



US Army Corps  
of Engineers  
Nashville District

Lhp

# Public Notice

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Public Notice No      97-137      Date:      December 17, 1997

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Application No      970021330

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In Reply Refer to  
Regulatory Branch, PO Box 1070, Nashville, TN 37202-1070

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JOINT PUBLIC NOTICE  
US ARMY CORPS OF ENGINEERS  
AND  
STATE OF TENNESSEE

SUBJECT: Proposed Causeway and Approach Fill at Mile 10.4 L,  
Emory River, Roane County, Tennessee

TO ALL CONCERNED: The application described below has been submitted for a Department of the Army Permit pursuant to **Section 404 of the Clean Water Act (33 U.S.C. 1344)**. Before a permit can be issued, certification must be provided by the State of Tennessee, Division of Water Pollution Control, pursuant to Section 401(a)(1) of the CWA, that applicable water quality standards will not be violated. By copy of this notice, the applicant hereby applies for the required certification.

APPLICANT: Tennessee Valley Authority  
ATTN: Joseph R. Bynum, Vice President  
Fossil Operations  
1101 Market St., LP 3K  
Chattanooga, Tennessee 37402-2801

LOCATION: Mile 10.4 L, Emory River, Roane County, Tennessee,  
lat:35-56-32.3077 lon:84-30-36.1930

BACKGROUND: Discharges of dredged or fill material incidental to the construction of bridges across navigable waters of the United States, including cofferdams, abutments, foundation seals, piers, and temporary construction and access fills have been previously approved by Nationwide Permit #15 provided such discharges have been authorized by the U.S. Coast Guard as part of a bridge permit. Causeways and approach fills are not included under the above mentioned Nationwide Permit and therefore the Corps is processing an individual Section 404 permit. The applicant submitted an application to the U.S. Coast Guard for their review on October 16, 1997.

DESCRIPTION: The proposed work would consist of construction of a causeway and placement of approach fill associated with the construction of the Kingston fuel delivery rail spur project. Approximately 25,090 cubic yards of approach fill material would be discharged below normal summer pool (NPS) elevation of 741.0 associated with the Quarry Branch rail crossing. Approximately 7,400 cubic yards of fill material would be discharged below NPS

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associated with the Swan Creek Pond causeway construction and crossing.

Plans of the proposed work are attached to this notice.

The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit 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, floodplain values, land use, navigation, shore 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. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b)(1) of the CWA (40 CFR Part 230). A 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.

The applicant has submitted a Final Environmental Impact Statement (FEIS) titled "Kingston Fossil Plant Alternative Coal Receiving Systems" dated January 1997, which discloses the direct, indirect, and cumulative environmental effects of a proposed action and alternative actions for a new coal delivery system at TVA's Kingston Fossil Plant (KIF) in Roane County,

Tennessee. The FEIS addresses impacts to archeological, cultural, and historic resources. Copies of the FEIS have been provided to the U.S. Fish and Wildlife Service, the Tennessee Historic Commission, U.S. Environmental Protection Agency, as well as other federal, state, and local agencies. A copy of the FEIS is available for review in this office or may be obtained by contacting the applicant.

Appropriate NEPA documentation will be prepared by this agency prior to a final decision concerning issuance or denial of the requested Department of the Army Permit.

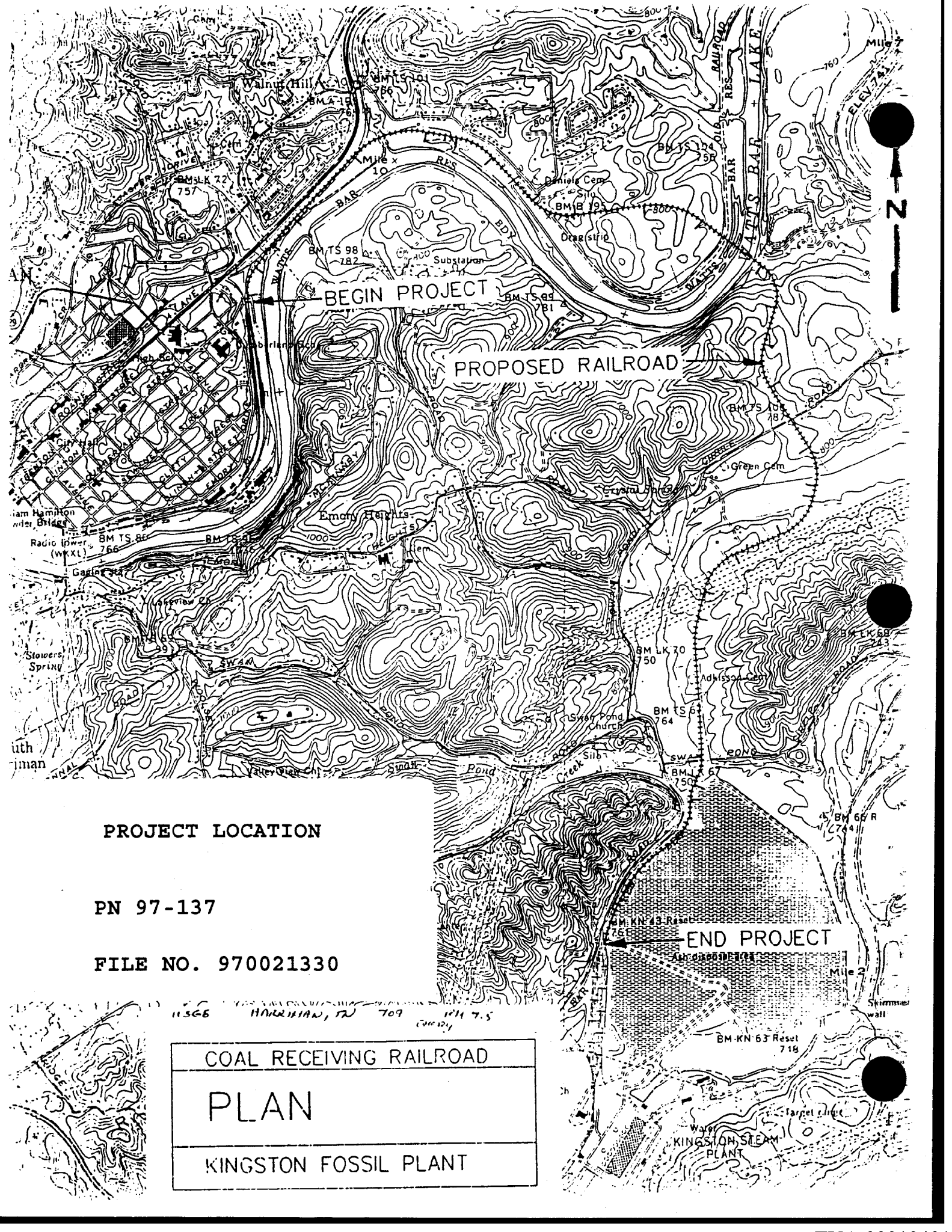
Other Federal, State, and/or local approvals required for the proposed work are as follows:

a. U.S. Coast Guard approval under Section 9 of the Rivers and Harbors Act of 1899.

b. Water quality certification from the State of Tennessee, in accordance with Section 401(a)(1) of the Clean Water Act.

