



Public Notice

U.S. Army Corps
of Engineers
Pittsburgh District

In Reply Refer to
Notice No. below

US Army Corps of Engineers, Pittsburgh District
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

Application No. 200001861

Date: March 27, 2001

Notice No. 01-R1

Expiration Date: March 27, 2006

**REGIONAL PERMIT FOR
THE PLACEMENT OF BANK PROTECTION
COMMONWEALTH OF PENNSYLVANIA**

1. TO ALL WHOM IT MAY CONCERN: The District Engineer, U. S. Army Engineer District, Pittsburgh, has reissued the subject Regional Permit for THE PLACEMENT OF BANK PROTECTION within the COMMONWEALTH OF PENNSYLVANIA in the Pittsburgh District along the banks of navigable waters as specified in Appendix A. This Regional Permit is a revalidation of Regional Permit No. 95-R1, issued on August 22, 1995.
2. This authorization is pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (P.L. 95-217) and in accordance with Title 33 CFR 325.2(e), paragraph b, as published November 13, 1986 in the Federal Register, Volume 51, Number 219.
3. This Regional Permit may be revoked at any time after its effective date if it is determined that the cumulative effects of the activities authorized will have a significant adverse environmental impact or that any such activity is otherwise not in the public interest.
4. The shore protection covered by this Regional Permit must comply with the Special Conditions set forth in Appendix B.
5. The provisions of this Regional Permit would not apply to:
 - a. Historic, cultural, or archeological sites as identified in the latest published version of the National Register of Historic Places.
 - b. Sites included in the latest published version of the National Registry of Natural Landmarks.
 - c. Any other areas authorized for study or named in Acts of Congress or Presidential Proclamations as National Rivers, National Wilderness Areas, National Seashores, National Recreation Areas, National Lakeshores, National Parks, National

Monuments, National Wildlife Refuges and such areas as may be established under Federal law for similar and related purposes, such as estuaries and marine sanctuaries.

d. Wetlands, including bogs, marshes, sloughs, swamps, and other areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Embayments, backwaters, islands, and back channel shorelines are similarly excluded because of their exceptional value.

e. This Regional Permit does not apply to projects that may affect listed or proposed threatened or endangered species or their designated critical habitat unless consultation under Section 7(c) of the Endangered Species Act has been completed. Potential applicants must contact the U. S. Department of the Interior, Fish and Wildlife Service, P. O. Box 1278, Elkins, West Virginia 26241 to determine if proposed or listed threatened or endangered species or their critical habitat are present at the proposed site.

f. Sites within the permit area that may be identified by the District Engineer as being environmentally sensitive.

g. Projects which require or are covered by an environmental impact statement.

6. Nothing in this Regional Permit would eliminate the necessity for the owner(s) to obtain any required Federal, State, or local permits.

7. The owner(s) must furnish to the District Engineer prior to commencement of construction, a copy of the information forwarded to the Commonwealth of Pennsylvania to qualify the work for authorization by General Permit BDWW-3, Bank Rehabilitation, Bank Protection and Gravel Bar Removal. A listing of the Regional Offices is attached (Appendix C).

8. The owner(s) must furnish to the District Engineer prior to commencement of construction, a letter describing the proposed activity so that the locations and extent of bank protection may be properly inventoried and the cumulative effect of the same may, from time to time, be assessed. This letter must include the following information:

- a. Name, address, and phone number of owner(s).
- b. Location of the proposed work to include name of waterway, state, county, and nearest city or town.
- c. Names and addresses of adjoining upstream and downstream property owners.
- d. A statement describing need for bank protection.
- e. Dates when work is expected to begin and end.

f. A vicinity map showing the proposed project location. The proposed project location may be shown on a copy of the appropriate page of River Navigation Charts published by the U. S. Army Corps of Engineers, Pittsburgh District, or an applicable segment of USGS topographic map, county or other commercially available map or a hand sketched vicinity map as shown on the attached sample drawings.

g. A plan and profile view drawing. The sketched plan view drawing should show the dimensions of the proposed work, the structure referenced to a readily identifiable, fixed object on shore, the normal pool shoreline and the direction of the water's flow at the work site. The profile view drawing should show the work in relation to normal pool elevation, slope of work, and types and quality of materials being used (see attached sample drawings).

