

# GEORGIA POWER COMPANY PLANT BOWEN COAL COMBUSTION RESIDUALS (CCR) LANDFILL PERMIT DRAWINGS BARTOW COUNTY, GEORGIA

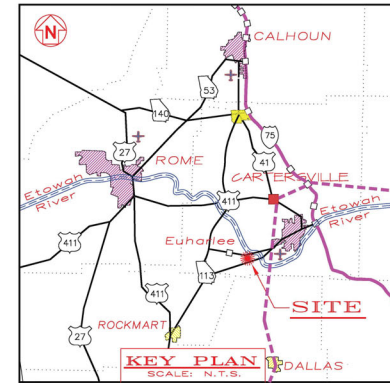
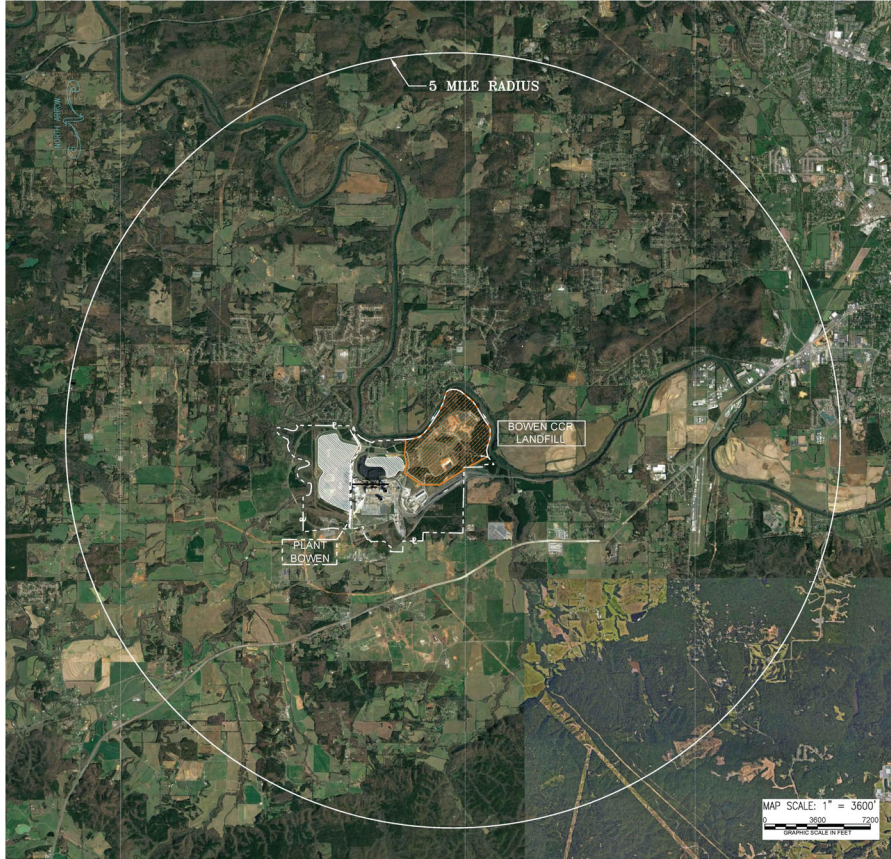
AUGUST 2022

REVISED: May 2026

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CCR LANDFILL**

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- LEGEND:**
- PLANT BOWEN PROPERTY LINE (APPROXIMATE)
  - ▭ PLANT BOWEN CCR LANDFILL SITE BOUNDARY

**NOTES:**

1. COAL COMBUSTION BY-PRODUCTS AND COAL COMBUSTION RESIDUALS HAVE THE SAME MEANING IN THIS PERMIT APPLICATION.
2. PERMIT REVISION HISTORY: THE ORIGINAL PERMIT DRAWINGS FOR THE PLANT BOWEN CCR LANDFILL WERE PREPARED BY SOUTHERN COMPANY GENERATION ENGINEERING AND CONSTRUCTION SERVICES (SGCECS). THESE PERMIT DRAWINGS WERE REVIEWED BY GEORGIA EPD AND APPROVED IN OCTOBER 2006 AS PART OF THE FACILITY'S SOLID WASTE HANDLING PERMIT WITH SUBSEQUENT REVISIONS TO THE DRAWINGS APPROVED BY GEORGIA EPD THROUGH PERMIT MODIFICATIONS. HODGES, HARBIN, NEWBERRY, AND TRIBBLE INC. (HHNT) HAS ASSISTED GEORGIA POWER COMPANY IN PREPARATION OF THE CCR LANDFILL PERMIT AS REQUIRED BY THE NEW SOLID WASTE RULE 391-4-.10(9)(c) FOR COAL COMBUSTION RESIDUAL UNITS. MINOR PLAN REVISIONS AND UPDATES HAVE BEEN MADE AS PART OF THE NEW CCR LANDFILL PERMITTING PROCESS AND ARE INCLUDED HEREIN. AT THE REQUEST OF GEORGIA EPD AND AS PART OF THE NEW CCR PERMIT PROCESS, ALL PREVIOUS PLAN REVISION NOTES FOR THE FACILITY'S ORIGINAL SOLID WASTE HANDLING PERMIT HAVE BEEN REMOVED.
3. PROPERTY LINE IS APPROXIMATE.
4. GRID IS STATE PLANE GRID, NAD83, WEST ZONE. (APPROXIMATE).
5. TOPOGRAPHIC DATA OBTAINED FROM SOUTHERN GIS DIGITAL USGS, KINGSTON-TAYLORSVILLE 30 X 60 MINUTE QUADRANGLE.
6. GEORGIA POWER PROPERTY LINE DATA OBTAINED FROM GEORGIA POWER COMPANY DRAWING E-1-e.

**REFERENCE DRAWINGS:**

1. GEORGIA POWER COMPANY, H-690-6-10, REV. 1, DATED 04/07/05, PLANT BOWEN, COAL COMBUSTION BY-PRODUCT STORAGE FACILITY
2. GEORGIA POWER COMPANY, E-1-e COMPOSITE MAP OF PLANT BOWEN SITE.
3. FLOOD INSURANCE RATE MAP, BARTOW COUNTY, GEORGIA, PANEL 0245 & MAP NUMBER 13015C0245H, EFFECTIVE DATE 10/05/2018.

**RESPONSIBLE OFFICIAL**

MANAGER  
ENVIRONMENTAL AFFAIRS  
GEORGIA POWER COMPANY  
BIN 10221  
241 RALPH McGILL BLVD.  
ATLANTA, GA 30308  
(404) 506-8505

**CCR LANDFILL PERMIT APPLICATION**

HODGES, HARBIN, NEWBERRY & TRIBBLE, INC  
(HHNT, INC.)  
3920 ARKWRIGHT RD, SUITE 101  
MACON, GA 31210  
(478) 743-7175

**PROPERTY OWNER**

GEORGIA POWER COMPANY  
241 RALPH McGILL BLVD.  
ATLANTA, GEORGIA 30308

**CONSULTANTS**

SOUTHERN COMPANY GENERATION  
BIN 10160  
241 RALPH McGILL BLVD.  
ATLANTA, GEORGIA 30308  
ATTN: GARY McWORTER  
TEL: (404) 506-7291  
FAX: (404) 506-7079

HODGES, HARBIN, NEWBERRY, AND TRIBBLE, INC.  
3920 ARKWRIGHT ROAD, SUITE 101  
MACON, GEORGIA 31210  
TEL: (478) 743-7175



| REVISION   | DATE      | REVISION   | DATE      | REVISION   | DATE      | REVISION  | DATE      | REVISION          | DATE      |
|--|-----------|--|-----------|--|-----------|---|-----------|-------------------|-----------|
| 4  | 5/11/2026 | 3  | 1/21/2025 | 2  | 6/17/2024 | 1   | 1/24/2024 | 0                 | 8/25/2022 |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)<br>-ADDED EXISTING WELLS OMC-25, OMC-315, AND OMC-58.<br>-UPDATED THE POTENTIOMETRIC SURFACE WITH THE 08/2025 CONTOURS PROVIDED BY SHAWAC. |           | ISSUED FOR MINOR MODIFICATION (BY HHNT)<br>-SHIFTED EXISTING 200' WIDE BUFFER ENCROACHMENT FOR TEMPORARY HAUL ROAD |           | ISSUED FOR MINOR MODIFICATION (BY HHNT)<br>-ADDED AS-BUILT LOCATIONS FOR WELLS CONSTRUCTED WITH CELLS 5-6.<br>-REMOVED WELLS ABANDONED WITH THE CONSTRUCTION OF CELLS 5-6.<br>-UPDATED DRAWING H-15311, RENAMED DRAWING H-15310 TO "POTENTIOMETRIC SURFACE", AND REPLACED THE OVERBURN POTENTIOMETRIC SURFACE WITH THE 02/2024 POTENTIOMETRIC SURFACE. |           | ISSUED FOR MINOR MODIFICATION (BY HHNT)<br>-REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 TO CELLS 4 & ACCESS ROAD |           | ISSUED FOR PERMIT |           |
| BY   | CHKD      | DATE   | DATE      | DATE   | DATE      | DATE  | DATE      | DATE              | DATE      |
| ANR  | RBL       |  |           |  |           |   |           |                   |           |



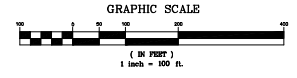
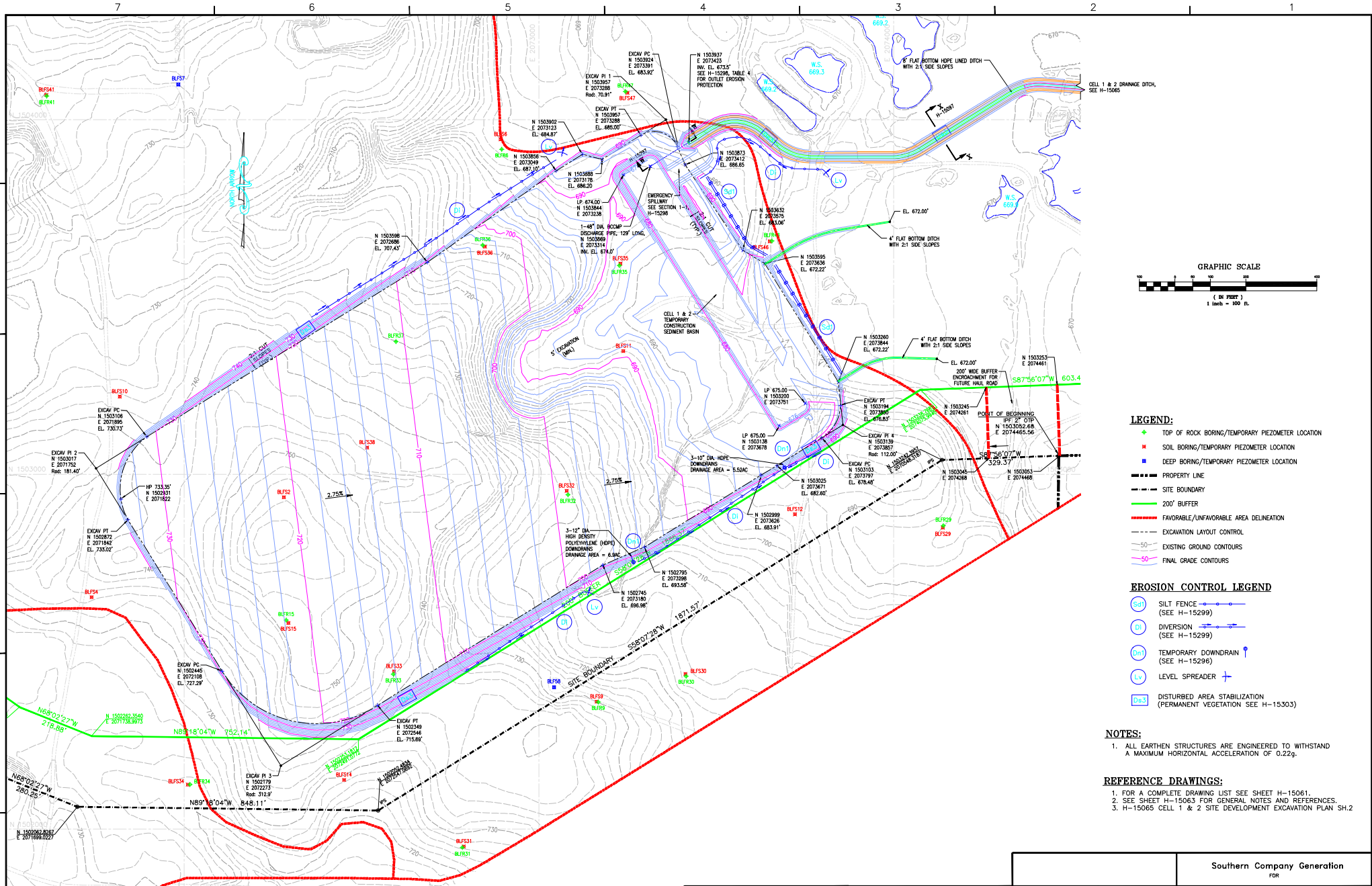
Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**

PLANT BOWEN  
CCR LANDFILL  
SITE PLAN

SCALE: 1"=3600'  
10207  
**H-15061**  
1 FINAL 4







- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - ▲ DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - PROPERTY LINE
  - - - SITE BOUNDARY
  - 200' BUFFER
  - - - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - - - EXCAVATION LAYOUT CONTROL
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS

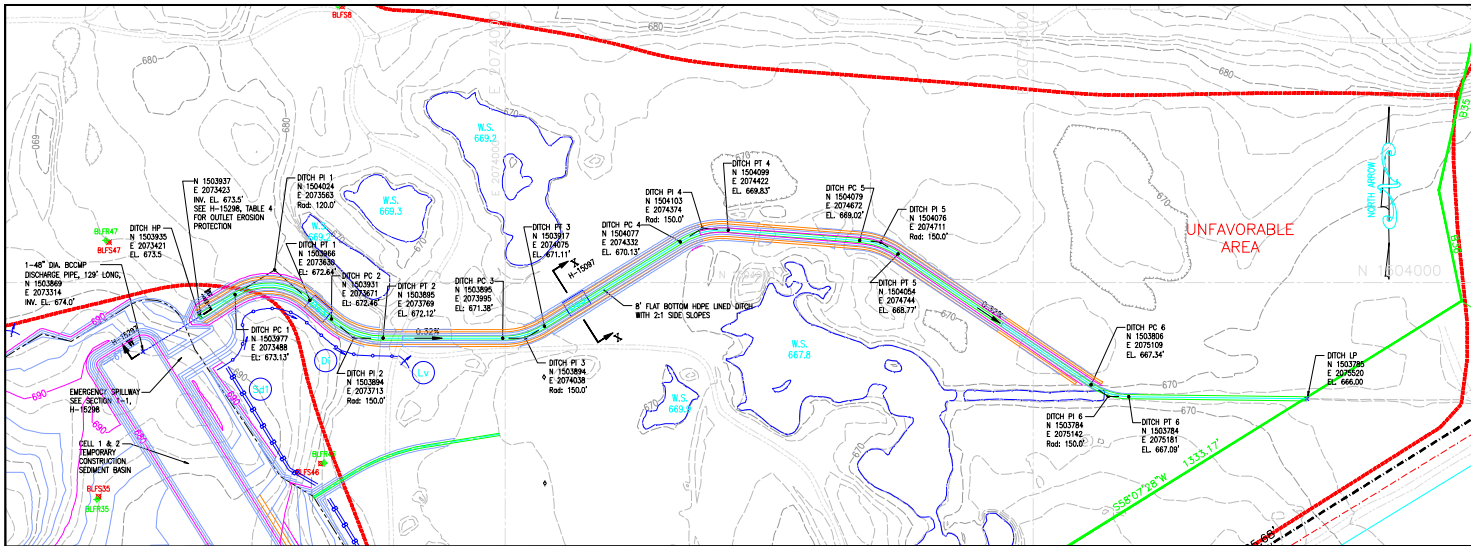
- EROSION CONTROL LEGEND**
- (Sd) SILT FENCE (SEE H-15299)
  - (D1) DIVERSION (SEE H-15299)
  - (Dn) TEMPORARY DOWNDRAIN (SEE H-15296)
  - (Lv) LEVEL SPREADER
  - (Dn3) DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)

- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

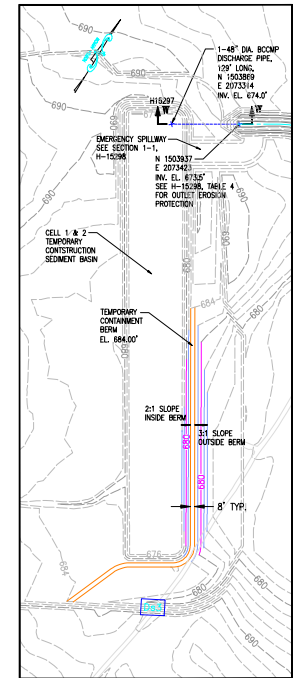
- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.
  - H-15065 CELL 1 & 2 SITE DEVELOPMENT EXCAVATION PLAN SH.2



|  |      |      |          |       |      |          |      |           |                   |      |                |         |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|--|------|------|----------|-------|------|----------|------|-----------|-------------------|------|----------------|---------|------|-----|------|-------|------|----|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|---------|--|--|--|--|--|--|--|--|--|--|--|-----------|-------|--|--|--|--|--|--|--|--|--|--|--|----------------|---------|--|--|--|--|--|--|--|--|--|--|--|---------------|---|--|--|--|--|--|--|--|--|--|--|--|-----------|-------|--|--|--|--|--|--|--|--|--|--|--|------|---|
| REVISION   |      | DATE | REVISION |       | DATE | REVISION |      | DATE      | REVISION          |      | DATE           |         |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|  |      |      |          |       |      | 0        |      | 8/25/2022 | ISSUED FOR PERMIT |      |                |         |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
| <table border="1" style="width: 100%;"> <tr> <td>BY</td> <td>CHKD</td> <td>DLG</td> <td>APPV</td> <td>ELECT</td> <td>APPR</td> <td>LC</td> <td>APPR</td> <td>MECH</td> <td>APPR</td> <td>PIPE</td> <td>APPR</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="11"></td> <td>SCALE</td> <td>1"=100'</td> </tr> <tr> <td colspan="11"></td> <td>PROJ. NO.</td> <td>12027</td> </tr> <tr> <td colspan="11"></td> <td>DRAWING NUMBER</td> <td>H-15064</td> </tr> <tr> <td colspan="11"></td> <td>NO. OF SHEETS</td> <td>1</td> </tr> <tr> <td colspan="11"></td> <td>SHEET NO.</td> <td>FINAL</td> </tr> <tr> <td colspan="11"></td> <td>REV.</td> <td>0</td> </tr> </table> |      |      |          |       |      |          |      |           |                   |      |                | BY      | CHKD | DLG | APPV | ELECT | APPR | LC | APPR | MECH | APPR | PIPE | APPR |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SCALE | 1"=100' |  |  |  |  |  |  |  |  |  |  |  | PROJ. NO. | 12027 |  |  |  |  |  |  |  |  |  |  |  | DRAWING NUMBER | H-15064 |  |  |  |  |  |  |  |  |  |  |  | NO. OF SHEETS | 1 |  |  |  |  |  |  |  |  |  |  |  | SHEET NO. | FINAL |  |  |  |  |  |  |  |  |  |  |  | REV. | 0 |
| BY   | CHKD | DLG  | APPV     | ELECT | APPR | LC       | APPR | MECH      | APPR              | PIPE | APPR           |         |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
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|  |      |      |          |       |      |          |      |           |                   |      | SCALE          | 1"=100' |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|  |      |      |          |       |      |          |      |           |                   |      | PROJ. NO.      | 12027   |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|  |      |      |          |       |      |          |      |           |                   |      | DRAWING NUMBER | H-15064 |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|  |      |      |          |       |      |          |      |           |                   |      | NO. OF SHEETS  | 1       |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|  |      |      |          |       |      |          |      |           |                   |      | SHEET NO.      | FINAL   |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
|  |      |      |          |       |      |          |      |           |                   |      | REV.           | 0       |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |
| Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b><br>PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>EXCAVATION PLAN<br>SHEET 1 OF 2  |      |      |          |       |      |          |      |           |                   |      |                |         |      |     |      |       |      |    |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |         |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |                |         |  |  |  |  |  |  |  |  |  |  |  |               |   |  |  |  |  |  |  |  |  |  |  |  |           |       |  |  |  |  |  |  |  |  |  |  |  |      |   |



CELL No. 1 & 2 DRAINAGE DITCH  
SCALE 1" = 100'



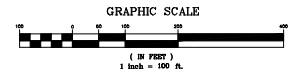
TEMPORARY CONTAINMENT BERM  
SCALE 1" = 100'

**LEGEND:**

- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
- ◆ SOIL BORING/TEMPORARY PIEZOMETER LOCATION
- ◆ DEEP BORING/TEMPORARY PIEZOMETER LOCATION
- PROPERTY LINE
- - - SITE BOUNDARY
- 200' BUFFER
- FAVORABLE/UNFAVORABLE AREA DELINEATION
- EXCAVATION LAYOUT CONTROL
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS

**EROSION CONTROL LEGEND**

- ④ Silt Fence (SEE H-15299)
- ① Diversion (SEE H-15299)
- ① Temporary Downdrain (SEE H-15296)
- ① Level Spreader
- ④ Disturbed Area Stabilization (PERMANENT VEGETATION SEE H-15303)



**NOTES:**

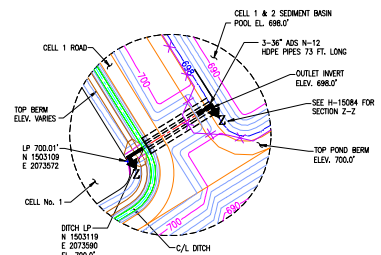
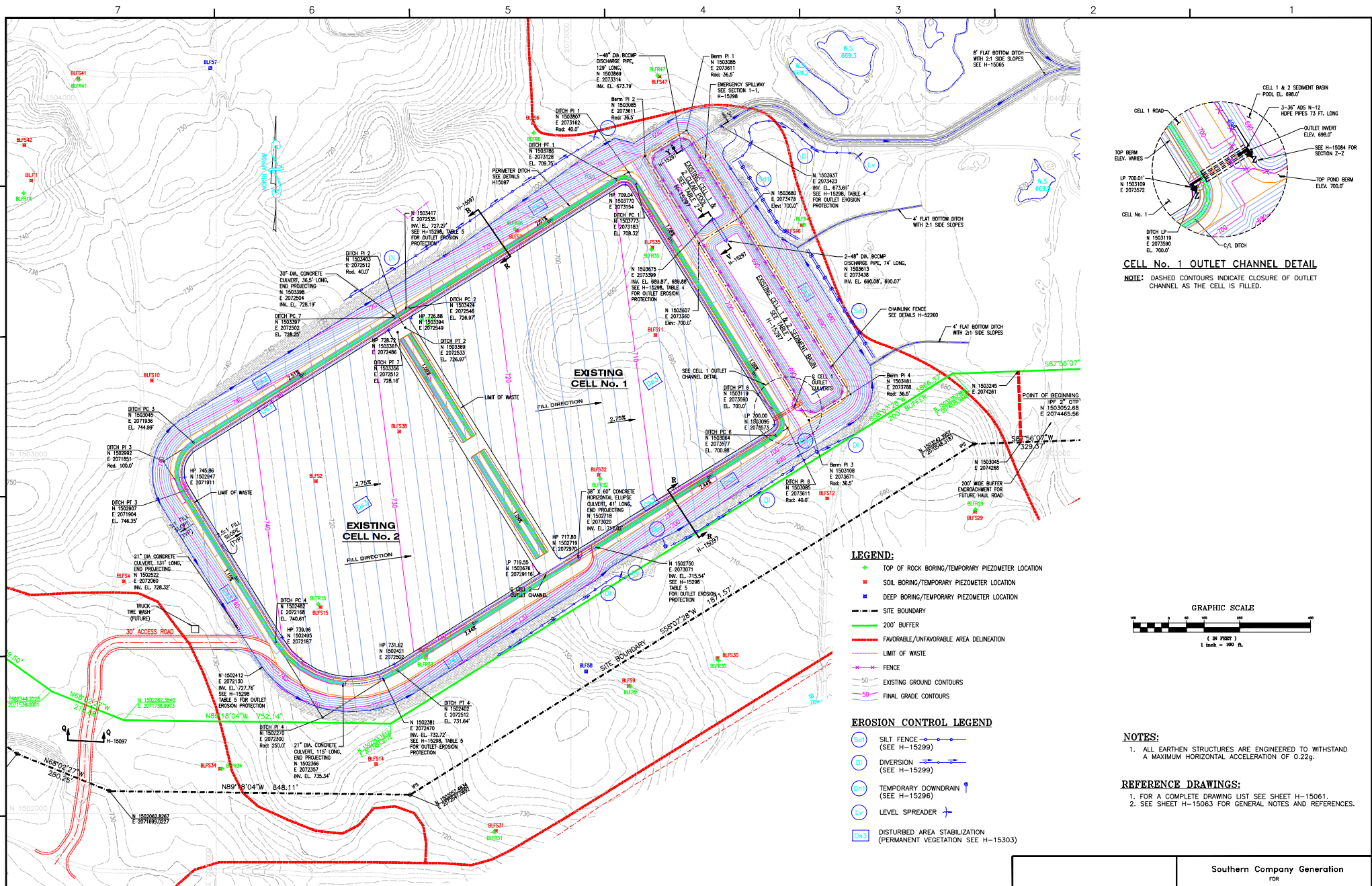
1. ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

**REFERENCE DRAWINGS:**

1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.
3. H-15064 CELL 1 & 2 SITE DEVELOPMENT EXCAVATION PLAN SH.1



|                   |      |           |            |              |          |           |     |   |          |            |         |          |          |
|-------------------|------|-----------|------------|--------------|----------|-----------|-----|---|----------|------------|---------|----------|----------|
| REVISION          |      | DATE      |            | REVISION     |          | DATE      |     | Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b>      |          |            |         |          |          |
|                   |      |           |            | 0            |          | 8/25/2022 |     | PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>EXCAVATION PLAN<br>SHEET 2 OF 2 |          |            |         |          |          |
| ISSUED FOR PERMIT |      |           |            |              |          |           |     |   |          |            |         |          |          |
| BY                | CHKD | DLG APPR  | ELECT APPR | LC APPR      | MED APPR | MSR APPR  | BY  | CHKD  | DLG APPR | ELECT APPR | LC APPR | MED APPR | MSR APPR |
|                   |      |           |            |              |          |           | ANR | RBL   |          |            |         |          |          |
| SCALE             |      | PROJ. NO. |            | SHEET NUMBER |          | REV.      |     |   |          |            |         |          |          |
| 1"=100'           |      | 10207     |            | H-15065      |          | 1         |     | FINAL 0   |          |            |         |          |          |

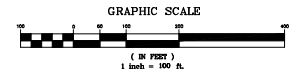


**CELL No. 1 OUTLET CHANNEL DETAIL**  
NOTE: DASHED CONTOURS INDICATE CLOSURE OF OUTLET CHANNEL AS THE CELL IS FILLED.

- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - LIMIT OF WASTE
  - FENCE
  - EXISTING GROUND CONTOURS
  - FINAL GRADE CONTOURS

**EROSION CONTROL LEGEND**

- Ⓢ SILT FENCE
- Ⓛ DIVERSION
- ⓁⓁ TEMPORARY DOWNDRAIN
- ⓁⓁ LEVEL SPREADER
- ⓁⓁⓁ DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)

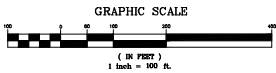
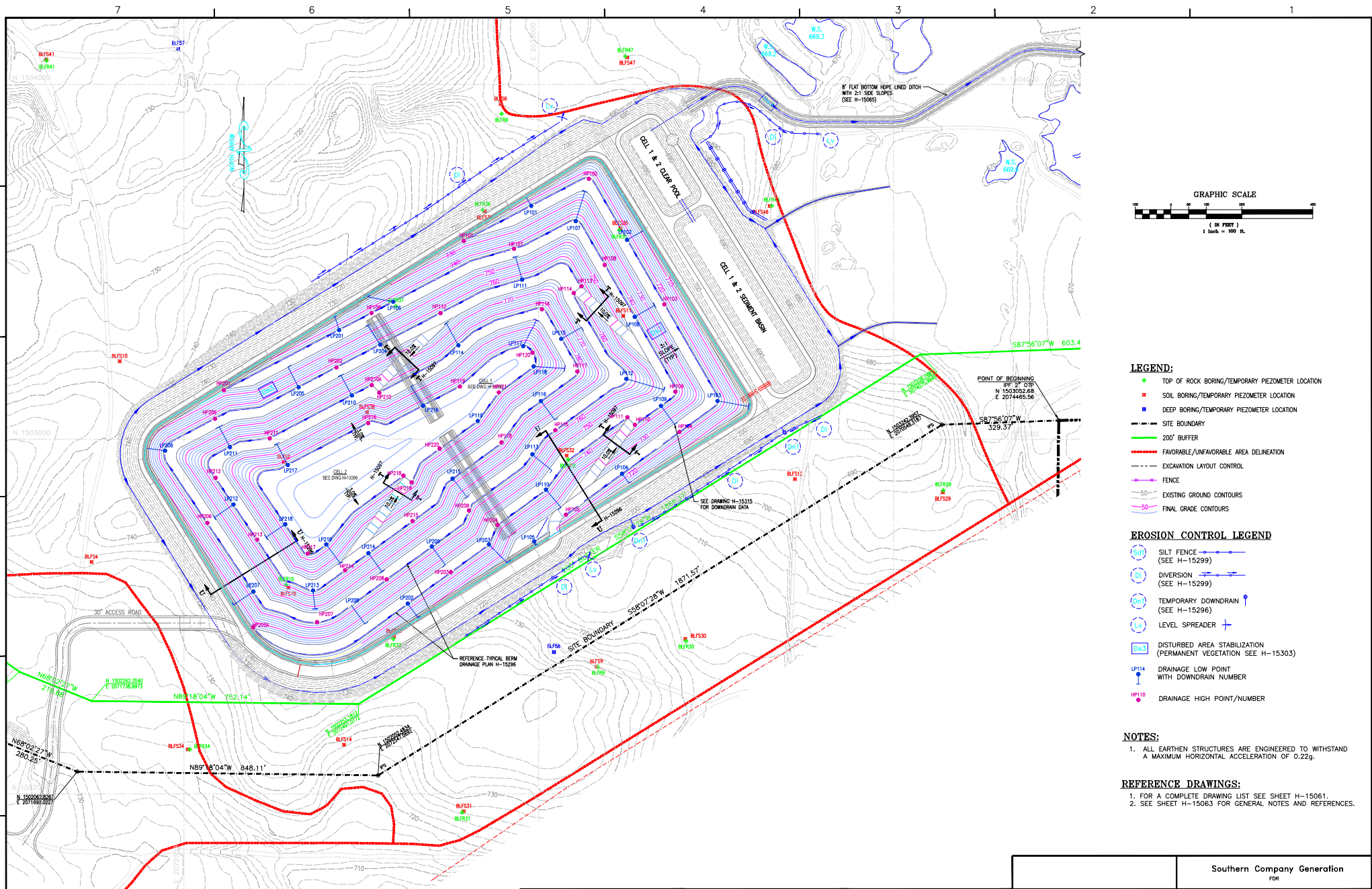


- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



| REVISION  | DATE  | REVISION | DATE | REVISION | DATE  | REVISION | DATE                           |                   |
|---|-------|----------|------|----------|-------|----------|--------------------------------|-------------------|
|   |       |          |      |          |       | 0        | 8/25/2022                      |                   |
|   |       |          |      |          |       |          | ISSUED FOR PERMIT              |                   |
| Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b>            |       |          |      |          |       |          |                                |                   |
| PLANT BOWEN<br>CCR LANDFILL<br>CELL 1 & 2 SITE DEVELOPMENT<br>BASE GRADE PLAN |       |          |      |          |       |          |                                |                   |
| BY  | CHK'D | APP'D    | DATE | BY       | CHK'D | APP'D    | DATE                           |                   |
|   |       |          |      | ANR      | RBL   |          |                                |                   |
|   |       |          |      |          |       |          | SCALE: 1"=100'                 | PROJECT NO: 12027 |
|   |       |          |      |          |       |          | DRAWING NUMBER: <b>H-15066</b> | SHEET: 1 OF 1     |



- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - - - SITE BOUNDARY
  - - - 200' BUFFER
  - - - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - - - EXCAVATION LAYOUT CONTROL
  - - - FENCE
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS

- EROSION CONTROL LEGEND**
- (Sd) SILT FENCE (SEE H-15299)
  - (Dl) DIVERSION (SEE H-15299)
  - (Dnt) TEMPORARY DOWNDRAIN (SEE H-15296)
  - (Lv) LEVEL SPREADER
  - (D&S) DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - LP14 DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - HP10 DRAINAGE HIGH POINT/NUMBER

- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

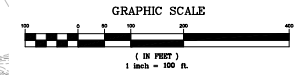
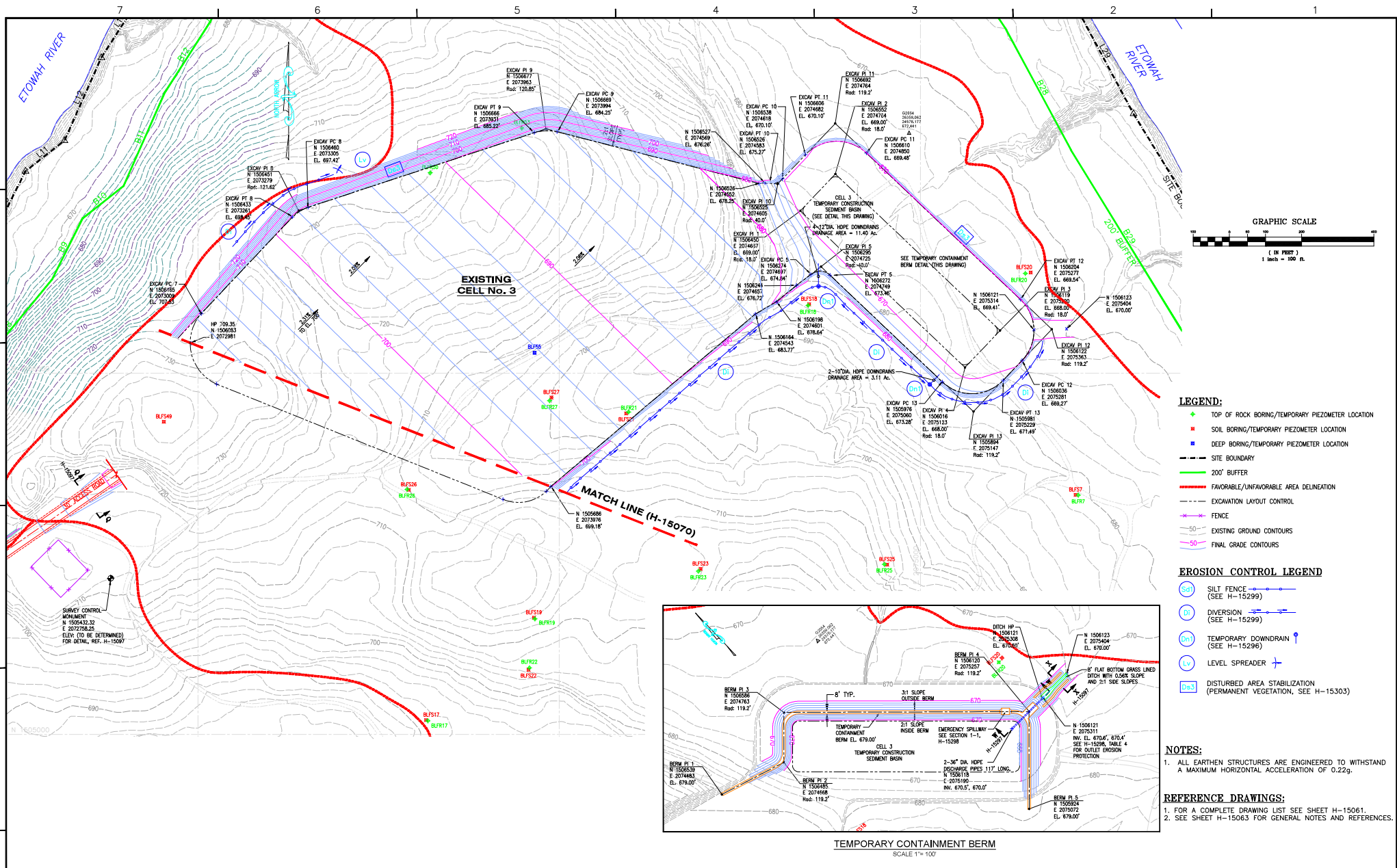


| REVISION | DATE | REVISION | DATE | REVISION | DATE |
|----------|------|----------|------|----------|------|
|          |      |          |      |          |      |
|          |      |          |      |          |      |
|          |      |          |      |          |      |

REVISION 0 DATE 8/25/2022  
ISSUED FOR PERMIT

Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
CCB DISPOSAL FACILITY  
CELL 1 & 2 FINAL STACKING PLAN

| BY | CHK'D | DATE | APP'D | DATE | APP'D | BY | CHK'D | DATE | APP'D | DATE | APP'D | BY | CHK'D | DATE | APP'D | DATE | APP'D | SCALE   | PROJ. NO. | DRAWING NUMBER | REV. | CON'T. | REV. |
|----|-------|------|-------|------|-------|----|-------|------|-------|------|-------|----|-------|------|-------|------|-------|---------|-----------|----------------|------|--------|------|
|    |       |      |       |      |       |    |       |      |       |      |       |    |       |      |       |      |       | 1"=100' | 10207     | <b>H-15067</b> | 1    | FINAL  | 0    |



- LEGEND:**
- TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - - - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - - - EXCAVATION LAYOUT CONTROL
  - - - FENCE
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS

- EROSION CONTROL LEGEND**
- ⊕ Silt Fence (SEE H-15299)
  - ⊕ Diversion (SEE H-15299)
  - ⊕ Temporary Downdrain (SEE H-15299)
  - ⊕ Level Spreader
  - ⊕ Disturbed Area Stabilization (PERMANENT VEGETATION, SEE H-15303)

- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

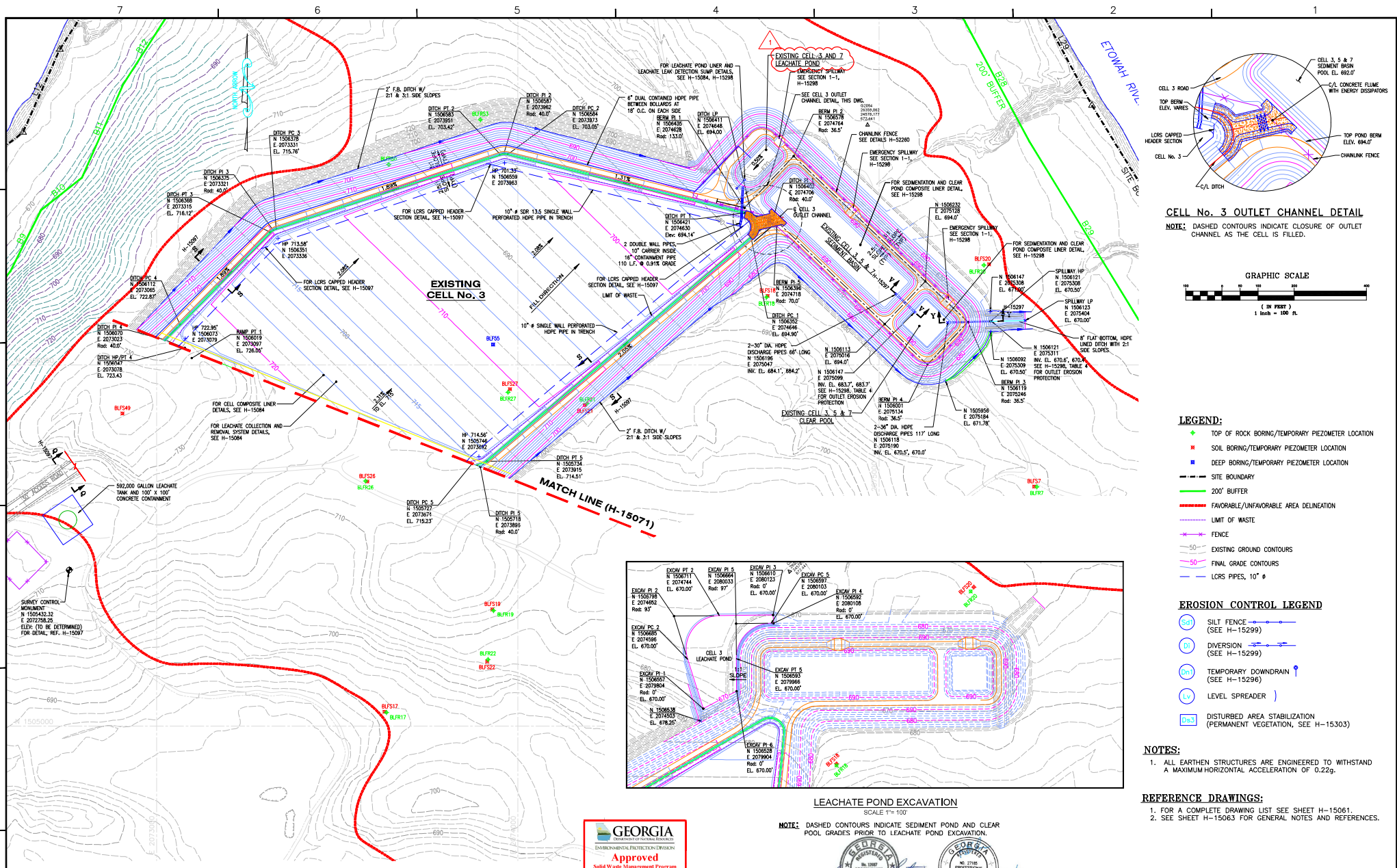
- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

| REVISION | DATE | REVISION | DATE | REVISION | DATE | REVISION          | DATE      |
|----------|------|----------|------|----------|------|-------------------|-----------|
|          |      |          |      |          |      | 0                 | 8/25/2022 |
|          |      |          |      |          |      | ISSUED FOR PERMIT |           |
| BY       | CHKD | DATE     | BY   | CHKD     | DATE | BY                | CHKD      |
|          |      |          |      |          |      | ANR               | RBL       |



Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
OCR LANDFILL  
CELL 3 SITE DEVELOPMENT  
EXCAVATION PLAN

SCALE: HORIZ. 1"=100'  
VERT. 1"=10'  
DRAWING NUMBER: **H-15068**  
SHEET: 1 OF 1

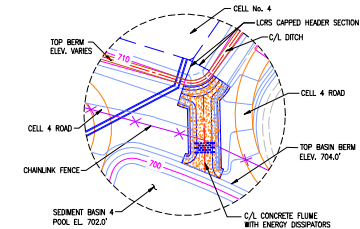
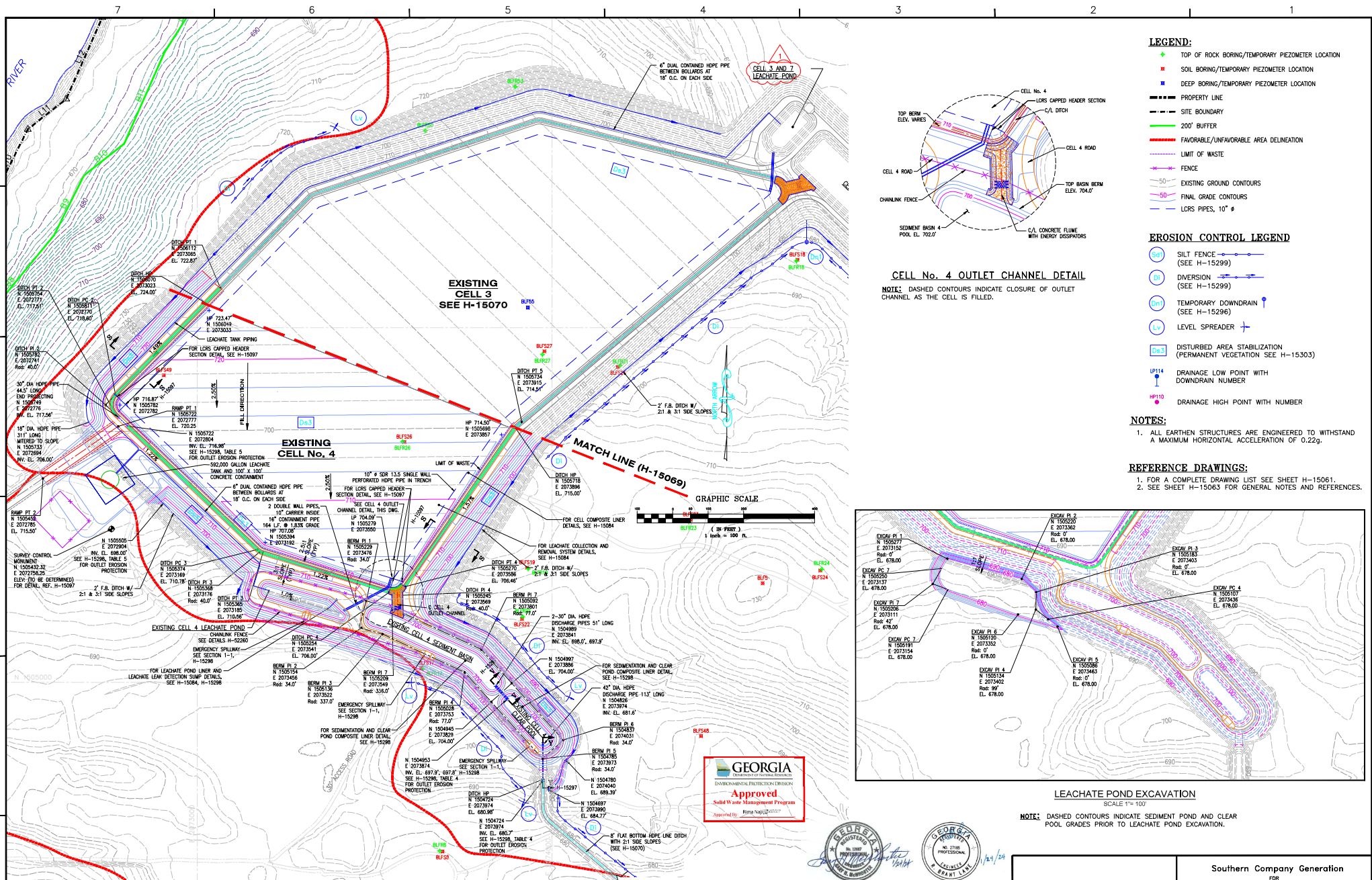


| REVISION | DATE  | REVISION | DATE | REVISION | DATE | REVISION  | DATE      | REVISION          | DATE      |
|----------|-------|----------|------|----------|------|---|-----------|-------------------|-----------|
|          |       |          |      |          |      | 1   | 1/24/2024 | 0                 | 8/25/2022 |
|          |       |          |      |          |      | ISSUED FOR MINOR MODIFICATION (BY HHNT)   |           | ISSUED FOR PERMIT |           |
|          |       |          |      |          |      | REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |           |                   |           |
| BY       | CHK'D | DATE     | BY   | CHK'D    | DATE | BY  | CHK'D     | DATE              | BY        |
| ANR      | RBL   |          |      |          |      |   |           |                   |           |

Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
CCR LANDFILL  
CELL 3 SITE DEVELOPMENT  
BASE GRADE PLAN

|         |            |                 |            |           |
|---------|------------|-----------------|------------|-----------|
| SCALE   | HORIZ. LB. | VERTICAL NUMBER | NO. SHEETS | NO. REV'S |
| 1"=100' | 12007      | <b>H-15069</b>  | 1          | FINAL 0   |





**CELL No. 4 OUTLET CHANNEL DETAIL**

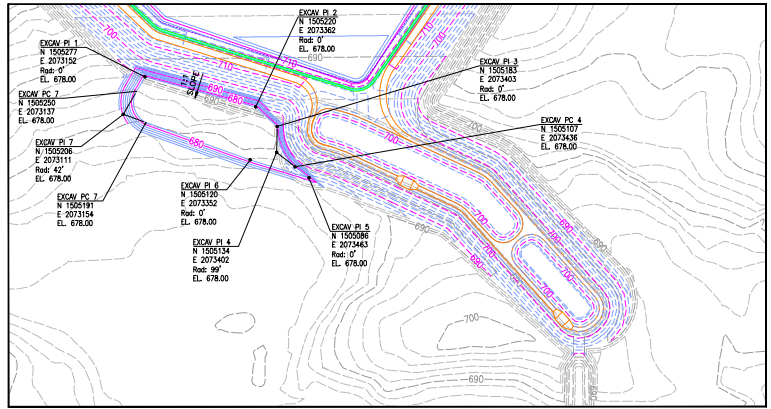
NOTE: DASHED CONTOURS INDICATE CLOSURE OF OUTLET CHANNEL AS THE CELL IS FILLED.

