



**US Army Corps  
of Engineers.**  
Philadelphia District

Wanamaker Building  
100 Penn Square East  
Philadelphia, PA 19107-3390  
ATTN: CENAP-OP-R

# Public Notice

Public Notice No. **CENAP-OP-R-2007-00794-65** Date **AUG 10 2007**

Application No. File No.

In Reply Refer to:  
**REGULATORY BRANCH**

This District has received an application for a Department of the Army permit 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 (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

**APPLICANT:** City of Easton on behalf of National Canal Museum

**AGENT:** Mr. Robert Hosking, Jr.: McTish, Kunkel and Associates

**WATERWAY:** Lehigh Canal

**LOCATION:** Hugh Moore Park, Section 8 of Lehigh Canal, Glendon Borough, Northampton County, Pennsylvania.

**ACTIVITY:** The applicant proposes to perform maintenance dredging and maintenance work on existing structures within the canal. Approximately 1.25 acres of the canal would be dredged using a long arm excavator from the canal berm. Approximately four thousand one hundred and sixty nine (4169) cubic yards of material would be removed from the canal. The depth of dredging would range from one (1) to three (3) feet depending on the amount of sediment at any location. To facilitate the dredging, the canal would be temporarily de-watered by diverting water using the upstream and downstream waste gates. In the vicinity of Lucy Run, two (2) coffer dams will be used to divert water during the dredging. Temporary impacts for dewatering will include two (2) coffer dams totaling approximately seven hundred and twenty (720) square feet of fill material within the canal. Approximately twenty one (21) acres of the canal, 2.3 miles, will be temporarily dewatered for construction purposes. All excavated material will be loaded directly into dump trucks and hauled to the approved spoil location shown on plan E-1, to be used as mulch and fertilizer for gardens within the park on an as-needed basis. All work associated with the dredging project is identified on the attached plans identified as E 1 through E-1 through E-6.

Additional regulated work would be performed on the existing structures within the canal as follows:

a. Reconstruction of the Waste Gate located closest to the Guard Lock. Work will include construction of a new reinforced concrete headwall at the inlet end of the wastegate. To protect

against leaks around the new structure, a concrete cut-off wall will extend below the headwall apron, and a geosynthetic clay liner will extend laterally beyond the headwall in both directions parallel to the towpath. The new headwall will be faced with original timbers and refitted with the existing gates and operating hardware, and geosynthetic clay liners will be covered with earth and vegetation. Impacts to waters of the United States for the reconstruction of the Waste Gate will include three hundred and sixty (360) square feet of temporary fill for coffer dams to dewater the area, two hundred and ten (210) square feet of permanent fill for the reconstruction of the Waste Gate structure and concrete apron and approximately four hundred and eighty (480) square feet of permanent fill for the installation of the geosynthetic clay liner. All work associated with the reconstruction of the wastegate is shown on the attached plan identified as E-7.

b. Restoration of the Feeder Gate Timber Structure will involve the replacement of deteriorated timbers and previously removed timbers, to the same dimensions and specifications that existed when the canal was in operation. The original pulleys and cables will be reinstalled and the structure mounted wooden railings on the feeder gate will be replaced. All work associated the Feeder Gate repairs are shown on the attached plan identified as E-8.

c. Reconstruction of the Guard Lock Bridge will involve the rehabilitation of the existing stone-masonry abutments and completely replacing the superstructure with materials that are similar to the previous bridge. The bridge structure is approximately twenty six (26) by twelve (12) feet in size. The steel structural beams will be covered with wooden fascia planks and the decking will consist of pressure treated white oak decking. The substructure improvements include the removing and resetting up to six (6) vertical feet of the existing stone masonry abutments, and replacing the top two (2) feet with reinforced concrete abutment caps. All work associated with Guard Lock Bridge is shown on the attached plan identified as E-9.

d. Reconstruction of the existing retaining wall supporting the towpath beneath the park exit bridge. Work will include the removal of the collapsed gabion basket retaining wall that was installed in the 1970's and construction of a new concrete retaining wall. The concrete retaining wall will be faced with wood planks to aesthetically enhance the otherwise stark concrete surface. The impacts to waters of the United States for the reconstruction of the retaining wall will include four hundred and fifty (450) square feet of temporary impact for a coffer dam to dewater the area during construction, and approximately twenty (20) square feet permanent impacts for the retaining wall. All work associated with the reconstruction of the retaining wall is shown on the attached plan identified as E-10.

**PURPOSE:** The applicants stated purpose of the project is to restore the Lehigh Canal, Section 8, within Hugh Moore Park and its structures to original historic conditions.

A preliminary review of this application indicates that the proposed work would not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits

which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

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. 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.

Comments on the proposed work should be submitted, in writing, within 15 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

The Lehigh Canal is listed on the National Register of Historic Places as a National Historic Landmark. The applicant states that all repair, rehabilitation, replacement and maintenance work would be performed in accordance with the Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings. As such, this office has determined that there would be no adverse affects to the Lehigh Canal for the proposed project.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). A preliminary assessment of the species listed in the "Guide to Essential Fish Habitat Designations in the Northeastern United States, Volume IV: New Jersey and Delaware", dated March 1999, indicates that there in no EFH located in the vicinity of the proposed work.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling Ms. Elaine J. Moyer at 570-842-1044 between the hours of 1:00 and 3:30 p.m. or writing this office at the above address.



