CLOSURE DRAWINGS

PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4)
DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW

FLOYD COUNTY, GEORGIA

PREPARED FOR

GEORGIA POWER

PREPARED BY

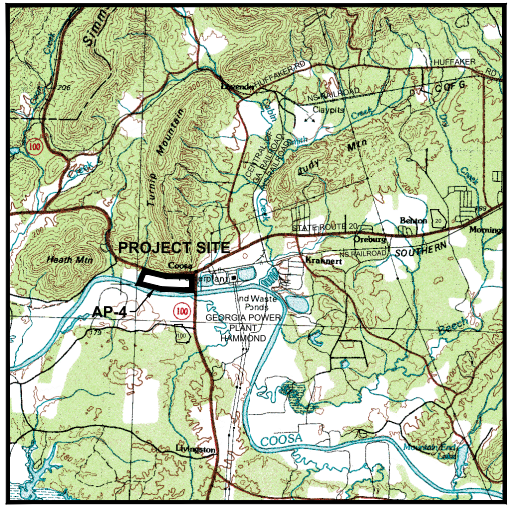
Stantec

DRAWING INDEX

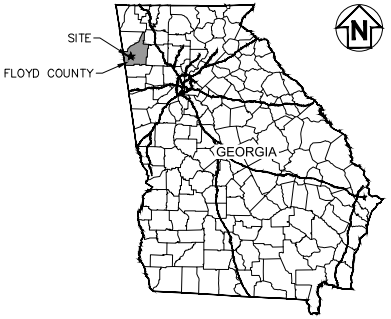
SH#	DWG#	REV#	TITLE
1	–	2	COVER DRAWING
2	–	0	GENERAL NOTES
3	–	0	EXISTING CONDITIONS
3A	–	0	INTERIM CAP IMPROVEMENT PLAN
4	–	0	EXCAVATION PLAN
5	–	1	FINAL GRADE PLAN
6	–	1	EROSION CONTROL PLAN
7	–	1	BASELINE PROFILE
8–9	–	1	CROSS SECTIONS
10–11	–	1	DETAILS
12	–	2	COMPLIANCE MONITORING NETWORK
P467(4)	–	0	PLANT HAMMOND ASH POND 4 PERMITTED SITE BOUNDARY
1 OF 1	–	3	ENVIRONMENTAL MONITORING PLAN

RESPONSIBLE OFFICIAL
GENERAL MANAGER
GEORGIA POWER ENVIRONMENTAL AFFAIRS
241 RALPH MCGILL BLVD NE
ATLANTA, GEORGIA 30308
404–506–6505

PROPERTY OWNER
GEORGIA POWER COMPANY
241 RALPH MCGILL BLVD.
ATLANTA, GEORGIA 30308



SITE LOCATION MAP
SCALE: 1"=5000'



LOCATION MAP
NOT TO SCALE

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

GEORGIA REGISTERED No. PEO54791 PROFESSIONAL ENGINEER MATTHEW C. VAUGHN 7/22/2025

REV	DATE	DESCRIPTION	DRWN	CHKD
2	07/2025	ADDED REVISION TO DRAWING INDEX	JM	MV
1	03/2023	ADDED SHEET	JM	JK
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

COVER SHEET

CLOSURE DRAWINGS
FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com

Stantec

PROJ. NO.	175578626	DWG. 01_18707-001-CVR_R2	EDIT JULY 2025
SCALE	AS SHOWN	SHEET 1 OF 12	
DATE	APRIL 2020		

ABBREVIATIONS:

A.S.T.M. AMERICAN SOCIETY OF TESTING MATERIALS
A.A.S.H.T.O. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
B.C.C.M. BITUMINOUS COATED CORRUGATED METAL PIPE
BMP'S BEST MANAGEMENT PRACTICES
BOT. BOTTOM
B.O.P. BOTTOM OF PIPE
C/C CENTER TO CENTER
C.F. CUBIC FEET
℄ CENTERLINE
CM. CENTIMETER
Cl. CLASS (OF PIPE)
CLR. CLEAR
CONC. CONCRETE
CONT. CONTINUOUS
C.M.P. CORRUGATED METAL PIPE
C.P.V.C. CORRUGATED POLYVINYL CHLORIDE PIPE
X-SLOPE CROSS SLOPE
C & G CURB & GUTTER
D.I. DROP INLET
DIA. DIAMETER
DT. DITCH
DR. DIMENSION RATIO
DWG. DRAWING
e DISTANCE FROM P.V.I. TO V.C. @ P.V.I.
D.I.P. DUCTILE IRON PIPE
D.O.T. DEPARTMENT OF TRANSPORTATION
E.W. EACH WAY
E.O.P. EDGE OF PAVEMENT
EL. ELEVATION
F/C FACE OF CURB
F.F. FINISH FLOOR
F.E.S. FLARED END SECTION
F.B. FLAT BOTTOM DITCH
F.H. FIRE HYDRANT
FT. FEET
G.C.M.P. GALVANIZED CORRUGATED METAL PIPE
GCL GEOSYNTHETIC CLAY LAYER
GPC, GPCO. GEORGIA POWER COMPANY
GR. GRADE
GRD. BRK. GRADE BREAK
G.A.B. GRADED AGGREGATE BASE
G.I. GRATE INLET
H.D.P.E. HIGH DENSITY POLYETHYLENE PIPE
H.P. HIGH POINT
I.E. INVERT ELEVATION
J.B. JUNCTION BOX
K PERMEABILITY
L.C.R.S. LEACHATE COLLECTION & RECOVERY SYSTEM
L.O.D. LIMITS OF DISTURBANCE
LB. POUND
L.F. LINEAR FEET
N.T.S. NOT TO SCALE
L.P. LOW POINT
M.H. MANHOLE
MAX. MAXIMUM
MIN. MINIMUM
O.C. ON CENTER
O.D. OUTSIDE DIAMETER
O.F.B. OUTSIDE FACE OF BUILDING
OZ. OUNCE
PVD PAVED
PERF. PERFORATED
P.I. POINT OF INTERSECTION
P.I.V. POST INDICATOR VALVE
P.C. POINT OF CURVE
P.S. POINT OF SWITCH
P.S.I. POUND PER SQUARE INCH
P.T. POINT OF TANGENT
P.V.I. POINT OF VERTICAL INTERSECTION
P.V.C. POINT OF VERTICAL CURVE
P.V.T. POINT OF VERTICAL TANGENT
P.V.C. POLYVINYL CHLORIDE PIPE
P.S.I. POUNDS PER SQUARE INCH
P.S.F. POUNDS PER SQUARE FOOT
P.P. POWER POLE
R.O.W. RIGHT OF WAY
PCM PROJECT CONSTRUCTION MANAGER
P PROPERTY LINE
R RADIUS
R.C.A.P. REINFORCED CONCRETE ARCH PIPE
R.C.P. REINFORCED CONCRETE PIPE
REF. REFERENCE
REQ'D. REQUIRED
REV. REVISION
RD. ROAD
SCH. SCHEDULE
SHLD. SHOULDER
SHT. SHEET
S.S. SIDE SLOPE
SQ. SQUARE
STD. STANDARD
T & B TOP AND BOTTOM
T/C TOP OF CURB
T.O.P. TOP OF PIPE
T/R TOP OF RAIL
TYP. TYPICAL
V.G. VALLEY GUTTER
V.C. VERTICAL CURVE
W/ WITH
W.P. WORK POINT

GENERAL NOTES

1. PROJECT GRID IS GEORGIA STATE PLANE GRID, NAD 83, WEST ZONE.
2. ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.' STORMWATER CONTROLS AND BEST MANAGEMENT PRACTICES SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT AND/OR THE FACILITY'S NPDES INDUSTRIAL WASTEWATER DISCHARGE INDIVIDUAL PERMIT.
3. STORM WATER DISCHARGES ASSOCIATED WITH ASH POND CLOSURE ACTIVITIES WILL BE COVERED UNDER THE APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT AND/OR THE FACILITY'S NPDES INDUSTRIAL WASTEWATER DISCHARGE INDIVIDUAL PERMIT.
4. STATE WATERS BUFFERS SHALL REMAIN UNDISTURBED, EXCEPT WHERE ENCROACHMENT IS REQUIRED TO FACILITATE ASH POND CLOSURE ACTIVITIES. UNLESS OTHERWISE EXEMPTED BY THE APPROPRIATE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, A STATE WATERS BUFFER VARIANCE SHALL BE OBTAINED FROM GEORGIA EPD'S WATERSHED PROTECTION BRANCH PRIOR TO BUFFER ENCROACHMENT. GEORGIA EPD'S SOLID WASTE MANAGEMENT BRANCH SHALL BE NOTIFIED WHEN GPC ENVIRONMENTAL AFFAIRS APPLIES FOR A STATE WATERS BUFFER VARIANCE. CONTACT GPC ENVIRONMENTAL AFFAIRS FOR ASSISTANCE.
5. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES FOR THIS PROJECT, THE PERMITTED BOUNDARY, THE LIMITS OF DISTURBANCE AND ALL WETLANDS AND STATE WATERS BUFFERS WITHIN 200 FEET OF THE LIMITS OF DISTURBANCE OR WITHIN THE PROPERTY BOUNDARY (WHICHEVER IS CLOSER) SHALL BE CLEARLY FLAGGED AND STAKED. THESE MARKINGS SHALL BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION / CLOSURE ACTIVITIES. SHOULD ANY OF THE MARKINGS BE DISTURBED, THE CONTRACTOR SHALL NOTIFY GEORGIA POWER COMPANY IMMEDIATELY. ALL CONSTRUCTION PERSONNEL SHALL BE SHOWN THE LOCATION OF THE LIMITS OF DISTURBANCE, STATE WATER BUFFERS, STATE WATERS AND WETLANDS OUTSIDE THE LIMITS OF DISTURBANCE TO PREVENT HEAVY EQUIPMENT ENCROACHMENT INTO THESE AREAS.
6. THE GRADE CONTOURS SHOWN IN THE ASH POND, AGGREGATE ROADS, DITCHES, AND AT EXTERIOR SLOPES ARE FINAL GRADE ELEVATIONS. APPROPRIATE SOIL, CLAY, ROCK, ETC. THICKNESSES SHALL BE APPLIED TO CALCULATE SUBGRADE ELEVATIONS.
7. GPC SHALL PROVIDE DESIGNATED ACCESS ROUTE/DIRECTIONS ACROSS THE PLANT PROPERTY.
8. EXISTING ACCESS AND PLANT ROADS SHALL BE MAINTAINED AND REPAIRED AS NECESSARY DURING CONSTRUCTION.
9. ALL DEWATERING, SURFACE WATER RUNOFF CONTROL, PROVISIONS FOR DRAINAGE FOR EXCAVATIONS, AND FOR THE PLACEMENT OF MATERIALS SHALL BE PLANNED AND OPERATED BASED ON CONSTRUCTION NEEDS.
10. ALL WORK SHALL BE IN COMPLIANCE WITH CURRENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS. ALL SHORING/CRIBBING REQUIRED FOR INSTALLATION OF PIPES AND APPURTENANCES INCLUDING ANY DEEP EXCAVATIONS REQUIRE AN ENGINEER'S DESIGN.
11. STAGING AREAS AND EQUIPMENT MAINTENANCE AREAS SHALL BE LOCATED AT LEAST 200 FEET FROM STREAM BANKS TO MINIMIZE THE POTENTIAL FOR WASH WATER, PETROLEUM PRODUCTS, OR OTHER CONTAMINANTS FROM CONSTRUCTION EQUIPMENT ENTERING THE STREAMS.
12. CONSTRUCTION DEBRIS, FLOWABLE FILL, OLD SUPPORT MATERIALS OR OTHER REFUSE SHALL NOT BE PLACED IN STREAMS OR IN AREAS WHERE MIGRATION INTO STREAMS AND/OR WETLANDS COULD REASONABLY BE EXPECTED.
13. THE CLEAN-UP OF ALL ON-SITE DITCHES, PIPES, MANHOLES, INLETS, ETC. THAT RECEIVE STORMWATER RUNOFF FROM SITE CONSTRUCTION ACTIVITIES SHALL BE PERFORMED.
14. THE CCR REMOVAL STRATEGY IS PROVIDED IN THE CQA PLAN.
15. THE EXCAVATION SEQUENCING PLAN IS PROVIDED IN THE CLOSURE PLAN.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

