



SOLID WASTE DISPOSAL FACILITY PERMIT

PERMITTEE: Pace Industries, Inc.

FACILITY NAME: Pace Industries, Inc. Lynn Landfill

FACILITY LOCATION: Sections 34 and 35, Township 11 South, Range 10 West in Winston County. The total permitted area is approximately 96.84 acres with 78.83 acres approved for disposal.

PERMIT NUMBER: 67-13

PERMIT TYPE: Industrial Landfill

WASTE APPROVED FOR DISPOSAL: Non-hazardous construction/demolition waste including but not limited to masonry materials, sheet rock, roofing waste, insulation materials, tires, rebar, scrap materials, paving materials, and wood products.

The Permittee may accept the following wastes from Dal Tile Corporation: scrap wood products, green tile (wet or dry), fired tile, clay, shale, Fernsprings clay, Mary Lee clay, miscellaneous waste packaging materials and floor sweepings (primarily clays and shale); Winfield Rubber Manufacturing Company, Inc. SBR tread rubber; and Best Manufacturing Company: completed/finished latex gloves, packaging, and shipping materials.

APPROVED WASTE VOLUME: Maximum Average Daily Volume of 750 tons per day

APPROVED SERVICE AREA: State of Alabama

In accordance with and subject to the provisions of the Solid Wastes & 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: XXXXXXXX

EFFECTIVE DATE: XXXXXXXX

EXPIRATION DATE: XXXXXXXX

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

Permittee: Pace Industries, Inc.
P.O. Box 354
Lynn, Alabama 35575

Landfill Name: Pace Industries, Inc. Lynn Landfill

Landfill Location: Sections 34 Section 35, Township 11 South, Range 10 West in Winston County

Permit Number: 67-13

Landfill Type: Industrial

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 Pace Industries, Inc. (hereafter called the Permittee), to operate a solid waste disposal facility, known as the Pace Industries, Inc. Lynn 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 Ch. 335-13-1 through Ch. 335-13-16 of the ADEM Administrative Code (hereinafter referred to as the "ADEM Admin. Code" or as “335-13”). 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 Admin. 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 the Department for permit renewal on November 14, 2022, and as amended, 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 **XXXXXXXXXX** and shall remain in effect until **XXXXXXXXXX**, 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 335-13. 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 the Act, 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 335-13, 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 ADEM 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 ADEM. Any permit noncompliance constitutes a violation of the Act 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 ADEM 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.,E.,2., and, through no fault of the Permittee, ADEM 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 ADEM 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 ADEM 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 the Act.
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 335-13-4 or the methods as specified in the Application attached hereto 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.,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 ADEM 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 ADEM, 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 ADEM. 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:

 - 1. 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.
 - 2. The Department must inspect the constructed cells or phases unless the Permittee is notified that the Department will waive the inspection.
 - 3. 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 determined.
- 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 ADEM, the Permittee shall promptly submit such facts or information. In addition, upon request, the Permittee shall furnish to ADEM, 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 r. 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. If required, 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 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 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 Pace Industries, Inc. office, the following documents and amendments, revisions and modifications to these documents until an engineer certifies closure of the permitted landfill.
- 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, Land Division
Alabama Department of Environmental Management
P.O. Box 301463
Montgomery, AL 36130-1463
 2. Physical Address.
Chief, Solid Waste Branch, Land Division
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 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 dispose of industrial waste as approved by ADEM.
- 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 INDUSTRIAL WASTE LANDFILLS.

A. Waste Identification and Management.

1. Subject to the terms of this permit, the Permittee may accept for disposal the nonhazardous solid wastes listed in III.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 Pace Industries, Inc. Lynn Landfill is approximately 96.84 acres with 78.83 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 750 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 r. 335-13-5-.06(2)(b)2. The average daily volume shall be computed as specified by ADEM Admin. Code r. 335-13-4-.23(2)(f).

B. Waste Streams. The Permittee may accept for disposal non-hazardous construction/demolition waste including but not limited to masonry materials, sheet rock, roofing waste, insulation materials, tires, rebar, scrap materials, paving materials, and wood products

The Permittee may accept the following wastes from Dal Tile Corporation: scrap wood products, green tile (wet and dry), fired tile, clay, shale, Fernsprings clay, Mary Lee clay, miscellaneous waste packaging materials and floor sweepings (primarily clays and shale); Winfield Rubber Manufacturing Company, Inc. SBR tread rubber; and Best Manufacturing Company: completed/finished latex gloves, packaging, and shipping materials.

C. Service Area. The service area for this landfill shall be the State of 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%). The Permittee has been granted approval to operate three working faces. The first working face for the old disposal area, the second working face for the expansion area, and the third working face for tire disposal. (See Section VIII.1.) 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 VII. shall be added at the conclusion of each week's operation. The Permittee may utilize a mixture of sawdust with earthen soils at a ratio of not more than fifty percent sawdust to fifty percent soil as an alternate weekly cover. (See Section VIII.2.) These are the 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 base of the landfill shall be a minimum of five (5) feet above the highest measured groundwater level as determined by ADEM Admin Code r. 335-13-4-.11(2)(a) and as specified in the permit application.
- 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 r. 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 r. 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 required at this landfill provided that the waste stream is in accordance with Section III.B. Should any waste be disposed of other than the waste streams indicated in Section III.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 REQUIREMENTS.

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 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 grade shall not exceed 3 to 1 (33 percent). The final cover system shall be constructed as specified in the application. (See Section VIII.3.)
- 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 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 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.
- K. 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 ninety (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 one hundred twenty (120) days after permit expiration, revocation, or as directed by ADEM as described in the Application.
- L. 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 AND SPECIAL CONDITIONS

1. The Department grants a variance from ADEM Rule 335-13-4-.23(1)(c) requiring all waste to be confined to as small an area as possible within a single working face. The Permittee has been granted approval to operate three working faces. The first working face for the old disposal area, the second working face for the expansion area, and the third working face for tire disposal. (See Section III.D.)
2. The Permittee may utilize a mixture of sawdust with earthen soils at a ratio of not more than fifty percent sawdust to fifty percent soil as an alternate weekly cover. (See Section III.D.)
3. The final grade shall not exceed 3 to 1 (33 percent). The final cover system shall be constructed as specified in the application. (See Section VII.A.)

Any variance granted by ADEM may be terminated by ADEM whenever ADEM 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.

PERMIT APPLICATION

JRW Environmental Consultant, LLC.

228 Ollie Miller Road

Jasper, AL 35504

Email: jrichweaverpe@gmail.com

Cell: 205-522-4192

November 7, 2022

Alabama Department of Environmental Management

Attn: Jonathan Crosby

Solid Waste Branch

Land Division

P.O. Box 301463

Montgomery, AL 36130-1463

RE: **Pace Industries, Inc.**
Lynn Landfill Permit # 67-13 (Industrial Landfill Renewal)

Dear Mr. Crosby:

Please find attached a completed application for renewal to the above referenced landfill permit and the permit renewal fee.

If you should have any questions or need additional information, please contact our office.

Sincerely,



J. Rich Weaver

P.E.

AL#33285

Received

NOV 14 2022

Land Division

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)
 Other (explain) _____

2. Facility Name Lynn Landfill

3. Applicant:

Name: Pace Industries, Inc.

Address: P.O. Box 354

291 County Road 356

Lynn, Alabama 35575

Telephone: 205-893-7223

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

Township 11 South Range 10 West
Section 34 & 35 County Winston

5. Land Owner:

Name: Town of Lynn Earl J Lynn Pace Industries, Inc.

Address: P.O. Box 145 167 Peaceful Acres P.O. Box 354
Lynn, Alabama 35575 Lynn, Alabama 35575 Lynn, Alabama 35575

Telephone: 205-893-7223 205-893-7223 205-893-7223

(Attach copy of agreement from landowner if applicable.)

November 1997

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6. Contact Person:

Name Wayne Bass

Position or Affiliation Owner

Address: P.O. Box 354
Lynn Alabama 35575

Telephone: 205-893-7223

7. Size of Facility:

96.84 **Acres**

Size of Disposal Area(s):

78.83 **Acres**

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

State of Alabama

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

750 **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.):

