

A60 971124 052

November 26, 1997

Mr. Carl Olsen
U.S. Army Corps of Engineers
U.S. Courthouse Annex
110 Ninth Avenue South
Nashville, Tennessee 37202

Dear Mr. Olsen:

TENNESSEE VALLEY AUTHORITY (TVA) - KINGSTON FOSSIL PLANT
(KIF) - U.S. ARMY CORPS OF ENGINEERS (USACE) PERMIT
APPLICATION FOR RAIL SPUR

Enclosed is an application for a new rail spur consisting of a bridge to be constructed across the Emory River near Mile 8.7 and related stream crossings near Harriman, Tennessee. This rail spur will be built to allow KIF to receive low-sulfur coal shipments from CSX Transportation to comply with Title IV of the Clean Air Act. Access for construction of bridges/crossings will be via barge, temporary causeway, or a combination of both.

As you recall, the USACE was involved in the Environmental Impact Statement (EIS) for determining the placement of the spur. The EIS was submitted to the Environmental Protection Agency (EPA) on January 1, 1997, for this project. The proposed project was found to have no significant impact on the environment or threatened and endangered species. The United States Fish and Wildlife Service concurred with this finding.

Wetlands were found to be predominately located below the 745-foot elevation. Wetlands impacts have been avoided to the extent practicable by keeping construction above the 750-foot elevation except at water crossings. Impacts to these linear wetlands at the crossings were determined to be insignificant in the

Mr. Carl Olsen
Page 2
November 26, 1997

EIS, however, in recent conversations you indicated that a wetlands mitigation plan may be required. TVA requests that you meet personnel at the site on December 4 to discuss and reach agreement on potential wetlands mitigation requirements. Regardless of wetlands mitigation required an erosion and sediment control plan will be developed to minimize impacts due to construction of the spur along the river and at these crossings.

The overall project has been broken into four components to facilitate discussion in the permit application and are identified as A, B, C and D. Section A relates to the main bridge crossing the Emory River. The other components, B, C, and D, consist of stream crossings using either a bridge or a culvert and associated fill for the rail bed.

TVA is planning to begin construction on this rail spur the first part of April 1998. Construction can be staged to allow full consideration of the permit application; however, TVA would appreciate an expeditious review.

If you have any questions or need to reschedule the site visit, please call Lindy Printz at (423) 751-3361 in Chattanooga.

Janet K. Watts
Manager of Environmental Affairs
5D Lookout Place

JWM:LKP:SGC
Enclosures

cc (Enclosures):

N. W. Burris, KFP 1A-KST
J. M. Loney, WT 8C-K
H. L. Petty, LP 2G-C
B. B. Walton, ET 10A-K (w/o Enclosures)
RIMS, WR 4Q-C

Q:\ENV\AFFNPDES\LKPKIFRA\LET 11-24.DOC

The reporting burden for this collection of information is estimated to average 5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authority: 33 USC 401, Section 10; 1413, Section 404. Principal Purpose: These laws require permits authorizing activities in, or affecting, navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Routine Uses: Information provided on this form will be used in evaluating the application for a permit. Disclosure: Disclosure of requested information is voluntary. If information is not provided, however, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

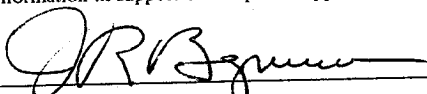
1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED*	4. DATE APPLICATION COMPLETED

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME Joseph R. Bynum, Vice President, Fossil Operations	8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) Janet K. Watts, Manager, Environmental Affairs
6. APPLICANT'S ADDRESS 1101 Market Street, LP 3K, Chattanooga, TN 37402	9. AGENT'S ADDRESS 1101 Market St., LP 5D, Chattanooga, TN 37402
7. APPLICANT'S PHONE NOS. W/AREA CODE Residence b. Business (423) 751-2601	10. AGENT'S PHONE NOS. W/AREA CODE a. Residence b. Business (423) 751-7292

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Janet K. Watts to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.


APPLICANT'S SIGNATURE

11/24/97
DATE

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Kingston fuel delivery rail spur project	14. PROJECT STREET ADDRESS (if applicable) N/A
13. NAME OF WATERBODY, IF KNOWN (if applicable) Emory River, Bullard Branch, Quarry Branch, Swan Pond	
15. LOCATION OF PROJECT Roane County TN COUNTY STATE	

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN, (see instructions)

DIRECTIONS TO THE SITE
Kingston Fossil Plant is located on Swan Pond Road in Kingston, Roane County, Tennessee

18. Nature of Activity (Description of project, include all features)

Activities associated with construction of a rail spur to the Kingston Fossil Plant including crossing the Emory River, Bullard Branch, Quarry Branch and ... Pond. Additional fill will be placed along the existing rail bed along portions of the Emory River to build a new rail bed.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

TVA is proposing to build a rail spur to its Kingston Steam plant in order to lower fuel (coal) costs and to provide a direct connection to CSX coals. CSX coal is low sulfur and a need to switch to low sulfur coal is anticipated to occur by the year 2000 in order to reduce sulfur dioxide emissions and to comply with Phase II under Title IV of the Clean Air Act. The new rail spur will allow TVA to receive "unit" trains which will avoid switching fees and dividing into smaller trains.

USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

Fill will be discharged to construct bridge supports, culverts and to construct a rail bed along the proposed rail route.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards

See attached Fill Quantities Table.

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Impacts to wetlands were jointly determined by the U. S. Corps of Engineers and TVA in the Environmental Impact Statement to be only to linear wetlands at river/stream crossings. However, TVA will develop a wetlands mitigation plan in conjunction with the Corps of Engineers if necessary.

23. Is Any Portion of the Work Already Complete? Yes _____ No X IF YES, DESCRIBE THE COMPLETED WORK

Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (If more than can be entered here, please attach a supplemental list).

Please see attached list.

25. List of Other Certifications or Approvals/Denials Received from other Federal, State or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
Tennessee Dept. of Environment & Conservation		Application for Aquatic Resource Alteration Permit is being made simultaneously.			
US Coast Guard	Bridge permit	Emory River Bridge	10/16/97		
Federal Emergency Management Agency	Letter of map revision				

Presented and approved by the City and County Planning Commissions. City Council scheduled to vote on 11/25 and County Commission scheduled to vote on 12/8.

