



Public Notice

**U S Army Corps
of Engineers**

Huntington District

In reply refer to Public Notice No.

Issuance Date:

2005-1296-HOC

April 4, 2007

Stream:

Closing Date:

Hocking River

May 2, 2007

Please address all comments and inquiries to:

U.S. Army Corps of Engineers, Huntington District, Ohio Transportation Office

ATTN: CELRH-OR-FN-OT Public Notice No. (reference above)

3990 East Broad Street

Columbus, Ohio 43218-3990

Phone: (614) 692-4654

PUBLIC NOTICE: The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

REGULATORY PROGRAM: Since its early history, the U.S. Army Corps of Engineers (Corps) has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the Corps Regulatory Program.

SECTION 10: The Corps is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) to regulate all work or structures in or affecting the course, condition or capacity of navigable waters of the United States (U.S.). The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

SECTION 404: The Corps is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the discharge of dredged and fill material into all waters of the United States, including wetlands. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

TO WHOM IT MAY CONCERN: The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act. This notice serves as the Corps of Engineers' request to the Ohio Environmental Protection Agency (OEPA) to act on Section 401 Water Quality Certification for the following application:

APPLICANT: Ohio Department of Transportation
 1980 West Broad Street
 Columbus, Ohio 43223

LOCATION: The proposed project is located in fifteen streams and one wetland within the Hocking River and Upper Ohio-Shade River watersheds (HUCs 05030204, 05030202) along County Road (CR) 62 between the Village of Hockingport and US 50 in Troy Township, Athens County, Ohio.

DESCRIPTION OF THE PROPOSED WORK: The applicant proposes to restore access to and from the Village of Hockingport following the collapse and closure of State Route 124 in 2005. The project would involve roadway improvements to 3.56 miles of CR 62, which would include embankment fills, culvert replacements, sloping, grading, and construction of new roadway sections to accommodate the improved horizontal and vertical alignments.

Work associated with the proposed project would involve the placement of approximately 914 cubic yards of fill material into 4,059 linear feet (0.25 acres) of 15 unnamed intermittent and ephemeral tributaries of the Hocking River, Ohio River, Ross Run and Swan Run. The proposed project would also involve the placement of approximately 0.0004 cubic yards of fill material into a 0.01 acre wetland. Impacts to streams and wetlands are detailed in the tables below.

Stream ID	Impact Type	Proposed Fill Volume (cubic yards)	Proposed Fill Length (linear feet)	Proposed Fill Area (acres)
1	Pipe, rock channel protection	44	51	0.0117
2	Embankment fill	108	234	0.0671
4	Pipe, rock channel protection	15	194	0.0111
5	Pipe, rock channel protection, embankment fill	478	570	0.0393
6	Embankment fill	0.31	138	0.0002
6A	Pipe, rock channel protection	4	52	0.0006
7	Embankment fill	37	748	0.0230
8	Pipe, rock channel protection	56	363	0.0333
9	Pipe, rock channel protection	8	186	0.0043
10	Pipe, rock channel protection	21	161	0.0028
11	Pipe, rock channel protection	6	119	0.0014
12	Pipe, rock channel protection, embankment fill	120	963	0.0442
13	Pipe, rock channel protection	3	122	0.0004
14	Pipe, rock channel protection	13	109	0.0063
17A	Embankment fill	1	49	0.0007
Totals		914	4,059	0.25

Wetland ID	Wetland Type	Wetland Category (OEPA designation)	Proposed Fill Volume (cubic yards)	Proposed Fill Acres (acres)
D	Palustrine Emergent	I	0.0004	0.01

ALTERNATIVE ANALYSIS:

A total of 0.01 acre of a jurisdictional wetland would be filled as a result of this proposal. The project does not require access to or siting within the wetland to fulfill its basic purpose and is considered a non-water dependent activity; therefore, the applicant is required to show that other less damaging practicable alternatives are not available that would achieve the applicant's goal. The Section 404(b)(1) Guidelines state that for non-water dependent activities, practicable alternatives that do not involve wetlands are presumed to be available unless clearly demonstrated otherwise. The applicant is required to provide an alternative analysis that must overcome the presumption prior to receiving

authorization for the placement of fill material. The applicant has submitted the required alternatives analysis and it is currently under review. No permit will be issued until our review of the alternative analysis clearly shows that less damaging practicable alternatives are not available to achieve the applicant's goal.

MITIGATION PLAN: The applicant has submitted a conceptual mitigation plan that proposes to compensate for unavoidable impacts to streams and the wetland. Stream mitigation is proposed at the ODOT-Sunday Creek Coal Company Consolidated Stream Mitigation Site in Athens County. Wetland mitigation is proposed at the ODOT Fairgrounds Wetland Mitigation Area in Meigs County, Ohio. These proposed sites are currently under review by the Corps and other resource agencies.

WATER QUALITY CERTIFICATION: A section 401 Water Quality Certification is required for this project. It is the applicant's responsibility to obtain the certification from the Ohio Environmental Protection Agency.

HISTORIC AND CULTURAL RESOURCES: The Federal Highways Administration (FHWA) is the lead Federal agency for this project. As such, FHWA is responsible for compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act. The applicant received concurrence regarding cultural resource issues from the Ohio State Historic Preservation Office on May 27, 2005.

ENDANGERED/THREATENED SPECIES REVIEW: The project is located within the known or historic range of the following endangered species:

Indiana bat (E)
American burying beetle (E)
Sheepnose mussel (C)
Timber rattlesnake (PC)

As noted above, FHWA is the lead Federal agency for this project. FHWA is responsible for compliance with the NEPA and Section 7 of the Endangered Species Act. The applicant received concurrence on their proposed findings from the United States Fish and Wildlife Service on December 8, 2005. This public notice serves as a request to the USFWS for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

PUBLIC INTEREST REVIEW AND COMMENT: Any person who has an interest that may be adversely affected by the issuance of a permit may request a public hearing. The request must be submitted in writing to the District Engineer on or before the expiration date of this notice and must clearly set forth the interest which may be adversely affected and the manner in which the interest may be adversely affected by the activity. This application will be reviewed in accordance with 33 CFR 320-331, the Regulatory Program of the U. S. Army Corps of Engineers (USACE), and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U. S. Environmental Protection Agency pursuant to Section 404(b) (1) of the CWA. Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both

protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. Written statements on these factors received in this office on or before the expiration date of this public notice will become a part of the record and will be considered in the final determination. A permit will be granted unless its issuance is found to be contrary to the public interest.

SOLICITATION OF COMMENTS: The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. For accuracy and completeness of the administrative record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

CLOSE OF COMMENT PERIOD: All comments pertaining to this Public Notice must reach this office on or before the close of the comment period listed on page one of this Public Notice. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to:

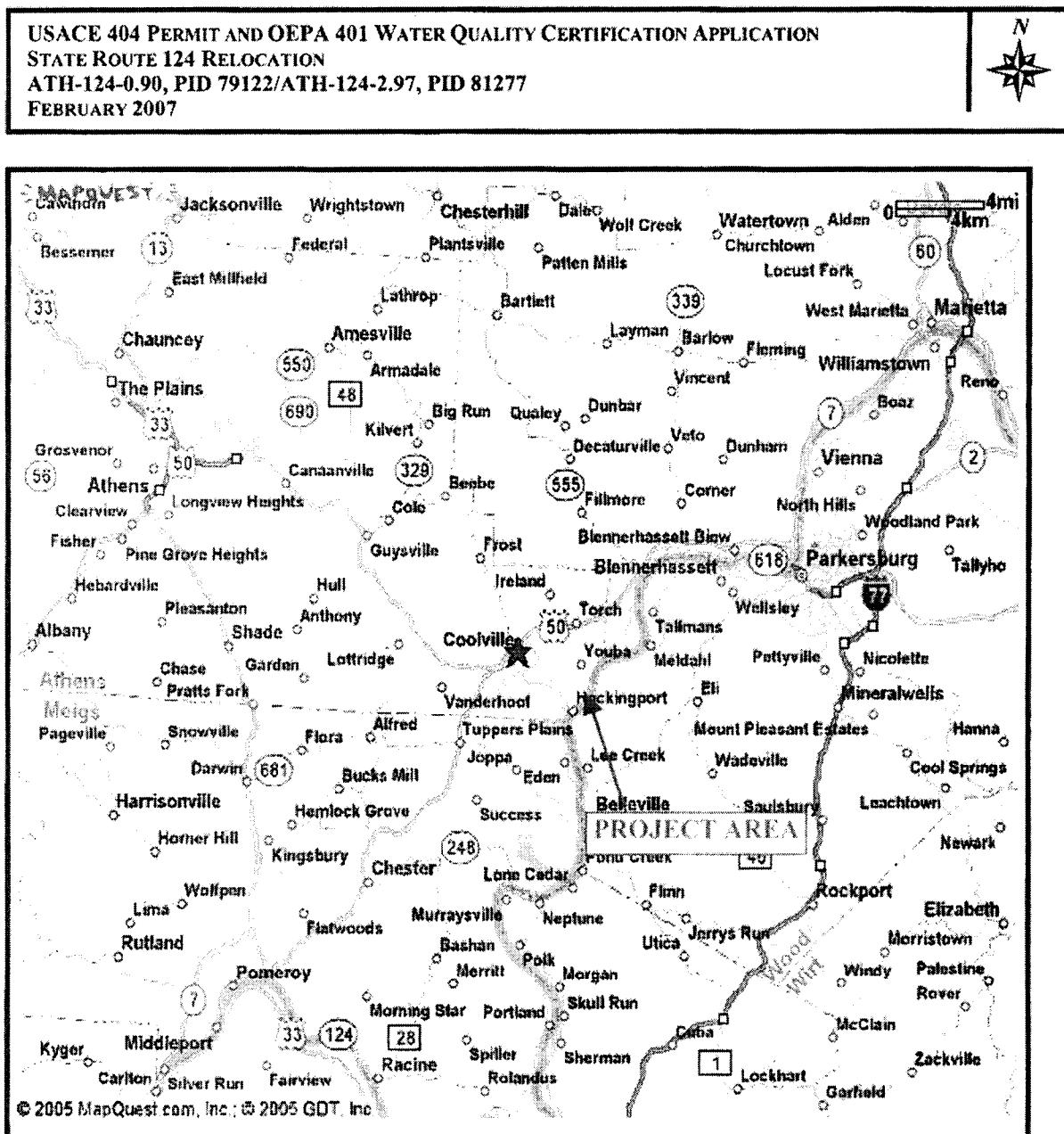
North Regulatory Section, Ohio Regulatory Transportation Office
U.S. Army Corps of Engineers Huntington District
3990 East Broad Street
Columbus, Ohio 43218-3990

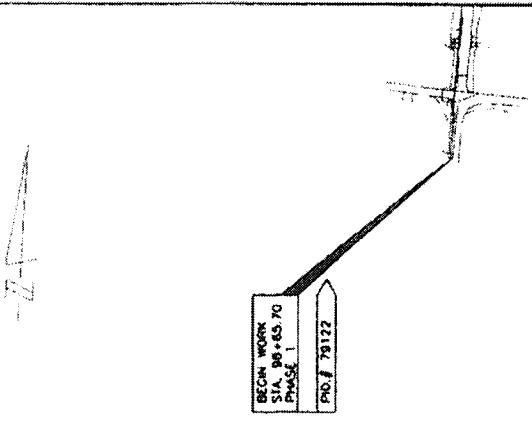
Please note names and addresses of those who submit comments in response to this public notice may be made publicly available. Thank you for your interest in our nation's water resources. If you have any questions concerning this public notice, please contact Peter Clingan of the North Regulatory Section at (614) 692-4654.

Ginger Mullins
Ginger Mullins
Chief, Regulatory Branch

(O)

Figure 1: Site Location Map
Location of State Route 124 Project Area
Troy Township, Athens County, Ohio