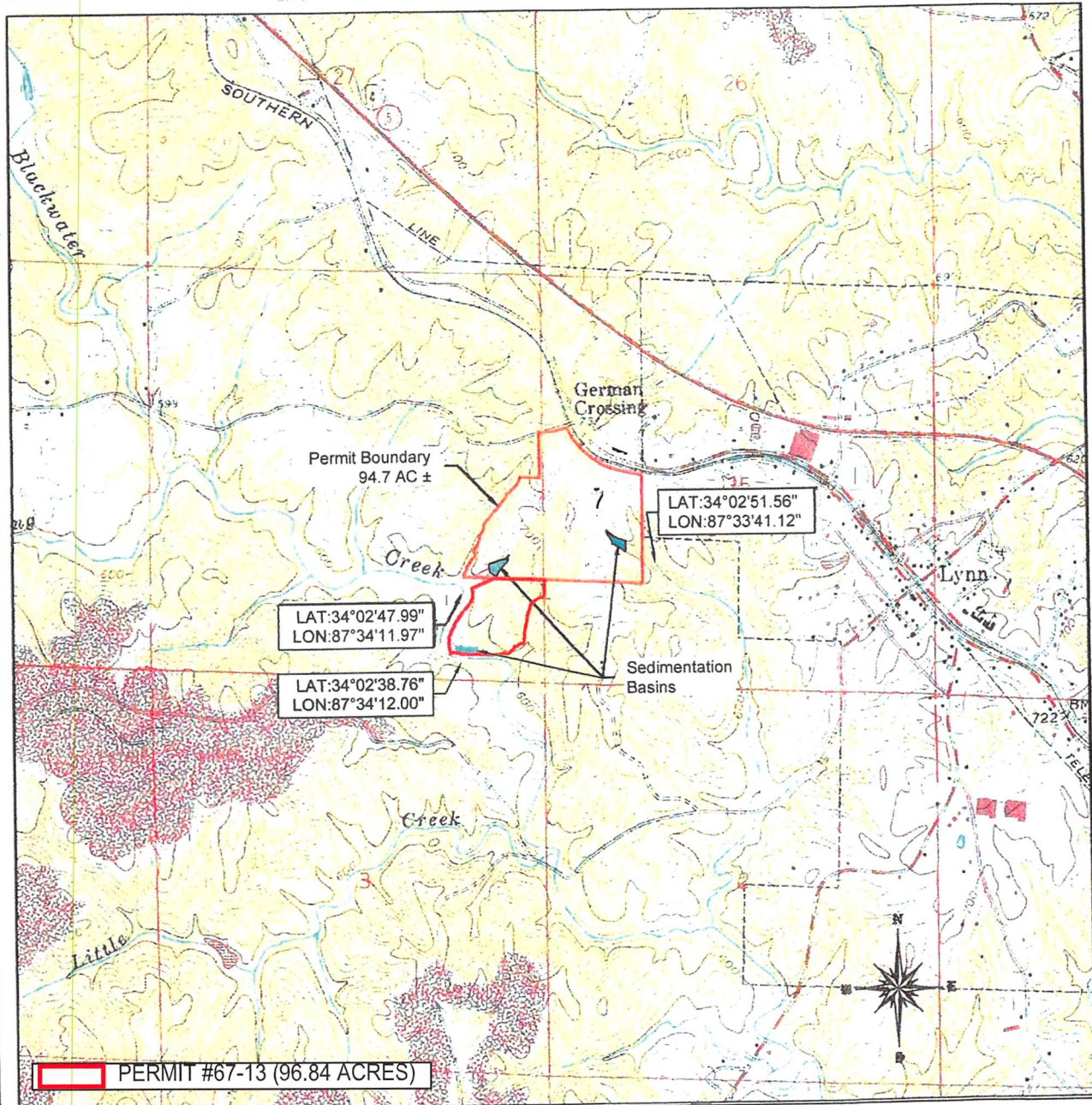
Construction and demolition debris, masonry material, sheet rock, roofing waste, insulation materials, tires,
rebar, scrap materials, paving materials, wood products, discarded household appliances, and other miscellaneous
non-household waste. Waste from Dal Tile Corporation. Winfield Rubber Manufacturing Co, Inc.'s SBR Tread Rubb



SIGNATURE

11-7-2022

DATE



**PACE INDUSTRIES, INC
LYNN LANDFILL**

| | | |
|------------------------|---------------------|---|
| DRAWN BY: J.R.W. | DATE: 10/23/2022 | Section: 34 & 35 Township: 11 South Range: 10 West Winston County, Alabama |
| APPROVED BY: J.R.W. | DATE: 10/23/2022 | |
| SCALE: 1" = 2000' | SHEET: 1 OF 1 | ADEM 67-13 PERMIT RENEWAL 2023 MAP |

1.0 PERMANENT MONITORING STATIONS

Permanent gas monitoring stations will be placed along the perimeter of the the site near the boundary line. Monitoring stations will be located approximately every 300 feet. The soil conditions at the site consist of layers of unconsolidated sandy clays, weathered sandstones, shale, coal, and fire clay. Landfilled areas will be covered with the sandy clay and the spoil material present from the previous surface mining operations. As a result, any gas accumulated on site would soon dissipate through the cover material to the atmosphere.

There are five (5) structures located within 1,000 feet of the landfill boundary. Four (4) of the structures are houses located in the northern one-half of Section 35, the other is a wholesale warehouse that sells treated lumber and supplies. It to is located in the northern one-half of Section 35. These structures are topographically 20 to 40 feet below the lowest elevation of the proposed landfill. The lower elevation of these structures would exclude them from the impact of accumulated gas releases, since methane gas usually migrates upwards. Any gases produced at the landfill would occur at elevations higher than these structures. Therefore, 100-foot monitoring stations along the property boundary adjacent to these structures is not deemed necessary.

Each gas monitoring station will be clearly and permanently marked with an identifying number. The location of the proposed gas monitoring stations is shown on Figure 7. The exact number and location of these stations are subject to field verification and development of the landfilled area. Monitoring stations may be added or deleted within the guidelines of this plan.

2.0 MONITORING PROCEDURES

Once a year, permanent monitoring stations shall be monitored for explosive gas. Levels of gas detected shall be expressed in percent LEL (Lower Explosive Limit) and percent volume. A visual inspection of the facility site will also be conducted at this time to identify areas of unexplained distressed vegetation or dying trees which may indicate the presence of methane. Additional monitoring may be implemented in areas where distressed vegetation occurs. All monitoring reports will be submitted to ADEM and placed in the operating record of the facility within thirty (30) days of the monitoring event.

The report will contain the following information:

- A. Name and permit number of the facility;
- B. Date of monitoring;
- C. Weather conditions (temperature, barometric pressure and general conditions);
- D. Equipment used;
- E. Identification number of monitor station and percent of gas concentration;
- F. Layout plan showing the location of the monitoring points; and
- D. Name and signature of person performing the testing.

If a monitoring station detects explosive gas limits above the LEL, the following actions will be taken:

1. Immediately take all necessary steps to ensure protection of human health and property.
2. Immediately notify ADEM concerning the gas levels detected and steps taken to protect human health and property.
3. Within seven (7) days, place in the operating record of the facility, the explosive gas levels detected and the immediate steps taken to protect human health and property.

4. Within twenty (20) days of detection, submit to ADEM for approval, A Remedial Plan for the explosive gas release. This plan will describe the nature and extent of the problem and the proposed remedy.
5. The remedial plan will be implemented upon approval by ADEM, but within sixty (60) days of detection.
6. Within sixty (60) days of detection, a copy of the remedial plan will be placed in the operating record of the facility and ADAM will be notified that the plan has been implemented.

3.0 GAS MONITOR STATION CONSTRUCTION

Permanent gas monitoring stations are to be constructed using the following procedures:

1. Drill a four (4) inch hole to a depth of approximately 7 feet.
2. Place two (2) 5-foot sections of 2-inch Schedule 30 or 40 PVC threaded pipe within two (2) to three (3) inches of the bottom of the drill hole. The lower 5-foot section of pipe shall be slotted screen with 0.010 machine slots. The pipe should be of sufficient length to extend three (3) to four (4) feet above ground so as to be easily visible and prevent inadvertent damage during site maintenance.
3. Backfill the drill hole with coarse sand or fine gravel to within one (1) foot of ground elevation.
4. Place a seal of concrete or other suitable material in the final one(1) foot of the drill hole.
5. Cap the PVC pipe with a threaded end plug.
6. Drill a .052 foot diameter sampling port in the upper pipe and place a removable neoprene stopper in the port.

Figure 8 is a construction diagram of a typical gas monitoring station.

4.0 GAS MONITORING EQUIPMENT

Since no structures are located on the facility, monitoring will focus on detecting concentrations of explosive gas greater than the LEL (5% by volume in the air) at the perimeter of the landfill. Typical equipment used to monitor the specified concentration is commonly referred to as a combustible gas indicator and readings are expressed in percent (%) of natural gas by volume. A sniffer which measures the concentration of gas as a percent of the LEL may be used in place of a gas indicator. However, should the sniffer detect concentrations at 100% LEL level, additional equipment will be needed to determine the exact concentration of gas.

LANCE R. LEFLEUR
DIRECTOR



KAY IVEY
GOVERNOR

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

October 17, 2022

Mr. Wayne Bass
Pace Industries, Inc.
P.O. Box 354
Lynn, Alabama 35575

RE: Pre-Disposal Inspection
Pace Industries, Inc. Lynn Landfill
Permit No. 67-13

Dear Mr. Bass:

On October 14, 2022, Mr. Jonathan Crosby of the Alabama Department of Environmental Management performed a post-construction, pre-disposal inspection at the referenced landfill. Based on the visual inspection of Cell 13 and the engineer's certification, the Department has determined that Cell 13 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 Mr. Jonathan Crosby of the Solid Waste Engineering Section at (334) 270-5644.

Sincerely,

A handwritten signature in black ink that reads "Jared D. Kelly".

Jared D. Kelly, Chief
Solid Waste Engineering Section
Land Division

JDK/jc

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)



Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

RESOLUTION #2020-21

WHEREAS, Winston County, Alabama developed a Solid Waste Management Plan, as Amended, September 12, 2011 and approved by ADEM; and,

WHEREAS, Pace Industries, Inc. owner of the Lynn Inert Landfill has requested approval for the addition of 35 acres, more or less, to be added to the existing landfill; and,

WHEREAS, Pace Industries, Inc, has requested the right to upgrade their existing construction and demolition landfill permit to an Industrial Landfill permit; and

WHEREAS, said request does not affect or the current waste volume permitted at said location; and,

WHEREAS, the existing landfill is within the town limits and therefore the jurisdiction of Lynn; and,

WHEREAS, in accordance with Section 22-27-48 of the Code of Alabama, the local government having jurisdiction must approve in order to submit a permit application to ADEM; and,

WHEREAS, after the requisite public notice was provided, a public hearing was held on the 19st day of November, 2020 at Old Town Hall Building at 6:00 p.m. regarding the addition of 35 acres, more or less, to the landfill and to upgrade the permit to an Industrial Landfill permit; and,

WHEREAS, Lynn has not considered or made any determination regarding whether this Site meets appropriate geological,

environmental, design or other scientific or engineering standards established by Federal or State agencies charged with approving, permitting, or monitoring solid waste disposal sites; and,

WHEREAS, Lynn recognizes that only ADEM can issue a permit or the modification or upgrade to the permit for a landfill; and,

WHEREAS, Lynn has also considered the following:

1. The consistency of the proposal with the jurisdiction's solid waste management need as identified in its plan;

2. The relationship of the proposal to local planned or existing development or the absence thereof, to major transportation arteries and to existing state primary and secondary roads;

3. The location of a proposed facility in relationship to existing industries in the state that generate large volumes of solid waste, or the relationship to the areas projected for development of industries that will generate solid waste;

4. Costs and availability of public services, facilities and improvements required to support a proposed facility and protect public health, safety and the environment;

5. The impact of a proposed facility on public safety and provisions made to minimize the impact on public health and safety; and

6. The social and economic impacts of a proposed facility on the affected community, including changes in property values, and

social or community perception.

