CCR COMPLIANCE

LINER CERTIFICATION – FLY ASH AND BOTTOM ASH BASINS

Prepared for:

Louisiana Generating LLC, a subsidiary of NRG
Big Cajun II
10431 Cajun II Road
New Roads, LA 70760

Prepared by:

CB&I Environmental & Infrastructure, Inc.
Baton Rouge, LA 70809

October 2016

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List of Acronyms

CB&I	CB&I Environmental and Infrastructure
BC II	Big Cajun II Plant
CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
cm/sec	centimeters per second
EPA	U.S. Environmental Protection Agency
LAC	Louisiana Administrative Code
LaGen	Louisiana Generating, LLC
LDEQ	Louisiana Department of Environmental Quality
MSL	Mean Sea Level
NRG	NRG Energy, Inc.
RCRA	Resource Conservation and Recovery Act
LPDES	Louisiana Pollutant Discharge Elimination System
SWMU	Solid Waste Management Units
yd^3	cubic yards

CCR Regulatory Requirements

USEPA CCR Rule Criteria 40 CFR 257.71	NRG Big Cajun II Power Plant Liner Certification Document
§257.71(a)(1) stipulates: *No later than October 17, 2016, the owner or operator of an existing CCR surface impoundment must document whether or not such unit was constructed with any one of the following: (i) A liner consisting of a minimum of two feet of compacted soil with a hydraulic conductivity of no more than 1x10-7 cm/sec; (ii) A composite liner that meets the requirements of §257.70(b); or (iii) An alternative composite liner that meets the requirements of §257.70(c).*	Section 4.0
§257.71(a)(2) stipulates: *The hydraulic conductivity of the compacted soil must be determined using recognized and generally accepted methods.*	Section 4.1.1
§257.71(a)(3) stipulates: *An existing CCR surface impoundment is considered to be an existing unlined CCR surface impoundment if either: (i) The owner or operator of the CCR unit determines that the CCR unit is not constructed with a liner that meets the requirements of paragraphs (a)(1)(i), (ii), or (iii) of this section; or (ii) The owner or operator of the CCR unit fails to document whether the CCR unit was constructed with a liner that meets the requirements of paragraphs (a)(1)(i), (ii), or (iii) of this section.*	Section 4.1.2
§257.71(a)(4) stipulates: *All existing unlined CCR surface impoundments are subject to the requirements of §257.101(a).*	Section 4.1.2

USEPA CCR Rule Criteria 40 CFR 257.71	NRG Big Cajun II Power Plant Liner Certification Document
§257.71(b) stipulates: *The owner or operator of the CCR unit must obtain a certification from a qualified professional engineer attesting that the documentation as to whether a CCR unit meets the requirements of paragraph (a) of this section is accurate.*	Section 6.0
§257.71(c) stipulates: *The owner or operator of the CCR unit must comply with the recordkeeping requirements specified in §257.105(f), the notification requirements specified in §257.106(f), and the Internet requirements specified in §257.107(f).*	Section 5.0

1.0 *INTRODUCTION*

CB&I Environmental and Infrastructure, Inc. (CB&I) has prepared the following Liner Certification document at the request of Louisiana Generating, LLC (LaGen) (a subsidiary of NRG Energy, Inc. [NRG]) for the Fly Ash Basin and Bottom Ash Basin (Ash Basins) located at its Big Cajun II Power Plant (BC II Plant) near New Roads, Pointe Coupee Parish, Louisiana (**Figure 1**). The BC II Plant is a coal-fired and natural gas fired power plant that has been in operation since 1980. The Ash Basins have been deemed to be regulated coal combustion residual (CCR) units by the U.S. Environmental Protection Agency (EPA), through the Disposal of Coal Combustion Residuals from Electric Utilities Final Rule (CCR Rule) 40 CFR §257 and §261.

There are five solid waste management units (SWMUs) at the BC II Plant that are operated as industrial surface impoundments in accordance with the Louisiana Department of Environmental Quality (LDEQ), Louisiana Solid Waste Regulations (Louisiana Administrative Code [LAC] Title 33: part VII) under Permit Number P-0108R1 for Facility Identification Number GD-077-0583. Two of the five SWMUs are required to comply with the requirements of the CCR Rule, which include the Fly Ash Basin and Bottom Ash Basin. The other three LDEQ-permitted surface impoundments at the BC II Plant that are not subject to the CCR Rule requirements include the Primary Louisiana Pollutant Discharge Elimination System (LPDES) Treatment Pond, Secondary LPDES Treatment Pond, and Rainfall Surge Pond (**Figure 2**).

The current document is presented to provide supporting documentation and professional judgement regarding the Fly Ash Basin and Bottom Ash Basin liners at LaGen's BC II Plant. The format of the Liner Certification report has been prepared in accordance with the CCR Rule requirements with specific citations of the applicable portions of the CCR Rule, which are further described in Section 2.0.

2.0 *REGULATORY OVERVIEW OF CCR LINER CERTIFICATION REQUIREMENTS*

On April 17, 2015, the EPA published the CCR Rule under Subtitle D of the Resource Conservation and Recovery Act (RCRA) as 40 CFR Parts 257 and 261. The purpose of the CCR Rule is to regulate the management of coal combustion residuals in regulated units for landfill and surface impoundments. Section 257.71 of the CCR Rule requires owners or operators of CCR Units to provide liner criteria for existing CCR surface impoundments.

The following citations from the Rule are applicable for the Fly Ash Basin and Bottom Ash Basin as discussed in this document:

§257.71(a)(1) stipulates:

No later than October 17, 2016, the owner or operator of an existing CCR surface impoundment must document whether or not their facility's CCR unit(s) have been constructed with any one of the following:

(i) A liner consisting of a minimum of 2 feet of compacted soil with a hydraulic conductivity of no more than 1 × 10-7 cm/sec;

(ii) A composite liner (geomembrane and 2-foot thick compacted soil with a hydraulic conductivity of no more than 1 x 10^{-7} cm/sec) that meets the requirements of § 257.70(b); or

(iii) An alternative composite liner that meets the requirements of § 257.70(c).

The requirements for a composite liner referenced in (ii) and (iii) above, are not applicable to the Fly Ash Basin and Bottom Ash Basin because these units are not equipped with composite liner systems.

§257.71(a)(2) stipulates:

The hydraulic conductivity of the compacted soil must be determined using recognized and generally accepted methods. This is in reference to the geotechnical testing methods for soils used to evaluate whether the liner meets the hydraulic conductivity of no more than 1 × 10^{-7} cm/sec.

§257.71(a)(3) stipulates:

An existing CCR surface impoundment is considered to be an existing unlined CCR surface impoundment if either: (i) The owner or operator of the CCR unit determines that the CCR unit is not constructed with a liner that meets the requirements of paragraphs (a)(1)(i), (ii), or (iii) of this section; or (ii) The owner or operator of the CCR unit fails to document whether the CCR unit was constructed with a liner that meets the requirements of paragraphs (a)(1)(i), (ii), or (iii) of this section.

§257.71(a)(4) stipulates:

All existing unlined CCR surface impoundments are subject to the requirements of §257.101(a).

The requirements for a composite liner referenced in (a)(4) above are not applicable for the Fly Ash Basin and Bottom Ash Basin because these units are considered to be lined in accordance with §257.71(a)(1)(i).

§257.71(b) stipulates:

Upon confirmation that the liner meets the CCR Rule requirements the owner or operator of the CCR unit must obtain a certification from a qualified professional engineer attesting that the documentation, as to whether a CCR unit meets the requirements of paragraph (a) of this section, is accurate.

§257.71(c) stipulates:

The owner or operator of the CCR unit must comply with the recordkeeping requirements specified in § 257.105(f), the notification requirements specified in §257.106(f), and the Internet requirements specified in §257.107(f).

3.0 CCR ASH BASIN OVERVIEW

Pertinent site information and history related to the installation and operation of the Fly Ash Basin and Bottom Ash Basin is presented below to provide context for the Liner Certification documentation.

3.1 Location, Topography, and Character

The LaGen BC II Plant is located at 10431 Cajun II Road, New Roads, Pointe Coupee Parish, Louisiana. The BC II Plant is situated in Sections 4, 5, and 37 in Township 4 South and Range 11 East. The Fly Ash Basin and Bottom Ash Basin are located on the southwest end of the surface impoundments west of the BC II Plant and are bordered on the west by wooded property, a drainage ditch, and agricultural land; on the north by wooded property and agricultural land; and on the south by wooded property and grassy fields, as detailed on **Figures 1** and **2**.

Both the Fly Ash Basin and Bottom Ash Basin were constructed and became operational in 1980. The CCR units were constructed above natural grade with a base of approximately 30 feet Mean Sea Level (MSL). The Fly Ash Basin was constructed with a surrounding berm with a designed crest elevation of 40-feet MSL. The Bottom Ash Basin was constructed with a surrounding berm with a designed crest elevation of 48-feet MSL. The existing site topography is depicted on **Figure 3**. The Fly Ash Basin has a permitted total ash storage capacity of 3,905,000 cubic yards (yd^3). The Bottom Ash Basin has a total permitted ash storage capacity of 2,585,000 yd^3.

3.2 Existing Regulatory Permits

The Fly Ash Basin and Bottom Ash Basin have been granted and are currently operating under a Louisiana Department of Environmental Quality (LDEQ) Solid Waste Permit as industrial surface impoundments in accordance with the Louisiana Solid Waste Regulations (LAC 33:VII) under Permit Number P-0108R1 and Facility Identification Number GD-077-0583. The Solid Waste Permit renewal was issued by the LDEQ on February 24, 2011 and allows CCR materials generated on-site at the LaGen BC II Plant to be properly disposed of within the boundaries of the Fly Ash Basin and Bottom Ash Basin.

3.3 Fly Ash Basin and Bottom Ash Basin Operation and Conditions

The Fly Ash Basin is used to collect and store fly ash generated from the burning of finely pulverized coal in a high efficiency boiler. Fly ash is collected, stored in a silo and then transported by truck to the Fly Ash Basin for disposal.

The Bottom Ash Basin receives bottom ash from Units 1 and 3, as well as sediment from the clarifier beds associated with the cooling towers and boilers. Bottom ash is generated concurrently with fly ash during the combustion of coal. It is formed in the boiler when particles of ash fuse together. These fused particles become too large to remain entrained in the rising flue gas and fall to the bottom of the boiler. The bottom ash from Unit 1 is collected in hoppers at the base of the boiler of Unit 1 and then transported hydraulically (sluiced) through a pipe directly to the south part of the Bottom Ash Basin. Bottom ash from Unit 3 is collected in hoppers at the base of the boiler and trucked in a hydrated state to the southwest corner of the Bottom Ash Basin for disposal. The clarifier sediments are piped to the southeast corner of the Bottom Ash Basin.

The Fly Ash Basin surface water runoff is directed by an interior drainage swale to a pipe connection into the Bottom Ash Basin. The Bottom Ash Basin sluice water and surface water combined with surface water runoff from the Fly Ash Basin are directed by an interior swale to a weir located at the northeast corner of the Bottom Ash Basin. A 30-inch diameter pipe carries the combined water by gravity flow to the Rainfall Surge Pond. Water from the Rainfall Surge Pond is then pumped into the Primary Treatment Basin for further treatment. Water flows by gravity from the Primary Treatment Basin to the Secondary Treatment Basin. A pump station moves water from the Secondary Treatment Basin to the Mississippi River discharge point in accordance with the Plant's LPDES permit (Permit No. LA0054135).

4.0 LINER CERTIFICATION DOCUMENTATION

Supporting documentation for the liner evaluation and liner certification for the Fly Ash Basin and Bottom Ash Basin are presented below in accordance with the cited CCR Rule requirements.

4.1 Liner Evaluation

At the time the Fly Ash and Bottom Ash Basins were constructed, the design and installation of the Ash Basins met the requirements of the Louisiana Solid Waste Regulations. These regulations required that the permitted impoundments be constructed with a minimum of 3 feet of soils that would provide a barrier to prevent any penetration of surface spills into groundwater aquifers underlying the area or to an underlying sand or other permeable stratum that would provide a conduit to such aquifers. To meet that requirement, the impoundments were constructed over native clayey soils with some areas being supplemented with a 1-foot thick recompacted clay to ensure the combination of native clayey soil and recompacted clay had a minimum thickness of 3 feet everywhere across the bottom of the Basins.

The CCR Rule does not mention the use of native soil to meet the CCR Rule liner requirements. Accordingly, an evaluation of the site conditions and CCR Rule is necessary to determine if the subsurface conditions beneath the Ash Basins meet the intent of the CCR Rule liner certification requirements.

4.1.1 Previous Investigation Soil Boring Data

Prior to construction of the Ash Basins, a subsurface soil investigation was conducted in 1977 to evaluate the soils at the Site. The 1977 investigation included the installation and sampling of approximately 223 borings drilled to depths of 10 feet below ground surface (bgs) and an additional 37 borings advanced to depths of approximately 32 to 54 feet bgs, all on a 250-foot spaced grid pattern across the footprints of the Fly Ash Basin, Bottom Ash Basin, and other non-CCR impoundments at the BC II Plant site. The investigation included laboratory testing of soil samples from selected borings for various geotechnical parameters (Atterberg Limits Determination, dry density, moisture content, grain size analysis, and permeability). All geotechnical characterization and testing was performed by Louis J. Capozzoli and Associates, Inc. using laboratory procedures that conform to appropriate ASTM standards, which are recognized and generally accepted methods.

A copy of the boring logs from the 1977 investigation is presented in **Appendix A** and a copy of the geotechnical laboratory results is presented in **Appendix B**.

4.1.2 Geotechnical Testing and Evaluation Results

A review and evaluation of the lithologic and laboratory geotechnical testing data and results from the 1977 investigation indicate that the native soil lining the Fly Ash and Bottom Ash Basins consists of clayey soils ranging in thickness from 3 to more than 10 feet over 97 percent of the site. An isopach map depicting the thickness of the clayey soils underlying the Fly Ash and Bottom Ash Basins (and other surface impoundments) is presented on **Figure 4**. The clayey soils consist predominately of clay and silty clay, plus some clayey silt, meeting the required coefficient of permeability (no more than 1×10^{-7} cm/sec) with a maximum permeability of 6×10^{-8} cm/sec for a clayey silt. The laboratory permeability test results of less than 1×10^{-7} cm/sec are typical for high plasticity clays and clayey silts. Approximately 7 percent of the test borings indicated a clayey soil thickness of less than 3 feet. The areas of clayey soil that were less than 3 feet thick were resurfaced with additional recompacted clay during the construction of the impoundments to ensure a minimum clayey soil thickness of 3 feet below the impoundments. Cross sections from the original solid waste permit application for the Fly Ash and Bottom Ash Basins showing the thickness of the native and recompacted clay layer lining beneath the Fly Ash Basin and Bottom Ash Basin are shown on **Figures 5** through **8**. A plot showing the classification of the native fine-grained soil types within the uppermost 10 feet bgs, based on a determination of Atterberg Limits, is included in **Appendix C**.

The figure in **Appendix C** shows the native soil samples plotting in the high plasticity lean clay (CL) and fat clay (CH) areas in a line parallel to and above the A-Line which is anticipated for soils of similar geologic origin. These high plasticity soil sample results indicate that these soils would have permeabilities similar to the laboratory tests. The figure also shows a few samples plotting in the low plasticity silt and clayey silt area, indicating low plasticity. A review of the data indicates these samples to be mostly deeper than 3 feet and dispersed aerially over the basins. These samples would have a limited effect on the overall liner protectiveness.

Based on the information and evaluation provided above, the Ash Basins at the BC II Plant meet the protectiveness intent of the CCR Rule Liner Certification requirements.

5.0 *RECORD KEEPING/NOTIFICATION REQUIREMENTS*

As required in §257.105(f)(2), LaGen will maintain files of all information related to the liner certification of the Fly Ash Basin and Bottom Ash Basin in a written operating record at their facility as required by the CCR Rule. The files will be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, record, or study. The files for the liner certification will be maintained in one recordkeeping system with files separated by the name or identification number of each CCR unit. It is understood the files may be maintained on microfilm, on a computer, on computer disks, on a storage system accessible by a computer, on magnetic tape disks, or on microfiche.

5.1 Notification Requirements

Per §257.105(f)(3), the CCR Rule notifications required for liner certification of the Fly Ash Basin and Bottom Ash Basin will be sent to the relevant Administrative Authority/State Director within 30 days of placing them in the facility's operating record (and on LaGen's publicly accessible Internet site). The notifications for separate CCR units undergoing liner certification at the BC II Plant will be combined for record keeping purposes and identified by the name or identification number of each CCR unit.

5.2 Publically Accessible Internet Site Requirements

As required by §257.105(f)(3), LaGen will post the following information for the liner certification of the Fly Ash and Bottom Ash Basins to the CCR Web site within 30 days of placing the pertinent information in the facility's operating record. The files for separate CCR units undergoing liner certification at the BC II Plant will be maintained in one recordkeeping system with files separated by the name or identification number of each CCR unit. The files will be made available to the public for at least 5 years following the date on which the information was first posted to the CCR Web site.

6.0 *QUALIFIED PROFESSIONAL ENGINEER CERTIFICATION*

The undersigned registered professional engineer is familiar with the requirements of §257.71 and has visited and examined the LaGen Big Cajun II Plant or has supervised examination of the Big Cajun II Plant by appropriately qualified personnel. The undersigned registered professional engineer attests that this CCR Liner Certification has been prepared in accordance with good engineering practice, including consideration of applicable industry standards and meets the intent of the requirements of §257.71, and that this Liner Certification is adequate for the Big Cajun II Plant. This certification was prepared as required by §257.71(b).

Name of Professional Engineer: Glen R. Landry

Company: CB&I Environmental, Inc

Signature: Glen R. Landry

Date: 10/5/16

PE Registration State: Louisiana

PE Registration Number: 18931

Professional Engineer Seal:

7.0 *REFERENCES*

Environmental Protection Agency; 2015; 40 CFR Parts 257 and 261 Rules and Regulations, Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Volume 80, No. 74; Final Rule.

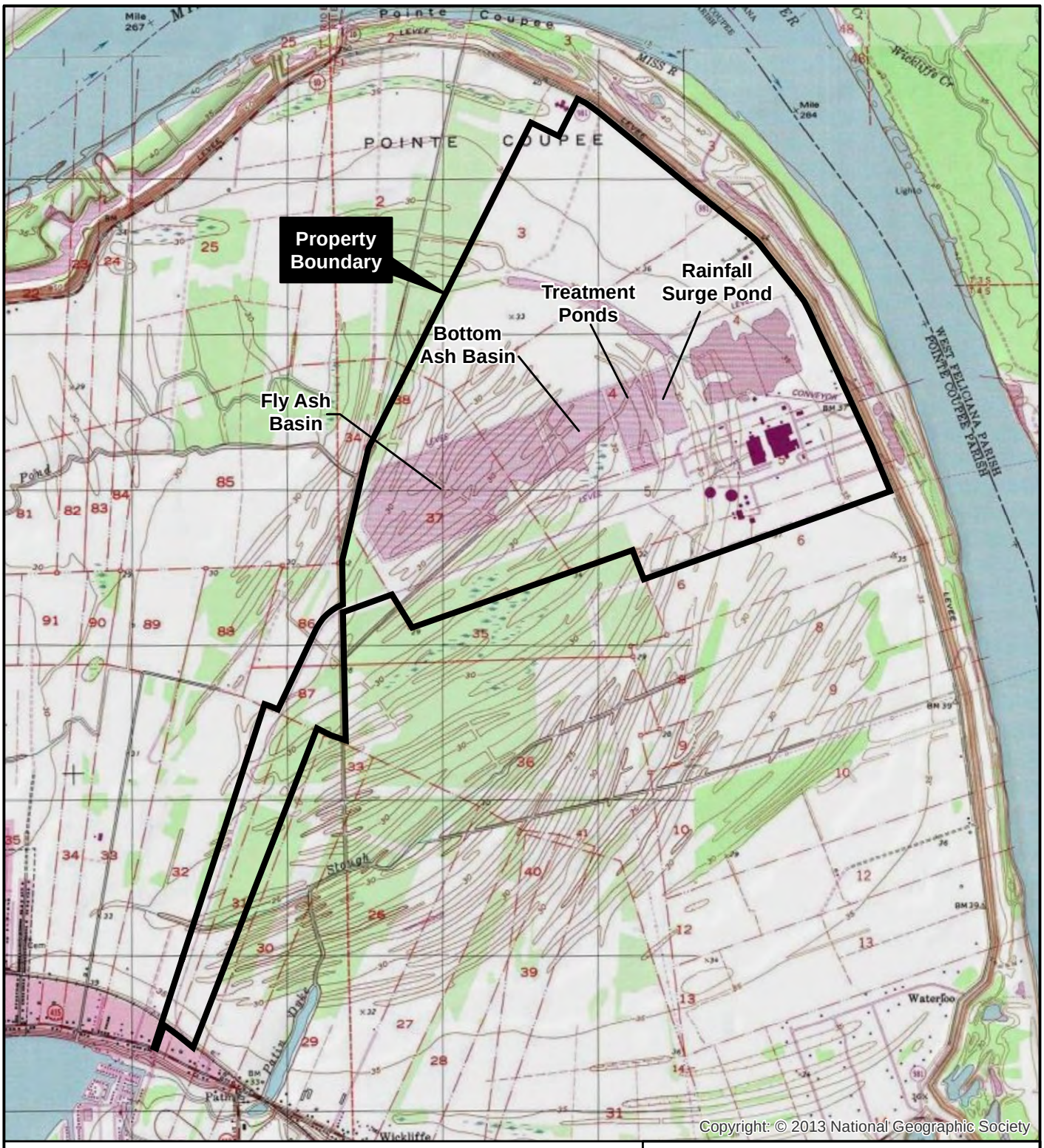
Louis J. Capozzoli and Associates, Inc.; 1974; Preliminary Subsoil Investigation and Foundation Design Data, Big Cajun No. 2, Site C-2, New Roads, Louisiana; File No. 74-30.

Louis J. Capozzoli and Associates, Inc.; 1977; Preliminary Subsurface Soil Investigation and Laboratory Testing, Ash Storage Area, CEPCO No. 2, Plant Site; New Roads, Louisiana.

Louis J. Capozzoli and Associates, Inc.; 2005; Geotechnical Investigation, Bottom Ash Storage Pond Expansion, Big Cajun No. 2, Pointe Coupee Parish Plant Site, Louisiana; LJC&A File: 0558.

Shaw Environmental & Infrastructure, Inc.; 2010; Type I Solid Waste Facility Permit, Renewal and Modification Application, Final Copies, Permit No. P-0108 (Volumes 1 of 2 and 2of 2), Louisiana Generating, LLC, Big Cajun II Power Plant, New Roads, Pointe Coupee Parish, Louisiana.

FIGURES



N

0 1,500 3,000 6,000

Feet

LOUISIANA GENERATING, LLC
BIG CAJUN II POWER PLANT
NEW ROADS, LOUISIANA

BIG CAJUN II POWER PLANT
LINER CERTIFICATION

FIGURE NUMBER 1

SITE LOCATION

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

PRIMARY TREATMENT POND

RAINFALL SURGE POND

MISSISSIPPI RIVER

FLY ASH BASIN

BOTTOM ASH BASIN

INDUSTRIAL WASTE CANAL

COAL STORAGE

STORAGE SILOS

CONVEYOR BELT

ACCESS ROAD

SECONDARY TREATMENT POND

BARGE UNLOADING

BOILER NO. 1

BOILER NO. 3

BOILER NO. 2

LEGEND

1 3	INTERIOR DRAINAGE SWALE
2 5 7	30" DIA. PIPE
4	EXIT WEIR
6	BUTTREFLY VALVE
8	JUNCTION BOX
9	DISCHARGE
10	LIFT STATION
11	CHEMICAL STORAGE
12	DISCHARGE TO PRIMARY TREATMENT
13	AERATOR
14	LIFT STATION TO MISSISSIPPI RIVER

Source: Esri, DigitalGlobe, User Community

N

0 400 800 1,600

Feet

LOUISIANA GENERATING, LLC
BIG CAJUN II POWER PLANT
NEW ROADS, LOUISIANA

BIG CAJUN II POWER PLANT
LINER CERTIFICATION

FIGURE NUMBER 2

SITE LAYOUT

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
BTR	D. COMEAUX 09/22/16	CRW 10/03/16	GRL 10/03/16	631215151_B20

FLY ASH BASIN

BOTTOM ASH BASIN

PRIMARY TREATMENT POND

RAINFALL SURGE POND

SECONDARY TREATMENT POND

EXISTING RANCH BLDG'S (APPROX. LOCATION)

INACTIVE CDAC STORAGE

MISSISSIPPI RIVER

LEGEND

PROPERTY LINE

30 TOPOGRAPHIC CONTOUR (FEET, NGVD 29) WITH 2-FOOT CONTOUR INTERVAL

PLANT NORTH 3000 / TRUE NORTH

SCALE

0 1000 2000 FEET

REFERENCE: Louisiana Oil Spill Coordinator's Office (LOSCO), LiDAR Digital Elevation Map (DEM) of Louisiana, 2009.

