

PRELIMINARY DETERMINATION
PERMIT RENEWAL AND MINOR MODIFICATION

City of Phenix City
601 12th St.
Phenix City, Alabama 36867

Phenix City C/D Landfill
Permit No. 57-08

April 25, 2024

The City of Phenix City applied to the Alabama Department of Environmental Management (ADEM) for renewal and modification of the Solid Waste Disposal Facility Permit for the Phenix City C/D Landfill. The requested modification would update the cell boundaries of Subcells A and B to provide necessary wetland buffer zones.

The waste stream for the Phenix City C/D Landfill would remain non-putrescible and non-hazardous construction and demolition waste, tires, shingles, cable, plastic, rubbish as defined by ADEM Admin. Code 335-13-1-.03, and roadside litter not containing household garbage. The service area for the Phenix City C/D Landfill would remain the Phenix City corporate limits and all of Russell County, Alabama. The maximum average daily volume of waste disposed at the Phenix City C/D Landfill would remain 240 tons a day. All previous variances have been requested by the applicant and will be granted in the renewed permit.

The landfill is located in the S ½ of Section 18, Township 16 North, Range 30 East in Russell County, Alabama. The permitted facility consists of approximately 136 acres. The permit modification would decrease the permitted disposal area from 36.82 acres to 36.18 acres.

The Land Division has determined that the renewal and modification of the permit meet the applicable requirements of ADEM's Administrative Code Division 13.

Technical Contact:

Isabel Bela
Solid Waste Engineering Section
Land Division
(334) 271-7954



ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

SOLID WASTE DISPOSAL FACILITY PERMIT

PERMITTEE: City of Phenix City

FACILITY NAME: Phenix City C/D Landfill

FACILITY LOCATION: S ½ of Section 18, Township 16 North, Range 30 East in Russell County, Alabama. The total permitted area is approximately 136 acres with 36.18 acres approved for disposal.

PERMIT NUMBER: 57-08

PERMIT TYPE: Construction/Demolition (C/D) Landfill

WASTE APPROVED FOR DISPOSAL: Non-putrescible and non-hazardous construction and demolition waste, tires, shingles, cable, plastic, rubbish as defined by ADEM Admin. Code 335-13-1-.03, and roadside litter not containing household garbage.

APPROVED WASTE VOLUME: Maximum Daily Volume of 240 tons per day

APPROVED SERVICE AREA: City of Phenix City corporate limits and all of Russell County, Alabama.

In accordance with and subject to the provisions of the Alabama Solid Wastes and Recyclable Materials Management Act, as amended, Code of Alabama 1975, SS 22-27-1 to 22-27-27 ("SWRMMA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, SS 22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to dispose of the above-described solid wastes at the above-described facility location.

ISSUANCE DATE: XXX XX, 20XX

EFFECTIVE DATE: XXX XX, 20XX

EXPIRATION DATE: XXX XX, 20XX

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
SOLID WASTE PERMIT**

Permittee: City of Phenix City
P.O. Drawer 279
Phenix City, Alabama 36868

Landfill Name: Phenix City C/D Landfill

Landfill Location: A part of the S ½ of Section 18, Township 16 North, Range 30 East in Russell County,
Alabama

Permit Number: 57-08

Landfill Type: Construction and Demolition Landfill

Pursuant to the Solid Wastes & Recyclable Materials Management Act, Code of Alabama 1975, §§22-27-1, *et seq.*, as amended (the "Act"), and attendant regulations promulgated thereunder by the Alabama Department of Environmental Management (ADEM), this permit is issued to City of Phenix City (hereinafter called the Permittee), to operate a solid waste disposal facility, known as the Phenix City C/D Landfill.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions set forth herein (including those in any attachments), and the applicable regulations contained in Chapters 335-13-1 through 335-13-16 of the ADEM Administrative Code (hereinafter referred to as the "ADEM Admin. Code"). Rules cited are set forth in this document for the purpose of Permittee reference. Any Rule that is cited incorrectly in this document does not constitute grounds for noncompliance on the part of the Permittee. Applicable ADEM Administrative Codes are those that are in effect on the date of issuance of this permit or any revisions approved after permit issuance.

This permit is based on the information submitted to ADEM on August 7, 2023 for permit renewal and as amended and is known as the Permit Application (hereby incorporated by reference and hereinafter referred to as the Application). Any inaccuracies found in this information could lead to the termination or modification of this permit and potential enforcement action. The Permittee must inform ADEM of any deviation from or changes in the information in the Application that would affect the Permittee's ability to comply with the applicable ADEM Admin. Code or permit conditions.

This permit is effective as of **XXX XX, 20XX** and shall remain in effect until **XXX XX, 20XX**, unless suspended or revoked.

Alabama Department of Environmental Management

Date Signed

SECTION I. STANDARD CONDITIONS

- A. Effect of Permit. The Permittee is allowed to dispose of nonhazardous solid waste in accordance with the conditions of this permit and ADEM Administrative Code, Division 13. Issuance of this permit does not convey property rights of any sort or any exclusive privilege, nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of state or local laws or regulations. Except for actions brought under Code of Alabama 1975, Section 22-27-1, *et seq.*, as amended, compliance with the conditions of this permit shall be deemed to be compliance with applicable requirements in effect as of the date of issuance of this permit and any future revisions.
- B. Permit Actions. This permit may be suspended, revoked or modified for cause. The filing of a request for a permit modification or the notification of planned changes or anticipated noncompliance on the part of the Permittee, and the suspension or revocation does not stay the applicability or enforceability of any permit condition.
- C. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
- D. Definitions. For the purpose of this permit, terms used herein shall have the same meaning as those in ADEM Administrative Code, Division 13, unless this permit specifically provides otherwise; where terms are not otherwise defined, the meaning associated with such terms shall be as defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.
1. "EPA" for purposes of this permit means the United States Environmental Protection Agency.
 2. "Permit Application" for the purposes of this permit, means all permit application forms, design plans, operational plans, closure plans, technical data, reports, specifications, plats, geological and hydrological reports, and other materials which are submitted to the Department in pursuit of a solid waste disposal permit.
- E. Duties and Requirements.
1. Duty to Comply. The Permittee must comply with all conditions of this permit except to the extent and for the duration such noncompliance is authorized by a variance granted by the Department. Any permit noncompliance constitutes a violation of Code of Alabama 1975, Section 22-27-1 *et seq.*, as amended, and is grounds for enforcement action, permit suspension, revocation, modification, and/or denial of a permit renewal application.
 2. Duty to Reapply. If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must apply for and obtain a new permit. The renewal application must be submitted to the Department at least 180 days before this permit expires.
 3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application as required by Section I, Paragraph E, Subparagraph 2, and, through no fault of the Permittee, the Department has not made a final decision regarding the renewal application.
 4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of this permit.
 5. Duty to Mitigate. In the event of noncompliance with this permit, the Permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.

6. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of control (and related appurtenances) that are installed or used by the Permittee to achieve compliance with the conditions of this permit.
7. Duty to Provide Information. If requested, the Permittee shall furnish to ADEM, within a reasonable time, any information that ADEM may reasonably need to determine whether cause exists for denying, suspending, revoking, or modifying this permit, or to determine compliance with this permit. If requested, the Permittee shall also furnish the Department with copies of records kept as a requirement of this permit.
8. Inspection and Entry. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow the employees of the Department or their authorized representative to:
 - a. Enter at reasonable times the Permittee's premises where the regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
 - d. Sample or monitor, at reasonable times, any substances or parameters at any location for the purposes of assuring permit compliance or as otherwise authorized by Code of Alabama 1975, Section 22-27-1 *et seq.*
9. Monitoring, Corrective Actions, and Records.
 - a. Samples and measurements taken for the purpose of monitoring or corrective action shall be representative of the monitored activity. The methods used to obtain representative samples to be analyzed must be the appropriate method from ADEM Admin. Code 335-13-4 or the methods as specified in the Application and incorporated by reference. Laboratory methods must be those specified in Standard Methods for the Examination of Water and Wastewater (American Public Health Association, latest edition), Methods for Chemical Analysis of Water and Wastes (EPA-600/4-79-020), Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA Publication SW-846, latest edition), other appropriate EPA methods, or as specified in the Application. All field tests must be conducted using approved EPA test kits and procedures.
 - b. The Permittee shall retain records, at the location specified in Section I, Paragraph I, of all monitoring, or corrective action information, including all calibration and maintenance records, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report or record or for periods elsewhere specified in this permit. These periods may be extended by the request of the Department at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.
 - c. Records of monitoring and corrective action information shall include:
 - i. The exact place, date, and time of sampling or measurement.
 - ii. The individual(s) and company who performed the sampling or measurements.
 - iii. The date(s) analyses were performed.
 - iv. The individual(s) and company who performed the analyses.

- v. The analytical techniques or methods used.
 - vi. The results of such analyses.
 - d. The Permittee shall submit all monitoring and corrective action results at the interval specified elsewhere in this permit.
10. Reporting Planned Changes. The Permittee shall notify the Department, in the form of a request for permit modification, at least **120** days prior to any change in the permitted service area, increase in the waste received, or change in the design or operating procedure as described in this permit, including any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
11. Transfer of Permit. This permit may be transferred to a new owner or operator. All requests for transfer of permits shall be in writing and shall be submitted on forms provided by the Department. Before transferring ownership or operation of the facility during its operating life, the Permittee shall notify the new owner or operator in writing of the requirements of this permit.
12. Certification of Construction. Before the Permittee may commence disposal of waste in any new cell or phase:
- a. The Permittee must submit a letter to the Department signed by both the Permittee and a professional engineer stating that the facility has been constructed in compliance with the permit.
 - b. The Department must inspect the constructed cells of phases unless the permittee is notified that the Department will waive the inspection.
 - c. The Permittee may not commence disposal activities in any new cells or phases until approval of the new cells or phases is granted by the Department.
13. Noncompliance. The Permittee shall report all instances of noncompliance with the permit at the time noncompliance is discovered.
14. Other Information. If the Permittee becomes aware that information required by the Application was not submitted or was incorrect in the Application or in any report to the Department, the Permittee shall promptly submit such facts or information. In addition, upon request, the Permittee shall furnish to the Department, within a reasonable time, information related to compliance with the permit.
- F. Design and Operation of Facility. The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or nonsudden release of contaminants (including leachate and explosive gases) to air, soil, groundwater, or surface water, which could threaten human health or the environment.
- G. Inspection Requirements.
- 1. The Permittee shall comply with all requirements of ADEM Admin. Code 335-13-4-.21(1)(b).
 - 2. The Permittee shall conduct random inspections of incoming loads.
 - 3. Records of all inspections shall be included in the operating record.
- H. Recordkeeping and Reporting.
- 1. The Permittee shall maintain a written operating record at the location specified in Section I.,I. The operating record shall include:

- a. Documentation of inspection and maintenance activities.
 - b. Daily Volume reports.
 - c. Personnel training documents and records.
 - d. Solid/Hazardous Waste Determination Forms for Industrial Wastes, and associated ADEM disposal approval correspondence for industrial waste and special waste.
 - e. Groundwater monitoring records.
 - f. Explosive gas monitoring records.
 - g. Surface water and leachate monitoring records.
 - h. Copies of this Permit and the Application.
 - i. Copies of all variances granted by ADEM, including copies of all approvals of special operating conditions.
2. Quarterly Volume Report. Beginning with the effective date of this permit, the Permittee shall submit, within thirty (30) days after the end of each calendar quarter, a report summarizing the daily waste receipts for the previous (just ended) quarter. Copies of the quarterly reports shall be maintained in the operating record.
3. Monitoring and Corrective Action Reports. The Permittee shall submit reports on all monitoring and corrective action activities conducted pursuant to the requirements of this permit, including, but not limited to, groundwater, surface water, explosive gas and leachate monitoring. The groundwater monitoring shall be conducted in March and September of each year, or as directed by ADEM, and the reports shall be submitted at least semi-annually, or as directed by ADEM. The reports should contain all monitoring results and conclusions from samples and measurements conducted during the sampling period. Explosive gas monitoring must be submitted once each year, and the reports should be submitted to ADEM and placed in the operating record within 30 days of the monitoring event. Copies of the groundwater and explosive gas monitoring reports shall be maintained in the operating record.
4. Availability, Retention, and Disposition of Records.
- a. All records, including plans, required under this permit or ADEM Admin. Code 335-13 must be furnished upon request, and made available at reasonable times for inspection by any officer, employee, or representative of ADEM.
 - b. All records, including plans, required under this permit or ADEM Admin. Code 335-13 shall be retained by the Permittee for a period of at least three years. The retention period for all records is extended automatically during the course of any unresolved enforcement action regarding the facility, or as requested by ADEM.
 - c. A copy of records of waste disposal locations and quantities must be submitted to ADEM and local land authority upon closure of the facility.
- I. Documents to be Maintained by the Permittee. The Permittee shall maintain, at the Phenix City C/D Landfill, office the following documents and amendments, revisions and modifications to these documents until an engineer certifies closure.
- 1. Operating record.

2. Closure Plan.
- J. Mailing Location. All reports, notifications, or other submissions which are required by this permit should be sent via signed mail (i.e. certified mail, express mail delivery service, etc.) or hand delivered to:
1. Mailing Address.
Chief, Solid Waste Branch
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, AL 36130-1463
 2. Physical Address.
Chief, Solid Waste Branch
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, Alabama 36110-2400
- K. Signatory Requirement. All applications, reports or information required by this permit, or otherwise submitted to ADEM, shall be signed and certified by the owner as follows:
1. If an individual, by the applicant.
 2. If a city, county, or other municipality or governmental entity, by the ranking elected official, or by a duly authorized representative of that person.
 3. If a corporation, organization, or other legal entity, by a principal executive officer, of at least the level of Vice President, or by a duly authorized representative of that person.
- L. Confidential Information. The Permittee may claim information submitted as confidential if the information is protected under Code of Alabama 1975 §§22-39-18, as amended.
- M. State Laws and Regulations. Nothing in this permit shall be construed to preclude the initiation of any legal action or to relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation.

SECTION II. GENERAL OPERATING CONDITIONS.

- A. Operation of Facility. The Permittee shall operate and maintain the disposal facility consistent with the Application, this permit, and ADEM Admin. Code 335-13.
- B. Open Burning. The Permittee shall not allow open burning without prior written approval from ADEM and other appropriate agencies. A burn request should be submitted in writing to ADEM outlining why that burn request should be granted. This request should include, but not be limited to, specifically what areas will be utilized, types of waste to be burned, the projected starting and completion dates for the project, and the projected days and hours of operation. The approval, if granted, shall be included in the operating record.
- C. Prevention of Unauthorized Disposal. The Permittee shall follow the approved procedures for the detecting and preventing the disposal of free liquids, regulated hazardous waste, PCB's, medical waste, and other unauthorized waste streams at the facility.
- D. Unauthorized Discharge. The Permittee shall operate the disposal facility in such a manner that there will be no water pollution or unauthorized discharge. Any discharge from the disposal facility or practice thereof may require a National Pollutant Discharge Elimination System permit under the Alabama Water Pollution Control Act.

- E. Industrial Waste Disposal. The Permittee shall not dispose of industrial process waste at this landfill. Only those wastes shown in Section III, Paragraph B are allowed for disposal in this landfill.
- F. Boundary Markers. The Permittee shall ensure that the facility is identified with a sufficient number of permanent boundary markers that are at least visible from one marker to the next.
- G. Certified Operator. The Permittee shall be required to have an operator certified by the Department on-site during hours of operation, in accordance with the requirements of ADEM Admin. Code 335-13-12.

SECTION III. SPECIFIC REQUIREMENTS FOR C/D LANDFILLS

- A. Waste Identification and Management
 - 1. Subject to the terms of this permit, the Permittee may dispose of the nonhazardous solid wastes listed in Section III, Paragraph B. Disposal of any other wastes is prohibited, except waste granted a temporary or one-time waiver by the Director.
 - 2. The total permitted area for the Phenix City C/D Landfill is approximately 136 acres, with **36.18** acres approved for disposal.
 - 3. The maximum average daily volume of waste disposed at the facility, as contained in the permit application, shall not exceed 240 tons/day. Should the average daily volume exceed this value by 20% or 100 tons/day, whichever is less, for two (2) consecutive quarters the permittee shall be required to modify the permit in accordance with ADEM Admin. Code 335-13-5-.06(2)(b)2. The average daily volume shall be computed as specified by ADEM Admin. Code 335-13-4-.23(2)(f).
- B. Waste Streams. The Permittee may accept for disposal non-putrescible and non-hazardous construction and demolition waste, tires, shingles, cable, plastic, rubbish as defined by ADEM Admin. Code 335-13-1-.03, and roadside litter not containing household garbage
- C. Service Area. The Permittee is allowed to receive for disposal waste from the Phenix City corporate limits and all of Russell County, Alabama.
- D. Waste Placement, Compaction, and Cover. All waste shall be confined to an area as small as possible within a single working face and placed onto an appropriate slope not to exceed 4 to 1 (25%). All waste shall be spread in layers two feet or less in thickness and thoroughly compacted weekly with adequate landfill equipment prior to placing additional layers of waste or placing the weekly cover. A minimum of six inches of compacted earth or other alternative cover material approved by ADEM and listed in Section VIII, shall be added at the conclusion of each week's operation. These are minimum requirements for waste placement, compaction and cover unless a variance is granted in Section VIII.
- E. Liner Requirements. At this time, the Permittee shall not be required to install a liner system. The bottom of the construction and demolition waste shall be a minimum of five (5) feet above the highest measured groundwater level as determined by ADEM Admin. Code 335-13-4-.11(2)(a).
- F. Security. The Permittee shall provide artificial and/or natural barriers, which prevent entry of unauthorized vehicular traffic to the facility.
- G. All Weather Access Roads. The Permittee shall provide an all-weather access road to the dumping face that is wide enough to allow passage of collection vehicles.
- H. Adverse Weather Disposal. The Permittee shall provide for disposal activities in adverse weather conditions.
- I. Personnel. The Permittee shall maintain adequate personnel to ensure continued and smooth operation of the facility.

