HISTORY OF CONSTRUCTION
40 CFR 257.73(c)(1)(i)-(xii)
PLANT MCINTOSH ASH POND 1
GEORGIA POWER COMPANY

(i) Site Name and Ownership Information:

Site Name:	Plant McIntosh
Site Location:	Rincon, Georgia
Site Address:	981 Old Augusta Road Central Rincon, GA 31326
Owner:	Georgia Power Company
Owner Address:	241 Ralph McGill Blvd Atlanta, GA 30308
CCR Unit Name:	Plant McIntosh Ash Pond 1 (AP-1)
NID ID:	Cell A: GA05892, Cell B: GA05896, Cell C: GA05897,

EPA's "Disposal of Coal Combustion Residuals from Electric Utilities" Final Rule (40 C.F.R. Part 257 and Part 261), §257.73(c)(1), requires the owner or operator of an existing CCR surface impoundment to compile a history of construction. To the extent feasible, the following information is provided:

(ii) CCR Unit Location Map:

32°21'02"N, 81°10'18"W
See Location Map in the Appendix

(iii) Purpose of CCR Unit:

Plant McIntosh is an electric generating facility with 1 coal fired unit and 8 simple cycle combustion turbine generators. AP-1 receives and stores coal combustion residuals (CCR) and low-volume waste produced during the electric generating process at Plant McIntosh.

(iv) Watershed Description:

Plant McIntosh AP-1 is located within the Dasher Creek – Savannah River HUC-12 watershed which has a total area of 56,186 acres. Plant McIntosh property is located within the Lower Savannah HUC-8 watershed which has a drainage area of 643,105 acres. AP-1 consists of a drainage area of approximately 26 acres with no additional off-site areas contributing to the total drainage area.

(v) Description of physical and engineering properties of CCR unit foundation/abutments:

AP-1 is subdivided into four cells, known as Cells A, B, C, and D. Cells A, B, and C serve as storage and settling cells, and Cell D serves as a clear pond. The main impoundment dikes are interconnected along the perimeter of AP-1. The west dike separates AP-1 from Plant McIntosh Road and is approximately 2,200 ft. along Cell A and Cell D. The northern, eastern, and southern dikes are approximately 600 ft., 1,480 ft., and 550 ft. long, respectfully. The dikes are generally homogenous structures comprised of low permeability compacted fill supported above the natural soil, with a constant top of dike elevation of 62.5 ft. The interior slopes are at 2H:1V while the exterior slopes are variable with minimum slopes of 3H:1V.

AP-1 lies within the Coastal Plain province. The topography of the Coastal Plain is relatively flat and featureless, generally sloping towards the sea. The foundation and abutments are supported by naturally deposited soils consisting generally of soft to very stiff sandy clayey silt and silty clay with discontinuous sand lenses and very loose to firm clayey and silty fine sand. These soils are underlain by very firm to very dense silty sand and hard to very hard sandy silt. The residual soils' consistency generally increases with depth.

Geotechnical explorations and stability analyses for the planned ash pond were conducted prior to construction. Engineering design parameters were obtained from samples collected and tested during these investigations. Acceptable fill material was identified as cohesive soils with at least 30% material passing the No. 200 sieve, minimum PI of 20%, and no organics. The report stated that fill material should be placed in maximum 6 inch lifts compacted to a minimum of 97% of the Standard Proctor (ASTM D-698) maximum dry density and a moisture content between -1% to +3% of the Standard Proctor optimum moisture content.

(vi) Summary of Site Preparation and Construction Activities:

AP-1 was created by construction of containment berms separating Cells A, B, C, and D, each with a top elevation of 62.5 feet. The containment berms were originally constructed in 1982 creating a storage area of about 22 acres.

A summary of the plan for construction included stripping all topsoil and loose grey silty fine sand containing roots or other organic matter to an extent of at least 5 feet beyond the planned location of the dike toes and varying in depth. Additionally, it was recommended that the upper loose to firm light brown silty fine sand layer generally 1 to 3 feet in thickness should be stripped from the pond and dike areas to potentially be stockpiled and used as structural fill if mixed with cohesive soils. At the end of construction, surface soils were to be covered with approximately 6 inches of topsoil.

(vii) Engineering Diagram:

The following drawings reflecting the construction of AP-1 can be found in the Appendix:

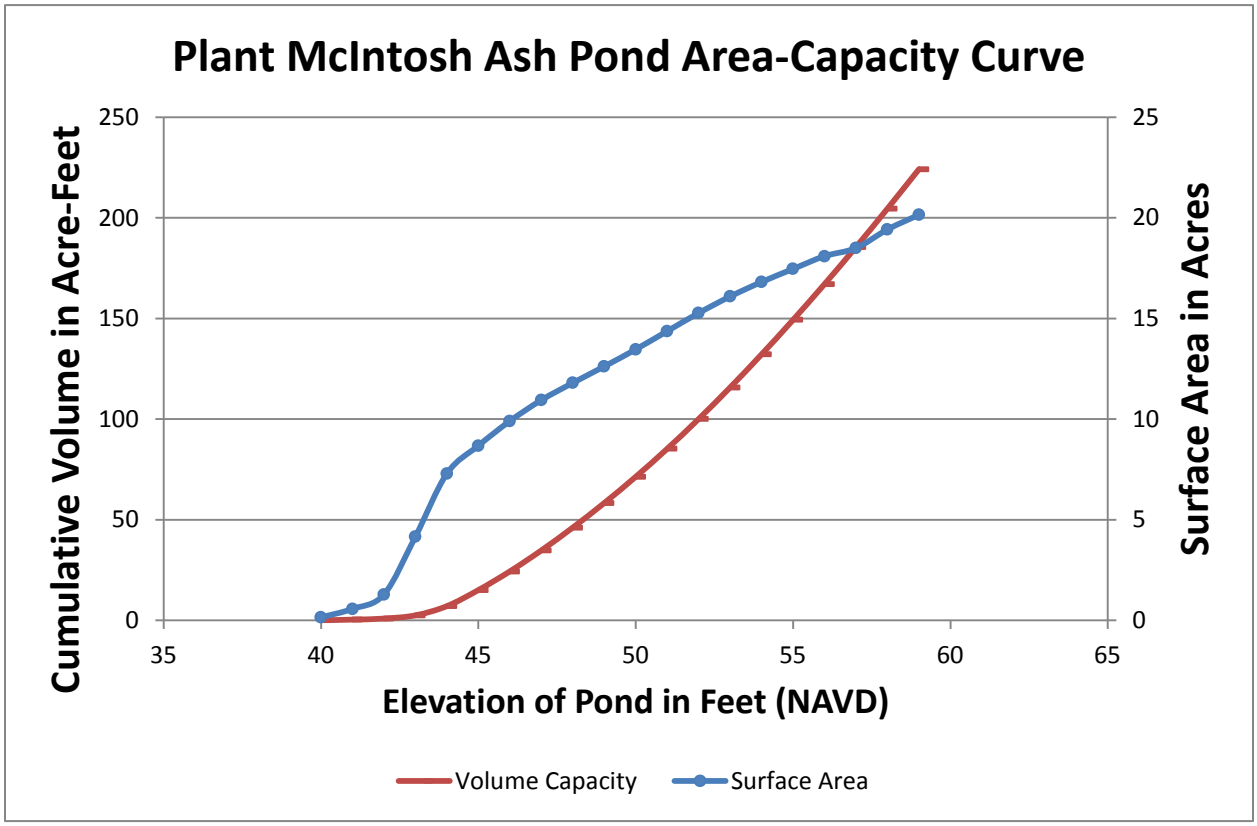
- Site location map

- Savannah Electric and Power Co. Drawing C-10 – Grading and Drainage Plan – Loop Track Area
- Savannah Electric and Power Co. Drawing C-12 – Grading and Drainage Sections
- Savannah Electric and Power Co. Drawing C-13 – Drainage Details
- Savannah Electric and Power Co. Drawing S-19 – Ash Pond Pump Structure
- Savannah Electric and Power Co. Drawing S-25 – Discharge Structure Type I Plans, Sections and Details
- Savannah Electric and Power Co. Drawing S-26 – Discharge Structure Type II Plans, Sections and Details
- Georgia Power Company Drawing ES1896S2
- Savannah Electric and Power Co. Drawing 11940-FY-11A-1 – Ash Pond Dikes Plan & Sections

(viii) Description of Instrumentation:

There are 4 piezometers installed along the main impoundment dikes at AP-1 that are used to monitor water levels around the impoundment.