*Would include but is not restricted to zoning, building and flood plain permits

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF AGENT

DATE

James K. Watts

11/20/97

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

8 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

ATTACHMENTS

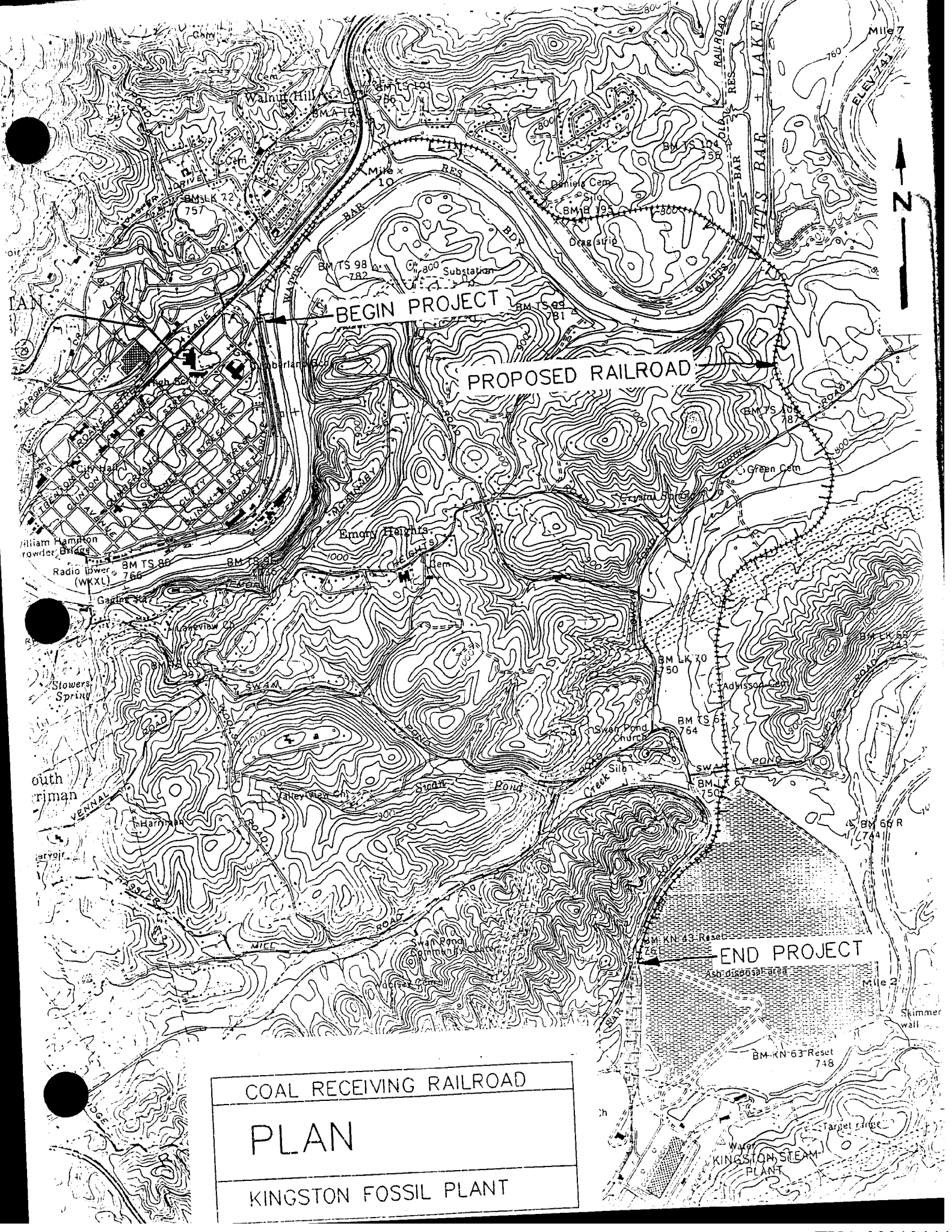
Attachment 21.

Fill to be placed below normal summer pool elevation of 741.0 is shown below, organized by location as shown on attachments. Additional fill will be placed up to the 100 year flood elevation of 758.9 in some locations.

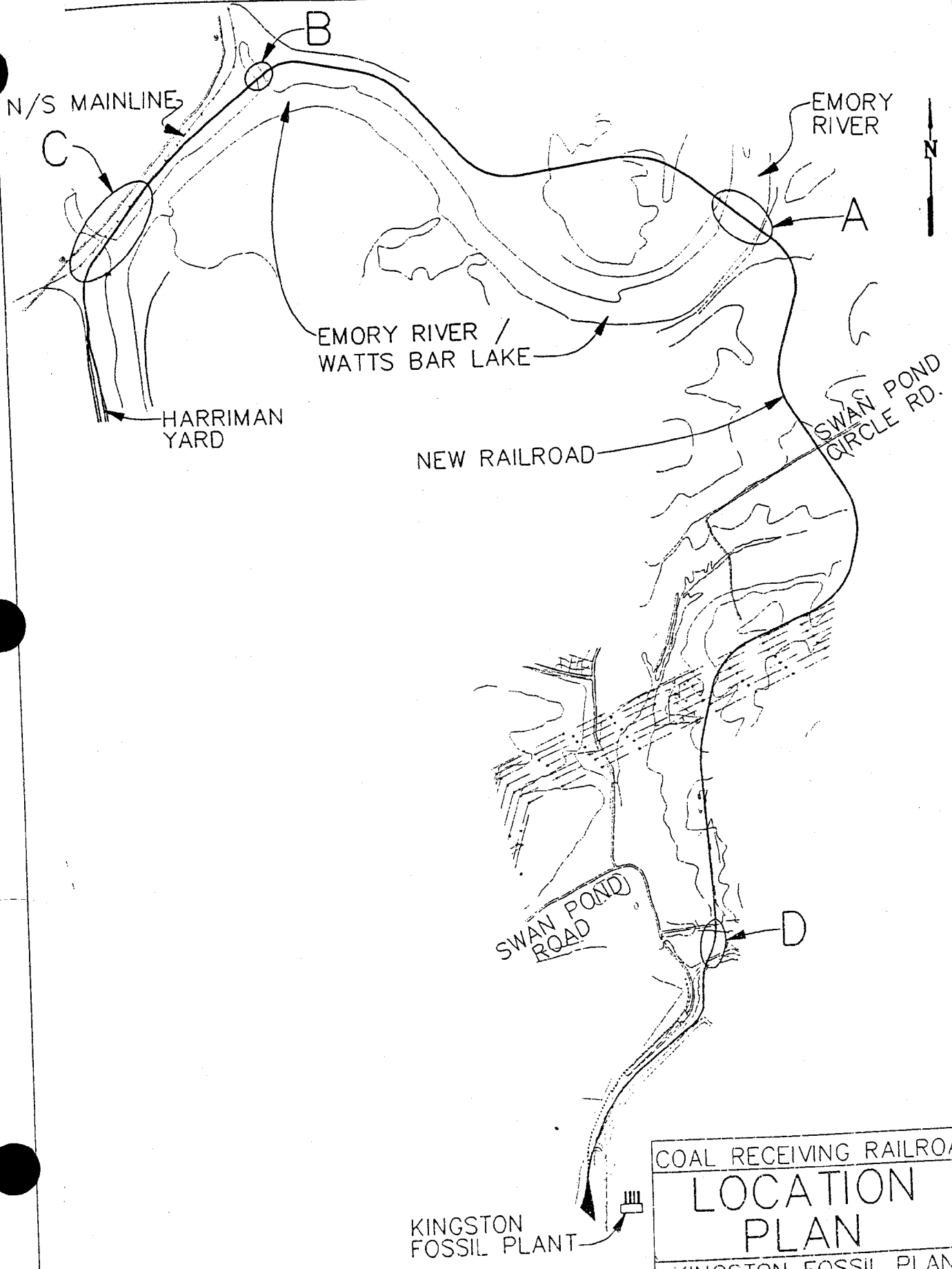
Material	Bridge A	Bridge B	Bridge C	Bridge D
Earth	0	0	70	5500
Filter	0	0	0	400
Riprap	0	0	20	1500
Concrete	1100	150	250	300
Rock Fill	0	0	25,000	0

Attachment 24 - Addresses of Adjoining Property Owners, Lessees, Etc. Whose Property adjoins the waterbody.