- J. Environmental Monitoring and Treatment Structures. The Permittee shall provide protection and proper maintenance of environmental monitoring and treatment structures.
- K. Vector Control. The Permittee shall provide for vector control as required by ADEM Admin. Code 335-13.
- L. Bulk or Noncontainerized Liquid Waste. The Permittee shall not dispose of bulk or noncontainerized liquid waste, or containers capable of holding liquids, unless the conditions of ADEM Admin. Code 335-13-4-.23(1)(j) are met.
- M. Empty Containers. Empty containers larger than 10 gallons in size must be rendered unsuitable for holding liquids prior to disposal in the landfill unless otherwise approved by ADEM.
- N. Other Requirements. ADEM may enhance or reduce any requirements for operating and maintaining the landfill as deemed necessary by the Land Division.
- O. Other Permits. The Permittee shall operate the landfill according to this and any other applicable permits.
- P. Scavenging and Salvaging Operations. The Permittee shall prevent scavenging and salvaging operations, except as part of a controlled recycling effort. Any recycling operation must be in accordance with plans submitted and approved by ADEM.
- Q. Signs. If the landfill is available to the public or commercial haulers, the Permittee shall provide a sign outlining instructions for use of the site. The sign shall be posted and have the information required by ADEM Admin. Code 335-13-4-.23(1)(f).
- R. Litter Control. The Permittee shall control litter.
- S. Fire Control. The Permittee shall provide fire control measures.

SECTION IV. GROUNDWATER MONITORING REQUIREMENTS:

Groundwater monitoring is not being required at this landfill provided that the waste stream is in accordance with Section III, Paragraph B. Should any waste be disposed other than the waste streams indicated in Section III, Paragraph B, the Department may require that groundwater-monitoring wells be installed.

SECTION V. GAS MONITORING REQUIREMENTS

The permittee must install and maintain an explosive gas monitoring system in accordance with ADEM Administrative Code, Division 13.

SECTION VI. SURFACE WATER MANAGEMENT

The permittee shall construct and maintain run-on and run-off control structures. Any discharges from drainage control structures shall be permitted through a discharge permit issued by the ADEM Water Division.

SECTION VII. CLOSURE AND POST-CLOSURE REQUIREMENTS

The Permittee shall close the landfill and perform post-closure care of the landfill in accordance with ADEM Admin. Code 335-13.

- A. Final Cover. The Permittee shall grade final soil cover such that surface water does not pond over the permitted area as specified in the Application. The final cover system shall comply with ADEM Admin.

Code Division 13. The Permittee is granted a variance to increase the final slope not to exceed 3 to 1 (33%). (See Section VIII.1-2)

- B. Vegetative Cover. The Permittee shall establish a vegetative or other appropriate cover within 90 days after completion of final grading requirements in the Application. Preparation of a vegetative cover shall include, but not be limited to, the placement of seed, fertilizer, mulch, and water.
- C. Notice of Intent. The Permittee shall place in the operating record and notify ADEM of their intent to close the landfill prior to beginning closure.
- D. Completion of Closure Activities. The Permittee must complete closure activities of each landfill unit in accordance with the Closure Plan within 180 days of the last known receipt of waste.
- E. Certification of Closure. Following closure of each unit, the Permittee must submit to ADEM a certification, signed by an independent registered professional engineer, verifying the closure has been completed according to the Closure Plan.
- F. Post-Closure Care Period. Post-closure care activities shall be conducted after closure of each unit throughout the life of this permit and continuing for a period of a minimum of thirty (30) years following closure of the facility. ADEM may shorten or extend the post-closure care period applicable to the solid waste disposal facility.
- G. Post-Closure Maintenance. The Permittee shall provide post closure maintenance of the facility to include regularly scheduled inspections. This shall include maintenance of the cover, vegetation, monitoring devices and pollution control equipment and correction of other deficiencies that may be observed by ADEM. Monitoring requirements shall continue throughout the post closure period as determined by ADEM unless all waste is removed and no unpermitted discharge to waters of the State have occurred.
- H. Post-Closure Use of Property. The Permittee shall ensure that post closure use of the property never be allowed to disturb the integrity of the final cover, liner, or any other component of the containment system. This shall preclude the growing of deep-rooted vegetation on the closed area.
- I. Certification of Post-Closure. Following post-closure of each unit, the Permittee must submit to ADEM a certification, signed by an independent registered professional engineer, verifying the post-closure has been completed according to the Post-Closure Plan.
- J. Recording Instrument. The Permittee must provide documentation of compliance with the requirements of the Uniform Environmental Covenants Program in ADEM Admin. Code 335-5 and shall execute the following:
 - 1. Record a notation onto the land deed within 90 days from the certification of closure. This notation shall state that the land has been used as a solid waste disposal facility, the name of the Permittee, type of disposal activity, location of the disposal facility, and beginning and closure dates of the disposal activity.
 - 2. File the covenant at the courthouse where the land deed is held within thirty (30) days of receipt of the covenant signed by ADEM's Land Division Chief.
 - 3. The Permittee shall submit a certified copy of the recording instrument to ADEM within 120 days after permit expiration, revocation, or as directed by ADEM as described in the Application.
- K. Removal of Waste. If the Permittee, or any other person(s), wishes to remove waste, waste residues, or any liner or contaminated soils, the owner must request and receive prior approval from ADEM.

SECTION VIII. VARIANCES

1. The Permittee is granted a variance from ADEM Admin. Code 335-13-4-.20(2)(c) requiring a final slope of 4 to 1 (25%). The Permittee is allowed to increase the final slope not to exceed 3 to 1 (33%). (See Section VII.A.)
2. The Permittee has been granted a variance from ADEM Admin. Code 335-13-4-.20(2)(c)3. requiring horizontal terraces for every 20 feet rise in elevation for slopes longer than 25 feet (See Section VII.A.).

Any variance granted by the Department may be terminated by the Department whenever the Department finds, after notice and opportunity for hearing, that the petitioner is in violation of any requirement, condition, schedule, limitation or any other provision of the variance, or that operation under the variance does not meet the minimum requirements established by state and federal laws and regulations or is unreasonably threatening the public health.

Received
AUG 07 2023
Land Division

**SOLID WASTE DISPOSAL FACILITY
PERMIT APPLICATION PACKAGE**

January 16, 2018

MEMORANDUM

TO: Applicants Seeking a Permit for Solid Waste Facilities

FROM: Stephen A. Cobb, Chief
Land Division
Alabama Department of Environmental Management

RE: Processing Solid Waste Permits by ADEM

Any permit issued by ADEM must be in accordance with §22-27-48 and §22-27-48.1 Code of Alabama. This section indicates that ADEM may not consider an application for a new or modified permit unless such application has received approval by the affected unit of local government having an approved plan. ADEM, therefore, will require the following before it can process a new or modified permit application:

1. The local government having jurisdiction must approve the permit application in accordance with §22-27-48 and §22-27-48.1 Code of Alabama.
2. Local governments should follow the procedures outlined in §22-27-48 and §22-27-48.1 Code of Alabama and the siting standards included in the local approved plan in considering approval of a facility.

This procedure applies to applications for new or modified permits. ADEM cannot review an application unless it includes approval from the affected local government. This procedure shall not apply to exempted industrial landfills receiving waste generated on site only by the permittee.

Please contact the Solid Waste Branch of ADEM at (334) 274-4201 if there are any questions.

SAC/sss/abj

SOLID WASTE APPLICATION

PERMIT APPLICATION
SOLID WASTE DISPOSAL FACILITY
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Submit in Triplicate)

1. Facility type: _____ Municipal Solid Waste Landfill (MSWLF)
_____ Industrial Landfill (ILF)
 Construction and Demolition Landfill (C/DLF)
_____ CCR Landfill (CCRLF)
_____ CCR Surface Impoundment (CCRSI)
_____ Other (explain) _____

2. Facility Name Phenix City C/D Landfill

3. Applicant/Permittee:

Name: City of Phenix City

Address: 601 12th Street Phenix City, AL 36867

Telephone: 334-448-2760

If applicant/permittee is a Corporation, please list officers:

Mayor - Eddie Lowe

4. Location: (include county highway map or USGS map)

Township 16 North Range 30 East
Section 18 County Russell

5. Land Owner:

Name: City of Phenix City

Address: 601 12th Street Phenix City, AL 36867

Telephone: 334-448-2760

(Attach copy of agreement from landowner if applicable.)

Solid Waste Permit Application
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6. Contact Person:

Name Angel Moore

Position or Affiliation City Engineer / Director of Public Works

Address: 1206 7th Avenue Phenix City, AL 36867

Telephone: 334-448-2760

7. Size of Facility:

136 Acres

Size of Disposal Area(s):

26.22 Acres

8. Identify proposed service area or specific industry that waste will be received from:

City of Phenix City Corporate Limits and all of Russell County, Alabama

9. Proposed maximum average daily volume to be received at landfill (choose one):

240 Tons/Day _____ Cubic Yards/Day

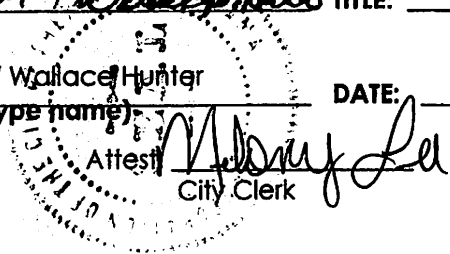
10. List all waste streams to be accepted at the facility (i.e., household solid waste, wood boiler ash, tires, trees, limbs, stumps, etc.):

Non-putrescible and non-hazardous construction and demolition waste, tires, shingles,
cable, plastic, rubbish as defined by ADEM rule 335-13-1-.03, and roadside litter
not containing household garbage

SIGNATURE (Responsible official of permit applicant):

Eddie N. Lowe / Wallace Hunter TITLE: Mayor / City Manager

Eddie Lowe / Wallace Hunter DATE: 8/11/23
(please print or type name)



ADDITIONAL REQUIRED INFORMATION

Applicants seeking to obtain a permit to construct and/or continue to operate a municipal solid waste (MSW) landfill, industrial landfill, construction and demolition (C/D) landfill, coal combustion residuals (CCR) landfill, or CCR surface impoundment are required to submit additional information as part of the Solid Waste Disposal Facility Permit Application. These additional information requirements vary depending on the facility type.

For new and existing landfill units, refer to ADEM Admin Code 335-13-5-.02 for a list of additional information to be submitted in the permit application. Some requirements apply only to MSW landfills and CCR landfills, while other requirements apply to industrial landfills and C/D landfills. You need only to address the requirements that pertain to your type landfill. For new and existing CCR surface impoundments, refer to ADEM Admin Code 335-13-15-.09 for additional information to be submitted in the permit application.

Each rule that is applicable to your type landfill or surface impoundment must be addressed in detail in the operational narrative and/or engineering drawings before the review process can be completed. All operational narratives, engineering drawings, survey maps and legal descriptions are to be prepared by licensed engineers or surveyors registered in the State of Alabama and with their stamp or seal on each drawing/map and cover of the narrative.

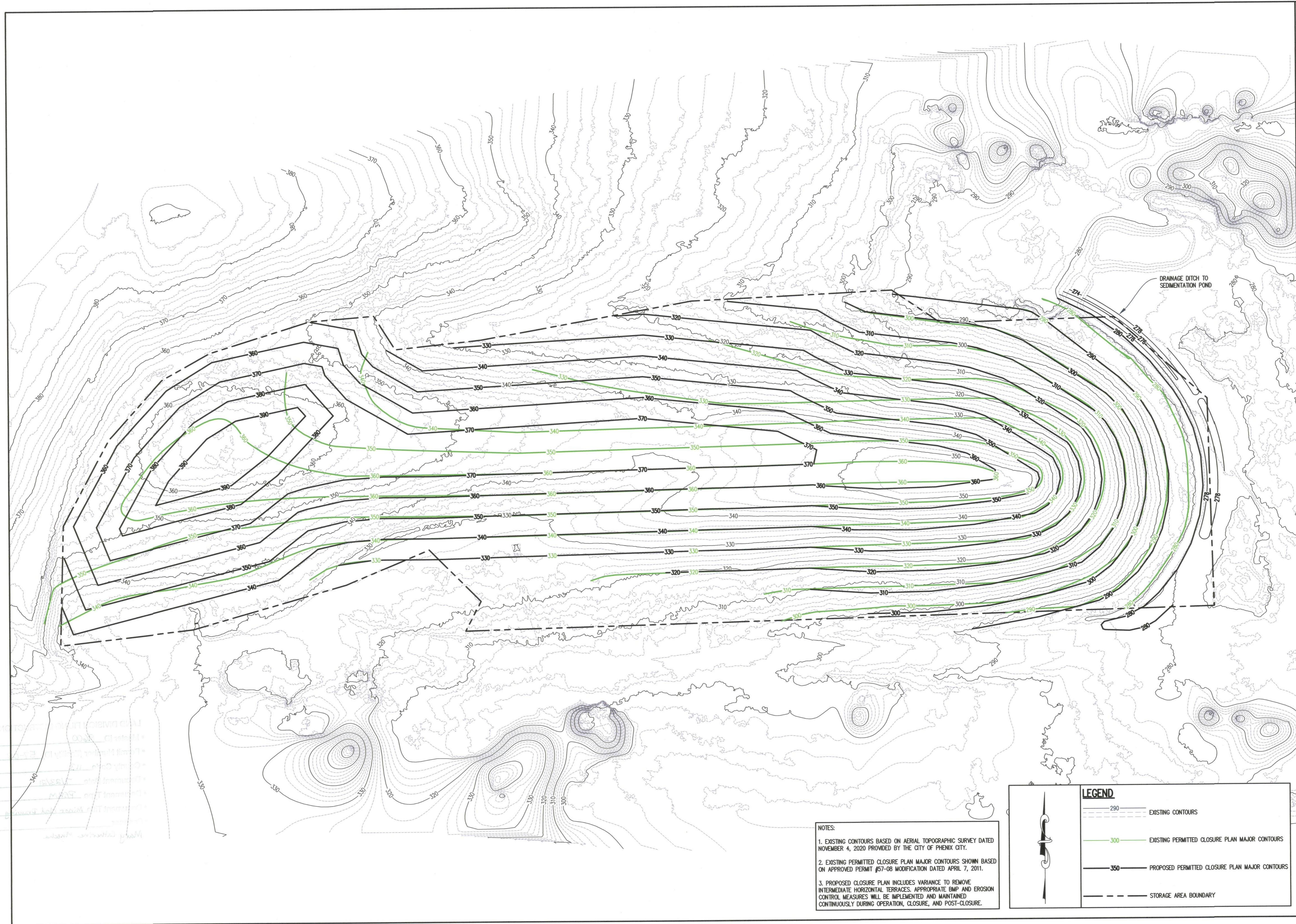
Act No. 89-824 Section 9(a) states "The department may not consider an application for a new or modified permit for a facility unless such application has received approval by the affected unit of local government having an approved plan." This document must be received by the Department prior to processing the application.

The referenced rules are covered in greater detail in ADEM's Administrative Code, Division 13. Clarification can be obtained by reviewing the regulations. Copies of the ADEM Administrative Code, Division 13 regulations, can be obtained for a fee by contacting ADEM's Permits and Services Division. If the Department can answer any questions, please contact the Solid Waste Branch at (334) 274-4201.

RECEIVED

JUN 23 2021

LAND DIVISION



NOTES:

1. EXISTING CONTOURS BASED ON AERIAL TOPOGRAPHIC SURVEY DATED NOVEMBER 4, 2020 PROVIDED BY THE CITY OF PHENIX CITY.
2. EXISTING PERMITTED CLOSURE PLAN MAJOR CONTOURS SHOWN BASED ON APPROVED PERMIT #57-08 MODIFICATION DATED APRIL 7, 2011.
3. PROPOSED CLOSURE PLAN INCLUDES VARIANCE TO REMOVE INTERMEDIATE HORIZONTAL TERRACES. APPROPRIATE BMP AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND MAINTAINED CONTINUOUSLY DURING OPERATION, CLOSURE, AND POST-CLOSURE.

LEGEND	
	EXISTING CONTOURS
	EXISTING PERMITTED CLOSURE PLAN MAJOR CONTOURS
	PROPOSED PERMITTED CLOSURE PLAN MAJOR CONTOURS
	STORAGE AREA BOUNDARY

THE CITY OF PHENIX CITY CONSTRUCTION AND DEMOLITION LANDFILL PERMIT #57-08 MODIFICATION		Municipal Consultants, Inc. <small>200 Century Park South, Suite 212 Birmingham, Alabama 35226 (205) 822-0377</small>	
		2021	
ALABAMA LICENSED PROFESSIONAL ENGINEER NO. 83658 TREV R. TURNER 6-22-21 <small>NOT VALID WITHOUT SIGNATURE</small>		BAR = 1"	
Title PROPOSED CLOSURE PLAN		Project No. 6 - 2021	
Sheet PERMIT VARIANCE SET		Date 6 - 2021	
Scale 1" = 60'		Sheet -	

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Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

April 25, 2023

Honorable Eddie N. Lowe, Mayor
City of Phenix City
601 12th St.
Phenix City, Alabama 36867

RE: Pre-Disposal Inspection
Phenix City C/D Landfill
Permit No. 57-08

Dear Mayor Lowe:

On April 24, 2023, Mary Catherine Muscha of the Solid Waste Branch performed a post-construction, pre-disposal inspection of Subcell A at the referenced landfill. Based on the visual inspection of the referenced cell and the engineer certification, the Department has determined that the cell is in compliance with all requirements and conditions of the permit and disposal activities may commence.

If you have any questions regarding this matter, please contact Mary Catherine Muscha of the Solid Waste Engineering Section at (334) 270-5651.

Sincerely,

Jared Kelly, Chief
Solid Waste Engineering Section
Land Division

JK/mcm

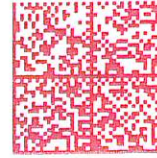




Alabama Department of Environmental Management
 Post Office Box 301463
 Montgomery, Alabama 36130-1463



PRESORTED
 FIRST CLASS



US POSTAGE IN PITNEY BOWES

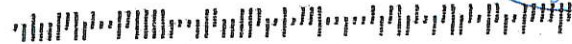


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 MAY - 1 2023



CLT-ABB 36667



Municipal Consultants, Inc.

Civil/Environmental Engineering

200 Century Park South, Suite 212
Birmingham, Alabama 35226
P: (205) 822-0387
F: (205) 822-0386

April 5, 2023

Mrs. Mary Catherine Muscha
Alabama Department of Environmental Management
Solid Waste Branch - Land Division
P.O. Box 301463
Montgomery, AL 6130-1463

RE: Phenix City C&D Landfill Expansion Cell Certification
Permit Number 57-08

Dear Mrs. Muscha,

On behalf of the City of Phenix City, we are providing the certification package for the Phenix City C&D Landfill Expansion for your review and approval. Included with this package is the following:

- Cell certification by a Licensed Professional Engineer
- As-built Survey Drawing
- Gas Monitoring Well Installation Report
- Record Drawings

Please contact me in order to schedule the post-construction pre-disposal inspection. Please call me at 205-822-0387 if you have any questions or require any additional information.