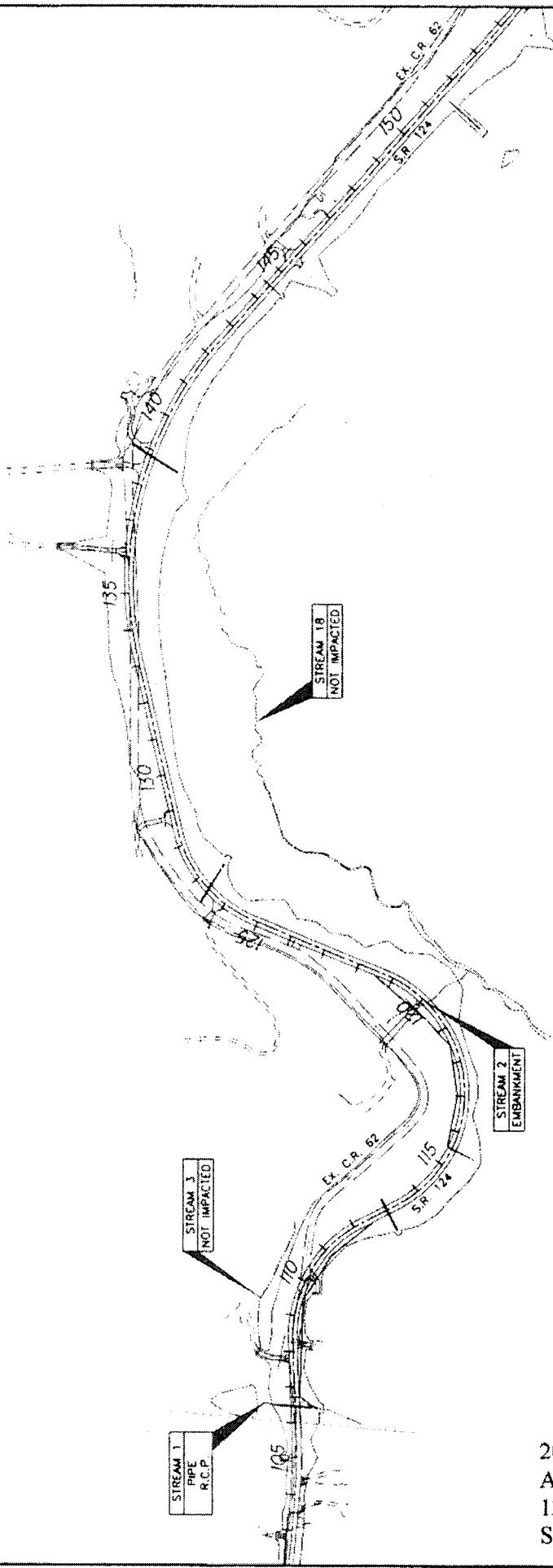


USACE 404 PERMIT AND CDA 401 WATER QUALITY CERTIFICATION APPLICATION	DATE: 2/20/07
FIGURE 1 OF 6	

PREFERRED ALTERNATIVE
ATH-124-0.90, PID 79122

2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 2 of 25





2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 3 of 25

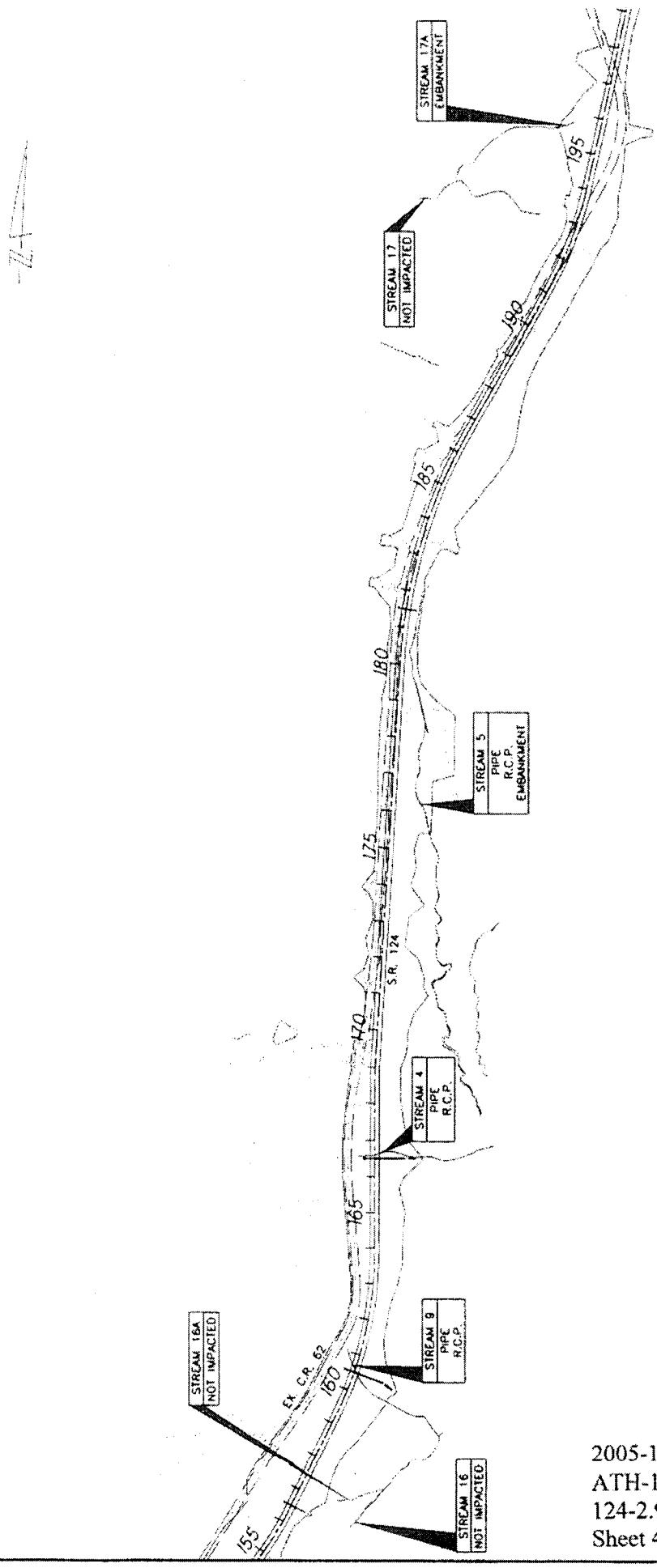


USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

PREFERRED ALTERNATIVE
ATH-124-0.91, PID 79122

FIGURE 2 OF 6



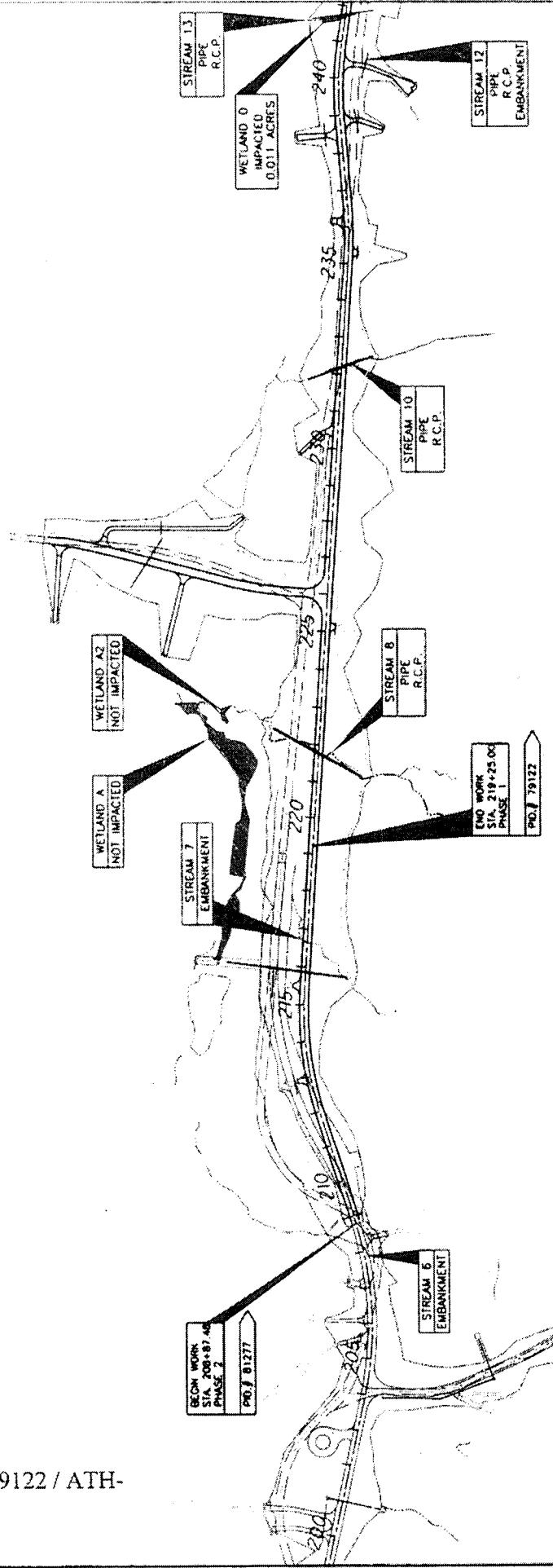
2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 4 of 25



PREFERRED ALTERNATIVE
ATH-124-0.90, PID 79122

USACE 404 PERMIT
4400 CLEPA 401 WATCH
QUALITY CERTIFICATION
APPLICATION

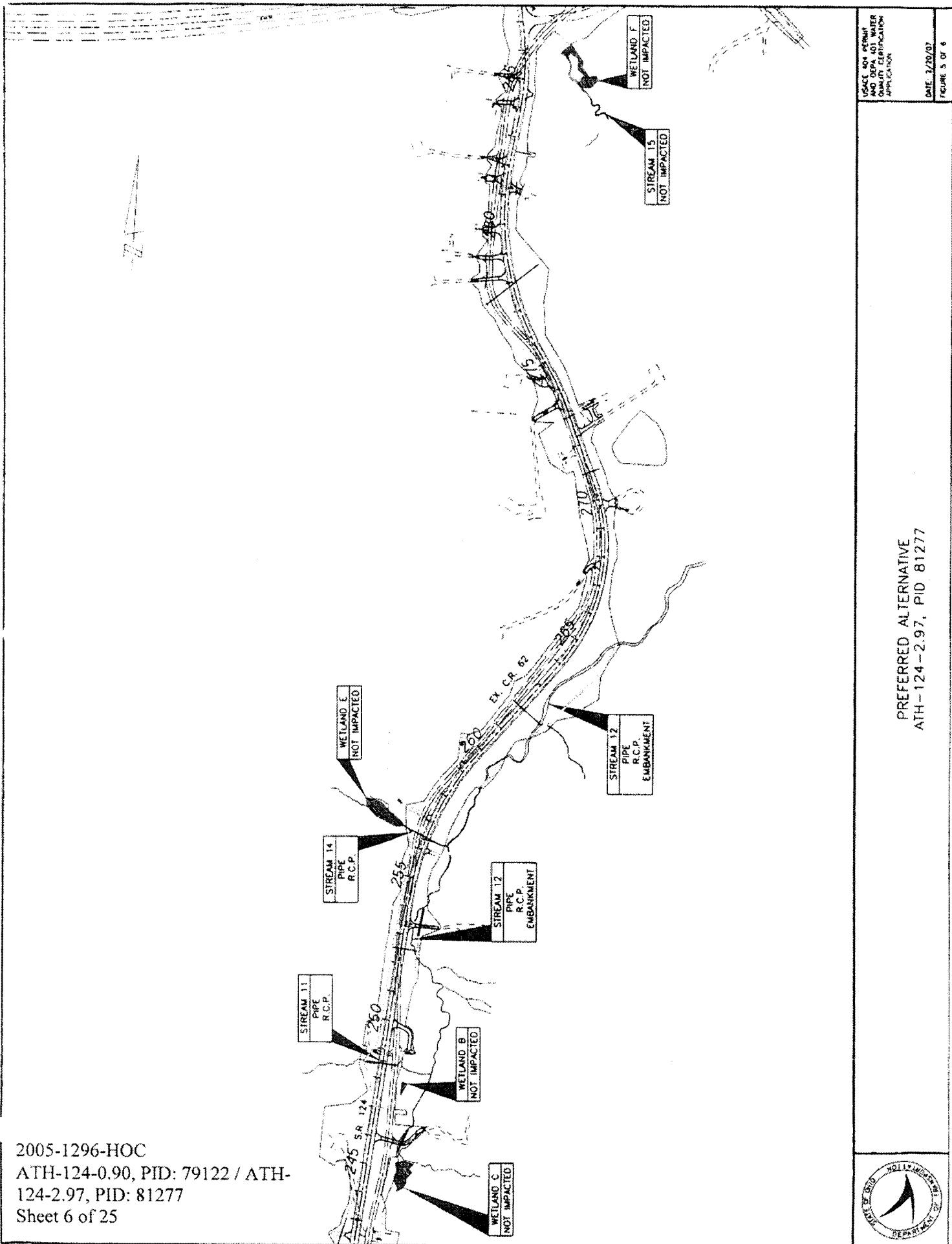
DATE: 2/20/07
SCENE 3 OF 6



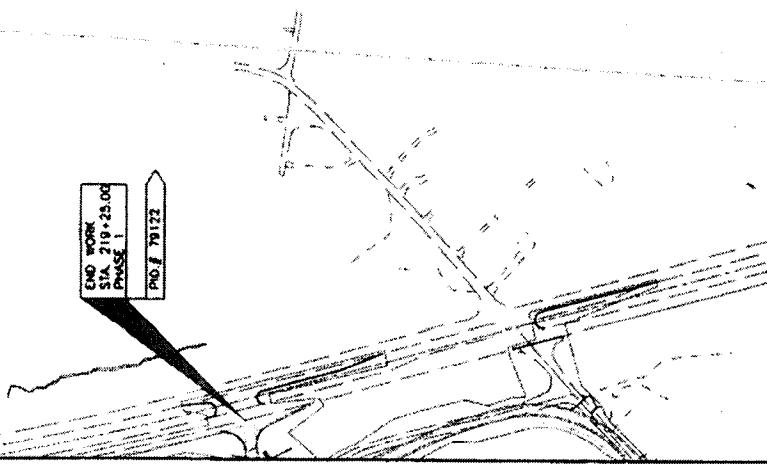
2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 5 of 25



USEPA 404 PERMIT AND DEPA 401 WATER QUALITY CERTIFICATION APPLICATION	DATE: 3/20/07
PREFERRED ALTERNATIVE ATH-124-0.90, PID 79122 ATH-124-2.97, PID 81277	FIGURE 4 OF 6



2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 7 of 25



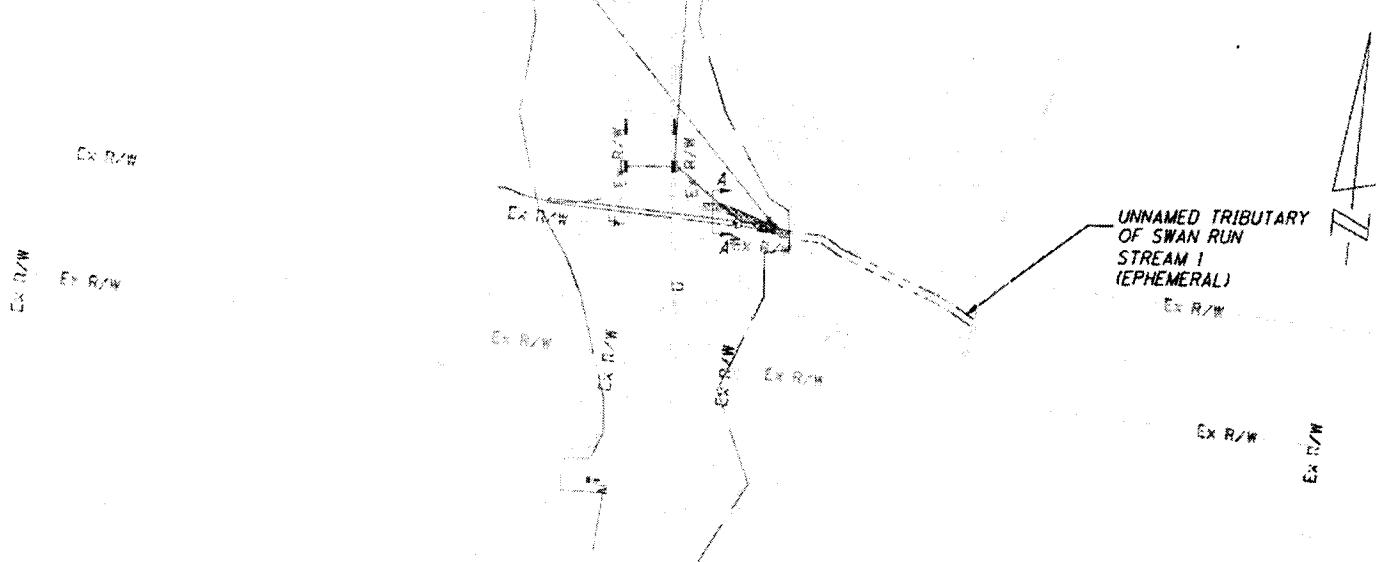
PREFERRED ALTERNATIVE
ATH-124-2.97, PID 81277