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

Written statements received in this office on or before January 17, 1998, will become a part of the record and will be considered in the determination. Any response to this notice should be directed to the Regulatory Branch, Attention: Carl R. Olsen, at the above address, telephone (615) 736-5183.



**PROJECT LOCATION**

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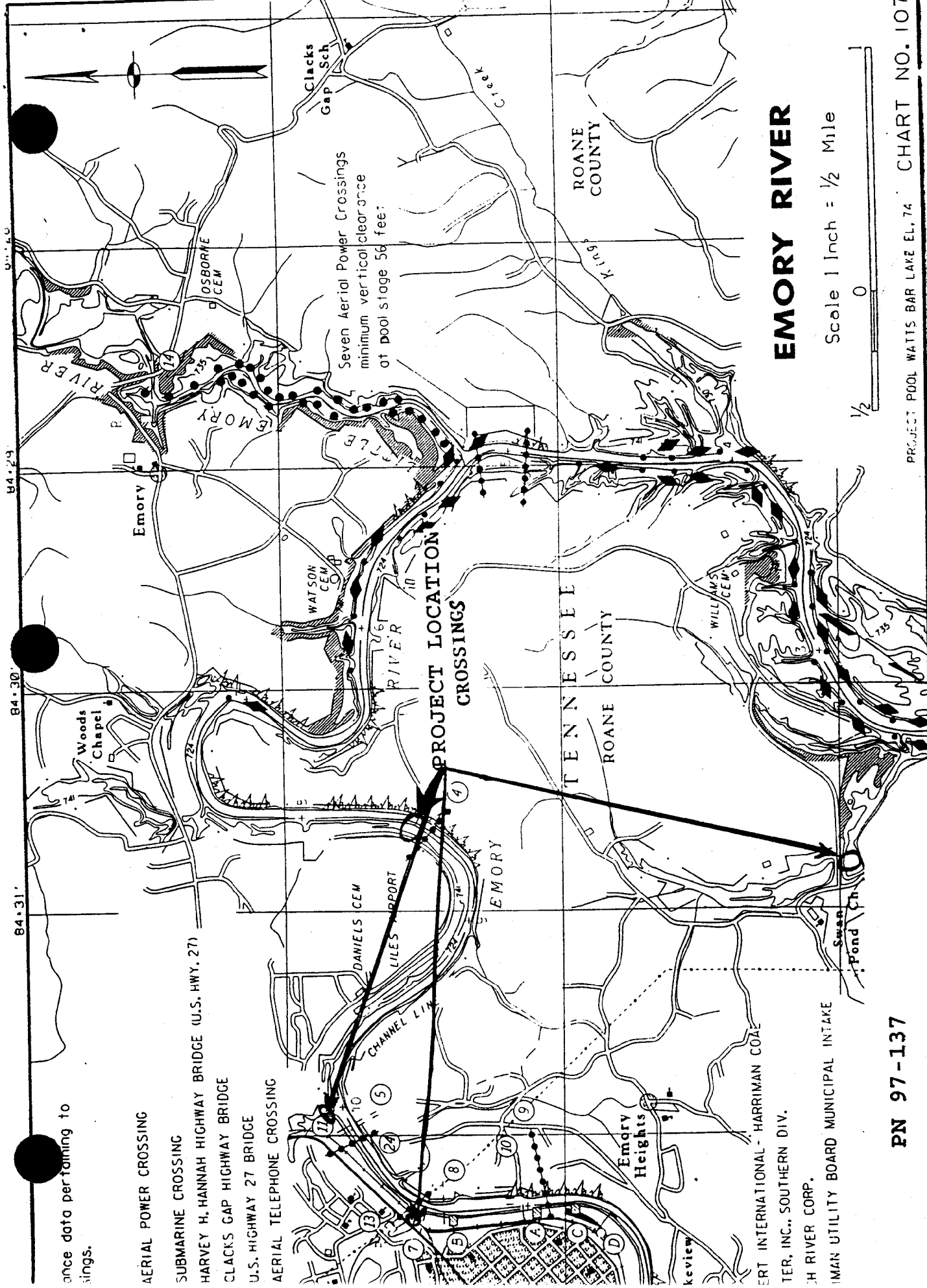
FILE NO. 970021330

COAL RECEIVING RAILROAD
PLAN
KINGSTON FOSSIL PLANT

11536 HAWKINS, TN 709 1/4 7.5

**END PROJECT**

Water  
KINGSTON STEAM  
PLANT



once data pertaining to crossings.

- AERIAL POWER CROSSING
- SUBMARINE CROSSING
- HARVEY H. HANNAH HIGHWAY BRIDGE (U.S. HWY. 27)
- CLACKS GAP HIGHWAY BRIDGE
- U.S. HIGHWAY 27 BRIDGE
- AERIAL TELEPHONE CROSSING

Seven Aerial Power Crossings  
 minimum vertical clearance  
 at pool stage 56 feet:

# EMORY RIVER

Scale 1 Inch = 1/2 Mile

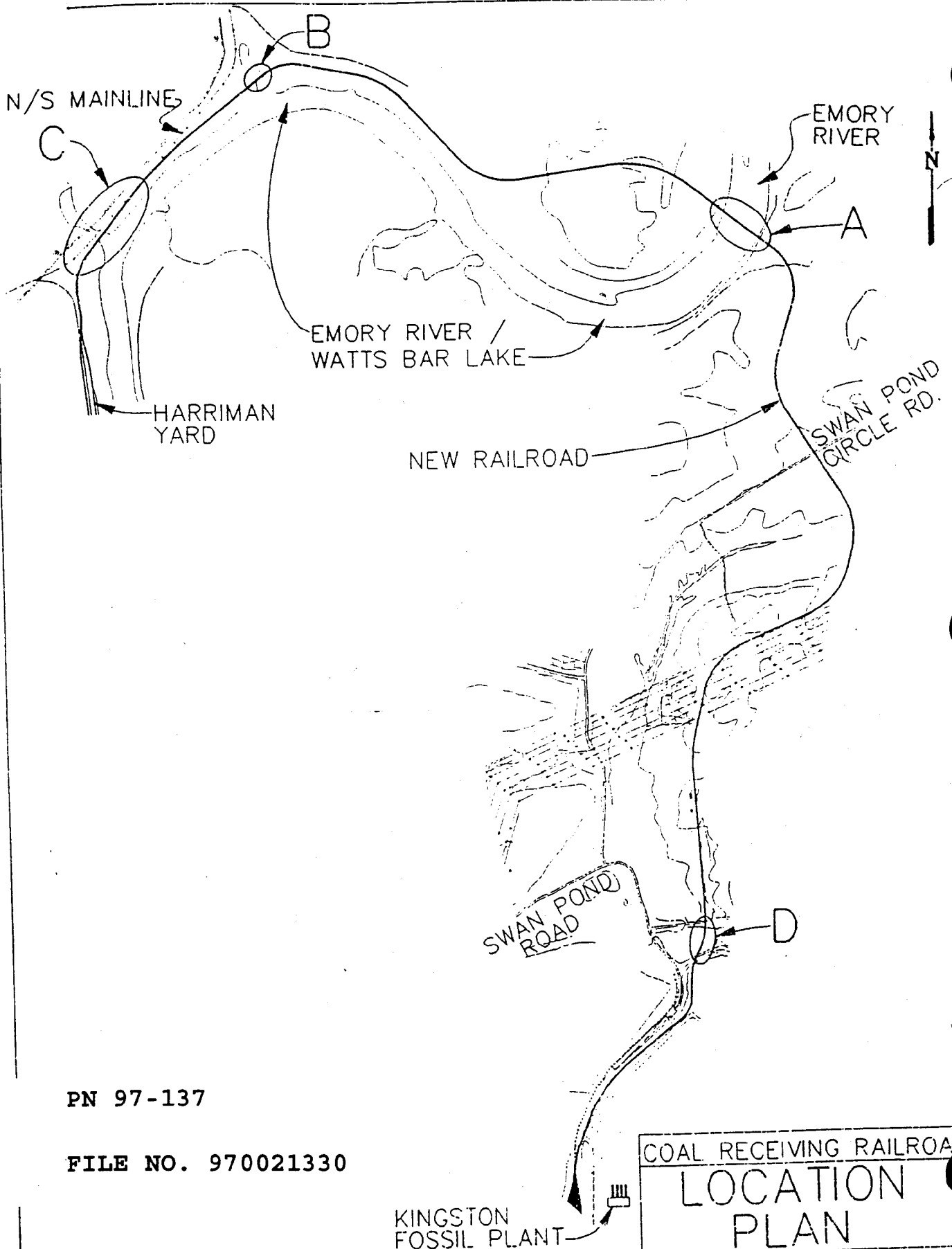


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PROJECT POOL WATTS BAR LAKE EL. 74