9. Upon receipt of the owner(s) notification, the District Engineer, U. S. Army Engineer District, Pittsburgh, will consult the latest published version of the National Register of Historic Places for the presence or absence of registered properties or properties listed in the latest published version of the Register as being eligible for inclusion therein. If presently unknown archeological, scientific, prehistorical, or historical data is discovered during the prosecution of the work, further work shall cease and the owner(s) shall inform the District Engineer of such discovery.

10. This Regional Permit, unless specifically modified, suspended, or revoked, would be in effect for a period of five years from the date of issuance and may be considered for revalidation at that time.

11. The conditions and requirements of this Regional Permit are attached to this Public Notice.

12. Further information may be obtained at the following location:

DEPARTMENT OF THE ARMY
U. S. ARMY ENGINEER DISTRICT, PITTSBURGH
REGULATORY BRANCH
WILLIAM S. MOORHEAD FEDERAL BUILDING
1000 LIBERTY AVENUE
PITTSBURGH, PENNSYLVANIA 15222-4186
PHONE: 412-395-7152

FOR THE DISTRICT ENGINEER:

Atchs
Appendix A, B, C & D


Albert H. Rogalla
Chief, Regulatory Branch

APPENDIX A

**NAVIGABLE WATERS
OHIO RIVER AND TRIBUTARIES**

<u>Ohio River Mile</u>	<u>Stream</u>	<u>Jurisdiction Miles Above Mouth</u>
0.0	Ohio River (Head to Mile 40.0 the PA/OH & WV borders)	
2.8	Chartiers Creek	1.9
25.6	Beaver River (Entire Length)	21.5
	Mahoning River (Tributary of Beaver River to PA/OH border)	
	Shenango River (Tributary of Beaver River)	1.8
29.6	Raccoon Creek	1.8
39.5	Little Beaver Creek (within PA)	
	Middle Fork (Tributary of Little Beaver Creek within PA)	
	North Fork (Tributary of Little Beaver Creek within PA)	

MONONGAHELA RIVER AND TRIBUTARIES

<u>Monongahela River Mile</u>	<u>Stream</u>	<u>Jurisdiction Miles Above Mouth</u>
0.0	Monongahela River (Mouth to Mile 91.2, the PA/WV border)	91.2
15.6	Youghiogheny River	31.2
65.6	Tenmile Creek	2.7
89.6	Cheat River	3.4

ALLEGHENY RIVER AND TRIBUTARIES

<u>Allegheny River Mile</u>	<u>Stream</u>	<u>Jurisdiction Miles Above Mouth</u>
0.0	Allegheny River (Mouth to the PA/NY Border)	
30.2	Kiskiminetas River	26.8
	Conemaugh River (Tributary of Kiskiminetas River)	51.7
40.2	Crooked Creek	1.5
55.5	Mahoning Creek	1.4
64.0	Redbank Creek	1.5
84.5	Clarion River	90.0
154.2	Tionesta Creek	0.3

APPENDIX B

SPECIAL CONDITIONS

a. The configuration of the shoreline shall remain substantially the same and the work shall blend harmoniously with adjacent properties.

b. The construction of spur dikes, guide banks, or streambank channel restoration or realignment are not authorized by this permit.

c. The work shall not exceed the placement of the maximum of two cubic yards per running foot for a distance not to exceed 500 feet.

d. The riprap encroachment shall not exceed the maximum of five feet channelward from the existing normal waterline. Encroachments of five feet will only be necessary in extreme cases where banks are high and nearly vertical. Encroachments of less than three feet are preferred.

e. The bank protection should be constructed in two layers.