NOW, THEREFORE, BE IT RESOLVED, that the Council of Lynn, Alabama, as follows:

The Council of the Town of Lynn, Alabama, finds and declares as the legislative body of the Town that it is in the best interest of the citizens of the Town, to approve the addition of the 35 acres, more or less, to the existing landfill and to upgrade the permit from its existing construction and demolition permit to and Industrial Landfill permit at the Pace Industries, Inc. Lynn Landfill which will continue to provide for the needs of local industry for the disposal of inert waste, industrial type, with no changes to the current waste volume permitted with ADEM.

Adopted and Approved this 19th day of November, 2020.



Earl Gilbert
Mayor

ATTEST:



Marcia Manasco
Town Clerk

I, Marcia Manasco, the undersigned Acting City Clerk of the City of Lynn, Alabama, hereby certify that the foregoing constitutes a true, correct and complete resolution duly adopted by the Town Council of the Town of Lynn, Alabama, at a meeting thereof held on this the 19th day of November, 2020 at which meeting a quorum was present and acting throughout.

Witness my signature as City Clerk, under the Seal of said Town, this 19th day of November, 2020.



Marcia Manasco
Town Clerk

RESOLUTION #2017-01

WHEREAS, Winston County, Alabama developed a Solid Waste Management Plan, as Amended, September 12, 2011 and approved by ADEM; and,

WHEREAS, Pace Industries, Inc. owner of the Lynn Inert Landfill has requested approval for the addition of 40 acres, more or less, to be added to the existing landfill; and,

WHEREAS, Pace Industries, Inc, has requested the right to upgrade their existing construction and demolition landfill permit to an Industrial Landfill permit; and

WHEREAS, said request does not affect or the current waste volume permitted at said location; and,

WHEREAS, the existing landfill is within the town limits and therefore the jurisdiction of Lynn; and,

WHEREAS, in accordance with Section 22-27-48 of the Code of Alabama, the local government having jurisdiction must approve in order to submit a permit application to ADEM; and,

WHEREAS, after the requisite public notice was provided, a public hearing was held on the 21st day of February, 2017 regarding the addition of 40 acres, more or less, to the landfill and to upgrade the permit to an Industrial Landfill permit; and,

WHEREAS, Lynn has not considered or made any determination regarding whether this Site meets appropriate geological, environmental, design or other scientific or engineering standards

established by Federal or State agencies charged with approving, permitting, or monitoring solid waste disposal sites; and,

WHEREAS, Lynn recognizes that only ADEM can issue a permit or the modification or upgrade to the permit for a landfill; and,

WHEREAS, Lynn has also considered the following:

1. The consistency of the proposal with the jurisdiction's solid waste management need as identified in its plan;

2. The relationship of the proposal to local planned or existing development or the absence thereof, to major transportation arteries and to existing state primary and secondary roads;

3. The location of a proposed facility in relationship to existing industries in the state that generate large volumes of solid waste, or the relationship to the areas projected for development of industries that will generate solid waste;

4. Costs and availability of public services, facilities and improvements required to support a proposed facility and protect public health, safety and the environment;

5. The impact of a proposed facility on public safety and provisions made to minimize the impact on public health and safety; and

6. The social and economic impacts of a proposed facility on the affected community, including changes in property values, and social or community perception.

NOW, THEREFORE, BE IT RESOLVED, that the Council of Lynn, Alabama, as follows:


The Council of the Town of Lynn, Alabama, finds and declares as the legislative body of the Town that it is in the best interest of the citizens of the Town, to approve the addition of the 40 acres, more or less, to the existing landfill and to upgrade the permit from its existing construction and demolition permit to and Industrial Landfill permit at the Pace Industries, Inc. Lynn Landfill which will continue to provide for the needs of local industry for the disposal of inert waste, industrial type, with no changes to the current waste volume permitted with ADEM.

Adopted and Approved this 21st day of February, 2017.



Jeff Stokes
Mayor

ATTEST:



Marcia Manasco
Acting City Clerk

I, Marcia Manasco, the undersigned Acting City Clerk of the City of Lynn, Alabama, hereby certify that the foregoing constitutes a true, correct and complete resolution duly adopted by the City Council of the City of Lynn, Alabama, at a meeting thereof held on this the 21st day of February, 2017 at which meeting a quorum was present and acting throughout.

Witness my signature as Acting City Clerk, under the Seal of said City, this 21st day of February, 2017.



Marcia Manasco
Acting City Clerk

Resolution # 2011-01

Whereas, the Lynn Town Council met in regular session at the Lynn Town Hall on JANUARY 3rd 2011, and upon a motion by Chris Little and seconded by DAVELL W. CORNELIUS and upon a majority vote of the members present, the Lynn Town Council hereby adopted the following resolution:

Whereas, the Lynn Town Council desires to provide effective and convenient waste disposal for the people and industry in the Lynn area and desires that the Pace Industries, Inc. Lynn Landfill be allowed to accept construction, demolition and industrial wastes for now and into the future; and

Whereas, Pace Industries, Inc. desires to expand its existing landfill permit and to meet the requirements of the Alabama Department of Environmental Management for the permitting and expansion of its existing Lynn landfill, the Lynn Town Council agrees to the following:

Be it Resolved, that the Lynn Town Council hereby approves Pace Industries, Inc's request to expand its landfill permit to include the Northeast Quarter of the Southeast Quarter of Section 34, Township 11 south, Range 10 west, Winston County, Alabama, lying and being in the corporate limits of the Town of Lynn. This approval is for a construction, demolition and industrial landfill only as defined by the Alabama Department of Environmental Management and is subject to their approval for that purpose. This approval does not grant Pace Industries, Inc. any right to accept any waste classified as household or hazardous under the established guidelines of the Alabama Department of Environmental Management.

Be It Further Resolved, that the Mayor of the Town of Lynn is hereby authorized to perform or execute any duty or document that may be required to secure the said landfill permit approved hereunder.

Adopted and Approved, this 3rd day of JAN, 2011.

Attest:

Marcia Manasco
Marcia Manasco, Town Clerk

Brian Heck
Brian Heck, Mayor

12.0 ACCESS

The existing landfill site is located adjacent to Winston County Roads 59 & 356. The main all weather access road that leads into the landfill is from Winston County Road 356. Entrance to the landfill will be secured by locked metal gates during the landfills non-operational hours.

13.0 CLOSURE

13.1 WRITTEN CLOSURE PLAN

Throughout the daily operation of the landfill, closure activities will be conducted as they are needed. As fill areas reach their final elevations, the foundation of the final cap will be installed over the waste and graded. The foundation will then be seeded and mulched to reduce erosion while waiting for the complete cap installation.

The largest area of the landfill disposal area that will require final cover is estimated to be 15 acres. The maximum inventory of wastes received over the lifetime of the landfill facility is estimated to be 850,000 to 950,000 cubic yards.

Prior to the beginning of closure activities ADEM will be notified of the intent to close. No later than thirty (30) days after final receipt of wastes, closure activities will begin. Closure activities will be completed within 180 days following the last known receipt of wastes.

13.2 FINAL SOIL COVER

The final cover system will be installed as to minimize erosion and infiltration. The final cover system will be comprised of an infiltration layer containing eighteen (18) inches of earthen material that has permeability no greater than 1×10^{-5} cm/sec. overlying the infiltration layer will be an erosion layer consisting of a minimum of six (6) inches of earthen material capable of sustaining plant growth.

13.3 GRADE

As different areas of the landfill area reach their peak elevations, grading will be developed according to the final grading plan (Figure 6). The final grading plan is intended as a general guide and the final contours shown are only approximations. If significant changes to the final grading plan are necessary, further approval from ADEM may be required.

- (a) The final soil cover will be graded so as water does not pond over the landfill nit.
- (b) The maximum grade of the final cover will range from 5% to 25%.
- (c) Final grading of the cap foundation will be completed within 90 days after the landfill has reached its final elevation or landfilling has permanently ceased in that area.

13.4 VEGETATIVE COVER WITHIN 90 DAYS AFTER FINAL GRADING

Vegetative cover will be established so to minimize erosion and maximize evapotranspiration. Within 90 days of the completion of final grading, the cover surface will be prepared for the establishment of vegetative cover. As a minimum, preparation will include fertilizing, liming, seeding, and mulching. Watering and maintenance will continue until the vegetation has been established. Maintenance will involve routine inspections for rills, gullies, and ponding of water. Eroded areas will be regraded and revegetated. Pondered areas will be filled in, graded, and vegetated. Appropriate types and amounts of grass seed, fertilizer and lime will be applied consistent with the recommendations of the Soil Conservation Service. Deep rooted vegetation (roots that extend below the six (6) inch erosion layer) will not be used.

13.5 PRIOR TO CLOSURE

Prior to beginning closure, the owner will submit to ADEM a notice of the intent to close the landfill unit. A copy of the notice will be placed in the operating record of the landfill.

13.6 START OF CLOSURE

Closure activities will begin within thirty (30) days after the known final receipt of wastes.

13.7 COMPLETION OF CLOSURE

Closure activities in accordance with the closure plan shall be completed within 180 days after the last known receipt of wastes.

