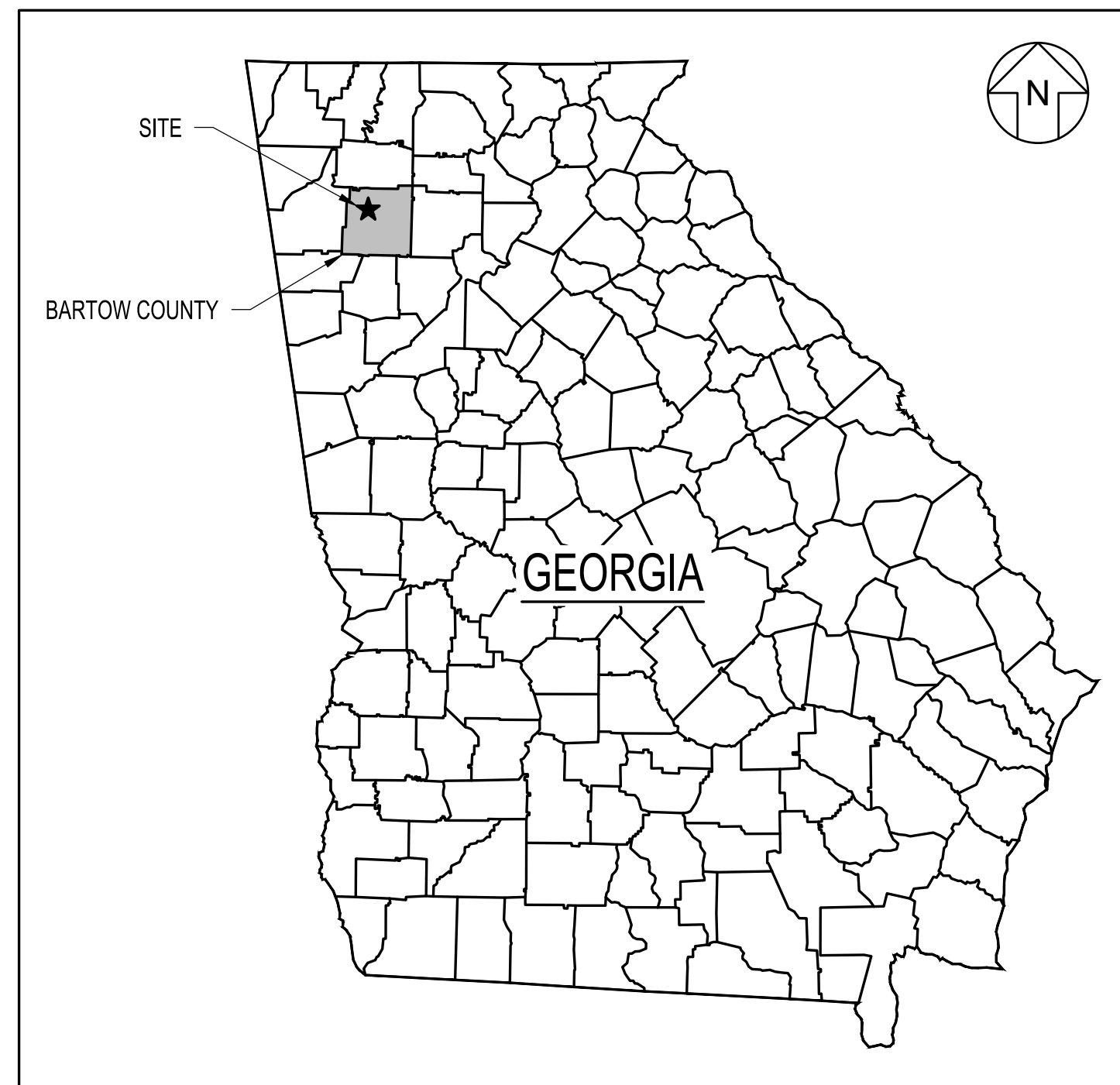


# PLANT BOWEN ASH POND 1 (AP-1) CLOSURE CLOSURE DRAWINGS BARTOW COUNTY, GEORGIA

MAY 2024 



SOURCE: MICROSOFT CORPORATION BING MAPS 2017  
LOCATION MAP  
NOT TO SCALE

LIST OF DRAWINGS			
DRAWING NO.	DRAWING TITLE	REVISION	DATE
1	COVER SHEET	1	MAY 2024
2	LEGENDS, ABBREVIATIONS, AND REFERENCE NOTES	0	AUGUST 2021
3	PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION	0	AUGUST 2021
4	SITE PLAN	1	MAY 2024
5	EXISTING SITE CONDITIONS AND TOPOGRAPHY	1	MAY 2024
6	APPROXIMATE BOTTOM OF AP-1 GRADES	1	MAY 2024
7	FOUNDATION IMPROVEMENT PLAN	1	MAY 2024
8	EXCAVATION PLAN - OVERALL	1	MAY 2024
9	EXCAVATION PLAN - SOUTH AP-1	1	MAY 2024
10	EXCAVATION PLAN - NORTH AP-1	1	MAY 2024
11	TOP OF LINER GRADING PLAN - OVERALL	1	MAY 2024
12	TOP OF LINER GRADING PLAN - SOUTH AP-1	1	MAY 2024
13	TOP OF LINER GRADING PLAN - NORTH AP-1	1	MAY 2024
14	TOP OF CCR GRADING PLAN - OVERALL	1	MAY 2024
15	TOP OF CCR GRADING PLAN - SOUTH AP-1	1	MAY 2024
16	TOP OF CCR GRADING PLAN - NORTH AP-1	1	MAY 2024
17	FINAL CLOSURE GRADING PLAN - OVERALL	1	MAY 2024
18	FINAL CLOSURE GRADING PLAN - SOUTH AP-1	1	MAY 2024
19	FINAL CLOSURE GRADING PLAN - NORTH AP-1	1	MAY 2024
20	CLOSURE PHASING PLANS I	1	MAY 2024
21	CLOSURE PHASING PLANS II	1	MAY 2024
22	CLOSURE PHASING PLANS III	1	MAY 2024
23	CLOSURE PHASING PLANS IV	1	MAY 2024
24	SITE CROSS SECTIONS I	0	AUGUST 2021
25	SITE CROSS SECTIONS II	0	AUGUST 2021
26	SITE CROSS SECTIONS III	0	AUGUST 2021
27	LINER SYSTEM DETAILS I	0	AUGUST 2021
28	LINER SYSTEM DETAILS II	0	AUGUST 2021
29	FINAL COVER SYSTEM DETAILS	0	AUGUST 2021
30	PERIMETER DETAILS	0	AUGUST 2021
31	PERIMETER BERM CROSS SECTIONS I	0	AUGUST 2021
32	PERIMETER BERM CROSS SECTIONS II	0	AUGUST 2021
33	LEACHATE MANAGEMENT PLAN	1	MAY 2024
34	LEACHATE MANAGEMENT SYSTEM DETAILS I	0	AUGUST 2021
35	LEACHATE MANAGEMENT SYSTEM DETAILS II	0	AUGUST 2021
36	LEACHATE MANAGEMENT SYSTEM DETAILS III	0	AUGUST 2021
37	LEACHATE MANAGEMENT SYSTEM DETAILS IV	0	AUGUST 2021
38	STORMWATER MANAGEMENT SYSTEM PLAN - OVERVIEW	1	MAY 2024
39	STORMWATER MANAGEMENT SYSTEM PLAN - SOUTH AP-1	1	MAY 2024
40	STORMWATER MANAGEMENT SYSTEM PLAN - NORTH AP-1	1	MAY 2024
41	STORMWATER MANAGEMENT SYSTEM DETAILS I	0	AUGUST 2021
42	STORMWATER MANAGEMENT SYSTEM DETAILS II	0	AUGUST 2021
43	STORMWATER MANAGEMENT SYSTEM DETAILS III	0	AUGUST 2021
44	STORMWATER MANAGEMENT SYSTEM DETAILS IV	0	AUGUST 2021
45	STORMWATER MANAGEMENT SYSTEM DETAILS V	0	AUGUST 2021
46	STORMWATER MANAGEMENT SYSTEM DETAILS VI	0	AUGUST 2021
47	EROSION AND SEDIMENT CONTROL DETAILS I	0	AUGUST 2021
48	EROSION AND SEDIMENT CONTROL DETAILS II	0	AUGUST 2021
49	EROSION AND SEDIMENT CONTROL DETAILS III	0	AUGUST 2021
50	COMPLIANCE MONITORING NETWORK	1	MAY 2024



SOURCE: MICROSOFT CORPORATION BING MAPS 2017  
VICINITY MAP  
SCALE IN FEET  
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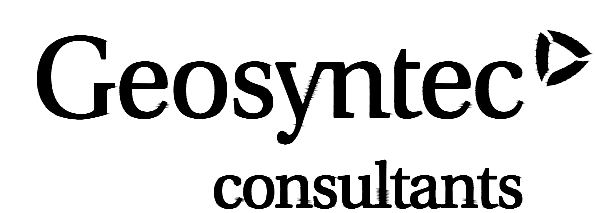
PHYSICAL SITE ADDRESS:  
PLANT BOWEN  
317 COVERED BRIDGE ROAD SW  
CARTERSVILLE, GEORGIA 30120

PREPARED FOR:



GEORGIA POWER ENVIRONMENTAL AFFAIRS  
241 RALPH MCGILL BOULEVARD NE  
ATLANTA, GEORGIA 30308  
CONTACT: GENERAL MANAGER  
TELEPHONE: 404.506.6505

PREPARED BY:



1255 ROBERTS BOULEVARD NW, SUITE 200  
KENNESAW, GEORGIA 30144-3694  
TELEPHONE: 678.202.9500



PERMIT DRAWING  
NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	MINOR MOD SUBMITTAL TO GA EPD	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

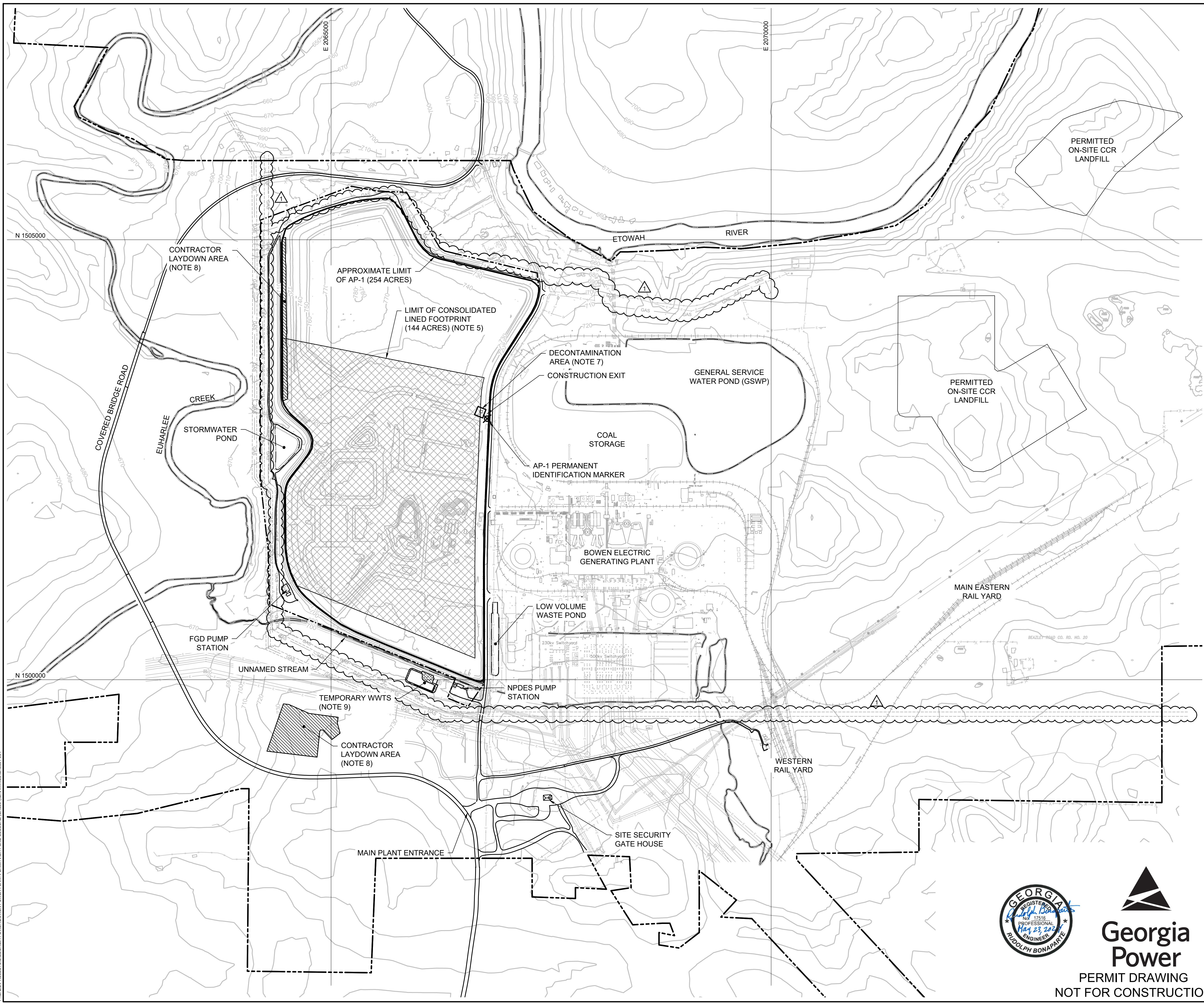
COVER SHEET

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-001	EDIT	5/23/24
SCALE	AS SHOWN	DRAWING 1 OF 50			
DATE	AUGUST 2021				

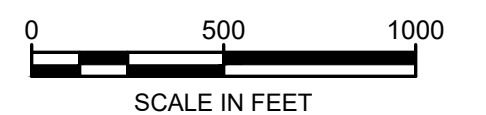


**LEGEND**

	EXISTING GROUND ELEVATION (FEET) (NOTE 1)
	MAIN SITE AND AP-1 ACCESS ROAD
	APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
	LIMIT OF CONSOLIDATED LINED FOOTPRINT (NOTE 5)
	PROPERTY BOUNDARY
	PERMIT BOUNDARY (NOTE 6)
	TEMPORARY WWTP PAD



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - ACREAGE OF AP-1 REPRESENTS THE TWO-DIMENSIONAL (2D) PLAN AREA WITHIN THE ESTIMATED AP-1 LIMITS (ALSO REPRESENTING THE POTENTIAL LATERAL LIMITS OF CCR).
  - TOPOGRAPHIC CONTOUR INTERVALS ARE PRESENTED AT 10-FT INTERVALS ON THIS DRAWING, FOR CLARITY. SEE DRAWING 5 FOR TOPOGRAPHIC CONTOURS AT 2-FT CONTOUR INTERVALS.
  - SEE DRAWING 5 FOR AN EXISTING CONDITIONS PLAN IN THE VICINITY OF AP-1, SHOWN AT AN ENLARGED SCALE.
  - LIMIT OF CONSOLIDATED LINED FOOTPRINT REFERS TO LIMIT OF LINER.
  - ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBSCURED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.
  - A DECONTAMINATION STATION WILL BE ESTABLISHED AT THE APPROXIMATE LOCATION SHOWN. EQUIPMENT WILL BE DECONTAMINATED (I.E., CCR PARTICLES REMOVED) PRIOR TO EXITING THE AP-1 FOOTPRINT. AS PHASED CLOSURE CONSTRUCTION APPROACHES THIS AREA, THE DECONTAMINATION STATION MAY BE RELOCATED SLIGHTLY AS NEEDED TO ACCOMMODATE CONSTRUCTION OPERATIONS.
  - CONTRACTOR LAYDOWN AREAS FOR STAGING OF CONSTRUCTION MATERIALS AND EQUIPMENT WILL BE AT THE APPROXIMATE LOCATIONS SHOWN. EQUIPMENT MAY ALSO BE STAGED WITHIN THE AP-1 ADJACENT TO WORK AREAS.
  - A TEMPORARY WWTP WILL BE ESTABLISHED AT THE APPROXIMATE LOCATION SHOWN FOR TREATMENT OF LEACHATE AND CONTACT WATER GENERATED DURING CLOSURE CONSTRUCTION. AT THE COMPLETION OF CLOSURE CONSTRUCTION, LEACHATE WILL BE ROUTED TO A PERMANENT ON-SITE WWTP LOCATED OUTSIDE THE AP-1 PERMIT BOUNDARY, ON THE PLANT BOWEN PROPERTY.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**SITE PLAN**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

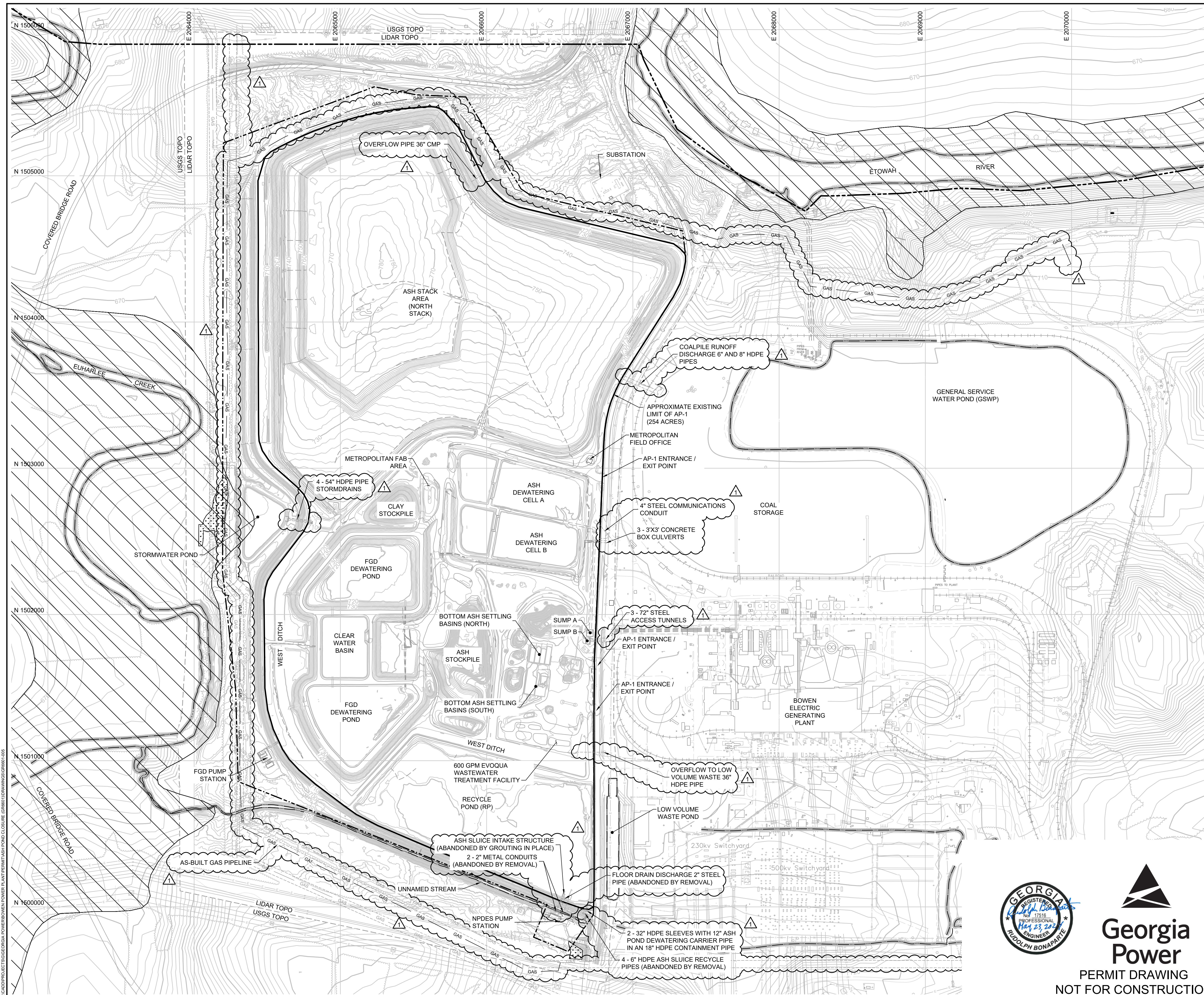


1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.3660 WWW.GEOSYNTEC.COM	
PROJ. NO.	GR6601	DWG.	GR6601-004
SCALE	1" = 500'	EDIT	5/23/24
DATE	AUGUST 2021	DRAWING 4 OF 50	



**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

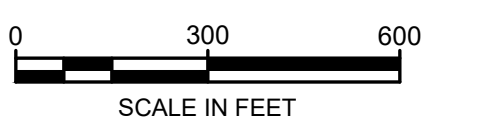
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**LEGEND**

- EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- EXISTING ROAD
- EXISTING PIPE
- PLANT BUILDINGS / STRUCTURES
- WATER-LINE / CREEK
- APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
- PROPERTY BOUNDARY (NOTE 3)
- PERMIT BOUNDARY
- WETLAND (NOTE 4)
- 100-YEAR FLOODPLAIN (NOTE 4)
- EXISTING PIPE PENETRATION (NOTE 6)
- AS-BUILT GAS PIPELINE (NOTE 7)

- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOPOGRAPHIC CONTOURS ARE PRESENTED AT 2-FT INTERVALS.
  - WETLAND LOCATIONS ARE AS DELINEATED BY ECOLOGICAL SOLUTIONS, INC. IN JUNE 2018.
  - 100-YEAR FLOODPLAIN IS TAKEN FROM FEMA FLOOD INSURANCE RATE MAP NUMBERS 13015C0245G AND 13015C0335G, BOTH DATED 28 SEPTEMBER 2007.
  - ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBTAINED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.
  - PIPE PENETRATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. IF PIPE ABANDONMENT IS NECESSARY TO SUPPORT CONSTRUCTION ACTIVITIES, PIPES WILL BE ABANDONED WITHIN THE LIMITS OF AP-1 USING ONE OF THE FOLLOWING PROCEDURES: (I) REMOVAL OF THE PIPE(S), (II) FILLING WITH FLOWABLE FILL OR GROUTED IN PLACE AND THEN CAPPING (E.G., FLANGES) TO ENSURE A PROPER SEAL, OR (III) OTHER EQUIVALENT ABANDONMENT PROCEDURE AS APPROVED BY ENGINEER AND OWNER.
  - THE GAS PIPELINE WAS INSTALLED BY ATLANTA GAS LIGHT COMPANY AND THE AS-BUILT DRAWING FOR THE PIPELINE WAS PROVIDED TO GPC ON 9 JANUARY 2024. THE PIPE IS SIX INCHES IN DIAMETER, WITH A MINIMUM OF FOUR FEET OF COVER, AND HAS A MINIMUM SETBACK OF 14 FEET FROM THE GROUNDWATER MONITORING WELLS.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE / ADD GAS PIPELINES AND PIPE PENETRATIONS	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**EXISTING SITE CONDITIONS AND TOPOGRAPHY**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec consultants**

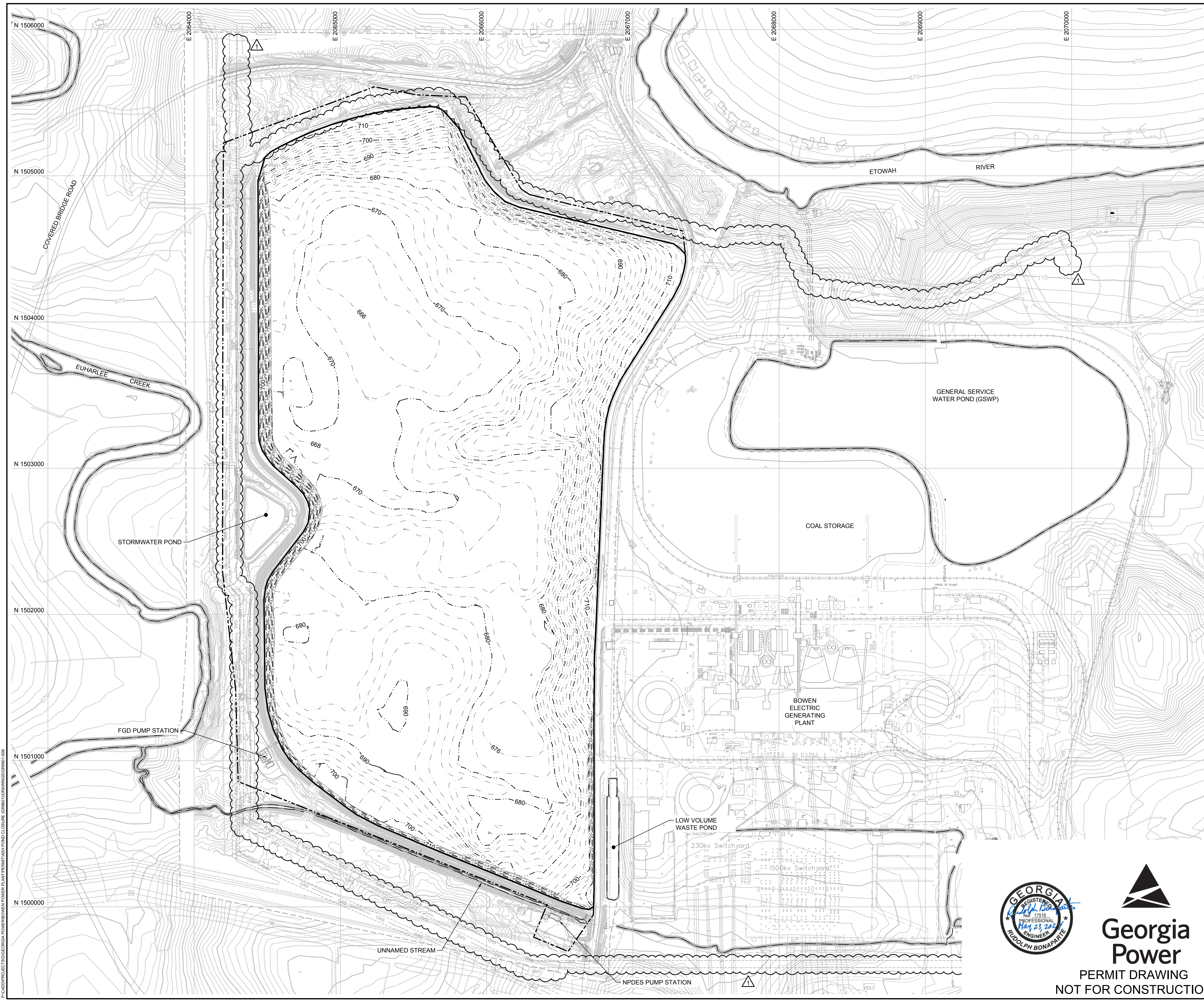
1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.8660  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-005	EDIT	5/23/24
SCALE	1" = 300'				
DATE	AUGUST 2021	<b>DRAWING 5 OF 50</b>			