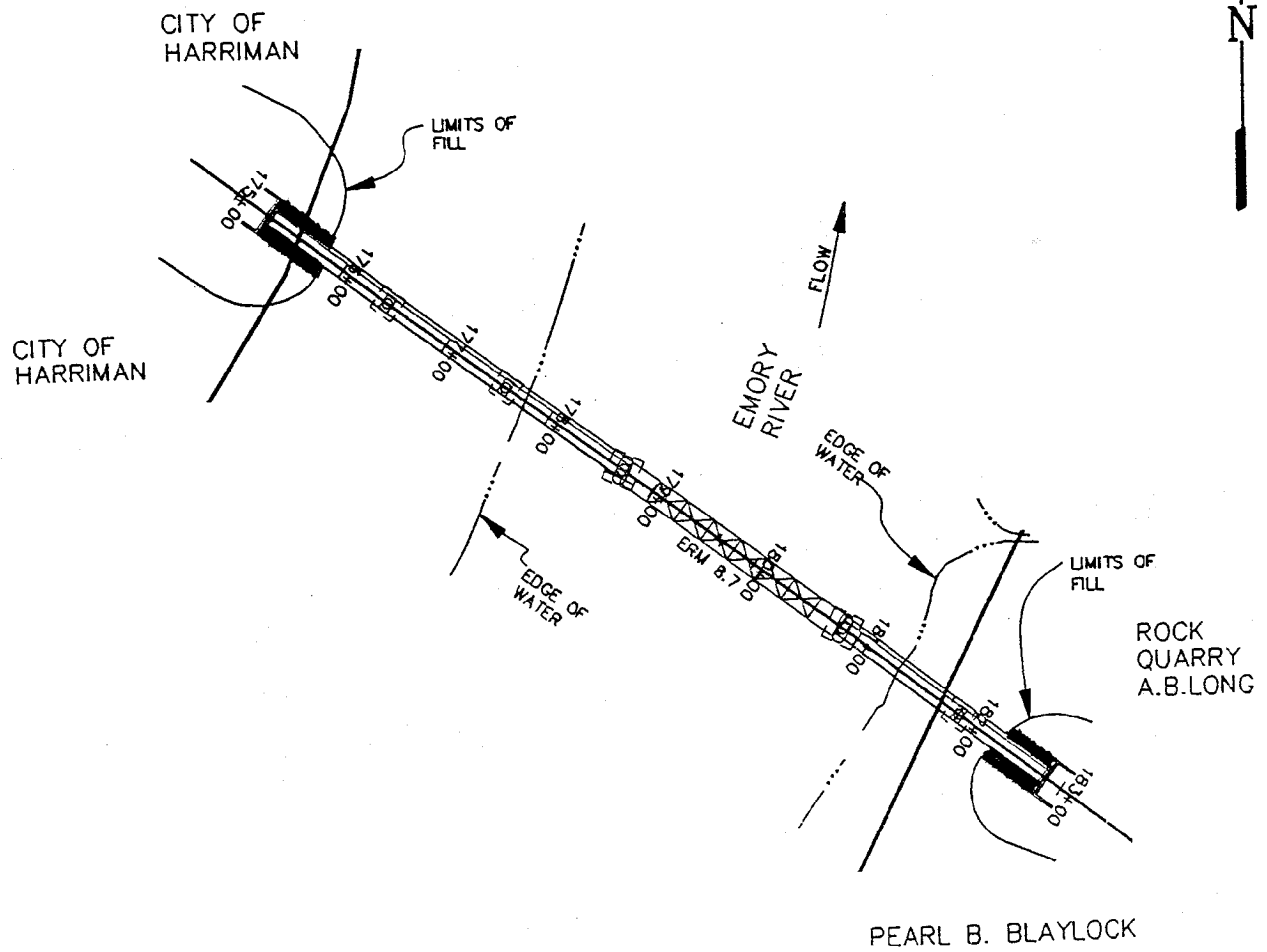
Bridge A	Bridge B	Bridge C	Bridge D
Robert G. Farrell Tennessee Valley Authority Land Management Office 2009 Grubb Road Lenoir City, TN 37771	Robert G. Farrell (same address)	Robert G. Farrell (same address)	Robert G. Farrell (same address)
Pearl B. Blaylock Route 4, Box 315 Harriman, TN 37748	---	Norfolk Southern Corporation 99 Spring Street, SW Atlanta, GA 30303	---
A. B. Long Quarries, Inc. P.O. Box 11905 Knoxville, TN 37939	---	---	---
City of Harriman P.O. Box 433 Harriman, TN 37748 Attn: Mayor Harold Wester	---	---	---