- LEGEND:**
- ▲ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - PROPERTY LINE
  - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - LIMIT OF WASTE
  - FENCE
  - EXISTING GROUND CONTOURS
  - FINAL GRADE CONTOURS
  - LCRS PIPES, 10" Ø

- EROSION CONTROL LEGEND**
- Sd1 SILT FENCE (SEE H-15299)
  - D1 DIVERSION (SEE H-15299)
  - Dn1 TEMPORARY DOWNDRAIN (SEE H-15296)
  - Lv1 LEVEL SPREADER
  - Da3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - LP14 DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - HP110 DRAINAGE HIGH POINT WITH NUMBER

- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



**LEACHATE POND EXCAVATION**

SCALE 1"=100'

NOTE: DASHED CONTOURS INDICATE SEDIMENT POND AND CLEAR POOL GRADES PRIOR TO LEACHATE POND EXCAVATION.



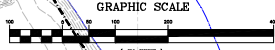
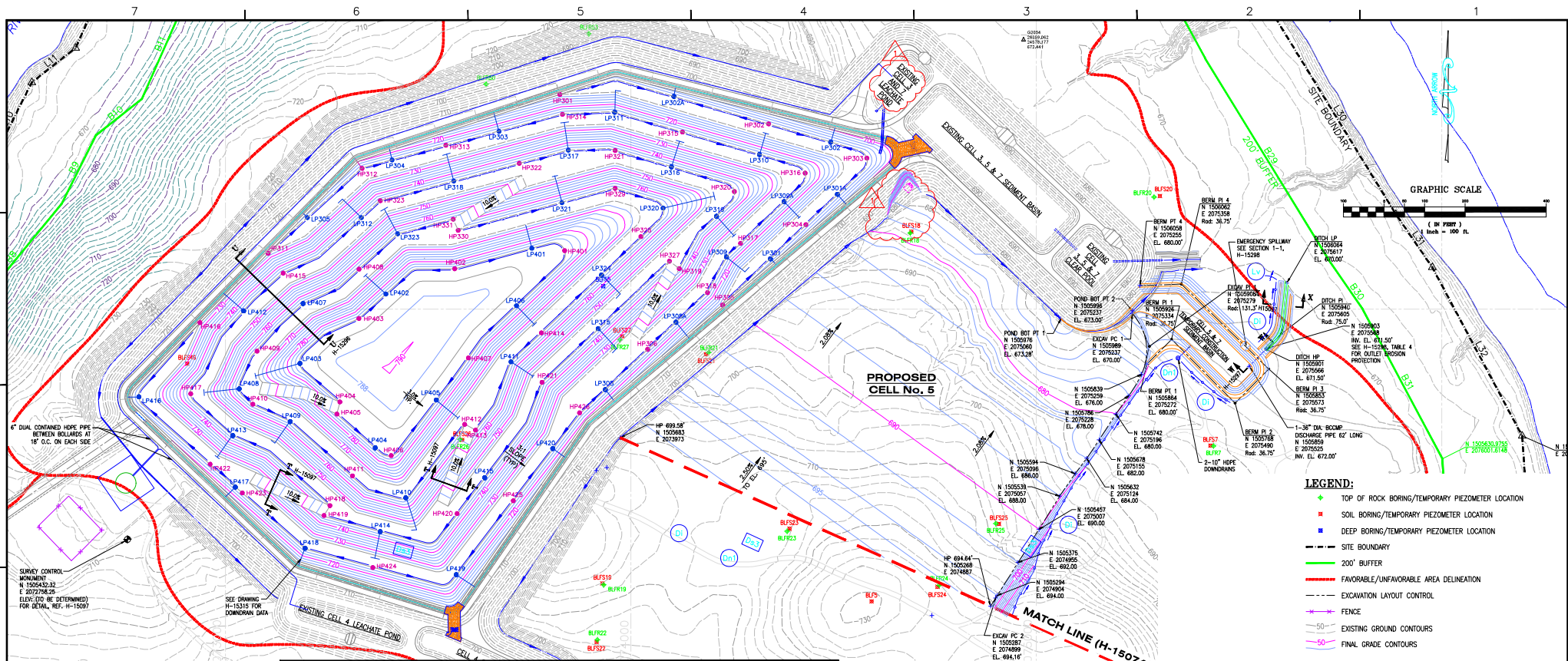
| REVISION   | DATE           | REVISION   | DATE           | REVISION | DATE | REVISION          | DATE | REVISION | DATE | REVISION | DATE |
|--|----------------|------------|----------------|----------|------|-------------------|------|----------|------|----------|------|
| REVISION 1   | DATE 1/24/2024 | REVISION 0 | DATE 8/25/2022 |          |      |                   |      |          |      |          |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)  |                |            |                |          |      | ISSUED FOR PERMIT |      |          |      |          |      |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |                |            |                |          |      |                   |      |          |      |          |      |
| BY   | CHKD           | APPV       | DATE           | BY       | CHKD | APPV              | DATE | BY       | CHKD | APPV     | DATE |
| ANR  | RBL            |            |                | ANR      | RBL  |                   |      |          |      |          |      |

Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
CCR LANDFILL  
CELL 4 SITE DEVELOPMENT  
BASE GRADE PLAN

SCALE: HORIZ. 1"=100' VERT. 1"=10'

CHANGED NUMBER: **H-15071**

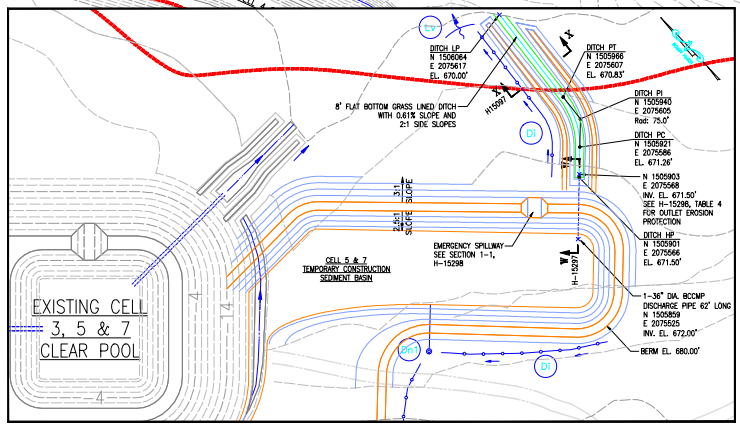
DATE: 1 FINAL 0



- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - - - SITE BOUNDARY
  - 200' BUFFER
  - - - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - - - EXCAVATION LAYOUT CONTROL
  - FENCE
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS

- EROSION CONTROL LEGEND**
- (Sd) SILT FENCE (SEE H-15299)
  - (D) DIVERSION (SEE H-15299)
  - (Dn) TEMPORARY DOWNDRAIN (SEE H-15298)
  - (Lv) LEVEL SPREADER
  - (DSt) DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - LP14 DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - HP10 DRAINAGE HIGH POINT/NUMBER

- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.
- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

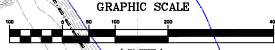
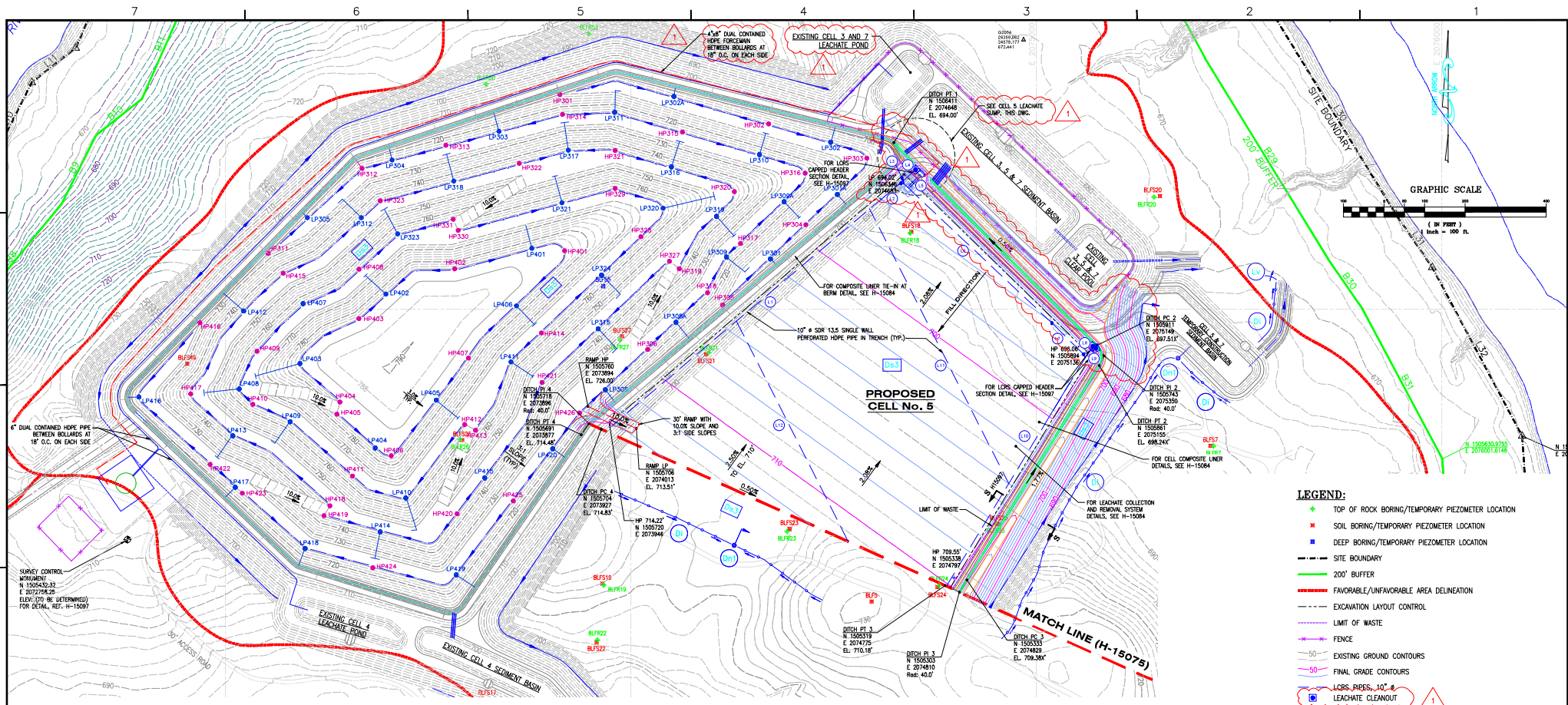


CONSTRUCTION SEDIMENT BASIN DITCH DETAILS  
SCALE T=50

| REVISION  | DATE           | REVISION   | DATE           | REVISION          | DATE  | REVISION | DATE | REVISION | DATE  |       |      |
|---|----------------|------------|----------------|-------------------|-------|----------|------|----------|-------|-------|------|
| REVISION 1  | DATE 1/24/2024 | REVISION 0 | DATE 8/25/2022 |                   |       |          |      |          |       |       |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)   |                |            |                | ISSUED FOR PERMIT |       |          |      |          |       |       |      |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 POND TO CELL 5 ACCESS ROAD. |                |            |                |                   |       |          |      |          |       |       |      |
| BY  | CHK'D          | APP'D      | DATE           | BY                | CHK'D | APP'D    | DATE | BY       | CHK'D | APP'D | DATE |
| ANR   | RBL            |            |                | ANR               | RBL   |          |      | ANR      | RBL   |       |      |

Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
CCR LANDFILL  
CELL 5 SITE DEVELOPMENT  
EXCAVATION PLAN

SCALE: HORIZ. 1"=100'  
VERT. 1"=10'  
DRAWING NUMBER: **H-15072**  
SHEET: 1 OF 1



- LEGEND:**
- ✦ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - ✦ SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - ✦ DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - EXCAVATION LAYOUT CONTROL
  - LIMIT OF WASTE
  - FENCE
  - EXISTING GROUND CONTOURS
  - FINAL GRADE CONTOURS
  - Ⓞ LCRS PIPES, 10" & LEACHATE CLEANOUT

- EROSION CONTROL LEGEND**
- Ⓞ Silt Fence (SEE H-15299)
  - Ⓞ Diversion (SEE H-15299)
  - Ⓞ Temporary Downdrain (SEE H-15296)
  - Ⓞ Level Spreader
  - Ⓞ Disturbed Area Stabilization (PERMANENT VEGETATION SEE H-15303)
  - Ⓞ Drainage Low Point with Downdrain Number
  - Ⓞ Drainage High Point/Number

**CELL 5 LEACHATE COLLECTION SYSTEM DATA**

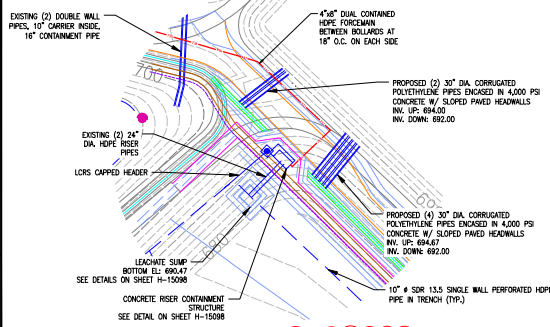
| PIPE NO. | PIPE SIZE    |       |     |
|----------|--------------|-------|-----|
|          | PERFORATED   | SOLID |     |
| L1       | 80" @ 2.01%  | --    | --  |
| L2       | 60" @ 2.01%  | --    | --  |
| L3       | 20" @ 0.61%  | --    | --  |
| L4       | --           | 54"   | --  |
| L5       | --           | 42"   | 42" |
| L6       | 48" @ 0.30%  | --    | --  |
| L7       | 116" @ 0.32% | --    | --  |
| L8       | --           | --    | 43" |
| L9       | --           | --    | 34" |
| L10      | 65" @ 2.07%  | --    | --  |
| L11      | 75" @ 0.96%  | --    | --  |
| L12      | 61" @ 0.95%  | --    | --  |

**NOTES:**

- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

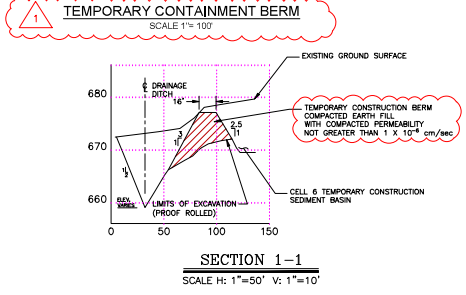
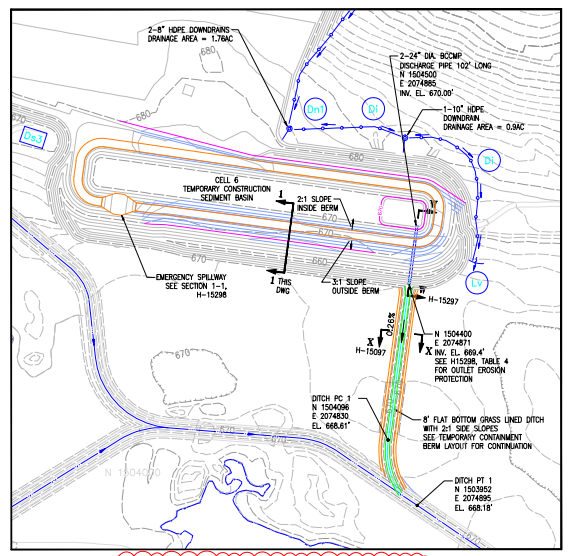
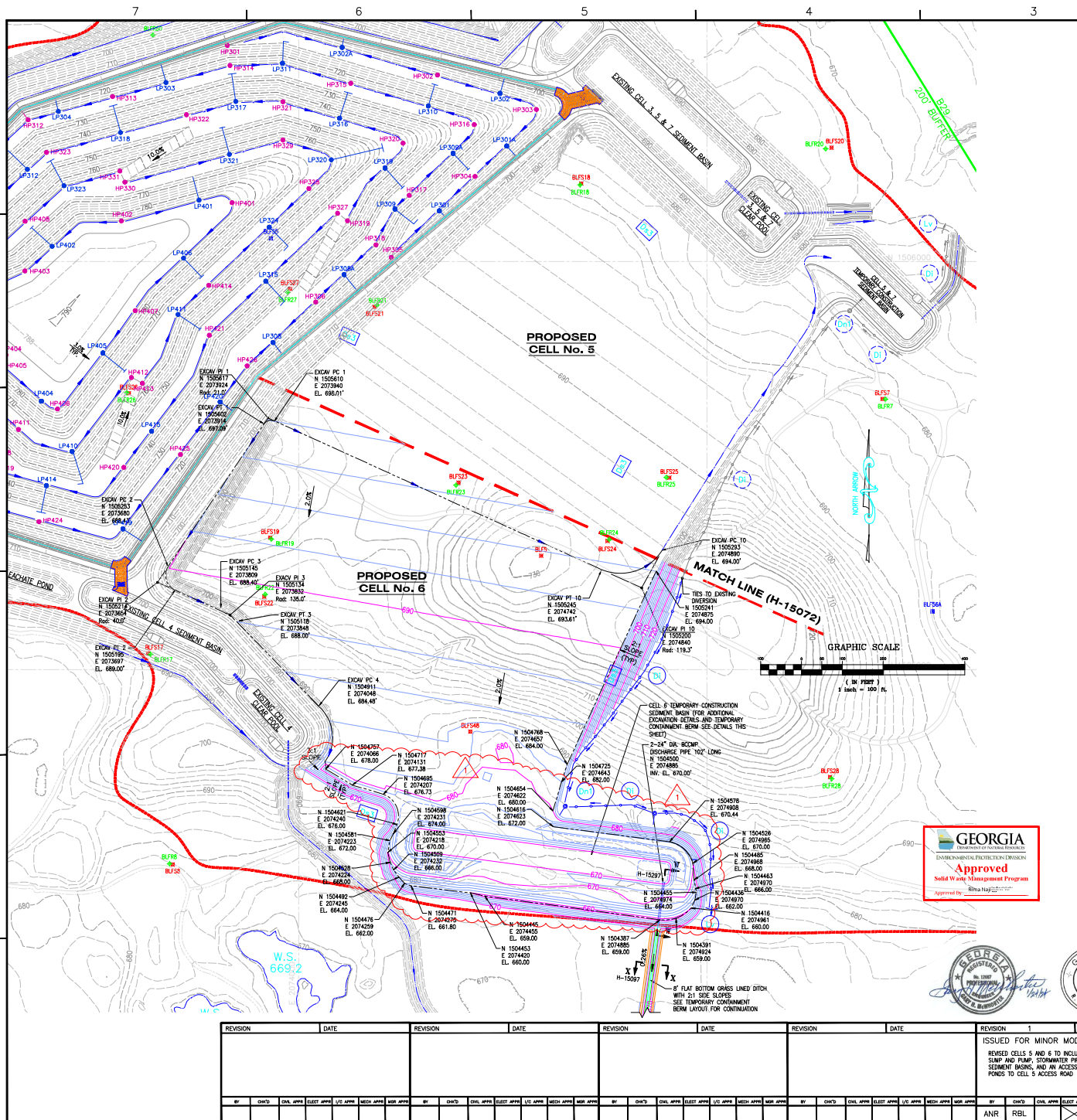
**REFERENCE DRAWINGS:**

- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
- SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



**CELL 5 LEACHATE SUMP**

|  |       |          |      |          |      |   |                |                   |                |
|--|-------|----------|------|----------|------|---|----------------|-------------------|----------------|
| REVISION   | DATE  | REVISION | DATE | REVISION | DATE | REVISION 1                              | DATE 1/24/2024 | REVISION 0        | DATE 8/25/2022 |
|  |       |          |      |          |      | ISSUED FOR MINOR MODIFICATION (BY HHNT) |                | ISSUED FOR PERMIT |                |
| REVISIONS CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEGMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |       |          |      |          |      |   |                |                   |                |
| <b>Southern Company Generation FOR GEORGIA POWER COMPANY</b><br>PLANT BOWEN<br>CCR LANDFILL<br>CELL 5 SITE DEVELOPMENT<br>BASE GRADE PLAN  |       |          |      |          |      |   |                |                   |                |
| BY   | CHK'D | DATE     | BY   | CHK'D    | DATE | BY                                      | CHK'D          | DATE              | BY             |
| ANR  | RBL   |          |      |          |      |   |                |                   |                |
| SCALE: HORIZ. 1"=100' VERT. 1"=10' DRAWING NUMBER: <b>H-15073</b> SHEET NO. 1 OF 1   |       |          |      |          |      |   |                |                   |                |



- LEGEND:**
- TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - PROPERTY LINE
  - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - EXCAVATION LAYOUT CONTROL
  - EXISTING GROUND CONTOURS
  - FINAL GRADE CONTOURS
- EROSION CONTROL LEGEND**
- SILT FENCE
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DIVERSION
  - TEMPORARY DOWNDRAIN
  - LEVEL SPREADER
  - DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - DRAINAGE HIGH POINT/NUMBER



**NOTES:**

- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

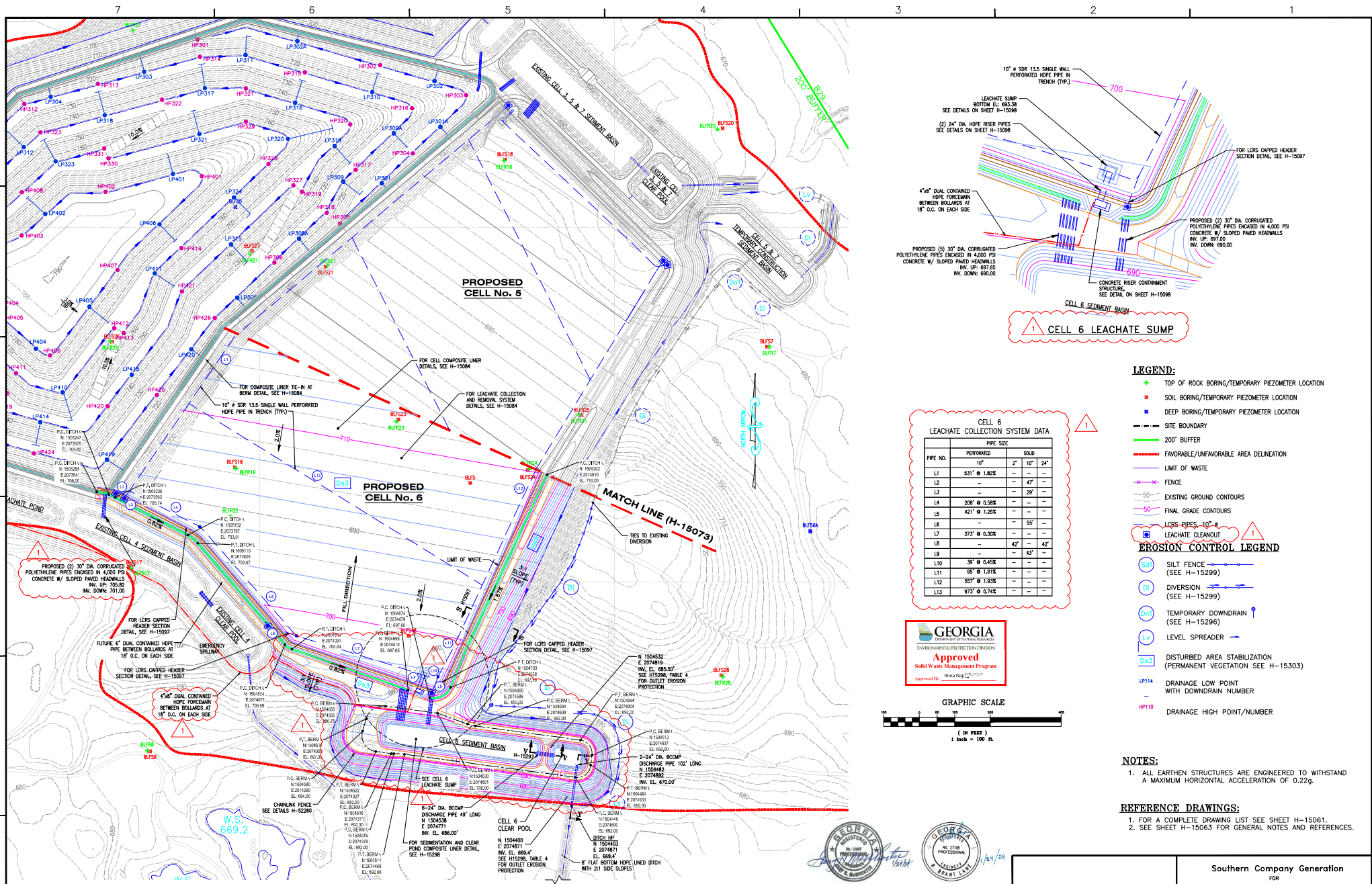
**REFERENCE DRAWINGS:**

- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
- SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

| REVISION  | DATE           | REVISION   | DATE           | REVISION          | DATE  | REVISION | DATE  | REVISION | DATE  |      |       |
|---|----------------|------------|----------------|-------------------|-------|----------|-------|----------|-------|------|-------|
| REVISION 1  | DATE 1/24/2024 | REVISION 0 | DATE 8/25/2022 |                   |       |          |       |          |       |      |       |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)   |                |            |                | ISSUED FOR PERMIT |       |          |       |          |       |      |       |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEANWATER SLUMP BASIN, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD |                |            |                |                   |       |          |       |          |       |      |       |
| BY  | CHK'D          | DATE       | APP'D          | BY                | CHK'D | DATE     | APP'D | BY       | CHK'D | DATE | APP'D |
| ANR   | RBL            |            |                | ANR               | RBL   |          |       |          |       |      |       |

Southern Company Generation  
 FOR  
**GEORGIA POWER COMPANY**  
 PLANT BOWEN  
 CCR LANDFILL  
 CELL 6 SITE DEVELOPMENT  
 EXCAVATION PLAN

SCALE: AS SHOWN  
 HSD: 12007  
 DRAWING NUMBER: **H-15074**  
 SHEET NO.: 1  
 TOTAL SHEETS: 1

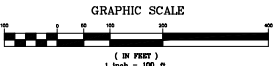


**CELL 6 LEACHATE SUMP**

- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - ◆ SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - ◆ DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - LIMIT OF WASTE
  - FENCE
  - EXISTING GROUND CONTOURS
  - FINAL GRADE CONTOURS
  - LCRS-PIPES-10' & LEACHATE CLEANOUT
- EROSION CONTROL LEGEND**
- Sd1 SILT FENCE (SEE H-15299)
  - D1 DIVERSION (SEE H-15299)
  - Dn1 TEMPORARY DOWNDRAIN (SEE H-15296)
  - Lv LEVEL SPREADER
  - Ds3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - LP14 DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - HP10 DRAINAGE HIGH POINT/NUMBER

**CELL 6 LEACHATE COLLECTION SYSTEM DATA**

| PIPE NO. | PIPE SIZE  |       |     |     |
|----------|------------|-------|-----|-----|
|          | PERFORATED | 10"   | 12" | 24" |
| L1       | 531'       | 1.82% | --- | --- |
| L2       | ---        | ---   | 47' | --- |
| L3       | ---        | ---   | 29' | --- |
| L4       | 208'       | 0.58% | --- | --- |
| L5       | 421'       | 1.25% | --- | --- |
| L6       | ---        | ---   | 55' | --- |
| L7       | 375'       | 0.30% | --- | --- |
| L8       | ---        | ---   | 42' | 42' |
| L9       | ---        | ---   | 43' | --- |
| L10      | 39'        | 0.65% | --- | --- |
| L11      | 83'        | 1.51% | --- | --- |
| L12      | 557'       | 1.51% | --- | --- |
| L13      | 975'       | 0.74% | --- | --- |



**NOTES:**

- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

**REFERENCE DRAWINGS:**

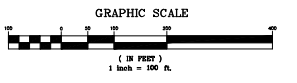
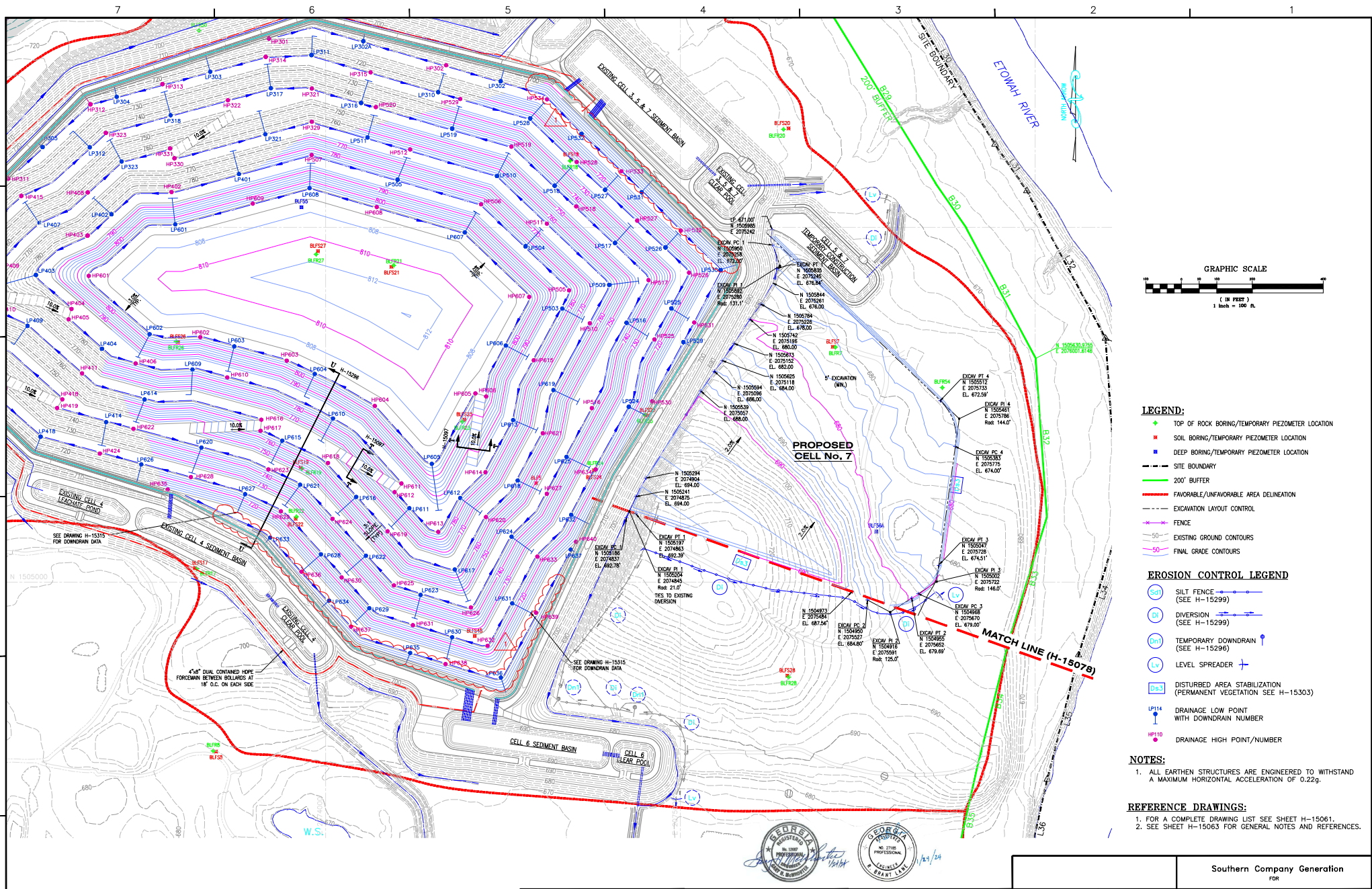
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
- SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



| REVISION   | DATE           | REVISION   | DATE           | REVISION          | DATE  | REVISION | DATE | REVISION | DATE  |       |      |
|--|----------------|------------|----------------|-------------------|-------|----------|------|----------|-------|-------|------|
| REVISION 1   | DATE 1/24/2024 | REVISION 0 | DATE 8/25/2022 |                   |       |          |      |          |       |       |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)  |                |            |                | ISSUED FOR PERMIT |       |          |      |          |       |       |      |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD |                |            |                |                   |       |          |      |          |       |       |      |
| BY   | CHK'D          | APP'D      | DATE           | BY                | CHK'D | APP'D    | DATE | BY       | CHK'D | APP'D | DATE |
| ANR  | RBL            |            |                | ANR               | RBL   |          |      | ANR      | RBL   |       |      |

Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
CCR LANDFILL  
CELL 6 SITE DEVELOPMENT  
BASE GRADE PLAN

SCALE: HORIZ. 1"=100'  
VERT. 1"=10'  
DRAWN NUMBER: **H-15075**  
DATE: 1/24/2024  
SHEET NO.: 1 OF 1



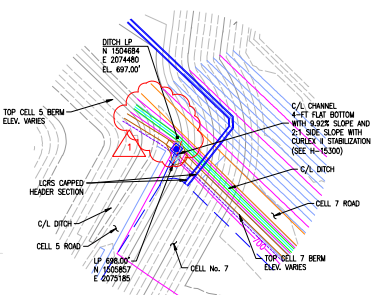
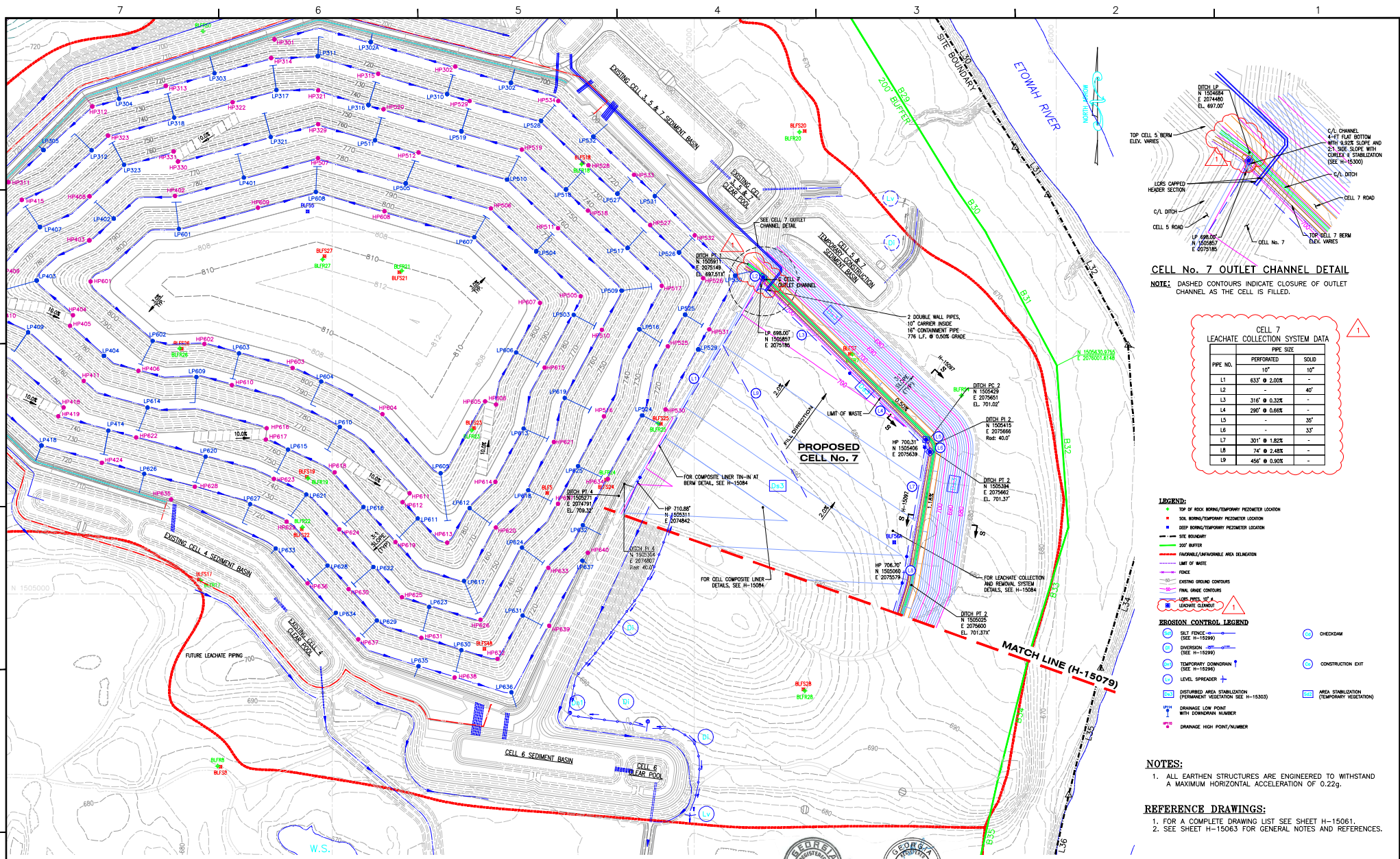
- LEGEND:**
- TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - - - SITE BOUNDARY
  - 200' BUFFER
  - - - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - - - EXCAVATION LAYOUT CONTROL
  - FENCE
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS
- EROSION CONTROL LEGEND**
- (S1) SILT FENCE (SEE H-15299)
  - (D) DIVERSION (SEE H-15299)
  - (D1) TEMPORARY DOWNDRAIN (SEE H-15299)
  - (LV) LEVEL SPREADER
  - (DS) DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - (LP14) DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - (HP10) DRAINAGE HIGH POINT/NUMBER

- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.
- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



| REVISION | DATE  | REVISION | DATE | REVISION  | DATE      | REVISION          | DATE      |
|----------|-------|----------|------|---|-----------|-------------------|-----------|
|          |       |          |      | 1   | 1/24/2024 | 0                 | 8/25/2022 |
|          |       |          |      | ISSUED FOR MINOR MODIFICATION (BY HINT)   |           | ISSUED FOR PERMIT |           |
|          |       |          |      | REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLIMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |           |                   |           |
| BY       | CHK'D | APP'D    | DATE | BY  | CHK'D     | APP'D             | DATE      |
|          |       |          |      | ANR   | RBL       |                   |           |

|                                 |           |   |         |
|---------------------------------|-----------|---|---------|
| Southern Company Generation FOR |           | GEORGIA POWER COMPANY                   |         |
| PLANT BOWEN CCR LANDFILL        |           | CELL 7 SITE DEVELOPMENT EXCAVATION PLAN |         |
| SCALE                           | PROJ. NO. | DRAWING NUMBER                          | REV.    |
| 1"=100'                         | 10207     | H-15076                                 | 1 FINAL |



**CELL No. 7 OUTLET CHANNEL DETAIL**  
 NOTE: DASHED CONTOURS INDICATE CLOSURE OF OUTLET CHANNEL AS THE CELL IS FILLED.

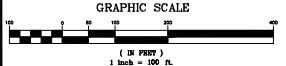
**CELL 7 LEACHATE COLLECTION SYSTEM DATA**

| PIPE NO. | PERFORATED   | PIPE SIZE | SOLID |
|----------|--------------|-----------|-------|
| L1       | 63" @ 2.00%  | -         | -     |
| L2       | -            | 40"       | -     |
| L3       | 316" @ 0.32% | -         | -     |
| L4       | 290" @ 0.06% | -         | -     |
| L5       | -            | 35"       | -     |
| L6       | -            | 33"       | -     |
| L7       | 301" @ 1.82% | -         | -     |
| L8       | 74" @ 2.48%  | -         | -     |
| L9       | 456" @ 0.90% | -         | -     |

- LEGEND:**
- TOP OF ROCK BERM/TORQUEY PNEUMETER LOCATION
  - SOIL BERM/TORQUEY PNEUMETER LOCATION
  - BENT BERM/TORQUEY PNEUMETER LOCATION
  - SITE BOUNDARY
  - 20' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - LIMIT OF WASTE
  - FENCE
  - EXISTING GROUND CONTOURS
  - FINAL CONTOURS
  - LEACHATE COLLECTION SYSTEM
  - LEACHATE CHANNEL
- EROSION CONTROL LEGEND:**
- Silt Fence
  - Checkdam
  - Diversion
  - Temporary Confinement
  - Level Spreader
  - Disturbed Area Stabilization
  - Area Stabilization
  - Drainage Low Point
  - Drainage High Point/Number

**NOTES:**  
 1. ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

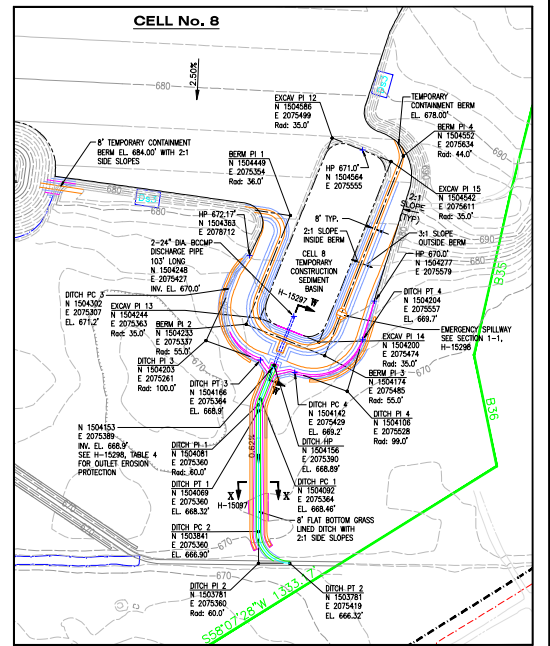
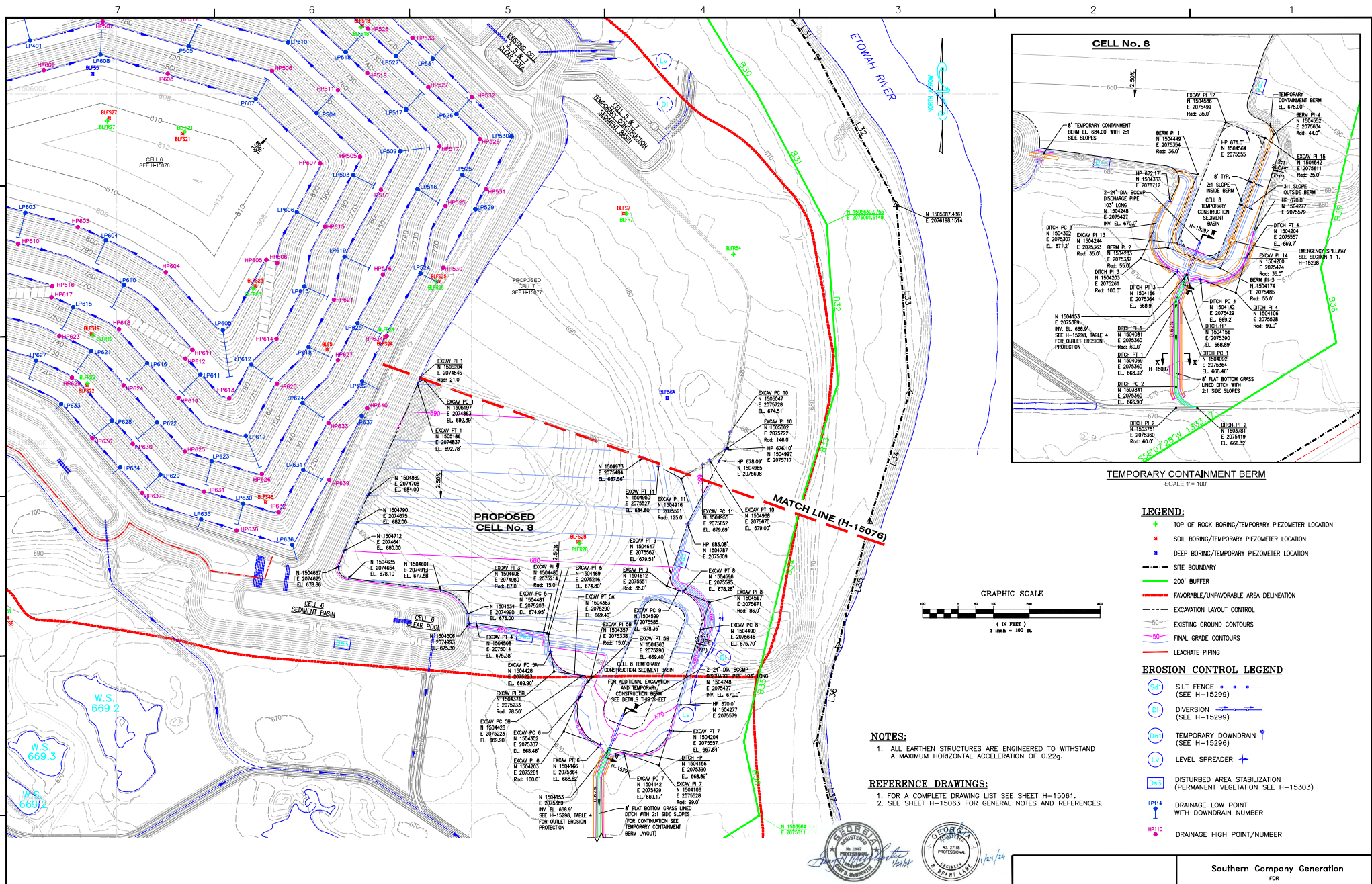
**REFERENCE DRAWINGS:**  
 1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.  
 2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



|   |           |          |           |                   |           |          |           |          |           |
|---|-----------|----------|-----------|-------------------|-----------|----------|-----------|----------|-----------|
| REVISION  | DATE      | REVISION | DATE      | REVISION          | DATE      | REVISION | DATE      | REVISION | DATE      |
| 1   | 1/24/2024 | 0        | 8/25/2022 | 1                 | 1/24/2024 | 0        | 8/25/2022 | 1        | 1/24/2024 |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)   |           |          |           | ISSUED FOR PERMIT |           |          |           |          |           |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |           |          |           |                   |           |          |           |          |           |
| BY  | CHK'D     | DATE     | BY        | CHK'D             | DATE      | BY       | CHK'D     | DATE     | BY        |
| ANR   | RBL       |          |           |                   |           |          |           |          |           |