USEAGE ACT PERMIT
AND ODEA 401 WATER
QUALITY CERTIFICATION
APPLICATION
DATE: 2/20/07
FIGURE 6 OF 6

Stream 1

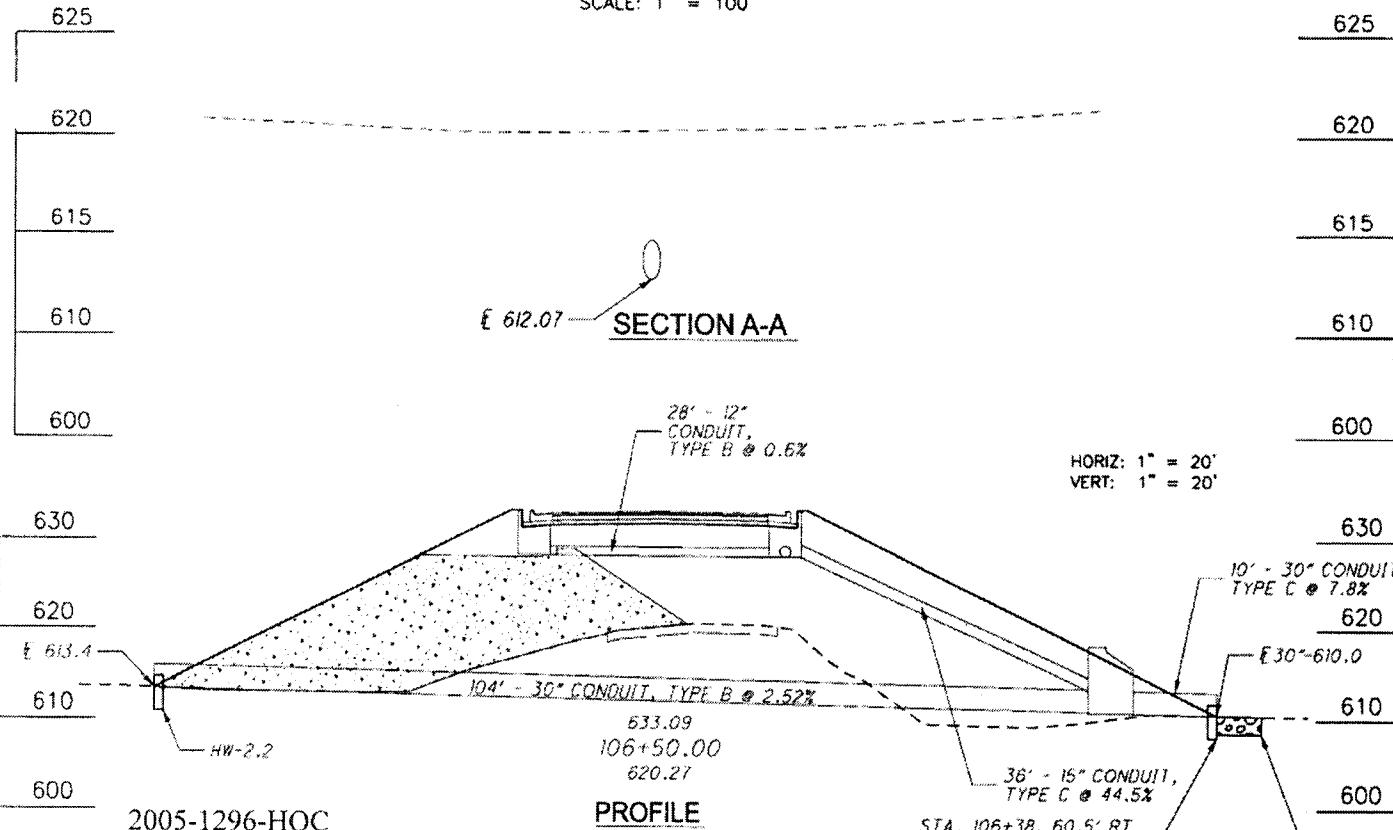
= Channel Disturbance (Below OHWM):	
Length of Channel Disturbed:	51 lf (0.001 ac)
Excavation Below OHWM:	5.00 cy
Fill Below OHWM:	44.00 cy
Pipe Fill:	39.00 cy
Rock Channel Protection	5.00 cy
Open Water (Pond) Fill:	0.00 cy

STA. 106+38, 60.5' RT.,
ROCK CHANNEL PROTECTION,
TYPE B WITH FILTER



STREAM 1 PLAN

SCALE: 1" = 100'



2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277

Sheet 8 of 25



CULVERT/SECTION/PROFILE PLAN FOR STREAM 1
ATH-124-0.90, PID 79122

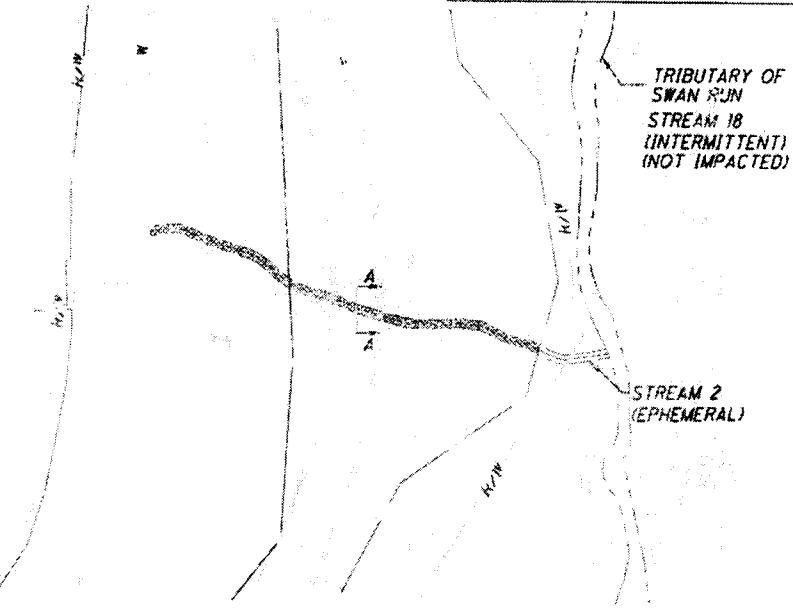
USEAC 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 1 OF 18

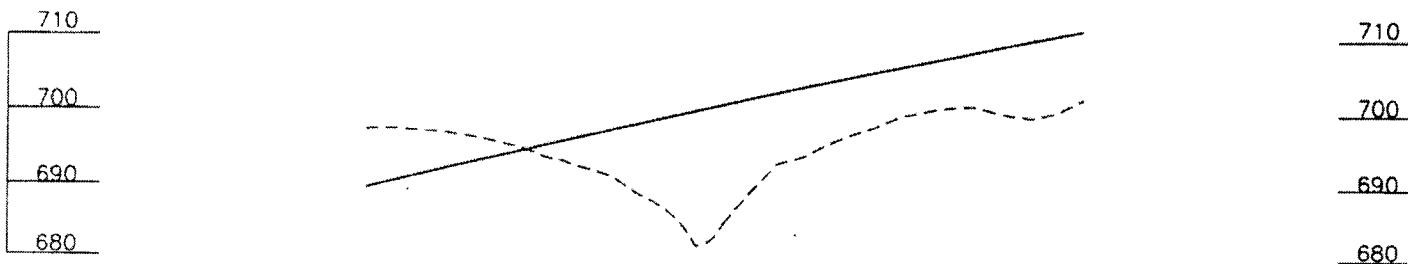
Stream 2

=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	234.00 ft (0.005 ac)
Excavation Below OHWM:	0.00 cu yd
Fill Below OHWM:	108.00 cu yd
Embankment:	108.00 cu yd
Rock Channel Protection	0.00 cu yd
Open Water (Pond) Fill:	0.00 cu yd



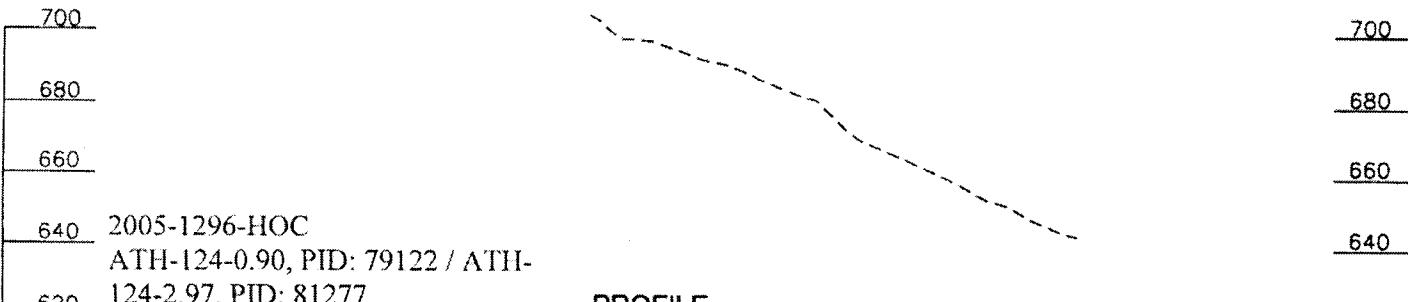
STREAM 2 PLAN

SCALE: 1" = 100'



SECTION A-A
STA. 119+85.00

HORIZ: 1" = 100'
VERT: 1" = 50'



2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 9 of 25

PROFILE
STREAM 2



CULVERT/SECTION/PROFILE PLAN FOR STREAM 2
ATH-124-0.90, PID 79122

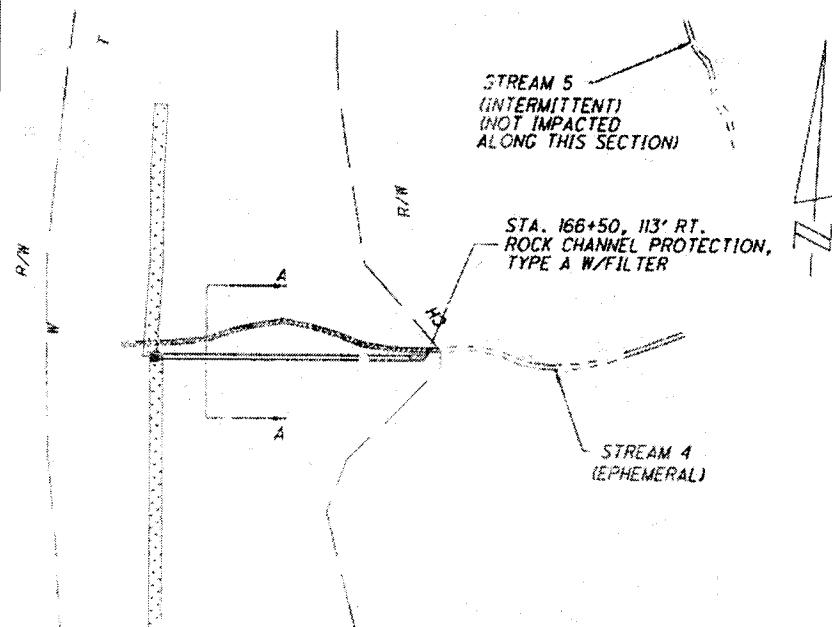
USACE 404 PERMIT
AND CEDA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 2 OF 18

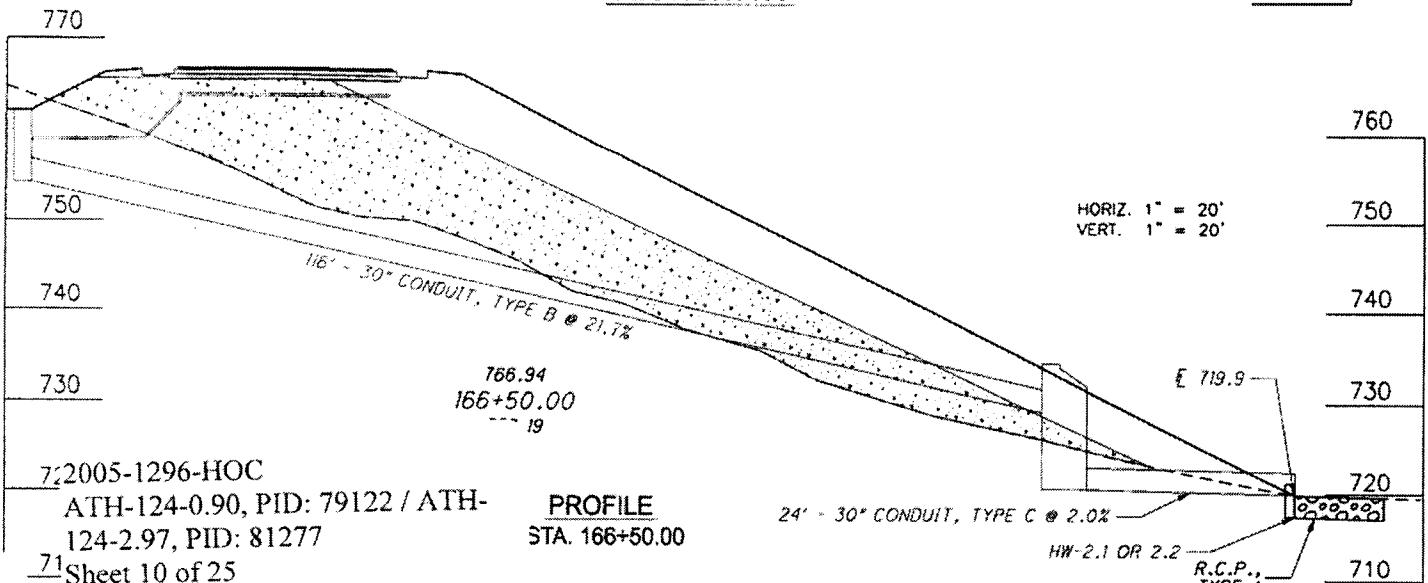
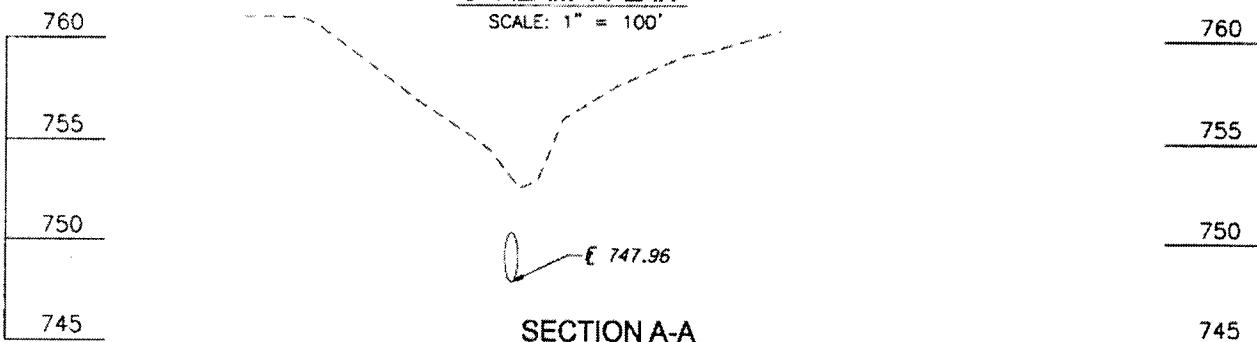
Stream 4

=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	194.00 ft (0.005 ac)
Excavation Below OHWM:	4.00 cu yd
Fill Below OHWM:	15.00 cu yd
Pipe Fill:	11.00 cu yd
Rock Channel Protection:	4.00 cu yd
Open Water (Pond) Fill:	0.00 cu yd



STREAM 4 PLAN

SCALE: 1" = 100'