13.8 CLOSURE CERTIFICATION

Following closure of a landfill unit, the owner will submit to ADEM a certification signed by an independent registered professional engineer verifying that closure has been completed in accordance with the closure plan. A copy of this certification shall be placed in the landfill operating record.

13.9 POST- CLOSURE MAINTENANCE

During post-closure, maintenance at the site will include:

- (a) Filling in of eroded areas and revegetation
- (b) Filling in of ponded surface water, grading, and revegetation
- (c) Correction of extensive cracks to prevent surface water infiltration
- (d) Maintenance of an appropriate surface cover
- (e) Controlled access to the site will continue and signs will be posted notifying of facility closure and location of nearest permitted landfill unit
- (f) Waste dumped following closure will be removed to an approved landfill unit
- (g) Monitoring devices and pollution control equipment, such as gas monitoring systems, erosion and surface water control structures will be maintained.

Monitoring shall continue throughout the post closure period. Routine inspections will be conducted quarterly during the first two (2) years and semi-annually thereafter until the end of the post closure period.

13.10 LENGTH OF POST-CLOSURE CARE

Post-Closure Maintenance will be conducted for thirty (30) years. Should site specific information obtained during the active or post-closure periods reveal the post-closure period be increased or decreased, a request for revising the period will be submitted to ADEM.

13.11 PLACEMENT OF CLOSURE IN OPERATING RECORD

The post-closure plan as discussed in this section on Closure will be submitted to ADEM for approval and a copy will be placed in the landfill operating record.

13.12 POST-CLOSURE USE OF PROPERTY

There will be no post-closure use of the property that will disturb the integrity of the final cover system, liner, or any component of the containment system, or the function of the monitoring systems necessary to comply with regulations set forth by ADEM. If the owner or operator wishes to conduct any disturbances they will first receive approval from ADEM.

13.13 POST-CLOSURE CERTIFICATION

Following completion of the post-closure care period for the landfill unit the owner or operator will submit to ADEM a certification, signed by an independent registered professional engineer, verifying that post-closure care has been completed in accordance with the post-closure plan and a copy will be placed in the operating record.

PACE INDUSTRIES, INC

PACE INDUSTRIES, INC (LYNN, ALABAMA)

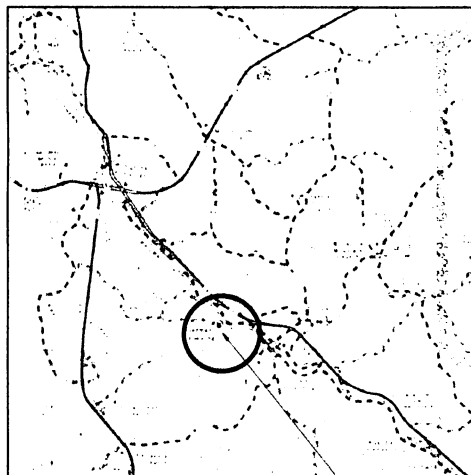
PERMIT NUMBER 67-13

CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL

LYNN, ALABAMA

INDEX TO SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|--|
| | TITLE SHEET |
| 1-0 | EXISTING CONTOURS AND BORING LOCATIONS |
| 2-0 | FINAL GRADING AND DRAINAGE PLAN |
| 3-0 | FINAL AND EXISTING CONTOURS |
| 4-0 | SITE LAYOUT |
| 5-0 | CROSS-SECTION A-A' |
| 6-0 | CROSS-SECTION B-B' |
| 7-0 | CROSS-SECTION C-C' |
| 8-0 | CROSS-SECTION D-D' |
| 9-0 | TYPICAL DETAILS |
| B-1 | PROPERTY LAYOUT |



PROJECT SITE

VICINITY MAP
SCALE: 1 IN. = 1 MILE

Prepared by

JRW Environmental Consultant, LLC.

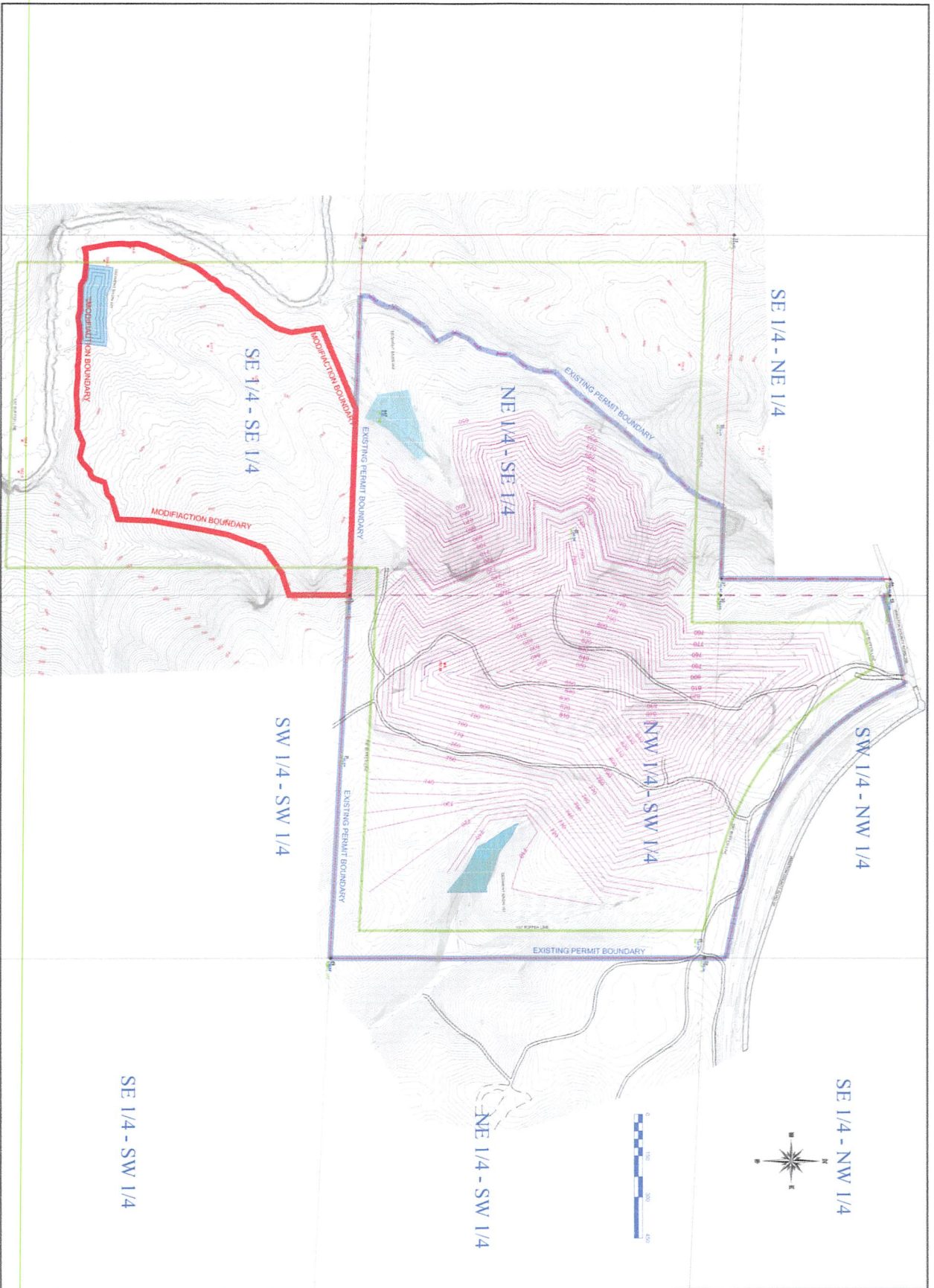
Jasper, Alabama



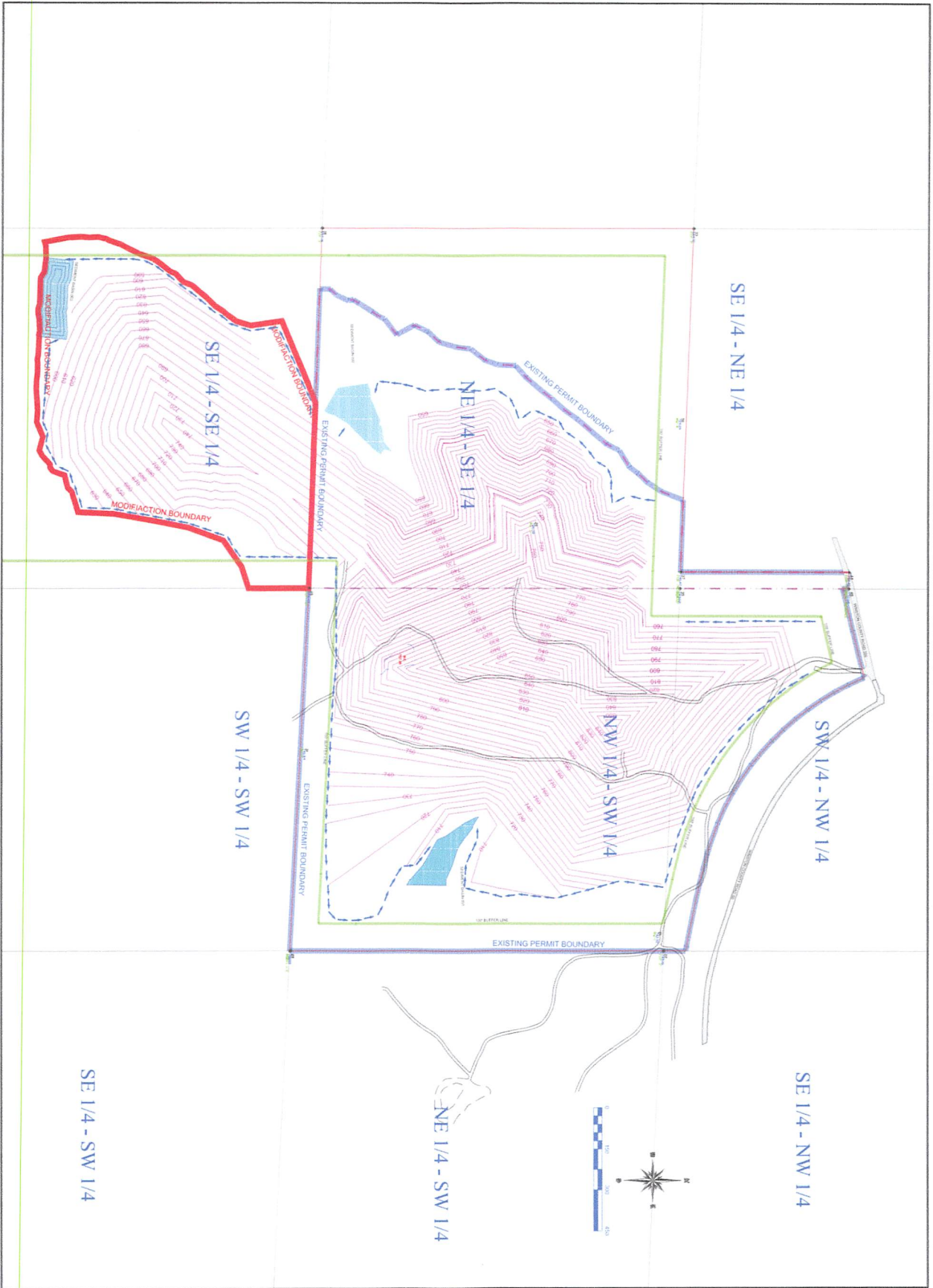
MR. WAYNE BASS
PACE INDUSTRIES, INC.
P.O. BOX 354
291 COUNTY ROAD 356
LYNN, AL 35575