(1) An outer layer of massive particles to resist the forces of moving water.

(a) The outer layer or principal protection layer should consist of well-graded particles. It is recommended that riprap slope protection shall be sized in accordance with Table E(2) DESIGN PARAMETERS FOR RIPRAP (Appendix D).

(b) The protecting layer should be placed to a minimum thickness approximately six inches greater than the maximum particle size, or in accordance with Table E(2) for riprap design.

(2) An underlying filter layer of fine material or filter fabric.

(a) Satisfactory filter materials are mixtures of gravel and clean sand with about 80 percent of the material ranging between two inches and 1/4-inch. An alternative is a commercially available geosynthetic filter fabric that will allow drainage without loss of bank material.

(b) The gravel filter layer should be placed to a thickness in accordance with Table E(2) for riprap design.

f. Grouting of slope protection or dumped rock protection is not authorized by this Regional Permit.

g. Slag is not authorized for use under this Regional Permit unless it qualifies as a co-product which is suitable for the specific use.

h. Along streams which are classified priority 1-A or designated Scenic Rivers, it is recommended that bank protection and rehabilitation projects shall maintain the natural character of the bank by incorporating vegetation. However, woody vegetation shall not be incorporated in riprap protection. The use of concrete rubble for dumped rock protection is prohibited along Scenic Rivers.

i. Dumped rock protection shall have a maximum exterior slope of 1.5 horizontal to 1.0 vertical and a minimum top width of 18 inches at the top of the zone to be protected. No filter layer is required for dumped rock protection using well-graded rock. National Stone Association R-7 rock is the minimum rock size to be used for dumped rock protection.

j. Slope protection should not be placed with an exterior slope steeper than 1.5 horizontal to 1.0 vertical.

k. Immediately following completion of the project, all disturbed slopes shall be stabilized to prevent accelerated erosion in accordance with the approved Erosion and Sedimentation Control Plan.

l. Bank rehabilitation and bank protection projects shall be maintained in a functional condition at all times. Periodic removal of debris deposited on the bank project may be necessary.

m. Each bank rehabilitation and bank protection project shall not hinder commercial or recreational navigation nor interfere with the normal migration of fish.

n. Excavation or filling in the watercourse will be done so as to minimize increases in suspended solids and turbidity which may degrade water quality and damage aquatic life. Work will be accomplished between July and March when impacts upon fish spawning are minimal.

o. Dredging is not authorized under this permit.

p. Owner(s) will investigate for water supply intakes or other activities immediately downstream which may be affected by suspended solids and turbidity increases caused by work in the watercourse. He/she will give written notice to owners or operators of any such water supply intakes before beginning work in the watercourse in sufficient time to allow preparation for any change in water quality.

q. Deposition of excavated materials on shore and all earthwork operations will be carried out in such a way that soil erosion and sediment runoff to the watercourse are controlled and minimized. Upon completion of the operations, areas disturbed during construction will be seeded, ripped, or given some other type of appropriate protection from soil erosion. Wildflowers and/or other native plants should be used when possible. A thin layer of soil should be applied to the upper

portion of the riprapped slope and seeded with fast growing grasses and legumes.

r. The owner(s) will employ measures to prevent or control spills of fuels or lubricants from entering the waterway.

s. The owner(s) shall permit the District Engineer or his authorized representative(s) or designee(s) to make periodic inspections at any time to insure that the work is in accordance with the terms and conditions prescribed herein.

t. If, upon inspection, an activity authorized by this Regional Permit is not being constructed or has not been constructed, or is not being maintained at a particular location in accordance with these conditions or to the satisfaction of the District Engineer, the authorization of the activity at such location may be revoked, and an individual application for the work at such location may be required, or the completed work ordered to be removed.

u. This Regional Permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and it does not authorize any injury to property or invasion of rights or any infringement of Federal, state, or local laws or regulations, nor does it obviate the requirement to obtain state or local assent required by law for the activity authorized herein.