LOUISIANA GENERATING, L.L.C.
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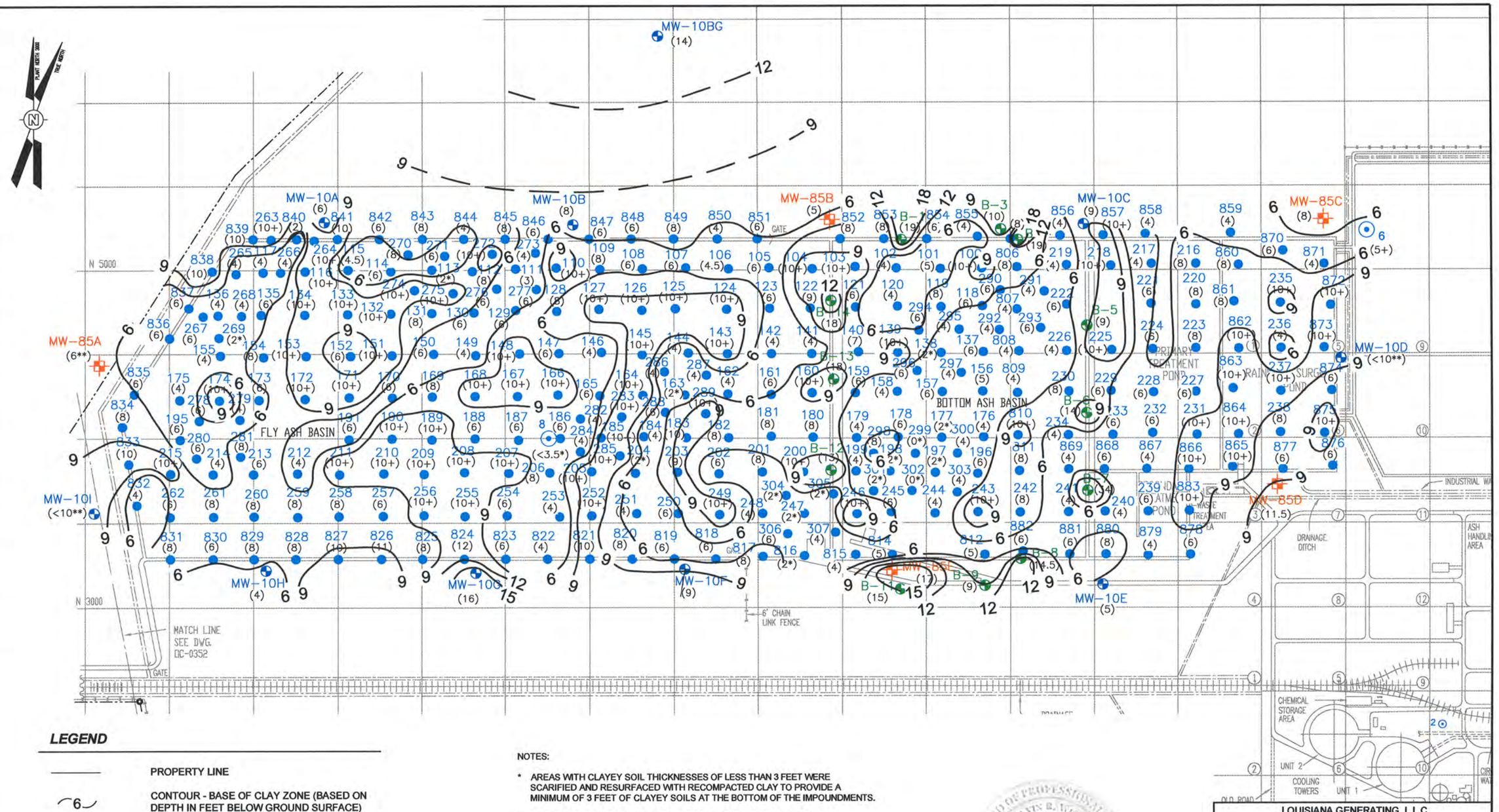
FIGURE NUMBER 3

EXISTING SITE TOPOGRAPHY

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
BTR	D. COMEAUX 09/22/16	CRW 10/03/16	GRL 10/03/16	631215151_B21



LEGEND

- PROPERTY LINE
- CONTOUR - BASE OF CLAY ZONE (BASED ON DEPTH IN FEET BELOW GROUND SURFACE)
- (9) DEPTH TO BASE OF CLAY ZONE IN FEET BELOW GROUND SURFACE
- SOIL BORINGS ADVANCED IN 1974
- SOIL BORINGS ADVANCED PRIOR TO 1977
- MONITORING WELL LOCATION (INSTALLED 1985)
- SOIL BORINGS ADVANCED IN 2005
- MONITORING WELL LOCATION (INSTALLED 2011)

NOTES:

* AREAS WITH CLAYEY SOIL THICKNESSES OF LESS THAN 3 FEET WERE SCARIFIED AND RESURFACED WITH RECOMPACTED CLAY TO PROVIDE A MINIMUM OF 3 FEET OF CLAYEY SOILS AT THE BOTTOM OF THE IMPOUNDMENTS.

** ESTIMATED BASE OF CLAY DEPTH DUE TO NO RECOVERY OR LACK OF DETAILED LITHOLOGIC INFORMATION.

SOME CONTOURS HAVE BEEN OMITTED FOR CLARITY.

CLAY ZONE THICKNESS INCLUDES LITHOLOGIES OF PREDOMINATELY CLAY AND SILTY CLAY WITH SOME CLAYEY SILT (AS DESCRIBED ON SOIL BORING LOGS) WITH PERMEABILITY TEST RESULTS OF 10^{-7} AND 10^{-8} CENTIMETERS PER SECOND.

LOUISIANA BOARD OF PROFESSIONAL GEOSCIENTISTS
CALVIN B. VIGGS
LICENSE NUMBER 519
10/4/2016
Est. 2011

SCALE
0 600 1200 FEET

LOUISIANA GENERATING, L.L.C.
BIG CAJUN II POWER PLANT
NEW ROADS, LOUISIANA

BIG CAJUN II POWER PLANT
LINER CERTIFICATION

FIGURE NUMBER 4

ISOPACH MAP
CLAY ZONE

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

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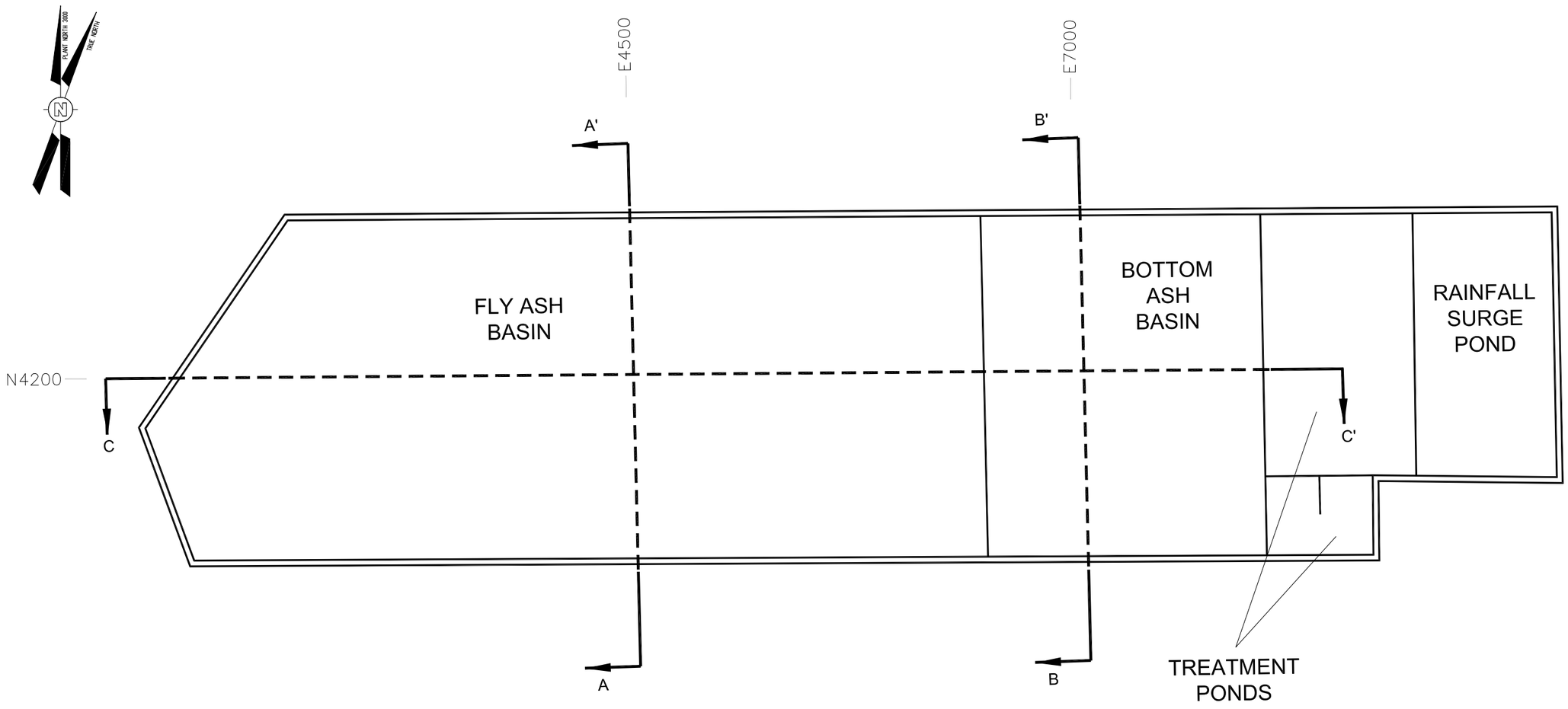
BTR	D. COMEAUX 09/22/16	CRW 10/03/16	GRL 10/03/16	631215151_B22



NOTES:
1. Cross-section lines are designated along approximate plant grid designated by North (N) or East (E) and coordinates in feet.

2. See Figures 6, 7, and 8 for Cross-Sections A-A', B-B', and C-C'.

SCALE
0 50 100 FEET

RE: SOURCE DRAWING PROVIDED BY C-K ASSOCATES, INC., DWG. NO. A05-268-02, 1/20/1994.

LOUISIANA GENERATING, L.L.C.
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FIGURE NUMBER 5

CROSS-SECTIONS LOCATION MAP

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

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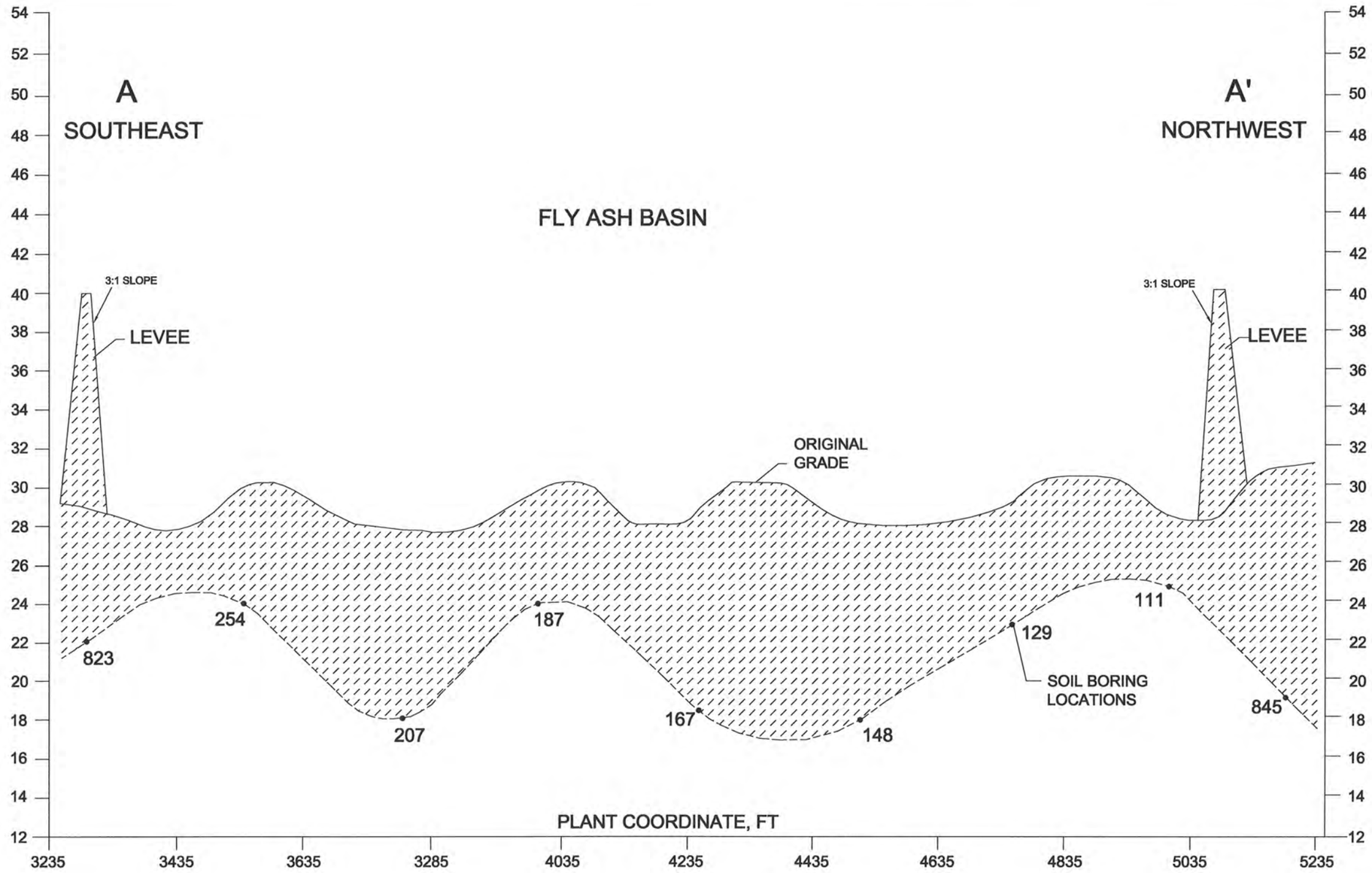
BTR	D. COMEAUX 09/22/16	CRW	10/03/16	GRL	10/03/16	631215151_B23



LEGEND:

Native clayey soils

NOTES:

1. Base information taken from Big Cajun's original 1986 Solid Waste Permit Application.
2. See Figure 5 for location of Cross-Section A-A'.

RE: SOURCE DRAWING PROVIDED BY C-K ASSOCATES, INC.

LOUISIANA GENERATING, L.L.C.
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FIGURE NUMBER 6

FLY ASH BASIN CROSS-SECTION A-A'

CB&I Environmental & Infrastructure, Inc.
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Baton Rouge, Louisiana 70809

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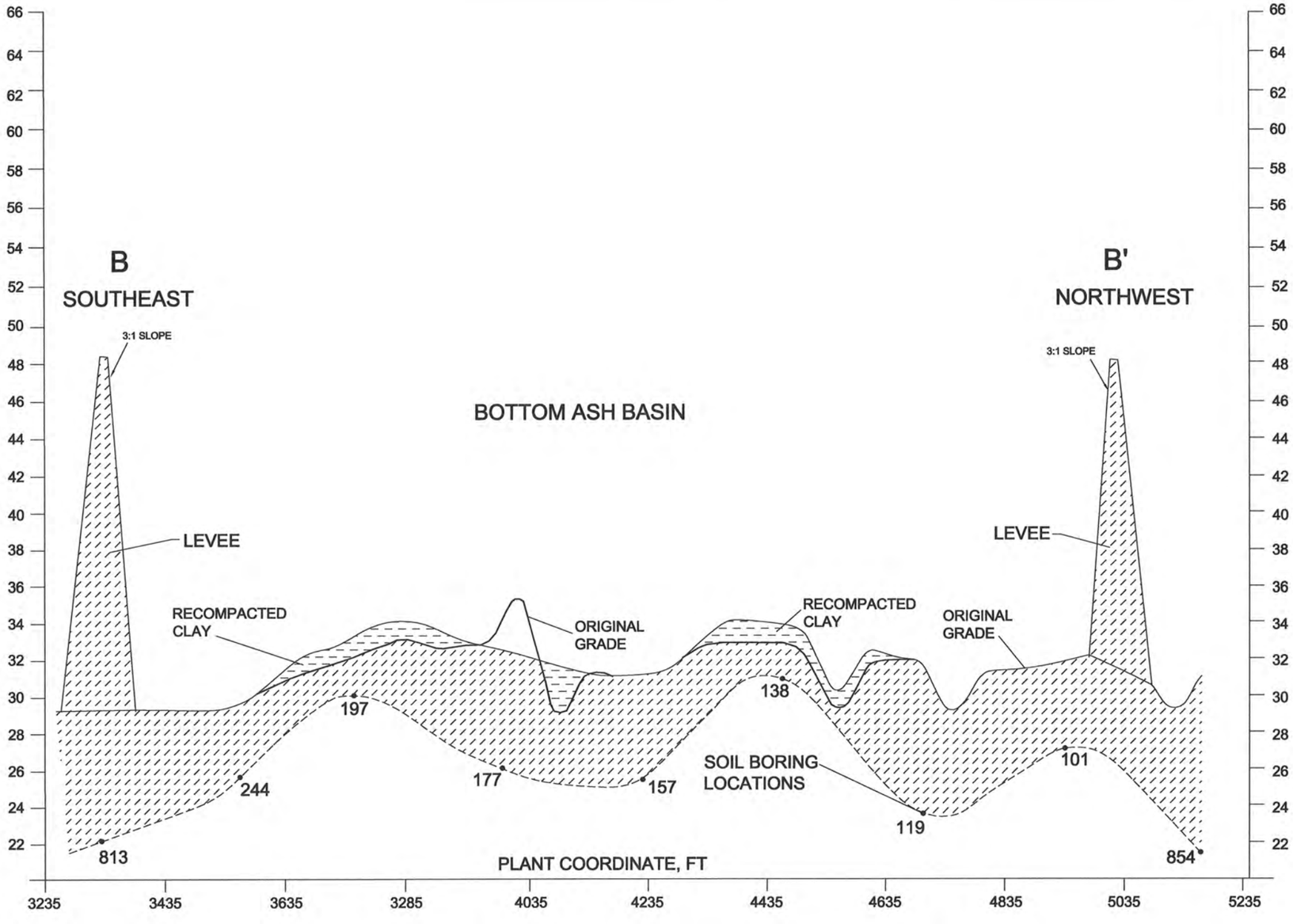


LEGEND:

- Native clayey soils at bottom of Basin
- Recompacted clay

NOTES:

1. Base information taken from Big Cajun's original 1986 Solid Waste Permit Application.
2. See Figure 5 for location of Cross-Section B-B'.

RE: SOURCE DRAWING PROVIDED BY C-K ASSOCATES, INC.

LOUISIANA GENERATING, L.L.C.
BIG CAJUN II POWER PLANT
NEW ROADS, LOUISIANA

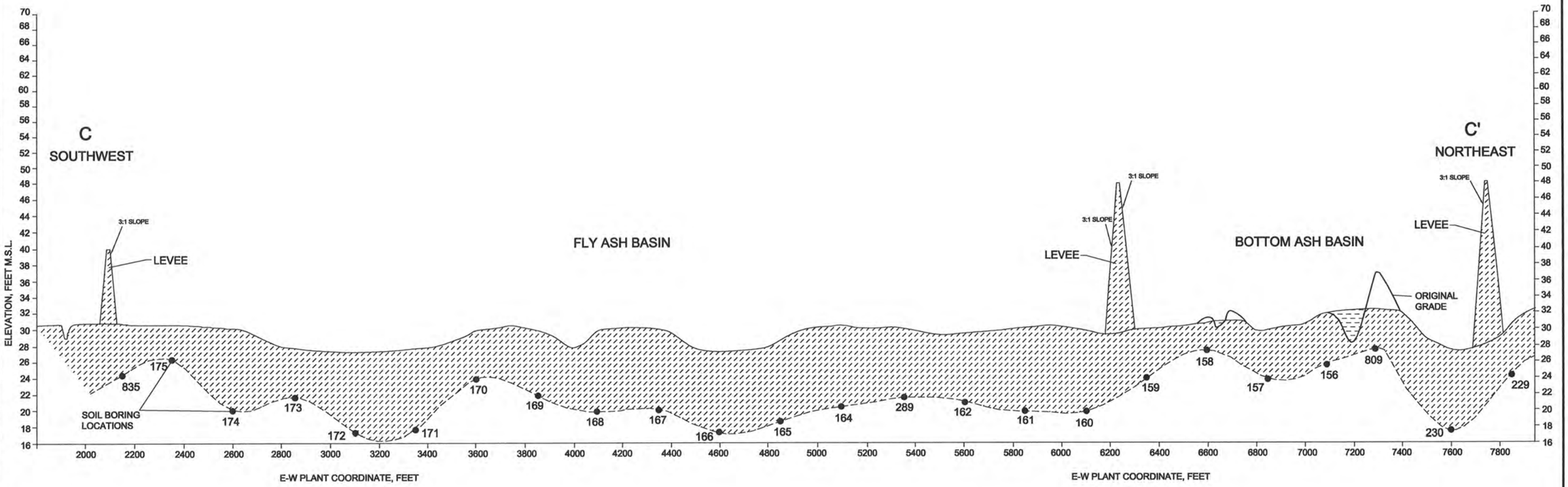
BIG CAJUN II POWER PLANT
LINER CERTIFICATION

FIGURE NUMBER 7

BOTTOM ASH BASIN CROSS-SECTION B-B'

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
BTR	D. COMEAUX 09/22/16	CRW 10/03/16	GRL 10/03/16	631215151_B25



LEGEND:

- Native clayey soils at bottom of Basin
- Recompacted clay

NOTES:

1. Base information taken from Big Cajun's original 1986 Solid Waste Permit Application.
2. See Figure 5 for location of Cross-Section C-C'.

LOUISIANA GENERATING, L.L.C.
BIG CAJUN II POWER PLANT
NEW ROADS, LOUISIANA

BIG CAJUN II POWER PLANT
LINER CERTIFICATION

FIGURE NUMBER 8

FLY ASH BASIN AND BOTTOM ASH BASIN CROSS-SECTION C-C'

CB&I Environmental & Infrastructure, Inc.
4171 Essen Lane
Baton Rouge, Louisiana 70809

APPENDIX A

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 100
FILE 74-30
DATE 8 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Soft tan and gray clay with traces of silt and grass roots

Soft tan and gray clay

5
Soft tan and gray slightly silty clay with silt pockets and one ½ inch layer of silt
Soft tan and gray silty clay with 2 inches of clayey silt layers
Soft tan and gray silty clay with 2 inches of clayey silt layers
Loose tan and gray clay with clay streaks

10

Boring 101
Boring Depth 10 feet

0
Soft tan and gray clay with traces of silt and grass roots

Medium tan and gray clay
Medium tan and gray clay with silt pockets
5
Loose tan and gray slightly clayey silt with clay pockets

Loose tan silt with clay traces

10
Loose tan silt with clay traces

Boring 102
Boring Depth 10 feet

0
Soft tan and gray clay with traces of grass roots

Soft tan and gray slightly silty clay

5
Very loose tan and gray clayey silt

Loose tan silt with traces of sand and clay

10
Loose tan silt with clay pockets

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 103
FILE 74-30
DATE 8 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Soft tan and gray clay with 2 inch top layer of brown silt and grass roots

Soft tan and gray clay with silt traces
Soft tan and gray silty clay
5 Soft tan and gray very silty clay with silt streaks

Soft tan and gray clay with silt traces

Soft tan and gray clay with silt pockets, streaks and 1 inch layer
10

Boring 104
Boring Depth 10 feet

0
Soft tan and gray clay with grass root traces

Soft tan and gray clay
5
Medium tan and gray clay with silt traces

Soft tan and gray clay with 1½ inch of very silty clay layers

Soft tan and gray clay with silt pockets
10

Boring 105
Boring Depth 10 feet

0
Soft tan and gray clay with traces of grass roots

Soft tan and gray clay
5
Soft tan and gray clay with silt pockets

Loose tan and gray silt

Loose tan and gray silt
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 106
FILE 74-30
DATE 8 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium tan and gray clay with traces of silt and grass roots

Soft tan and gray slightly silty clay with silt pockets
5 Top 4 inch soft tan and gray silty clay, middle 6 inches of loose tan and and gray clayey silt, bottom 12 inches loose tan and gray silt
Soft tan and gray silty clay
Loose tan silt with clay traces
Loose tan silt with clay traces
10 Soft tan and gray clay with silt traces

Boring 107
Boring Oepth 10 feet

0
Medium tan and gray clay with traces of grass roots

Soft tan and gray clay with silt traces
5 Soft tan and gray clay with silt traces
Loose tan and gray slightly clayey silt with clay streaks
10 Very soft gray very silty clay

Boring 108
Boring Depth 10 feet

0
Soft tan and gray clay with traces of grass roots

Soft tan and gray clay
5 Soft tan and gray clay

Loose tan and gray silt
Loose tan and gray silt
10 Loose tan and gray silt with sand traces

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 109
FILE 74-30
DATE 8 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Soft tan and gray clay with traces of grass roots

Soft tan and gray clay

5
Soft tan and gray clay

Soft tan and gray clay

10
Loose tan silt with traces of sand and clay

Boring 110
Boring Depth 10 feet

0
Soft tan and gray clay with traces of grass roots

Soft tan and gray clay

5
Loose tan and gray very clayey silt

Loose tan and gray very clayey silt

10
Loose tan and gray very clayey silt

0

5

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 111
FILE 74-30
DATE 11 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium tan and gray clay with traces of grass roots
Soft tan and gray very silty clay
Loose tan and gray silt with clay traces
5
Loose tan silt with traces of sand and clay
Loose tan silt with traces of sand and clay
Loose tan silt with traces of sand and clay
10

Boring 112
Boring Depth 10 feet

0
Soft tan and gray clay with silt pockets and traces of grass roots
Soft tan and gray clay
5
Soft tan and gray clay with silt traces
Soft tan and gray slightly silty clay with silt traces
Loose gray slightly clayey silt
10
Soft tan and gray slightly silty clay

Boring 113
Boring Depth 10 feet

0
Medium tan and gray clay with traces of silt and grass roots
Loose tan and gray silt
5
Loose tan and gray clayey silt with clay traces
Loose tan and gray clayey silt with clay traces
Loose tan silt with sand traces
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 114
FILE 74-30
DATE 11 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Soft tan and gray clay with silt traces and grass roots

Soft tan and gray clay

5
Soft tan and gray slightly silty clay with silt pockets

Loose tan and gray slightly clayey silt with 1" clay layer

Loose tan and gray silt with clay streaks

10

Boring 115
Boring Depth 10 feet

0
Medium tan and gray clay with traces silt and grass roots

Soft tan and gray slightly silty clay with silt pockets

5
Loose tan silt with 4" top layer silty clay

Loose tan and gray slightly clayey silt

Loose tan silt with clay traces

10

Boring 116
Boring Depth 10 feet

0
Soft tan and gray clay with silt streaks and traces grass roots

Soft tan and gray clay

5
Loose tan silt with clay traces
Soft tan and gray clay with silt pockets
Soft tan and gray silty clay with 3" bottom layer silt

Soft tan and gray clay with silt pockets

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc. Burns and Roe, Inc.