GEORGIA REGISTERED NO. 029822 PROFESSIONAL ENGINEER JOHN A. SPARKMAN 10-16-18

GENERAL NOTES

CLOSURE DRAWINGS

FOR

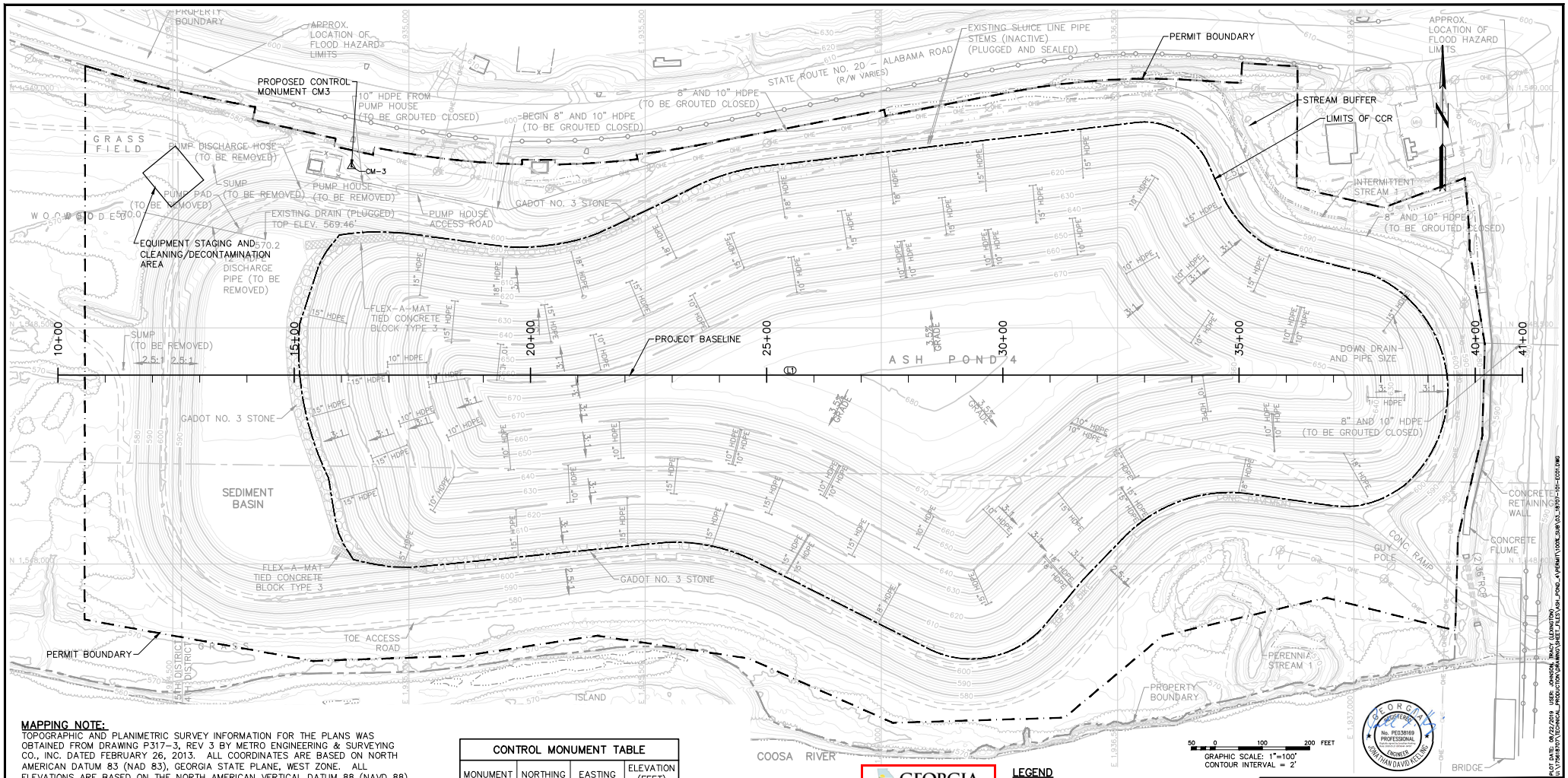
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com

Stantec

PROJ. NO.	175618707	DWG. 18707-002-GN1	EDIT MM/DD/YY
SCALE	AS SHOWN	SHEET 2 OF 12	
DATE	NOVEMBER 2018		

PLOT DATE: 11/08/2018 USER: CHAMBERS, SONIA
\\US1243-FS1\SHARED_PROJECTS\175618707\TECHNICAL_PRODUCTION\DRAWING\SHEET_FILES\GSP_POND_4\FINAL*.DGN, SUB\18707-002-GN1.DWG



MAPPING NOTE:
TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTES:
1. LIMITS OF CCR BASED ON AS-BUILT SURVEY INFORMATION FROM DRAWING NO. H-11561, TYPICAL POTENTIOMETRIC SURFACE FEBRUARY 2013 FROM THE AP-4 GROUND WATER AND SURFACE WATER MONITORING PLAN. THE LIMIT OF CCR WILL BE VERIFIED DURING CONSTRUCTION.
2. EXISTING DOWN DRAIN PIPES, PERIMETER DITCH LINING, AND FLUMES SHALL BE DEMOLISHED DURING CLOSURE-BY-REMOVAL CONSTRUCTION. OTHER FEATURES TO BE CLOSED OR REMOVED AS NOTED.
3. GPC IS REMOVING THE CCR MATERIAL FROM THIS UNIT. FUTURE STAGING AND LOADING AREAS WILL BE CONSTRUCTED AS PART OF THE REMOVAL PROCESS. THE STAGING AREA SHOWN IS SUBJECT TO RELOCATION DURING FINAL DESIGN.

CONTROL MONUMENT TABLE

MONUMENT	NORTHING	EASTING	ELEVATION (FEET)
CM-3	1,548,841.86	1,934,878.26	588.00

TABLE OF PROJECT BASELINE COORDINATES

NUMBER	BEGIN STATION	NORTHING	EASTING	LENGTH	BEARING	END STATION	NORTHING	EASTING
L1	10+00.00	1,548,399.91	1,934,257.13	3100.00'	N90°00'00"E	41+00.00	1,548,399.91	1,937,357.13

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

LEGEND
- 500 — EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- FENCE
- OHE — OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- STREAM BUFFER
- GUARDRAIL
- LIMITS OF CCR

50 0 100 200 FEET
GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL = 2'

GEORGIA REGISTERED No. PE038169 PROFESSIONAL ENGINEER JONATHAN DAVID KELLING

EXISTING CONDITIONS

CLOSURE DRAWINGS

FOR

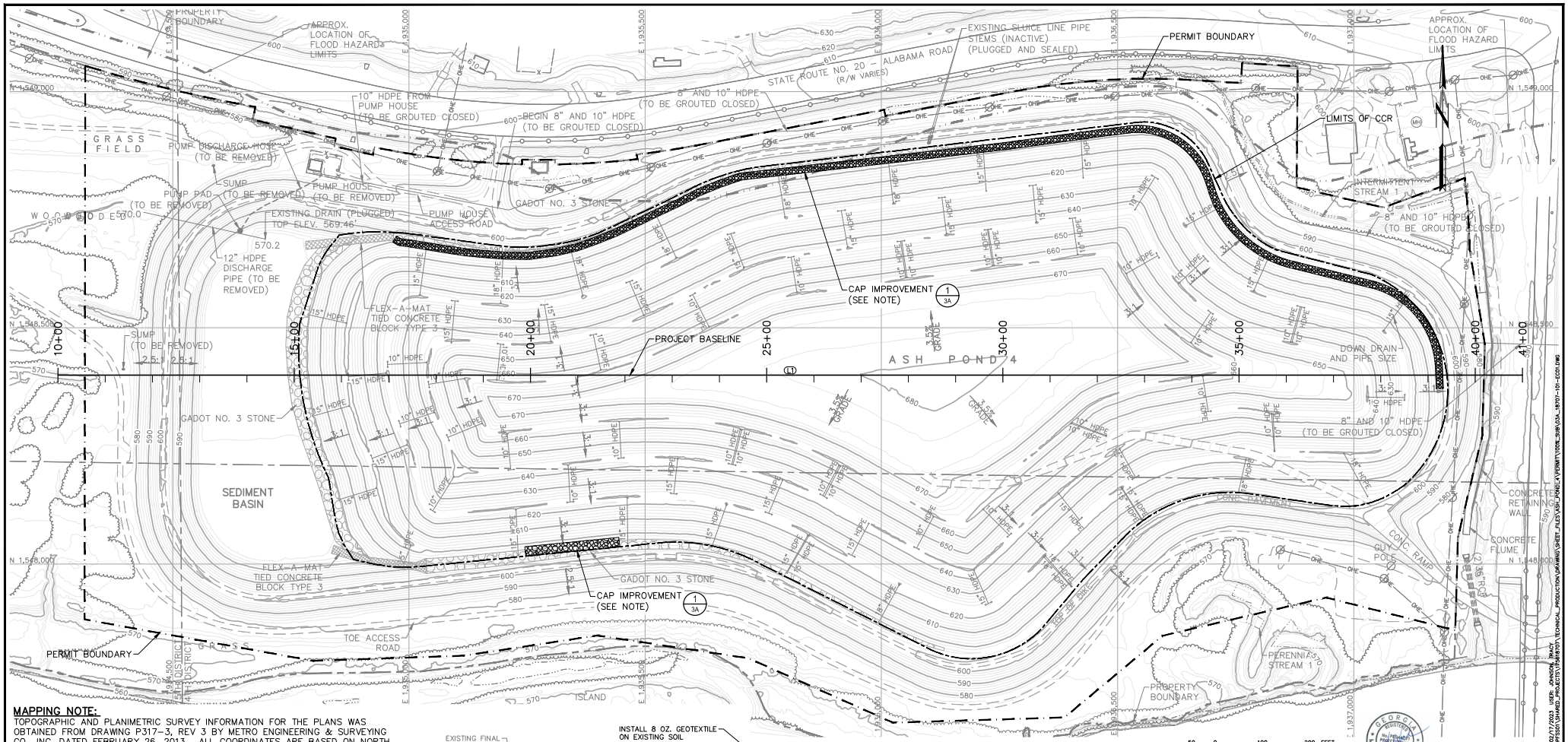
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com