COAL RECEIVING RAILROAD
PLAN
KINGSTON FOSSIL PLANT

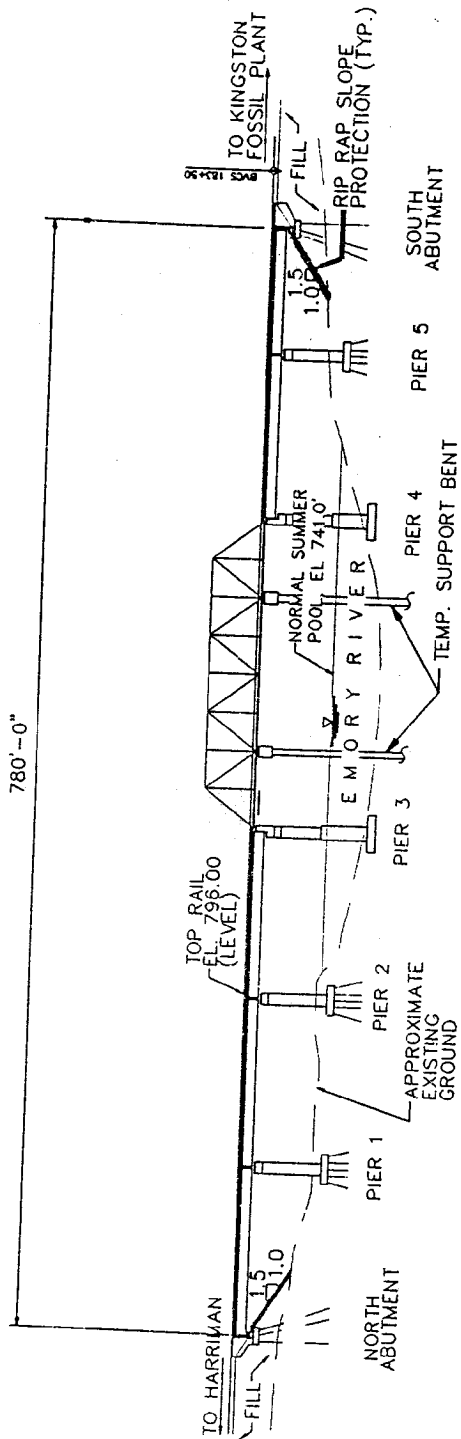


COAL RECEIVING RAILROAD
LOCATION PLAN
 KINGSTON FOSSIL PLANT



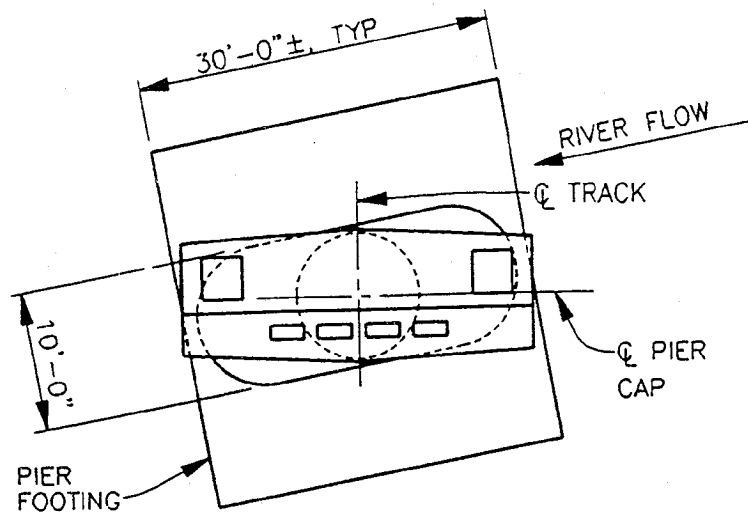
PLAN

COAL RECEIVING RAILROAD
PLAN
BRIDGE "A"
KINGSTON FOSSIL PLANT

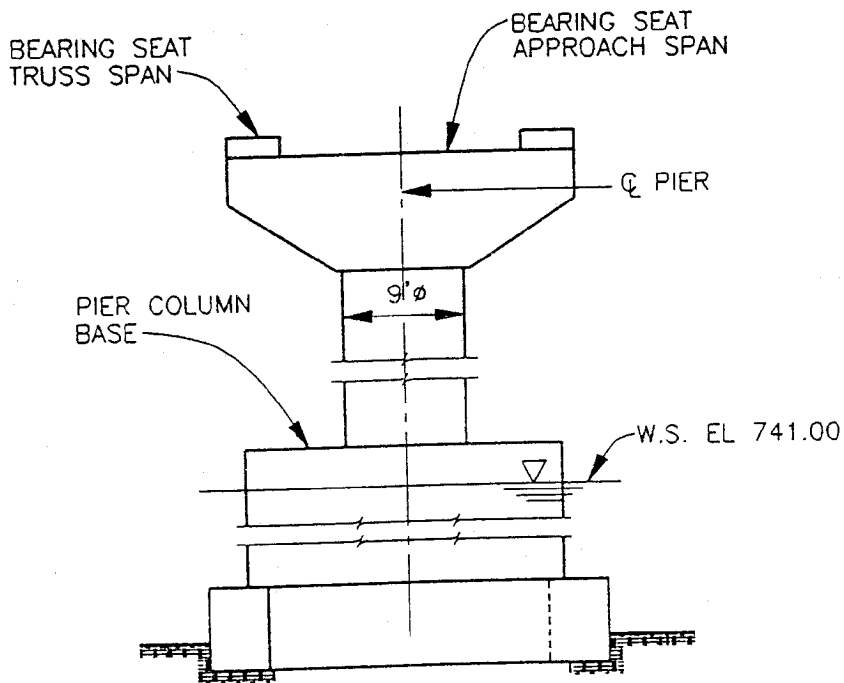


PROFILE
EMORY RIVER BRIDGE

COAL RECEIVING RAILROAD
