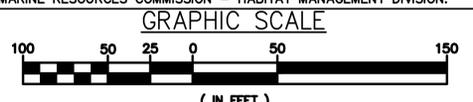
EROSION & SEDIMENT CONTROL SYMBOLS LEGEND



EROSION & SEDIMENT CONTROL NOTES:

1. THIS DRAWING IS INTENDED TO SHOW THE PERIMETER EROSION & SEDIMENT CONTROL (E&S) MEASURES REQUIRED DURING THE PERFORMANCE OF THE WORK OF THE PROJECT. REFER TO SHEET EC-2 FOR E&S MEASURE DETAILS AND SPECIFICATIONS, REFER TO SHEET EC-3 FOR THE EROSION & SEDIMENT CONTROL (E&S) NARRATIVE, AND REFER TO SHEETS EC-4 FOR GENERAL SEQUENCE OF WORK AND LISTING OF MINIMUM STANDARDS (MS-19).
2. WHERE APPLICABLE, THIS SHEET SHOWS THE DRAINAGE AREAS (DIVIDES) AND THE TOTAL AREA (IN ACRES) DRAINING TO CRITICAL E&S CONTROL MEASURES. THE AREAS DENOTED REPRESENT THE MAXIMUM AREA DRAINING TO A GIVEN MEASURE.
3. WHERE APPLICABLE, THIS DRAWING SHOWS THE TYPES AND APPROXIMATE LIMITS OF SOILS ANTICIPATED TO BE ENCOUNTERED ON THE SITE. ALL SOIL DATA IS TAKEN FROM UNITED STATES DEPARTMENT OF AGRICULTURE - NATURAL RESOURCES CONSERVATION SERVICES - NATIONAL COOPERATIVE SOIL SURVEY PUBLICATIONS. SEE E&S NARRATIVE FOR ADDITIONAL INFORMATION.
4. A CERTIFIED RESPONSIBLE LAND DISTURBER (RLD) SHALL OVERSEE AND BE INVOLVED IN ALL ASPECTS OF THE LAND DISTURBANCE ACTIVITIES (FROM INITIAL LAND DISTURBANCE THROUGH FINAL STABILIZATION). THE NAME OF THE RLD SHALL BE PROVIDED TO FRANKLIN COUNTY AT OR PRIOR TO THE PRECONSTRUCTION CONFERENCE. THIS PERSON SHALL ATTEND THE PRECONSTRUCTION CONFERENCE AND SHALL PROVIDE FRANKLIN COUNTY WITH A COPY OF HIS RLD CERTIFICATE.
5. ALL SPECIFIED AND/OR REQUIRED E&S MEASURES SHALL BE INSTALLED AND MAINTAINED IN STRICT ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS CONTAINED WITHIN THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION.
6. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
7. PERMANENT OR TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
8. TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN (14) DAYS. PERMANENT STABILIZATION MEASURES SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
9. ALL AREAS DISTURBED BY THE WORK OF THIS PROJECT SHALL BE STABILIZED BY MEANS OF PERMANENT SEEDING OR ANOTHER APPROVED STABILIZATION METHOD.
10. FOLLOWING THE COMPLETION OF SITE DEVELOPMENT CONSTRUCTION/GRADING, CONFIRMED STABILIZATION OF ALL DISTURBED AREAS, CONFIRMATION THAT EROSION OR SEDIMENTATION IS NO LONGER OCCURRING ON THE PROJECT SITE OR AT ITS BOUNDARIES, CONFIRMATION THAT DRAINAGE FLOWS ARE FUNCTIONING ACCORDING TO DESIGN, AND APPROVAL HAS BEEN GRANTED BY THE FRANKLIN COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR, THE CONTRACTOR MAY THEN BEGIN TO REMOVE THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. THIS WORK SHALL BE DONE IN A CAREFUL, NEAT, AND ORGANIZED MANNER.

NOTE: THE WORK OF THE PROJECT INCLUDES WORK IN A LIVE WATERCOURSE (THE AREA DOWNSTREAM OF THE DAM). THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SKETCHES AND DETAILS CONTAINED IN THE "JOINT PERMIT APPLICATION JPA#15-1551" AND THE TERMS AND CONDITIONS OF THE PERMITS ISSUED BY U.S. ARMY CORPS OF ENGINEERS, VIRGINIA DEPT. OF ENVIRONMENTAL QUALITY, AND THE VIRGINIA MARINE RESOURCES COMMISSION - HABITAT MANAGEMENT DIVISION.



FLOODPLAIN AND FLOODWAY BOUNDARIES EXTRACTED FROM FEMA FIRM MAP #51067C0351C, PANEL 351 OF 550, EFFECTIVE DATE DEC. 16, 2008.