CULVERT/SECTION/PROFILE PLAN FOR STREAM 4
ATH-124-0.90, PID 79122

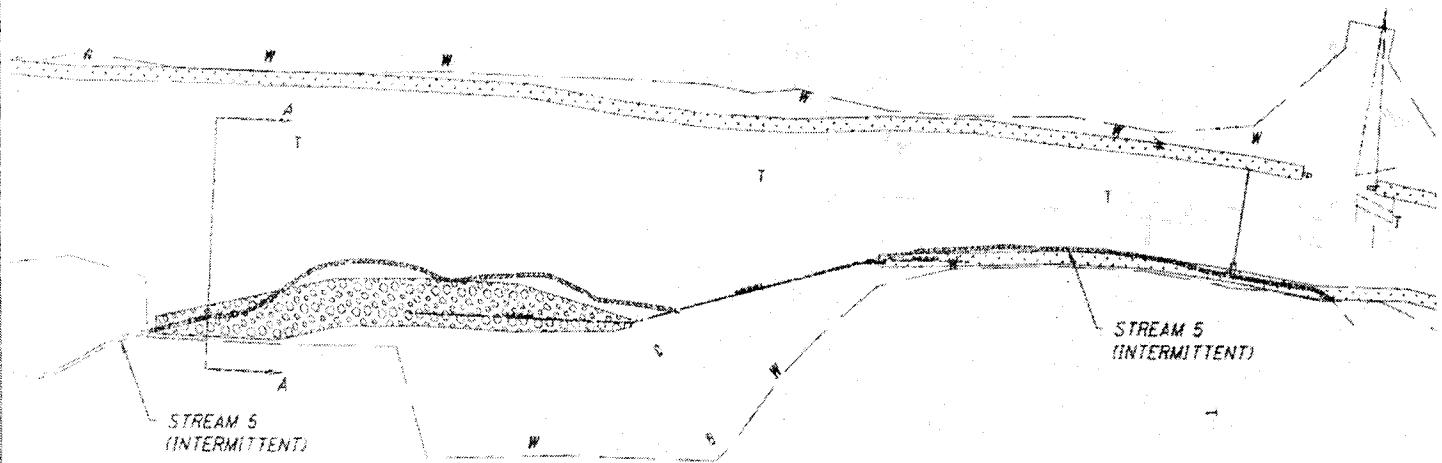
USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 3 OF 18

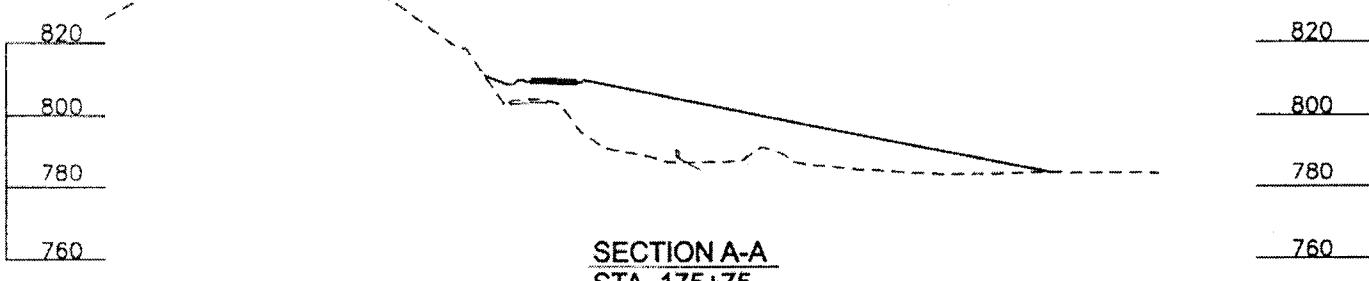
2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 11 of 25

Stream 5	
=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	570.00 ft (0.013 ac)
Excavation Below OHWM:	425.00 cy
Fill Below OHWM:	478.00 cy
Pipe Fill:	11.00 cy
Embankment:	42.00 cy
Rock Channel Protection	425.00 cy
Open Water (Pond) Fill:	0.00 cy

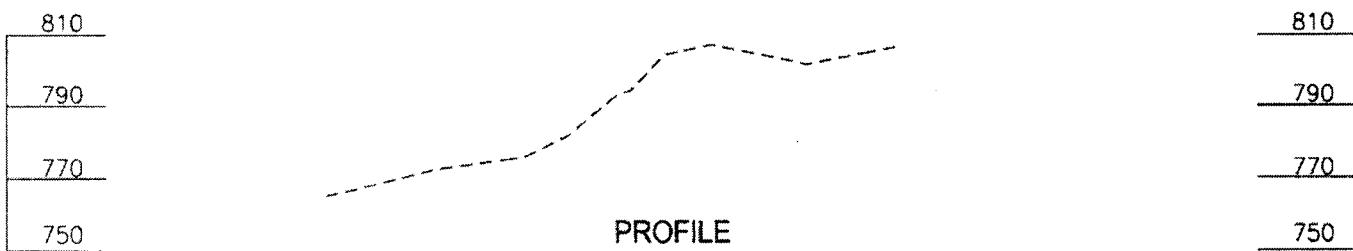


STREAM 5 PLAN

SCALE: 1" = 100'



HORIZ: 1" = 100'
VERT: 1" = 50'



CULVERT/SECTION/PROFILE PLAN FOR STREAM 5
ATH-124-0.90, PID 79122

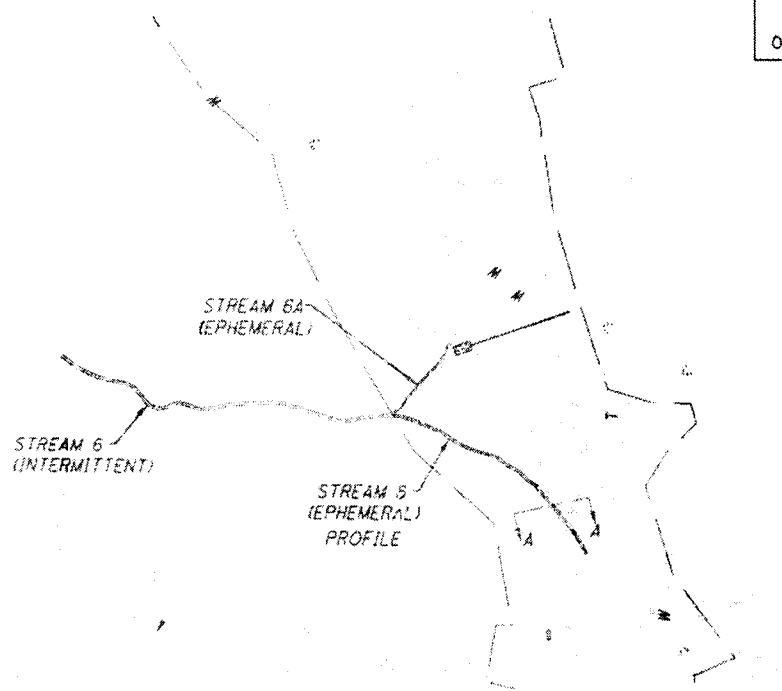
USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 4 OF 18

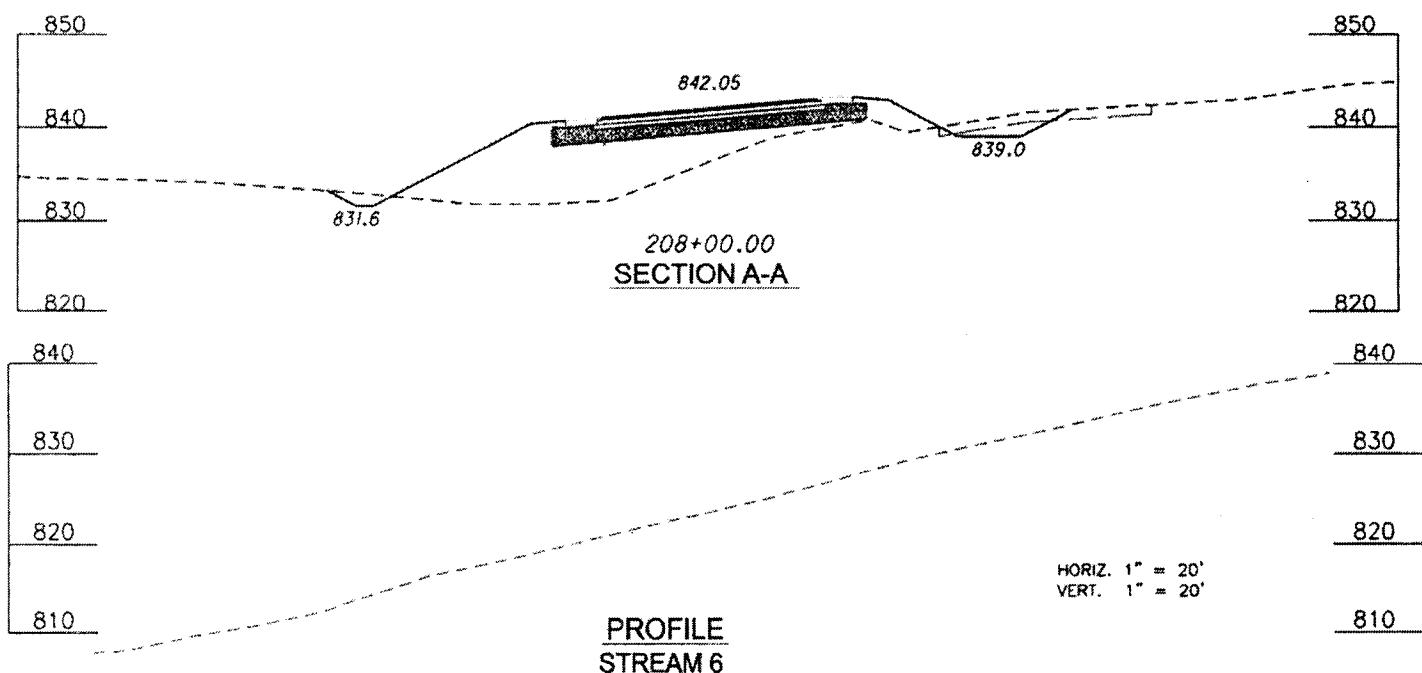
2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 12 of 25

Stream 6	
===== = Channel Disturbance (Below OHWM):	
Length of Channel Disturbed:	138.00 lf (0.003 ac)
Excavation Below OHWM:	0.00 cy
Fill Below OHWM:	0.30 cy
Embankment:	0.30 cy
Rock Channel Protection	0.00 cy
Open Water (Pond) Fill:	0.00 cy



STREAM 6 PLAN

SCALE: 1" = 100'



CULVERT/SECTION/PROFILE PLAN FOR STREAM 6
ATH-124-0.90, PID 79122

USEAC 404 PERMIT
AND DEPA 407 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 5 OF 18

2005-1296-HOC

ATH-124-0.90, PID: 79122 / ATH-

124-2.97, PID: 81277

Sheet 13 of 25

Stream 6A

_____ = Channel Disturbance (Below OHWM);

Length of Channel Disturbed: 52.00 lf (0.001 ac)

3.00 cy

Excavation Below OHWM: 4.00 cy

Pipe Fill: 1.00 cy

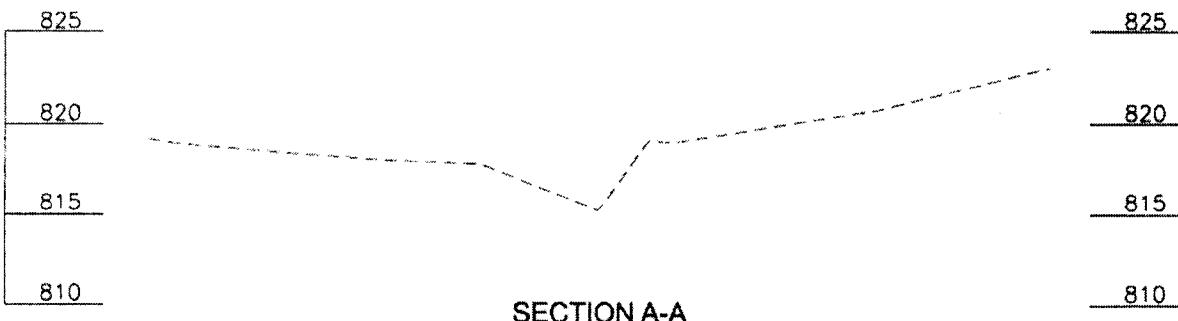
Rock Channel Protection 3.00 cy

Open Water (Pond) Fill: 0.00 cy

STREAM 6A
(EPHEMERAL)
STREAM 6
(INTERMITTENT)
STREAM 5
(EPHEMERAL)

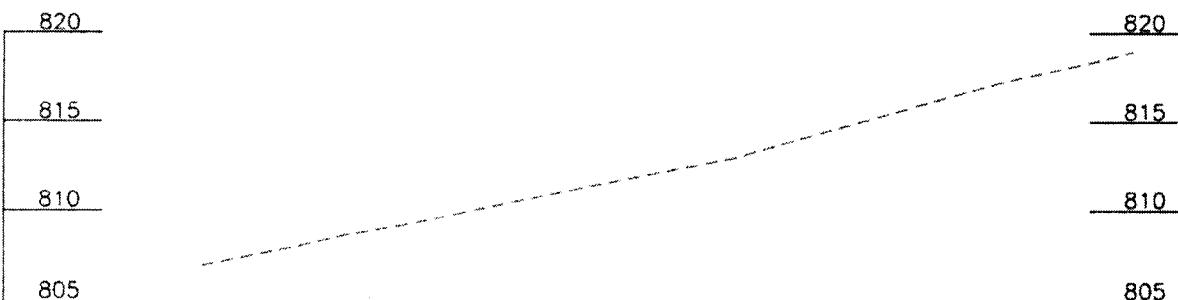
STREAM 6A PLAN

SCALE: 1" = 100'



SECTION A-A

HORIZ. 1" = 10'
VERT. 1" = 10'



PROFILE
STA. 209+00



CULVERT/SECTION/PROFILE PLAN FOR STREAM 6A
ATH-124-0.90, PID 79122

USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 6 OF 18

2005-1296-HOC

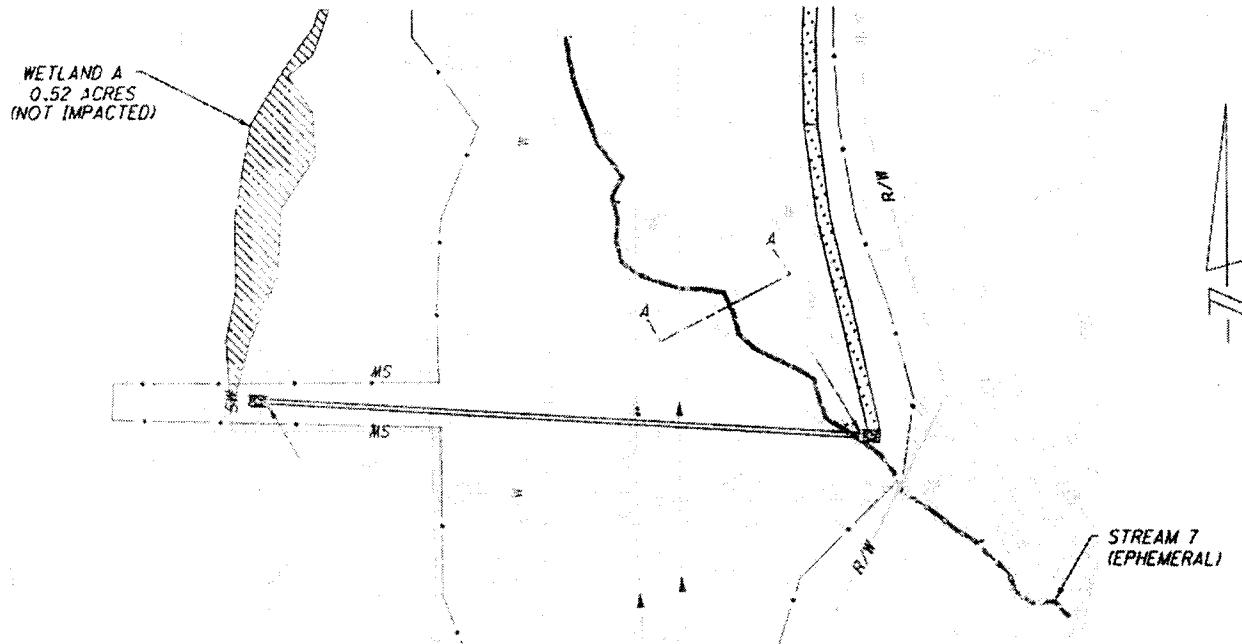
ATH-124-0.90, PID: 79122 / ATH-

124-2.97, PID: 81277

Sheet 14 of 25

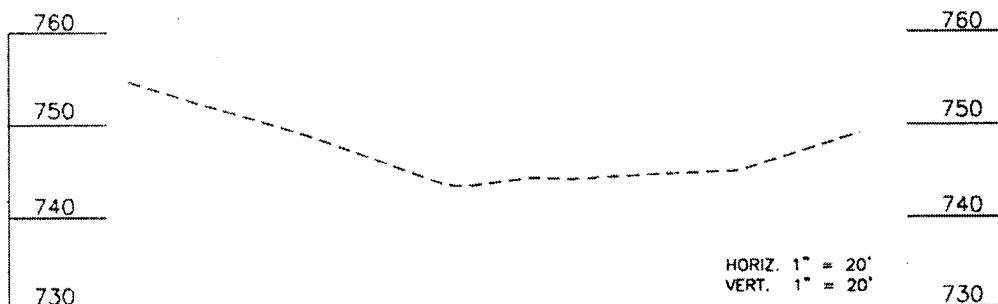
Stream 7

= Channel Disturbance (Below OHWM):	
Length of Channel Disturbed:	342.0 lf (0.008 ac)
Excavation Below OHWM:	7.00 cy
Fill Below OHWM:	23.00 cy
Pipe Fill:	16.00 cy
RipRap Protection	7.00 cy
Open Water (Pond) Fill:	0.00 cy