Frank J. Cianfrani  
Chief, Regulatory Branch

B.L.#4 ELEV. 197.01  
 307 L.T. STA. 35+42  
 CHISEL SQUARE ON CONC.  
 BASE OF WATER FOUNTAIN,  
 SOUTHERN CORNER

START WORK  
 STA. 35+40.00  
 S.R. E9900 SEC. L47

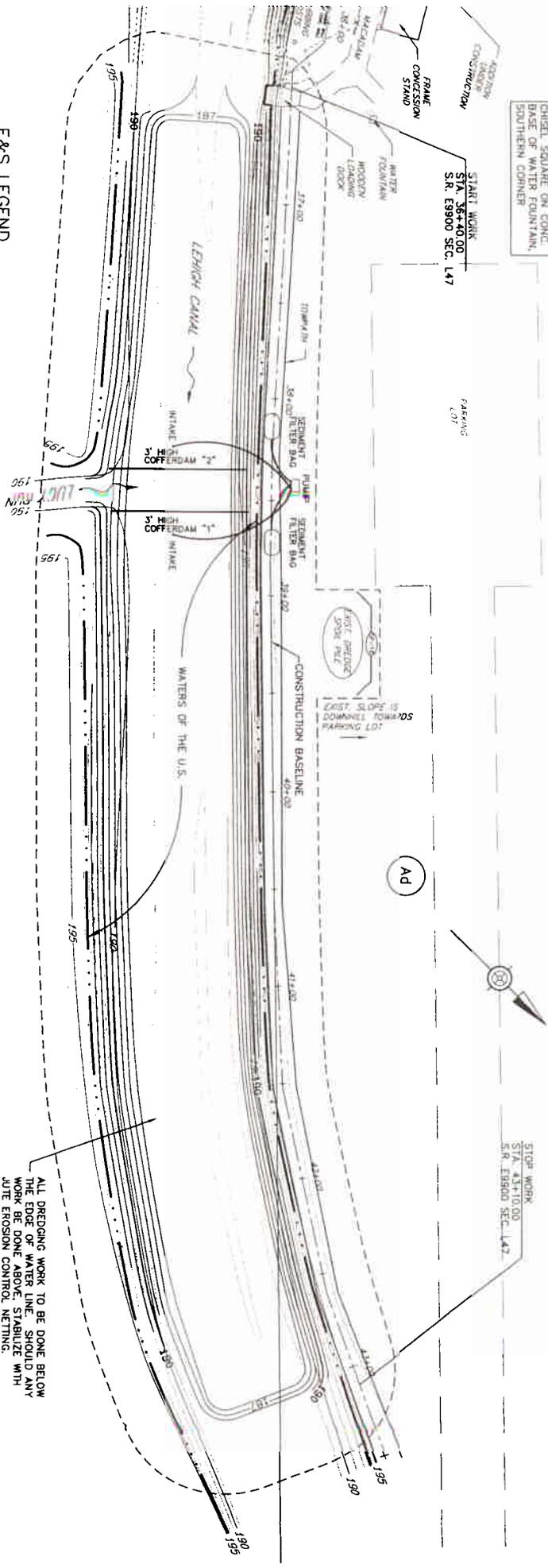
PASSING  
 COT

AD

STOP WORK  
 STA. 43+10.00  
 S.R. E9900 SEC. L47

**CONSTRUCTION ENTRANCE NOTE:**  
 DUE TO EXISTING SITE CONDITIONS, THERE ARE NO  
 CONSTRUCTION ENTRANCES PROVIDED AS PART  
 OF THIS PROJECT. EACH INDIVIDUAL SITE WILL BE  
 ACCESSED VIA THE EXISTING TOWNSHIP AND INTERNAL  
 ROADS. ALL SEDIMENT WHICH MAY BE TRACKED OFF THE  
 CONSTRUCTION AREA ONTO THE EXISTING PUBLIC  
 ROADWAYS MUST BE SWEEPED UP IMMEDIATELY.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	WORTHAMPTON	E9900	L47	7 OF 8
BOROUGH OF GLENDON				
1	WATERS OF THE US			DIV
				7/28/07



**E&S LEGEND**

- EXISTING 1' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 1' CONTOUR
- LIMIT OF DISTURBANCE
- EDGE-OF-WATER (ORDINARY HIGH WATER MARK)
- SOIL TYPE
- Ad
- 18" SILT FENCE



**PLAN**

ALL DREDGING WORK TO BE DONE BELOW  
 THE EDGE OF WATER LINE. SHOULD ANY  
 WORK BE DONE ABOVE, STABILIZE WITH  
 JULIE EROSION CONTROL NETTING.