PROFILE BRIDGE "A"
KINGSTON FOSSIL PLANT



PLAN - CENTER SPAN PIERS

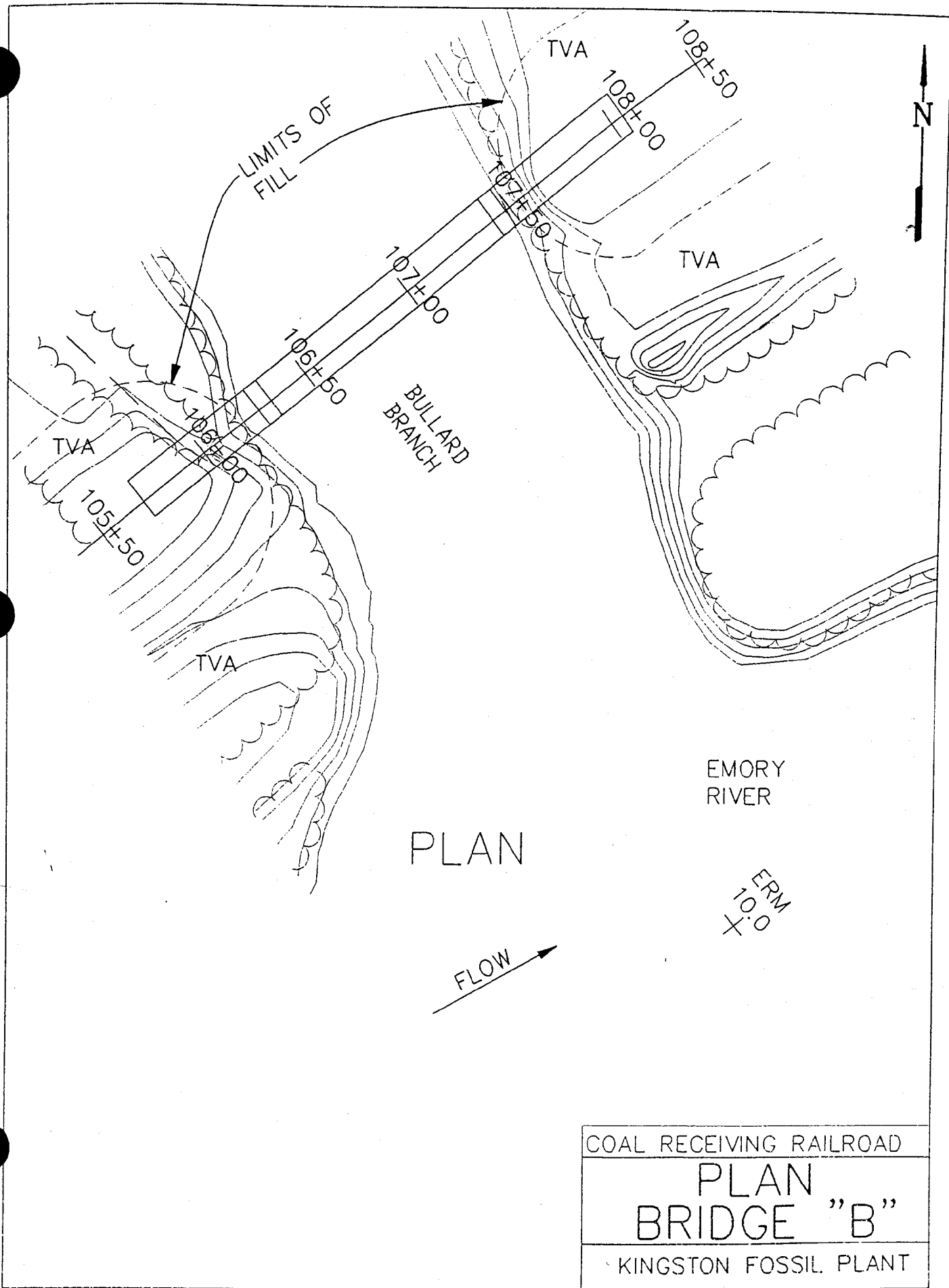


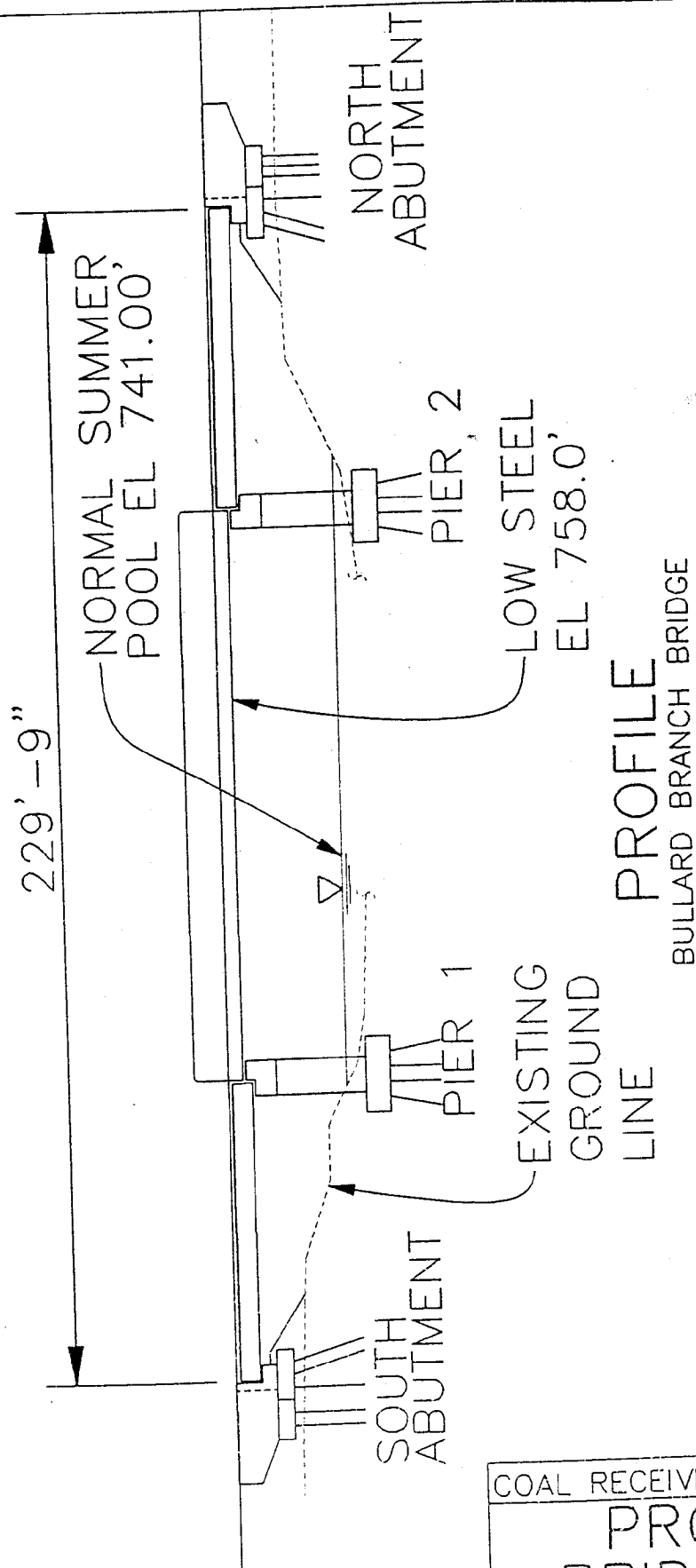
ELEVATION - CENTER SPAN PIERS

COAL RECEIVING RAILROAD
DETAILS
BRIDGE "A"
KINGSTON FOSSIL PLANT

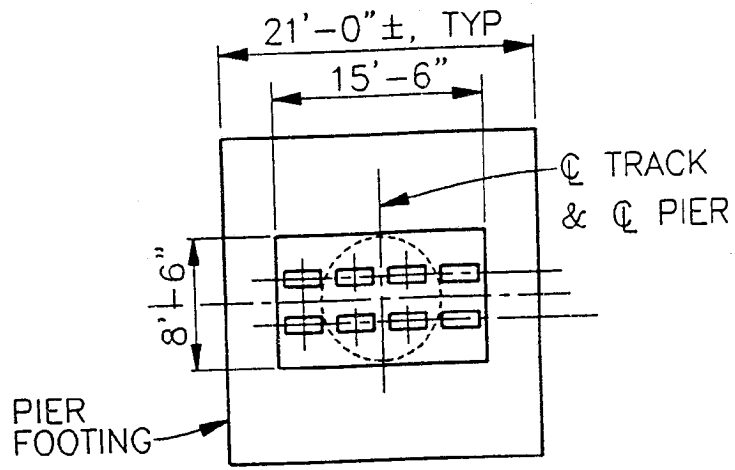
EARTHFILL	0
FILTER	0
RIPRAP	0
CONCRETE	1,100 CY