Stantec

PROJ. NO.	175618707	DWG.	03_18707-101-EC01
SCALE	1"=100'	EDIT	04/03/20
DATE	APRIL 2020	SHEET	3 OF 12

PLOT DATE: 09/22/2019 USER: JOHNSON, TRACY (LEXINGTON)
U:\175618707\TECHNICAL_PRODUCTION\DRAWINGS\SHEET_FILES\03_18707-101-EC01.DWG

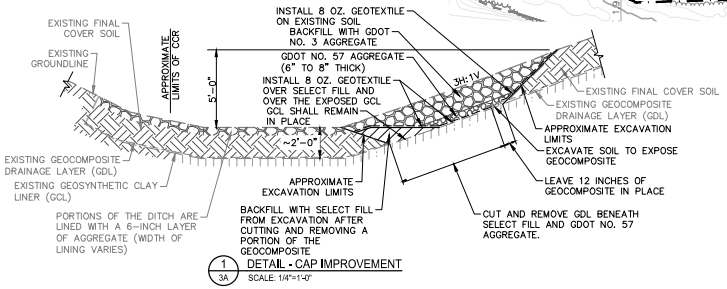


GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL = 2'

MAPPING NOTE:
TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:
THE INTERIM CAP IMPROVEMENTS SHOWN ARE BEING IMPLEMENTED IN THE FIELD AS NECESSARY TO IMPROVE CAP RESILIENCE PRIOR TO CLOSURE. THIS CAP IMPROVEMENT MAY BE IMPLEMENTED IN OTHER AREAS AS NEEDED BASED ON SITE CONDITIONS.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love



1 / 3A DETAIL - CAP IMPROVEMENT
SCALE: 1/4"=1'-0"

LEGEND

- 500 — EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- FENCE
- OHE — OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- GUARDRAIL
- LIMITS OF CCR

INTERIM CAP IMPROVEMENT PLAN

CLOSURE DRAWINGS

FOR

PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175618707	DWG.	03A_18707-101-EC01
SCALE	1"=100'	EDIT	MM/DD/YY
DATE	FEBRUARY 2023	SHEET	3A OF 12

PLOT DATE: 02/17/2023 USER: JOHNSON, IMACY
\\SB0244-FPFSS01\SHARED_PROJECTS\175618707\TECHNICAL_PRODUCTION\DRAWINGS\SHEET_FILES\CAD_FILES\175618707_03A_INTERIM CAP IMPROVEMENT PLAN.DWG

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

GEORGIA
No. PE038169
PROFESSIONAL
ENGINEER
JONATHAN DAVID KELLING

LEGEND

- 500 — EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- x — FENCE
- OHE — OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- STREAM BUFFER
- GUARDRAIL
- LIMITS OF CCR
- 500 — PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR

NOTES:

1. THE PROPOSED CONTOURS SHOWN CORRESPOND TO THE BOTTOM OF ASH AS SHOWN ON DRAWING H-267, ASH POND NO. 4 LAYOUT DATED AUGUST, 1986.
2. THE PROPOSED CONTOURS SHOWN ARE SUBJECT TO CHANGE BASED ON CONDITIONS ENCOUNTERED IN THE FIELD.
3. DEWATERING OR MOISTURE CONDITIONING OF ASH MATERIAL AS DISCUSSED IN THE CLOSURE PLAN SHALL BE PERFORMED WITHIN THE CURRENT AP-4 CCR LIMITS AS NEEDED.
4. STORMWATER AND CONTACT WATER SHALL BE PUMPED FROM THE FUTURE SUMPS TO THE NPDES TREATMENT SYSTEM.
5. THE SURFACE SHOWN IS THE CCR/SOIL INTERFACE DESCRIBED IN THE CCR REMOVAL VERIFICATION PROTOCOL IN THE CQA PLAN.

MAPPING NOTE:

TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

SECTION OR DETAIL NO.
SHEET WHERE SHOWN
REFERENCE KEY

50 0 100 200 FEET
GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL = 2'

EXCAVATION PLAN

CLOSURE DRAWINGS

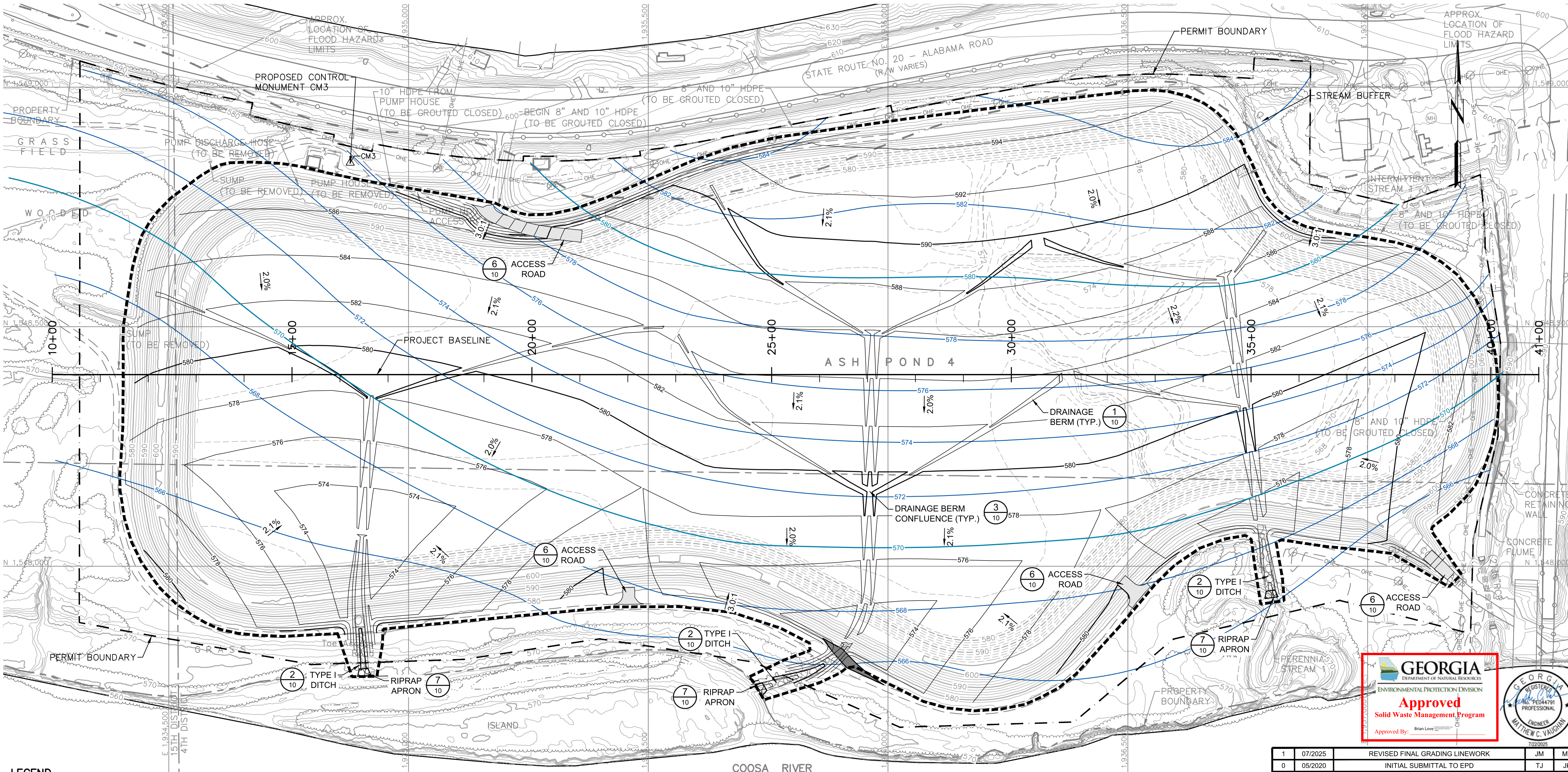
FOR

PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175618707	DWG. 04_18707-102-EX01	EDIT 04/03/20
SCALE	1"=100'	SHEET 4 OF 12	
DATE	APRIL 2020		

PLOT DATE: 06/22/2019 USER: SHELTON, BEN
\\SBG24-FPFS01\SHARED_PROJECTS\175618707\TECHNICAL_PRODUCTION\DRAWING SHEET_FILES\AP4_POND_4\VERMT\V1006_SURF.DA_18707-102-EX01.DWG



LEGEND

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- FENCE
- OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- STREAM BUFFER
- GUARDRAIL
- EXCAVATION INDEX CONTOUR
- EXCAVATION INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF CONSTRUCTION
- PRPOSED CONTROL MONUMENT
- AUGUST 2022 GROUNDWATER INDEX CONTOUR
- AUGUST 2022 GROUNDWATER INTERMEDIATE CONTOUR

MAPPING NOTE:

TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTES:

1. SOIL EXCAVATED FROM THE PERIMETER DIKE CREST AND BREACHES MAY BE PLACED WITHIN THE INTERIOR TO THE PROPOSED LINES AND GRADES SHOWN.
2. THE PERIMETER DIKE BREACHES SHALL NOT BE EXCAVATED (AND PUMPING FROM THE SUMPS SHALL CONTINUE) UNTIL VEGETATION HAS BEEN ESTABLISHED ON THE FINAL GRADE SURFACE AND APPROVAL OBTAINED FROM THE OWNER OR THEIR REPRESENTATIVE.
3. PROPOSED GRADES SHOWN SHALL BE CONSIDERED THE MINIMUM TO ACHIEVE POSITIVE DRAINAGE WHILE MAINTAINING A MINIMUM 2-FOOT SEPARATION FROM THE SEASONAL HIGH POTENTIOMETRIC SURFACE. GEORGIA POWER COMPANY MAY ELECT TO CHANGE THE FILL VOLUME DURING THE CLOSURE PROCESS, AND MAY SUBMIT A PLAN FOR EPD APPROVAL IF A 2-FOOT SEPARATION IS NOT ACHIEVED. ANY CHANGES IN BASE GRADES WILL BE CAPTURED IN AS-BUILT SURVEYS. ILLUSTRATED ARE THE AUGUST 2022 SEASONAL HIGH POTENTIOMETRIC SURFACE CONTOURS AS PROVIDED BY GEOSYNTEC CONSULTANTS, INC. IN FIGURE 3 OF THE "2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT" FOR PLANT HAMMOND ASH POND 4 (AP-4) DATED JULY 2023.
4. THE PROPOSED CONTROL MONUMENT MAY BE RELOCATED DURING FINAL DESIGN.

SECTION OR DETAIL NO.