**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

P:\CAD\PROJECTS\GEORGIA POWER\BOWEN ASH POND CLOSURE (DR6601)\DRAWINGS\DR6601-005



**LEGEND**

- 670 --- APPROXIMATE BOTTOM OF CCR SURFACE ELEVATION (FEET) (NOTES 2, 3, AND 4)
- - - - - PERMIT BOUNDARY (NOTE 5)
- APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)

**NOTES:**

1. SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
2. CONTOURS SHOWN ON THIS DRAWING WITHIN LIMITS OF AP-1 REPRESENT BOTTOM OF AP-1 (I.E., BOTTOM OF CCR) GRADES. SEE NOTE 8 ON DRAWING 2. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY.
3. DURING CLOSURE CONSTRUCTION, CONTRACTOR WILL VERIFY BOTH LATERAL AND VERTICAL EXTENTS OF CCR IN THE FIELD.
4. AREAS WITHIN LATERAL EXTENT OF CCR IN AP-1 (AS FIELD-VERIFIED DURING CLOSURE CONSTRUCTION) WILL HAVE AN ADDITIONAL SIX-INCHES MINIMUM OF MATERIAL REMOVAL BELOW BOTTOM OF CCR. EXCAVATED CCR (INCLUDING SIX-INCHES MINIMUM OF ADDITIONAL MATERIAL EXCAVATION) WILL BE PLACED IN THE CONSOLIDATED LINED AREA.
5. ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBSCURED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

APPROXIMATE BOTTOM OF AP-1 GRADES

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



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PROJ. NO.	GR6601	DWG.	GR6601-006
SCALE	1" = 300'	EDIT	5/23/24
DATE	AUGUST 2021	DRAWING 6 OF 50	



PERMIT DRAWING  
NOT FOR CONSTRUCTION

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**LEGEND**

	EXCAVATION SURFACE ELEVATION (FEET) (NOTES 2 AND 3)
	PERMIT BOUNDARY (NOTE 4)
	APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
	CONSOLIDATED AREA FOUNDATION IMPROVEMENTS (NOTE 3)
	OTHER AREA FOUNDATION IMPROVEMENTS (NOTE 3)

- NOTES:
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - EXCAVATION CONTOURS ON THIS DRAWING ARE THE SAME AS DRAWING 8. SEE NOTE 3, DRAWING 8 FOR BASIS FOR EXCAVATION CONTOURS.
  - FOUNDATION IMPROVEMENTS WILL BE PERFORMED IN ACCORDANCE WITH THE 'FOUNDATION IMPROVEMENT PLAN' INCLUDED WITH THIS PERMIT APPLICATION. A SUMMARY OF ACTIVITIES IS PROVIDED BELOW.
    - CONSOLIDATED LINED AREAS:** AS HIGHLIGHTED ON THIS DRAWING, WITHIN THE FLOOR AREAS OF THE CONSOLIDATED LINED FOOTPRINT AND BENEATH THE BASE OF THE NEW NORTH AND SOUTH DIKES, AFTER REMOVAL OF CCR (AND SIX-INCHES OF ADDITIONAL MATERIAL BELOW CCR), THE FOLLOWING ACTIVITIES WILL BE PERFORMED: (I) ADDITIONAL OVER-EXCAVATION AS PRESENTED AND DESCRIBED ON DRAWING 8; (II) FOUNDATION EVALUATION AND MITIGATION IN ACCORDANCE WITH THE FOUNDATION IMPROVEMENT PLAN; (III) COMPACTED SOIL FILL LAYER PLACEMENT TO ACHIEVE LINER SUBGRADE (BOTTOM OF CLAY LINER) GRADES.
    - OTHER AREAS:** AS HIGHLIGHTED ON THIS DRAWING, WITHIN AP-1 IN THE OTHER AREAS BEYOND THE CONSOLIDATED LINED AREA (PRIMARILY TO THE NORTH AND SOUTH), AFTER REMOVAL OF CCR (AND SIX-INCHES OF ADDITIONAL MATERIAL BELOW CCR), THE FOLLOWING ACTIVITIES WILL BE PERFORMED: (I) ADDITIONAL EXCAVATION AS PRESENTED AND DESCRIBED ON DRAWING 8; (II) FOUNDATION EVALUATION AND MITIGATION IN ACCORDANCE WITH THE FOUNDATION IMPROVEMENT PLAN; (III) COMPACTED SOIL FILL PLACEMENT AS NEEDED TO GRADE TO DRAIN UNDER FINAL CLOSED CONDITIONS.
  - ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBSCURED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**FOUNDATION IMPROVEMENT PLAN**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9560  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-007	EDIT	5/23/24
SCALE	1" = 300'		DRAWING 7 OF 50		
DATE	AUGUST 2021				



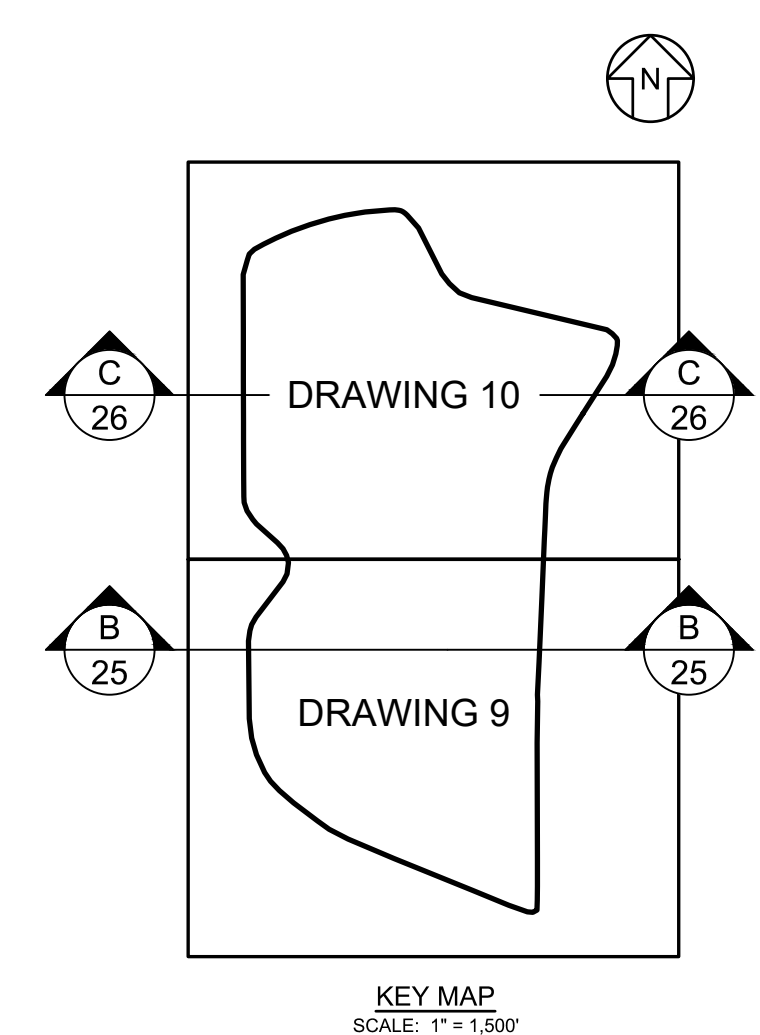
**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

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**LEGEND**

	EXCAVATION SURFACE ELEVATION (FEET) (NOTES 2 AND 3)
	PERMIT BOUNDARY (NOTE 6)
	APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
	APPROXIMATE LIMIT OF CONSOLIDATED AREA FOUNDATION IMPROVEMENTS



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - CONTOURS SHOWN ON THIS DRAWING WITHIN LIMITS OF AP-1 REPRESENT ESTIMATED MINIMUM BOTTOM OF EXCAVATION GRADES. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY.
  - EXCAVATION SURFACE IS APPROXIMATE, AND WAS DEVELOPED BASED ON THE ESTIMATED BOTTOM OF CCR AND TO MEET THE FOLLOWING CRITERIA: (I) EXCAVATE AT LEAST SIX INCHES BELOW THE BOTTOM OF CCR SURFACE IN ALL AREAS OF AP-1; (II) CONDUCT ADDITIONAL OVER-EXCAVATION AS NEEDED BENEATH THE FLOOR AREAS OF THE CONSOLIDATED LINED FOOTPRINT AND BENEATH THE BASE OF THE NEW NORTH AND SOUTH CONTAINMENT DIKES TO CONDUCT FOUNDATION IMPROVEMENTS AND PROVIDE AN 8-FT (MIN) COMPACTED SOIL BUFFER ZONE BELOW THE LINER SYSTEM; AND (III) CONDUCT ADDITIONAL EXCAVATION IN THE AREAS SOUTH AND NORTH OF THE CONSOLIDATED LINED FOOTPRINT AS NEEDED TO GRADE TO DRAIN UNDER FINAL CLOSED CONDITIONS.
  - EXCAVATION GRADES WILL BE ADJUSTED AS NECESSARY DURING CLOSURE CONSTRUCTION BASED ON APPLYING THE ABOVE CRITERIA TO THE ACTUAL FIELD-LOCATED BOTTOM OF CCR, AS WELL AS BASED ON FOUNDATION EVALUATIONS AND IMPROVEMENTS CONDUCTED IN ACCORDANCE WITH THE "FOUNDATION IMPROVEMENT PLAN" INCLUDED WITH THIS PERMIT APPLICATION.
  - EXCAVATION CONTOURS SHOWN ON THIS DRAWING ARE APPROXIMATE. ACTUAL EXCAVATION GRADES MAY EXTEND DEEPER AND SMOOTHED AS NEEDED TO FACILITATE CONSTRUCTION AND ACCOMPLISH FOUNDATION IMPROVEMENTS, FOLLOWED BY COMPACTED FILL PLACEMENT AS NECESSARY, PER NOTE 3.
  - ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBLISCURED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**EXCAVATION PLAN - OVERALL**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



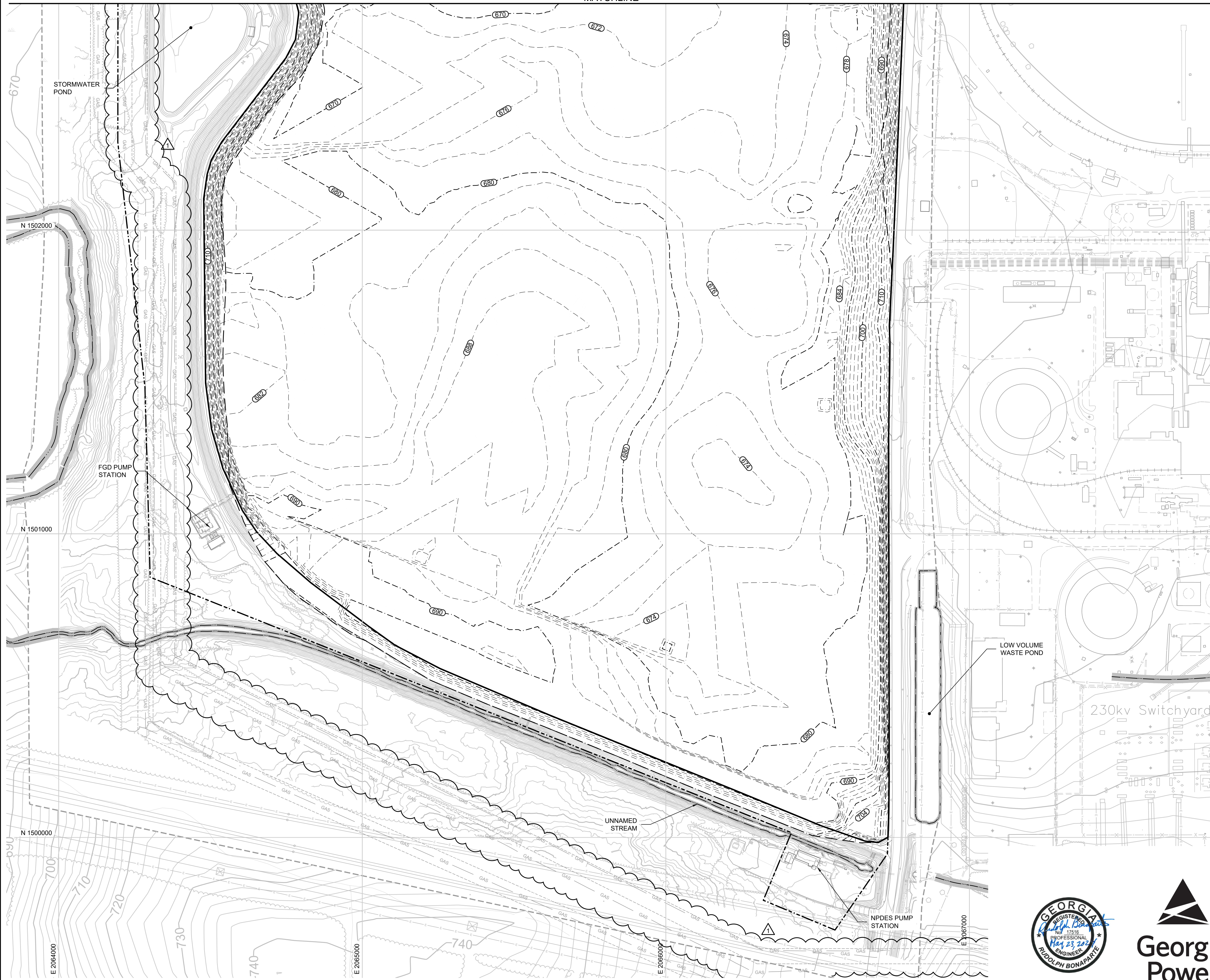
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA	PHONE: 678.202.3660 WWW.GEOSYNTEC.COM
PROJ. NO. GR6601	DWG. GR6601-008
SCALE 1" = 300'	EDIT 5/23/24
DATE AUGUST 2021	DRAWING 8 OF 50



**Georgia Power**  
PERMIT DRAWING  
NOT FOR CONSTRUCTION

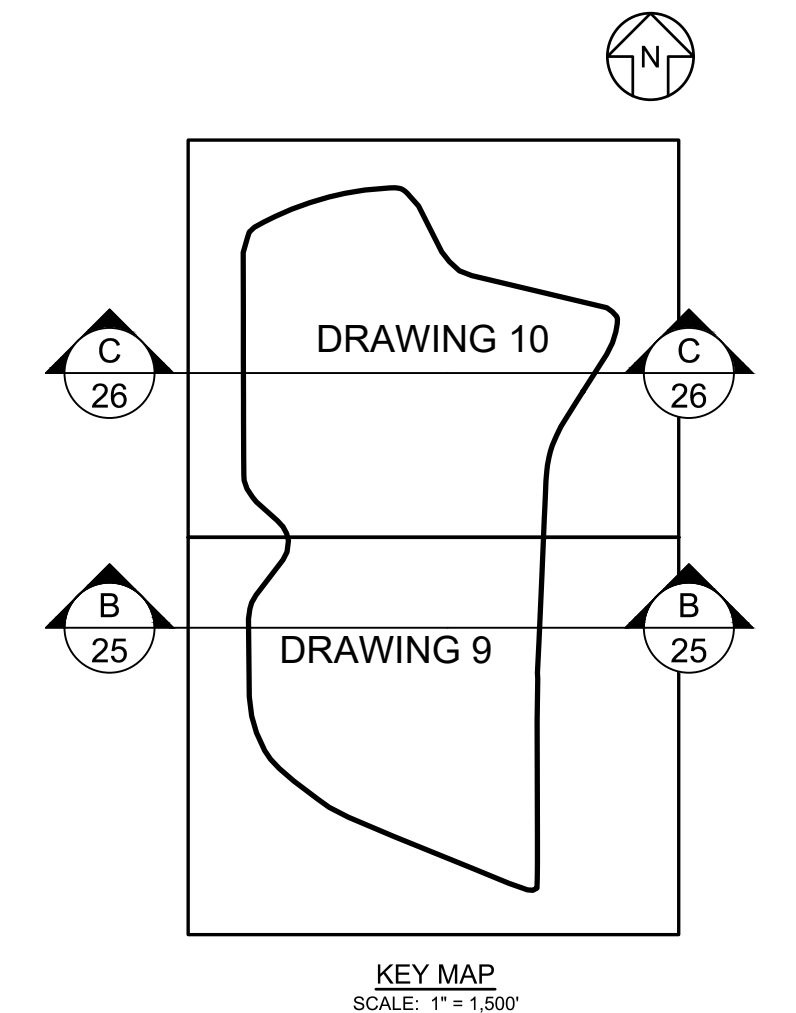
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MATCHLINE

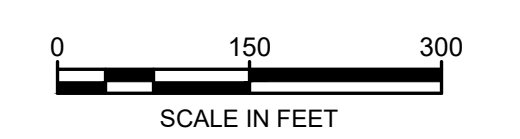


**LEGEND**

	EXCAVATION SURFACE ELEVATION (FEET) (NOTES 2 AND 3)
	PERMIT BOUNDARY (NOTE 6)
	APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
	APPROXIMATE LIMIT OF CONSOLIDATED AREA FOUNDATION IMPROVEMENTS



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - CONTOURS SHOWN ON THIS DRAWING WITHIN LIMITS OF AP-1 REPRESENT ESTIMATED MINIMUM BOTTOM OF EXCAVATION GRADES. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY.
  - EXCAVATION SURFACE IS APPROXIMATE, AND WAS DEVELOPED BASED ON THE ESTIMATED BOTTOM OF CCR AND TO MEET THE FOLLOWING CRITERIA: (I) EXCAVATE AT LEAST SIX INCHES BELOW THE BOTTOM OF CCR SURFACE IN ALL AREAS OF AP-1; (II) CONDUCT ADDITIONAL OVER-EXCAVATION AS NEEDED BENEATH THE FLOOR AREAS OF THE CONSOLIDATED LINED FOOTPRINT AND BENEATH THE BASE OF THE NEW NORTH AND SOUTH CONTAINMENT DIKES TO CONDUCT FOUNDATION IMPROVEMENTS AND PROVIDE AN 8-FT (MIN) COMPACTED SOIL BUFFER ZONE BELOW THE LINER SYSTEM; AND (III) CONDUCT ADDITIONAL EXCAVATION IN THE AREAS SOUTH AND NORTH OF THE CONSOLIDATED LINED FOOTPRINT AS NEEDED TO GRADE TO DRAIN UNDER FINAL CLOSED CONDITIONS.
  - EXCAVATION GRADES WILL BE ADJUSTED AS NECESSARY DURING CLOSURE CONSTRUCTION BASED ON APPLYING THE ABOVE CRITERIA TO THE ACTUAL FIELD-LOCATED BOTTOM OF CCR, AS WELL AS BASED ON FOUNDATION EVALUATIONS AND IMPROVEMENTS CONDUCTED IN ACCORDANCE WITH THE "FOUNDATION IMPROVEMENT PLAN" INCLUDED WITH THIS PERMIT APPLICATION.
  - EXCAVATION CONTOURS SHOWN ON THIS DRAWING ARE APPROXIMATE. ACTUAL EXCAVATION GRADES MAY EXTEND DEEPER AND BE SMOOTHED AS NEEDED TO FACILITATE CONSTRUCTION AND ACCOMPLISH FOUNDATION IMPROVEMENTS, FOLLOWED BY COMPACTED FILL PLACEMENT AS NECESSARY, PER NOTE 3.
  - ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBSCURED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

EXCAVATION PLAN - SOUTH AP-1

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



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PHONE: 678.202.3560  
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PROJ. NO.	GR6601	DWG.	GR6601-009	EDIT	5/23/24
SCALE	1" = 150'	DRAWING 9 OF 50			
DATE	AUGUST 2021				



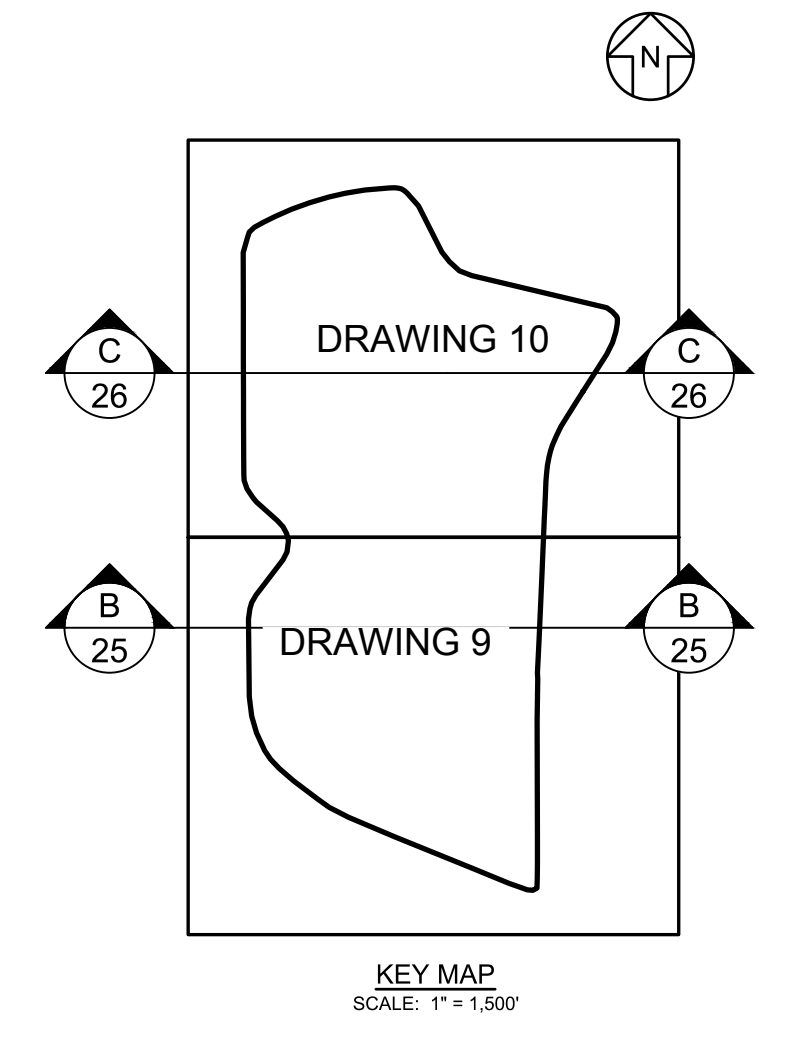
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NOT FOR CONSTRUCTION

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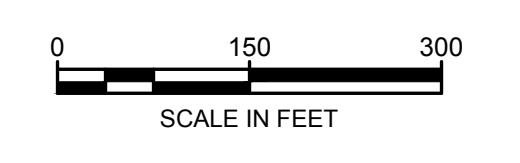


**LEGEND**

	EXCAVATION SURFACE ELEVATION (FEET) (NOTES 2 AND 3)
	PERMIT BOUNDARY (NOTE 6)
	APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
	APPROXIMATE LIMIT OF CONSOLIDATED AREA FOUNDATION IMPROVEMENTS