JOB NUMBER:
2020-1

LEAD ENGINEER:
J. RICH WEAVER, P.E.
DATE: 09/23/2020



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| | <p>EXISTING CONTOURS OF PROPOSED MODIFICATION AREA, EXISTING FACILITY CONTOURS AND DESIGN LAYOUT AND GROUNDWATER WELL LOCATIONS</p> <p>PACE INDUSTRIES, INC (LYNN LANDFILL) PERMIT NUMBER 67-13 CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL</p> | <p>5/14/20</p> | | | | | | | | | | | | | | | | | | | | |
| <p>REVISIONS</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> | | | | | | | | | | | | | | | | | | | | | <p>DRAWN BY: J.R.W. CHECKED BY: J.R.W. JOB NUMBER 2020-1 DATE 09/23/20 SHEET NUMBER 1-9</p> | |
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FINAL CONTOURS AND DRAINAGE CONTROL

PACE INDUSTRIES, INC (LYNN LANDFILL)
 PERMIT NUMBER 67-13
 CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL

REVISIONS

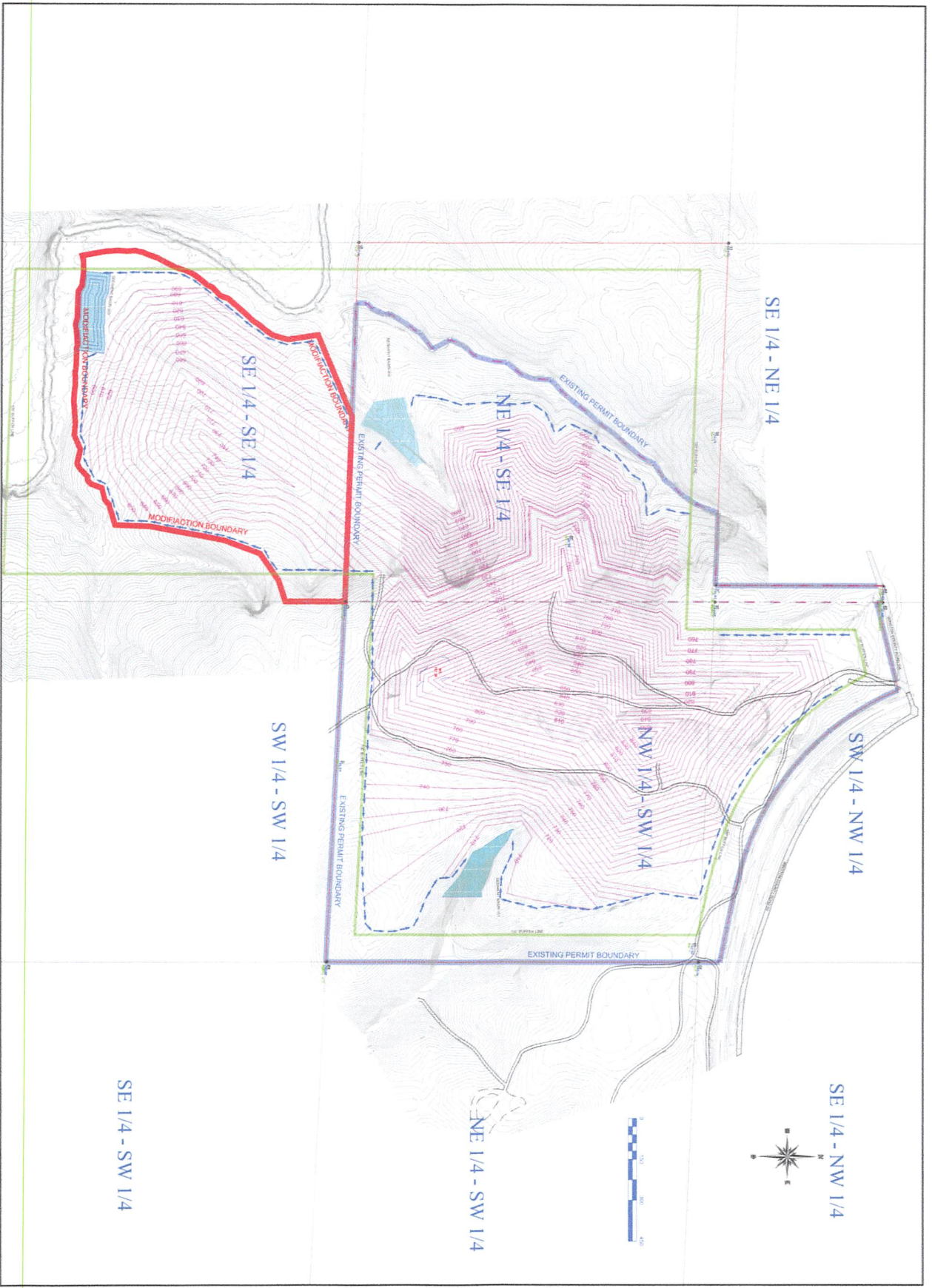
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SHEET NUMBER
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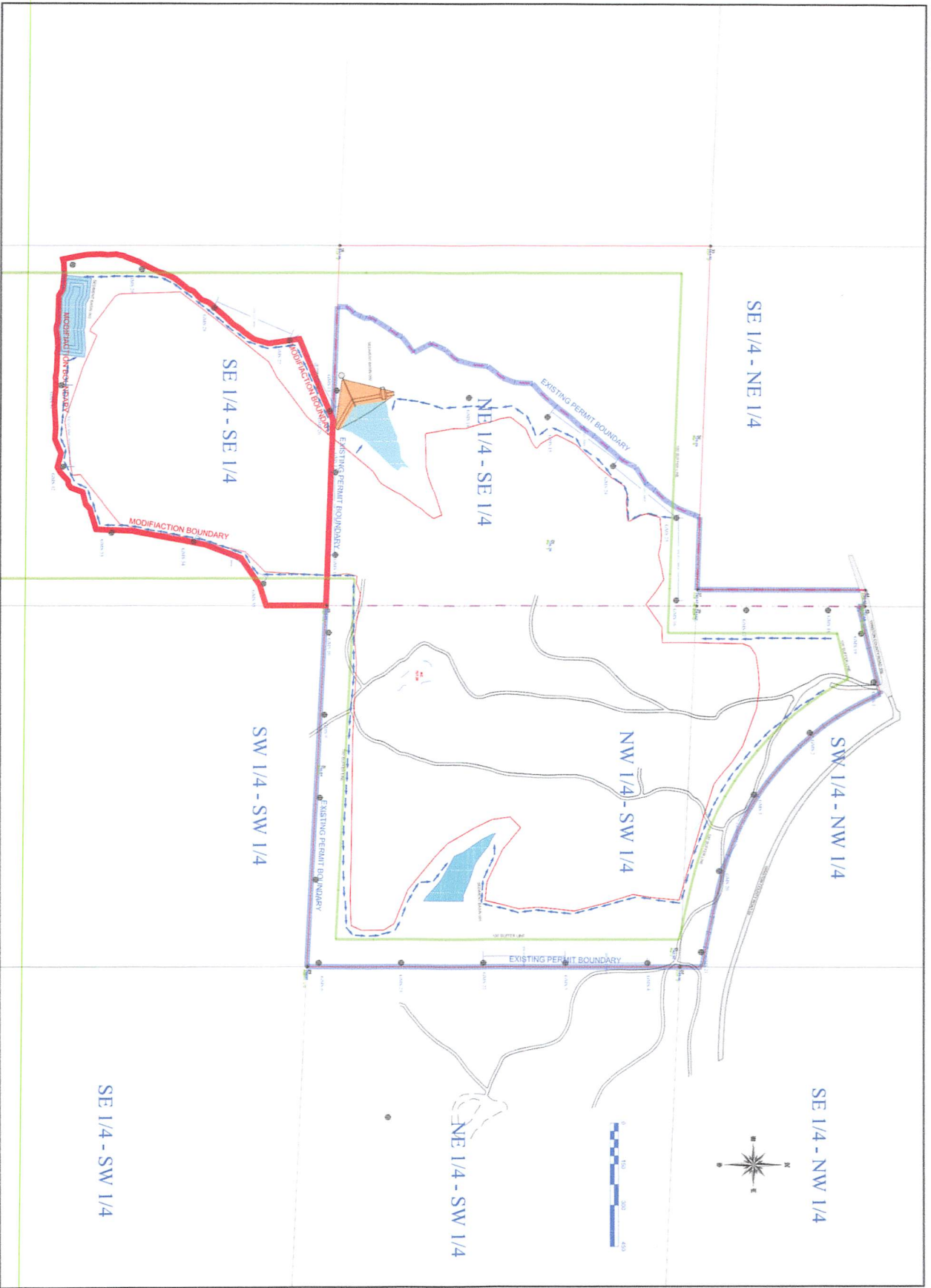
FINAL AND EXISTING CONTOURS