COAL RECEIVING RAILROAD
FILL QTY'S BRIDGE "A"
KINGSTON FOSSIL PLANT

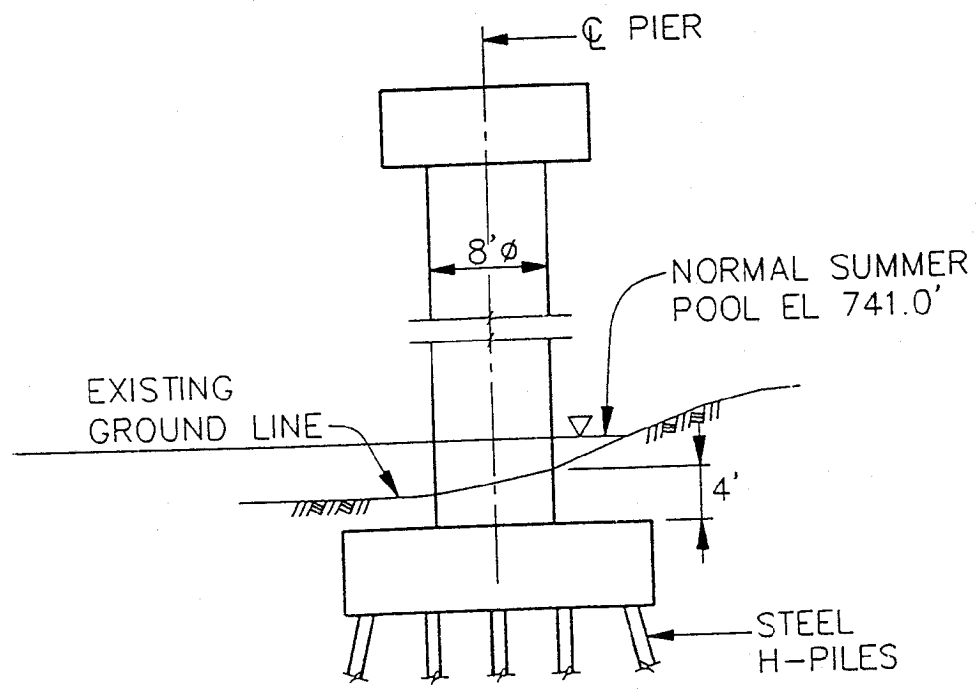




COAL RECEIVING RAILROAD
PROFILE BRIDGE "B"
KINGSTON FOSSIL PLANT



PLAN



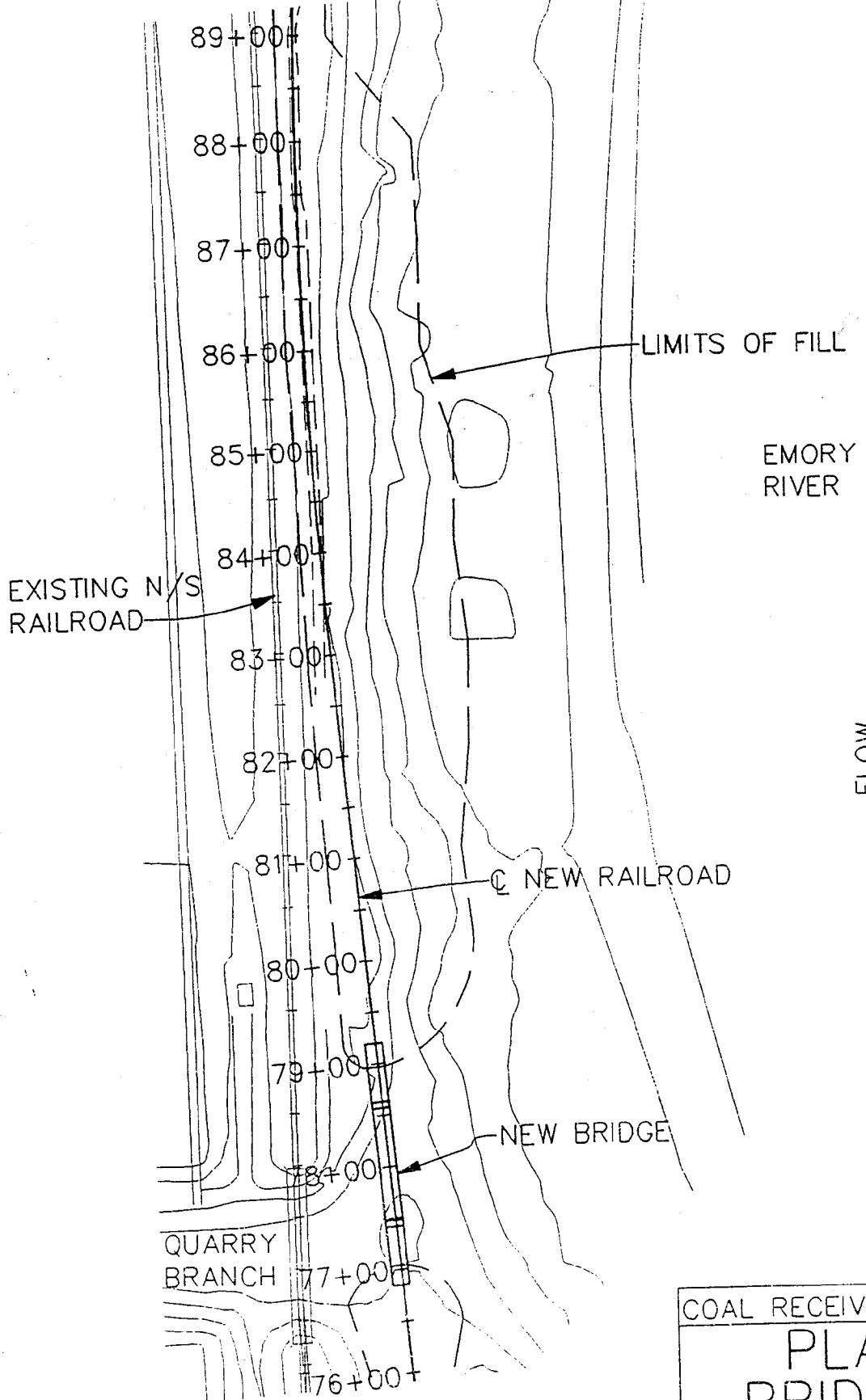
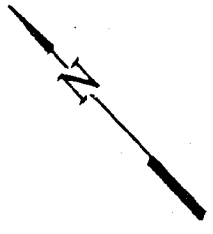
ELEVATION

COAL RECEIVING RAILROAD
DETAILS
BRIDGE "B"
KINGSTON FOSSIL PLANT

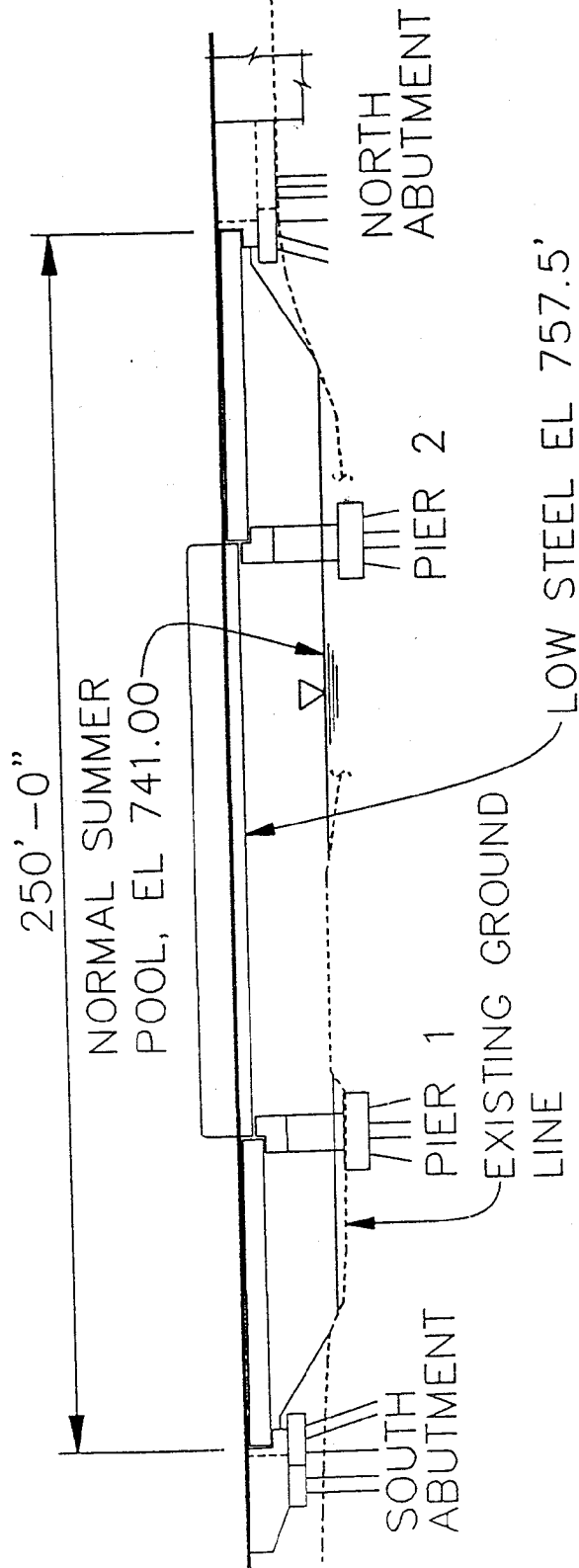
FILL QUANTITIES BELOW NORMAL POOL
ELEVATION 741.0'