Date:	12/17/15
Revisions:	1 ADDRESS FRANKLIN CO. COMMENTS

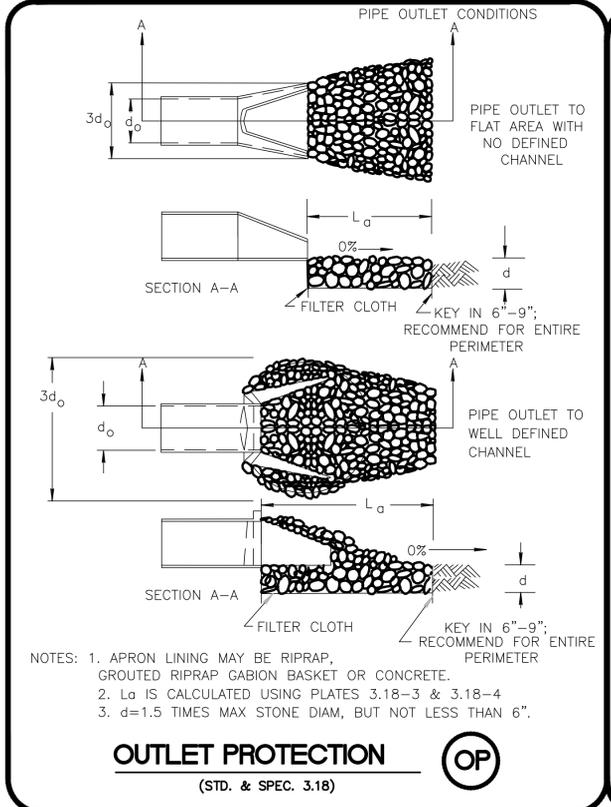
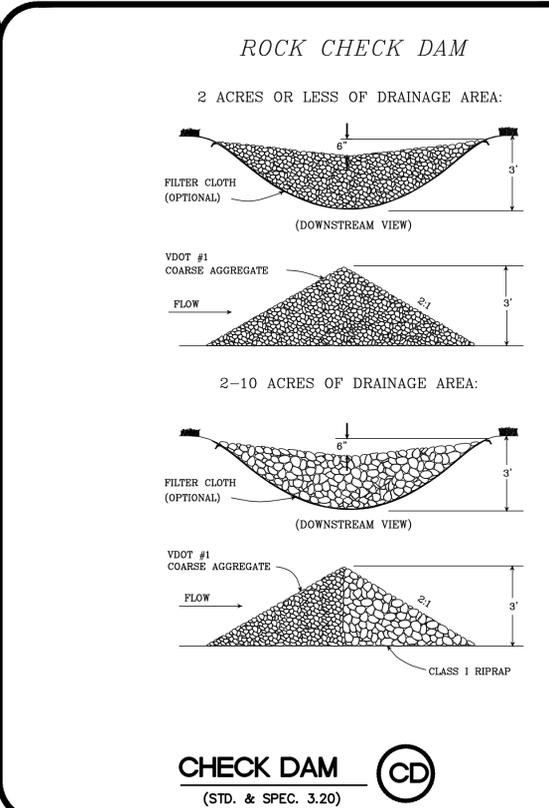
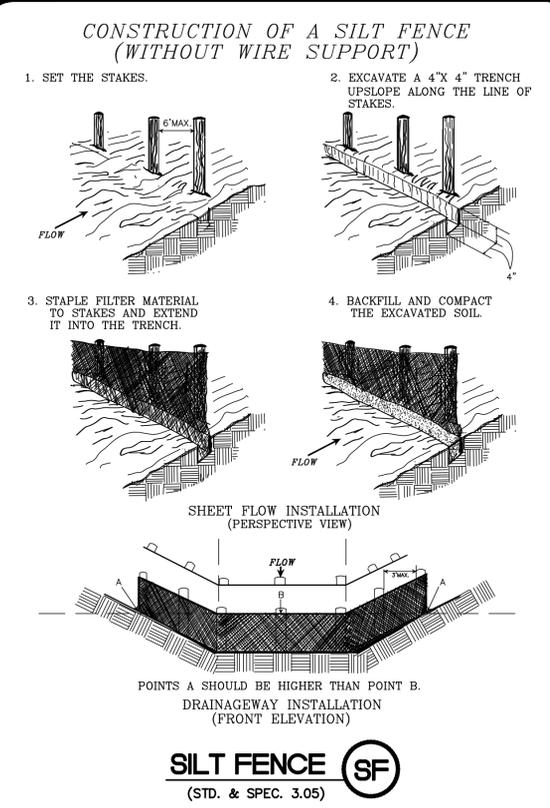
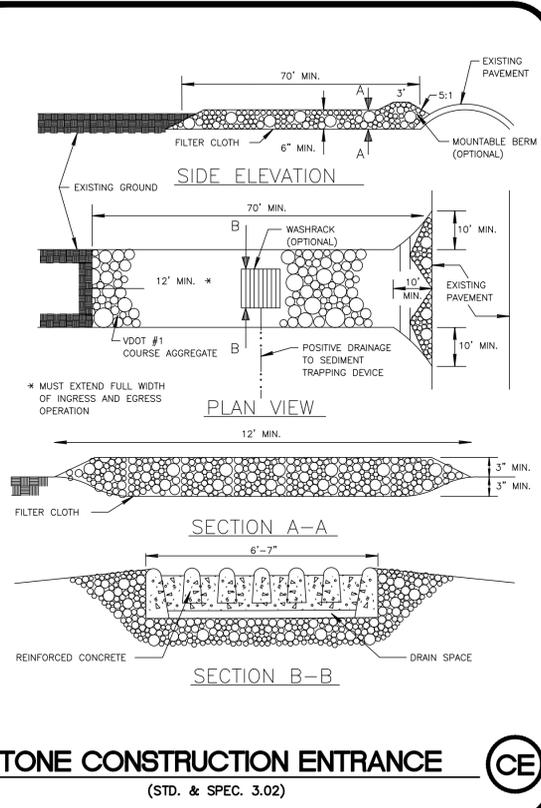
Issue Date: OCT. 23, 2015
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 Designed By: WJA/ARB
 Checked By: WJA
 Date: 10/23/15

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PIGG RIVER POWER DAM REMOVAL SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN FOR TEMPORARY STOCKPILES
EROSION AND SEDIMENT CONTROL PLAN
 FRANKLIN COUNTY, VIRGINIA

Vertical Scale: N/A
 Horizontal Scale: 1" = 50'
 Commission Number: 3505

Sheet No.: **EC-1**



TEMPORARY SEEDING MIXTURE (TS)
(STD. & SPEC. 3.31)

THE SEEDING INFORMATION PROVIDED BELOW IS FOR GENERAL COMPLIANCE WITH EROSION & SEDIMENT CONTROL REQUIREMENTS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL TECHNICAL REQUIREMENTS.