BORING: 117
FILE: 74-30
DATE: 11 April 1977
TECHNICIAN: MJK

DEPTH FEET | SAMPLES

UNDISTURBED SAMPLE | STANDARD PENETRATION TEST | BORING DEPTH: 10 feet

0
Medium tan and gray clay with traces grass roots

Soft tan and gray slightly silty clay

5
Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

Loose tan silt with traces sand
Soft tan and gray very silty clay with silt pockets

10

Boring 118
Boring Depth 10 feet

0
Medium tan and gray clay with traces silt and grass roots

Medium tan and gray clay with silt traces

5
Soft tan and gray clay

Loose tan slightly clayey silt
Soft tan and gray slightly silty clay with silt streaks

Soft tan and gray slightly silty clay with silt stresks

10

Boring 119
Boring Depth 10 feet

0
Soft tan and gray clay with silt streaks and traces grass roots

Soft tan and gray clay

Soft tan and gray clay with silt streaks

5
Soft tan and gray slightly silty clay with silt pockets

Loose tan and gray slightly clayey silt with clay streaks

10

FM5A120

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 120
FILE 74-30
DATE 12 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay with silt pockets

5 Loose tan and gray silt with traces sand and clay

Loose tan and gray silt with traces sand and clay

Loose tan and gray silt with traces sand and clay

10

Boring 121
Boring Depth 10 feet

0 Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay

5 Soft tan and gray clay with silt pockets

Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

10

Boring 122
Boring Depth 10 feet

0 Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay with silt pockets

5 Soft tan and gray slightly silty clay with silt pockets

Soft tan and gray clay with silt pockets

Soft tan and gray clay with silt pockets

Loose tan and gray clayey silt

10

FM1A125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 123
FILE 74-30
DATE 13 April 1977
TECHNICIAN MJK

DEPTH IN FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0
Medium tan and gray clay with traces grass roots

Soft tan and gray clay with silt pockets and traces organic matter

5
Soft tan and gray slightly silty clay

Loose tan and gray clayey silt

Soft tan and gray silty clay with silt streaks

10
Loose tan silt with some sand

Boring 124
Boring Depth 10 feet

0
Soft tan and gray clay with traces grass roots

Soft tan and gray clay with traces organic matter

5
Medium tan and gray clay

Medium tan and gray clay

Soft tan and gray clay with silt pockets

10

Boring 125
Boring Depth 10 feet

0
Stiff tan and gray clay with traces grass roots

Soft tan and gray clay

5
Soft tan and gray clay with silt pockets

Soft tan and gray clay with silt pockets and streaks

Soft tan and gray clay with silt pockets and streaks

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 126
FILE 74-30
DATE 14 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Medium tan and gray clay with traces grass roots

Soft tan and gray clay

5 Soft tan and gray clay with silt pockets and streaks

Soft tan and gray clay with silt pockets and streaks

Medium tan and gray clay with silt streaks and pockets

10

Boring 127
Boring Depth 10 feet

0 Stiff gray clay

Stiff gray clay

5 Stiff gray clay

Stiff gray clay

10 Stiff gray clay

Boring 128
Boring Depth 10 feet

0 Stiff gray clay

Stiff gray clay

5 Soft gray slightly silty clay

Soft gray clay with silt traces

10 Loose gray slightly clayey silt with ½ inch clay layer

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 129
FILE 74-30
DATE 14 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay
Stiff gray clay
5
Soft gray very silty clay with silt traces
Loose gray silt
Soft gray silty clay
10

Boring 130
Boring Depth 10 feet

0
Stiff gray clay
Stiff gray clay with silt traces
5
Soft gray very silty clay
Very loose gray silt with clay traces
Very loose gray silt with clay traces
10

Boring 131
Boring Depth 10 feet

0
Stiff gray clay
Stiff gray clay
5
Stiff gray clay
Soft gray silty clay
Loose gray clayey silt
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 132
FILE 74-30
DATE 16 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

UNDISTURBED SAMPLE | STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0 — Medium gray clay
Medium gray clay
5 — Medium gray clay
Medium gray clay
Medium gray clay
10

Boring 133
Boring Depth 10 feet

0 — Stiff gray clay
Medium gray clay with silt traces
5 — Medium gray clay with silt traces
Medium gray clay with silt traces
Medium gray very silty clay with silt pockets
10

Boring 134
Boring Depth 10 feet

0 — Medium gray clay
Medium gray clay
5 — Medium gray very silty clay
Medium gray slightly silty clay
Medium gray silty clay with silt streaks
10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 135
FILE 74-30
DATE 13 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ⊠ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0
Stiff gray clay
Stiff gray clay
5
Very loose gray clay with 6 inch clay layer
Very loose gray silt
Very loose gray clayey silt with sand traces
10

Boring 136
Boring Depth 10 feet

0
Medium gray clay
Medium gray clay
5
Very loose gray slightly clayey silt with sand traces
Very loose gray slightly clayey sandy silt
10
Very loose gray clayey silt

Boring 137
Boring Depth 10 feet

0
Medium tan and gray clay with silt pockets and traces grass roots and wood
Soft tan and gray slightly silty clay with silt traces
5
Soft tan and gray very silty clay
Loose tan silt with sand traces
Loose tan silt with sand traces
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 138
FILE 74-30
DATE 12 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Medium tan and gray clay with traces silt and grass roots

Loose tan and gray silt with clay pockets

5 Loose tan silt with traces sand and clay

Loose tan silt with traces sand and clay

Loose tan silt with traces sand and clay

10

Boring 139
Boring Depth 10 feet

0 Soft tan and gray clay with traces grass roots and silt streaks

Soft tan and gray clay

Soft tan and gray silty clay

5 Loose tan and gray very clayey silt
Soft tan and gray clay with silt traces
Soft tan and gray slightly silty clay

10

Boring 140
Boring Depth 10 feet

0 Medium tan and gray clay with traces grass roots, silt and organic matter

Soft tan and gray clay

Soft tan and gray slightly silty clay with silt streaks

5 Soft tan and gray slightly silty clay with silt streaks
Soft tan and gray silty clay with silt streaks
Loose tan silt with some clay
Loose tan and gray clayey silt

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc. Burns and Roe, Inc.

BORING 141
FILE 74-30
DATE 13 Apr. 1977
TECHNICIAN MJK

DEPTH (FEET) | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium tan and gray clay with traces grass roots

Medium tan and gray clay with silt pockets

5
Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

Soft tan and gray very silty clay
Loose tan silt with sand traces

10

Boring 142
Boring Depth 10 feet

0
Medium tan and gray clay with traces grass roots

Soft tan and gray clay with silt pockets

5
Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

Loose tan silt with sand and clay traces

10

Boring 143
Boring Depth 10 feet

0
Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay

5
Soft tan and gray silty clay with silt streaks

Soft tan and gray clay

Soft tan and gray silty clay with silt pockets

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc. Burns and Roe, Inc.

BORING 144
FILE 74-30
DATE 11 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Medium brown, tan and light gray clay with traces grass roots and silt pockets

Soft tan and gray clay with silt streaks

5 Soft tan and gray slightly clayey silt with clay streaks

Soft tan and gray very silty clay with 4" clayey silt layer

Soft tan and gray silty clay with silt pockets and streaks

10

Boring 145
Boring Depth 10 feet

0 Soft tan and gray clay with traces grass roots

Soft tan and gray clay

5 Soft tan and gray clay

Soft tan and gray clay with silt pockets and streaks

Soft tan and gray clay with silt pockets and streaks

10

Boring 146
Boring Depth 10 feet

0 Stiff gray clay

Soft gray silty clay

5 Loose gray silt

Loose gray silt

10 Loose gray silt

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 147
FILE 74-30
DATE 14 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff gray clay

Stiff gray clay

5 Soft gray very silty clay

Loose gray slightly clayey silt

10 Loose gray silt with clay layers

Boring 148
Boring Depth 10 feet

0 Stiff gray clay

Stiff gray clay

5 Soft gray clay with silt traces

Soft gray silty clay

10 Soft gray slightly silty clay with silt layers

Boring 149
Boring Depth 10 feet

0 Stiff gray clay with silt lenses

Soft gray silty clay

5 Loose gray silt

Loose gray silt with 2 inch clay layer

10 Loose gray silt with clay traces

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 150
FILE 74-30
DATE 18 May 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff brown and gray clay

Stiff brown and gray clay

5 Medium gray clay

Loose gray slightly clayey silt

Loose gray silt with clay traces

10

Boring 151
Boring Depth 10 feet

0 Medium gray clay

Stiff gray clay

5 Stiff gray clay

Stiff gray clay

Stiff gray clay

10

Boring 152
Boring Depth 10 feet

0 Medium gray clay

Medium gray and tan clay

5 Medium gray clay

Very loose gray slightly clayey silt with 3 inches of clay layers

Very loose gray very silty clay

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 153
FILE 74-30
DATE 16 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Medium gray clay

Medium gray clay

5 Medium gray clay with silt traces

Soft gray very silty clay

10 Soft gray slightly silty clay

Boring 154
Boring Depth 10 feet

0 Stiff gray clay

Medium gray clay

5 Medium gray clay

Medium gray slightly silty clay

Loose gray slightly clayey silt

10

Boring 155
Boring Depth 10 feet

0 Stiff gray clay

Medium gray clay

5 Very loose gray clayey silt

Very loose gray clayey silt with clay traces

Very loose gray silt with clay traces

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 156
FILE 74-30
DATE 11 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

UNDISTURBED SAMPLE | STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0
Medium tan and gray clay with silt pockets and traces grass roots

Soft tan and gray slightly silty clay with silt pockets
Soft tan and gray silty clay
5 Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

Loose tan silt with clay and sand traces
10

Boring 157
Boring Depth 10 feet

0
Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay

5 Soft tan and gray clay with silt pockets

Loose tan and gray slightly clayey silt

Loose tan and gray silt with traces sand and clay
10

Boring 158
Boring Depth 10 feet

0
Soft tan and gray clay with silt and grass root traces
Soft tan and gray silty clay

Loose tan slightly clayey silt with sand traces
5

Loose tan slightly clayey silt with sand traces

Loose tan slightly clayey silt with sand traces
10

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LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 159
FILE 74-30
DATE 11 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium tan and gray clay with silt and grass root traces

Soft tan and gray clay with silt pockets

5
Soft tan and gray clay with silt pockets

Loose tan and gray slightly clayey silt

Soft tan and gray slightly silty clay with silt traces

10

Boring 160
Boring Depth 10 feet

0
Medium tan and gray clay with traces silt and grass roots

Soft tan and gray clay with silt traces

5
Soft tan and gray clay

Soft tan and gray clay with silt pockets and streaks

Soft tan and gray clay with silt pockets and streaks

10

Boring 161
Boring Depth 10 feet

0
Medium tan and gray clay with traces grass roots

Soft tan and gray clay with silt pockets

5
Soft tan and gray silty clay with silt pockets

Loose tan and gray very clayey silt

Loose tan and gray clayey silt

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 162
FILE 74-30
DATE 13 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay
Loose tan and gray silt
5 Soft tan and gray silty clay with silt pockets
Loose tan and gray clayey silt

Loose tan and gray clayey silt
10 Soft tan and gray clay with silt streaks

Boring 163
Boring Depth 10 feet

0 Stiff tan and gray clay with silt streaks and traces grass roots

Firm tan silt with clay and sand traces
5 Firm tan silt with clay and sand traces
Firm tan silt with clay and sand traces

Firm tan silt with clay and sand traces
10

Boring 164
Boring Depth 10 feet

0 Medium tan and gray clay with silt and grass root traces

Soft tan and gray clay

Soft tan and gray slightly silty clay with silt pockets and streaks
5
Soft tan and gray clay

Soft tan and gray clay
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 165
FILE 74-30
DATE 14 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Soft tan and gray clay with traces silt and grass roots

Soft tan and gray clay

5 Soft tan and gray slightly silty clay with silt pockets and streaks

Loose tan and gray clayey silt

Soft tan and gray clay with silt pockets and streaks

10

Boring 166
Boring Depth 10 feet

0 Stiff dark gray clay

Stiff gray clay

5 Stiff gray clay

Medium gray clay with silt traces

Medium gray clay with silt traces

10

Boring 167
Boring Depth 10 feet

0 Stiff gray clay

Stiff gray clay

5 Medium gray clay with silt pockets

Medium gray clay with silt lenses and silt pockets

Medium gray clay

10

FP1B12C

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 168
FILE 74-30
DATE 19 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0 Stiff gray clay
Stiff gray clay
5 Stiff gray clay with silt traces
Stiff gray clay
Medium gray clay with silt lenses
10

Boring 169
Boring Depth 10 feet

0 Soft tan and gray clay with traces grass roots and other organic matter
Soft tan and gray clay with traces organic matter
5 Soft tan and gray clay with silt pockets
Soft tan and gray clay with silt pockets
Loose tan and gray silt with clay pockets and traces sand
10

Boring 170
Boring Depth 10 feet

0 Stiff gray clay
Medium gray clay with silt streaks and lenses
5 Soft gray slightly silty clay
Loose gray silt
Soft gray silty clay
10

FM-15125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 171
FILE 74-30
DATE 19 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0 — Stiff gray clay
Stiff gray clay
5 — Soft gray slightly silty clay
Soft gray clay with silt traces
10 — Soft gray slightly silty clay

Boring 172
Boring Depth 10 feet

0 — Stiff gray clay
Stiff gray clay
5 — Stiff gray slightly silty clay with silt traces
Soft gray clay with silt traces
10 — Soft gray clay with silt traces

Boring 173
Boring Depth 10 feet

0 — Stiff gray clay
Medium gray silty clay
5 — Medium gray clay with silt traces and 1 inch clayey silt layers
Very loose gray silt with clay traces
10 — Very loose gray clayey silt

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 174
FILE 74-30
DATE 14 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

UNDISTURBED SAMPLE | STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0
Medium gray clay
Medium gray clay
5
Medium gray clay
Medium gray clay
10
Medium gray clay with silt traces

Boring 175
Boring Depth 10 feet

0
Medium gray clay
Medium gray clay
5
Loose gray slightly clayey sand with clay traces
Very loose gray clayey silt with clay traces
10
Very loose gray clayey silt

Boring 176
Boring Depth 10 feet

0
Very stiff tan and gray clay with roots and organic traces
Stiff tan and gray slightly silty clay with organic traces
5
Loose tan and gray slightly clayey silt with organic traces
Loose tan and gray silt with clay traces
Loose tan silt with sand traces
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 177
FILE 74-30
DATE 16 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with silt lenses and roots
Loose tan and gray silt with roots
5
Loose tan and gray silt
Medium tan and gray slightly silty clay with organic traces
Soft tan and gray silty clay with organic traces
10

Boring 178
Boring Depth 10 feet

0
Stiff tan and gray clay with traces silt and roots
Soft tan and gray clay with traces silt
5
Soft tan and gray slightly silty clay
Loose tan and gray slightly clayey silt
Loose tan silt with some sand and traces clay
10

Boring 179
Boring Depth 10 feet

0
Soft gray clay with traces of grass roots
Soft tan and gray clay with silt pockets
5
Loose tan and gray silt with clay and sand traces
Loose tan and gray silt with clay and sand traces
Loose tan and gray silt with clay and sand traces
10

FP-8125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 180
FILE 74-30
DATE 12 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Medium tan and gray clay with traces grass roots, silt and organic matter

Soft tan and gray clay with silt pockets

5 Soft tan and gray very silty clay with silt pockets

Loose tan and gray very clayey silt

Loose tan and gray silt with sand and clay traces

10

Boring 181
Boring Depths 10 feet

0 Soft tan and gray clay with traces grass roots

Soft tan and gray clay

5 Soft tan and gray clay with silt pockets and clayey silt streaks

Soft tan and gray clay with silt pockets

Loose tan silt with 4" top clay layer

10

Boring 182
Boring Depth 10 feet

0 Medium tan and gray clay with traces silt and grass roots

Soft tan and gray clay

5 Soft tan and gray slightly silty clay with silt streaks

Soft tan and gray clay with silt pockets and streaks

Loose tan silt with clay pockets and traces of sand

10

FP18125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 183
FILE 74-30
DATE 13 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Soft tan and gray clay with traces grass roots
Soft tan and gray clay with traces silt
5
Soft tan and gray slightly silty clay with silt pockets and streaks
Soft tan and gray clay
Loose tan and gray very clayey silt
10

Boring 184
Boring Depth 10 feet

0
Medium tan and gray clay with traces grass roots
Soft tan and gray clay
5
Loose tan and gray silt
Loose tan and gray silt
Soft tan and gray silty clay with silt pockets
Loose tan silt with traces clay and sand
10

Boring 185
Boring Depth 10 feet

0
Loose tan and gray clayey silt with roots
Loose tan and gray very clayey silt
5
Loose tan and gray very clayey silt
Loose tan and gray very clayey silt
Soft tan and gray clay with silt pockets
Soft tan and gray clay with silt pockets
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc. Burns and Roe, Inc.

BORING 186
FILE 74-30
DATE 14 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium tan and gray clay with traces grass roots

Soft tan and gray clay

5
Soft tan and gray clay

Loose tan silt with traces sand and 3" silty clay layer

Loose tan silt with traces sand and clay

10

Boring 187
Boring Depth 10 feet

0
Medium tan and gray clay with traces grass roots and silt pockets

Soft tan and gray clay with silt pockets

5
Soft tan and gray clay with silt streaks

Loose tan silt with traces clay and sand

Loose tan silt with traces clay and sand

10

Boring 188
Boring Depth 10 feet

0
Medium tan and gray slightly silty clay with silt streaks

Soft tan and gray clay with silt pockets and peat pocket

5
Soft gray clay with wood

Loose tan and gray slightly clayey silt with sand traces

Loose tan and gray slightly clayey silt with sand traces

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc.,Burns and Roe, Inc.

BORING 189
FILE 74-30
DATE 14 April 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Soft gray clay with silt pockets and traces grass roots

Soft tan and gray clay with traces organic matter

5
Soft tan and gray clay with silt pockets and 1½" clayey silt layer

Soft tan and gray clay with silt pockets

Soft tan and gray very silty clay

10

Boring 190
Boring Depth 10 feet

0
Medium tan and gray clay with traces grass roots

Soft tan and gray clay

5
Soft tan and gray slightly silty clay with silt pockets

Soft tan and gray clay with silt pockets and streaks

Very soft tan and gray clay with silt pockets and streaks

10

Boring 191
Boring Depth 10 feet

0
Medium gray clay

Medium gray clay

5
Medium gray clay with silt traces

Loose gray clayey silt

10
Loose gray silt with clay traces

FM-18125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative. Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 195
FILE 74-30
DATE 13 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium gray clay
Medium gray clay
5
Medium gray very silty clay
Very loose gray clayey silt
Very loose gray silt with clay layers
10

Boring 196
Boring Depth 10 feet

0
Stiff gray clay with roots
Stiff tan and gray clay with organic traces
5
Soft tan and gray silty clay with ferrous traces
Very loose tan and gray slightly clayey silt with organic and ferrous traces
Very loose tan and gray slightly clayey silt with ferrous traces
10

Boring 197
Boring Depth 10 feet

0
Stiff tan and gray slightly silty clay with roots
Loose tan and gray clayey silt with roots
5
Very loose tan and gray clayey silt with organic traces
Very loose tan silt
Very loose tan and gray silt with organic traces
10

FP19125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
Cajun Electric Power Cooperative, Inc.
FOR: Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 198
FILE 74-30
DATE 16 June 1977
TECHNICIAN CCN

DEPTH IN FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with organic traces and roots
Very loose tan and gray silt
5
Very loose tan and gray clayey silt with organic traces
Very loose tan and gray silt
Very loose tan and gray silt with clay and sand traces
10

Boring 199
Boring Depth 10 feet

0
Stiff tan and gray clay with roots
Medium tan and gray clay with silt lenses and organic traces
Firm tan and gray slightly clayey silt with organic traces and roots
5
Very loose tan and gray silt
Very loose tan and gray silt with clay and sand traces and roots
10

Boring 200
Boring Depth 10 feet

0
Medium gray clay with roots
Stiff tan and gray clay with silt and organic traces
5
Stiff tan and gray clay with silt and organic traces
Medium tan and gray clay with silt pockets and organic and ferrous traces
Soft tan and gray slightly silty clay
10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 201
FILE 74-30
DATE 9 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with ferrous traces

Medium gray clay with 1 inch tan silt layer on bottom
Loose gray clayey silt
5
Stiff gray clay

Loose gray very clayey silt with 2 inch silty clay layer on top

Loose gray clayey silt with 2 inch clay layer in middle

10

Boring 202
Boring Depth 10 feet

0
Stiff gray clay with silt streaks

Loose gray clayey silt

5
Stiff gray clay with silt lenses

Soft gray clay with 4 inch loose sand layer

Loose gray clayey silt

10

Boring 203
Boring Depth 10 feet

0
Medium gray clay

Medium gray clay

5
Medium gray clay

Medium gray clay with silt traces

Soft tan and gray slightly silty clay - Loose tan and gray slightly silty sand

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 204
FILE: 74-30
DATE: 20 May 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Medium gray clay with silt streaks
Loose gray silt
5
Soft gray slightly silty clay
Soft gray silty clay
Soft gray clay with silt traces
10

Boring 205
Boring Depth 10 feet

0
Medium gray clay
Medium gray clay
5
Medium gray clay
Medium gray clay
Soft gray clay with silt traces
10

Boring 206
Boring Depth 10 feet

0
Stiff gray clay
Stiff gray clay with silt traces
5
Medium gray silty clay
Soft gray slightly silty clay
Loose gray silt with sand traces
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 207
FILE 74-30
DATE 20 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay
Medium gray clay
5
Medium gray clay with silt traces
Soft gray clay with silt traces
Medium gray clay with silt traces
10

Boring 208
Boring Depth 10 feet

0
Stiff gray clay
Stiff gray clay with silt traces
5
Soft gray slightly silty clay with 7 inch clay layer with silt pockets
Soft gray clay
Soft gray slightly silty clay
10

Boring 209
Boring Depth 10 feet

0
Stiff gray clay
Stiff gray clay
5
Stiff gray clay with silt lenses
Medium gray clay with silt traces
Soft gray slightly silty clay
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc. , Burns and Roe, Inc.