(ix) Area-capacity curves:



(x) Spillway/Diversion design features and capacity calculations:

The primary discharge structure for AP-1 is located in the southern portion of Cell D. Return water pumps are located at Cell D for routing process water back to the Plant. The normal water surface elevation within AP-1 is 59.0 feet. The design storm for AP-1 is the 100-year, 24-hour storm. During this event, the water surface elevation peaks at 60.4 feet or 1.2 feet below the top of the dike. The primary discharge structure is a riser structure with a top elevation of 62.5 feet and a weir elevation of 60.5 feet. The riser is a 7-foot by 7-foot concrete structure connected to a 48-inch concrete discharge pipe. The discharge from Cell D routes to a small stream south of AP-1.

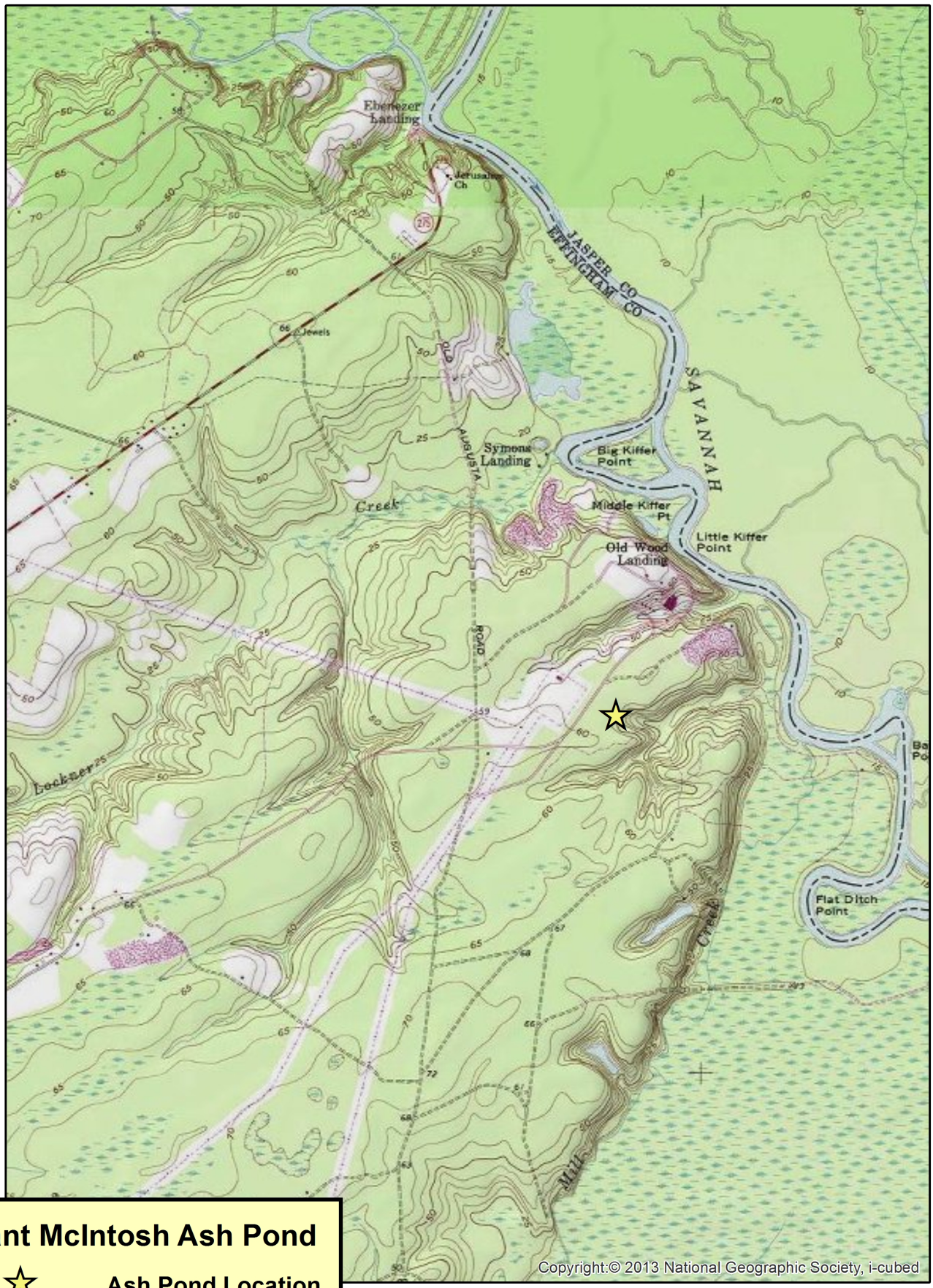
(xi) Provisions for surveillance, maintenance and repair:

Inspections of dikes are critical components and are conducted on a regular basis—at least annually by professional dam safety engineers and at least weekly by trained plant personnel. In addition, inspections are performed after unusual events such as storms. The inspections provide assurance that structures are sound and that action is taken, as needed, based on the findings. Safety inspections include numerous checklist items. Specific items vary from site to site but may include observations of such things as pond levels, weather conditions, rainfall since the prior inspection, instrument readings, conditions of slopes and drains; erosion, animal damage, ant hills, alignment of retaining structures and more. Dam safety engineers assess instrument readings, inspect any maintenance or remediation performed since the previous inspection, check the status of work recommended at prior inspections, ensure that the posting of emergency notification information is current and evaluate any items noted during plant personnel inspections.

(xii) Known record of structural instability:

There is no known record of structural instability for AP-1. An area of minor seepage on the downstream slope of Cell C was addressed with the installation of slot drains. Subsequent analysis confirmed the dikes structural stability.

Appendix



Plant McIntosh Ash Pond

N

☆ Ash Pond Location

USA Topo Maps

0 0.25 0.5 1 Miles

AF 14065

01:02:39 PM 6/21/2004 JLGALT

40'-36" R.C.P. W/ENDWALLS
SEE CROSS-SECTIONS

60'-12" B.C.C.M.P.
W/PLYWOOD SEALS
SEE CROSS-SECTIONS

PROVIDE DITCH AS SHOWN
2' B.W., 2:1 SIDE SLOPES
CLEAR & GRUB AS NECESSARY

TYPE "C" INLET
48'-15" R.C.P. W/ENDWALL
SEE CROSS-SECTIONS

TYPE "C" INLET
48'-15" R.C.P. W/ENDWALL
SEE CROSS-SECTIONS

TYPE "C" INLET
48'-15" R.C.P. W/ENDWALL
SEE CROSS-SECTIONS

EXISTING ACCESS ROAD

STA. 2+20.00 ℄ LOOP AT ℄ OF
CASING PIPES, FIVE-24" R.C.P.
CASING PIPES 70' LONG
25' LT. INV. EL. 42.60
45' RT. INV. EL. 42.70
SEE SHEET C-11