PACE INDUSTRIES, INC (LYNN LANDFILL)
 PERMIT NUMBER 67-13
 CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL

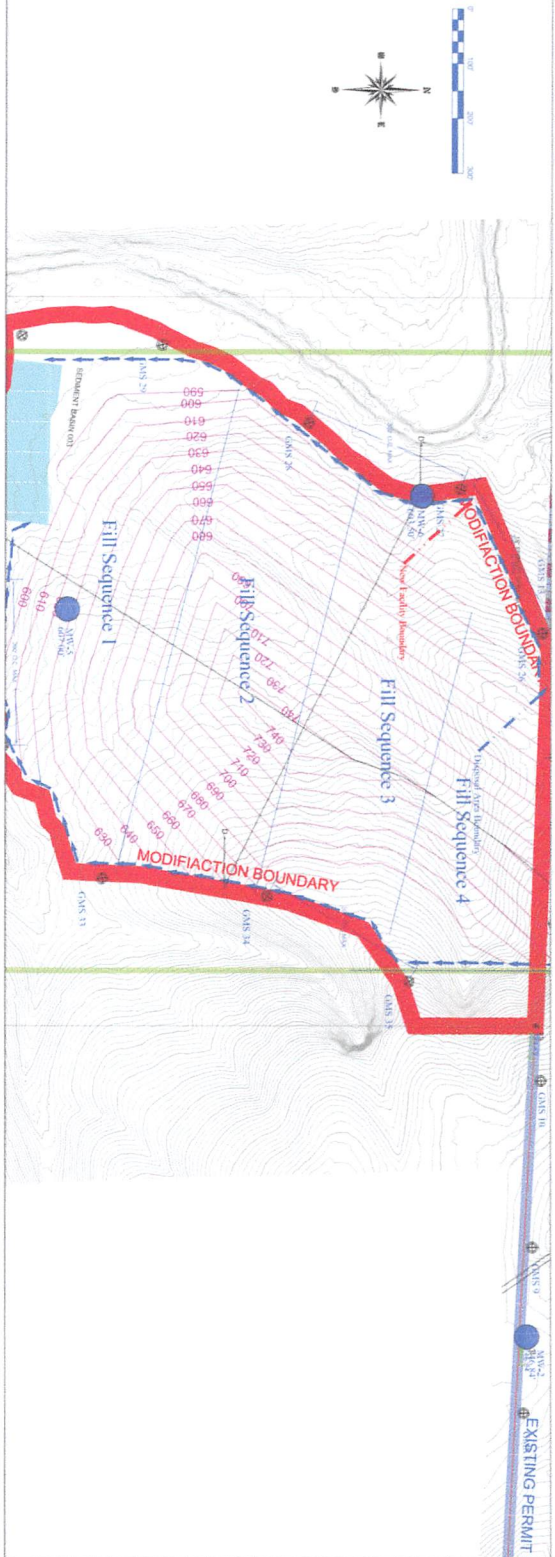
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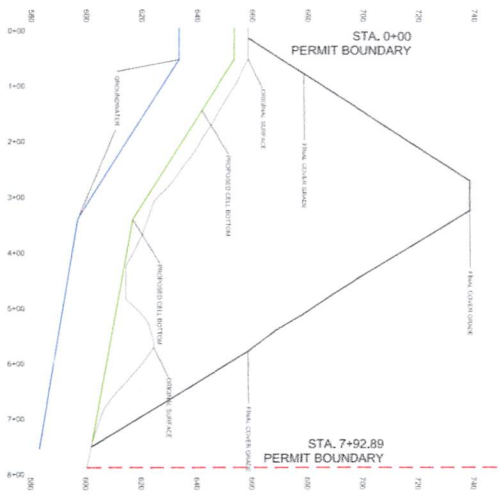
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 CHECKED BY: J.R.W.
 JOB NUMBER: 2020-1
 DATE: 09/23/20
 SHEET NUMBER: 3-9



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| REVISIONS _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ | | SITE LAYOUT PACE INDUSTRIES, INC (LYNN LANDFILL) PERMIT NUMBER 67-13 CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL |
| DRAWN BY: J.R.W. CHECKED BY: J.R.W. JOB NUMBER: 2020-1 DATE: 09/23/20 SHEET NUMBER: 4-9 | | |



SCALE: H: 1" = 100'
V: 1" = 20'



CROSS-SECTION D - D'

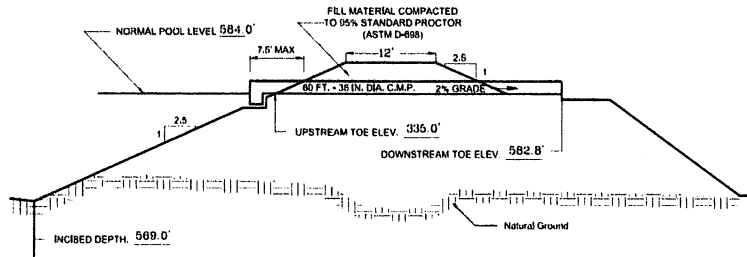
PACE INDUSTRIES, INC (LYNN LANDFILL)
PERMIT NUMBER 67-13
CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL

REVISIONS

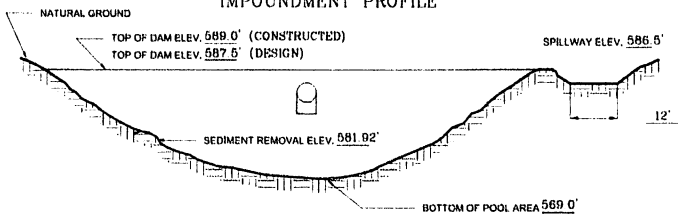
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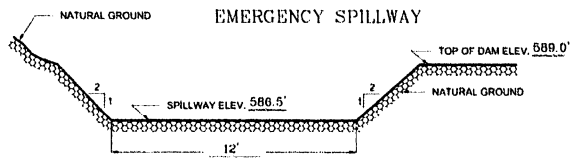
EMBANKMENT CROSS-SECTION



IMPOUNDMENT PROFILE



EMERGENCY SPILLWAY



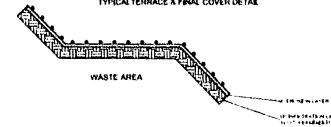
EMERGENCY SPILLWAY TO BE GRASS LINED
 MAXIMUM SPILLWAY GRADIENT 2.0% (CONTROL SECTION)
 MAXIMUM SPILLWAY GRADIENT 6.0% (TAIL DITCH SECTION)
 MINIMUM SPILLWAY GRADIENT 2.0% (TAIL DITCH SECTION)

COMPANY: PACE INDUSTRIES, INC.
 MINE NAME: LYNN LANDFILL
 PERMIT #: #07-13
 BASIN I.D. #: BASIN 003P

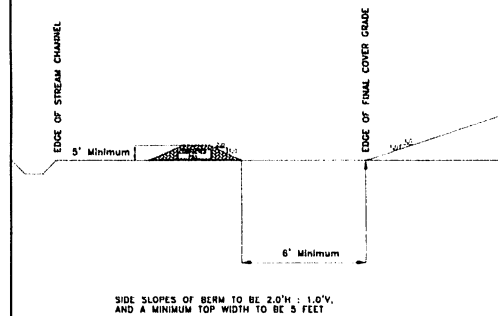
KEY BASIN PARAMETERS

| | | |
|-------------------------|--------|-------|
| DRAINAGE AREA | ACRES | 21.0 |
| DISTURBED AREA | ACRES | 20.0 |
| SEDIMENT STORAGE | AC.FT. | 5.0 |
| DETENTION STORAGE | AC.FT. | 1.4 |
| PERMANENT POOL CAPACITY | AC.FT. | 6.4 |
| PEAK INFLOW | C.F.S. | 60.22 |
| PEAK OUTFLOW | C.F.S. | 24.61 |

TYPICAL TERRACE & FINAL COVER DETAIL

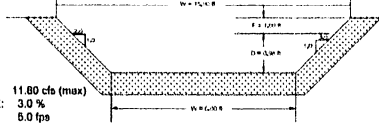


SAFETY BERM - BARRICADE TYPICAL CROSS-SECTION
 SAFETY BERM / BARRICADE TO BE CONSTRUCTED



SIDE SLOPES OF BERM TO BE 2.0'H : 1.0'V,
 AND A MINIMUM TOP WIDTH TO BE 5 FEET

BERM DITCH CROSS-SECTION
 TRAPEZOIDAL VEGETATED LINED CHANNEL



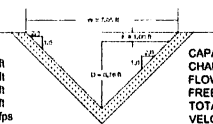
DISCHARGE: 11.80 cfs (max)
 AVG. CHANNEL SLOPE: 3.0%
 LIMITING VELOCITY: 5.0 fps