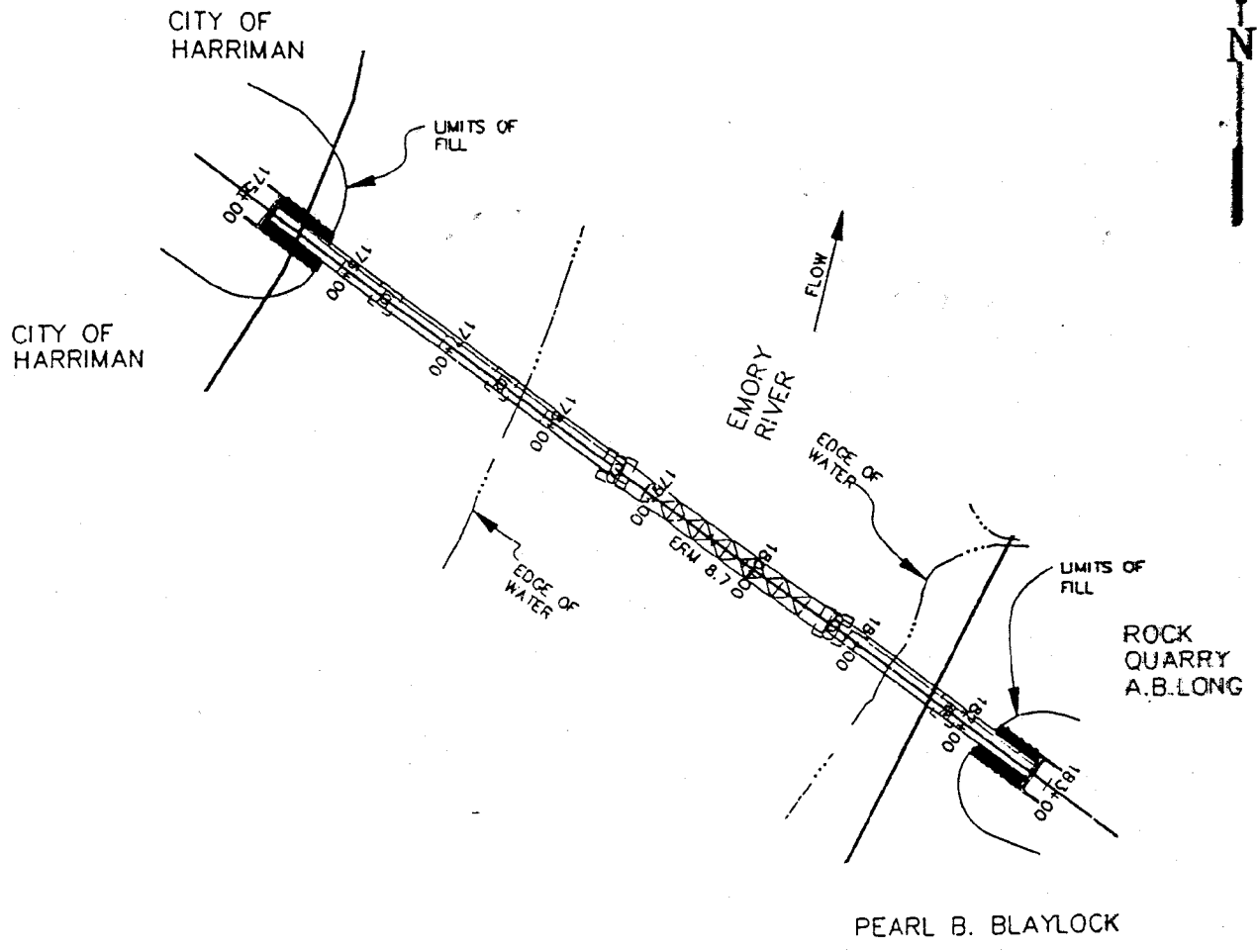
CHART NO. 107



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COAL RECEIVING RAILROAD
LOCATION PLAN
KINGSTON FOSSIL PLANT



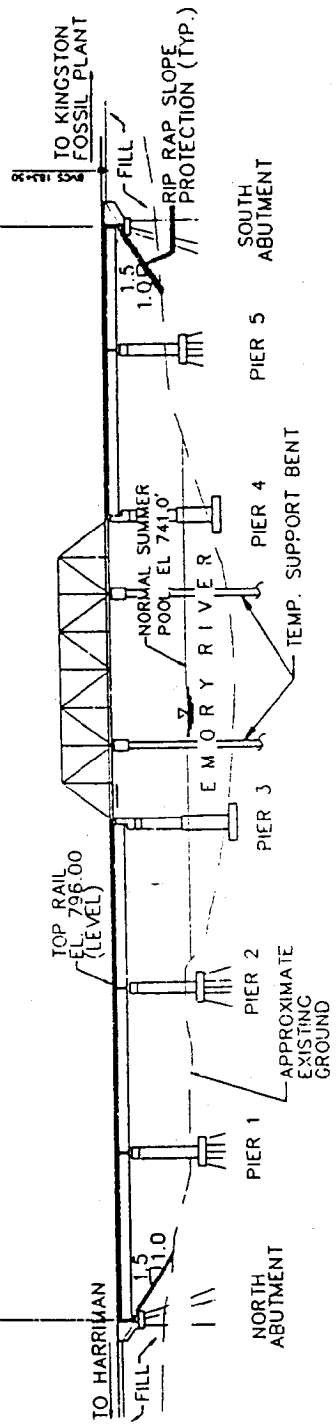
PLAN

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COAL RECEIVING RAILROAD
PLAN
BRIDGE "A"
KINGSTON FOSSIL PLANT

780'-0"



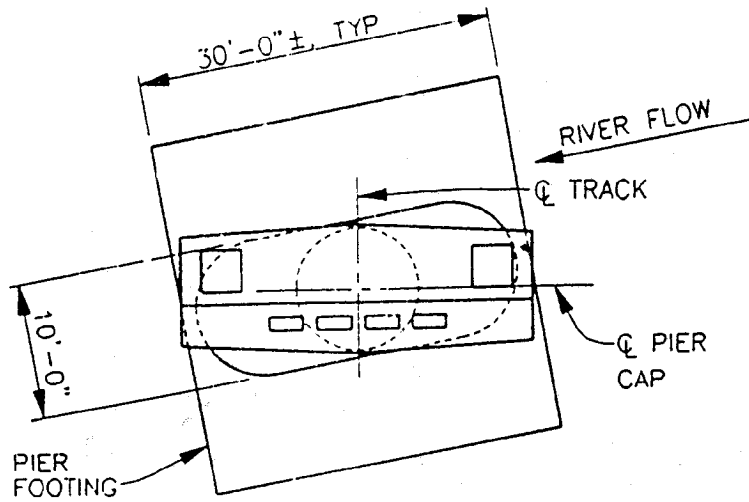
PROFILE  
EMORY RIVER BRIDGE