TOP OF DIKE EL. 62.5

100'-30" RCP
EFFLUENT INV. EL. 39.35
SEE SHEET S-25

BOTTOM EL. 39.5

BOTTOM
EL. 29.5

100'-30" RCP
EFFLUENT INV. EL. 39.35
SEE SHEET S-25

150'-30" RCP
EFFLUENT INV. 39.275
SEE SHEET S-25

184'-30" R.C.P. W/ENDWALL AND
ENERGY DISSIPATING STRUCTURE
SEE CROSS-SECTIONS

130'-48" RCP
W/ENDWALL AND
SEEPAGE COLLAR
SEE SHEET S-25

INV. EL. 29.95

DITCH 2' B.W. &
2:1 SIDE SLOPES

LIMITS OF REMOVAL OF
LIQUEFIABLE MATERIAL
TO ELEV. 13.00

TOE DRAIN
LIMITS

LIMITS OF REMOVAL OF
LIQUEFIABLE MATERIAL
TO ELEV. 13.00

CONST. TOE DRAIN OUTFALL
TEE INTERSECTION WITH 12"
DIA. P.V.C. OUTFALL PIPE
INV. EL. 33.00±

TOE DRAIN
LIMITS

LIMITS OF REMOVAL OF
LIQUEFIABLE MATERIAL
TO ELEV. 13.00

CONST. TOE DRAIN OUTFALL
TEE INTERSECTIONS WITH 12"
DIA. P.V.C. OUTFALL PIPE
INV. EL. 26.00±

64'-15" R.C.P. W/ENDWALLS
SEE CROSS-SECTIONS

40'-15" R.C.P. W/ENDWALLS
SEE CROSS-SECTIONS

48'-30" R.C.P. W/ENDWALLS
INVERT IN EL. 42.65
INVERT OUT EL. 42.41

132'-15" R.C.P. W/ENDWALLS
SEE CROSS-SECTIONS

323' UNDERDRAIN PIPE
SEE CROSS-SECTIONS

STA 28+06.49, 203' RT TO ℄ OF
CASING PIPES, FIVE-24" R.C.P.
CASING PIPES 40' LONG
LT. INV. EL. 52.00
RT. INV. EL. 52.17
SEE SHEET C-11

136'-30" R.C.P. W/ENDWALL
& ENERGY DISSIPATER
INVERT IN EL. 40.5
INVERT OUT EL. 40.0

56'-24" R.C.P. W/ENDWALLS
INVERT IN EL. 47.0
INVERT OUT EL. 46.5

TYPE "C" INLET
40'-15" R.C.P. W/ENDWALL
SEE CROSS-SECTIONS

CAP EXIST. 18" CULVERT
INVERT EL. 44.21

EXIST. 43"x27" DBL. B.C.C.M.P.
CULVERT, EXTEND ℄ TO
MEET PROPOSED DITCH.

STA. 28+20.93 ℄ SPUR AT ℄ OF CASING PIPES,
FIVE-58'-24" R.C.P. CASING PIPES AT
45° SKEW TO TRACK.
LT. 16', INV. E.EV. 42.40
RT. 25', INV. E.EV. 42.50

180' UNDERDRAIN PIPE
SEE CROSS-SECTIONS

171' UNDERDRAIN PIPE
SEE CROSS-SECTIONS

STA. 29+34.37 ℄ SPUR
85'-6" P.V.C. SCHEDULE
40, GLUED JOINTS
INV. ELEV. 41.00

EXISTING SPOIL BANK

104'-42" R.C.P. W/ENDWALLS
SEE CROSS-SECTIONS

63° 51' 24"

UNSUITABLE MATERIAL
FOR REMOVAL SEE X-SECTIONS

240'-120" 10 GA. B.C.M.P. W/PAVED INVERT
COUPLING BANDS W/O-RINGS GASKETS
5"x1" CORRUGATIONS
STA. 20+10, 105' RT., INV. EL. 16.55
STA. 19+05, 109' LT., INV. EL. 16.00

3 NOTE: ASH POND CONTROL STRUCTURES AND ACCOMPANYING PIPE, GRADING AND CLEARING ARE TO BE BID SEPARATELY AS A SUPPLEMENTAL CONTRACT.

ISSUED FOR BIDS FOR DISCHARGE STRUCTURE

APPROVED _____
REGISTERED PROFESSIONAL ENGINEER, NO. _____
STATE OF GEORGIA

SCALE: 1" = 100'

GRADING AND DRAINAGE PLAN
- LOOP TRACK AREA -

1 REVISED SHEET
2 CHANGE 4" PVC PIPE TO 6" ADDEN NO. 2
3 SEE NOTE
4 ADD DITCH & CLEARING LIMITS MCD NO. 1

EFFINGHAM GENERATOR STATION
SAVANNAH ELECTRIC AND POWER CO.
SAVANNAH, GEORGIA

DRAWN BY: J.M.B.
CHECKED BY: J.T.H.
DATE: 1-7-81

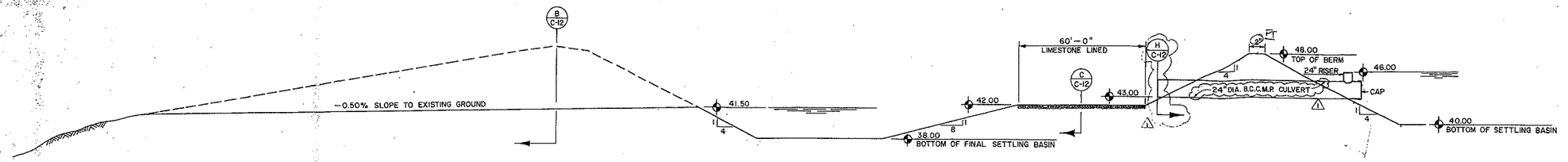
REYNOLDS SMITH AND HILLS
ARCHITECTS • ENGINEERS • PLANNERS
INCORPORATED
JACKSONVILLE, FLORIDA

SHEET C-10 R-2
FILE NO. 79175-003

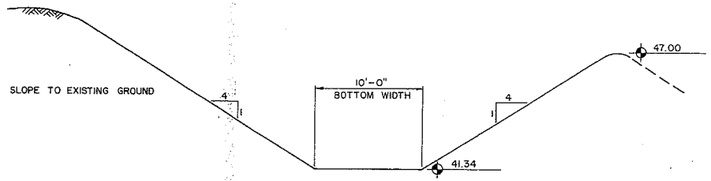
0004.0

DS1MPJ-29

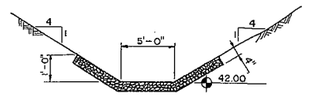
Base Sheet



COAL PIPE RUNOFF TREATMENT FACILITY SECTION (A C-12)

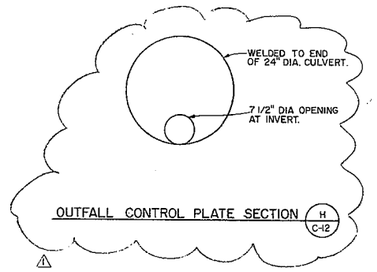


OUTFALL DITCH FROM TREATMENT FACILITY SECTION (B C-12)

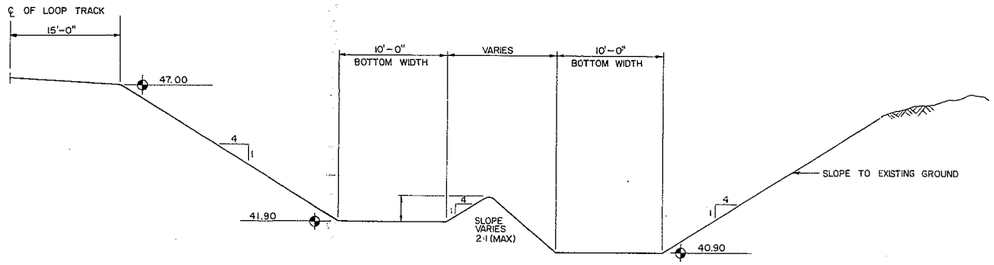


LIMESTONE LINED DITCH SECTION (C C-12)

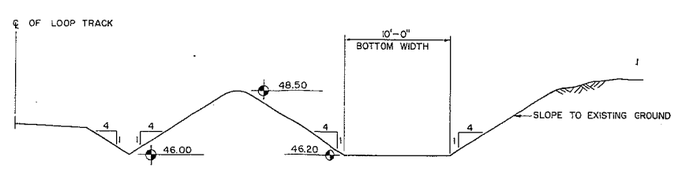
NOTE: LIMESTONE IS TO BE NO. 3 STONE (AASTO M-45), 1" TO 2 1/2" MIN. WITH 85% MIN. TOTAL CARBONATES