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - CONTOURS SHOWN ON THIS DRAWING WITHIN LIMITS OF AP-1 REPRESENT ESTIMATED MINIMUM BOTTOM OF EXCAVATION GRADES. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY.
  - EXCAVATION SURFACE IS APPROXIMATE, AND WAS DEVELOPED BASED ON THE ESTIMATED BOTTOM OF CCR AND TO MEET THE FOLLOWING CRITERIA: (I) EXCAVATE AT LEAST SIX INCHES BELOW THE BOTTOM OF CCR SURFACE IN ALL AREAS OF AP-1; (II) CONDUCT ADDITIONAL OVER-EXCAVATION AS NEEDED BENEATH THE FLOOR AREAS OF THE CONSOLIDATED LINED FOOTPRINT AND BENEATH THE BASE OF THE NEW NORTH AND SOUTH CONTAINMENT DIKES TO CONDUCT FOUNDATION IMPROVEMENTS AND PROVIDE AN 8-FT (MIN) COMPACTED SOIL BUFFER ZONE BELOW THE LINER SYSTEM; AND (III) CONDUCT ADDITIONAL EXCAVATION IN THE AREAS SOUTH AND NORTH OF THE CONSOLIDATED LINED FOOTPRINT AS NEEDED TO GRADE TO DRAIN UNDER FINAL CLOSED CONDITIONS.
  - EXCAVATION GRADES WILL BE ADJUSTED AS NECESSARY DURING CLOSURE CONSTRUCTION BASED ON APPLYING THE ABOVE CRITERIA TO THE ACTUAL FIELD-LOCATED BOTTOM OF CCR, AS WELL AS BASED ON FOUNDATION EVALUATIONS AND IMPROVEMENTS CONDUCTED IN ACCORDANCE WITH THE "FOUNDATION IMPROVEMENT PLAN" INCLUDED WITH THIS PERMIT APPLICATION.
  - EXCAVATION CONTOURS SHOWN ON THIS DRAWING ARE APPROXIMATE. ACTUAL EXCAVATION GRADES MAY EXTEND DEEPER AND BE SMOOTHED AS NEEDED TO FACILITATE CONSTRUCTION AND ACCOMPLISH FOUNDATION IMPROVEMENTS, FOLLOWED BY COMPACTED FILL PLACEMENT AS NECESSARY, PER NOTE 3.
  - ALONG EASTERN SIDE OF AP-1, PERMIT BOUNDARY IS ALIGNED WITH APPROXIMATE LIMIT OF AP-1, AND THUS OBSCURED IN THIS AREA ON THIS DRAWING. REFER TO DRAWING 3 FOR THE PERMIT BOUNDARY SURVEY AND LEGAL DESCRIPTION.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**EXCAVATION PLAN - NORTH AP-1**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

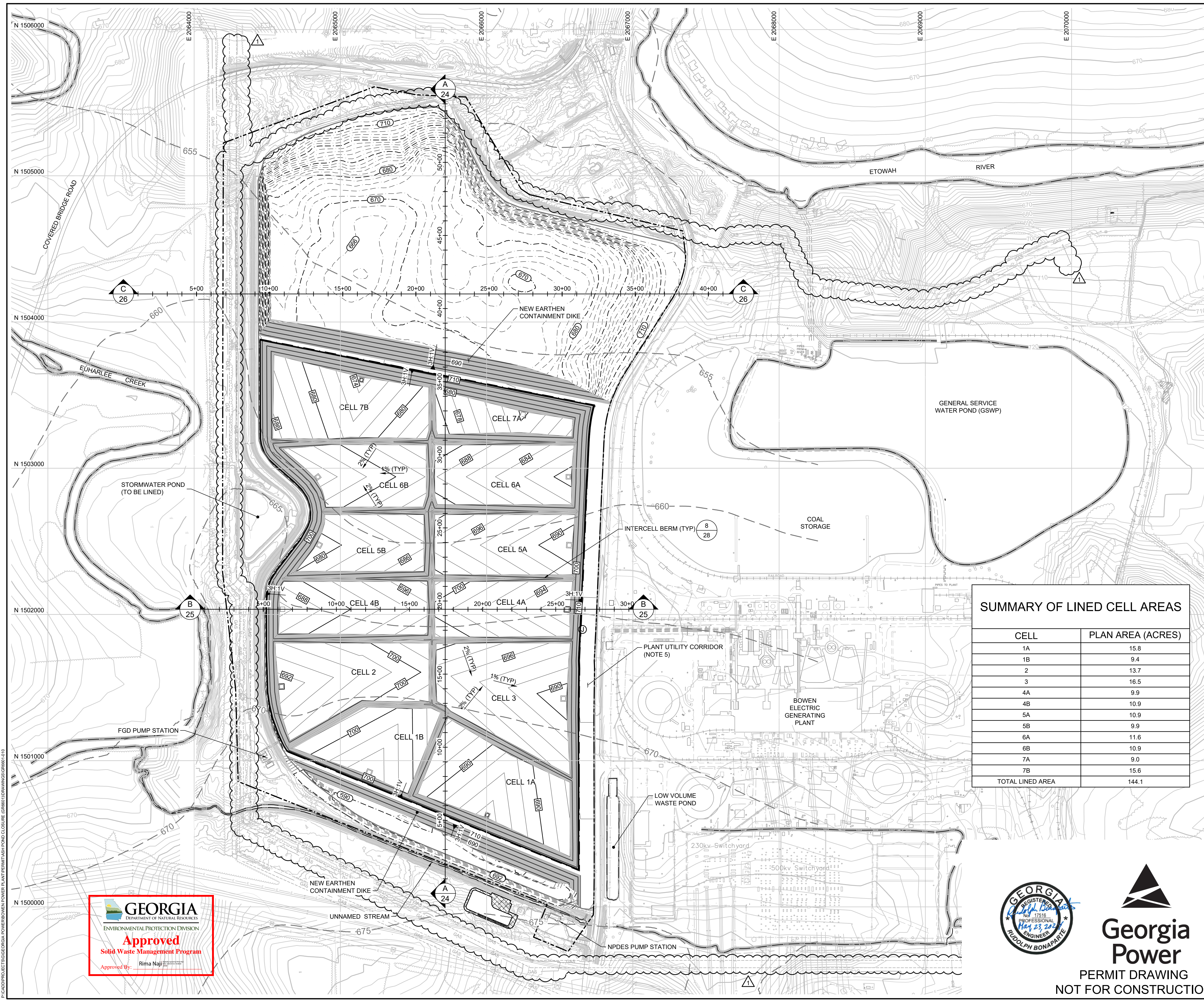
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SCALE	1" = 150'	DRAWING 10 OF 50			
DATE	AUGUST 2021				



**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

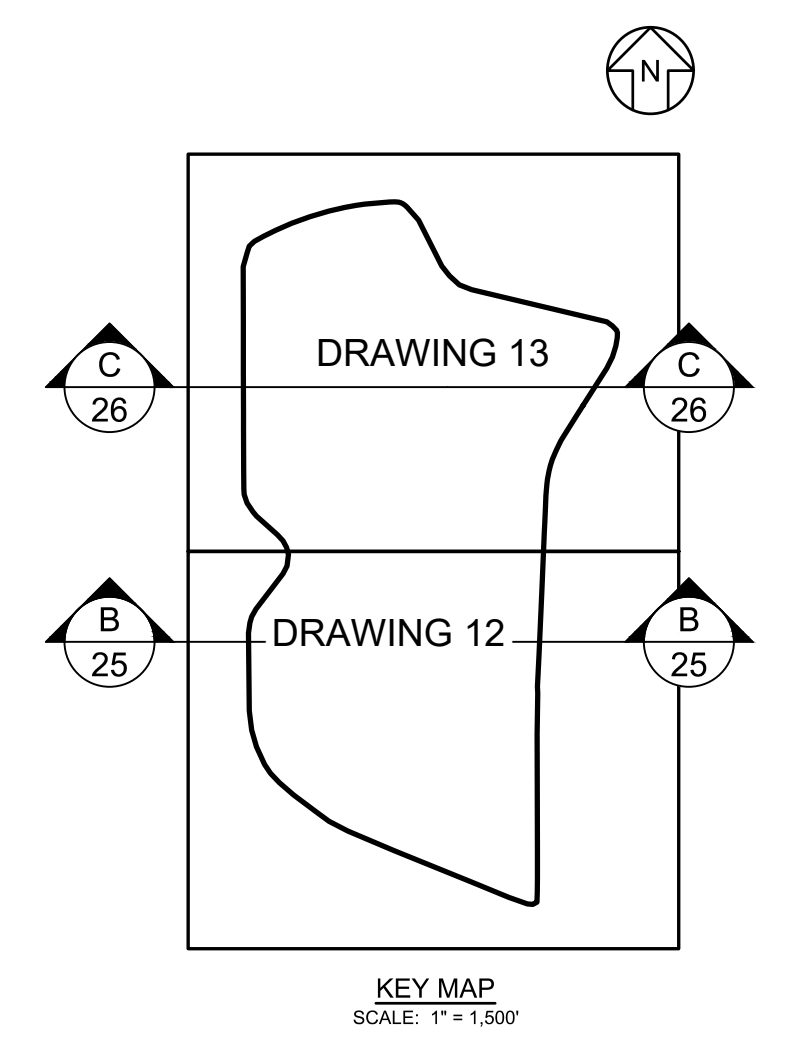
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**LEGEND**

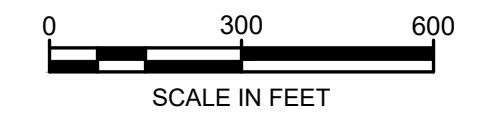
- 710 EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- PERMIT BOUNDARY
- EXCAVATION SURFACE ELEVATION (FEET)
- TOP OF LINER ELEVATION (FEET)
- LIMIT OF LINER (NOTE 2)
- APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
- PREDICTED POST-CLOSURE SEASONAL HIGH GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION (FEET) (NOTE 1)
- TEMPORARY WWTS PAD



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF LINER GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE GEOMEMBRANE COMPONENT OF THE LINER SYSTEM WITHIN THE CONSOLIDATED LINED FOOTPRINT AREA. WITHIN THE REMAINDER OF AP-1 (OUTSIDE THE CONSOLIDATED LINED FOOTPRINT AREA), GRADES REPRESENT EXTERIOR NORTH AND SOUTH CONTAINMENT DIKE SLOPES, WHICH TIE-IN TO THE ESTIMATED BOTTOM OF EXCAVATION GRADES CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY. LOW POINTS OF CELLS WILL NOT BE LOWERED WITHOUT GA EPD APPROVAL. MINOR CHANGES TO LINER GRADES SHOWN ON THIS DRAWING MAY BE MADE DURING DETAILED DESIGN (E.G., RAISED TO PROVIDE SEPARATION FROM THE PREDICTED POST-CLOSURE SEASONAL HIGH GROUNDWATER POTENTIOMETRIC SURFACE PRESENTED IN THE "HYDROGEOLOGIC ASSESSMENT REPORT (REVISION 3)" (PART B, SECTION 2 OF THIS PERMIT APPLICATION)); LINER GRADES MAY BE RAISED AS NECESSARY DURING CONSTRUCTION BASED ON CONDITIONS ENCOUNTERED.
  - CLOSURE WILL BE CONDUCTED IN PHASES, RESULTING IN PLAN TO CONSTRUCT LINED CELLS AND PLACE CCR IN ASCENDING NUMERICAL ORDER. AS NEEDED TO FACILITATE CLOSURE CONSTRUCTION TIMING AND SEQUENCING, MULTIPLE CELLS MAY BE CONSTRUCTED AND OPERATED AT A TIME. CELLS MAY ALSO BE CONSTRUCTED OUT-OF-SEQUENCE, WITH MINOR ADJUSTMENTS TO INTERCELL BOUNDARIES, OR SUBDIVIDED INTO PARTIAL CELL AREAS TO FACILITATE CLOSURE ACTIVITIES. REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
  - REFER TO DRAWINGS 33 THROUGH 37 FOR THE LEACHATE MANAGEMENT SYSTEM PLAN AND DETAILS.
  - THE PLANT UTILITY CORRIDOR REFERS TO A 100-FT WIDE CORRIDOR IMMEDIATELY EAST OF THE CONSOLIDATED LINED AREA THAT WILL BE CONSTRUCTED IN CONJUNCTION WITH THE CLOSURE PROJECT. CORRIDOR MAY BE USED FOR PLANT-RELATED UTILITIES AND INFRASTRUCTURE.

**SUMMARY OF LINED CELL AREAS**

CELL	PLAN AREA (ACRES)
1A	15.8
1B	9.4
2	13.7
3	16.5
4A	9.9
4B	10.9
5A	10.9
5B	9.9
6A	11.6
6B	10.9
7A	9.0
7B	15.6
<b>TOTAL LINED AREA</b>	<b>144.1</b>



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**TOP OF LINER GRADING PLAN - OVERALL**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



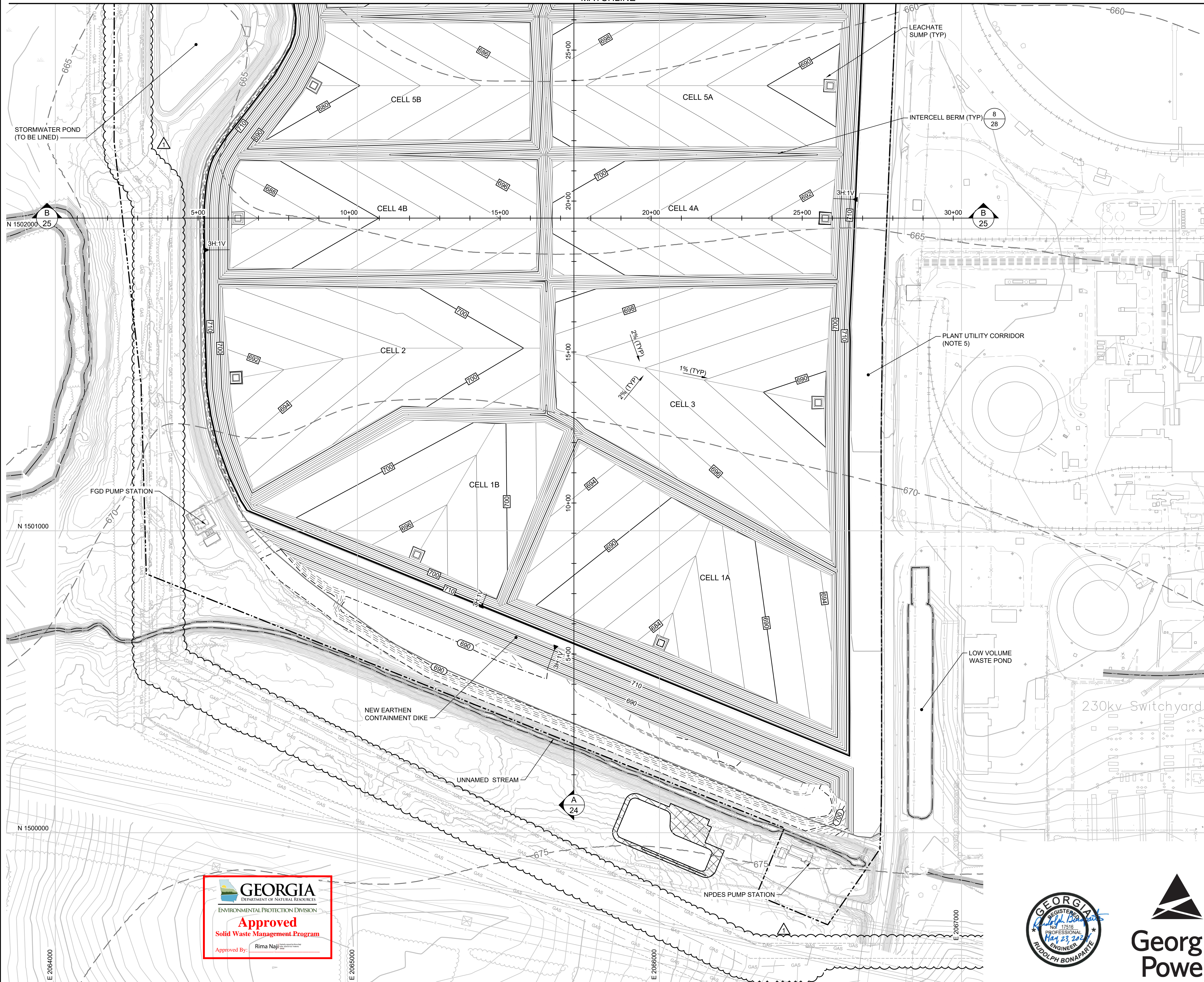
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA	PHONE: 678.202.9500 WWW.GEOSYNTEC.COM
PROJ. NO. GR6601	DWG. GR6601-010
SCALE 1" = 300'	EDIT 5/23/24
DATE AUGUST 2021	DRAWING 11 OF 50



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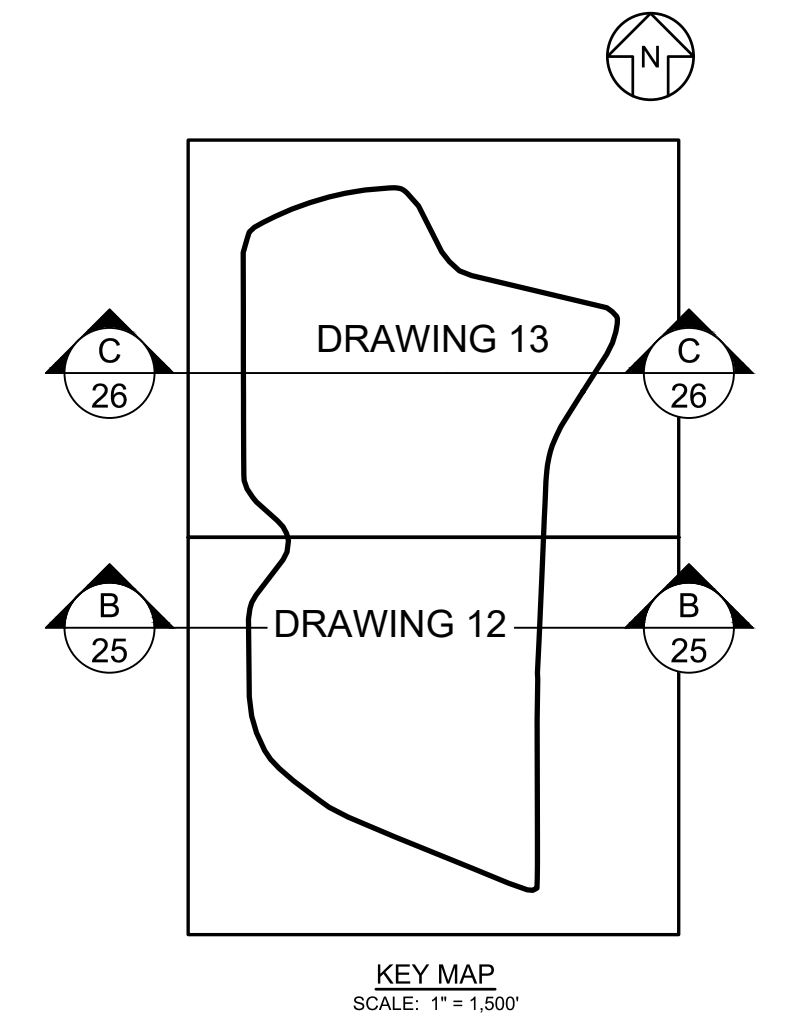
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MATCHLINE

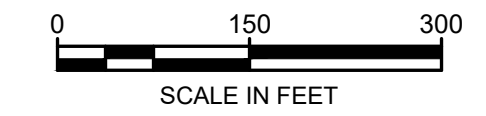


LEGEND

- EXISTING GROUND ELEVATION (FEET) (NOTE 1)
- PERMIT BOUNDARY
- EXCAVATION SURFACE ELEVATION (FEET)
- TOP OF LINER ELEVATION (FEET)
- LIMIT OF LINER (NOTE 2)
- APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
- PREDICTED POST-CLOSURE SEASONAL HIGH GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION (FEET) (NOTE 1)
- LEACHATE SUMP
- TEMPORARY WWTS PAD



- NOTES:
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF LINER GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE GEOMEMBRANE COMPONENT OF THE LINER SYSTEM WITHIN THE CONSOLIDATED LINED FOOTPRINT AREA. WITHIN THE REMAINDER OF AP-1 (OUTSIDE THE CONSOLIDATED LINED FOOTPRINT AREA), GRADES REPRESENT EXTERIOR NORTH AND SOUTH CONTAINMENT DIKE SLOPES, WHICH TIE-IN TO THE ESTIMATED BOTTOM OF EXCAVATION GRADES. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY. LOW POINTS OF CELLS WILL NOT BE LOWERED WITHOUT GA EPD APPROVAL. MINOR CHANGES TO LINER GRADES SHOWN ON THIS DRAWING MAY BE MADE DURING DETAILED DESIGN (E.G., RAISED TO PROVIDE SEPARATION FROM THE PREDICTED POST-CLOSURE SEASONAL HIGH GROUNDWATER POTENTIOMETRIC SURFACE PRESENTED IN THE "HYDROGEOLOGIC ASSESSMENT REPORT (REVISION 3)" (PART B, SECTION 2 OF THIS PERMIT APPLICATION)). LINER GRADES MAY BE RAISED AS NECESSARY DURING CONSTRUCTION BASED ON CONDITIONS ENCOUNTERED.
  - CLOSURE WILL BE CONDUCTED IN PHASES, RESULTING IN PLAN TO CONSTRUCT LINED CELLS AND PLACE COR IN ASCENDING NUMERICAL ORDER AS NEEDED TO FACILITATE CLOSURE CONSTRUCTION TIMING AND SEQUENCING. MULTIPLE CELLS MAY BE CONSTRUCTED AND OPERATED AT A TIME. CELLS MAY ALSO BE CONSTRUCTED OUT-OF-SEQUENCE, WITH MINOR ADJUSTMENTS TO INTERCELL BOUNDARIES, OR SUBDIVIDED INTO PARTIAL CELL AREAS TO FACILITATE CLOSURE ACTIVITIES. REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
  - REFER TO DRAWINGS 33 THROUGH 37 FOR THE LEACHATE MANAGEMENT SYSTEM PLAN AND DETAILS.
  - THE PLANT UTILITY CORRIDOR REFERS TO A 100-FT WIDE CORRIDOR IMMEDIATELY EAST OF THE CONSOLIDATED LINED AREA THAT WILL BE CONSTRUCTED IN CONJUNCTION WITH THE CLOSURE PROJECT. CORRIDOR MAY BE USED FOR PLANT-RELATED UTILITIES AND INFRASTRUCTURE.



