

Duke Power Company
Electric System Support
6339 Hagers Ferry Road
Huntersville, NC 28078-7929



DUKE POWER

January 25, 1996

Regulatory Branch -U.S. Army Corps of Engineers
P.O. Box 919
Charleston, South Carolina 29402

Subject: Catawba Nuclear Station - York County, South Carolina
Permit #76-2A-084
Standby Nuclear Service Water Pond Level Increase to Elev. 574
File: CN-702.11

Catawba Nuclear Station would like to raise the level of the Standby Nuclear Service Water Pond to provide additional cooling water due to operational concerns. The increase would raise the level of the pond by two feet from elevation 572' to 574'.

Raising the pond two feet will inundate approximately 3.67 acres of land, of which approximately 2.07 acres could be classified as wetlands. Please see the attached drawing which provides the location and size of the areas to be impounded.

The pond level is presently maintained at elevation 572'. The pond level will be increased to elevation 574' by obstructing two feet of the overflow pipe. Duke Power would replace an existing 1 foot steel plate located in the discharge headwall with a 3 foot steel or concrete plate. (See attached engineering sketches, 3 pages)

Additionally, please find attached a memo dated March 29, 1995 from your office for a similar request which was made in 1995. Duke Power request that this modification be handled in a similar manner and that the existing permit be modified to incorporate this change.

Should you have any questions, please give me a call at (704) 875-5965.

Sincerely,

John Estridge
John Estridge, P.E.

Environmental Division, Water Protection

jte/502

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PDR ADOCK 05000413
P PDR

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Attachments

- 1- March 29, 1995 Army Corps of Engineer memo
- 2- April 12, 1995 SCDHEC memo
- 3- CNS Site Map 8.5" x 11"
- 4- Site Location shown on USGS Quadrangle
- 5- Topographic Survey showing pond and areas to be flooded
- 6- Sketch of proposed modification to discharge structure (3 pages)

cc: Nuclear Regulatory Commission

S.C. Department of Health and Environmental Control - Sally Knowles
Office of Water Quality Certification

bc: M.A. Lascara - MGO3A5
J.T. Harris - CN01EM
A.P. Jackson - CN03CH
W.J. Davis - CN01CH
W.B. Shoemaker - CN03MC

REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT CORPS OF ENGINEERS
P O BOX 619
CHARLESTON, S C 29402-0919

March 29, 1995

ENVIRONMENTAL PROTECTION SECTION

APR 6 1995

☐ FILE _____

☐ TO _____ DATE _____

☐ _____

☐ _____

☐ _____

Regulatory Branch

Mr. John S. Carter
Duke Power Company
13339 Hagers Ferry Road
Huntersville, North Carolina 28078-7929

Dear Mr. Carter:

This is in response to your letter dated February 2, 1995, wherein you requested permission to raise the level of the Standby Nuclear Water Pond in Lake Wylie by attaching either one of the following items to the discharge structure: 1) a 1' high steel plate which is anchored to the discharge structure, 2) a 1' high concrete curb along the front of the discharge structure, or 3) a 1' high steel plate that is welded directly onto the overflow pipe itself. The result of this activity would be an increase in the Standby Nuclear Service Pond level to 572' (a 1' increase).

A review of our files indicates that a permit for the Catawba Nuclear Station was issued on February 22, 1977 (#76-2A-084). Therefore, this office is hereby granting a modification to that permit to reflect the changes on the attached drawings (Sheets 6A and 6B of dated February 2, 1995). These changes include attaching either one of the following items to the discharge structure: 1) a 1' high steel plate which is anchored to the discharge structure, 2) a 1' high concrete curb along the front of the discharge structure, or 3) a 1' high steel plate that is welded directly onto the overflow pipe itself.

Please attach this letter with the modified drawings to the original permit. All of the conditions to which the work is made subject remain in full force and effect. In that this work appears subject to the jurisdiction of the South Carolina Department of Health and Environmental Control, it is highly recommended that you contact that agency to ascertain their requirements in this matter.

Respectfully,

George H. Hazel
LTC, Corps of Engineers
District Engineer

Enclosure

CLARENCE A. HAM
CHIEF, REGULATORY BRANCH

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201

Commission:
Board: John
Sen
Promoting:

Post-It™ brand fax transmittal memo 7671 # of pages 2

To: <u>Tim Harris</u>	From: <u>John Estridge</u>
Co:	Co:
Dept:	Phone #
Fax #	Fax #

ENVIRONMENTAL PROTECTION SECTION

April 12, 1995

APR 18 1995

Duke Power Company
Electric System Support
Attn: J. S. Carter, Technical System Manager
Environmental Division, Water Protection
13339 Hagers Ferry Road
Huntersville, NC 28078-7929

☒ FILE CN-702.13
☐ TICKLER DATE _____

☒ COPY DJR
CTPeed - CNQLEI

☐ ROUTE _____

Re: Catawba Nuclear Station
York County
Proposed Modification

Dear Mr. Carter:

We have reviewed the proposed modification to the Standby Nuclear Service Water Pond which would raise the water level in the pond by one foot. This modification was submitted in an application to the Corps of Engineers (COE) on February 6, 1995. You stated in your March 2, 1995 letter that this modification bears directly on continued operation of the Catawba Nuclear Station and is required by the Nuclear Regulatory Commission.

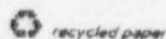
Bob Riggs indicated that the COE determined that an existing permit was modified to allow the proposed project modification because it was not considered to be a significant deviation, per conversation with Mark Giffin April 12, 1995. The existing COE permit incorporates the State 401 water quality certification, if required. Our records indicate that we issued a 401 water quality certification with no conditions for this project on May 12, 1976. Because of the length of time that has passed since issued, we no longer have a copy of the certification letter, however the 401 water quality certification for this project remains valid. The proposed modification will not contravene water quality standards nor change classified uses of Lake Wylie and is consistent with the existing 401 water quality certification.

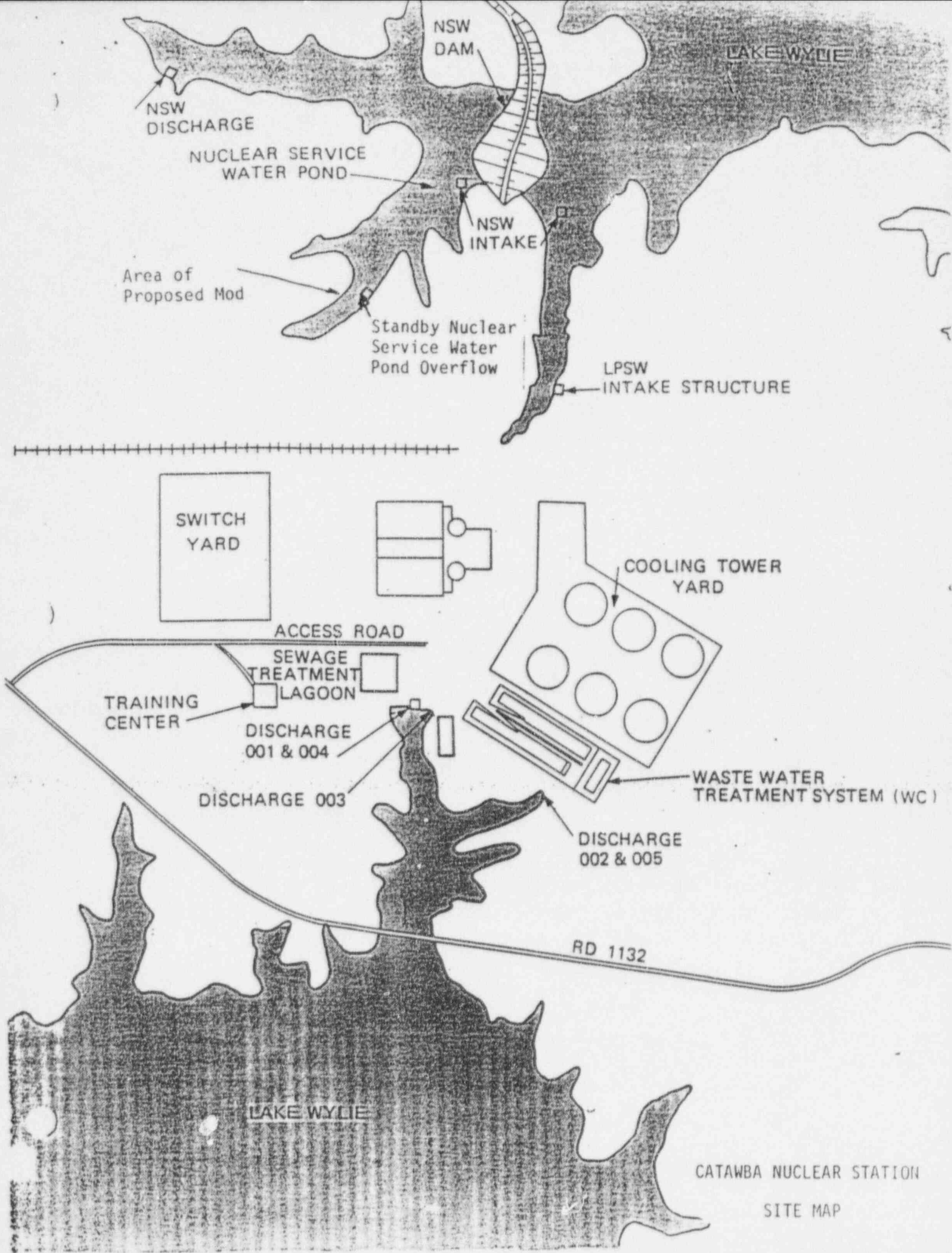
Please contact Mark Giffin at (803) 734-5302 if you have any questions.

Sincerely,

Sally C. Knowles
Sally C. Knowles, Director
Division of Water Quality

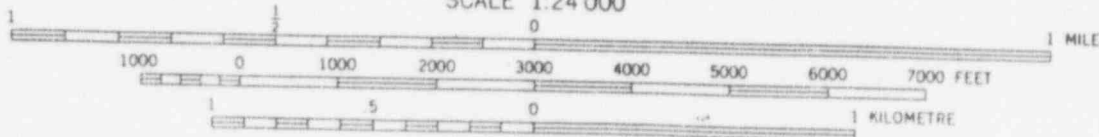
SCK:MAG







SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

LAKE WYLIE, S.C.-N.C.

SE/4 CLOVER 15' QUADRANGLE

N3500-WB100/7.5

CATAWBA NUCLEAR STATIO

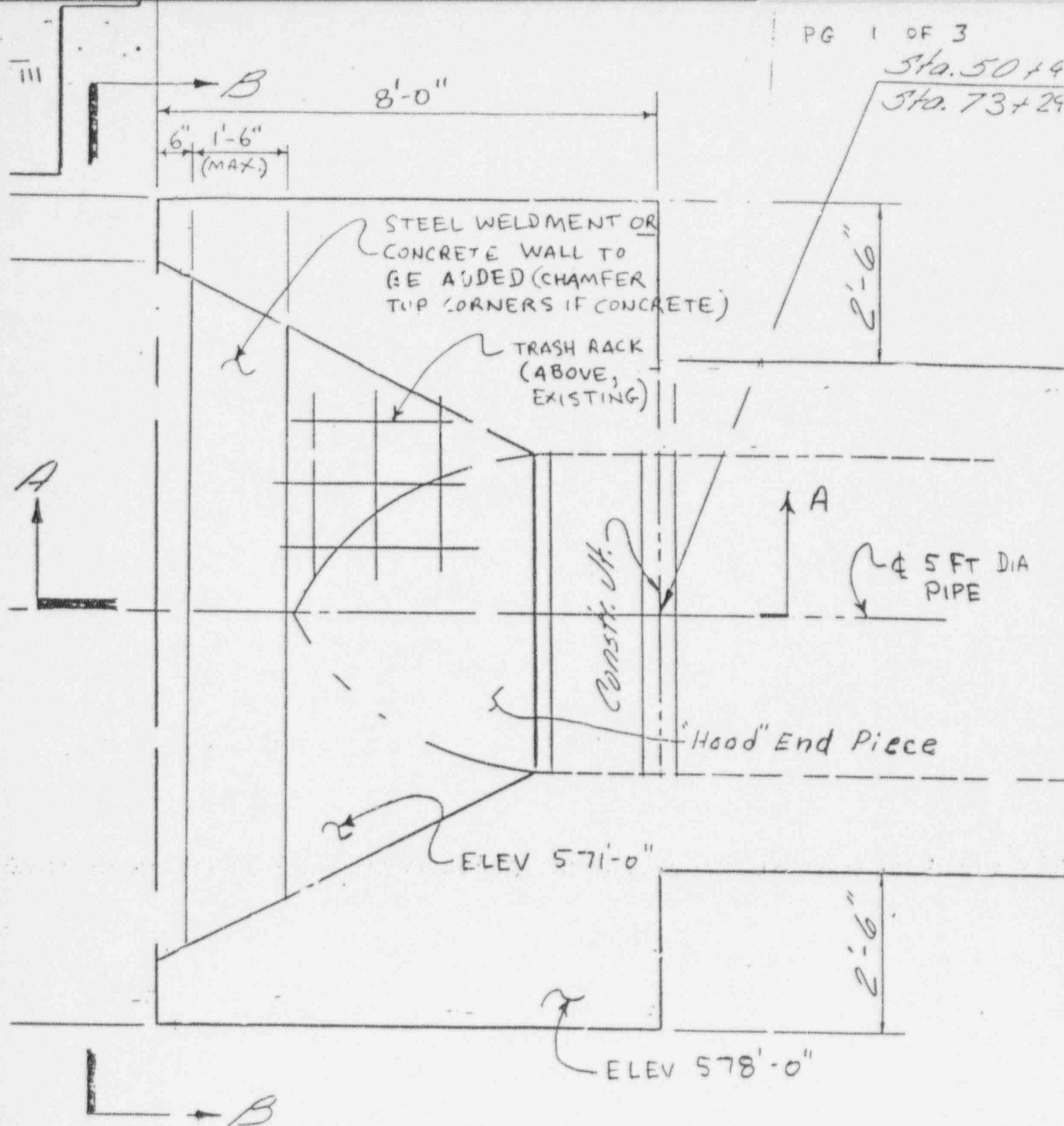
DUKE POWER COMPANY

1973

UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

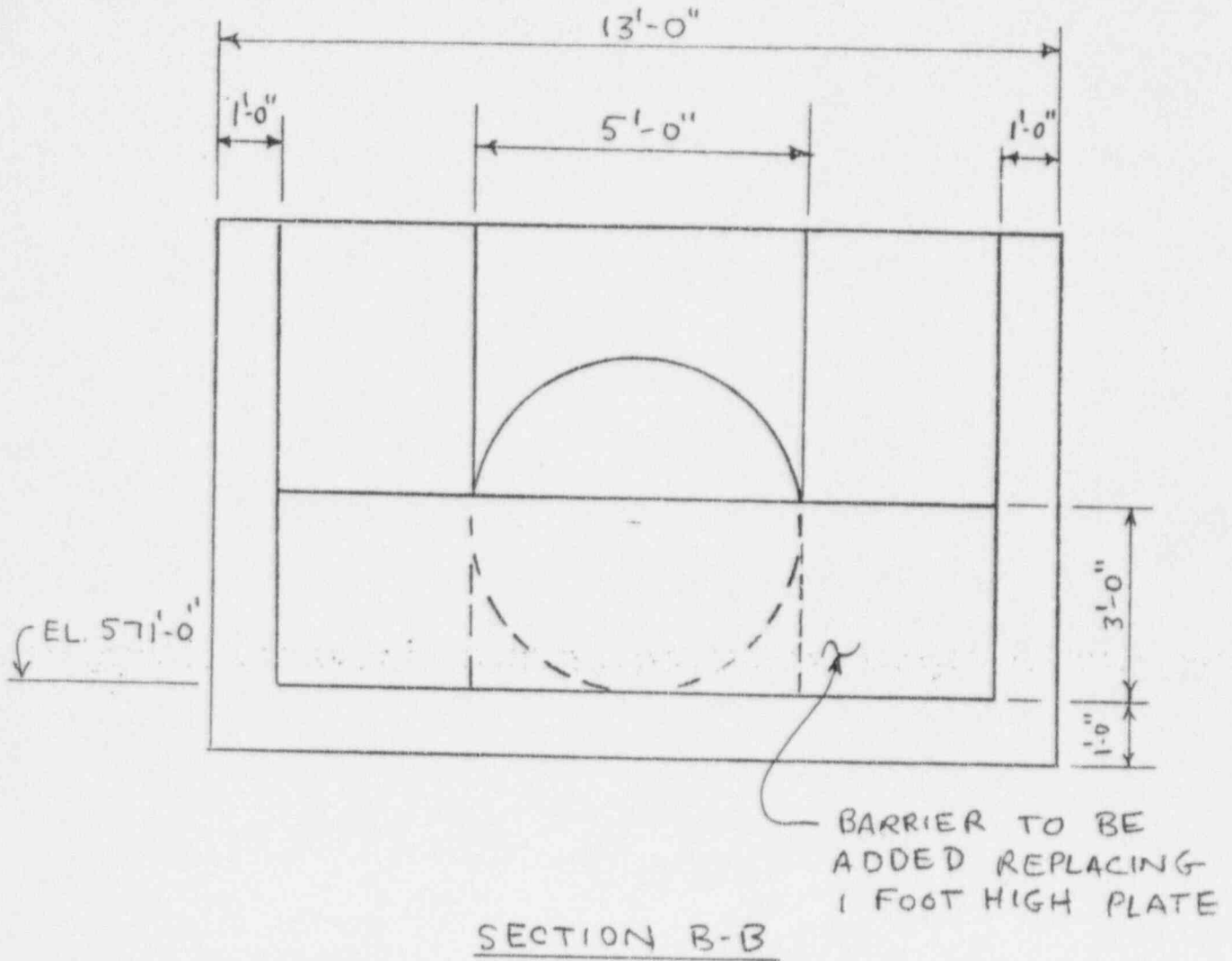
Sta. 50+4

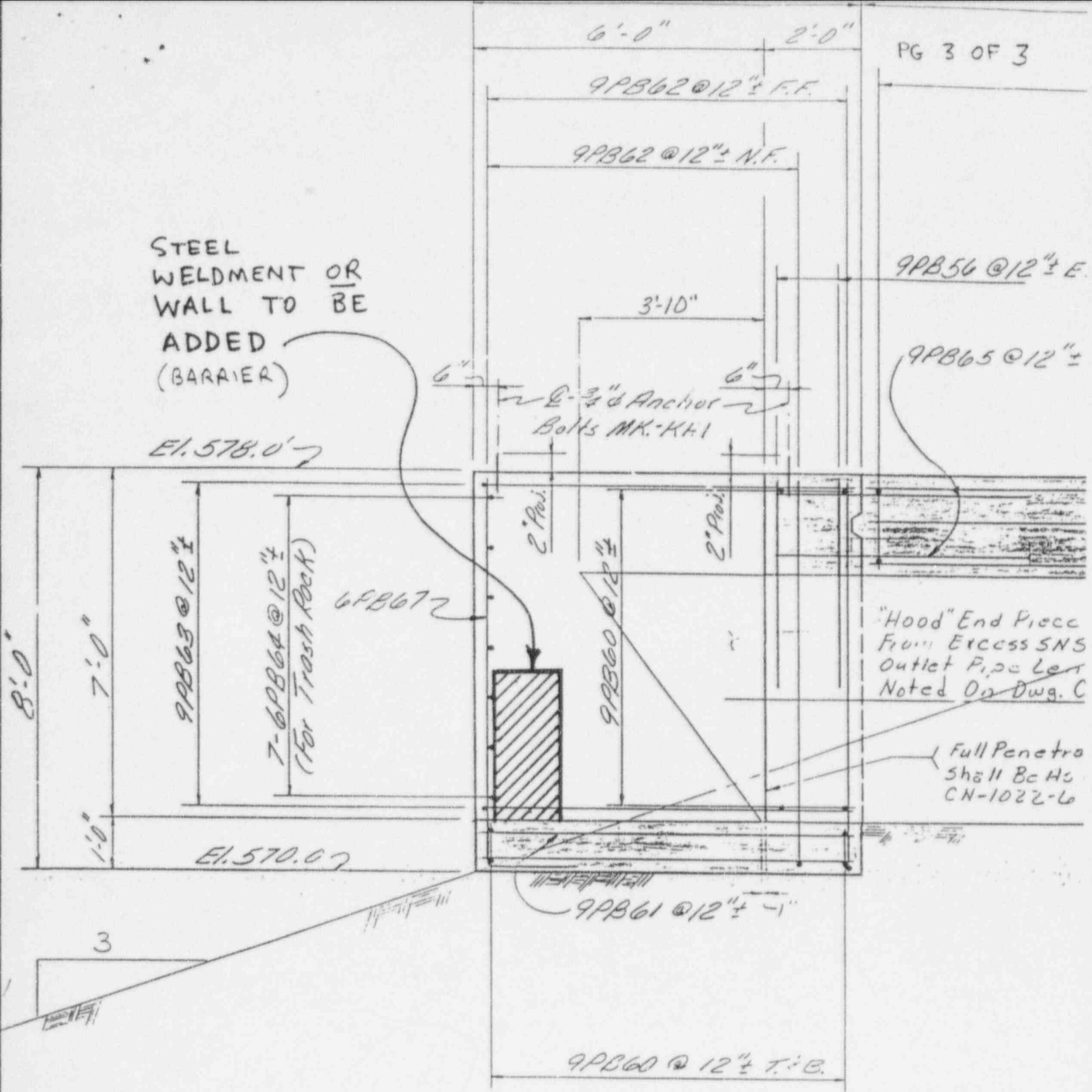
Sta. 73+29



PLAN

SNSW POND DISCHARGE HEADWALL PROPOSED MODIF.
 REPLACE EXISTING ONE FOOT HIGH PLATE WITH
 3 FOOT HIGH CONCRETE OR STEEL BARRIER





SECTION A-A

SEC
Scale

EM NO. 1124.00-00-0010
DWS. REMARKS