SHEET WHERE SHOWN

REFERENCE KEY

50 0 100 200 FEET

GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL = 2'

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	REVISED FINAL GRADING LINEWORK	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

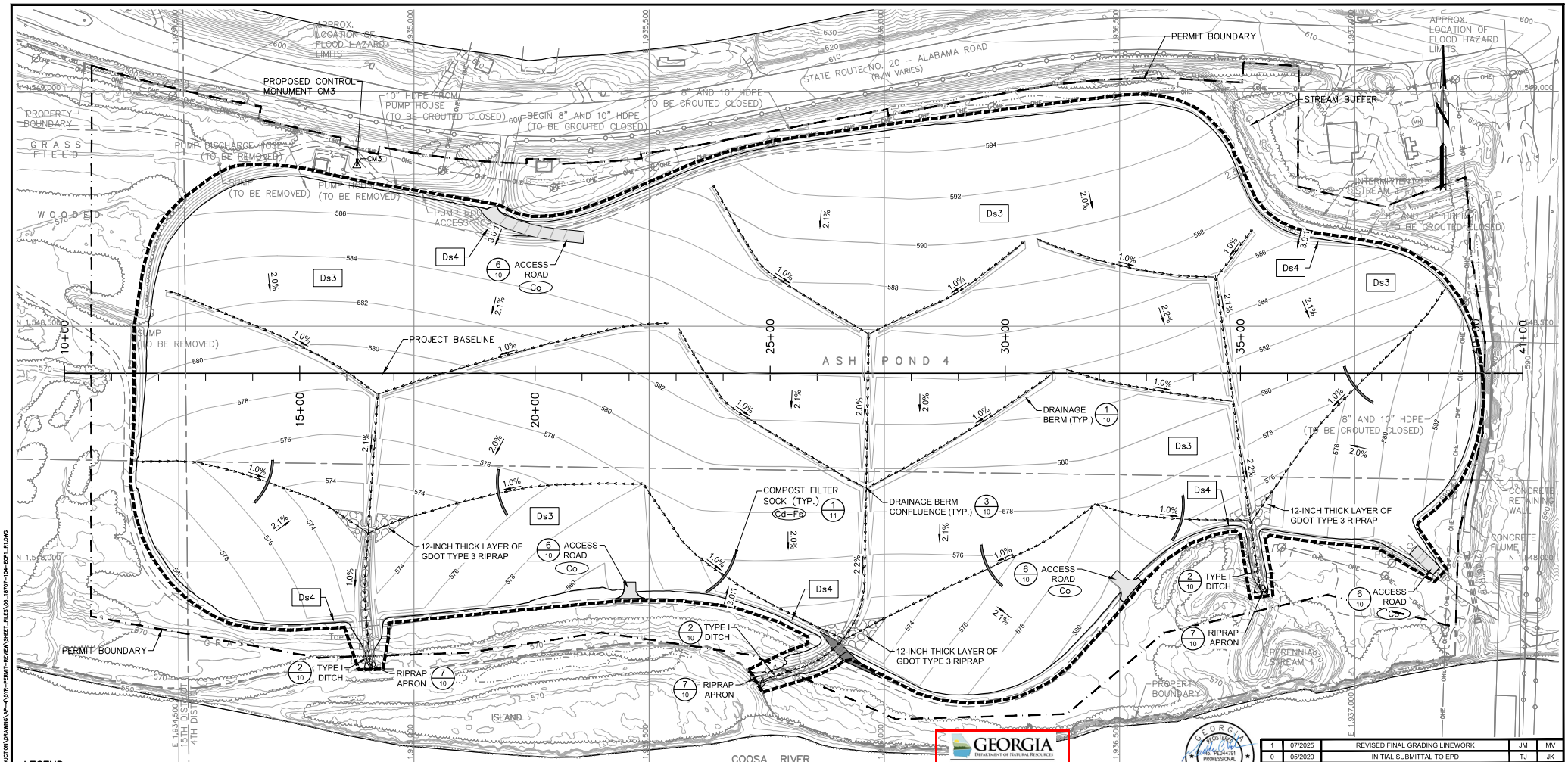
FINAL GRADE PLAN

CLOSURE DRAWINGS
FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

Stantec
1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com

PROJ. NO.	175578626	DWG. 05_18707-103-FG01_R1	EDIT JULY 2025
SCALE	1"=100'	SHEET 5 OF 12	
DATE	APRIL 2020		

PLOT DATE: 07/22/2025 USER: MCKINNEY, JIMMY \\US0243-PPFSS01\SHARED_PROJECTS\175578626\TECHNICAL_PRODUCTION\DRAWING\AP-4\5YR-PERMIT-REVIEW\SHEET_FILES\05_18707-103-FG01_R1.DWG



LEGEND

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- FENCE
- OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- STREAM BUFFER
- GUARDRAIL
- SILT FENCE
- COMPOSITE FILTER SOCK
- FLOW DIRECTION

- Ds3 — DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
- Ds4 — DISTURBED AREA STABILIZATION (WITH SODDING STAKED)
- Cd–Fs — COMPOST FILTER SOCK
- Ch — CHANNEL STABILIZATION
- Co — CONSTRUCTION EXIT
- Sd1–S — SILT FENCE
- St — STORM DRAIN OUTLET PROTECTION

MAPPING NOTE:
TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:
THE EROSION CONTROL PLAN MEASURES SHOWN SHALL BE CONSIDERED THE MINIMUM; SUPPLEMENTAL MEASURES SHALL BE PROVIDED AS FIELD CONDITIONS DICTATE OR AS DIRECTED BY THE ENGINEER, OWNER, OR ANY REGULATORY AUTHORITY.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love
7/22/2025

SECTION OR DETAIL NO.
SHEET WHERE SHOWN
REFERENCE KEY

GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL = 2'

GEORGIA REGISTERED PROFESSIONAL ENGINEER
MATTHEW C. VAUGHAN
PE034791
7/22/2025

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	REVISED FINAL GRADING LINEWORK	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

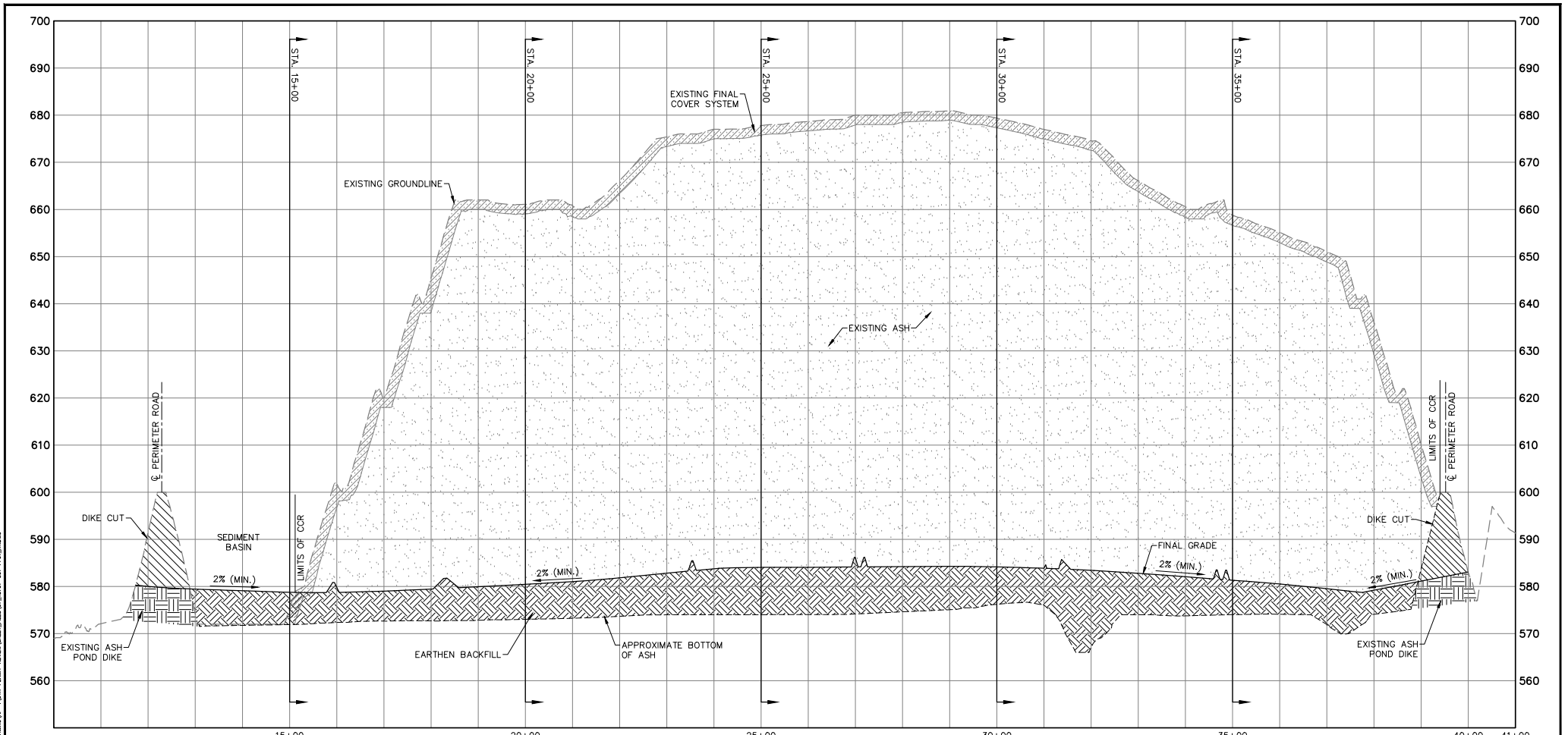
EROSION CONTROL PLAN

CLOSURE DRAWINGS

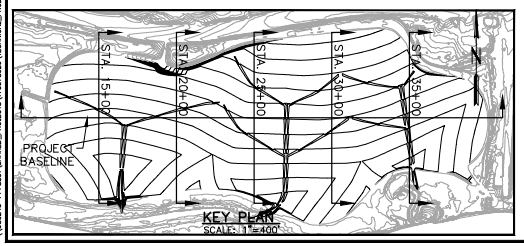
FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175578626	DWG.	06_18707-104-ECP1_R1
SCALE	1"=100'	EDIT	JULY 2025
DATE	APRIL 2020	SHEET	6 OF 12



PROFILE – PROJECT BASELINE
SCALE: 1"=100' (HORIZONTAL)
1"=10' (VERTICAL)



KEY PLAN
SCALE: 1"=400'

NOTE:
THE EXCAVATION OF CCR MATERIALS SHALL INCLUDE THE CONSTRUCTION OF TEMPORARY SUMPS THAT ARE INCREMENTALLY LOWERED, ALONG WITH THE SURROUNDING GRADES TO PROMOTE POSITIVE DRAINAGE TOWARDS THE SUMPS, AS NEEDED TO MAINTAIN A DEWATERED CONDITION AND STABLE SURFACE TO FACILITATE EXCAVATION. ALTERNATIVE MEANS AND METHODS FOR CCR EXCAVATION (INCLUDING BUT NOT LIMITED TO THE USE OF DRAINAGE BERMS, FLUMES, DOWNDRAIN PIPES, ETC.) MAY BE CONSIDERED PRIOR TO COMMENCING CONSTRUCTION ACTITIVIES.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Lowe

GEORGIA REGISTERED No. PE044791 PROFESSIONAL ENGINEER MATTHEW C. VAUGHN 7/22/2025

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	REVISED FINAL GRADING LINEWORK	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