STABILITY CLASS D
 CHANNEL TOP WIDTH (W): 13.79 ft
 FLOW DEPTH (D): 0.56 ft
 FREEBOARD (F): 1.00 ft
 TOTAL CHANNEL DEPTH (D + F): 1.56 ft
 VELOCITY: 2.85 fps

CAPACITY CLASS B
 CHANNEL TOP WIDTH (W): 15.90 ft
 FLOW DEPTH (D): 0.86 ft
 FREEBOARD (F): 1.00 ft
 TOTAL CHANNEL DEPTH (D + F): 1.98 ft
 VELOCITY: 1.42 ft

Grass Lining will be a mixture of Fescue, Bermuda and Ryo Grasses

DIVERSION DITCH FOR MODIFICATION AREA CROSS-SECTION
 TRIANGULAR VEGETATED CHANNEL



DISCHARGE: 1.22 cfs (max)
 CHANNEL SLOPE: 14.1%
 LIMITING VELOCITY: 5.0 fps

STABILITY CLASS D
 CHANNEL TOP WIDTH (W): 5.85 ft
 FLOW DEPTH (D): 0.48 ft
 FREEBOARD (F): 1.00 ft
 TOTAL CHANNEL DEPTH (D + F): 1.46 ft
 VELOCITY: 2.85 fps

CAPACITY CLASS B
 CHANNEL TOP WIDTH (W): 7.05 ft
 FLOW DEPTH (D): 0.76 ft
 FREEBOARD (F): 1.00 ft
 TOTAL CHANNEL DEPTH (D + F): 1.76 ft
 VELOCITY: 1.05 ft

Grass Lining will be of Tall Fescue

TYPICAL DETAILS

PACE INDUSTRIES, INC (LYNN LANDFILL)
 PERMIT NUMBER 67-13
 CONSTRUCTION, DEMOLITION & INDUSTRIAL LANDFILL

REVISIONS

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DRAWN BY: J.R.W.
 CHECKED BY: J.R.W.

JOB NUMBER

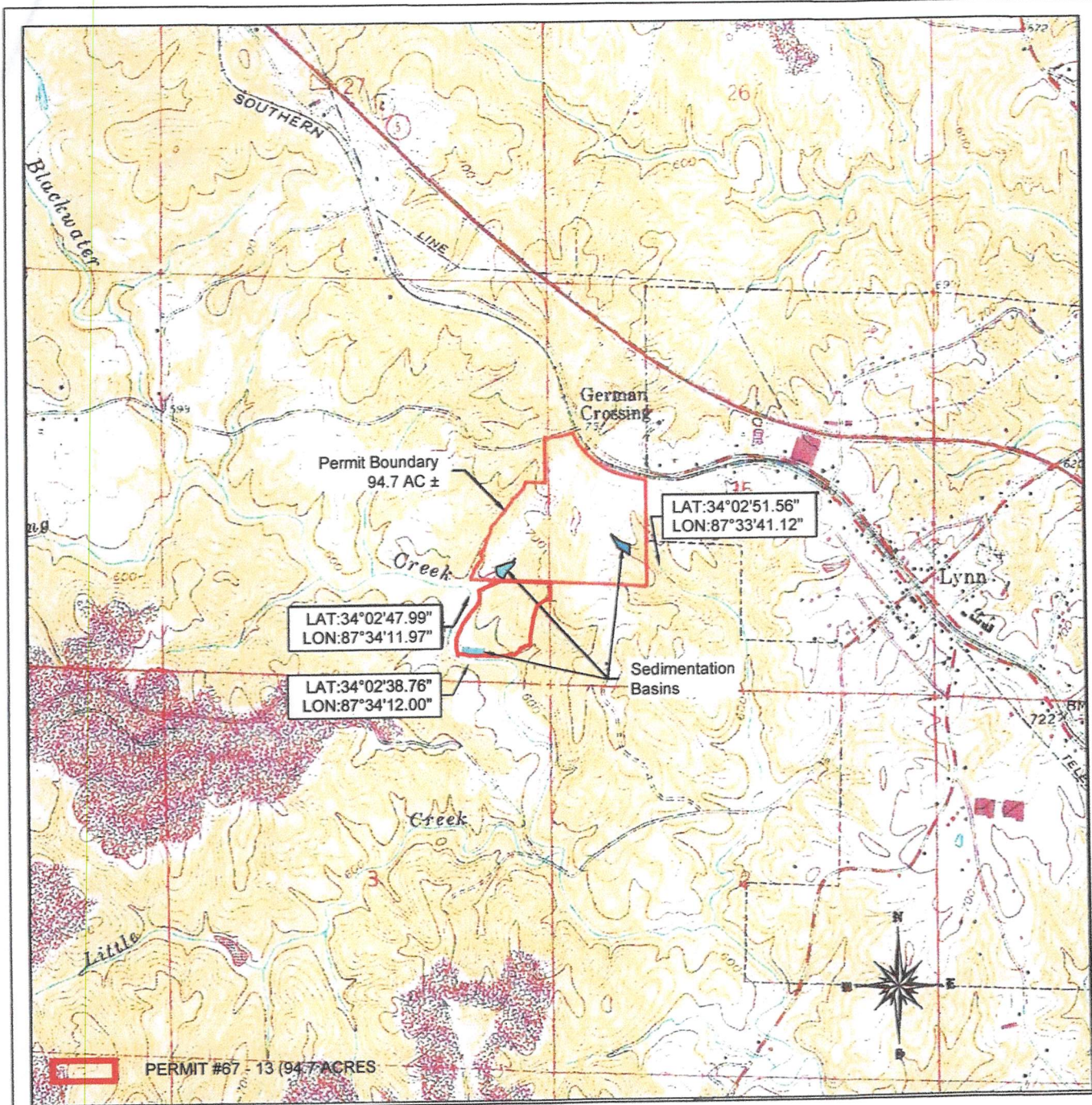
2020-1

DATE

09/23/20

SHEET NUMBER

9-9



PERMIT #67 - 13 (94.7 ACRES)

PACE INDUSTRIES, INC LYNN LANDFILL

| | | |
|------------------------|---------------------|---|
| DRAWN BY: J.R.W. | DATE: 10/12/2020 | Section: 34 & 35 Township: 11 South Range: 10 West Winston County, Alabama |
| APPROVED BY: J.R.W. | DATE: 10/12/2020 | |
| SCALE: 1" = 2,000' | SHEET: 1 OF 1 | Site Location Map Lynn USGS Quadrangle |

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS

Sediment basins (temporary or permanent) will be designed and constructed using the following as minimum specifications:

EMBANKMENT REQUIREMENTS

- A) The minimum width of the top of the embankment will under no circumstance be less than twelve (12) feet.
- B) The embankment will have a minimum front and back slope no steeper than the slopes listed on the detailed design sheet.
- C) The foundation area of the embankment will be cleared and grubbed of all organic matter with no surface slope steeper than 1 horizontal to 1 vertical.
- D) A core will be constructed in a cutoff trench along the centerline of the embankment. The cutoff trench will be of suitable depth and width to attain relatively impervious material.
- E) The embankment construction material will be free of sod, roots, stumps, rocks, etc., which exceed six (6") inches in diameter. The embankment material will be placed in layers of twelve (12") inches or less and compacted to ninety five (95%) percent of the standard proctor density, as set forth in ASTM.
- F) The embankment, foundation and abutments will be designed and constructed to be stable under normal construction and operating conditions, with a minimum static safety factor of 1.5 and a minimum seismic safety factor of 1.2, at normal pool level with steady seepage saturation conditions.
- G) The actual constructed height of the embankment will be a minimum of five (5%) percent higher than the design height to allow for settling over the life of the embankment.
- H) The design embankment height for temporary impoundments will be a minimum of one (1) foot above the maximum water level anticipated from a 10 Year - 24 Hour or a 25 Year - 6 Hour precipitation event (whichever is greater).

The design embankment height for permanent impoundments will be a minimum of one (1) foot above the maximum water level anticipated from a 10 Year - 24 Hour or a 50 Year - 6 Hour precipitation event (whichever is greater).

SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS
(continued)

- I) For embankments constructed as point source discharges, the embankment will be constructed and abutments keyed into undisturbed, virgin, ground if at all possible. In the event that this can not be achieved, additional design and construction specifications will be submitted in the Detailed Basin Design Plans.
- J) The embankment and all areas disturbed in the construction of the embankment will be seeded with a mixture of perennial and annual grasses, fertilized and mulched to prevent erosion and ensure restabilization. Hay dams, silt fences, rock check dams, etc. will be installed, where deemed necessary, as additional erosion prevention methods.

2. DISCHARGE STRUCTURE REQUIREMENTS

- A) The primary spillway will be designed to adequately carry the anticipated peak runoff from a 10 Year - 24 Hour precipitation event. The combination primary and secondary (emergency) spillway system will be designed to safely carry the anticipated peak runoff from a 25 Year - 6 Hour precipitation event. When sediment basins are proposed in the drainage course of a public water supply, the spillway system will be designed and constructed to adequately carry the runoff from a 50 Year - 24 Hour precipitation event.
- B) Channel linings, for secondary (emergency) spillways will be a trapezoidal open channel constructed in consolidated, nonerodible material and planted with a mixture of both annual and perennial grasses being predominantly fescue and bermuda. In the event that the spillway can not be constructed in consolidated, nonerodible material the spillway will be lined with riprap, concrete, asphalt or durable rock (See Detailed Design Plans for Spillway Lining).
- C) When consisting of pipe, the primary spillway will be installed according to Class "C" pipe installation for embankment bedding.
- D) Sediment basins with a single spillway system, such as a skimmer board, will be a trapezoidal open channel constructed in consolidated, nonerodible material and lined with riprap, concrete, asphalt or durable rock (See Detailed Design Plans for Spillway Lining).

