



Public Notice

**U S Army Corps
of Engineers**
Huntington District

In reply refer to Public Notice No.

LRH-0-43596-KAN

Issuance Date:

June 15, 2007

Stream:

Kanawha River, Mile Point 78.4

Closing Date:

July 16, 2007

Please address all comments and inquiries to:

U.S. Army Corps of Engineers, Huntington District

ATTN: CELRH-OR-F Public Notice No. (*reference above*)

502 Eighth Street

Huntington, West Virginia 25701-2070

Phone: (304) 399-5710

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 U. S., 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 (CWA) and Section 10 of the Rivers and Harbors Act of 1899. This notice also serves as the Corps of Engineers' request to the West Virginia Department of Environmental Protection to act on Section 401 Water Quality Certification for the following application.

APPLICANT: **Appalachian Power Company dba American Electric Power**
1 Riverside Plaza
Columbus, OH 43215

LOCATION: The project site is located along the right descending bank of the Kanawha River, 78.4 miles above the mouth of the river, at approximate Latitude 38.208194, Longitude 81.424816, near Glasgow, Kanawha County, West Virginia. The project location is shown on

attached **Figure 1**. Both the existing and proposed facilities are within the Marmet Lock & Dam pool.

DESCRIPTION OF THE PROPOSED WORK: The applicant proposes to modify its existing barge mooring and coal unloading facility at the Kanawha River plant as shown on the attached **Figures 2 through 4**. The existing facility consists of one 24-foot diameter steel sheet pile cell located 105 feet riverward of the shore at normal pool. Sixteen 14'-7" diameter steel sheet pile cells exist parallel to the shoreline, with the riverward edge of each cell being 35 feet channelward of the shoreline. Four of the cells support a traveling crane unloader and conveyor structure. The top of all mooring cells project 27 feet above normal pool elevation of 590.0. To support jumbo barges, the original construction of the facility included the dredging of 5,500 cubic yards of river material to elevation 579.0 feet. However, during actual operation only standard 100-ton barges (175' x 26') were moored in a maximum configuration of seven barges long, four barges wide at the two upstream rows and three barges wide for all lower rows. Construction of the existing facilities and dredging were authorized by a Department of the Army (DA) permit dated January 15, 1953. One boat-house was later constructed within the mooring facility under a separate DA permit. No barge traffic has occurred at this facility in the past year.

The applicant proposes to replace the existing barge unloader with a balanced hydraulic crane barge unloader mounted on a new 40-foot diameter (nominal) steel sheet pile cell filled with clean sand and gravel and capped with concrete to a top elevation of 617.0 feet. The riverward edge of the new cell would be placed in line with the riverward edge of the existing mooring cells. A walkway bridge would also be installed to provide access from the new river cell to the existing coal receiving hopper river cells. This proposed cell and crane would allow for improved unloading of coal from river barges to onshore storage piles. The applicant would moor jumbo barges in a maximum configuration of seven barges long (1,365 feet), four barges wide (195 feet) at the two upstream rows and three barges wide (105 feet) for all lower rows.

The applicant states that although no dredging has been performed in the existing permitted facility within the last 20 years, recent bathymetric studies show that silt and sand have accumulated above the original design bottom elevation of 579.0 feet at specific locations within the facility footprint. In order to assure the facility would be fully operational, the applicant requests authorization to dredge the river within the facility area as shown on the attached **Figures 5 and 6** to 579.0 feet. A 1-foot overdredge allowance is also requested (to a maximum 578.0). Dredging would be conducted within an area 1,280 feet long by 115 feet wide. However, only the areas with a present bottom elevation above 579 would be dredged. Approximately 4,000 cubic yards of material would be dredged from the river using a barge-mounted clamshell bucket. A turbidity curtain would be used to control silt during the dredging process. The dredged material would be transported by barge and offloaded at the Belleview Sand and Gravel Inc. unloading facility located on the Ohio River, 501.6 miles below Pittsburgh, Pennsylvania, in Boone County, Kentucky. This facility is authorized by DA permit LRL-1992-710-OHR. The dredged material would then be transported to the Belleview Construction and Demolition Debris Landfill near Petersburg, Boone County, Kentucky. This is a previously established disposal site approved by Kentucky Division of Waste Management permit 008-00018 on March 12, 2001.