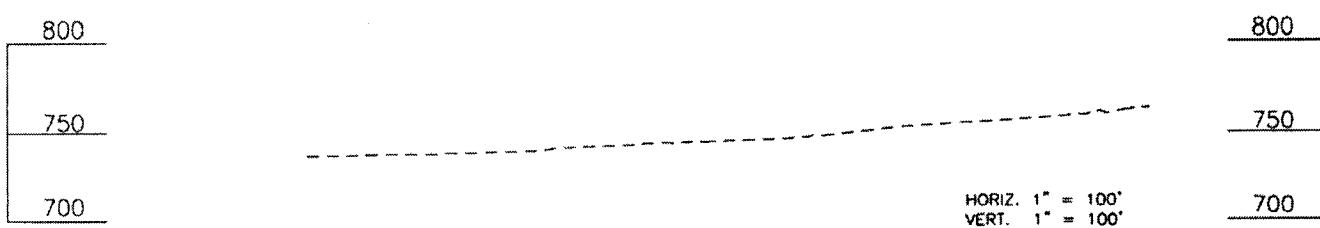


STREAM 7 PLAN

SCALE: 1" = 100'



SECTION A-A



**PROFILE
STREAM 7**



CULVERT/SECTION/PROFILE PLAN FOR STREAM 7
ATH-124-2.97, PID 81277

USAGE 404 PERMIT
AND CEDA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07
FIGURE 7 OF 18

2005-1296-HOC

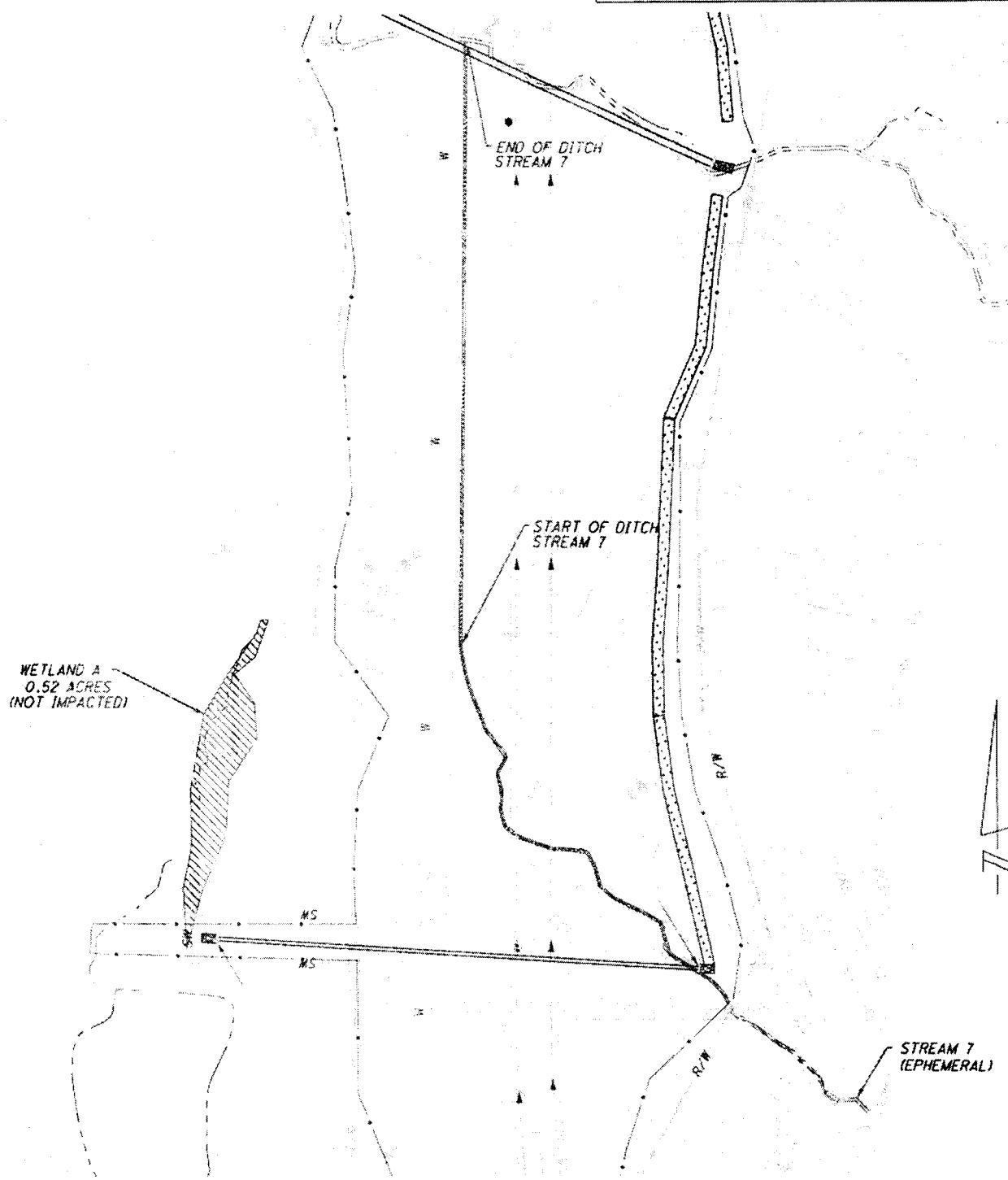
ATH-124-0.90, PID: 79122 / ATH-

124-2.97, PID: 81277

Sheet 15 of 25

Stream 7 Roadside Ditch

=====	= Channel Disturbance (Below OHWM):	406.00 ft (0.008 ac)
Length of Channel Disturbed:	406.00 ft (0.008 ac)	
Excavation Below OHWM:	0.00 cy	
Fill Below OHWM:	20.00 cy	
Embankment:	20.00 cy	
Rock Channel Protection	0.00 cy	
Open Water (Pond) Fill:	0.00 cy	



STREAM 7 DITCH PLAN

SCALE: 1" = 100'



ROADSIDE DITCH PLAN FOR STREAM 7
ATH-124-2.97, PID 81277

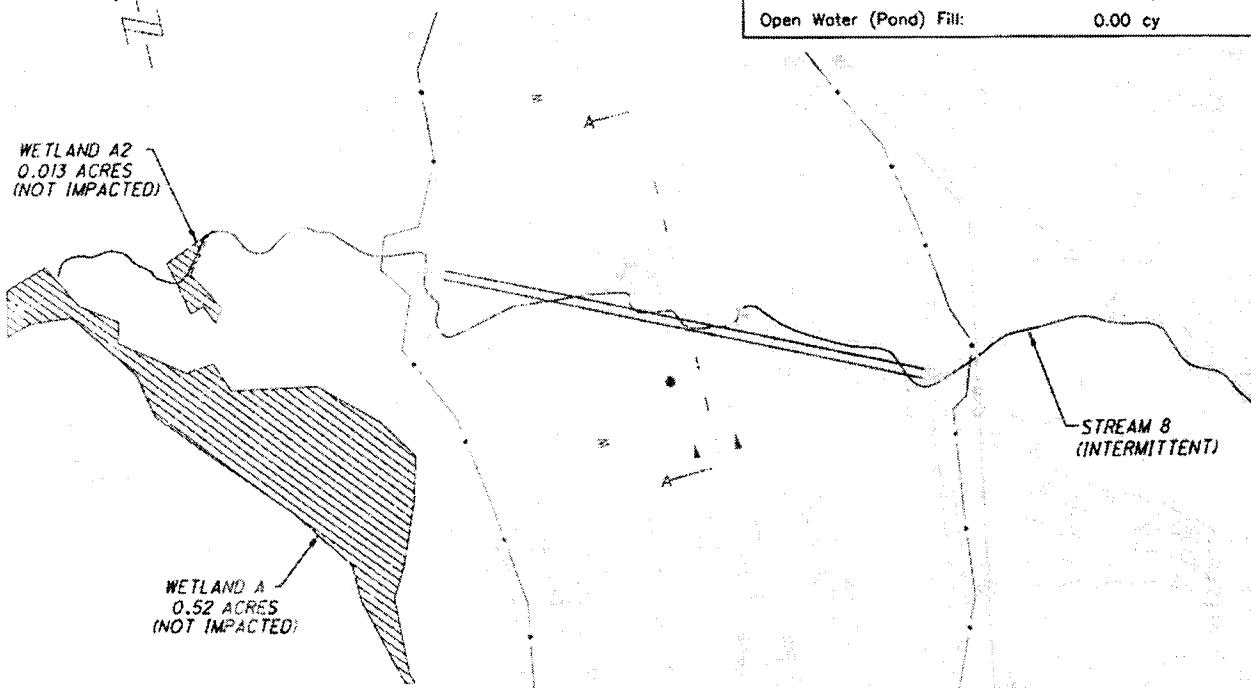
USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 8 OF 18

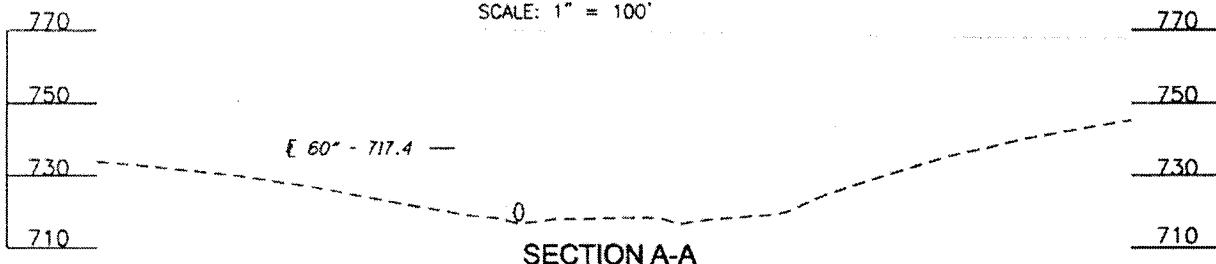
2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 16 of 25

Stream 8	
	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	363.00 ft (0.008 ac)
Excavation Below OHWM:	7.00 cy
Fill Below OHWM:	49.00 cy
Pipe Fill:	42.00 cy
Rock Channel Protection	7.00 cy
Open Water (Pond) Fill:	0.00 cy

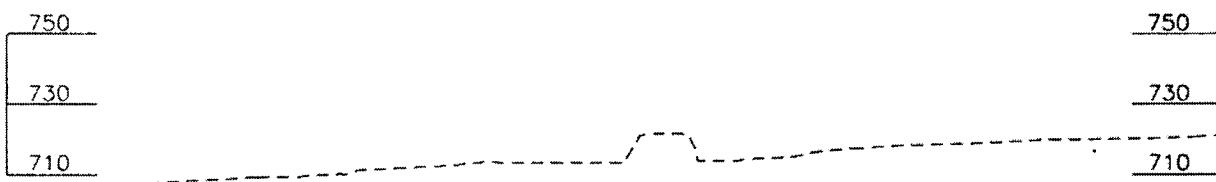


STREAM 8 PLAN

SCALE: 1" = 100'



HORIZ. 1" = 100'
VERT. 1" = 50'



PROFILE STREAM 8



CULVERT/SECTION/PROFILE PLAN FOR STREAM 8
ATH-124-2.97, PID 81277

USACE 404 PERMIT
AND OEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

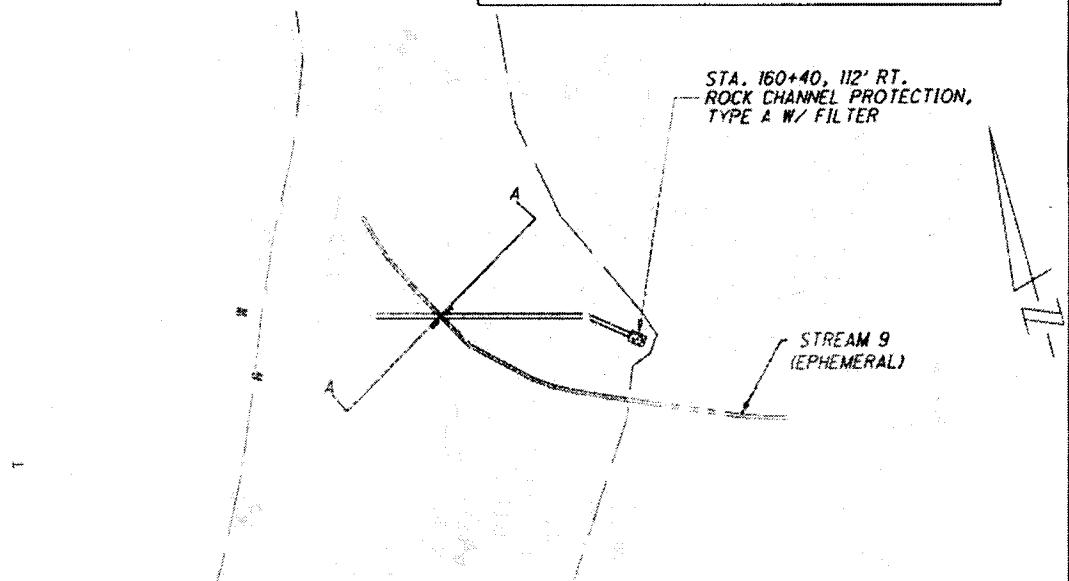
FIGURE 9 OF 18

2005-1296-HOC

ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 17 of 25

Stream_9

=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	186.00 ft (0.004 ac)
Excavation Below OHWM:	0.00 cu
Fill Below OHWM:	4.00 cu
Pipe Fill:	4.00 cu
Rock Channel Protection	7.22 cu
Open Water (Pond) Fill:	0.00 cu