BASELINE PROFILE

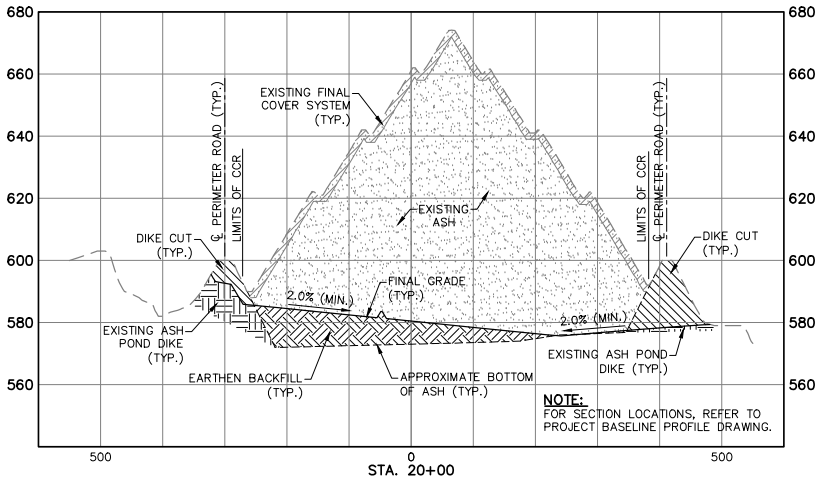
CLOSURE DRAWINGS

FOR

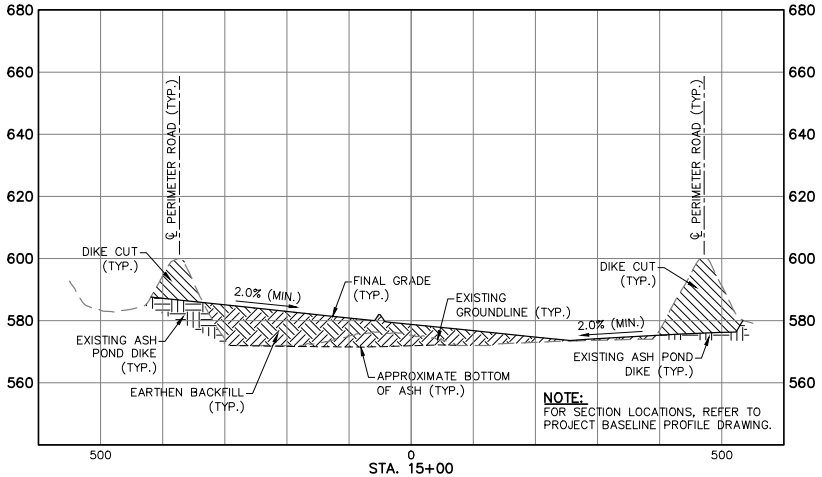
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

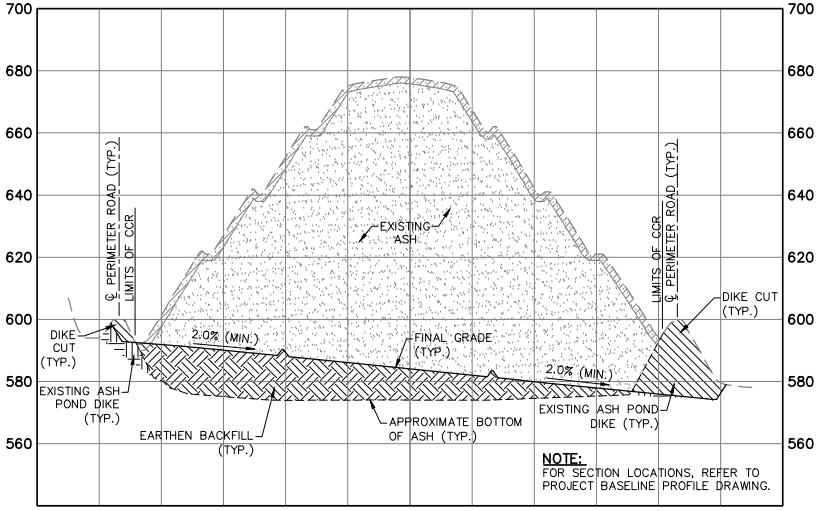
PROJ. NO.	175578626	DWG. 07_18707-301-PF01_R1	EDIT JULY 2025
SCALE	AS SHOWN	SHEET 7 OF 12	
DATE	APRIL 2020		



STA. 20+00

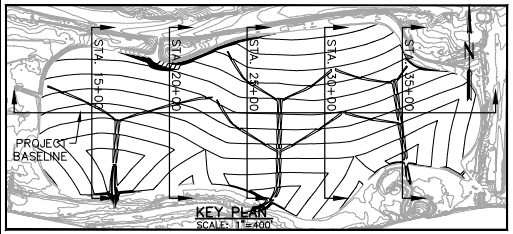


STA. 15+00



STA. 25+00

CROSS SECTIONS
SCALE: 1"=100' (HORIZONTAL)
1=20' (VERTICAL)



KEY PLAN
SCALE: 1"=400'

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Loop

NOTE:
THE EXCAVATION OF CCR MATERIALS SHALL INCLUDE THE CONSTRUCTION OF TEMPORARY SUMPS THAT ARE INCREMENTALLY LOWERED, ALONG WITH THE SURROUNDING GRADES TO PROMOTE POSITIVE DRAINAGE TOWARDS THE SUMPS, AS NEEDED TO MAINTAIN A DEWATERED CONDITION AND STABLE SURFACE TO FACILITATE EXCAVATION. ALTERNATIVE MEANS AND METHODS FOR CCR EXCAVATION (INCLUDING BUT NOT LIMITED TO THE USE OF DRAINAGE BERMS, FLUMES, DOWNDRAIN PIPES, ETC.) MAY BE CONSIDERED PRIOR TO COMMENCING CONSTRUCTION ACTITIVIES.

SECTION OR DETAIL NO.
SHEET WHERE SHOWN
REFERENCE KEY

GEORGIA REGISTERED No. PE044791 PROFESSIONAL ENGINEER MATTHEW C. VAUGHN 7/22/2025

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	REVISED FINAL GRADING LINEWORK	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

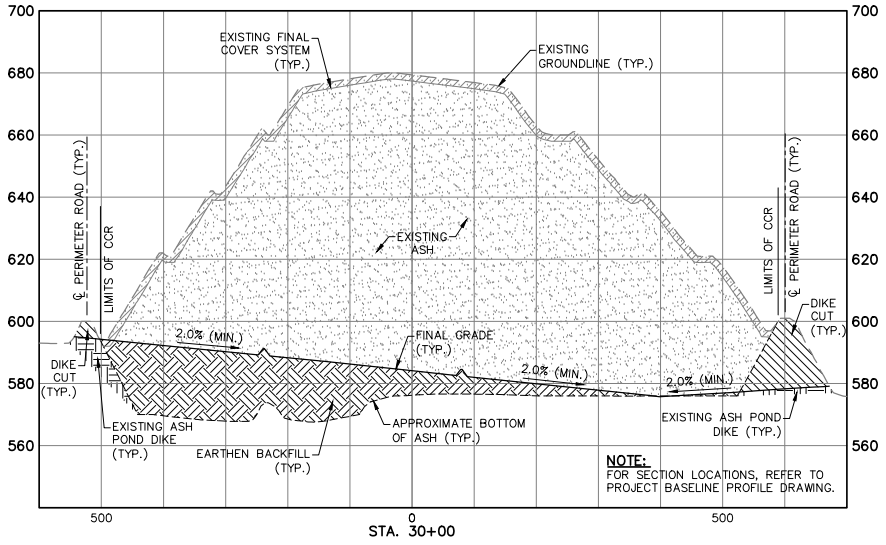
CROSS SECTIONS

CLOSURE DRAWINGS

FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

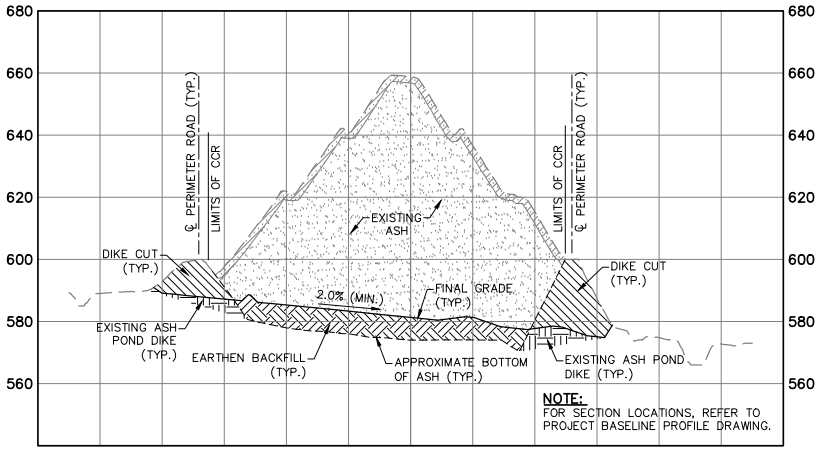
1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175578626	DWG. 08-09_18707-302-X501_R1	EDIT JULY 2025
SCALE	AS SHOWN	SHEET 8 OF 12	
DATE	APRIL 2020		



STA. 30+00

NOTE:
FOR SECTION LOCATIONS, REFER TO PROJECT BASELINE PROFILE DRAWING.

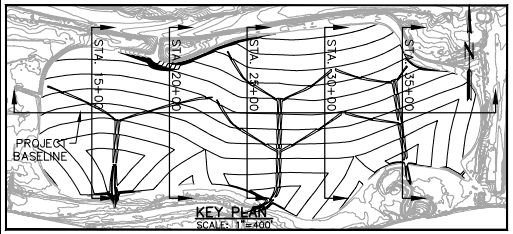


STA. 35+00

NOTE:
FOR SECTION LOCATIONS, REFER TO PROJECT BASELINE PROFILE DRAWING.

CROSS SECTIONS
SCALE: 1"=100' (HORIZONTAL)
1=20' (VERTICAL)

NOTE:
THE EXCAVATION OF CCR MATERIALS SHALL INCLUDE THE CONSTRUCTION OF TEMPORARY SUMPS THAT ARE INCREMENTALLY LOWERED, ALONG WITH THE SURROUNDING GRADES TO PROMOTE POSITIVE DRAINAGE TOWARDS THE SUMPS, AS NEEDED TO MAINTAIN A DEWATERED CONDITION AND STABLE SURFACE TO FACILITATE EXCAVATION. ALTERNATIVE MEANS AND METHODS FOR CCR EXCAVATION (INCLUDING BUT NOT LIMITED TO THE USE OF DRAINAGE BERMS, FLUMES, DOWNDRAIN PIPES, ETC.) MAY BE CONSIDERED PRIOR TO COMMENCING CONSTRUCTION ACTITIVIES.