FERTILIZER: SHALL MEET REQUIREMENTS OF FEDERAL SPECIFICATION O F 241. PROVIDE FERTILIZER THAT IS COMPLETE, INORGANIC, UNIFORM IN COMPOSITION, AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT. PROPORTIONS OF FERTILIZER NUTRIENTS SHALL BE THE FOLLOWING:

10 LBS. OF ACTUAL NITROGEN
10 LBS. OF ACTUAL PHOSPHATE
10 LBS. OF ACTUAL POTASH

TEMPORARY SEED MIXTURE: SHALL HAVE THE FOLLOWING CHARACTERISTICS:

SEEDING DATE	SPECIES	PERCENTAGES (MINIMUM)			SEEDING RATE LBS. PER ACRE
		WGT.	PURITY	GERM.	
02/15-03/30	OATS	100	98	85	96
05/01-08/31	MILLET	100	98	80	40
09/01-11/15	RYE	100	96	85	140

LIME: SHALL BE GROUND AGRICULTURAL GRADE LIMESTONE CONTAINING NOT LESS THAN 85 PERCENT CALCIUM AND MAGNESIUM CARBONATES. FINENESS SHALL BE SUCH THAT 100 PERCENT WILL PASS A NO. 20 SIEVE, AND NOT LESS THAN 50 PERCENT WILL PASS A NO. 100 SIEVE. BURNED LIME OR HYDRATED LIME MAY BE SUBSTITUTED IN EQUIVALENT CARBONATES, IF REQUESTED.

MULCH: TYPE I MULCH SHALL BE CURLEX BLANKET EROSION CONTROL FABRIC BLANKET. THE FABRIC SHALL BE MANUFACTURED OF MATERIALS WHICH DEGRADE IN 6 TO 8 MONTHS UNDER OUTDOOR EXPOSURE. TYPE II MULCH COMPOSED OF THRESHED STRAW OF CEREAL GRAIN, PINE NEEDLES, OR WOOD FIBER SHALL BE FREE OF OBJECTIONABLE WEED SEEDS OR OTHER HARMFUL MATERIAL.

BINDER: SYNTHETIC MULCH BINDER FOR USE WITH TYPE II MULCH: CURASOL, DCA 70, PETROSET, OR TERRA TACK.

PERMANENT SEEDING MIXTURE (PS)
(STD. & SPEC. 3.32)

THE SEEDING INFORMATION PROVIDED BELOW IS FOR GENERAL COMPLIANCE WITH EROSION & SEDIMENT CONTROL REQUIREMENTS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL TECHNICAL REQUIREMENTS.

LIME: AS REQUIRED BY SOIL TEST. AGRICULTURAL LIMESTONE CONTAINING MINIMUM OF 85 PERCENT CARBONATES. MINIMUM GRADATION: 100 PERCENT PASSING A 10 MESH SIEVE; 98 PERCENT A 20 MESH SIEVE; 55 PERCENT A 60 MESH SIEVE; AND 40 PERCENT A 10 MESH SIEVE.

FERTILIZER: SHALL BE GRANULAR, OR PELLETED; COMPLETE COMMERCIAL TYPE WITH 50 PERCENT OF THE NITROGEN IN SLOWLY AVAILABLE FORM. ALL FERTILIZER SHALL BE A COMMERCIAL BALANCED FORMULA WITH AT BEST 25 PERCENT ORGANIC MATERIAL, AND SHALL CONFORM TO APPLICABLE STATE FERTILIZER LAWS. IT SHALL BE UNIFORM IN COMPOSITION, IN GRANULAR FORM DRY AND FREE-FLOWING. FOR ALL GRASS AND LAWN AREAS IT SHALL HAVE A MINIMUM GUARANTEED ANALYSIS OF 15 PERCENT NITROGEN, 30 PERCENT PHOSPHORUS, AND 15 PERCENT POTASH.

SEED: ALL PERMANENT GRASS SEED SHALL BE MANUFACTURED BY A SEED COMPANY THAT CAN GUARANTEE ALL SEED SHALL BE FREE OF NOXIOUS WEED SEEDS, CLEANED GRADE A RECENT CROP SEED. SEED COMPANY SHALL PROVIDE GUARANTEED GERMINATION OF 80 PERCENT.

SEED MIXTURE SHALL CONSIST OF (PROPORTIONED BY WEIGHT):

KENTUCKY BLUEGRASS (MIX OF 3 VARIETIES) 25%
TURF TYPE TALL FESCUE (REBEL 3D, TITAN 2, SHENANDOAH, FINELAWN 88, ANTHEM) 75%

APPLICATION: SEEDING SHALL BE APPLIED BETWEEN MARCH 1 AND MAY 15, OR AUGUST 16 AND OCTOBER 31. CAST SEEDS AT 4 POUNDS PER THOUSAND SQUARE FEET.

MULCH: SHALL BE CLEAN WHEAT OR BARLEY STRAW, FREE FROM NOXIOUS WEED SEED AND OTHER HARMFUL MATERIAL. COMMERCIAL PRODUCTS MAY BE USED WITH APPROVAL.