v. This Regional Permit does not authorize the interference with any existing or proposed Federal or Federally licensed project and the permittee shall not be entitled to compensation for damage or injury to the structures or work authorized herein which may be caused by or result from existing or future operations undertaken by the United States in the public interest.

w. In cases where proposed bank protection would cover a utility line (gasline, waterline, sewerline, etc.), the utility company must be notified prior to performance of the work.

x. Violations of the terms and conditions of this Regional Permit may result in the institution of such legal proceedings as the United States Government may consider appropriate.

APPENDIX C

PADEP REGIONAL OFFICES

As of April 1, 1993, Chapter 105 Water Obstruction and Encroachment Permits are being processed in the six Regional Offices of the Pennsylvania Department of Environmental Protection. When submitting your application, please refer to the list below and send it to the appropriate Regional Office.

<u>REGIONAL OFFICE</u>	<u>COUNTY RESPONSIBILITY</u>
Northcentral Regional Office Soils and Waterways Section 208 West Third Street, Suite 101 Williamsport, PA 17701 570-327-3574 Fax: 570-327-3565	Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union
Northeast Regional Office Soils and Waterways Section Two Public Square Wilkes-Barre, PA 18711-0790 570-826-5485 Fax: 570-830-3016	Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming
Northwest Regional Office Soils and Waterways Section 230 Chestnut Street Meadville, PA 16335-3481 814-332-6942 Fax: 814-332-6121	Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren
Southcentral Regional Office Soils and Waterways Section 909 Elmerton Avenue Harrisburg, PA 17110 717-705-4700 Fax: 717-705-4760	Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York
Southeast Regional Office Soils and Waterways Section Lee Park, Suite 6010 555 North Lane Conshohocken, PA 19428-2233 610-832-6131 Fax: 610-832-6133	Bucks, Chester, Delaware, Montgomery, and Philadelphia
Southwest Regional Office Soils and Waterways Section 400 Waterfront Drive Pittsburgh, PA 15222-4745 412-442-4000 Fax: 412-442-4303	Allegheny, Armstrong, Beaver Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland

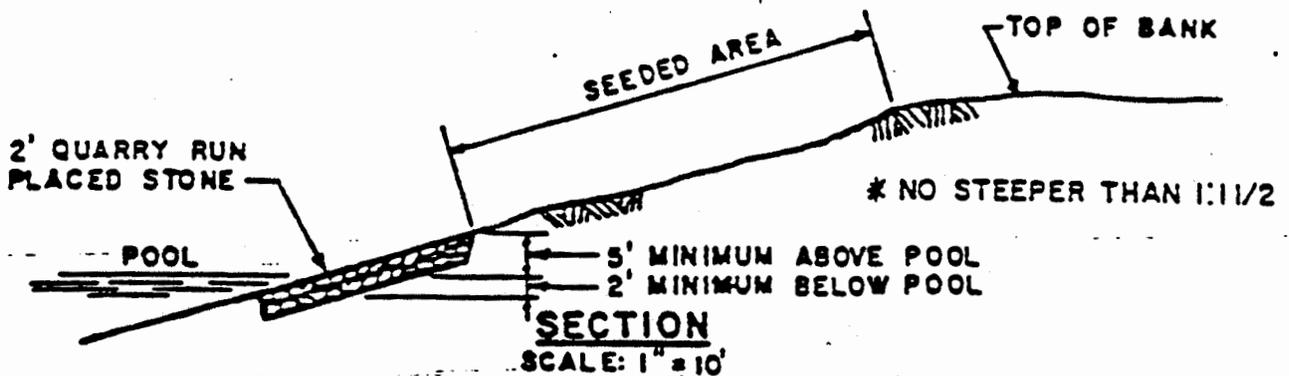
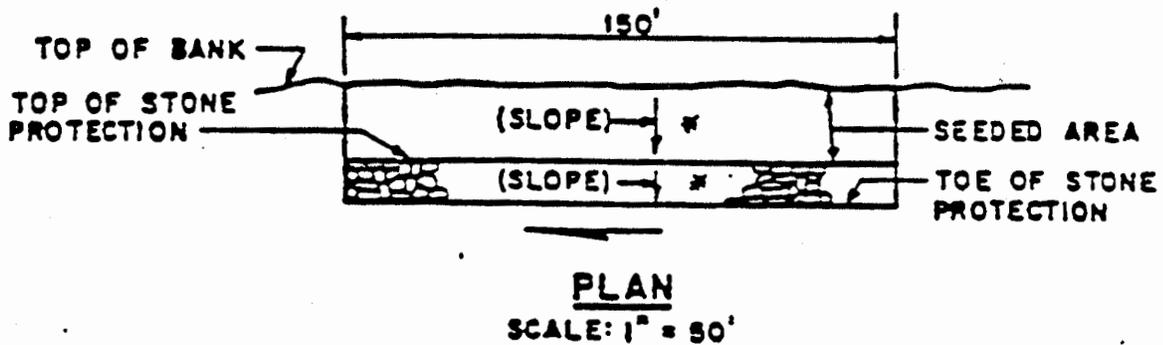
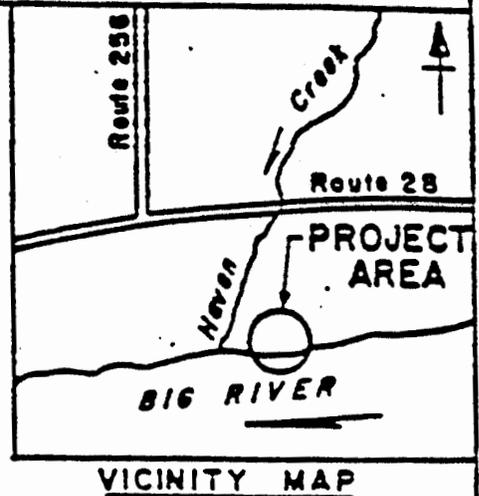
APPENDIX D

TABLE E(2) - DESIGN PARAMETERS FOR RIPRAP

National Stone Association Number	Average Size of Stone in Inches	Range of Stone Size in Inches	Recommended Placement Thickness in Inches	Recommended Filter Thickness in Inches	Maximum Allowable Streamflow Velocities in Feet Per Second	
					1.5 Horizontal to 1 Vertical Slope	2 Horizontal to 1 Vertical Slope
R-4	6	3 to 12	15	4	8	10
R-5	9	5 to 18	24	6	11	12
R-6	12	7 to 24	30	8	13	14
R-7	15	12 to 30	36	10	14	16