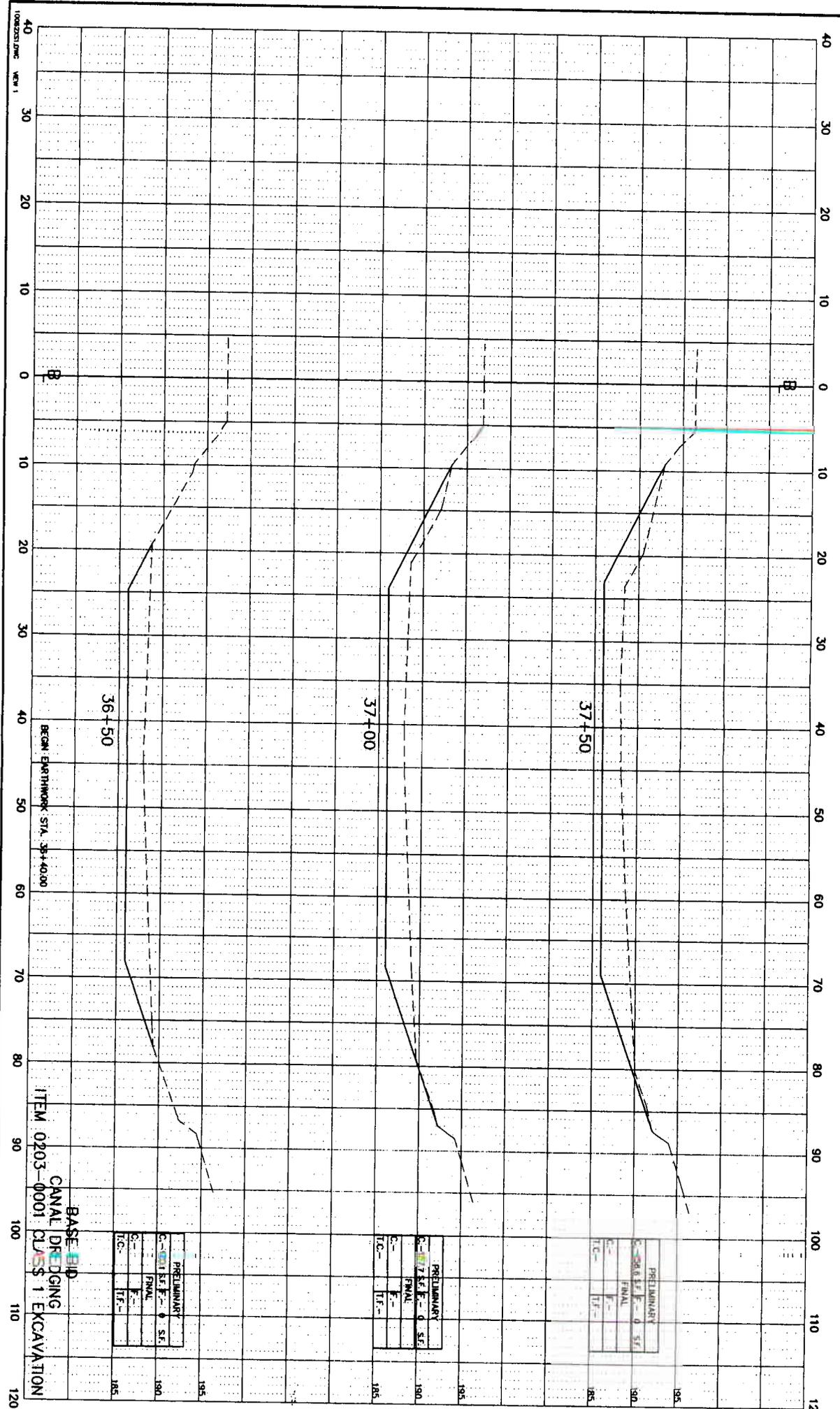
EROSION AND SEDIMENT POLLUTION CONTROL PLAN