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REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

TOP OF LINER GRADING PLAN - SOUTH AP-1

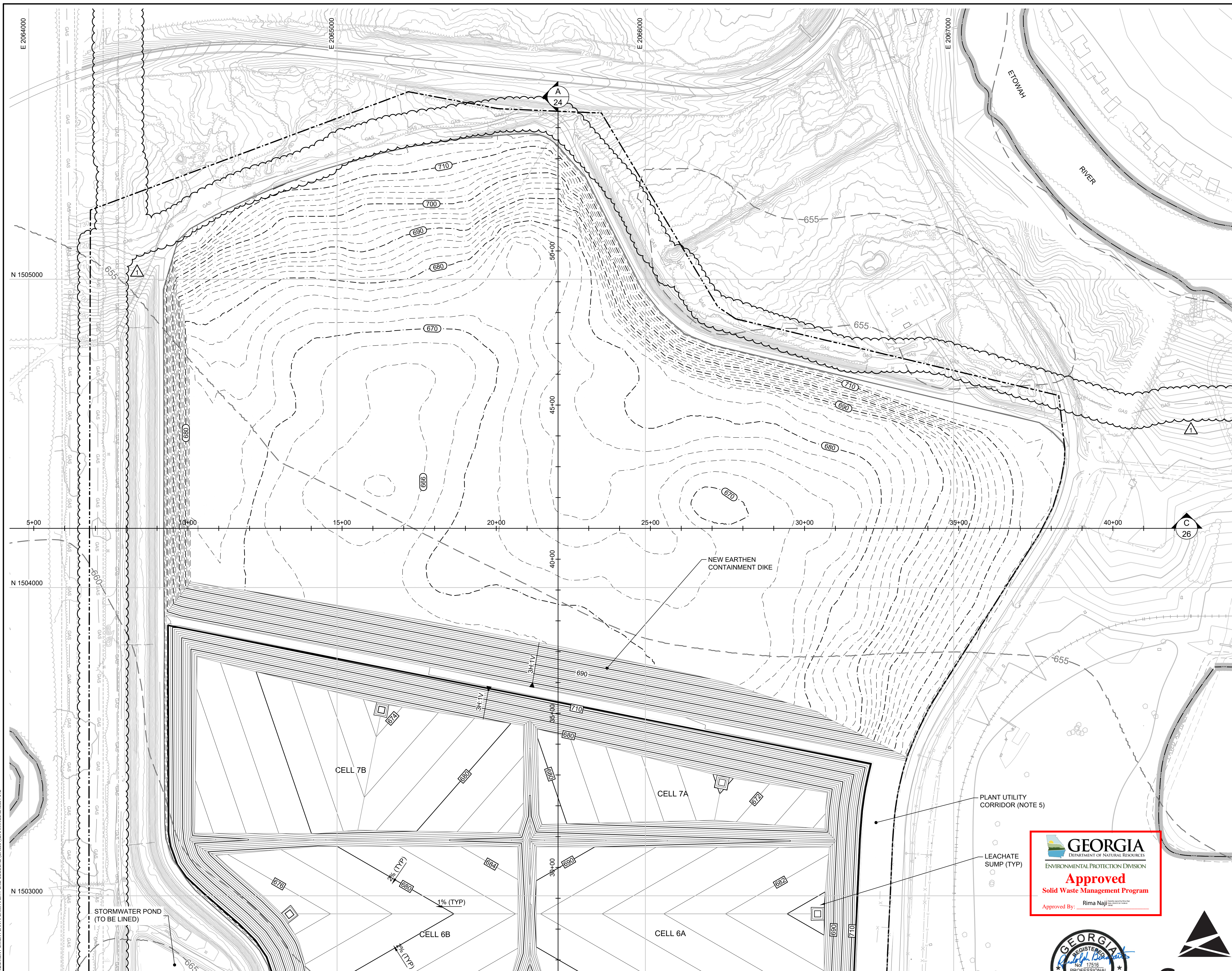
PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

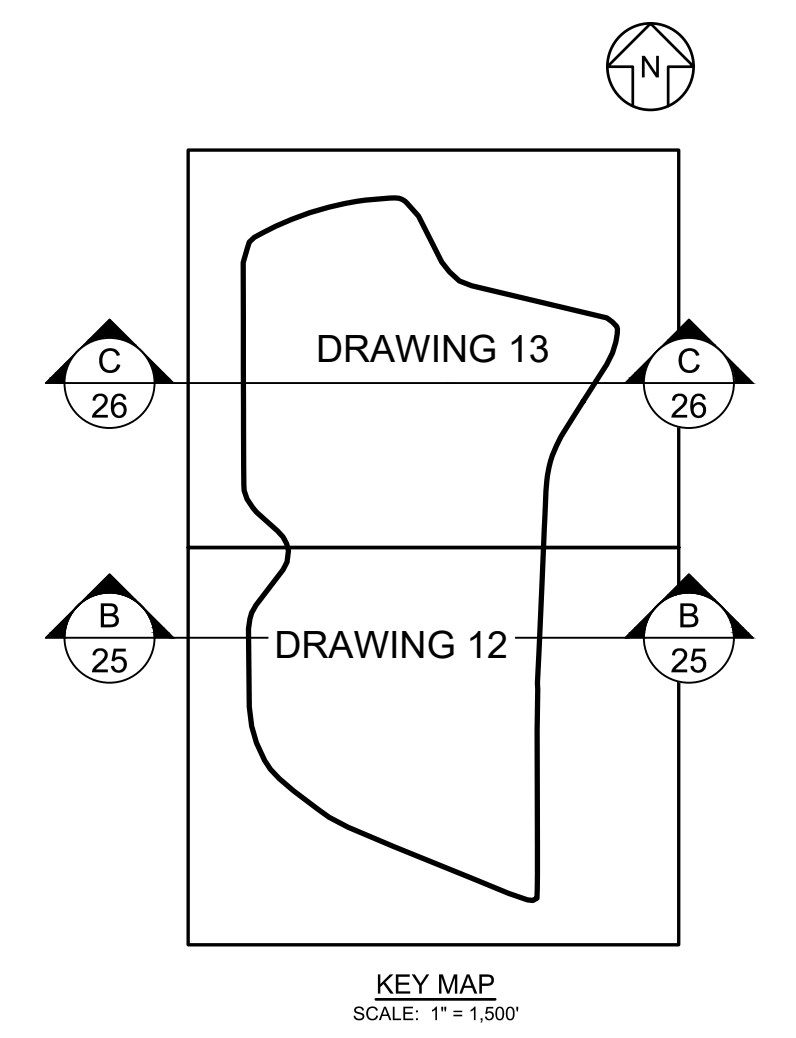
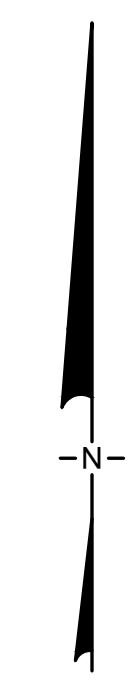
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DATE	AUGUST 2021				

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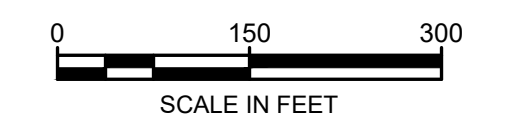


**LEGEND**

	710	EXISTING GROUND ELEVATION (FEET) (NOTE 1)
		PERMIT BOUNDARY
	670	EXCAVATION SURFACE ELEVATION (FEET)
	680	TOP OF LINER ELEVATION (FEET)
		LIMIT OF RETROFIT LINER
	680	APPROXIMATE EXISTING LIMIT OF AP-1 (NOTE 1)
	680	PREDICTED POST-CLOSURE SEASONAL HIGH GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION (FEET) (NOTE 1)
		LEACHATE SUMP



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF LINER GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE GEOMEMBRANE COMPONENT OF THE LINER SYSTEM WITHIN THE CONSOLIDATED LINED FOOTPRINT AREA. WITHIN THE REMAINDER OF AP-1 (OUTSIDE THE CONSOLIDATED LINED FOOTPRINT AREA), GRADES REPRESENT EXTERIOR NORTH AND SOUTH CONTAINMENT DIKE SLOPES, WHICH TIE-IN TO THE ESTIMATED BOTTOM OF EXCAVATION GRADES. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY. LOW POINTS OF CELLS WILL NOT BE LOWERED WITHOUT GA EPD APPROVAL. MINOR CHANGES TO LINER GRADES SHOWN ON THIS DRAWING MAY BE MADE DURING DETAILED DESIGN (E.G., RAISED TO PROVIDE SEPARATION FROM THE PREDICTED POST-CLOSURE SEASONAL HIGH GROUNDWATER POTENTIOMETRIC SURFACE PRESENTED IN THE "HYDROGEOLOGIC ASSESSMENT REPORT (REVISION 3)" (PART B, SECTION 2 OF THIS PERMIT APPLICATION)). LINER GRADES MAY BE RAISED AS NECESSARY DURING CONSTRUCTION BASED ON CONDITIONS ENCOUNTERED.
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  - REFER TO DRAWINGS 33 THROUGH 37 FOR THE LEACHATE MANAGEMENT SYSTEM PLAN AND DETAILS.
  - THE PLANT UTILITY CORRIDOR REFERS TO A 100-FT WIDE CORRIDOR IMMEDIATELY EAST OF THE CONSOLIDATED LINED AREA THAT WILL BE CONSTRUCTED IN CONJUNCTION WITH THE CLOSURE PROJECT. CORRIDOR MAY BE USED FOR PLANT-RELATED UTILITIES AND INFRASTRUCTURE.



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1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

TOP OF LINER GRADING PLAN - NORTH AP-1

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



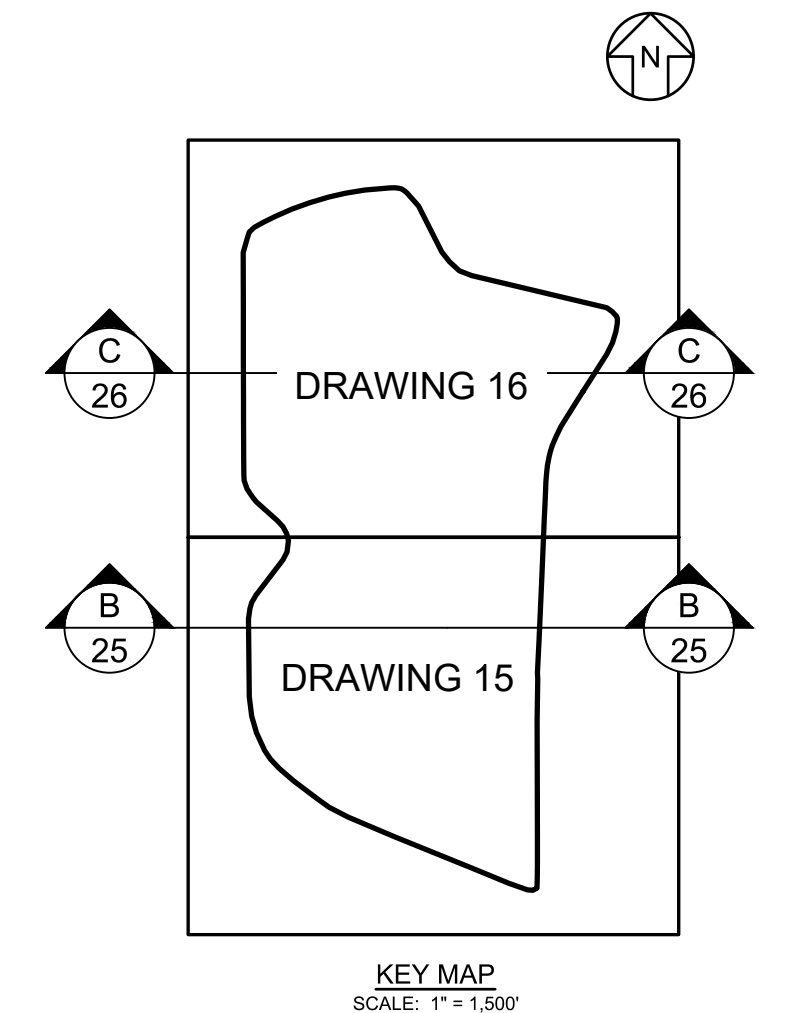
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA	PHONE: 678.202.9500 WWW.GEOSYNTEC.COM
PROJ. NO. GR6601	DWG. GR6601-012
SCALE 1" = 150'	EDIT 5/23/24
DATE AUGUST 2021	DRAWING 13 OF 50

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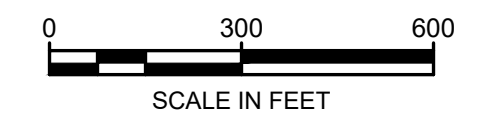


**LEGEND**

— 670 —	FINISHED GROUND ELEVATION (FEET)
- - - - -	PERMIT BOUNDARY
⊙ 770 ⊙	TOP OF CCR ELEVATION FOR SOIL-GEOSYNTHETIC COMPOSITE COVER (FEET)
— LOD —	LIMIT OF DISTURBANCE



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF CCR GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF CCR ELEVATIONS FOR THE SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER OPTION. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19.
  - REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
  - REFER TO DRAWINGS 38 THROUGH 49 FOR THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
  - FOR CLARITY, FINAL CLOSURE STORMWATER MANAGEMENT FEATURES ARE NOT SHOWN ON THIS DRAWING. REFER TO DRAWING 38 FOR A DRAWING SHOWING THE LAYOUT PLAN AND IDENTIFICATION OF THESE FEATURES.
  - THE PLANT UTILITY CORRIDOR REFERS TO A 100-FT WIDE CORRIDOR IMMEDIATELY EAST OF THE CONSOLIDATED LINED AREA THAT WILL BE CONSTRUCTED IN CONJUNCTION WITH THE CLOSURE PROJECT. CORRIDOR MAY BE USED FOR UTILITIES AND INFRASTRUCTURE.
  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**TOP OF CCR GRADING PLAN - OVERALL**

**PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA**



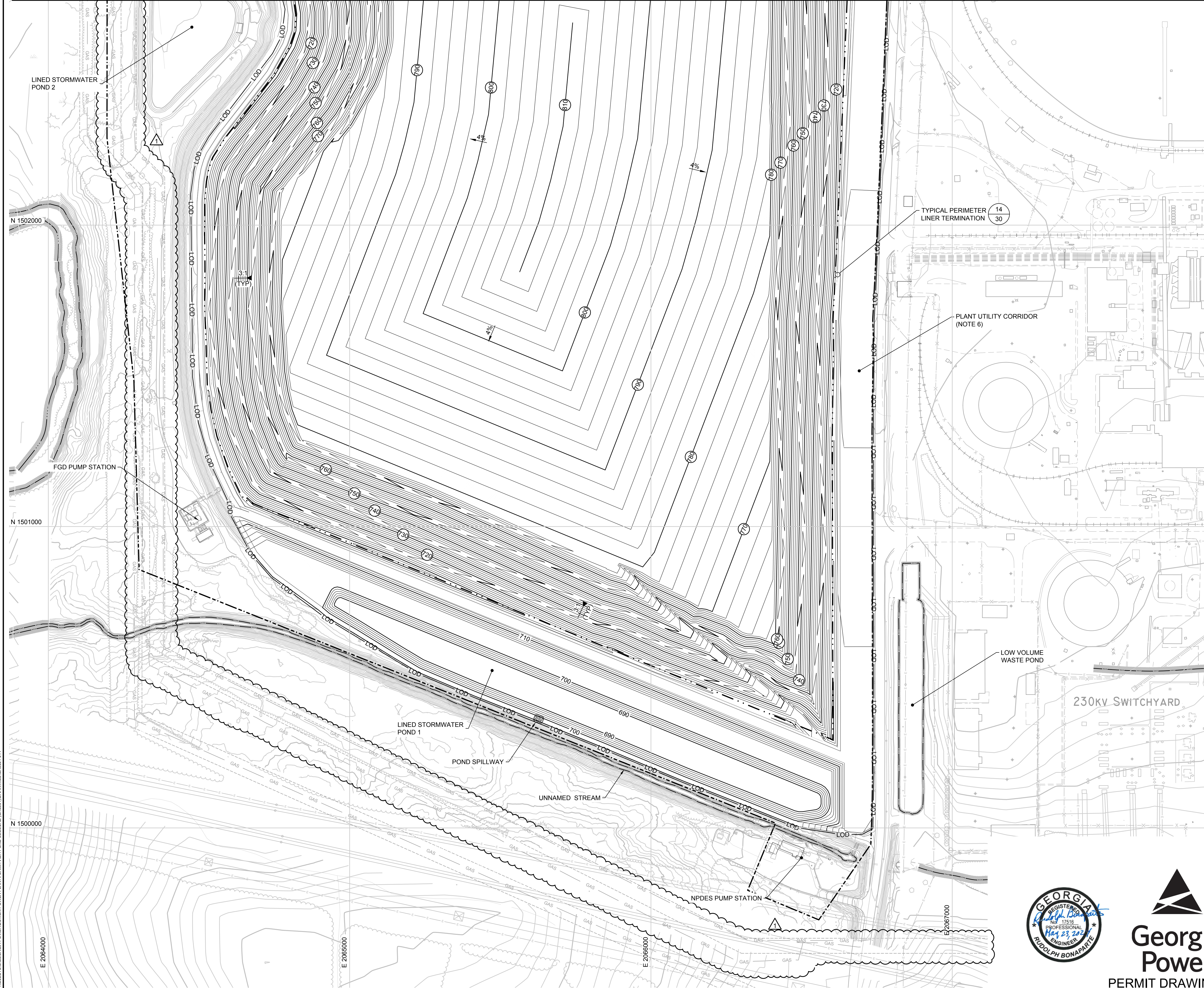
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.3660 WWW.GEOSYNTEC.COM	
PROJ. NO.	GR6601	DWG.	GR6601-013
SCALE	1" = 300'	EDIT	5/23/24
DATE	AUGUST 2021	DRAWING 14 OF 50	



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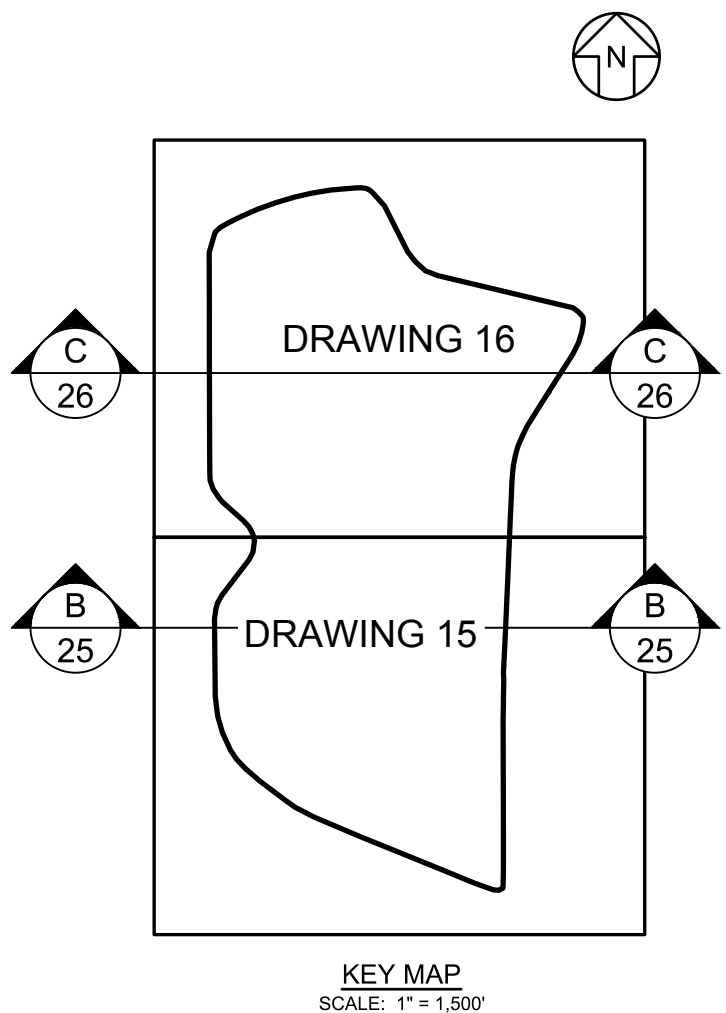
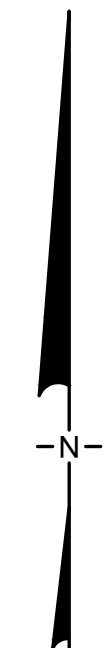
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MATCHLINE

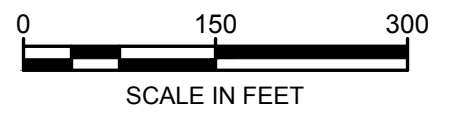


LEGEND

- 670 — FINISHED GROUND ELEVATION (FEET)
- 770 ○ TOP OF CCR ELEVATION FOR SOIL-GEOSYNTHETIC COMPOSITE COVER (FEET)
- - - PERMIT BOUNDARY
- LOD — LIMIT OF DISTURBANCE
- · · · · FINAL LIMIT OF CCR



- NOTES:
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF CCR GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF CCR ELEVATIONS FOR THE SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER OPTION. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19.
  - REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
  - REFER TO DRAWINGS 38 THROUGH 49 FOR THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
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1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

TOP OF CCR GRADING PLAN - SOUTH

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-014	EDIT	5/23/24
SCALE	1" = 150'	DRAWING 15 OF 50			
DATE	AUGUST 2021				



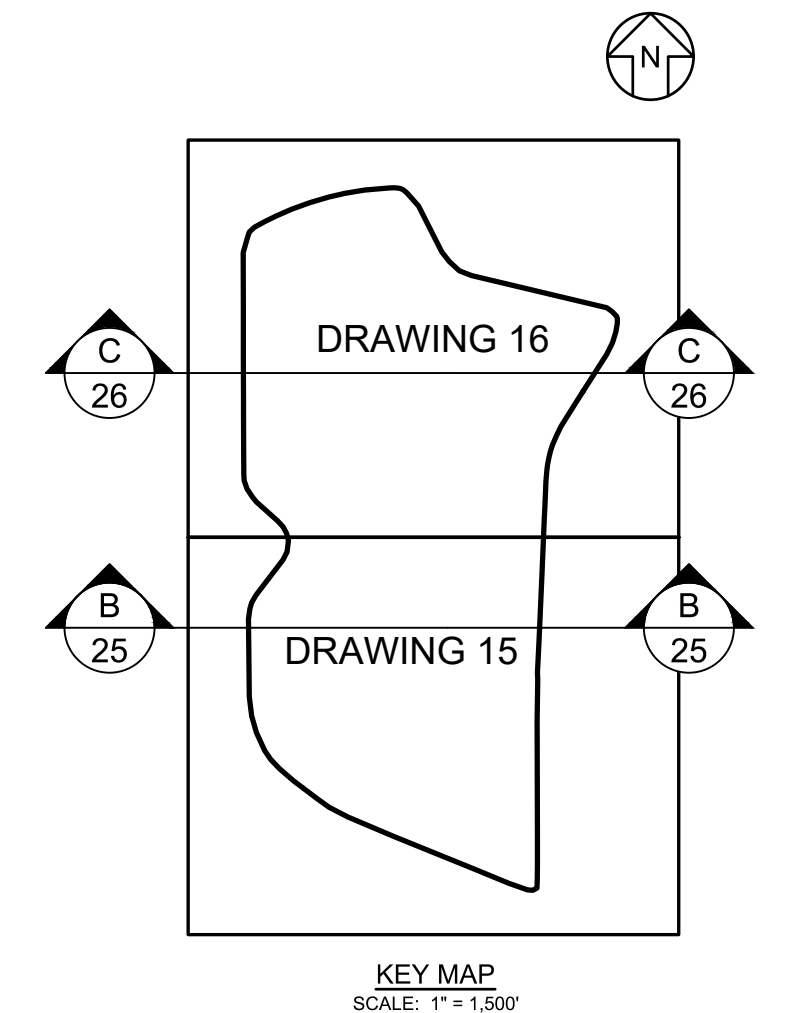
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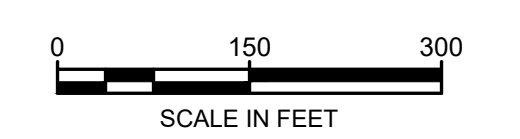


**LEGEND**

— 670 —	FINISHED GROUND ELEVATION (FEET)
○ 70 ○	TOP OF CCR ELEVATION FOR SOIL-GEOSYNTHETIC COMPOSITE COVER (FEET)
- - - - -	PERMIT BOUNDARY
— LOD —	LIMIT OF DISTURBANCE
· · · · ·	FINAL LIMIT OF CCR



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF CCR GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF CCR ELEVATIONS FOR THE SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER OPTION. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19.
  - REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
  - REFER TO DRAWINGS 38 THROUGH 49 FOR THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
  - FOR CLARITY, FINAL CLOSURE STORMWATER MANAGEMENT FEATURES ARE NOT SHOWN ON THIS DRAWING. REFER TO DRAWING 38 FOR A DRAWING SHOWING THE LAYOUT PLAN AND IDENTIFICATION OF THESE FEATURES.
  - THE PLANT UTILITY CORRIDOR REFERS TO A 100-FT WIDE CORRIDOR IMMEDIATELY EAST OF THE CONSOLIDATED LINED AREA THAT WILL BE CONSTRUCTED IN CONJUNCTION WITH THE CLOSURE PROJECT. CORRIDOR MAY BE USED FOR PLANT-RELATED UTILITIES AND INFRASTRUCTURE.
  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**TOP OF CCR GRADING PLAN - NORTH**

**PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA**



1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.9500 WWW.GEOSYNTEC.COM	
PROJ. NO.	GR6601	DWG.	GR6601-015
SCALE	1" = 150'	EDIT	5/23/24
DATE	AUGUST 2021	<b>DRAWING 16 OF 50</b>	



**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

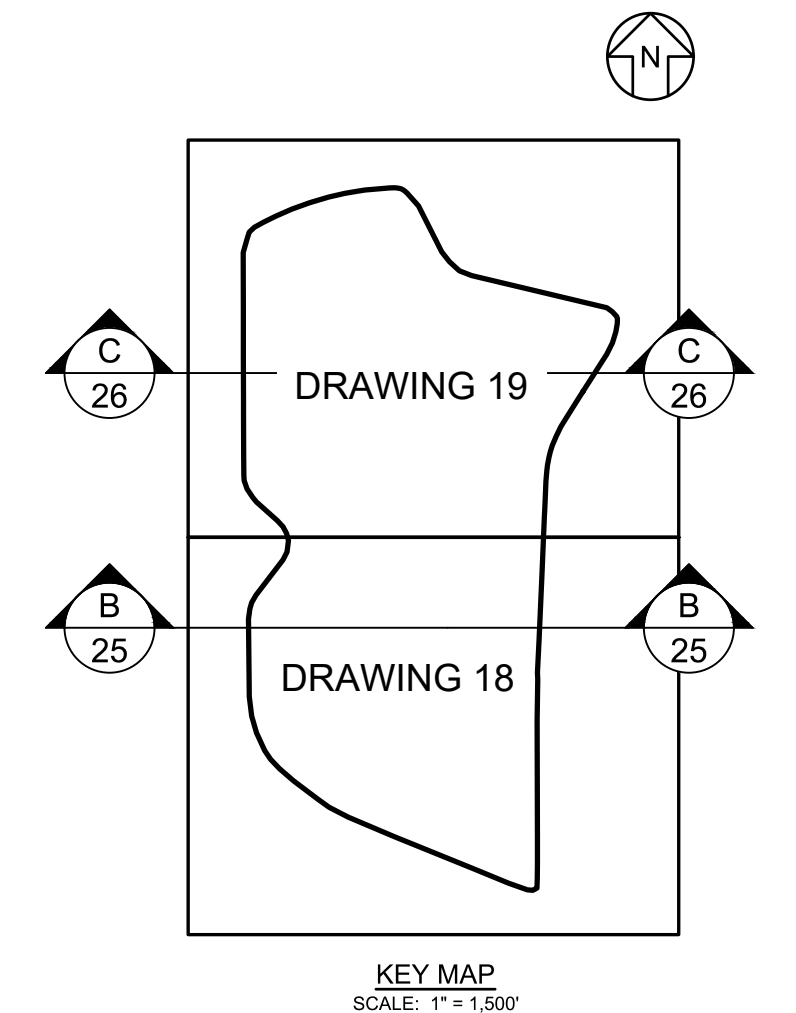
P:\CAD\PROJECTS\GEORGIA POWER\BOWEN POWER PLANT\PERMIT\ASH POND CLOSURE (DR6601)\DRAWINGS\DR6601-015