STREAM 9 PLAN

SCALE: 1" = 100'

790

790

770

770

750

750

730

730

710

710

SECTION A-A

HORIZ. 1" = 100'
VERT. 1" = 50'

780

780

760

760

740

740

720

720

700

700

**PROFILE
STREAM 9**



CULVERT/SECTION/PROFILE PLAN FOR STREAM 9
ATH-124-0.90

USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

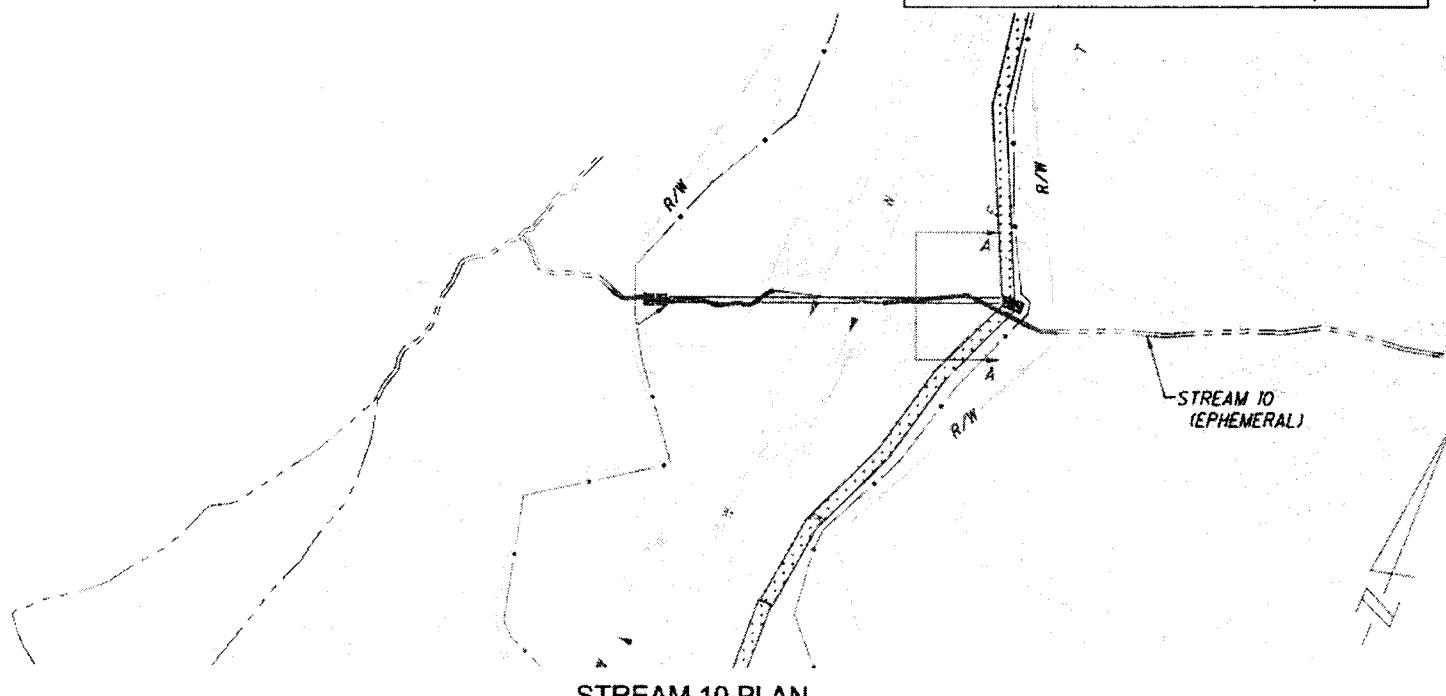
DATE: 2/20/07

FIGURE 10 OF 18

2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 18 of 25

Stream 10

=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	161.00 lf (0.004 ac)
Excavation Below OHWM:	7.00 cy
Fill Below OHWM:	12.00 cy
Pipe Fill:	5.00 cy
Rock Channel Protection	7.00 cy
Open Water (Pond) Fill:	0.00 cy



STREAM 10 PLAN

SCALE: 1" = 100'

780

770

760

750

E 744.91

SECTION A-A

HORIZ. 1" = 100'
VERT. 1" = 20'

750

750

740

740

730

730

720

720

PROFILE
STREAM 10



CULVERT/SECTION/PROFILE PLAN FOR STREAM 10
ATH-124-2.97, PID 81277

USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

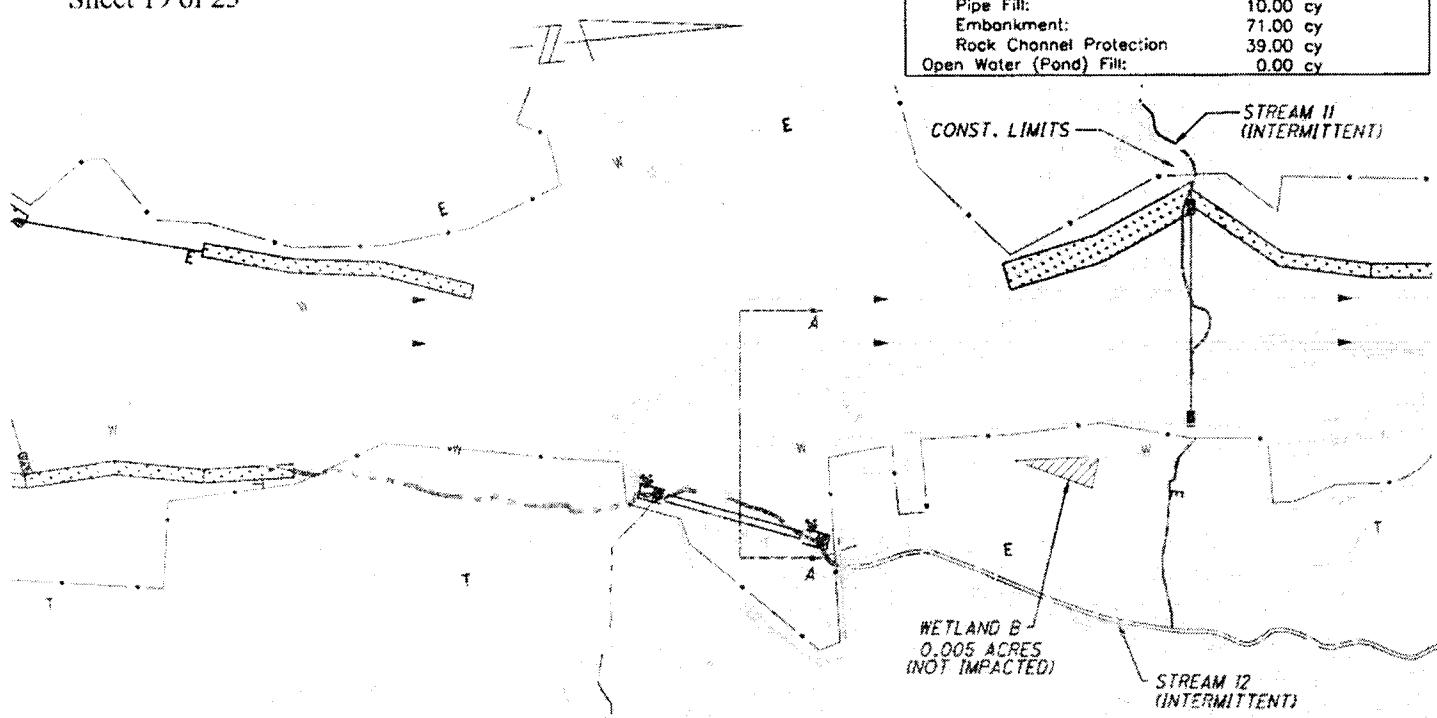
DATE: 2/20/07

FIGURE 11 OF 18

2005-1296-HOC

ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 19 of 25

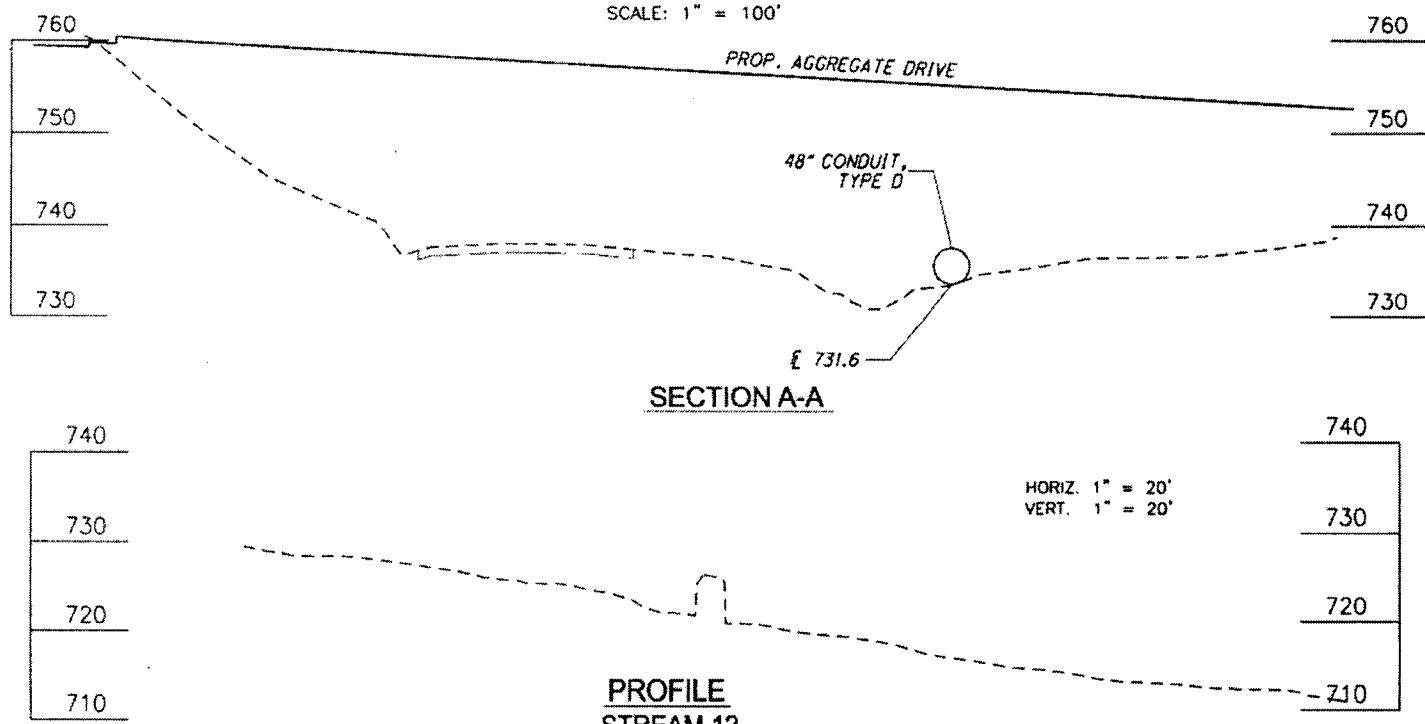
Stream 12	
=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	963.00 ft (0.022 ac)
Excavation Below OHWM:	0.00 cu
Fill Below OHWM:	120.00 cu
Pipe Fill:	10.00 cu
Embankment:	71.00 cu
Rock Channel Protection	39.00 cu
Open Water (Pond) Fill:	0.00 cu



STREAM 12 PLAN

SCALE: 1" = 100'

PROP. AGGREGATE DRIVE



CULVERT/SECTION/PROFILE PLAN FOR STREAM 12
ATH-124-2.97, PID 81277

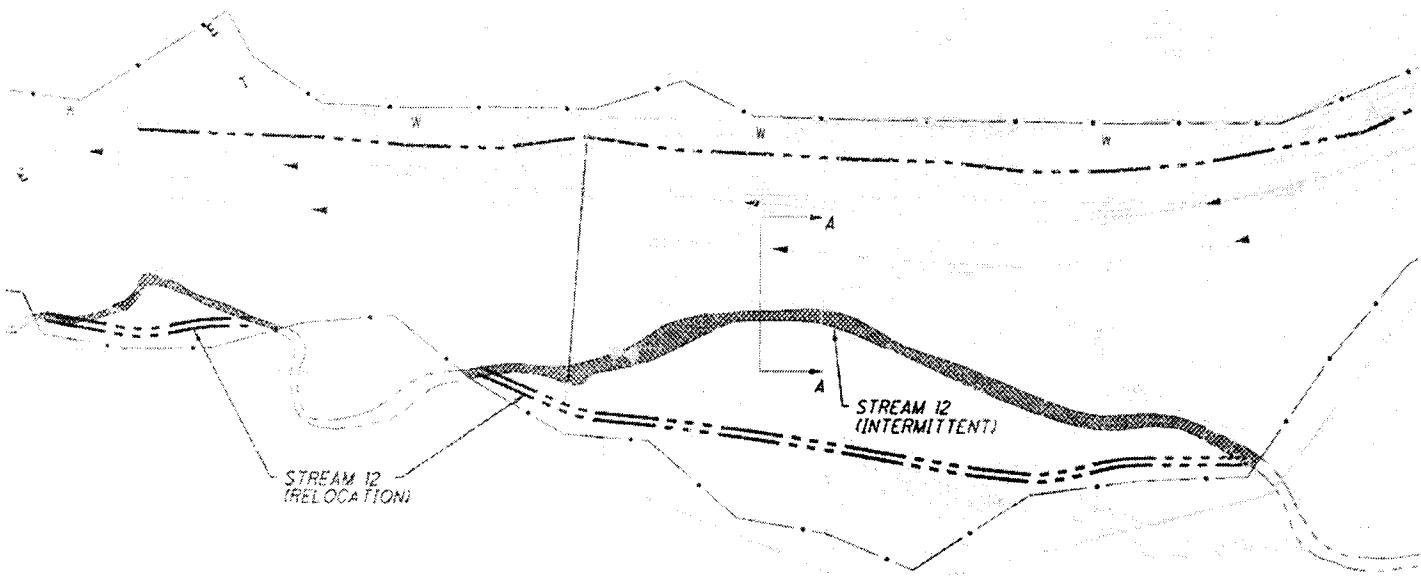
USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 13 OF 18