PLACED-STONE PROTECTION

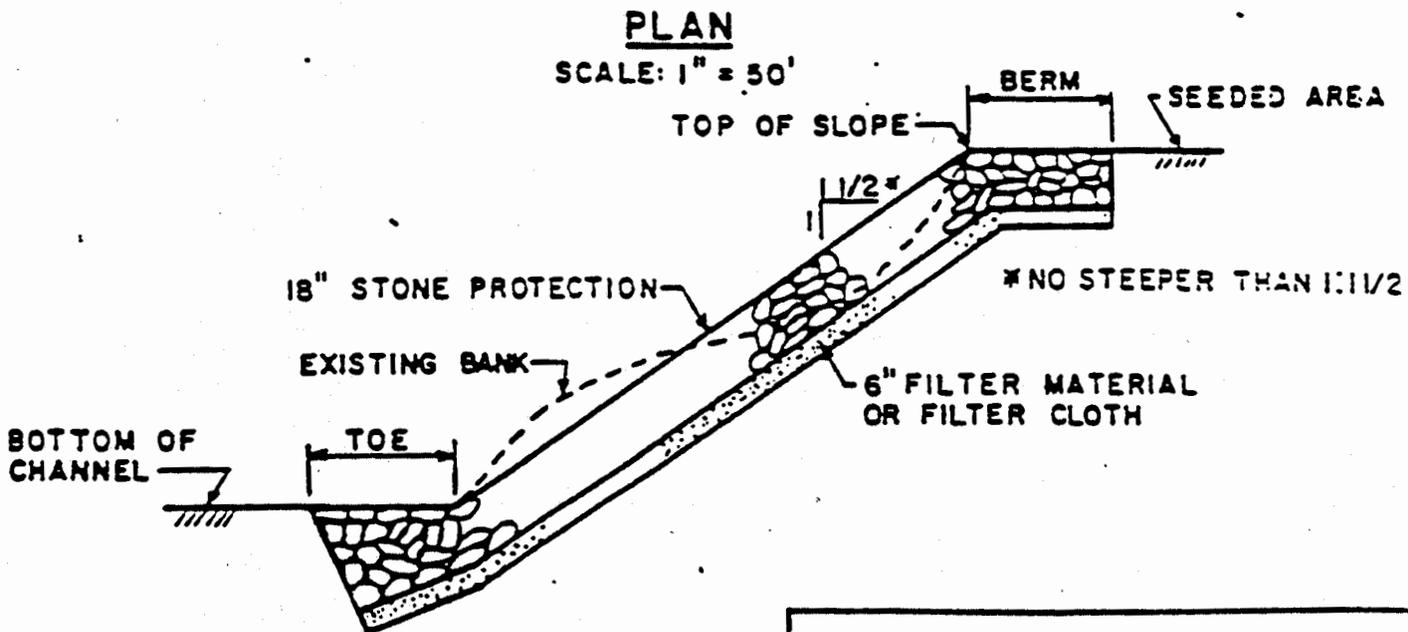
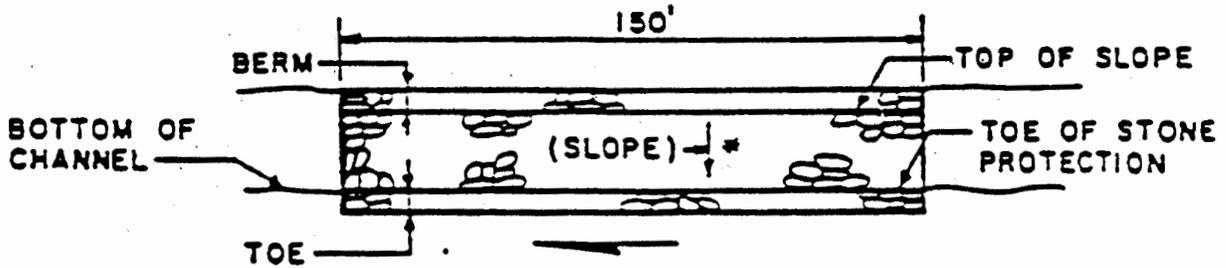
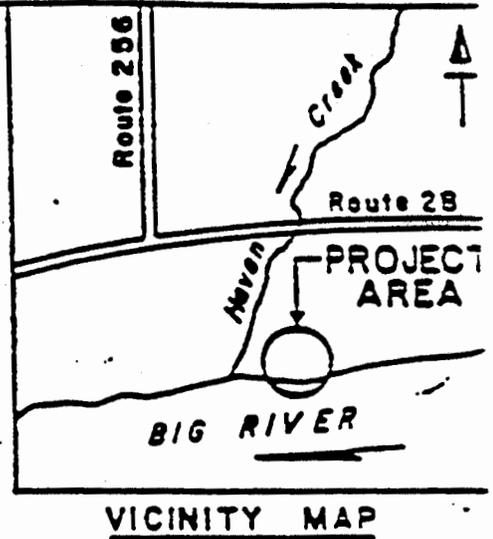
SAMPLE DRAWING