MATCHLINE



**LEGEND**

— 670 —	TOP OF FINAL COVER SYSTEM / TOP OF CCR FOR ALTERNATIVE COVER SYSTEM (CLOSURETURF® COVER) / FINISHED GRADE ELEVATION (FEET)
- - - - -	PERMIT BOUNDARY
— LOD —	LIMIT OF DISTURBANCE
- · - · - ·	FINAL LIMIT OF CCR



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF FINAL COVER GRADES SHOWN ON THIS DRAWING REPRESENT BOTH THE TOP OF SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND THE TOP OF CLOSURETURF® ALTERNATIVE FINAL COVER SYSTEM ELEVATIONS WITHIN THE FINAL COVER LIMITS. THESE GRADES ALSO REPRESENT THE TOP OF CCR ELEVATIONS FOR THE CLOSURETURF® ALTERNATIVE FINAL COVER SYSTEM. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19. BASED ON FIELD CONDITIONS ENCOUNTERED, THE ELEVATION OF THE FINAL COVER MAY VARY, PROVIDED THAT THE ENGINEERING DESIGN CRITERIA ARE MET. THE MAXIMUM FINAL COVER ELEVATION WILL NOT BE EXCEEDED WITHOUT GA EPD AUTHORIZATION.
  - REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
  - REFER TO DRAWINGS 38 THROUGH 49 FOR THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
  - FOR CLARITY, FINAL CLOSURE STORMWATER MANAGEMENT FEATURES ARE NOT SHOWN ON THIS DRAWING. REFER TO DRAWING 38 FOR A DRAWING SHOWING THE LAYOUT PLAN AND IDENTIFICATION OF THESE FEATURES.
  - THE PLANT UTILITY CORRIDOR REFERS TO A 100-FT WIDE CORRIDOR IMMEDIATELY EAST OF THE CONSOLIDATED LINED AREA THAT WILL BE CONSTRUCTED IN CONJUNCTION WITH THE CLOSURE PROJECT. CORRIDOR MAY BE USED FOR PLANT-RELATED UTILITIES AND INFRASTRUCTURE.
  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**FINAL CLOSURE GRADING PLAN - OVERALL**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9560  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-017	EDIT	5/23/24
SCALE	1" = 300'	DRAWING 17 OF 50			
DATE	AUGUST 2021				







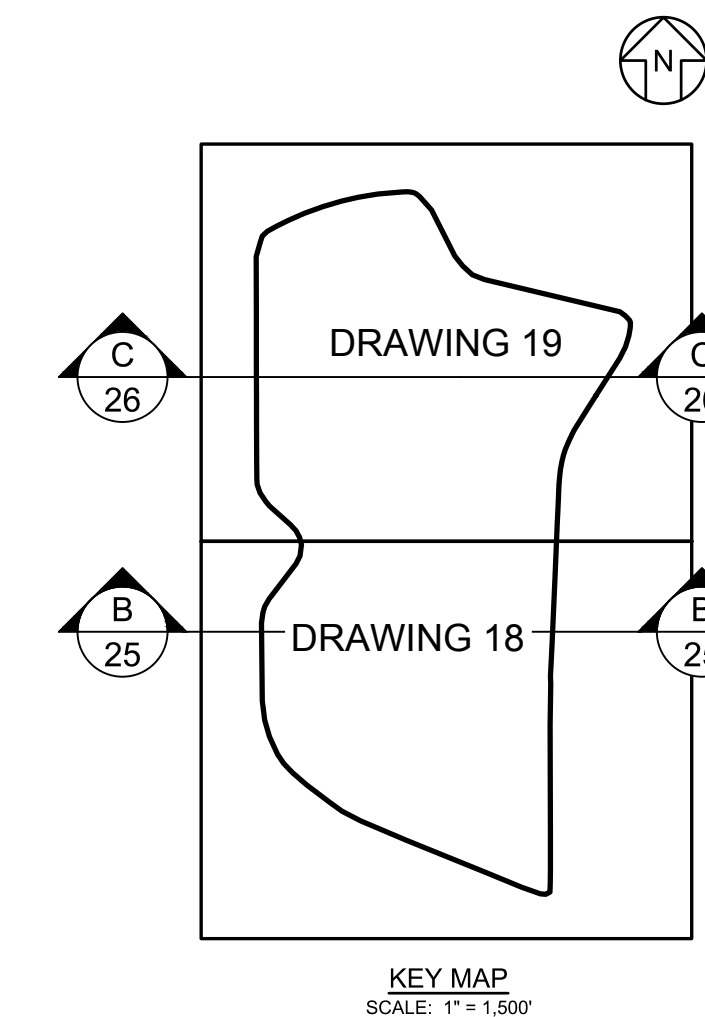
PERMIT DRAWING  
NOT FOR CONSTRUCTION

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MATCHLINE

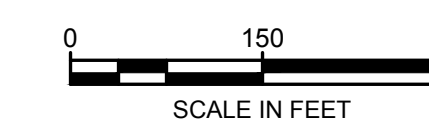
LEGEND

-  670 TOP OF FINAL COVER SYSTEM / TOP OF CCR FOR ALTERNATIVE COVER SYSTEM (CLOSURETURF® COVER) / FINISHED GRADE ELEVATION (FEET)
-  PERMIT BOUNDARY
-  LOD LIMIT OF DISTURBANCE
-  FINAL LIMIT OF CCR



NOTES:

1. SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
2. TOP OF FINAL COVER GRADES SHOWN ON THIS DRAWING REPRESENT BOTH THE TOP OF SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND THE TOP OF CLOSURETURF® ALTERNATIVE FINAL COVER SYSTEM ELEVATIONS WITHIN THE FINAL COVER LIMITS. THESE GRADES ALSO REPRESENT THE TOP OF CCR ELEVATIONS FOR THE CLOSURETURF® ALTERNATIVE FINAL COVER SYSTEM. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19. BASED ON FIELD CONDITIONS ENCOUNTERED, THE ELEVATION OF THE FINAL COVER MAY VARY, PROVIDED THAT THE ENGINEERING DESIGN CRITERIA ARE MET. THE MAXIMUM FINAL COVER ELEVATION WILL NOT BE EXCEEDED WITHOUT GA EPD AUTHORIZATION.
3. REFER TO DRAWINGS 20 THROUGH 23 FOR THE CLOSURE PHASING PLANS.
4. REFER TO DRAWINGS 38 THROUGH 49 FOR THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
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7. IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



**Georgia Power**  
 PERMIT DRAWING  
 NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**FINAL CLOSURE GRADING PLAN - SOUTH AP-1**

**PLANT BOWEN ASH POND 1 (AP-1)  
 CLOSURE DRAWINGS  
 BARTOW COUNTY, GEORGIA**

**Geosyntec**  
 consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200  
 KENNESAW, GEORGIA 30144 USA  
 PHONE: 678.202.9500  
 WWW.GEOSYNTEC.COM

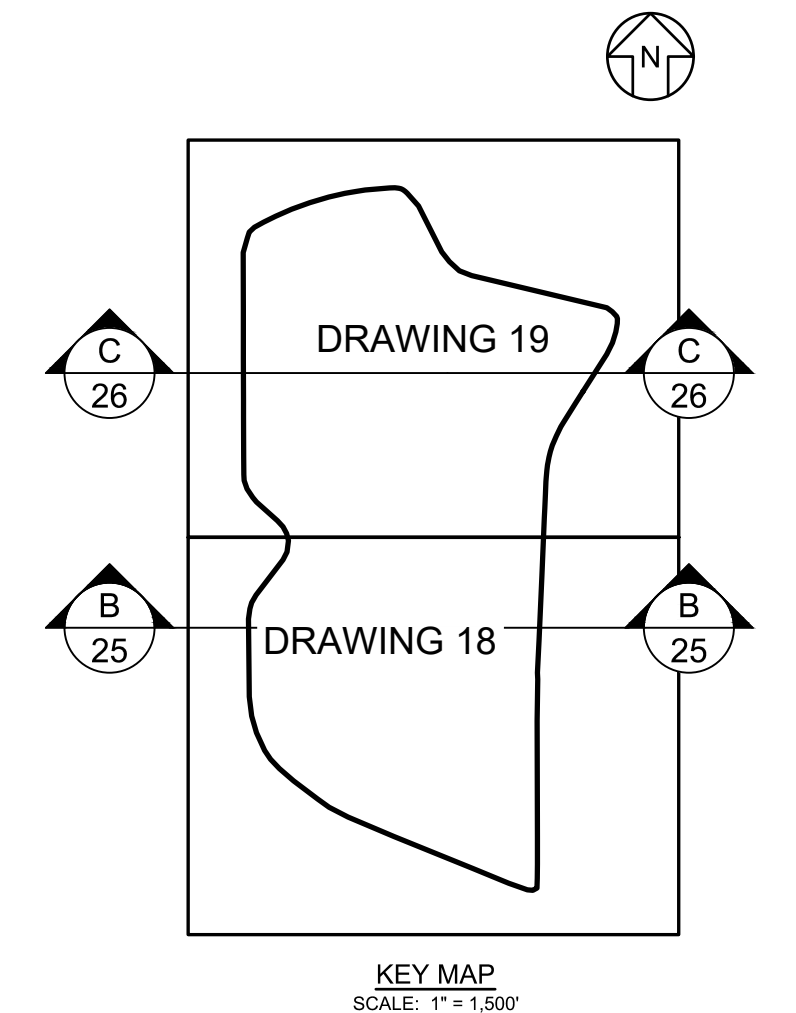
PROJ. NO.	GR6601	DWG.	GR6601-018	EDIT	5/23/24
SCALE	1" = 150'	<b>DRAWING 18 OF 50</b>			
DATE	AUGUST 2021				

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**LEGEND**

— 670 —	TOP OF FINAL COVER SYSTEM / TOP OF CCR FOR ALTERNATIVE COVER SYSTEM (CLOSURETURF® COVER) / FINISHED GRADE ELEVATION (FEET)
- - - - -	PERMIT BOUNDARY
— LOD —	LIMIT OF DISTURBANCE
- · - · - ·	FINAL LIMIT OF CCR



- NOTES:
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF FINAL COVER GRADES SHOWN ON THIS DRAWING REPRESENT BOTH THE TOP OF SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND THE TOP OF CLOSURETURF® ALTERNATIVE FINAL COVER SYSTEM ELEVATIONS WITHIN THE FINAL COVER LIMITS. THESE GRADES ALSO REPRESENT THE TOP OF CCR ELEVATIONS FOR THE CLOSURETURF® ALTERNATIVE FINAL COVER SYSTEM. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19. BASED ON FIELD CONDITIONS ENCOUNTERED, THE ELEVATION OF THE FINAL COVER MAY VARY, PROVIDED THAT THE ENGINEERING DESIGN CRITERIA ARE MET. THE MAXIMUM FINAL COVER ELEVATION WILL NOT BE EXCEEDED WITHOUT GA EPD AUTHORIZATION.
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  - REFER TO DRAWINGS 38 THROUGH 49 FOR THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
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  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



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1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

FINAL CLOSURE GRADING PLAN - NORTH AP-1

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.8660  
WWW.GEOSYNTEC.COM

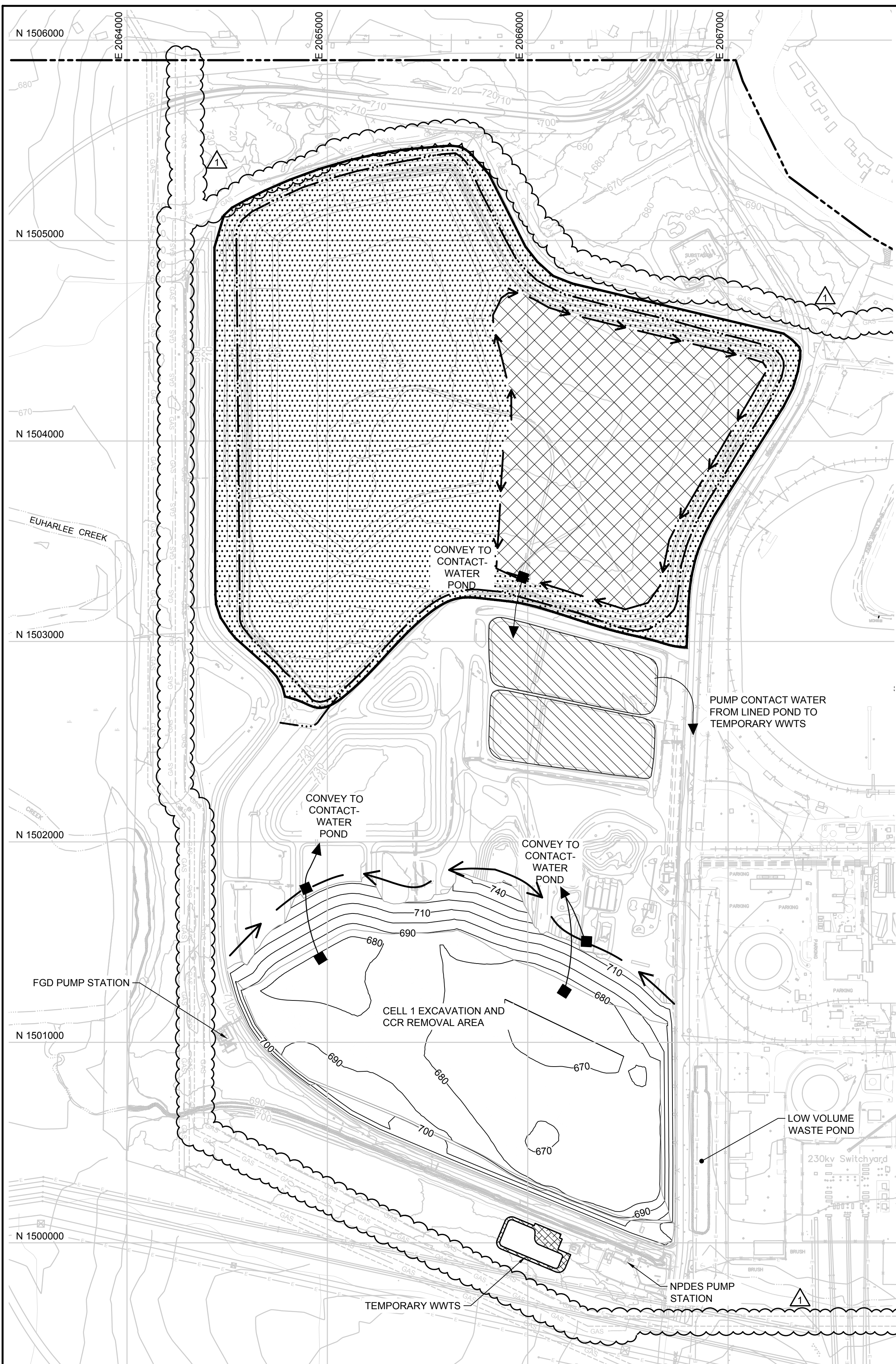
PROJ. NO.	GR6601	DWG.	GR6601-019	EDIT	5/23/24
SCALE	1" = 150'	DRAWING 19 OF 50			
DATE	AUGUST 2021				



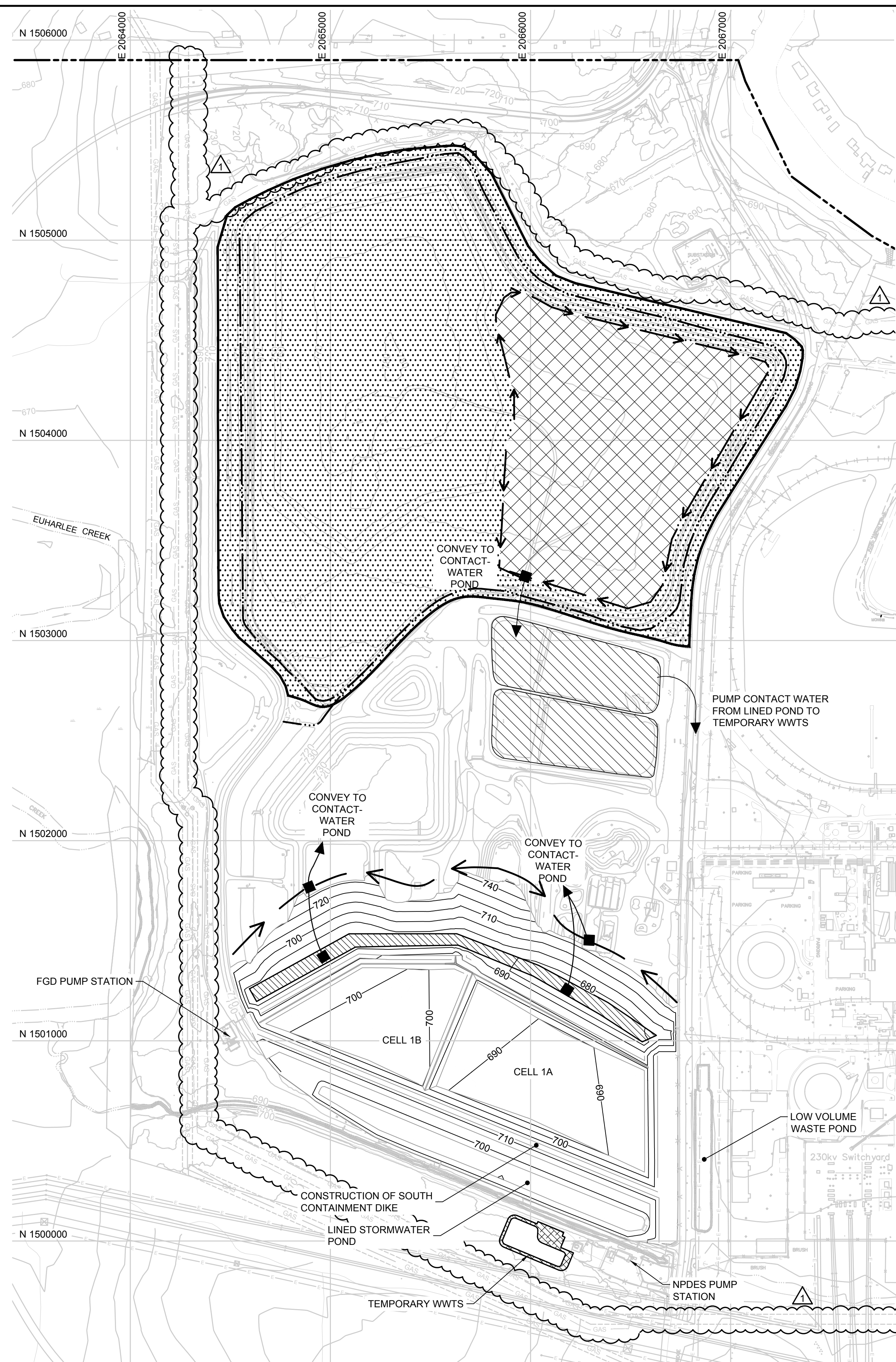
PERMIT DRAWING  
NOT FOR CONSTRUCTION

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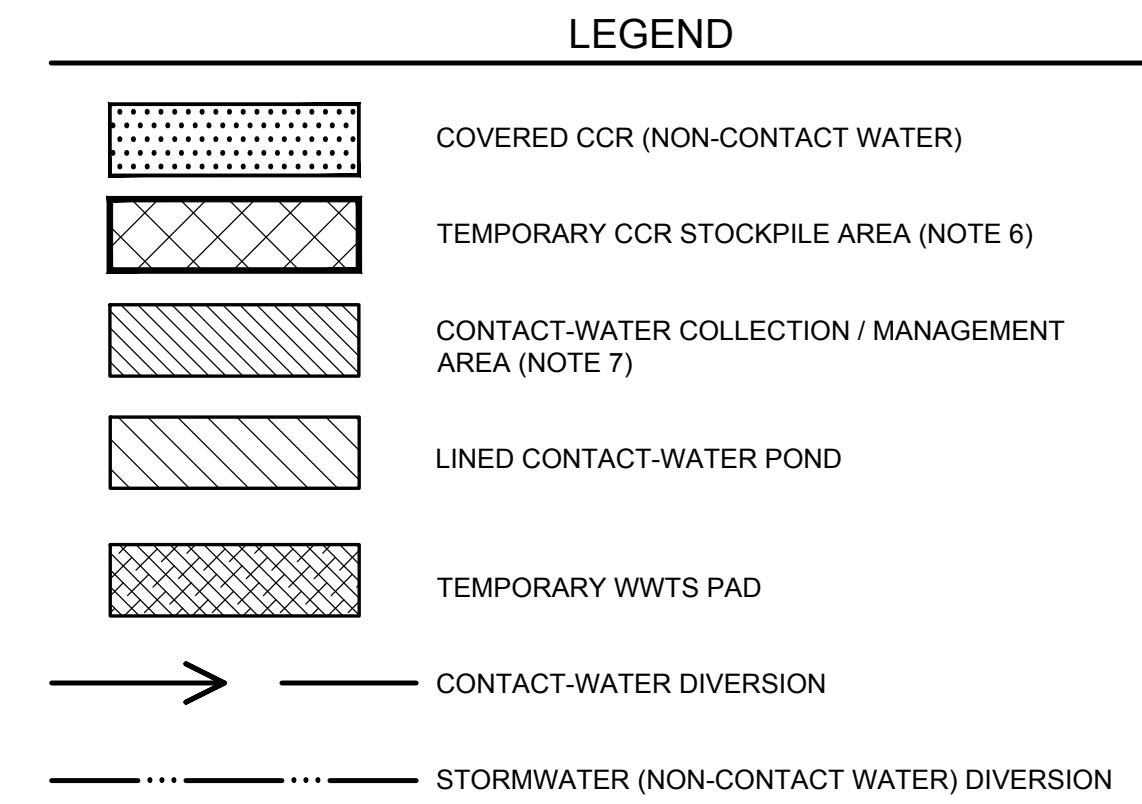
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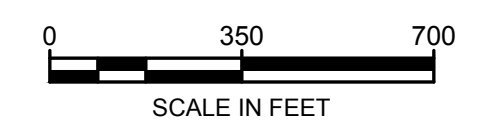
PHASE 1  
INITIAL CCR EXCAVATION



PHASE 2  
CELL 1 CONSTRUCTION



- NOTES:
1. PHASING APPROACH IS CONCEPTUAL, AND WILL BE REFINED DURING DETAILED DESIGN. IN ADDITION, CONTRACTOR WILL HAVE DISCRETION TO ADJUST PHASE BOUNDARIES AND SEQUENCE, STOCKPILE LOCATION(S), AND CONTACT-WATER COLLECTION / MANAGEMENT AREAS, BASED ON FIELD CONDITIONS ENCOUNTERED AND TO FACILITATE CONSTRUCTION, AS APPROVED BY GEORGIA POWER COMPANY, WITH REQUIREMENT THAT DESIGN CRITERIA INCLUDING THOSE RELATED TO STORMWATER AND CONTACT WATER MANAGEMENT, ARE MET.
  2. STORMWATER AND CONTACT-WATER MANAGEMENT WILL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE "CLOSURE PLAN" (PART A, SECTION 7 OF THIS PERMIT APPLICATION). DESIGN CRITERIA AND EVALUATION OF CASES RELATED TO THE CLOSURE PHASES PRESENTED HEREIN ARE PROVIDED IN A CALCULATION PACKAGE FOR INTERIM STORMWATER MANAGEMENT CONDITIONS, INCLUDED IN THE "ENGINEERING REPORT" (PART B, SECTION 3 OF THIS PERMIT APPLICATION).
  3. DURING CLOSURE CONSTRUCTION, CONTACT WATER WILL BE PUMPED OR CONVEYED BY GRAVITY TO LINED CONTACT-WATER PONDS WITHIN AP-1, WHERE IT WILL BE TEMPORARILY STORED AND THEN PUMPED TO AN ON-SITE TEMPORARY WASTEWATER TREATMENT SYSTEM (WWTS) OR OTHERWISE PROPERLY MANAGED IN ACCORDANCE WITH THE PLANT'S NPDES PERMIT REQUIREMENTS. NON-CONTACT STORMWATER WILL BE MANAGED IN ACCORDANCE WITH APPLICABLE EROSION AND SEDIMENT CONTROL FEATURES AND REQUIREMENTS PROVIDED IN THIS SET OF CLOSURE DRAWINGS, AND THEN DISCHARGED THROUGH EXISTING OR NEW STORMWATER PONDS TO RECEIVING WATER BODIES WITHOUT TREATMENT.
  4. CONTRACTOR WILL BE REQUIRED TO TAKE REASONABLE MEASURES TO MINIMIZE STORMWATER RUN-ON INTO THE CONTACT-WATER COLLECTION / MANAGEMENT AREAS. MINIMIZATION TECHNIQUES MAY INCLUDE THE CONSTRUCTION OF TEMPORARY DIVERSION BERMS OR CHANNELS TO DIVERT STORMWATER AWAY FROM THE COLLECTION / MANAGEMENT AREAS.
  5. COVER SYSTEM WILL BE TEMPORARILY TERMINATED AT CLOSURE INCREMENT PHASE BOUNDARIES AS SHOWN IN DETAILS 12 AND 13 ON DRAWING 29 FOR FINAL COVER SYSTEM (SOIL-GEOSYNTHETIC COMPOSITE COVER) AND ALTERNATIVE COVER SYSTEM (CLOSURETURF® COVER), RESPECTIVELY. CLOSURE INCREMENTS ARE APPROXIMATE FOR ILLUSTRATIVE PURPOSES, AND MAY BE ADJUSTED DURING CLOSURE.
  6. TEMPORARY CCR STOCKPILE AREA(S) SHOWN ARE CONCEPTUAL AND THEIR LOCATIONS AND SIZES WILL BE REFINED DURING DETAILED DESIGN.
  7. CONTACT-WATER COLLECTION / MANAGEMENT AREAS SHOWN ON THIS DRAWING MAY BE ADJUSTED OR SUPPLEMENTED DURING CONSTRUCTION AS NEEDED. CONTACT WATER WILL BE PROMPTLY TRANSFERRED TO THE LINED CONTACT-WATER POND TO MINIMIZE DURATION OF PONDING WITHIN AP-1 EXCAVATIONS.
  8. TEMPORARY LINED STORMWATER PONDS (NON-CONTACT WATER) MAY BE UTILIZED DURING CONSTRUCTION AS NEEDED.
  9. FOR PHASES WHERE COVERED CCR SHADING ENCLOSES ON ACTIVE CCR PLACEMENT, THIS INDICATES WHERE A TEMPORARY OR FINAL COVER SYSTEM INCREMENT MAY BE INSTALLED ONCE FINISHED WASTE GRADES ARE ACHIEVED FOR THAT PHASE.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