EARTHFILL	0
FILTER	0
RIPRAP	0
CONCRETE	150 CY

COAL RECEIVING RAILROAD
FILL QTY'S
BRIDGE "B"
KINGSTON FOSSIL PLANT

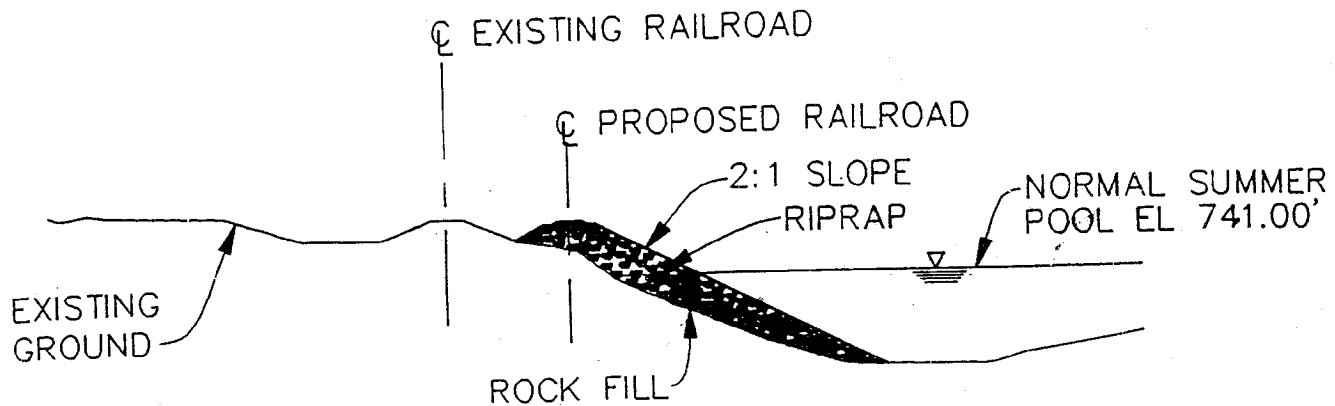


COAL RECEIVING RAILROAD
PLAN BRIDGE "C"
KINGSTON FOSSIL PLANT



PROFILE
QUARRY CREEK BRIDGE

COAL RECEIVING RAILROAD
PROFILE BRIDGE "C"
KINGSTON FOSSIL PLANT

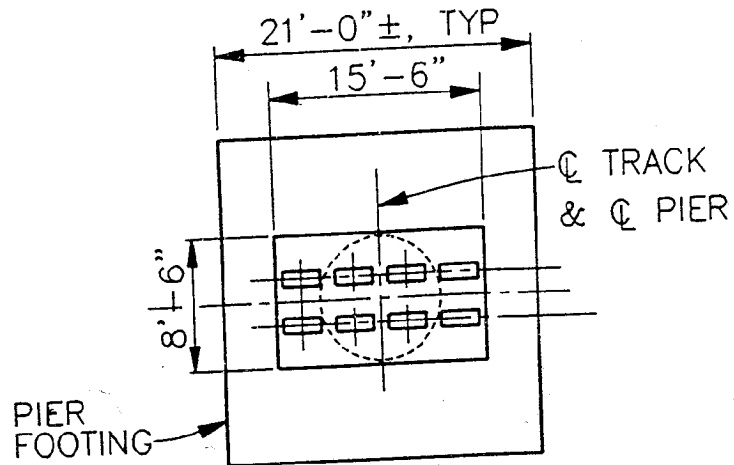


TYPICAL FILL SECTION
 STA 79+00 TO STA 89+00

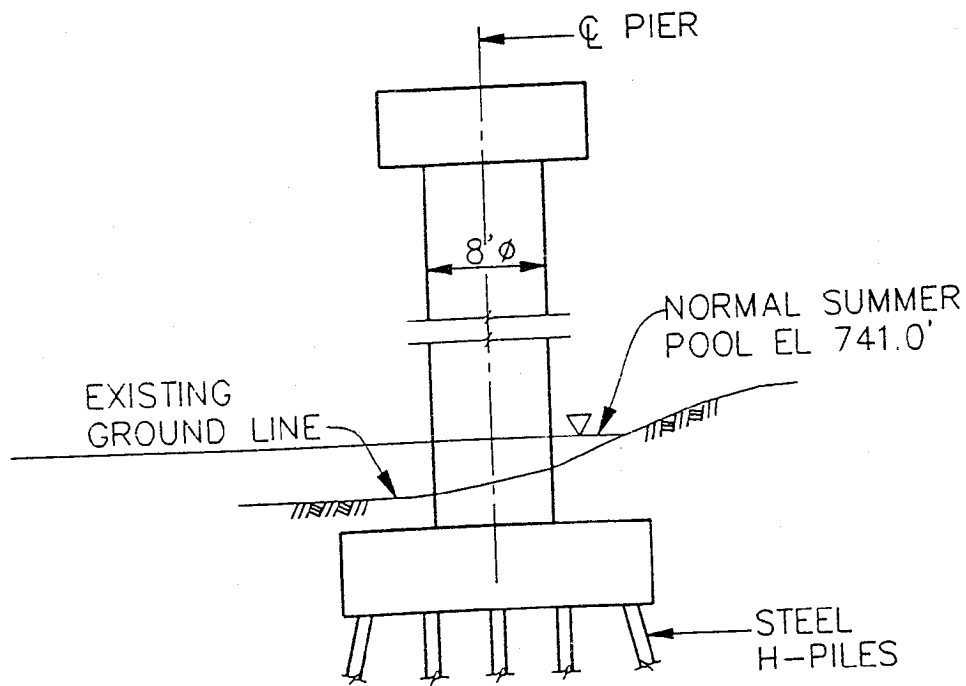
FILL QUANTITIES BELOW NORMAL POOL
 ELEVATION 741.0'

ROCK FILL	25,000 CY
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COAL RECEIVING RAILROAD
FILL NEAR BRIDGE "C"
KINGSTON FOSSIL PLANT



PLAN



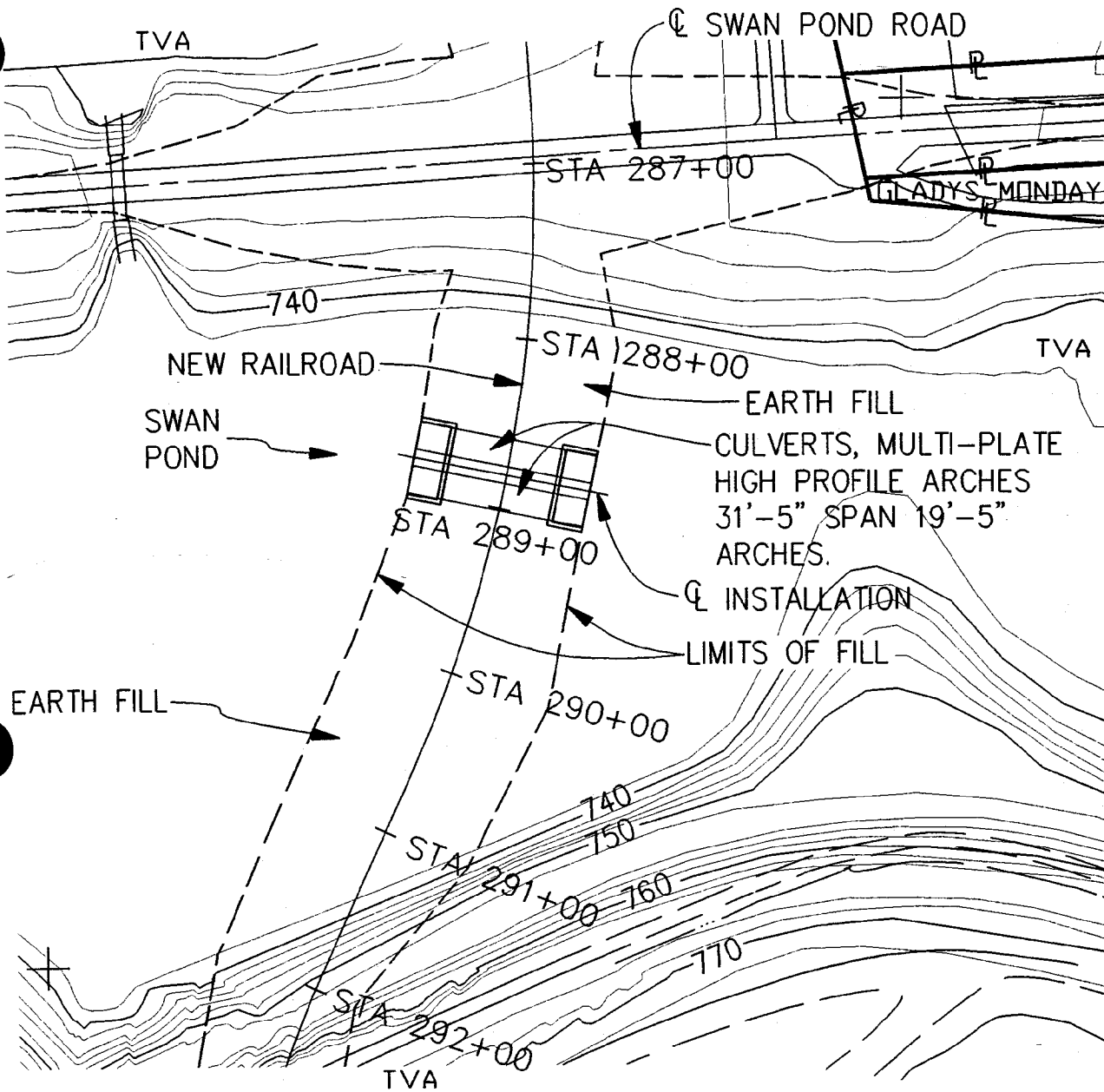
ELEVATION

COAL RECEIVING RAILROAD
DETAILS
BRIDGE "C"
KINGSTON FOSSIL PLANT

FILL QUANTITIES BELOW NORMAL POOL
ELEVATION 741.0'