BORING 210
FILE 74-30
DATE 31 May 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff brown gray clay
Stiff gray clay
5
Stiff gray clay with silt lenses and pockets
Soft gray silty clay
Soft gray slightly silty clay
10

Boring 211
Boring Depth 10 feet

0
Soft gray clay with organic traces and wood traces
Soft gray clay with organic traces and wood traces
5
Soft gray clay with organic and wood traces
Soft gray clay with organic traces
Soft gray clay with organic traces
10

Boring 212
Boring Depth 10 feet

0
Medium gray clay with root traces
Medium gray slightly silty clay with silt traces
5
Loose gray slightly clayey silt with root traces
Loose light gray silty sand
Loose light gray very clayey silt
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 213
FILE 74-30
DATE 31 May 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0
Soft gray clay with roots
Soft gray clay with organic and wood traces and roots
5
Soft gray clay with silt traces
Loose gray slightly clayey silty sand with organic traces
10
Loose gray clayey silt

Boring 214
Boring Depth 10 feet

0
Medium gray clay with organic traces and roots
Medium tan and gray clay with organic traces
5
Loose light gray clayey silt with organic traces
Loose light gray clayey silt
10
Loose light gray clayey silt

Boring 215
Boring Depth 10 feet

0
Medium gray clay with organic traces and wood traces
Medium gray clay with ferrous traces
5
Medium gray clay with ferrous traces
Soft gray clay with ferrous traces
10
Firm gray clayey silt with 3 inch layer of gray clay at 10 feet

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 216
FILE 74-30
DATE 1 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Medium gray clay with silt traces and roots

Medium gray clay with silt traces

5 Medium gray clay with silt traces

Soft gray silty clay

Firm gray silt with 2 inch silty clay layer

10

Boring 217
Boring Depth 10 feet

0 Stiff gray clay with silt traces and roots

Medium gray clay with silt traces and pockets

5 Loose gray clayey silt with clay pockets

Soft gray slightly silty clay

Firm gray slightly clayey silt

10

Boring 218
Boring Depth 10 feet

0 Stiff gray clay with silt traces and roots

Medium gray slightly silty clay with silt traces

5 Medium gray clay with ¼ inch silty clay layer

Soft gray slightly silty clay

10 Medium gray clay

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 219
FILE 74-30
DATE 1 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces
Medium gray silty clay with silt pockets and wood traces
5
Loose light gray clayey silt
Loose light gray clayey silt
Loose light gray silty sand
10

Boring 220
Boring Depth 10 feet

0
Stiff gray clay with silt traces
Stiff gray clay with silt traces
5
Medium gray clay with silt traces
Soft gray very silty clay
Loose gray silt with clay traces
10

Boring 221
Boring Depth 10 feet

0
Stiff gray clay with silt traces and roots
Stiff gray clay with silt traces
5
Soft gray slightly silty clay
Loose gray sandy silt
Loose gray sandy silt
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 222
FILE: 74-30
DATE: 1 June 1977
TECHNICIAN: NLT

DEPTH IN FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0 Stiff gray clay

Medium gray very silty clay

5 Medium gray clay

Loose gray silty sand

10 Loose gray clayey silt with 1½ inch very silty clay layer

Boring 223
Boring Depth 10 feet

0 Stiff gray clay with silt traces

Stiff gray clay with silt traces

5 Medium gray clay with silt traces

Medium gray very silty clay

10 Loose gray silt

Boring 224
Boring Depth 10 feet

0 Stiff gray clay with silt traces

Stiff gray clay with silt traces

5 Firm gray clayey silt

Firm gray slightly clayey silt

10 Firm gray silt

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 225
FILE 74-30
DATE 2 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces and roots
Stiff gray clay with silt traces and roots
5
Stiff gray clay with silt traces and roots
Medium gray clay with silt traces
Medium gray slightly silty clay
10

Boring 226
Boring Depth 10 feet

0
Stiff gray clay with silt traces
Medium gray clay with silt pockets
5
Firm gray silt with clay layers
Loose gray clayey silt
Firm gray sandy silt
10

Boring 227
Boring Depth 10 feet

0
Stiff gray clay with silt traces and roots
Stiff gray clay with silt traces and roots
5
Soft gray silty clay
Loose brown sandy silt
Loose brown sandy silt
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 228
FILE 74-30
DATE 2 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces

Medium gray clay with silt traces

5
Soft gray silty clay

Firm gray silty sand

Firm gray silty sand

10

Boring 229
Boring Depth 10 feet

0
Very stiff tan and gray clay with roots

Very stiff tan and gray clay with root traces

5
Medium gray silty clay with silt pockets

Loose tan and gray silt with clay pockets

10
Very loose tan silt

Boring 230
Boring Depth 10 feet

0
Stiff gray clay

Stiff tan and gray clay with wood and root traces

5
Stiff tan and gray clay with large amounts of wood

Medium tan and gray clay with wood traces

Loose gray and light gray clay silt with 2 inch clay layer in middle

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 231
FILE 74-30
DATE 16 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 10 feet

0
Stiff gray clay with roots

Very stiff tan and gray clay

5
Medium tan and gray slightly silty clay with silt lenses and silt pockets and 1 inch silt layer in middle

Medium tan and gray silty clay with silt lenses and pockets

Medium tan and gray silty clay with silt pockets

10

Boring 232
Boring Depth 10 feet

0
Stiff gray clay with roots and ferrous traces and organic traces

Stiff gray and tan clay with organic and ferrous traces and silt pockets

5
Stiff tan and gray clay with organic and ferrous traces and silt traces

Loose tan and gray slightly clayey silt

Soft tan and gray slightly silty clay with organic traces

10

Boring 233
Boring Depth 10 feet

0
Stiff tan and gray clay with organic traces and roots

Stiff tan and gray clay with silt lenses and organic traces

5
Medium tan and gray slightly silty clay

Soft tan and gray slightly clayey silt with organic traces

Soft tan and gray silty clay

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 234
FILE 74-30
DATE 16 June 1977
TECHNICIAN CCN

DEPTH (FT) | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff tan and gray clay with roots

Stiff gray clay with silt lenses and roots

5 Loose tan and gray clayey silt with organic traces

Very loose brown and gray slightly clayey silt

Very loose brown silt with clay traces

10

Boring 235
Boring Depth 10 feet

0 Stiff gray clay with root traces

Stiff tan and gray clay

5 Stiff tan and gray clay with silt traces

Medium tan and gray clay

Medium tan and gray slightly silty clay with silt lenses and silt pockets

10

Boring 236
Boring Depth 10 feet

0 Very stiff gray clay with roots

Very stiff tan and gray clay

Loose tan and gray slightly clayey silt with 3 inch silt layer on bottom

5 Medium tan and gray silty clay with silt pockets and lenses

Loose tan and gray slightly clayey silt with clay pockets and lenses and 2½ inch clay layer on bottom

10

FP18125

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 237
FILE 74-30
DATE 22 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with root traces

Stiff tan and gray clay

5
Medium tan and gray silty clay with silt lenses and pockets

Soft tan and gray silty clay with silt lenses and pockets

Medium tan and gray silty clay with silt pockets

10

Boring 238
Boring Depth 10 feet

0
Stiff tan and gray clay with root traces

Medium tan and gray slightly silty clay with silt traces

5
Medium tan and gray slightly silty clay with silt pockets

Soft tan and gray slightly silty clay with silt pockets

Loose tan and gray clayey silt with clay pockets

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 239
FILE 74-30
DATE June 14
TECHNICIAN ccn

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay

Medium tan and gray silty clay with silt pockets

5
Medium tan and gray clay with silt pockets

Loose tan and gray slightly clayey silt with sand traces
Loose tan clayey silt
Medium tan and gray slightly silty clay

10

Boring 240
Boring Depth 10 feet

0
Stiff tan and gray clay

Medium tan and gray clay with silt lenses and 2 inch silt layer

5
Loose tan and gray silt

Loose tan and gray silt with clay traces

Loost tan and gray sandy silt

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 241
FILE: 74-30
DATE: 29 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH: 10 feet

0
Stiff tan and gray clay

Medium tan and gray clay with silt traces

5
Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt with sand traces
Very loose tan silt
Soft tan and gray very silty clay with silt pockets

10

Boring 242
Boring Depth 10 feet

0
Stiff tan and dark gray slightly silty clay with roots and organic matter

Loose tan and gray silt with organic matter and 3 inch dry crusty organic clay on top

5
Medium tan and gray clay with silt pockets

Soft gray slightly silty clay with silt pockets and 2 inch layers in middle
Very loose tan and gray silt
Loose gray clayey silt with clay pockets

10

Boring 243
Boring Depth 10 feet

0
Soft gray clay with organic traces

Medium gray clay with organic traces

5
Medium gray clay with organic traces

Medium gray clay

Medium gray clay

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 244
FILE 74-30
DATE 29 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff tan and gray clay with roots

Stiff gray clay with silt pockets

5 Loose tan and gray slightly clayey silt with clay pockets

Loose tan and gray silt with sand traces

Loose tan and gray silt with sand traces

10

Boring 245
Boring Depth 10 feet

0 Stiff tan and gray clay with roots

Stiff tan and gray slightly silty clay with silt pockets

5 Medium tan and gray very silty clay with silt pockets

Loose tan and gray slightly clayey silt with clay pockets

Very loose tan and gray dry silt

10

Boring 246
Boring Depth 10 feet

0 Stiff gray clay with large roots

Medium tan and gray silty clay with silt pockets

5 Medium tan and gray clay

Medium tan and gray slightly silty clay

Medium tan and gray clay

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 247
FILE: 74-30
DATE: 26 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH: 70 feet

0
Stiff tan and gray clay with roots

Loose tan and gray dry clayey silt

5
Medium tan and gray silty clay with clay pockets

Loose tan and gray clayey silt with clay traces

10
Loose tan and gray clayey silt with clay pockets

Boring 248
Boring Depth 10 feet

0
Stiff gray silty clay with silt and sand layers and streaks

Stiff gray clay with silt pockets

5
Loose gray silt with clay pockets

Loose gray silt with clay traces

Loose gray clayey silt with clay and sand traces

10

Boring 249
Boring Depth 10 feet

0
Stiff tan and gray clay with roots

Stiff tan and gray clay with silt traces and 1 inch silt layer on bottom

5
Medium tan and gray clay with silt pockets

Soft silty clay with silt pockets

Soft very silty clay with silt pockets

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

JOB NO. 250
FILE 74-30
DATE 16 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE [X] STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff tan and gray clay with organic traces and roots

Stiff tan and gray clay with organic traces

5 Stiff tan and gray silty clay with organic traces

Loose tan and gray silt

10 Loose tan and gray silt with clay and organic traces

Boring 251
Boring Depth 10 feet

0 Stiff tan and gray clay with roots

Stiff tan and gray clay with organic and silt traces

5 Loose tan and gray silt with organic traces

Soft tan and gray slightly silty clay with ferrous traces

10 Loose tan and gray silt

Boring 252
Boring Depth 10 feet

0 Stiff brown and gray clay with roots

Stiff tan and gray clay with silt pockets

5 Stiff tan and gray clay with silt and organic traces

Medium tan and gray clay with silt, ferrous, and organic traces

Soft tan and gray slightly silty clay with ferrous traces

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 253
FILE 74-30
DATE 15 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff tan and gray clay with roots

Stiff tan and gray clay with silt and sand traces and silt lenses and organic traces

5 Loose tan and gray slightly clayey silt

Soft tan and gray silty clay

10 Soft tan and gray silty clay with organic traces

Boring 254
Boring Depth 10 feet

0 Stiff tan and gray clay with roots

Stiff tan and gray clay with organic traces and silt lenses

5 Medium tan and gray clay with silt pockets and organic traces

Loose tan and gray silt with organic traces

10 Loose tan and gray silt

Boring 255
Borind Depth 10 feet

0 Stiff tan and gray clay with roots

Stiff tan and gray clay with organic traces

5 Stiff tan and gray clay with silt and organic traces

Stiff tan and gray clay with silt traces and organic traces

Soft slightly silty clay with organic and ferrous traces

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 256
FILE: 74-30
DATE: 15 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES | ■ MOISTURE RIBBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH: 10 feet

0
Stiff tan and gray clay with roots

Stiff tan and gray clay with organic traces

5
Stiff tan and gray clay with silt pockets and organic traces

Stiff tan and gray clay with organic traces

10
Stiff tan and gray clay with silt lenses and ferrous and organic traces

Boring 257
Boring Depth 10 feet

0
Stiff tan and gray clay with organic traces and roots

Stiff tan and gray clay with organic traces

5
Stiff tan and gray clay with silt lenses and organic traces

Loose tan and gray clayey silt with organic traces

10
Soft tan and gray slightly silty clay with organic traces

Boring 258
Boring Depth 10 feet

0
Stiff tan and gray clay with organic and root traces

Stiff tan and gray clay with organic traces

5
Stiff tan and gray clay with silt lenses and organic traces

Soft tan and gray slightly silty clay with organic traces

10
Very loose tan and gray silt with organic and clay traces

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 259
FILE 74-30
DATE 14 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with root traces

Stiff tan and gray clay with root and organic traces and ferrous traces

5
Stiff tan and gray clay with silt lenses and ferrous traces

Medium tan and gray clay with silt and ferrous traces

Soft tan and gray slightly clayey silt with ferrous traces

10
Stiff tan and gray clay with organic traces

Boring 260
Boring Depth 10 feet

0
Stiff tan and gray clay with wood and root traces

Stiff gray clay with silt pockets and traces and organic and ferrous traces

5
Stiff gray slightly silty clay with organic traces

Soft tan and gray clay with silt and organic traces

Loose tan and gray silt with organic traces

10

Boring 261
Boring Depth 10 feet

0
Stiff tan and gray clay with roots and organic traces

Stiff tan and gray clay with ferrous traces

5
Medium tan and gray clay with silt and sand traces

Soft tan and gray slightly silty clay with sand traces and organic traces

Very loose tan silt

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 262
FILE 74-30
DATE 14 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with silt pockets and roots

Stiff tan and gray clay with ferrous traces and silt pockets and lenses

5
Medium tan and gray clay with silt traces and ferrous traces and organic traces

Firm tan and gray silt

Soft tan and gray silty clay with 4 inch clay layer and ferrous streaks and organic traces

10

Boring 263
Boring Depth 10 feet

0
Dense tan and gray clayey silt

Stiff tan and gray clay with silt traces

5
Medium tan and gray clay with silt traces

Soft tan and gray clay with silt traces

Medium tan and gray clay with silt traces

10

Boring 264
Boring Depth 10 feet

0
Stiff tan and gray clay

Stiff tan and gray clay

5
Medium tan and gray silty clay with roots

Medium tan and gray slightly silty clay

Medium tan and gray slightly silty clay

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 265
FILE 74-30
DATE 5 July 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Very stiff tan and gray clay

Stiff tan and gray clay

5
Firm tan and gray slightly clayey silt

Soft tan and gray clay with silt traces

10
Medium tan and gray clay

Boring 266
Boring Depth 10 feet

0
Very stiff tan and gray clay

Medium tan and gray silty clay

5
Loose tan and gray silt

Loose tan and gray silt with clay traces

10
Loose tan silt

Boring 267
Boring Depth 10 feet

0
Stiff tan and gray clay with roots

Stiff tan and gray clay with silt traces

5
Medium tan and gray clay with silt pockets and lenses

Firm tan and gray silt

Loose tan and gray silt with clay traces

10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 268
FILE: 74-30
DATE: 5 July 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Very stiff tan and gray clay

Stiff tan and gray slightly silty clay

5
Loose tan and gray slightly clayey silt

Soft tan and gray clay with silt traces

10
Medium tan and gray clay

Boring 269
Boring Depth 10 feet

0
Very stiff tan and gray clay

Firm tan slightly clayey silt

5
Firm tan and gray slightly clayey silt

Stiff tan and gray clay

10
Loose tan and gray slightly clayey silt

Boring 270
Boring Depth 10 feet

0
Stiff tan and gray clay with root traces

Stiff tan and gray silty clay

5
Medium tan and gray slightly silty clay

Firm tan and gray clayey silt

10
Loose tan and gray silt

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 271
FILE 74-30
DATE 30 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Very stiff tan and gray clay with organic traces
Stiff tan and gray clay
5
Medium tan and gray slightly silty clay
Loose brown and gray silt
Soft brown and gray silty clay
10

Boring 272
Boring Depth 10 feet

0
Stiff tan and gray clay
Stiff tan and gray clay with organic traces
5
Medium tan and gray clay with organic traces
Medium gray clay
Soft gray clay with silt
10

Boring 273
Boring Depth 10 feet

0
Very stiff tan and gray clay with silt lenses
Soft tan and gray very silty clay
5
Firm tan and gray silt
Loose tan and gray silt with clay traces
Loose tan and gray silt with clay traces
10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 274
FILE: 74-30
DATE: 30 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff dark gray clay with roots
Very stiff tan and gray clay
5
Stiff tan and gray clay
Stiff tan and gray clay
10
Medium gray clay with silt traces

Boring 275
Boring Depth 10 feet

0
Medium gray clay
Stiff gray clay with organic traces
Stiff gray clay
5
Medium gray clay
Stiff gray clay
10

Boring 276
Boring Depth 10 feet

0
Stiff tan and gray clay
Stiff gray clay
5
Soft gray clay with organic and silt traces
Loose gray silt
Soft gray silty clay
10

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 277
FILE 74-30
DATE 30 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay
Stiff tan and gray clay with silt traces
5
Soft tan and gray very silty clay
Loose tan and gray slightly clayey silt
10
Soft tan and gray silty clay

Boring 278
Boring Depth 10 feet

0
Very stiff tan and gray clay
Stiff tan and gray clay with silt traces
5
Stiff gray clay
Loose gray silt
Soft gray clay with silt traces
10

Boring 279
Boring Depth 10 feet

0
Stiff tan and gray clay
Medium tan and gray clay with silt and wood traces
5
Firm tan and gray silt
Soft tan and gray slightly silty clay
Loose tan and gray silt
10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 280
FILE: 74-30
DATE: 5 July 1977
TECHNICIAN: CCN

DEPTH IN FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH: 10 feet

0
Very stiff tan and gray clay

Stiff tan and gray clay

5
Soft tan and gray clay with silt traces

Loose tan and gray silt

Soft tan and gray slightly silty clay

10

Boring 281
Boring Depth 10 feet

0
Medium brown and gray clay with root traces
Medium tan and gray clay
Medium gray clay
Medium tan and gray clay
5
Stiff tan and gray clay
Stiff tan and gray clay

Soft gray clay
Soft gray clay with silt traces
Loose gray clayey silt
10
Loose gray silt with clay traces

Boring 282
Boring Depth 10 feet

0
Stiff tan and gray clay with organic and root traces

Stiff tan and gray clay

5
Loose tan and gray silt

Loose tan and gray clayey silt

Soft tan and gray silty clay

10

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 283
FILE 74-30
DATE 30 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay

Stiff tan and gray clay

5
Medium tan and gray clay with silt pockets

Stiff tan and gray clay

10
Stiff tan and gray clay with silt layers

Boring 284
Boring Depth 10 feet

0
Very stiff tan and gray clay with roots

Very stiff tan and gray clay with silt traces

5
Firm tan and gray clayey silt

Medium tan and gray silty clay

10
Medium tan and gray silty clay

Boring 285
Boring Depth 10 feet

0
Very stiff tan and gray clay

Stiff tan and gray clay

5
Stiff tan and gray clay

Medium tan and gray clay with silt traces

Stiff tan and gray clay with silt traces

10

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 286
FILE 74-30
DATE 29 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with silt traces

Soft tan and gray slightly silty clay

5
Loose tan and gray silt

Loose tan and gray silt with clay traces

10
Soft tan and gray silty clay

Boring 287
Boring Depth 10 feet

0
Stiff tan and gray clay with silt pockets and roots

Stiff tan and gray slightly silty clay

5
Loose tan and gray clayey silt

Loose tan and gray clayey silt

10
Medium tan and gray clay with silt traces

Boring 288
Boring Depth 10 feet

0
Stiff tan and gray clay with silt pockets

Stiff tan and gray very silty clay

5
Medium tan and gray silty clay

Loose tan and gray clayey silt

10
Loose tan and gray slightly clayey silt

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BOR.NO. 289
F.L.P. 74-30
DATE 30 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff tan and gray clay

Stiff tan and gray clay with silt lenses

5 Stiff tan and gray clay with silt lenses

Stiff tan and gray clay

10 Medium tan and gray slightly silty clay

Boring 290
Boring Depth 10 feet

0 Stiff tan and gray clay

Medium tan and gray very silty clay

5 Medium tan and gray clay with silt pockets

Loose tan and gray silt with sand traces

Loose tan silt with sand traces

10

Boring 291
Boring Depth 10 feet

0 Stiff tan and gray clay with silt traces and roots

Stiff tan and gray silty clay

5 Loose tan and gray slightly clayey silt

Loose tan and gray silt

Loose tan and gray clayey silt

10

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 292
FILE 74-30
DATE 29 June 1977
TECHN. AN. CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with roots
Stiff tan and gray clay
5
Loose tan and gray silt with clay traces
Loose tan and gray silt
Soft tan and gray slightly silty clay
10

Boring 293
Boring Depth 10 feet

0
Stiff dark gray clay with roots
Stiff gray clay
5
Medium tan and gray clay with silt traces
Loose tan and gray silt
Loose tan and gray slightly clayey silt
10

Boring 294
Boring Depth 10 feet

0
Very stiff tan and gray clay with roots
Stiff tan and gray clay with roots
5
Soft tan and gray clay with silt traces
Loose tan and gray silt with clay traces
Loose tan and gray silt
10

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 295
FILE 74-30
DATE 29 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with silt traces
Firm tan and gray clayey silt
5
Loose tan and gray silt
Soft tan and gray clay with silt traces
10
Soft tan and gray slightly silty clay

Boring 296
Boring Depth 10 feet

0
Very stiff tan and gray clay with roots
Stiff tan and gray clay with silt traces
5
Firm tan and gray clayey silt
Loose tan and gray silt with clay traces
Loose tan and gray silt with clay traces
10

Boring 297
Boring Depth 10 feet

0
Very stiff gray clay with root traces
Very stiff tan and gray clay with silt traces
5
Firm tan and gray silt
Loose tan and gray silt with clay traces
Loose tan and gray silt
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 298
FILE 74-30
DATE 28 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with roots

Stiff tan and gray clay with silt pockets

5
Medium tan and gray clay with silt traces

Medium tan and gray clay with silt traces

10
Very loose tan and gray silt

Boring 299
Boring Depth 10 feet

0
Loose tan and gray clayey silt

Loose tan and gray silt

5
Loose tan and gray silt

Loose tan and gray silt

Loose tan and gray silt

10

Boring 300
Boring Depth 10 feet

0
Stiff tan and gray clay

Soft tan and gray very silty clay

5
Loose tan and gray silt with clay traces

Loose tan and gray clayey silt

10
Loose tan and gray silt with clay traces

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 301
FILE 74-30
DATE 28 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Stiff tan and gray clay with silt and root traces

Loose tan and gray silt with clay traces

5 Loose tan and gray silt with clay traces

Loose tan and gray silt

10 Loose tan and gray silt

Boring 302
Boring Depth 10 feet

0 Loose tan and gray slightly clayey silt with roots

Loose tan and gray silt with clay traces

5 Loose tan and gray silt

Loose tan and gray silt with clay traces

10 Loose tan and gray silt

Boring 303
Boring Depth 10 feet

0 Stiff tan and gray clay

Firm tan and gray clayey silt with root traces

5 Loose tan and gray silt

Loose tan and gray silt

10 Loose tan and gray silt

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 304
FILE 74-30
DATE 29 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Very stiff tan and gray clay
Firm tan and gray slightly clayey silt
5
Medium tan and gray silty clay
Medium tan and gray clay with silt traces
10
Soft tan and gray very silty clay

Boring 305
Boring Depth 10 feet

0
Stiff tan and gray slightly silty clay with roots
Loose tan and gray silt
5
Loose tan and gray silt
Loose tan and gray silt with clay traces
10
Loose tan and gray silt

Boring 306
Boring Depth 10 feet

0
Stiff tan and gray silty clay with wood traces
Medium tan and gray slightly silty clay
5
Firm tan and gray clayey silt
Loose tan and gray silt with clay traces
10
Loose tan and gray silt

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 307
FILE 74-30
DATE 29 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ DISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0 Very stiff tan and gray clay with silt lenses

Stiff tan and gray slightly silty clay

5 Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

10 Loose tan and gray silt

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 805
FILE 74-30
DATE 1 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff dark gray clay with silt traces and roots
Medium gray clay with silt traces
5
Medium gray slightly silty clay
Medium gray clay with silt traces
Loose gray clayey silt
10

Boring 806
Boring Depth 10 feet

0
Stiff gray clay with silt traces
Stiff gray clay with silt traces
5
Soft gray very silty clay
Soft gray very silty clay
Loose gray silt with 2 inch silty clay layer
10

Boring 807
Boring Depth 10 feet

0
Stiff gray clay with silt traces and pockets
Stiff gray very silty clay
5
Firm gray silty sand
Loose gray clayey silt
Loose gray sandy silt with clay traces
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

FP18135

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 808
FILE 74-30
DATE 1 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces
Medium gray silty clay with silt pockets
5
Firm gray sandy silt
Firm gray sandy silt
10
Firm gray clayey silt

Boring 809
Boring Depth 10 feet

0
Stiff gray clay with root traces
Stiff tan and gray slightly silty clay
5
Loose gray silt
Loose tan and gray slightly clayey silt
10
Loose tan and gray slightly clayey silt

Boring 810
Boring Depth 10 feet

0
Stiff gray clay with ferrous and organic traces and roots
Stiff tan and gray clay with ferrous and organic traces and roots
5
Stiff tan and gray clay with organic traces and roots
Soft gray very silty clay with roots and ferrous traces
10
Soft gray silty clay with ferrous and organic traces

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 811
FILE: 74-30
DATE: 26 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH

0
Medium gray clay with roots

Medium tan and gray clay

5
Medium tan and gray clay with silt traces

Medium tan and gray clay with silt pockets

10
Very loose gray clayey silt with clay traces

Boring 812
Boring Depth 10 ~~Feet~~

0
Medium gray silty clay with silt traces and roots

Medium tan and gray clay with roots

5
Soft tan and gray clay with silt traces
Loose tan and gray clayey silt with roots

Loose gray clayey silt

10
Very loose gray clayey silt with clay pockets and 2½ inch medium gray clay layer on bottom

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 814
FILE 74-30
DATE 9 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with organic matter and roots

Stiff gray clay
Stiff gray clay
5
Loose gray silt

Loose gray clayey silt
Loose gray clayey silt with clay traces
10
Medium gray slightly silty clay

Boring 815
Boring Depth 10 feet

0
Stiff gray clay with roots

Very stiff gray slightly silty clay
5
Loose gray slightly clayey silt

Loose gray clayey silt
Loose gray clayey silt
10
Loose gray sandy silt

Boring 816
Boring Depth 10 feet

0
Very stiff gray clay with roots

Loose gray clayey silt
5
Loose gray clayey silt

Loose gray clayey silt
10
Firm gray very silty clay

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 617
FILE 74-30
DATE 9 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

DEPTH FEET	
0	Stiff gray clay
	Stiff gray clay
5	Medium gray slightly silty clay with organic traces
	Medium gray slightly silty clay
10	Loose gray silt

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING B-18
FILE 74-30
DATE 13 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 35½

DEPTH FEET	
0	Stiff brown clay with roots
	Soft tan and gray silty clay
5	Firm tan and gray clayey silt
	Firm tan and gray silt with clay traces
	Very loose tan clayey silt with clay traces and 1 inch clay layer
10	Penetration Resistance 2 blows per foot (1/1/1)
	Loose tan and gray slightly clayey silt
15	Loose tan and gray silt with clay traces and 5 inch sand layer and 4 inch silty clay layer
	Loose tan sand with silt traces
	Penetration Resistance 4 blows per foot (1/2/2)
	Firm tan slightly sandy silt with 1/2 clay layer
20	Firm tan silt with clay traces
	Firm tan sand
	Penetration resistance 11 blows per foot (2/4/7)
25	Firm tan silt with sand and clay traces
	Firm brown sand with 1/4 inch gray silt layer
	Firm tan silty sand with clay traces
	Penetration resistance 21 blows per foot (4/7/14)
30	Refusal No Recovery
	Firm gray sand
	Penetration Resistance 28 blows per foot (6/11/17)
	Dense gray sand with organic traces
	Penetration Resistance 44 blows per foot (13/20/24)
35	Very dense gray sand with organic traces
	Penetration Resistance 25 blows per 6 inches (10/25)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 819
FILE 74-30
DATE 13 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 31½