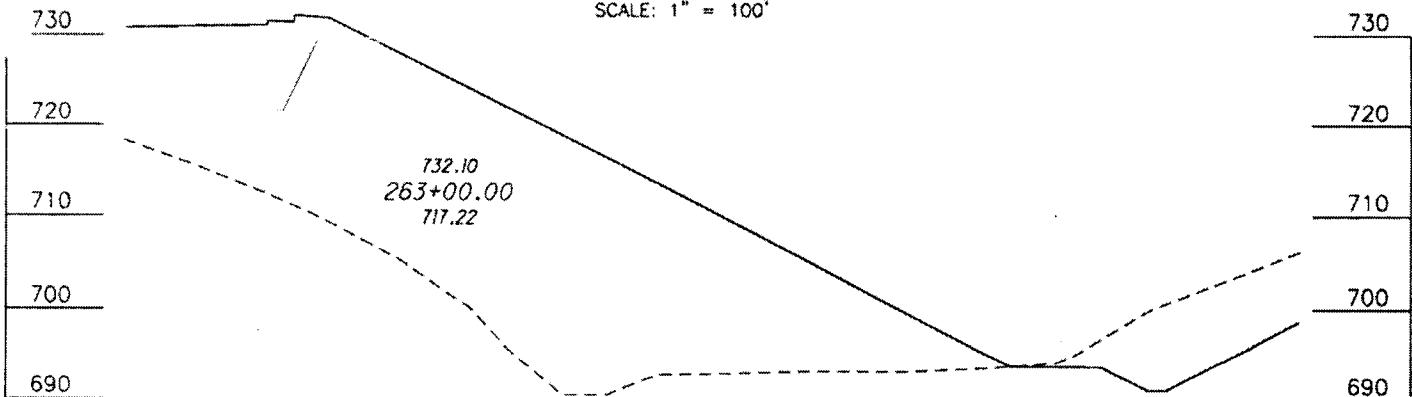
2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 20 of 25

Stream 12	
-----	= Stream Relocation
=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	963.00 ft (0.022 ac)
Excavation Below OHWM:	0.00 cu
Fill Below OHWM:	120.00 cu
Pipe Fill:	10.00 cu
Embankment:	71.00 cu
Rock Channel Protection	39.00 cu
Open Water (Pond) Fill:	0.00 cu



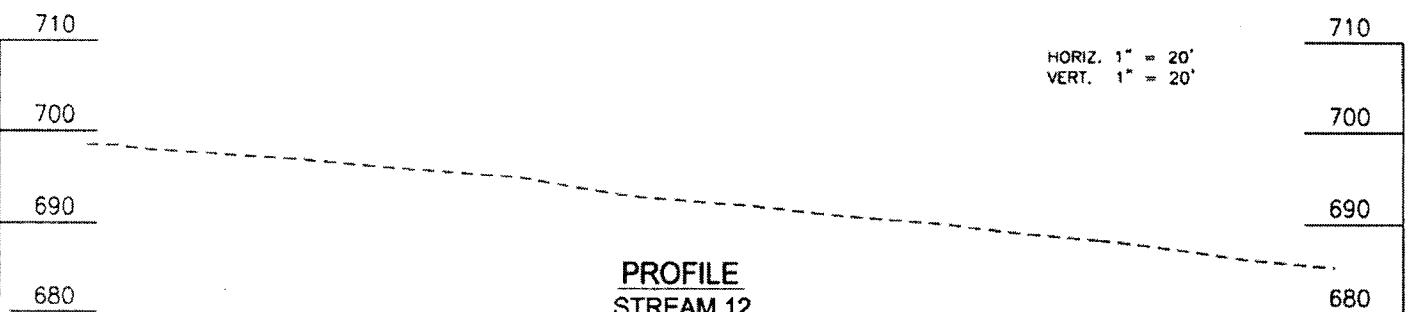
STREAM 12 PLAN

SCALE: 1" = 100'



SECTION A-A

HORIZ. 1" = 20'
VERT. 1" = 20'



PROFILE STREAM 12



CULVERT/SECTION/PROFILE PLAN FOR STREAM 12
ATH-124-2.97, PID 81277

USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 14 OF 18

2005-1296-HOC

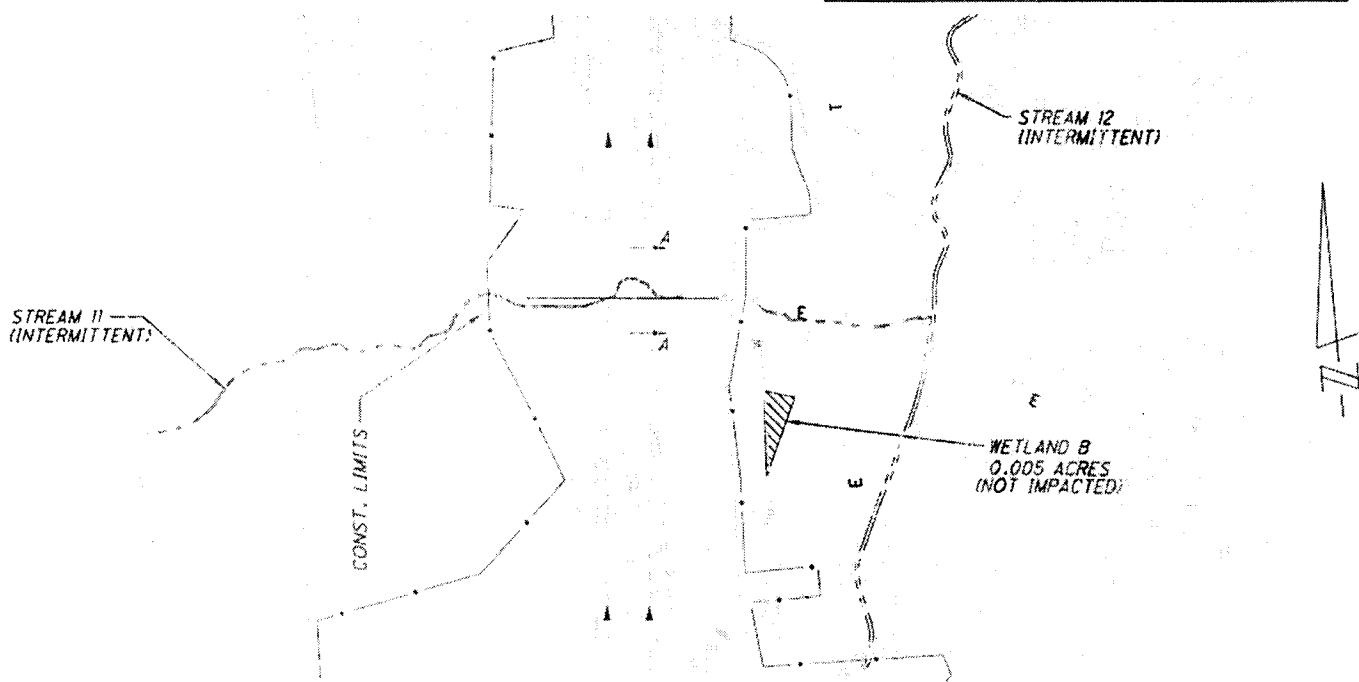
ATH-124-0.90, PID: 79122 / ATH-

124-2.97, PID: 81277

Sheet 21 of 25

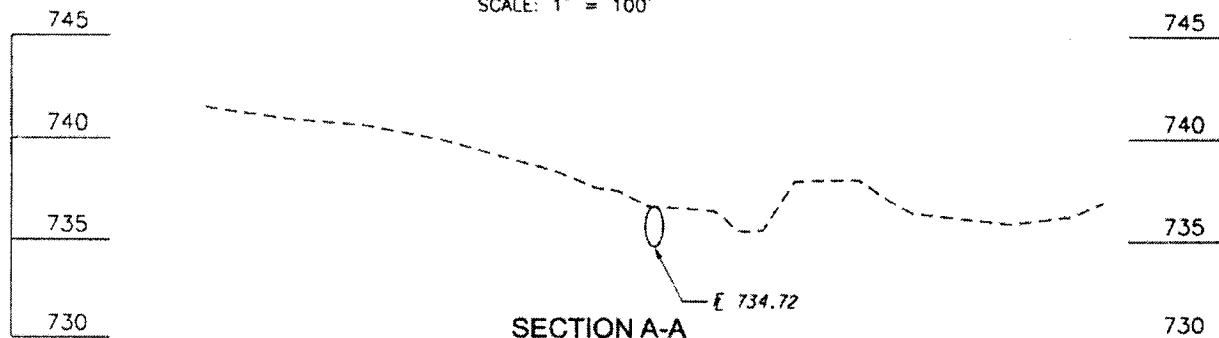
Stream 11

■	= Channel Disturbance (Below OHWM):
	Length of Channel Disturbed: 119.00 ft (0.003 ac)
	Excavation Below OHWM: 2.00 cy
	Fill Below OHWM: 4.00 cy
	Pipe Fill: 2.00 cy
	Rock Channel Protection: 2.00 cy
	Open Water (Pond) Fill: 0.00 cy

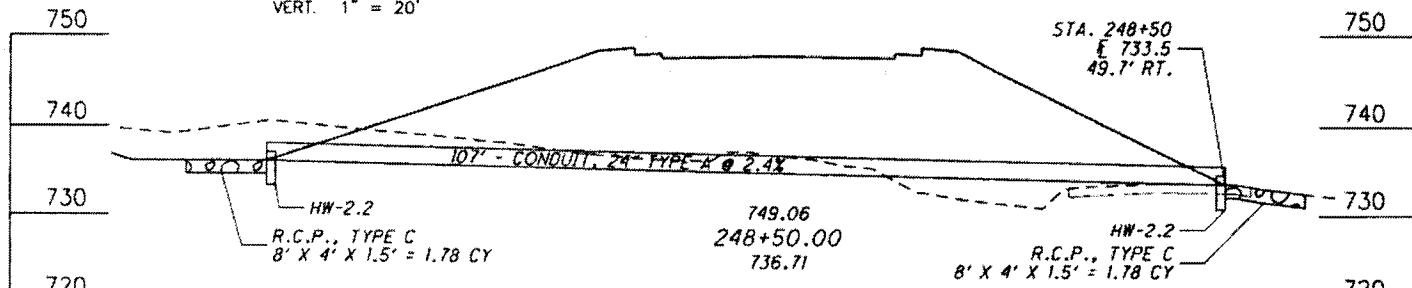


STREAM 11 PLAN

SCALE: 1" = 100'



HORIZ. 1" = 20'
VERT. 1" = 20'



PROFILE
STA. 248+50.00



CULVERT/SECTION/PROFILE PLAN FOR STREAM 11
ATH-124-2.97, PID 81277

USACE 404 PERMIT
AND ODEA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

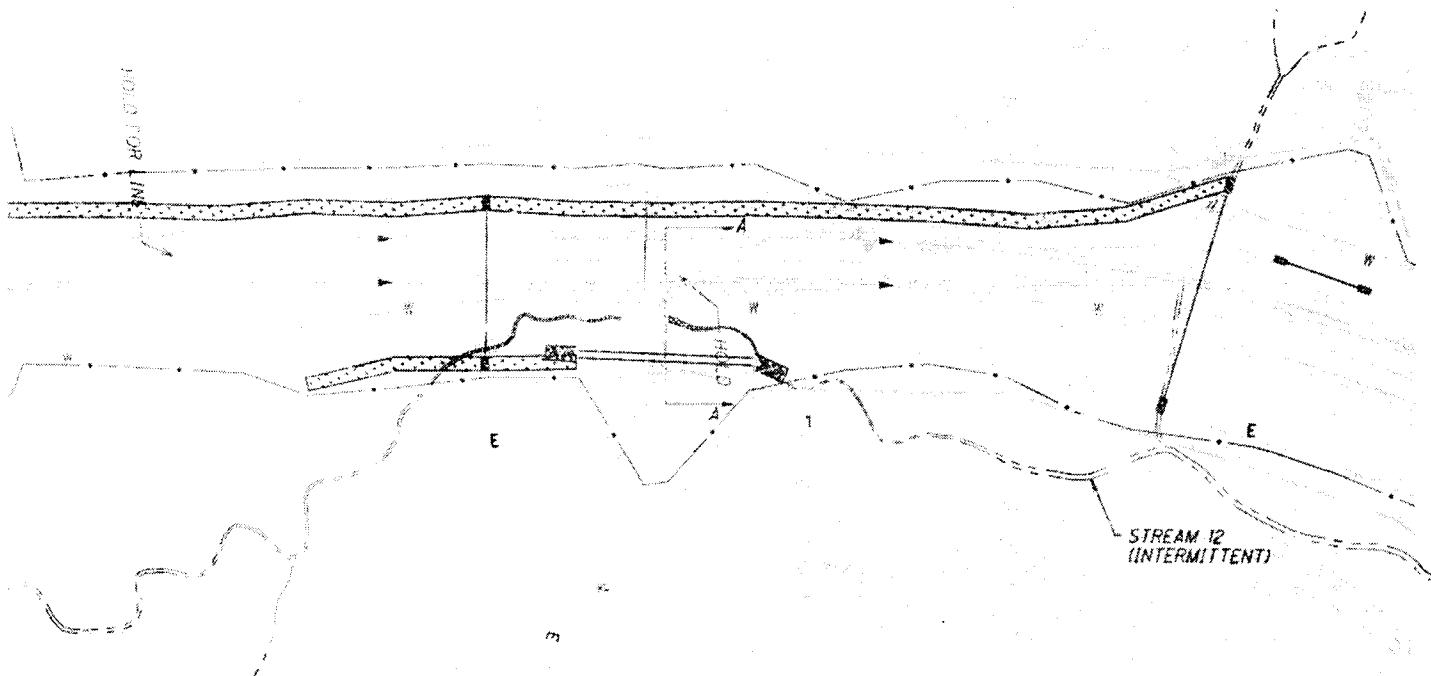
FIGURE 12 OF 18

2005-1296-HOC

ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 22 of 25

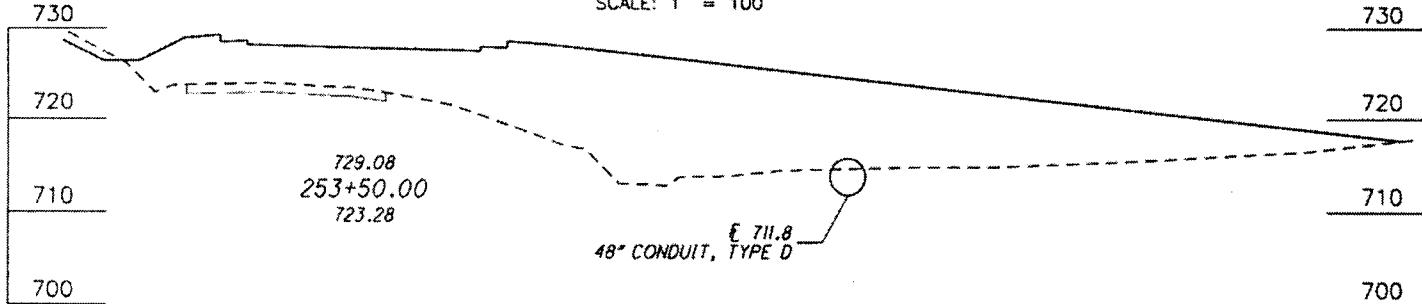
Stream 12

[Symbol]	= Channel Disturbance (Below OHWM):
	Length of Channel Disturbed: 963.00 ft (0.022 ac)
	Excavation Below OHWM: 0.00 cy
	Fill Below OHWM: 120.00 cy
	Pipe Fill: 10.00 cy
	Embankment: 71.00 cy
	Rock Channel Protection 39.00 cy
	Open Water (Pond) Fill: 0.00 cy