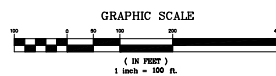
Southern Company Generation  
 FOR  
**GEORGIA POWER COMPANY**  
 PLANT BOWEN  
 OCR LANDFILL  
 CELL 7 SITE DEVELOPMENT  
 BASE GRADE PLAN

|         |           |                |      |         |
|---------|-----------|----------------|------|---------|
| SCALE   | PROJ. NO. | DRAWING NUMBER | REV. | NOV.    |
| 1"=100' | 12027     | H-15077        | 1    | FINAL 1 |



TEMPORARY CONTAINMENT BERM  
SCALE 1"=100'

- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - - - SITE BOUNDARY
  - 200' BUFFER
  - - - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - - - EXCAVATION LAYOUT CONTROL
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS
  - - - LEACHATE PIPING
- EROSION CONTROL LEGEND**
- (S1) SILT FENCE (SEE H-15299)
  - (D1) DIVERSION (SEE H-15299)
  - (D11) TEMPORARY DOWNDRAIN (SEE H-15296)
  - (LV) LEVEL SPREADER
  - (D.S) DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - (LP114) DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - (HP110) DRAINAGE HIGH POINT/NUMBER



**NOTES:**

- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

**REFERENCE DRAWINGS:**

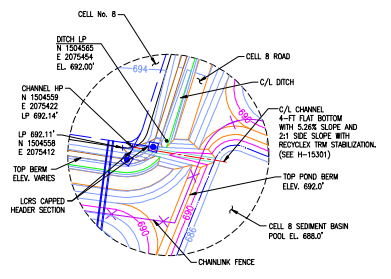
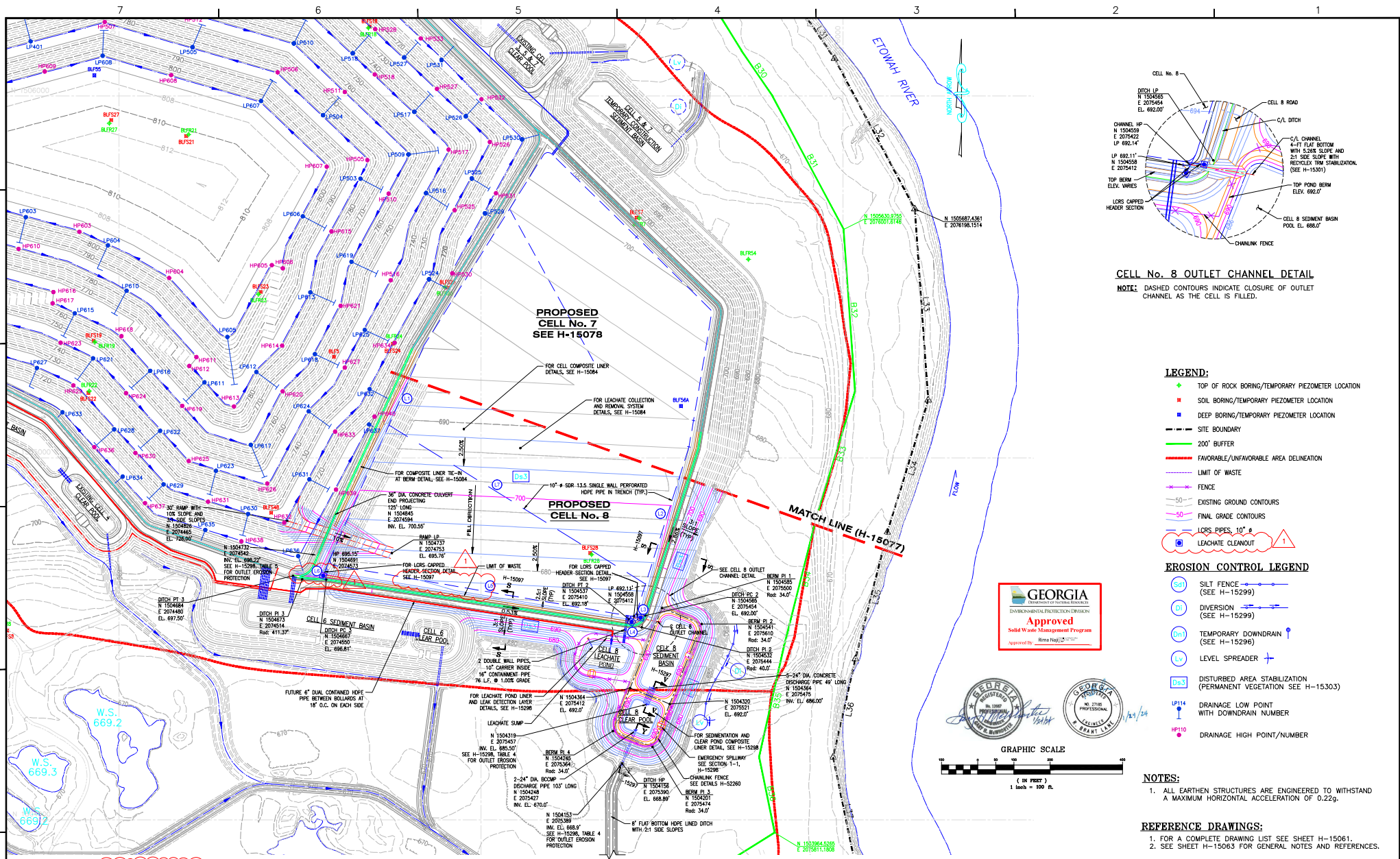
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
- SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



| REVISION   | DATE      | REVISION   | DATE      | REVISION          | DATE | REVISION | DATE  | REVISION | DATE |
|--|-----------|------------|-----------|-------------------|------|----------|-------|----------|------|
| REVISION 1   | 1/24/2024 | REVISION 0 | 8/25/2022 |                   |      |          |       |          |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)  |           |            |           | ISSUED FOR PERMIT |      |          |       |          |      |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD |           |            |           |                   |      |          |       |          |      |
| NO.  | CHG'D     | CHK'D      | APP'D     | DATE              | NO.  | CHG'D    | CHK'D | APP'D    | DATE |
| ANR  | RBL       |            |           |                   | ANR  | RBL      |       |          |      |

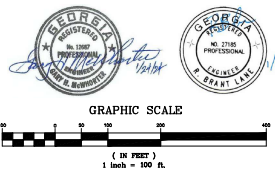
Southern Company Generation  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
CCB DISPOSAL FACILITY  
CELL 8 SITE DEVELOPMENT  
EXCAVATION PLAN

SCALE: 1"=100'  
12007  
DRAWING NUMBER: **H-15078**  
REV: 1  
FINAL 1



**CELL No. 8 OUTLET CHANNEL DETAIL**  
 NOTE: DASHED CONTOURS INDICATE CLOSURE OF OUTLET CHANNEL AS THE CELL IS FILLED.

- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - - - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - LIMIT OF WASTE
  - FENCE
  - 50' EXISTING GRADE CONTOURS
  - 50' FINAL GRADE CONTOURS
  - LOSS PIPES, 10" &
  - LEACHATE CLEANOUT
- EROSION CONTROL LEGEND**
- S41 SILT FENCE (SEE H-15299)
  - D1 DIVERSION (SEE H-15299)
  - D11 TEMPORARY DOWNDRAIN (SEE H-15296)
  - LV LEVEL SPREADER
  - D1.3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - LP14 DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - HP10 DRAINAGE HIGH POINT/NUMBER



- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.
- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

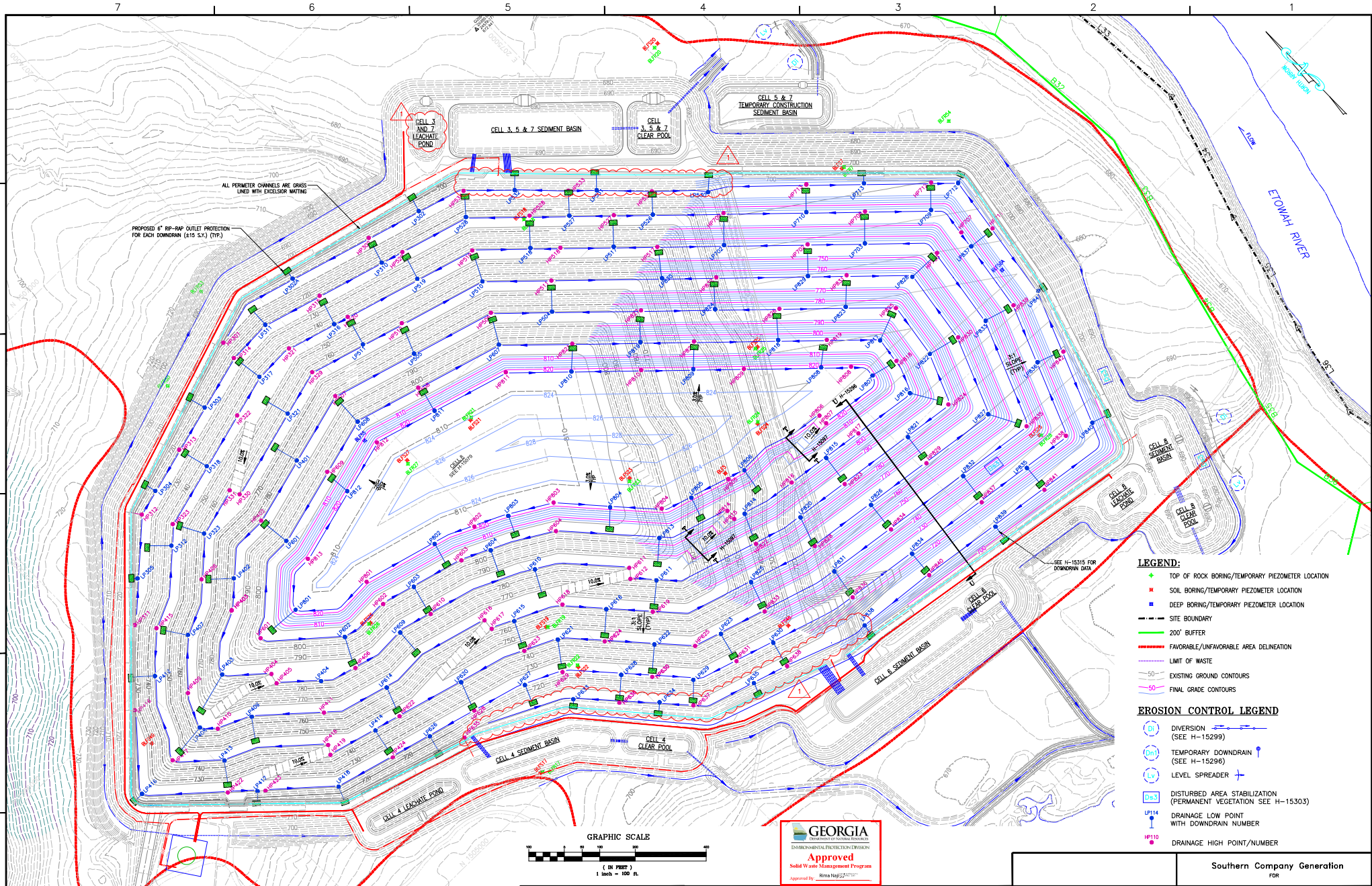
**CELL 8 LEACHATE COLLECTION SYSTEM DATA**

| PIPE NO. | PIPE SIZE    |       |
|----------|--------------|-------|
|          | PERFORATED   | SOLID |
| L1       | 665' @ 2.33% | -     |
| L2       | 492' @ 2.42% | -     |
| L3       | -            | 32'   |
| L4       | -            | 34'   |
| L5       | 853' @ 0.30% | -     |
| L6       | -            | 51'   |
| L7       | 854' @ 1.21% | -     |

| REVISION  | DATE           | REVISION   | DATE           | REVISION                                | DATE              | REVISION | DATE | REVISION | DATE |
|---|----------------|------------|----------------|---|-------------------|----------|------|----------|------|
| REVISION 1  | DATE 1/24/2024 | REVISION 0 | DATE 8/25/2022 | ISSUED FOR MINOR MODIFICATION (BY HHNT) | ISSUED FOR PERMIT |          |      |          |      |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERLOOP LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO COMEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |                |            |                |   |                   |          |      |          |      |
| BY  | CHKD           | APPV       | DATE           | BY                                      | CHKD              | APPV     | DATE | BY       | CHKD |
| ANR   | RBL            |            |                | ANR                                     | RBL               |          |      | ANR      | RBL  |

Southern Company Generation FOR  
**GEORGIA POWER COMPANY**  
 PLANT BOWEN CCR LANDFILL  
 CELL 8 SITE DEVELOPMENT  
 BASE GRADE PLAN

| SCALE   | PROJ. NO. | DRAWING NUMBER | REV.      |
|---------|-----------|----------------|-----------|
| 1"=100' | 10207     | <b>H-15079</b> | 1 FINAL 1 |



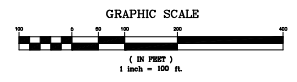
- LEGEND:**
- ◆ TOP OF ROCK BORING/TEMPORARY PIEZOMETER LOCATION
  - SOIL BORING/TEMPORARY PIEZOMETER LOCATION
  - DEEP BORING/TEMPORARY PIEZOMETER LOCATION
  - SITE BOUNDARY
  - 200' BUFFER
  - FAVORABLE/UNFAVORABLE AREA DELINEATION
  - LIMIT OF WASTE
  - 50' EXISTING GROUND CONTOURS
  - 10' FINAL GRADE CONTOURS
- EROSION CONTROL LEGEND**
- ⊙ DIVERSION (SEE H-15299)
  - ⊙ TEMPORARY DOWNDRAIN (SEE H-15299)
  - ⊕ LEVEL SPREADER
  - ⊙ DISTURBED AREA STABILIZATION (PERMANENT VEGETATION SEE H-15303)
  - ⊕ DRAINAGE LOW POINT WITH DOWNDRAIN NUMBER
  - ⊕ DRAINAGE HIGH POINT/NUMBER

**NOTES:**

1. ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.22g.

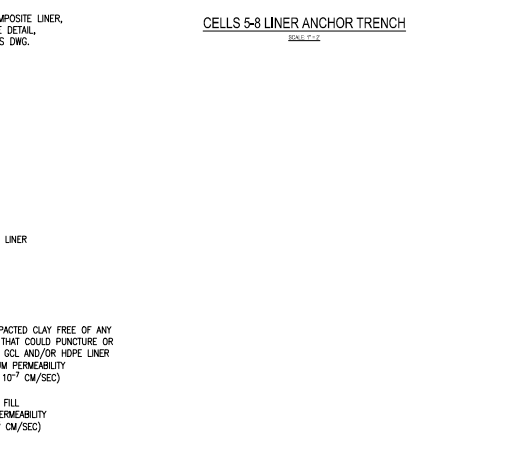
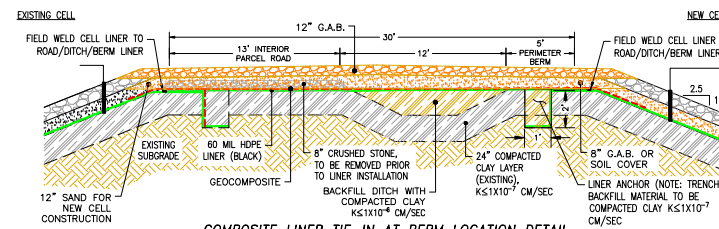
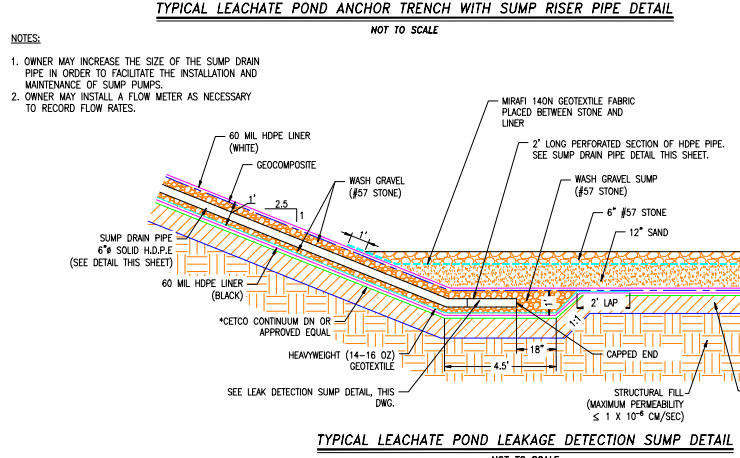
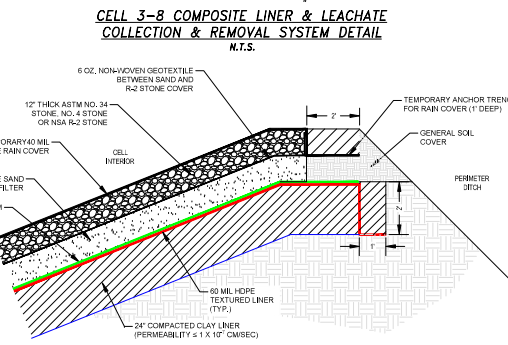
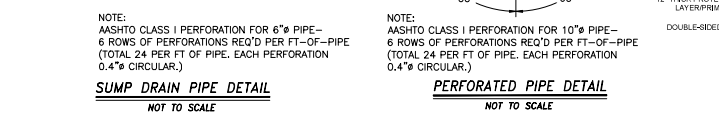
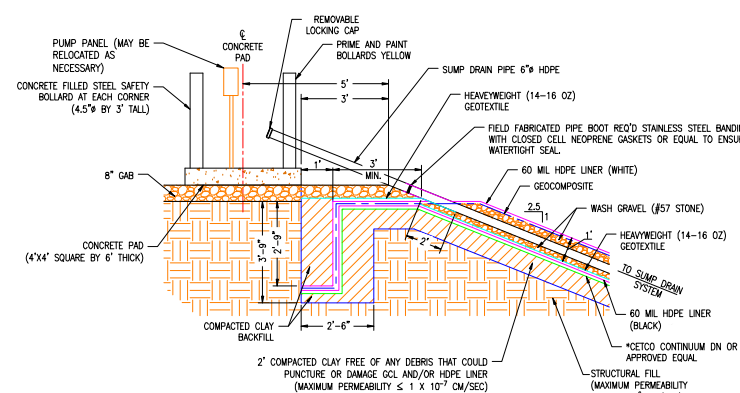
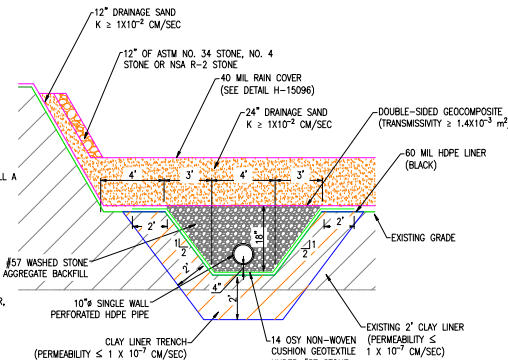
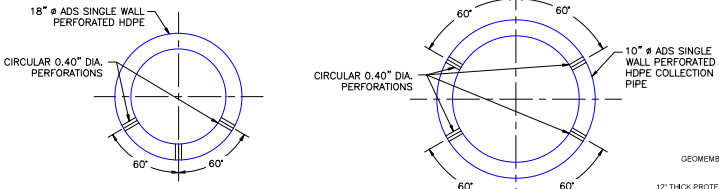
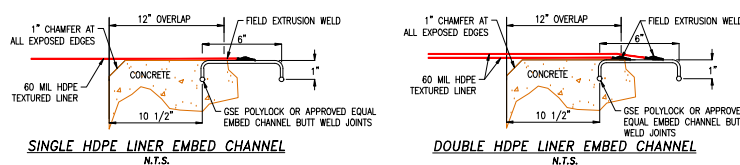
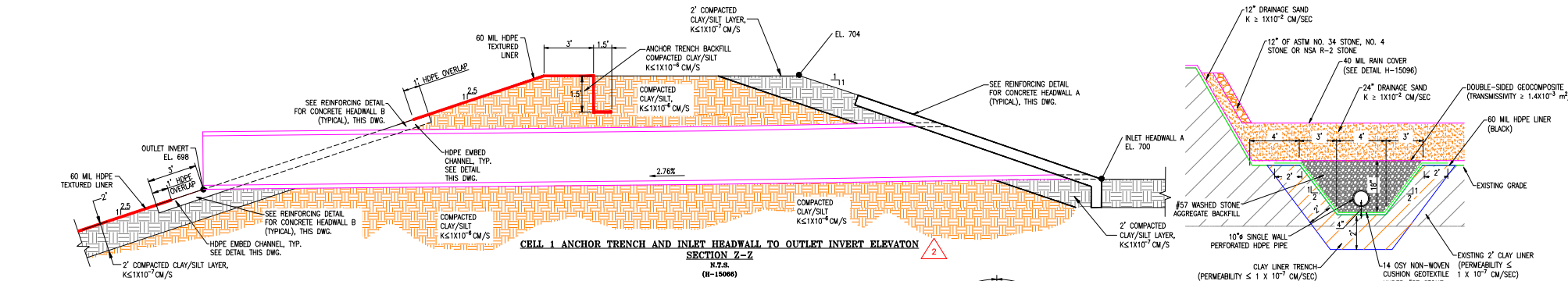
**REFERENCE DRAWINGS:**

1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.
3. SEE SHEET H-15315 FOR DOWNDRAIN DATA.



|   |       |                   |          |            |          |            |       |   |          |                   |      |  |                                 |                |    |        |      |
|---|-------|-------------------|----------|------------|----------|------------|-------|---|----------|-------------------|------|--|---------------------------------|----------------|----|--------|------|
| REVISION  |       | DATE              | REVISION | DATE       | REVISION | 1          | DATE  | 1/24/2024                               | REVISION | 0                 | DATE | 8/25/2022  | Southern Company Generation FOR |                |    |        |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)   |       | ISSUED FOR PERMIT |          | REVISION 0 |          | REVISION 1 |       | ISSUED FOR MINOR MODIFICATION (BY HHNT) |          | ISSUED FOR PERMIT |      | GEORGIA POWER COMPANY  |                                 |                |    |        |      |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLIMP AND PUMP, STORMWATER PIPES TO COMEY WATER TO THE SEDIMENT BASINS, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PIPES TO CELL 5 ACCESS ROAD. |       |                   |          |            |          |            |       |   |          |                   |      | PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>CELL 3, 4, 5, 6, 7 & 8 FINAL STACKING PLAN |                                 |                |    |        |      |
| BY  | CHK'D | DATE              | BY       | CHK'D      | DATE     | BY         | CHK'D | DATE                                    | BY       | CHK'D             | DATE | SCALE  | PROJ. NO.                       | DRAWING NUMBER | IN | CON'TS | REV. |
|   |       |                   |          |            |          | ANR        | RBL   |   | ANR      | RBL               |      | 1"=100'  | 12027                           | H-15080        | 1  | FINAL  | 1    |



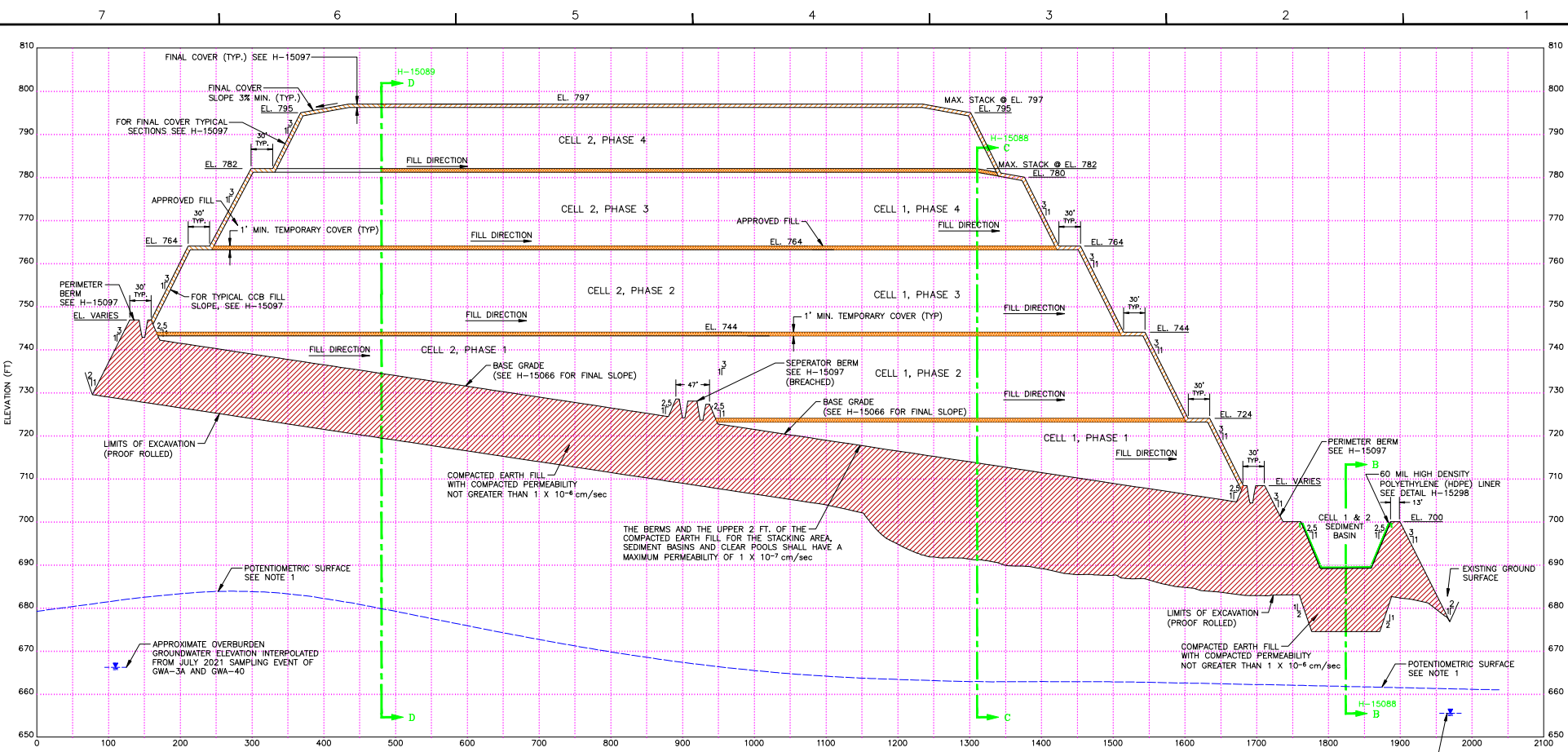


- NOTES:**
- OWNER MAY INCREASE THE SIZE OF THE SUMP DRAIN PIPE IN ORDER TO FACILITATE THE INSTALLATION AND MAINTENANCE OF SUMP PUMPS.
  - OWNER MAY INSTALL A FLOW METER AS NECESSARY TO RECORD FLOW RATES.

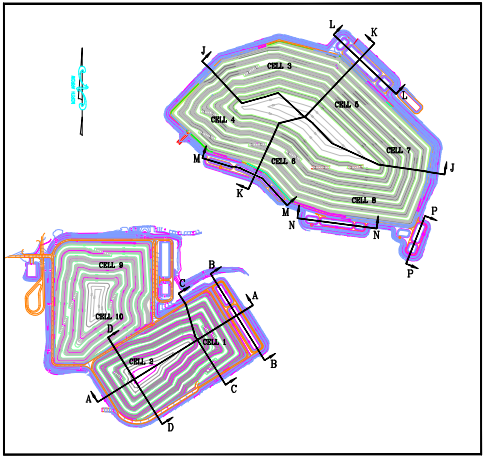


- REFERENCE DRAWINGS:**
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

|   |         |           |                |                   |                |
|---|---------|-----------|----------------|-------------------|----------------|
|   |         | REVISION  | DATE           | REVISION          | DATE           |
|   |         | 0         | 8/25/2022      | ISSUED FOR PERMIT |                |
| Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b><br>PLANT BOWEN<br>CCR LANDFILL<br>MISC. SECTIONS AND DETAILS<br>SHEET 1 OF 2 |         |           |                |                   |                |
| BY  | CHKD    | DATE      | SCALE          | PROJ. NO.         | DRAWING NUMBER |
| ANR   | RBL     |           | 1"=100'        | 12027             | <b>H-15084</b> |
| DATE  | SCALE   | PROJ. NO. | DRAWING NUMBER | REV.              | APP'D.         |
| 8/25/2022   | 1"=100' | 12027     | <b>H-15084</b> | 1                 | FINAL          |



SECTION A-A  
SCALE H: 1"=60' V: 1"=10'



KEY PLAN  
NOT TO SCALE

GEORGIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
ENVIRONMENTAL PROTECTION DIVISION  
**Approved**  
Solid Waste Management Program  
Approved by: Keith Stowers 8/25/2022

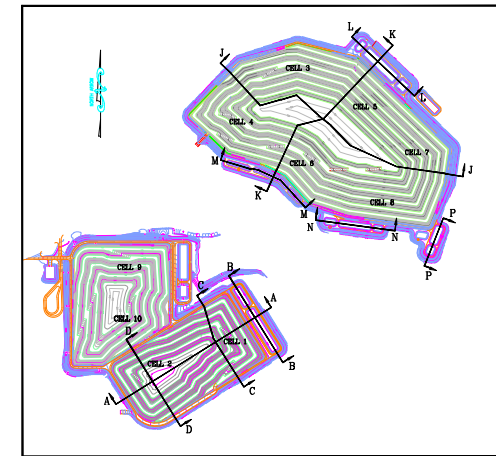
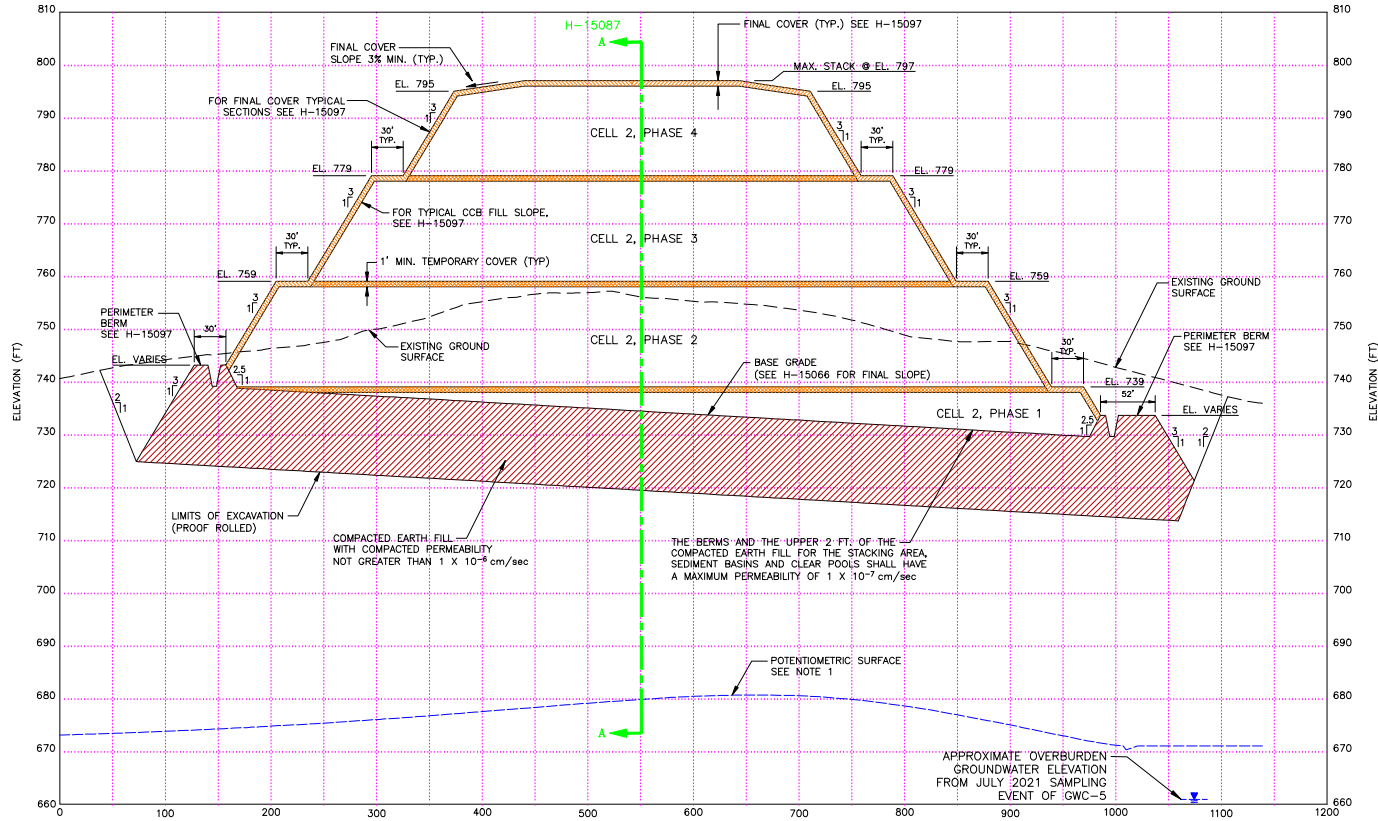


**NOTES:**  
1. THE POTENTIOMETRIC SURFACE WAS TAKEN FROM THE WATER LEVEL ELEVATIONS SHOWN FOR THE DATE OF DECEMBER 18, 2002 IN PELA, INC.'S "TABLE 3-1; GROUNDWATER LEVELS AND TOP OF UNWEATHERED BEDROCK", DATED JANUARY 6, 2004, PROVIDED AS PART OF "ADDENDUM 1, SITE ACCEPTABILITY REPORT, HYDROGEOLOGICAL ASSESSMENT AND DEMONSTRATION OF ENGINEERING MEASURES", DATED JULY 2004.

**REFERENCE DRAWINGS:**  
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.  
2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

|          |       |      |                   |       |  |      |           |   |          |
|----------|-------|------|-------------------|-------|--|------|-----------|---|----------|
| REVISION |       | DATE | REVISION          | DATE  | REVISION                                   | DATE | 8/25/2022 | Southern Company Generation<br>FOR<br>GEORGIA POWER COMPANY |          |
|          |       |      | ISSUED FOR PERMIT |       | PLANT BOWEN<br>CCR LANDFILL<br>SECTION A-A |      |           |   |          |
| BY       | CHK'D | DATE | BY                | CHK'D | DATE                                       | BY   | CHK'D     | DATE  | SCALE    |
| ANR      | RBL   |      |                   |       |  |      |           |   | AS SHOWN |
|          |       |      |                   |       |  |      |           | PROJ. NO.   | 12227    |
|          |       |      |                   |       |  |      |           | DRAWING NUMBER  | H-15087  |
|          |       |      |                   |       |  |      |           | SH.   | 1        |
|          |       |      |                   |       |  |      |           | CON'T.  | 0        |





KEY PLAN  
NOT TO SCALE

**NOTES:**

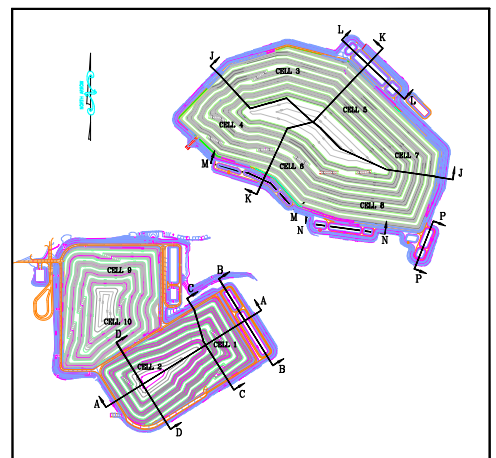
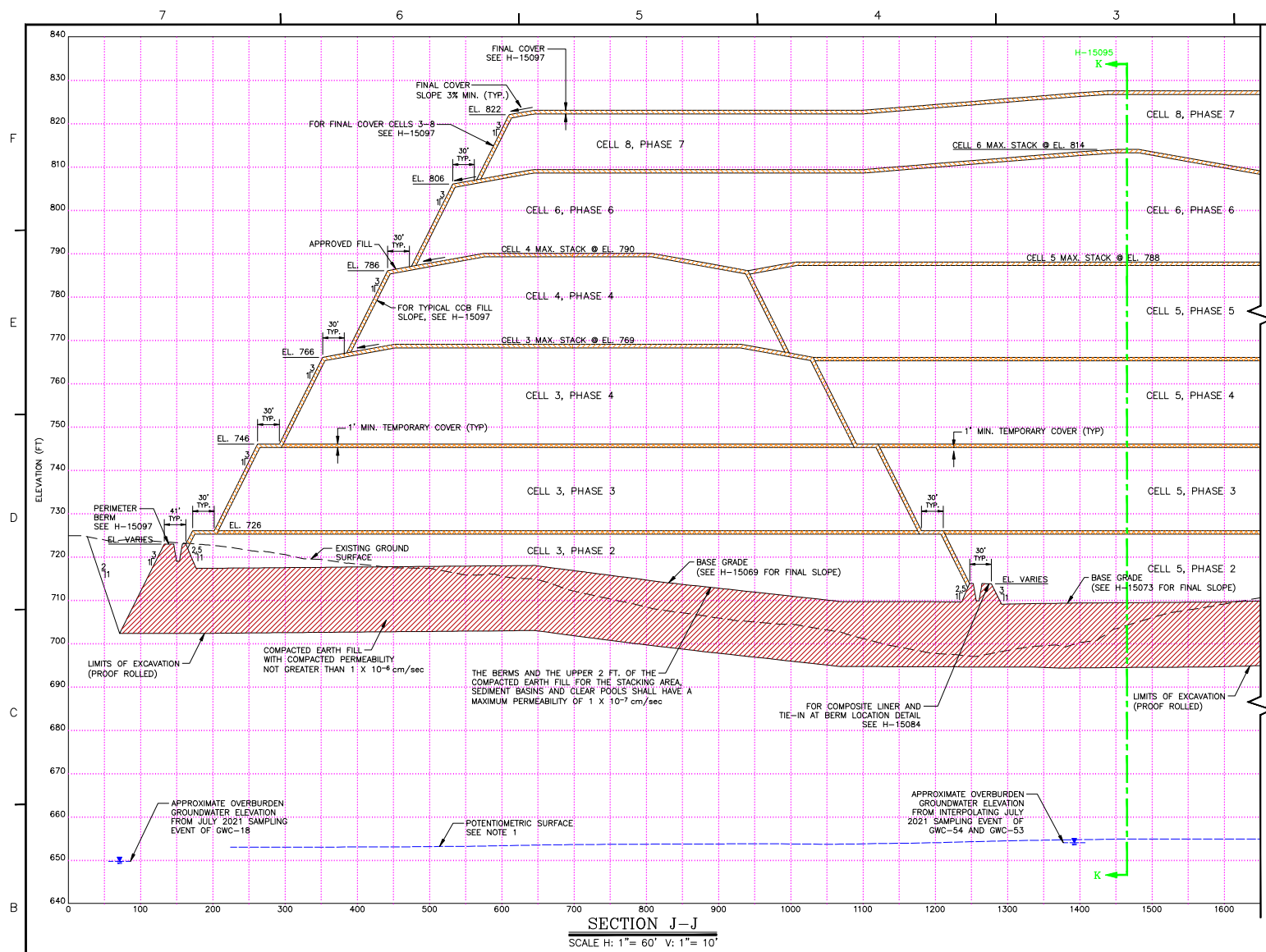
1. THE POTENTIOMETRIC SURFACE WAS TAKEN FROM THE WATER LEVEL ELEVATIONS SHOWN FOR THE DATE OF DECEMBER 18, 2002 IN PELA, INC.'S "TABLE 3-1; GROUNDWATER LEVELS AND TOP OF UNWEATHERED BEDROCK", DATED JANUARY 6, 2004, PROVIDED AS PART OF "ADDENDUM I, SITE ACCEPTABILITY REPORT, HYDROGEOLOGICAL ASSESSMENT AND DEMONSTRATION OF ENGINEERING MEASURES", DATED JULY 2004.

**REFERENCE DRAWINGS:**

1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.



|          |       |      |          |       |      |          |       |           |                   |       |      |  |           |                |     |        |      |
|----------|-------|------|----------|-------|------|----------|-------|-----------|-------------------|-------|------|--|-----------|----------------|-----|--------|------|
| REVISION |       | DATE | REVISION |       | DATE | REVISION |       | DATE      | REVISION          |       | DATE | Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b><br>PLANT BOWEN<br>CCR LANDFILL<br>SECTION D-D |           |                |     |        |      |
|          |       |      |          |       |      | 0        |       | 8/25/2022 | ISSUED FOR PERMIT |       |      |  |           |                |     |        |      |
| BY       | CHK'D | DATE | BY       | CHK'D | DATE | BY       | CHK'D | DATE      | BY                | CHK'D | DATE | SCALE  | PROJ. NO. | DRAWING NUMBER | SH. | CON'T. | REV. |
|          |       |      |          |       |      | ANR      | RBL   |           |                   |       |      | AS SHOWN   | 10227     | <b>H-15089</b> | 1   | FINAL  | 0    |



CONTINUED H-15084

**NOTES:**  
 1. THE POTENTIOMETRIC SURFACE WAS TAKEN FROM THE WATER LEVEL ELEVATIONS SHOWN FOR THE DATE OF DECEMBER 18, 2002 IN PELA, INC.'S "TABLE 3-1; GROUNDWATER LEVELS AND TOP OF UNWEATHERED BEDROCK", DATED JANUARY 6, 2004, PROVIDED AS PART OF "ADDENDUM 1, SITE ACCEPTABILITY REPORT, HYDROGEOLOGICAL ASSESSMENT AND DEMONSTRATION OF ENGINEERING MEASURES", DATED JULY 2004.