BASE BID  
 CANAL DREDGING  
 ITEM 0203-0001 CLASS 1 EXCAVATION

SURVEY BOOK NO. 107



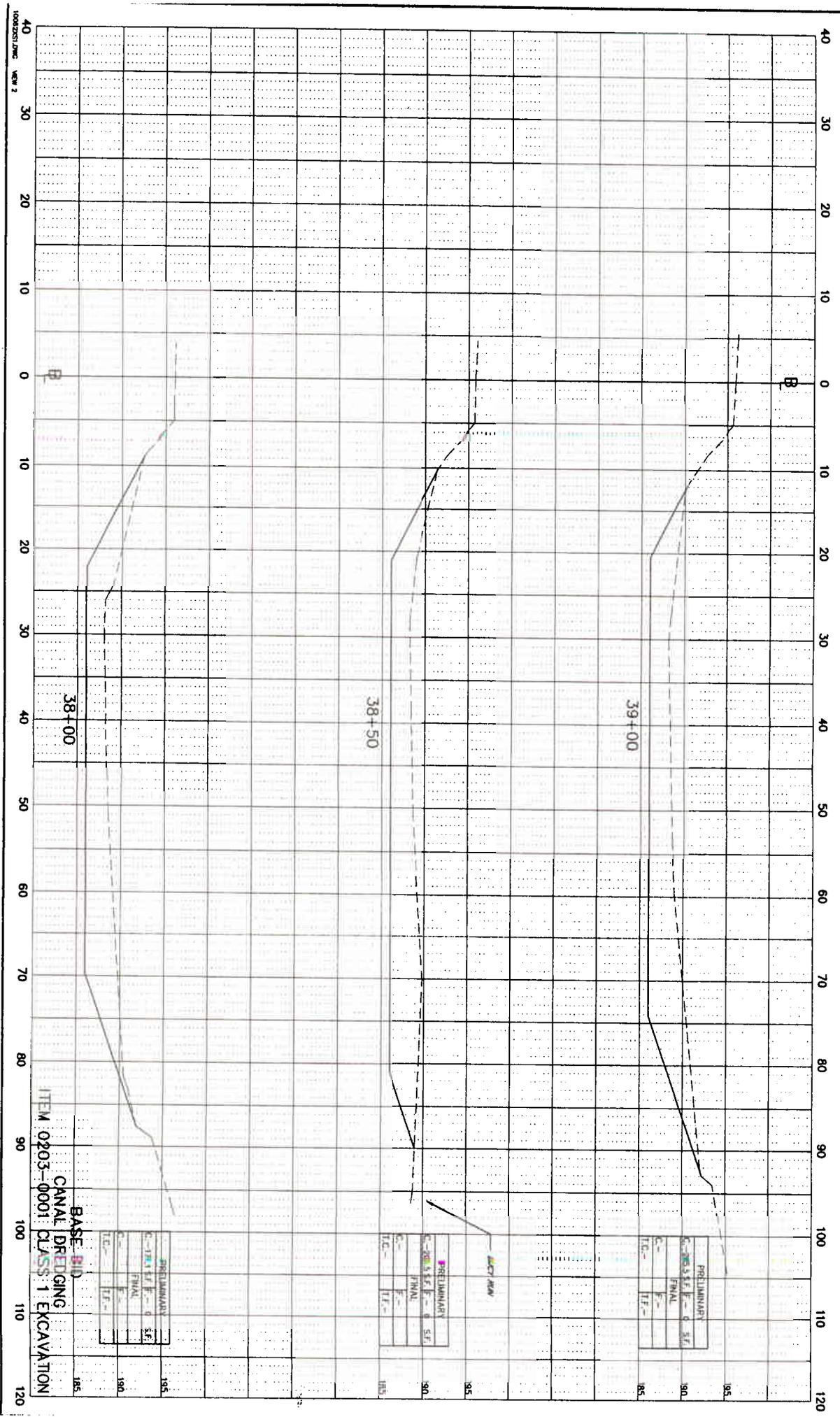
E-1



BASE FILL  
CANAL BEDDING  
ITEM 0203-0001  
CLASS 1 EXCAVATION

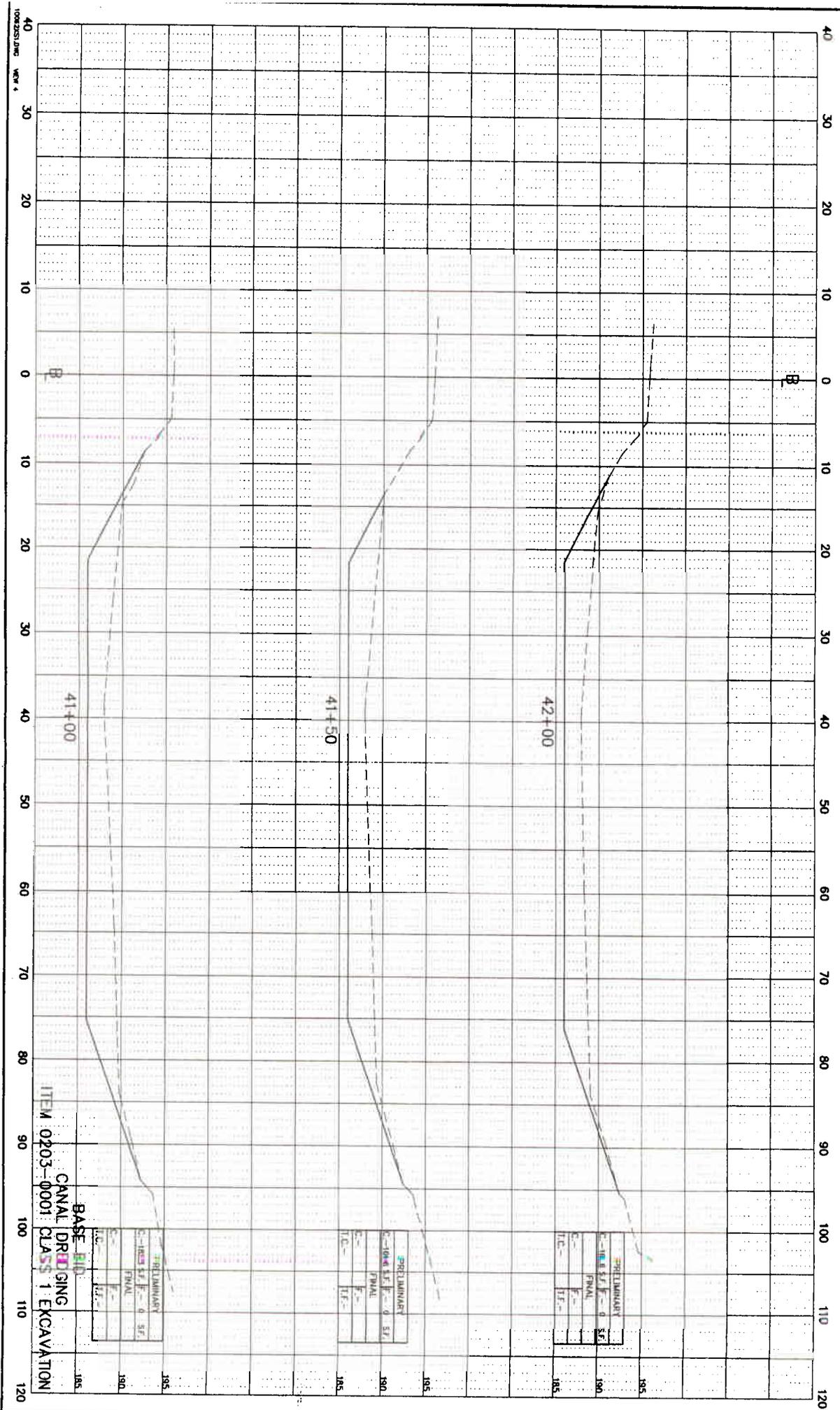
E-2

Sheet No.	40	of	40
Contract No.	0203-0001		
Project No.	1		
Drawn By	E-3		
Checked By			
Date			