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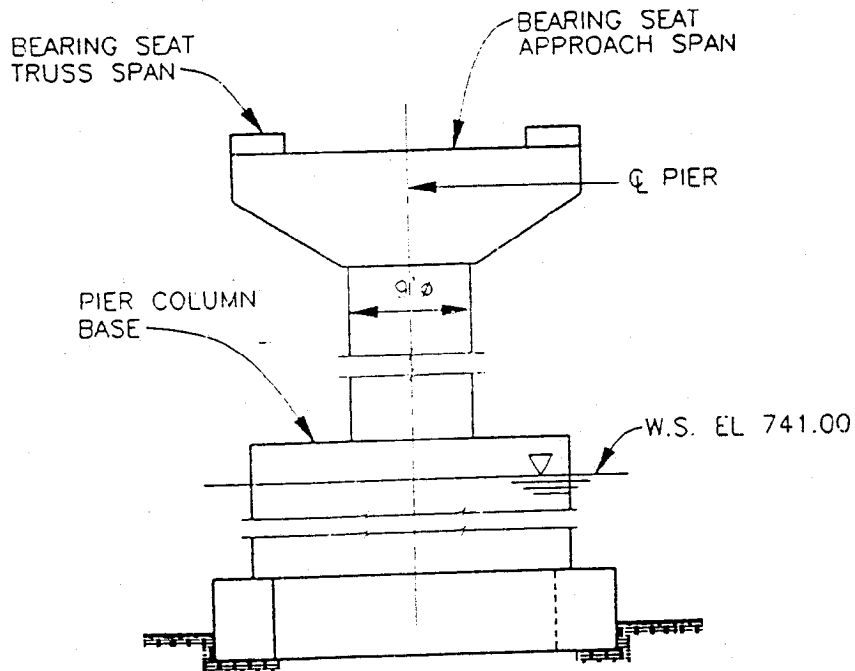
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COAL RECEIVING RAILROAD
PROFILE BRIDGE "A"
KINGSTON FOSSIL PLANT





PLAN - CENTER SPAN PIERS



ELEVATION - CENTER SPAN PIERS

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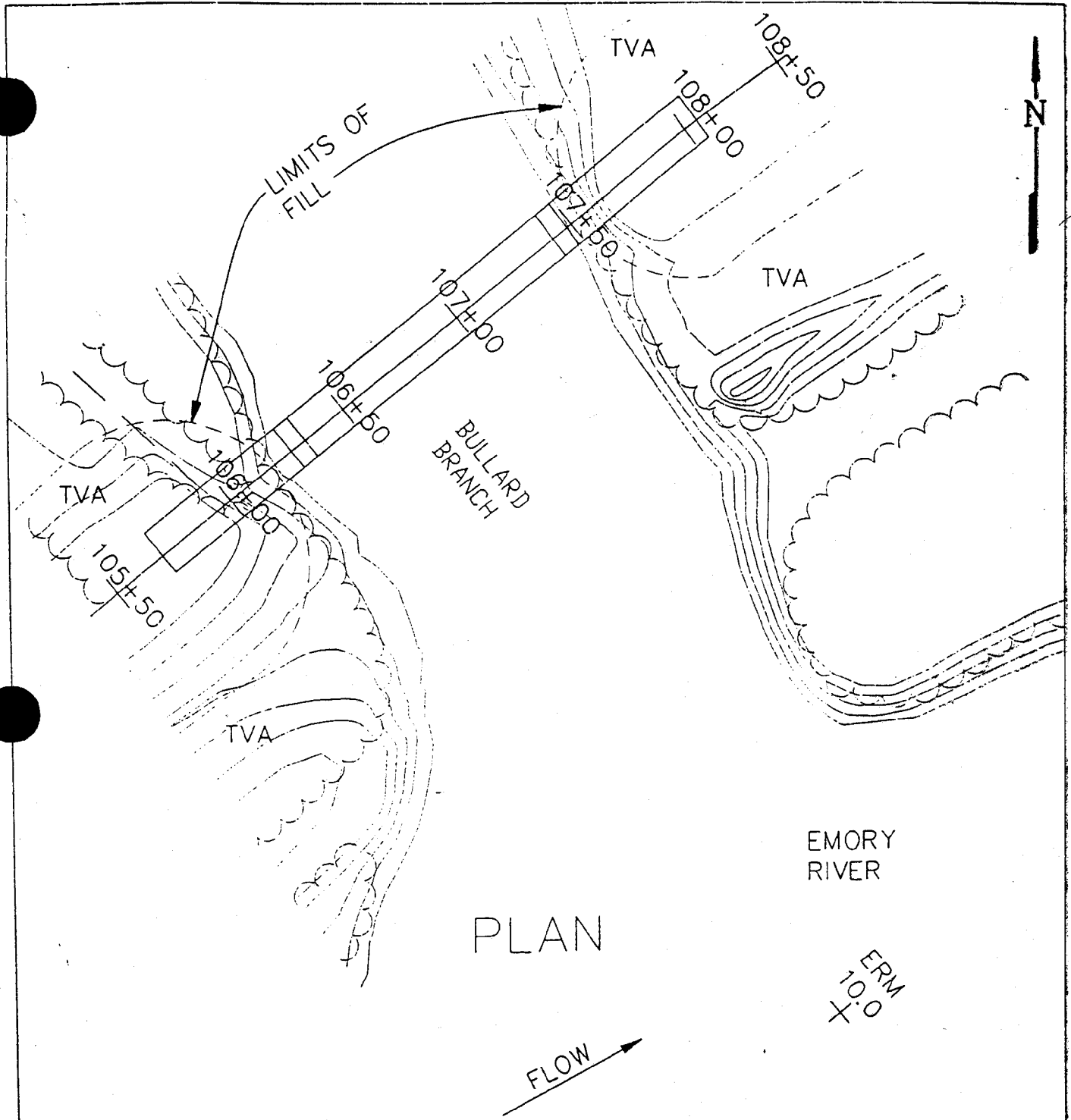
COAL RECEIVING RAILROAD
DETAILS
BRIDGE "A"
KINGSTON FOSSIL PLANT