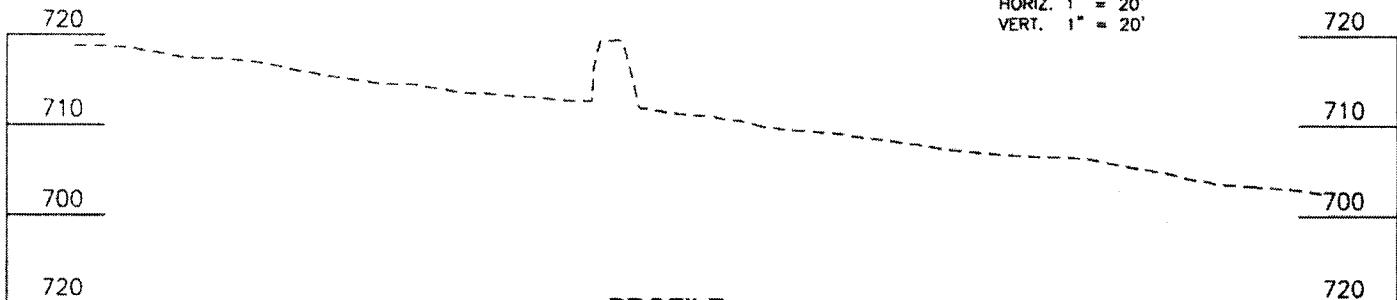
STREAM 12 PLAN

SCALE: 1" = 100'



SECTION A-A

HORIZ. 1" = 20'
VERT. 1" = 20'



PROFILE
STREAM 12



CULVERT/SECTION/PROFILE PLAN FOR STREAM 12
ATH-124-2.97, PID 81277

USEAC 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 15 OF 18

Wetland_D

	= Total Wetland Loss (0.011 ac)
Area Excavated or Filled (within construction limits):	
Excavation Below OHWM:	0.00 cy
Fill Below OHWM:	0.80 cy
Direct Wetland Loss (outside construction limits):	0 ac

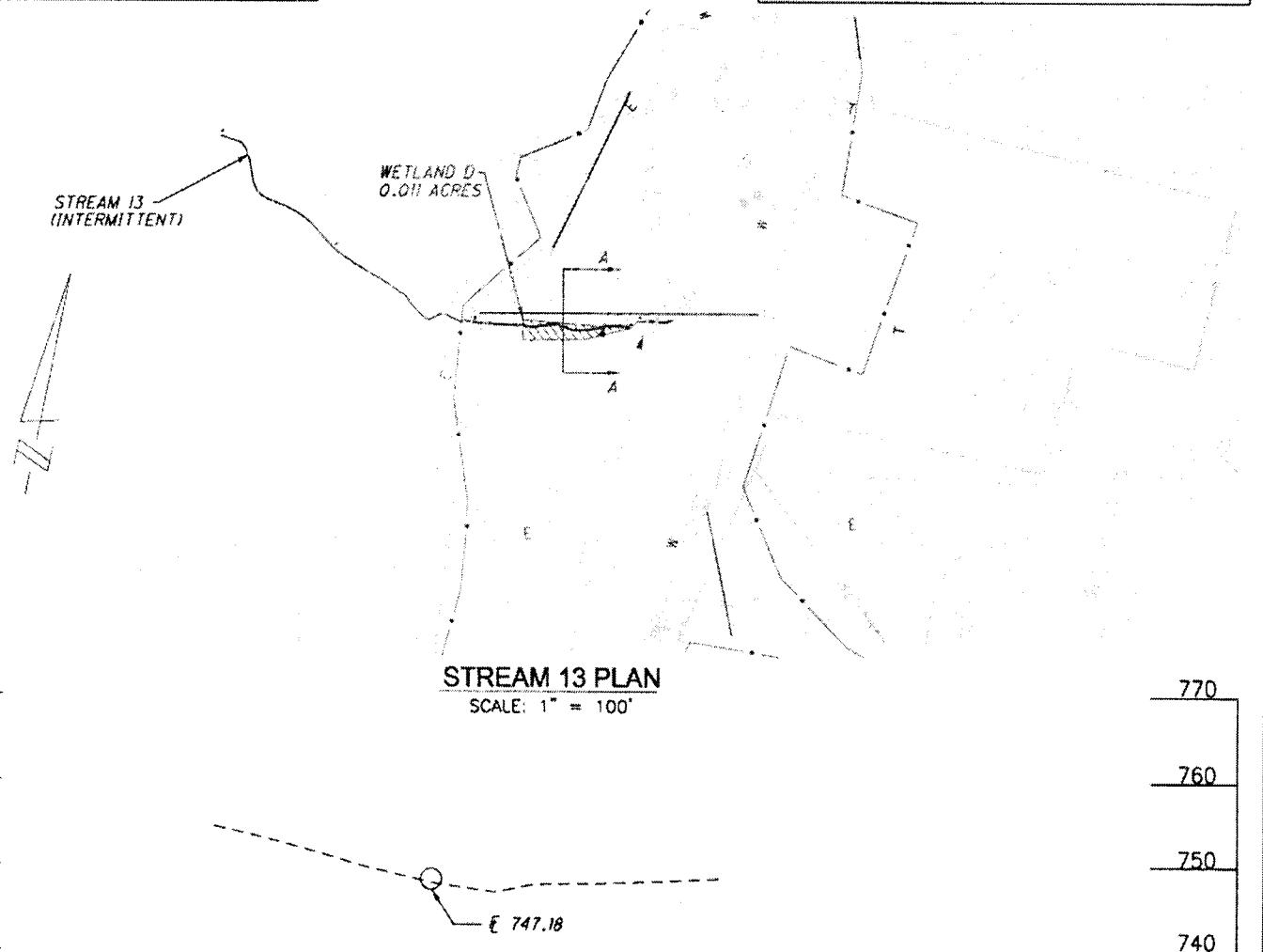
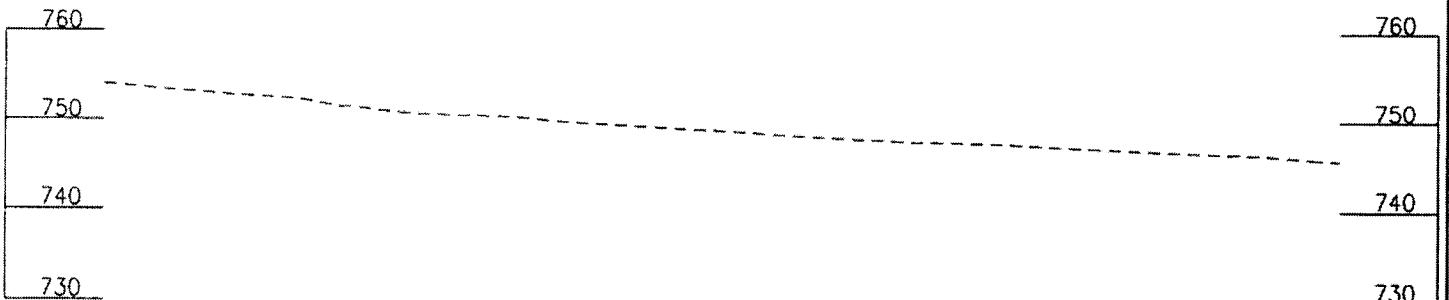
2005-1296-HOC

ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277

Sheet 23 of 25

Stream_13

	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	122.00 ft (0.003 ac)
Excavation Below OHWM:	2.00 cy
Fill Below OHWM:	3.00 cy
Pipe Fill:	1.00 cy
Rock Channel Protection	2.00 cy
Open Water (Pond) Fill:	0.00 cy

**SECTION A-A**HORIZ. 1" = 20'
VERT. 1" = 20'**PROFILE
STREAM 13**CULVERT/SECTION/PROFILE PLAN FOR STREAM 13
ATH-124-2.97, PID 81277USACE 404 PERMIT
AND ODEA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 16 OF 18

2005-1296-HOC
ATH-124-0.90, PID: 79122 / ATH-
124-2.97, PID: 81277
Sheet 24 of 25

Stream 14

= Channel Disturbance (Below OHWM):	
Length of Channel Disturbed:	109.00 ft (0.003 ac)
Excavation Below OHWM:	2.00 cy
Fill Below OHWM:	13.00 cy
Pipe Fill:	11.00 cy
Rock Channel Protection	2.00 cy
Open Water (Pond) Fill:	0.00 cy

WETLAND E
0.114 ACRES
(NOT IMPACTED)

STREAM 14
(INTERMITTENT)

STREAM 12
(INTERMITTENT)

STREAM 14 PLAN

SCALE: 1" = 100'

715

715

710

710

705

705

700

700

SECTION A-A

730

730

720

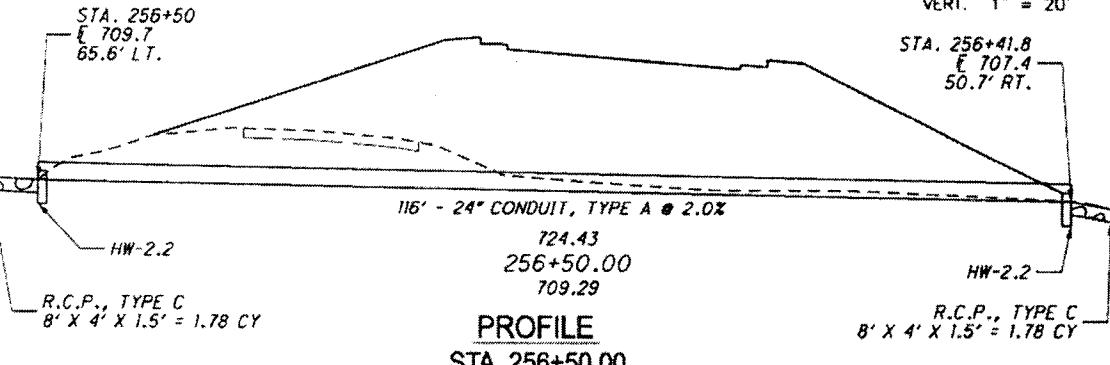
720

710

710

700

700



R.C.P.: TYPE C
8' X 4' X 1.5' = 1.78 CY



CULVERT/SECTION/PROFILE PLAN FOR STREAM 14
ATH-124-2.97, PID 81277

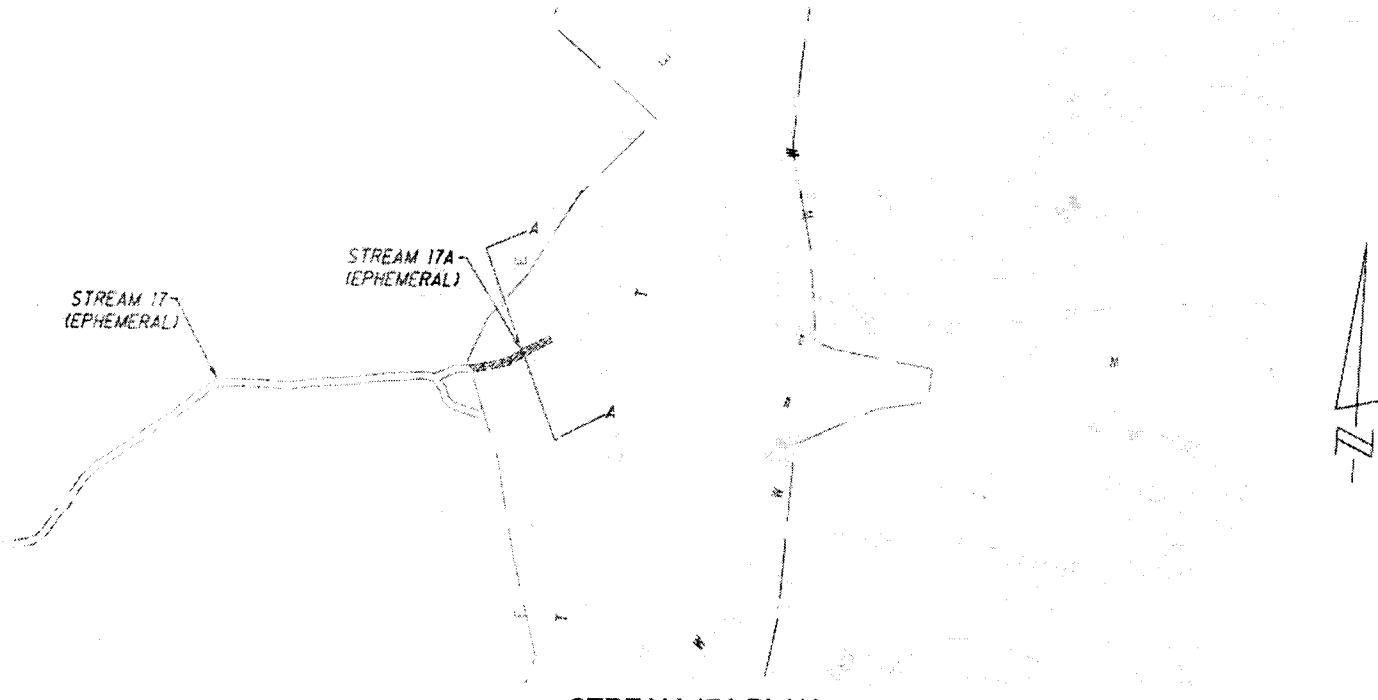
USACE 404 PERMIT
AND DEPA 401 WATER
QUALITY CERTIFICATION
APPLICATION

DATE: 2/20/07

FIGURE 17 OF 18

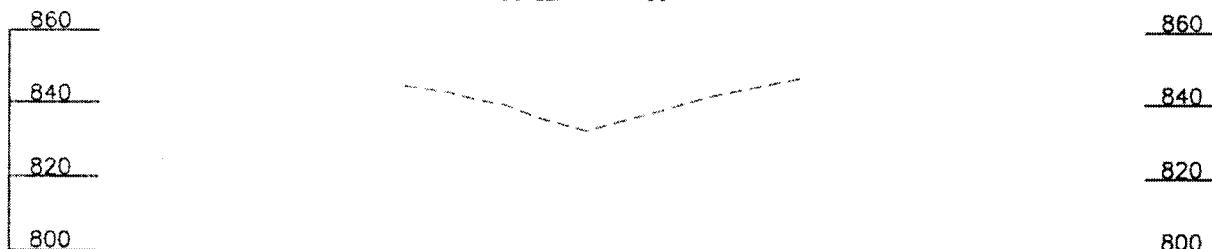
2005-1296-HOC
 ATH-124-0.90, PID: 79122 / ATH-
 124-2.97, PID: 81277
 Sheet 25 of 25

Stream 17A	
=====	= Channel Disturbance (Below OHWM):
Length of Channel Disturbed:	49.00 ft (0.001 ac)
Excavation Below OHWM:	0.00 cu
Fill Below OHWM:	1.00 cu
Embankment:	1.00 cu
Rock Channel Protection	0.00 cu
Open Water (Pond) Fill:	0.00 cu



STREAM 17A PLAN

SCALE: 1" = 100'



SECTION A-A

HORIZ: 1" = 50'
 VERT: 1" = 50'



PROFILE
 STREAM 17A



CULVERT/SECTION/PROFILE PLAN FOR STREAM 17A
 ATH-124-0.90, PID 79122

USEAC 404 PERMIT
 AND DEPA 401 WATER
 QUALITY CERTIFICATION
 APPLICATION

DATE: 2/20/07

FIGURE 18 OF 18