E-3





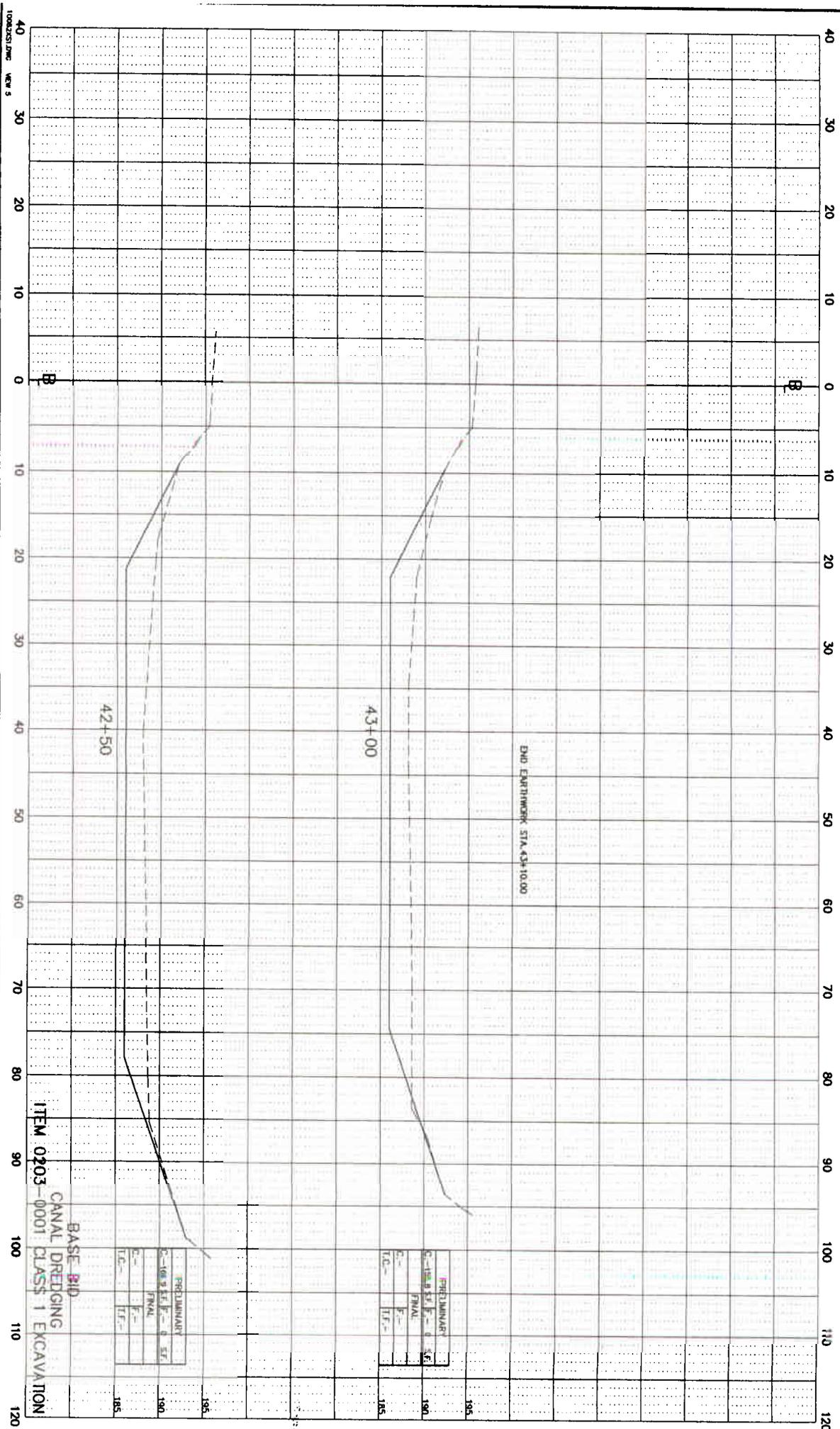
BASE ELEVATION  
 CANAL DRIVING  
 ITEM 0203-0001  
 CLASS 1 EXCAVATION