WATER QUALITY CERTIFICATION: A Section 401 Water Quality Certification is required for the proposed project. It is the applicant's responsibility to obtain certification from the West Virginia Department of Environmental Protection.

HISTORIC AND CULTURAL RESOURCES: The proposal would include the discharge of fill material and dredging below the normal pool of the river. The applicant states that any work that may occur in upland areas to support this project would be on the Plant grounds in areas already severely disturbed by past construction. No other fills within waters of the U.S. are proposed. This public notice serves as coordination with the West Virginia Division of Culture and History for information concerning whether any historic properties listed or eligible for listing in the National Inventory of Historic Places may be affected by the activity, pursuant to Section 106 of the National Historic Preservation Act.

ENDANGERED/THREATENED SPECIES REVIEW: In order to determine the proposed project's impact on any endangered mussels within the project area, the applicant has agreed to perform a mussel survey, scheduled for mid-June, in the project area after receiving approval from the U.S. Fish and Wildlife Service (USFWS) and West Virginia Division of Natural Resources concerning the proposed survey plan. This public notice will serve as coordination with the USFWS for information concerning whether any listed or proposed to be listed endangered or threatened species may be present in the area that 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: 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. 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.

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 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. 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.

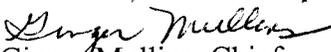
SOLICITATION OF COMMENTS: The public notice is being distributed to all known interested persons in order to assist in developing fact upon which a decision by the District Engineer may be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing, setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Any 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.

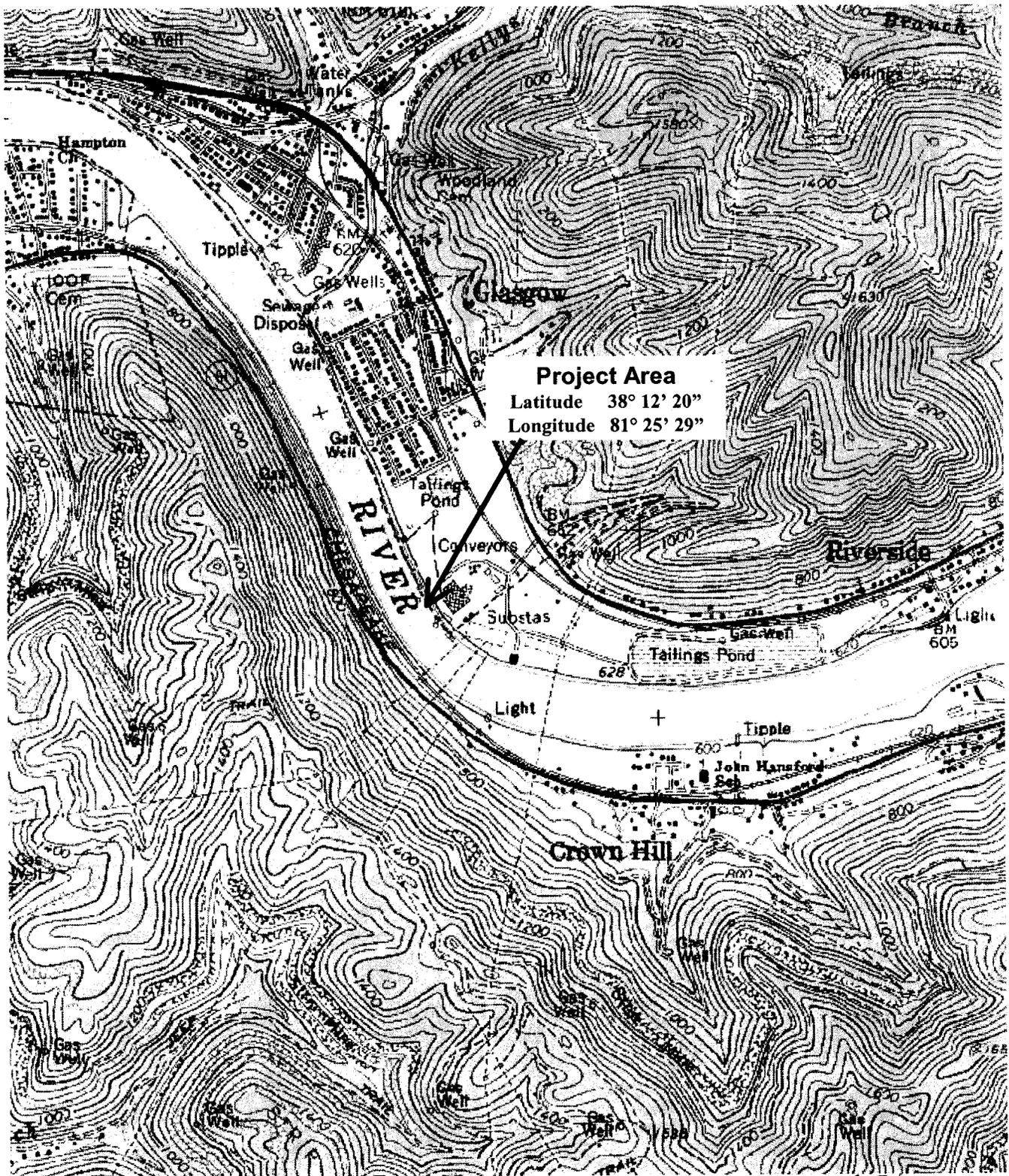
Comments and requests for additional information should be submitted to Richard Berkes, Project Manager, South Regulatory Section, CELRH OR-FS; U. S. Army Corps of Engineers Huntington District; 502 Eighth Street; Huntington, West Virginia 25701-2070. Please note that names and addresses of those who submit comments in response to this public notice may be made publicly available.

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 Richard Berkes, South Regulatory Section, CELRH OR-FS; U. S. Army Corps of Engineers Huntington District; 502 Eighth Street; Huntington, West Virginia 25701-2070. Please note that 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 call Richard Berkes of the South Regulatory Section at 304-399-6909.


Ginger Mullins, Chief
Regulatory Branch

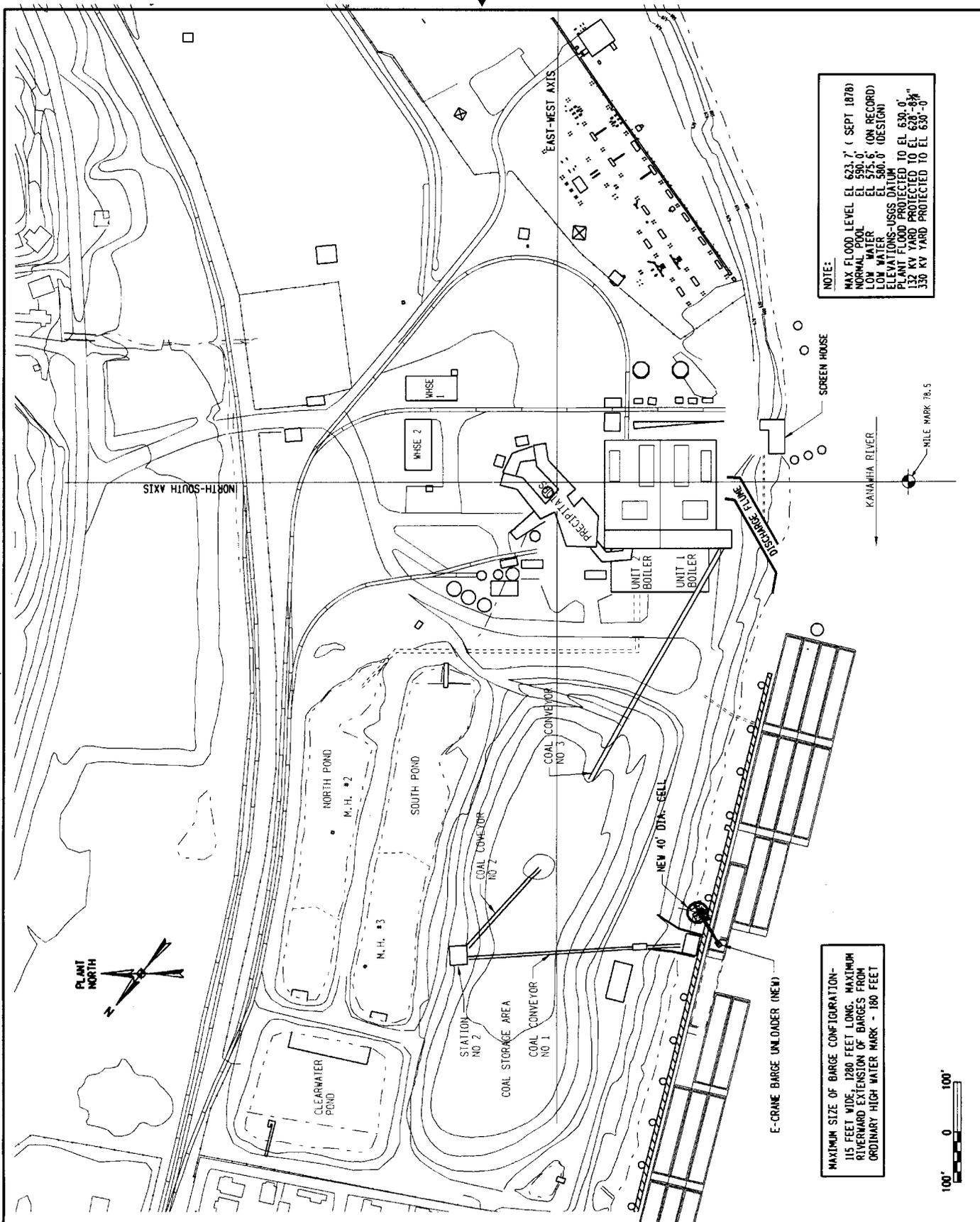
(W)



**Appalachian Power Company dba American Electric Power
 Kanawha River Plant #1 Barge Unloader Replacement Project
 Project Location Map**

02.16.07

FIGURE 1
 Public Notice LRH-0-43596-KAN



NOTE:
 MAX FLOOD LEVEL EL 623.7' (SEPT 1878)
 NORMAL POOL EL 590.0' (ON RECORD)
 LOW WATER EL 575.6' (ON RECORD)
 ELEVATIONS - USGS D.T.M.
 PLANT FLOOD PROTECTED TO EL 630.0"
 132 KV YARD PROTECTED TO EL 628'-8 1/2"
 330 KV YARD PROTECTED TO EL 630'-0"

MAXIMUM SIZE OF BARGE CONFIGURATION-
 115 FEET WIDE, 1280 FEET LONG. MAXIMUM
 RIVERWARD EXTENSION OF BARGES FROM
 ORDINARY HIGH WATER MARK - 180 FEET



DRN BY: K. Fijalkowski
 DATE: 4/18/07
 SCALE: AS NOTED

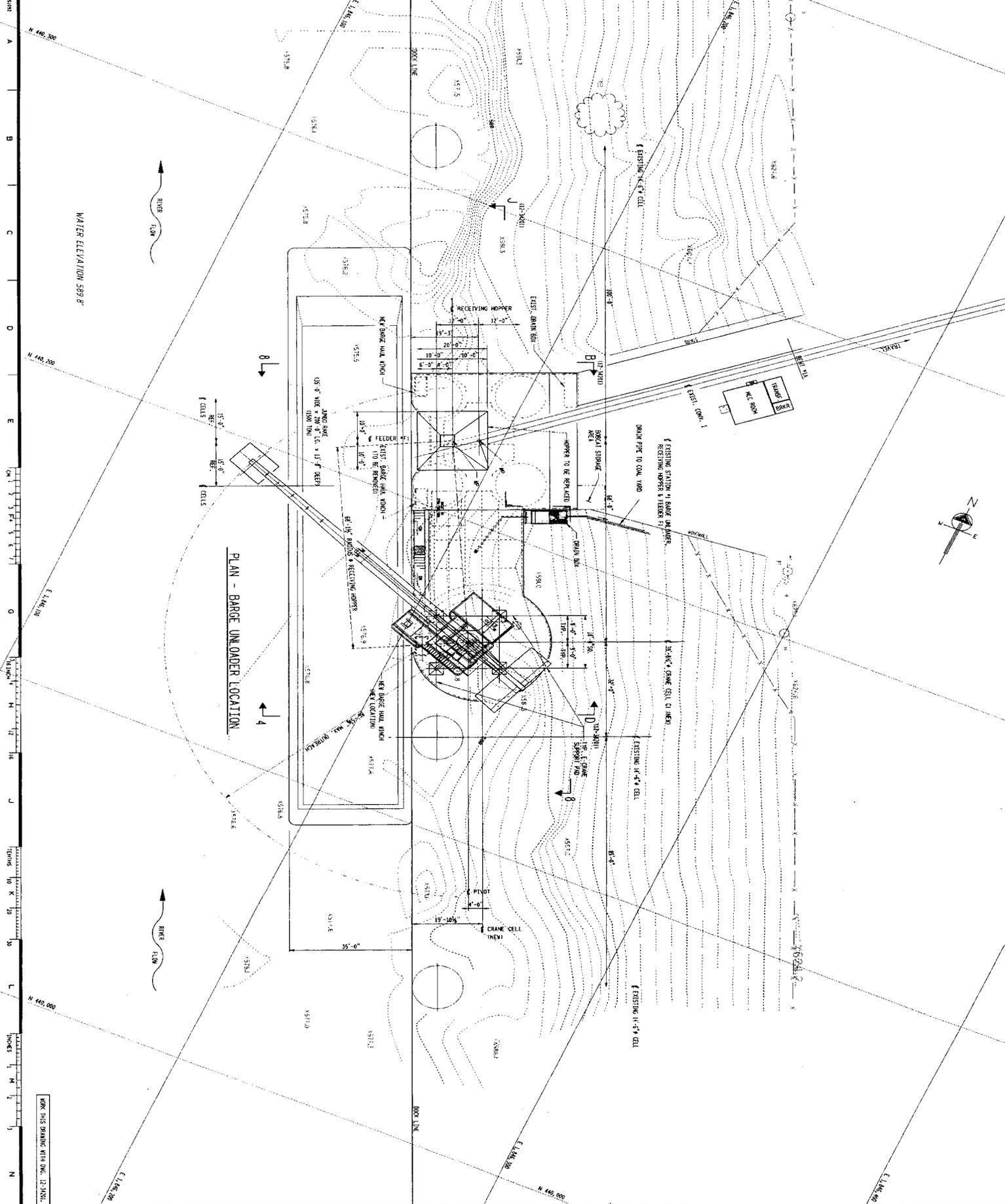
KANAWHA RIVER PLANT
 GLASGOW, WEST VIRGINIA
 SITE PLAN



AEP SERVICE CORP.
 1 RIVERSIDE PLAZA
 COLUMBUS, OH 43215

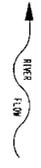
FIGURE 2
 Public Notice LRH-0-43596-KAN

FIGURE 4
Public Notice LRH-0-43596-KAN



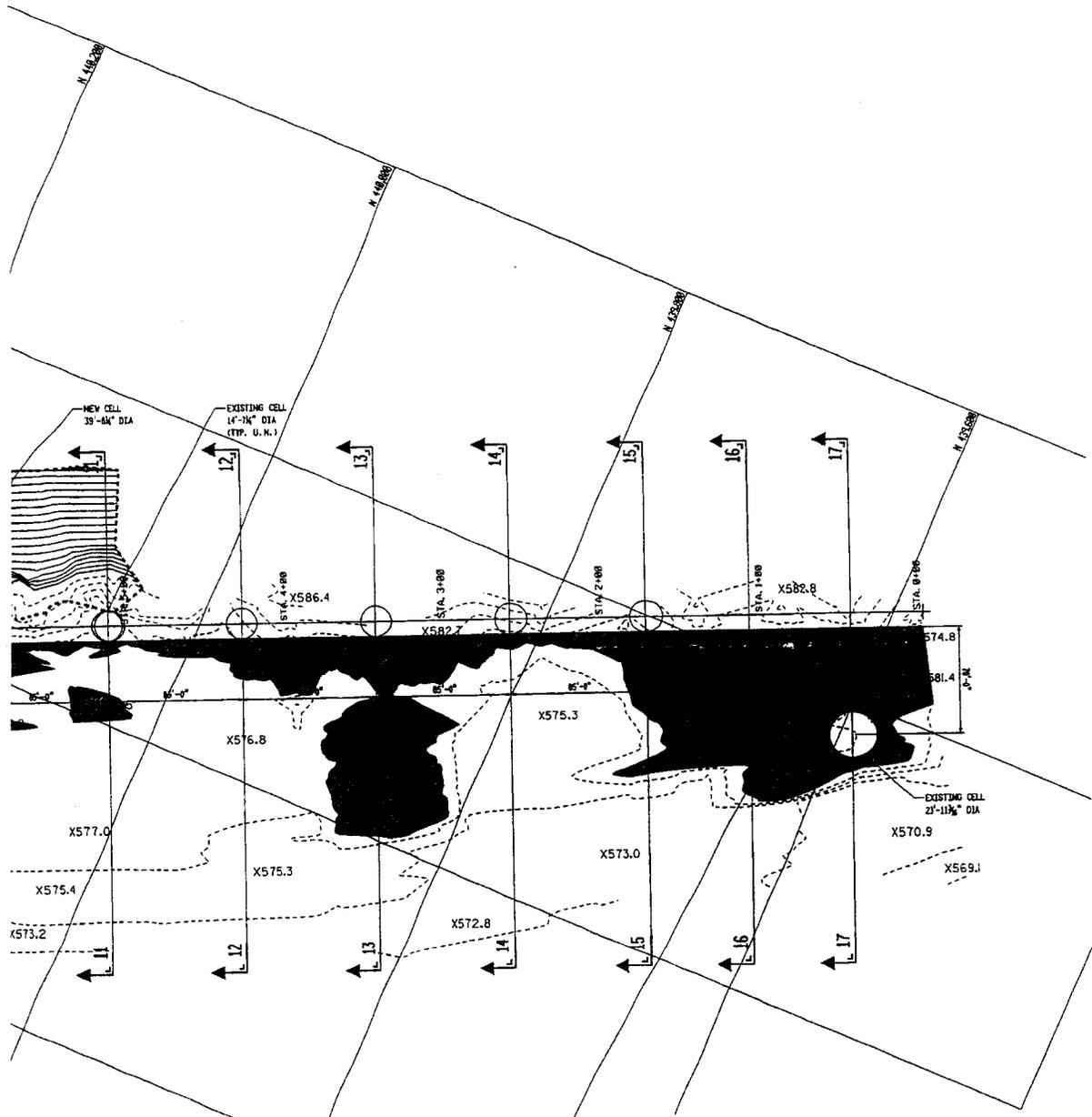
PLAN - BARGE UNDRER LOCATION

WATER ELEVATION 589.9'



Grid lines A through N and 0 through 9 are marked along the left edge of the plan.

<p>NO. 1 BARGE UNDRER REPLACEMENT GENERAL ARRANGEMENT-PLAN</p>		<p>DATE: 12-3-2008</p>
<p>PROJECT: KANAWHA RIVER PLANT</p>		<p>DESIGNER: WEST VIRGINIA</p>
<p>CLIENT: WEST VIRGINIA</p>		<p>SCALE: AS SHOWN</p>
<p>PROJECT NO.: 12-34200-8</p>		<p>DATE: 12-3-2008</p>
<p>DESIGNER: WEST VIRGINIA</p>		<p>SCALE: AS SHOWN</p>
<p>CLIENT: WEST VIRGINIA</p>		<p>SCALE: AS SHOWN</p>
<p>PROJECT NO.: 12-34200-8</p>		<p>DATE: 12-3-2008</p>
<p>DESIGNER: WEST VIRGINIA</p>		<p>SCALE: AS SHOWN</p>
<p>CLIENT: WEST VIRGINIA</p>		<p>SCALE: AS SHOWN</p>



REFERENCE DRAWINGS

- 12-30200 - NO. 1 BARGE UNLOADER REPLACEMENT GENERAL ARRANGEMENT - PLAN
- 12-34511 - E-CRANE BARGE UNLOADER DREDGING CROSS SECTIONS

DATE	NO.	DESCRIPTION	APP.
7/27/07	A	ISSUED FOR PERMIT	GR

REVISIONS

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APPALACHIAN POWER COMPANY
KANAWHA RIVER PLANT
 GLASGOW WEST VIRGINIA

E-CRANE BARGE UNLOADING DOCK DREDGING PLAN

DWG. NO. 12-34510-A

SCALE: 1" = 10'
 CIVIL ENGINEERING
 DATE: 7/27/07
 DRAWN BY: KJK
 CHECKED BY: KJK
 APPROVED BY: *Alan Bandy*
 AEP AMERICAN ELECTRIC POWER
 AEP SERVICE CORP.
 RIVERSIDE PLAZA
 COLUMBUS, OH 43229

DREDGE NOTES

1. THE HYDROGRAPHICS CONTOURS SHOWN ON THESE DRAWINGS WERE OBTAINED IN SURVEYS PERFORMED BY AEP CIVIL LAB ON DEC 13, 2006.
2. DUE TO THE DYNAMIC NATURE OF RIVER SEDIMENT, ACTUAL RIVER BOTTOM DEPTHS MAY VARY FROM THAT SHOWN.
3. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT ABOVE ELEVATION 578' FROM WITHIN THE DEDGING LIMITS, WHICH IS DEFINED AS THE AREA ABOVE THE FENDERLINE OUT TOWARDS THE CENTER OF THE RIVER. THE DREDGE AREAS SHOWN ON THIS SHEET ARE BASE ON THE MATERIAL THAT WAS FOUND DURING THE ABOVE REFERENCED SURVEYS.
4. A MAXIMUM OVER DREDGE DEPTH OF 1' BELOW 578' SHALL BE ALLOWED ONLY WITHIN THOSE AREAS WITH MATERIAL ABOVE 578'. AREAS WHERE THE RIVER BOTTOM IS AT OR BELOW 578' SHALL NOT BE DREDGED.
5. THE CONTRACTOR MAY REMOVE MATERIAL VIA MECHANICAL DIGGING OR HYDRAULIC PUMPING. RIVER BOTTOM MATERIAL REMOVED DURING DREDGING OPERATIONS WILL REQUIRE OFF-SITE DISPOSAL. PLEASE INCLUDE THE LUMP SUM COST OF THIS DISPOSAL FOR THE ESTIMATED QUANTITY 3916.8 CU YD, AND ALL RELATED ACTIVITIES SUCH AS TESTING, HAULING, ETC. IN YOUR PROPOSAL.
6. THE CONTRACTOR SHOULD ALSO PROVIDE A UNIT PRICE FOR DISPOSAL PER TON IF ADDITIONAL REMOVAL WAS REQUIRED

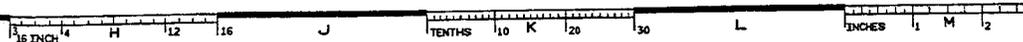


FIGURE 5
 Public Notice LRH-0-43596-KAN

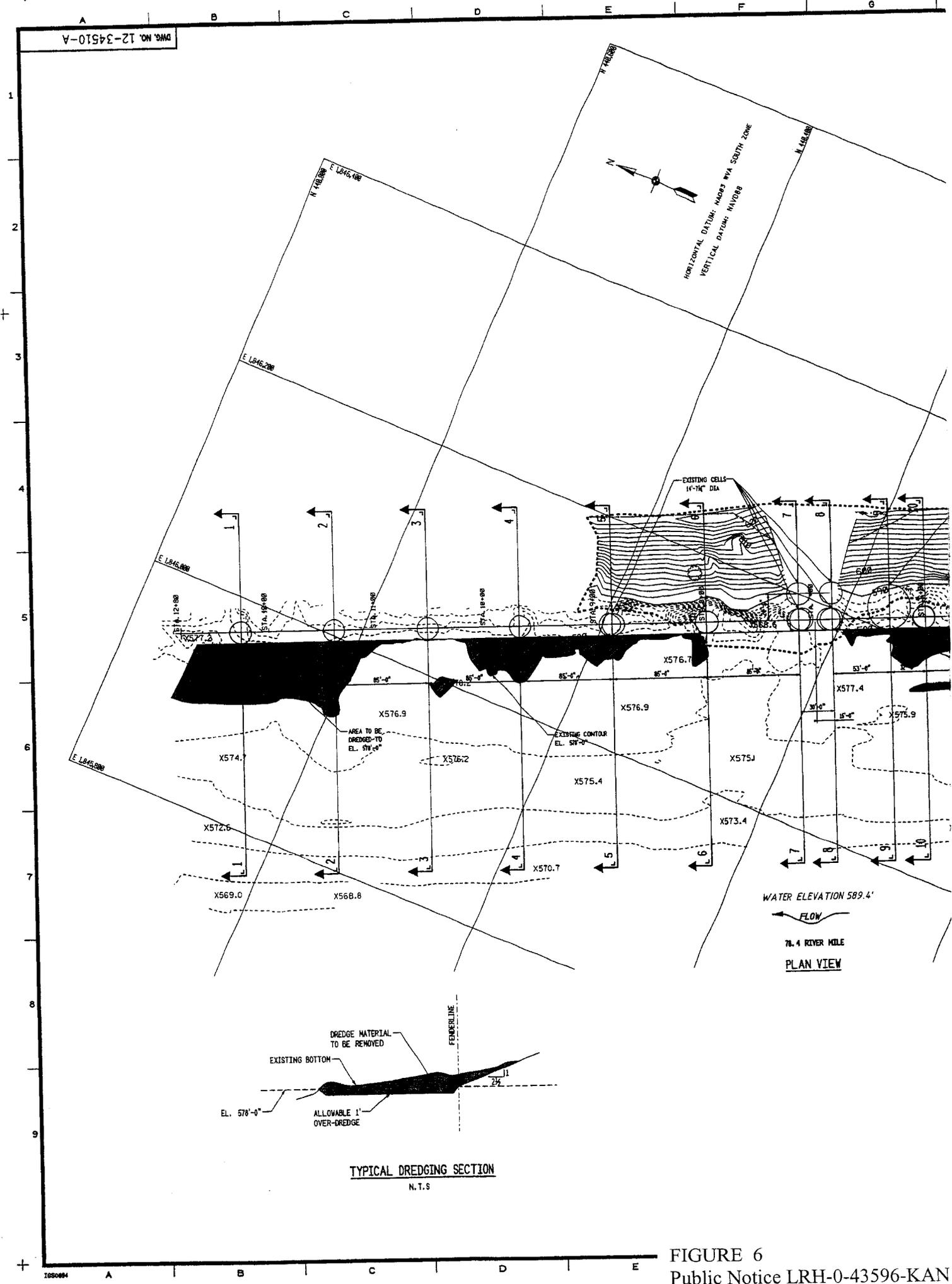


FIGURE 6
Public Notice LRH-0-43596-KAN