0
Stiff tan and light gray clay with silt pockets and traces

Stiff tan and gray slightly silty clay

5
Medium tan and gray silty clay with silt layers

Loose tan fine sandy silt with 1/4 inch silty clay layer

Loose tan slightly clayey silt
10
Loose tan slightly clayey silt
Penetration Resistance 4 blows per foot (1/1/3)

Soft gray silty clay with silt layers

15
Loose tan silt with sand traces
Firm tan sandy silt
Penetration Resistance 15 blows per foot (1/6/9)

20
Firm tan silt with ferrous traces and clay pockets

Firm tan sandy silt with ferrous traces
Firm tan sandy silt
Penetration Resistance 14 blows per foot (4/6/8)

25
Firm tan and gray sandy silt

Firm gray sandy silt with organic traces
Dense gray sand
Penetration Resistance 40 blows per foot (11/21/19)
30
Dense gray sand
Penetration Resistance 38 blows per foot (12/20/18)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: B-20
FILE: 74-30
DATE: 14 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 37½

DEPTH FEET	
0	Medium gray clay with ferrous, wood and organic traces and roots
	Stiff tan clay with ferrous and organic traces and silt pockets
5	Medium tan and gray slightly silty clay with silt, ferrous and organic traces and silt pockets
	Medium tan clay with silt traces
10	Loose tan clayey silt with gray clay pockets
	Loose tan clayey silt with clay traces
	Soft tan silty clay with organic and ferrous traces and silt layers
15	Firm brown and gray slightly clayey silt with clay and organic traces
	Firm tan and gray slightly sandy silt with 3 inch clay layer
	Firm tan slightly sandy silt
20	Penetration Resistance 18 blows per foot (5/8/10)
	Firm tan sandy silt
	6 inch Push refusal
	Firm gray sandy silt
	Penetration Resistance 15 blows per foot (4/7/8)
25	Firm gray sand with 1/8 inch clay layer
	Firm gray sandy silt with clay traces
	Firm gray sandy silt with organic traces
30	Penetration Resistance 15 blows per foot (4/5/10)
	Loose gray sand
	Firm gray sand
	Penetration Resistance 19 blows per foot (5/8/11)
	Dense gray sand
35	Penetration Resistance 37 blows per foot (14/16/21)
	Dense gray sand
	Penetration Resistance 37 blows per foot (15/17/20)
40	

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: B-21
FILE: 74-30
DATE: 9 June 1977
TECHNICIAN: DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 43½

DEPTH FEET	
0	Medium tan and gray clay with silt traces and pockets
	Stiff light gray clay with organic matter and roots
5	Stiff tan and gray clay with gray slightly silty clay layer
	Soft brown slightly silty clay with silt traces and pockets
10	Stiff tan clay with silt traces and 4 inch silt and sand layer on bottom
	Firm brown slightly clayey silt with 1 inch slightly silt layer
	Loose tan and gray silt
15	Loose tan silt with clay traces at top
	Penetration Resistance 4 blows per foot (1/2/2)
	Loose brown slightly clayey silt with sand traces
	Loose tan and gray sandy clayey silt with sand traces and clay pockets
20	Loose tan and gray silt
	Penetration Resistance 9 blows per foot (3/3/6)
	Loose gray sand with silt traces
25	Loose tan and gray slightly silty sand
	Firm gray sand
	Penetration Resistance 15 blows per foot (2/6/9)
	Very dense gray sand with 2 inch slightly sandy clay layer and organic sand traces
30	Firm gray sand
	Firm tan and gray sand
	Penetration Resistance 11 blows per foot (4/5/6)
35	Very dense gray sand with 1 inch tan clay streak and ½ inch clay layer
	Firm gray sand
	Penetration Resistance 14 blows per foot (6/7/7)
	Firm gray sand with organic matter and gray clay in middle
	Penetration Resistance 28 blows per foot (9/13/15)
40	Dense gray sand with organic matter
	Penetration Resistance 4 blows per foot (7/21/20)
	Dense gray sand with organic matter
	Penetration Resistance 32 blows per foot (10/15/17)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 822
FILE: 74-30
DATE: 8 June 1977
TECHNICIAN: DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 41½

0
Stiff tan and gray clay with root traces

Stiff tan and gray slightly silty clay
5
Loose tan and light gray slightly clayey silt with silt lenses and silt pockets
Soft tan and gray clay with silt lenses and roots

Loose tan silt
10
Loose tan and gray clayey silt
Loose tan clayey silt with 1 inch sand layer and ferrous traces
Penetration Resistance 2 blows per foot (1/1/1)
15
Loose gray slightly clayey silt with clay traces

Firm gray silt
Loose gray silt
Penetration Resistance 10 blows per foot (3/5/5)
20
Loose gray silt with 1 inch clay layer and ¼ inch silt layers and lenses

Loose gray slightly sandy silt
25
Loose gray silt
Penetration Resistance 5 blows per foot (2/2/3)

Firm gray sand with 1½ inch gray clay layer and clay pockets ¼ inch silt layer
Firm gray sand
30
Penetration Resistance 12 blows per foot (1/4/8)
Firm gray sand with ¼ inch clay pockets and 3/4 inch gray silt layers

Firm gray sand with clay traces
35
Firm tan and gray sand with ¼ inch gray clay streaks
Firm gray sand with 2 inch clay layer in middle
Penetration Resistance 16 blows per foot (5/6/10)
Dense gray sand
Penetration Resistance 40 blows per foot (12/19/21)
40
Dense gray sand
Penetration Resistance 33 blows per foot (6/16/17)

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

SCALE —823
FILE 74-30
DATE 7 June 1977
TECHNICIAN NLT

DEPTH IN FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 45½

DEPTH IN FEET	SAMPLES			
0		Stiff tan clay with root traces and silt traces		
		Soft tan silty clay with silt pockets		
5		Soft tan and gray slightly silty clay with silt pockets		
		Loose tan clayey silt with clay pockets		
10		Very soft tan very silty clay		
		Loose tan clayey silt		
		Medium tan and gray clay with 2½ inches silt layer		
15		Firm gray clayey silt with 12 inch layer of gray very silty clay		
		Firm gray silty clayey sand		
	☒	Very soft gray silty clay Penetration Resistance	2 blows per foot	(1/1/1)
20		Firm gray slightly clayey silt		
		Firm gray clayey silt		
25	☒	Firm gray silty sand with 5 inch silty clay Penetration Resistance	12 blows per foot	(1/3/9)
		Firm gray slightly clayey silt with 1 inch clay layer		
		Soft gray clay with sand pockets and layers		
30	☒	Light gray sand Penetration Resistance	7 blows per foot	(2/2/5)
		Firm gray sand with silt traces Refusal		
35	☒	Firm gray sand Penetration Resistance	19 blows per foot	(5/9/10)
		Medium gray clay with 3 inch silt layer and silt traces		
	☒	Firm gray sand with 2 inch clay layer in middle Penetration Resistance	23 blows per foot	(10/11/12)
40	☒	Firm gray sand Penetration Resistance	28 blows per foot	(12/14/14)
	☒	Dense gray sand Penetration Resistance	33 blows per foot	(9/11/22)
45	☒	Dense gray sand Penetration Resistance	32 blows per foot	(8/14/18)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: 824
FILE: 74-30
DATE: 7 June 1977
TECHNICIAN: NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 41½

0
Very stiff tan and gray clay with silt traces with roots
Stiff tan and gray clay with silt traces
5
Medium tan and gray silty clay with silt pockets
Firm tan and gray clayey silt with clay pockets
Very soft tan very silty clay with 1 inch layer of tan and light gray clay
10
Very soft tan very silty clay
Loose brown slightly clayey silt
Loose gray slightly clayey silt
15
Penetration Resistance 4 blows per foot (1/2/2)
Sample fell out of barrel
Very loose gray silt
Penetration Resistance 5 blows per foot (1/3/2)
20
Firm gray silt with 4 inch clay layer
Firm gray sandy silt with clay pockets
Firm gray slightly sandy silt
25
Penetration Resistance 21 blows per foot (6/8/13)
Medium gray silty clay with 4 inch silt layer
Firm gray silt with 1 inch layer of soft gray slightly sandy clay
30
Soft gray slightly silty clay with 1/2 inch silt layer
Loose gray silt
Medium gray clay with silt pockets and very soft gray very silty clay upper 8 inches of sample
35
Stiff gray silty clay with 4 inch layer silt
Penetration resistance 12 blows per foot (3/4/8)
Very stiff gray sand
Penetration Resistance 31 blows per foot (8/14/17)
40
Very stiff gray sand
Penetration Resistance 38 blows per foot (16/17/21)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 825
FILE 74-30
DATE 6 June 1977
TECHNICIAN CCP

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 41½

DEPTH FEET				
0		Stiff brown and gray clay with silt pockets and grass roots		
		Stiff tan and gray clay with silt traces and grass roots		
5		Soft tan silty clay with 5 inches of very silty clay layer		
		Soft tan clay with 4 inch silt layer		
		Very loose brown silt with clay pockets		
10	⊠	Firm gray sand Penetration Resistance	2 blows per foot	(1/1/1)
		Loose tan silt with 2 inch silty clay layer and ¼ inch sandy layer		
15		Firm gray silt with clay lenses		
	⊠	Loose gray clayey sand Penetration Resistance	2 blows per foot	(1/1/1)
		Soft gray very silty clay with silt pockets		
20		Firm gray silt with clay traces		
	⊠	Firm gray clayey sand Penetration Resistance	10 blows per foot	(4/4/6)
25		Firm gray silt with clay traces and organic matter		
		Firm gray silt with organic and clay lenses		
	⊠	Firm gray sandy silt Penetration Resistance	18 blows per foot	(5/10/8)
30		Firm gray sand with 4 inch clay layer		
		Firm gray clayey sand with 4 inch sand clay layer		
35	⊠	Firm gray sand Penetration Resistance	23 blows per foot	(5/9/14)
		Medium gray clay with 1 inch silt layer and 4 inch sand layer		
	⊠	Dense gray sand Penetration Resistance	40 blows per foot	(11/18/22)
40	⊠	Very dense gray sand Penetration Resistance	41 blows per foot	(10/18/23)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 826
FILE 74-30
DATE 2 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

UNDISTURBED SAMPLE | STANDARD PENETRATION TEST | BORING DEPTH 49½

DEPTH FEET	
0	Very stiff tan and gray clay with root traces
	Stiff tan and light gray clay with organic traces
5	Medium tan and gray silty clay with silt pockets
	Firm tan and gray clayey silt with clay pockets
	Firm brown and gray clayey silt
10	1st 12 inches soft tan and gray slightly silty clay - 2nd 12 inches loose brown and gray clayey silt
	Soft tan clay with ferrous traces
	Medium gray slightly silty clay
15	Penetration Resistance 4 blows per foot (1/2/2)
	Firm gray silt with organic lenses
	Firm gray clayey silt with organic traces
20	Stiff gray clay with 1/2 inch sand layer
	Penetration Resistance 14 blows per foot (4/8/6)
	Medium gray clay with sand traces
25	Firm gray silt with 8 inch sand layer and 1/8 inch clay layers
	Firm gray sand with 1 inch clay layer
	Penetration resistance 15 blows per foot (5/7/8)
	Firm gray sand with clay traces
30	
	Firm gray sand with clay layers
	Firm gray sand with 3 inch clay layer
	Penetration resistance 11 blows per foot (4/3/8)
35	Firm gray sand with clay traces
	Firm gray sand with 4 inch clay layer
	Very stiff gray clay with 2 inch sand layer
	Penetration resistance 25 blows per foot (5/8/17)
40	Stiff gray clay with 1/2 inch sand layer
	Penetration resistance 11 blows per foot (5/4/7)
	Medium gray clay with silt layer and lenses
45	Firm gray sand with 2 inch organic sand and clay pockets
	Dense gray sand
	Penetration resistance 30 blows per foot (18/6/12/18)
	Dense gray sand
50	Penetration resistance 35 blows per foot (15/19/16)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

FP18126

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BOR N. L-827
FILE 74-30
DATE 2 June 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 41½

DEPTH FEET	SAMPLES	
0		Very stiff dark gray clay with root traces
		Medium gray and brown clay with organic traces
5		Medium tan and light gray clay with silt streaks and pockets
		Soft brown and gray clay with silt and organic traces
		Soft tan and gray slightly silty clay
10		Loose tan and gray slightly clayey silt with 4 inch clay layer and ferrous traces
		Soft gray clay with silt traces
15	⊠	Soft gray clay Penetration resistance — 2 blows per foot (1/1/1)
		Soft gray very silty clay
		Soft gray slightly silty clay with 4 inch gray silty sand layer
20	⊠	Loose gray clayey silt Penetration resistance — 5 blows per foot (2/2/3)
		Soft gray clay with silt traces and 4 inch gray sand layer
25		Firm gray sand with organic traces
	⊠	Firm gray sand with clay and organic traces Penetration resistance — 15 blows per foot (3/6/9)
30		Firm gray sand with 2 inch silt layer and clay traces Firm gray sand with 2 and 3 inch clay layers
	⊠	Firm gray sand with 6 inch clay layer Penetration resistance — 21 blows per foot (4/6/15)
35		Medium gray clay with 1/4 inch sand layer
		8 inch loose gray sand, 16 inch medium gray clay
	⊠	Dense gray sand Penetration resistance — 35 blows per foot (3/16/19)
40	⊠	Very dense gray sand Penetration resistance — 50 blows per foot (10/25)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

FF18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: B28
FILE: 74-30
DATE: 1 June 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 45½ feet

0
Stiff dark tan and gray clay with organic traces and roots

Medium tan and gray clay with silt traces

5
Medium brown and gray clay silt traces

Very soft gray and tan clay with silt traces

Loose tan and silt with clay traces
10
Very loose tan and gray clayey silt
Penetration resistance 3 blows per foot (1/1/2)

Very loose tan and gray silt

15
Firm gray and clayey silt
Soft gray silty clay
Penetration resistance 3 blows per foot (1/2/1)

Firm gray clayey silt with organic and silt traces
20
Loose gray silt with clay traces
Very loose gray silt with organic traces
Penetration resistance 2 blows per foot (1/1/1)

25
Loose gray silt with clay traces

Loose gray slightly clayey silt with organic traces
Loose gray silt with clay traces and 8 inch gray clay layer
Penetration resistance 4 blows per foot (2/2/2)
30
Firm gray silt with clay traces

Loose gray very clayey silt with 5 inch slightly sandy & silty clay layer
Stiff gray slightly silty clay
35
Penetration resistance 8 blows per foot (2/4/4)

Soft gray slightly silty clay with 6 inch clay layer

Firm gray clayey silt with 8 inch clay layer and clay traces
40
Firm gray sand with 1/2 inch clay layer
Penetration resistance 25 blows per foot (10/13/12)
Dense gray sand with 2 inch clay layer
Penetration resistance 35 blows per foot (12/19/16)
Very dense gray sand with 5 inch clay layer
45
Penetration resistance 52 blows per foot (19/26)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING B29
FILE 74-30
DATE 1 June 1977
TECHNICIAN CCH

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 39½ feet

DEPTH FEET	
0	4 inch sample stiff brown clay with root traces
	Stiff tan and gray clay with silt lenses and streaks
5	Medium brown and gray clay with organic and silt traces
	Soft brown and gray clay with organic traces and silt lenses
	Loose brown and gray clayey silt
10	Loose gray and brown silt with 12 inches soft brown and gray slightly silty clay with organic traces
	Medium gray clay with ferrous traces
	Penetration resistance — 6 blows per foot (2/2/4)
15	Loose gray clayey silt with ferrous and organic traces
	Firm gray clayey silt
	Loose gray silt
20	Penetration resistance — 4 blows per foot (1/2/2)
	Loose gray slightly clayey silt
	Firm gray silt with clay layers
25	Loose gray silt with sand traces
	Penetration resistance — 7 blows per foot (2/3/4)
	Loose gray slightly clayey silt with 1 inch clay layer
	Loose gray slightly clayey silt
30	Loose gray slightly clayey silt
	Penetration resistance — 6 blows per foot (2/3/3)
	Loose gray slightly clayey silt with 2 inch clay layer
35	Loose gray clayey silt with sand traces
	Dense gray sand
	Penetration resistance — 40 blows per foot (7/18/22)
	Very dense gray sand
40	Penetration resistance — 25 blows per 6 inches (12/25)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 330
FILE 74-30
DATE 31 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 39½ feet

0
Medium tan and light gray clay with silt traces

Medium brown and gray clay

5
Soft tan and light gray clay with silt traces

Loose tan and gray slightly clayey silt

10
Soft tan and gray clay with 8 inch loose gray silty layers and clay pockets

Firm gray slightly clayey silt and 8 inch loose gray slightly clayey silt

Soft gray clay with silt traces

15
Loose gray clayey silt with clay traces and sand traces

Firm gray slightly clayey silt
Very loose gray silt with 5 inches of slightly clayey silt layer
20 Penetration Resistance 3 blows per foot (1/1/2)

Medium gray silty clay

Medium gray clay with 1/8 inch silt layer
25 Loose gray silt
Penetration Resistance 9 blows per foot (2/3/6)

2 inch firm gray clayey silt, 3 inch soft gray clay, 1 inch gray silty sand

Firm gray clayey silt with silt traces
30 Firm gray silt with 3 inch slightly clayey silt
Penetration Resistance 10 blows per foot (2/3/7)

Medium gray clay with 3 inch sandy layer and sand lenses

35
Firm slightly silty sand with silt traces and clay streaks
Dense gray sand with 4 inch clay layer
Penetration Resistance 31 blows per foot (4/6/25)
Dense gray sand with 4 inch gray clay layer
40 Penetration Resistance 33 blows per foot (12/18/15)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING B31
FILE 74-30
DATE 31 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 41½ feet

0
Stiff brown and gray clay

Medium tan and gray clay with silt pockets and streaks

5
Medium brown and gray clay with silt traces

Medium tan and gray slightly silty clay

10
Loose tan and gray silt with clay traces

Loose tan and gray slightly clayey silt

Very loose tan and gray silt

15
Very loose gray silt
Penetration Resistance 2 blows per foot (1/1/1)

Very loose gray silt

20
Loose gray silt with clay traces

Loose gray silt
Penetration Resistance 6 blows per foot (3/2/4)

Firm gray silt with clay and organic traces

25
Loose gray silt with clay traces

Very stiff gray clay with silt traces
Penetration Resistance 16 blows per foot (2/7/9)

Loose gray silt with sand and clay traces and 4 inch gray sand layer

30
Firm gray sandy silt with clay traces

Firm gray sand with 6 inch slightly silty clay layer
Penetration Resistance 13 blows per foot (3/6/7)

35
Loose gray silt with tan and gray silt and clay traces

Firm gray sand with clay traces

Dense gray sand
Penetration Resistance 39 blows per foot (7/18/21)

40
Dense gray sand with 6 inch clay layer
Penetration Resistance 32 blows per foot (7/11/21)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 832
FILE 74-30
DATE 12 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 41½ feet

DEPTH FEET			
0	Stiff tan and gray clay		
	Medium tan and gray clay with silt traces		
5	Loose tan and gray silt with clay pockets		
	Very loose tan and gray silt		
	Loose tan and gray silt Penetration Resistance	5 blows per foot	(2/2/3)
10	Firm tan and gray clayey silt		
	Loose gray silt		
	Very loose gray silt Penetration Resistance	2 blows per foot	(1/1/1)
15	Firm gray very clayey silt		
	Firm gray slightly clayey sand		
20	Very loose gray silt Penetration Resistance	3 blows per foot	(1/1/2)
	Loose gray slightly sandy silt		
25	Firm gray silty sand		
	Loose gray silt with sand traces Penetration Resistance	6 blows per foot	(1/3/3)
30	Firm gray silty fine sand		
	Firm gray sandy silt with organic traces		
	Firm gray silt with sand traces Penetration Resistance	11 blows per foot	(2/5/6)
35	Loose gray sand with silt traces		
	Loose gray slightly silty sand with 1 inch clay layer		
	Very dense gray silty sand Penetration Resistance	25 blows per 6 inches	(12/25)
40	Dense gray silty sand Penetration Resistance	36 blows per foot	(7/15/21)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 833
FILE 74-30
DATE 12 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 53½ feet

50 ☒ Dense gray sand
Penetration Resistance 30 blows per foot (9/12/18)
☒ Hard gray clay with sand traces
Penetration Resistance 38 blows per foot (10/15/23)

55

60

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FY18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 834
FILE 74-30
DATE 10 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 41½ feet

DEPTH FEET	
0	Stiff tan and gray clay with silt and organic matter
	Medium gray clay with silt traces
5	Medium tan and gray clay with organic traces and silt traces
	Firm brown clayey silt
	Firm gray sandy silt
10	Loose tan and gray silt
	Loose tan sandy silt with 2 inch clay layer and ferrous traces
15	Very loose tan and gray silt Penetration Resistance 3 blows per foot (1/2/1)
	Loose gray slightly clayey silt
	Loose gray slightly sandy silt with 1 inch sand layer
20	Loose gray silt with sand traces Penetration Resistance 4 blows per foot (1/1/3)
	Firm gray silt with clay pockets
25	Firm gray clayey silt
	Loose gray silt with clay traces Penetration Resistance 7 blows per foot (2/3/4)
30	Loose gray slightly clayey silt
	Firm gray silt with sand lenses and streaks
	Firm gray silt Penetration Resistance 17 blows per foot (5/7/10)
35	Stiff gray silty clay with 3 inch clay layer
	Loose gray silt with sand traces
	Dense gray sand Penetration Resistance 38 blows per foot (6/16/22)
40	Dense gray sand Penetration Resistance 31 blows per foot (6/11/20)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 835
FILE 74-30
DATE 10 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 43½ feet

0
Stiff tan and gray clay
Stiff tan and gray clay
5
Medium tan and gray slightly silty clay
Very loose tan silt
Very loose tan and gray silt
10
Very loose tan silt
Penetration Resistance 2 blows per foot (1/1/1)
Loose tan slightly sandy silt
15
Loose gray silt
Very loose gray silt
Penetration Resistance 3 blows per foot (1/1/2)
Firm gray silt with sand traces
20
Loose gray silt
Medium gray slightly silty clay
Penetration Resistance 4 blows per foot (1/2/2)
25
Firm gray sand with clay streaks
Medium gray silty clay with 4 inch clay layers
Firm gray silt with clay traces
Penetration Resistance 12 blows per foot (2/4/8)
30
Loose gray silt with 2 inch clay layer
Loose gray sand with clay and silt traces
Medium gray clay with sand traces
35
Penetration Resistance 5 blows per foot (2/1/4)
Medium gray slightly silty clay
Loose gray sand
40
Dense gray sand with 2 inch clay layer
Penetration Resistance 32 blows per foot (6/17/15)
Dense gray sand with 1 inch clay layer
Penetration Resistance 35 blows per foot (10/18/17)
45

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 836
FILE 74-30
DATE 9 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 41½ feet

Depth (ft)	Description		
0	Stiff brown and gray clay with root traces		
	Stiff tan and gray clay		
5	Medium brown and gray clay with organic, ferrous and silt traces		
	Loose tan and gray silt		
	Loose gray silt		
10	Loose gray silt with 2 inch clay layer		
	Penetration Resistance	2 blows per foot	(1/1/1)
	Loose gray silt		
15	Loose gray silt		
	Very loose gray silt		
	Penetration Resistance	3 blows per foot	(1/1/2)
20	Loose gray silt with sand traces and 1 inch clay layer		
	Very loose gray silt		
	Firm gray silt with sand and clay traces		
	Penetration Resistance	10 blows per foot	(1/4/6)
25	Loose gray silt with sand traces and clay traces		
	Loose gray silt		
	Firm gray sand and silt		
30	Penetration Resistance	22 blows per foot	(2/8/14)
	Loose gray clayey silt with sand streaks		
	Loose gray sand with silt traces		
	Loose gray sandy silt		
35	Penetration Resistance	7 blows per foot	(2/3/4)
	Loose gray silty sand with 4 inch clay layer		
	Dense gray sand		
	Penetration Resistance	30 blows per foot	(6/11/19)
40	Dense gray sand		
	Penetration Resistance	32 blows per foot	(7/13/19)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 837
FILE 74-30
DATE 6 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 43½ feet

Depth (ft)	Description		
0	Stiff tan and gray clay		
	Stiff tan clay with silt and ferrous traces		
5	Soft tan and gray clay		
	Loose tan and silt with clay traces		
10	Loose tan and gray silt		
	Loose tan and gray silt Penetration Resistance	5 blows per foot	(1/2/3)
	Very loose tan silt		
15	Loose gray silt		
	Very loose gray silt Penetration Resistance	2 blows per foot	(1/1/1)
	Firm gray sandy silt with 1 inch sand layer		
20	Medium gray silty clay		
	Soft gray slightly silty clay Penetration Resistance	5 blows per foot	(2/2/3)
25	Medium gray silty clay with silt pockets		
	Loose gray silt with clay traces		
	Firm gray clayey silt Penetration Resistance	21 blows per foot	(7/9/12)
30	Firm gray silty sand with clay streaks		
	Loose gray slightly sandy silt		
35	Stiff gray clay with silt traces Penetration Resistance	21 blows per foot	(7/10/11)
	Firm gray silty sand with ½ inch clay layer and silt traces		
	N/R and refusal		
40	Dense gray sand Penetration Resistance	30 blows per foot	(10/10/20)
	Dense gray sand Penetration Resistance	45 blows per foot	(10/20/25)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc., Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 838
FILE 74-30
DATE 6 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 39½ Feet