PRELIMINARY	FINAL
185	185
190	190
195	195

PRELIMINARY	FINAL
185	185
190	190
195	195

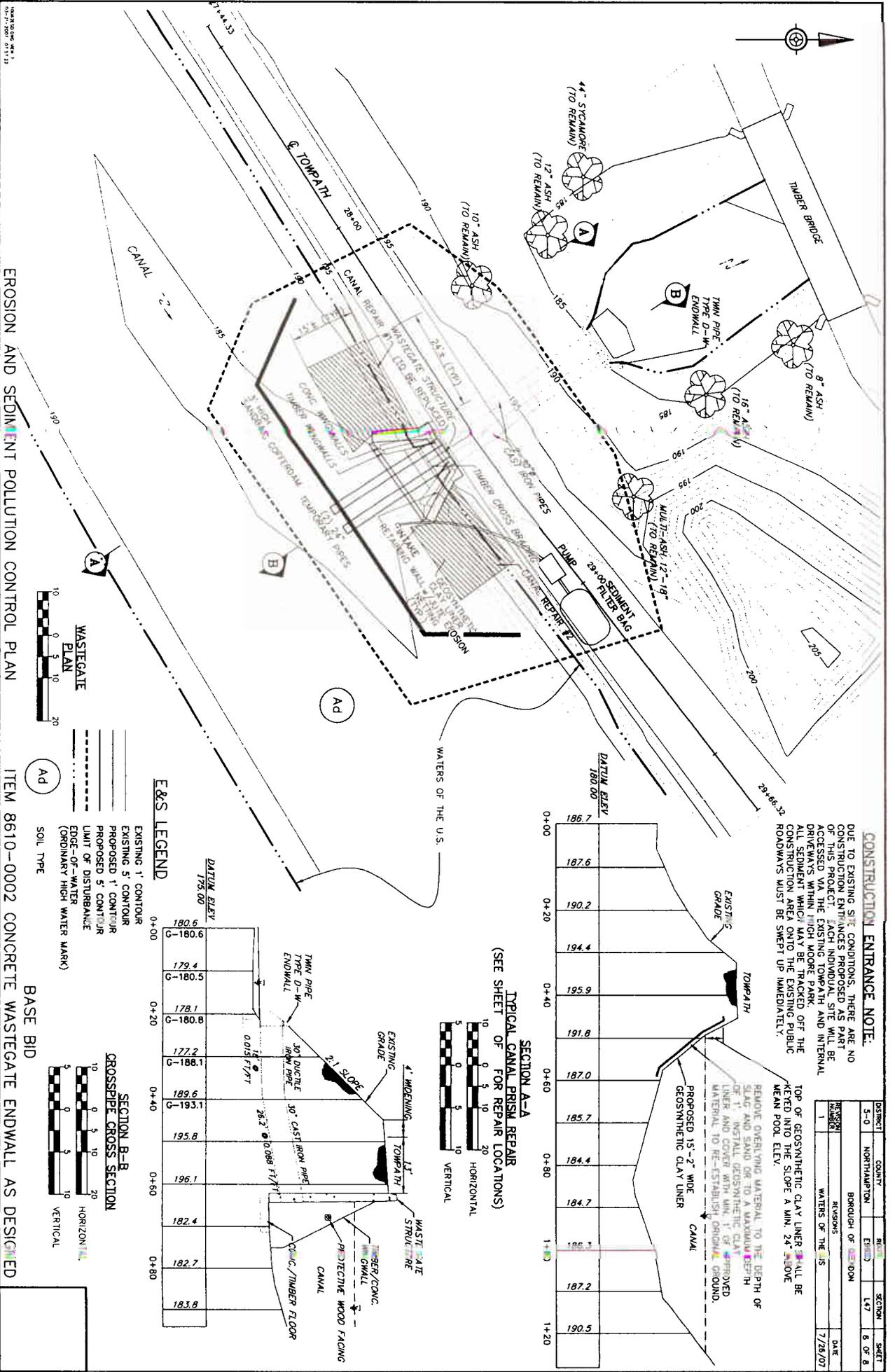
PRELIMINARY	FINAL
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190	190
195	195

E-5



BASE BID  
CANAL DREDGING  
ITEM 0203-0001  
CLASS 1 EXCAVATION

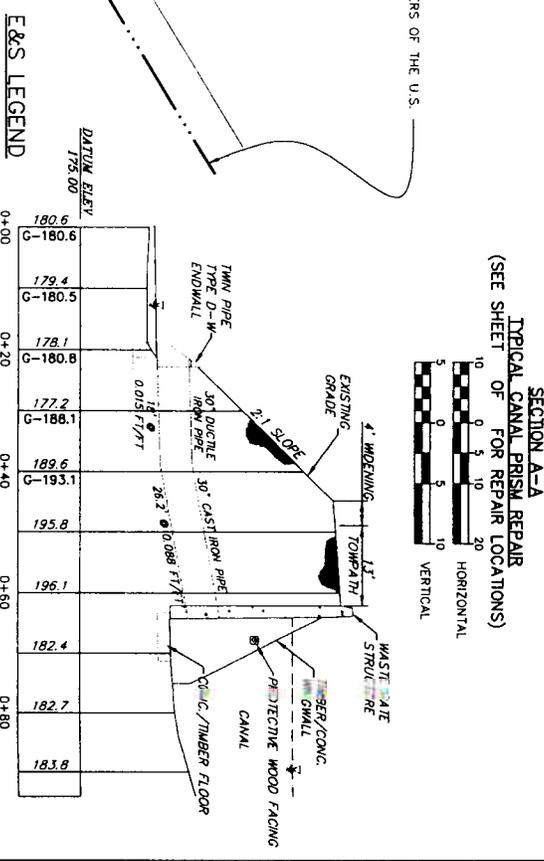
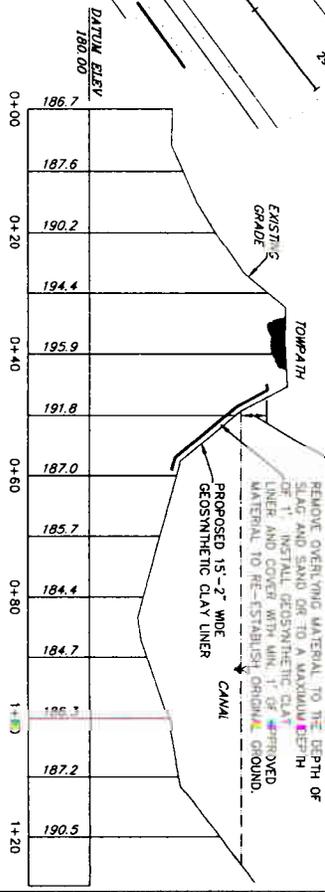
E-6