Sincerely,



Trent Turner

cc: Angel Moore, The City of Phenix City
Mike Pattillo, The City of Phenix City

enclosures

Adjacent Property Owners

Dudley W.C. LLC
P.O. Box 401
Auburn, AL 36831

Greene Brooks Harrison
2647 Summerville Rd.
Smith's Station, AL 36877

Parrish Electrical Services, Inc.
P.O. Box 3114
Phenix City, AL 36868

Hayes Kenneth
26 Willow Oak Lane
Ft. Mitchell, AL 36856

Daechang Seat Corp. USA
903 Fontaine Road
Phenix City, AL 36869

Averett Bernard
32 Lee Road 988
Phenix City, AL 36870

Cotton Steven S Sr. & Cotton Steven S. Jr.
32 Sanks Drive
Phenix City, AL 36869

Johnson Robert D & Odean
1457 Hembree Station Dr.
Marietta, GA 30062

Bo Chuck LLC
43 Downing Drive
Phenix City, AL 36869

Hayes Leonard & Theresa
11 Arrowhead Road
Phenix City, AL 36869

Blue Bell Creameries LP
P.O. Box 1807
Brenham TX 77834

Grand Reserve & Lodge LLC
3755 Highway 431 North
Phenix City, AL 36867

The Memory Company, LLC.
25 Downing Drive
Phenix City, AL 36869

Logan Machine Works, Inc.
35 Downing Drive 4160 HWY 431 S
Phenix City, AL 36869

ADEM CHEAT SHEET

- Original Local Approval
 - o 9600 57-08 113 07-11-1996 PNSW PJI 09600 ADEM Public Notice
- Hydrogeological Evaluations
 - o 9600 57-08 113 07-20-1998 MONI PJI 09600 Request for Hydro Services
 - o 9600 57-08 113 05-12-2004 MONI PJI 09600 Request for Hydro.pdf
 - o 9600 57-08 113 04-30-2020 Perm MCM Permit Application (Pages 242-316)
- Stormwater runoff calcs for old sediment ponds –
 - o 9600 57-08 113 08-11-1993 CORR PJI 09600 Closure Plan.pdf
 - o 9600 57-08 113 04-30-2020 Perm MCM Permit Application (Pages 317-354)
- Modifications
 - o 9600 57-08 113 29-26-1993 PJI 09600 Permit Drawings.pdf
 - o 9600 57-08 113 12-21-2020 PERM MCM Major Mod Permit
 - o 9600 57-08 113 04-30-2020 PERM MCM Permit Application
 - o 9600 57-08 11307-23-2021 Perm MCM Minor Modification Application
- Gas monitoring plan
 - o 9600 57-08 113 07-26-2018 (page 11/12)
 - o 9600 57-08 113 09-29-1994 Perm PJI 09600 Mod-Renewal of Permit Info.pdf (page 20/27)
- Closure plan
 - o 9600 57-08 113 09-29-1994 Perm PJI 09600 Mod-Renewal of Permit Info.pdf (page 9/27)
 - o 9600 57-08 113 07-23-2021 PERM MCM Minor Mod Drawing
 - o 9600 57-08 113 04-30-2020 Perm MCM Permit Application (Page 11)
- Cell Certification
 - o 9600 57-08 113 4-30-2020 PERM MCM PERMIT APPLICATION (page 356)
- Most recent permit drawings
 - o 9600 57-08 113 05-26-1993 Perm PJI 09600 Permit Drawings.pdf
 - o 9600 57-08 113 03-21-2011 Perm PJI 09600 Final Modification Application.pdf
 - o 9600 57-08 113 04-30-2020 Perm MCM Permit Application (Pages 370-381)

**OPERATION AND DESIGN PLAN
PHENIX CITY C/D LANDFILL
PHENIX CITY, ALABAMA**

LANDFILL EXPANSION

INDEX

DESCRIPTION	PAGE
General Information	2
Sequence of Operation	3
Water Management	3
Life Expectancy	3
Closure and Post Closure of Existing and New Site	4

**OPERATION AND DESIGN PLAN
PHENIX CITY C/D LANDFILL
PHENIX CITY, ALABAMA**

LANDFILL EXPANSION

General Information

1. The existing Phenix City Landfill has been in operation as a construction/demolition facility since 2000. The landfill operated as an industrial and construction/demolition waste disposal facility from 1996 until 2000 and operated solely as an industrial waste disposal facility prior to 1996. This landfill expansion permit application will be a major modification to the existing Alabama Department of Environmental Management Permit #57-08. The landfill expansion consists of adding approximately 76.9 acres of property to the north and northeast of the existing property.
2. Since this is a major modification to the existing #57-08 landfill permit, service area and the permitted daily intake volume will remain the same. All currently permitted practices and requirements and all previous operation and design criteria will continue to be followed and maintained as previously permitted. See the current Permit #57-08 included in Exhibit "L."
3. The person in responsible charge of the landfill is:

Mayor of Phenix City, Eddie N. Lowe
P. O. Box 1207
Phenix City, Alabama 36867
Phone: (334) 448-2701

The person responsible for site operation:

Mr. Paul Chastain
Phone: (334)448-2768
4. A portion of the landfill expansion property is located in a flood plain area, Zone "A" (Areas of 100-year base flood) according to Flood Insurance Rate Map, Community Panels No. 0164C, 0170C, 0277C, and 0281C, dated July 22, 2010. See maps included in Exhibit "D" of this package. No part of the proposed cells is located within the flood plain.

Sequence of Operation

The landfill expansion has been constructed and will be operated in such a way that can be properly managed and maintained according to the requirements of the existing ADEM permit. The landfill expansion may be broken up into 2 different sub-cells. The intention of the City is to begin either on the westerly portion of the property and work to the northeast or northeasterly portion of the property and work to the west. There are 2 sedimentation ponds that have been constructed, one for each of the sub-cells. All storm drainage structures, diversion ditches, and earth berms associated with the sedimentation ponds have been installed as required. The access road has been constructed according to the plans for proper operation. All gas monitoring and water monitoring wells have been installed around the entire site in accordance with permit drawings. Once these structures are in place, the initial operation of the landfill expansion shall begin. The Owner, along with the Engineer, will gather sufficient cell bottom data around the site prior to placing waste in order to certify the cell was constructed in accordance with the permit drawings herein.

Once the initial area of the landfill expansion is placed into operation, material from the landfill expansion excavation may be hauled and used to close the existing landfill cell in accordance with the current permit and all approved variances. All proper procedures for notifying ADEM and certifying the closure will be followed as required in the current permit.

Once landfilling operations begin on the expansion property, they will continue to move either in the west and south direction or the northeast direction depending on the first sub-cell constructed. Sedimentation pond, drainage structures, etc. as shown on the plans will be constructed as required for proper operation of the landfill. All drainage will be diverted through the sedimentation ponds as shown in order to prevent silt from entering the original drainage course.

This procedure shall continue in the sequence given above. The main objective in the scope of work is to contain sediment within the landfill limits by using sedimentation ponds. Surfaces shall be sloped on a minimum final grade of 5% in a manner to prevent ponding of water. All slopes with vertical change of more than 20 feet shall be terraced as shown.

Water Management

This expansion has been constructed and will operate in such a way that ground water and surface water resources of the vicinity are protected.

This facility will use best management practices, such as sedimentation basins, silt fences, riprap checkdams, vegetative covers, diversion ditches, berms, etc. as required to prevent the discharge of dredge or fill material into waters of the state. This facility is designed, and will be constructed and operated, with the intent of preventing an unpermitted discharge to waters of the state as defined by the Alabama Pollution Control Act.

Life Expectancy

Life expectancy is based on the disposal of 70,000 CY/year, a 5% earth cover ratio, and a landfill capacity of approximately 1,200,000 cubic yards. Considering these parameters along with no compaction, the life of this landfill is expected to last approximately 17-18 years.

Closure and Post Closure of Existing Site and New Site

As the existing site and new site receives its last waste and the closure process begins, final contours according to the currently permitted and new final grading plan will be developed. Each area of completed landfill will be planted with grasses or other vegetation and stabilized to prevent erosion. Final contours and closure will be completed according to the current permit.

After closure requirements have been achieved and approved by ADEM, the City of Phenix City shall conduct regular inspections and maintenance of the existing and expansion facility according to the current permit.

Municipal Consultants, Inc.

Civil/Environmental Engineering

200 Century Park South, Suite 212
Birmingham, Alabama 35226
(205) 822-0387

December 15, 2023

Ms. Isabel Bela
Alabama Department of Environmental Management
Solid Waste Branch-Land Division
1400 Coliseum Boulevard
Montgomery, AL 36110-2400

Re: The City of Phenix City
C & D Landfill Expansion
Permit Modification #57-08

Dear Ms. Bela,

On behalf of the City of Phenix City, we are providing the revised permit drawings of the landfill expansion for the minor modification of their current C&D landfill Permit #57-08. Please find enclosed a digital copy of the drawings sent via e-mail. The payment of \$1,460 for the minor permit modification fee will be paid directly by the City.

Please call me if you require any additional information or if I can be of any assistance.

Sincerely,



Trent Turner

xc: Angel Moore, P.E., The City of Phenix City

THE CITY OF PHENIX CITY, ALABAMA

C & D LANDFILL EXPANSION PERMIT 57-08 PERMIT MODIFICATION

DECEMBER 2023

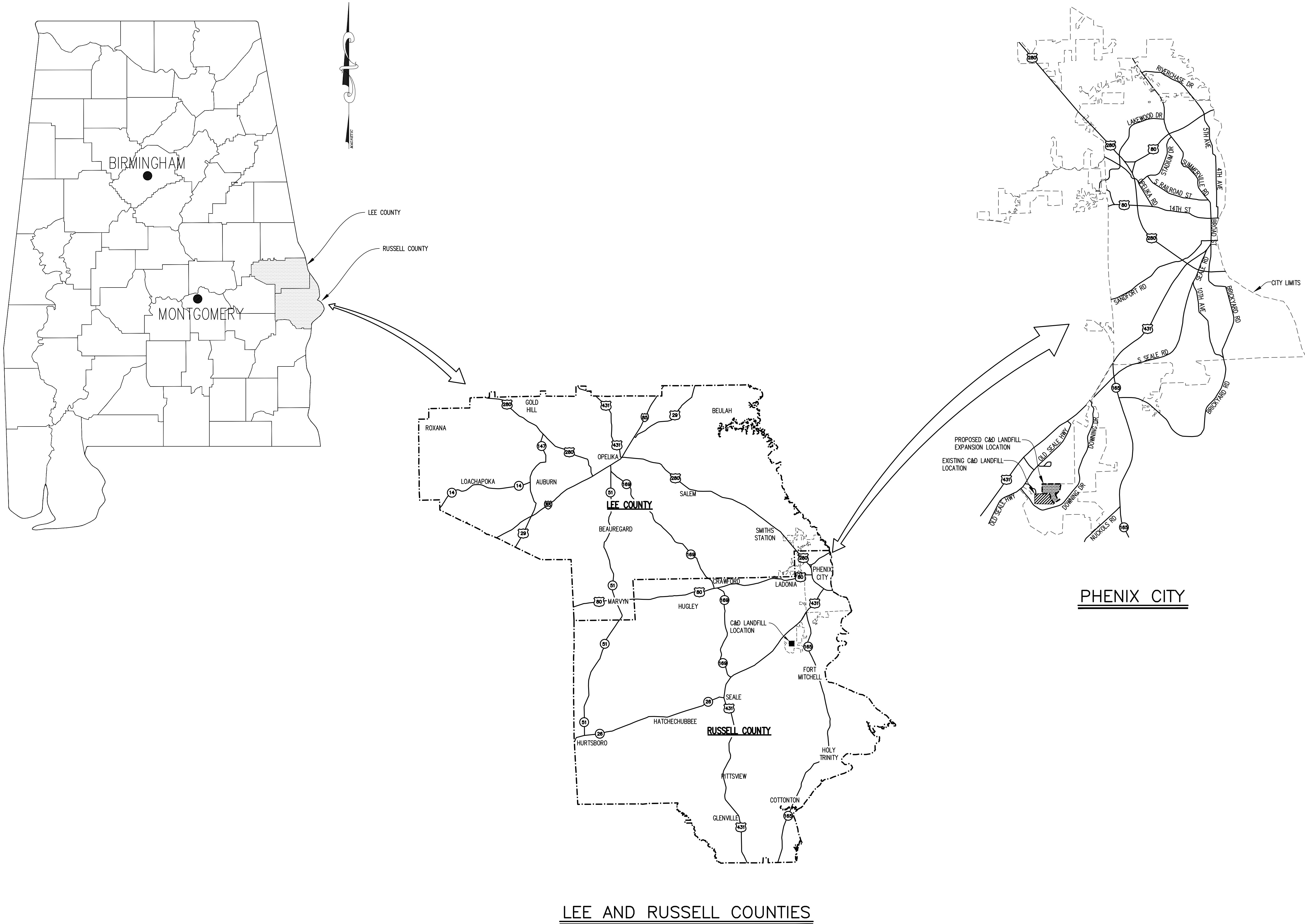
INDEX

SHEET	TITLE
1	TITLE PAGE
2	LOCATION MAP
3	PROPERTY MAP
4	EXISTING CONTOURS AND GROUND WATER CONTOURS
5	CELL BOTTOM GRADING EXTENTS
6	CELL BOTTOM GRADING PLAN
7	CELL CLOSURE GRADING PLAN
8	SEDIMENTATION POND SECTIONS
9	LANDFILL CELL SECTION
10	LANDFILL DETAILS
11	LANDFILL DETAILS

Municipal
Consultants,
Inc. Birmingham, Alabama



**REVISED ADEM
PERMIT SET**



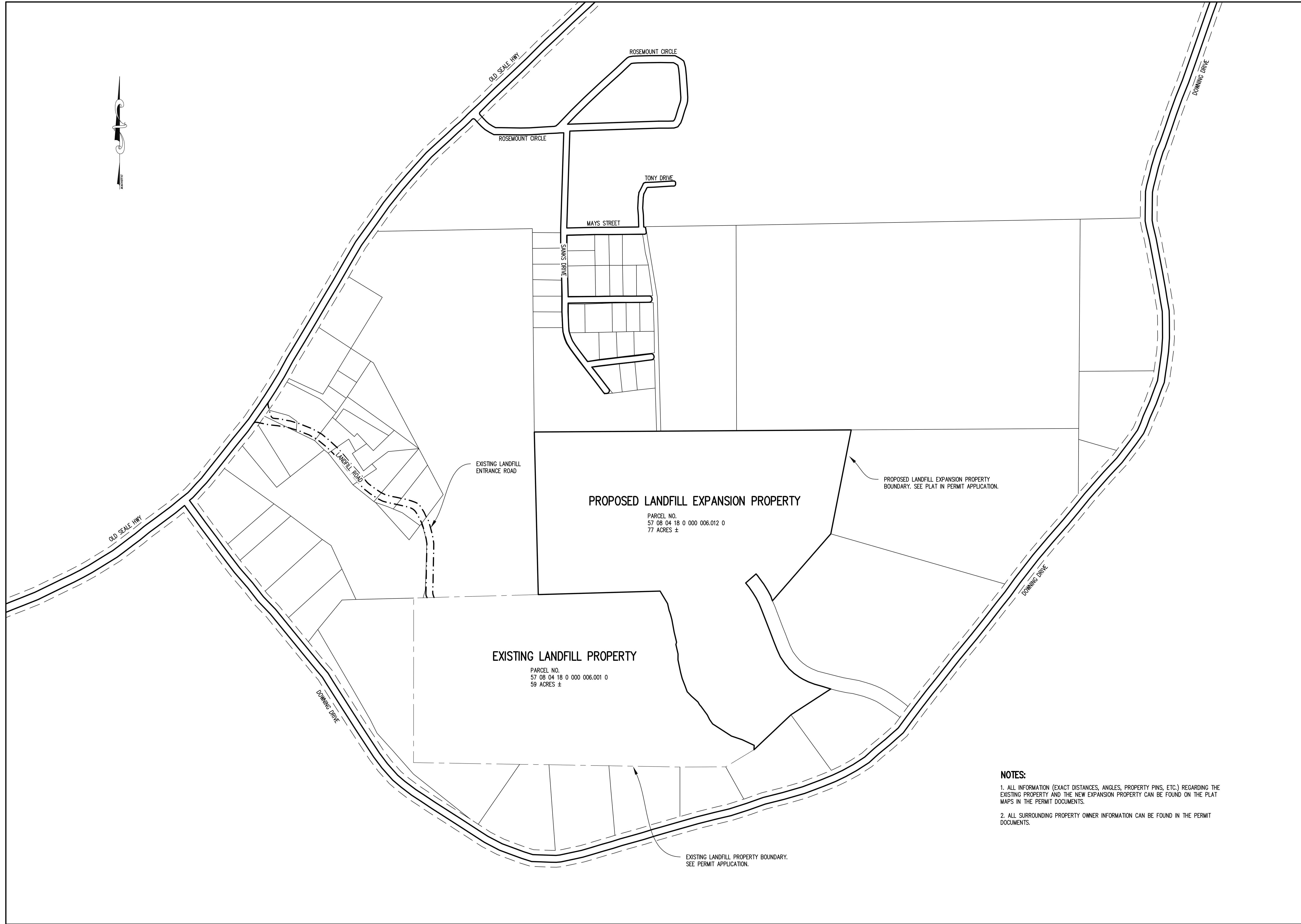
Municipal Consultants, Inc.
 200 Oakley Park South, Suite 212
 Birmingham, Alabama 35226
 (205) 622-0387

THE CITY OF PHENIX CITY
 C&D LANDFILL EXPANSION
 57-08 PERMIT MODIFICATION
 2023



BAR = 1"

Drawing Project No.	Title	
	12 - 2023	LOCATION MAP
Date	NONE	REVISED ADEM PERMIT SET
Scale	2	
Sheet		



PROPOSED LANDFILL EXPANSION PROPERTY

PARCEL NO.
57 08 04 18 0 000 006.012 0
77 ACRES ±

PROPOSED LANDFILL EXPANSION PROPERTY
BOUNDARY. SEE PLAT IN PERMIT APPLICATION.

EXISTING LANDFILL PROPERTY

PARCEL NO.
57 08 04 18 0 000 006.001 0
59 ACRES ±

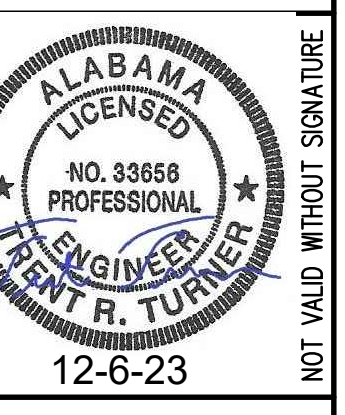
EXISTING LANDFILL PROPERTY BOUNDARY.
SEE PERMIT APPLICATION.

NOTES:

1. ALL INFORMATION (EXACT DISTANCES, ANGLES, PROPERTY PINS, ETC.) REGARDING THE EXISTING PROPERTY AND THE NEW EXPANSION PROPERTY CAN BE FOUND ON THE PLAT MAPS IN THE PERMIT DOCUMENTS.
2. ALL SURROUNDING PROPERTY OWNER INFORMATION CAN BE FOUND IN THE PERMIT DOCUMENTS.

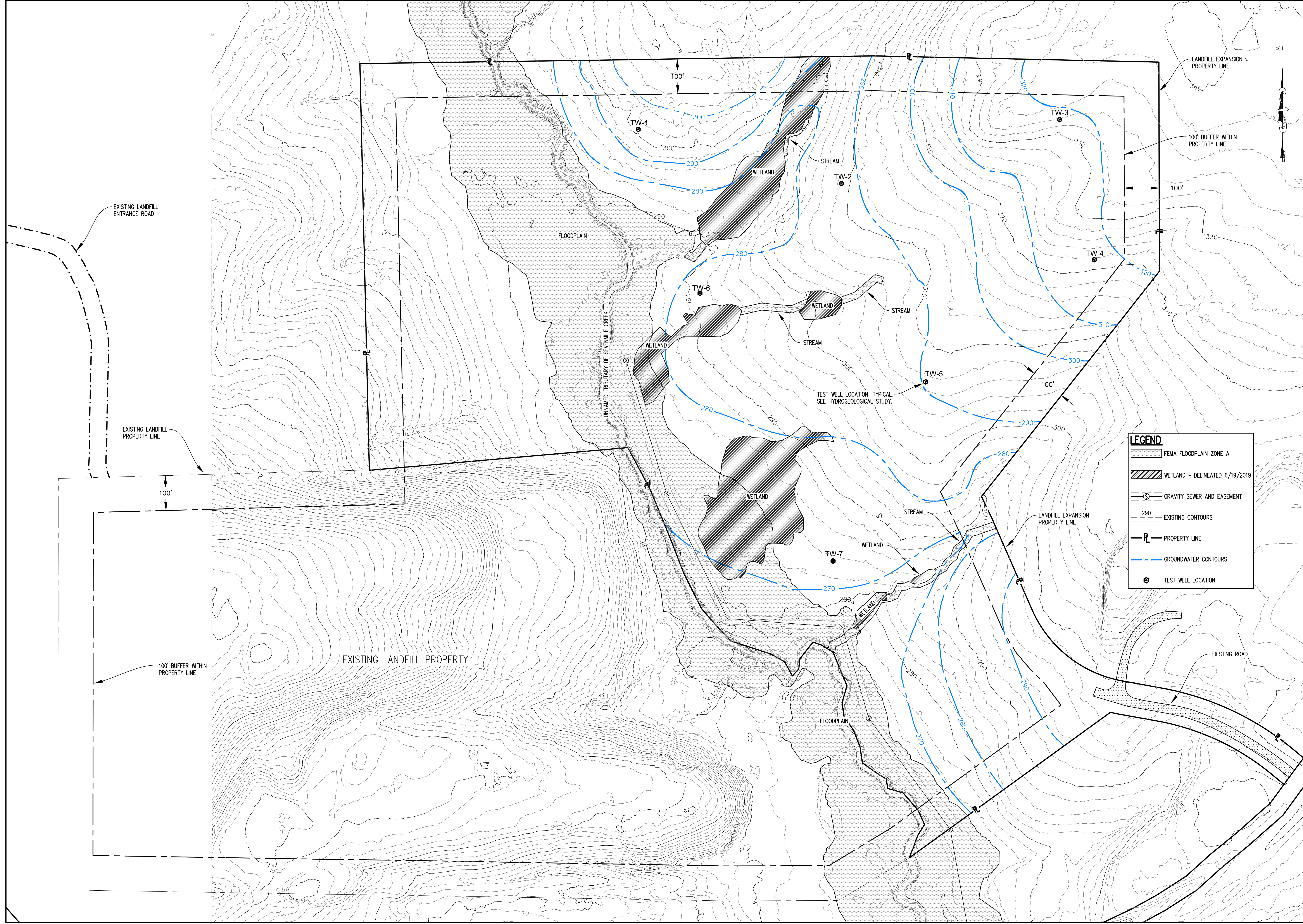
**Municipal
Consultants,
Inc.**
200 Century Park South, Suite 212
Phenix City, Alabama 35246
(205) 822-0387

THE CITY OF PHENIX CITY
C&D LANDFILL EXPANSION
57-08 PERMIT MODIFICATION
2023

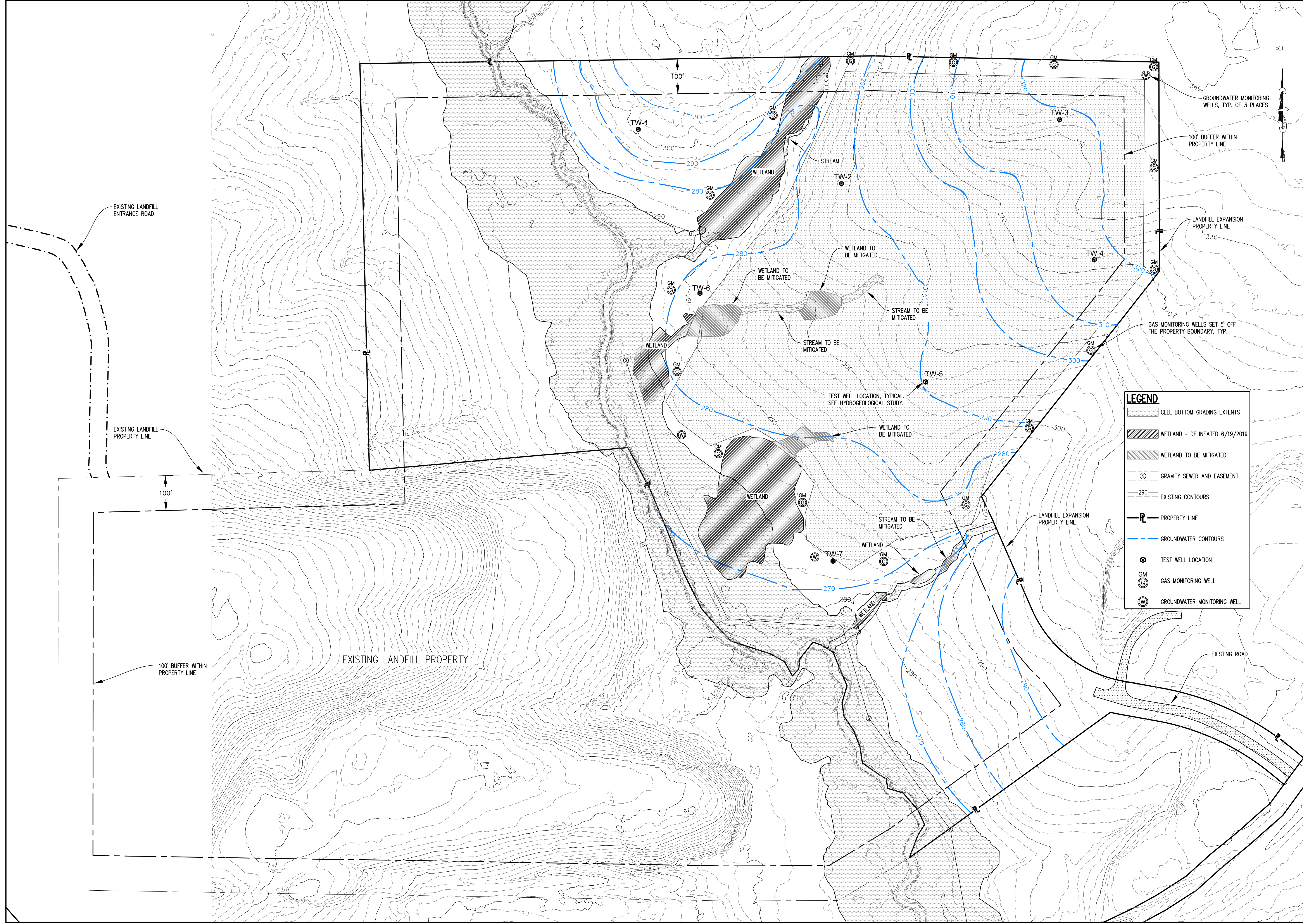


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Drawing Project No. Date Scale Sheet	Title	
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	12 - 2023	3



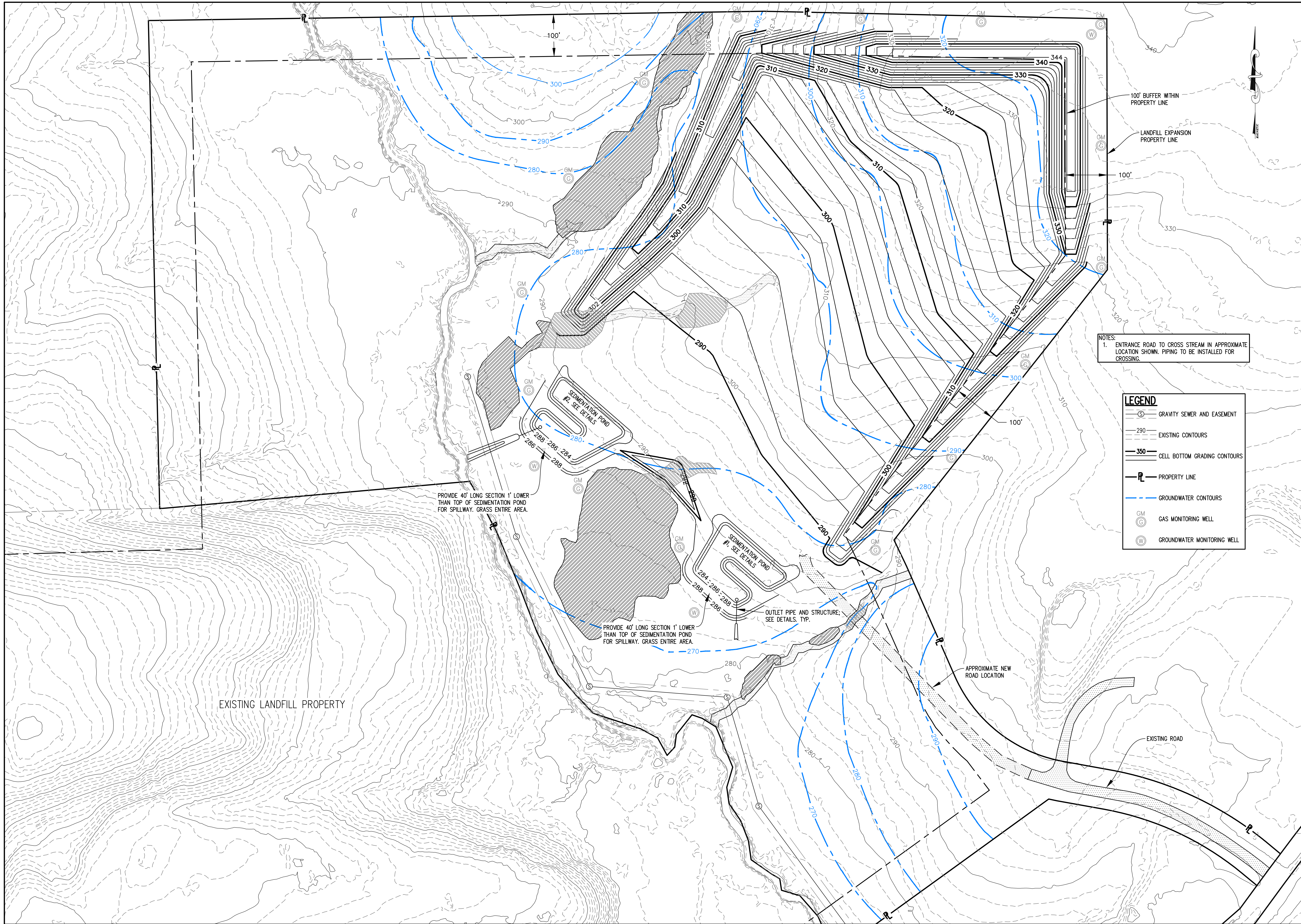
<p>Municipal Consultants, Inc. 200 Century Park, South, Suite 212 Birmingham, Alabama 35226 (205) 622-0387</p>	
<p>THE CITY OF PHENIX CITY C&D LANDFILL EXPANSION 57-08 PERMIT MODIFICATION</p>	
<p>2023</p>	
<p>ALABAMA LICENSED PROFESSIONAL ENGINEER NO. 33658 R. TURNER 12-6-23</p>	
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<p>Title</p>	
<p>EXISTING CONTOURS AND GROUND WATER CONTOURS</p>	
<p>Drawing Project No.</p>	<p>12 - 2023</p>
<p>Date</p>	<p>1" = 120'</p>
<p>Scale</p>	<p>4</p>
<p>Sheet</p>	<p>REVISED ADEM PERMIT SET</p>



LEGEND

- CELL BOTTOM GRADING EXTENTS
- WETLAND - DELINEATED 6/19/2019
- WETLAND TO BE MITIGATED
- GRAVITY SEWER AND EASEMENT
- EXISTING CONTOURS
- PROPERTY LINE
- GROUNDWATER CONTOURS
- TEST WELL LOCATION
- GAS MONITORING WELL
- GROUNDWATER MONITORING WELL

<p>Municipal Consultants, Inc. 200 Century Park South, Suite 212 Birmingham, Alabama 35226 (205) 622-0387</p>	
<p>THE CITY OF PHENIX CITY C&D LANDFILL EXPANSION 57-08 PERMIT MODIFICATION</p>	
<p>2023</p>	
<p>ALABAMA LICENSED PROFESSIONAL ENGINEER NO. 33658 R. TURNER 12-6-23</p>	
<p>NOT VALID WITHOUT SIGNATURE</p>	
<p>BAR = 1"</p>	
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<p>Date</p>	<p>1" = 120'</p>
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<p>Sheet</p>	<p>REVISED ADEM PERMIT SET</p>

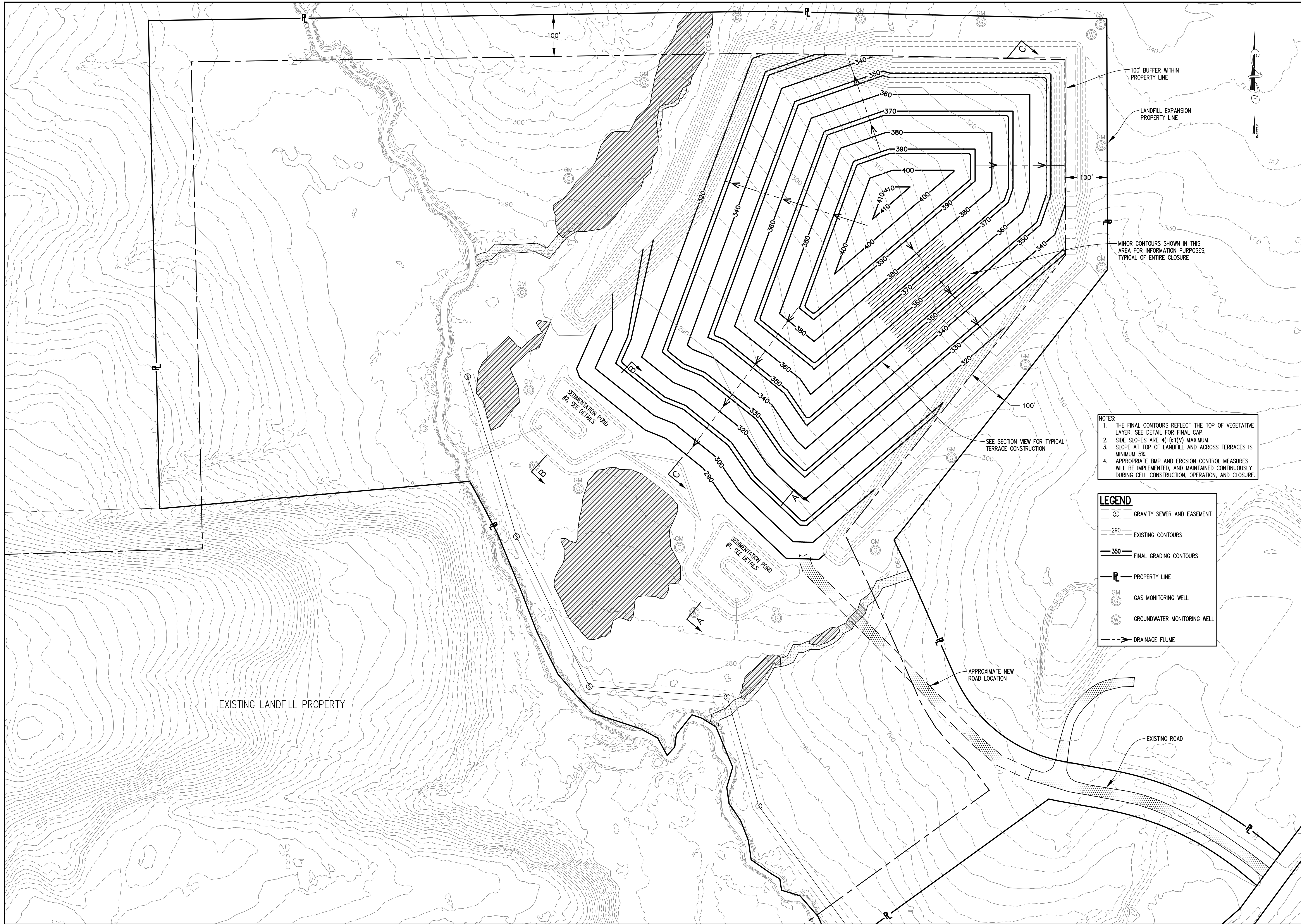


NOTES:
 1. ENTRANCE ROAD TO CROSS STREAM IN APPROXIMATE LOCATION SHOWN. PIPING TO BE INSTALLED FOR CROSSING.

LEGEND

- GRAVITY SEWER AND EASEMENT
- EXISTING CONTOURS
- CELL BOTTOM GRADING CONTOURS
- PROPERTY LINE
- GROUNDWATER CONTOURS
- GAS MONITORING WELL
- GROUNDWATER MONITORING WELL

Municipal Consultants, Inc. 200 Cahley Park, South, Suite 212 Birmingham, Alabama 35226 (205) 622-0387	
THE CITY OF PHENIX CITY C&D LANDFILL EXPANSION 57-08 PERMIT MODIFICATION 2023	
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Drawing	Title
Project No.	CELL BOTTOM GRADING PLAN
Date	12 - 2023
Scale	1" = 100'
Sheet	6 REVISED ADEM PERMIT SET

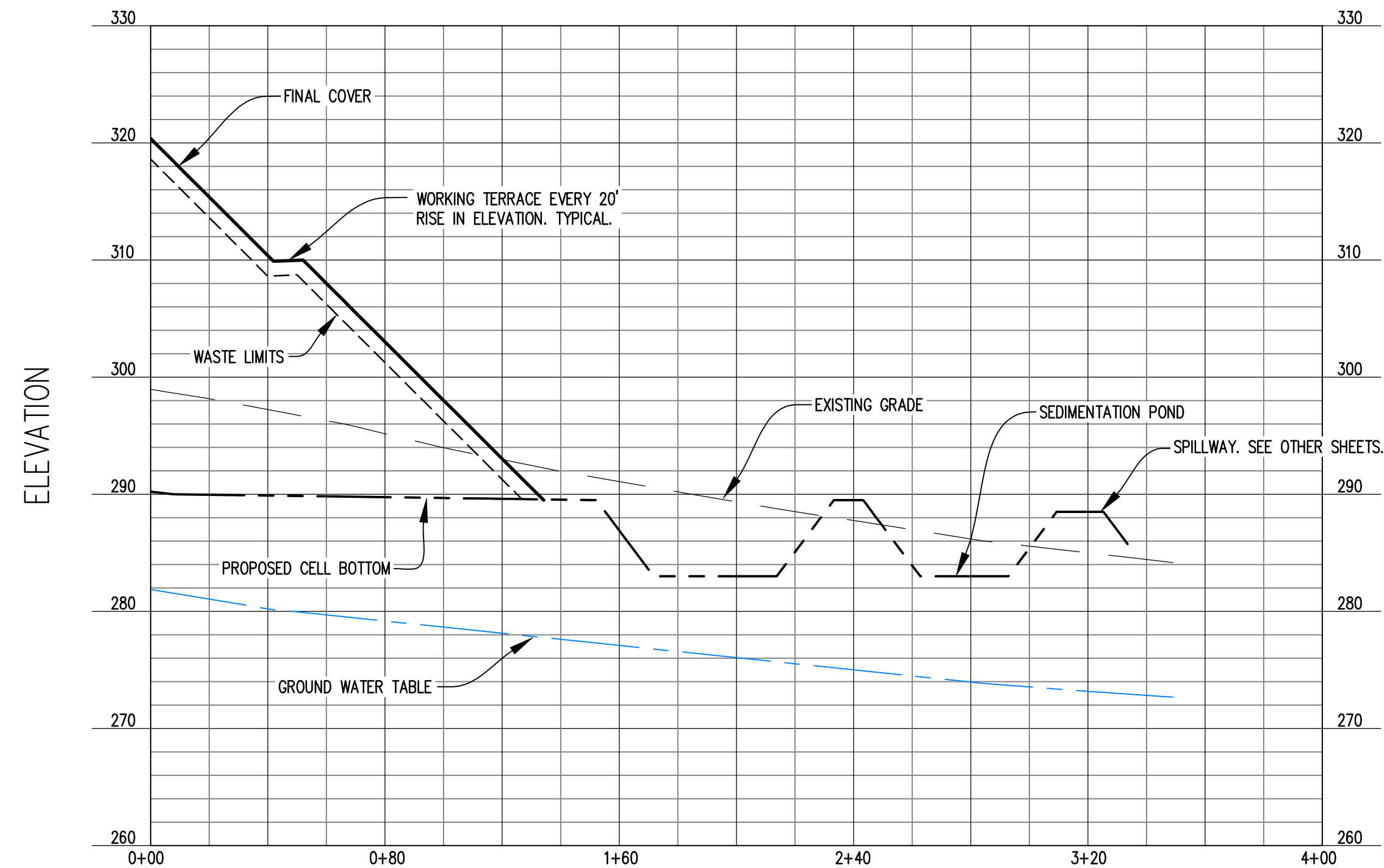


- NOTES:**
1. THE FINAL CONTOURS REFLECT THE TOP OF VEGETATIVE LAYER. SEE DETAIL FOR FINAL CAP.
 2. SIDE SLOPES ARE 4(H):1(V) MAXIMUM.
 3. SLOPE AT TOP OF LANDFILL AND ACROSS TERRACES IS MINIMUM 5%.
 4. APPROPRIATE BMP AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED, AND MAINTAINED CONTINUOUSLY DURING CELL CONSTRUCTION, OPERATION, AND CLOSURE.

LEGEND

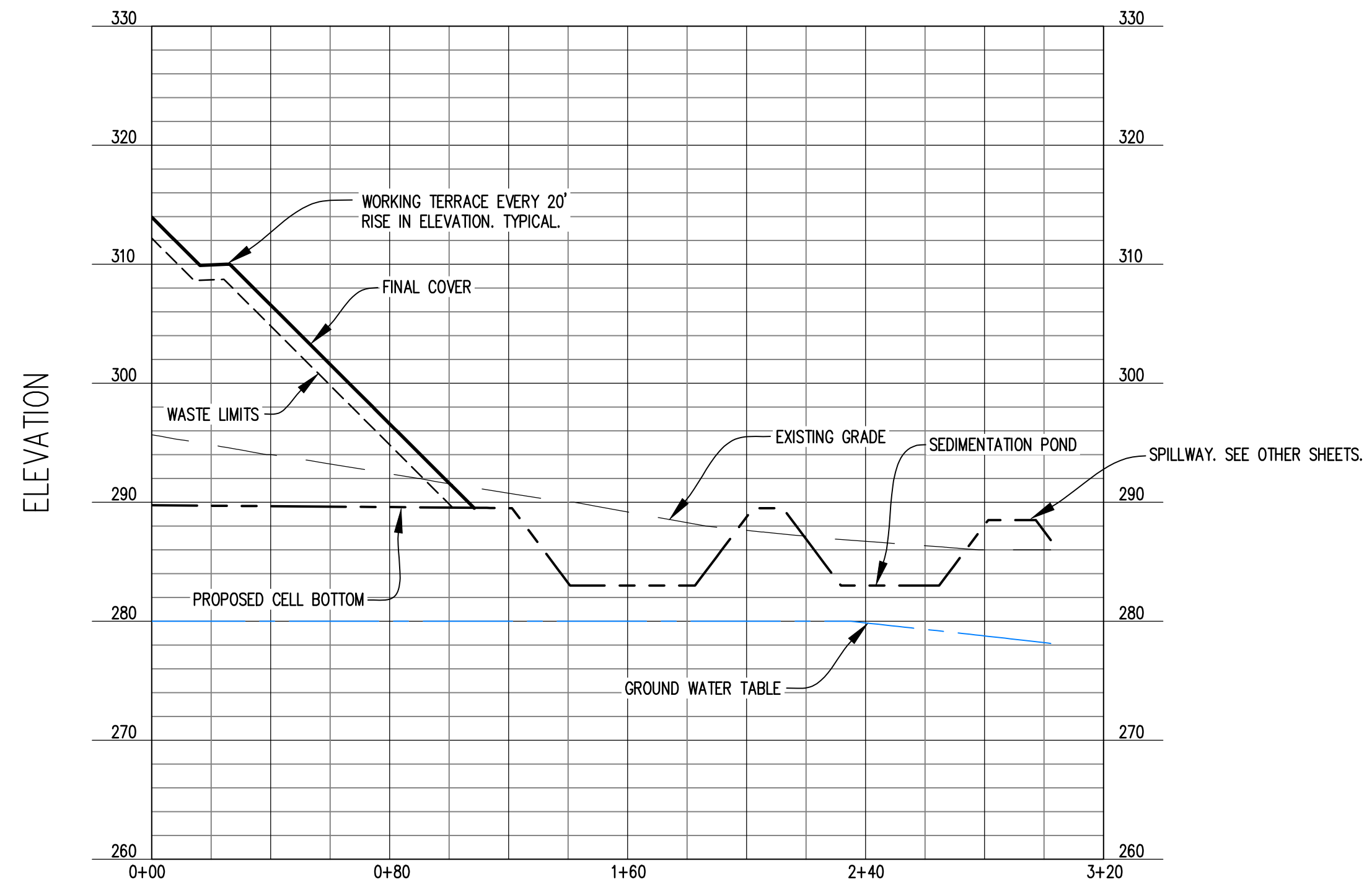
	GRAVITY SEWER AND EASEMENT
	EXISTING CONTOURS
	FINAL GRADING CONTOURS
	PROPERTY LINE
	GAS MONITORING WELL
	GROUNDWATER MONITORING WELL
	DRAINAGE FLUME

<p>Municipal Consultants, Inc. 200 Cahley Park, South, Suite 212 Birmingham, Alabama 35226 (205) 622-0387</p>		<p>THE CITY OF PHENIX CITY</p>	
		<p>C&D LANDFILL EXPANSION 57-08 PERMIT MODIFICATION</p>	
<p>2023</p>		<p>ALABAMA LICENSED PROFESSIONAL ENGINEER NO. 33658 R. TURNER 12-6-23</p>	
<p>NOT VALID WITHOUT SIGNATURE</p>		<p>BAR = 1"</p>	
<p>Project No. 12 - 2023</p>		<p>Title CELL CLOSURE GRADING PLAN</p>	
<p>Date 12 - 2023</p>		<p>Scale 1" = 100'</p>	
<p>Sheet 7</p>		<p>REVISED ADEM PERMIT SET</p>	



SECTION A

SCALE: HORIZONTAL 1" = 40'
VERTICAL 1" = 10'

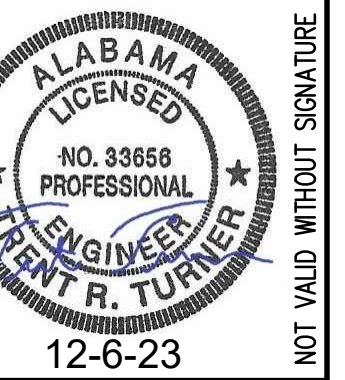


SECTION B

SCALE: HORIZONTAL 1" = 40'
VERTICAL 1" = 10'

NOTES:

1. SEE DETAILS FOR FINAL COVER LAYER.
2. SIDE SLOPES ARE 4(H):1(V) MAXIMUM.
3. SLOPE AT TOP OF LANDFILL AND ACROSS TERRACES IS MINIMUM 5%.
4. APPROPRIATE BMP AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED, AND MAINTAINED CONTINUOUSLY DURING CELL CONSTRUCTION, OPERATION, AND CLOSURE.

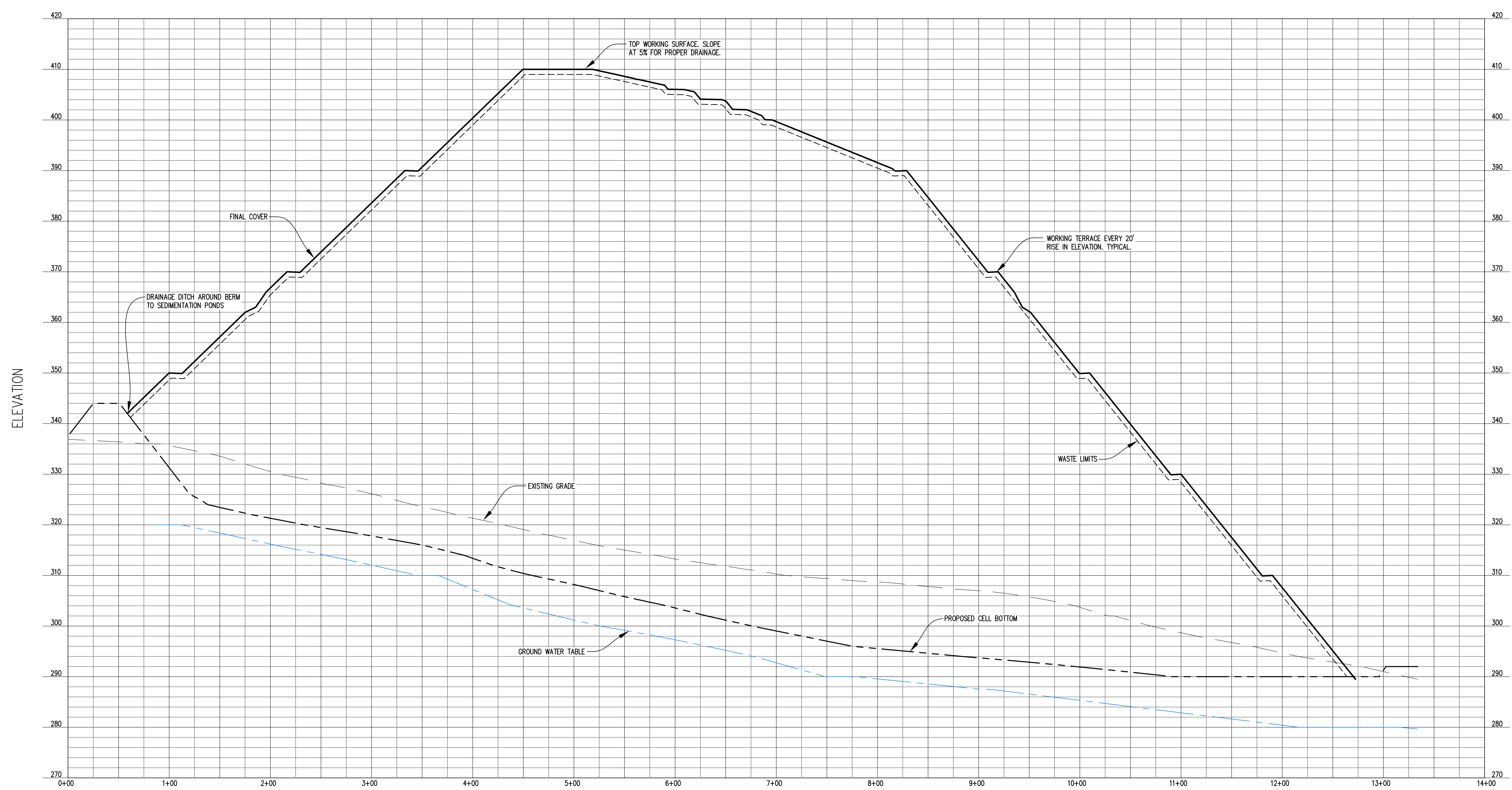


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BAR = 1"

Drawing	Title	
	SEDIMENTATION POND SECTIONS	
Project No.	12 - 2023	REVISED ADEM PERMIT SET
Date	AS SHOWN	
Scale	8	
Sheet		

- NOTES:**
1. SEE DETAILS FOR FINAL COVER LAYER.
 2. SIDE SLOPES ARE 4(H):1(V) MAXIMUM.
 3. SLOPE AT TOP OF LANDFILL AND ACROSS TERRACES IS MINIMUM 5%.
 4. APPROPRIATE BMP AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED, AND MAINTAINED CONTINUOUSLY DURING CELL CONSTRUCTION, OPERATION, AND CLOSURE.



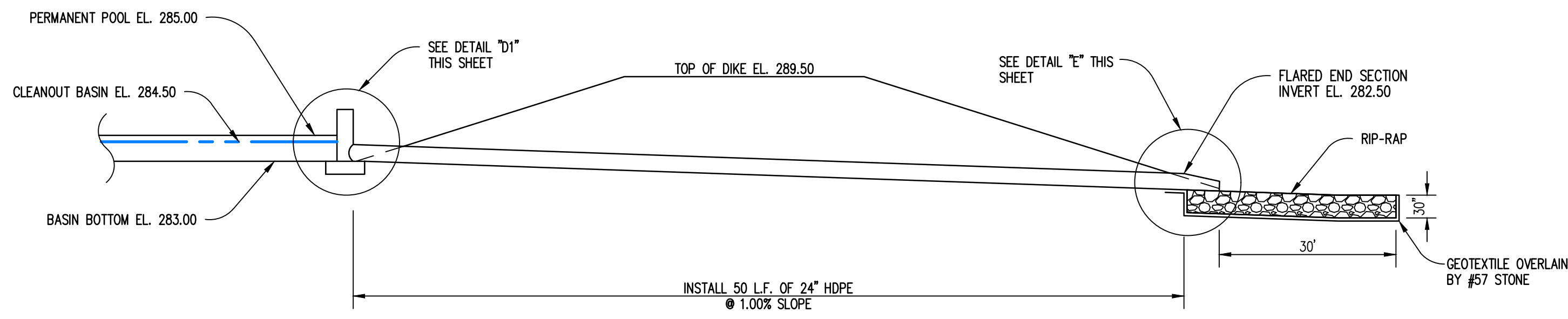
SECTION C
 SCALE: HORIZONTAL 1" = 50'
 VERTICAL 1" = 10'



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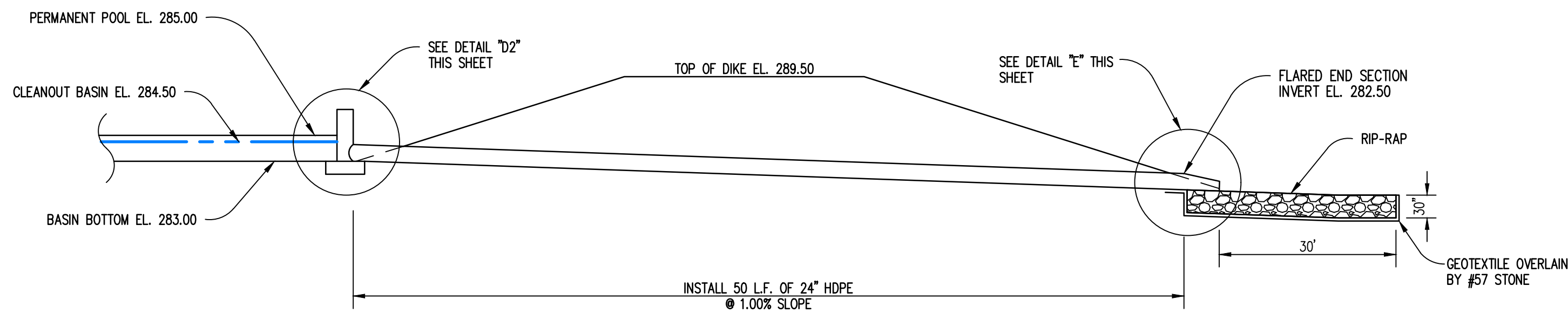
Drawing	Title	
	Project No.	LANDFILL CELL SECTION
Date	12 - 2023	REVISED ADEM PERMIT SET
Scale	AS SHOWN	
Sheet	9	

NOT VALID WITHOUT SIGNATURE



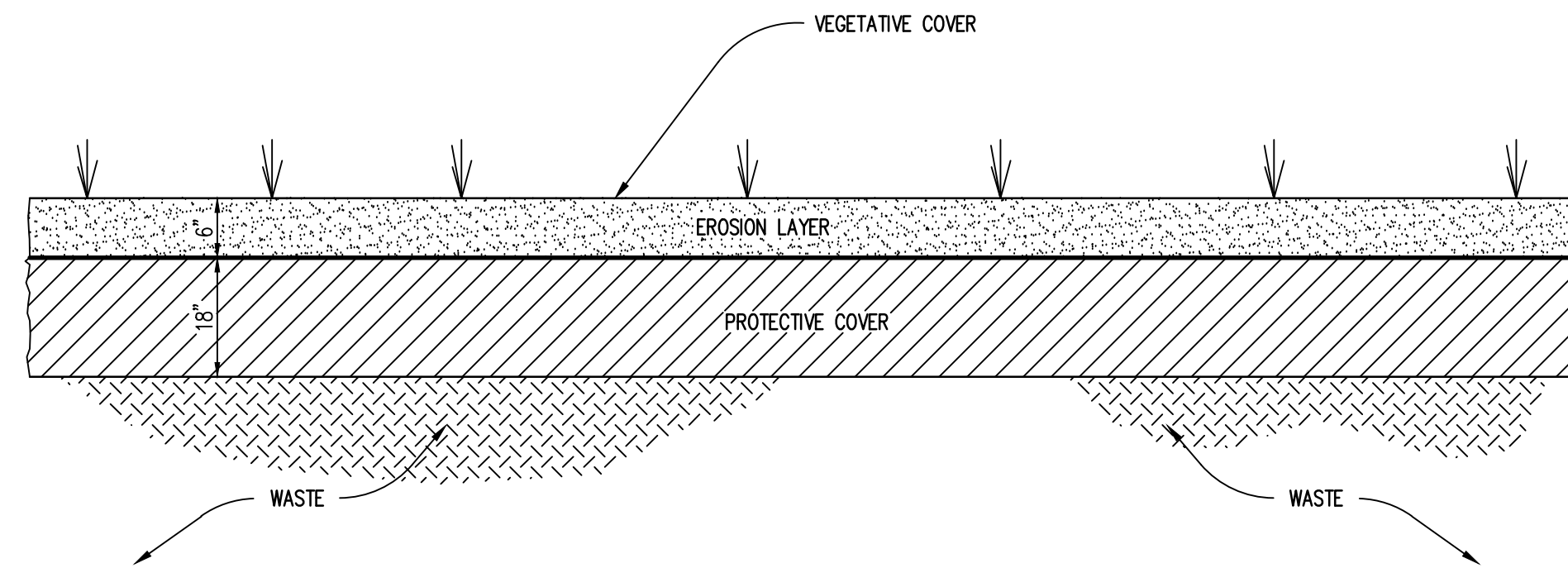
OUTLET STRUCTURE SEDIMENTATION POND #1

SCALE: N.T.S.



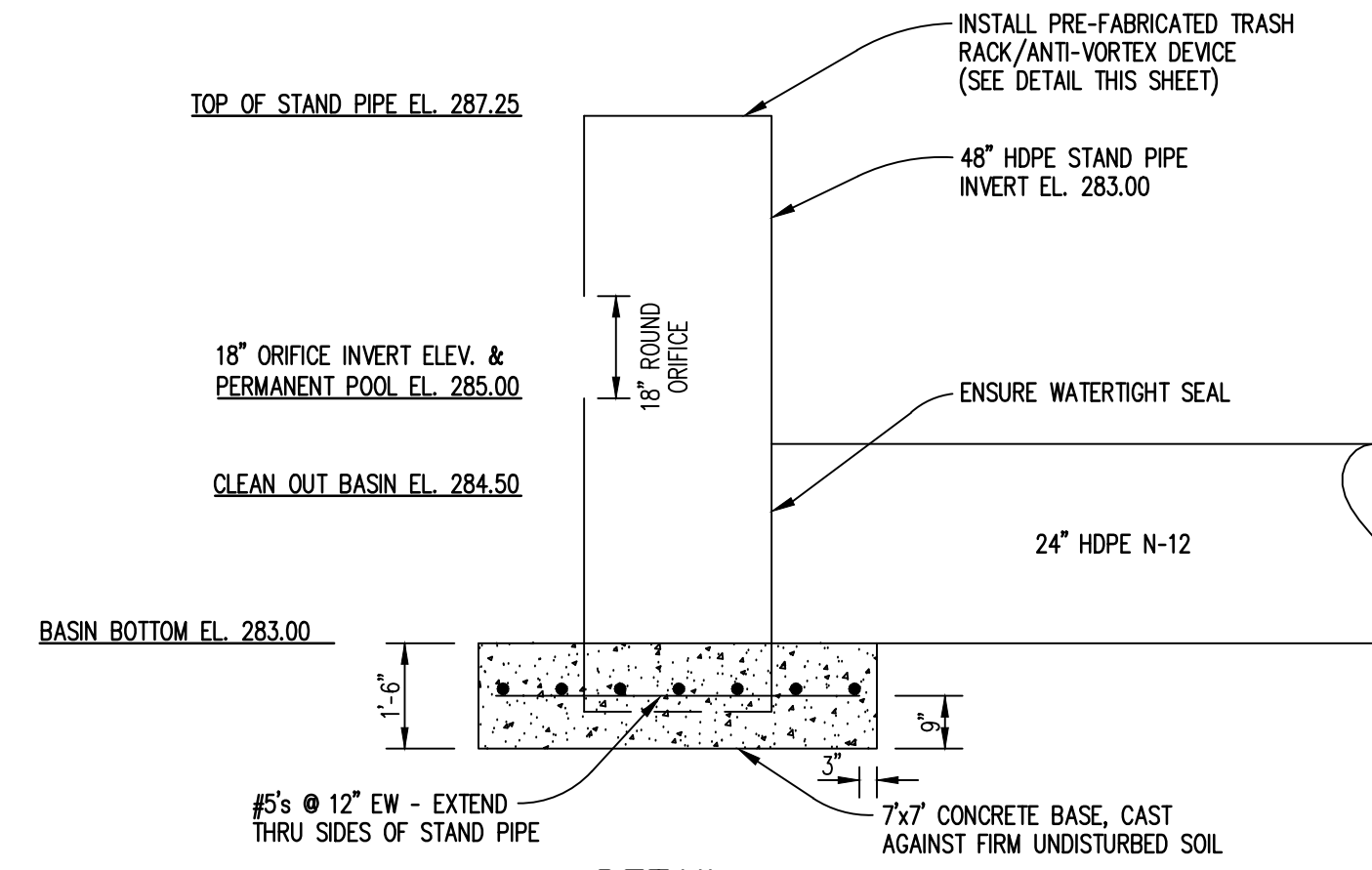
OUTLET STRUCTURE SEDIMENTATION POND #2

SCALE: N.T.S.



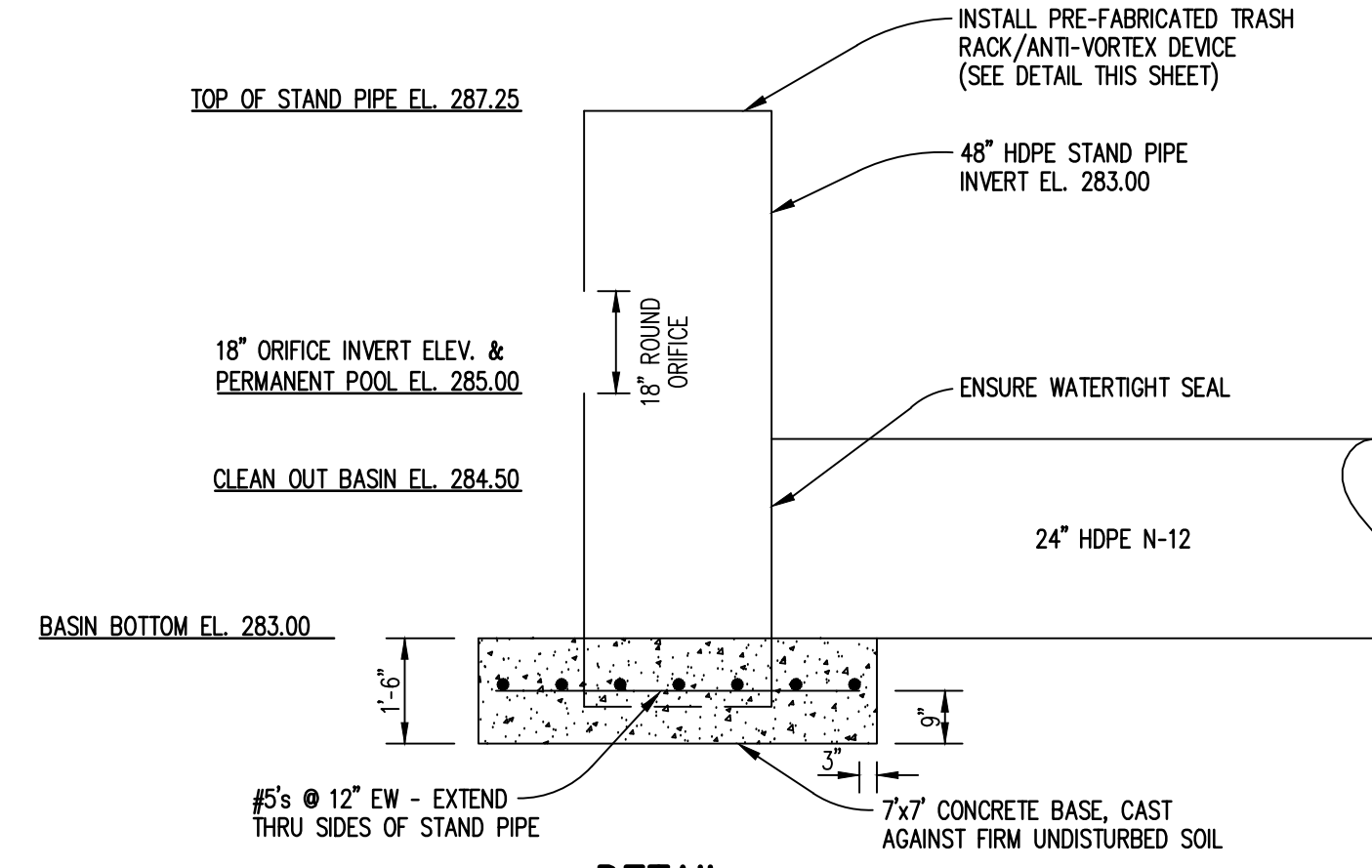
TYPICAL FINAL CAP DETAIL

SCALE: N.T.S.



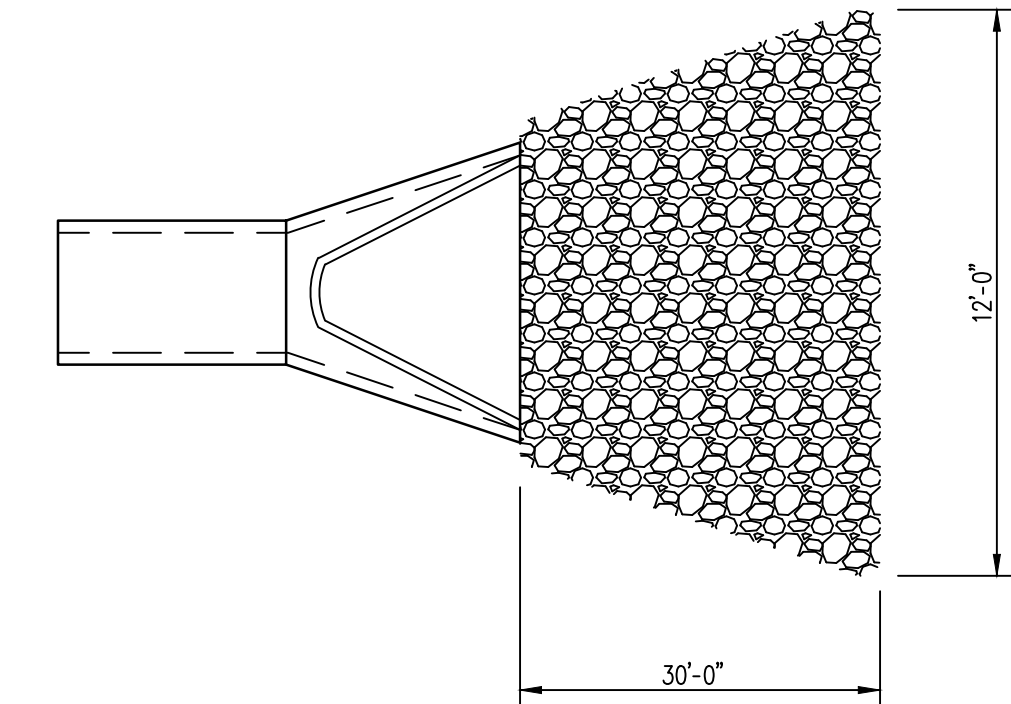
D1 DETAIL

SCALE: N.T.S.



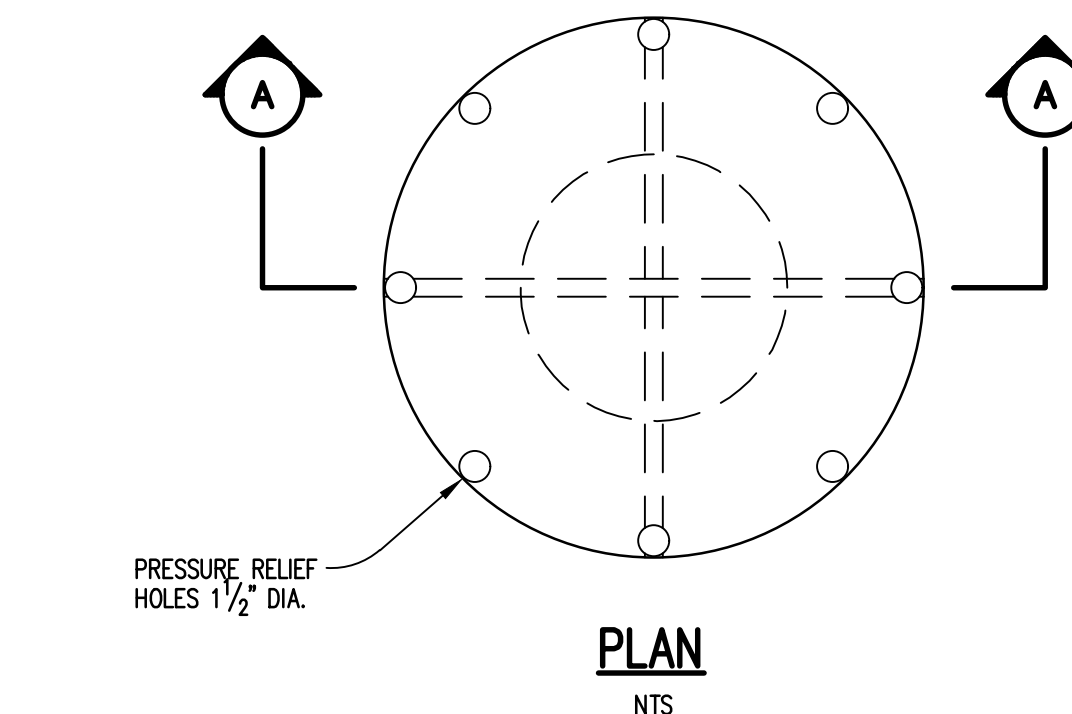
D2 DETAIL

SCALE: N.T.S.



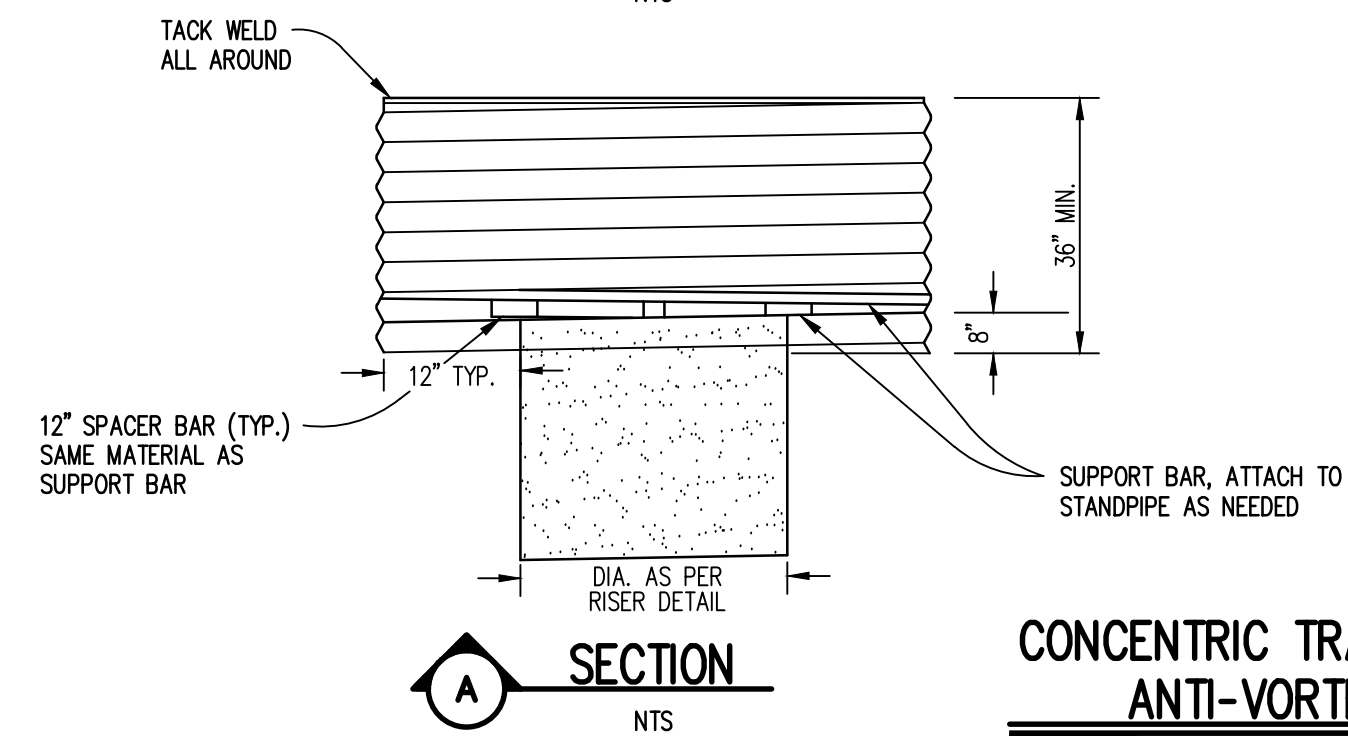
E DETAIL

SCALE: N.T.S.



PLAN

NTS

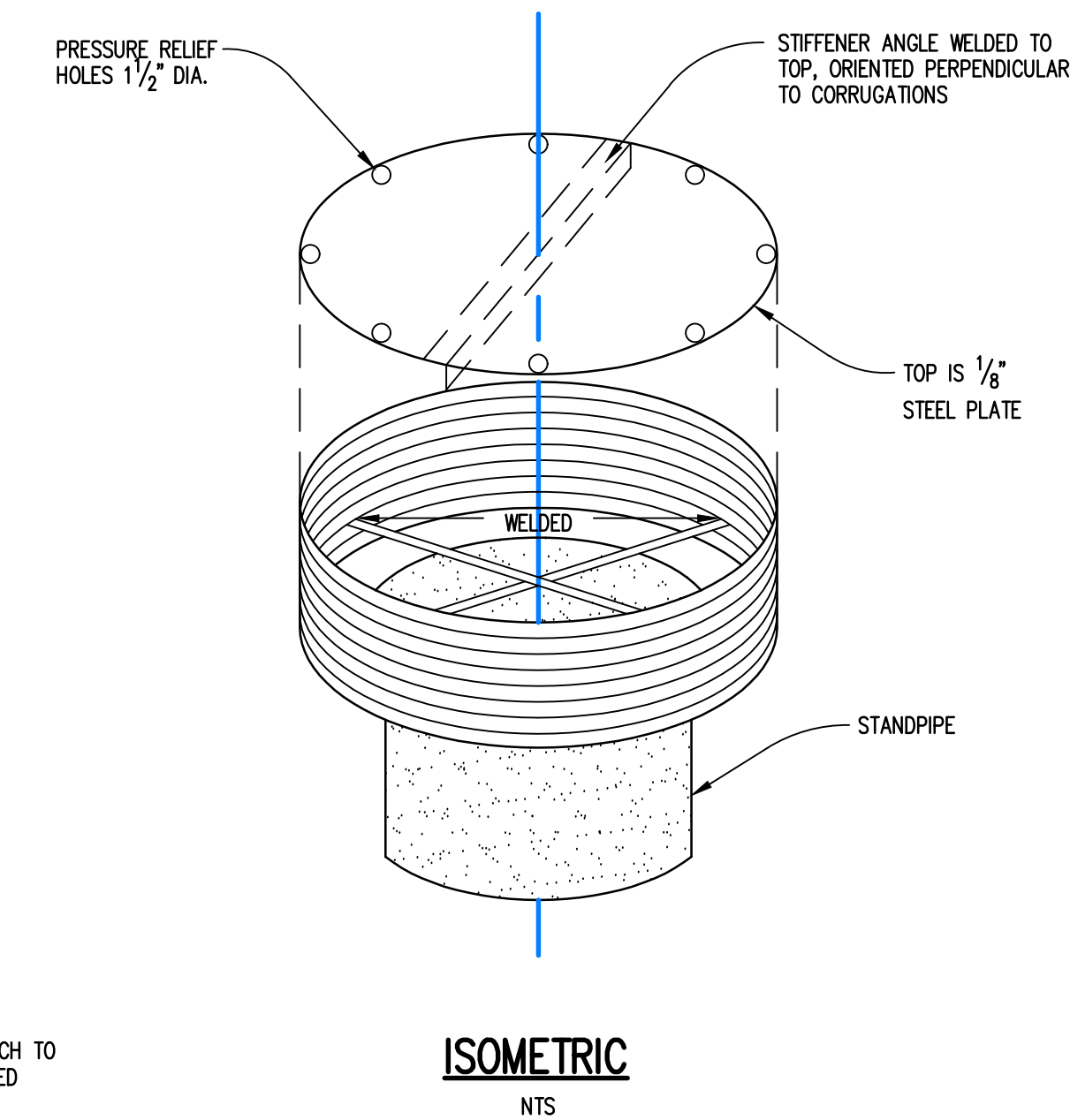


SECTION

NTS

CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE

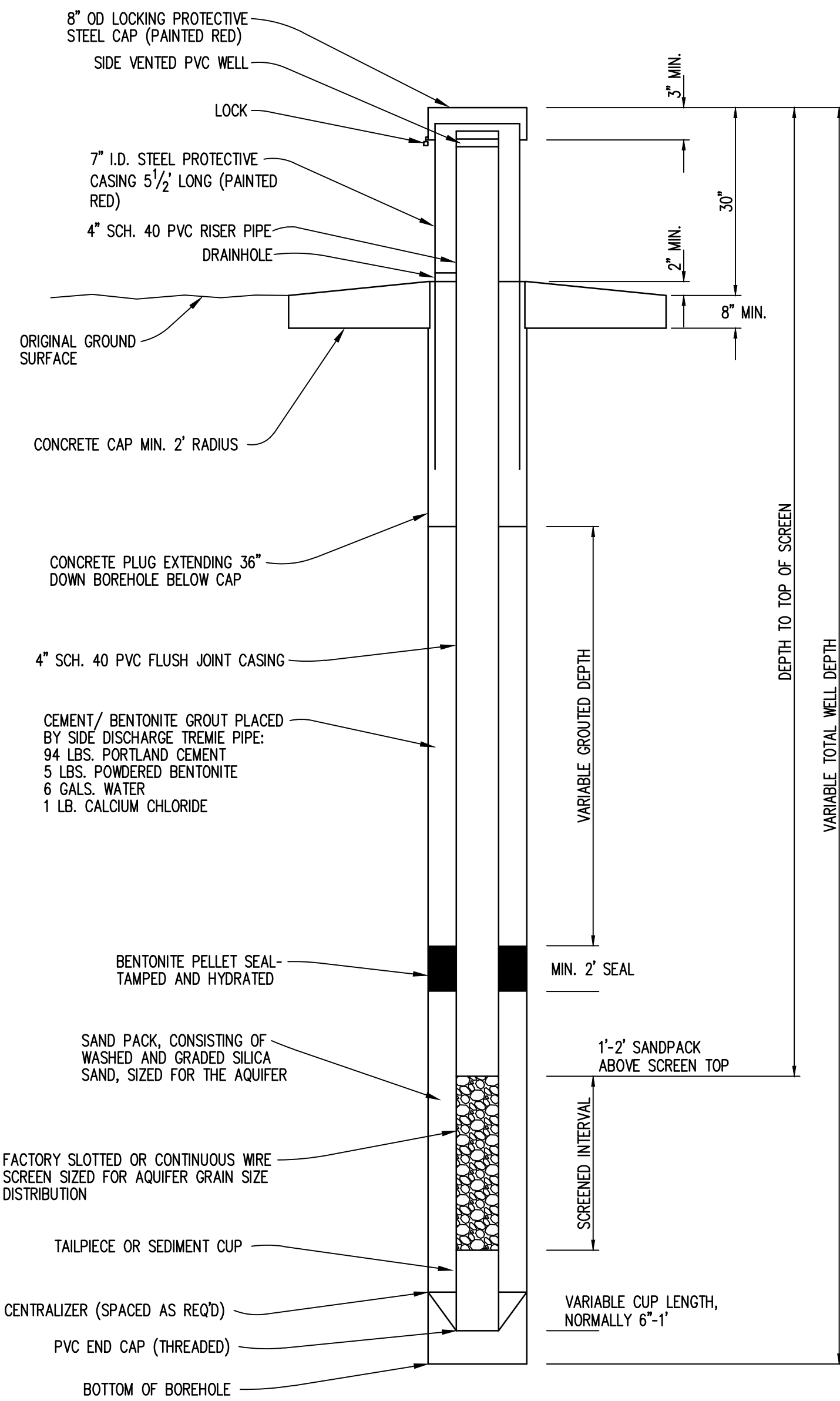
SCALE: NTS



ISOMETRIC

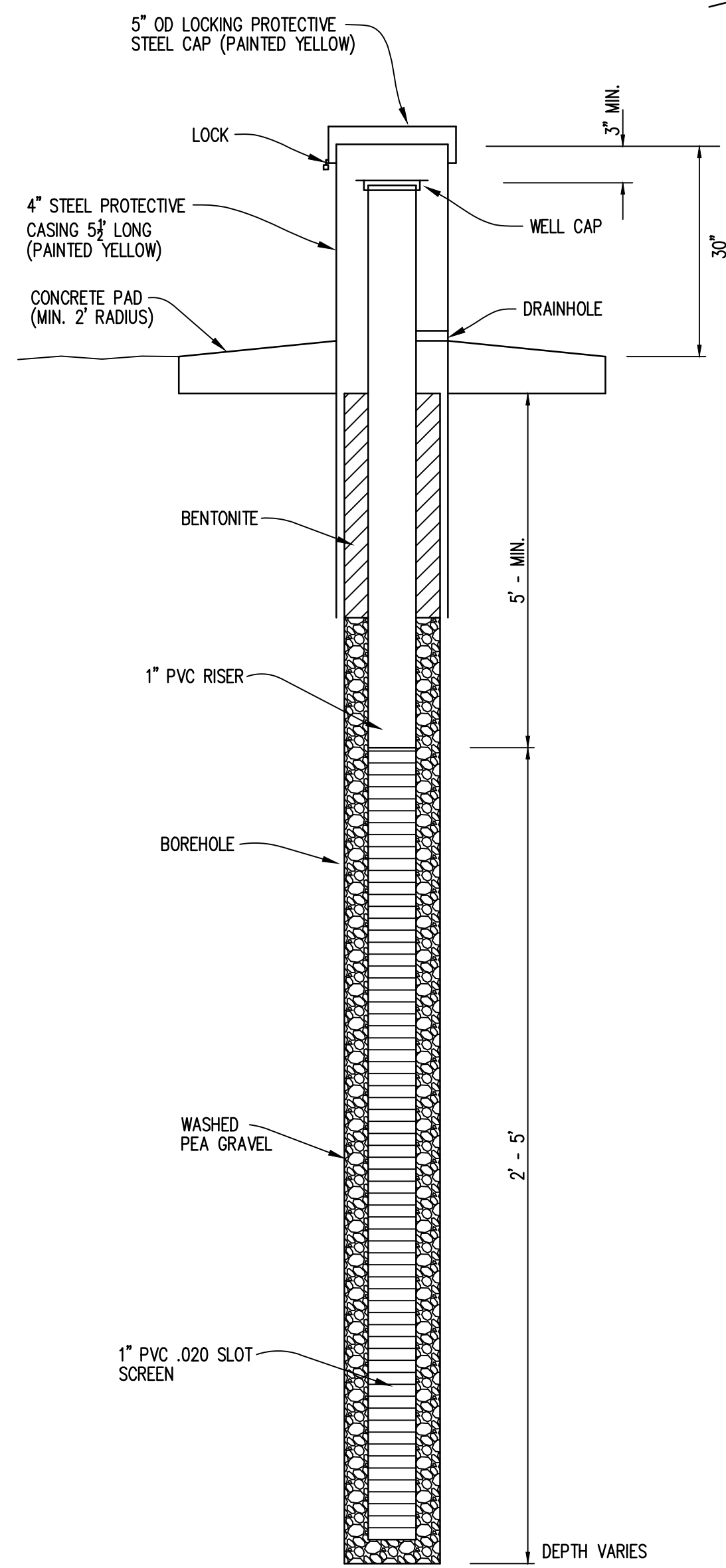
NTS

Title		LANDFILL DETAILS	
Drawing	Project No.	12 - 2023	NONE
Date	Scale	NONE	10
Sheet	REVISED ADEM PERMIT SET		



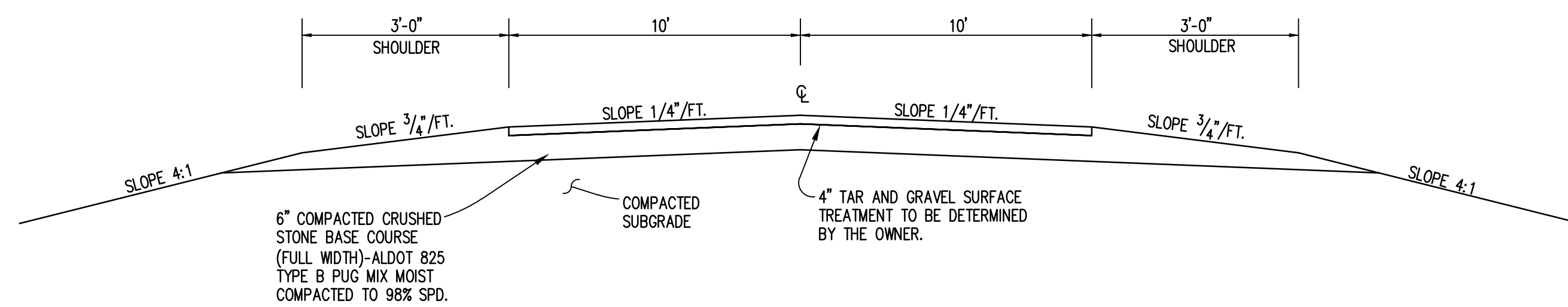
TYPICAL GROUND WATER MONITORING WELL DETAIL

SCALE: N.T.S.



TYPICAL METHANE GAS MONITORING WELL DETAIL

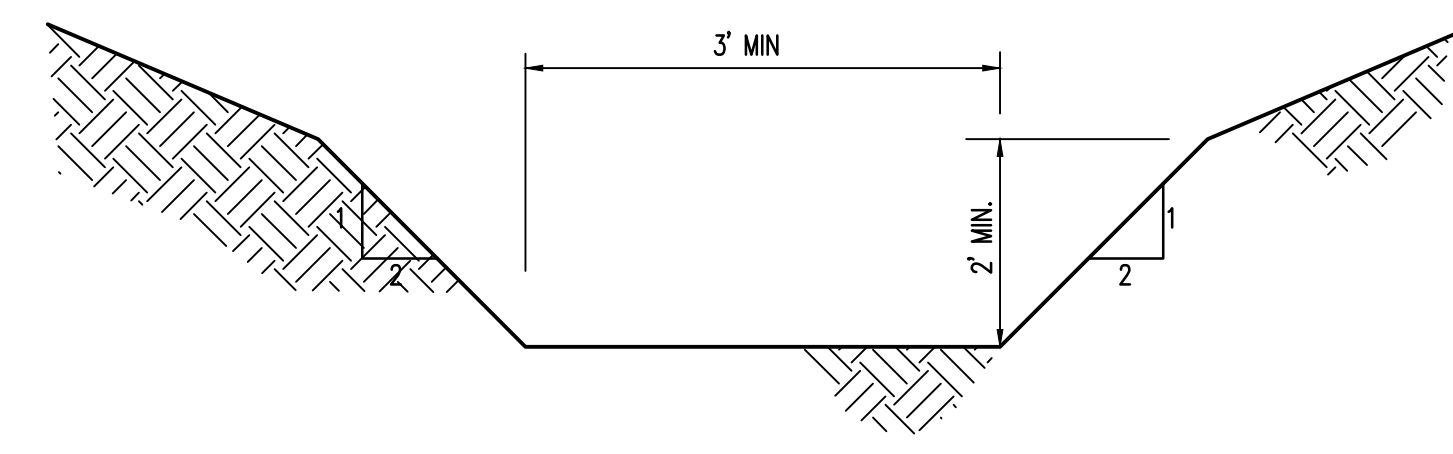
SCALE: N.T.S.



TYPICAL SECTION - TAR & GRAVEL PAVING

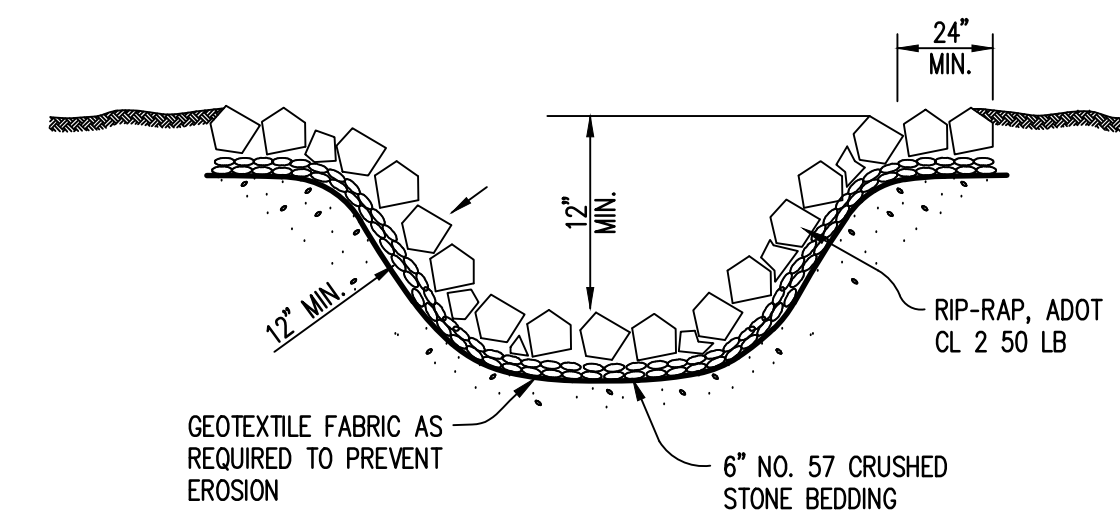
SCALE: N.T.S.

NOTE:
1. TYPICAL PAVING SECTION SHOWN WITH CROWN AND SLOPING SHOULDERS. PROVIDE DIFFERENT SLOPE ARRANGEMENTS WHERE REQ'D FOR DRAINAGE AND/OR BY GRADING PLANS.



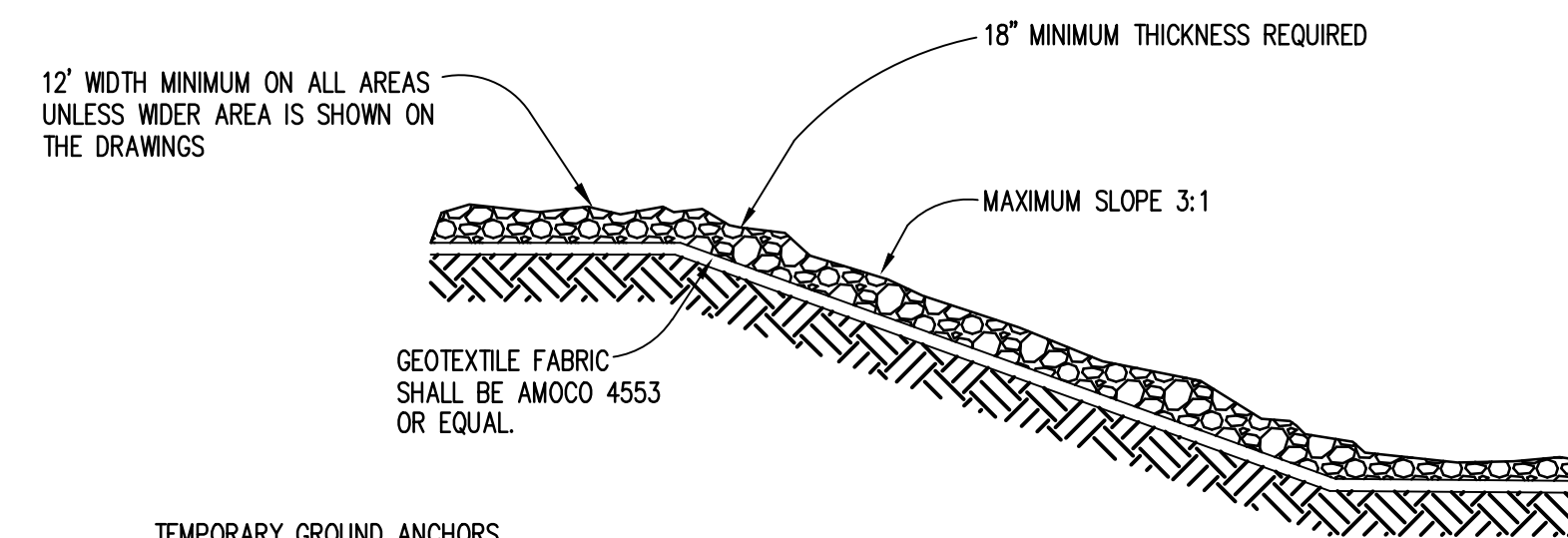
DRAINAGE DITCH DETAIL

SCALE: N.T.S.



RIP-RAP DRAINAGE FLUME SECTION

SCALE: NONE



TYPICAL RIP RAP PROTECTION

SCALE: N.T.S.

Drawing	Title	
	LANDFILL DETAILS	
	Project No.	12 - 2023
	Date	AS SHOWN
	Scale	11
Sheet	REVISED ADEM PERMIT SET	



DR. R. GRIFF GORDY
Mayor Pro Tem / At Large

STEVE BAILEY
Councilmember District 1

EDDIE N. LOWE
Mayor

VICKEY F. CARTER
Councilmember District 2

ARTHUR L. DAY, JR.
Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
ANGEL MOORE, P.E., City Engineer
Director of Engineering / Director of Public Works

MEMORANDUM

To: Eddie N. Lowe, Mayor; Wallace B. Hunter, City Manager *WBF*

From: Angel Moore, City Engineer / Public Works Director

Date: March 5, 2024

RE: Phenix City C/D Landfill Permit Renewal – Revision

The City of Phenix City has submitted documents for the renewal of the Phenix City C/D Landfill. An error on the permit application was identified by ADEM. The error has been corrected and revision signatures are needed for submission.

If you concur, please have the Mayor and City Manager sign the application with the revisions. If you have any questions, please let me know.

Cc: Shannon Davis, City Clerk
File

**SOLID WASTE DISPOSAL FACILITY
PERMIT APPLICATION PACKAGE**

January 16, 2018

MEMORANDUM

TO: Applicants Seeking a Permit for Solid Waste Facilities

FROM: Stephen A. Cobb, Chief
Land Division
Alabama Department of Environmental Management

RE: Processing Solid Waste Permits by ADEM

Any permit issued by ADEM must be in accordance with §22-27-48 and §22-27-48.1 Code of Alabama. This section indicates that ADEM may not consider an application for a new or modified permit unless such application has received approval by the affected unit of local government having an approved plan. ADEM, therefore, will require the following before it can process a new or modified permit application:

1. The local government having jurisdiction must approve the permit application in accordance with §22-27-48 and §22-27-48.1 Code of Alabama.
2. Local governments should follow the procedures outlined in §22-27-48 and §22-27-48.1 Code of Alabama and the siting standards included in the local approved plan in considering approval of a facility.

This procedure applies to applications for new or modified permits. ADEM cannot review an application unless it includes approval from the affected local government. This procedure shall not apply to exempted industrial landfills receiving waste generated on site only by the permittee.

Please contact the Solid Waste Branch of ADEM at (334) 274-4201 if there are any questions.

SAC/sss/abj

SOLID WASTE APPLICATION

PERMIT APPLICATION
SOLID WASTE DISPOSAL FACILITY
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Submit in Triplicate)

1. Facility type: Municipal Solid Waste Landfill (MSWLF)
 Industrial Landfill (ILF)
 Construction and Demolition Landfill (C/DLF)
 CCR Landfill (CCRLF)
 CCR Surface Impoundment (CCRSI)
 Other (explain) _____

2. Facility Name Phenix City C/D Landfill

3. Applicant/Permittee:

Name: City of Phenix City

Address: 601 12th Street Phenix City, AL 36867

Telephone: 334-448-2760

If applicant/permittee is a Corporation, please list officers:

Mayor - Eddie Lowe

4. Location: (include county highway map or USGS map)

Township 16 North Range 30 East
Section 18 County Russell

5. Land Owner:

Name: City of Phenix City

Address: 601 12th Street Phenix City, AL 36867

Telephone: 334-448-2760

(Attach copy of agreement from landowner if applicable.)

Solid Waste Permit Application
Page 2

6. Contact Person:

Name Angel Moore

Position or Affiliation City Engineer / Director of Public Works

Address: 1206 7th Avenue Phenix City, AL 36867

Telephone: 334-448-2760

7. Size of Facility: 136 Acres Size of Disposal Area(s): 36.18 Acres

8. Identify proposed service area or specific industry that waste will be received from:

City of Phenix City Corporate Limits and all of Russell County, Alabama

9. Proposed maximum average daily volume to be received at landfill (choose one):

240 Tons/Day _____ Cubic Yards/Day

10. List all waste streams to be accepted at the facility (i.e., household solid waste, wood boiler ash, tires, trees, limbs, stumps, etc.):

Non-putrescible and non-hazardous construction and demolition waste, tires, shingles, cable, plastic, rubbish as defined by ADEM rule 335-13-1-.03, and roadside litter not containing household garbage

SIGNATURE (Responsible official of permit applicant):

Eddie Lowe / Wallace Hunter TITLE: Mayor / City Manager

Eddie Lowe / Wallace Hunter
(please print or type name)

DATE: 8/1/23

ADEM Form 439

Attest: Melony Lee
City Clerk

Revision Signature: Eddie Lowe

4 Wallace Hunter: Wallace B. Hunter

Attest: [Signature] Date: 3/5/24

ADDITIONAL REQUIRED INFORMATION

Applicants seeking to obtain a permit to construct and/or continue to operate a municipal solid waste (MSW) landfill, industrial landfill, construction and demolition (C/D) landfill, coal combustion residuals (CCR) landfill, or CCR surface impoundment are required to submit additional information as part of the Solid Waste Disposal Facility Permit Application. These additional information requirements vary depending on the facility type.

For new and existing landfill units, refer to ADEM Admin Code 335-13-5-.02 for a list of additional information to be submitted in the permit application. Some requirements apply only to MSW landfills and CCR landfills, while other requirements apply to industrial landfills and C/D landfills. You need only to address the requirements that pertain to your type landfill. For new and existing CCR surface impoundments, refer to ADEM Admin Code 335-13-15-.09 for additional information to be submitted in the permit application.

Each rule that is applicable to your type landfill or surface impoundment must be addressed in detail in the operational narrative and/or engineering drawings before the review process can be completed. All operational narratives, engineering drawings, survey maps and legal descriptions are to be prepared by licensed engineers or surveyors registered in the State of Alabama and with their stamp or seal on each drawing/map and cover of the narrative.

Act No. 89-824 Section 9(a) states "The department may not consider an application for a new or modified permit for a facility unless such application has received approval by the affected unit of local government having an approved plan." This document must be received by the Department prior to processing the application.

The referenced rules are covered in greater detail in ADEM's Administrative Code, Division 13. Clarification can be obtained by reviewing the regulations. Copies of the ADEM Administrative Code, Division 13 regulations, can be obtained for a fee by contacting ADEM's Permits and Services Division. If the Department can answer any questions, please contact the Solid Waste Branch at (334) 274-4201.



DR. R. GRIFF GORDY
Mayor Pro Tem / At Large

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Councilmember District 1

EDDIE N. LOWE
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Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
ANGEL MOORE, P.E., City Engineer
Director of Engineering / Director of Public Works

March 5, 2024

Mr. Jared D. Kelly
Land Division – Solid Waste Engineering Section
Alabama Department of Environmental Management
1400 Coliseum Blvd.
Montgomery, AL 36130-1463

Re: Phenix City C/D Landfill Renewal - Permit 57-08

Dear Chief Kelly,

The City of Phenix City would like to extend the variances described in section VIII of our current permit, shown below.

1. The permittee is granted a variance from ADEM Rule 335-13-4-.20(2)(c) requiring a final slope of 4 to 1 (25%). The permittee is allowed to increase the final slope not to exceed 3 to 1 (33%). (See Section VII.A.)
2. The Permittee has been granted a variance from ADEM Rule 335-13-4-.20(2)(c) 3. requiring horizontal terraces for every 20 feet rise in elevation for slopes longer than 25 feet (See Section 1.E.12).

If you have any questions or concerns regarding this application please contact our office at 334-448-2760.

Sincerely,

Angel Moore, P.E.
City Engineer/Public Works Director

FEE SHEET FOR SOLID WASTE PERMITS

ADEM No.: 9600

Applicant: City of Phenix City

Location: 44 Landfill Rd.

Phenix City, AL, 36869

Coordinates: 32.37793623, -85.07067553

Permit No.: 57-08

Date Application Received: 08/07/23

Permit Fees Required	Initial Issuance	Modification	Reissuance	Total
Municipal Solid Waste Landfill	\$83,880		\$37,270	
Minor Modification ¹		\$3,275		
Major Modification ²		\$32,615		
Construction/Demolition Landfill	\$7,145		\$5,400	\$5,400
Minor Modification ¹		\$1,460		
Major Modification ²		\$2,915		
Industrial Landfill	\$12,670		\$8,150	
Minor Modification ¹		\$1,460		
Major Modification ²		\$4,375		
Compost Facility	\$4,860		\$3,670	
Minor Modification ¹		\$1,225		
Major Modification ²		\$1,945		
Environmental Covenants				
Engineering Controls	\$6,425	\$1,610		
Registry Fee for Class 1 Controls	\$13,705	\$635		
Registry Fee for Class 2 Controls	\$9,420	\$635		
Registry Fee for Class 3 Controls	\$5,245	\$635		

Additional Fees				
Geological Review:	\$4,865	\$3,275	\$3,275	
Greenfield Site:	\$1,610			
Public Hearing:	\$8,450	\$8,450	\$8,450	
Name Change/Transfer:		\$800		
Variance Request	\$1,460	\$1,460	\$1,460	
Solid Waste Disposal Notification	\$215	\$215	\$215	

¹ These are modifications as included in ADEM Admin. Code Rule 335-13-5-.06(2)

² These are modifications as included in ADEM Admin. Code Rule 335-13-5-.06(1)

RECEIVED

AUG 09 2023

**ADEM
EDDS**

Total Fee Due: _____
 Amount Submitted with Application: _____
 Amount Received: _____
 Amount to be Billed: _____
 Amount Received: _____
 Date Received: _____
 Amount to be Refunded: _____

\$5,400
\$5,400
\$5,400
\$0
MLC 8/9/23
0

Fee Schedule Prepared by: IGB

Date: 8/8/23

Fee Schedule Reviewed by: [Signature]

Date: 8/8/23

CK 151598

VENDOR NUMBER	VENDOR NAME	CHECK NUMBER	CHECK DATE	CHECK AMOUNT
5004	ADEM	151598	08/04/2023	\$5,400.00

INVOICE DATE	INVOICE NUMBER	DESCRIPTION	INVOICE AMOUNT
03/02/2023	304329	PERMIT RENEWAL FOR SOLID WASTE FACILITY	\$5,400.00

RECEIVED

AUG 09 2023

**ADEM
EDDS**



City of Phenix City, Alabama
601 12th Street
Phenix City, Alabama 36867
General Fund

Forwarding Service Requested

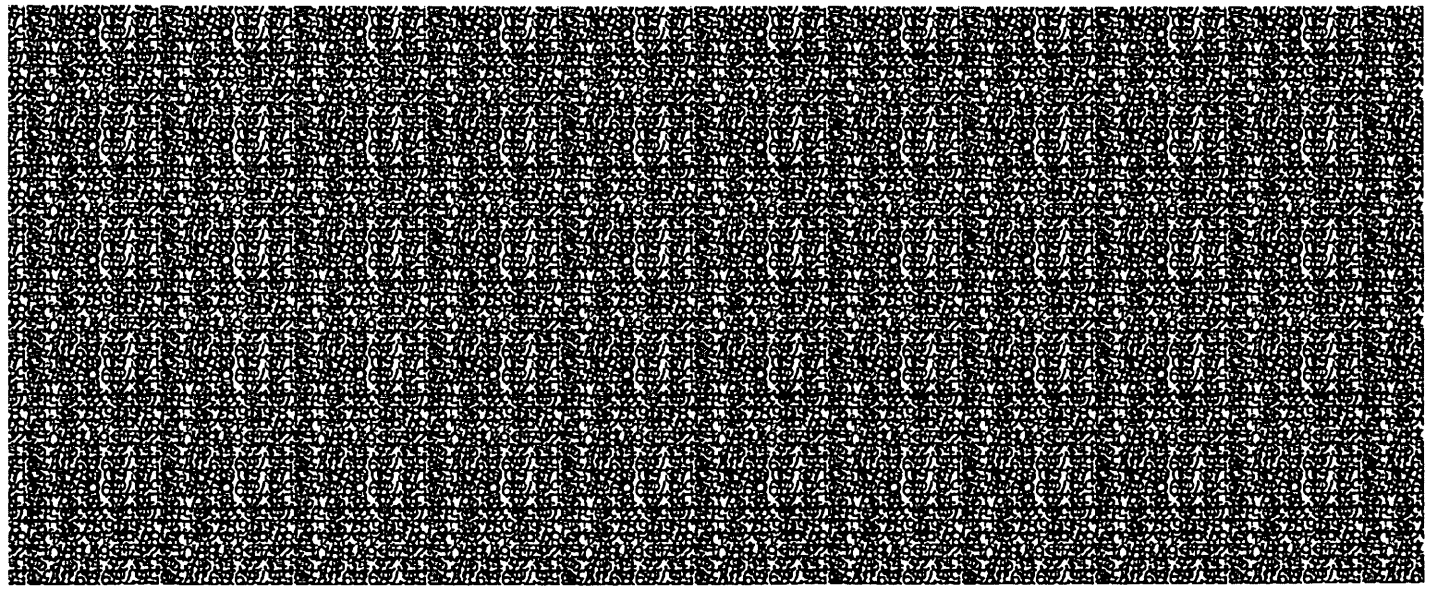
151598

ADEM
P. O. BOX 301463
MONTGOMERY, AL 36130-1463

RECEIVED

AUG 09 2023

**ADEM
EDDS**



FEE SHEET FOR SOLID WASTE PERMITS

ADEM No.: 9600

Applicant: City of Phenix City

Location: 44 Landfill Rd.

Phenix City, AL, 36869

Coordinates: 32.37793623, -85.07067553

Permit No.: 57-08

Date Application Received: 12/20/23

Permit Fees Required	Initial Issuance	Modification	Reissuance	Total
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Major Modification ²		\$32,615		
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Minor Modification ¹		\$1,460		\$1,460
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Industrial Landfill	\$12,670		\$8,150	
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Public Hearing:	\$8,450	\$8,450	\$8,450	
Name Change/Transfer:		\$800		
Variance Request	\$1,460	\$1,460	\$1,460	
Solid Waste Disposal Notification	\$215	\$215	\$215	

¹ These are modifications as included in ADEM Admin. Code Rule 335-13-5-.06(2)

² These are modifications as included in ADEM Admin. Code Rule 335-13-5-.06(1)

RECEIVED


JAN 04 2024

**ADEM
EDDS**

Total Fee Due:	\$1,460
Amount Submitted with Application:	\$1,460
Amount Received:	\$1,460
Amount to be Billed:	\$0
Amount Received:	
Date Received:	
Amount to be Refunded:	

Fee Schedule Prepared by: IGB Date: 1/2/24
 Fee Schedule Reviewed by: JDK Date: 1/2/24

bst 1/4/24
epos 12/20/2023
\$ 1460

ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

 (334) 271-7700 1400 Coliseum Blvd. Montgomery, AL 36110
 mailing address: Post Office Box 301463, Montgomery, AL 36130-1463

Receipt Confirmation Page

ADEM requires that when you pay online, you MUST print out the confirmation information and submit it as proof of payment with your permit application or any other correspondence requiring proof of payment.

Payment Summary	
Payment Item	Fee
Online Payment - 12/20/2023 10:17:47	\$1,460.00
Total Fee through Alabama.gov (more info)	\$1,505.80

Receipt Confirmation Number: 20231220000030754

General Invoice Information

Choose the type of payment you are making: 6570-OTHER FEES (Must Enter Description of Other Fees)

Description of Other Fees: C&D Landfill Minor Modification Fee

Additional Information/Fee Description: C&D Landfill Minor Modification Fee

Number on your ADEM Invoice:

Date on your ADEM Invoice:

Contact Information

Company/Facility or Individual Name: City of Phenix City

Facility Permit Number (if applicable): 57-08

Company or Facility Phone: 334-448-2760

Contact Person: Trent Turner

Contact Phone: 205-518-0474

Contact email address: tturner@municipalconsultants.org

Name of an ADEM Program Staff Member (if known): Isabel Bela

Policy Related Questions: 334-271-7700

Application Support: 866-353-3468 or support@alabamainteractive.org

Version 2.1.4

RECEIVED

JAN 04 2024

**ADEM
EDDS**

ADEM ePay Summary

PRINT VIEW

TRANSACTION_DATE **12/20/2023** INVOICENUMBER

ORDER_ID **20231220000030754** INVOICEDATE

PAYMENTTYPE **6570-OTHER FEES (Must Enter Description of Other Fees)**

OTHERDESCRIPTION **C&D Landfill Minor Modification Fee**

ADDITIONALDESCRIPTION **C&D Landfill Minor Modification Fee**

FEES_PAID **\$1,460.00**

TRANSACTION_FEE

COMPANYNAME **City of Phenix City**

PERMITNUMBER **57-08**

COMPANYORFACILITYPHONE **334-448-2760**

CONTACTPERSON **Trent Turner**

CONTACTPHONE **205-516-0474**

CONTACTEMAILADDRESS **tturner@municipalconsultants.org**

STAFFMEMBER **Isabel Bela**