CLOSURE PHASING PLANS I  
PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

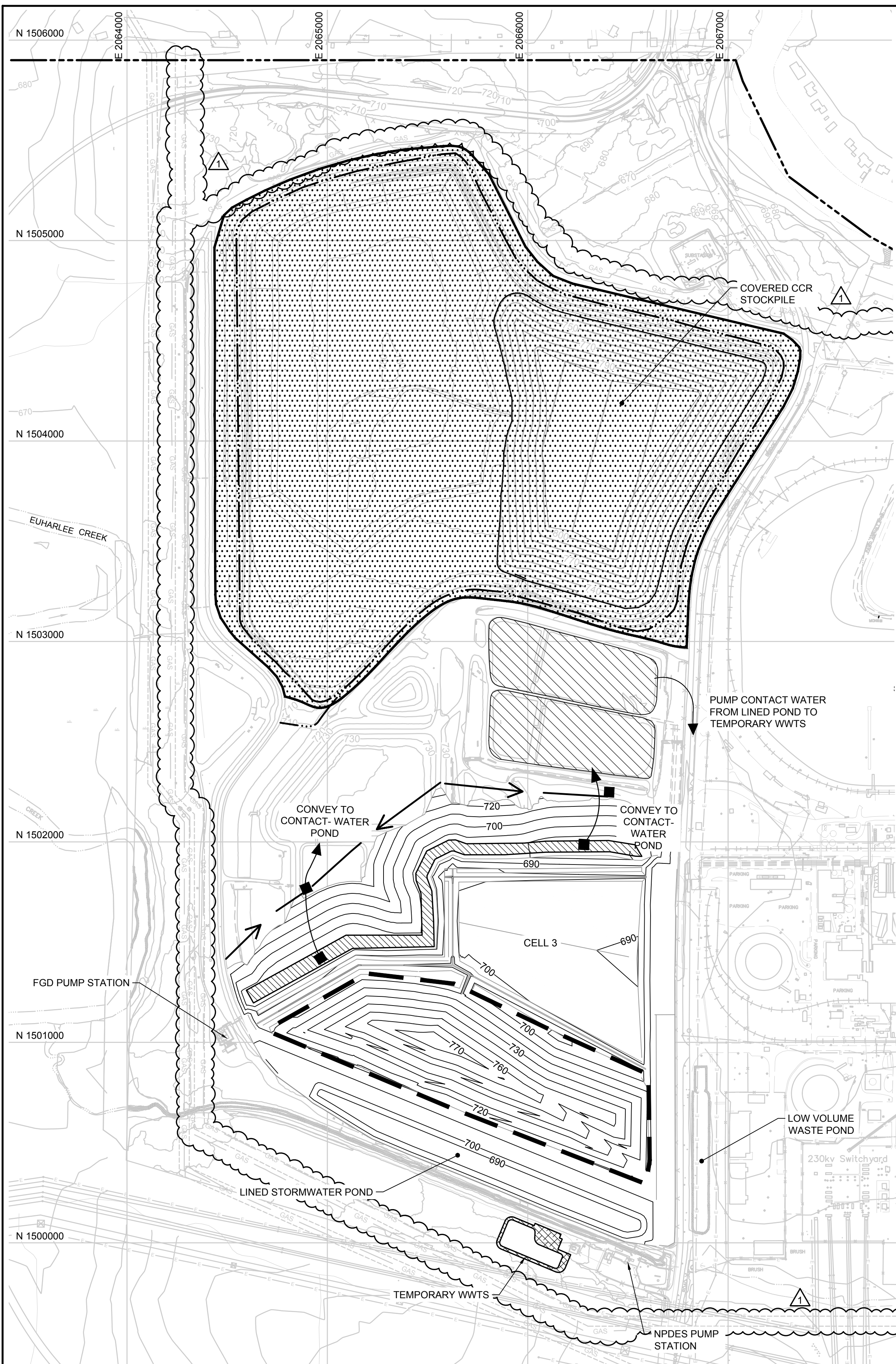
1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-020	EDIT	5/23/24
SCALE	1" = 350'		DRAWING 20 OF 50		
DATE	AUGUST 2021				

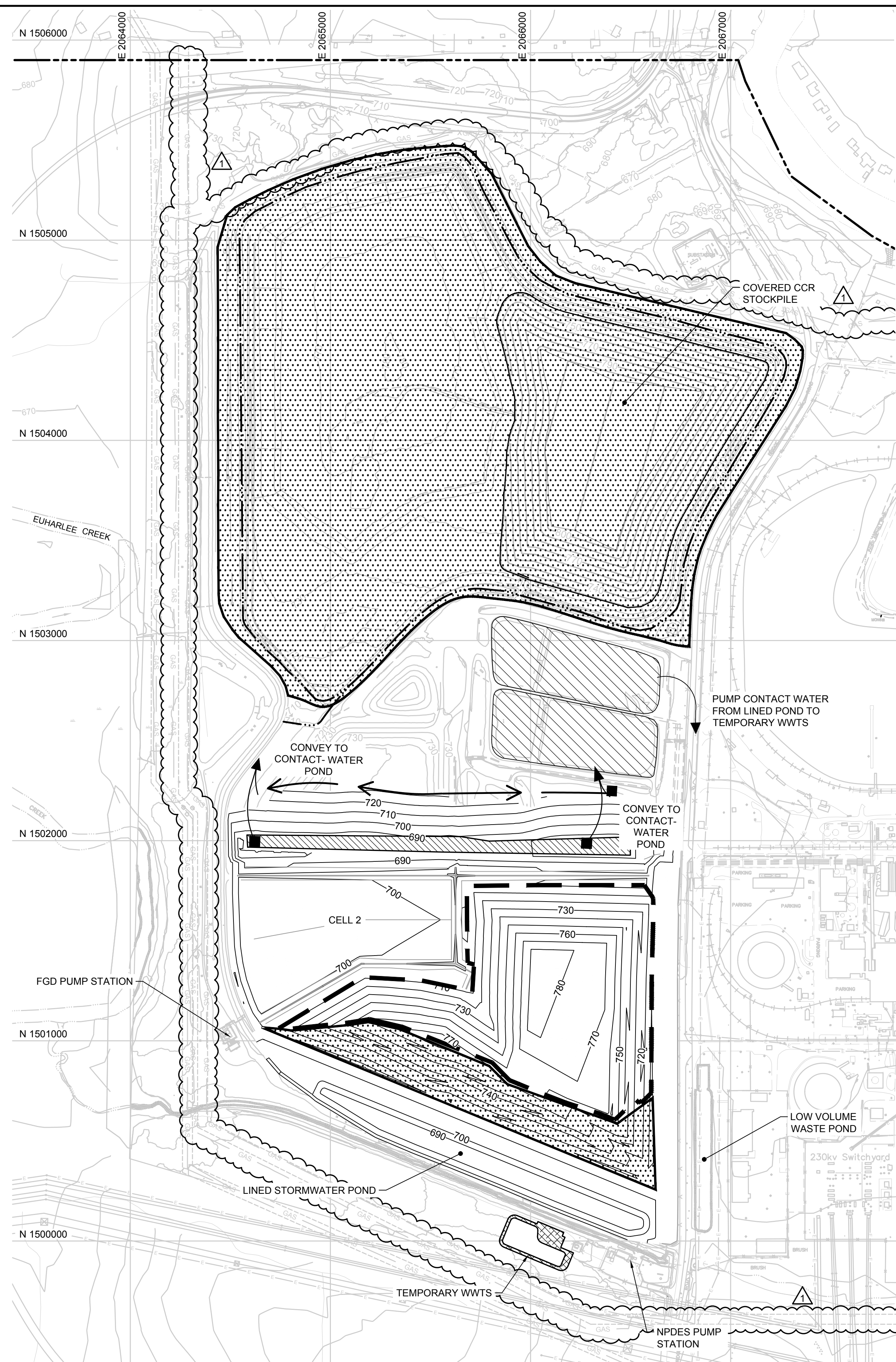


PERMIT DRAWING  
NOT FOR CONSTRUCTION

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PHASE 3  
CELL 3 CONSTRUCTION AND  
CELL 1 FILLING



PHASE 4  
CELL 2 CONSTRUCTION AND  
CELLS 1 & 3 FILLING

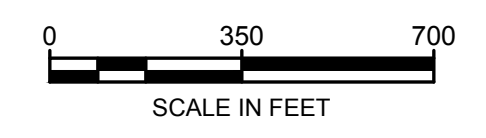
**LEGEND**

- COVERED CCR (NON-CONTACT WATER)
- ACTIVE CCR PLACEMENT IN LINED CLOSURE AREA (NOTE 9)
- CONTACT-WATER COLLECTION / MANAGEMENT AREA (NOTE 7)
- LINED CONTACT-WATER POND
- TEMPORARY WWTS PAD
- CONTACT WATER DIVERSION
- STORMWATER (NON-CONTACT WATER) DIVERSION



**NOTES:**

1. THIS PHASING APPROACH IS CONCEPTUAL, AND WILL BE REFINED DURING DETAILED DESIGN. IN ADDITION, CONTRACTOR WILL HAVE DISCRETION TO ADJUST PHASE BOUNDARIES AND SEQUENCE, STOCKPILE LOCATION(S), AND CONTACT-WATER COLLECTION / MANAGEMENT AREAS, BASED ON FIELD CONDITIONS ENCOUNTERED AND TO FACILITATE CONSTRUCTION, AS APPROVED BY GEORGIA POWER COMPANY, WITH REQUIREMENT THAT DESIGN CRITERIA INCLUDING THOSE RELATED TO STORMWATER AND CONTACT WATER MANAGEMENT, ARE MET.
2. STORMWATER AND CONTACT-WATER MANAGEMENT WILL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE "CLOSURE PLAN" (PART A, SECTION 7 OF THIS PERMIT APPLICATION). DESIGN CRITERIA AND EVALUATION OF CASES RELATED TO THE CLOSURE PHASES PRESENTED HEREIN ARE PROVIDED IN A CALCULATION PACKAGE FOR INTERIM STORMWATER MANAGEMENT CONDITIONS, INCLUDED IN THE "ENGINEERING REPORT" (PART B, SECTION 3 OF THIS PERMIT APPLICATION).
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REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

CLOSURE PHASING PLANS 2

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
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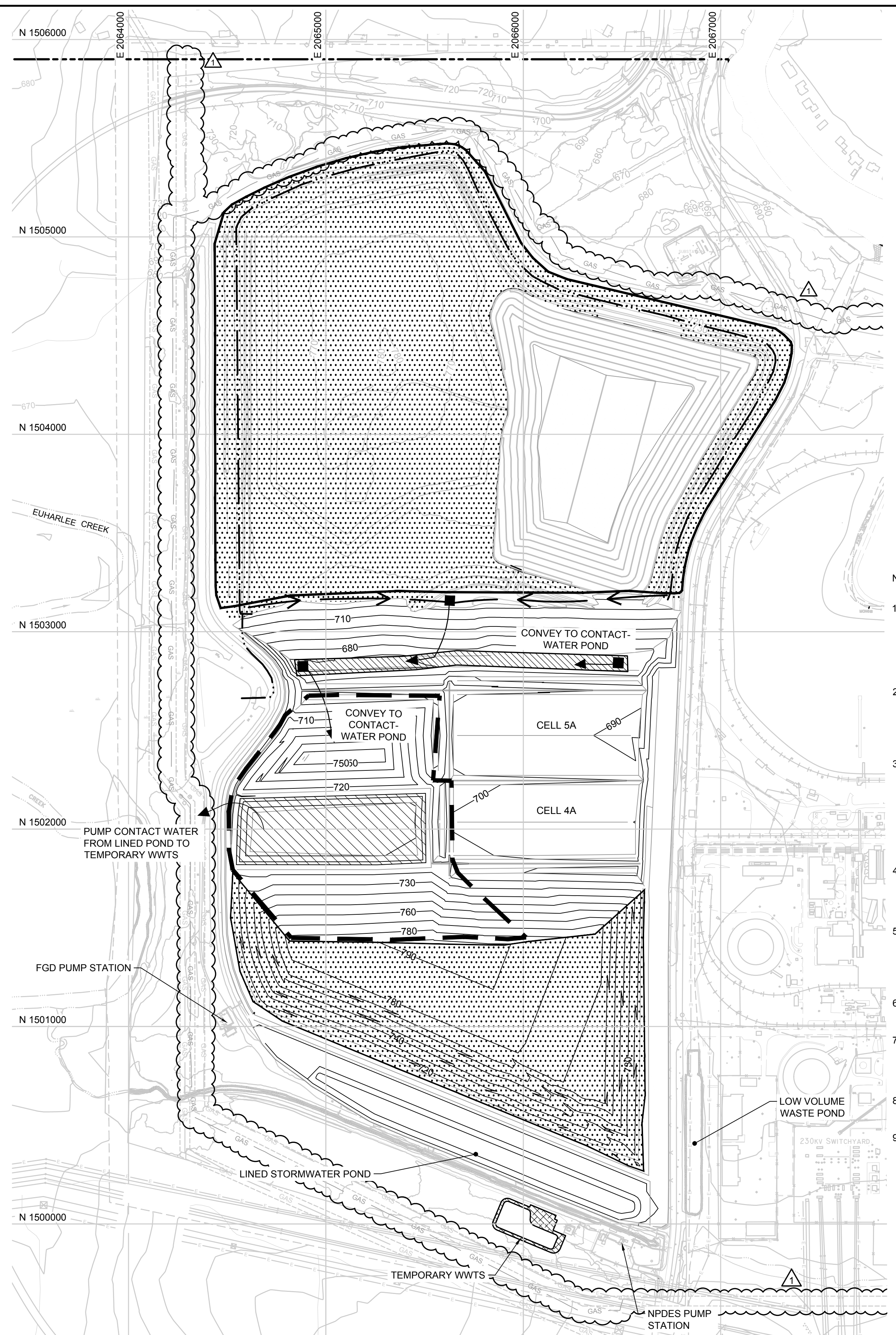
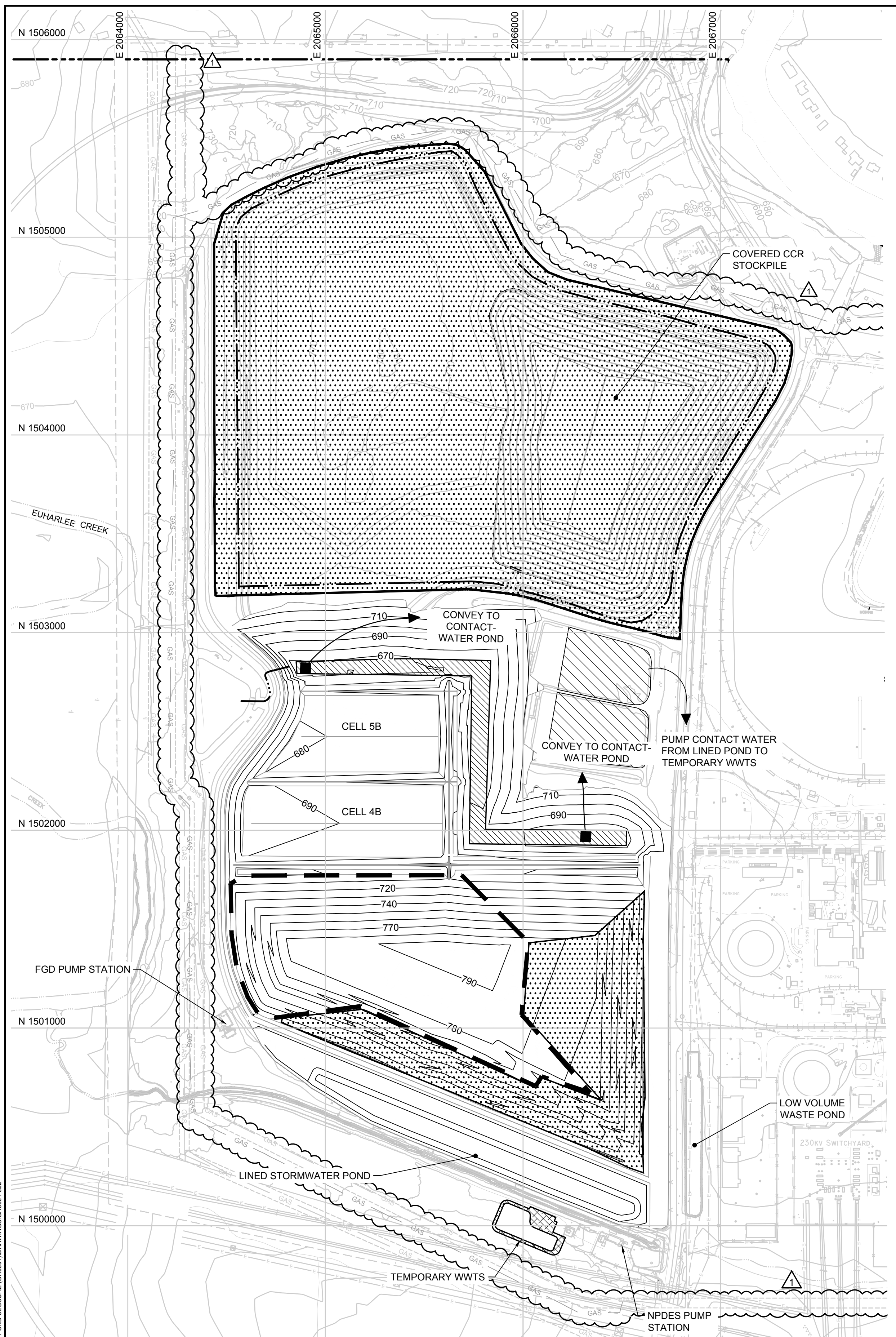
PROJ. NO.	GR6601	DWG.	GR6601-021	EDIT	5/23/24
SCALE	1" = 350'				
DATE	AUGUST 2021				

DRAWING 21 OF 50



PERMIT DRAWING  
NOT FOR CONSTRUCTION

P:\CAD\PROJECTS\GEORGIA POWER\BOWEN POWER PLANT\PERMIT\ASH POND CLOSURE (DR6601)DRAWINGS\DR6601-021

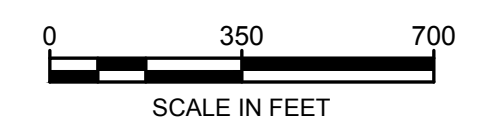


**LEGEND**

- COVERED CCR (NON-CONTACT WATER)
- ACTIVE CCR PLACEMENT IN LINED CLOSURE AREA (NOTE 9)
- CONTACT-WATER COLLECTION / MANAGEMENT AREA (NOTE 7)
- LINED CONTACT-WATER POND
- TEMPORARY WWTS PAD
- CONTACT WATER DIVERSION
- STORMWATER (NON-CONTACT WATER) DIVERSION



- NOTES:**
- THIS PHASING APPROACH IS CONCEPTUAL, AND WILL BE REFINED DURING DETAILED DESIGN. IN ADDITION, CONTRACTOR WILL HAVE DISCRETION TO ADJUST PHASE BOUNDARIES AND SEQUENCE, STOCKPILE LOCATION(S), AND CONTACT-WATER COLLECTION / MANAGEMENT AREAS, BASED ON FIELD CONDITIONS ENCOUNTERED AND TO FACILITATE CONSTRUCTION, AS APPROVED BY GEORGIA POWER COMPANY, WITH REQUIREMENT THAT DESIGN CRITERIA INCLUDING THOSE RELATED TO STORMWATER AND CONTACT WATER MANAGEMENT, ARE MET.
  - STORMWATER AND CONTACT-WATER MANAGEMENT WILL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE "CLOSURE PLAN" (PART A, SECTION 7 OF THIS PERMIT APPLICATION). DESIGN CRITERIA AND EVALUATION OF CASES RELATED TO THE CLOSURE PHASES PRESENTED HEREIN ARE PROVIDED IN A CALCULATION PACKAGE FOR INTERIM STORMWATER MANAGEMENT CONDITIONS, INCLUDED IN THE "ENGINEERING REPORT" (PART B, SECTION 3 OF THIS PERMIT APPLICATION).
  - DURING CLOSURE CONSTRUCTION, CONTACT WATER WILL BE PUMPED OR CONVEYED BY GRAVITY TO LINED CONTACT-WATER PONDS WITHIN AP-1, WHERE IT WILL BE TEMPORARILY STORED AND THEN PUMPED TO AN ON-SITE TEMPORARY WASTEWATER TREATMENT SYSTEM (WWTS) OR OTHERWISE PROPERLY MANAGED IN ACCORDANCE WITH THE PLANT'S NPDES PERMIT REQUIREMENTS. NON-CONTACT STORMWATER WILL BE MANAGED IN ACCORDANCE WITH APPLICABLE EROSION AND SEDIMENT CONTROL FEATURES AND REQUIREMENTS PROVIDED IN THIS SET OF CLOSURE DRAWINGS, AND THEN DISCHARGED THROUGH EXISTING OR NEW STORMWATER PONDS TO RECEIVING WATER BODIES WITHOUT TREATMENT.
  - CONTRACTOR WILL BE REQUIRED TO TAKE REASONABLE MEASURES TO MINIMIZE STORMWATER RUN-ON INTO THE CONTACT-WATER COLLECTION / MANAGEMENT AREAS. MINIMIZATION TECHNIQUES MAY INCLUDE THE CONSTRUCTION OF TEMPORARY DIVERSION BERMS OR CHANNELS TO DIVERT STORMWATER AWAY FROM THE COLLECTION / MANAGEMENT AREAS.
  - COVER SYSTEM WILL BE TEMPORARILY TERMINATED AT CLOSURE INCREMENT PHASE BOUNDARIES AS SHOWN IN DETAILS 12 AND 13 ON DRAWING 29 FOR FINAL COVER SYSTEM (SOIL-GEOSYNTHETIC COMPOSITE COVER) AND ALTERNATIVE COVER SYSTEM (CLOSURETURF® COVER), RESPECTIVELY. CLOSURE INCREMENTS ARE APPROXIMATE FOR ILLUSTRATIVE PURPOSES, AND MAY BE ADJUSTED DURING CLOSURE.
  - TEMPORARY CCR STOCKPILE AREA(S) SHOWN ARE CONCEPTUAL AND THEIR LOCATIONS AND SIZES WILL BE REFINED DURING DETAILED DESIGN.
  - CONTACT-WATER COLLECTION / MANAGEMENT AREAS SHOWN ON THIS DRAWING MAY BE ADJUSTED OR SUPPLEMENTED DURING CONSTRUCTION AS NEEDED. CONTACT WATER WILL BE PROMPTLY TRANSFERRED TO THE LINED CONTACT-WATER POND TO MINIMIZE DURATION OF PONDING WITHIN AP-1 EXCAVATIONS.
  - TEMPORARY LINED STORMWATER PONDS (NON-CONTACT WATER) MAY BE UTILIZED DURING CONSTRUCTION AS NEEDED.
  - FOR PHASES WHERE COVERED CCR SHADING ENCLOSES ON ACTIVE CCR PLACEMENT, THIS INDICATES WHERE A TEMPORARY OR FINAL COVER SYSTEM INCREMENT MAY BE INSTALLED ONCE FINISHED WASTE GRADES ARE ACHIEVED FOR THAT PHASE.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**CLOSURE PHASING PLANS 3**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec consultants**