EARTHFILL	0
FILTER	0
RIPRAP	0
CONCRETE	1,100 CY

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

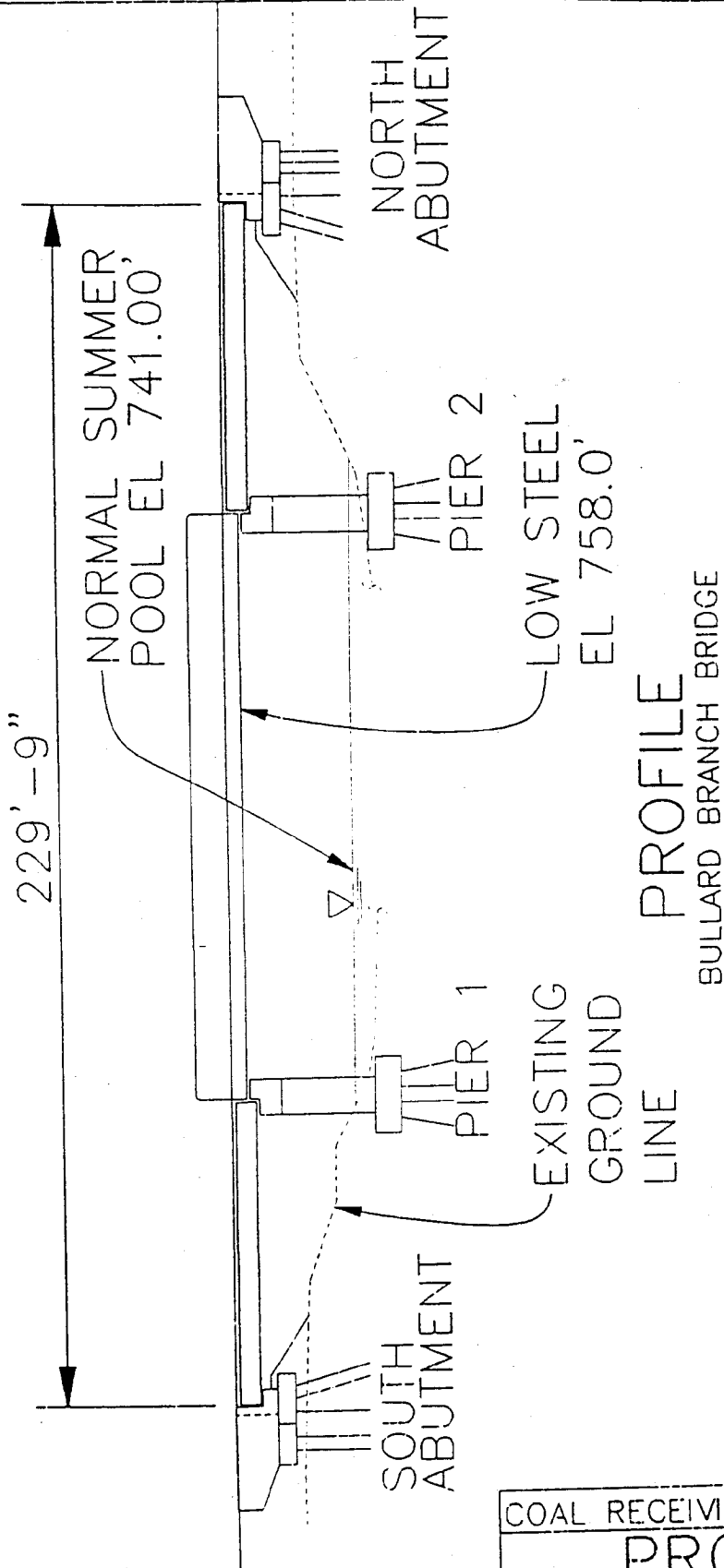


PLAN

COAL RECEIVING RAILROAD
PLAN
BRIDGE "B"
KINGSTON FOSSIL PLANT

FILE NO. 970021330

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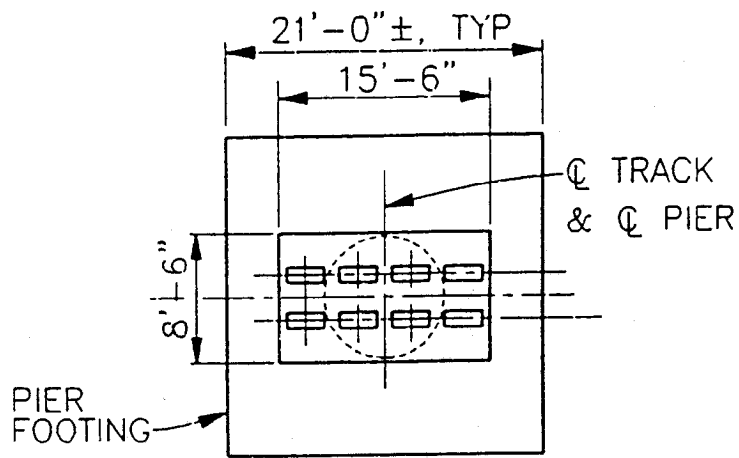
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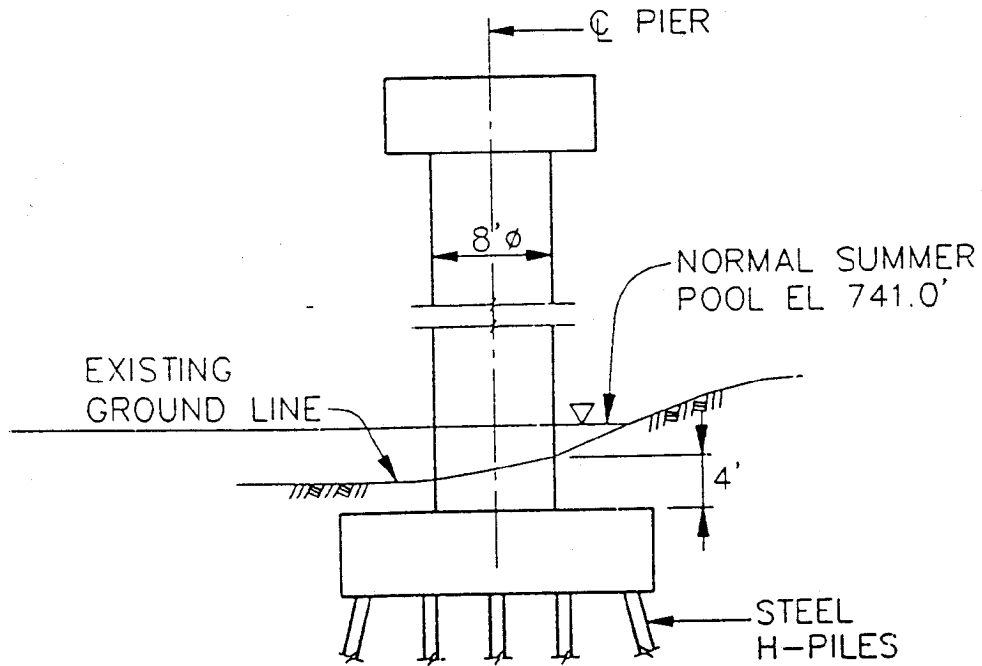
COAL RECEIVING RAILROAD

PROFILE  
BRIDGE "B"