Depth (ft)	Description		
0	Medium brown and gray clay with silt pocket		
	Stiff tan and gray clay		
5	Soft brown and gray clay with silt traces		
	Medium brown and gray clay		
	Soft gray clay with silt pockets and streaks		
10	Loose gray slightly clayey silt with 3 inch clay layer		
	Very loose gray silt		
	Very loose gray silt with ½ inch clay layer		
15	Penetration resistance	3 blows per foot	(1/2/1)
	Loose gray clayey silt		
	Medium gray silty clay		
20	Loose gray clayey silt		
	Penetration resistance	4 blows per foot	(1/2/2)
	Firm gray sandy silt with 4 inch clay layer and clay lenses		
25	Loose gray silt with 3 inch clay layer		
	Firm gray clayey sand		
	Penetration resistance	13 blows per foot	(4/4/9)
	Loose gray sand		
30	Loose gray sand		
	Loose gray sand		
	Penetration resistance	11 blows per foot	(3/4/7)
35	Firm gray sand with 1 inch clay layer		
	Refusal		
	Very dense gray sand		
	Penetration resistance	52 blows per foot	(9/22/30)
	Dense gray sand		
40	Penetration resistance	42 blows per foot	(17/22/20)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 839
FILE 74-30
DATE 5 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 51½ Feet

DEPTH FEET			
0	Stiff brown and gray clay		
	Very stiff gray clay with silt pockets		
5	Medium tan and gray clay with silt traces		
	Soft tan slightly silty clay		
	Stiff tan and gray clay with silt traces		
10	Loose tan and gray clayey silt with 5 inch clay layer		
	Loose brown sandy silt		
	Loose tan silt with clay traces		
15	Penetration resistance	4 blows per foot	(1/2/2)
	Loose tan and gray silt		
	Loose tan and gray silt with sand traces		
20	Very loose gray silt		
	Penetration resistance	3 blows per foot	(2/1/2)
	Loose gray silt		
25	Loose gray silt		
	Loose gray silt with 1 inch clay layer		
	Penetration resistance	6 blows per foot	(1/3/3)
	Loose tan and gray slightly clayey silt		
30	Medium gray silt with 8 inch clay layer with silt lenses and pockets		
	Loose gray silt		
	Penetration resistance	6 blows per foot	(3/3/3)
35	Medium gray clay with sand traces and ½ inch clay layers		
	Loose gray silt with 8 inch clay layer		
	Firm gray sand with 2 inch clay layer		
	Penetration resistance	26 blows per foot	(5/11/15)
40	Firm gray sand		
	Penetration resistance	19 blows per foot	(6/10/9)
	Dense gray sand		
	Penetration resistance	30 blows per foot	(10/14/16)
	Firm gray sand with 4 inch clay layer		
45	Penetration resistance	26 blows per foot	(8/11/15)
	Firm gray sand with 7 inch clay layer		
	Dense gray sand		
	Penetration resistance	38 blows per foot	(11/18/20)
50			

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 839
FILE 74-30
DATE 5 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 51½ Feet

50 Dense gray sand
Penetration resistance 48 blows per foot (18/22/26)

55

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FP18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 840
FILE 74-30
DATE 4 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 39½ Feet

Depth (ft)	Description		
0	Stiff brown and gray clay with roots and silt traces		
	Loose tan and gray clayey silt		
5	Loose tan and gray silt with 1½ inch silty clay layer		
	Loose tan silt		
	Penetration resistance	4 blows per foot	(1/2/2)
	Loose tan silt with sand traces		
10	Loose tan silt with sand traces		
	Loose tan sandy silt		
	Penetration resistance	4 blows per foot	(2/2/2)
15	Loose tan silt with sand traces		
	Loose tan and gray silt with 3 inch clay layer		
	Loose gray silt		
20	Penetration resistance	4 blows per foot	(2/2/2)
	Loose gray sandy silt with clay traces		
	Loose gray sandy silt		
	No Recovery		
25	Penetration resistance	15 blows per foot	(2/5/10)
	Loose gray slightly sandy silt		
	Loose gray slightly sandy silt		
30	Firm gray silt		
	Penetration resistance	12 blows per foot	(4/5/7)
	Firm gray sand with clay lenses		
35	Firm gray silty sand		
	Dense gray slightly silty sand		
	Penetration resistance	32 blows per foot	(5/15/17)
	Dense gray slightly silty sand		
40	Penetration resistance	35 blows per foot	(5/13/22)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FP18128

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING ✓841
FILE 74-30
DATE 4 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 43½ Feet

Depth		
0	Medium tan clay with root traces	
	Stiff tan clay	
5	Medium brown and gray clay with silt pockets	
	Medium tan and gray clay with silt traces	
	Stiff brown and gray slightly silty clay	
10	Very loose tan silt with clay traces	
	Very loose tan and gray silt	
	⊠ Very loose tan and gray silt	
15	Penetration resistance — 2 blows per foot	(1/1/1)
	Firm tan very silty fine sand with 6 inch clay layer	
	Loose tan and gray silty sand	
20	⊠ Loose gray sandy silt	
	Penetration resistance — 4 blows per foot	(2/2/2)
	Loose gray sandy silt with 3 inch clay layer	
25	Medium gray very silty clay and sandy silt with 2 inch clay layers and 1 inch silt layer 6 inch sample	
	⊠ Loose gray slightly sandy silt	
	Penetration resistance — 6 blows per foot	(2/3/3)
	Loose gray slightly sandy silt with ¼ inch clay layers	
30	Loose gray slightly sandy silt	
	⊠ Firm gray silty sand	
	Penetration resistance — 17 blows per foot	(7/8/9)
35	Loose gray silty sand	
	Firm gray sand with 1 inch clay layer	
	⊠ No recovery	
40	Penetration resistance — 24 blows per foot	(10/14/10)
	⊠ Dense gray sand with 4 inch clay layer	
	Penetration resistance — 30 blows per foot	(5/13/17)
	⊠ Dense gray silty sand	
	Penetration resistance — 32 blows per foot	(9/13/18)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FF18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING ✓842
FILE 74-30
DATE 3 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 37½ Feet

DEPTH FEET		
0	Medium yellow and gray clay with root traces	
	Medium tan and gray slightly silty clay	
5	Very soft tan and gray silty clay	
	Loose tan and gray silt with 2 inch clay layer	
	Loose tan and gray silt	
10	Very loose tan and gray clayey silt with ½ inch clay layer	
	Penetration resistance — 2 blow per foot	(1/1/1)
	Loose gray silt	
15	Loose brown silt with clay pockets	
	Very loose gray silt with sand and clay traces	
	Penetration resistance — 3 blows per foot	(1/1/2)
20	Loose gray clayey silt	
	Loose gray silt with clayey silt lenses	
	Loose gray sandy silt	
	Penetration resistance — 9 blows per foot	(1/3/6)
25	Loose gray silty sand	
	Firm gray sandy silt with clay lenses	
	Firm gray sand	
	Penetration resistance — 26 blows per foot	(7/9/10)
30	Firm gray sand	
	Loose gray silt with ½ inch sand layer and lenses	
35	Dense gray silty sand	
	Penetration resistance — 32 blows per foot	(13/16/16)
	Dense gray silty sand	
	Penetration resistance — 35 blows per foot	(10/18/17)
40		

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING: ✓843
FILE: 74-30
DATE: 3 May 1977
TECHNICIAN: CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ⊠ STANDARD PENETRATION TEST | BORING DEPTH 39½ Feet

Depth (ft)	Description		
0	Medium brown and gray clay with silt traces		
	Stiff tan and gray clay		
5	Medium brown and gray clay with silt pockets		
	Very soft tan and gray slightly silty clay		
10	Loose gray and tan silt with ½ inch silty clay layer		
	Loose tan and gray silt		
	Very loose tan and gray clayey silt		
	Penetration resistance	2 blows per foot	(1/1/1)
15	Very loose tan and gray silt		
	Loose tan slightly clayey silt with 1½ inch silty sand layer		
	Loose gray silt		
20	Penetration resistance	5 blows per foot	(1/2/3)
	Loose gray sandy silt		
	Loose gray sand		
	Loose gray slightly silty sand		
25	Penetration resistnace	4 blows per foot	(2/2/2)
	Loose gray sand with 6 inch clay layer		
	Firm gray sand with 1 inch gray clay layer		
30	Firm gray sand		
	Penetration resistance	20 blows per foot	(4/9/11)
	Firm gray sand		
35	Firm gray slightly silty sand with clay pockets		
	Dense gray sand		
	Penetration resistance	30 blows per foot	(6/13/17)
	Dense gray sand		
40	Penetration resistance	32 blows per foot	(10/15/17)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

PP18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 844
FILE 74-30
DATE 1 May 1977
TECHNICIAN CCN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 47½ Feet

Depth (ft)	Description		
0	Medium gray and tan clay with root traces		
	Medium gray and tan clay with silt pockets		
5	Loose tan silt with ¼ inch clay layer		
	Loose tan and gray sandy silt		
	Very loose tan and gray silt		
10	Penetration resistance	1 blow per foot	(1/1/1)
	Loose gray slightly clayey silt with clay pockets		
	Very loose tan and gray slightly clayey silt		
15	Very loose tan slightly clayey silt		
	Penetration resistance	3 blows per foot	(1/1/2)
	Loose gray silt		
	Loose brown silt		
20	Loose gray sandy silt		
	Penetration resistance	4 blows per foot	(1/2/2)
	Loose gray sandy silt		
25	Loose gray silt with ¼ inch clay layers		
	Firm gray sand		
	Penetration resistance	11 blows per foot	(2/3/8)
	Firm gray sand with ¼ inch clay layer		
30	Firm gray sand		
	Firm gray sand		
	Penetration resistance	15 blows per foot	(6/6/9)
35	Firm gray sand		
	Firm gray sand		
	Firm gray sand		
40	Penetration resistance	14 blows per foot	(4/4/10)
	Firm gray sand		
	Penetration resistance	28 blows per foot	(4/6/12)
	Sample fell out of bucket		
	Penetration resistance	24 blows per foot	(6/10/14)
45	Dense gray sand		
	Penetration resistance	37 blows per foot	(8/13/24)
	Dense gray sand		
	Penetration resistance	30 blows per foot	(10/14/16)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 845
FILE 74-30
DATE 24 Apr. 1977
TECHNICIAN GLP

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH 43½ Feet

0 Medium tan and gray clay with root traces

Medium tan and brown clay with silt traces and root traces

5 Soft very silty clay

Loose tan and gray slightly clayey silt with clay lumps and sand traces

Loose tan clayey silt

10 ⊠ Very loose tan clayey silt with 1 inch clay
Penetration resistance 2 blows per foot (1/1/1)

Very loose tan sandy silt with some clay

15 Firm tan and gray silty sand with 1½ inch silty clay layer and clay pockets

⊠ Very loose gray silt with 4 inch layer
Penetration resistance 2 blows per foot (1/1/1)

Very loose gray slightly silt on ½ inch clay at bottom

20 Loose gray fine sand 7 inch sample bag

⊠ Firm gray fine sand
Penetration resistance 22 blows per foot (1/5/6)

25 Firm gray sand with 4 inch clay layer at bottom

Firm gray fine sand with ½ inch clay layer at bottom

⊠ Firm gray fine sand
30 Penetration resistance 20 blows per foot (1/4/6)

Dense gray fine sand

No recovery

⊠ Firm gray fine sand
35 Penetration resistance 15 blows per foot (1/3/12)

Firm gray fine sand

Firm tan and gray fine sand with ¼ inch slightly clayey silt layers

40 ⊠ Dense gray fine sand
Penetration resistance 34 blows per foot (13/17/17)

⊠ Dense gray fine sand
Penetration resistance 30 blows per foot (7/13/17)

45

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc:

BORING 846
FILE 74-30
DATE 29 Apr. 1977
TECHNICIAN GLP

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 43½ Feet

Depth (ft)	Description		
0	Medium tan and gray clay with traces of wood		
	Very soft tan and gray clay with silt streaks		
5	Soft tan very silty clay		
	Loose tan and gray silt with clay traces		
	Loose brown very clayey silt with 2 inch silty clay layer at top		
10	Loose tan slightly clayey silt wtih clay		
	Penetration resistance	2 blows per foot	(1/1/1)
	Loose tan slightly sandy silt with some clay		
15	Loose tan slightly sandy silt		
	Loose tan fine sand with 3 inch slightly clay		
	Penetration resistance	10 blows per foot	(1/5/5)
20	Firm gray siltyfine sand and silty clay layer		
	Firm tan and light gray sandy silt with ¼ inch and ½ inch layer		
	Loose tan fine sand		
	Penetration resistance	7 blows per foot	(2/2/5)
25	Loose gray silty fine sand with 2 inch clay layer at bottom		
	Firm gray fine sand with clay pockets		
	Loose gray fine sand with 3 inch layer clay		
30	Penetration resistance	7 blows per foot	(4/3/4)
	Firm gray fine sand		
	Firm gray fine sand		
35	Firm gray fine sand		
	Penetration resistance	16 blows per foot	(6/5/11)
	Firm gray fine sand		
	Firm gray fine sand with clay lenses and pockets		
40	Dense gray sand		
	Penetration resistance	41 blows per foot	(9/19/22)
	Dense gray sand		
	Penetration resistance	32 blows per foot	(10/14/18)
45			

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

PP18185

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 847
FILE 74-30
DATE 28 Apr. 1977
TECHNICIAN GLP

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST. BORING DEPTH 43½ Feet

Depth (ft)	Description		
0	Medium tan and gray clay		
	Medium tan and gray clay		
5	Soft gray and tan silty clay		
	Loose tan and gray sandy silt		
	Loose tan slightly clayey silt with some clay		
10	Very loose tan silt with 3 inch slightly silty clay Penetration resistance	1 blow for 18 inches	
	Soft tan clay with silt pockets		
15	Very soft gray very silty clayey silt		
	Loose gray silt with 3 inch clay in center		
	Loose gray sandy silt with 3 inch clay layer Penetration resistance	5 blows per foot	(2/2/3)
20	Loose gray slightly sandy silt with some clay		
	Firm gray silty fine sand with clay pocket		
25	Sample fell out of barrel Penetration resistance	1 blow for 18 inches	
	Firm gray fine sand		
	Firm gray fine sand		
30	Loose gray fine sand Penetration resistance	11 blows per foot	(1/3/8)
	Dense gray fine sand with clay pockets		
35	Firm gray fine sand with ½ inch clay layer in center		
	Firm gray fine sand Penetration resistance Refusal	20 blows per foot	(5/8/12)
	Firm gray fine sand Penetration resistance	21 blows per foot	(6/9/12)
40	Dense gray fine sand Penetration resistance	31 blows per foot	(9/14/17)
	Dense gray fine sand Penetration resistance	36 blows per foot	(11/16/20)
45			

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 848
FILE 74-30
DATE 26 Apr. 1977
TECHNICIAN GLP

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 45½

DEPTH FEET				
0		Medium tan gray clay with root traces		
		Stiff gray clay		
5		Soft gray silty clay		
		Very loose brown clayey silt		
10		Soft tan and gray silty clay with clay pockets		
		Very loose tan silt with clay traces		
	☒	Very loose brown clayey silt Penetration Resistance	2 blows per foot	(1/1/1)
15		Samples fell out of barrel		
		Loose gray slightly clayey silt		
	☒	Firm gray fine sand Penetration Resistance	13 blows per foot	(6/4/9)
20		Samples fell out of barrel		
		Firm tan and gray fine silty sand with clay pockets		
25	☒	Loose gray fine sand Penetration Resistance	5 blows per foot	(6/3/2)
		Soft gray clay with 3 inch sand layer		
		Firm gray fine sand with ¼ inch clay layer		
30	☒	Firm gray fine sand Penetration Resistance	8 blows per foot	(4/4/4)
		Firm tan and gray clayey silt with 3 to 2 inch clay layers		
35		Firm gray fine sand		
	☒	Firm gray fine sand Penetration Resistance	11 blows per foot	(2/5/6)
40		Firm gray fine sand with traces of organic matter		
		Firm gray sand		
	☒	Dense gray sand Penetration Resistance	32 blows per foot	(11/13/19)
45	☒	Dense gray sand Penetration Resistance	36 blows per foot	(7/14/22)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FP18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 849
FILE 74-30
DATE 27 Apr. 1977
TECHNICIAN GLP

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 48 feet

DEPTH FEET	SAMPLES			
0	■	Medium tan and gray clay		
	■	Medium tan and gray clay		
5	■	Very soft light gray and brown very silty clay		
	■	Very soft gray silty clay with silt pockets		
10	■	Loose tan and gray clayey silt with clay pockets and layers		
	☒	Very loose brown silt with some clay Penetration Resistance	2 blows per foot	(1/1/1)
	■	Loose tan silt with some clay		
15	■	Loose brown silt		
	☒	Very loose brown silt Penetration Resistance	2 blows per foot	(1/1/1)
20	■	Loose gray silt with clay lenses and pockets		
	■	Loose gray silt with clay lenses and pockets		
	☒	Loose gray fine sandy silt with some clay Penetration Resistance	5 blows per foot	(1/2/3)
25	■	Loose gray very clayey silty fine sand with 1 inch clay layer		
	■	Firm gray silt with ¼ inch clay layer		
	☒	Firm gray fine sand Penetration Resistance	19 blows per foot	(8/10/9)
30	■	Firm gray fine sand		
	■	Dense gray sand with silt traces		
35	☒	Firm gray fine sand Penetration Resistance	19 blows per foot	(9/8/11)
	■	Firm gray fine sand		
40	■	Firm gray fine sand		
	☒	Firm gray fine sand Penetration Resistance	28 blows per foot	(9/13/15)
	☒	Dense gray fine sand Penetration Resistance	30 blows per foot	(10/12/18)
	☒	Firm gray fine sand Penetration Resistance	23 blows per foot	(10/10/13)
45	☒	Dense gray fine sand Penetration Resistance	30 blows per foot	(8/13/17)
	☒	Dense gray fine sand Penetration Resistance	32 blows per foot	(9/19/13)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 850
FILE 74-30
DATE 26 May 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 43½ Feet

0
Stiff tan and gray clay with traces of silt and grass roots

Medium gray clay with silt pockets

5
Loose tan silt with 3 inch top layer very clayey silty clay pockets

Loose tan slightly clayey silt with clay streaks and 1 inch clay layer

☒ Loose tan slightly clayey silt with 3 inch center layer silty clay
Penetration resistance 6 blows per foot (3/3/3)

10
Very loose tan and gray clayey silt with clay pockets and 3/4 inch clay layer on top
Loose gray clayey silt with 4 inch bottom layer of silty clay

15
Soft gray clay with silt pockets and 6 inch bottom layer very silty fine sand

☒ Very loose gray slightly clayey silt with 5 inch top layer of silty clay
Penetration resistance 3 blows per foot (1/1/2)

Loose gray clayey silt with 5 inch bottom layer slightly silty clay

20
Firm gray clayey silt with 1 inch clay layer

☒ Loose gray slightly clayey silt with 6 inch bottom layer of clay
Penetration resistance 4 blows per foot (1/2/2)

25
Firm gray silty sand with 3 inch soft gray clay layer

Firm gray silty sand with clay pockets and 4 inch center layer very silty clay

☒ Firm gray silty fine sand
Penetration resistance 11 blows per foot (2/5/6)

30
Firm gray silty fine sand with clay pockets

Firm gray silty sand with clay traces

35
☒ Firm gray slightly silty fine sand
Penetration resistance 20 blows per foot (7/10/10)

Firm gray slightly silty fine sand with clay pockets

Firm gray sand with clay pockets

40
☒ Firm gray slightly silty sand
Penetration resistance 31 blows per foot (11/15/16)

☒ Firm gray slightly silty sand
Penetration resistance 37 blows per foot (13/16/21)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 851
FILE 74-30
DATE 25 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 43½ Feet

DEPTH FEET	SAMPLES			
0	■	Medium tan and light gray clay with traces of grass roots		
	■	Medium tan and gray clay with silt pockets		
5	■	Medium gray clay with silt pockets and streaks		
	■	Loose tan and gray silt with traces of sand and clay		
	■	Loose tan and gray clayey silt with sand traces		
10	☒	Very loose tan and gray slightly clayey silt with sand traces Penetration resistance	2 blows per 18 inches	(1 for 9")
	■	Very loose tan sandy silt with clay traces		
15	■	Very loose tan and gray silt with clay and sand traces		
	☒	Very loose gray fine sandy silt Penetration resistance	3 blows per foot	(3/2/1)
	■	Firm gray fine sandy silt with clay traces		
20	■	Firm gray fine sandy silt with clay traces		
	☒	Loose gray fine sandy silt with 3 inch clay layer Penetration resistance	7 blows per foot	(3/2/5)
25	■	Soft gray silty clay with 1 inch bottom layer silty fine sand		
	■	Firm gray silty fine sand		
	☒	Firm gray silty fine sand with clay pockets and 4 inch bottom clay layer Penetration resistance	20 blows per foot	(6/9/11)
30	■	Firm gray silty fine sand with clay streaks and pockets		
	■	Firm gray slightly silty sand		
35	☒	Firm gray silty sand Penetration resistance	23 blows per foot	(7/11/12)
	■	Firm gray silty sand		
	■	Dense gray sand with clay traces and silt layers		
40	☒	Very dense gray silty sand Penetration resistance	25 blows per 6 inches	(12/25 for 6")
	☒	Dense gray silty sand Penetration resistance	37 blows per foot	(12/18/19)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 852
FILE 74-30
DATE 19 Apr. 1977
TECHNICIAN MN

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 44 Feet

DEPTH FEET	SAMPLES			
0		Medium tan and gray clay with roots		
		Medium tan and light gray clay		
5		Medium tan and gray clay with silt pockets		
		Medium tan and light gray clay with silt pockets and two ½ inch layers on bottom of sample		
		Firm tan and light gray slightly clayey slightly sandy silt		
10		Soft tan slightly silty clay with large silt streak and silt pockets		
		Soft tan silty clay with silt lenses and ½" to 1" silt layer on bottom and silt streaks and pockets		
		Soft tan and light gray very silty clay with silt lenses, pockets and 1 3/4" silt layer on bottom		
15		Firm tan silty sand with clay traces		
		Loose tan slightly sandy silt		
	☒	Loose tan sandy silt Penetration resistance	7 blows per foot	(3/3/4)
20		Loose tan silty sand		
		Very loose tan and gray silty sand		
25	☒	Loose tan very silty sand Penetration resistance	5 blows per foot	(2/2/3)
		Firm gray silty sand		
		Firm gray silty sand with clay pockets and lenses		
30	☒	Loose gray silty sand Penetration resistance	8 blows per foot	(2/2/6)
		Loose gray silty sand		
35		Firm gray silty sand with clay pockets		
	☒	Firm gray silty sand Penetration resistance	11 blows per foot	(2/3/8)
		Refusal		
40	☒	Firm gray silty sand Penetration resistance	12 blows per foot	(2/4/8)
	☒	Dense gray silty sand Penetration resistance	31 blows per foot	(9/13/18)
	☒	Dense gray silty sand Penetration resistance	31 blows per foot	(11/14/17)

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc., Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 853
FILE 74-30
DATE 18 Apr. 1977
TECHNICIAN MN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 43½ Feet

DEPTH FEET	
0	Stiff tan and gray clay with roots and silt traces
	Medium tan and gray clay with silt pockets
5	Very soft tan and gray very silty clay with silt pockets
	Soft tan and gray silty clay with 4 inch silt layer on bottom
	Firm tan sandy silt with clay traces
10	Very loose tan silt with clay pockets and sand traces
	Loose tan sandy silt with clay traces
	Penetration resistance — 8 blows per foot — (2/3/5)
15	Soft gray very silty clay
	Soft tan and gray very silty clay with silt lenses and 1" silt layer on bottom
	Firm brown and gray sandy silt with clay pockets, lenses and ½" clay layer
	Firm brown silty sand
20	Firm brown silty sand
	Penetration resistance — 12 blows per foot — (3/5/7)
	Medium gray clay with silt traces and silt lenses
25	Firm gray silty sand with clay pockets and silt streaks
	Firm gray silty sand
	Loose gray silty sand
30	Penetration resistance — 9 blows per foot — (2/3/6)
	Firm gray silty sand
	Firm gray silty sand
35	Firm gray silty sand
	Penetration resistance — 15 blows per foot — (2/6/9)
	Firm gray silty sand
	Firm gray silty sand with clay streaks
40	Dense gray silty sand
	Penetration resistance — 32 blows per foot — (9/14/18)
	Dense gray silty sand
	Penetration resistance — 31 blows per foot — (7/13/18)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FH8125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.,
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING ✓854
FILE 74-30
DATE 18 Apr. 1977
TECHNICIAN MN

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ⊠ STANDARD PENETRATION TEST | BORING DEPTH 41½ Feet

0 Medium tan and gray clay with roots

Medium tan and gray clay with silt traces

5 Medium tan and gray clay with silt pockets in bottom of sample

Loose tan and gray clayey silt with 3 inch medium clay layer on bottom

Soft tan and gray silty clay with two 1 inch silt layers

10 Medium tan slightly silty clay with silt pockets and lenses

Firm tan and gray slightly sandy slightly clayey silt

Very loose tan and gray slightly sandy slightly clayey silt

15 Very loose tan and gray very clayey silt with 3 inch very silty clayey layer on bottom
Penetration resistance 3 blows per foot (1/1/2)

Loose tan and gray slightly sandy silt with 1½ inch and 3½ inch clay layer on bottom

Loose gray slightly sandy silt with ½ inch clay layer on bottom

20 Very soft gray silty clay with silt lenses, sand lenses and 2 inch sand layer on bottom
Penetration resistance 6 blows per foot (2/2/4)