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

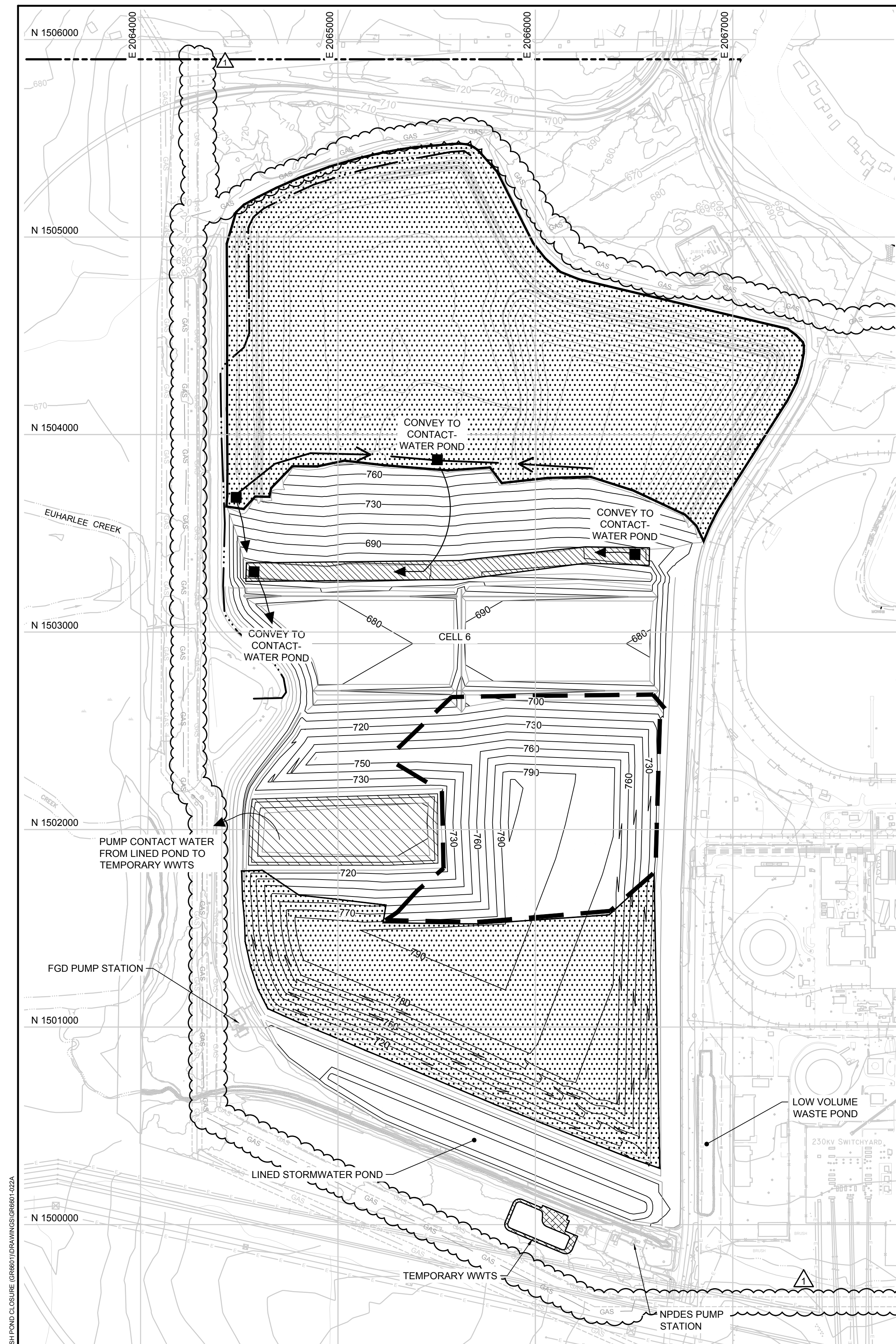
PROJ. NO.	GR6601	DWG.	GR6601-022	EDIT	5/23/24
SCALE	1" = 350'				
DATE	AUGUST 2021				

DRAWING 22 OF 50

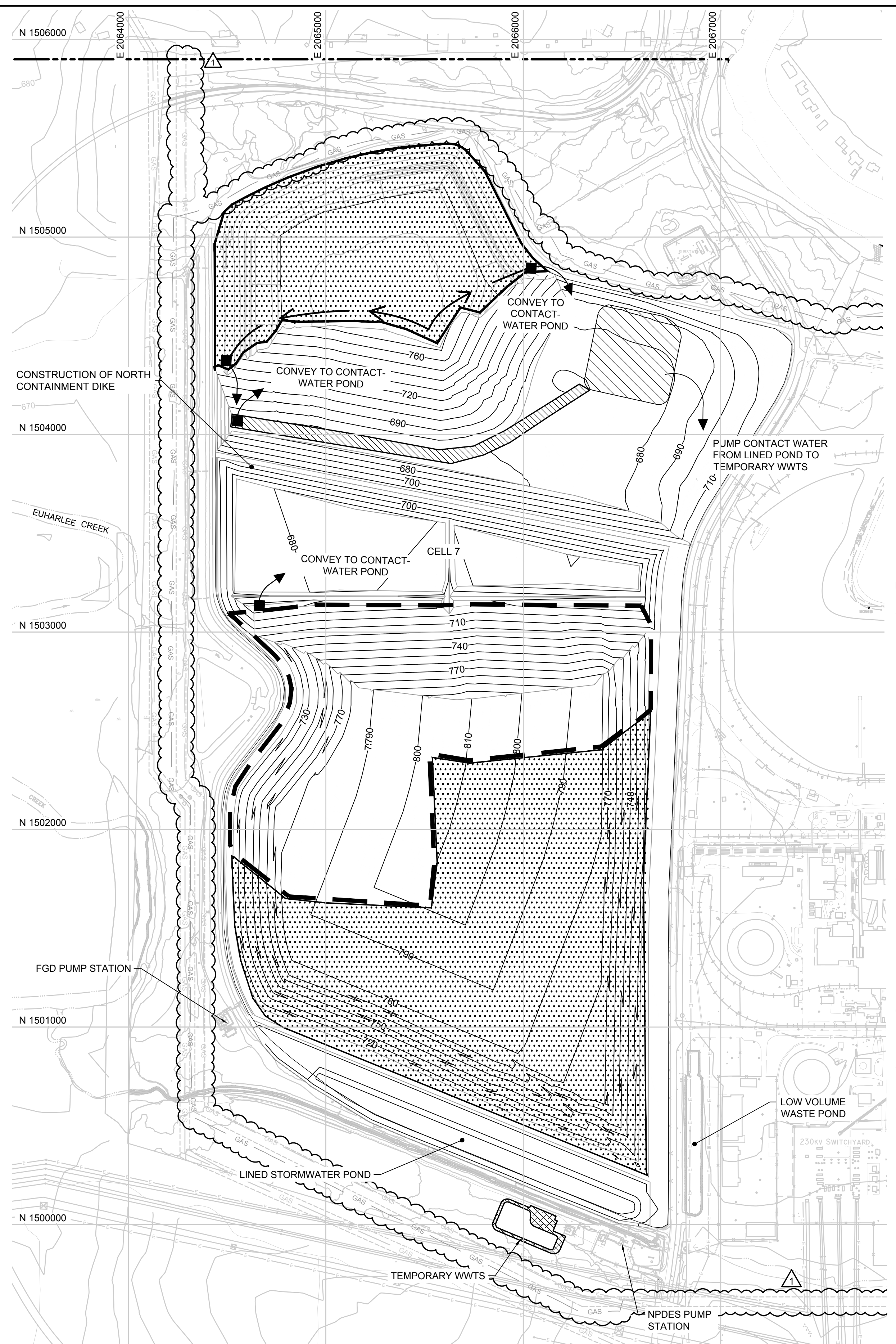


PERMIT DRAWING  
NOT FOR CONSTRUCTION

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PHASE 7  
CELL 6 CONSTRUCTION AND CELL  
4A & 5A FILLING



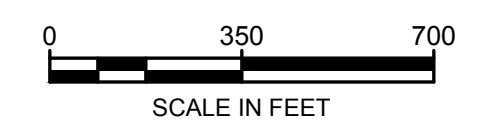
PHASE 8  
CELL 7 CONSTRUCTION AND CELL  
6 FILLING

**LEGEND**

	COVERED CCR (NON-CONTACT WATER)
	ACTIVE CCR PLACEMENT IN LINED CLOSURE AREA (NOTE 9)
	CONTACT-WATER COLLECTION / MANAGEMENT AREA (NOTE 7)
	LINED CONTACT-WATER POND
	TEMPORARY WWTS PAD
	CONTACT WATER DIVERSION
	STORMWATER (NON-CONTACT WATER) DIVERSION



- NOTES:**
1. THIS PHASING APPROACH IS CONCEPTUAL, AND WILL BE REFINED DURING DETAILED DESIGN. IN ADDITION, CONTRACTOR WILL HAVE DISCRETION TO ADJUST PHASE BOUNDARIES AND SEQUENCE, STOCKPILE LOCATION(S), AND CONTACT-WATER COLLECTION / MANAGEMENT AREAS, BASED ON FIELD CONDITIONS ENCOUNTERED AND TO FACILITATE CONSTRUCTION, AS APPROVED BY GEORGIA POWER COMPANY, WITH REQUIREMENT THAT DESIGN CRITERIA INCLUDING THOSE RELATED TO STORMWATER AND CONTACT-WATER MANAGEMENT, ARE MET.
  2. STORMWATER AND CONTACT-WATER MANAGEMENT WILL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE "CLOSURE PLAN" (PART A, SECTION 7 OF THIS PERMIT APPLICATION). DESIGN CRITERIA AND EVALUATION OF CASES RELATED TO THE CLOSURE PHASES PRESENTED HEREIN ARE PROVIDED IN A CALCULATION PACKAGE FOR INTERIM STORMWATER MANAGEMENT CONDITIONS, INCLUDED IN THE "ENGINEERING REPORT" (PART B, SECTION 3 OF THIS PERMIT APPLICATION).
  3. DURING CLOSURE CONSTRUCTION, CONTACT WATER WILL BE PUMPED OR CONVEYED BY GRAVITY TO LINED CONTACT-WATER PONDS WITHIN AP-1, WHERE IT WILL BE TEMPORARILY STORED AND THEN PUMPED TO AN ON-SITE TEMPORARY WASTEWATER TREATMENT SYSTEM (WWTS) OR OTHERWISE PROPERLY MANAGED IN ACCORDANCE WITH THE PLANT'S NPDES PERMIT REQUIREMENTS. NON-CONTACT STORMWATER WILL BE MANAGED IN ACCORDANCE WITH APPLICABLE EROSION AND SEDIMENT CONTROL FEATURES AND REQUIREMENTS PROVIDED IN THIS SET OF CLOSURE DRAWINGS, AND THEN DISCHARGED THROUGH EXISTING OR NEW STORMWATER PONDS TO RECEIVING WATER BODIES WITHOUT TREATMENT.
  4. CONTRACTOR WILL BE REQUIRED TO TAKE REASONABLE MEASURES TO MINIMIZE STORMWATER RUN-ON INTO THE CONTACT-WATER COLLECTION / MANAGEMENT AREAS. MINIMIZATION TECHNIQUES MAY INCLUDE THE CONSTRUCTION OF TEMPORARY DIVERSION BERMS OR CHANNELS TO DIVERT STORMWATER AWAY FROM THE COLLECTION / MANAGEMENT AREAS.
  5. COVER SYSTEM WILL BE TEMPORARILY TERMINATED AT CLOSURE INCREMENT PHASE BOUNDARIES AS SHOWN IN DETAILS 12 AND 13 ON DRAWING 29 FOR FINAL COVER SYSTEM (SOIL-GEOSYNTHETIC COMPOSITE COVER) AND ALTERNATIVE COVER SYSTEM (CLOSURETURF® COVER), RESPECTIVELY. CLOSURE INCREMENTS ARE APPROXIMATE FOR ILLUSTRATIVE PURPOSES, AND MAY BE ADJUSTED DURING CLOSURE.
  6. CONTACT-WATER COLLECTION / MANAGEMENT AREAS SHOWN ON THIS DRAWING MAY BE ADJUSTED OR SUPPLEMENTED DURING CONSTRUCTION AS NEEDED. CONTACT WATER WILL BE PROMPTLY TRANSFERRED TO THE LINED CONTACT-WATER POND TO MINIMIZE DURATION OF PONDING WITHIN AP-1 EXCAVATIONS.
  7. TEMPORARY LINED STORMWATER PONDS (NON-CONTACT WATER) MAY BE UTILIZED DURING CONSTRUCTION AS NEEDED.
  8. FOR PHASES WHERE COVERED CCR SHADING ENCLOSES ON ACTIVE CCR PLACEMENT, THIS INDICATES WHERE A TEMPORARY OR FINAL COVER SYSTEM INCREMENT MAY BE INSTALLED ONCE FINISHED WASTE GRADES ARE ACHIEVED FOR THAT PHASE.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

CLOSURE PHASING PLANS 4

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-022A	EDIT	5/23/24
SCALE	1" = 350'	DRAWING 23 OF 50			
DATE	AUGUST 2021				



PERMIT DRAWING  
NOT FOR CONSTRUCTION

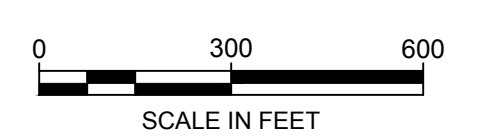
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**LEGEND**

	EXCAVATION SURFACE ELEVATION (FEET)
	TOP OF LINER SYSTEM ELEVATION (FEET)
	EXISTING LIMIT OF AP-1
	LEACHATE COLLECTION CORRIDOR
	LEACHATE SUMP AND RISER PIPE
	LEACHATE FORCEMAIN
	PERMIT BOUNDARY
	LEACHATE FORCEMAIN AIR RELEASE MANHOLE
	LEACHATE FORCEMAIN CLEANOUT MANHOLE
	LEACHATE FORCEMAIN JUNCTION MANHOLE
	LEACHATE RISER PAD
	TEMPORARY WWTS PAD

- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - TOP OF LINER GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE GEOMEMBRANE COMPONENT OF THE LINER SYSTEM WITHIN THE CONSOLIDATED LINED FOOTPRINT AREA. WITHIN THE REMAINDER OF AP-1 (OUTSIDE THE CONSOLIDATED LINED FOOTPRINT AREA), GRADES REPRESENT EXTERIOR NORTH AND SOUTH CONTAINMENT DIKE SLOPES, WHICH TIE-IN TO THE ESTIMATED BOTTOM OF EXCAVATION GRADES. CONTOURS SHOWN ON THIS DRAWING BEYOND LIMITS OF AP-1 ARE EXISTING GROUND TOPOGRAPHY.
  - A TEMPORARY WWTS WILL BE ESTABLISHED AT THE APPROXIMATE LOCATION SHOWN FOR TREATMENT OF LEACHATE AND CONTACT WATER GENERATED DURING CLOSURE CONSTRUCTION. AT THE COMPLETION OF CLOSURE CONSTRUCTION, LEACHATE WILL BE ROUTED TO A PERMANENT ON-SITE WWTS LOCATED OUTSIDE THE AP-1 PERMIT BOUNDARY, ON THE PLANT BOWEN PROPERTY.



REV	DATE	DESCRIPTION	DRN	APP
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0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**LEACHATE MANAGEMENT PLAN**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

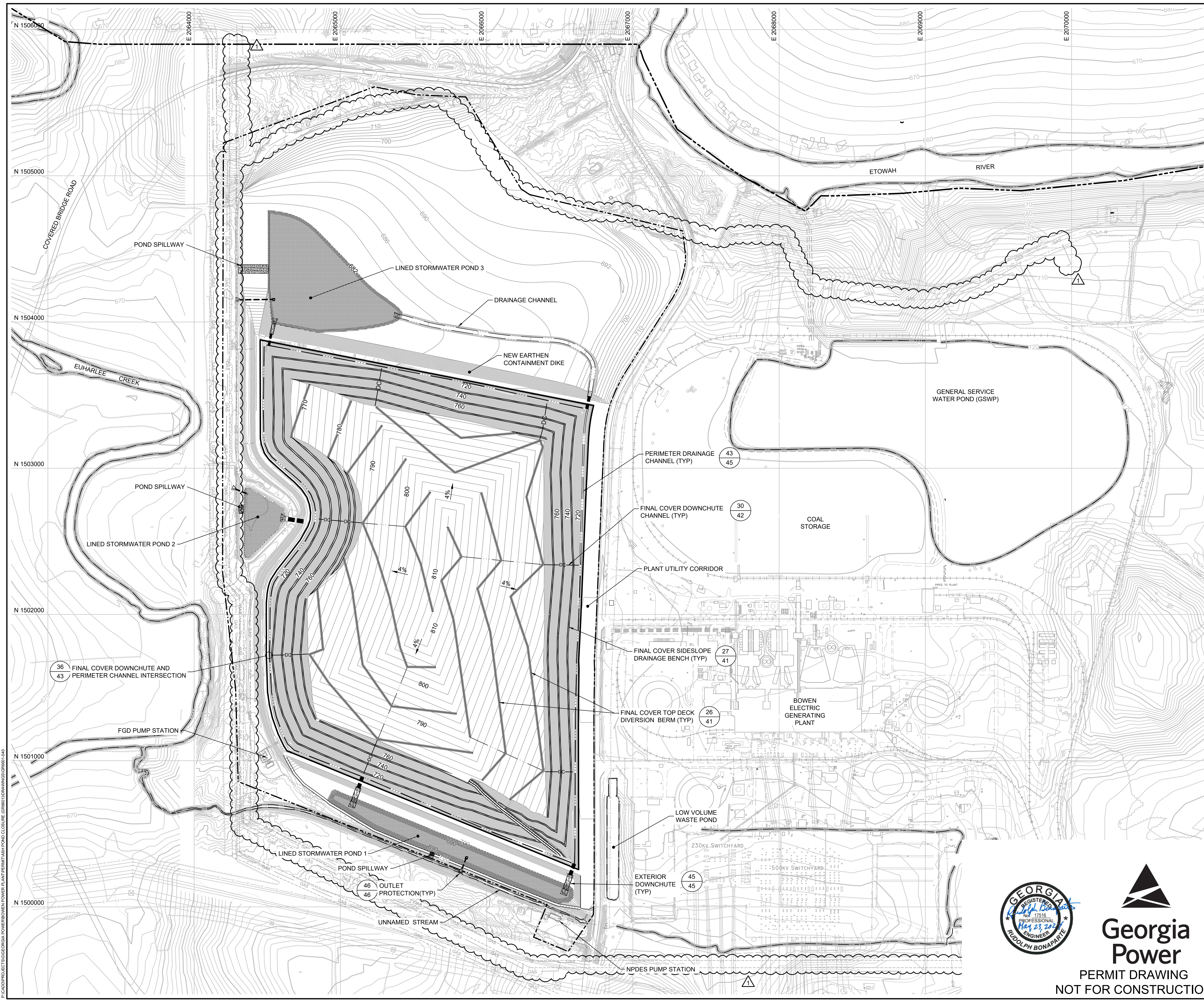
1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.9500  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-034	EDIT	5/23/24
SCALE	1" = 300'	DRAWING 33 OF 50			
DATE	AUGUST 2021				



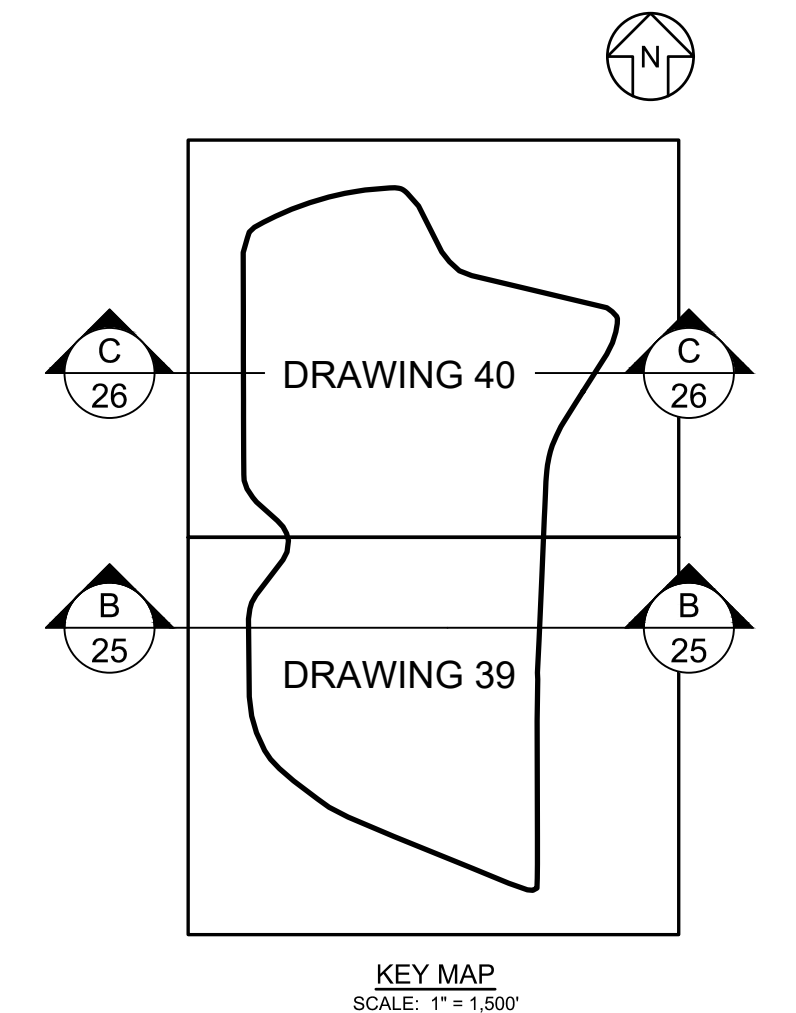
**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

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**LEGEND**

	710	FINISHED GROUND ELEVATION (FEET) (NOTE 1)
		FINAL COVER TOP DECK DIVERSION BERM
		FINAL COVER TOP DECK LET-DOWN CHANNEL
	—DC—DC—	FINAL COVER DOWNCHUTE CHANNEL
		FINAL COVER SIDESLOPE DRAINAGE BENCH
		STORMWATER CHANNEL
		LINED STORMWATER POND



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - FINAL CLOSURE GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE FINAL COVER SYSTEM (SOIL-GEOSYNTHETIC COMPOSITE COVER) WITHIN THE FINAL COVER LIMITS. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19.
  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**STORMWATER MANAGEMENT SYSTEM - OVERVIEW**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA



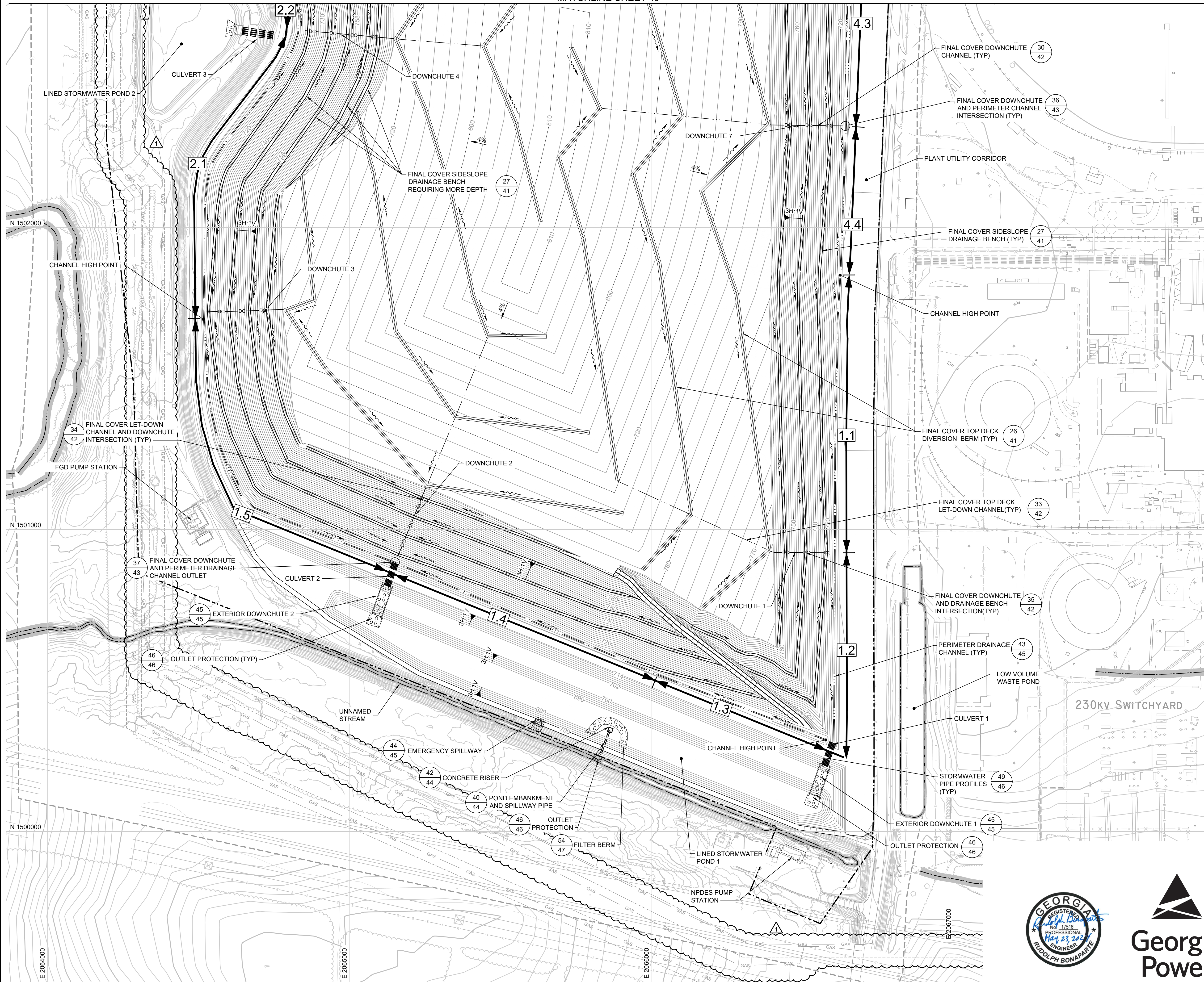
1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.8660  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-040	EDIT	5/23/224
SCALE	1" = 300'				
DATE	AUGUST 2021	DRAWING 38 OF 50			