**REFERENCE DRAWINGS:**  
 1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.  
 2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

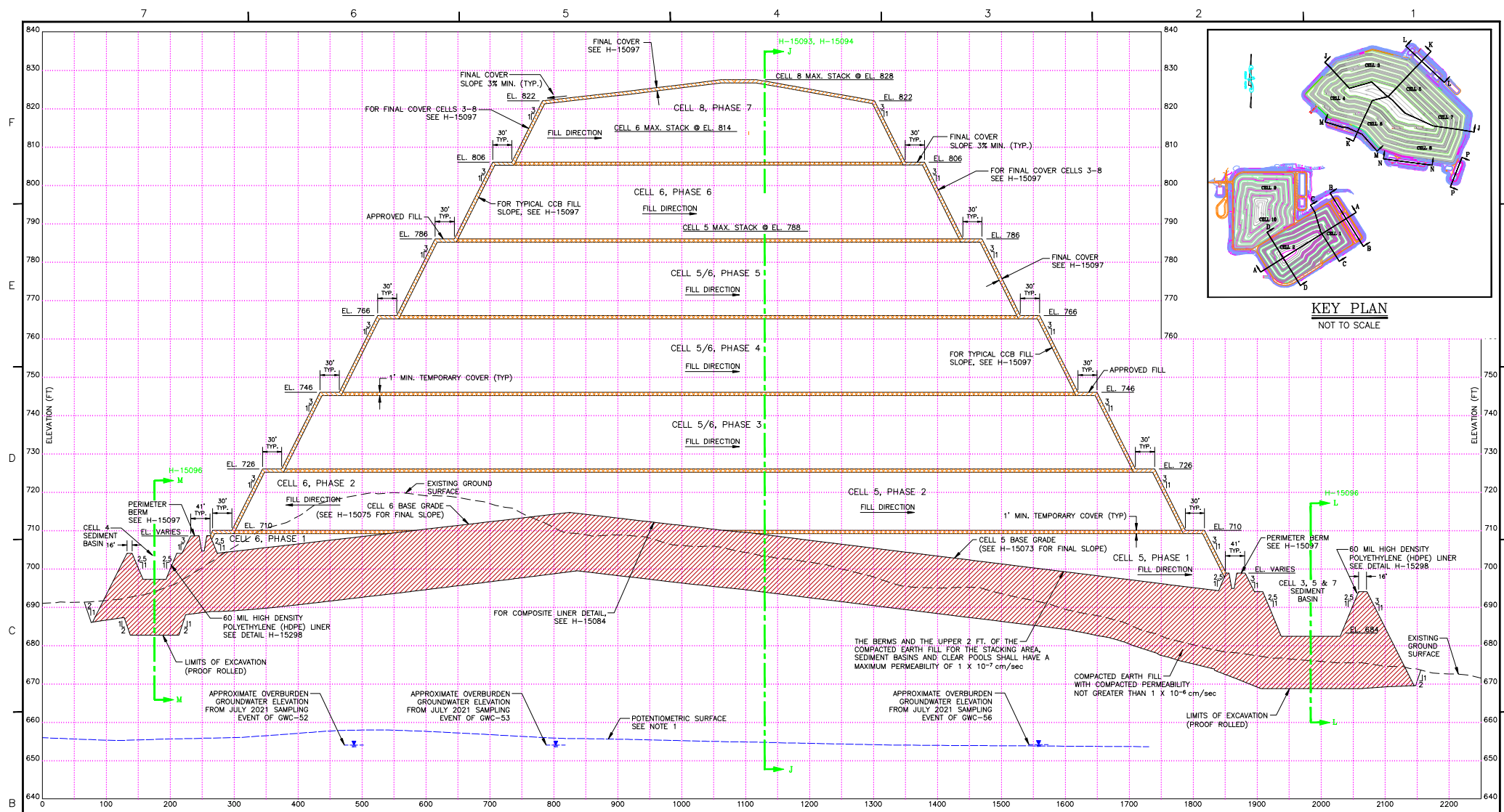
**GEORGIA**  
 ENVIRONMENTAL PROTECTION DIVISION  
 Approved  
 Solid Waste Management Program  
 Approved By: Keith Stephens, Director

**GEORGIA**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 2715  
 FACILITY: PLANT BOWEN  
 DATE: 8/20/22

|          |       |            |              |             |            |          |       |            |                   |             |            |          |       |            |                |             |            |       |          |                |     |        |      |
|----------|-------|------------|--------------|-------------|------------|----------|-------|------------|-------------------|-------------|------------|----------|-------|------------|----------------|-------------|------------|-------|----------|----------------|-----|--------|------|
| REVISION |       | DATE       | REVISION     |             | DATE       | REVISION |       | DATE       | REVISION          |             | DATE       | SCALE    |       | FIG. NO.   | DRAWING NUMBER | SH.         | CON'D.     | REV.  |          |                |     |        |      |
|          |       |            |              |             |            | 0        |       | 8/25/2022  | ISSUED FOR PERMIT |             |            | AS SHOWN |       | 10207      | <b>H-15093</b> | 1           | FINAL      | 0     |          |                |     |        |      |
| BY       | CHK'D | CIV. APPR. | ELECT. APPR. | MECH. APPR. | MSR. APPR. | BY       | CHK'D | CIV. APPR. | ELECT. APPR.      | MECH. APPR. | MSR. APPR. | BY       | CHK'D | CIV. APPR. | ELECT. APPR.   | MECH. APPR. | MSR. APPR. | SCALE | FIG. NO. | DRAWING NUMBER | SH. | CON'D. | REV. |
|          |       |            |              |             |            |          |       |            |                   |             |            |          |       |            |                |             |            |       |          |                |     |        |      |

Southern Company Generation  
 FOR  
**GEORGIA POWER COMPANY**  
 PLANT BOWEN  
 CCR LANDFILL  
 SECTION J-J



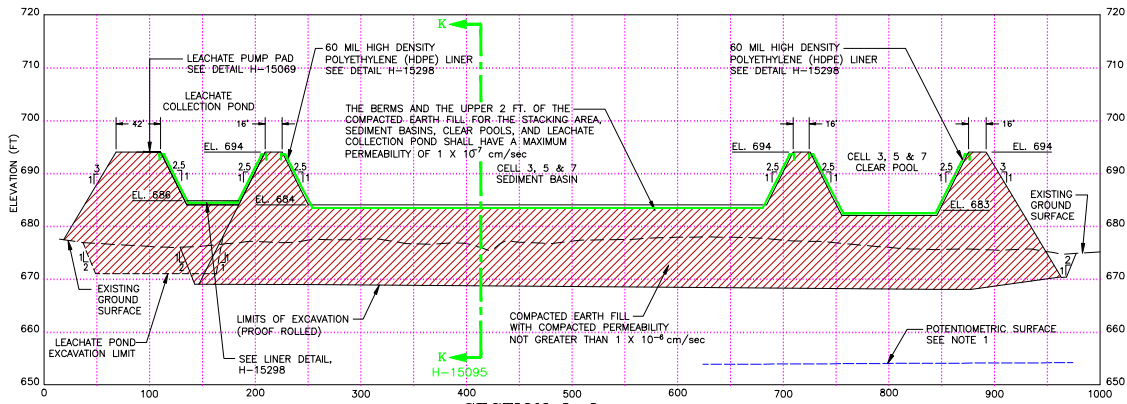


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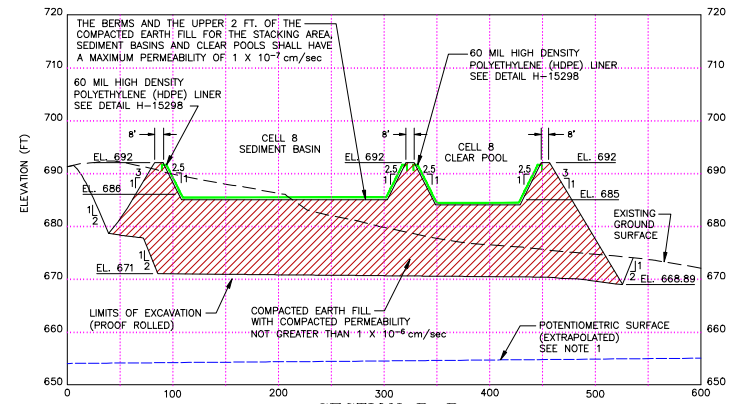


| REVISION | DATE  | REVISION   | DATE         | REVISION  | DATE        | REVISION  | DATE |
|----------|-------|------------|--------------|-----------|-------------|-----------|------|
|          |       |            |              |           |             |           |      |
| BY       | CHK'D | ENL. APPR. | ELECT. APPR. | L/C APPR. | MEDH. APPR. | MSR APPR. |      |
|          |       |            |              |           |             |           |      |

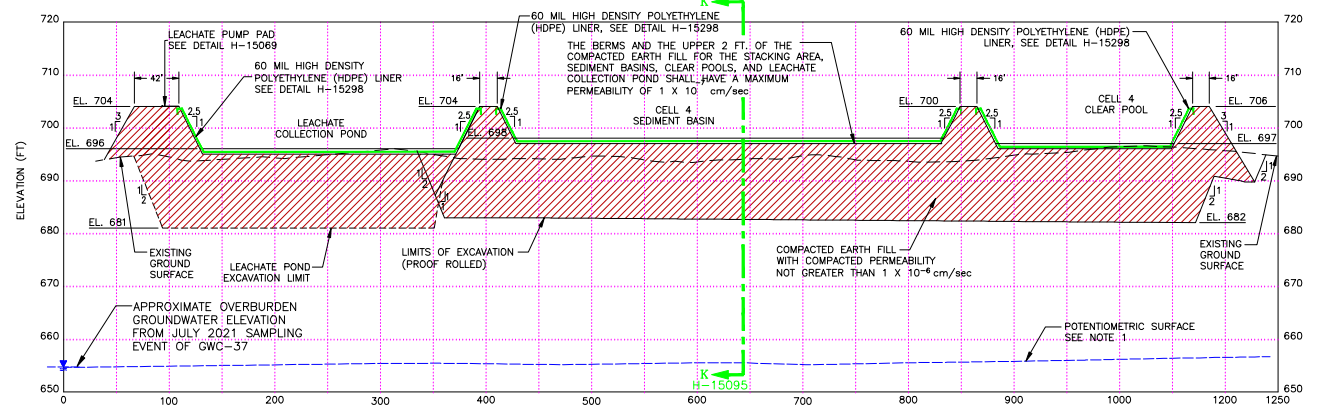
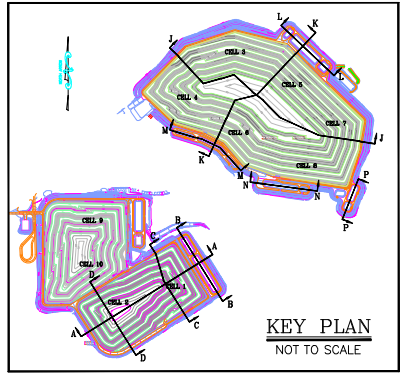
|   |           |                |                  |
|---|-----------|----------------|------------------|
| Southern Company Generation<br>FOR                  |           | 8/25/2022      |                  |
| ISSUED FOR PERMIT                                   |           |                |                  |
| <b>GEORGIA POWER COMPANY</b>                        |           |                |                  |
| <b>PLANT BOWEN<br/>CCR LANDFILL<br/>SECTION K-K</b> |           |                |                  |
| SCALE   | PROJ. NO. | DRAWING NUMBER | SH. CONT'D. REV. |
| NONE  | 12027     | <b>H-15095</b> | 1 FINAL 0        |



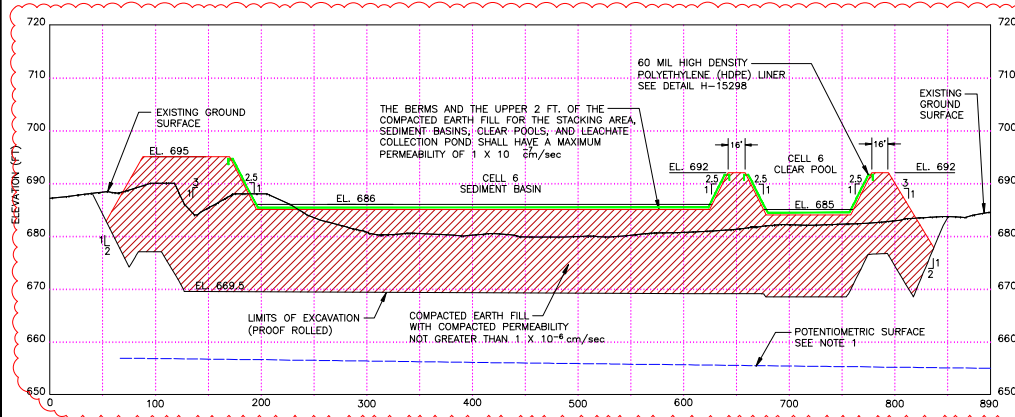
**SECTION L-L**  
SCALE H: 1"=50' V: 1"=10'



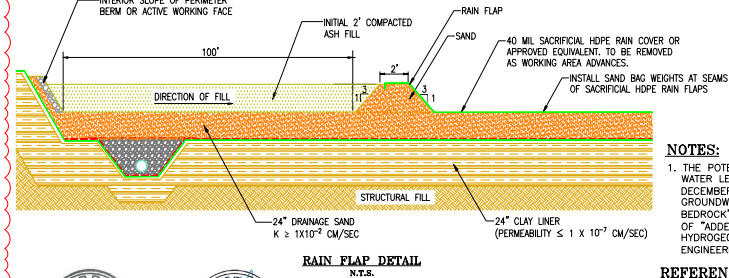
**SECTION P-P**  
SCALE H: 1"=50' V: 1"=10'



**SECTION M-M**  
SCALE H: 1"=50' V: 1"=10'



**SECTION N-N**  
SCALE H: 1"=50' V: 1"=10'



**RAINFAP DETAIL**  
N.T.S.

Professional Engineer Seal: GEORGIA PROFESSIONAL ENGINEER, License No. 16438, Date 1/21/24.



**NOTES:**

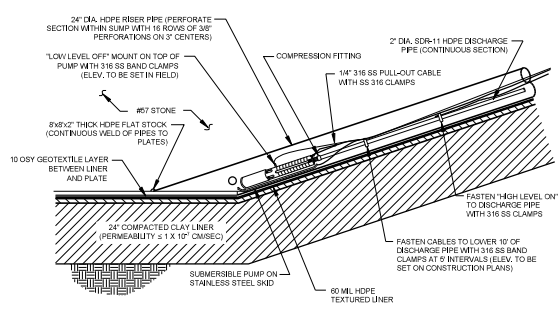
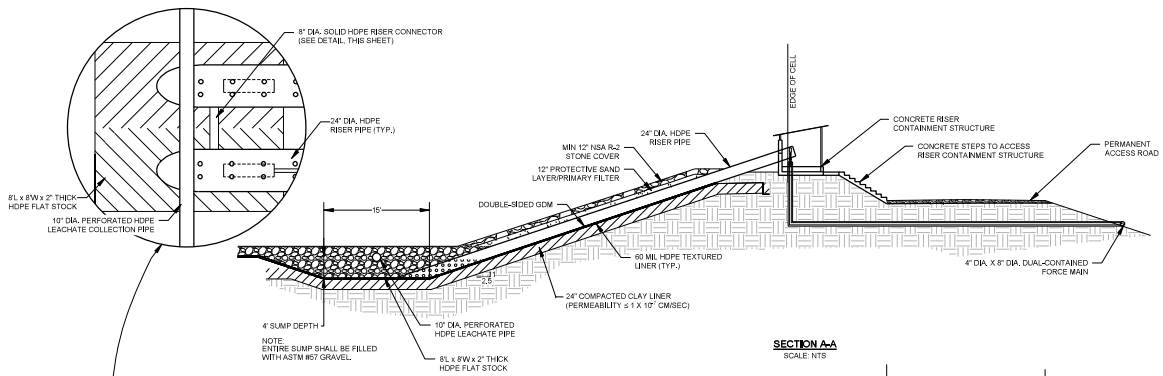
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**REFERENCE DRAWINGS:**

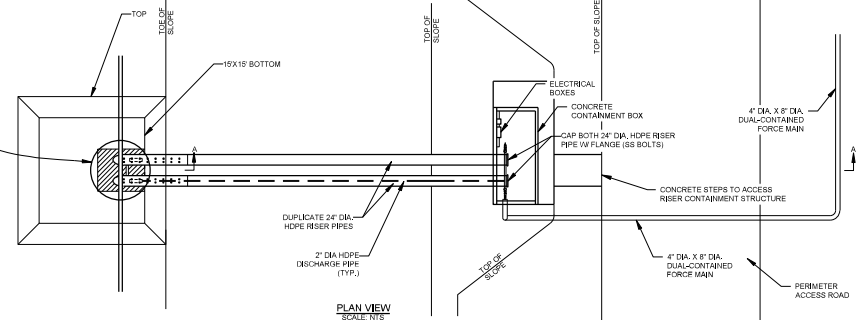
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

| <table border="1"> <tr> <th>REVISION</th> <th>DATE</th> <th>REVISION</th> <th>DATE</th> <th>REVISION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> |           |                   |           |          |      |  |  |  |  |  |  | REVISION | DATE | REVISION | DATE | REVISION | DATE |  |  |  |  |  |  | <table border="1"> <tr> <th>REVISION</th> <th>DATE</th> <th>REVISION</th> <th>DATE</th> <th>REVISION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>1/24/2024</td> <td>0</td> <td>8/25/2022</td> <td> </td> <td> </td> </tr> <tr> <td colspan="2">ISSUED FOR MINOR MODIFICATION (BY HHNT)</td> <td colspan="2">ISSUED FOR PERMIT</td> <td colspan="2"> </td> </tr> <tr> <td colspan="6">                 REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PONDS TO CELL 5 ACCESS ROAD             </td> </tr> <tr> <td>ANR</td> <td>RBL</td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> |  |  |  |  |  | REVISION | DATE | REVISION | DATE | REVISION | DATE | 1 | 1/24/2024 | 0 | 8/25/2022 |  |  | ISSUED FOR MINOR MODIFICATION (BY HHNT) |  | ISSUED FOR PERMIT |  |  |  | REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PONDS TO CELL 5 ACCESS ROAD |  |  |  |  |  | ANR | RBL |  |  |  |  | <table border="1"> <tr> <td colspan="6" style="text-align: center;">Southern Company Generation<br/>FOR<br/><b>GEORGIA POWER COMPANY</b></td> </tr> <tr> <td colspan="6" style="text-align: center;">PLANT BOWEN<br/>CCB DISPOSAL FACILITY<br/>SECTIONS L-L, M-M, N-N &amp; P-P</td> </tr> <tr> <td>SCALE</td> <td>PROJ. NO.</td> <td>DRAWING NUMBER</td> <td>SH.</td> <td>CON'T.</td> <td>REV.</td> </tr> <tr> <td>AS SHOWN</td> <td>12227</td> <td><b>H-15096</b></td> <td>1</td> <td>FINAL</td> <td>1</td> </tr> </table> |  |  |  |  |  | Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b> |  |  |  |  |  | PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>SECTIONS L-L, M-M, N-N & P-P |  |  |  |  |  | SCALE | PROJ. NO. | DRAWING NUMBER | SH. | CON'T. | REV. | AS SHOWN | 12227 | <b>H-15096</b> | 1 | FINAL | 1 |
|---|-----------|-------------------|-----------|----------|------|--|--|--|--|--|--|----------|------|----------|------|----------|------|--|--|--|--|--|--|---|--|--|--|--|--|----------|------|----------|------|----------|------|---|-----------|---|-----------|--|--|---|--|-------------------|--|--|--|--|--|--|--|--|--|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|-----------|----------------|-----|--------|------|----------|-------|----------------|---|-------|---|
| REVISION  | DATE      | REVISION          | DATE      | REVISION | DATE |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
|   |           |                   |           |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| REVISION  | DATE      | REVISION          | DATE      | REVISION | DATE |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| 1   | 1/24/2024 | 0                 | 8/25/2022 |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)   |           | ISSUED FOR PERMIT |           |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INNERCELL LEACHATE SLUMP AND PUMP, STORMWATER PIPES TO CONVEY WATER TO THE SEDIMENT BASIN, AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 PONDS TO CELL 5 ACCESS ROAD                |           |                   |           |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| ANR   | RBL       |                   |           |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b>  |           |                   |           |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>SECTIONS L-L, M-M, N-N & P-P  |           |                   |           |          |      |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| SCALE   | PROJ. NO. | DRAWING NUMBER    | SH.       | CON'T.   | REV. |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |
| AS SHOWN  | 12227     | <b>H-15096</b>    | 1         | FINAL    | 1    |  |  |  |  |  |  |          |      |          |      |          |      |  |  |  |  |  |  |   |  |  |  |  |  |          |      |          |      |          |      |   |           |   |           |  |  |   |  |                   |  |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |           |                |     |        |      |          |       |                |   |       |   |

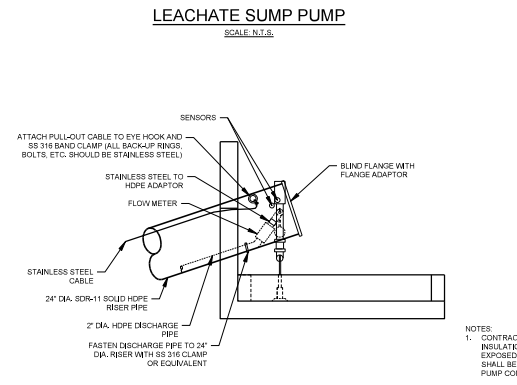




- NOTES:
- TRACE TAPE SHALL BE PLACED IN ALL LEACHATE FORCE MAIN TRENCHES 12\"/>
  - ELECTRIC CONDUIT SHALL BE PLACED IN SAME TRENCH WITH FORCE MAIN.
- PUMP CONTROLS  
SUMP PUMP SYSTEM SHALL BE EQUIPPED WITH A HIGH WATER ALARM THAT WILL ALERT ON-SITE PERSONNEL TO HIGH WATER LEVEL IN SUMP. PUMPS SHALL BE EQUIPPED WITH PRESSURE TRANSDUCERS FOR AUTOMATIC CONTROL.

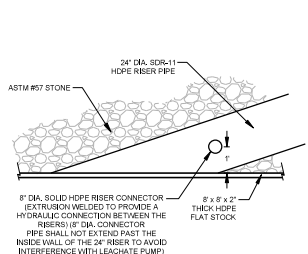


LEACHATE SUMP ASSEMBLY

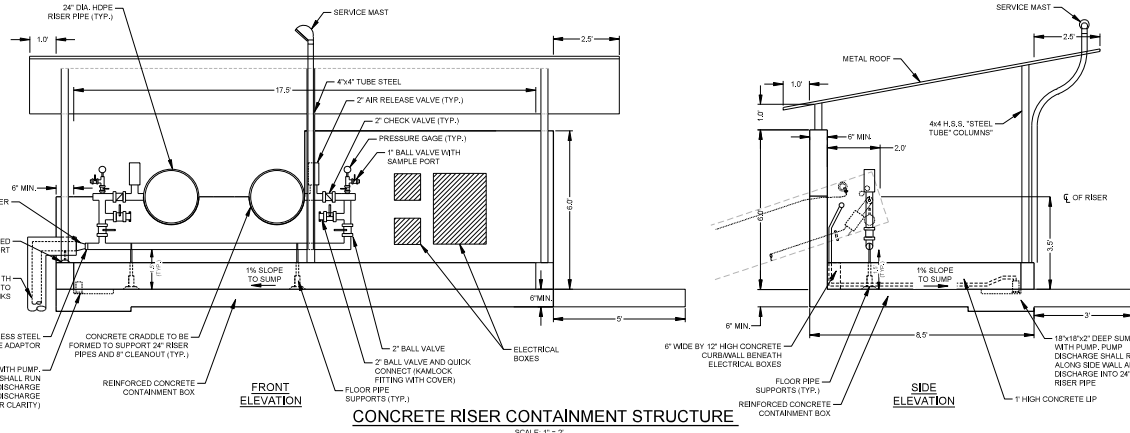


- NOTES:
- CONTRACTOR SHALL PROVIDE INSULATION AND HEAT TRACE ON ALL EXPOSED LEACHATE PIPING. HEAT TRACE SHALL BE WIRED INTO THE LEACHATE PUMP CONTROL PANEL.

FORCE MAIN FITTINGS WITH FREEZE PROTECTION SCALE: 1" = 2"



8\"/>



CONCRETE RISER CONTAINMENT STRUCTURE

- NOTES:
- THE 24\"/>
  - ALL 2\"/>
  - SUPPORT PILE NEAR THE CENTER SHALL BE POSITIONED TO ALLOW UNRESTRICTED ACCESS TO RISERS AND CLEANOUT.
  - ALL FORCE MAIN PIPING SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
  - THE RISER SIDE ENT FITTING FOR CONTAINMENT SUMP DISCHARGE SHALL BE A STAINLESS STEEL FITLESS ADAPTOR WITH EXTENDED THREADED SHANK TO EXTEND THROUGH THE RISER SIDE WALL.
  - 3/4\"/>
  - FRINGE VALVES AND OTHER EQUIPMENT CONFIGURATIONS MAY BE MODIFIED AS NECESSARY BY THE OPERATOR TO MEET THE SPECIFIC NEEDS OF EACH RISER CONTAINMENT STRUCTURE CONFIGURATION.

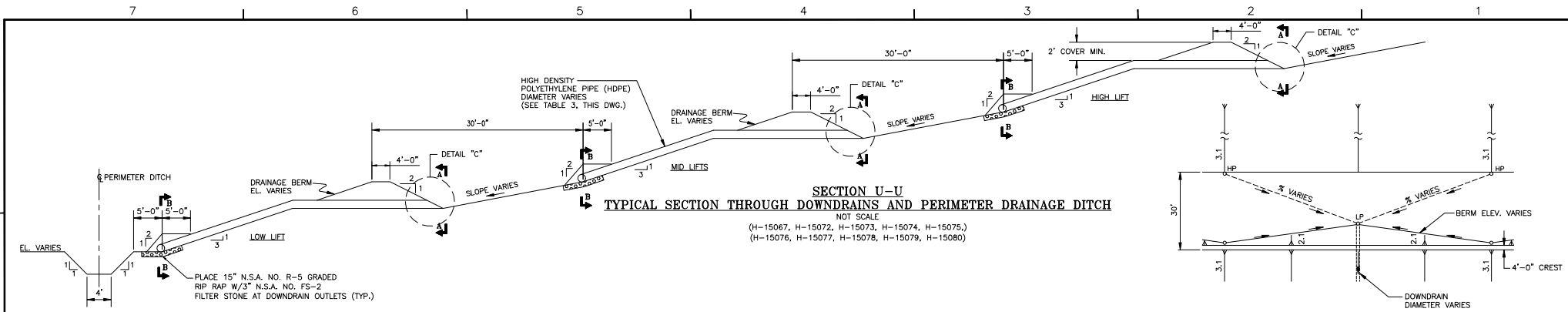


- REFERENCE DRAWINGS:
- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  - SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

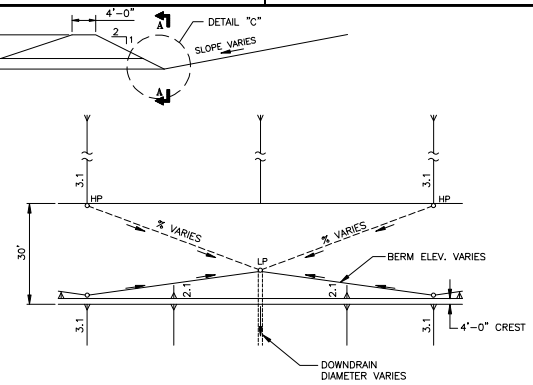
| REVISION  | DATE      | REVISION | DATE  | REVISION | DATE  | REVISION | DATE  |
|---|-----------|----------|-------|----------|-------|----------|-------|
| 0   | 1/24/2024 |          |       |          |       |          |       |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)   |           |          |       |          |       |          |       |
| REVISED CELLS 5 AND 6 TO INCLUDE AN INVERTED LEACHATE SUMP AND PUMP. STORMWATER PIPES TO CONVEY WATER TO THE SCOURING BIRDS AND AN ACCESS ROAD CONNECTING CELLS 3,5,7 POUNDS TO CELL 5 ACCESS ROAD. |           |          |       |          |       |          |       |
| BY  | CHK'D     | DATE     | APP'D | DATE     | APP'D | DATE     | APP'D |
| ANR   | RBL       |          |       |          |       |          |       |

Southern Company Services, Inc.  
FOR  
**GEORGIA POWER COMPANY**  
PLANT BOWEN  
OCP LANDFILL  
LEACHATE SUMP SECTIONS & DETAILS

| SCALE | PROJ. NO. | DRAWING NUMBER | SH. | REV.  | DATE |
|-------|-----------|----------------|-----|-------|------|
| NONE  | 12207     | <b>H-15098</b> | 1   | FINAL | 1    |



**SECTION U-U**  
TYPICAL SECTION THROUGH DOWNDRAINS AND PERIMETER DRAINAGE DITCH  
NOT TO SCALE  
(H-15067, H-15072, H-15073, H-15074, H-15075, H-15076, H-15077, H-15078, H-15079, H-15080)

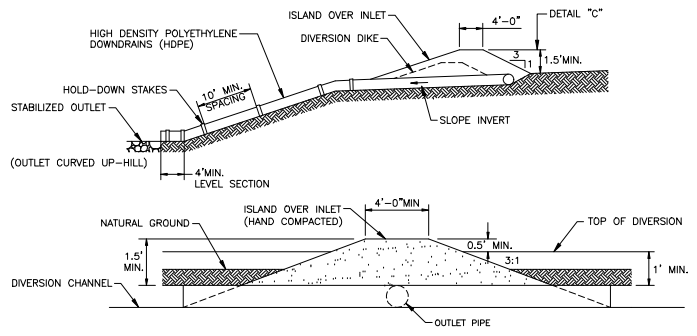


**TYPICAL BERM DRAIN PLAN**  
NOT TO SCALE  
TYPICAL PLAN ALONG 30' BERM

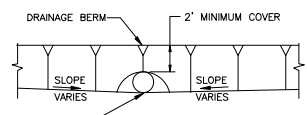
**TABLE 3 - DOWN DRAIN DIAMETERS (IN)**

|         | LIFT 7 | LIFT 6 | LIFT 5 | LIFT 4 | LIFT 3 | LIFT 2 | LIFT 1 |
|---------|--------|--------|--------|--------|--------|--------|--------|
| CELL 1  | N/A    | N/A    | N/A    | 4"     | 8"     | 12"    | 15"    |
| CELL 2  | N/A    | N/A    | N/A    | 4"     | 8"     | 10"    | 15"    |
| CELL 3  | N/A    | N/A    | N/A    | 12"    | 15"    | 12"    | 15"    |
| CELL 4  | N/A    | N/A    | N/A    | 10"    | 8"     | 12"    | 10"    |
| CELL 5  | N/A    | N/A    | N/A    | 12"    | 12"    | 15"    | 15"    |
| CELL 6  | N/A    | 10"    | 12"    | 15"    | 15"    | 15"    | 18"    |
| CELL 7  | N/A    | N/A    | N/A    | 10"    | 15"    | 15"    | 15"    |
| CELL 8  | 6"     | 10"    | 10"    | 12"    | 15"    | 15"    | 15"    |
| CELL 9  | N/A    | N/A    | N/A    | N/A    | 10"    | 12"    | 12"    |
| CELL 10 | N/A    | N/A    | 6"     | 8"     | 10"    | 12"    | 4"     |

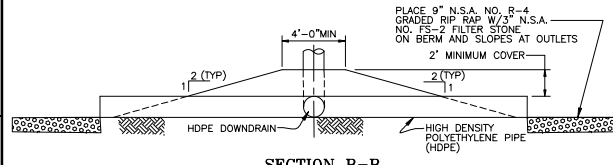
- NOTES:**
- PLACE SLOPE DRAINS ON UNDISTURBED SOIL OR WELL-COMPACTED FILL AT LOCATIONS AND ELEVATIONS SHOWN ON THE PLAN.
  - SLIGHTLY SLOPE THE SECTION OF PIPE UNDER THE DIKE TOWARDS ITS OUTLET.
  - HAND TAMP THE SOIL UNDER AND AROUND THE ENTRANCE SECTION IN LIFTS NOT TO EXCEED 6 INCHES.
  - ENSURE THAT FILL OVER THE DRAIN AT THE TOP OF THE SLOPE HAS MINIMUM DIMENSIONS SHOWN.
  - ENSURE THAT ALL SLOPE DRAIN CONNECTIONS ARE WATER-TIGHT.
  - ENSURE THAT ALL FILL MATERIAL IS WELL COMPACTED. SECURELY FASTEN THE EXPOSED SECTION OF THE DRAIN WITH GROMMETS OR STAKES SPACED NO MORE THAN 10 FEET APART.
  - PLACE THE DRAIN SLIGHTLY DIAGONALLY ACROSS THE SLOPE, EXTENDING THE DRAIN BEYOND THE TOE OF THE SLOPE. CURVE THE OUTLET UPHILL AND ADEQUATELY PROTECT THE OUTLET FROM EROSION.
  - DIRECT ALL FLOWS INTO A SEDIMENT TRAP OR SEDIMENT BASIN.
  - MAKE THE SETTLED, COMPACTED DIKE RIDGE NO LESS THAN ONE FOOT ABOVE THE TOP OF THE PIPE AT EVERY POINT.
  - IMMEDIATELY STABILIZE ALL DISTURBED AREAS FOLLOWING CONSTRUCTION.
  - INSPECT THE SLOPE DRAIN AND SUPPORTING DIVERSION AFTER EVERY RAINFALL AND PROMPTLY MAKE NECESSARY REPAIRS.
  - WHEN THE PROTECTED AREA HAS BEEN PERMANENTLY STABILIZED AND THE PERMANENT STORMWATER DISPOSAL SYSTEM IS FULLY FUNCTIONAL, TEMPORARY MEASURES MAY BE REMOVED, MATERIALS DISPOSED OF PROPERLY, AND ALL DISTURBED AREAS STABILIZED APPROPRIATELY.



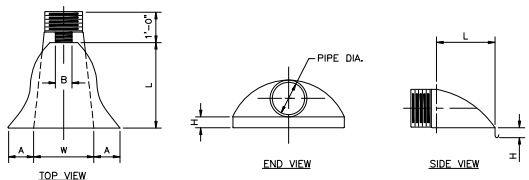
**TEMPORARY DOWNDRAIN AND INLET DETAILS**  
NOT TO SCALE  
(FOR EXCAVATION PHASE)



**SECTION A-A**  
NOT TO SCALE



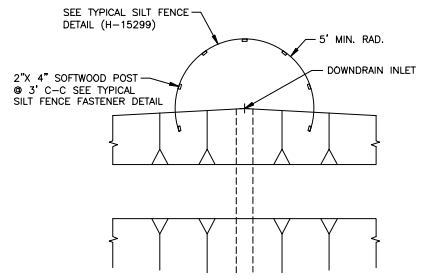
**SECTION B-B**  
NOT TO SCALE



**END SECTION DIMENSIONS**  
NOT TO SCALE

| PIPE DIAMETER | A (±) | B MAX | H (±) | L (1/2±) | W (2±) |
|---------------|-------|-------|-------|----------|--------|
| 12"           | 6.5   | 10    | 6.5   | 25       | 29     |
| 15"           | 6.5   | 10    | 6.5   | 25       | 29     |
| 18"           | 7.5   | 15    | 6.5   | 32       | 35     |
| 24"           | 7.5   | 18    | 6.5   | 36       | 45     |

ALL DIMENSION ARE IN INCHES



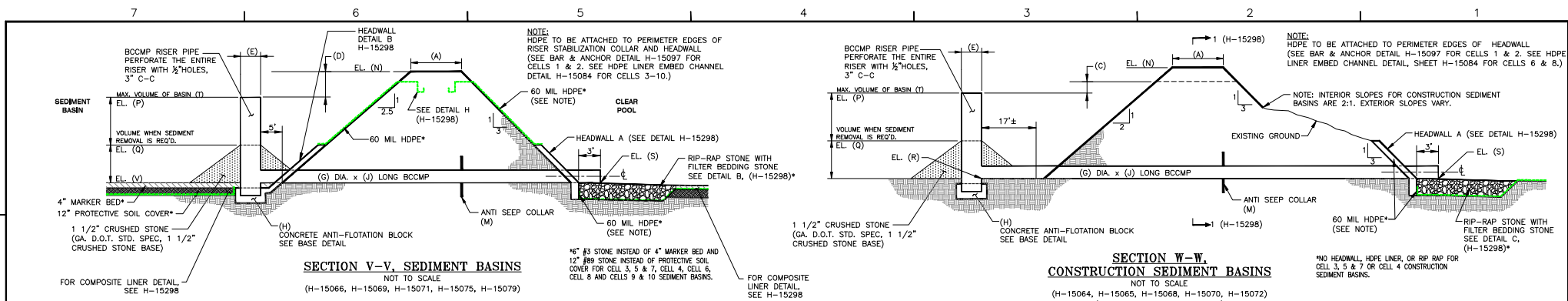
**DETAIL "C" TYPICAL DOWNDRAIN INLET PROTECTION**  
NOT TO SCALE



**REFERENCE DRAWINGS:**

- FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
- SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

|          |      |          |                   |         |           |  |                |         |
|----------|------|----------|-------------------|---------|-----------|--|----------------|---------|
| REVISION |      | DATE     | REVISION          | DATE    | 8/25/2022 | Southern Company Generation FOR  |                |         |
|          |      |          | ISSUED FOR PERMIT |         |           | GEORGIA POWER COMPANY  |                |         |
|          |      |          |                   |         |           | PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>EROSION CONTROL & SEDIMENT DETAILS<br>SHEET 1 OF 6 |                |         |
| BY       | CHKD | DLG APPR | ELECT APPR        | LS APPR | MECH APPR | NSR APPR   | SCALE          |         |
|          |      |          |                   |         |           |  | NONE           |         |
| BY       | CHKD | DLG APPR | ELECT APPR        | LS APPR | MECH APPR | NSR APPR   | SCALE          |         |
| ANR      | RBL  |          |                   |         |           |  | NONE           |         |
|          |      |          |                   |         |           |  | PROJ. NO.      | 12207   |
|          |      |          |                   |         |           |  | DRAWING NUMBER | H-15296 |
|          |      |          |                   |         |           |  | SH.            | 1       |
|          |      |          |                   |         |           |  | CONTS.         | 0       |
|          |      |          |                   |         |           |  | REV.           |         |



**SECTION V-V, SEDIMENT BASINS**  
NOT TO SCALE  
(H-15066, H-15069, H-15071, H-15075, H-15079)

**SECTION W-W, CONSTRUCTION SEDIMENT BASINS**  
NOT TO SCALE  
(H-15064, H-15065, H-15068, H-15070, H-15072)  
(H-15074, H-15078, H-15084)

TABLE 1 - SEDIMENT BASIN DETAILS

|  | CELL 1&2 BASIN          | CELL 3-5-7 BASIN      | CELL 4 BASIN          | CELL 6 BASIN          | CELL 8 BASIN          | CELL 9&10 BASIN       |
|--|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Top Width of Berm  | A 13'                   | 16'                   | 16'                   | 13'                   | 13'                   | 16'                   |
| Emergency Spillway Flow Depth                                      | B 4'                    | 3.5'                  | 2'                    | 1.5'                  | 1.5'                  | 2.5'                  |
| Storage Level - Difference Between Riser and Emer. Spillway        | C 5.5'                  | 1.5'                  | 1.5'                  | 1.5'                  | 1.5'                  | 2.5'                  |
| Freeboard  | D 2.12'                 | 1.77'                 | 0.97'                 | 1.10'                 | 1.47'                 | 2.05'                 |
| Riser Diameter   | E 2'-7 1/2"             | 2'-48"                | 2'-48"                | 36"                   | 36"                   | 2'-54"                |
| Riser Length (Includes 9" into antifloatation block)               | F 9'-11"                | 5'-0"                 | 3'-0"                 | 5'-11"                | 5'-11"                | 8'-3"                 |
| Principal Spillway Pipe Diameter                                   | G 2'-48"                | 2'-30"                | 2'-30"                | 6'-24"                | 5'-24"                | 2'-36"                |
| Concrete Antifloatation Block                                      | H 252' x 96' x 30"      | 73' x 73' x 18"       | 65' x 65' x 18"       | 288' x 72' x 18"      | 240' x 72' x 18"      | 85' x 65' x 18"       |
| Length of Riser Anchoring Bars (rebar)                             | I 246/90'               | 67/67'                | 51/51'                | 282/66'               | 234/66'               | 79/79'                |
| Length of Principal Spillway Pipe                                  | J 14'                   | 68'                   | 49'                   | 49'                   | 49'                   | 66'                   |
| Emergency Spillway Bottom Width                                    | K 8'                    | 20'                   | 18'                   | 8'                    | 8'                    | 24'                   |
| Emergency Spillway Top Width                                       | L 8'                    | 20'                   | 18'                   | 8'                    | 8'                    | 24'                   |
| Antiseep Collar  | M 84' x 84' x 18' x 18' | 18' x 18' x 18' x 18' | 18' x 18' x 18' x 18' | 60' x 60' x 60' x 60' | 60' x 60' x 60' x 60' | 18' x 18' x 18' x 18' |
| Elevation of Top of Berm, ft msl                                   | N 700.0 ft msl          | 694.0 ft msl          | 704.0 ft msl          | 692.0 ft msl          | 692.0 ft msl          | 706.0 ft msl          |
| Elevation of Emergency Spillway Crest, ft msl                      | O 696.0 ft msl          | 690.50 ft msl         | 702.00 ft msl         | 689.50 ft msl         | 689.50 ft msl         | 703.50 ft msl         |
| Elevation of Top of Riser, ft msl                                  | P 691.98 ft msl         | 690.05 ft msl         | 702.70 ft msl         | 690.00 ft msl         | 690.00 ft msl         | 703.9 ft msl          |
| Elevation of Clean Out, ft msl                                     | Q 693.0 ft msl          | 685.0 ft msl          | 698.0 ft msl          | 697.0 ft msl          | 697.0 ft msl          | 697.0 ft msl          |
| Elevation of Principal Spillway at Inlet, ft msl (Bottom Pond El.) | R 690.08 ft msl         | 684.10 ft msl         | 698.50 ft msl         | 686.0 ft msl          | 686.0 ft msl          | 696.0 ft msl          |
| Elevation of Principal Spillway at Outlet, ft msl                  | S 673.79 ft msl         | 680.0 ft msl          | 697.00 ft msl         | 685.0 ft msl          | 685.0 ft msl          | 695.9 ft msl          |
| Maximum Volume of Basin, cubic feet                                | T 410,799               | 344,942               | 91,845                | 99,168                | 73,964                | 201,542               |
| Clean Out Volume, cubic feet                                       | U 136,933               | 45,340                | 34,751                | 33,056                | 24,655                | 65,183                |

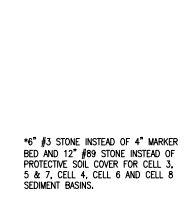
TABLE 2 - CLEAR POOL DETAILS

|  | CELL 1&2 POOL           | CELL 3-5-7 POOL       | CELL 4 POOL           | CELL 6 POOL           | CELL 8 POOL           | CELL 9&10 POOL        |
|--|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Top Width of Berm  | A 13'                   | 16'                   | 16'                   | 13'                   | 13'                   | 16'                   |
| Emergency Spillway Flow Depth                                      | B 4'                    | 3.5'                  | 2'                    | 1.5'                  | 1.5'                  | 2.5'                  |
| Storage Level - Difference Between Riser and Emer. Spillway        | C 5.5'                  | 1.5'                  | 1.5'                  | 1.5'                  | 1.5'                  | 2.5'                  |
| Freeboard  | D 2.12'                 | 1.77'                 | 0.97'                 | 1.10'                 | 1.47'                 | 2.05'                 |
| Riser Diameter   | E 2'-7 1/2"             | 2'-48"                | 2'-48"                | 36"                   | 36"                   | 2'-54"                |
| Riser Length (Includes 9" into antifloatation block)               | F 9'-11"                | 5'-0"                 | 3'-0"                 | 5'-11"                | 5'-11"                | 8'-3"                 |
| Principal Spillway Pipe Diameter                                   | G 2'-48"                | 2'-30"                | 2'-30"                | 6'-24"                | 5'-24"                | 2'-36"                |
| Concrete Antifloatation Block                                      | H 252' x 96' x 30"      | 73' x 73' x 18"       | 65' x 65' x 18"       | 288' x 72' x 18"      | 240' x 72' x 18"      | 85' x 65' x 18"       |
| Length of Riser Anchoring Bars (rebar)                             | I 246/90'               | 67/67'                | 51/51'                | 282/66'               | 234/66'               | 79/79'                |
| Length of Principal Spillway Pipe                                  | J 14'                   | 68'                   | 49'                   | 49'                   | 49'                   | 66'                   |
| Emergency Spillway Bottom Width                                    | K 8'                    | 20'                   | 18'                   | 8'                    | 8'                    | 24'                   |
| Emergency Spillway Top Width                                       | L 8'                    | 20'                   | 18'                   | 8'                    | 8'                    | 24'                   |
| Antiseep Collar  | M 84' x 84' x 18' x 18' | 18' x 18' x 18' x 18' | 18' x 18' x 18' x 18' | 60' x 60' x 60' x 60' | 60' x 60' x 60' x 60' | 18' x 18' x 18' x 18' |
| Elevation of Top of Berm, ft msl                                   | N 700.0 ft msl          | 694.0 ft msl          | 704.0 ft msl          | 692.0 ft msl          | 692.0 ft msl          | 706.0 ft msl          |
| Elevation of Emergency Spillway Crest, ft msl                      | O 696.0 ft msl          | 690.50 ft msl         | 702.00 ft msl         | 689.50 ft msl         | 689.50 ft msl         | 703.50 ft msl         |
| Elevation of Top of Riser, ft msl                                  | P 691.98 ft msl         | 690.05 ft msl         | 702.70 ft msl         | 690.00 ft msl         | 690.00 ft msl         | 703.9 ft msl          |
| Elevation of Clean Out, ft msl                                     | Q 693.0 ft msl          | 685.0 ft msl          | 698.0 ft msl          | 697.0 ft msl          | 697.0 ft msl          | 697.0 ft msl          |
| Elevation of Principal Spillway at Inlet, ft msl (Bottom Pond El.) | R 690.08 ft msl         | 684.10 ft msl         | 698.50 ft msl         | 686.0 ft msl          | 686.0 ft msl          | 696.0 ft msl          |
| Elevation of Principal Spillway at Outlet, ft msl                  | S 673.79 ft msl         | 680.0 ft msl          | 697.00 ft msl         | 685.0 ft msl          | 685.0 ft msl          | 695.9 ft msl          |
| Clean Out Volume, cubic feet                                       | T 410,799               | 344,942               | 91,845                | 99,168                | 73,964                | 201,542               |
| Clean Out Volume, cubic feet                                       | U 136,933               | 45,340                | 34,751                | 33,056                | 24,655                | 65,183                |

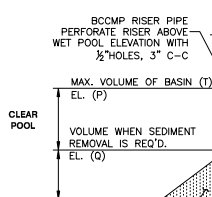
TABLE 3 - CONSTRUCTION SEDIMENT BASIN DETAILS

|  | CELL 5&7 CONSTR. BASIN | CELL 6 CONSTR. BASIN | CELL 8 CONSTR. BASIN |
|--|------------------------|----------------------|----------------------|
| Top Width of Berm  | A 8'                   | 8'                   | 8'                   |
| Emergency Spillway Flow Depth                                      | B 1'                   | 1'                   | 1'                   |
| Storage Level - Difference Between Riser and Emer. Spillway        | C 1.5'                 | 1.5'                 | 1'                   |
| Freeboard  | D 1.5'                 | 1.5'                 | 1'                   |
| Riser Diameter   | E 54"                  | 36"                  | 36"                  |
| Riser Length (Includes 9" into antifloatation block)               | F 5'-7"                | 5'-7"                | 6'-1"                |
| Principal Spillway Pipe Diameter                                   | G 2'-48"               | 2'-48"               | 2'-48"               |
| Concrete Antifloatation Block                                      | H 80'x80'x18"          | 96'x60'x18"          | 96'x66'x18"          |
| Length of Riser Anchoring Bars (rebar)                             | I 74'/74'              | 90'/54'              | 90'/60'              |
| Length of Principal Spillway Pipe                                  | J 62'                  | 102'                 | 103'                 |
| Emergency Spillway Bottom Width                                    | K 8'                   | 8'                   | 8'                   |
| Emergency Spillway Top Width                                       | L 20'                  | 20'                  | 20'                  |
| Antiseep Collar  | M 72'x72'              | 60'x60'              | 60'x60'              |
| Elevation of Top of Berm, ft msl                                   | N 680.0 ft msl         | 680.0 ft msl         | 678.0 ft msl         |
| Elevation of Emergency Spillway Crest, ft msl                      | O 678.0 ft msl         | 678.0 ft msl         | 678.0 ft msl         |
| Elevation of Top of Riser, ft msl                                  | P 676.5 ft msl         | 674.5 ft msl         | 675.0 ft msl         |
| Elevation of Clean Out, ft msl                                     | Q 676.5 ft msl         | 671.5 ft msl         | 671.5 ft msl         |
| Elevation of Principal Spillway at Inlet, ft msl (Bottom Pond El.) | R 672.0 ft msl         | 670.0 ft msl         | 670.0 ft msl         |
| Elevation of Principal Spillway at Outlet, ft msl                  | S 671.5 ft msl         | 669.5 ft msl         | 668.9 ft msl         |
| Maximum Volume of Basin, cubic feet                                | T 309,526              | 252,274              | 231,501              |
| Clean Out Volume, cubic feet                                       | U 103,173              | 84,081               | 77,167               |

NOTE: INFORMATION FOR CELLS 1&2, CELL 3, CELL 4, AND CELLS 9&10 ARE NOT PROVIDED SINCE THESE BASINS HAVE BEEN CONVERTED TO PERMANENT PONDS.



**CONCRETE RISER BASE DETAIL**  
NOT TO SCALE



**STABILIZATION COLLAR**  
NOT TO SCALE

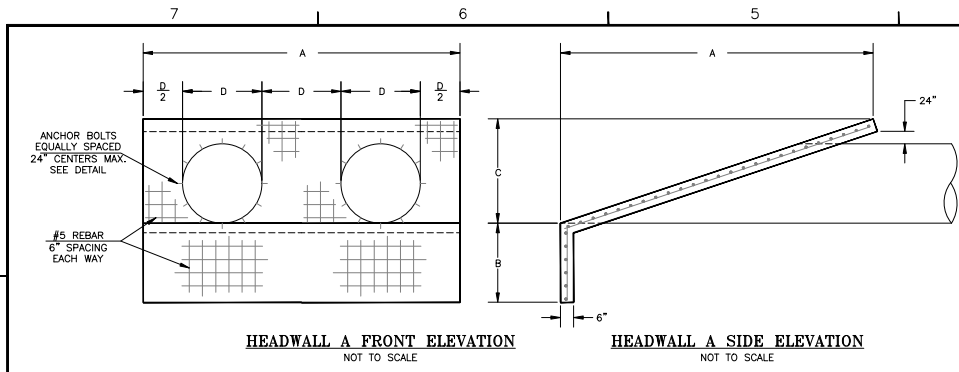
- GENERAL NOTES:**
1. THE AREA TO RECEIVE THE PIPE SHALL BE HAND COMPACTED AND ANY SOFT OR UNSUITABLE MATERIAL REMOVED, THE AREA BACKFILLED, AND COMPACTED.
  2. THE PIPE AND RISER SHALL BE PLACED ON FIRM, SMOOTH FOUNDATION.
  3. THE BACKFILL MATERIAL SHALL BE CLEAN SOIL, FREE OF ROOTS, VEGETATION, OVERSIZED ROCKS, STONES OR OTHER OBJECTIONABLE MATERIAL.
  4. AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO FILL PLACEMENT.
  5. FILL MATERIAL SHALL BE CONDITIONED, PLACED AND COMPACTED IN ACCORDANCE WITH THE CONSTRUCTION QUALITY CONTROL/QUALITY ASSURANCE PLAN.
  6. THE RISER SHALL BE SECURELY ATTACHED TO THE PIPE OR STUB BY WELDING THE FULL CIRCUMFERENCE MAKING A WATER TIGHT STRUCTURAL CONNECTION.
  7. THE CONNECTION BETWEEN THE RISER AND THE RISER BASE SHALL BE WATER TIGHT.
  8. ALL CONNECTIONS BETWEEN PIPE SECTIONS SHALL BE WATER TIGHT, ACHIEVED BY APPROVED WATER TIGHT BAND ASSEMBLIES.
  9. THE FILL MATERIAL AROUND THE PIPE SHALL BE PLACED IN 4 INCH LAYERS AND HAND COMPACTED UNDER AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT FILL MATERIAL.
  10. CARE MUST BE TAKEN TO NOT RAISE THE PIPE FROM FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES.
  11. A MINIMUM DEPTH OF 2 FT. OF HAND COMPACTED FILL SHALL BE PLACED OVER THE PIPE AFTER PLACING AND COMPACTING FILL WITH CONSTRUCTION EQUIPMENT.
  12. ALL DISTURBED SOIL AREAS SHALL BE GRESSED UPON REACHING FINAL GRADE IN ACCORDANCE WITH THE GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL.