KEY PLAN
SCALE: 1"=400'

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Lowe

GEORGIA REGISTERED PE No. PE034478 PROFESSIONAL ENGINEER MATTHEW C. VAUGHAN 7/22/2025

SECTION OR DETAIL NO.
SHEET WHERE SHOWN
REFERENCE KEY

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	REVISED FINAL GRADING LINEWORK	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

CROSS SECTIONS

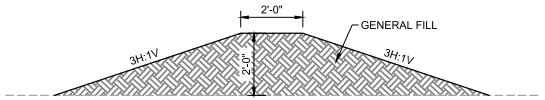
CLOSURE DRAWINGS

FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

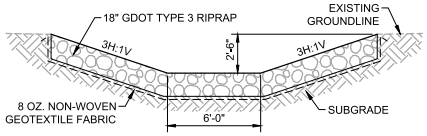
1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com

Stantec

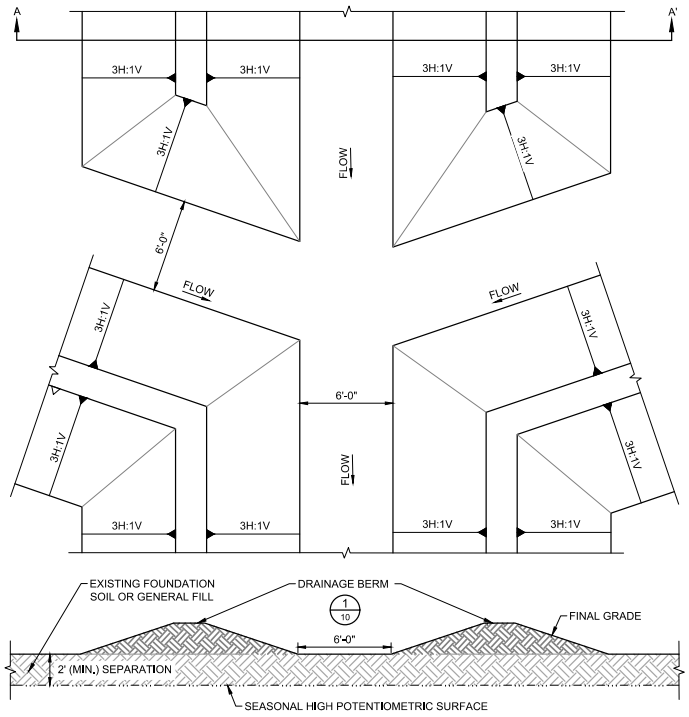
PROJ. NO.	175578626	DWG. 08-09_18707-302-XS01_R1	EDIT JULY 2025
SCALE	AS SHOWN	SHEET 9 OF 12	
DATE	APRIL 2020		



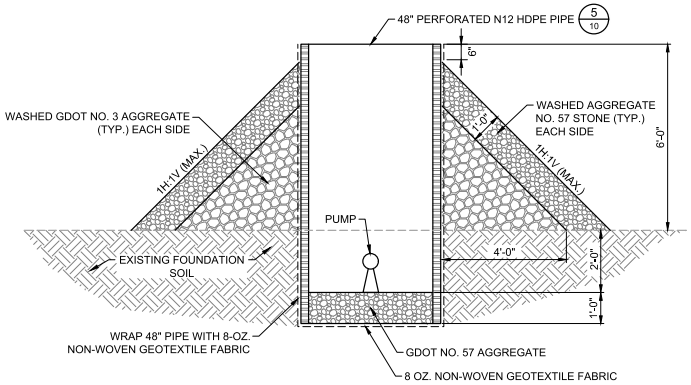
1/10 DETAIL - DRAINAGE BERM
SCALE: 1/2"=1'-0"



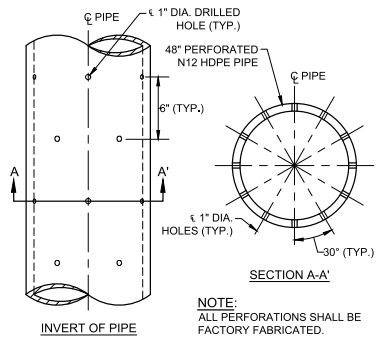
2/10 DETAIL - TYPE I DITCH Ch
SCALE: 1/4"=1'-0"



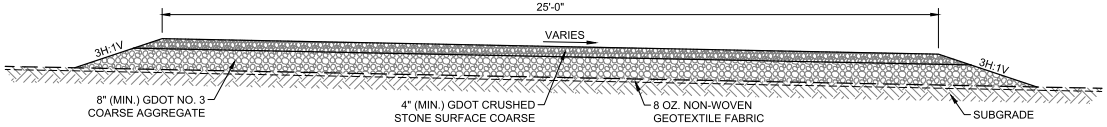
3/10 DETAIL - DRAINAGE BERM CONFLUENCE
SCALE: 1/4"=1'-0"



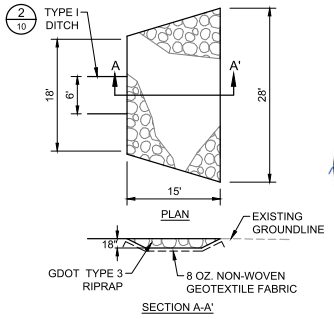
4/10 DETAIL - SUMP
SCALE: 1/2"=1'-0"



5/10 DETAIL - PIPE PERFORATION PATTERN
SCALE: 1/2"=1'-0"



6/10 DETAIL - ACCESS ROAD Co
SCALE: 1/2"=1'-0"



7/10 DETAIL - RIPRAP APRON St
SCALE: 1"=10'

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

SECTION OR DETAIL NO.
SHEET WHERE SHOWN
REFERENCE KEY

GEORGIA REGISTERED No. PE034791 PROFESSIONAL ENGINEER MATTHEW C. VAUGHAN 7/22/2025

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	UPDATED DETAILS	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

DETAILS

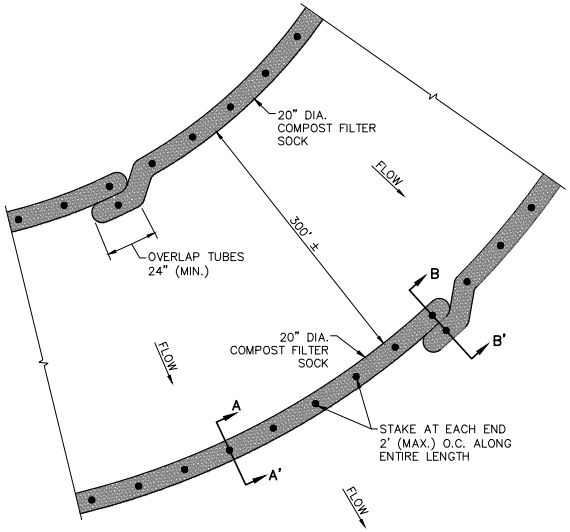
CLOSURE DRAWINGS

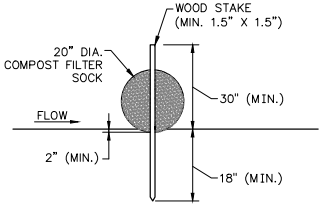
FOR

PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

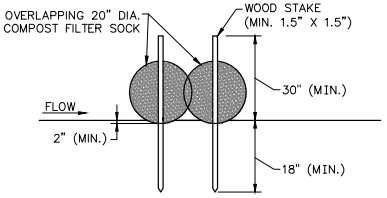
1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175578626	DWG. 10_18707-501-DT1_R1	EDIT JULY 2025
SCALE	AS SHOWN	SHEET 10 OF 12	
DATE	APRIL 2020		





SECTION A–A'



SECTION B–B'

NOTES:

1. COMPOST FILTER SOCKS SHALL BE INSTALLED WITH WOODEN STAKES (MIN. 1.5" X 1.5" ACTUAL). THE STAKE SHALL BE EMBEDDED A MINIMUM OF 18 INCHES.
2. COMPOST FILTER SOCKS SHALL BE TRENCHED IN A MINIMUM OF 2 INCHES.
3. IF MORE THAN ONE COMPOST FILTER SOCK IS PLACED IN A ROW IN SLOPE APPLICATION, THE COMPOST FILTER SOCKS SHALL BE OVERLAPPED A MINIMUM OF 24 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT. WHEN USED IN DITCHES, TWO ROWS OF FILTER SOCKS SHALL BE PLACED ON THE CHANNEL BOTTOM WITH STAGGERED JOINTS AS SHOWN.
4. CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6 BMP STANDARDS AND SPECIFICATIONS FOR GENERAL LAND–DISTURBING ACTIVITIES OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION.