KINGSTON FOSSIL PLANT



PLAN

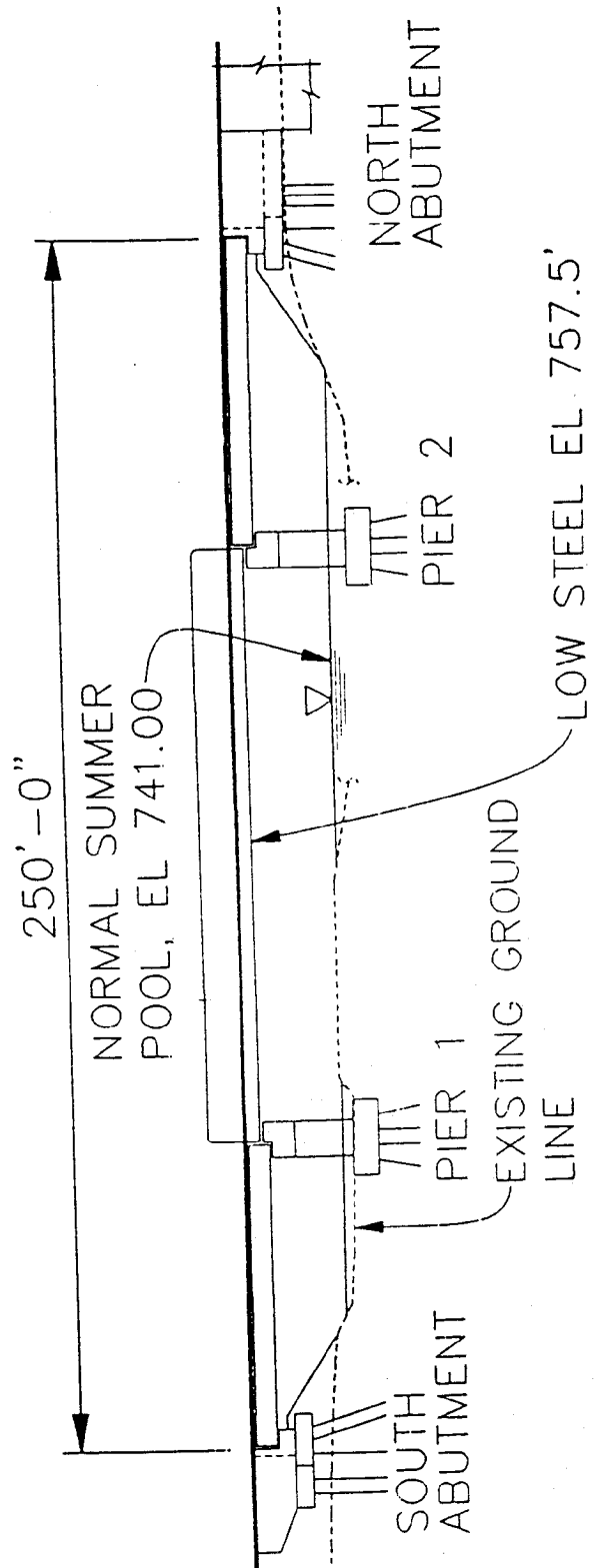


ELEVATION

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COAL RECEIVING RAILROAD
DETAILS
BRIDGE "B"
KINGSTON FOSSIL PLANT

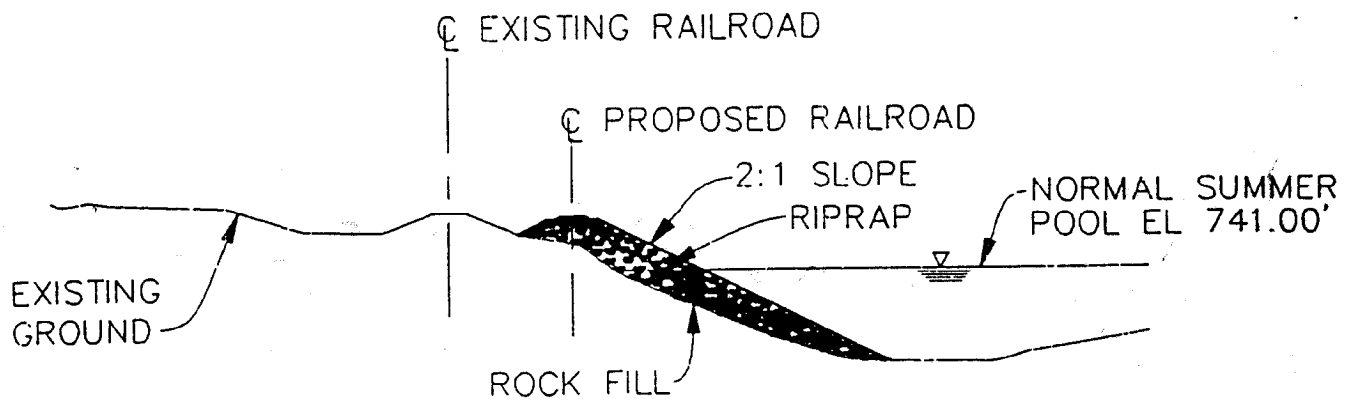


PROFILE  
QUARRY CREEK BRIDGE

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COAL RECEIVING RAILROAD
PROFILE BRIDGE "C"
KINGSTON FOSSIL PLANT



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

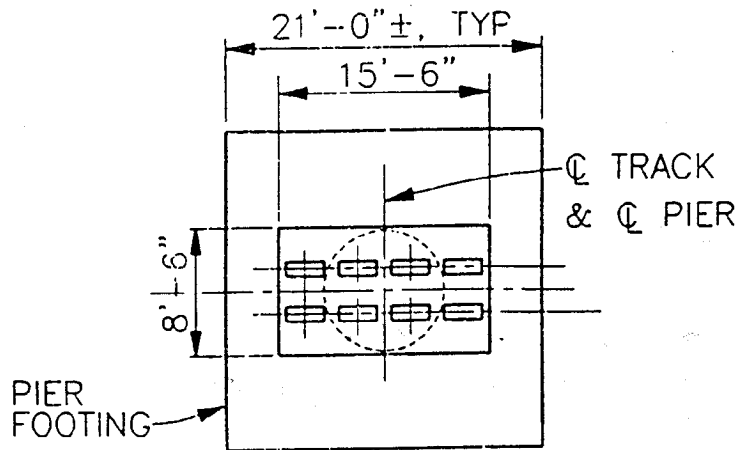
FILL QUANTITIES BELOW NORMAL POOL  
 ELEVATION 741.0'

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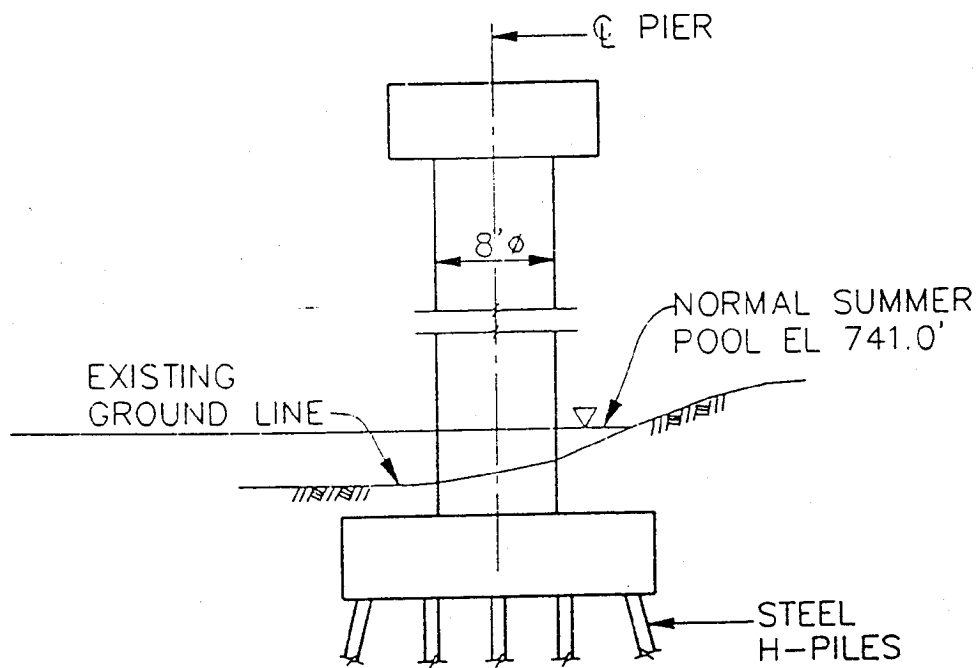
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COAL RECEIVING RAILROAD
FILL NEAR BRIDGE "C"
KINGSTON FOSSIL PLANT



PLAN



ELEVATION

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FILE NO. 970021330

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

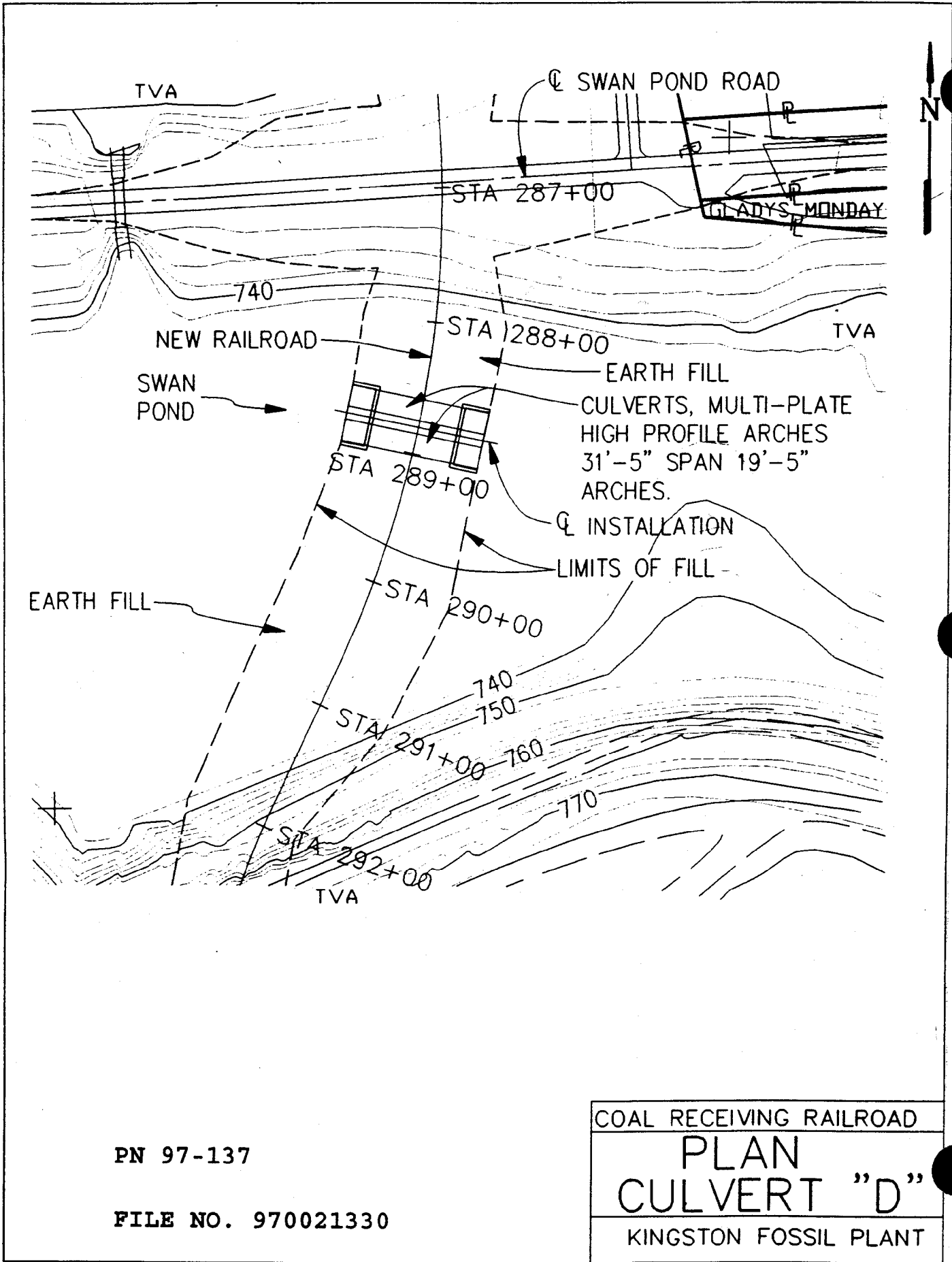
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COAL RECEIVING RAILROAD