**REFERENCE DRAWINGS**

1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
2. SEE DRAWING H-15063 FOR GENERAL NOTES AND REFERENCES.
3. SEE DRAWING H-15298 FOR OUTLET PROTECTION.
4. SEE DRAWING H-15301 FOR EMERGENCY SPILLWAY EROSION PROTECTION RECYLEX DETAILS.

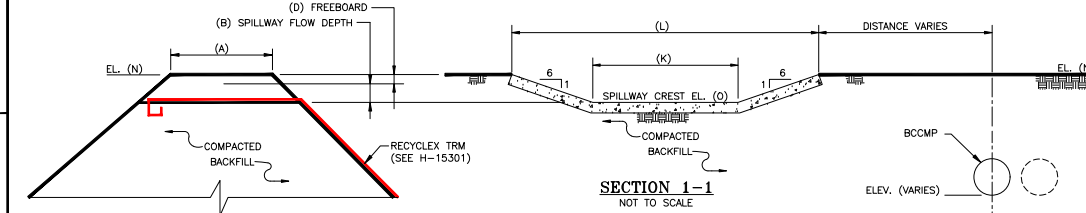
| REVISION | DATE | REVISION | DATE | REVISION | DATE | REVISION | DATE |
|----------|------|----------|------|----------|------|----------|------|
| BY: OWS  | 04L  | APP      | 04L  | APP      | 04L  | APP      | 04L  |
| BY: ANR  | RBL  |          |      |          |      |          |      |

|                   |                 |   |              |
|-------------------|-----------------|---|--------------|
| ISSUED FOR PERMIT | DATE: 8/25/2022 | Southern Company Generation FOR                                   |              |
|                   |                 | GEORGIA POWER COMPANY   |              |
|                   |                 | PLANT BOWEN<br>EROSION CONTROL & SEDIMENT DETAILS<br>SHEET 2 OF 6 |              |
| SCALE: NONE       | PROJ. NO: 12027 | DRAWING NUMBER: H-15297   | REV: 1 FINAL |



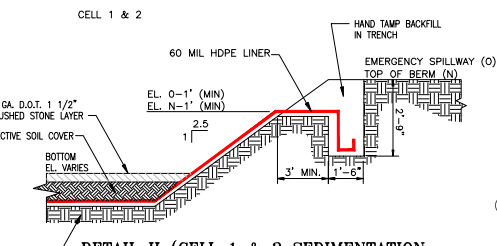
**HEADWALL A FRONT ELEVATION**  
NOT TO SCALE

**HEADWALL A SIDE ELEVATION**  
NOT TO SCALE

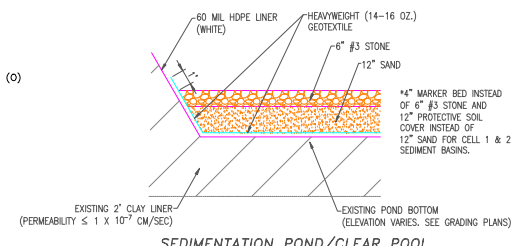


**SECTION 1-1**  
NOT TO SCALE

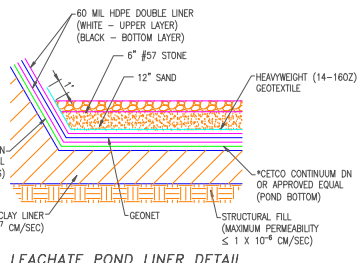
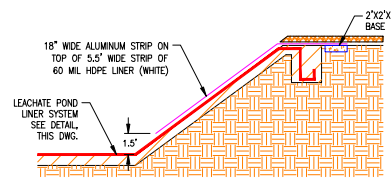
NOTE:  
1. SEE H-15297, TABLE 2 & 3 FOR DIMENSIONS.  
2. VEGETATED SPILLWAY FOR CELLS 1 & 2 WITH 3:1 SIDE SLOPES.



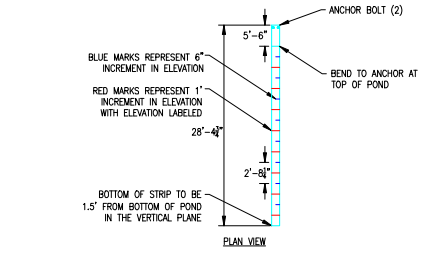
**DETAIL H (CELL 1 & 2 SEDIMENTATION POND & CLEAR POOL LINER)**  
NOT TO SCALE  
(H-15087, H-15088, H-15095, H-15096)



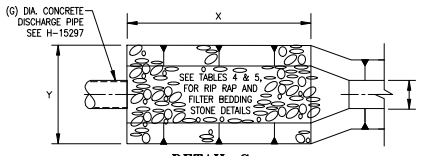
**SEDIMENTATION POND/CLEAR POOL LINER DETAIL CELLS 3-8**  
NOT TO SCALE



**LEACHATE POND LINER DETAIL**  
NOT TO SCALE

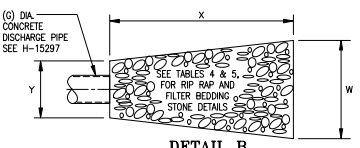


**WATER LEVEL MARKER POST DETAIL**  
NOT TO SCALE



**DETAIL C**  
NOT TO SCALE  
(H-15297)

NOTE: NUMBER OF SPILLWAY PIPES VARIES



**DETAIL B**  
NOT TO SCALE  
(H-15297)

NOTE: NUMBER OF SPILLWAY PIPES VARIES

**TABLE 4 - SEDIMENT BASIN AND CLEAR POOL RIPRAP DETAILS**

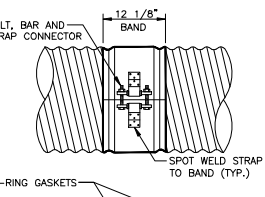
| LOCATION                            | # | PIPES | Y  | X  | W   | THICKNESS    | RIP RAP        | FILTER BEDDING STONE |
|-------------------------------------|---|-------|----|----|-----|--------------|----------------|----------------------|
| CELL 1 & 2 POND                     | 2 | 20    | 26 | 34 | 18" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 3-5-7 POND                     | 2 | NA    | NA | NA | NA  | NA           | NA             |                      |
| CELL 4 POND                         | 2 | NA    | NA | NA | NA  | NA           | NA             |                      |
| CELL 6 POND                         | 6 | 26    | 13 | 25 | 12" | N.S.A., # R4 | N.S.A., # FS-2 |                      |
| CELL 8 POND                         | 5 | 22    | 13 | 23 | 12" | N.S.A., # R4 | N.S.A., # FS-2 |                      |
| CELL 9 & 10 POND                    | 2 | 17.5  | 12 | 29 | 18" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 1 & 2 POOL CONSTRUCTION BASIN  | 1 | 12    | 44 | 48 | 27" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 3-5-7 POOL CONSTRUCTION BASIN  | 2 | NA    | NA | NA | NA  | NA           | NA             |                      |
| CELL 5-7 CONSTRUCTION BASIN         | 1 | 9     | 22 | 25 | 18" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 4 POOL CONSTRUCTION BASIN      | 1 | NA    | NA | NA | NA  | NA           | NA             |                      |
| CELL 6 POOL CONSTRUCTION BASIN      | 2 | 10    | 23 | 27 | 18" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 8 POOL CONSTRUCTION BASIN      | 2 | 10    | 23 | 27 | 18" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 9 & 10 POOL CONSTRUCTION BASIN | 2 | 9     | 34 | 37 | 27" | N.S.A., # R5 | N.S.A., # FS-2 |                      |
| CELL 10 CONSTRUCTION BASIN          | 1 | NA    | NA | NA | NA  | NA           | NA             |                      |

**TABLE 5 - CULVERT OUTLET RIPRAP DETAILS**

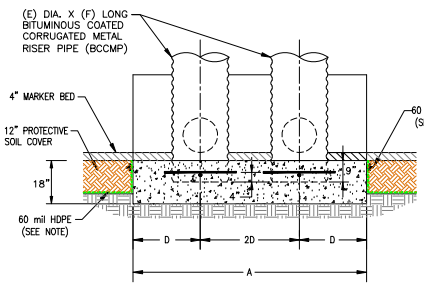
| LOCATION                      | PIPE SIZE | 3Do | La   | W | THICKNESS | RIP RAP       | FILTER BEDDING STONE |
|-------------------------------|-----------|-----|------|---|-----------|---------------|----------------------|
| CELL 1-2 #1 NORTH DITCH       | 30"       | 4   | 19.5 | 4 | 9"        | N.S.A., # R3  | N.S.A., # FS-2       |
| CELL 1-2 #2 SOUTH DITCH       | 32" x 50" | 4   | 36.5 | 4 | 9"        | N.S.A., # R3  | N.S.A., # FS-2       |
| CELL 2 #5 WEST ENTRANCE ROAD  | 21"       | 4   | 12.5 | 4 | 4.5"      | N.S.A., # R2  | N.S.A., # FS-1       |
| CELL 2 #4 SOUTHWEST CORNER    | 21"       | 4   | 12.5 | 4 | 9"        | N.S.A., # R-3 | N.S.A., # FS-2       |
| CELL 3 #1 SOUTH ENTRANCE ROAD | 18"       | 4   | 9.5  | 4 | 4.5"      | N.S.A., # R2  | N.S.A., # FS-1       |
| CELL 3 #1 SOUTH ROAD          | 30"       | 4   | 19.5 | 4 | 9"        | N.S.A., # R3  | N.S.A., # FS-2       |
| CELL #2 EAST ROAD             | 30"       | 4   | 19.5 | 4 | 9"        | N.S.A., # R3  | N.S.A., # FS-2       |
| CELL #3 EAST ROAD             | 36"       | 4   | 25   | 4 | 9"        | N.S.A., # R3  | N.S.A., # FS-2       |
| WEST MAIN ACCESS ROAD         | 24"       | 4   | 15   | 4 | 27"       | N.S.A., # R5  | N.S.A., # FS-2       |

**TABLE 6 - HEADWALL DETAILS**

| LOCATION                       | # PIPE | B SPILLWAY DIAMETER | INBOARD HEADWALL |     |     | OUTBOARD HEADWALL      |     |     |
|--------------------------------|--------|---------------------|------------------|-----|-----|------------------------|-----|-----|
|                                |        |                     | A                | B   | C   | A                      | B   | C   |
| CELL 1-2 CONSTRUCTION BASIN    | 1      | 48"                 | NA               | NA  | NA  | 8'                     | 36' | 72' |
| CELL 3 CONSTRUCTION BASIN      | 2      | 36"                 | NA               | NA  | NA  | NA                     | NA  | NA  |
| CELL 4 CONSTRUCTION BASIN      | 1      | 42"                 | NA               | NA  | NA  | NA                     | NA  | NA  |
| CELL 5-7 CONSTRUCTION BASIN    | 2      | 24"                 | NA               | NA  | NA  | 8'                     | 36' | 48' |
| CELL 6 CONSTRUCTION BASIN      | 2      | 24"                 | NA               | NA  | NA  | 8'                     | 36' | 48' |
| CELL 8 CONSTRUCTION BASIN      | 2      | 24"                 | NA               | NA  | NA  | 8'                     | 36' | 48' |
| CELL 9 & 10 CONSTRUCTION BASIN | 1      | 36"                 | NA               | NA  | NA  | 6'                     | 36' | 60' |
| CELL 10 CONSTRUCTION BASIN     | 1      | 30"                 | NA               | NA  | NA  | 5'                     | 36' | 54' |
| CELL 1 & 2 POND                | 2      | 48"                 | 16"              | 24" | 72" | 18'                    | 36' | 72" |
| CELL 3-5-7 POND                | 2      | 36"                 | NA               | NA  | NA  | NA                     | NA  | NA  |
| CELL 4 POND                    | 1      | 42"                 | NA               | NA  | NA  | NA                     | NA  | NA  |
| CELL 6 POND                    | 6      | 24"                 | 24"              | 24" | 48" | 24"                    | 24" | 48" |
| CELL 8 POND                    | 5      | 24"                 | 20"              | 24" | 48" | 20"                    | 24" | 48" |
| CELL 9 & 10 POND               | 2      | 42"                 | 14"              | 24" | 86" | 14"                    | 36" | 86" |
| CELL 1 & 2 POOL                | 1      | 48"                 | 8'               | 36' | 72' | SEE CONSTRUCTION BASIN |     |     |
| CELL 3-5-7 POOL                | 2      | 30"                 | NA               | NA  | NA  | NA                     | NA  | NA  |
| CELL 4 POOL                    | 1      | 30"                 | NA               | NA  | NA  | NA                     | NA  | NA  |
| CELL 6 POOL                    | 2      | 24"                 | 8'               | 36' | 48' | SEE CONSTRUCTION BASIN |     |     |
| CELL 8 POOL                    | 2      | 24"                 | 8'               | 36' | 48' | SEE CONSTRUCTION BASIN |     |     |
| CELL 9 & 10 POOL               | 1      | 36"                 | 6'               | 36' | 60' | SEE CONSTRUCTION BASIN |     |     |



**BAND CONNECTOR DETAIL**  
NOT TO SCALE



**HEADWALL B BASE DETAIL**  
NOT TO SCALE

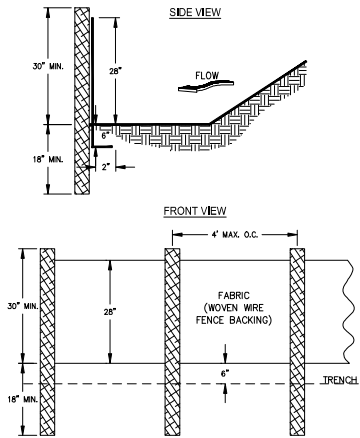
**REFERENCE DRAWINGS:**

1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
2. SEE DRAWING H-15063 FOR GENERAL NOTES AND REFERENCES.



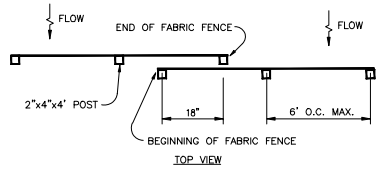
| REVISION | DATE | REVISION | DATE | REVISION | DATE |
|----------|------|----------|------|----------|------|
|          |      |          |      |          |      |

|  |           |                |
|--|-----------|----------------|
| ISSUED FOR PERMIT  | DATE      | 8/25/2022      |
| Southern Company Generation FOR GEORGIA POWER COMPANY                                      |           |                |
| PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>EROSION CONTROL & SEDIMENT DETAILS<br>SHEET 3 OF 6 |           |                |
| SCALE  | PROJ. NO. | DRAWING NUMBER |
| NONE   | 12027     | <b>H-15298</b> |
| BY   | CHKD      | DATE           |
| ANR  | RBL       |                |
| DATE   | DATE      | DATE           |
|  |           |                |

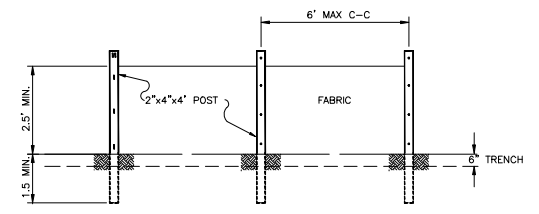


NOTES:  
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

**SILT FENCE - TYPE C**  
NOT TO SCALE



**TYPICAL SILT FENCE - OVERLAP DETAIL**  
NOT TO SCALE

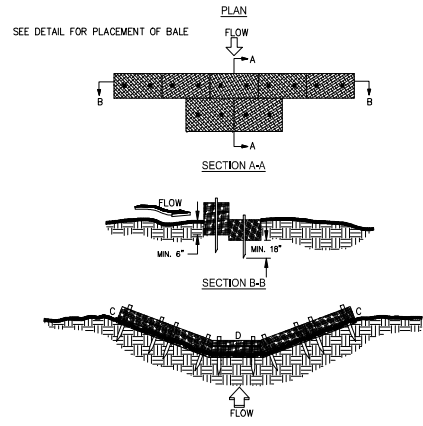


NOTE:  
USE 36" D.O.T. APPROVED FABRIC USE WOOD OR STEEL POLES

FASTENERS FOR WOOD POSTS

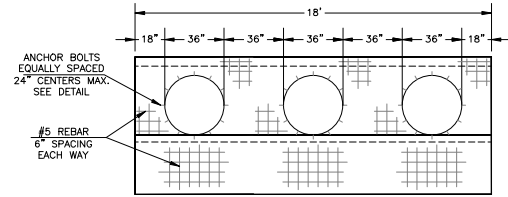
| FASTENERS    | GAUGE   | CROWN     | LEGS      | STAPLES/POST |
|--------------|---------|-----------|-----------|--------------|
| WIRE STAPLES | 17 MIN. | 3/4" WIRE | 1/2" LONG | 5 MIN.       |
| NAILS        | 14 MIN. | 1" WIRE   | 3/4"      | 5 MIN.       |

**TYPICAL SILT FENCE - FASTENER DETAIL**  
NOT TO SCALE

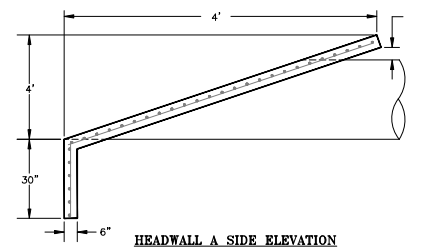


NOTES:  
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.  
2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.  
3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

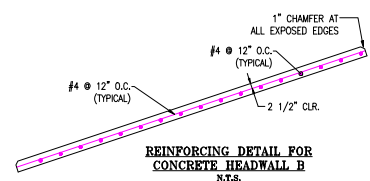
**TYPICAL STRAW BALE CHECK DAM**  
NOT TO SCALE



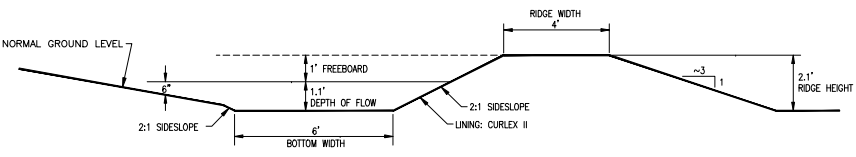
**HEADWALL A FRONT ELEVATION**  
NOT TO SCALE (H-15066)



**HEADWALL A SIDE ELEVATION**  
NOT TO SCALE (H-15066)



**REINFORCING DETAIL FOR CONCRETE HEADWALL B**  
NOT TO SCALE (H-15066)



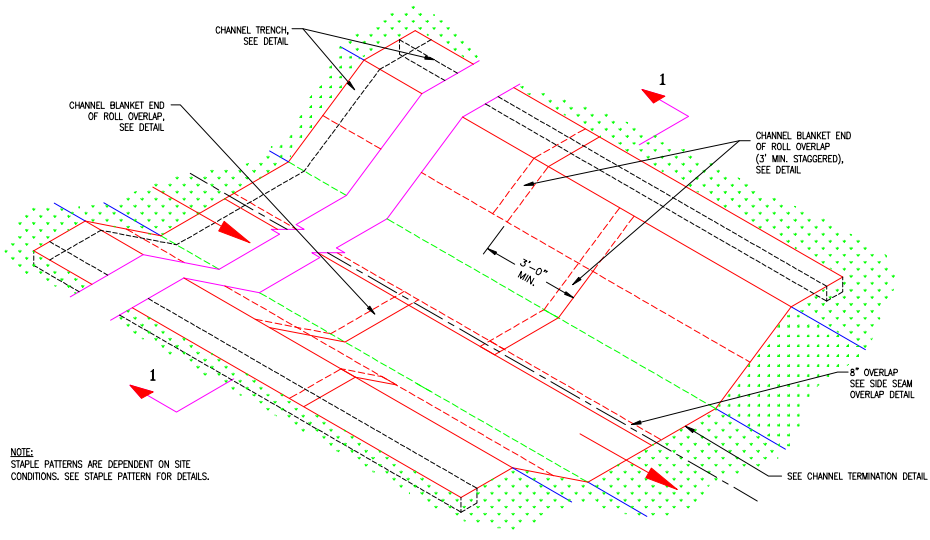
**DIVERSION DETAIL (EXCAVATION PHASE)**  
NOT TO SCALE

NOTES:  
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.  
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.  
3. ALL FILLS SHALL BE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.  
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.  
5. DIVERSION CHANNEL SHALL BE STABILIZED IN ACCORDANCE WITH THE SITE'S OPERATION PLAN.

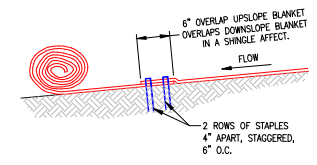
**REFERENCE DRAWINGS:**  
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.  
2. SEE DRAWING H-15063 FOR GENERAL NOTES AND REFERENCES.  
3. MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA, LATEST EDITION



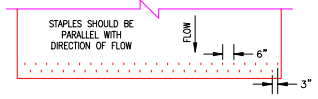
|          |           |                |                   |           |   |          |
|----------|-----------|----------------|-------------------|-----------|---|----------|
| REVISION |           | DATE           | REVISION          | DATE      | Southern Company Generation FOR   |          |
|          |           |                | 0                 | 8/25/2022 | GEORGIA POWER COMPANY   |          |
|          |           |                | ISSUED FOR PERMIT |           | PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>EROSION CONTROL & SEIMENT DETAILS<br>SHEET 4 OF 6 |          |
| BY       | CHKD      | APPV           | ELECT APPV        | LC APPV   | MECH APPV   | GRV APPV |
| ANR      | RBL       |                |                   |           |   |          |
| SCALE    | PROJ. LD. | DRAWING NUMBER | SHEET             | CONTD.    | REV.  |          |
| NONE     | 10207     | <b>H-15299</b> | 1                 | FINAL     | 0   |          |



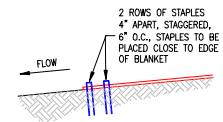
**PERIMETER DITCH LINER DETAIL**  
NOT TO SCALE



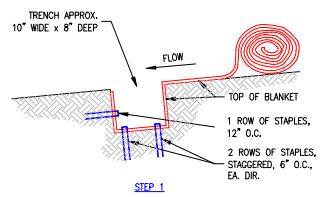
**CHANNEL BLANKET END OF ROLL OVERLAP**  
NOT TO SCALE



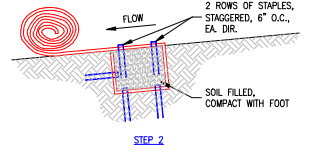
**CHANNEL TERMINATION PLAN**  
NOT TO SCALE



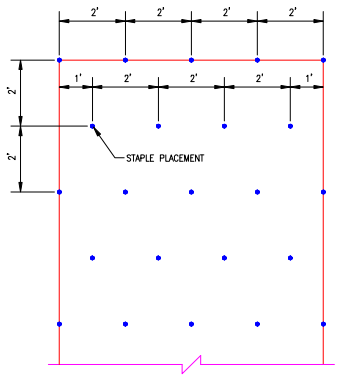
**CHANNEL TERMINATION**  
NOT TO SCALE



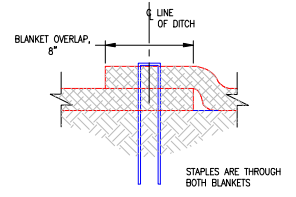
**CHANNEL TRENCH**  
STEP 1  
NOT TO SCALE



**CHANNEL TRENCH**  
STEP 2  
NOT TO SCALE



**BLANKET STAPLE PATTERN**  
NOT TO SCALE



**SIDE SEAM OVERLAP STAPLE DETAIL**  
NOT TO SCALE

- REFERENCE DRAWINGS:**
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

NOTE:  
STAPLE PATTERNS ARE DEPENDENT ON SITE  
CONDITIONS. SEE STAPLE PATTERN FOR DETAILS.

**CURLEX II STABILIZATION  
INSTALLATION DETAILS**

Southern Company Generation  
FOR

**GEORGIA POWER COMPANY**

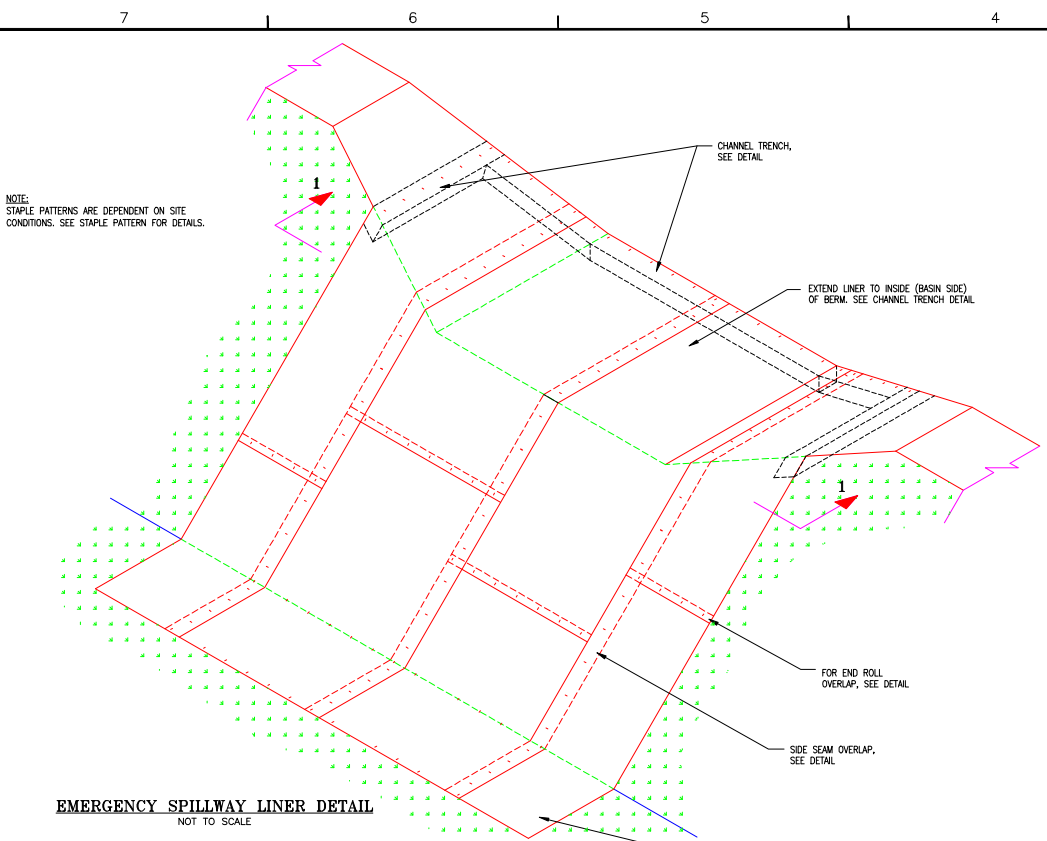
PLANT BOWEN  
COB DISPOSAL FACILITY  
EROSION CONTROL & SEDIMENT DETAILS  
SHEET 5 OF 6



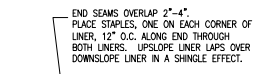
| REVISION | DATE | REVISION          | DATE      |
|----------|------|-------------------|-----------|
|          |      | 0                 | 8/25/2022 |
|          |      | ISSUED FOR PERMIT |           |

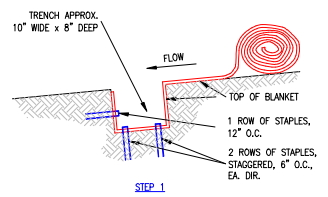
| BY | CHK'D | CIVL APPR | ELECT APPR | LV APPR | MESH APPR | MSR APPR | BY  | CHK'D | CIVL APPR | ELECT APPR | LV APPR | MESH APPR | MSR APPR | SCALE | PROJ. I.D. | DRAWING NUMBER | SH. | CONTS. | REV. |
|----|-------|-----------|------------|---------|-----------|----------|-----|-------|-----------|------------|---------|-----------|----------|-------|------------|----------------|-----|--------|------|
|    |       |           |            |         |           |          | ANR | RBL   |           |            |         |           |          | NONE  | 10207      | <b>H-15300</b> | 1   | FINAL  | 0    |



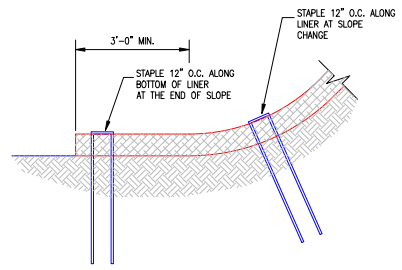
**EMERGENCY SPILLWAY LINER DETAIL**  
NOT TO SCALE



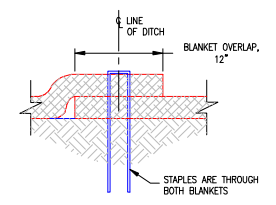
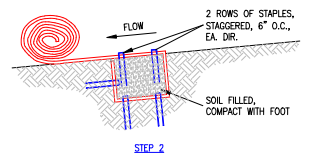
**END OF ROLL OVERLAP**  
NOT TO SCALE



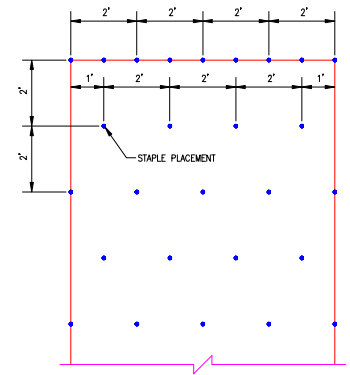
**SLOPE TRENCH**  
NOT TO SCALE



**BOTTOM OF SLOPE TERMINATION**  
NOT TO SCALE

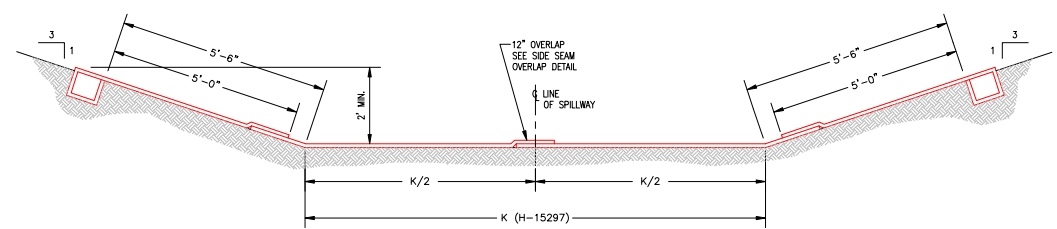


**SIDE SEAM OVERLAP STAPLE DETAIL**  
NOT TO SCALE



**STAPLE PATTERN**  
NOT TO SCALE

NOTE:  
FOR COHESIVE SOIL USE  
A 6"x1/8" 11 GAUGE WIRE  
STAPLE AND FOR NON-  
COHESIVE SOIL USE A  
8"x2/8" 11 GAUGE WIRE  
STAPLE.



**SECTION 1-1**  
NOT TO SCALE

- REFERENCE DRAWINGS:**
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.
  2. SEE SHEET H-15063 FOR GENERAL NOTES AND REFERENCES.

RECYCLEX TRM STABILIZATION  
INSTALLATION DETAILS

Southern Company Generation  
FOR

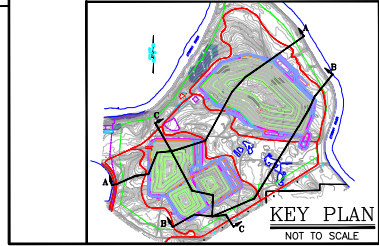
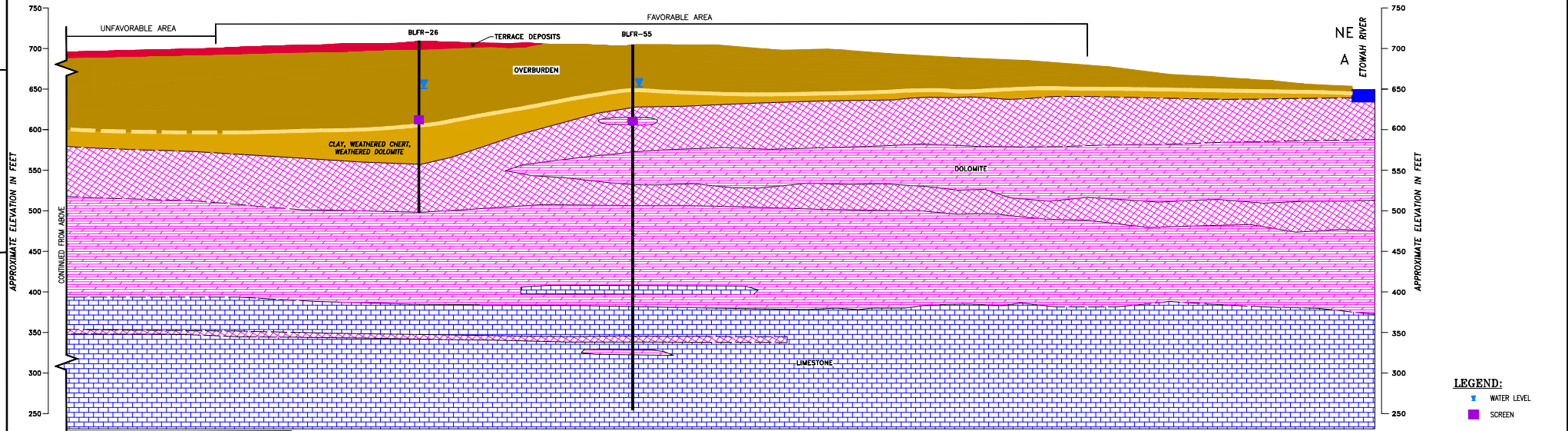
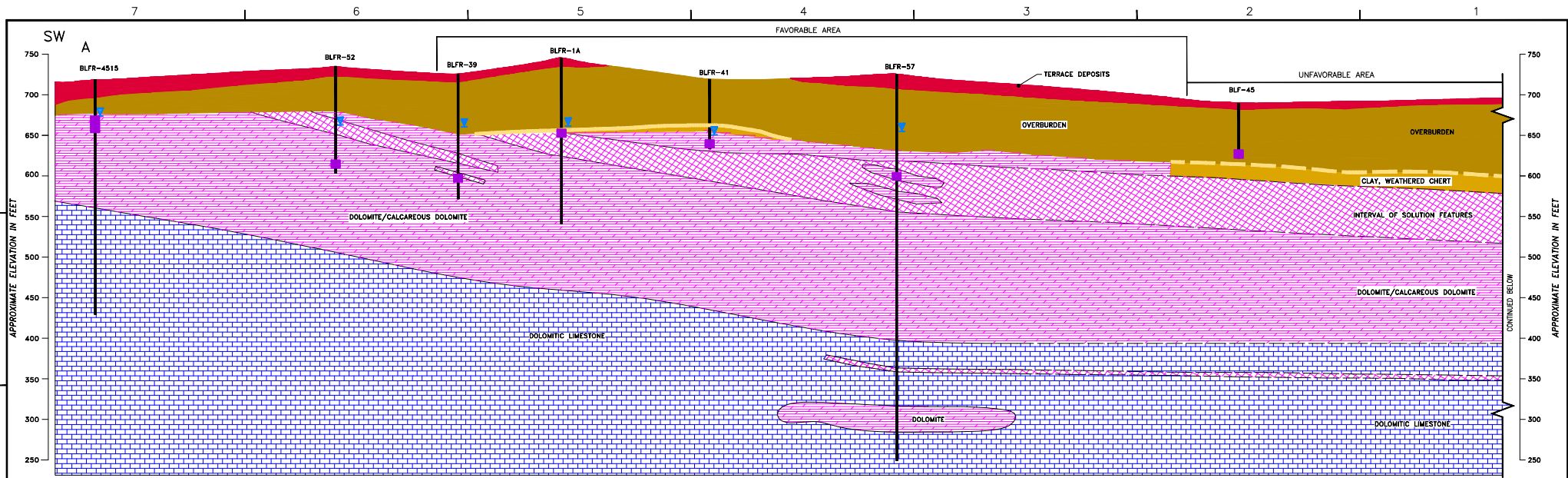
**GEORGIA POWER COMPANY**

PLANT BOWEN  
CCB DISPOSAL FACILITY  
EROSION CONTROL & SEDIMENT DETAILS  
SHEET 6 OF 6

| REVISION | DATE | REVISION          | DATE      |
|----------|------|-------------------|-----------|
|          |      | 0                 | 8/25/2022 |
|          |      | ISSUED FOR PERMIT |           |



| BY  | CHK'D | DATE | BY | CHK'D | DATE | SCALE | PRO. NO. | DRAWING NUMBER | REV. | DATE  |
|-----|-------|------|----|-------|------|-------|----------|----------------|------|-------|
| ANR | RBL   |      |    |       |      | NONE  | 10207    | <b>H-15301</b> | 1    | FINAL |



- NOTES:**
1. WATER LEVELS MEASURED 11/05/03  
RIVER STAGE DATA (11/05/03) FROM ONSITE STAFF GAUGE.
  2. WATER-LEVEL AND RIVER STAGE DATA PROVIDED BY GEORGIA POWER.

**GEOLOGIC CROSS-SECTION A-A**

SCALE H: 1"=100' V: 1"=50'

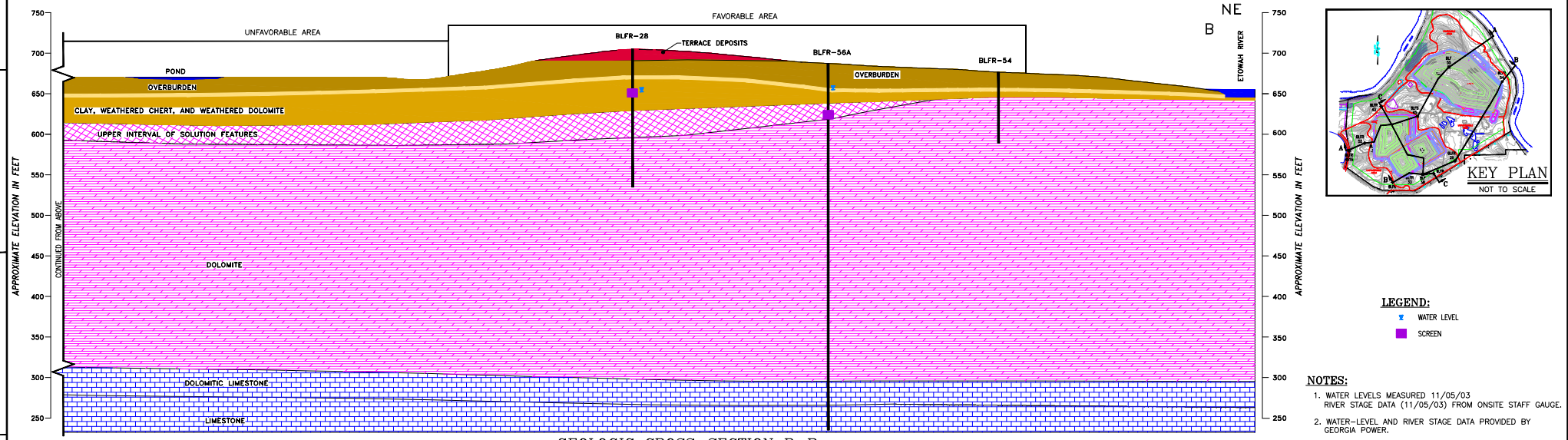
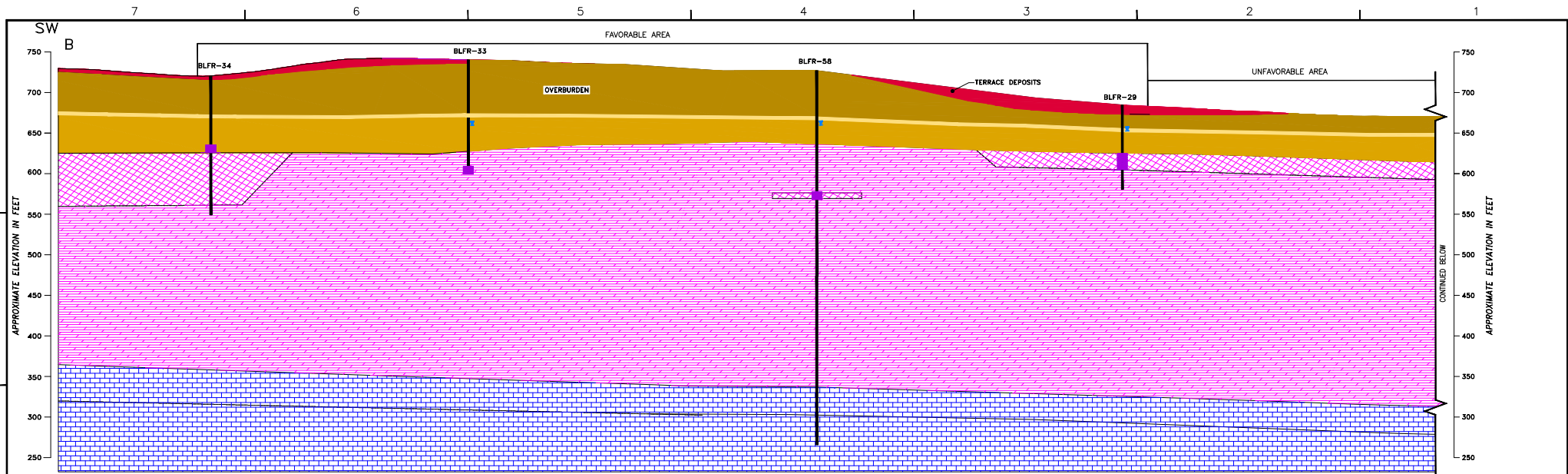
- REFERENCE DRAWINGS:**
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.

The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in June 2006 in support of the Industrial Solid Waste Permit 008-018D(L). All noted submittals were sealed by a professional engineer and professional geologist licensed in the state of Georgia. The information on this sheet is provided for reference only and has not been amended by Hodges, Horbin, Newberry and Tribble, Inc. or Bunnell Lammons Engineering, Inc.

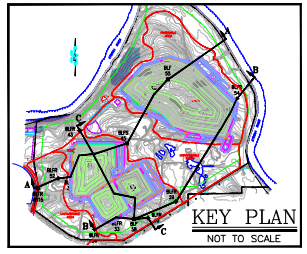


|                   |       |          |           |
|-------------------|-------|----------|-----------|
| REVISION          | DATE  | REVISION | DATE      |
| 0                 |       | 0        | 8/25/2022 |
| ISSUED FOR PERMIT |       |          |           |
| BY                | CHK'D | DATE     | APP'D     |
| ANR               | RBL   |          |           |

|  |           |                |           |
|--|-----------|----------------|-----------|
| Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b> |           |                |           |
| PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>GEOLOGIC CROSS-SECTION A-A |           |                |           |
| SCALE  | PROJ. NO. | DRAWING NUMBER | REV.      |
| AS SHOWN   | 10207     | <b>H-15307</b> | 1 FINAL 0 |



**GEOLOGIC CROSS-SECTION B-B**  
SCALE H: 1"=100' V: 1"=50'



**LEGEND:**  
 ▲ WATER LEVEL  
 ■ SCREEN

**NOTES:**  
 1. WATER LEVELS MEASURED 11/05/03  
 RIVER STAGE DATA (11/05/03) FROM ONSITE STAFF GAUGE.  
 2. WATER-LEVEL AND RIVER STAGE DATA PROVIDED BY  
 GEORGIA POWER.

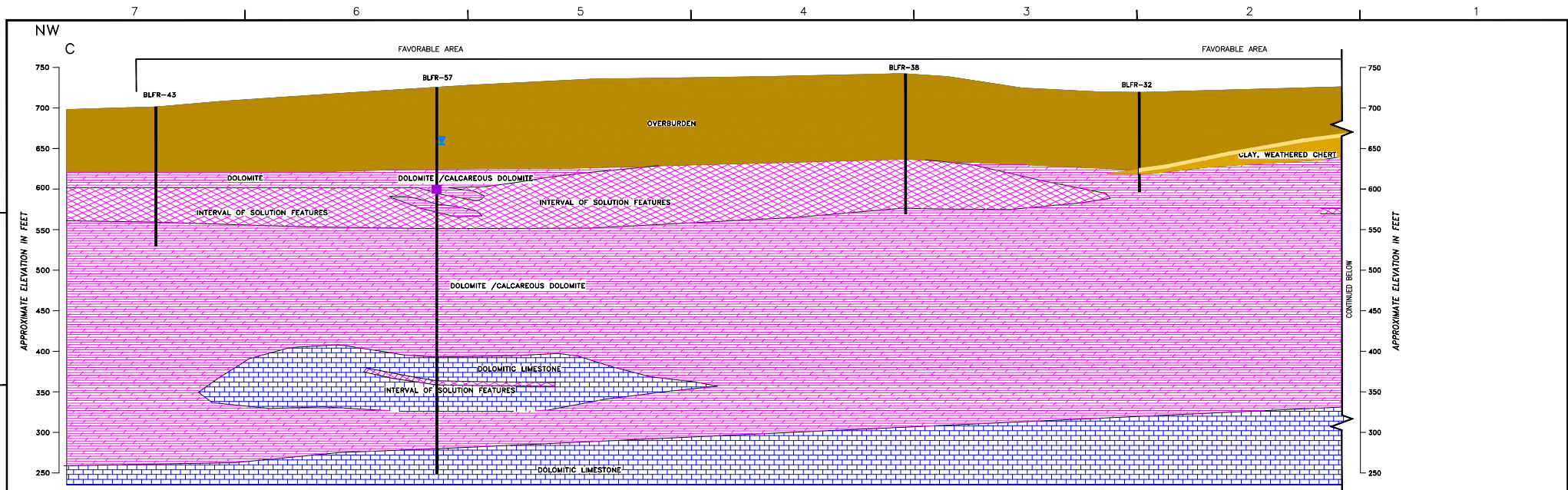
**REFERENCE DRAWINGS:**  
 1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.