1/11 DETAIL – COMPOST FILTER SOCK (Cd–FS)
NOT TO SCALE
DR–WATLD2WG

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

GEORGIA REGISTERED PE NO. PE044791 PROFESSIONAL ENGINEER MATTHEW C. VAUGHAN
7/22/2025

SECTION OR DETAIL NO.
SHEET WHERE SHOWN
REFERENCE KEY

REV	DATE	DESCRIPTION	DRWN	CHKD
1	07/2025	UPDATED DETAILS	JM	MV
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

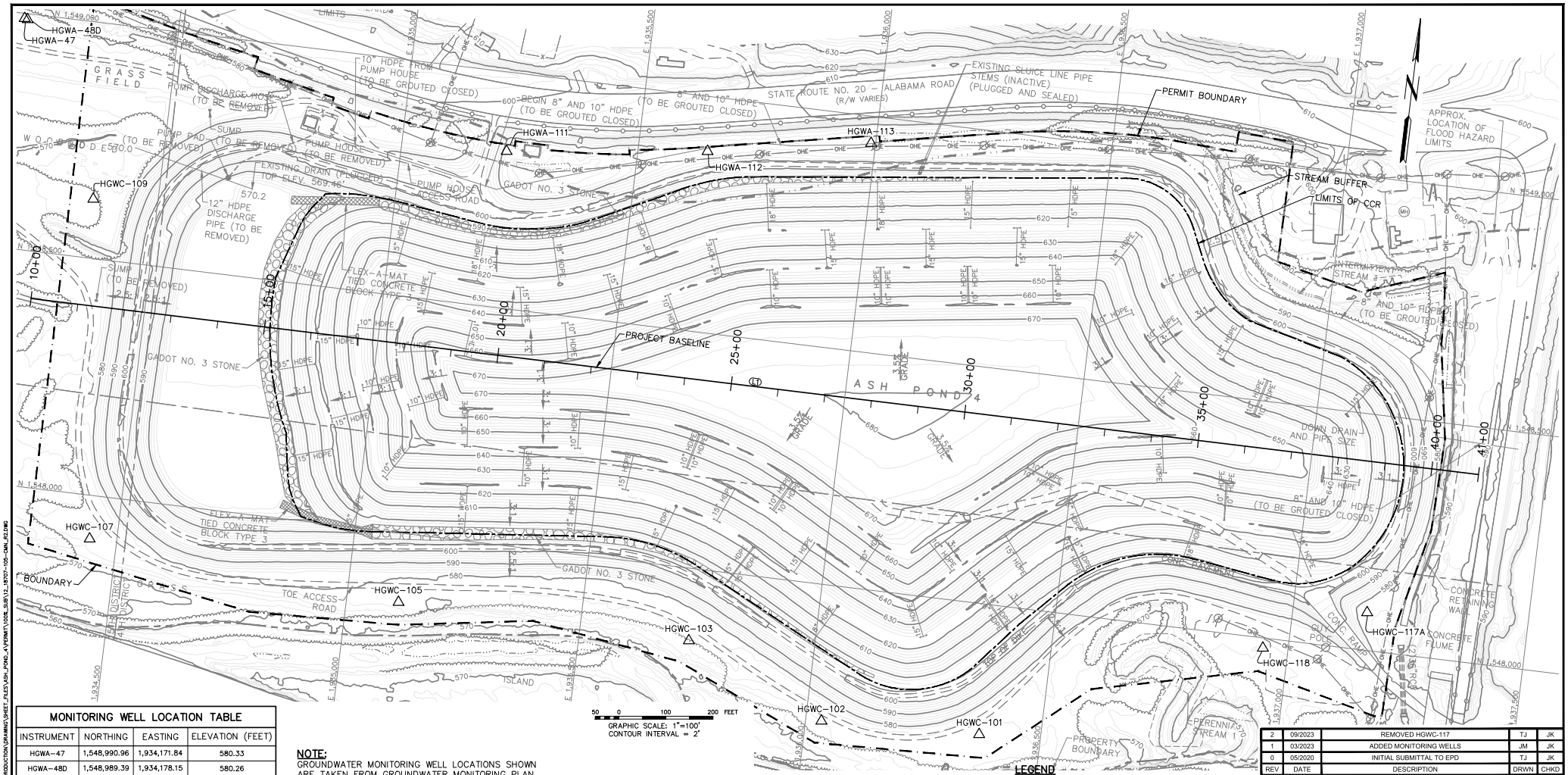
DETAILS

CLOSURE DRAWINGS
FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com

Stantec

PROJ. NO.	175578626	DWG. 11_18707-502-DT2_R1	EDIT JULY 2025
SCALE	AS SHOWN	SHEET 11 OF 12	
DATE	APRIL 2020		



MONITORING WELL LOCATION TABLE

INSTRUMENT	NORTHING	EASTING	ELEVATION (FEET)
HGWA-47	1,548,990.96	1,934,171.84	580.33
HGWA-48D	1,548,989.39	1,934,178.15	580.26
HGWA-111	1,548,834.26	1,935,222.81	591.75
HGWA-112	1,548,885.63	1,935,647.00	596.27
HGWA-113	1,548,944.62	1,935,990.09	594.58
HGWC-101	1,547,725.50	1,936,369.58	578.85
HGWC-102	1,547,713.50	1,936,033.33	577.54
HGWC-103	1,547,848.88	1,935,732.96	580.79
HGWC-105	1,547,855.56	1,935,110.36	582.09
HGWC-107	1,547,909.99	1,934,442.24	579.31
HGWC-109	1,548,627.41	1,934,362.77	576.77
HGWC-117A	1,548,082.04	1,937,157.25	581.76
HGWC-118	1,547,980.56	1,936,946.37	579.02

NOTE:
GROUNDWATER MONITORING WELL LOCATIONS SHOWN ARE TAKEN FROM GROUNDWATER MONITORING PLAN AS SHOWN IN PART "A" OF THE PERMIT APPLICATION.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Mark Wescott P.G. Digitally signed by Mark Wescott P.G. Date: 2023.09.19 08:28:28 -04'00'

TABLE OF PROJECT BASELINE COORDINATES

NUMBER	BEGIN STATION	NORTHING	EASTING	LENGTH	BEARING	END STATION	NORTHING	EASTING
L1	10+00.00	1,548,399.91	1,934,257.13	3100.00'	N90°00'00"E	41+00.00	1,548,399.91	1,937,357.13

MAPPING NOTE:
TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

LEGEND
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- FENCE
- OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- STREAM BUFFER
- GUARDRAIL
- LIMITS OF CCR
- MONITORING WELL

GEORGIA REGISTERED No. PE038166 PROFESSIONAL ENGINEER JONATHAN DAVID KEELING
Digitally signed by Keeling, Jo
Date: 2023.10.16 12:40:45 -04'0

REV	DATE	DESCRIPTION	DRWN	CHKD
2	09/2023	REMOVED HGWC-117	TJ	JK
1	03/2023	ADDED MONITORING WELLS	JM	JK
0	05/2020	INITIAL SUBMITTAL TO EPD	TJ	JK

COMPLIANCE MONITORING NETWORK

CLOSURE DRAWINGS
FOR
PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175618707	DWG. 12_18707-105-CMN_R2	EDIT 09/2023
SCALE	1"=100'	SHEET 12 OF 12	
DATE	APRIL 2020		

NORTH ARROW & PLAT BEARINGS
BASED ON - GEORGIA STATE PLANE
NAD83(2011) WEST

Plant Hammond Ash Pond 4 Call Table

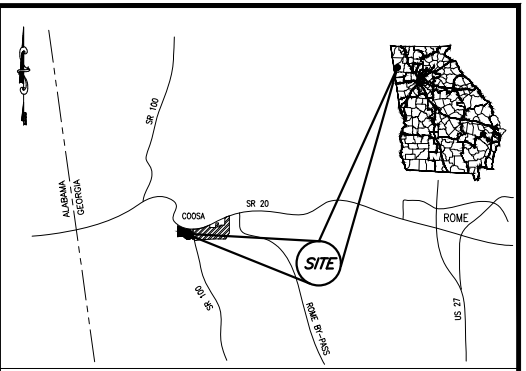
Course	Bearing	Distance	Arc	Radius
1	S 00°28'59" W	255.78'		
2	S 76°52'45" E	188.57'		
3	N 70°08'13" E	183.42'		
4	S 03°53'13" E	152.12'	152.17'	1700.00'
5	S 09°04'15" E	203.20'		
6	S 01°40'06" W	193.52'		
7	S 13°29'19" W	220.55'		
8	S 01°37'38" W	197.15'		
9	N 75°45'23" W	281.64'		
10	S 76°53'07" W	355.91'		
11	S 50°13'05" W	270.41'		
12	S 88°16'15" W	362.90'		
13	N 65°58'37" W	334.68'		
14	N 81°25'50" W	323.97'		
15	S 81°23'08" W	286.38'		
16	S 88°04'03" W	319.17'		
17	N 79°42'41" W	491.05'		
18	N 00°03'57" E	1171.94'		
19	S 75°59'36" E	326.95'	327.12'	2919.97'
20	S 79°12'02" E	43.90'		

Plant Hammond Ash Pond 4 Call Table

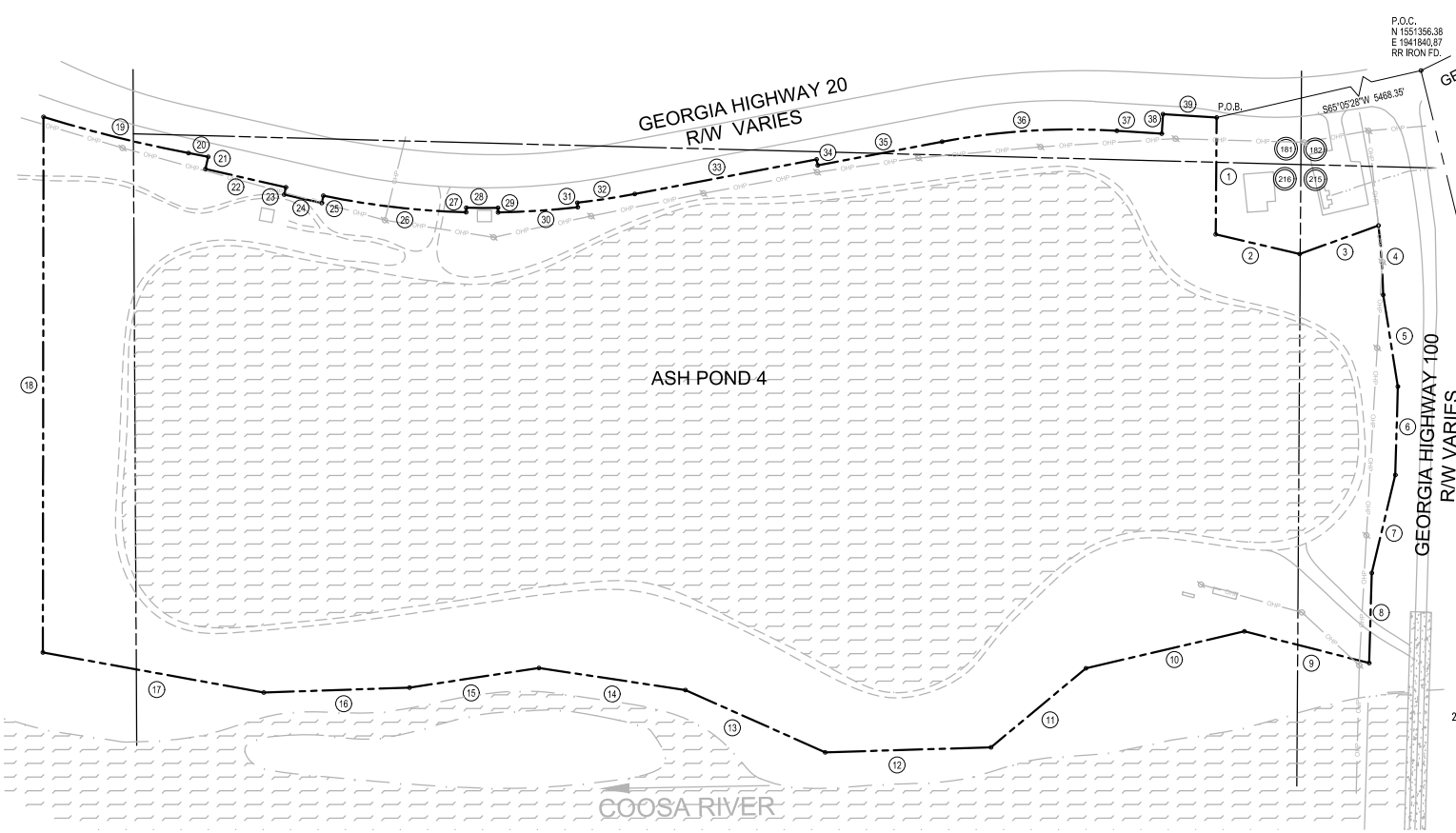
Course	Bearing	Distance	Arc	Radius
21	S 12°49'20" W	27.34'		
22	S 77°10'40" E	180.45'		
23	S 12°49'20" W	16.40'		
24	S 77°23'02" E	84.33'		
25	N 11°45'36" E	16.40'		
26	S 83°23'48" E	314.34'	314.76'	1748.68'
27	N 01°26'48" E	9.84'		
28	S 89°41'57" E	69.55'	69.55'	1738.84'
29	S 00°50'42" E	9.84'		
30	N 86°17'24" E	174.80'	174.87'	1748.68'
31	N 06°34'29" W	9.84'		
32	N 81°19'49" E	127.13'	127.16'	1738.84'
33	N 79°14'08" E	404.97'		
34	S 10°45'52" E	13.12'		
35	N 79°14'08" E	277.00'		
36	N 86°25'48" E	382.93'	383.94'	1528.87'
37	S 86°22'36" E	98.45'		
38	N 03°37'24" E	42.65'		
39	S 86°23'52" E	117.75'		

UTILITY LEGEND

- Electric Manhole
- Electric Meter
- Gas Manhole
- Gas Valve
- Gas Meter
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- Storm Sewer Manhole
- Telephone Manhole
- Water Manhole
- Water Valve
- Water Meter
- Fire Hydrant
- Well
- Power Pole
- Transmission Tower
- Guy Wire



LOCATION MAP – NOT TO SCALE



REFERENCES:

1. PLAT FOR GEORGIA POWER CO. BY LOWE ENGINEERS, LLC, GPC MF# P456-6, DATED FEBRUARY 2, 2018.
2. PERMIT BOUNDARY DEVELOPED BY STANTEC FOR GEORGIA POWER COMPANY, JULY 2018

PLAT ABBREVIATIONS

IPF – Iron Pin Found
IPS – Iron Pin Set
FPS – Fence Post Set
OTP – Open Top Pipe
CTP – Crimp Top Pipe
Conc. – Concrete
Alumn. – Aluminum
P/L – Property Line
R/W – Right of Way
C/L – Centerline
F/L – Fenceline
T/L – Transmission Line
N/F – Now or Formerly
DB – Deed Book
PB – Plat Book
MF – Map File No.
N.T.S. – Not to Scale
P.O.C.– Point of Commencement
P.O.B.– Point of Beginning
BH – Geotechnical Bore Hole
UGP – Underground Power
OHU – OverHead Utilities
GPC – Georgia Power Company
(1173) Land Lot
Land Lot Line
Open Water / Ash Pond

MONUMENTATION LEGEND

- Iron Pin Set
- Iron Pin Found
- Monument Set
- Monument Found
- Computed Point
- CP1 / TR1 Control or Traverse Point
- Geodetic Control Point
- Benchmark or Temporary Benchmark (TBM)

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 INCH = 200 FEET

PATH – T:\Working2\Ash\Hammond\20180700B9_CCR Permit Boundary Surveys – AP 1-4

ASH POND 4
75.45 AC. 3,286,491 SQ.FT.