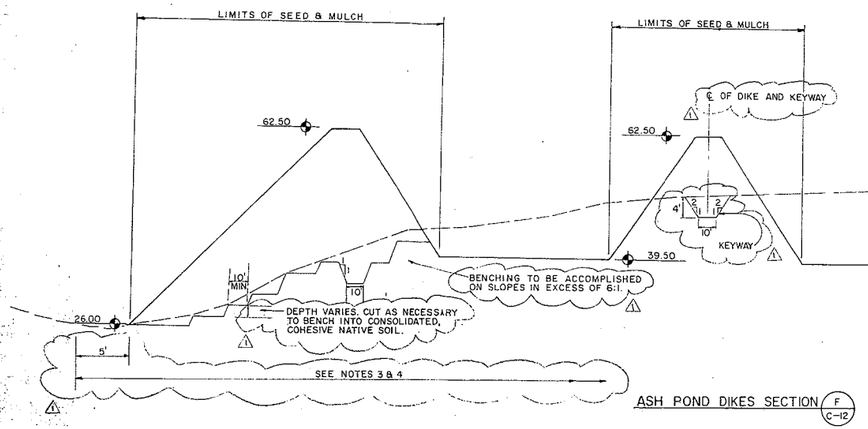
OUTFALL CONTROL PLATE SECTION (H C-12)



OUTFALL AND DRAINAGE DITCHES SECTION (D C-12)

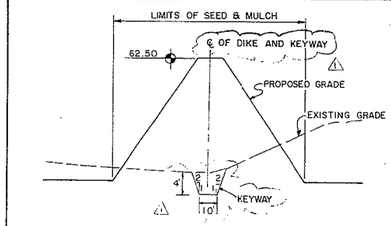


SETTLING BASIN OVERFLOW SECTION (E C-12)



ASH POND DIKES SECTION (F C-12)

NOTE:
1. KEYWAYS AS SHOWN ARE TYPICAL FOR ENTIRE LENGTH OF ASH POND DIKES EXCEPT NORTH AND WEST EXTERIOR DIKES.
2. SEED AND MULCH ALL DISTURBED AREAS EXCEPT ASH POND BOTTOMS AND UNDISTURBED COAL PILE AREA.
3. REMOVE ALL TOPSOIL AND ORGANIC MATERIAL TO WHATEVER DEPTH ENCOUNTERED.
4. REMOVE ALL LOOSE TO FIRM LIGHT BROWN SILTY FINE SAND TO A DEPTH OF 3' BELOW GRADE. STOCKPILE FOR LATER REUSE. REMOVED SAND MAY BE MIXED WITH COHESIVE SOILS AND USED AS DIKE CONSTRUCTION MATERIALS.



ASH POND DIKE SECTION (G C-12)

GENERAL NOTE:
FOR GRADES ON DITCHES SEE GRADING AND DRAINAGE SHEET.
ADDENDUM NO. 1

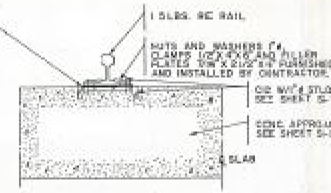
APPROVED _____
REGISTERED PROFESSIONAL ENGINEER, NO. _____
STATE OF GEORGIA

GRADING AND DRAINAGE SECTIONS

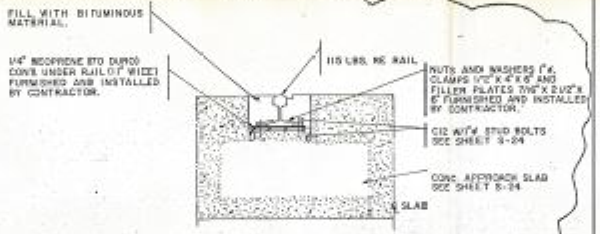
⚠ REVISED SHEET

EFFINGHAM GENERATOR STATION
SAVANNAH ELECTRIC AND POWER CO.
SAVANNAH, GEORGIA

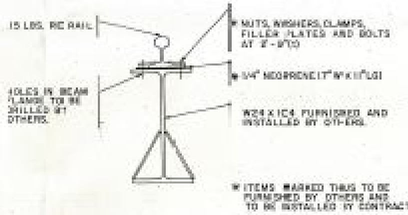
DRAWN BY J.P.Z.	REYNOLDS, SMITH AND HILLS	SHEET C-12
CHECKED BY J.T.H.	ARCHITECTS • ENGINEERS • PLANNERS INCORPORATED	
DATE 1-7-81	JACKSONVILLE, FLORIDA	JOB NO. 79175-003



RAIL ON COAL UNLOADING HOPPER APPROACH SLAB

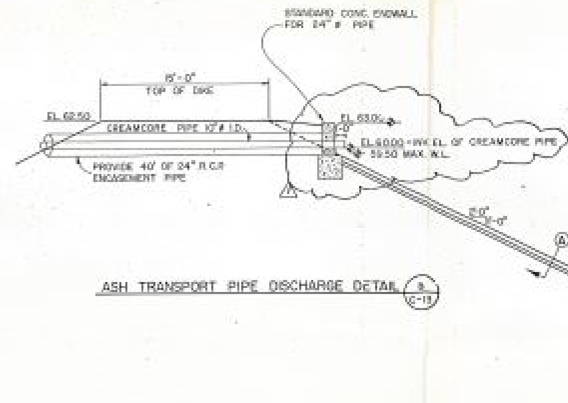


RAIL ON TRACK SCALE APPROACH SLAB

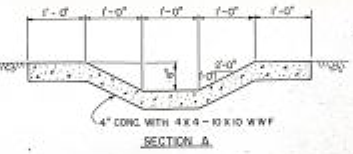


* ITEMS MARKED THUS TO BE FURNISHED BY OTHERS AND TO BE INSTALLED BY CONTRACTOR.

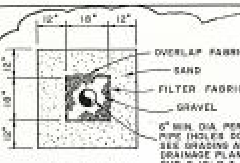
RAIL ON COAL UNLOADING HOPPER



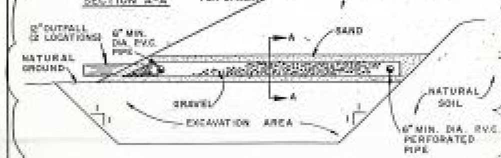
ASH TRANSPORT PIPE DISCHARGE DETAIL (B / C-13)



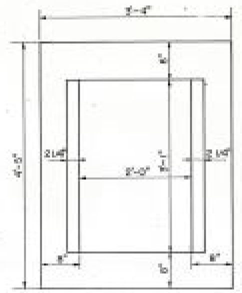
SECTION A



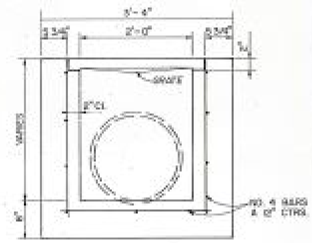
SECTION A-A



TYPICAL SECTION THRU TOE DRAIN (A / C-13)

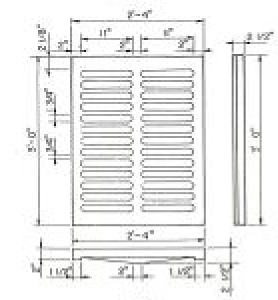


PLAN



SECTION

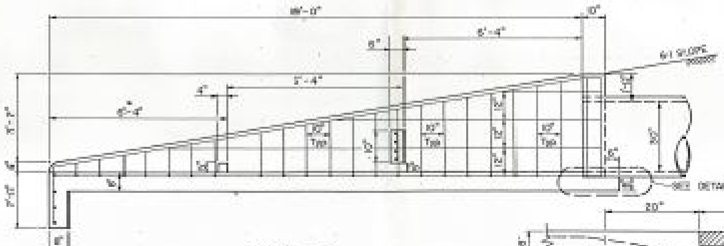
RECOMMENDED MAXIMUM PIPE SIZE
3'-0" WALL – 18" PIPE
3'-1" WALL – 24" PIPE



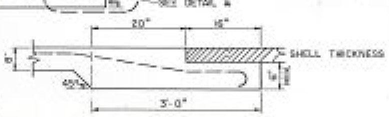
GRATE

DITCH BOTTOM INLET TYPE "C"

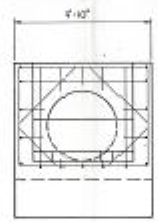
CONTRACTOR'S OPTION TO FURNISH SHOP DRAWINGS FOR BRICK, MASONRY OR PRECAST UNITS.



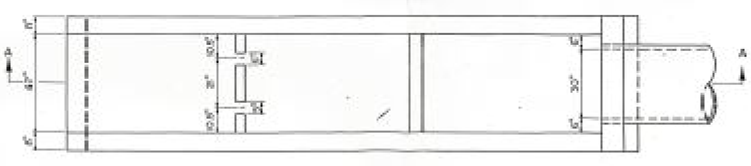
SECTION A-A



DETAIL A



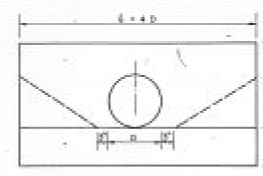
END VIEW



PLAN VIEW

ENERGY DISSIPATING ENDWALL DETAIL

NOTE:
1. ALL REINFORCING STEEL IS 1/2" ø BARS. ALL BAR DIMENSIONS ARE GIVEN OUT TO OUT. BAR CLEARANCE: 2" EXCEPT AS NOTED.
2. MATERIAL QUANTITIES:
CONCRETE: 4.88 CU. YD.
REINFORCING STEEL: 351 LBS.

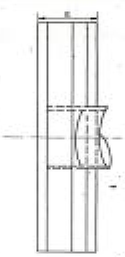


FRONT ELEVATION

SIDE ELEVATION

00020 HC 14

DIMENSIONS					
D	B	E	F	G	H
15"	1'-3"	1'-10"	1'-2"	8'-0"	2'-8"
18"	1'-6"	1'-11"	1'-3"	8'-0"	2'-8"
24"	1'-4"	2'-0"	1'-4"	8'-0"	3'-0"
30"	1'-6"	2'-2"	1'-6"	10'-0"	3'-6"
36"	1'-8"	2'-4"	1'-8"	8'-0"	4'-0"
42"	1'-10"	2'-6"	2'-0"	14'-0"	4'-6"
48"	2'-1"	2'-9"	2'-3"	16'-0"	5'-0"



PLAN

CONCRETE ENDWALL DETAIL

MCD.8 SHEET 3 of 8

APPROVED ____________
REGISTERED PROFESSIONAL ENGINEER STATE OF GEORGIA

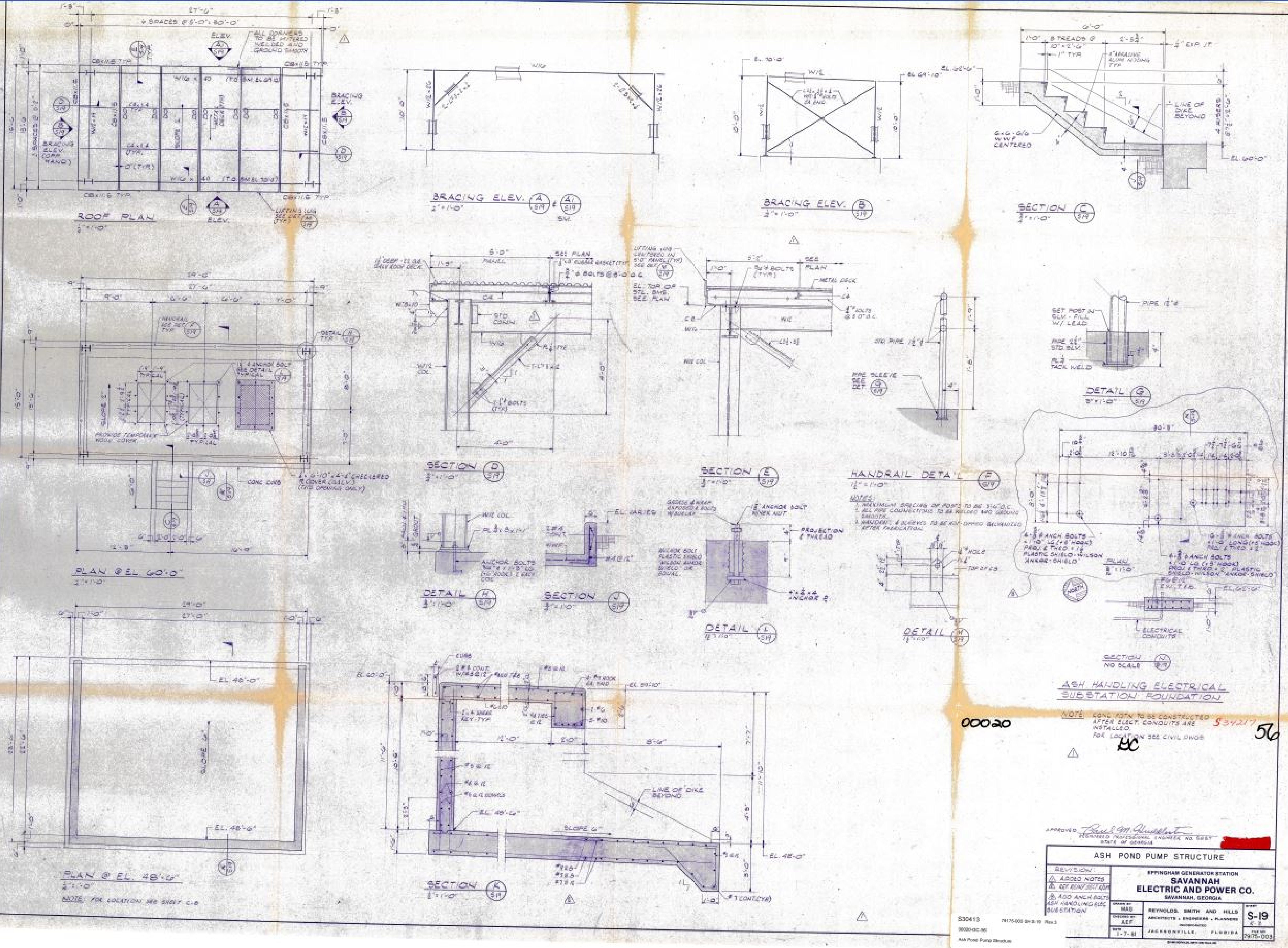
DRAINAGE DETAILS

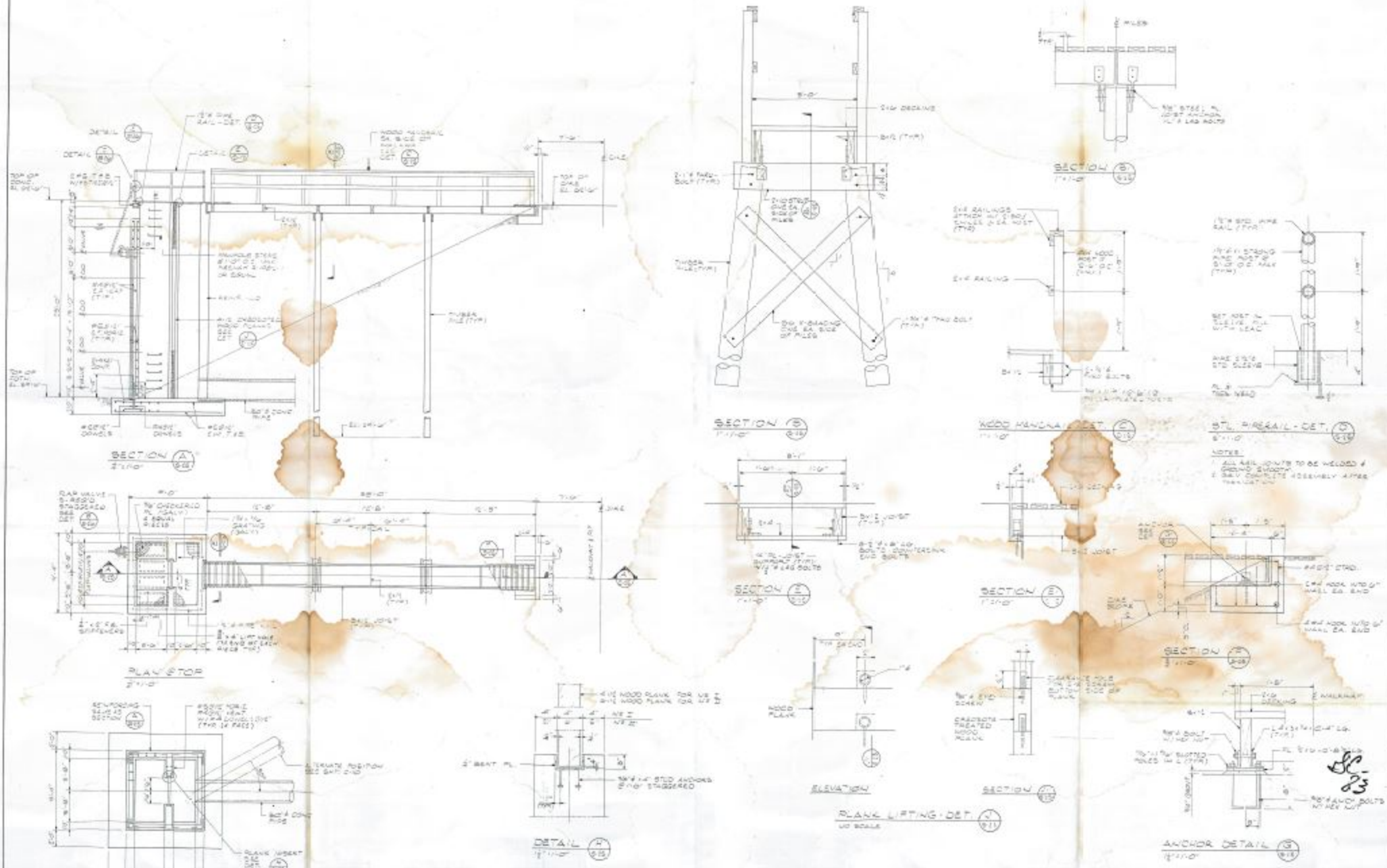
△1 ADDED DETAILS
△2 6/4/81 TOE DRAIN DETAIL