BINDER: SHALL BE FIBER MULCH BASED TACK BINDER SUCH AS "ENVIRO-BLEND" BY CONVED OR EQUAL. APPLY AT 25 LBS. PER THOUSAND SQUARE FEET ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

MULCHING (MU)
(STD. & SPEC. 3.35)

TABLE 3.35-A
ORGANIC MULCH MATERIALS AND APPLICATION RATES

MULCHES:	RATES:		NOTES:
	Per Acre	Per 1000 sq. ft.	
Straw or Hay	1½ - 2 tons (Minimum 2 tons for winter cover)	70 - 90 lbs.	Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand.
Fiber Mulch	Minimum 1500 lbs.	35 lbs.	Do not use as mulch for winter cover or during hot, dry periods.* Apply as slurry.
Corn Stalks	4 - 6 tons	185 - 275 lbs.	Cut or shredded in 4-6" lengths. Air-dried. Do not use in fine turf areas. Apply with mulch blower or by hand.
Wood Chips	4 - 6 tons	185 - 275 lbs.	Free of coarse matter. Air-dried. Treat with 12 lbs nitrogen per ton. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.
Bark Chips or Shredded Bark	50 - 70 cu. yds.	1-2 cu. yds.	Free of coarse matter. Air-dried. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.

* When fiber mulch is the only available mulch during periods when straw should be used, apply at a minimum rate of 2000 lbs./ac. or 45 lbs./1000 sq. ft.



Revisions

Date	12/17/15
1	ADDRESS FRANKLIN CO. COMMENTS

Issue Date: **OCT. 23, 2015**
 Drawn By: ARB
 Designed By: WJA/ARB
 Checked By: WJA
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PIGS RIVER POWER DAM REMOVAL SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN FOR TEMPORARY STOCKPILES
EROSION AND SEDIMENT CONTROL DETAILS
 FRANKLIN COUNTY, VIRGINIA

Vertical Scale: N/A
 Horizontal Scale: N/A
 Commission Number: 3505
 Sheet No.: **EC-2**

EROSION & SEDIMENT CONTROL NARRATIVE:

1. PROJECT DESCRIPTION:

1.1 THE PURPOSE OF THIS PROJECT IS TO SELECTIVELY REMOVE PORTIONS OF THE "PIGG RIVER POWER DAM." THE WORK OF THE DAM REMOVAL IS SHOWN ON OTHER DRAWINGS. A MORE DETAILED DESCRIPTION OF THE WORK THAT AFFECTS EROSION AND SEDIMENT CONTROL IS PROVIDED BELOW.

1.1.1 THE WORK OF THE PROJECT INCLUDES THE REMOVAL OF WOODY DEBRIS FROM BEHIND THE DAM AND THE STOCKPILING OF THIS DEBRIS FOR SORTING AND DRYING. THE WOODY DEBRIS WILL BE HAULED AWAY FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.

1.1.2 THE WORK OF THE PROJECT INCLUDES THE CONTROLLED AND SELECTIVE DEMOLITION AND REMOVAL OF THE CONCRETE DAM AND THE STOCKPILING OF THIS CONCRETE DEBRIS FOR SORTING. THE CONCRETE DEBRIS WILL BE HAULED AWAY FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.

1.1.3 THE WORK OF THE PROJECT INCLUDES THE CONSTRUCTION OF TEMPORARY CONSTRUCTION HAUL ROAD AND THE PROTECTION OF EXISTING DIRT ACCESS ROADS.

1.1.4 THE WORK OF THE PROJECT INCLUDES THE CONSTRUCTION OF A TEMPORARY CAUSEWAY TO ALLOW ACCESS TO THE LOWER SIDE OF THE DAM. THE SPECIFIC MEASURES ASSOCIATED WITH THIS WORK ARE SHOWN IN THE "JOINT PERMIT APPLICATION" DEVELOPED BY OTHERS.

1.2 THE PROJECT SITE AREA IS CONTAINED WITHIN PROPERTY OWNED BY: 1.) THE TOWN OF ROCKY MOUNT (DISPOSAL SITE AREA), THE FRIENDS OF THE RIVER OF VIRGINIA (DAM SITE), AND RIGHT-OF-WAY OF COMMONWEALTH OF VIRGINIA (AREA UNDER VA RT. 713). SEE THE SITE PLAN FOR ADDITIONAL INFORMATION REGARDING THE PROPERTY LINES WHICH DEFINE THE PROJECT SITE PROPERTY AREA.

1.3 THE TOTAL AREA OF PROPOSED LAND DISTURBANCE IS 0.99 ACRES.

1.4 TO MINIMIZE THE POTENTIAL FOR SILT-LADEN RUNOFF LEAVING THE SITE DURING CONSTRUCTION AND TO ENSURE DISTURBED SURFACES ARE RE-STABILIZED UPON COMPLETION OF CONSTRUCTION, EROSION AND SEDIMENT CONTROL (E&SC) MEASURES SHALL BE PROVIDED AS SHOWN AND SPECIFIED ON THESE PLANS, AND AS OUTLINED IN THIS E&SC NARRATIVE. THE E&SC MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE "FRANKLIN COUNTY EROSION AND SEDIMENT CONTROL ORDINANCE" AND THE DETAILS AND SPECIFICATIONS FOUND IN THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK", LATEST EDITION - AS SHOWN HEREON.

2. EXISTING SITE CONDITIONS:

2.1 LAND COVER: THE PROJECT SITE AREA IS GENERALLY FREE OF MATURE TREES AND VEGETATION. THERE IS EVIDENCE OF PRIOR CONSTRUCTION ON THE PROJECT SITE FROM PRIOR UTILITY INSTALLATION, ACCESS ROADS, AND BORROW/STOCKPILE OF EARTHEN MATERIAL. THE PROJECT SITE IS CURRENTLY WELL STABILIZED WITH THE EXCEPTION OF MINOR BARE AREAS AND THE DIRT / GRAVEL ACCESS ROAD.