SURVEY CLOSURE STATEMENT

The Field Data upon which this plat is based has a closure precision of one foot in 58,769 feet, and an angular error of <1" per angle point, and was adjusted using Least Squares method.

This plat has been calculated for closure and is found to be accurate within one foot in 520,157 feet.

Linear Measurement obtained using Leica TS-15 &
Angular Measurement obtained using Trimble SPS730
Field Work completed 11/29/2017

NOTE: BACKGROUND IMPROVEMENTS PER PERMIT DRAWING BY STANTEC, DATED APRIL 20, 2018

F.I.R.M. FLOOD NOTE:

THIS PROPERTY IS LOCATED IN A 100 YR. F.I.R.M. FLOODPLAIN, (BY GRAPHIC PLOTTING ONLY) ACCORDING TO F.I.R.M. FLOOD MAP OF FLOYD COUNTY , GA. COMMUNITY-PANEL NO. 13115C0163 E, 13115C0164 E & 13115C0251 E, DATED SEPTEMBER 25, 2009.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

SURVEYOR: WILLIAM J. DANIEL III
P.L.S. #2257
LOWE ENGINEERS LLC
990 HAMMOND DRIVE SUITE 900
ATLANTA, GA. 30328
PHONE (770) 857-8400

GEORGIA REGISTERED No. 2257 PROFESSIONAL LAND SURVEYOR WILLIAM J. DANIEL III

I hereby certify that this survey has been prepared in conformity with The Technical Standards for Property Surveys in Georgia as set forth in Chapter 180-7 on the Rules of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in the Georgia Plat Act O.C.G.A. 15-6-67.

And further certify that according to Georgia Code Section 15-6-67(d), this plat is not required to be reviewed by any local governing authorities prior to recording. Per said section, "No approval shall be required if no new streets or roads are created or no new utility improvements are required or no new sanitary sewer or approval of a septic tank is required." No such improvements are required hereon.

Date: October 4, 2018

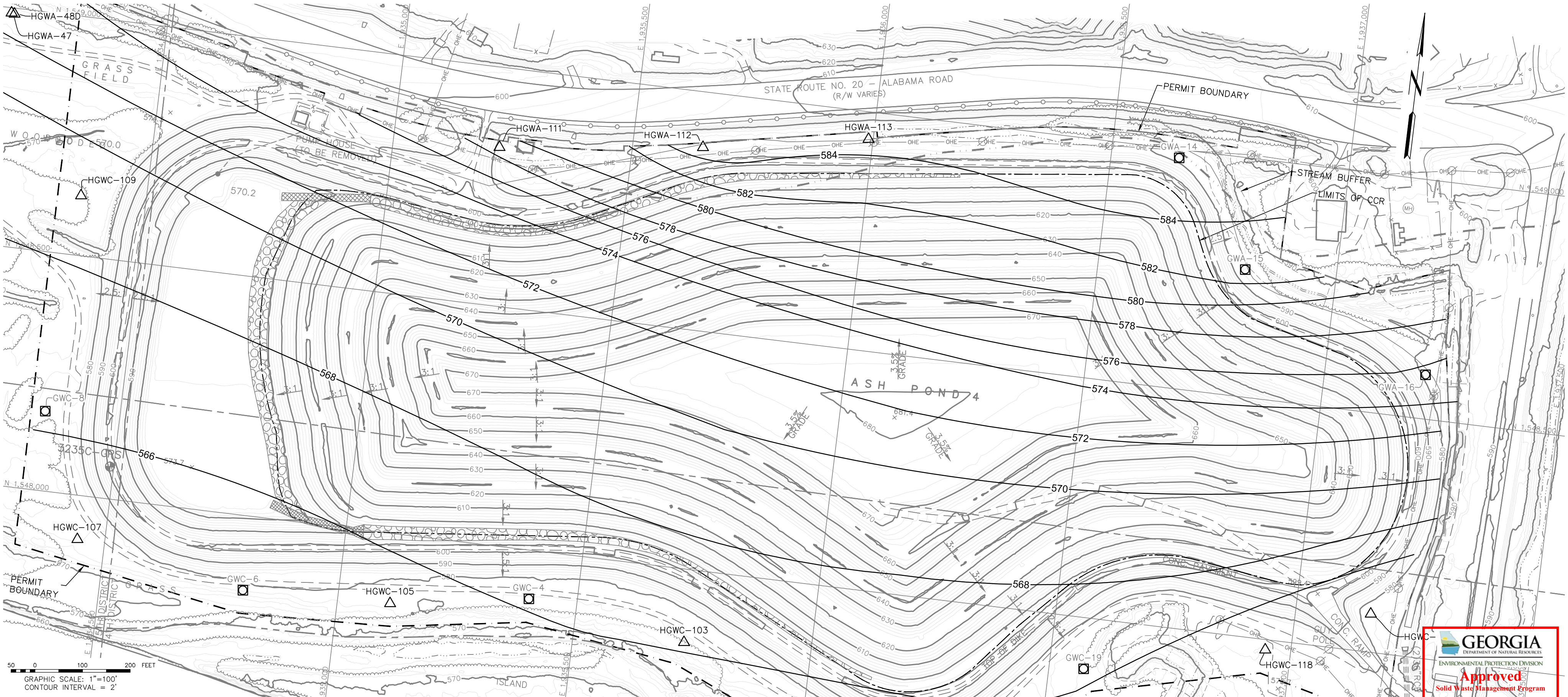
REVISION BLOCK
APPROVALS

GEORGIA POWER CO., ATLANTA, GA.
Land Department
Plant Hammond
Ash Pond 4
Permitted Site Boundary

LAND LOT 181, 182, 215 & 216, 4TH DISTRICT, 4TH SECTION, FLOYD COUNTY, GEORGIA

DR.	TR.	Checked
DE		WJDIII
SCALE		DATE
1" = 200'		10.04.2018

DRAWING NUMBER
P467 (4)



MAPPING NOTE:

TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WAS OBTAINED FROM DRAWING P317-3, REV 3 BY METRO ENGINEERING & SURVEYING CO., INC. DATED FEBRUARY 26, 2013. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTES:

1. EXISTING DOWN DRAIN PIPES, PERIMETER DITCH LINING, AND FLUMES SHALL BE DEMOLISHED DURING CLOSURE-BY-REMOVAL CONSTRUCTION. OTHER FEATURES TO BE CLOSED OR REMOVED AS NOTED.
2. GPC IS REMOVING THE CCR MATERIAL FROM THIS UNIT. FUTURE STAGING AND LOADING AREAS WILL BE CONSTRUCTED AS PART OF THE REMOVAL PROCESS.
3. THE BASEMAP AND SITE FEATURES DEPICTED ON THIS DRAWING WERE PREPARED BY STANTEC CONSULTING SERVICES, INC. THE POTENTIOMETRIC SURFACE DEPICTED ON THIS DRAWING WAS DEVELOPED BY GEOSYNTEC CONSULTANTS, INC. THIS DRAWING HAS BEEN SEALED BY THE RESPECTIVE ENGINEER-OF-RECORD FOR EACH CONSULTANT.
4. FORMER DETECTION MONITORING WELL HGWC-117 WAS REPLACED WITH HGWC-117A. HGWC-117 WAS ABANDONED IN JULY 2023.

MONITORING WELL LOCATION TABLE

WELL ID	NORTHING	EASTING	GROUNDWATER ELEVATION (FEBRUARY 2025, FEET)
HGWA-47	1,548,990.96	1,934,171.84	573.45
HGWA-48D	1,548,989.39	1,934,178.15	573.48
HGWA-111	1,548,834.26	1,935,222.81	579.85
HGWA-112	1,548,885.63	1,935,647.00	584.36
HGWA-113	1,548,944.62	1,935,990.09	584.56
HGWC-101	1,547,725.50	1,936,369.58	564.07
HGWC-102	1,547,713.50	1,936,033.33	562.23
HGWC-103	1,547,848.88	1,935,732.96	567.44
HGWC-105	1,547,855.56	1,935,110.36	561.95
HGWC-107	1,547,909.99	1,934,442.24	562.06
HGWC-109	1,548,627.41	1,934,362.77	568.96
HGWC-117A	1,548,082.04	1,937,157.25	563.04
HGWC-118	1,547,980.56	1,936,946.37	564.19

PIEZOMETER LOCATION TABLE

PIEZOMETER ID	NORTHING	EASTING	GROUNDWATER ELEVATION (FEBRUARY 2025, FEET)
GWA-14	1,548,982.59	1,936,642.58	585.45
GWA-15	1,548,766.17	1,936,808.47	583.58
GWA-16	1,548,592.74	1,937,210.99	574.33
GWC-4	1,547,898.30	1,935,398.70	567.59
GWC-6	1,547,843.93	1,934,800.45	562.44
GWC-8	1,548,167.13	1,934,342.94	567.46
GWC-19	1,547,892.89	1,936,572.97	566.63
MW-12	1,547,853.78	1,937,525.46	562.54

LEGEND

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EDGE OF WATER
- FLOOD HAZARD LIMITS
- APPROXIMATE LAND LOT LINE
- GRAVEL ROAD
- TREE LINE
- FENCE
- OVERHEAD ELECTRIC
- POWER POLE
- PERMIT BOUNDARY
- PROPERTY BOUNDARY
- GUARDRAIL
- LIMITS OF CCR
- PIEZOMETER
- MONITORING WELL
- 576 POTENTIOMETRIC SURFACE (FEBRUARY 2025)

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Brian Love

REV	DATE	DESCRIPTION	DRWN	CHKD
3	07/2025	UPDATED GROUNDWATER ELEVATIONS	JM	MV
2	09/2023	REMOVED HGWC-117	TJ	JK
1	03/2023	UPDATED GROUNDWATER ELEVATIONS	JM	JK
0	05/2020	INITIAL SUBMITTAL TO EPD	RP	JK

ENVIRONMENTAL MONITORING PLAN

CLOSURE DRAWINGS

FOR

PLANT HAMMOND - GEORGIA POWER
ASH POND 4 (AP-4) - DEWATERED CCR SURFACE IMPOUNDMENT
5 YEAR PERMIT REVIEW
FLOYD COUNTY, GEORGIA

1110 Market Street, Suite 214A
Chattanooga, Tennessee 37402-2863
www.stantec.com
Stantec

PROJ. NO.	175578626	DWG.	78626-901-EMP2_R3	EDIT	JULY 2025
SCALE	1"=100'	SHEET 1 OF 1			
DATE	APRIL 2020				