PROPOSED STONE PROTECTION
IN: BIG RIVER
COUNTY:
STATE:
APPLICATION BY:
DATE:

RIP RAP PROTECTION

SAMPLE DRAWING



PROPOSED RIP RAP PROTECTION

IN: BIG RIVER

COUNTY:

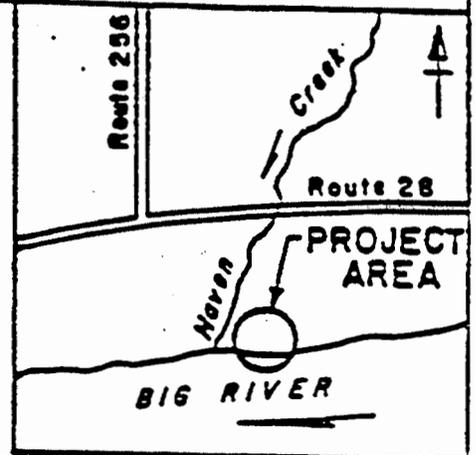
STATE:

APPLICATION BY:

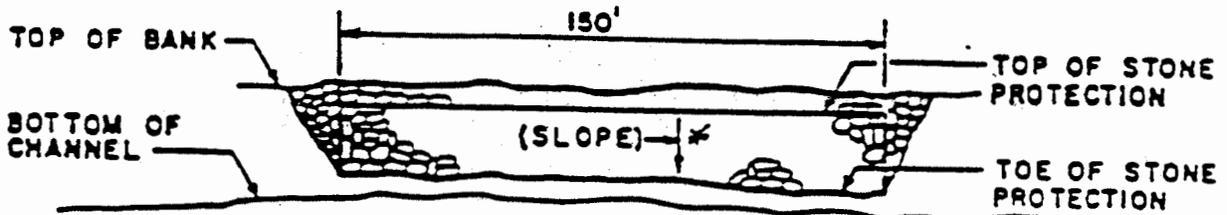
DATE:

DUMPED STONE PROTECTION

SAMPLE DRAWING

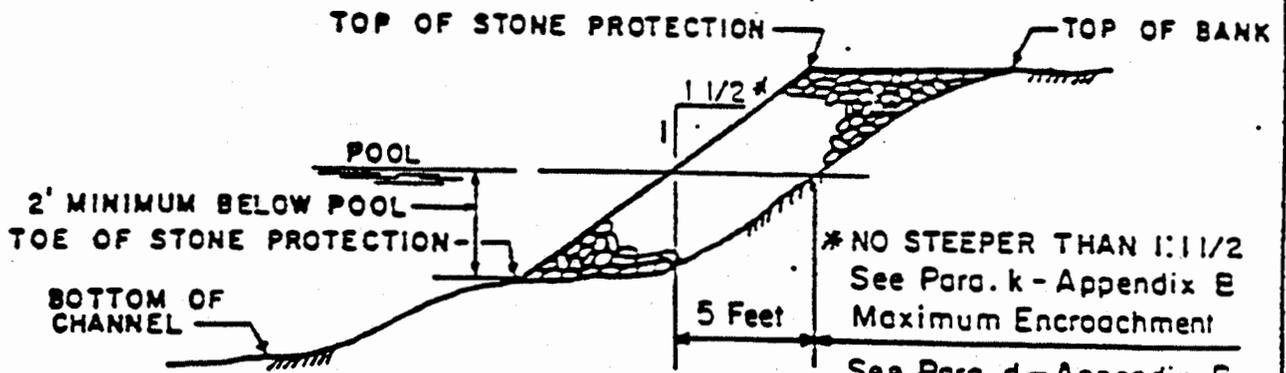


VICINITY MAP



PLAN

SCALE: 1" = 50'



SECTION

SCALE: 1" = 10'

PROPOSED STONE PROTECTION
IN: BIG RIVER
COUNTY:
STATE:
APPLICATION BY:
DATE: