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December 3, 2008

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC
William States Lee III Nuclear Station - Docket Nos. 52-018 and 52-019
AP1000 Combined License Application for the
William States Lee III Nuclear Station Units 1 and 2
Response to Request for Additional Information
Ltr# WLG2008.12-04

Reference: Letter from J.M. Muir (NRC) to B.J. Dolan (Duke Energy), *Request for Additional Information Regarding the Environmental Review of the Combined License Application for William States Lee Nuclear Station Units 1 and 2*, dated August 21, 2008

This letter provides the Duke Energy response to the Nuclear Regulatory Commission's (NRC) requests for the following additional information (RAI) items listed in the reference letter:

RAI 55, Aquatic Ecology
RAI 56, Aquatic Ecology

Responses to these NRC requests are addressed in the enclosure which also identifies any associated changes that will be made in a future revision of the William States Lee III Nuclear Station application.

If you have any questions or need any additional information, please contact Peter S. Hastings at 980-373-7820.

Bryan J. Dolan
Vice President
Nuclear Plant Development

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December 3, 2008
Page 2 of 4

Enclosure:

1. Responses to RAI 55, Aquatic Ecology and RAI 56, Aquatic Ecology


AFFIDAVIT OF BRYAN J. DOLAN

Bryan J. Dolan, being duly sworn, states that he is Vice President, Nuclear Plant Development, Duke Energy Carolinas, LLC, that he is authorized on the part of said Company to sign and file with the U. S. Nuclear Regulatory Commission this supplement to the combined license application for the William States Lee III Nuclear Station and that all the matter and facts set forth herein are true and correct to the best of his knowledge.



Bryan J. Dolan

Subscribed and sworn to me on December 3, 2008



Notary Public

My commission expires: June 26, 2011

SEAL



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December 3, 2008
Page 4 of 4

xc (wo/enclosure):

Luis Reyes, Regional Administrator, Region II
Loren Plisco, Deputy Regional Administrator, Region II
Thomas Bergman, Deputy Division Director, DNRL
Stephanie Coffin, Branch Chief, DNRL
Gregory Hatchett, Branch Chief, DSER

xc (w/enclosure):

Linda Tello, Project Manager, DSER
Brian Hughes, Senior Project Manager, DNRL

Lee Nuclear Station Response to Request for Additional Information (RAI)

RAI Letter Dated: August 21, 2008

Reference NRC RAI Numbers: ER RAIs 55 and 56

NRC RAI:

ER RAI 55: Provide the finalized Make - Up Ponds A and B intake structure designs and updated descriptions when they are available. Include information on any fish - friendly parts of the design, or indicate why they are not included in the final design.

ER RAI 56: Provide the finalized cooling water intake and discharge structure design and an updated description when it is available. Include information on traveling screens and parts of the design that make it "best available technology" for protecting aquatic organisms.

Duke Energy Response:

Preliminary drawings of the intakes and discharge structures are attached to this response. Drawings WLG-7500-CCH-001 and WLG-7500-CCH-002 provide existing conditions, plan arrangement, plan view, and sections for the river water intake. The intake will be equipped with traveling screens, with 3/8 inch or smaller mesh, installed in the vertical position and designed for continuous operation. The screens are of the modified "Ristroph" design with Fletcher type fish-friendly buckets on each screen basket. The screens have dual pressure spray header systems with separate fish and debris troughs. The troughs are supplied with supplemental flow sufficient to move the fish and debris through the separate return troughs. The fish return trough will exit the intake on the downriver side and return the fish to the section of the Broad River. The river water traveling screens are designed to provide a through velocity that is less than 0.5 foot per second. After passing through the intake the water is conveyed by a pipe to the northwest corner of Make-Up Pond A where it is discharged into Make-Up Pond A through a surface outfall.

Drawings WLG-7510-CCH-001 through WLG-7510-CCH-003 describe the Make-Up Pond A intake structure. The structure is currently designed with removable panel screens with a 3/8 inch or smaller mesh and a through-velocity that is less than 0.5 foot per second. Duke is currently evaluating the civil, mechanical and electrical requirements for the use of traveling screens similar to the traveling screens described for the river water intake.

Drawings WLG-7520-CCH-001 through WLG-7520-CCH-004 describe the Make-Up Pond B intake structure. The structure is currently designed with a submerged inlet (see WLG-7520-CCH-002 and WLG-7520-CCH-004) approximately 50 feet below the surface and removable panel screens at the intake structure (see WLG-7520-CCH-003) with a 3/8 inch or smaller mesh and a through-velocity that is less than 0.5 foot per second. Duke is currently evaluating the civil, mechanical and electrical requirements for the use of traveling screens similar to the traveling screens described for the river water intake.

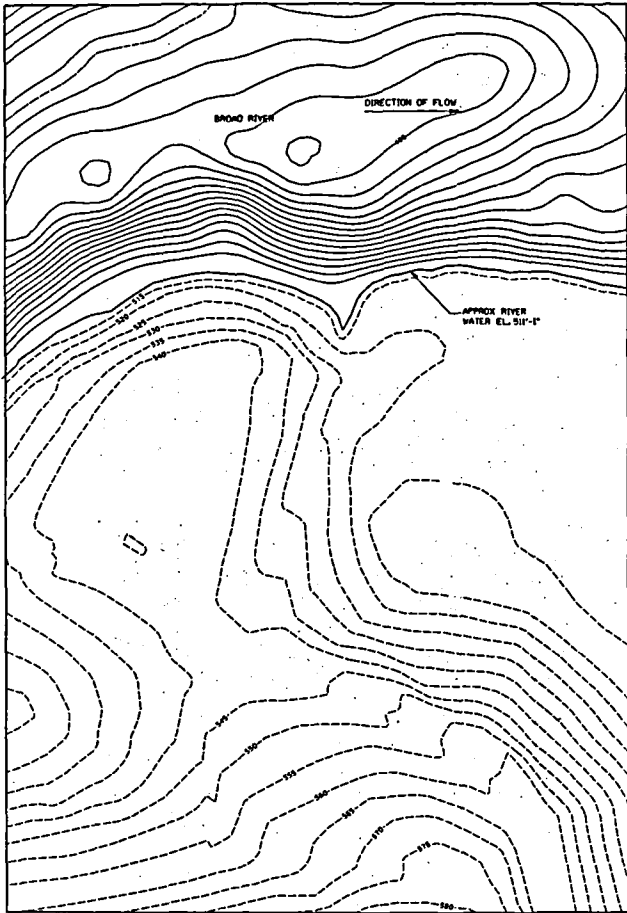
Drawings WLG-3900-P6H-001 through WLG-3900-P6H-003 describe the wastewater discharge structure and its mountings on the Ninety-Nine Islands Dam. The discharge water will be transmitted through a 36-inch diameter high density polyethylene (HDPE) pipe anchored to the Ninety-Nine Islands Dam approximately five feet below the full pond elevation to the diffuser. The design of the diffuser is not defined at this time (e.g., the diffuser drawing detail in WLG-3900-P6H-002 does not depict the final arrangement of holes in the diffuser). The final design is expected to be similar to that shown in ER Figure 5.3-4.

Associated Revisions to the Lee Nuclear Station Combined License Application:

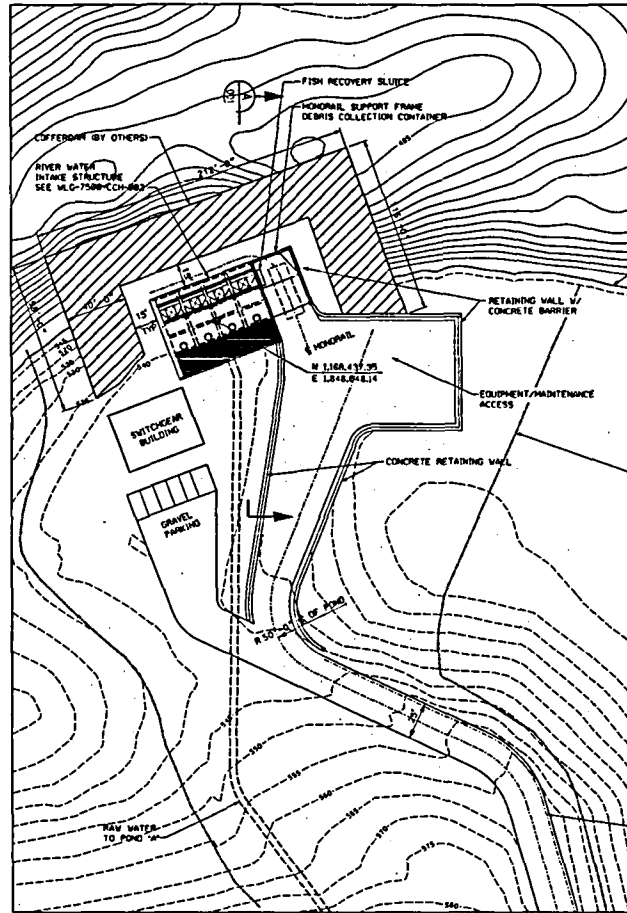
None

Associated Attachments:

- Attachment 55/56-1 WLG-7500-CCH-001, River Water Intake Structure Location Plan
- Attachment 55/56-2 WLG-7500-CCH-002, River Water Intake Structure Outline Plans and Sections
- Attachment 55/56-3 WLG-7510-CCH-001, Pond A Intake Structure Location Plan
- Attachment 55/56-4 WLG-7510-CCH-002, Pond A Basin Intake Structure Section A
- Attachment 55/56-5 WLG-7510-CCH-003, Pond A Intake Structure Outline Plans and Section
- Attachment 55/56-6 WLG-7520-CCH-001, Pond B Intake Structure Location Plan
- Attachment 55/56-7 WLG-7520-CCH-002, Pond B Intake Structure Section
- Attachment 55/56-8 WLG-7520-CCH-003, Pond B Intake Structure Outline Plans and Sections
- Attachment 55/56-9 WLG-7520-CCH-004, Pond B Intake Drop Inlet Plans and Sections
- Attachment 55/56-10 WLG-3900-P6H-001, WWS Discharge General Area Plan
- Attachment 55/56-11 WLG-3900-P6H-002, Discharge Pipe Support Details
- Attachment 55/56-12 WLG-3900-P6H-003, General Notes Raw Water System and Waste Water System

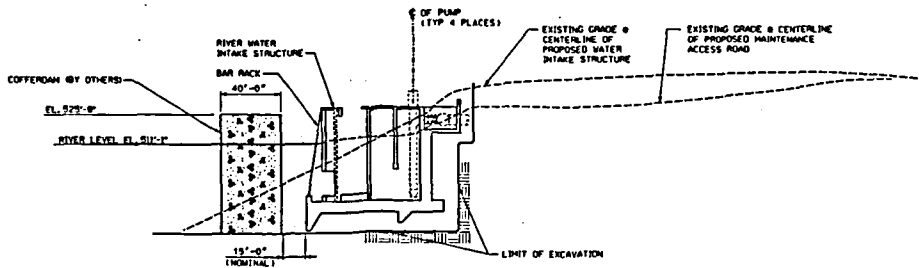


EXISTING CONDITION



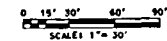
PROPOSED PLAN ARRANGEMENT

- LEGEND:**
- LIMITS OF DISTURBANCE
 - BATHYMETRY LINES, 2 FT INTERVALS
 - TOPOGRAPHY LINES, 5 FT INTERVALS
 - VEHICLE BARRIER



SECTION A-A
LOCATION OF COFFER DAM AND EXCAVATION/DREDGING

- NOTES:**
1. FOR GENERAL NOTES SEE DRAWING VLG-7500-PMH-003.
 2. COFFERDAM WILL BE INSTALLED USING BARGE MOUNTED EQUIPMENT AND REMOVED AFTER COMPLETION OF CONSTRUCTION. LOCAL DREDGING WILL BE PROVIDED TO RECONDITION WEST BANK OF BROAD RIVER.
 3. FOR DETAILS OF ELEVATIONS BELOW WATER LEVEL REFER TO BATHYMETRIC STUDIES PERFORMED BY DEVINE TARBELL AND ASSOCIATES, COLLECTED IN 2007 AND 2008.
 4. COFFERDAM WILL BE REMOVED AFTER INTAKE STRUCTURE AND ASSOCIATED EXCAVATION AND BACK-FILL ARE COMPLETED. DREDGING EQUIPMENT WILL BE FURTHER USED TO REMOVE REMAINING (GROSS) BALLAST INFILL.



REVISION DESCRIPTION RETURN TO SUBMITTER'S CLIENT COMMENTS		DATE BY	DATE BY
NO. 1 DATE BY	NO. 2 DATE BY	NO. 3 DATE BY	NO. 4 DATE BY
DESIGNER: <i>JZ</i> CHECKER: <i>JZ</i> DATE:		DESIGNED BY: <i>JZ</i> CHECKED BY: <i>JZ</i> DATE:	
SCALE: 1" = 30' PROJECT NO.:		SHEET NO.:	

PRELIMINARY

SEC SAFETY CLASSIFICATION

Duke Energy DURE ENERGY CAROLINAS, LLC
WILLIAM STATES LEE III
NUCLEAR STATION

RIVER WATER INTAKE STRUCTURE LOCATION PLAN

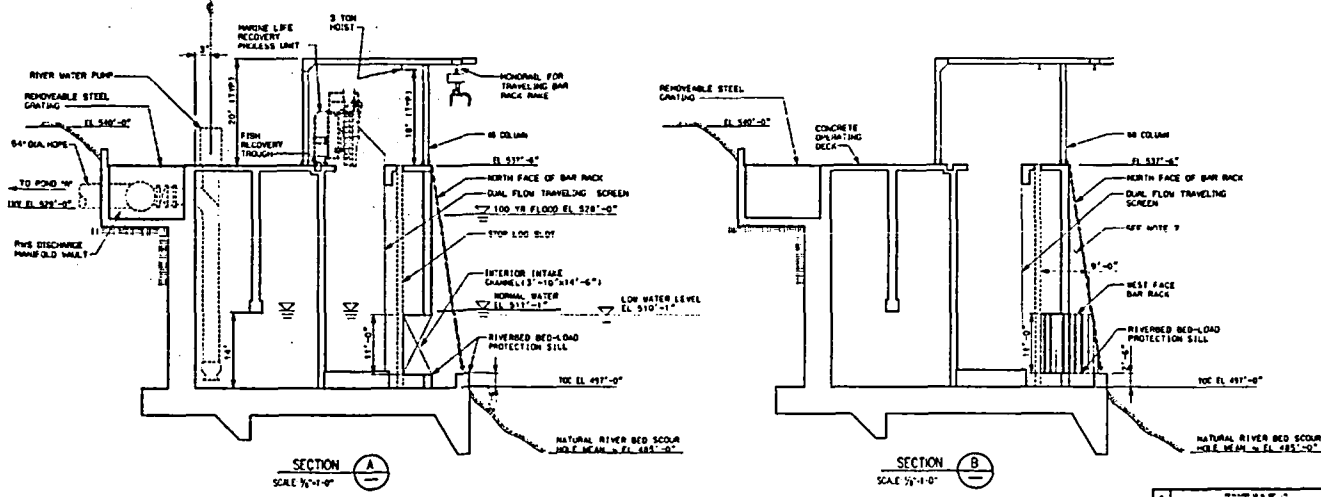
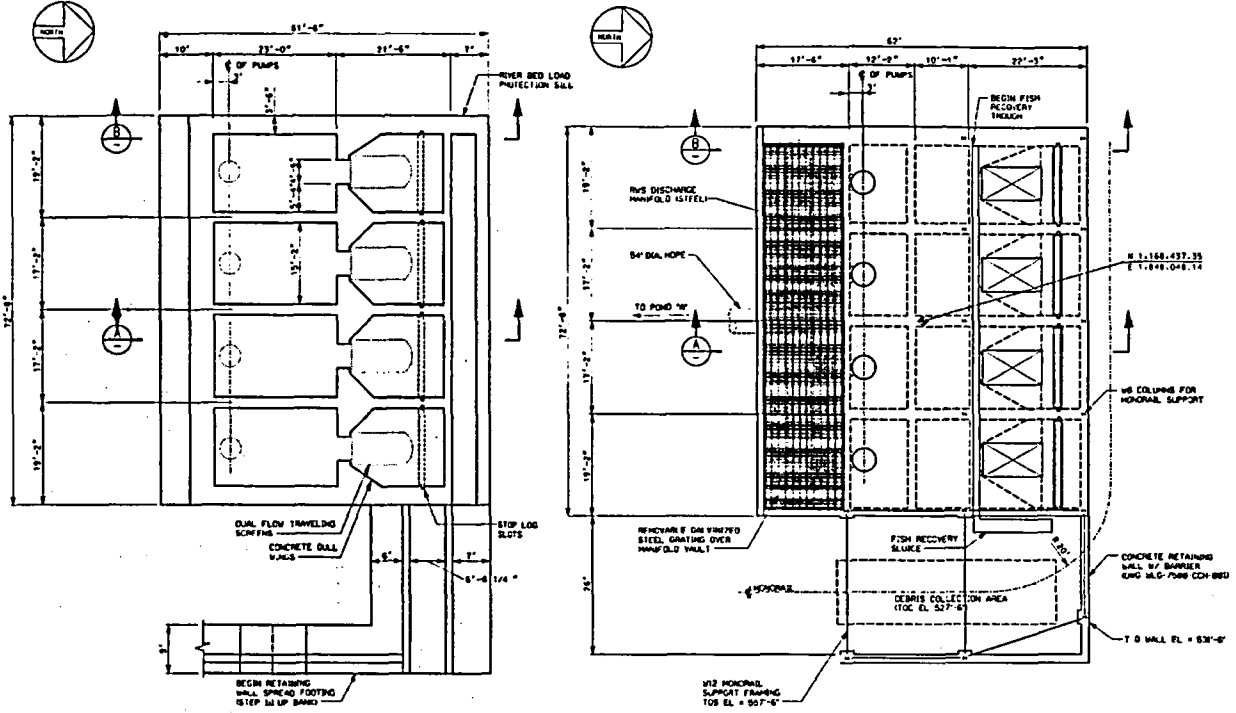
DESIGNED BY: *JZ*
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DATE: *11/20/08*

SCALE: 1" = 30'

VLG-7500-CCH-001

THIS DRAWING CREATED ELECTRONICALLY

NOTES:
1. FOR GENERAL NOTES SEE DRAWING WLG-7500-CCH-003.



NO.	DATE	BY	CHKD.	APP.	DESCRIPTION
1	10/1/03	JL	ML	ML	DESIGN
2	10/1/03	JL	ML	ML	REVISED
3	10/1/03	JL	ML	ML	REVISED
4	10/1/03	JL	ML	ML	REVISED
5	10/1/03	JL	ML	ML	REVISED

PRELIMINARY

WEC SAFETY CLASSIFICATION: E

Duke Energy

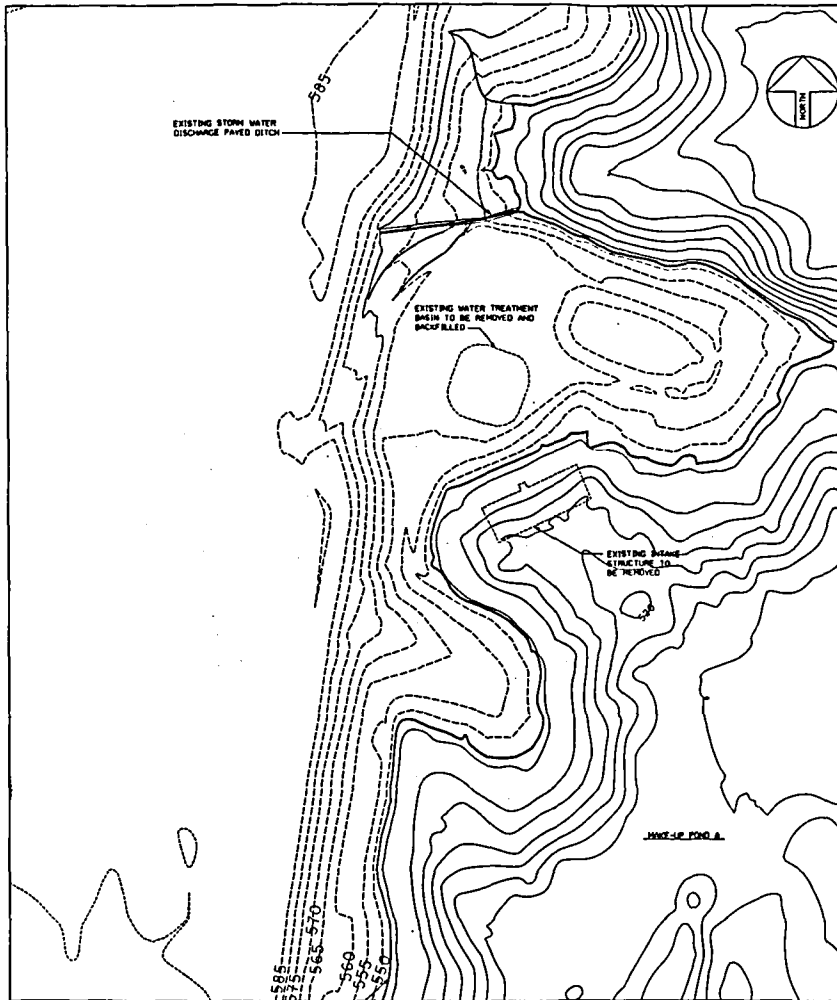
DUKE ENERGY CAROLINAS, L.L.C.
WILLIAM STATES LEE III
WELLS STATION

RIVER WATER INTAKE STRUCTURE
OUTLINE PLANS AND SECTIONS

Shawmut-Norcor

WLG-7500-CCH-002

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EXISTING STORM WATER DISCHARGE PAVED DITCH

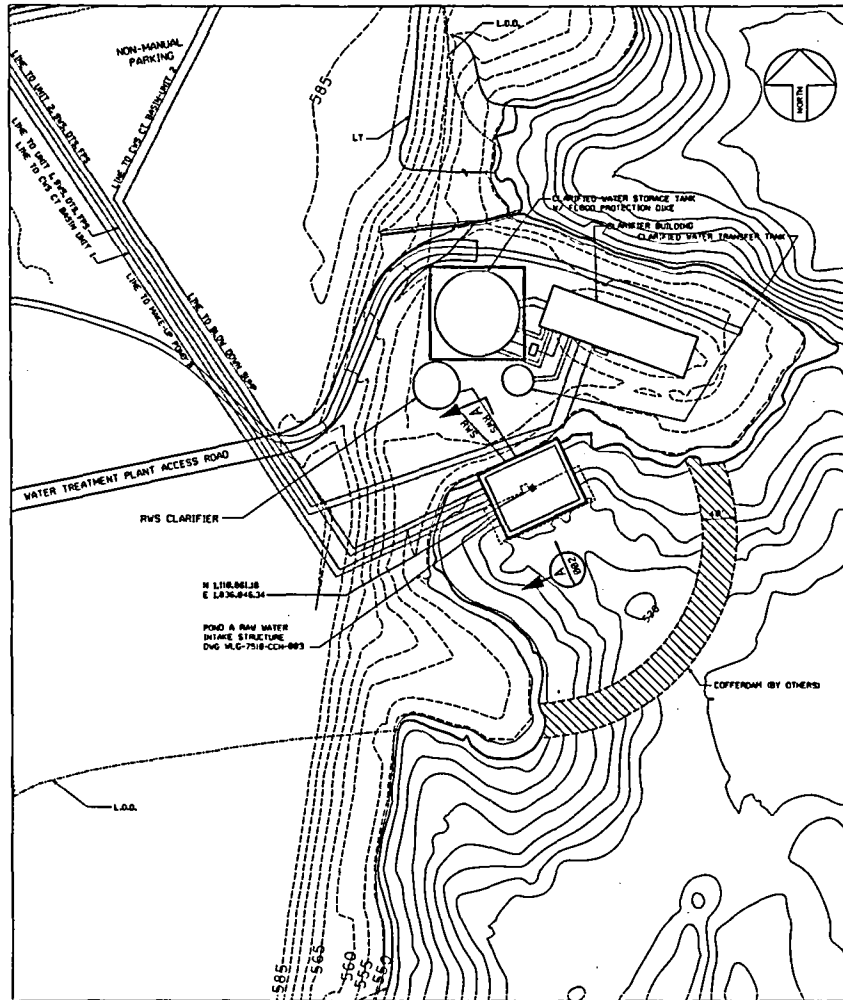
EXISTING WATER TREATMENT BASIN TO BE REMOVED AND BACKFILLED

EXISTING INTAKE STRUCTURE TO BE REMOVED

EXISTING POND A

FULL POND WATER EL. 547'-0"

EXISTING CONDITION
SCALE: 1"=50'-0"



WATER TREATMENT PLANT ACCESS ROAD

RWS CLARIFIER

N 1/4" DIA. 6" L.S. 2" DIA. 6" L.S.

POND A RAW WATER INTAKE STRUCTURE DWG. WLG-7518-CCH-003

COFFERDAM BY OTHERS

NORMAL WATER LEVEL EL. 547'-0"

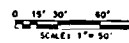
LOCATION PLAN - POND A RAW WATER INTAKE STRUCTURE
SCALE: 1"=50'-0"

LEGEND:

- LIMITS OF DISTURBANCE
- BATHYMETRY LINES, 10 FT INTERVALS
- TOPOGRAPHY LINES, 5 FT INTERVALS

NOTES:

1. FOR GENERAL NOTES SEE DRAWING WLG-7408-PDA-002.
2. GENERAL AREA DREDGING WILL BE PERFORMED AS A PART OF THIS SCOPE OF WORK. EXCESSING SPILLS WILL BE STOCKPILED AND USED AS NON-ENGINEERED FILL ON SITE.
3. COFFERDAM WILL BE REMOVED AFTER INTAKE STRUCTURE AND ASSOCIATED EXCAVATION AND BACK-FILL ARE COMPLETED. DREDGING EQUIPMENT WILL BE FURTHER USED TO REMOVE REMAINING GRASS/BALLAST IN-FILL.
4. FOR DETAILS OF ELEVATIONS BELOW WATER LEVEL, REFER TO BATHYMETRIC STUDIES PERFORMED BY DEANE YARBELL AND ASSOCIATES, COLLECTED IN 2007 AND 2008.



NO.	REVISION DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR PERMIT USE ONLY	11/14/08	...	...

PRELIMINARY

MEC SAFETY CLASSIFICATION: E

DUKE ENERGY CAROLINAS, L.L.S.
WILLIAM STATES LEE III
NUCLEON STATION

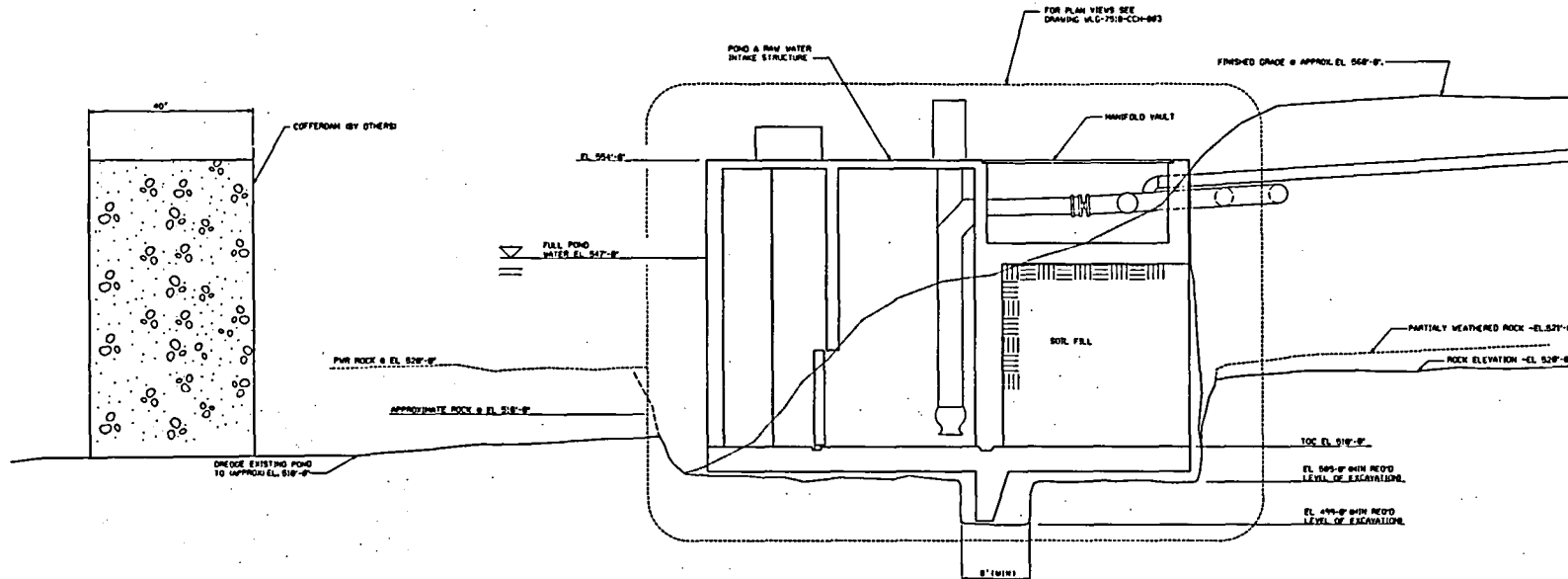
POND A INTAKE STRUCTURES LOCATION PLAN

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CHECKED BY: ...
DATE: 11/14/08

Shaw Nuclear

WLG-7518-CCH-001

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SECTION **A**
WLG-7510-CCH-001

NOTES:

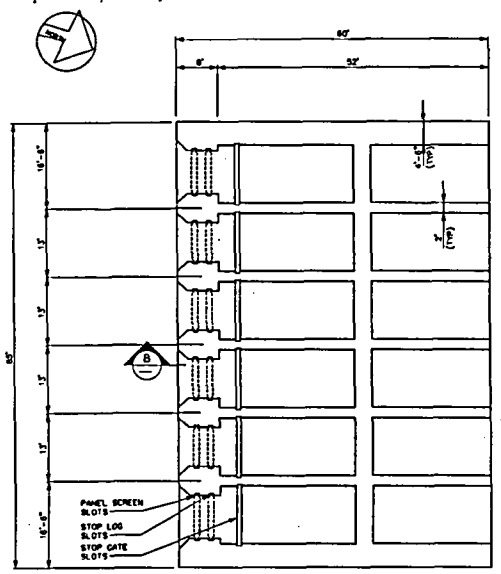
1. FOR GENERAL NOTES SEE DRAWING WLG-7508-PH-001.
2. SECTION DRAWING IS SCHEMATIC FOR PERMIT ONLY. REFER TO DETAIL PLANS AND PROFILES FOR MAKEUP WATER PIPE ROUTING.
3. ELEVATIONS AND DIMENSIONS ARE NOMINAL AND SUBJECT TO FINAL AS-MEASURED VALUES.
4. EXCAVATION/DREDGING WILL REQUIRE COFFERDAMS, EXCAVATION AND BLASTING IN PARTIALLY WEATHERED AND COMPETENT SOUND ROCK.

0 10' 20' 40' 60'
SCALE: 1" = 20'

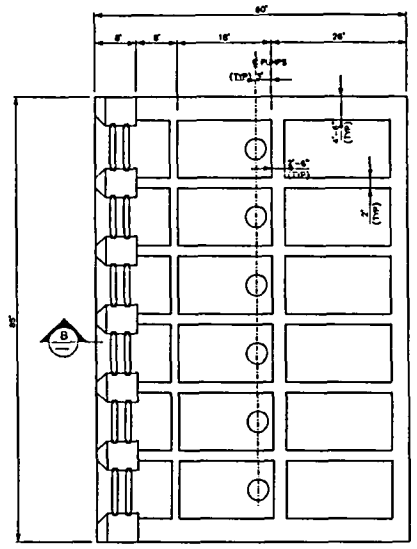
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WFC SAFETY CLASSIFICATION: E	
DEFINITION: THIS DRAWING IS THE PROPERTY OF SHAW-WALKER AND SHALL BE KEPT IN CONFIDENTIALITY AND NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF SHAW-WALKER.	
	DUKE ENERGY CAROLINAS, L.L.S. WILLIAM STATES LEE III NUCLEAR STATION
POND A BASIN INTAKE STRUCTURE SECTION A	
DESIGNED BY: SPV	CHECKED BY: HCC
DATE: 11/18/08	SCALE: 1" = 20'
WLG-7510-CCH-002	

NO.	DATE	DESCRIPTION	BY	CHKD.
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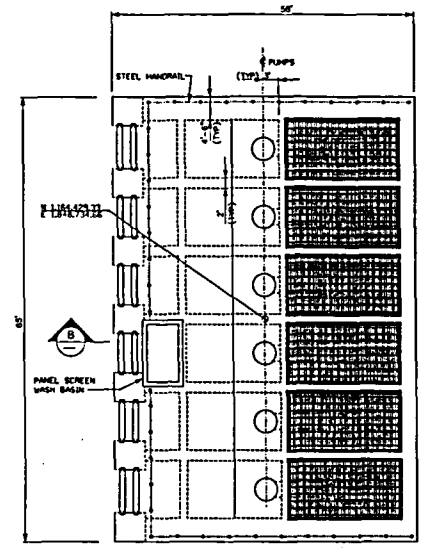
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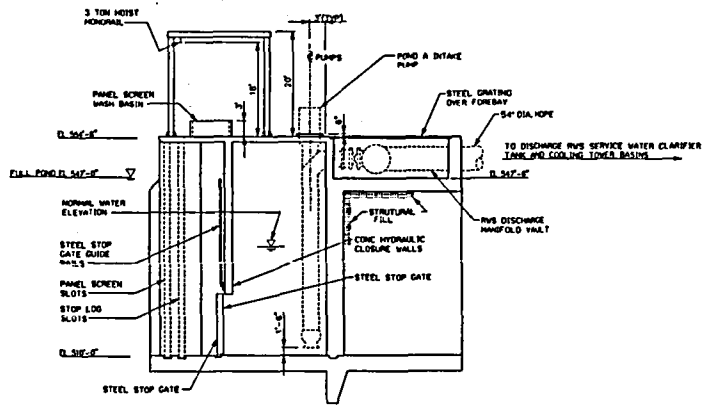
MAT PLAN @ EL 510'-0"



PLAN SECTION @ EL 547'-6"



DECK PLAN @ EL 554'-6"



B SECTION

- NOTES:**
- FOR GENERAL NOTES SEE WLG-3986-P04-B02.
 - PANEL SCREENS SUPPLIED SHALL MAINTAIN 8.5 FPS FLOW THROUGH SCREENS.

PRELIMINARY

WEC SAFETY CLASSIFICATION: E

DUKE ENERGY CAROLINAS, LLS
WILLIAM STATES LEE III
NUCLEAR STATION

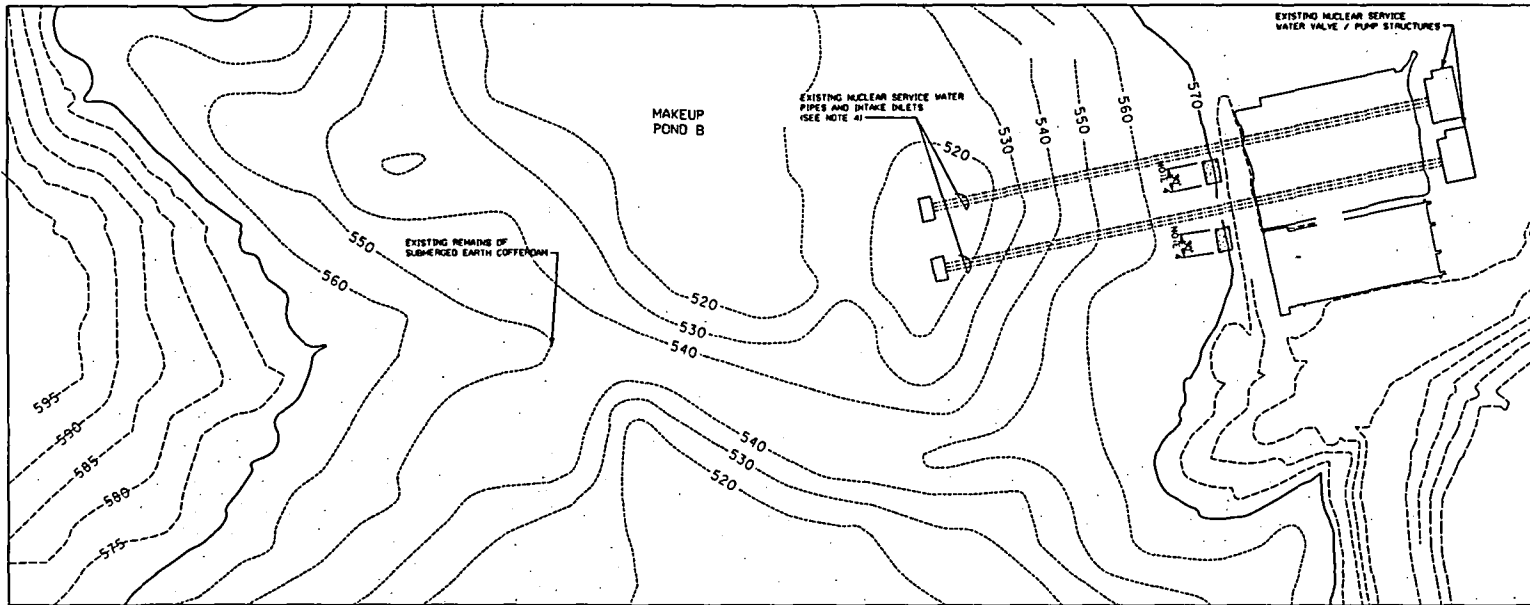
POND A INTAKE STRUCTURE
OUTLINE PLANS AND SECTION

Shawmut Nuclear

WLG-7518-CCH-003

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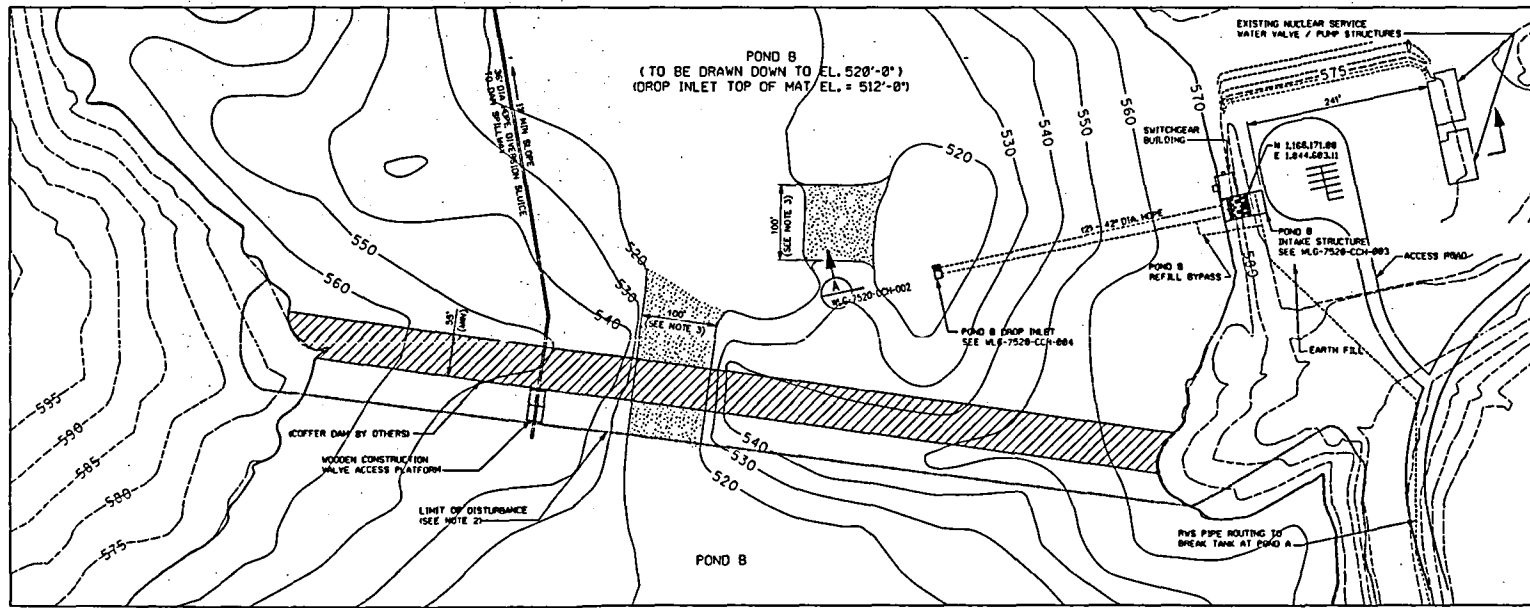


EXISTING CONDITION
SCALE: 1"=60'-0"



NOTES:

1. FOR GENERAL NOTES SEE WLG-3000-P01-001.
2. THE LIMIT OF DISTURBANCE INCLUDES THE AREA OF POND B THAT WILL BE DRAWN DOWN AS WELL AS THOSE AREAS IMPACTED BY THE INSTALLATION AND SUBSEQUENT REMOVAL OF THE COFFERDAM.
3. LOCALIZED DREDGING WILL BE PERFORMED AT APPROXIMATELY 100 FEET WIDTH TO HELP MAINTAIN COMMUNICATION OF LOW LEVEL WATER (I.E. 520'-0") TO THE NORTH SIDE OF EXISTING COFFERDAM.
4. EXISTING STEEL SERVICE WATER PIPES (3) AND CONCRETE INTAKE DALET (3) WILL BE REMOVED.
5. ALTHOUGH THIS LOCALIZED AREA OF STANDING WATER IS NOT CONSIDERED TO BE A WETLAND OF THE STATE, SHAW WILL PROVIDE ALL MEANS NECESSARY TO LIMIT DISTURBANCE DURING CONSTRUCTION AND INSTALLATION OF PIPING IN THIS AREA. EARTHEN COFFERDAMS WILL BE USED IN CONJUNCTION WITH DREDGING.
6. FOR DETAIL ELEVATIONS BELOW WATER LEVEL REFER TO BATHYMETRY STUDY PREPARED BY DEVINE TARBELL AND ASSOCIATES, DATA COLLECTED IN 2007 AND 2008.
7. COFFERDAM WILL BE REMOVED AFTER INTAKE STRUCTURE AND ASSOCIATED EXCAVATION AND BACK-FILL ARE COMPLETED. DREDGING EQUIPMENT WILL BE FURTHER USED TO REMOVE REMAINING GROSS BALLAST INFILL.

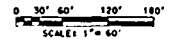


LOCATION PLAN
POND B INTAKE STRUCTURE



LEGEND:

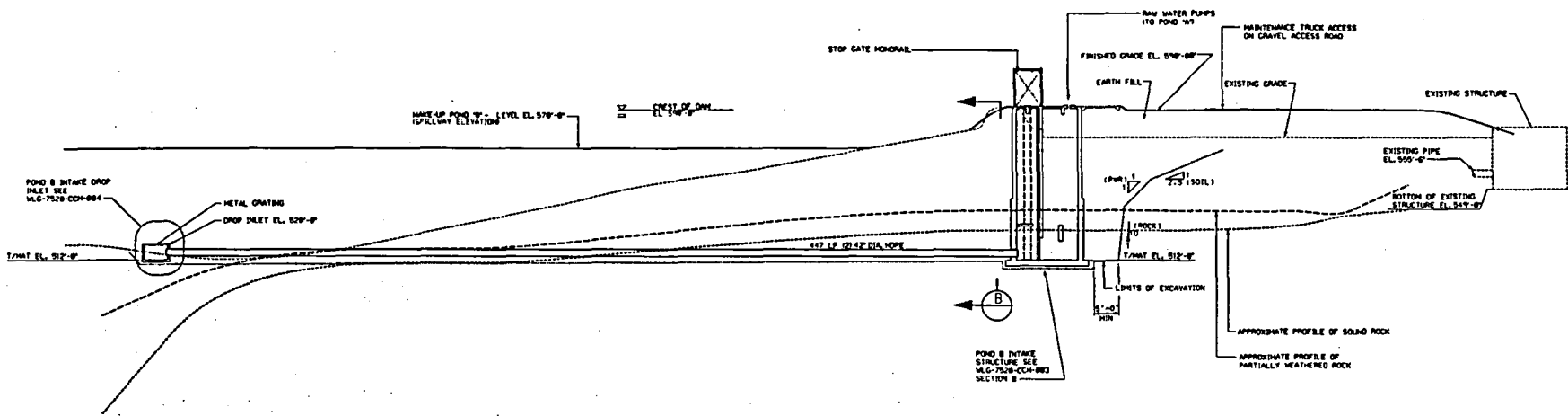
- LIMITS OF DISTURBANCE
- BATHYMETRY LINES, 10 FT INTERVALS
- - - TOPOGRAPHY LINES, 5 FT INTERVALS



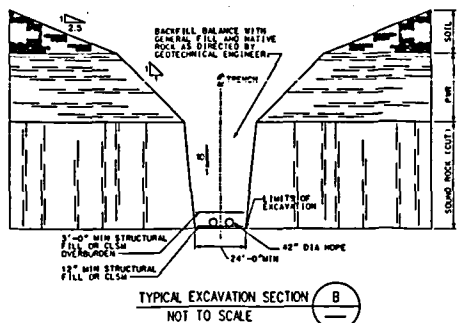
PE STAMP MEC SAFETY CLASSIFICATION	PRELIMINARY	
	DUK Energy DUKE ENERGY CAROLINAS, LLC WILLIAM STATES LEE 111 NUCLEAR STATION	
POND B INTAKE STRUCTURE LOCATION PLAN		
DESIGNED BY: A.E. CHECKED BY: J.C. DATE: 11/20/11 SCALE: 1"=60'		SHAW Nuclear WLG-7520-CCH-001 C

NO.	DATE	DESCRIPTION	BY	CHKD	APP'D
1	11/20/11	ISSUED FOR PERMIT	A.E.	J.C.	J.C.
2	11/20/11	REVISED TO INCORPORATE CLIENT COMMENTS	A.E.	J.C.	J.C.

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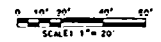


SECTION A
SCALE: 1/4"=1'-0"



TYPICAL EXCAVATION SECTION B
NOT TO SCALE

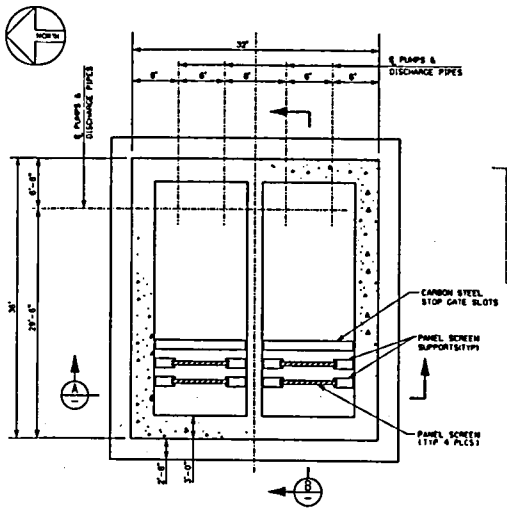
NOTES
1. FOR GENERAL NOTES SEE WLG-3800-P01-002.



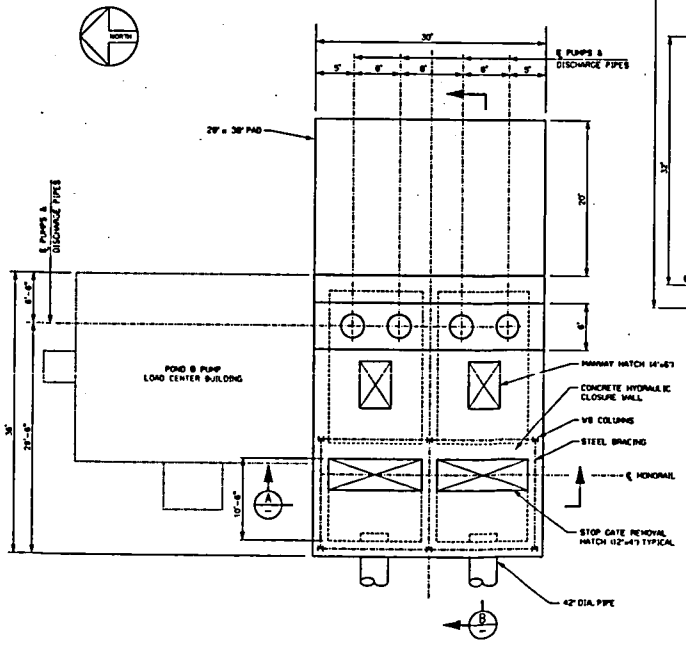
PRELIMINARY	
WEC SAFETY CLASSIFICATION: E	
DUKE ENERGY CAROLINAS, L.L.S. WILLIAM STATES LEE III NUCLEAR STATION	
POND B INTAKE STRUCTURE SECTION	
DESIGNED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i> DATE: 01/14/08	SCALE: 1/4"=1'-0" SHEET: E
WLG-7528-CCM-002	

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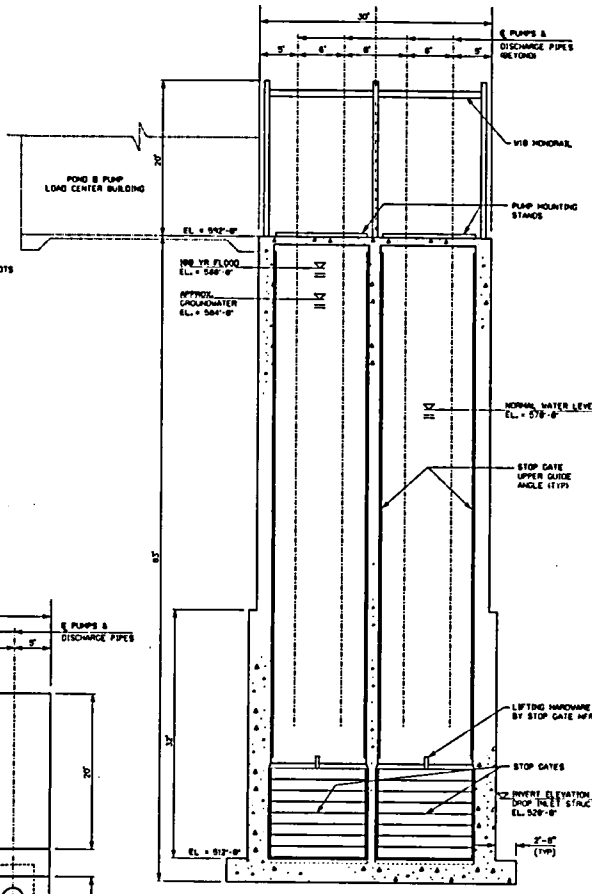
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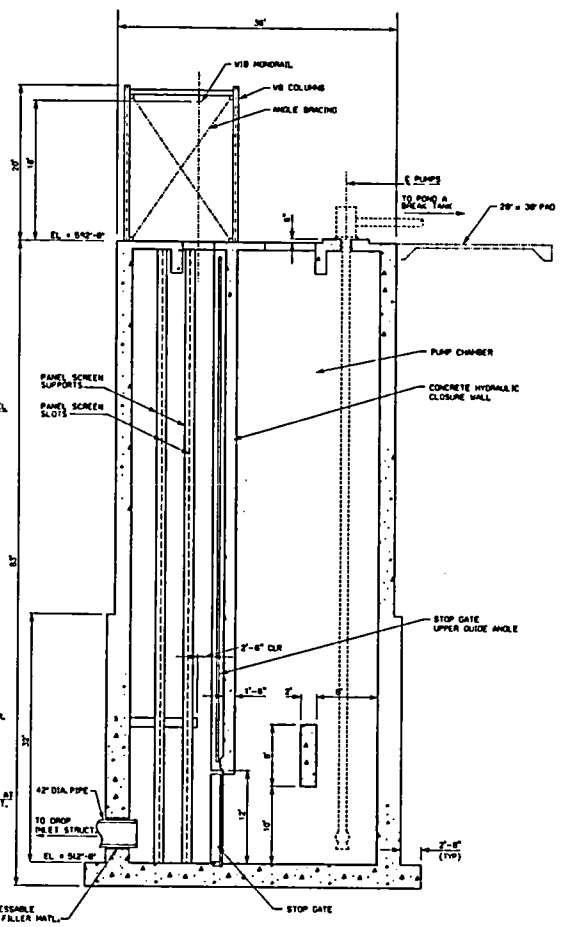
MAT PLAN @ EL. 512'-0"



ROOF PLAN @ EL. 592'-0"



SECTION A
SCALE: 3/4" = 1'-0"



SECTION B
SCALE: 3/4" = 1'-0"

NOTES:
1. FOR GENERAL NOTES SEE WLG-3988-PDN-001.
2. PUMPS WILL BE INSTALLED AS NECESSARY DURING OPERATION. POND B SERVES THE PLANT DURING LOW FLOW OPERATING CONDITIONS.

NO.	DATE	BY	CHKD.	APP.	DESCRIPTION
1	11/11/83	...	...	...	...
2	11/11/83	...	...	...	...

PRELIMINARY

WEC SAFETY CLASSIFICATION: E

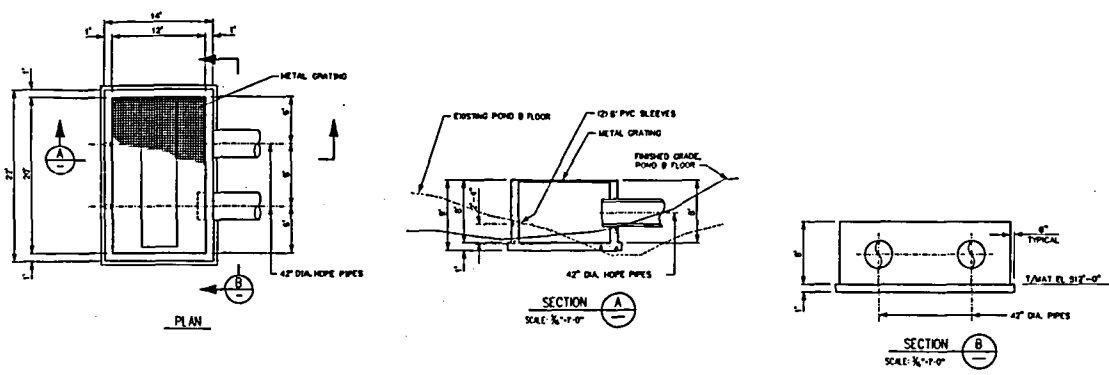
Duke Energy Carolinas, LLS
WILLIAM STATES LEE III
NUCLEAR STATION

POND B INTAKE STRUCTURE
OUTLINE PLANS AND SECTIONS

WLG-7520-CCH-003

THIS DRAWING CREATED ELECTRONICALLY

NOTES:
 1. FOR GENERAL NOTES SEE WLG-3400-P04-003.



POND B INTAKE STRUCTURE DROP INLET

PRELIMINARY

WEC SAFETY CLASSIFICATION: E

DUKE ENERGY CAROLINAS, L.L.S.
 WILLIAM STATES LEE III
 NUCLEAR STATION

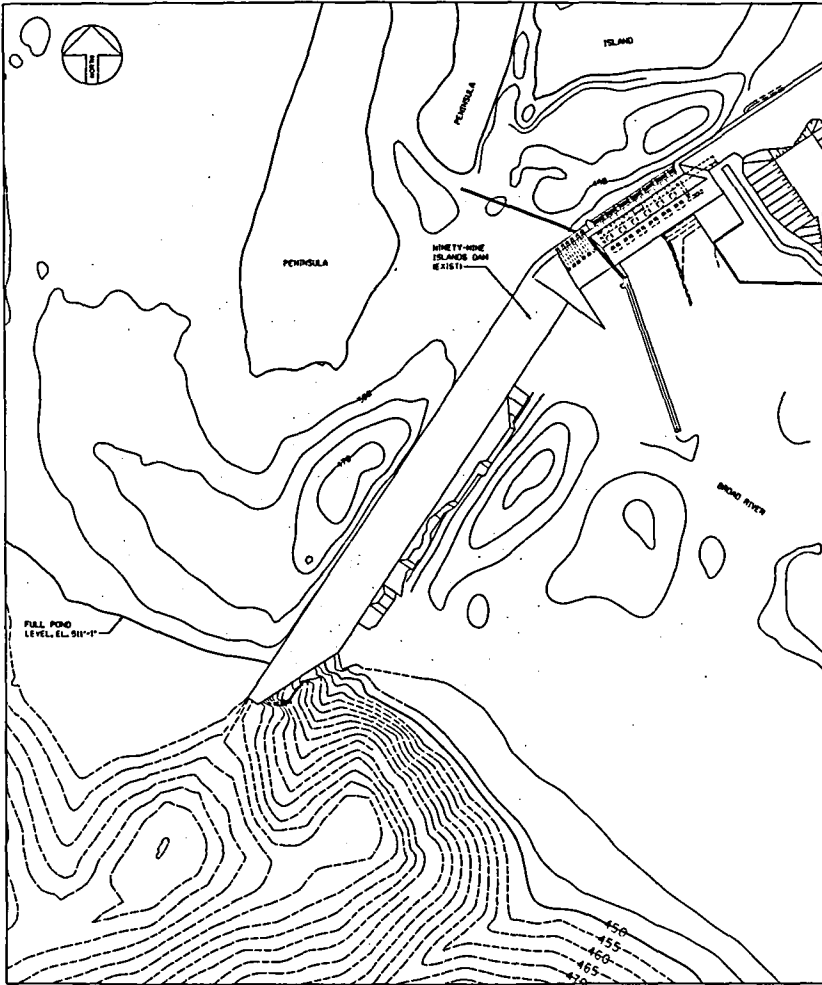
POND B INTAKE DROP INLET
 PLANS AND SECTIONS

DATE: 3/16/11
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

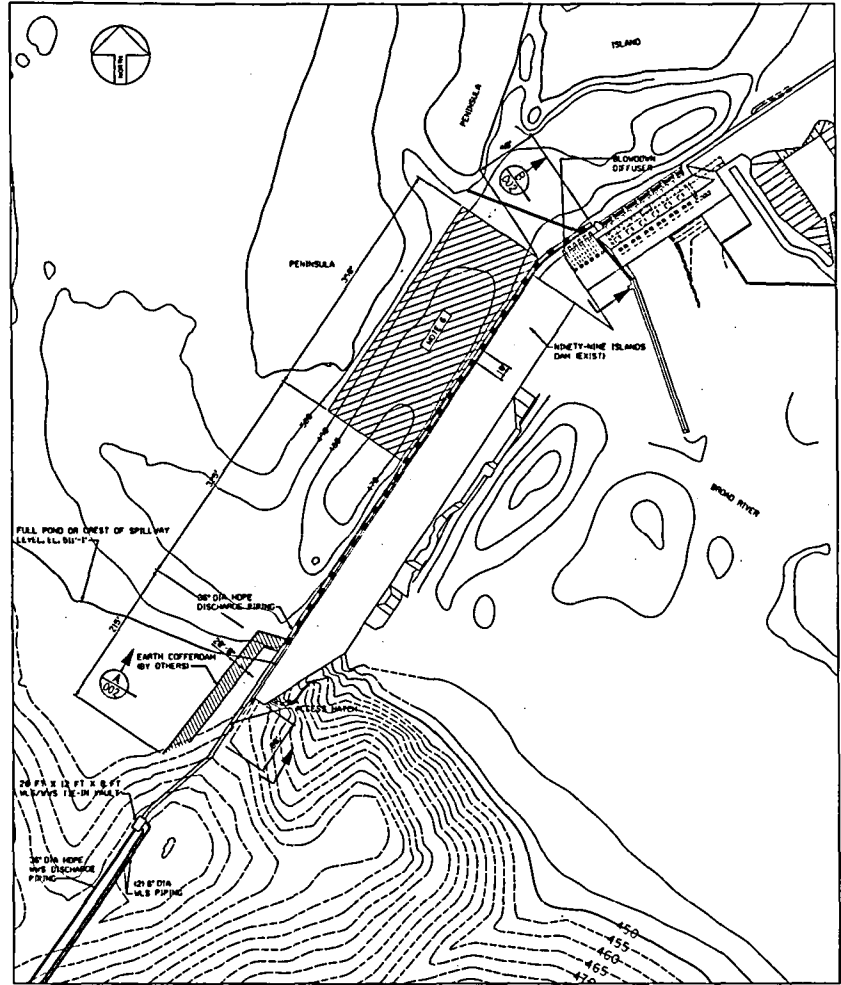
WLG-7928-CCH-004

NO.	DATE	DESCRIPTION	BY	CHKD.
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2				
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5				

THIS DRAWING CANNOT BE ELECTRONICALLY



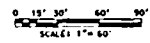
EXISTING CONDITION
SCALE: 1"=60'-0"



PROPOSED PLAN ARRANGEMENT
SCALE: 1"=60'-0"

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING WLG-3-908-PGH-002
2. INSTALL HOPE DISCHARGE PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. MINIMUM DEPTH OF COVER IS 2 FEET TYPICAL.
4. AT ROAD CROSSINGS, MINIMUM DEPTH OF COVER IS 3 FEET OR ONE PIPE DIAMETER.
5. MAINTAIN A SLIGHT BUFT SLOPE FOR PIPING.
6. DREDGING TO REMOVE SEDIMENT IN FRONT OF DAM WILL BE PERFORMED USING BARGE MOUNTED EXCAVATION EQUIPMENT TO IMPROVE THE NINETY-NINE ISLANDS FOREBAY AND BATHYMETRY AND TO PERMIT INSTALLATION OF WWS DISCHARGE PIPING.
7. AN ACCESS HATCH WILL BE PROVIDED DOWNSTREAM OF THE IN VAULT FOR ACCESS TO SAMPLE MIXED DISCHARGE EFFLUENT, PRIOR TO OUTFALL.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR THE UNDERWATER INSTALLATION OF THE DISCHARGE PIPE.