2.2 SLOPES/TOPOGRAPHY: THE EXISTING TOPOGRAPHY (SHOWN AT 5-FOOT CONTOUR INTERVAL) IS SHOWN ON SHEET EC-1. THE PROJECT AREA TOPOGRAPHY IS CHARACTERIZED BY A GENERALLY UNIFORMLY SLOPING AREA WHICH SLOPES FROM THE EAST TO WEST (TOWARD THE PIGG RIVER). SLOPES VARY FROM BETWEEN 2-PERCENT (IN THE LOWER AREA OF THE PROJECT WHERE THE STOCKPILE ARE TO BE PLACED) TO 11-PERCENT (ALONG PORTION OF THE TEMPORARY ACCESS ROAD).

2.3 DRAINAGE FEATURES: STORMWATER RUN-OFF FROM THE PROJECT SITE DRAINS (SHEET FLOWS) ACROSS THE AREA FROM AN EAST TO WEST DIRECTION AND FLOW TOWARD PIGG RIVER. THERE IS ONE AREA OF CONCENTRATED FLOW WHERE A CULVERT PIPE IS LOCATED UNDER THE ACCESS ROAD TO THE TOWN'S WWTP. THIS AREA OF CONCENTRATED FLOW ENTERS THE PROJECT WORK AREA AND IS ADDRESSED IN THE E&SC PLAN.

3. ADJACENT PROPERTY:

3.1 THE PROJECT AREA IS BORDERED ON THE NORTH BY AN OPEN FIELD THAT IS COMPRISED OF FLOODPLAIN OF THE PIGG RIVER. THE AREA IS MOSTLY OPEN AND WELL VEGETATED. STORMWATER RUN-OFF FROM THE AREA NORTH OF THE PROJECT SITE DRAINS DIRECTLY INTO THE PIGG RIVER AND WILL NOT AFFECT THE WORK OF THE PROJECT OR THE E&SC CONCEPT.

3.2 THE PROJECT AREA IS BORDERED ON THE WEST BY THE OPEN AREA THAT SLOPES DOWN TO THE PIGG RIVER. STORMWATER RUN-OFF FROM THE PROJECT SITE AND THE AREAS EAST OF THE PROJECT SITE WILL DRAIN TO THE WEST AND INTO THIS AREA. PROTECTION OF THIS AREA FROM EROSION AND SEDIMENTATION IS THE HIGHEST EMPHASIS AND IS ADDRESSED IN THE E&SC PLAN.

3.3 THE PROJECT SITE AREA IS BORDERED ON THE EAST BY AN OPEN AREA THAT SLOPING TOWARD THE PROJECT SITE. THE AREA TO THE EAST NATURALLY DRAINS INTO THE PROJECT SITE VIA SHEET FLOW. KEY COMPONENTS OF THIS AREA INCLUDE: THE EXISTING ACCESS ROAD TO THE TOWN'S WWTP, THE CULVERT AND RECEIVING DITCH THAT DRAIN INTO THE PROJECT WORK AREA.

4. SOILS:

4.1 A DETAILED SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION WAS NOT PERFORMED FOR THIS PORTION OF THE PROJECT. THE SOILS THAT ARE CURRENTLY IN-PLACE ARE FROM PRIOR GRADING ACTIVITIES OR NATURAL IN-SITU SOILS.

4.2 PER THE USDA WEB SOIL SURVEY (WSS), THE SOIL TYPES WITHIN THE PROJECT LIMITS ARE MAPPING UNIT 11A --- COMUS-MAGGODEE-ELSNBORO COMPLEX. THIS SOIL IS A WELL TO MODERATELY DRAINED ALLUVIUM MATERIAL (COARSE-LOAMY MIX) ORIGINATING FROM METAMORPHIC AND IGNEOUS MATERIALS. THE RUN-OFF CHARACTERISTICS ARE LOW TO VERY-LOW AND THE HYDRAULIC CONDUCTIVITY IS MODERATE TO HIGH 0.60 IN/HR TO 1.98 IN/HR). ARE: Kw=0.28, Kf=0.28, AND T=4.

4.3 BASED ON A REVIEW OF THE AVAILABLE DATA AND KNOWLEDGE OF THE ON-SITE SOILS, THE SOILS EROSION POTENTIAL IS DEEMED LOW TO MODERATE.

5. CRITICAL EROSION AREAS: NONE IDENTIFIED.

6. OFF-SITE DISPOSAL/BORROW AREAS:

6.1 SINCE THERE IS NO TRADITIONAL EARTHWORK ASSOCIATED WITH THE WORK OF THE PROJECT, IT IS ANTICIPATED THAT TOPSOIL WILL NOT BE STRIPPED FROM THE PROJECT SITE AND THERE WILL BE NO NEED TO A TOPSOIL STOCKPILE.

6.2 SHOULD IT BECOME NECESSARY TO REMOVE EARTHEN / SOIL MATERIAL FROM THE SITE AND DISPOSE OF IT AT AN OFF-SITE LOCATION, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION THAT THE DISPOSAL SITE IS CURRENTLY PERMITTED WITH A VALID LAND DISTURBANCE PERMIT. PRIOR TO REMOVAL OF MATERIAL FROM THE SITE THE CONTRACTOR SHALL PROVIDE THE LOCATION OF THE DISPOSAL SITE AND EVIDENCE OF A VALID LAND-DISTURBING PERMIT FOR THE DISPOSAL SITE.

6.3 WOODY DEBRIS REMOVED FROM THE PIGG RIVER BEHIND THE DAM AND CONCRETE DEBRIS FROM THE REMOVAL OF THE DAM WILL BE STOCKPILED ON THE PROJECT SITE. THESE MATERIALS WILL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN A LEGAL MANNER. REFER TO THE DAM REMOVAL MATERIALS MANAGEMENT PLAN FOR ADDITIONAL INFORMATION.