EFFINGHAM GENERATOR STATION
SAVANNAH ELECTRIC AND POWER CO.
SAVANNAH, GEORGIA

DRAWN BY J.R.Z. | CHECKED BY J.T.H. | DATE 1-7-81
REYNOLDS, SMITH AND HILLS
ARCHITECTS · ENGINEERS · PLANNERS
INCORPORATED
JACKSONVILLE, FLORIDA
SHEET C-13
FILE NO. 7375-003

S00067 TW150-003 SHEET C-13
Rev 2
Grading and Drainage Sections


ROOF PLAN
1/4" = 1'-0"
BRACING ELEV. A/S19 & A1/S19
BRACING ELEV. B/S19
SECTION C/S19
PLAN @ EL 60'-0"
SECTION D/S19
SECTION E/S19
HANDRAIL DETAIL F/S19
DETAIL G/S19
DETAIL H/S19
SECTION J/S19
DETAIL L/S19
DETAIL M/S19
SECTION N
NO SCALE
PLAN @ EL. 48'-6"
NOTE: FOR LOCATION SEE SHEET C-8
SECTION K/S19
ASH HANDLING ELECTRICAL SUBSTATION FOUNDATION
NOTE: CONC FDTN TO BE CONSTRUCTED AFTER ELECT. CONDUITS ARE INSTALLED. FOR LOCATION SEE CIVIL DWGS
00020
$34217
56
APPROVED
REGISTERED PROFESSIONAL ENGINEER NO. 5887 STATE OF GEORGIA
[redacted]
ASH POND PUMP STRUCTURE
REVISION
1 ADDED NOTES
2 REV. REINF. DET. K
3 ADD ANCH BOLTS ASH HANDLING ELEC SUBSTATION
EFFINGHAM GENERATOR STATION
SAVANNAH ELECTRIC AND POWER CO.
SAVANNAH, GEORGIA
DRAWN BY MAB
CHECKED BY AEF
DATE 1-7-81
REYNOLDS, SMITH AND HILLS
ARCHITECTS - ENGINEERS - PLANNERS
INCORPORATED
JACKSONVILLE, FLORIDA
SHEET S-19
7975-003
S30413
79175-003 SH S-19 Rev.3
00020-OC-90
Ash Pond Pump Structure



DISCHARGE STRUCTURE TYPE I
PLANS, SECTIONS AND DETAILS

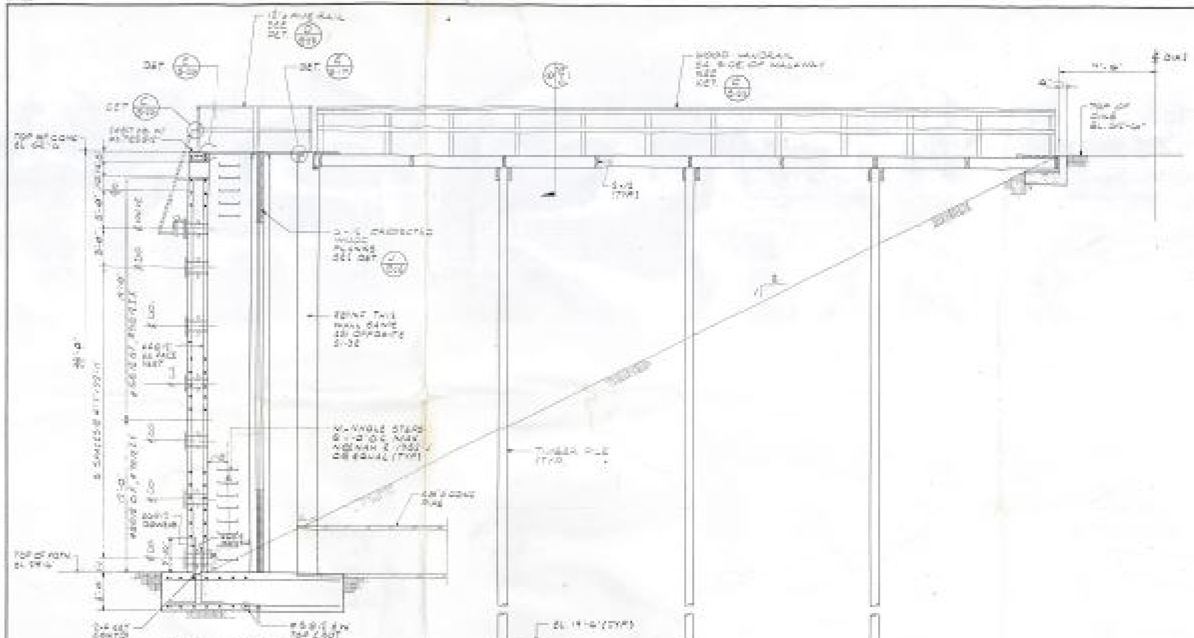
ERVINGHAM GENERATOR STATION
SAVANNAH
ELECTRIC AND POWER CO.
SAVANNAH, GEORGIA

DESIGNED M.A.C.
DRAWN R.B.P.
CHECKED T.J.H.

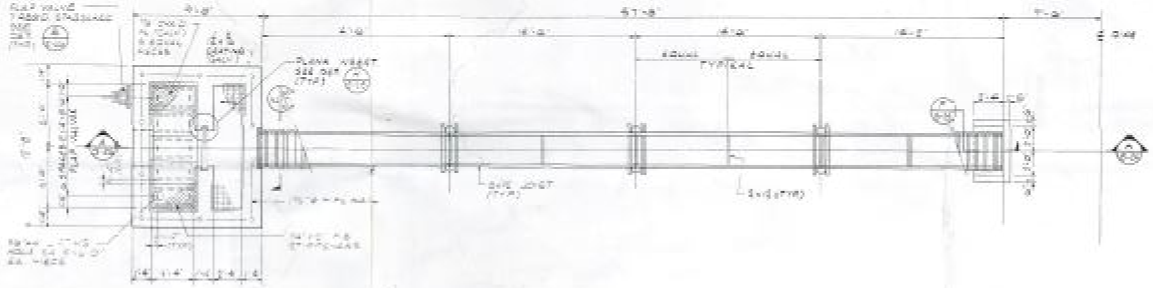
REYNOLDS, SMITH AND HILLS
ARCHITECTS + ENGINEERS + PLANNERS
JACKSONVILLE, FLORIDA