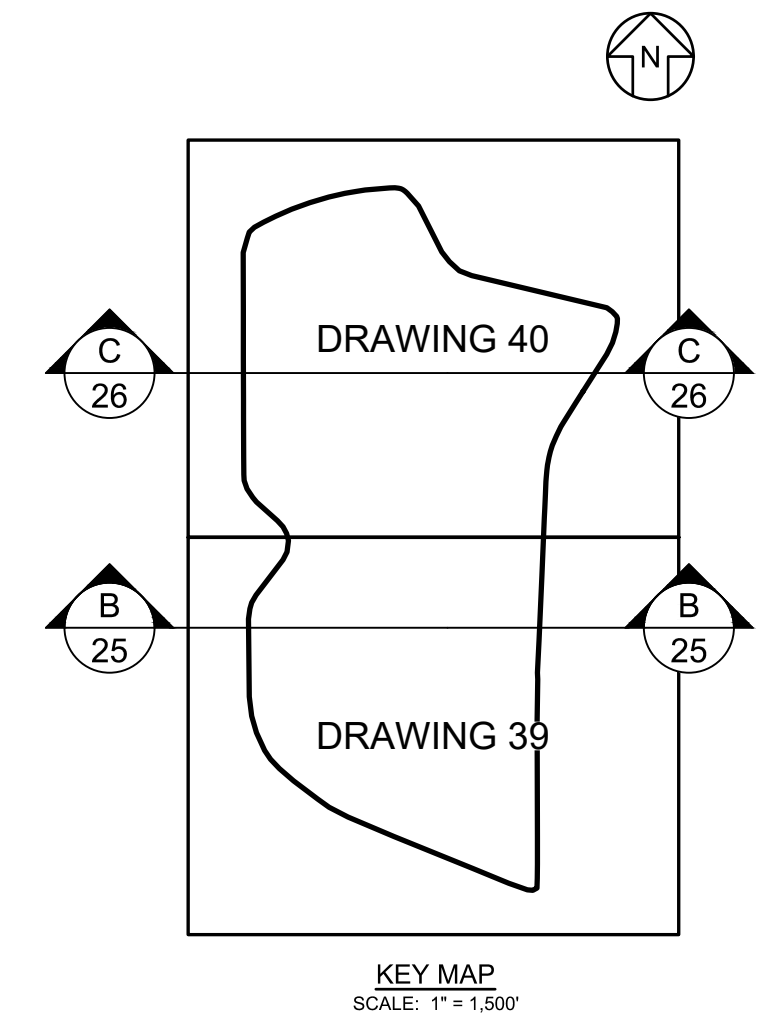
**PERMIT DRAWING  
NOT FOR CONSTRUCTION**

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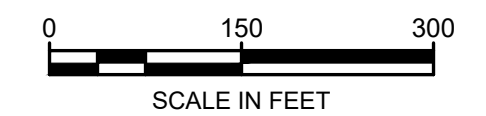


**LEGEND**

	710	FINISHED GROUND ELEVATION (FEET) (NOTE 1)
		FINAL COVER TOP DECK DIVERSION BERM
		FINAL COVER TOP DECK LET-DOWN CHANNEL
	DC-DC	FINAL COVER DOWNCHUTE CHANNEL
		FINAL COVER SIDESLOPE DRAINAGE BENCH
		STORMWATER CHANNEL
	4.4	STORMWATER CHANNEL DELINEATION



- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - FINAL CLOSURE GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE FINAL COVER SYSTEM (SOIL-GEOSYNTHETIC COMPOSITE COVER) WITHIN THE FINAL COVER LIMITS. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19.
  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**STORMWATER MANAGEMENT SYSTEM - SOUTH AP-1**

**PLANT BOWEN ASH POND 1 (AP-1) CLOSURE DRAWINGS**  
BARTOW COUNTY, GEORGIA

**Geosyntec consultants**

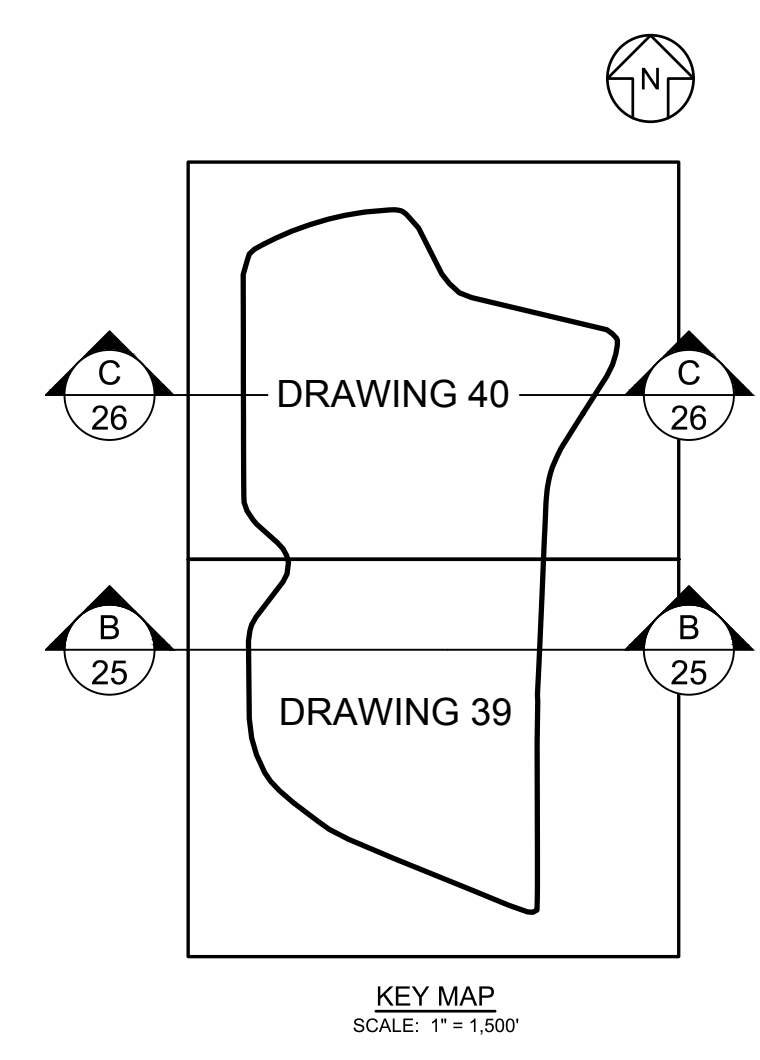
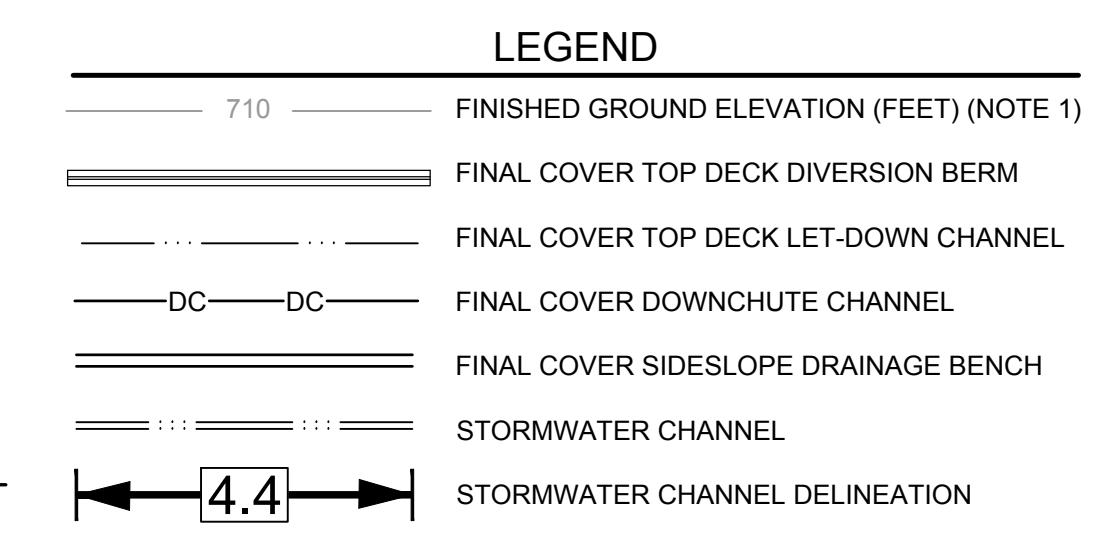
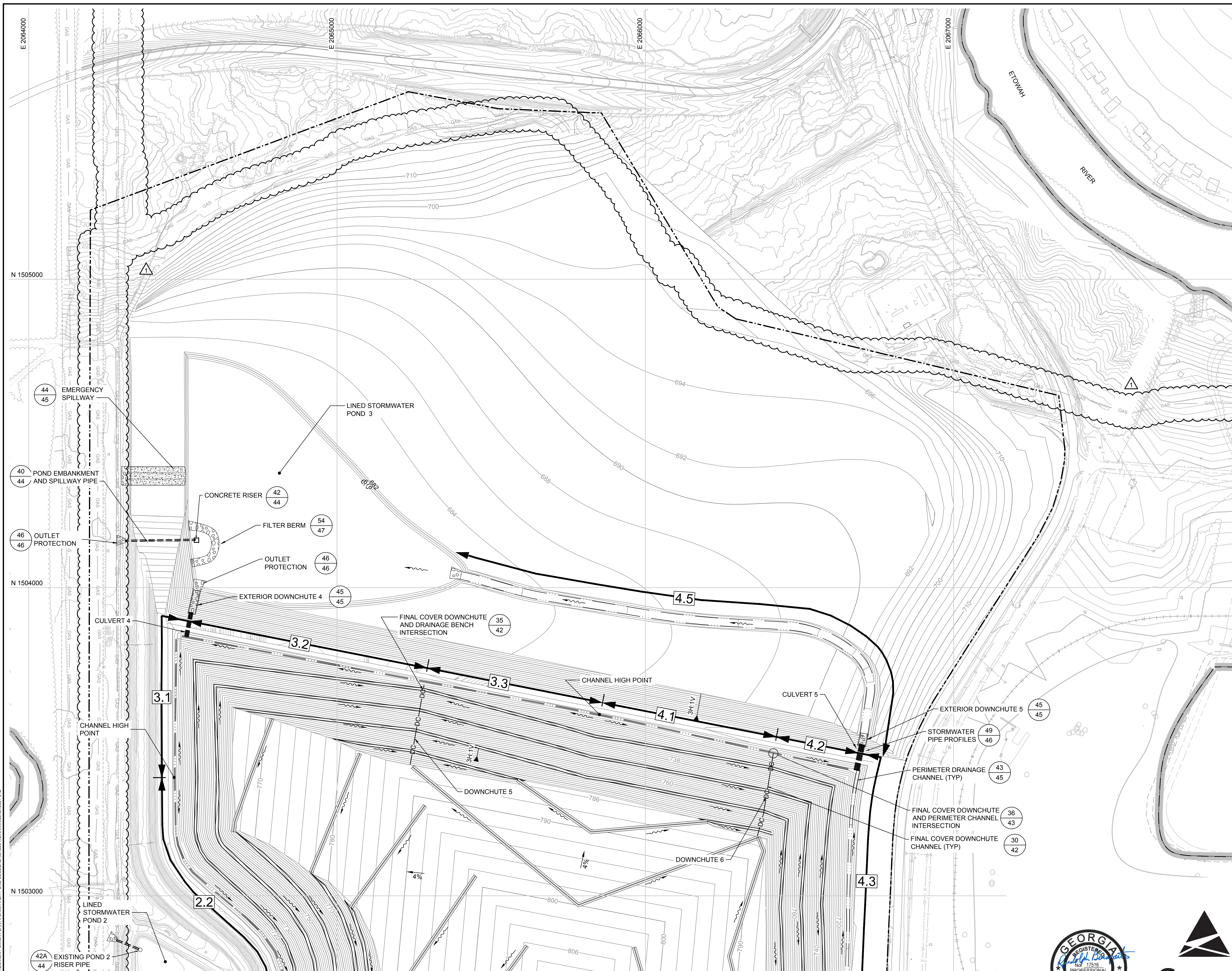
1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.3660  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-041	EDIT	5/23/24
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DATE	AUGUST 2021		DRAWING 39 OF 50		

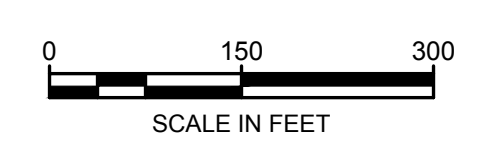


PERMIT DRAWING  
NOT FOR CONSTRUCTION

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- NOTES:**
- SEE DRAWING 2 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
  - FINAL CLOSURE GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE FINAL COVER SYSTEM (SOIL-GEOSYNTHETIC COMPOSITE COVER) WITHIN THE FINAL COVER LIMITS. BEYOND THE FINAL COVER LIMITS, PROPOSED FINISHED GRADES ARE SHOWN, WHICH TIE-IN TO EXISTING GROUND TOPOGRAPHY AT THE LIMIT OF DISTURBANCE. SEE DRAWING 2, GENERAL SITE NOTE 19.
  - IN ADDITION TO PERMANENT STORMWATER PONDS SHOWN, TEMPORARY LINED STORMWATER PONDS WILL BE UTILIZED DURING CONSTRUCTION AS NEEDED.



REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**STORMWATER MANAGEMENT SYSTEM - NORTH AP-1**

**PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA**

**Geosyntec consultants**

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.3660  
WWW.GEOSYNTEC.COM

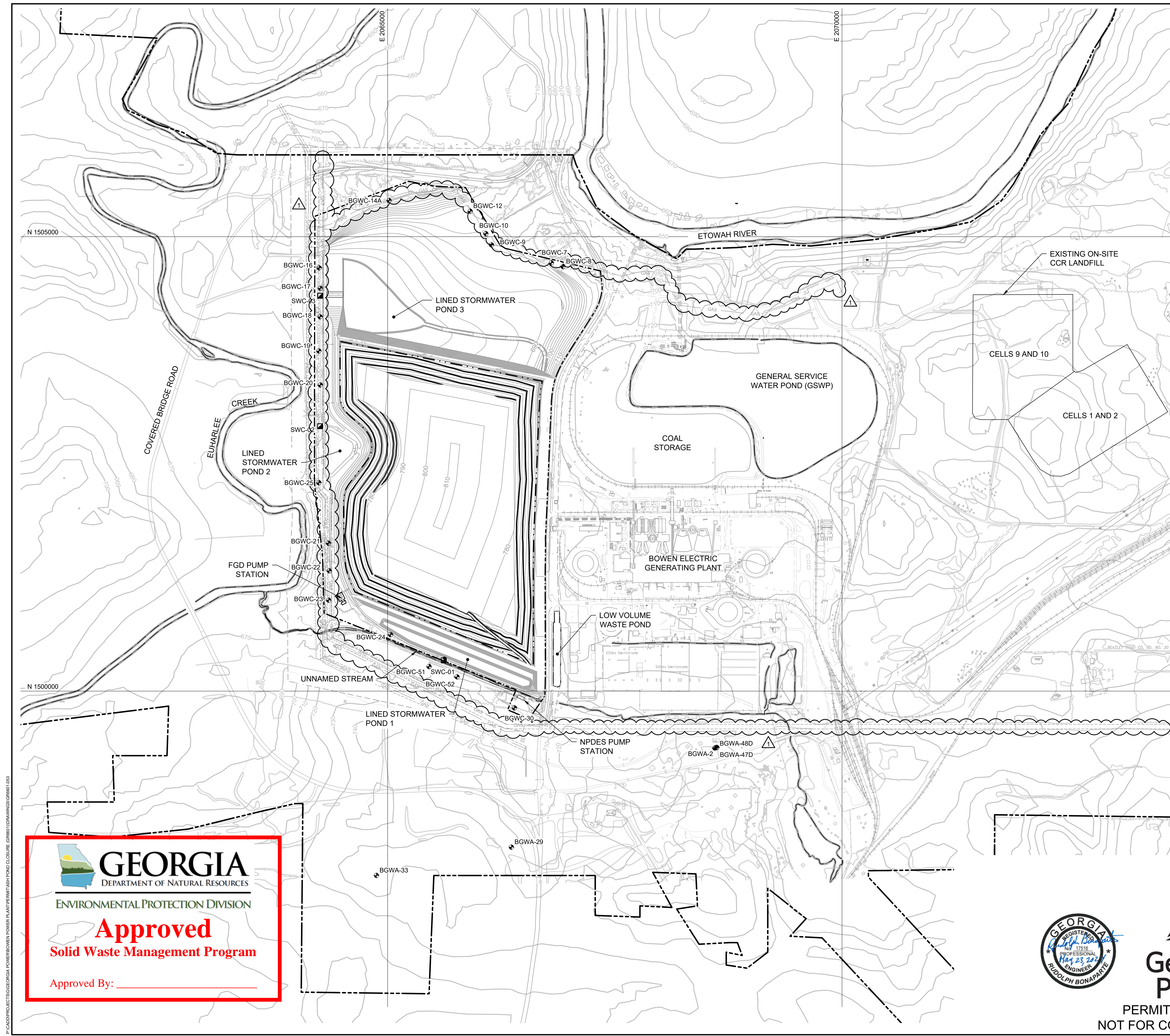
PROJ. NO.	GR6601	DWG.	GR6601-042	EDIT	5/23/24
SCALE	1" = 150'	<b>DRAWING 40 OF 50</b>			
DATE	AUGUST 2021				



**Georgia Power**  
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NOT FOR CONSTRUCTION

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MATCHLINE SHEET 39



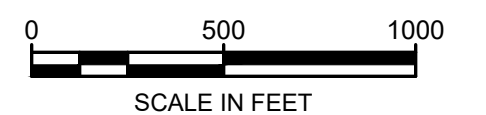
**LEGEND**

- PROPERTY BOUNDARY
- - - PERMIT BOUNDARY
- . . . . FINAL LIMIT OF CCR (CONSOLIDATED FOOTPRINT)
- BGWA-7 CURRENT GROUNDWATER MONITORING WELL (NOTE 3)
- SWC-01 SURFACE WATER MONITORING POINT (NOTE 4)

**COMPLIANCE MONITORING NETWORK (NOTE 3)**

MONITORING WELL ID	MONITORING PURPOSE	NORTHING	EASTING	GROUND SURFACE ELEVATION	SCREEN ELEVATIONS (TOP TO BOTTOM) (FT)	
					TO	TO
BGWA-2	BACKGROUND	1499374.18	2068599.59	727.00	650.5	640.5
BGWA-29	BACKGROUND	1498283.04	2066362.32	718.84	632.9	622.9
BGWA-33	BACKGROUND	1497972.13	2064876.80	740.50	661.2	651.2
BGWA-47D	BACKGROUND	1499377.79	2068612.48	726.93	585.9	575.9
BGWA-48D	BACKGROUND	1499380.09	2068623.31	726.64	545.0	535.0
BGWC-7	DOWNGRAIENT	1504711.59	2066801.40	702.49	625.2	615.2
BGWC-8	DOWNGRAIENT	1504671.82	2066929.46	703.71	636.8	628.8
BGWC-9	DOWNGRAIENT	1504909.12	2066143.27	689.18	638.3	628.3
BGWC-10	DOWNGRAIENT	1505033.22	2066081.09	683.39	633.7	623.7
BGWC-12	DOWNGRAIENT	1505279.88	2065908.56	691.71	626.0	616.0
BGWC-14A	DOWNGRAIENT	1505398.54	2065015.98	715.57	629.6	619.6
BGWC-16	DOWNGRAIENT	1504656.42	2064247.67	671.65	635.3	625.3
BGWC-17	DOWNGRAIENT	1504432.00	2064259.38	671.25	615.4	605.4
BGWC-18	DOWNGRAIENT	1504118.73	2064257.00	670.32	645.1	635.1
BGWC-19	DOWNGRAIENT	1503742.25	2064244.66	671.04	628.9	618.9
BGWC-20	DOWNGRAIENT	1503367.73	2064259.55	672.29	635.1	625.1
BGWC-21	DOWNGRAIENT	1501627.51	2064348.09	688.53	648.8	638.8
BGWC-22	DOWNGRAIENT	1501323.76	2064358.05	692.64	662.6	652.6
BGWC-23	DOWNGRAIENT	1501000.57	2064350.17	693.16	654.3	644.3
BGWC-24	DOWNGRAIENT	1500621.22	2065032.84	699.46	646.3	636.3
BGWC-25	DOWNGRAIENT	1502292.73	2064244.10	677.60	632.9	622.9
BGWC-30	DOWNGRAIENT	1499815.93	2066395.86	698.39	651.6	641.6
BGWC-51	DOWNGRAIENT	1500270.09	2065455.80	708.99	654.6	644.6
BGWC-52	DOWNGRAIENT	1500156.97	2065764.13	707.77	638.9	628.9

- NOTES:**
- GRADING SHOWN IN AND AROUND THE AP-1 AREA REPRESENTS FINAL CONDITIONS UPON COMPLETION OF CLOSURE.
  - MONITORING WELL COORDINATES, GROUND SURFACE ELEVATIONS, AND SCREEN ELEVATIONS WERE OBTAINED FROM THE "SEPTEMBER 2020 WELL INSTALLATION ADDENDUM MEMORANDUM" DATED 29 SEPTEMBER 2020, PREPARED BY GEOSYNTEC CONSULTANTS, INC. DATA FOR MONITORING WELLS BGWC-51 AND BGWC-52 WERE OBTAINED FROM THE "ASH POND MONITORING WELL CERTIFICATION REPORT - ADDENDUM NO. 4" DATED 24 MARCH 2021, PREPARED BY GEOSYNTEC CONSULTANTS, INC.
  - GROUNDWATER MONITORING WELLS SHOWN AND TABULATED ON THIS DRAWING ARE THOSE USED TO BOTH MEASURE GROUNDWATER LEVELS AND COLLECT GROUNDWATER SAMPLES FOR ANALYSIS. REFER TO THE GROUNDWATER MONITORING PLAN FOR THE LOCATION AND PURPOSE OF OTHER ON-SITE PIEZOMETERS AND WELLS.
  - THE COORDINATES OF THE SURFACE WATER MONITORING POINTS ARE AS FOLLOWS:
    - SWC-01: 34° 7' 19.40" N, 84° 55' 47.42" W (IN NAD 83: NORTHING: 1500339.06, EASTING: 2065618.14).
    - SWC-02: 34° 7' 44.78" N, 84° 56' 3.85" W (IN NAD 83: NORTHING: 1502914.64, EASTING: 2064256.49).
    - SWC-03: 34° 7' 58.98" N, 84° 56' 3.96" W (IN NAD 83: NORTHING: 1504349.80, EASTING: 2064257.83).



**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

**Approved**  
Solid Waste Management Program

Approved By: \_\_\_\_\_



PERMIT DRAWING  
NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRN	APP
1	MAY 2024	UPDATE AND ADD GAS PIPELINES	JJV	RB
0	AUG. 2021	SUBMITTAL TO GA EPD	JJV/KH	RB

**COMPLIANCE MONITORING NETWORK**

PLANT BOWEN ASH POND 1 (AP-1)  
CLOSURE DRAWINGS  
BARTOW COUNTY, GEORGIA

**Geosyntec**  
consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200  
KENNESAW, GEORGIA 30144 USA  
PHONE: 678.202.8660  
WWW.GEOSYNTEC.COM

PROJ. NO.	GR6601	DWG.	GR6601-053	EDIT	5/23/24
SCALE	1" = 500'	DRAWING 50 OF 50			
DATE	AUGUST 2021				

P:\CADD\PROJECTS\GEORGIA POWER\BOWEN POWER PLANT\PERMIT\ASH POND CLOSURE (DR6601)DRAWINGS\DR6601-053