7. EROSION AND SEDIMENT CONTROL MEASURES:

7.1 UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS (STD. AND SPEC.) OF THE LATEST EDITION OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK." MEASURES SPECIFICALLY IDENTIFIED ON THESE PLANS ARE LISTED BELOW.

7.2 CONSTRUCTION ENTRANCE (CE) - SHALL BE INSTALLED IN ACCORDANCE WITH STD. & SPEC 3.02 WHERE SHOWN ON THE PLAN. THE CONTRACTOR SHALL ENSURE VEHICLES LEAVING THE WORK AREA ARE FREE OF EXCESS MUD, DIRT, AND DUST. VEHICLE WASH-DOWN PROVISIONS SHALL BE ADDED IF REQUIRED BY THE E&SC INSPECTOR.

7.3 SILT FENCE (SF/SSF): SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND IN CONFORMANCE WITH STD. AND SPEC. 3.05 - IT WILL INTERCEPT SILT LADEN RUNOFF BEFORE IT EXITS THE SITE. SILT FENCE INSTALLATION SHALL BE COORDINATED WITH AND INSPECTED BY THE EROSION AND SEDIMENT CONTROL INSPECTOR OR REPRESENTATIVE. IN SOME STEEPER AREAS OF THE PROJECT SITE "SUPER SILT FENCE," WHICH USES WIRE BACKING TO HANDLE HIGHER VELOCITIES AND FLOWS, MAY BE SPECIFIED.

7.4 CONSTRUCTION ROAD STABILIZATION (CRS): SHALL BE INSTALLED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND IN CONFORMANCE WITH STD. AND SPEC. 3.03. CONSTRUCTION ROAD STABILIZATION IS A TEMPORARY STABILIZATION OF ACCESS ROADS AND OTHER ON-SITE VEHICLE TRANSPORTATION ROUTES WITH STONE IMMEDIATELY AFTER GRADING. THE PURPOSE OF THIS MEASURE IS TO REDUCE THE EROSION OF TEMPORARY ROADBEDS BY CONSTRUCTION TRAFFIC DURING WET WEATHER AND TO REDUCE THE EROSION AND SUBSEQUENT REGRADING OF PERMANENT ROADBEDS BETWEEN THE TIME OF INITIAL GRADING AND FINAL STABILIZATION.

7.5 CHECK DAMS (CD): SHALL BE INSTALLED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND IN CONFORMANCE WITH STD. AND SPEC. 3.20. RIPRAP CHECK DAMS SLOWS THE VELOCITY OF CONCENTRATED RUNOFF.

7.6 TEMPORARY SEEDING / STABILIZATION (TS): SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE AND SHALL CONFORM TO STD. AND SPEC. 3.31. ADDITIONALLY, TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS IN CONFORMANCE WITH STD. AND SPEC. 3.31.

7.7 PERMANENT SEEDING (PS): ALL DISTURBED AREAS BROUGHT TO FINAL GRADE THAT ARE NOT BUILT UPON (BUILDING, PAVEMENT, WALKS, ETC.) OR THAT ARE NOT LANDSCAPED SHALL BE SEEDED IN CONFORMANCE WITH STD. AND SPEC. 3.32. PERMANENT STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.

7.8 TOPSOILING (TO): SHALL BE APPLIED TO ALL DISTURBED AREAS WHICH ARE TO RECEIVE PERMANENT SEEDING AS INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN AND SHALL BE APPLIED IN ACCORDANCE WITH THE STD. AND SPEC. 3.30. TOPSOILING PROVIDES A METHOD FOR PRESERVING AND RE-USING THE SURFACE LAYER OF SOIL, OFTEN ENRICHED IN ORGANIC MATTER, IN ORDER TO OBTAIN A MORE DESIRABLE PLANTING AND GROWTH MEDIUM.

7.9 MULCHING (MU): IN ORDER TO PREVENT EROSION BY PROTECTING THE SOIL SURFACE FROM RAIN DROP IMPACT AND REDUCING THE VELOCITY OF OVERLAND FLOW AND TO FOSTER THE GROWTH OF VEGETATION BY INCREASING AVAILABLE MOISTURE AND PROVIDING INSULATION AGAINST EXTREME HEAT AND COLD, ALL DISTURBED AREAS THAT ARE STABILIZED / SEEDED (EITHER PERMANENT SEEDING OR TEMPORARY SEEDING) SHALL BE MULCHED IN CONFORMANCE WITH STD. AND SPEC. 3.35. REFER TO TABLE 3.35-A FOR ADDITIONAL INFORMATION.

8. MANAGEMENT STRATEGY AND SEQUENCE OF CONSTRUCTION:

8.1 CONSTRUCTION SHALL BE SEQUENCED SO LAND DISTURBING AND GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE. REFER TO THE "GENERAL SEQUENCE OF WORK" FOR ADDITIONAL INFORMATION.

8.2 SEDIMENT TRAPPING AND PERIMETER CONTROL MEASURES (SF, ETC.) SHALL BE INSTALLED AS THE FIRST STEP IN THE GRADING/LAND DISTURBANCE OPERATION. THE MEASURES (WHERE APPLICABLE) AND THE AREAS DISTURBED DUE TO THE INSTALLATION OF THESE MEASURES SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.