SHEET S-25

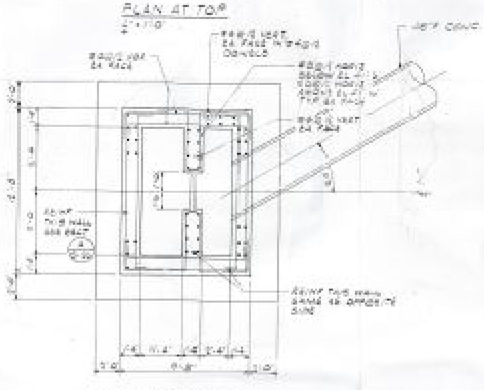
FILE NO. 78175-C01



SECTION (A / S-26)
1/4" = 1'-0"

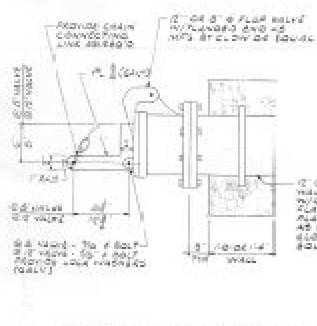


PLAN AT TOP
1/4" = 1'-0"



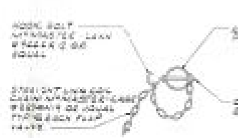
PLAN AT BOTTOM
1/2" = 1'-0"

NOTE: FOR REINF @ CORNERS AND ADDED REINFORCING AT PIPE OPENINGS SEE SHEET S-28

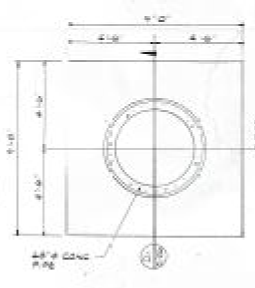


TYPICAL FLAP VALVE DETAIL (B / S-26)
1 1/2" = 1'-0"

NOTE: FOR LOCATION OF DISCHARGE STRUCTURE SEE SHTS. S-14 & C-10



DETAIL (C / S-26)
3" = 1'-0"



ELEV.

SECTION

CONCRETE SEEPAGE COLLAR DET (D / S-26)
1/2" = 1'-0"
FOR LOCATION SEE SHEET C-10

DETAIL (E / S-26)
3" = 1'-0"

NOTES:

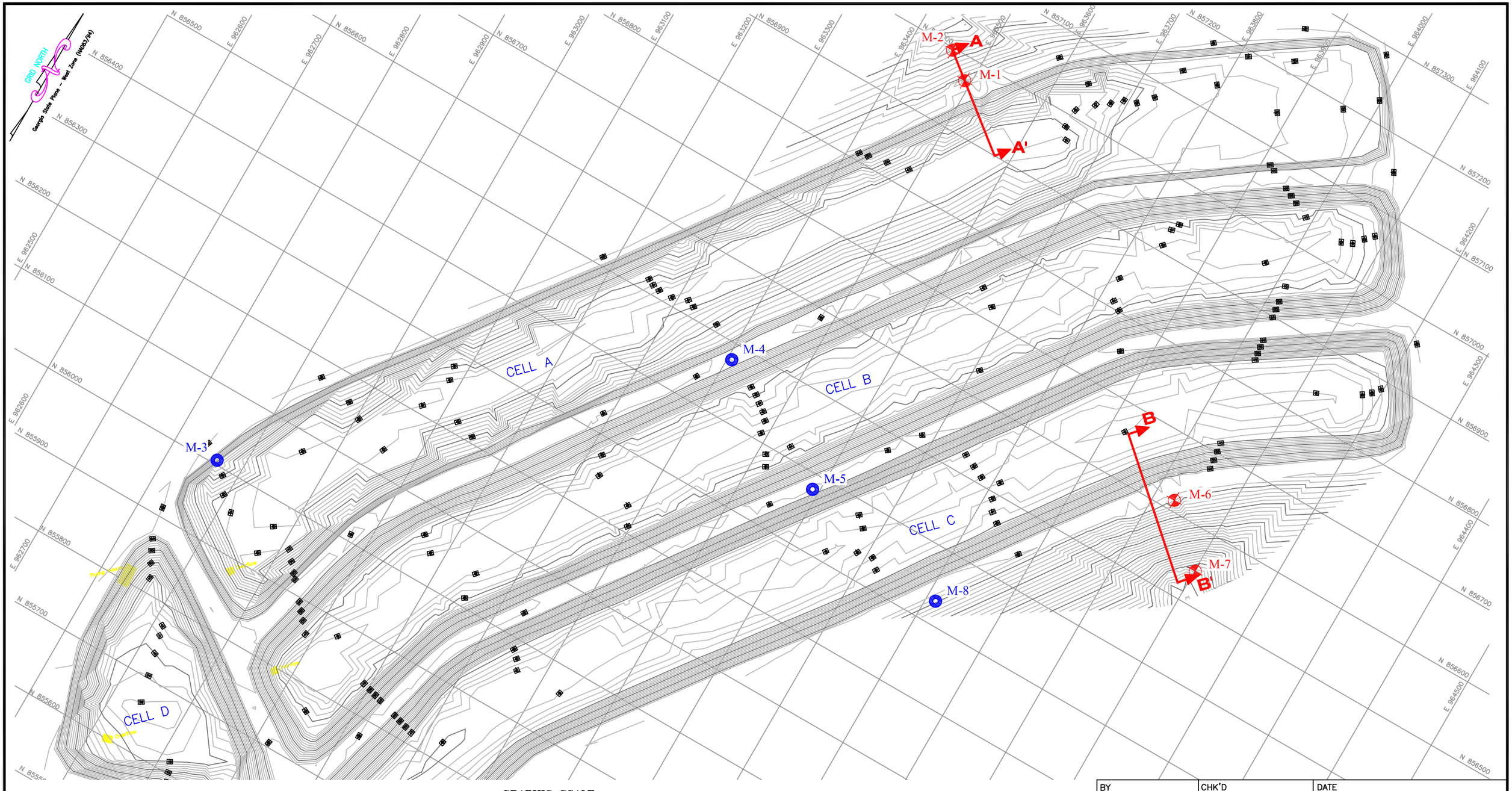
1. FOR DESIGN CRITERIA & NOTES NOT SHOWN SEE SHEET S-1.
2. PILES SHALL BE WOOD, SOUTHERN YELLOW PINE, CLEAN, PEELED, CONFORMING TO ASTM D25. NOMINAL BUTT CIRCUMFERENCE SHALL BE 38 INCHES.
3. PILES SHALL BE TREATED IN ACCORDANCE WITH THE STANDARD AWPB MP-1 AND BE IDENTIFIED BY THE AWPB QUALITY MARK.
4. CAPS, COLLARS, OR BANDS SHALL BE USED, WHERE REQUIRED, FOR PROTECTION OF BUTTS AGAINST SPLITTING.
5. SPLICING OF PILES WILL NOT BE PERMITTED.
6. PILES SHALL BE DRIVEN TO THE MINIMUM TIP ELEVATION SHOWN ON THE DRAWINGS.
7. PILE SHALL BE DRIVEN WITH A VARIATION OF NOT MORE THAN 1/4 INCH PER FOOT FROM THE SLOPE SHOWN, WITH A MAXIMUM VARIATION OF THE BUTT FROM THE POSITION SHOWN ON THE PLANS OF NOT MORE THAN 3 INCHES.
8. ALL TIMBER SHALL BE SOUTHERN YELLOW PINE, NO. 1 DENSE.
9. ALL TIMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-18. TIMBER FOR WALKWAY DECKING AND HANDRAIL SHALL BE TREATED WITH WATER-BORNE PRESERVATIVES. ALL OTHER TIMBER SHALL BE TREATED WITH CREOSOTE.
10. TIMBER SHALL BE FIELD TREATED AS REQUIRED BY AWPA STD M4.
11. HOLES FOR BOLTS SHALL BE PREBORED THE SAME DIAMETER AS THE BOLT.
12. ALL HARDWARE AND FASTENERS SHALL BE GALVANIZED PER ASTM A153, CLASS C COATING.
13. PROVIDE WASHERS UNDER HEAD AND NUT OF ALL THROUGH-BOLTS AND UNDER HEAD OF DRIFT BOLTS. WASHERS SHALL BE 1/4" THICK.
14. DRIVING OF WOOD PILES SHALL BE IN ACCORDANCE WITH "STANDARD SPECS. FOR ROAD AND BRIDGE CONSTRUCTION" OF GEORGIA DEPT OF TRANSPORTATION, EXCEPT AS OTHERWISE INDICATED HEREIN.