Soft gray slightly silty slightly sandy clay with silt streaks and sand pockets

Firm gray slightly silty sand with 1 inch clay layer

25 Very loose gray silty sand with clay pockets

Loose gray silty sand
Penetration resistance 8 blows per foot (2/3/5)

Firm gray silty sand

30 Loose gray silty sand with silt streaks, pockets, and clay streaks and layers

Loose gray silty sand
Penetration resistance 4 blows per foot (1/2/2)

35 Firm gray silty sand

Firm gray silty sand with organic traces

Dense gray silty sand
Penetration resistance 43 blows per foot (12/21/22)

40 Dense gray silty sand
Penetration resistance 34 blows per foot (10/17/17)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc. Plant No. 2
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 855
FILE 74-30
DATE 15 Apr. 1977
TECHNICIAN MJK

DEPTH FEET | SAMPLES | ■ UNDISTURBED SAMPLE | ☒ STANDARD PENETRATION TEST | BORING DEPTH 41½ Feet

0 Very stiff tan and gray clay with silt pockets and traces of grass roots

Stiff tan and gray clay with silt traces

5 Loose tan silt with traces of clay and sand

Loose tan slightly clayey silt with sand traces

Loose tan sandy silt with clay streaks

10 Firm tan sandy silt
Penetration resistance 13 blows per foot (3/6/7)

Firm tan sandy silt with 5½ inch layer silty clay

15 Loose tan sandy silt with clay traces

Loose tan fine sandy silt
Penetration resistance 8 blows per foot (2/3/5)

Firm tan silty fine sand with clay pockets

20 Loose tan silty fine sand with clay lumps

Loose tan silty fine sand
Penetration resistance 9 blows per foot (3/4/5)

25 Loose gray silty fine sand with clay traces

Loose gray silty fine sand

Loose gray silty fine sand with slightly clayey silt layers and traces of organic matter
30 Penetration resistance 9 blows per foot (4/4/5)
Firm gray very silty fine sand
Penetration resistance 20 blows per foot (4/7/13)
Dense gray fine sand
Penetration resistance 32 blows per foot (7/14/17)
35 Soft gray clay with silt lenses and 4 inch bottom layer very silty fine sand
Penetration resistance 17 blows per foot (4/7/10)
Firm gray fine sand
Penetration resistance 24 blows per foot (7/12/12)
Dense gray fine sand with clay traces
40 Penetration resistance 30 blows per foot (5/13/17)
Dense gray fine sand
Penetration resistance 32 blows per foot (5/18/22)

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING B56
FILE 74-30
DATE 31 May 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces and roots
Stiff gray clay with silt pockets
5
Firm gray clayey silt with roots
Firm gray clayey silt
10
Firm gray slightly clayey silt

Boring B57
Boring Depth 10 feet

0
Medium dark gray clay with roots
Medium gray clay
5
Medium gray slightly silty clay
Medium gray clay with silt pockets
10
Soft gray very silty clay with roots

Boring B58
Boring Depth 10 feet

0
Stiff gray clay with silt traces
Medium gray clay with silt traces
5
Loose gray slightly clayey silt
Soft gray very silty clay
10
Firm gray silt

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

PH18125

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 859
FILE 74-30
DATE 2 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces and roots
Stiff gray clay with silt traces
5
Loose gray slightly clayey silt
Soft gray very silty clay
10
Firm gray silt

Boring B60
Boring Depth 10 feet

0
Stiff gray clay with silt traces and roots
Medium gray clay with silt traces and roots
5
Soft gray silty clay
Soft gray slightly silty clay
10
Very loose gray clayey silt

Boring 861
Boring Depth 10 feet

0
Medium gray clay with silt traces
Medium gray clay with silt traces
5
Medium gray clay with silt traces
Medium gray slightly silty clay
10
Loose gray clayey silt

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 862
FILE 74-30
DATE 2 June 1977
TECHNICIAN NLT

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with silt traces and roots
Stiff gray clay with silt traces
5
Medium gray clay with silt traces
Medium gray clay
10
Medium gray slightly silty clay with organic traces

Boring 863
Boring Depth 10 feet

0
Stiff gray clay with silt traces
Medium gray clay with silt traces
5
Medium gray clay with silt traces
Medium gray clay with silt traces
10
Soft gray clay with silt traces

Boring 864
Boring Depth 10 feet

0
Stiff tan and gray clay with root traces
Stiff tan and gray clay
5
Stiff tan and gray slightly silty clay with silt traces
Medium tan and gray clay with silt traces
Stiff tan and gray clay
10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 865
FILE 74-30
DATE 22 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with root traces

Stiff tan and gray clay

5
Medium tan and gray clay

Medium tan and gray clay

Medium tan and gray slightly silty clay

10

Boring 866
Boring Depth 10 feet

0
Stiff tan and gray clay with roots

Stiff tan and gray clay with silt traces

5
Medium tan and gray silty clay with silt pockets

Medium tan and gray silty clay

Medium tan and gray silty clay with silt pockets

10

Boring 867
Boring Depth 10 feet

0
Stiff tan and gray slightly silty clay

Very stiff tan and gray silty clay with silt lenses

5
Loose tan and gray silt with clay pockets

Loose tan silt with clay pockets

Very loose tan silt

10

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 868
FILE 74-30
DATE 22 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff gray clay with roots

Very stiff tan and gray slightly silty clay

5
Medium tan and gray very silty clay with silt pockets

Loose tan and gray silt with clay traces and sand traces

Very loose tan and gray silt with sand traces

10

Boring 869
Boring Depth 10 feet

0
Stiff tan and gray clay with root traces

Stiff tan and gray slightly silty clay

5
Medium tan and gray clayey silt

Loose tan and gray silt with clay traces

10
Very loose tan silt

Boring 870
Boring Depth 10 feet

0
Stiff gray clay with roots

Stiff tan and gray clay

5
Stiff tan and gray clay with silt pockets

Loose tan and gray slightly clayey silt with 2 inch clay on top

10
Loose tan and gray silt with clay pockets

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.

FF18125

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 871
FILE 74-30
DATE 20 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Very stiff tan and gray clay
Stiff tan and gray slightly silty clay with silt pockets
5
Loose tan silt with clay pockets
Loose tan and gray slightly clayey silt with clay pockets
10
Very loose tan and gray silt with 2 inch clay layer in middle

Boring 872
Boring Depth 10 feet

0
Very stiff gray clay
Very stiff tan and gray clay
Stiff tan and gray clay with silt pockets
5
Medium tan and gray slightly silty clay with silt pockets
Soft tan and gray silty clay with 2 inch gray clay on bottom
10

Boring 873
Boring Depth 10 feet

0
Very stiff gray clay with root traces
Very stiff tan and gray slightly silty clay
Stiff tan and gray clay with silt lenses and pockets
5
Medium tan and gray silty clay
Medium tan and gray silty clay with silt pockets and lenses and 2 inch silt layer in middle
10

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 874
FILE 74-30
DATE 20 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Very stiff gray clay with root traces

Very stiff tan and gray clay with root traces

Stiff tan and gray clay with 2 inch silt layer on bottom

Loose tan and gray silt

Very loose tan and gray silt with clay pockets

10

Boring 875
Boring Depth 10 feet

0
Very stiff gray clay

Stiff tan and gray silty clay

Stiff tan and gray silty clay with 3 inch loose tan silt layer in middle

5

Stiff tan and gray clay with silt pockets and lenses

Medium tan and gray silty clay with silt pockets and lenses and 3 inch silt layer on top

10

Boring 876
Boring Depth 10 feet

0
Stiff tan and gray clay with root traces

Medium tan and gray silty clay

5
Medium tan and gray silty clay

Loose tan and gray slightly clayey silt with sand traces and clay pockets

Loose tan clayey silt with sand traces

10

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

LOG OF BORING

PROJECT: Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR: Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 877
FILE 74-30
DATE 22 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0
Stiff tan and gray clay with roots

Medium tan and gray clay

5
Medium tan and gray clay

Loose tan and gray clayey silt

Very loose tan silt

10

Boring 878
Boring Depth 10 feet

0
Stiff tan and gray clay with roots

Stiff tan and gray slightly silty clay

5
Soft tan and gray silty clay

Loose tan and gray silt with clay and sand traces

10
Very loose tan and gray silt

Boring 879
Boring Depth 10 feet

0
Stiff tan and gray clay with roots

Medium tan and gray silty clay

5
Loose slightly clayey silt with clay pockets

Medium tan and gray silty clay with silt pockets

10
Loose tan and gray clayey silt with clay pockets and 2 inch silt layer in middle

LOG OF BORING

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana
FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 880
FILE 74-30
DATE 23 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ☒ STANDARD PENETRATION TEST BORING DEPTH 10 feet

0

Stiff tan and gray clay with root traces

Medium tan and gray clay

5

Soft tan and gray clay

Soft tan and gray silty clay with silt pockets

Loose tan and gray slightly clayey silt with clay pockets

10

Boring 881

Boring Depth 10 feet

0

Stiff tan and gray clay with roots

Stiff tan and gray slightly silty clay

5

Soft tan and gray silty clay with silt pockets

Loose tan and gray slightly clayey silt

Loose tan and gray slightly clayey silt

10

Boring 882

Boring Depth 10 feet

0

Stiff tan and gray clay with root and silt traces

Stiff gray silty clay

5

Medium gray silty clay with ferrous matter

Loose tan and gray slightly clayey silt

Very loose tan and gray silt with clay and sand traces

10

PROJECT Cajun Electric Power Cooperative, Inc.
New Roads, Louisiana

FOR Cajun Electric Power Cooperative, Inc.
Bovay Engineers, Inc., Burns and Roe, Inc.

BORING 883
FILE 74-30
DATE 23 June 1977
TECHNICIAN DPS

DEPTH FEET | SAMPLES

■ UNDISTURBED SAMPLE ⊠ STANDARD PENETRATION TEST BORING DEPTH

Stiff tan and gray clay

Firm tan and gray clayey silt with silt pockets

Medium tan and gray silt clay with silt pockets

Medium tan and gray slightly silty clay

Medium tan and gray silty clay with silt pockets

LOUIS J. CAPOZZOLI & ASSOCIATES, INC.
Geotechnical Engineers

APPENDIX B

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
100	2- 4	72	36	36
100	4- 6	45	23	22
101	0- 2	60	25	35
101	2- 4	66	29	37
102	2- 4	48	22	26
102	4- 6	30	23	7
103	2- 4	51	27	24
104	0- 2	77	34	43
104	2- 4	61	29	32
105	2- 4	66	25	41
105	6- 8	28	27	1
106	0- 2	73	30	43
106	2- 4	47	25	22
107	2- 4	78	33	45
107	4- 6	55	29	26
108	2- 4	55	30	25
108	6- 8	28	25	3
109	0- 2	70	33	37
109	2- 4	64	25	39
109	4- 6	50	23	27
109	6- 8	26	25	1
110	2- 4	77	30	47
111	0- 2	77	25	52
111	2- 4	33	20	13
112	2- 4	87	38	49
112	6- 8	47	33	14
113	0- 2	71	26	45
113	2- 4	27	26	1
113	4- 6	31	24	7
114	0- 2	74	31	43
114	4- 6	45	30	15
115	2- 4	44	23	21
116	2- 4	62	29	33
117	0- 2	66	27	39
117	2- 4	45	25	20
117	4- 6	27	22	5
118	2- 4	64	31	33
118	4- 6	55	26	29

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
119	0- 2	64	29	35
119	4- 6	60	22	38
120	2- 4	56	29	27
121	2- 4	76	23	53
121	6- 8	29	23	6
122	0- 2	76	37	39
122	4- 6	43	25	18
123	0- 2	79	32	47
123	2- 4	54	25	29
123	4- 6	46	25	21
124	2- 4	78	29	49
124	4- 6	68	29	39
125	2- 4	63	33	30
125	6- 8	52	27	25
126	0- 2	96	33	63
126	4- 6	54	23	31
128	4- 6	43	23	20
128	6- 8	90	32	58
129	4- 6	34	26	8
129	6- 8	30	30	0
130	4- 6	32	24	8
131	6- 8	41	23	18
132	2- 4	117	40	77
133	4- 6	55	25	30
134	2- 4	74	29	45
134	4- 6	32	21	11
135	2- 4	69	29	40
135	6- 8	30	30	0
136	2- 4	52	26	26
136	4- 6	27	23	4
137	2- 4	45	27	18
137	4- 6	33	23	10
138	0- 2	61	23	38
138	2- 4	25	25	0
139	0- 2	75	37	38
139	2- 4	81	34	47
140	2- 4	64	33	31
140	6- 8	41	21	20

CEPCO NO. 2 FILE NO. 74-30 TABLE 101

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
141	0- 2	83	27	56
141	2- 4	55	29	26
141	4- 6	30	24	6
142	2- 4	62	34	28
142	4- 6	27	22	5
143	4- 6	36	20	16
143	6- 8	60	31	29
144	2- 4	58	26	32
144	4- 6	30	24	6
145	2- 4	83	39	44
145	6- 8	52	23	29
146	2- 4	40	22	18
146	4- 6	24	24	0
147	4- 6	34	22	12
148	2- 4	85	29	56
149	2- 4	38	17	21
149	4- 6	29	26	3
150	2- 4	38	25	13
150	4- 6	86	46	40
150	6- 8	97	53	44
152	2- 4	91	37	54
152	6- 8	30	26	4
153	2- 4	93	37	56
153	6- 8	31	23	8
154	6- 8	75	32	43
154	6- 8	44	22	22
155	4- 6	35	26	9
155	6- 8	34	27	7
156	2- 4	49	25	24
157	2- 4	67	31	36
157	4- 6	62	29	33
159	4- 6	61	29	32
160	4- 6	57	26	31
161	2- 4	52	18	34
161	2- 4	46	24	22
161	4- 6	41	22	19
162	2- 4	55	31	24
162	4- 6	28	28	0

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
163	2- 4	29	26	3
164	0- 2	78	50	28
164	4- 6	48	30	18
164	6- 8	55	25	30
165	4- 6	46	21	25
167	4- 6	59	26	33
167	4- 6	66	27	39
168	2- 4	68	35	33
169	2- 4	69	35	34
169	4- 6	74	28	46
170	6- 8	24	23	1
171	4- 6	49	24	25
172	4- 6	43	22	21
173	2- 4	40	20	20
173	6- 8	18	18	0
174	2- 4	92	30	62
174	4- 6	78	24	54
175	0- 2	90	30	60
175	4- 6	27	23	4
176	4- 6	31	26	5
177	2- 4	29	27	2
177	4- 6	29	26	3
178	4- 6	42	25	17
179	0- 2	68	23	45
179	4- 6	23	23	0
180	4- 6	34	21	13
181	2- 4	68	30	38
181	6- 8	52	23	29
182	0- 2	71	31	40
182	4- 6	48	37	11
183	2- 4	56	20	36
183	4- 6	46	21	25
183	6- 8	60	25	35
184	4- 6	30	27	3
185	0- 2	79	33	46
185	0- 2	27	21	6
186	2- 4	64	30	34
187	2- 4	54	30	24

CEPCO NO. 2 FILE NO. 74-30 TABLE 103

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
188	0- 2	44	23	21
188	2- 4	57	31	26
188	6- 8	30	24	6
189	4- 6	60	27	33
190	4- 6	47	22	25
191	6- 8	36	29	7
192	4- 6	35	23	12
193	4- 6	48	6	42
194	2- 4	41	22	19
194	4- 6	26	10	16
195	0- 2	78	30	48
195	4- 6	34	23	11
196	6- 8	26	21	5
197	2- 4	29	21	8
197	4- 6	30	21	9
198	2- 4	28	25	3
198	6- 8	23	23	0
199	4- 6	30	23	7
200	2- 4	67	27	40
201	2- 4	63	27	36
202	2- 4	23	16	7
202	6- 8	32	32	0
204	2- 4	33	33	0
204	6- 8	35	23	12
205	2- 4	60	28	32
206	4- 6	35	25	10
207	6- 8	52	27	25
208	6- 8	58	20	38
210	6- 8	40	21	19
211	2- 4	99	21	78
211	6- 8	75	24	51
212	2- 4	47	18	29
212	4- 6	28	22	6
213	2- 4	80	32	48
213	4- 6	51	26	25
214	2- 4	70	34	36
215	2- 4	97	38	59
215	6- 8	51	25	26

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
216	2- 4	55	26	29
216	6- 8	29	27	2
216	8- 10	29	25	4
217	4- 6	33	24	9
217	6- 8	43	21	22
218	2- 4	45	18	27
218	6- 8	46	23	23
219	2- 4	35	22	13
220	6- 8	35	24	11
221	4- 6	45	20	25
222	2- 4	32	21	11
223	6- 8	34	15	19
224	4- 6	30	21	9
224	6- 8	27	21	6
225	8- 10	47	25	22
226	4- 6	25	23	2
226	6- 8	30	22	8
227	4- 6	29	25	4
228	4- 6	38	23	15
229	4- 6	36	20	16
230	2- 4	68	28	40
230	6- 8	62	28	34
231	4- 6	41	19	22
232	0- 2	69	24	45
232	6- 8	26	22	4
233	6- 8	27	22	5
234	4- 6	33	25	8
235	8- 10	46	21	25
236	4- 6	32	28	4
237	4- 6	41	17	24
237	6- 8	38	28	10
238	4- 6	45	19	26
238	6- 8	49	24	25
239	4- 6	51	25	26
240	2- 4	58	27	31
240	4- 6	27	27	0
241	4- 6	26	22	4
241	4- 6	27	23	4

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
242	2- 4	30	29	1
242	6- 8	49	28	21
243	2- 4	79	38	41
244	4- 6	26	22	4
245	2- 4	47	20	27
245	4- 6	33	22	11
246	4- 6	52	20	32
247	2- 4	29	20	9
247	4- 6	33	23	10
248	0- 2	38	23	15
248	2- 4	57	24	33
249	4- 6	98	55	43
249	6- 8	41	23	18
250	4- 6	39	23	16
251	4- 6	33	31	2
251	8- 10	26	24	2
253	4- 6	27	23	4
254	6- 8	25	24	1
255	2- 4	65	24	41
257	6- 8	31	23	8
259	4- 6	57	22	35
259	8- 9	41	36	5
260	8- 10	27	25	2
261	0- 2	100	32	68
262	6- 8	23	23	0
263	0- 2	29	22	7
264	4- 6	38	21	17
265	4- 6	29	25	4
266	4- 6	22	19	3
266	6- 8	24	24	0
268	4- 6	27	22	5
269	2- 4	26	21	5
269	7- 9	34	24	10
270	2- 4	36	23	13
270	6- 8	23	22	1
271	6- 8	28	25	3
272	2- 4	60	32	28
273	2- 4	32	21	11

CEPCO NO. 2 FILE NO. 74-30 TABLE 106

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
276	6- 8	23	23	0
277	4- 6	27	11	16
277	6- 8	27	23	4
278	6- 8	27	24	3
279	4- 6	25	24	1
279	6- 8	28	25	3
280	6- 8	28	26	2
281	2- 3	88	42	46
281	3- 5	96	40	56
282	4- 6	32	29	3
282	6- 8	27	18	9
284	4- 6	27	20	7
285	0- 2	89	29	60
286	4- 6	24	21	3
287	4- 6	28	21	7
288	2- 4	32	22	10
288	6- 8	27	18	9
290	2- 4	27	16	11
291	2- 4	36	18	18
291	4- 6	22	16	6
292	4- 6	24	24	0
293	6- 8	25	24	1
294	0- 2	66	26	40
295	2- 4	32	23	9
295	4- 6	23	23	0
296	4- 6	31	22	9
297	4- 6	24	24	0
299	0- 2	32	25	7
299	2- 4	29	26	3
300	2- 4	30	18	12
301	2- 4	27	25	2
302	0- 2	28	24	4
302	2- 4	27	24	3
303	2- 4	33	25	8
304	2- 4	30	26	4
304	8- 10	33	22	11
305	0- 2	48	27	21
306	4- 6	32	24	8

CEPCO NO. 2 FILE NO. 74-30 TABLE 107

ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
307	4- 6	23	17	6
307	6- 8	32	26	6
805	4- 6	48	25	23
805	8- 10	28	23	5
806	4- 6	29	16	13
806	6- 8	30	20	10
807	2- 4	27	15	12
808	2- 4	40	23	17
809	4- 6	26	24	2
810	6- 8	35	25	10
811	6- 8	67	30	37
812	5- 6	31	22	9
814	0- 2	96	32	64
814	5- 7	28	25	3
815	4- 6	28	24	4
816	2- 4	31	23	8
817	4- 6	46	23	23
817	8- 10	28	25	3
856	2- 4	64	21	43
857	4- 6	46	21	25
857	8- 10	32	22	10
858	4- 6	31	25	6
858	6- 8	37	25	12
859	4- 6	32	26	6
860	4- 6	41	23	18
860	6- 8	47	22	25
861	6- 8	46	23	23
861	8- 10	38	21	17
862	6- 8	50	24	26
863	4- 6	63	27	36
864	4- 6	46	26	20
865	0- 2	92	30	62
866	2- 4	71	24	47
866	6- 8	41	21	20

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ATTERBERG LIMITS DATA

BORING	DEPTH	LIQUID	PLASTIC	PLASTIC INDEX
867	2- 4	39	18	21
867	4- 6	24	23	1
868	4- 6	30	15	15
869	4- 6	30	22	8
870	4- 6	52	26	26
871	2- 4	47	25	22
871	4- 6	30	27	3
872	4- 6	54	24	30
872	6- 8	45	29	16
873	2- 4	46	22	24
873	6- 8	39	21	18
875	2- 4	41	24	17
875	6- 8	62	24	38
876	6- 8	29	25	4
877	4- 6	52	22	30
878	2- 4	45	27	18
879	2- 4	39	24	15
879	4- 6	30	26	4
880	0- 2	56	23	33
880	6- 8	51	24	27
881	4- 6	35	23	12
882	4- 6	39	24	15
883	2- 4	31	23	8

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EPCO NO. 2 LABORATORY DATA TABLE 110 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
820	26- 28	23	96.9				0.92	3	1.55		BULGE	QU
820	30- 32	25	99.6				2.38	6	1.79		YIELD	QD
821	0- 2	27	89.1				0.93	7			MULTIPLE SHEAR	
821	2- 4	38	77.2				1.04	3			MULTIPLE SHEAR	
821	4- 6	33	87.3				1.37	6			MULTIPLE SHEAR	
821	6- 8	32	64.6				0.26	10			YIELD	
821	8- 10	31	89.4				1.27	10			YIELD	
821	10- 12	32	87.9				0.79	10	0.64		YIELD	QD
821	16- 18	61	73.7				1.10	10	0.99		YIELD	QD
821	18- 20	26	85.8				1.32	10	1.09		YIELD	QD
821	22- 24	23	100.8				2.72	7	1.33		BULGE	QD
821	24- 26	28	99.9				0.92	10	1.45		YIELD	QD
821	28- 30	16	89.1				2.47	7	1.68		MULTIPLE SHEAR	QD
821	30- 32	21	98.3				0.77	1	1.79		45 DEG SHEAR	QU
821	34- 36	20	93.4				2.84	10	2.03		YIELD	QD
822	0- 2	28	92.2				1.67	10			YIELD	
822	2- 4	21	98.8				1.46	4			MULTIPLE SHEAR	
822	4- 6	24	92.3				0.19	8	0.23		SLUMP	QD
822	6- 8	30	88.8				0.29	10			YIELD	
822	10- 12	28	92.7				0.59	10	0.64		YIELD	QD
822	14- 16	33	84.6				0.32	10	0.86		YIELD	QD
822	16- 18	28	92.4				0.72	10	0.99		YIELD	QD
822	20- 22	35	84.6				0.57	10	1.22		YIELD	QD
822	22- 24	27	91.7				3.05	10	1.33		BULGE	QD
822	26- 28	31	87.5				0.15	10	1.55		YIELD	QD
822	30- 32	27	94.1				0.94	10	1.79		YIELD	QD
822	32- 34	31	87.3				0.27	1	1.91		SLUMP	QD
822	34- 36	23	136.9				0.79	12	2.03		YIELD	QD
823	0- 2	23	91.7				1.30	6			MULTIPLE SHEAR	
823	2- 4	25	90.4				0.46	5			MULTIPLE SHEAR	
823	4- 6	27	90.0				0.31	10			YIELD	
823	6- 8	28	91.7				0.27	10	0.40		YIELD	QD
823	14- 16	32	86.2				0.54	10	0.86		YIELD	QD

EPCO NO. 2

LABORATORY DATA TABLE 109 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI.	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
818	0- 2	26	90.9				2.06	10			YIELD	
818	2- 4	29	86.0				0.31	10			YIELD	
818	6- 8	29	87.4				0.91	12		0.40	YIELD	QD
818	8- 10	29	89.5				0.25	10		0.51	YIELD	QD
818	12- 14	33	84.4				0.61	10		0.74	YIELD	QD
818	14- 16	29	89.6				0.65	4		0.99	SLUMP	QD
818	18- 20	32	88.8				2.08	8		1.09	BULGE	QD
818	20- 22	30	91.1				1.47	10		1.22	YIELD	QD
818	24- 26	21	93.7				2.47	4		1.45	MULTIPLE SHEAR	QD
818	26- 28	26	93.9				0.56	12		1.55	YIELD	QD
819	0- 2	29	88.6				1.78	10			YIELD	
819	2- 4	24	96.7				1.14	7			MULTIPLE SHEAR	
819	4- 6	24	94.5				0.95	10		0.30	YIELD	QU
819	6- 8	32	82.6				0.79	10		0.40	YIELD	QD
819	8- 10	28	88.8				0.62	9		0.51	BULGE	QD
819	12- 14	31	87.8				1.32	10		0.74	YIELD	QD
819	14- 16	27	97.2				1.99	6		0.86	BULGE	QD
819	18- 20	22	97.8				2.33	5		1.09	BULGE	QD
819	20- 22	21	88.4				2.66	6		1.22	BULGE	QD
819	24- 26	25	88.9				3.04	5		1.45	BULGE	QD
819	26- 28	26	94.5				3.98	7		1.55	BULGE	QD
820	0- 2	40	74.2				0.84	6			MULTIPLE SHEAR	
820	2- 4	29	91.6				1.53	10			YIELD	
820	4- 6	29	91.4				0.87	10			YIELD	
820	6- 8	31	88.5				0.55	10			YIELD	
820	8- 10	30	88.5				0.35	10		0.51	YIELD	QD
820	10- 12	30	90.4				0.65	10		0.64	YIELD	QD
820	12- 14	33	83.5				0.17	10		0.74	YIELD	QD
820	14- 16	28	88.5				1.90	10		0.86	YIELD	QD
820	16- 18	23	95.1				0.82	4		0.99		QD
820	20- 22	25	95.2				2.23	7		1.22	BULGE	QD
820	24- 26	22	92.1				2.68	10		1.45	YIELD	QD