TABLE  
BRIDGE "C"

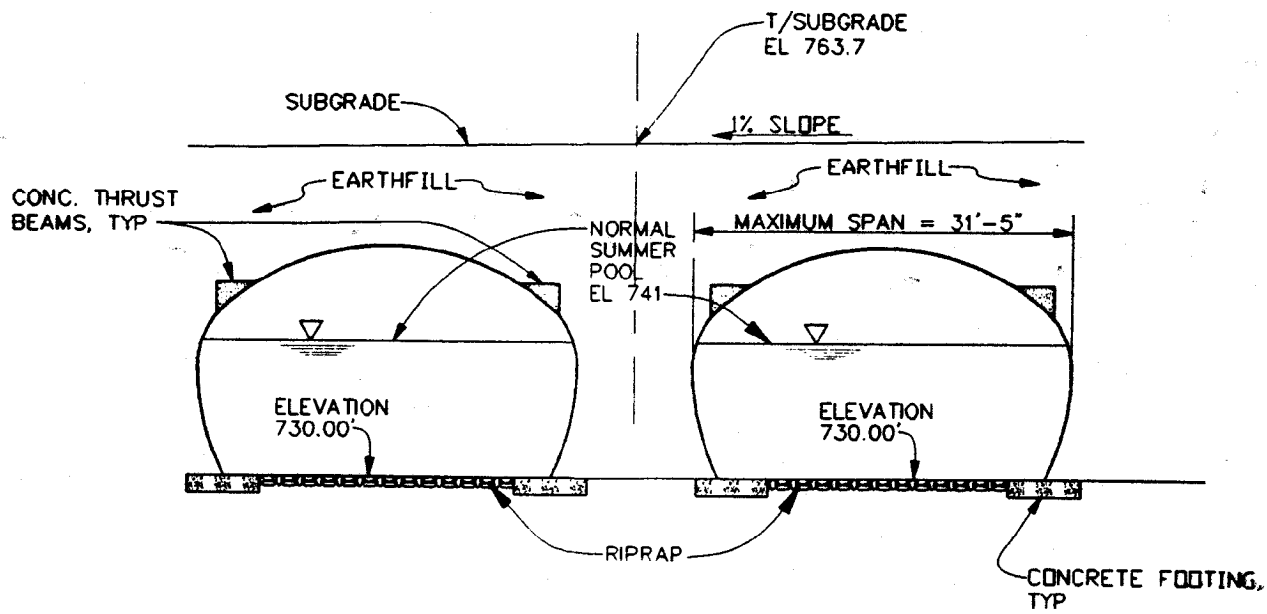
KINGSTON FOSSIL PLANT



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COAL RECEIVING RAILROAD
PLAN
CULVERT "D"
KINGSTON FOSSIL PLANT

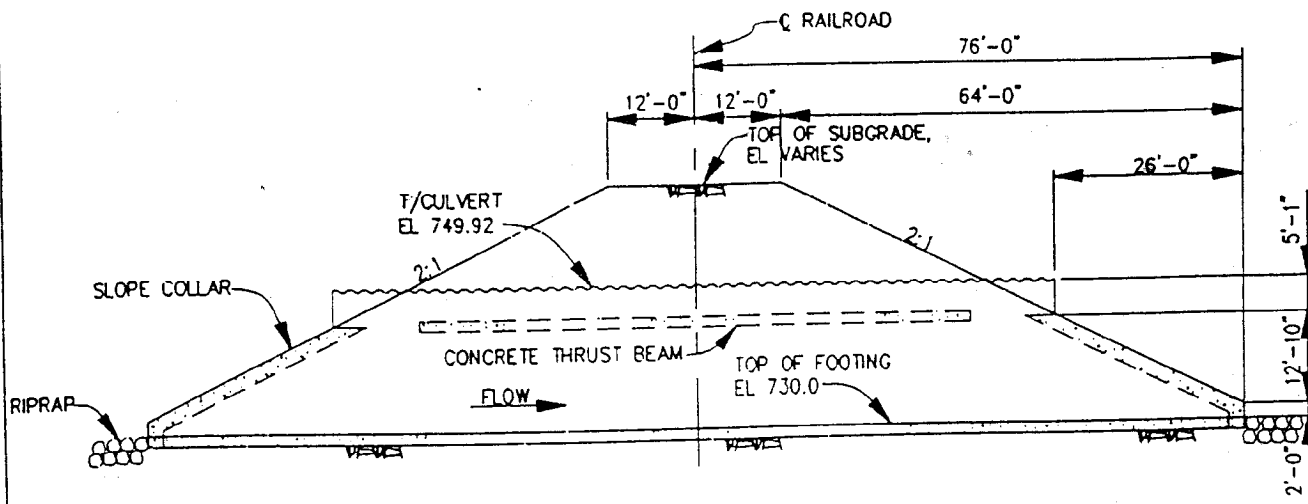


PROFILE - CULVERTS  
 HIGH PROFILE ARCH CULVERT

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COAL RECEIVING RAILROAD
PROFILE CULVERT "D"
KINGSTON FOSSIL PLANT



TYPICAL SECTION  
 SYMMETRICAL ABOUT CENTERLINE

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COAL RECEIVING RAILROAD
TYP. SECTION
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

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COAL RECEIVING RAILROAD

TABLE  
CULVERT "D"

KINGSTON FOSSIL PLANT