8.3 THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY MARKED PRIOR TO START OF WORK.

8.4 TEMPORARY SEEDING (TS) OR OTHER STABILIZATION MEASURES SHALL BE PLACED IMMEDIATELY FOLLOWING GRADING.

8.5 THE PROJECT SUPERINTENDENT OR THE RESPONSIBLE LAND DISTURBER (RLD) SHALL BE DIRECTLY RESPONSIBLE TO ENSURE THE MEASURES SPECIFIED HEREIN ARE INSTALLED AND MAINTAINED AND THE SEQUENCE OF WORK IS FOLLOWED.

8.6 AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY E&SC MEASURES WILL BE CLEANED UP AND REMOVED.

9. PERMANENT STABILIZATION / REMOVAL OF MEASURES:

9.1 AFTER THE INSTALLED EROSION AND SEDIMENTATION CONTROL DEVICES ARE FOUND TO BE FUNCTIONAL, THE CONTRACTOR MAY PROCEED WITH THE WORK OF THE PROJECT. PERMANENT OR TEMPORARY STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN FOURTEEN (14) DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE (1) YEAR.

9.2 FOLLOWING THE COMPLETION OF DEVELOPMENT AND STABILIZATION OF ALL AREAS, AND IT HAS BEEN DETERMINED THAT EROSION OR SEDIMENTATION IS NO LONGER OCCURRING ON THE SITE OR AT ITS BOUNDARIES, AND DRAINAGE FLOWS ARE FUNCTIONING ACCORDING TO DESIGN, THE CONTRACTOR MAY THEN BEGIN TO REMOVE THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. THIS WORK SHALL BE DONE IN A CAREFUL, NEAT, AND ORGANIZED MANNER.

9.3 ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

10. INSPECTION & MAINTENANCE REQUIREMENTS:

10.1 THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL MAINTENANCE REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL MEASURES AS OUTLINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.

10.2 ALL EROSION AND SEDIMENT MEASURES WILL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL. THE ITEMS LISTED BELOW WILL BE CHECKED IN ACCORDANCE WITH THE REQUIREMENTS FOR EACH PARTICULAR ITEM.

10.3 STD & SPEC 3.02 - TEMPORARY STONE CONSTRUCTION ENTRANCE (CE) - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES.

10.4 STD & SPEC 3.05 - SILT FENCE (SF): SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH A DEPTH OF 6-INCHES. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

10.5 STD & SPEC 3.32 - PERMANENT SEEDING (PS) - IN GENERAL, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL IT HAS BEEN MAINTAINED FOR ONE FULL YEAR AFTER PLANTING. IRRIGATION - NEW SEEDING SHOULD BE SUPPLIED WITH ADEQUATE MOISTURE. SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY WEATHER, OR ON ADVERSE SITES. WATER APPLICATION RATES SHOULD BE CONTROLLED TO PREVENT EXCESSIVE RUNOFF. RE-SEEDING - INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEEDINGS WITHIN THE SAME SEASON, IF POSSIBLE. IF VEGETATIVE COVER IS INADEQUATE TO PREVENT RILL EROSION, OVER-SEED AND FERTILIZE IN ACCORDANCE WITH SOIL TEST RESULTS. IF A STAND HAS LESS THAN 40% COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. THE SOIL MUST BE TESTED TO DETERMINE IF ACIDITY OR NUTRIENT IMBALANCES ARE RESPONSIBLE. RE-ESTABLISH THE STAND FOLLOWING SEEDED PREPARATION AND SEEDING RECOMMENDATIONS. FERTILIZATION - COOL SEASON GRASSES SHOULD BEGIN TO BE FERTILIZED 90 DAYS AFTER PLANTING TO ENSURE PROPER STAND AND DENSITY. WARM SEASON FERTILIZATION SHOULD BEGIN AT 30 DAYS AFTER PLANTING. APPLY MAINTENANCE LEVELS OF FERTILIZER AS DETERMINED BY SOIL TEST. IN THE ABSENCE OF A SOIL TEST, FERTILIZATION SHOULD BE AS INDICATED ON THE SEED SCHEDULE.

END OF EROSION & SEDIMENT CONTROL NARRATIVE

GENERAL SEQUENCE OF WORK:

1. GENERAL - IN ORDER TO MINIMIZE THE POTENTIAL FOR SOIL EROSION DUE TO LAND DISTURBANCES ON THE PROJECT SITE AND SEDIMENTATION OF DOWNSTREAM WATERWAYS AND PROPERTIES, THE WORK OF THE PROJECT SHOULD BE STAGED AND EXECUTED GENERALLY CHRONOLOGICALLY IN ACCORDANCE WITH THE "GENERAL SEQUENCE OF WORK" OUTLINED BELOW. THIS SEQUENCE OF WORK IS NOT INTENDED TO PROVIDE THE CONTRACTOR AND THE RESPONSIBLE LAND DISTURBER (RLD) WITH SPECIFIC DIRECTION REGARDING MEANS AND METHODS OF CONSTRUCTION NOR IS IT INTENDED TO ADDRESS EACH AND EVERY REQUIRED STEP TO COMPLY WITH THE INTENT OF THE EROSION AND SEDIMENT CONTROL PLAN AND THE REGULATIONS OF THE COMMONWEALTH OF VIRGINIA AND FRANKLIN COUNTY. THE CONTRACTOR SHOULD BE FAMILIAR WITH AND AWARE OF THE SEQUENCING PROVISIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS" AND THOSE CONTAINED IN THE FRANKLIN COUNTY "EROSION AND SEDIMENT CONTROL ORDINANCE." THE GENERAL SEQUENCE OF WORK MAY BE ALTERED UPON SUBMISSION AND APPROVAL OF WRITTEN AMENDMENTS OR APPROVED FIELD REVISIONS.