00020

8C-84

S41967

DISCHARGE STRUCTURE TYPE II PLANS, SECTIONS AND DETAILS	
EFFINGHAM GENERATOR STATION SAVANNAH ELECTRIC AND POWER CO. SAVANNAH, GEORGIA	
DRAWN BY M.E.G. / CHECKED BY R.R.P. / DATE 2-9-81	REYNOLDS, SMITH AND HILLS ARCHITECTS · ENGINEERS · PLANNERS INCORPORATED JACKSONVILLE, FLORIDA
SHEET S-26	FILE NO. 79075-003



Legend:

M-7 Well

M-3 Soil Boring

GRAPHIC SCALE

125 0 125 250

(IN FEET)

1 inch =125 ft.

BY	CHK'D	DATE

Southern Company Generation
Engineering and Construction Services
FOR

Georgia Power Company

ATTACHMENT A – FIGURE 1

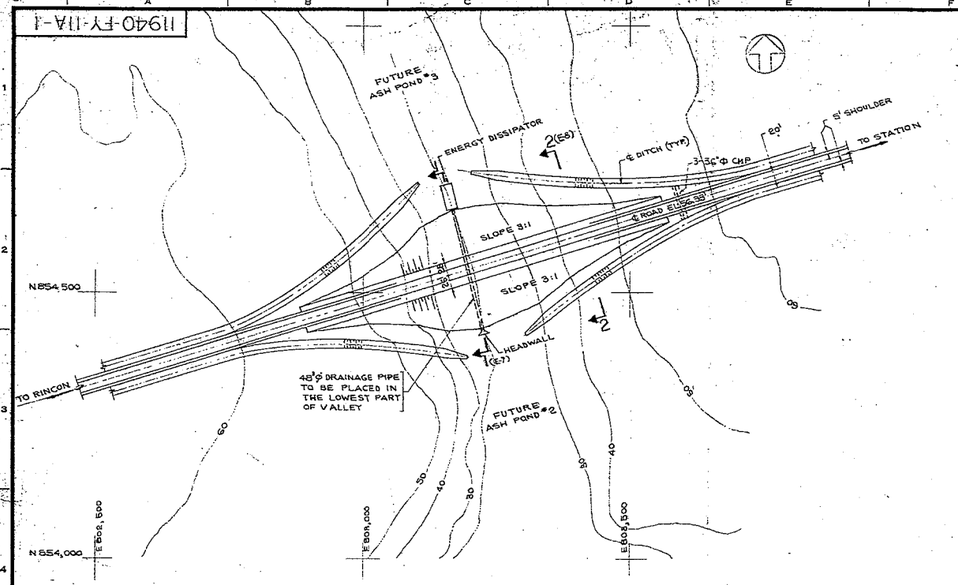
PLANT MCINTOSH CALC. # TV-MC-3160BW-001

BORING & WELL LOCATIONS

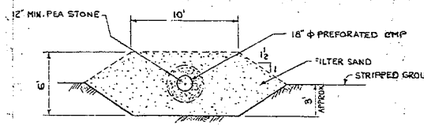
CROSS SECTIONS A-A' & B-B'

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	ES1896S2	1	FINAL	0

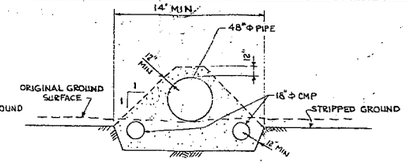
11940-FY-11A-1



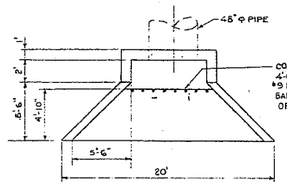
PLAN OF ACCESS ROAD DIKE
SCALE 1"=100'



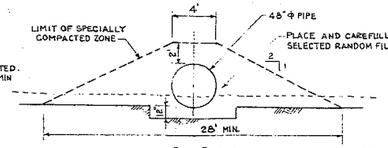
DET. 1 (F-8)
SCALE: 1"=5'



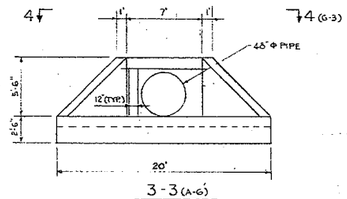
5-5 (G-7)
SCALE: 1"=5'



4-4 (G-4)
SCALE: 1"=5'

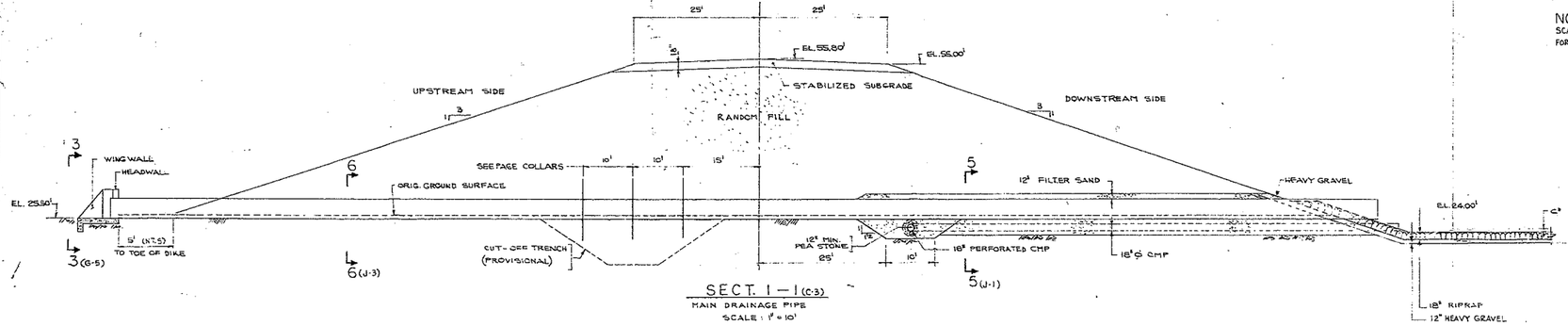


6-6 (B-6)
SCALE: 1"=5'

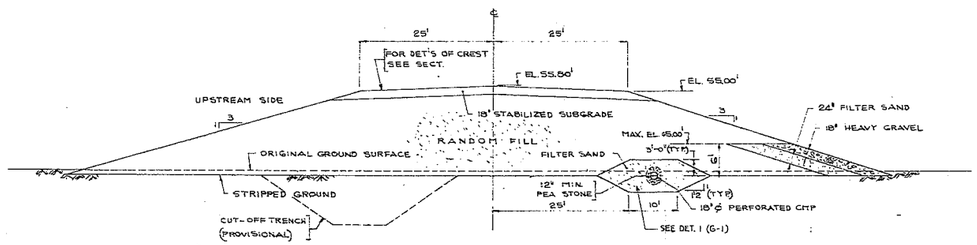


3-3 (A-6)
SCALE: 1"=5'

NOTES:
SCALE: AS NOTED
FOR LOCATION OF DIKE SEE FY-3G & FY-3J.



SECT. 1—1 (C-3)
MAIN DRAINAGE PIPE
SCALE: 1"=10'



2—2 (D-2)
TYPICAL DIKE SECTION
SCALE: 1"=10'

APPROVED _____
REGISTERED PROFESSIONAL ENGINEER, NO.
STATE OF GEORGIA

ASH POND DIKES-PLAN & SECTIONS

UNIT 1 — EFFINGHAM STATION
SAVANNAH ELECTRIC AND POWER CO.
SAVANNAH, GEORGIA
STONE & WEBSTER ENGINEERING CORPORATION
BOSTON, MASS.
DRAWING NUMBER 11940-FY-11A-1

ISSUE	DESCRIPTION	CHK'D	CORR	APPR	DATE
1	ORIGINAL ISSUE FOR BIDS ONLY				

	ARCH.	CONC.	STEEL	MECH.	INST.	VESSEL	HGR.	STRESS	B.S.	ELEC.	LTG.
5											
4											
3											
2											
1											

Designed by C. MARINESCU Drawn by
Des. Chk'd by Chk'd by

01:01:37 PM 6/21/2004 JLGALT