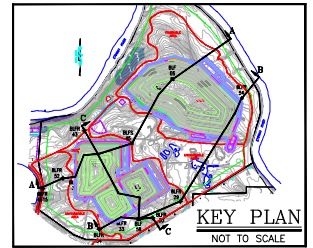
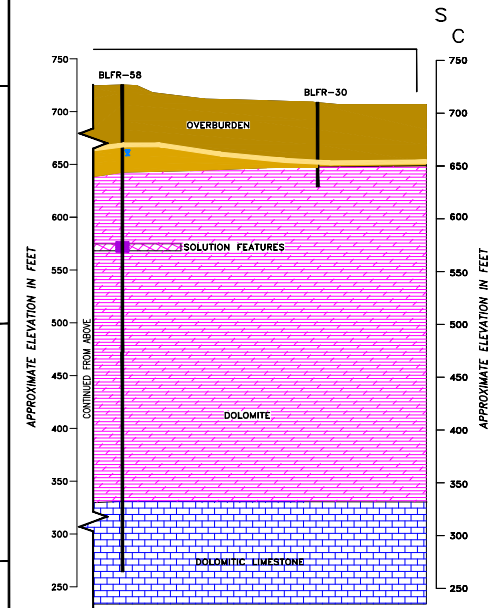
The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in June 2006 in support of the Industrial Solid Waste Permit! OIS-019X(U). All noted submittals were sealed by a professional engineer and professional geologist licensed in the state of Georgia. The information on this sheet is provided for reference only and has not been amended by Hodges, Harbin, Newberry and Tribble, Inc. or Bunnell Lammons Engineering, Inc.



|                            |       |            |              |          |            |           |     |   |            |              |          |                |           |          |           |                |     |        |      |
|----------------------------|-------|------------|--------------|----------|------------|-----------|-----|---|------------|--------------|----------|----------------|-----------|----------|-----------|----------------|-----|--------|------|
| REVISION                   |       |            |              | DATE     |            |           |     | REVISION 0  |            |              |          | DATE 8/25/2022 |           |          |           |                |     |        |      |
| ISSUED FOR PERMIT          |       |            |              |          |            |           |     | SOUTHERN COMPANY GENERATION FOR GEORGIA POWER COMPANY |            |              |          |                |           |          |           |                |     |        |      |
| PLANT BOWEN                |       |            |              |          |            |           |     | CCB DISPOSAL FACILITY                                 |            |              |          |                |           |          |           |                |     |        |      |
| GEOLOGIC CROSS-SECTION B-B |       |            |              |          |            |           |     | GEOLOGIC CROSS-SECTION B-B                            |            |              |          |                |           |          |           |                |     |        |      |
| BY                         | CHK'D | DLG. APPR. | ELECT. APPR. | LC APPR. | MED. APPR. | USE APPR. | BY  | CHK'D   | DLG. APPR. | ELECT. APPR. | LC APPR. | MED. APPR.     | USE APPR. | SCALE    | PROJ. LG. | DRAWING NUMBER | SH. | CON'T. | REV. |
|                            |       |            |              |          |            |           | ANR | RBL   |            |              |          |                |           | AS SHOWN | 10207     | <b>H-15308</b> | 1   | FINAL  | 0    |



**GEOLOGIC CROSS-SECTION C-C**  
SCALE H: 1"=100' V: 1"=50'



**LEGEND:**  
 WATER LEVEL  
 SCREEN

**NOTES:**  
 1. WATER LEVELS MEASURED 11/05/03  
 RIVER STAGE DATA (11/05/03) FROM ONSITE STAFF GAUGE.  
 2. WATER-LEVEL AND RIVER STAGE DATA PROVIDED BY GEORGIA POWER.

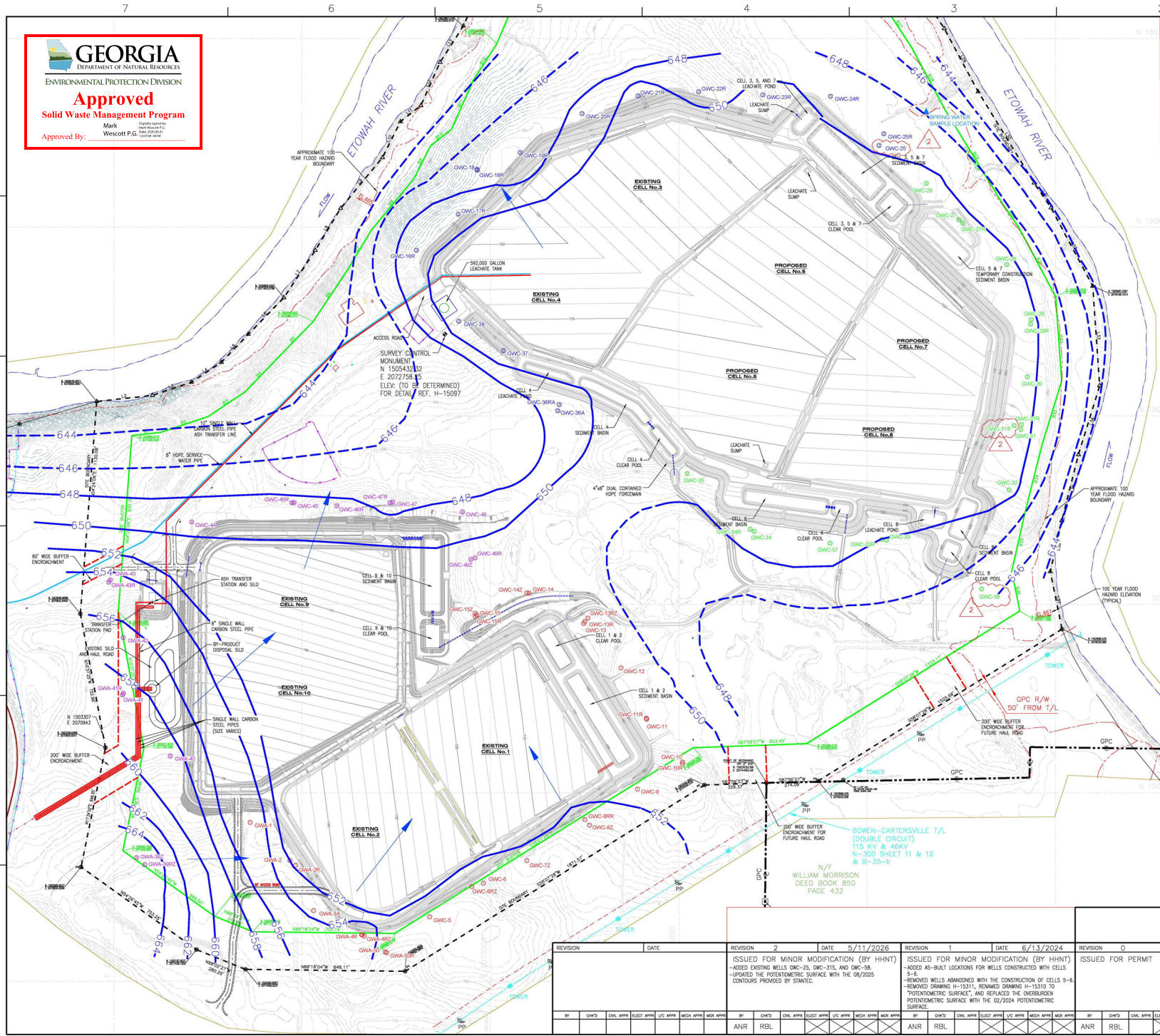
**REFERENCE DRAWINGS:**  
 1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.



The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in June 2006 in support of the Industrial Solid Waste Permit 008-0180(L). All noted submittals were sealed by a professional engineer and professional geologist licensed in the state of Georgia. The information on this sheet is provided for reference only and has not been amended by Hodges, Harbin, Newberry and Tribble, Inc. or Bunnell Lammons Engineering, Inc.



|          |       |            |              |                   |             |                |     |  |            |              |          |             |           |          |           |                |     |         |      |
|----------|-------|------------|--------------|-------------------|-------------|----------------|-----|--|------------|--------------|----------|-------------|-----------|----------|-----------|----------------|-----|---------|------|
| REVISION |       | DATE       |              | REVISION 0        |             | DATE 8/25/2022 |     | Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b><br>PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>GEOLOGIC CROSS-SECTION C-C |            |              |          |             |           |          |           |                |     |         |      |
|          |       |            |              | ISSUED FOR PERMIT |             |                |     |  |            |              |          |             |           |          |           |                |     |         |      |
| BY       | CHK'D | DLG. APPR. | ELECT. APPR. | LC APPR.          | MECH. APPR. | USE APPR.      | BY  | CHK'D  | DLG. APPR. | ELECT. APPR. | LC APPR. | MECH. APPR. | USE APPR. | SCALE    | PROJ. NO. | DRAWING NUMBER | SH. | CON'TS. | REV. |
|          |       |            |              |                   |             |                | ANR | RBL  |            |              |          |             |           | AS SHOWN | 10207     | <b>H-15309</b> | 1   | FINAL   | 0    |



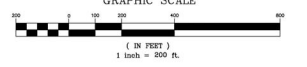
- LEGEND:**
- EXISTING WELLS INSTALLED PRIOR TO CELLS 1 AND 2
  - EXISTING WELLS INSTALLED PRIOR TO CELLS 3 AND 4
  - EXISTING WELLS INSTALLED PRIOR TO CELLS 5 THROUGH 8
  - EXISTING WELLS INSTALLED PRIOR TO CELLS 9 AND 10
  - - - SITE BOUNDARY
  - 200' BUFFER
  - - - EXISTING GROUND CONTOURS
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS
  - FENCE
  - - - PROPERTY LINE
  - - - POTENTIOMETRIC SURFACE CONTOURS
  - - - INFERRED POTENTIOMETRIC SURFACE CONTOURS
  - GROUNDWATER FLOW DIRECTION

- NOTES:**
1. TOPOGRAPHIC SURVEY COMPLETED MAY 27, 2004.
  2. HORIZONTAL AND VERTICAL CONTROL PROVIDED BY GEORGIA POWER COMPANY LAND DEPARTMENT.
  3. THE 100 YEAR FLOOD HAZARD BOUNDARY AND ELEVATIONS WERE OBTAINED FROM FEMA MAP NO. 13015C0245H, EFFECTIVE DATE, 10-05-2018.
  4. EXISTING CELLS 1-4 AND 9-10 WELL LOCATIONS ARE TAKEN FROM A SURVEY COMPLETED BY DONALDSON & GARRETT ASSOCIATES INC., ON MARCH 23, 2021 WITH A HORIZONTAL ACCURACY OF 0.5 FEET REFERENCED TO GEORGIA STATE PLANE COORDINATE SYSTEM (GEORGIA STATE PLANE, WEST ZONE, NAD83).
  5. EXISTING CELLS 5-8 WELL LOCATIONS ARE TAKEN FROM A SURVEY COMPLETED BY METRO ENGINEERING & SURVEYING CO., INC., ON JUNE 13, 2023 WITH A HORIZONTAL ACCURACY OF 0.5 FEET REFERENCED TO GEORGIA STATE PLANE COORDINATE SYSTEM (GEORGIA STATE PLANE, WEST ZONE, NAD83) AND A VERTICAL ACCURACY OF 0.01 FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 ("NAVD83").
  6. EXISTING WELL GWC-25, GWC-31S, AND GWC-58 LOCATIONS ARE TAKEN FROM APPENDIX D, CERTIFIED WELL SURVEY, OF THE WELL INSTALLATION REPORT PREPARED BY STANTEC, DATED JANUARY 16, 2026.
  7. POTENTIOMETRIC SURFACE HAS BEEN OBTAINED FROM FIGURE A-2 OF THE GROUNDWATER MONITORING PLAN PREPARED BY STANTEC, AND IS BASED ON THE AUGUST 2025 GROUNDWATER SAMPLING EVENT.

I hereby certify that I am a qualified groundwater scientist, in accordance with the Rules of Solid Waste Management, and 40 CFR Part 258.50(g). A qualified groundwater scientist is a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields as may be demonstrated by State registration, professional Certifications, or completion of accredited university programs that enable individuals to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action. I hereby certify that the design of this groundwater monitoring system was developed in accordance with the Rules of Solid Waste Management, Chapter 301-3-4.

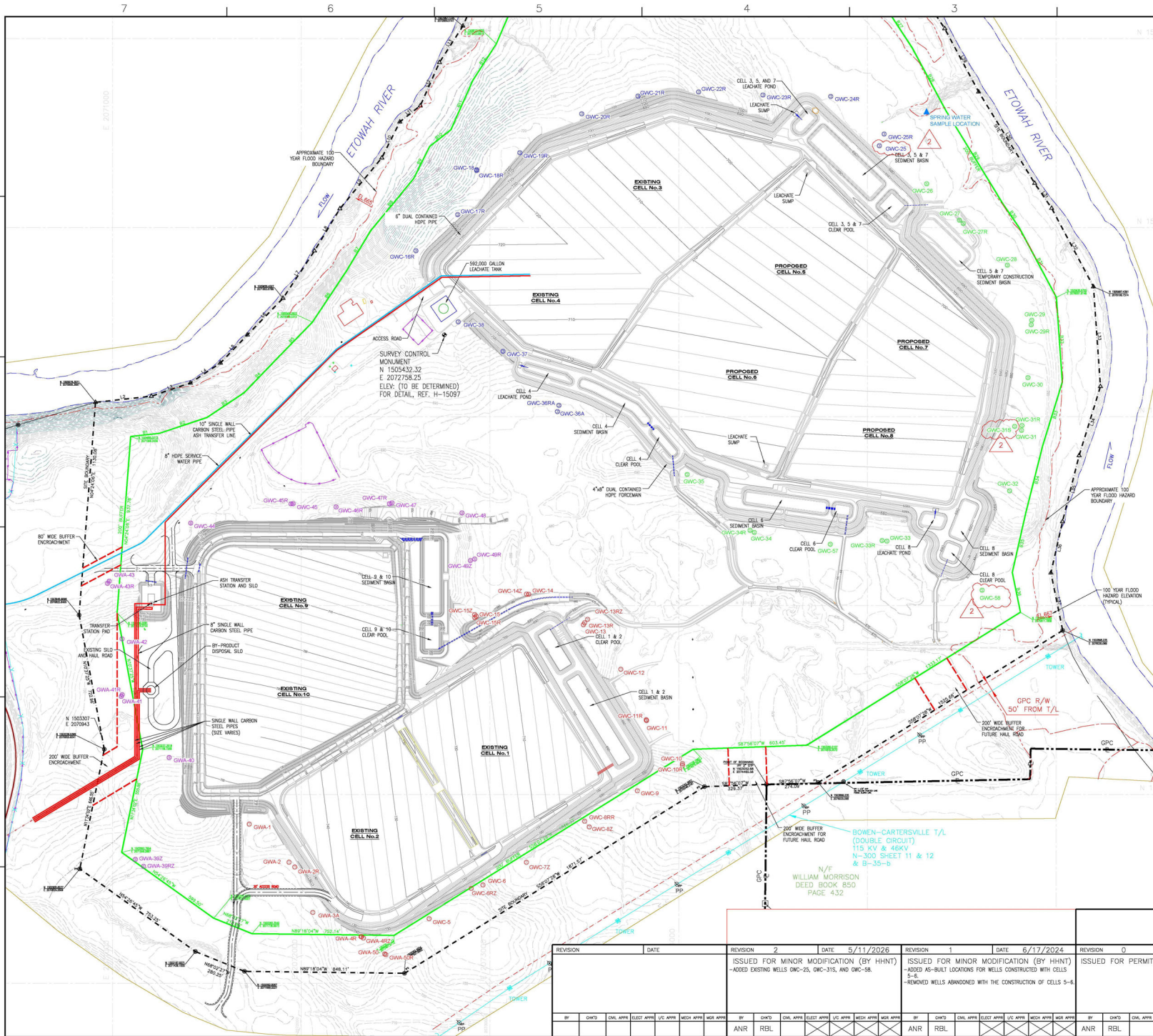
Signature: *Katie Ross*

Date: 5/13/2026



**REFERENCE DRAWINGS:**  
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.

|  |      |      |      |  |      |      |      |                           |      |      |      |
|--|------|------|------|--|------|------|------|---------------------------|------|------|------|
| Southern Company Generation<br>FOR<br><b>GEORGIA POWER COMPANY</b>   |      |      |      |  |      |      |      |                           |      |      |      |
| PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>POTENTIOMETRIC SURFACE   |      |      |      |  |      |      |      |                           |      |      |      |
| REVISION 2 DATE 5/11/2026  |      |      |      | REVISION 1 DATE 6/13/2024  |      |      |      | REVISION 0 DATE 8/25/2022 |      |      |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT)<br>-ADDED EXISTING WELLS GWC-25, GWC-31S, AND GWC-58<br>-UPDATED THE POTENTIOMETRIC SURFACE WITH THE 08/2025 CONTOURS PROVIDED BY STANTEC. |      |      |      | ISSUED FOR MINOR MODIFICATION (BY HHNT)<br>-ADDED AS-BUILT LOCATIONS FOR WELLS CONSTRUCTED WITH CELLS 5-8<br>-REMOVED WELLS ANNOTATED WITH THE CONSTRUCTION OF CELLS 5-8<br>-REMOVED DRAWING H-15311, RENAMED DRAWING H-15310 TO POTENTIOMETRIC SURFACE, AND REPLACED THE OVERBORDEN POTENTIOMETRIC SURFACE WITH THE 02/2024 POTENTIOMETRIC SURFACE. |      |      |      | ISSUED FOR PERMIT         |      |      |      |
| BY   | CHKD | DATE | APPV | BY   | CHKD | DATE | APPV | BY                        | CHKD | DATE | APPV |
| ANR  | RBL  |      |      | ANR  | RBL  |      |      | ANR                       | RBL  |      |      |
| SCALE: 1"=200'   |      |      |      |  |      |      |      |                           |      |      |      |
| PROJECT NO. 10207  |      |      |      |  |      |      |      |                           |      |      |      |
| DRAWING NUMBER: <b>H-15310</b>   |      |      |      |  |      |      |      |                           |      |      |      |
| SHEET: 1 OF 1  |      |      |      |  |      |      |      |                           |      |      |      |

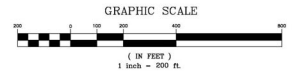


- LEGEND:**
- EXISTING WELLS INSTALLED PRIOR TO CELLS 1 AND 2
  - EXISTING WELLS INSTALLED PRIOR TO CELLS 3 AND 4
  - EXISTING WELLS INSTALLED PRIOR TO CELLS 5 THROUGH 8
  - EXISTING WELLS INSTALLED PRIOR TO CELLS 9 AND 10
  - ▲ SPRING WATER SAMPLE LOCATION
  - - - SITE BOUNDARY
  - 200' BUFFER
  - - - EXISTING GROUND CONTOURS
  - - - FINAL GRADE CONTOURS
  - - - FENCE
  - - - PROPERTY LINE

- NOTES:**
1. TOPOGRAPHIC SURVEY COMPLETED MAY 27, 2004.
  2. HORIZONTAL AND VERTICAL CONTROL PROVIDED BY GEORGIA POWER COMPANY LAND DEPARTMENT.
  3. THE 100 YEAR FLOOD HAZARD BOUNDARY AND ELEVATIONS WERE OBTAINED FROM FEMA MAP NO. 13015C0245H, EFFECTIVE DATE, 10-05-2018.
  4. EXISTING CELLS 1-4 AND 9-10 WELL LOCATIONS ARE TAKEN FROM A SURVEY COMPLETED BY DONALDSON & GARRETT ASSOCIATES, INC., ON MARCH 23, 2021 WITH A HORIZONTAL ACCURACY OF 0.5 FEET REFERENCED TO GEORGIA STATE PLAN COORDINATE SYSTEM (GEORGIA STATE PLANE, WEST ZONE, NAD83).
  5. EXISTING CELLS 5-8 WELL LOCATIONS ARE TAKEN FROM A SURVEY COMPLETED BY METRO ENGINEERING & SURVEYING CO., INC., ON JUNE 13, 2023 WITH A HORIZONTAL ACCURACY OF 0.5 FEET REFERENCED TO GEORGIA STATE PLAN COORDINATE SYSTEM (GEORGIA STATE PLANE, WEST ZONE, NAD83) AND A VERTICAL ACCURACY OF 0.01 FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 ("NAVD83").
  6. EXISTING WELL GWC-25, GWC-31S, AND GWC-58 LOCATIONS ARE TAKEN FROM APPENDIX D, CERTIFIED WELL SURVEY, OF THE WELL INSTALLATION REPORT PREPARED BY STANTEC, DATED JANUARY 16, 2026.

I hereby certify that I am a qualified groundwater scientist, in accordance with the Rules of Solid Waste Management, and 40 CFR Part 258.50(g). A qualified groundwater scientist is a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields as may be demonstrated by State registration, professional Certifications, or completion of accredited university programs that enable individuals to make sound professional judgments regarding groundwater monitoring, confinement fate and transport, and corrective action. I hereby certify that the design of this groundwater monitoring system was developed in accordance with the Rules of Solid Waste Management, Chapter 391-3-4.

Signature: *Katie Ross*  
 Date: 5/13/2026



- REFERENCE DRAWINGS:**
1. FOR A COMPLETE DRAWING LIST SEE SHEET H-15061.

|  |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
|--|------|------|------|--|------|----|------|---------------------------|------|-----|------|-----|------|------|------|-------|------|----|------|------|------|-----|------|-----|------|------|------|-------|------|----|------|------|------|-----|------|
| Southern Company Generation FOR  |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| GEORGIA POWER COMPANY  |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| PLANT BOWEN CCB DISPOSAL FACILITY COMPLIANCE NETWORK SHEET                                 |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| REVISION 2 DATE 5/11/2026  |      |      |      | REVISION 1 DATE 6/17/2024  |      |    |      | REVISION 0 DATE 8/25/2022 |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| ISSUED FOR MINOR MODIFICATION (BY HHNT) - ADDED EXISTING WELLS GWC-25, GWC-31S, AND GWC-58 |      |      |      | ISSUED FOR MINOR MODIFICATION (BY HHNT) - ADDED AS-BUILT LOCATIONS FOR WELLS CONSTRUCTED WITH CELLS 5-8 - REMOVED WELLS ABANDONED WITH THE CONSTRUCTION OF CELLS 5-8 |      |    |      | ISSUED FOR PERMIT         |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| BY   | DATE | CHKD | APPV | ELEST  | APPV | UC | APPV | MECH                      | APPV | MSR | APPV | BY  | DATE | CHKD | APPV | ELEST | APPV | UC | APPV | MECH | APPV | MSR | APPV | BY  | DATE | CHKD | APPV | ELEST | APPV | UC | APPV | MECH | APPV | MSR | APPV |
| ANR  | RBL  |      |      |  |      |    |      |                           |      |     |      | ANR | RBL  |      |      |       |      |    |      |      |      |     |      | ANR | RBL  |      |      |       |      |    |      |      |      |     |      |
| SCALE: 1"=200'   |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| PROJECT NO. 10207  |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| DRAWING NUMBER: H-15312  |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |
| SHEET 1 OF 2   |      |      |      |  |      |    |      |                           |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |     |      |      |      |       |      |    |      |      |      |     |      |



USGS The National Map Orthometry. Data refreshed October 2016. 34°17'16.72" N

**FLOOD HAZARD INFORMATION**

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

|                                    |  |
|------------------------------------|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  | Without Base Flood Elevation (BFE)<br>Zone A, AE, AO, AH, VE, AR   |
|                                    | Regulatory Floodway  |
|                                    | 0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X |
|                                    | Future Conditions 1% Annual Chance Flood Hazard. Zone X  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> | Area with Reduced Flood Risk due to Levee<br>See Note. Zone X  |
|                                    | Area with Flood Risk due to Levee. Zone D  |
|                                    | NO SCREEN Area of Minimal Flood Hazard. Zone X   |
|                                    | Effective OMRs   |
| <b>OTHER AREAS</b>                 | Area of Undetermined Flood Hazard. Zone D  |
| <b>GENERAL STRUCTURES</b>          | Channel, Culvert, or Storm Sewer   |
|                                    | Levee, Dike, or Floodwall  |
|                                    | 20.2 Cross Sections with 1% Annual Chance  |
|                                    | 17.5 Water Surface Elevation   |
|                                    | Coastal Tract  |
|                                    | Coastal Tract Baseline   |
|                                    | Pedicle Baseline   |
|                                    | Hydrographic Feature   |
|                                    | Base Flood Elevation Line (BFE)  |
| <b>OTHER FEATURES</b>              | Limit of Study   |
|                                    | Jurisdiction Boundary  |

**NOTES TO USERS**

For information and questions about the Flood Insurance Rate Map (FIRM), available products associated with the FIRM, including historic versions, the current map data for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please visit the FEMA Web Information Exchange at [www.fema.gov](http://www.fema.gov). For information about the specific vertical datum for elevation features, datum conversions, or vertical measurements used to create this map, please see the Flood Insurance Study(FIS) Report for your community at <https://msc.fema.gov>.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction. To determine if Flood Insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-368-5828.

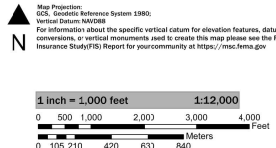
Resurvey information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAD83 dated April 11, 2015.

This map was prepared from FEMA's National Flood Hazard Layer (NFHL) on 11/10/2018 10:50:38 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or require adjustment for new data over time. For additional information, please see the Flood Hazard Mapping Update Overview Fact Sheet at <https://www.fema.gov/media-operations/assets/document/113418>.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

This map may be used for the use or reuse of the following map elements: (a) not depicted: basemap images, flood zone labels, legend, scale bar, map creation date, community identifier, FIRM panel number, and FIRM effective date.

**SCALE**



**NATIONAL FLOOD INSURANCE PROGRAM**  
FLOOD INSURANCE RATE MAP  
BARTOW\_CO\_GA\_PMR\_FY12\_GEOORGIA  
AND INCORPORATED AREAS  
PANEL 245 of 385

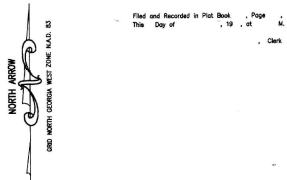
Panel Contains:

|                          |        |       |
|--------------------------|--------|-------|
| COMMUNITY                | NUMBER | PANEL |
| CITY OF DUWALIE, GEORGIA | 130570 | 0245  |
| BARTOW COUNTY, GEORGIA   | 130463 | 0245  |

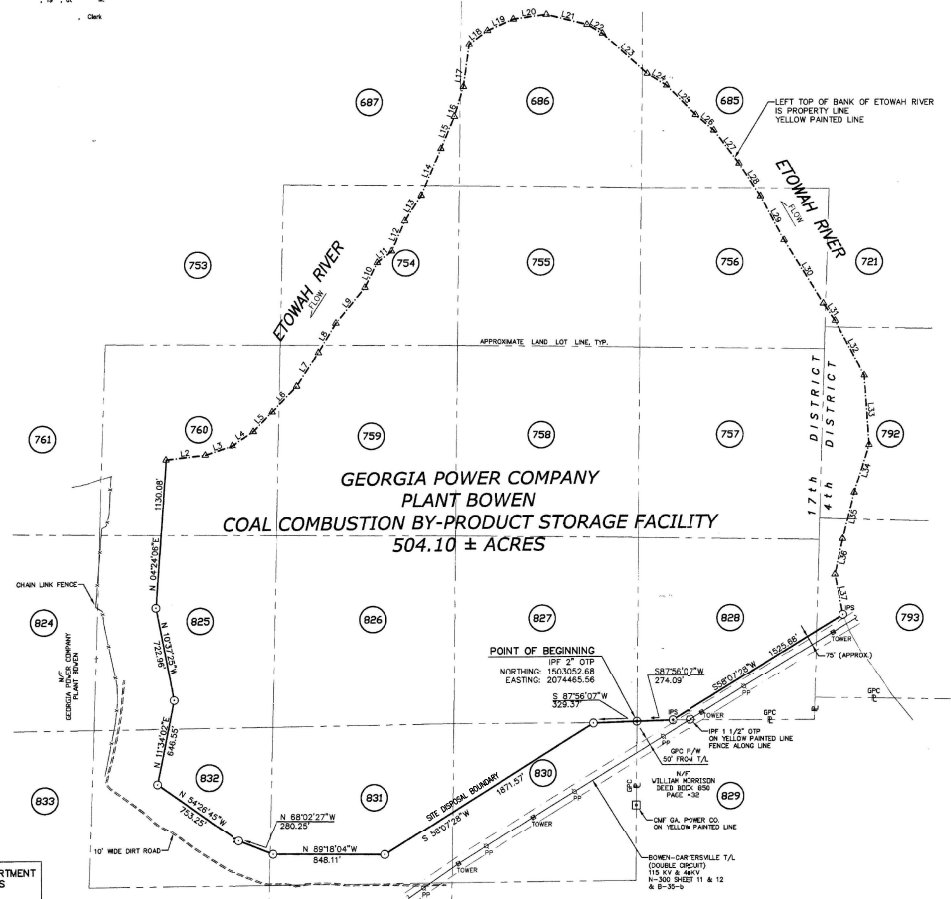
MAPNUMBER  
1301500245H  
EFFECTIVE DATE  
10/05/2018



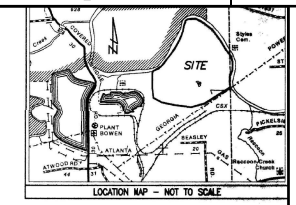
|   |            |         |          |                |         |           |
|---|------------|---------|----------|----------------|---------|-----------|
| REVISION  |            | DATE    | REVISION | DATE           | 0       | 8/25/2022 |
| ISSUED FOR PERMIT                                     |            |         |          |                |         |           |
| Southern Company Generation FOR GEORGIA POWER COMPANY |            |         |          |                |         |           |
| PLANT BOWEN CCB DISPOSAL FACILITY FLOOD ZONE MAP      |            |         |          |                |         |           |
| BY  | CHKD       | COUL    | APP      | DATE           | BY      | CHKD      |
| ANR   | RBL        |         |          |                |         |           |
| SCALE   | 1" = 1000' | PROJECT | 10227    | DRAWING NUMBER | H-15313 | REV       |
|   |            |         |          |                | 1       | FINAL     |



Filed and Recorded in Plat Book No. 19 of 18  
This Day of May, 2003  
Clark



| Course                     | Bearing      | Distance |
|----------------------------|--------------|----------|
| CHORDS ALONG LEFT TOP BANK |              |          |
| (L) HAS BEEN DELETED       |              |          |
| L2                         | N 87°34'43"E | 297.22   |
| L3                         | N 71°34'28"E | 217.50   |
| L4                         | N 56°17'48"E | 191.67   |
| L5                         | N 43°30'00"E | 205.81   |
| L6                         | N 44°41'48"E | 271.01   |
| L7                         | N 33°30'01"E | 301.34   |
| L8                         | N 31°01'57"E | 260.68   |
| L9                         | N 33°50'01"E | 213.50   |
| L10                        | N 26°38'48"E | 213.50   |
| L11                        | N 51°50'56"E | 137.60   |
| L12                        | N 23°54'25"E | 251.33   |
| L13                        | N 32°47'25"E | 220.48   |
| L14                        | N 25°10'01"E | 384.59   |
| L15                        | N 22°45'08"E | 263.63   |
| L16                        | N 20°52'42"E | 65.34    |
| L17                        | N 17°10'01"E | 491.41   |
| L18                        | N 52°20'51"E | 172.35   |
| L19                        | N 65°20'24"E | 210.19   |
| L20                        | N 82°08'45"E | 249.30   |
| L21                        | N 75°38'00"E | 311.70   |
| L22                        | S 69°44'48"E | 132.57   |
| L23                        | S 66°24'56"E | 452.84   |
| L24                        | S 66°24'56"E | 173.98   |
| L25                        | S 45°26'46"E | 316.89   |
| L26                        | S 49°13'44"E | 181.40   |
| L27                        | S 36°59'45"E | 314.98   |
| L28                        | S 33°58'44"E | 298.78   |
| L29                        | S 29°14'14"E | 380.10   |
| L30                        | S 31°31'27"E | 368.21   |
| L31                        | S 34°08'16"E | 159.00   |
| L32                        | S 28°03'05"E | 471.04   |
| L33                        | S 24°01'01"E | 529.28   |
| L34                        | S 17°23'34"W | 382.01   |
| L35                        | S 14°07'27"W | 360.99   |
| L36                        | S 12°45'58"W | 278.11   |
| L37                        | S 11°34'49"W | 311.31   |



MONUMENTATION LEGEND

- Circle with dot: Right Iron Pin Set
- Circle with cross: Right Iron Pin Found
- Circle with asterisk: Right Monument Set
- Square with dot: Right Monument Found
- Triangle: Right Unmonumented Point
- Circle with 'X': W 1/2 of Site

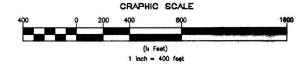
PLAT ABBREVIATIONS

- RP - Iron Pin Found
- R/P - 1/2" Iron Pin
- CMF - Concrete Monument Found
- IPF - Iron Pin Found
- OTF - Open Top Pipe
- CFP - Chain Link Fence
- CL - Concrete Line
- AL - Aluminum Line
- R/W - Right of Way
- CL - Centerline
- V/L - Ventilation Line
- W/L - Wire of Fencing
- DL - Dred Bank
- RF - Right of Way
- MF - Map File No.
- GPC - Georgia Power Company

UTILITY LEGEND

- TOWER: Power Tower
- PP: Power Pole
- 832: Land Lot Number

REFERENCE:  
1. COMPOSITE MAP OF PLANT BOWEN SITE  
LAND DEPARTMENT MAP FILE NO. E-1-a.



CONTROL FROM GPC LAND DEPARTMENT  
STATE PLANE COORDINATES  
GEORGIA WEST ZONE  
N.A.D. 83

NC-5 = GPC-008-037  
NORTHING: 1503911.29  
EASTING: 2066882.49

NC-6 = GPC-008-036  
NORTHING: 1502934.49  
EASTING: 2066915.04

SURVEY CLOSURE STATEMENT

The Field Data upon which this plat is based has a closure precision of one foot in 2,000,000 feet and an angular error of 0.25 seconds per angle point, and was adjusted using LEAST SQUARES.

This plat has been calculated for closure and is found to be accurate within one foot in 2,000,000 feet.

Linear Measurement obtained using TOPCON 313  
Angular Measurement obtained using TOPCON 313  
Field Work completed: APRIL 20, 2003

1. FIELD CLOSURE: A TOPCON 313 TOTAL STATION WAS USED TO OBTAIN THE INFORMATION USED IN THE PREPARATION OF THIS PLAT. THE ANGULAR ERROR FOR THIS INSTRUMENT WAS 0.3 SECONDS PER ANGLE POINT AND THE CLOSURE ERROR WAS 1" IN 2,000,000 FEET AND WAS ADJUSTED USING LEAST SQUARES.

2. PLAT CLOSURE: THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND HAS BEEN FOUND TO HAVE A PRECISION OF CLOSURE IN EXCESS OF 1" IN 2,000,000 FEET.

3. STATE PLANE COORDINATES FROM CONTROL FURNISHED BY GEORGIA POWER COMPANY AND DEPARTMENT OF REVENUE REGARDING THE REPORTED PRECISION, SIZE, CHARACTER, AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON SHOULD BE INCORPORATED INTO LOCATION SERVICES UNDERGROUND UTILITIES BEFORE ANY EXCAVATION.

4. FIELD WORK SHOULD BE BASED ON CENTERLINES OF EXISTING PATHS OF TRAVEL, UNLESS NOTED OTHERWISE.

5. ALL MATTERS PERTAINING TO TITLE ARE EXCEPTED.

\*\*GENERAL NOTES\*\*

SURVEY FOR:  
GEORGIA POWER COMPANY, ATLANTA, GA.  
LAND DEPARTMENT

LOCATED IN THE FOLLOWING LAND LOTS IN THE 17TH DISTRICT:  
685, 686, 687, 754, 755, 756, 757, 758, 759, 760, 825, 826, 827, 828, 830, 831, 832

AND THE FOLLOWING LAND LOTS IN THE 4TH DISTRICT:  
721, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

IN THE 3rd SECTION  
BARTOW COUNTY, GEORGIA

DATE OF SURVEY: APRIL 22-30, 2003  
DATE OF PLAT: MAY 1, 2003  
DATE OF REVISION: APRIL 7, 2005

BY:  
RHODES ENGINEERING SERVICES, INC.  
845 HENDERSON DRIVE, SUITE 2  
CARTERSVILLE, GEORGIA 30120  
PHONE: (770)386-7616, FAX: (770)386-7617  
E-MAIL ADDRESS: rhodeseng@yahoo.com



GEORGIA POWER CO., ATLANTA, GA.  
Land Department

PLANT BOWEN  
COAL COMBUSTION BY-PRODUCT STORAGE FACILITY  
BARTOW COUNTY, GEORGIA

APPROVALS

| DATE    | BY            | FOR                              |
|---------|---------------|----------------------------------|
| 4/20/03 | KEITH STEVENS | REGISTERED PROFESSIONAL ENGINEER |
| 4/20/03 | KEITH STEVENS | REGISTERED PROFESSIONAL ENGINEER |

SCALE: 1" = 400'

DATE: MAY 1, 2003

DRAWING NUMBER: H-690-6 - 10

All that parcel of land lying and being in Bartow County, Georgia in Land Lots 685, 686, 687, 754, 755, 756, 757, 758, 759, 760, 825, 826, 827, 828, 830, 831 and 832 of the 17th District and Land Lots 721, 729, 730, and 733 of the 4th District - 3rd Section containing 504.10 acres, more or less and being more particularly described as follows:

Beginning at a 2" open top pipe at the Land Lot corner common to Land Lots 827, 828, 829 and 830 and from said POINT OF BEGINNING thence, south 87° 56' 07" west for a distance of 329.37 feet to an iron pin. Thence south 58° 07' 28" west for a distance of 1871.57 feet to an iron pin. Thence north 89° 18' 04" east for a distance of 848.11 feet to an iron pin. Thence, north 68° 02' 27" west for a distance of 280.25 feet to an iron pin. Thence, north 54° 26' 45" west for a distance of 753.25 feet to an iron pin. Thence, north 11° 34' 02" east for a distance of 646.55 feet to an iron pin. Thence, north 10° 37' 25" west for a distance of 722.96 feet to an iron pin. Thence, north 04° 24' 06" east for a distance of 1130.09 feet to a point on a line at the top bank of the Etowah River. Thence running along the top bank of the Etowah River the following courses and distances:

north 83° 45' 43" east for a distance of 297.92 feet, north 71° 34' 28" east for a distance of 217.50 feet, north 56° 17' 48" east for a distance of 191.67 feet, north 43° 30' 01" east for a distance of 205.90 feet, north 44° 11' 48" east for a distance of 271.01 feet, north 33° 30' 01" east for a distance of 301.34 feet, north 31° 01' 57" east for a distance of 260.68 feet, north 33° 50' 01" east for a distance of 213.50 feet, north 26° 38' 48" east for a distance of 213.50 feet, north 51° 50' 56" east for a distance of 137.60 feet, north 23° 54' 25" east for a distance of 251.33 feet, north 32° 47' 25" east for a distance of 220.48 feet, north 25° 10' 01" east for a distance of 384.59 feet, north 22° 45' 08" east for a distance of 263.63 feet, north 20° 52' 42" east for a distance of 65.34 feet, north 17° 10' 01" east for a distance of 491.41 feet, north 10° 37' 25" east for a distance of 172.35 feet, north 6° 25' 25" east for a distance of 210.19 feet, north 82° 08' 45" east for a distance of 249.30 feet, north 75° 38' 00" east for a distance of 311.70 feet, south 69° 44' 48" east for a distance of 132.57 feet, south 66° 24' 56" east for a distance of 452.84 feet, south 66° 24' 56" east for a distance of 173.98 feet, south 45° 26' 46" east for a distance of 316.89 feet, south 49° 13' 44" east for a distance of 181.40 feet, south 36° 59' 45" east for a distance of 314.98 feet, south 33° 58' 44" east for a distance of 298.78 feet, south 29° 14' 14" east for a distance of 380.10 feet, south 31° 31' 27" east for a distance of 368.21 feet, south 34° 08' 16" east for a distance of 159.00 feet, south 28° 03' 05" east for a distance of 471.04 feet, south 24° 01' 01" east for a distance of 529.28 feet, south 17° 23' 34" west for a distance of 382.01 feet, south 14° 07' 27" west for a distance of 360.99 feet, south 12° 45' 58" west for a distance of 278.11 feet, south 11° 34' 49" west for a distance of 311.31 feet to an iron pin. Thence from said pin, south 58° 07' 28" west for a distance of 1525.68 feet to an iron pin. Thence south 87° 56' 07" west for a distance of 274.09 feet to the POINT OF BEGINNING.

THIS DRAWING WAS COMPILED FROM INFORMATION PROVIDED BY THE LAND ENGINEERING DEPARTMENT OF GEORGIA POWER COMPANY.

| REVISION          | DATE      |
|-------------------|-----------|
| 0                 | 8/25/2002 |
| ISSUED FOR PERMIT |           |

Southern Company Generation  
FOR  
GEORGIA POWER COMPANY

| BY  | DATE | CHK | APP | ELCT | APP | LC | APP | MECH | APP | PIPE | APP | SCALE    | PROJ. NO. | DRAWING NUMBER | NO. | CON'TS. | REV. |
|-----|------|-----|-----|------|-----|----|-----|------|-----|------|-----|----------|-----------|----------------|-----|---------|------|
| ANR | RBL  |     |     |      |     |    |     |      |     |      |     | AS SHOWN | 12027     | H-15314        | 1   | FINAL   | 0    |

| CELL 1      |          |         |             |
|-------------|----------|---------|-------------|
| Drain #     | Northing | Easting | Inlet Elev. |
| LP101       | 1502657  | 2072978 | 723.2       |
| LP102       | 1503561  | 2073248 | 723.1       |
| LP103       | 1503107  | 2073503 | 722.6       |
| LP104       | 1502992  | 2073534 | 723.0       |
| LP105       | 1502711  | 2072987 | 722.0       |
| LP106       | 1503387  | 2072589 | 742.3       |
| LP107       | 1503614  | 2073104 | 743.1       |
| LP108       | 1503344  | 2073670 | 742.9       |
| LP109       | 1503093  | 2073344 | 743.6       |
| LP110       | 1502857  | 2073020 | 742.6       |
| LP111       | 1503449  | 2072962 | 762.8       |
| LP112       | 1503189  | 2073246 | 762.7       |
| LP113       | 1502957  | 2072982 | 763.2       |
| LP114       | 1503264  | 2072773 | 782.8       |
| LP115       | 1503282  | 2073063 | 783.6       |
| LP116       | 1503264  | 2072773 | 783.4       |
| LP117       | 1503262  | 2073063 | 803.0       |
| LP118       | 1503205  | 2072985 | 803.5       |
| LP119       | 1503051  | 2072827 | 803.4       |
| High Points | Northing | Easting | Elev.       |
| HP101       | 1503558  | 2072788 | 724.0       |
| HP102       | 1503734  | 2073141 | 724.0       |
| HP103       | 1503380  | 2073363 | 724.0       |
| HP104       | 1503020  | 2073396 | 724.0       |
| HP105       | 1502787  | 2073076 | 724.0       |
| HP106       | 1503355  | 2072528 | 744.0       |
| HP107       | 1503536  | 2072920 | 744.0       |
| HP108       | 1503491  | 2073185 | 744.0       |
| HP109       | 1503133  | 2073385 | 744.0       |
| HP110       | 1503040  | 2073271 | 744.0       |
| HP111       | 1503061  | 2073249 | 744.0       |
| HP112       | 1503355  | 2072722 | 764.0       |
| HP113       | 1503430  | 2073120 | 764.0       |
| HP114       | 1503411  | 2073098 | 764.0       |
| HP115       | 1503025  | 2073046 | 764.0       |
| HP116       | 1503366  | 2073008 | 784.0       |
| HP117       | 1503190  | 2073108 | 784.0       |
| HP118       | 1502990  | 2072894 | 804.0       |
| HP119       | 1503148  | 2072777 | 804.0       |
| HP120       | 1503243  | 2072982 | 804.0       |
| HP121       | 1503132  | 2072987 | 804.0       |

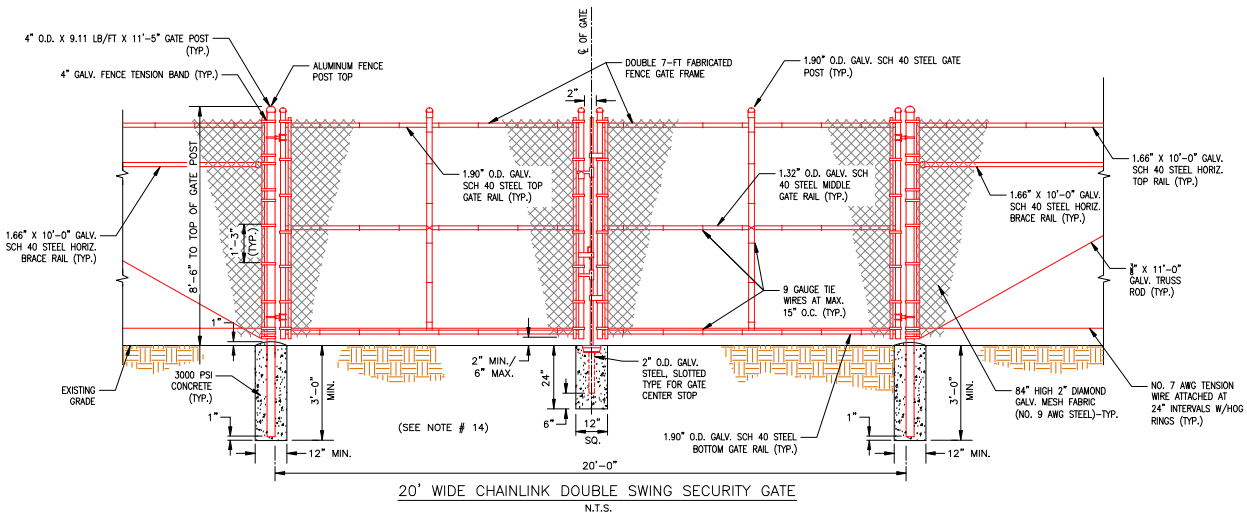
| CELL 2     |          |         |             |
|------------|----------|---------|-------------|
| Drain #    | Northing | Easting | Inlet Elev. |
| LP201      | 1503307  | 2072457 | 742.3       |
| LP202      | 1503536  | 2072630 | 742.1       |
| LP203      | 1503703  | 2072859 | 743.4       |
| LP204      | 1503286  | 2072653 | 763.1       |
| LP205      | 1503146  | 2072322 | 762.8       |
| LP206      | 1502968  | 2071946 | 762.9       |
| LP207      | 1502570  | 207195  | 762.9       |
| LP208      | 1502532  | 2072471 | 763.5       |
| LP209      | 1502697  | 2072659 | 763.3       |
| LP210      | 1503123  | 2072473 | 782.8       |
| LP211      | 1502978  | 2072129 | 783.5       |
| LP212      | 1502815  | 2072139 | 783.5       |
| LP213      | 1502574  | 2072363 | 783.0       |
| LP214      | 1502678  | 2072519 | 783.3       |
| LP215      | 1502888  | 2072757 | 783.1       |
| LP216      | 1503094  | 2072673 | 803.2       |
| LP217      | 1502927  | 2072292 | 803.8       |
| LP218      | 1502760  | 2072285 | 803.6       |
| LP219      | 1502703  | 2072400 | 802.6       |
| High Point | Northing | Easting | Elev.       |
| HP201      | 1503138  | 2072112 | 744.0       |
| HP202      | 1503202  | 2072429 | 744.0       |
| HP203      | 1503224  | 2072192 | 744.0       |
| HP204      | 1503025  | 2072752 | 744.0       |
| HP205      | 1502768  | 2071884 | 744.0       |
| HP206      | 1502957  | 2072087 | 764.0       |
| HP207      | 1502764  | 2072066 | 764.0       |
| HP208      | 1502484  | 2072375 | 764.0       |
| HP209      | 1502625  | 2072571 | 764.0       |
| HP210      | 1502799  | 2072803 | 764.0       |
| HP211      | 1503152  | 2072529 | 784.0       |
| HP212      | 1503131  | 2072550 | 784.0       |
| HP213      | 1502921  | 2073002 | 784.0       |
| HP214      | 1502921  | 2072089 | 784.0       |
| HP215      | 1502716  | 2072205 | 784.0       |
| HP216      | 1502631  | 2072454 | 784.0       |
| HP217      | 1503169  | 2072844 | 784.0       |
| HP218      | 1503045  | 2072519 | 804.0       |
| HP219      | 1502678  | 2072618 | 804.0       |
| HP220      | 1502973  | 2072192 | 804.0       |

| CELL 3     |          |         |             |
|------------|----------|---------|-------------|
| Drain #    | Northing | Easting | Inlet Elev. |
| LP301 (T)  | 1506124  | 2074344 | 709.2       |
| LP301A (T) | 1506283  | 2074509 | 709.4       |
| LP302      | 1506412  | 2074492 | 709.2       |
| LP302A     | 1506265  | 2074107 | 708.5       |
| LP303      | 1506439  | 2073675 | 725.2       |
| LP304      | 1506368  | 2073411 | 725.3       |
| LP305      | 1506226  | 2073202 | 725.1       |
| LP306 (T)  | 1506802  | 2073937 | 725.3       |
| LP308 (T)  | 1505968  | 2074111 | 725.5       |
| LP309 (T)  | 1506129  | 2074236 | 725.5       |
| LP309A (T) | 1506265  | 2074375 | 725.3       |
| LP310      | 1506381  | 2074317 | 725.0       |
| LP311      | 1506488  | 2073961 | 725.1       |
| LP312      | 1506226  | 2073335 | 745.0       |
| LP315 (T)  | 1505922  | 2073920 | 744.8       |
| LP316      | 1506352  | 2074100 | 745.2       |
| LP317      | 1506392  | 2073845 | 745.4       |
| LP318      | 1506317  | 2073564 | 745.1       |
| LP319 (T)  | 1506229  | 2074211 | 745.2       |
| LP320 (T)  | 1506250  | 2074080 | 765.4       |
| LP321      | 1506263  | 2073830 | 764.7       |
| LP323      | 1506186  | 2073425 | 765.3       |
| LP324 (T)  | 1506084  | 2073928 | 765.2       |
| High Point | Northing | Easting | Elev.       |
| HP301      | 1506529  | 2073825 | 710.0       |
| HP302      | 1506457  | 2074339 | 710.0       |
| HP303 (T)  | 1506373  | 2074582 | 710.0       |
| HP304 (T)  | 1506309  | 2074432 | 710.0       |
| HP305 (T)  | 1506010  | 2074227 | 710.0       |
| HP306 (T)  | 1505901  | 2074041 | 726.0       |
| HP307      | 1506138  | 2073105 | 726.0       |
| HP312      | 1506347  | 2073337 | 726.0       |
| HP315      | 1506404  | 2073543 | 726.0       |
| HP314      | 1506481  | 2073831 | 726.0       |
| HP315      | 1506437  | 2074127 | 726.0       |
| HP316 (T)  | 1506336  | 2074429 | 726.0       |
| HP317 (T)  | 1506182  | 2074271 | 726.0       |
| HP318 (T)  | 1506041  | 2074188 | 726.0       |
| HP319 (T)  | 1506100  | 2074119 | 746.0       |
| HP320 (T)  | 1506290  | 2074255 | 746.0       |
| HP321      | 1506392  | 2073961 | 746.0       |
| HP322      | 1506360  | 2073725 | 746.0       |
| HP323      | 1506266  | 2073382 | 746.0       |
| HP327 (T)  | 1506118  | 2074095 | 746.0       |
| HP328 (T)  | 1506179  | 2074025 | 746.0       |
| HP329      | 1506298  | 2073961 | 766.0       |
| HP330      | 1506195  | 2073574 | 766.0       |
| HP331      | 1506222  | 2073562 | 766.0       |

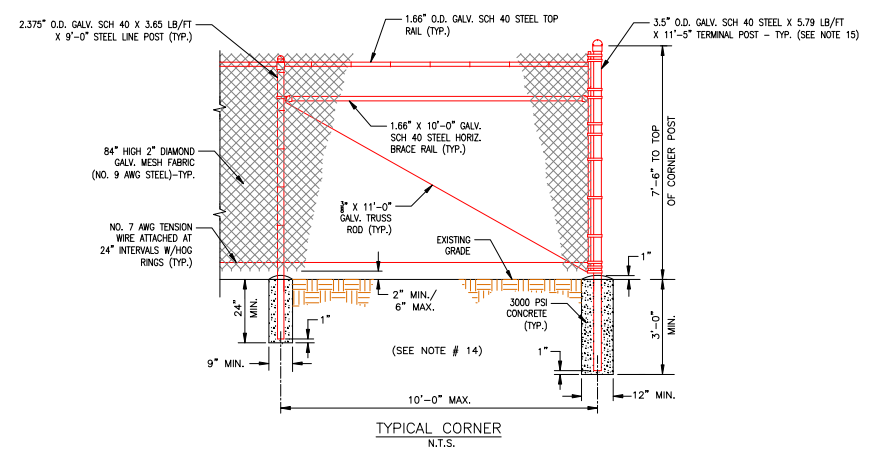
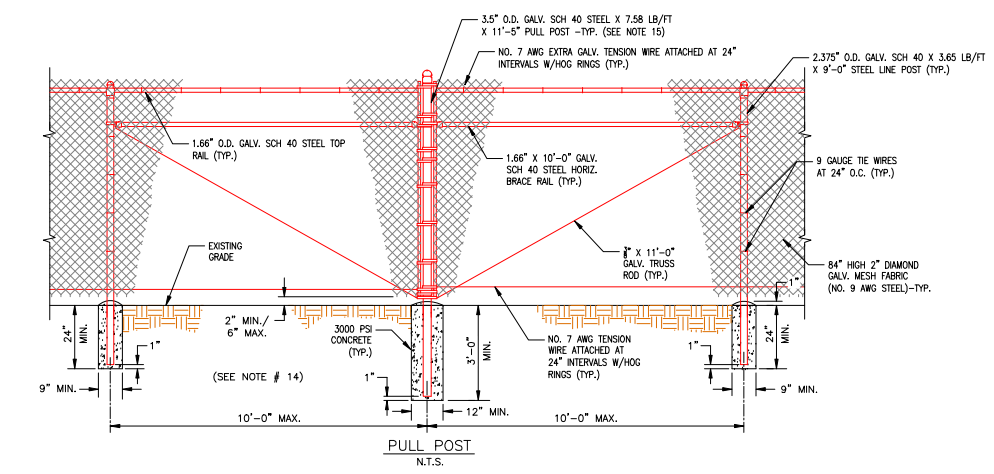
| CELL 4     |          |         |             |
|------------|----------|---------|-------------|
| Drain #    | Northing | Easting | Inlet Elev. |
| LP401      | 1506151  | 2073756 | 785.5       |
| LP402      | 1506037  | 2073396 | 785.0       |
| LP403      | 1505866  | 2073183 | 785.1       |
| LP404      | 1505858  | 2073370 | 785.3       |
| LP405 (T)  | 1505716  | 2073520 | 785.1       |
| LP406 (T)  | 1506009  | 2073718 | 785.1       |
| LP407      | 1506014  | 2073192 | 785.2       |
| LP408      | 1505803  | 2073034 | 785.5       |
| LP409      | 1505723  | 2073160 | 785.0       |
| LP410 (T)  | 1505535  | 2073445 | 744.8       |
| LP411 (T)  | 1505870  | 2073704 | 745.1       |
| LP412      | 1505596  | 2073045 | 744.8       |
| LP413      | 1505689  | 2073018 | 744.5       |
| LP414      | 1505451  | 2073381 | 744.8       |
| LP415 (T)  | 1505584  | 2073029 | 744.8       |
| LP416      | 1505783  | 2072787 | 724.8       |
| LP417      | 1505561  | 2073025 | 725.5       |
| LP418      | 1505410  | 2073197 | 725.0       |
| LP419 (T)  | 1505345  | 2073569 | 724.9       |
| LP420 (T)  | 1505657  | 2073807 | 725.2       |
| High Point | Northing | Easting | Elev.       |
| HP401 (T)  | 1506144  | 2073837 | 786.0       |
| HP402      | 1506100  | 2073585 | 786.0       |
| HP403      | 1505837  | 2073243 | 786.0       |
| HP404      | 1505771  | 2073282 | 786.0       |
| HP405      | 1505742  | 2073275 | 786.0       |
| HP406      | 1505639  | 2073409 | 786.0       |
| HP407 (T)  | 1505880  | 2073599 | 786.0       |
| HP408      | 1505699  | 2073329 | 786.0       |
| HP409      | 1505696  | 2073079 | 786.0       |
| HP410      | 1505765  | 2073067 | 786.0       |
| HP411      | 1505588  | 2073313 | 766.0       |
| HP412 (T)  | 1505716  | 2073590 | 766.0       |
| HP413 (T)  | 1505701  | 2073817 | 766.0       |
| HP414 (T)  | 1505842  | 2073779 | 766.0       |
| HP415      | 1506089  | 2073142 | 726.0       |
| HP416      | 1505966  | 2072937 | 726.0       |
| HP417      | 1505792  | 2072914 | 746.0       |
| HP418      | 1505516  | 2073258 | 746.0       |
| HP419      | 1505491  | 2073243 | 746.0       |
| HP420 (T)  | 1505496  | 2073571 | 746.0       |
| HP421 (T)  | 1505620  | 2073781 | 746.0       |
| HP422      | 1505617  | 2072962 | 726.0       |
| HP423      | 1505546  | 2073042 | 726.0       |
| HP424      | 1505363  | 2073364 | 726.0       |
| HP425 (T)  | 1505597  | 2073710 | 726.0       |
| HP426 (T)  | 1505744  | 2073873 | 726.0       |

| CELL 5     |          |         |             |
|------------|----------|---------|-------------|
| Drain #    | Northing | Easting | Inlet Elev. |
| LP501 (T)  | 1505771  | 2074664 | 785.2       |
| LP504      | 1505946  | 2074563 | 785.1       |
| LP505      | 1506135  | 2074202 | 784.7       |
| LP506      | 1505918  | 2074677 | 784.9       |
| LP506 (T)  | 1505839  | 2074199 | 784.8       |
| LP510      | 1506146  | 2074483 | 764.7       |
| LP511      | 1506254  | 2074118 | 765.2       |
| LP516 (T)  | 1505731  | 2074848 | 744.7       |
| LP517      | 1505956  | 2074816 | 745.2       |
| LP518      | 1506117  | 2074645 | 745.2       |
| LP519      | 1506272  | 2074366 | 744.9       |
| LP524 (T)  | 1505494  | 2074857 | 725.0       |
| LP525 (T)  | 1505772  | 2074974 | 725.4       |
| LP526      | 1505944  | 2074958 | 725.4       |
| LP527      | 1506106  | 2074788 | 725.4       |
| LP528      | 1506306  | 2074575 | 725.0       |
| LP529 (T)  | 1505675  | 2075011 | 709.1       |
| LP530      | 1505699  | 2075116 | 709.1       |
| LP531      | 1506104  | 2074863 | 709.2       |
| LP532      | 1506268  | 2074728 | 709.2       |
| High Point | Northing | Easting | Elev.       |
| HP505 (T)  | 1505923  | 2074683 | 786.0       |
| HP506      | 1506085  | 2074436 | 786.0       |
| HP507      | 1506204  | 2073980 | 786.0       |
| HP510 (T)  | 1506730  | 2074745 | 766.0       |
| HP511      | 1506352  | 2074623 | 766.0       |
| HP512      | 1506220  | 2074238 | 766.0       |
| HP516 (T)  | 1505491  | 2074748 | 746.0       |
| HP517      | 1505852  | 2074740 | 746.0       |
| HP518      | 1506059  | 2074706 | 746.0       |
| HP519      | 1506229  | 2074503 | 746.0       |
| HP520      | 1506339  | 2074741 | 746.0       |
| HP525 (T)  | 1505684  | 2074927 | 726.0       |
| HP526 (T)  | 1505813  | 2075074 | 726.0       |
| HP527      | 1506002  | 2074876 | 726.0       |
| HP528      | 1506183  | 2074705 | 726.0       |
| HP529      | 1506363  | 2074387 | 726.0       |
| HP530 (T)  | 1506354  | 2074920 | 710.0       |
| HP531 (T)  | 1506731  | 2075041 | 710.0       |
| HP532      | 1505992  | 2075002 | 710.0       |
| HP533      | 1506158  | 2074834 | 710.0       |
| HP534      | 1506365  | 2074623 | 710.0       |

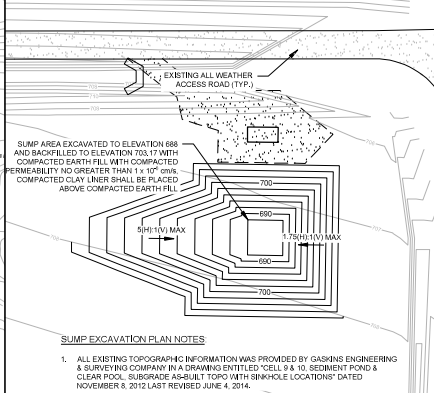
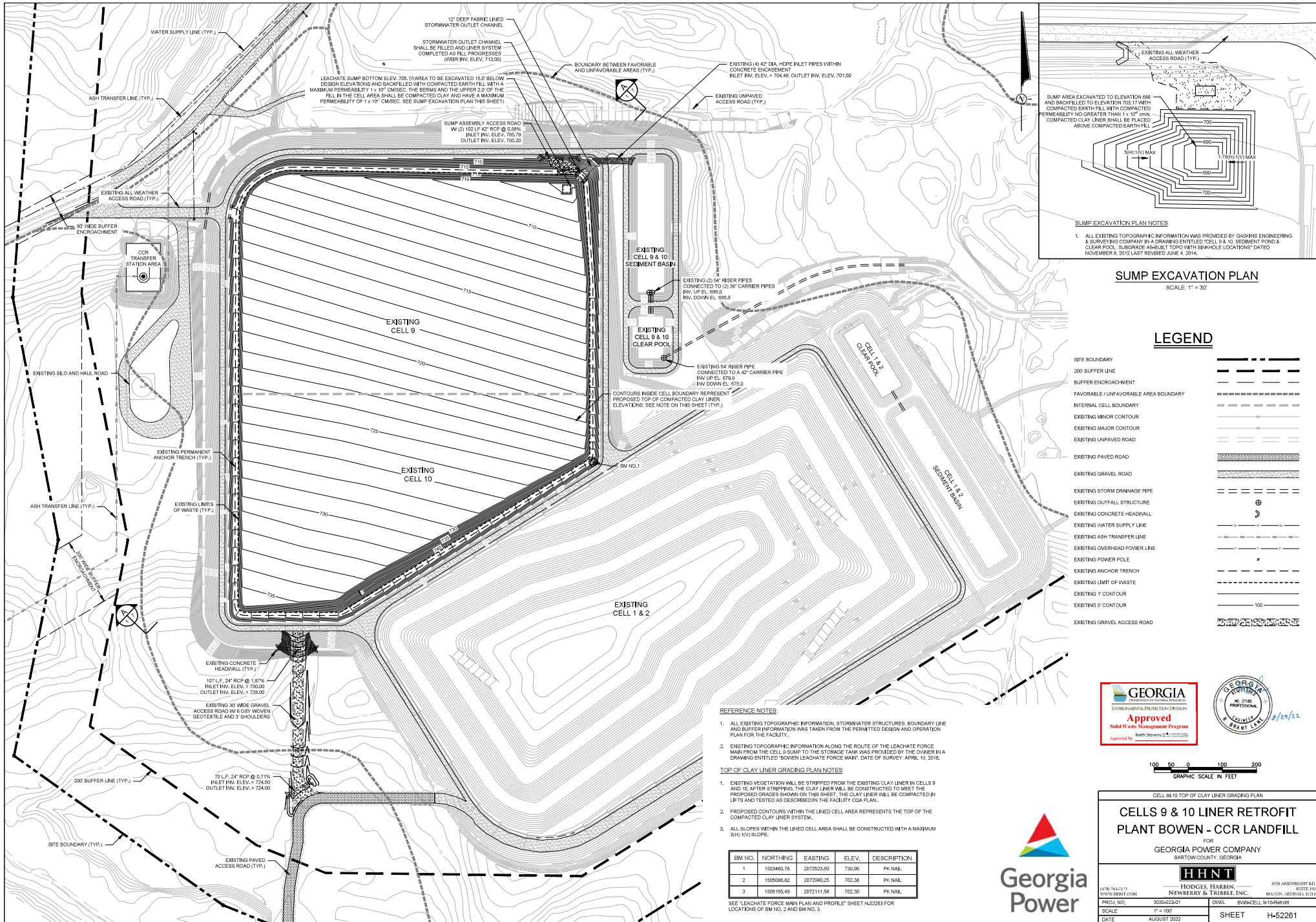
| CELL 6    |          |         |             |
|-----------|----------|---------|-------------|
| Drain #   | Northing | Easting | Inlet Elev. |
| LP601     | 1505742  | 2075038 | 744.8       |
| LP602     | 1505689  | 2073503 | 804.8       |
| LP603     | 1505684  | 2073742 | 805.2       |
| LP604     | 1505887  | 2073969 | 805.0       |
| LP605     | 1505634  | 2074429 | 784.3       |
| LP606 (T) | 1505867  | 2074505 | 805.3       |
| LP607     | 1505885  | 2074392 | 804.7       |
| LP608     | 1506110  | 2073954 | 806.0       |
| LP609     | 1505929  | 2073451 | 746.0       |
| LP610     | 1505462  | 2074021 | 784.4       |
| LP611     | 1505209  | 2074236 | 785.5       |
| LP612 (T) | 1506237  | 2074377 | 785.5       |
| LP613 (T) | 1505457  | 2074526 | 784.1       |
| LP614     | 1505539  | 2073469 | 764.3       |
| LP615     | 1505399  | 2073878 | 765.3       |
| LP616     | 1505240  | 2074086 | 765.3       |
| LP617 (T) | 1505036  | 2074361 | 764.9       |
| LP618 (T) | 1505687  | 2073959 | 765.3       |
| LP619 (T) | 1505542  | 2074642 | 764.9       |
| LP620     | 1505380  | 2073500 | 745.0       |
| LP621     | 1505275  | 2073928 | 745.3       |
| LP622     | 1505075  | 2074113 | 745.3       |
| LP623     | 1504984  | 2074267 | 745.3       |
| LP624 (T) | 1505128  | 2074521 | 744.9       |
| LP625 (T) | 1505352  | 207447  |             |



- NOTES:**
- FENCE MATERIALS AND ERECTION SHALL BE IN ACCORDANCE WITH THE SOUTHERN COMPANY GENERAL PROVISIONS FOR CHAIN LINK FENCE SPECIFICATION 32 31 13.
  - TIE FENCE FABRIC TO SPIRALED TENSION WIRE BETWEEN POSTS WITH GALVANIZED STEEL HOG RINGS TOP AND BOTTOM AT INTERVALS OF TWO FEET.
  - LIMIT TENSION IN FABRIC AND WIRE TO PREVENT BENDING OF GATE POSTS AND CORNER POSTS.
  - WHEN GATE PANEL IS INSTALLED ON A CORNER POST, THE LATCH SHOULD BE INSTALLED ON THE OPPOSITE PANEL.
  - PULL POSTS WILL BE INSTALLED AT APPROXIMATELY MID-SPAN WHERE SPACING BETWEEN CORNER POSTS OR TERMINAL POSTS EXCEEDS 100 FEET TO PROVIDE FENCE GROUNDING POINT PER NECO, OR WHERE IT IS NECESSARY TO TERMINATE THE FENCE DUE TO A CHANGE IN GRADE. MATERIAL FOR PULL POSTS TO BE SAME AS CORNER POSTS.
  - HINGE TO BE INSTALLED WITH GALVANIZED STEEL BOLT WITH TWO NUTS OR A PREFERRED SELF-LOCKING TYPE NUT TO LOCK BOLT IN PLACE.
  - CHAIN FOR GATE TO BE ONE PIECE, 3/4" GALVANIZED STEEL, WELDED, SIZE 5/0, INSERTED BETWEEN GATE FRAME AND TENSION BAR, SUCH THAT A TIGHT FIT IS OBTAINED WITH LOCK INSTALLED FROM OUTSIDE GATE. EXCESS LINKS SHOULD BE REMOVED.
  - FENCE FABRIC TO BE INSTALLED WITH TWIST SELVAGES AT BOTTOM.
  - GATE HINGE TO BE INSTALLED FOR 1/4" OR LESS GAP BETWEEN GATE POST AND FRAME TO PREVENT ACCESS WHEN CLOSED AND TO ALLOW APPROX. 180-DEGREES INWARD OPENING.
  - GATE KEEPER TO BE INSTALLED FOR EACH PANEL OF DOUBLE GATES AT MAXIMUM OPEN POSITION.
  - TRUSS RODS ARE NOT REQUIRED WHEN ONLY ONE LINE POST IS IN A CONTINUOUS SPAN OF FABRIC.
  - BOTTOM OF CHAIN LINK FABRIC TO BE INSTALLED A MINIMUM OF 2" TO A MAXIMUM OF 6" ABOVE FINISHED GRADE.
  - USE 3/8" O.D. X 11'-5" POST FOR CORNER AND PULL POSTS REQUIRING BARBED WIRE TO BE HELD BY 45-DEGREE ARMS, CUT 12" OFF POST FOR A HEIGHT OF 10'-5".
  - DOUBLE DRIVE GATES TO BE INSTALLED TO MINIMIZE OPENING TO 2" MAXIMUM. (CHAIN SHOULD NOT BE SLACK.)
  - CONCRETE TO BE POURED WITH A 1" DOME TO PREVENT PUDDLING NEAR POST.



|  |                 |                       |                 |
|--|-----------------|-----------------------|-----------------|
| Southern Company Generation<br>FOR                             |                 | GEORGIA POWER COMPANY |                 |
| PLANT BOWEN<br>CCB DISPOSAL FACILITY<br>FENCE AND GATE DETAILS |                 |                       |                 |
| REVISION: 0  | DATE: 8/25/2022 |                       |                 |
| ISSUED FOR PERMIT  |                 |                       |                 |
| BY: ANR  | CHKD: RBL       | SCALE: NONE           | PROJ. NO: 10207 |
| DRAWING NUMBER: H-52260  |                 | SH: 1                 | CONF: 0         |



**SUMP EXCAVATION PLAN**  
SCALE: 1" = 30'

**LEGEND**

|                                       |     |
|---------------------------------------|-----|
| SITE BOUNDARY                         | --- |
| 200' BUFFER LINE                      | --- |
| BUFFER ENCROACHMENT                   | --- |
| FAVORABLE / UNFAVORABLE AREA BOUNDARY | --- |
| INTERNAL CELL BOUNDARY                | --- |
| EXISTING MINOR CONTOUR                | --- |
| EXISTING MAJOR CONTOUR                | --- |
| EXISTING UNPAVED ROAD                 | --- |
| EXISTING PAVED ROAD                   | --- |
| EXISTING GRAVEL ROAD                  | --- |
| EXISTING STORM DRAINAGE PIPE          | --- |
| EXISTING OUTFALL STRUCTURE            | --- |
| EXISTING CONCRETE HEADWALL            | --- |
| EXISTING WATER SUPPLY LINE            | --- |
| EXISTING ASH TRANSFER LINE            | --- |
| EXISTING OVERHEAD POWER LINE          | --- |
| EXISTING POWER POLE                   | --- |
| EXISTING ANCHOR TRENCH                | --- |
| EXISTING LIMIT OF WASTE               | --- |
| EXISTING 1' CONTOUR                   | --- |
| EXISTING 5' CONTOUR                   | --- |
| EXISTING GRAVEL ACCESS ROAD           | --- |

**REFERENCE NOTES**

- ALL EXISTING TOPOGRAPHIC INFORMATION, STORMWATER STRUCTURES, BOUNDARY LINE AND BUFFER INFORMATION WAS TAKEN FROM THE PERMITTED DESIGN AND OPERATION PLAN FOR THE FACILITY.
- EXISTING TOPOGRAPHIC INFORMATION ALONG THE ROUTE OF THE LEACHATE FORCE MAIN FROM THE CELL 9 SUMP TO THE STORAGE TANK WAS PROVIDED BY THE OWNER IN A DRAWING ENTITLED "BOWEN LEACHATE FORCE MAIN", DATE OF SURVEY: APRIL 10, 2016.

**TOP OF CLAY LINER GRADING PLAN NOTES:**

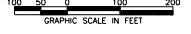
- EXISTING VEGETATION WILL BE STRIPPED FROM THE EXISTING CLAY LINER IN CELLS 9 AND 10. AFTER STRIPPING, THE CLAY LINER WILL BE CONSTRUCTED TO MEET THE PROPOSED GRADES SHOWN ON THIS SHEET. THE CLAY LINER WILL BE COMPACTED IN LIFTS AND TESTED AS DESCRIBED IN THE FACILITY COA PLAN.
- PROPOSED CONTOURS WITHIN THE LINED CELL AREA REPRESENTS THE TOP OF THE COMPACTED CLAY LINER SYSTEM.
- ALL SLOPES WITHIN THE LINED CELL AREA SHALL BE CONSTRUCTED WITH A MAXIMUM 3:1 (H:V) SLOPE.

| BM NO. | NORTHING   | EASTING    | ELEV.  | DESCRIPTION |
|--------|------------|------------|--------|-------------|
| 1      | 1503465.76 | 2072523.60 | 730.90 | PK NAIL     |
| 2      | 1505086.82 | 2072040.25 | 702.38 | PK NAIL     |
| 3      | 1505155.49 | 2072111.58 | 702.30 | PK NAIL     |

SEE "LEACHATE FORCE MAIN PLAN AND PROFILE" SHEET H-52283 FOR LOCATIONS OF BM NO. 2 AND BM NO. 3

**GEORGIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Approved  
Solid Waste Management Program  
Approved By: Keith Stevens

Professional Engineer  
No. 1716  
Environmental Engineering  
Grant Line



CELL 9 & 10 TOP OF CLAY LINER GRADING PLAN

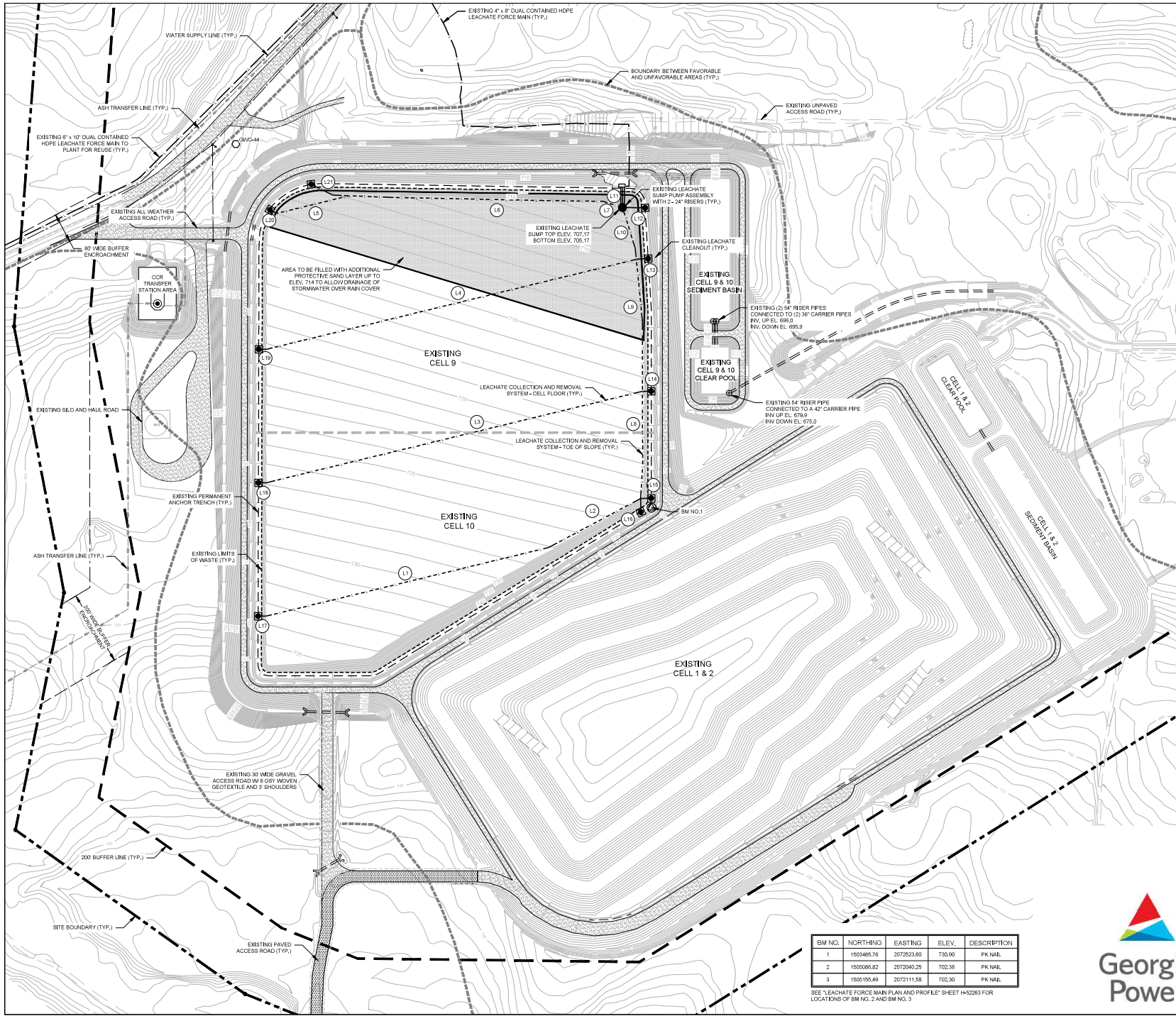
**CELLS 9 & 10 LINER RETROFIT  
PLANT BOWEN - CCR LANDFILL**

FOR  
GEORGIA POWER COMPANY  
BARTOW COUNTY, GEORGIA

**HHNT**  
HODGES, HARRIN,  
NEWBERRY & TRIBBLE, INC.

3109 ARBORVIGORIST RD. SUITE 100  
MADISON, GEORGIA 30329

PROJ. NO. 3000-22-021 DWG. BWH-CELL 9-10-Retrofit  
SCALE 1" = 100' SHEET H-52261  
DATE AUGUST 2022



**LEACHATE COLLECTION SYSTEM**

| PIPE NO. | LEACHATE PIPE       |                     |              |
|----------|---------------------|---------------------|--------------|
|          | SOLID PIPE DIAMETER | PERFORATED PIPE CL. |              |
| L1       | 24"                 | -                   | 778 @ 0.35%  |
| L2       | -                   | -                   | 277 @ 1.35%  |
| L3       | -                   | -                   | 1033 @ 0.99% |
| L4       | -                   | -                   | 1016 @ 1.57% |
| L5       | -                   | -                   | 199 @ 1.11%  |
| L6       | -                   | -                   | 722 @ 0.53%  |
| L7       | -                   | -                   | 34 @ 2.45%   |
| L8       | -                   | -                   | 288 @ 2.39%  |
| L9       | -                   | -                   | 332 @ 1.94%  |
| L10      | -                   | -                   | 144 @ 1.62%  |
| L11      | 57"                 | 39"                 | (2) 07"      |
| L12      | -                   | -                   | 95'          |
| L13      | -                   | -                   | 31'          |
| L14      | -                   | -                   | 23'          |
| L15      | -                   | -                   | 28'          |
| L16      | -                   | -                   | 37'          |
| L17      | -                   | -                   | 21'          |
| L18      | -                   | -                   | 21'          |
| L19      | -                   | -                   | 21'          |
| L20      | -                   | -                   | 20'          |
| L21      | -                   | -                   | 65'          |

\*SLOPES SHOWN IN TABLE ARE THE AVERAGE PIPE SLOPES; THE ACTUAL SLOPE WILL FOLLOW THE A-S-B-(L) TOP OF CLAY GRADES

**LEGEND**

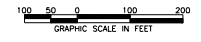
- SITE BOUNDARY
- 200' BUFFER LINE
- BUFFER ENCROACHMENT
- FAVORABLE / UNFAVORABLE AREA BOUNDARY
- INTERNAL CELL BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING STORM DRAINAGE PIPE
- EXISTING OUTFALL STRUCTURE
- EXISTING CONCRETE HEADWALL
- EXISTING WATER SUPPLY LINE
- EXISTING ASH TRANSFER LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING POWER POLE
- EXISTING ANCHOR TRENCH
- EXISTING LIMIT OF WASTE
- EXISTING SOLID LEACHATE PIPE
- EXISTING PERFORATED LEACHATE PIPE
- EXISTING LEACHATE CLEANOUT
- EXISTING LEACHATE SUMP

**REFERENCE NOTES**

- SEE TOP OF CLAY LINER GRADING PLAN, SHEET H-52261, FOR ALL REFERENCE NOTES.

**LEACHATE COLLECTION PLAN NOTES**

- ALL LEACHATE COLLECTION PIPING SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 0.35%.



| BM NO. | NORTHING   | EASTING    | ELEV.  | DESCRIPTION |
|--------|------------|------------|--------|-------------|
| 1      | 1503465.76 | 2072523.60 | 730.90 | PK N4L      |
| 2      | 1505089.82 | 2072040.25 | 702.36 | PK N4L      |
| 3      | 1505155.49 | 2072111.58 | 702.30 | PK N4L      |

SEE 'LEACHATE FORCE MAIN PLAN AND PROFILE' SHEET H-52263 FOR LOCATIONS OF BM NO. 2 AND BM NO. 3



CELL 9 & 10 LEACHATE COLLECTION PLAN

**CELLS 9 & 10 LINER RETROFIT  
PLANT BOWEN - CCR LANDFILL**

FOR  
GEORGIA POWER COMPANY  
BARTOW COUNTY, GEORGIA

4176 144-013  
WWW.HNTB.COM

PROJ. NO. 3000-22-01  
SCALE 1" = 100'  
DATE AUGUST 2022

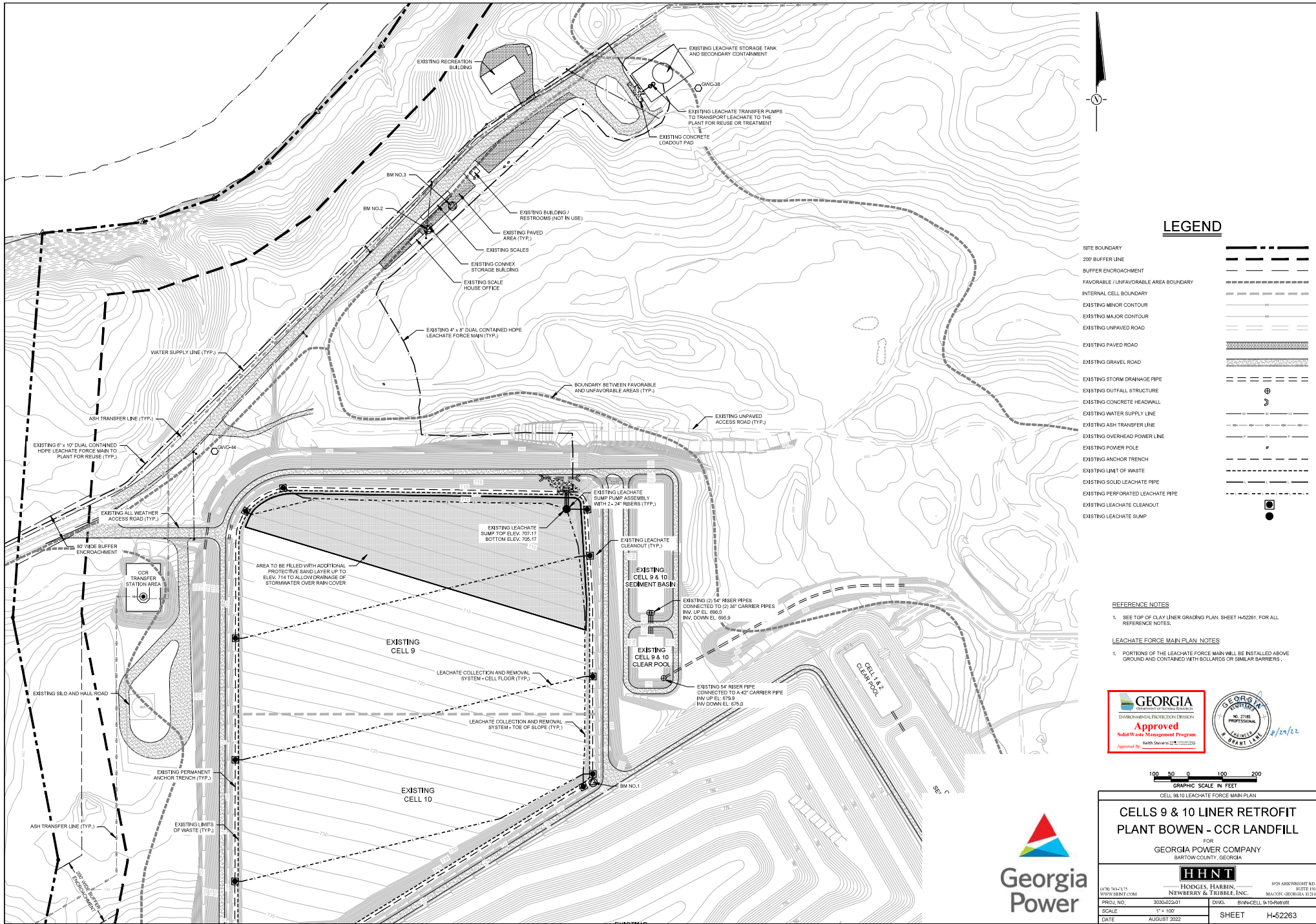
**HNTB**  
HODGES, HARRIN,  
NEWBERRY & TRIBBLE, INC.

3109 ABBOTTSBURY RD.  
SUITE 100  
MARIETTA, GEORGIA 30067

3109 ABBOTTSBURY RD.  
SUITE 100  
MARIETTA, GEORGIA 30067

DATE 8/29/22

SHEET H-52262



**LEGEND**

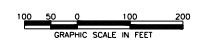
- SITE BOUNDARY
- 200' BUFFER LINE
- BUFFER ENCROACHMENT
- FAVORABLE / UNFAVORABLE AREA BOUNDARY
- INTERNAL CELL BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING STORM DRAINAGE PIPE
- EXISTING OUTFALL STRUCTURE
- EXISTING CONCRETE HEADWALL
- EXISTING WATER SUPPLY LINE
- EXISTING ASH TRANSFER LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING POWER POLE
- EXISTING ANCHOR TRENCH
- EXISTING LIMIT OF WASTE
- EXISTING SOLID LEACHATE PIPE
- EXISTING PERFORATED LEACHATE PIPE
- EXISTING LEACHATE CLEANOUT
- EXISTING LEACHATE SUMP

**REFERENCE NOTES**

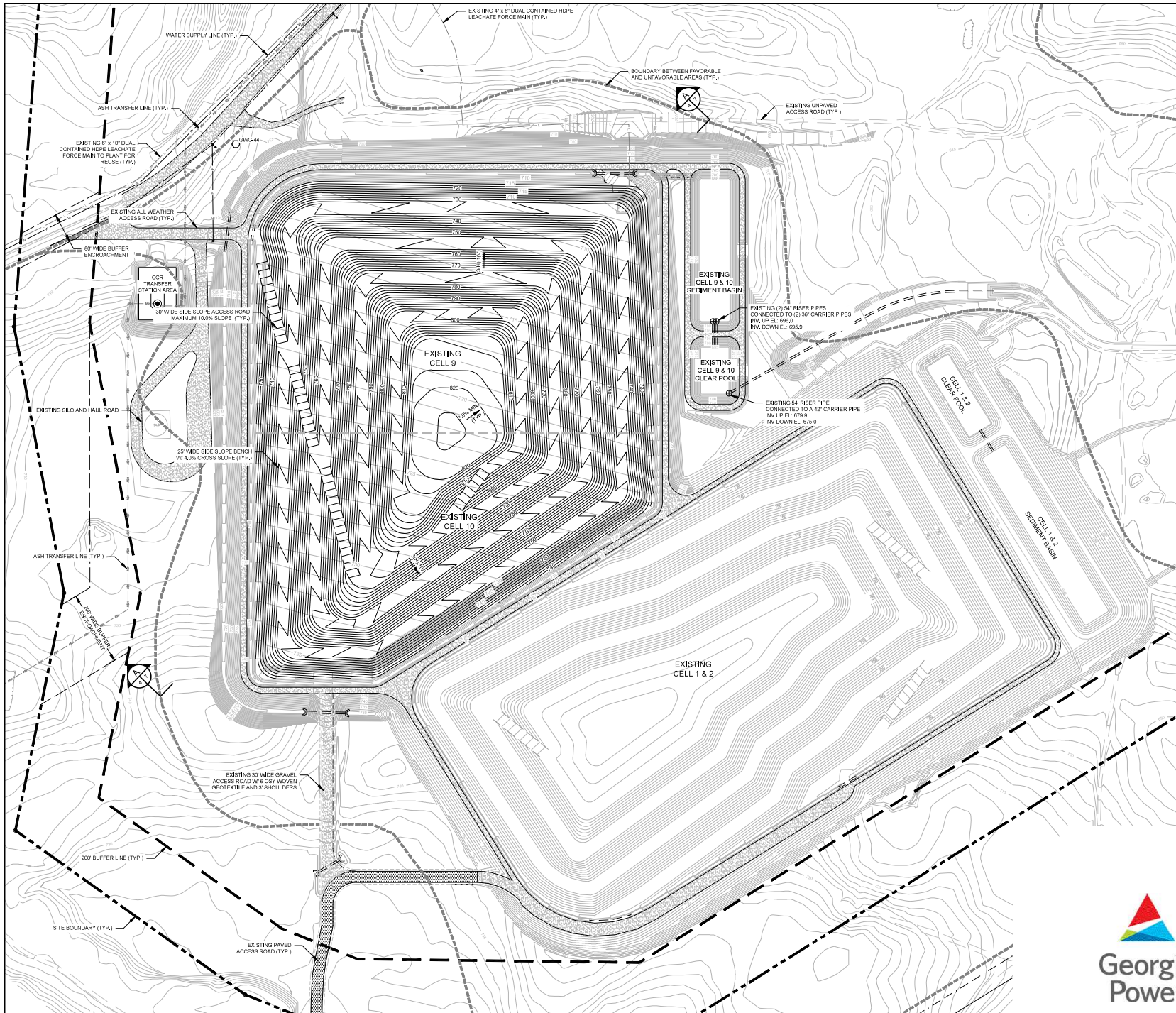
1. SEE TOP OF CLAY LINER GRADING PLAN, SHEET H-02251, FOR ALL REFERENCE NOTES.

**LEACHATE FORCE MAIN PLAN NOTES**

1. PORTIONS OF THE LEACHATE FORCE MAIN WILL BE INSTALLED ABOVE GROUND AND CONTAINED WITH BOLLARDS OR SIMILAR BARRIERS.



|   |   |
|---|---|
| CELL 9 & 10 LEACHATE FORCE MAIN PLAN                                  |   |
| <b>CELLS 9 &amp; 10 LINER RETROFIT<br/>PLANT BOWEN - CCR LANDFILL</b> |   |
| FOR<br>GEORGIA POWER COMPANY<br>BARTOW COUNTY, GEORGIA                |   |
| <b>HHNT</b><br>HODGES, HARBIN,<br>NEWBERRY & TRIBBLE, INC.            |   |
| 4780 N.W. 12 <sup>TH</sup> AVENUE, SUITE 100<br>WWW.HHNT.COM          | 3109 ARBORVIGT RD.<br>SUITE 100<br>MADISON, GEORGIA 30224 |
| PROJ. NO. 3000-22-021   | DWG. BWH-CELL 9-15-Rev01                                  |
| SCALE 1" = 100'   | SHEET H-52263   |
| DATE AUGUST 2022  |   |



**LEGEND**

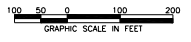
|                                       |       |
|---------------------------------------|-------|
| SITE BOUNDARY                         | ---   |
| 200' BUFFER LINE                      | ----  |
| BUFFER ENCROACHMENT                   | ----- |
| FAVORABLE / UNFAVORABLE AREA BOUNDARY | ----- |
| INTERNAL CELL BOUNDARY                | ----- |
| EXISTING MINKR CONTOUR                | ----- |
| EXISTING MAJOR CONTOUR                | ----- |
| EXISTING UNPAVED ROAD                 | ----- |
| EXISTING PAVED ROAD                   | ----- |
| EXISTING GRAVEL ROAD                  | ----- |
| EXISTING STORM DRAINAGE PIPE          | ----- |
| EXISTING OUTFALL STRUCTURE            | ----- |
| EXISTING CONCRETE HEADWALL            | ----- |
| EXISTING WATER SUPPLY LINE            | ----- |
| EXISTING ASH TRANSFER LINE            | ----- |
| EXISTING OVERHEAD POWER LINE          | ----- |
| EXISTING POWER POLE                   | ----- |
| PROPOSED 2' CONTOUR                   | ----- |
| PROPOSED 10' CONTOUR                  | ----- |
| EXISTING SOLID LEACHATE PIPE          | ----- |

**REFERENCE NOTES**

- SEE TOP OF CLAY LINER GRADING PLAN, SHEET H-52261, FOR ALL REFERENCE NOTES.

**FINAL GRADING PLAN NOTES**

- THE PROPOSED CONTOURS SHOWN WITHIN THE LANDFILL BOUNDARY REPRESENT THE TOP OF THE FINAL COVER SYSTEM.
- THE PROPOSED SIDE SLOPE FINAL GRADES SHALL HAVE A MAXIMUM SLOPE OF 3H:1V AND A MINIMUM SLOPE OF 3.0%.
- THE 25' WIDE SIDE SLOPE BENCHES SHALL BE GRADED WITH A 4.0% CROSS SLOPE GRADED INTO THE HILL TO BE UTILIZED FOR STORMWATER MANAGEMENT.
- THE 30' WIDE ACCESS ROADS ON SIDE SLOPES SHALL BE GRADED WITH A MAXIMUM 10.0% SLOPE.

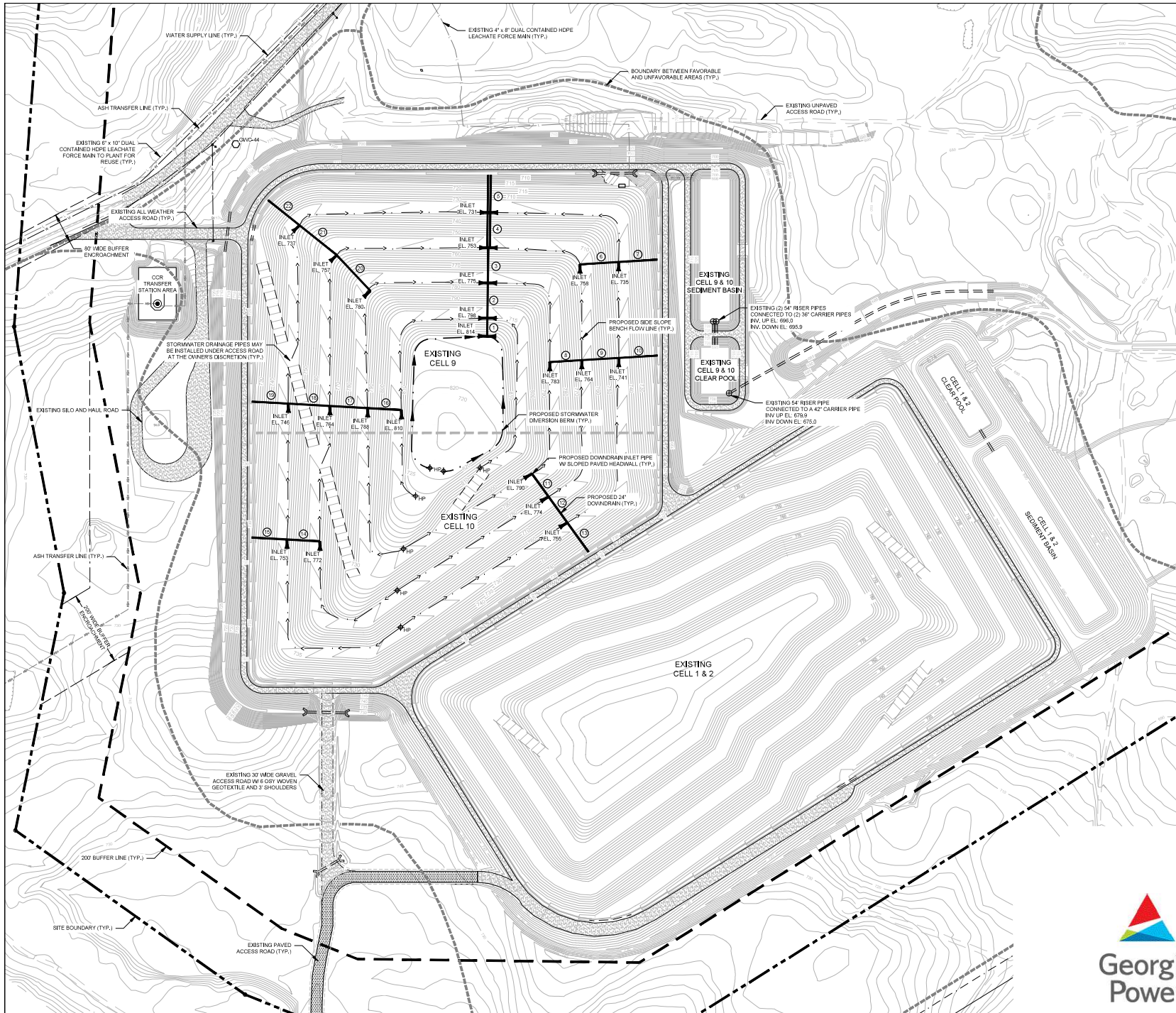


CELLS 9 & 10 FINAL GRADING PLAN  
**CELLS 9 & 10 LINER RETROFIT**  
**PLANT BOWEN - CCR LANDFILL**  
 FOR  
**GEORGIA POWER COMPANY**  
 BARTOW COUNTY, GEORGIA



**HNTB**  
 HODGES, HARRIS,  
 NEWBERRY & TRIBBLE, INC.

|   |   |
|---|---|
| 4100 N.W. 12TH AVENUE, SUITE 100<br>WILMINGTON, GEORGIA 31824 | 3109 ARBORCREST RD.<br>SUITE 100<br>MARIETTA, GEORGIA 30067 |
| PROJ. NO. 3000-22-2-01  | DWG. BOW-CELL 9-10-RETROFIT                                 |
| SCALE 1" = 100'   | SHEET H-52264   |
| DATE AUGUST 2022  |   |



**LEGEND**

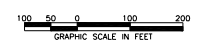
- SITE BOUNDARY
- 200' BUFFER LINE
- BUFFER ENCROACHMENT
- FAVORABLE / UNFAVORABLE AREA BOUNDARY
- INTERNAL CELL BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING STORM DRAINAGE PIPE
- EXISTING OUTFALL STRUCTURE
- EXISTING CONCRETE HEADWALL
- EXISTING WATER SUPPLY LINE
- EXISTING ASH TRANSFER LINE
- EXISTING OVER-HEAD POWER LINE
- EXISTING POWER POLE
- EXISTING SOLID LEACHATE PIPE
- PROPOSED DOWNDRAIN PIPE AND INLET
- PROPOSED SIDE SLOPE BENCH FLOW LINE
- PROPOSED STORMWATER DIVERSION BERM

**REFERENCE NOTES**

1. SEE TOP OF CLAY LINER GRADING PLAN, SHEET H-52251, FOR ALL REFERENCE NOTES.

**FINAL DRAINAGE PLAN NOTES**

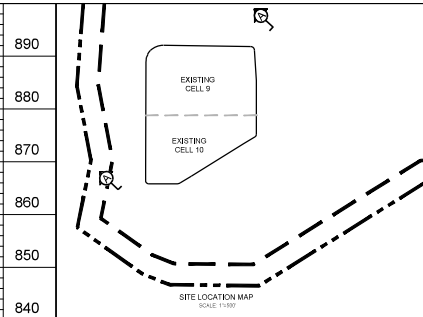
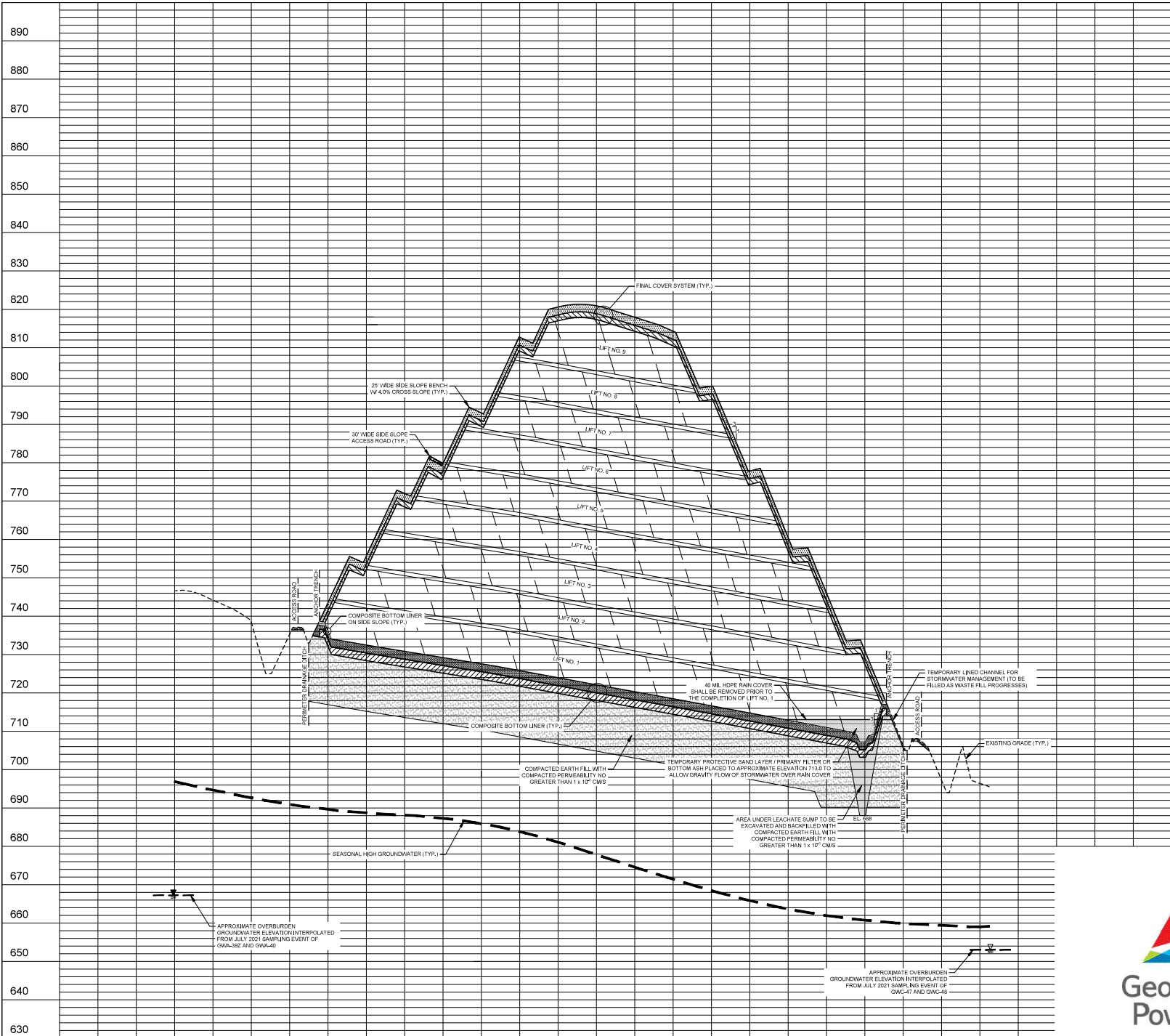
1. THE PROPOSED CONTOURS SHOWN WITHIN THE LANDFILL BOUNDARY REPRESENT THE TOP OF THE FINAL COVER SYSTEM.
2. THE PROPOSED SIDE SLOPE FINAL GRADES SHALL HAVE A MAXIMUM SLOPE OF 3H/1V AND A MINIMUM SLOPE OF 3.0%.
3. THE 25' WIDE BENCHES SHALL BE GRADED WITH A 4.0% CROSS SLOPE GRADED INTO THE HILL TO BE UTILIZED FOR STORMWATER MANAGEMENT.
4. THE 30' WIDE ACCESS ROADS SHALL BE GRADED WITH A MAXIMUM 10.0% SLOPE.
5. ALL PROPOSED DOWNDRAIN PIPES AND INLET PIPES SHALL BE 24" DIA. HDPE PIPE.



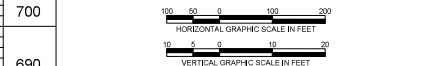
|   |                             |
|---|-----------------------------|
| CELL 9&10 FINAL DRAINAGE PLAN   |                             |
| <b>CELLS 9 &amp; 10 LINER RETROFIT<br/>PLANT BOWEN - CCR LANDFILL</b> |                             |
| FOR<br>GEORGIA POWER COMPANY<br>BARTOW COUNTY, GEORGIA                |                             |
| <b>HNTB</b><br>HODGES, HARRIN,<br>NEWBERRY & TRIBBLE, INC.            |                             |
| 3109 ARBORCREST RD. SUITE 100<br>MARIETTA, GEORGIA 30067              |                             |
| PROJ. NO. 3000-22-2-01  | DWG. BWH-CELL 9&10-Retrofit |
| SCALE 1" = 100'   | SHEET H-52255               |
| DATE AUGUST 2022  |                             |







- GENERAL NOTES**
1. ALL EXISTING TOPOGRAPHIC INFORMATION, BOUNDARY LINE AND BUFFER INFORMATION WAS TAKEN FROM THE PERMITTED DESIGN AND OPERATION PLAN FOR THE FACILITY.
  2. SEASONAL HIGH GROUNDWATER WAS TAKEN FROM THE PERMITTED DESIGN AND OPERATION PLAN FOR THE FACILITY.



CELL 9&10 CROSS SECTION A

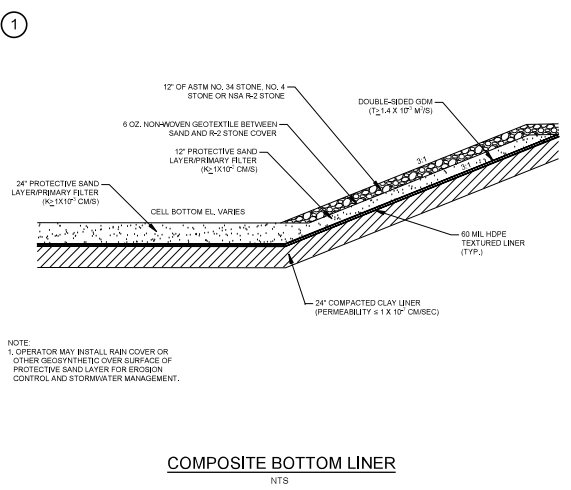
**CELLS 9 & 10 LINER RETROFIT  
PLANT BOWEN - CCR LANDFILL**

FOR  
GEORGIA POWER COMPANY  
BARTOW COUNTY, GEORGIA

**HNTB**  
HODGES, HARBIN,  
NEWBERRY & TRIBBLE, INC.

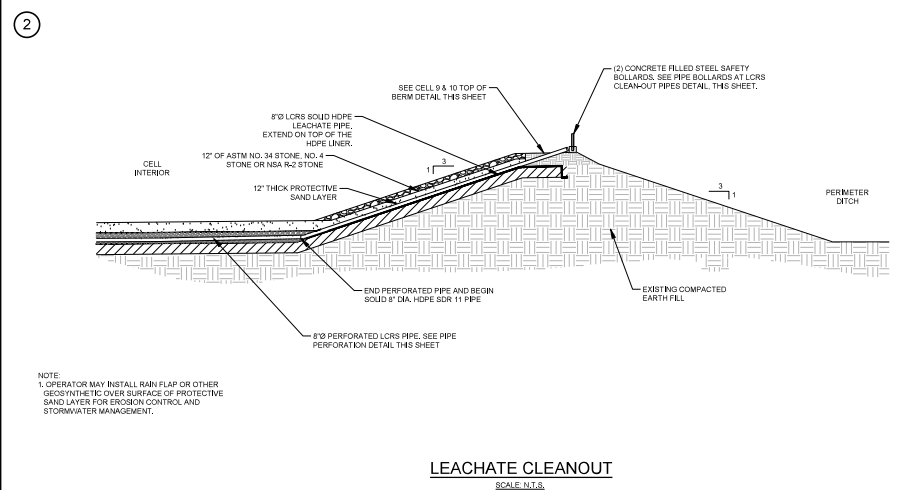
3109 ABBOTTSBURY RD. SUITE 100  
MARIETTA, GEORGIA 30067

PROJ. NO. 3000422501 DWG. BVM/CJH/SL/AT/Sec  
SCALE 1"=100' HOR. 1"=10' VERT. SHEET H-52267  
DATE AUGUST 2022



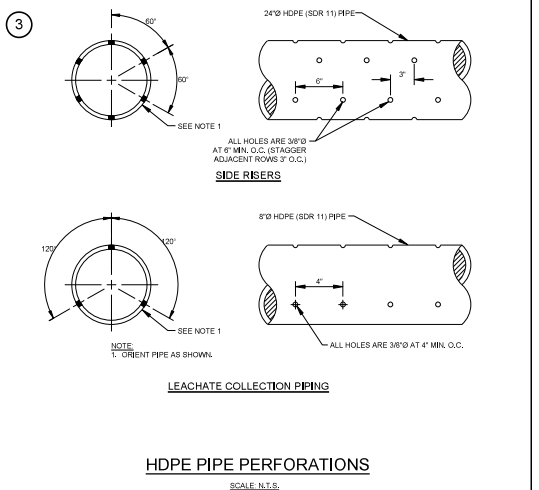
**COMPOSITE BOTTOM LINER**  
NTS

NOTE:  
1. OPERATOR MAY INSTALL RAIN COVER OR OTHER GEOSYNTHETIC OVER SURFACE OF PROTECTIVE SAND LAYER FOR EROSION CONTROL AND STORMWATER MANAGEMENT.



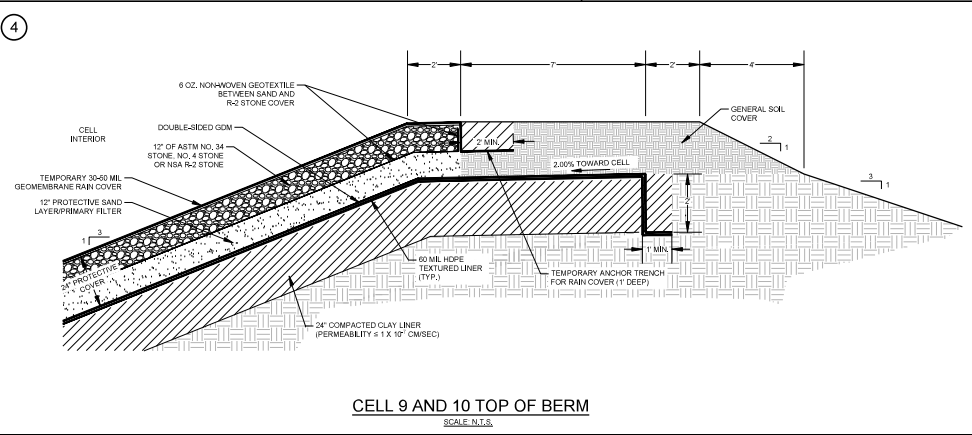
**LEACHATE CLEANOUT**  
SCALE: N.T.S.

NOTE:  
1. OPERATOR MAY INSTALL RAIN FLAP OR OTHER GEOSYNTHETIC OVER SURFACE OF PROTECTIVE SAND LAYER FOR EROSION CONTROL AND STORMWATER MANAGEMENT.

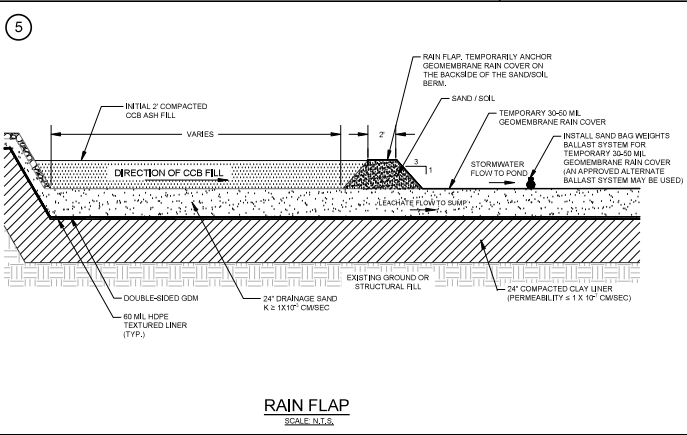


**HDPE PIPE PERFORATIONS**  
SCALE: N.T.S.

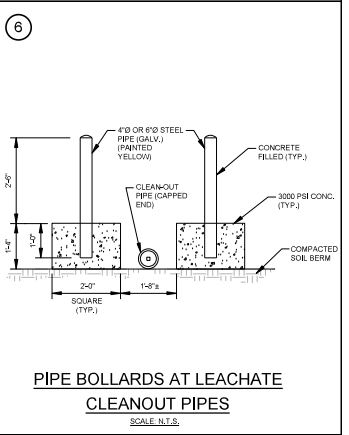
NOTE:  
1. CURRENT PIPE AS SHOWN.



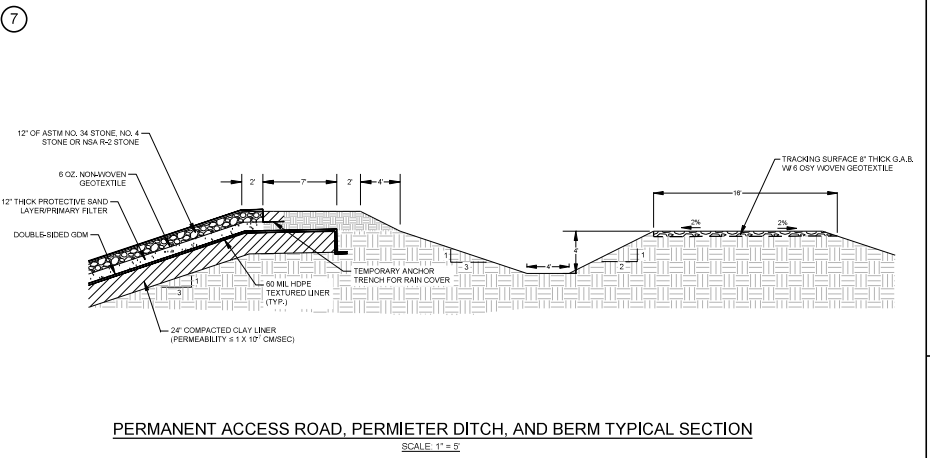
**CELL 9 AND 10 TOP OF BERM**  
SCALE: N.T.S.



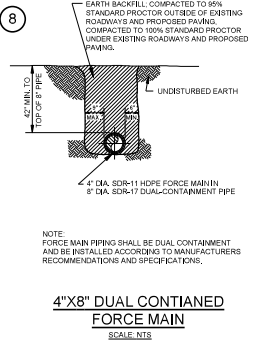
**RAIN FLAP**  
SCALE: N.T.S.



**PIPE BOLLARDS AT LEACHATE CLEANOUT PIPES**  
SCALE: N.T.S.

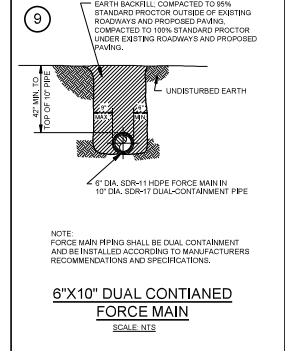


**PERMANENT ACCESS ROAD, PERIMETER DITCH, AND BERM TYPICAL SECTION**  
SCALE: 1" = 5'



**4\"/>**

NOTE:  
FORCE MAIN PIPING SHALL BE DUAL CONTAINMENT AND BE INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS AND SPECIFICATIONS.



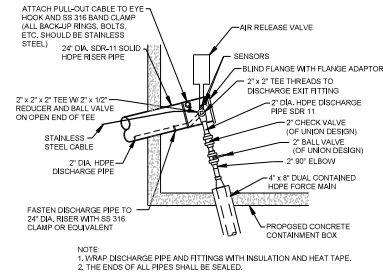
**6\"/>**

NOTE:  
FORCE MAIN PIPING SHALL BE DUAL CONTAINMENT AND BE INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS AND SPECIFICATIONS.



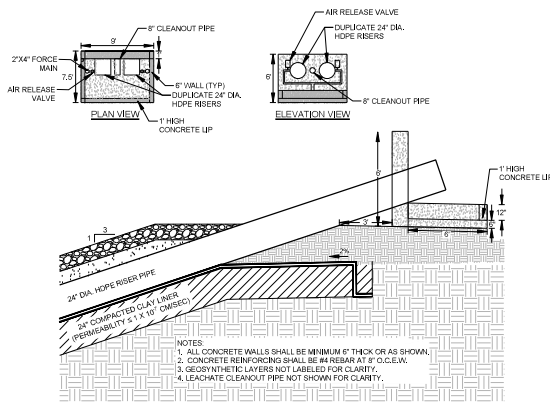
|   |             |   |                    |
|---|-------------|---|--------------------|
| CELL 9 & 10 MISCELLANEOUS DETAILS                                     |             |   |                    |
| <b>CELLS 9 &amp; 10 LINER RETROFIT<br/>PLANT BOWEN - CCR LANDFILL</b> |             |   |                    |
| FOR<br><b>GEORGIA POWER COMPANY</b><br>BARTOW COUNTY, GEORGIA         |             |   |                    |
| <b>HNTB</b>   |             | 3109 ARBORCREST RD.<br>SUITE 100<br>MARIETTA, GEORGIA 30067 |                    |
| HODGES, HARBIN,<br>NEWBERRY & TRIBBLE, INC.                           |             | 3109 ARBORCREST RD.<br>SUITE 100<br>MARIETTA, GEORGIA 30067 |                    |
| PROJ. NO.   | 3000-022-01 | DWG.  | BW-CCR-18-15-04-01 |
| SCALE   | AS SHOWN    | SHEET <b>H-52268</b>  |                    |
| DATE  | AUGUST 2022 |   |                    |

10



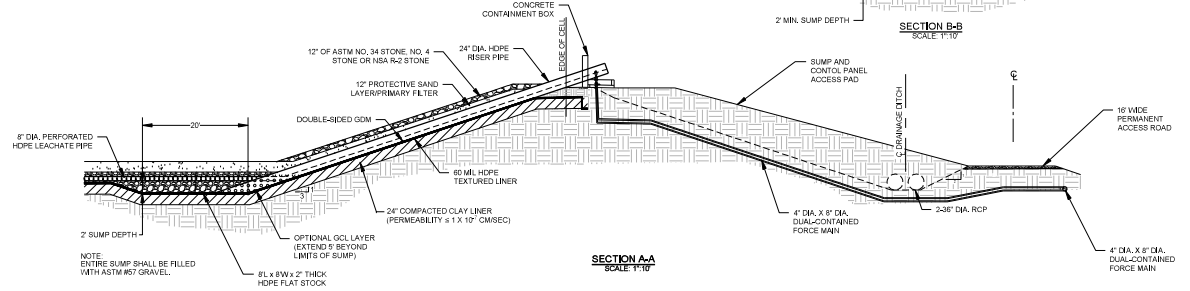
**FORCE MAIN FITTINGS W/ FREEZE PROTECTION**  
SCALE: NTS

12

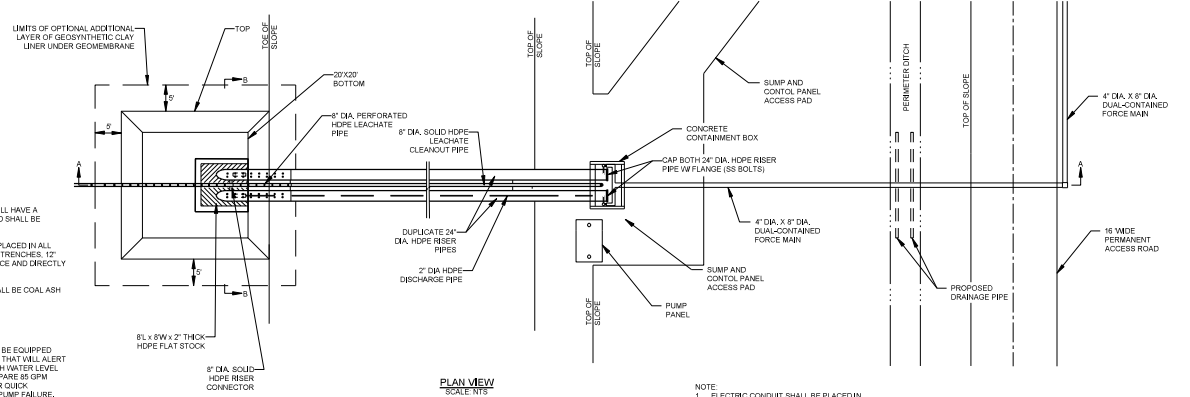


**CONCRETE CONTAINMENT BOX**  
SCALE: NTS

11



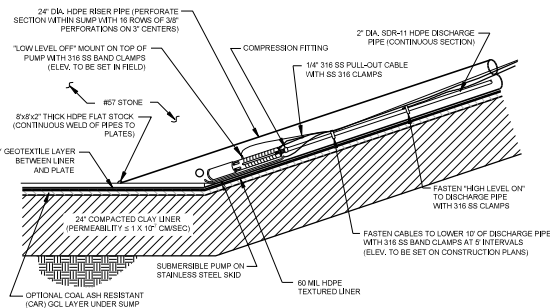
**SECTION A-A**  
SCALE: 1\"/>



**PLAN VIEW**  
SCALE: NTS

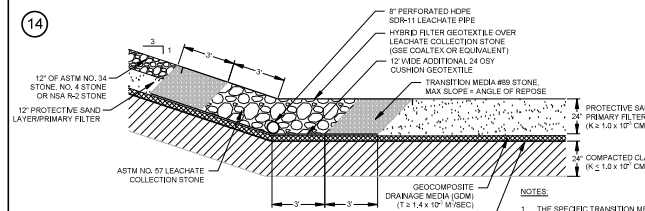
**LEACHATE SUMP ASSEMBLY**

13



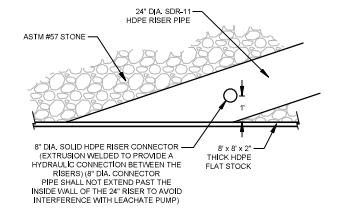
**LEACHATE SUMP PUMP**  
SCALE: N.T.S.

14



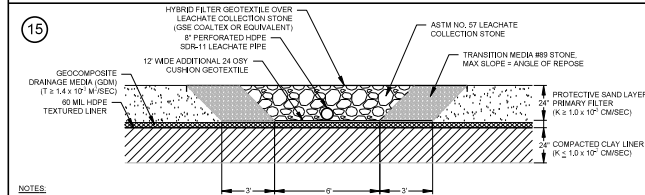
**LEACHATE COLLECTION AND REMOVAL SYSTEM - TOE OF SLOPE**  
SCALE: 1\"/>

16



**8\"/>**

15



**LEACHATE COLLECTION AND REMOVAL SYSTEM - CELL FLOOR**  
SCALE: 1\"/>



CELL 9&10 MISCELLANEOUS DETAILS

**CELLS 9 & 10 LINER RETROFIT  
PLANT BOWEN - CCR LANDFILL**

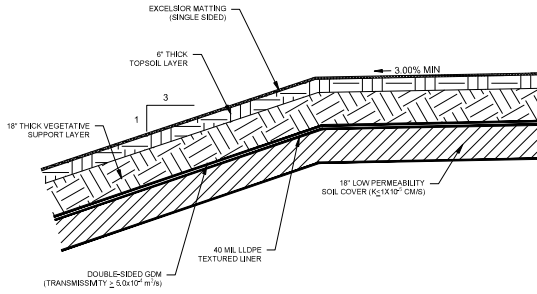
FOR  
**GEORGIA POWER COMPANY**  
BARTOW COUNTY, GEORGIA



**HNTB**  
HODGES, HARRIN,  
NEWBERRY & TRIBBLE, INC.

PROJ. NO. 3000422-01 DWG. BWN-CR-04-10-020  
SCALE AS SHOWN SHEET H-52269  
DATE AUGUST 2022

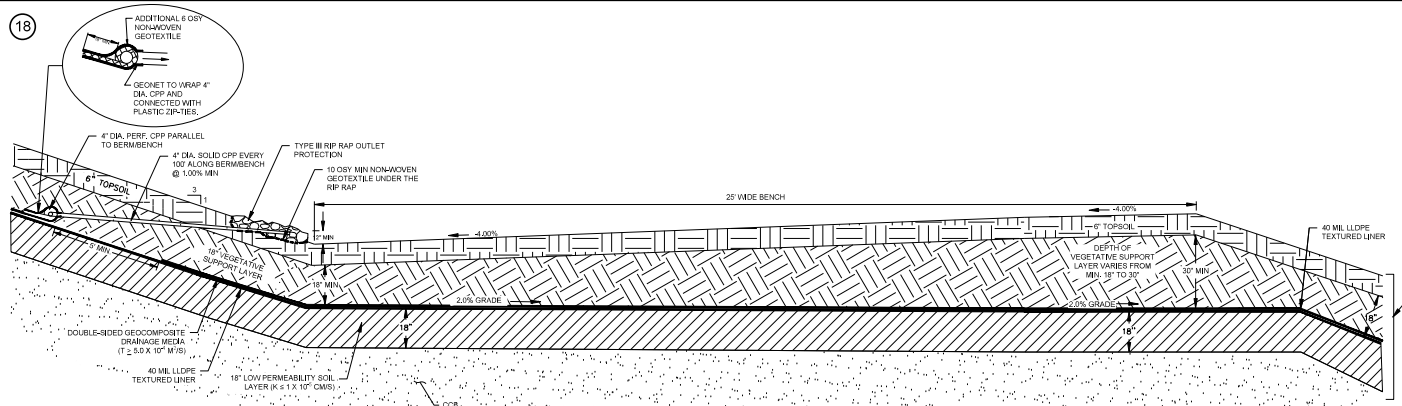
17



**FINAL COVER SYSTEM**

SCALE: N.T.S.

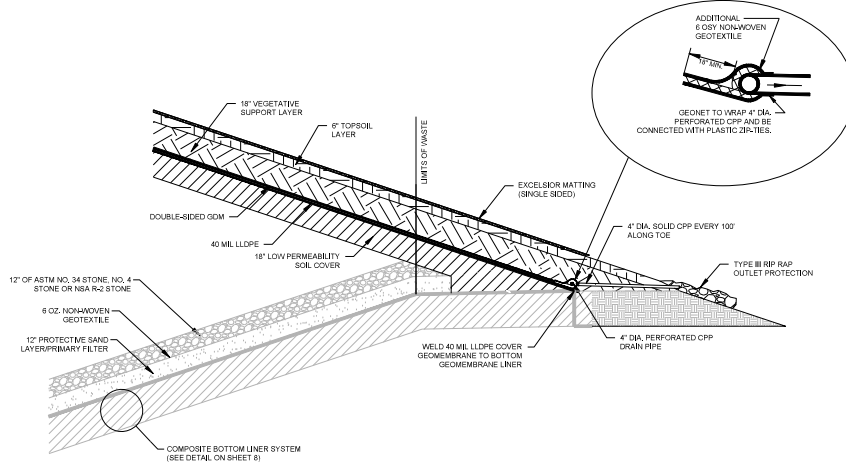
18



**GDM DRAIN AND SIDE SLOPE BENCH**

SCALE: N.T.S.

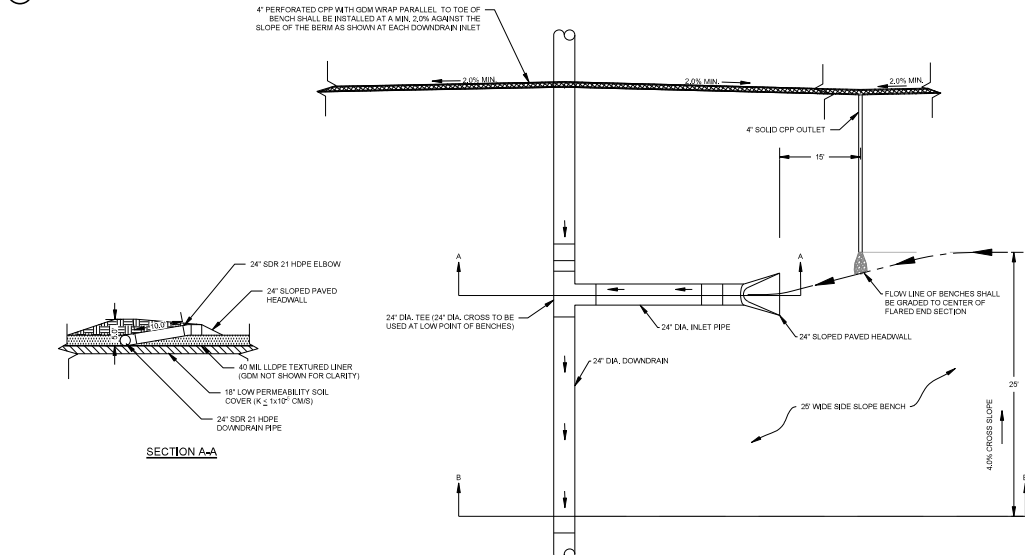
19



**FINAL COVER TIE IN**

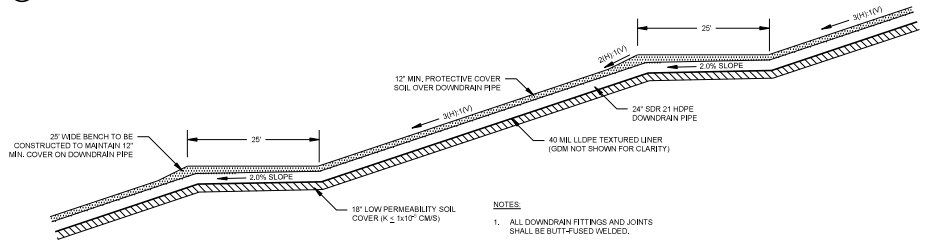
SCALE: 1\"/>

20



**SECTION A-A**

21

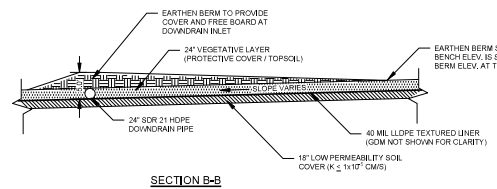


**DOWNDRAIN AND SIDE SLOPE BENCH CROSS SECTION**

SCALE: N.T.S.

**NOTES**

- 1. ALL DOWNDRAIN FITTINGS AND JOINTS SHALL BE BUTT-FUSED WELDED.



**SECTION B-B**

**NOTES**

- 1. ALL DOWNDRAIN FITTINGS AND JOINTS SHALL BE BUTT-FUSED WELDED.

**DOWNDRAIN INLET AND DOWNDRAIN FOR SIDE SLOPE BENCH**

SCALE: N.T.S.



GEORGIA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF ENVIRONMENTAL PROTECTION  
**Approved**  
 Solid Waste Management Program  
 Approved By: Keith Stevens, P.E., 000000200  
 8/15/22

CELL 9&10 MISCELLANEOUS DETAILS  
**CELLS 9 & 10 LINER RETROFIT**  
**PLANT BOWEN - CCR LANDFILL**  
 FOR  
 GEORGIA POWER COMPANY  
 BARTOW COUNTY, GEORGIA

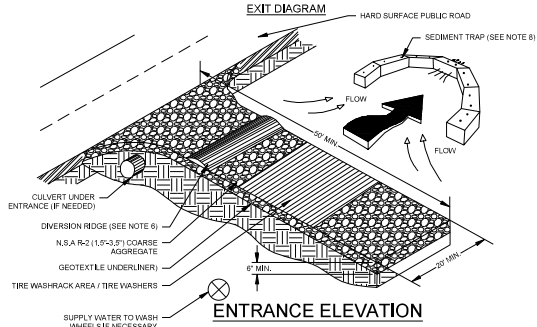
|  |  |                                       |  |
|--|--|---------------------------------------|--|
| <b>HHNT</b><br>HODGES, HARBIN,<br>NEWBERRY & TRIBBLE, INC.<br>3109 ARBORWOOD RD. SUITE 100<br>MACON, GEORGIA 31204<br>(478) 344-0133<br>WWW.HHNT.COM |  | 3000422501<br>AS SHOWN<br>AUGUST 2022 | DWG. 8046-004-04-10-10-03<br>SHEET<br><b>H-52270</b> |
|--|--|---------------------------------------|--|

22

**MAINTENANCE**

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

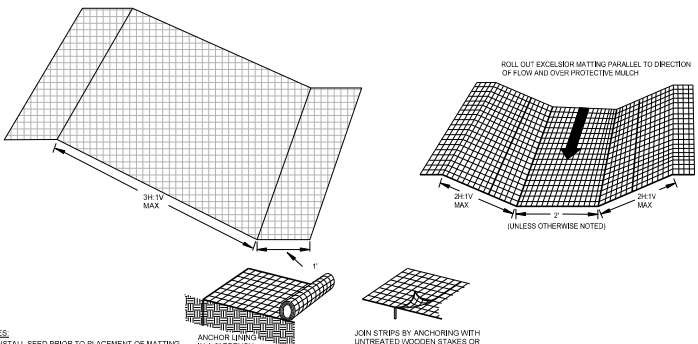
**CRUSHED STONE CONSTRUCTION EXIT**



- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
  3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5-3.5) STONE.
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
  5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREAS IS GREATER THAN 2%.
  7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
  8. WHEN WASHINGS IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT POND (DIVERGENT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
  9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE, IF NECESSARY. WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.

**CONSTRUCTION EXIT**  
SCALE: N.T.S. (C6)

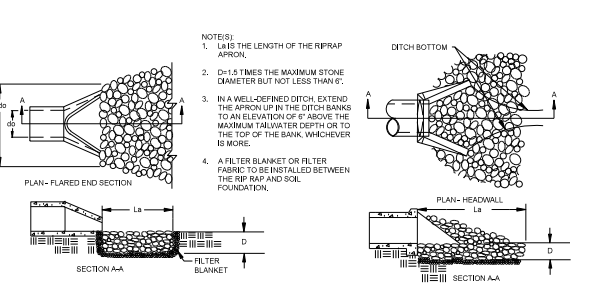
23



- NOTES:**
1. INSTALL REED PRIOR TO PLACEMENT OF MATTING.
  2. STAKE ALL MATS AS NEEDED TO PREVENT SHIFTING.
  3. INSTALL ALL MATS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
  4. FLEXIBLE GROWTH MEDIUM OR BONDED FIBER MATS MAY BE USED ON SLOPES IN PLACE OF EXCELSIOR MATTING.

**EXCELSIOR (WOOD FIBER) MATTING**  
SCALE: 1" = 1' (S8-R4REC)

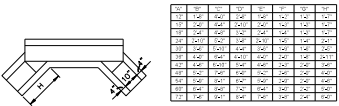
24



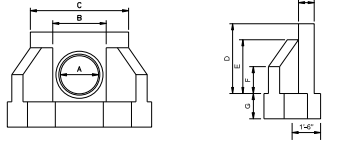
- NOTES:**
1. LAYS THE LENGTH OF THE RIPRAP APPROX.
  2. D=1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
  3. IN A WELL-DEFINED DITCH, EXTEND THE RIPRAP UP IN THE DITCH BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM FLOODER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS MORE.
  4. A FILTER BLANKET OR FILTER FABRIC TO BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION.

**OUTLET PROTECTION**  
SCALE: N.T.S. (S8)

25

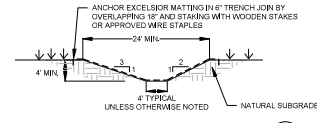


- NOTES:**
1. SHALL MEET THE REQUIREMENTS OF THE S.C. D.O.T. AND ASTM DATA.
  2. REINFORCING STEEL SHALL BE A MINIMUM OF #4 @ 6" O.C. E-W.
  3. FOR TWIN PIPES, DOUBLE DIMENSIONS 18" AND 17".

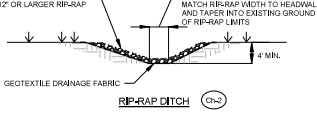


**CONCRETE HEADWALL**  
SCALE: N.T.S. (C6)

26

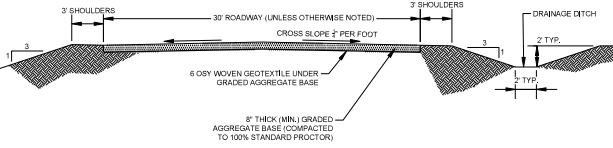


- NOTES:**
1. ANCHOR EXCELSIOR MATTING IN 6" TRENCH JOIN BY OVERLAPPING 18" AND STAKING WITH WOODEN STAKES OR APPROVED WIRE STAPLES.
  2. WHERE RIP-RAP STARTS AT A HEADWALL, MATCH RIP-RAP WIDTH TO HEADWALL WIDTH AND TAPER INTO EXISTING GROUND AT END OF RIP-RAP LINES.



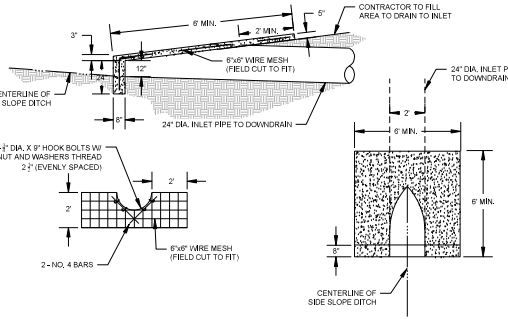
**DRAINAGE DITCH SECTIONS**  
SCALE: 1" = 10' (C7-1)

27



**30' WIDE GRAVEL ACCESS ROAD SECTION**  
SCALE: 1" = 8' (C7-2)

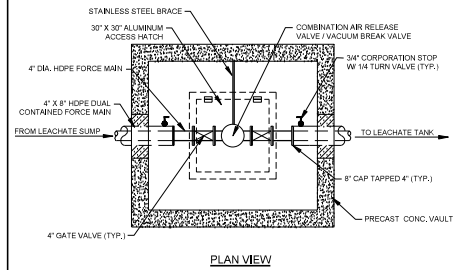
28



- NOTES:**
1. FILL SHALL BE PLACED AND FINISHED AND ALL SHORING REMOVED PRIOR TO THE PLACEMENT OF ANY CONCRETE ON SLOPES.

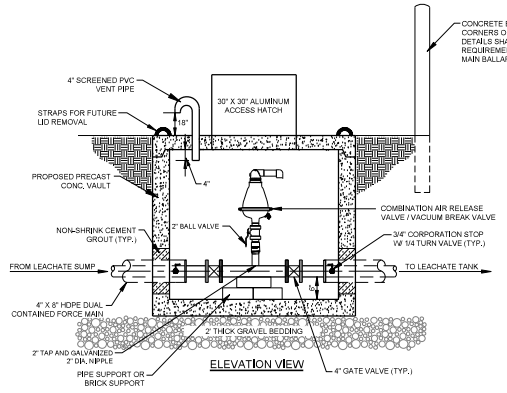
**SLOPE PAVED HEADWALL**  
SCALE: 1" = 3' (C6)

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- NOTES:**
1. PROVIDE BOLLARDS ON EITHER SIDE OF VAULT TO PROTECT FROM VEHICLE TRAFFIC.
  2. ALL VALVES SHALL BE FLANGED.
  3. PIPE ENTRIES INTO VAULT SHALL BE GROUTED OR CAST HOPE BOOTS (KOR-AN-SEAL) INTO CONCRETE WALLS.
  4. DIMENSION OF VAULT WILL BE DETERMINED BY CONTRACTOR BASED ON REQUIRED DIMENSIONS TO ACCOMMODATE AND INSTALL VALVES AND FITTINGS.

**AIR RELEASE VALVE VAULT**  
SCALE: N.T.S. (C6)



|  |                      |
|--|----------------------|
| CELL 9 & 10 LINER RETROFIT               |                      |
| PLANT BOWEN - CCR LANDFILL               |                      |
| FOR                                      |                      |
| GEORGIA POWER COMPANY                    |                      |
| BARTOW COUNTY, GEORGIA                   |                      |
| CELL 6&10 MISCELLANEOUS DETAILS          |                      |
| CELLS 9 & 10 LINER RETROFIT              |                      |
| FOR                                      |                      |
| GEORGIA POWER COMPANY                    |                      |
| BARTOW COUNTY, GEORGIA                   |                      |
| HNTB                                     |                      |
| HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. |                      |
| 3109 ARBORCREST RD. SUITE 100            |                      |
| MARIETTA, GEORGIA 30067                  |                      |
| PROJ. NO.                                | 300042241            |
| SCALE                                    | AS SHOWN             |
| DATE                                     | AUGUST 2022          |
| DWG.                                     | BWA-CR-04-0-154-1-04 |
| SHEET                                    | H-52271              |