2. FLAG THE LIMITS OF LAND DISTURBANCE AND STAKE THE LOCATION OF THE CONSTRUCTION ENTRANCE. SEE SHEET EC-1

3. CONSTRUCTION ENTRANCE (CE):

3.1 INSTALL SILT FENCE DOWNSLOPE OF THE PROPOSED CONSTRUCTION ENTRANCE (CE) TO ENSURE EROSION DOES NOT OCCUR DURING THE INSTALLATION. CLEAR THE AREA OR DEMOLISH EXISTING ASPHALT IF REQUIRED FOR THE CONSTRUCTION ENTRANCE (CE).

3.2 CLEAR AND GRUBB THE AREA OF THE (CE) AND PLACE FILL MATERIAL OR CUT GRADE AS REQUIRED TO BRING THE (CE) TO AN ACCESSIBLE GRADE. INSTALL THE (CE) IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS HEREIN.

3.3 UPON COMPLETION OF THE CONSTRUCTION ENTRANCE, STABILIZE ANY DISTURBED AREAS ADJOINING THE (CE) WITH TEMPORARY SEEDING (TS).

4. PERIMETER MEASURES:

4.1 INSTALL SILT FENCE (SF) ALONG THE PERIMETER OF THE LAND DISTURBANCE LIMITS WHERE SHOWN ON SHEET EC-1 OR WHERE REQUIRED TO CONTROL RUNOFF.

4.2 IMMEDIATELY SEED / STABILIZE (TS) ANY AREAS DISTURBED BY THE INSTALLATION OF THE PERIMETER MEASURES AND ADJOINING DOWN-SLOPE DISTURBED AREAS.

5. CONSTRUCTION ACCESS / HAUL ROAD:

5.1 ROUGH GRADE THE ALIGNMENT OF THE CONSTRUCTION ACCESS ROAD TO REMOVING ANY LOW OR HIGH POINTS ALONG THE ROUTE AND TO ENSURE ADEQUATE DRAINAGE AND PROVIDE A SMOOTH TRAVEL PATH. AS SOON AS PRACTICABLE PLACE CONSTRUCTION ROAD STABILIZATION (CRS). THIS STEP MAY BE SKIPPED IF THE EXISTING ROAD IS CURRENTLY FINISHED WITH GRAVEL OR OTHER STABLE MATERIAL.

5.2 INSTALL THE TEMPORARY DRAIN PIPE (TDP) UNDER THE CONSTRUCTION ACCESS ROAD WHERE SHOWN TO ENSURE CONVEYANCE OF UP-SLOPE RUN-OFF UNDER THE ROAD IN A NON-EROSIVE MANNER.

6. UPON COMPLETION OF ABOVE TASKS CALL FOR INSPECTION OF THE INSTALLED MEASURES. MAKE ADJUSTMENTS AS NEEDED TO ENSURE COMPLIANCE WITH THE SPECIFICATIONS SHOWN ON THE PLANS AND MAKE ADJUSTMENTS AND/OR ADD ADDITIONAL MEASURES BASED ON INSPECTION BY ROANOKE COUNTY E&SC INSPECTOR FINDINGS/RECOMMENDATIONS.

7. CLEAR VEGETATION (THERE ARE NO MATURE TREES ON THE SITE) FROM THE PROJECT WORK AREA AS REQUIRED. TO MINIMIZE THE POTENTIAL FOR EROSION, CONSIDER USING INCREMENTAL CLEARING (I.E. REMOVE VEGETATION ONLY AS WORK IS TO START IN A SPECIFIC AREA).

8. DEMOLITION - PLACE REMOVED WOODY DEBRIS AND DEMOLISHED CONCRETE IN THE LOCATIONS SHOWN AS THE WORK PROGRESSES. ENSURE PLACEMENT OF DEBRIS STAYS WITHIN THE AREA PROTECTED WITH PERIMETER E&SC MEASURES.

9. UPON REMOVAL OF THE STOCKPILED DEBRIS RESTORE THE SITE AREA TO FINISHED GRADE AS SOON AS PRACTICAL. WITHIN 7 DAYS OF REACHING FINISHED GRADE OR CESSATION OF WORK, APPLY TEMPORARY SEEDING (TS), OR TOPSOIL (TO) AND PERMANENT SEEDING (PS) TO ALL DISTURBED AREA AND CUT SLOPES THAT WILL REMAIN DORMANT FOR LONGER THAN THIRTY (30) DAYS AND/OR WHEN FINAL GRADE IS REACHED. APPLY PERMANENT STABILIZATION TO DISTURBED AREAS SHALL SOON AS PRACTICAL; INCLUDING: TOPSOIL (TO), PERMANENT SEEDING (PS), AND MULCH (MU).

10. MAINTENANCE OF E&SC MEASURES:

10.1 ALL EROSION AND SEDIMENT MEASURES WILL BE CHECKED DAILY AND AFTER EACH MEASURABLE RAINFALL. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL MAINTENANCE REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL MEASURES AS OUTLINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE E&SC NARRATIVE.

11. REMOVAL OF MEASURES:

11.1 PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM AND MATURE ENOUGH TO SURVIVE AND INHIBIT EROSION.

11.2 UPON STABILIZATION OF ALL DISTURBED SURFACES, CALL-FOR FINAL INSPECTIONS.

11.3 ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE E&SC INSPECTOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

END OF GENERAL SEQUENCE OF WORK



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PIGG RIVER POWER DAM REMOVAL SITE PLAN AND EROSION & SEDIMENT CONTROL PLAN FOR TEMPORARY STOCKPILES. EROSION AND SEDIMENT CONTROL NARRATIVE. FRANKLIN COUNTY, VIRGINIA

Vertical Scale: N/A

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