PRELIMINARY

WEC SAFETY CLASSIFICATION: E

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Duke Energy DUKE ENERGY CAROLINAS, LLS
WILLIAM STATES LEE III
NUCLEAR STATION

**WWS DISCHARGE
GENERAL AREA PLAN**

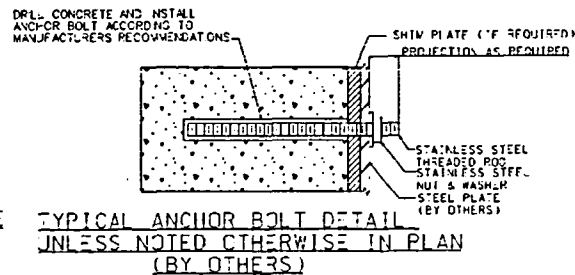
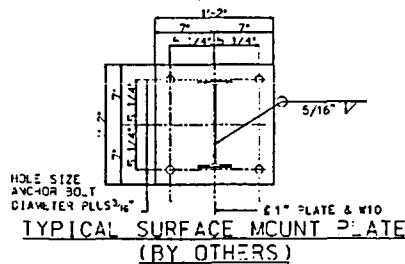
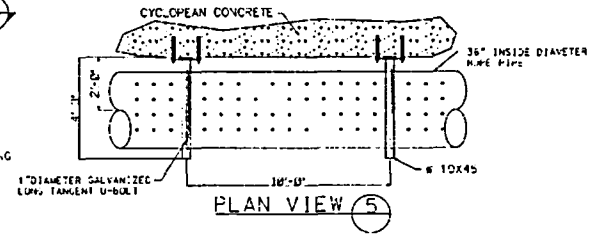
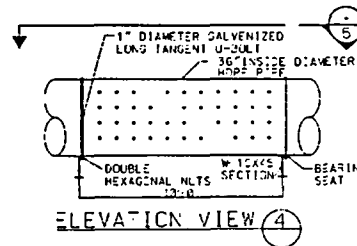
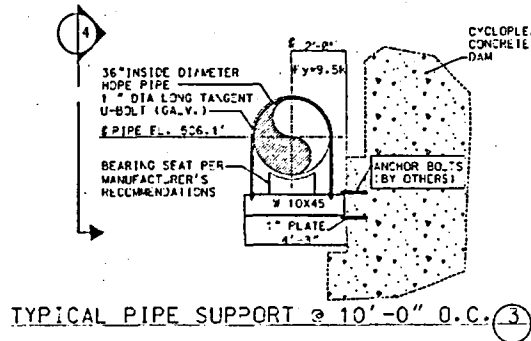
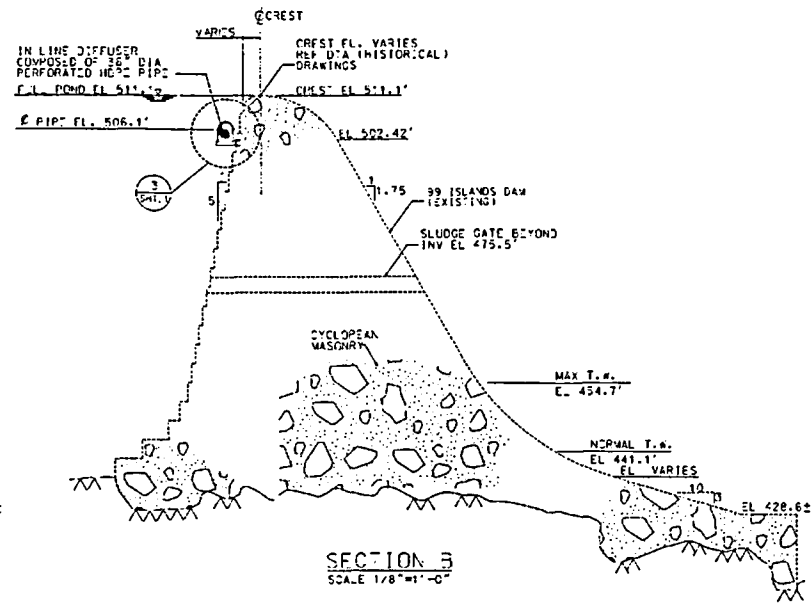
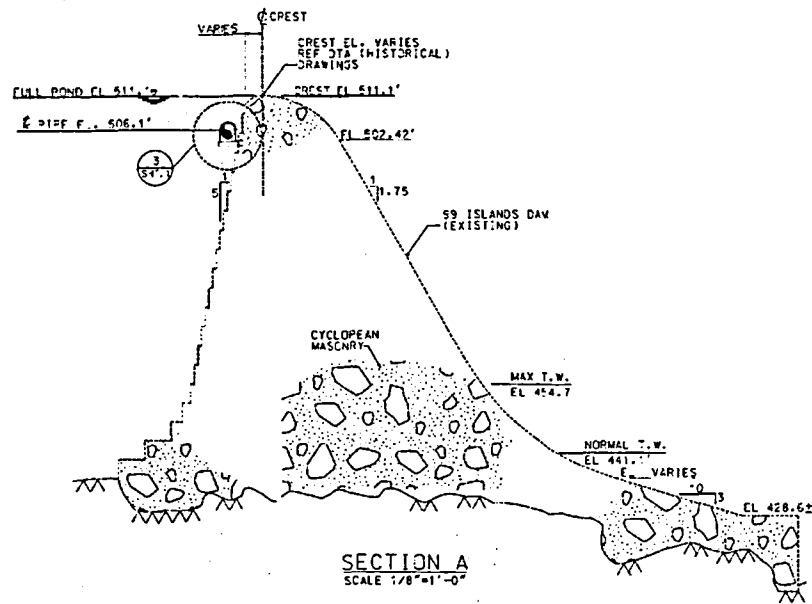
DESIGNED BY: JSC
CHECKED BY: JSC
DATE: 07/26/08
SCALE: 1"=60'-0"

Shaw Nuclear

WLG-3-908-PGH-001

A		REVISIONS	
NO.	DATE	DESCRIPTION	BY
1	07/26/08	ISSUED FOR PERMIT USE ONLY	JSC
2			
3			
4			
5			
6			
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8			
9			
10			

THIS DRAWING CREATES ELECTROMAGNETIC



NOTES

- FOR GENERAL NOTES SEE DRAWING ALG-3900-PEH-003
- HOPE PIPE WILL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. PIPE SHALL BE FLOATED AND THEN SUBMERGED INTO PLACE WORKING FROM THE WEST BANK OF THE BROAD RIVER TOWARD THE HYDRO-ELECTRIC POWERHOUSE. A BOND FLANGE WILL BE PROVIDED DURING CONSTRUCTION OPERATION. THE DIFFUSER SHALL BE INSTALLED AFTER DISCHARGE PIPE IS SECURED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE DIFFUSER PIPE ANCHORAGE SYSTEM.
- MAXIMUM VERTICAL LIFT FORCE ACTING THROUGH THE CENTER OF THE PIPE AT EACH SUPPORT IS Fy=9.5K.

PRELIMINARY

SEC SAFETY CLASSIFICATION: E

DATE ENERGY CAROLINAS, LLS
WILLIAM STATES LEE III
NUCLEAR STATION



DISCHARGE PIPE SUPPORT DETAILS

WLG-3900-PEH-002

NO.	REVISION	DATE	BY	CHKD.	APP'D.
1	ISSUED FOR CONSTRUCTION	10/15/02	JLW	MLC	MLC
2	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
3	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
4	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
5	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
6	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
7	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
8	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
9	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC
10	REVISED PER MFG. INFO	10/15/02	JLW	MLC	MLC

THIS DRAWING ORIGINATED ELECTRONICALLY

1. INTAKE WATER STRUCTURES ARE DESIGNED IN ACCORDANCE WITH REFERENCE SPECIFICATION WLG-RWS-M1-001.
2. BASEMAP, CONTOUR DATA AND BATHYMETRY SUPPLIED BY DEVINE TARBELL AND ASSOCIATES, COLLECTED IN 2007 AND 2008.
3. REFER TO SITE PLAN DRAWING WLG-7500-X2H-001 FOR LOCATION OF INTAKE AND DISCHARGE STRUCTURES.
4. REFER TO MECHANICAL DRAWING WLG-G1-P6-001 FOR PIPING LAYOUT PLANS.
5. ALL ELEVATIONS AND DIMENSIONS SHOWN ON THE DRAWINGS ARE NOMINAL AND SUBJECT TO CHANGE DURING FINAL DESIGN.
6. CONCRETE WORK SHALL CONFORM TO PROJECT SPECIFICATIONS AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318-05) AND THE SOUTH CAROLINA BUILDING CODE AND SPECIFICATIONS FOR STRUCTURAL CONCRETE.
7. SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4,000PSI AT 28 DAYS.
8. REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60000PSI CONFORMING TO ASTM A615 GRADE 60.
9. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
 W SHAPES: ASTM A572 GRADE 50 OR ASTM A992
 PLATES: ASTM A36
10. ALL PLATES SHALL BE 1 INCH THICK UNLESS OTHERWISE NOTED.
11. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY STRUCTURES

PRELIMINARY	
WEC SAFETY CLASSIFICATION: E	
 DUKE ENERGY CAROLINAS, L.L.C. WILLIAM STATES LEE III NUCLEAR STATION	
GENERAL NOTES RAW WATER SYSTEM AND WASTE WATER SYSTEM	
DESIGNED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>	DATE: <i>[Date]</i> SCALE: <i>[Scale]</i>
 Shaw-Walker	WLG-3900-PGH-003

THIS DRAWING CREATED ELECTRONICALLY