EARTHFILL	70 CY
FILTER	0
RIPRAP	20 CY
CONCRETE	250 CY

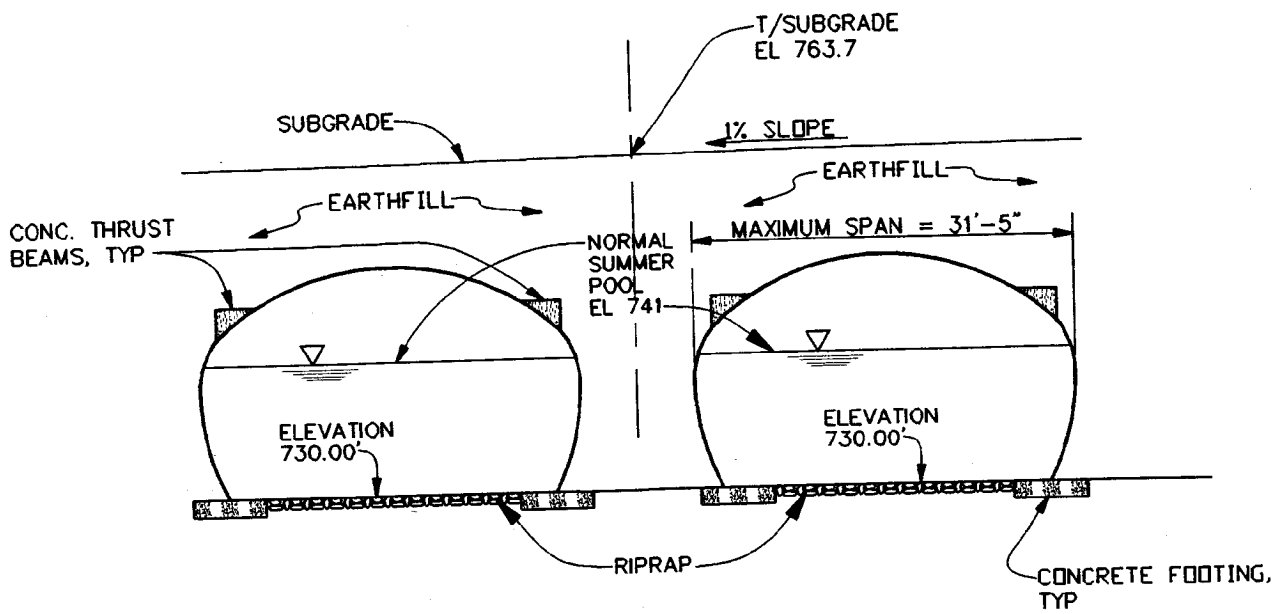
COAL RECEIVING RAILROAD
TABLE
BRIDGE "C"
KINGSTON FOSSIL PLANT



COAL RECEIVING RAILROAD

PLAN
CULVERT "D"

KINGSTON FOSSIL PLANT



PROFILE - CULVERTS
 HIGH PROFILE ARCH CULVERT

COAL RECEIVING RAILROAD
PROFILE CULVERT "D"
KINGSTON FOSSIL PLANT

FILL QUANTITIES BELOW NORMAL POOL
ELEVATION 741.0'

EARTHFILL	5500 CY
FILTER BLANKET	400 CY
RIPRAP	1500 CY
CONCRETE	300 CY
STEEL CULVERT (AREA x 0.249" THICK)	5.0 CY

COAL RECEIVING RAILROAD

TABLE
CULVERT "D"

KINGSTON FOSSIL PLANT

December 10, 1997

Mr. Carl Olsen
U.S. Army Corps of Engineers
U.S. Courthouse Annex
110 Ninth Avenue, South
Nashville, Tennessee 37202

Dear Mr. Olsen:

TENNESSEE VALLEY AUTHORITY - KINGSTON FOSSIL PLANT (KIF) -
MODIFICATION TO U.S. ARMY CORPS OF ENGINEERS (USACE) PERMIT
APPLICATION FOR RAIL SPUR

Enclosed are two drawings with modifications pertaining to the proposed rail spur at KIF. The Profile Culvert "D" drawing had a minor modification due to a different size culvert being offered by the vendor. The Plan Culvert "D" drawing enclosed in the previous application did not show the toe of fill for the roadway.

Please replace these two drawings in the application packet provided with the November 26 letter.

We regret any inconvenience this may have caused; please call Lindy Printz at (423) 751-3361 in Chattanooga if you need additional information.

Janet K. Watts
Manager of Environmental Affairs
5D Lookout Place

JWM:LKP:SGC

Enclosures

cc (Enclosures):

N. W. Burris, KFP 1A-KST
J. M. Loney, WT 8C-K
H. L. Petty, LP 2G-C

B. B. Walton, ET 10A-K (w/o Enclosures)
RIMS, WR 4Q-C (Re: A60 971124 052)

RESOLUTION NO. _____

A RESOLUTION OF THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF HARRIMAN, TENNESSEE RECOMMENDING THAT THE FEDERAL EMERGENCY MANAGEMENT AGENCY APPROVE A MAP REVISION OF THE FLOOD INSURANCE RATE MAPS AS REQUESTED BY THE TENNESSEE VALLEY AUTHORITY ON THE EMORY RIVER

WHEREAS, the City of Harriman is a participant in the National Flood Insurance Program; and

WHEREAS, the Harriman Municipal and Regional Planning Commission has reviewed the proposed Kingston Fossil Plant Coal Receiving Railroad project and understands that it will increase flood elevations in a portion of the city and planning region approximately 0.2 of one foot; and

WHEREAS, the proposed project will result in changes in flood elevations which will require revisions to the flood insurance rate maps(FIRM); and

WHEREAS, the Harriman Municipal and Regional Planning Commission has recommended approval of the proposed revisions to the Board of Mayor and Aldermen on the thirteenth of November, 1997 because the elevation changes are minimal with little or no effect on existing property.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Mayor and Aldermen hereby recommends that the FIRM maps be revised in accordance with the changing flood elevations as presented by the Tennessee Valley Authority.

RESOLVED, this the second day of December, 1997.

AUTHENTICATED:

ATTEST:

Harold Wester
The Honorable Harold Wester
Mayor

Margaret J. Evans
City Recorder

Post-it* Fax Note	7671	Date	12/11/97	# of pages	1
To	LYNN BETTY	From	ROGER MILSTEAD		
Co./Dept.		Co.			
Phone #	751-6704	Phone #	632-6115		
Fax #	751-7094	Fax #	632-4670		