**CONSTRUCTION ENTRANCE NOTE:**

DUE TO EXISTING SITE CONDITIONS, THERE ARE NO CONSTRUCTION ENTRANCES PROPOSED AS PART OF THIS PROJECT. EACH INDIVIDUAL SITE WILL BE ACCESSED VIA THE EXISTING TOMPAH AND INTERNAL DRIVEWAYS WITHIN HIGH MOORE PARK. ALL SEDIMENT WHICH MAY BE FACED OFF THE CANALS MUST BE KEPT OFF THE EXISTING PUBLIC ROADSWAYS MUST BE SWEEP UP IMMEDIATELY.

DISTRICT	COUNTY	MILE	SECTION	SHEET
3-0	NORTHAMPTON	11.00	147	8 OF 8
BOROUGH OF GREENBROOK				
WATERS OF THE U.S.				
1				7/28/07

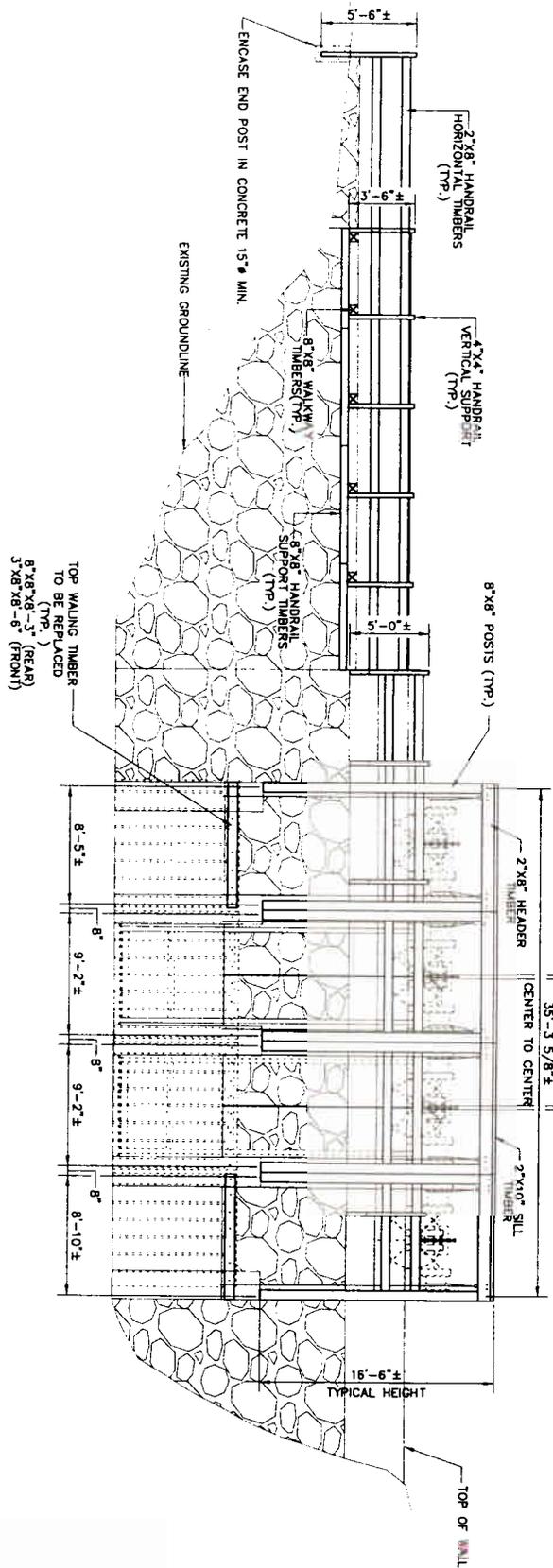
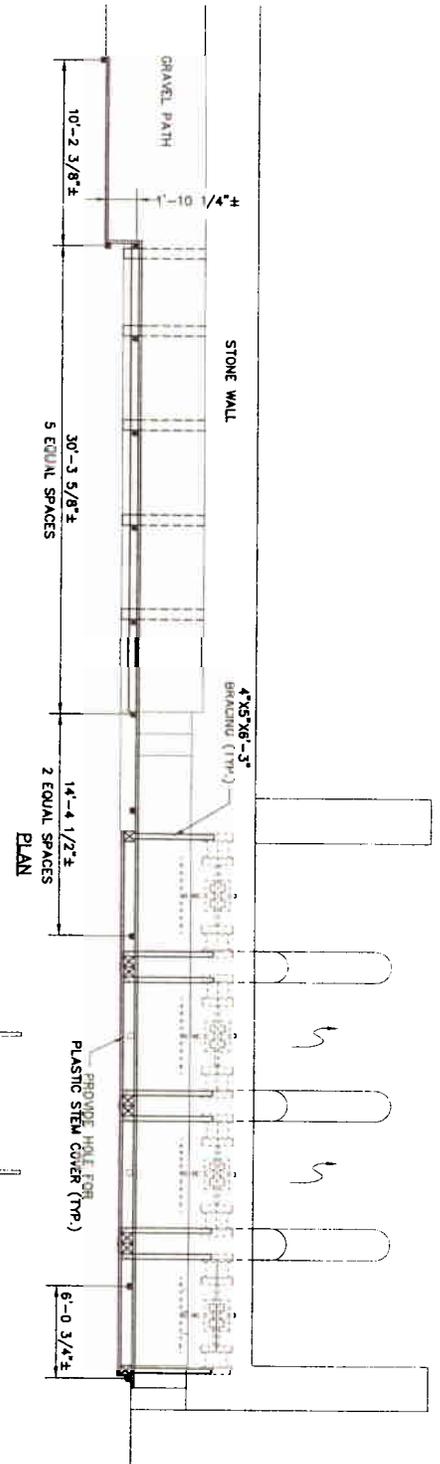