**SEDIMENT BASIN CONSTRUCTION SPECIFICATIONS
(continued)**

- E) The primary spillway will be designed and constructed with device to eliminate floating solids from leaving the impoundment. This device will consist of a turned down elbow when using pipe or a skimmer system when using an open channel spillway.

- F) When necessary, to prevent erosion of the embankment or discharge area, a splash pad of riprap, durable rock, sacrete, etc. will be installed at the discharge end of the primary spillway.

- G) The combined spillway systems, for sediment basins constructed in series, will be designed to adequately accommodate the entire drainage area.

Diversion Ditch and Diversion Berm

Design and Construction Specifications

- 1. Temporary diversions will be designed and constructed to adequately carry the runoff from a 2 year – 6 Hour precipitation event.**
- 2. Permanent diversions will be designed and constructed to adequately carry the runoff from a 10 year – 6 Hour precipitation event.**
- 3. Permanent diversions will be designed and constructed with gently sloping banks stabilized with appropriate vegetation.**
- 4. All diversions will be designed, constructed and maintained, using the best technology currently available, whereas additional contribution of suspended solids to stream-flow and to runoff outside the permit area is prevented.**
- 5. Maintenance of appropriate gradient, channel lining, revegetation, roughness structures, detention basins, etc. will be used, when necessary, as sediment control measures for these diversions.**
- 6. Diversions will not be constructed on existing landslides nor be located so as to increase the potential for landslides.**
- 7. Channel linings will consist of a mixture of both annual and perennial grasses being predominantly fescues and Bermuda.**
- 8. Adequate freeboard will be provided for protection for transition of flows and critical areas such as swales and curves along the entire diversion length.**
- 9. At discharge points, where diversions intersect with natural streams or exit velocities of the diversion intersect with natural streams or exit velocities of the diversion are greater than that of the receiving streams, energy dissipaters will be installed when deemed necessary.**
- 10. The entire area in which a diversion berm is proposed will be cleared and grubbed of all organic material, scarified, and no surface slope will be left steeper than 1V : 1H.**
- 11. Diversions berms will be constructed with desirable material, free of sod, stones, roots, limbs, etc. over six (6") inches in diameter. This material will be spread in layers no greater than twelve (12") inches in thickness and compacted, to ninety five (95%) percent of the standard proctor density, as outlined in ASTM, until the design height is reached.**
- 12. Upon completion of construction of diversion ditches or diversion berms, all perennial grasses, fertilized, and mulched in order to minimize erosion and ensure restabilization.**
- 13. All diversions (berms or ditches) will be examined quarterly for erosion, instability, structural weakness, or other hazardous conditions and maintenance performed as necessary.**

6.0 SITE GEOLOGY AND HYDROLOGY

The Pace Industries, Inc. existing Lynn Landfill is located in Section 35, Township 11 South, Range 10 West, Winston County, Alabama as seen from the 1983 photo revised Lynn quadrangle. The landfill site is located within the Cumberland Plateau Section of the Appalachian Plateaus Physiographic Province as shown in "Hydrologic Assessment, Eastern Coal Province Area 23, Alabama". The Pottsville formation underlies the landfill area and has been described as consisting of alternating beds of grey sandstone, conglomerate, siltstone, and shale with beds of coal and underclay, as described in "Water Resources and Geology of Winston County, Alabama". The Pottsville formation within Winston County has an estimated thickness of twelve hundred (1,200) feet, crops out in most of the county and the base of the formation dips toward the south-southwest at an average of forty-five (45) feet per mile.

The terrain for the landfill area can be described as a ridge top rising above a floodplain associated with Blackwater Creek. This ridge top has one main draw that runs northeast to southwest through the existing area and directs rainfall to the topographically lower areas. There is another minor draw that starts in the east and runs to the southwest that meets the main drain at the existing site boundary. This existing landfill area is well drained.

The existing landfill site is located on a ridge that is bordered by steep hollows on the east and west. Based upon the local topography and the water well inventory the depth to groundwater is estimated to be 80 feet (bls) and the inferred direction of groundwater flow at this site is to the south and west towards the main draws that runs through the middle of the existing site.

LANCE R. LEFLEUR
DIRECTOR



KAY IVEY
GOVERNOR

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

August 11, 2017

Mr. Wayne Bass, President
Pace Industries, Inc. Lynn Landfill
P.O. Box 354
Lynn, Alabama 35575

RE: Variance Request
Pace Industries, Inc. Lynn Landfill
Permit No. 67-13

Dear Mr. Bass:

On July 16, 2017, the Department received your request for a variance from ADEM Rule 335-13-4-.23(1)(c) requiring all waste to be confined to as small an area as possible. After review, the Department approves your request to operate three working faces. The first working face for the old disposal area, the second working face for the expansion area, and the third working face for tire disposal. Enclosed is the modified Solid Waste Facility Disposal Permit for the Pace Industries, Inc. Lynn Landfill. The permit modification is effective August 11, 2017 and the permit expiration will remain February 10, 2018.

If you should have any questions, please contact Mr. Jonathan Crosby of the Solid Waste Engineering Section at (334) 270-5644.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Scott Story".

S. Scott Story, Chief
Solid Engineering Section
Land Division

SSS/jc

Birmingham Branch
110 Vulcan Road
Birmingham, AL 35209-4702
(205) 942-6168
(205) 941-1603 (FAX)

Decatur Branch
2715 Sandlin Road, S.W.
Decatur, AL 35603-1333
(256) 353-1713
(256) 340-9359 (FAX)



Mobile Branch
2204 Perimeter Road
Mobile, AL 36615-1131
(251) 450-3400
(251) 479-2593 (FAX)

Mobile-Coastal
3664 Dauphin Street, Suite B
Mobile, AL 36608
(251) 304-1176
(251) 304-1189 (FAX)

FINAL DETERMINATION

Variance

**Pace Industries, Inc.
P.O. Box 354
Lynn, Alabama 35575**

**Pace Industries, Inc. Lynn Landfill
Permit No. 67-13**

August 11, 2017

Pace Industries Inc. has submitted to the Alabama Department of Environmental Management (ADEM) a request for a variance from ADEM Rule 335-13-4-.23(1)(c) requiring all waste to be confined to as small an area as possible. Pace Industries, Inc. requests approval to operate three working faces. The first working face for the old disposal area, the second working face for the expansion area, and the third working face for tire disposal. After review, The Solid Waste Engineering Section has determined that the permit application complies with the requirements of ADEM's Administrative Code Division 13. All other permit conditions will remain unchanged.

Technical Contact:

**Mr. Jonathan Crosby
Solid Waste Engineering Section
Land Division**



SOLID WASTE DISPOSAL FACILITY PERMIT

PERMITTEE: Pace Industries, Inc.

FACILITY NAME: Pace Industries, Inc. Lynn Landfill

FACILITY LOCATION: Northwest ¼ of Southwest ¼ and a part of the Southwest ¼ of Northwest ¼ of Section 35, Township 11 South, Range 10 West in Winston County. The total permitted area is approximately 73.927 acres with 60.894 acres approved for disposal.

PERMIT NUMBER: 67-13

PERMIT TYPE: Construction/Demolition Landfill

WASTE APPROVED FOR DISPOSAL: Non-hazardous construction/demolition waste including but not limited to masonry materials, sheet rock, roofing waste, insulation materials, tires, rebar, scrap materials, paving materials, wood products, and coal ash resulting from the combustion of coal or fossil fuels at electrical steam generating plants.

The Permittee may accept the following wastes from Dal Tile Corporation: scrap wood products, green tile (wet or dry), fired tile, clay, shale, Fernsprings clay, Mary Lee clay, miscellaneous waste packaging materials and floor sweepings (primarily clays and shale).

APPROVED WASTE VOLUME: Maximum Average Daily Volume of 750 tons per day

APPROVED SERVICE AREA: State of Alabama

In accordance with and subject to the provisions of the Solid Wastes & 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: February 8, 2013

EFFECTIVE DATE: February 11, 2013

MODIFICATION DATE: August 11, 2017

EXPIRATION DATE: February 10, 2018

Alabama Department of Environmental Management

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

Permittee: Pace Industries, Inc.
P.O. Box 354
Lynn, Alabama 35575

Landfill Name: Pace Industries, Inc. Lynn Landfill

Landfill Location: Northwest ¼ of Southwest ¼ and a part of the Southwest ¼ of Northwest ¼ of Section 35, Township 11 South, Range 10 West in Winston County

Permit Number: 67-13

Landfill Type: Construction and Demolition

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 Pace Industries, Inc. (hereafter called the Permittee), to operate a solid waste disposal facility, known as the Pace Industries, Inc. Lynn 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 335-13-1 through 335-13-14 of the ADEM Administrative Code (hereinafter referred to as the "ADEM Admin. Code" or as "335-13"). 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 Admin. 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 14, 2012 and July 16, 2017, and as amended, 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 February 11, 2013, modified on August 11, 2017, and shall remain in effect until February 10, 2018, unless suspended or revoked.


Alabama Department of Environmental Management

8/11/17
Date Signed

Adjacent Landowners

1. Town of Lynn – P.O. Box 145 Lynn Al 35575
2. Pace Industries, Inc. - P.O. Box 354 Lynn Al 35575
3. WINSTON MACHINERY AND EQUIPMENT CO INC - P.O. Box 187 Lynn Al 35575
4. Town of Lynn Parks and Recreation – P.O. Box 145 Lynn Al 35575
5. Lorri Duboise - P.O. Box 635 Double Springs Al 35553
6. Bass Family Investments, LLC. - P.O. Box 181 Lynn Al 35575
7. Jerry Heck – 842 County Road 1 Lynn Al 35575
8. Molag Timberprop LLC. – 14120 Ballantyne Corp Place Suite 525, Charlotte NC 28277
9. University of Alabama Board of Trustees - P.O. Box 870106 Tuscaloosa Al 35487