**EROSION AND SEDIMENT POLLUTION CONTROL PLAN**

**WASTEGATE PLAN**

ITEM 8610-0002 CONCRETE WASTEGATE ENDWALL AS DESIGNED

E-7



NOTES:  
 • RE-USE ALL EXISTING HARDWARE, INCLUDING PULLEYS AND CABLES, WHEREVER POSSIBLE OR REPLACE IN KIND WITH STANDARD ITEMS.

ALTERNATE 2  
 ITEM 9000-0005 FEEDER GATE TIMBERS



E-8

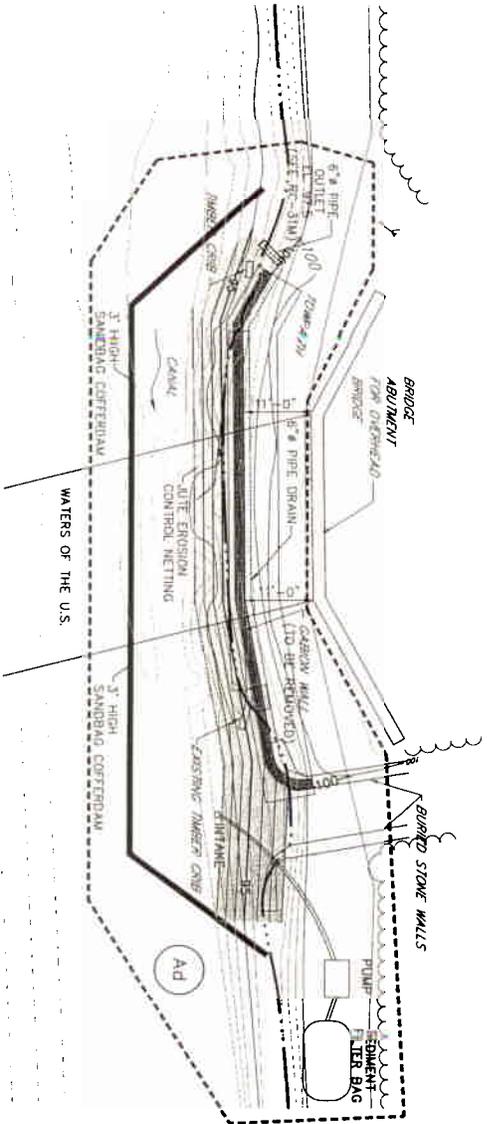
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	NORTHAMPTON	E9900	L47	6 OF 21
PROJECT NUMBER	BOROUGH OF GLENDON		REVISIONS	DATE





**CONSTRUCTION ENTRANCE NOTE:**  
 DUE TO EXISTING SITE CONDITIONS, THERE ARE NO CONSTRUCTION ENTRANCES PROPOSED AS PART OF THIS PROJECT. EACH INDIVIDUAL SITE WILL BE ACCESSED VIA THE EXISTING TOWPATH AND INTERNAL DRIVEWAYS AT HUNTER HOLLOW PARK. ALL ENTRANCES WITHIN THE CONSTRUCTION AREA OFF THE ROADWAYS MUST BE SWEEPED UP IMMEDIATELY.

DISTRICT	COUNTY	NOTE	SECTION	SHEET
S-8	NORTHAMPTON	ERMO	1-47	6 OF 8
BOULDER OF ELANDON				
REGION	REGION	WATERS OF THE US		DATE
1				7/26/07



- E&S LEGEND**
- EXISTING 1' CONTOUR
  - EXISTING 5' CONTOUR
  - PROPOSED 1' CONTOUR
  - PROPOSED 5' CONTOUR
  - LIMIT OF DISTURBANCE
  - EDGE-OF-WATER (ORDINARY HIGH WATER MARK)
  - Ad SOIL TYPE

JUTE EROSION CONTROL NETTING

**EROSION AND SEDIMENT POLLUTION CONTROL PLAN**

BASE BID  
 ITEM 8610-0001 CONCRETE RETAINING WALL AS DESIGNED

DATE: 7/26/07  
 DRAWN BY: [unreadable]

E-10