EPCO NO. 2 LABORATORY DATA TABLE III FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER.
823	16- 18	34	82.1				0.35	10	0.99		YIELD	QD
823	20- 22	32	85.9				3.68	6	1.22		BULGE	QD
823	22- 24	32	82.7				0.75	10	1.33		YIELD	QD
823	26- 28	23	95.1				0.90	10	1.55		YIELD	QD
823	28- 30	34	81.5				0.32	10	1.68		YIELD	QD
823	32- 34	22	93.8				6.98	8	3.35		BULGE	QD
823	36- 38	48	74.5				0.63	10			YIELD	
824	0- 2	25	96.2				2.49	3			MULTIPLE SHEAR	
824	2- 4	28	91.5				1.34	10			YIELD	
824	4- 6	25	94.7				0.51	10			YIELD	
824	6- 8	32	88.1				0.91	10	0.40		YIELD	QD
824	8- 10	31	86.4				0.20	10	0.51		YIELD	QD
824	10- 12	33		29	22	7						RPP & CONSUL.
824	12- 14	33	86.3									
824	20- 22	27	91.8				0.28	10	1.22		YIELD	QD
824	22- 24	21	79.6				1.51	10	1.33		YIELD	QD
824	26- 28	42	84.0				0.51	10			YIELD	
824	28- 30	28	92.2				0.67	10	1.68		YIELD	QD
824	34- 36	46	73.6				0.56	6			MULTIPLE SHEAR	
824	38- 40	25	90.5				3.32	9	2.26		BULGE	QD
825	0- 2	28	84.6				1.93	4			MULTIPLE SHEAR	
825	2- 4	29	90.1				1.02	10			YIELD	
825	4- 6	30	87.2				0.38	10			YIELD	
825	6- 8	33	86.1				0.12	10	0.40		YIELD	QD
825	8- 10	35	81.9				0.27	10	0.51		YIELD	QD
825	12- 14	29	88.9				0.73	10	0.74		YIELD	QD
825	14- 16	31	85.8				0.42	10	0.86		YIELD	QD
825	18- 20	33	86.0				0.36	10	1.09		YIELD	QD
825	20- 22	33	84.5				0.69	10	1.22		YIELD	QD
825	24- 26	33	85.2				0.85	10	1.45		YIELD	QD
825	26- 28	34	87.0				1.31	10	1.55		YIELD	QD
825	30- 32	27	92.9				0.63	10	1.79		YIELD	QD
825	32- 34	20	97.2				1.13	10	1.91		YIELD	QD
825	36- 38	46	72.0				0.71	10			YIELD	

EPCO NO. 2 LABORATORY DATA TABLE 112 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
326	0- 2	26	91.1				3.40	4			YIELD	
326	2- 4	27	87.6				1.09	6			MULTIPLE SHEAR	
326	4- 6	24	95.1				0.87	10			YIELD	
326	6- 8	25	90.7				0.84	10	0.40		YIELD	QD
326	8- 10	32	80.3				0.66	10	0.51		YIELD	QD
326	10- 12	34	86.8				0.42	10	0.64		YIELD	QD
326	12- 14	31	84.8				0.37	10			YIELD	
326	16- 18	38	82.2				0.86	10	0.99		YIELD	QD
326	18- 20	35	81.8				0.51	10	1.09		YIELD	QD
326	22- 24	31	86.0				0.90	10	1.33		YIELD	QU
326	24- 26	29	84.1				2.77	12	1.45		YIELD	QD
326	28- 30	19	95.8				2.30	7	1.68		YIELD	QD
326	34- 36	13										
326	36- 38	12	100.9				3.21	12	2.14		YIELD	QD
326	42- 44	40	76.9				0.89	10			YIELD	
326	44- 46	31	93.8				5.03	10	2.60		YIELD	QD
327	0- 2	34	83.5				2.10	3			MULTIPLE SHEAR	
327	2- 4	41	79.5				0.79	8			MULTIPLE SHEAR	
327	4- 6	32	86.2				0.91	10			YIELD	
327	6- 8	32	86.2				0.25	10			YIELD	
327	8- 10	32	85.5				0.27	10			YIELD	
327	10- 12	31	87.8				0.60	10	0.64		YIELD	QD
327	12- 14	39	79.9				0.32	10	0.74		YIELD	QD
327	16- 18	30		33	23	10						RPP & CONSOL
327	18- 20	33	83.5				0.57	10	1.09		YIELD	QD
327	22- 24	39	82.0				0.65	10	1.33		YIELD	QD
327	24- 26	27	93.0				3.48	7	1.45		BULGE	QD
327	28- 30	32	84.0				4.02	7	1.68		BULGE	QD
327	30- 32	33	85.1				0.58	10	1.79		YIELD	QD
327	34- 36	47	78.9				0.92	7			MULTIPLE SHEAR	
327	36- 38	44	80.7				0.39	10	2.14		YIELD	QD
328	0- 2	35	74.2				1.50	3			MULTIPLE SHEAR	
328	2- 4	37	79.2				0.51	6			45 DEG SHEAR	
328	4- 6	32	85.2				0.67	10			YIELD	

PCO NO. 2 LABORATORY DATA TABLE 113 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
28	6- 8	32	87.2				0.11	10			YIELD	
28	8- 10	30	89.7				0.31	10		0.51	YIELD	QD
28	12- 14	33	91.3									
28	14- 16	30	87.3				0.73	10		0.86	YIELD	QU
28	18- 20	35	80.1				0.71	10		1.09	YIELD	QD
28	20- 22	35	84.0				1.98	10		1.22	YIELD	QD
28	24- 26	31	86.9				1.11	10		1.45	YIELD	QD
28	26- 28	33	84.2				0.61	10		1.55	YIELD	QD
28	30- 32	28	88.4				0.76	10		1.79	YIELD	QD
28	32- 34	26	89.4				0.20	10		2.05	YIELD	QD
28	36- 38	47	76.1				0.34	6			MULTIPLE SHEAR	
28	38- 40	25	90.6				1.22	10		2.26	YIELD	QD
29	2- 4	35	87.0				1.37	3			45 DEG SHEAR	
29	4- 6	30	86.6				0.44	10			YIELD	
29	6- 8	31	87.1				0.37	10			YIELD	
29	8- 10	33	86.5				0.26	12		0.51	YIELD	QD
29	10- 12	34	86.5				0.47	10			YIELD	
29	14- 16	30	87.4				0.54	10		0.86	YIELD	QD
29	16- 18	35	82.0				1.18	10		0.99	YIELD	QU
29	20- 22	33	88.2				0.76	10		1.22	YIELD	QD
29	22- 24	31	88.8				2.25	10		1.33	YIELD	QD
29	26- 28	36	84.5				0.75	10		1.55	YIELD	QD
29	28- 30	34	82.5				0.62	10		1.68	YIELD	QD
29	32- 34	32	87.6				1.74	12		2.05	YIELD	QD
29	34- 36	37	82.9				0.30	10		2.03	YIELD	QD
30	0- 2	39	80.2				0.76	6			VERTICAL SHEAR	
30	2- 4	36	81.1	75	34	41	0.64	8			MULTIPLE SHEAR	CONSOL
30	4- 6	61	68.8				0.31	10			YIELD	
30	6- 8	30	89.3				0.34	10		0.40	YIELD	QD
30	8- 10	36	88.4				0.25	10		0.51	YIELD	QD
30	10- 12	23	95.8				0.93	10		0.64	YIELD	QD
30	12- 14	35	85.2				0.45	10			YIELD	
30	14- 16	35	83.1				0.33	10		0.86	YIELD	QD
30	16- 18	32	90.7				1.37	10		0.99	YIELD	QD

EPCO NO. 2 LABORATORY DATA TABLE 1)4 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
830	20- 22	41	79.9				0.62	10			YIELD	
830	22- 24	31	87.5				0.67	10			YIELD	
830	26- 28	25	89.7				0.49	10		1.55	YIELD	QD
830	28- 30	26	85.6				0.90	10		1.68	YIELD	QD
830	32- 34	36	123.6				0.64	12			YIELD	
830	34- 36	19	96.4				1.99	10		2.03	YIELD	QD
831	0- 2	29	88.9				1.37	3			MULTIPLE SHEAR	
831	2- 4	30	87.7				0.66	10			YIELD	
831	4- 6	33	85.4				0.53	10			YIELD	
831	6- 8	29	88.9				0.49	10			YIELD	
831	8- 10	31	92.9				0.50	10		0.51	YIELD	QD
831	10- 12	32	88.6				0.34	10		0.64	YIELD	QD
831	12- 14	33	85.4				0.27	10		0.74	YIELD	QD
831	16- 18	30		26	25	1						RPP & CONSOL.
831	18- 20	29	89.0				0.78	10		1.09	YIELD	QD
831	22- 24	33	86.5				1.07	10		1.33	YIELD	QD
831	24- 26	31	88.0				0.25	10		1.45	YIELD	QD
831	28- 30	30	90.9				0.48	10		1.68	YIELD	QD
831	30- 32	30	89.7				1.21	10		1.79	YIELD	QD
831	34- 36	31	85.1				0.34	10		2.03	YIELD	QD
831	36- 38	27	90.9				0.94	10		2.14	YIELD	QD
832	0- 2	27	88.9				1.59	10			MULTIPLE SHEAR	
832	2- 4	44	80.5				0.91	10			YIELD	
832	4- 6	25	92.4				0.52	7		0.30	BULGE	QD
832	6- 8	28	84.6				0.69	7		0.40	BULGE	QD
832	10- 12	28	88.7				1.15	10		0.74	YIELD	QD
832	12- 14	32	92.7				0.24	10		0.74	BULGE	QD
832	16- 18	30	87.9				9.94	10		0.99	YIELD	QD
832	18- 20	30	88.4				0.94	7		1.09	BULGE	QD
832	22- 24	27		27	25	2						RPP
832	24- 26	28	89.5				3.03	9		1.45	BULGE	QD
832	28- 30	37	88.1				5.32	8		1.68	BULGE	QD
832	30- 32	17	40.6									

EPCO NO. 2 LABORATORY DATA TABLE 115 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
333	0- 2	35	81.9				1.12	8			VERTICAL SHEAR	
333	2- 4	28	88.4				0.89	8			MULTIPLE SHEAR	
333	4- 6	33	85.6				0.94	7			45 DEG SHEAR	
333	6- 8	30	89.1	41	25	16	0.88	10			YIELD	CONSOL
333	8- 10	37	85.5				1.08	10			YIELD	RPP
333	10- 12	26		29	24	5						
333	12- 14	33	85.7				1.44	10	0.74		YIELD	QD
333	16- 18	30	87.1				2.80	10	0.99		YIELD	QD
333	18- 20	32	88.9				0.32	10	1.09		YIELD	QD
333	22- 24	33	85.8				0.16	12	1.33		YIELD	QD
333	24- 26	31	87.8				1.33	10	1.45		YIELD	QD
333	28- 30	40	65.6				2.58	10	1.68		YIELD	QD
333	30- 32	29	88.4				1.86	10	1.79		YIELD	QD
333	34- 36	26	89.1				2.54	10	2.03		YIELD	QD
333	36- 38	24	94.4				0.40	10	2.14		YIELD	QD
333	40- 42	41	86.8				3.50	7	2.39		BULGE	QD
333	42- 44	21	101.8				1.31	6	2.49		BULGE	QD
334	0- 2	28	92.7				1.78	10			YIELD	
334	2- 4	29	81.8				0.61	10			YIELD	
334	4- 6	19	97.3				0.65	10			YIELD	
334	6- 8	29	89.3				0.98	10	0.34		YIELD	QD
334	8- 10	22	90.1				0.88	10	0.51		YIELD	QD
334	10- 12	22		24	24	0						RPP
334	12- 14	19	79.8				1.03	10	0.74		YIELD	QD
334	16- 18	25	97.0				1.56	10	0.99		YIELD	QD
334	18- 20	29	90.5				2.62	7	1.09		SLUMP	QD
334	22- 24	25	79.8				1.74	8	1.33		YIELD	QD
334	24- 26	34	86.1				0.65	8	1.45		BULGE	QD
334	28- 30	30	89.0				0.53	3			MULTIPLE SHEAR	
334	30- 32	23	95.6				3.56	8	1.79		BULGE	QD
334	34- 36	30	89.6				1.23	7			MULTIPLE SHEAR	
334	36- 38	18	92.4									
335	0- 2	30	89.5				1.86	10			YIELD	
335	2- 4	26	93.3				1.27	10			YIELD	

EPCO NO. 2 LABORATORY DATA TABLE 116 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
835	4- 6	24	88.9				0.98	10			YIELD	
835	6- 8	26	83.9				0.57	6	0.40		BULGE	QD
835	8- 10	29	88.9				0.02	10	0.51		YIELD	QU
835	12- 14	23	87.4				1.82	7	0.74		BULGE	QD
835	14- 16	15	86.4				1.70	10	0.86		YIELD	QD
835	18- 20	27	88.2				1.52	10	1.00		YIELD	QD
835	20- 22	34	85.7				1.35	10	1.22		YIELD	QD
835	24- 26	32	85.2				0.54	4	1.45		BULGE	QU
835	26- 28	31	84.8				0.69	7			MULTIPLE SHEAR	
835	30- 32	35	82.5				0.89	9			MULTIPLE SHEAR	
835	32- 34	29										
835	36- 38	34	85.9				0.67	10			YIELD	
836	0- 2	33	88.3				1.46	10			YIELD	
836	2- 4	27	94.0				1.34	9			MULTIPLE SHEAR	
836	4- 6	30	89.2				0.78	10			YIELD	
836	6- 8	22										
836	8- 10	30										
836	12- 14	24	95.0				0.93	10	0.74		YIELD	QU
836	18- 20	30	95.6									
836	20- 22	36	83.6				0.18	12			YIELD	
836	24- 26	30	86.7				1.23	9	1.45		BULGE	QD
836	26- 28	12	89.6				1.11	6	1.55		BULGE	QU
836	30- 32	28	90.7				2.71	10	1.79		YIELD	QD
836	32- 34	23										
836	36- 38	39										
837	0- 2	34	83.7				1.22	10			YIELD	
837	2- 4	24	92.4				1.10	10			YIELD	
837	6- 8	26	94.4				0.36	10	0.40		YIELD	QD
837	12- 14	30	91.7									
837	14- 16	22	89.5				1.19	6	0.86		BULGE	QU
837	18- 20	33	88.9				0.64	7	1.09		SLUMP	QD
837	20- 22	33	88.0				0.87	10	1.22		YIELD	QD
837	24- 26	30	88.6				0.98	10			YIELD	
837	26- 28	26	97.1				0.68	2	1.55		BULGE	QU

EPCO NO. 2 LABORATORY DATA TABLE 117 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
837	30- 32	28	90.2				0.95	9	1.79		BULGE	QD
837	32- 34	28	89.0				1.12	10	1.91		YIELD	QD
837	36- 38	20	93.7				4.34	5	2.14		BULGE	QD
838	0- 2	28	89.7				0.94	10			YIELD	
838	2- 4	31	87.9				0.85	10			YIELD	
838	4- 6	34	81.4				0.29	10			YIELD	
838	6- 8	30	85.9				0.70	3			45 DEG SHEAR	
838	8- 10	30	88.0				0.43	10			YIELD	
838	10- 12	33	89.7				0.53	10	0.64		YIELD	QD
838	16- 18	39	82.7				0.87	10	0.99		YIELD	QU
838	18- 20	31	85.3				0.55	10			YIELD	
838	22- 24	24										
838	24- 26	36	82.0				0.85	10	1.45		YIELD	QD
838	30- 32	15										
838	34- 36	20	91.2				3.86	5	2.08		BULGE	QD
839	0- 2	35	84.6				1.31	10			YIELD	
839	2- 4	25	83.8				2.04	8			MULTIPLE SHEAR	
839	4- 6	26	91.0				0.97	10			YIELD	
839	6- 8	28	88.7				0.43	10			YIELD	
839	8- 10	31	87.8				1.08	9			MULTIPLE SHEAR	
839	10- 12	19	89.2				0.34	6			MULTIPLE SHEAR	
839	12- 14	21	101.0				2.57	7	0.74		BULGE	QD
839	16- 18	29	97.8				1.79	10	0.99		YIELD	QD
839	18- 20	25	97.1				3.53	6	1.09		BULGE	QD
839	24- 26	25	97.9				1.48	6	1.45		BULGE	QD
839	28- 30	25	105.2				3.57	9	1.68		BULGE	QD
839	30- 32	40	77.9				0.65	6			MULTIPLE SHEAR	
839	34- 36	37	83.4				0.81	7			MULTIPLE SHEAR	
839	36- 38	28	83.0				0.75	6			MULTIPLE SHEAR	
839	46- 48	23	88.8				0.34	10			YIELD	
840	0- 2	27	89.1				1.29	9			MULTIPLE SHEAR	
840	2- 4	21	88.7				0.92	10	0.18		YIELD	QD
840	4- 6	26	93.5				0.76	10	0.30		YIELD	QU

EPCO NO. 2 LABORATORY DATA TABLE 118 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
840	8- 10	28	86.5				1.06	10	0.51		YIELD	QD
840	10- 12	18	96.2				0.64	5	0.64		SLUMP	QD
840	14- 16	25	91.6				1.85	9	0.86		BULGE	QD
840	16- 18	33	82.8				0.57	8	0.99		BULGE	QD
840	20- 22	28	94.9				1.23	10	1.22		YIELD	QD
840	26- 28	30	80.7				1.45	10	1.55		YIELD	QD
840	28- 30	26		24	24	0						RPP & CONSOL
840	32- 34	27	95.3				1.79	8	1.91		BULGE	QD
840	34- 36	29	92.0				0.73	9	2.03		SLUMP	QU
841	0- 2	38	81.1				0.82	10			YIELD	
841	2- 4	29	91.2				1.32	6			MULTIPLE SHEAR	
841	4- 6	31	88.4				0.65	10			YIELD	
841	6- 8	26	89.5				0.79	10			YIELD	
841	8- 10	31	86.4				0.33	10			YIELD	
841	10- 12	26	94.0									
841	12- 14	28	77.9				0.87	10	0.74		YIELD	QD
841	16- 18	26	97.4				2.03	7	0.99		BULGE	QD
841	18- 20	43	74.6				2.13	10	1.09		YIELD	QD
841	22- 24	29	93.0				2.61	10	1.33		YIELD	QD
841	24- 26	36	85.2				0.69	12			YIELD	
841	30- 32	31	79.3				1.08	10	1.79		YIELD	QD
841	34- 36	24	93.9				1.89	3	2.03		BULGE	QD
841	36- 38	18	104.9				2.17	10	2.14		YIELD	QD
842	0- 2	34	82.7				0.83	9	1		MULTIPLE SHEAR	
842	2- 4	29	88.6				0.81	10			YIELD	
842	4- 6	29	90.4				0.22	10			YIELD	
842	6- 8	30	88.0				0.39	10			YIELD	
842	8- 10	30									SLUMP	
842	12- 14	23	87.4				0.07	2	0.74		SLUMP	QD
842	14- 16	46	81.9				8.29	12	0.86		YIELD	QD
842	18- 20	33	90.1				1.86	10	1.09		YIELD	QD
842	20- 22	26	91.1				1.42	10	1.22		YIELD	QD
842	24- 26	35	70.2									
842	26- 28	27	87.8				3.22	7	1.55		SLUMP	QD

842	30- 32	26	92.9				2.92	8		BULGE	
842	32- 34	27	91.0				0.53	12	1.91	YIELD	QU
843	0- 2	33	82.7				0.54	10		YIELD	
843	2- 4	30	86.7				1.10	10		YIELD	
843	4- 6	30	88.6				0.75	10		YIELD	
843	6- 8	31	85.7	28	23	5	0.16	10		YIELD	
843	8- 10	30	88.6				0.60	10	0.51	YIELD	QD
843	14- 16	27		24	24	0					CONSOL.
843	16- 18	29	84.7				0.79	10	0.99	YIELD	QD
843	20- 22	31		26	24	2					RPP
843	22- 24	17	98.5				0.33	10	1.33	YIELD	QD
843	26- 28	31	93.9				2.12	12	1.55	YIELD	QD
843	28- 30	14									
843	34- 36	27	93.1				3.25	3	2.03	BULGE	QD
844	0- 2	35	82.8				0.66	10		YIELD	
844	2- 4	42	80.1				0.51	10		YIELD	
844	4- 6	34	80.9				0.14	10	0.30	YIELD	QD
844	6- 8	28	84.0				0.56	10	0.40	YIELD	QD
844	10- 12	34	85.4				0.24	10	0.64	YIELD	QD
844	16- 18	31	88.4				1.06	4	0.99	BULGE	QD
844	18- 20	20	97.9				2.80	7	1.09	BULGE	QD
844	22- 24	38	83.0				3.89	8	1.33	BULGE	QD
844	24- 26	29	86.5				1.86	10	1.45	YIELD	QD
844	28- 30	22									
844	30- 32	20									
844	34- 36	16	90.6				0.15	4	2.01	BULGE	QU
844	36- 38	9									
845	0- 2	34	82.3				0.66	9		VERTICAL SHEAR	
845	2- 4	33	87.6				0.77	10		YIELD	
845	4- 6	32	83.2				0.19	10	0.30	YIELD	QD
845	6- 8	32	80.3				0.33	10	0.40	YIELD	QD
845	8- 10	29	84.6				0.56	12	0.51	YIELD	QD
845	12- 14	29	91.2				1.66	10	0.74	YIELD	QD
847	28- 30	22	93.9				3.75	5	1.68	BULGE	QD
847	32- 34	27	90.3				3.36	6	1.91	BULGE	QD
847	34- 36	20	92.5				2.33	10	2.01	YIELD	QD

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
848	0- 2	34	85.7				0.97	10			YIELD	
848	2- 4	36	84.7				1.02	10			YIELD	
848	4- 6	28	90.7				0.44	10			YIELD	
848	8- 10	32	90.2				0.27	10			YIELD	
848	10- 12	32	89.6				0.87	10	0.64		YIELD	QD
848	12- 14	27	98.5				2.79	10	1.33		YIELD	QD
848	16- 18	31	87.8				0.86	10	0.99		YIELD	QD
848	26- 27	27	87.0				0.46	10			YIELD	
848	27- 29	34	87.5				1.27	8	1.59		BULGE	QD
848	28- 30	52	75.0				1.96	10	1.68		BULGE	QD
848	32- 34	23	93.9				0.72	10	1.79		YIELD	QD
848	38- 40	22	93.2				4.14	8	2.26		BULGE	QD
848	40- 42	25										
849	0- 2	40	76.4				0.60	9			MULTIPLE SHEAR	
849	2- 4	34	84.2				0.68	10			YIELD	
849	4- 6	30		32	28	4						RPP
849	6- 8	29	89.0				0.15	10			YIELD	
849	8- 10	33	86.2				0.15	10	0.51		YIELD	QD
849	12- 14	36	79.0				0.73	10	0.74		YIELD	QD
849	14- 16	34	76.6									
849	18- 20	18	93.0				0.68	8	1.09		BULGE	QU
849	20- 22	25	90.6				0.40	10	1.22		YIELD	QU
849	24- 26	40	82.9				1.11	10	1.45		YIELD	QU
849	26- 28	24	96.8				2.90	10	1.55		YIELD	QD
849	30- 32	22	91.1									
849	32- 34	21	96.2				6.18	7	1.91		BULGE	QD
849	38- 40	21	108.7				1.30	2	2.26		SLUMP	QU
850	0- 2	32	87.8				1.40	10			YIELD	
850	2- 4	31	87.9				0.63	10			YIELD	
850	4- 6	30	87.9				0.20	10	0.30		YIELD	QD
850	6- 8	31	88.4				0.25	10	0.40		YIELD	QD
850	10- 12	60	71.7				0.11	7	0.64		BULGE	QD
850	12- 14	38	83.2				0.17	10			YIELD	
852	20- 22	28	88.6				4.18	6	1.22		BULGE	QD
852	24- 26	35	84.6				0.98	10			YIELD	
852	26- 28	26	97.3				3.62	5	1.55		BULGE	QD

CEPCO NO. 2 LABORATORY DATA TABLE 123 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
852	28- 30	25	104.3				3.25	4	1.68		BULGE	QD
852	32- 34	26	91.9				2.52	5	1.91		SLUMP	QD
852	34- 36	24	101.2				1.15	3	2.03		BULGE	QD
853	0- 2	38	85.6				1.79	5			MULTIPLE SHEAR	
853	2- 4	28	87.5				0.67	10			YIELD	
853	4- 6	29	86.2	36	25	11	0.19	10			YIELD	
853	6- 8	32	87.5				0.45	10	0.51		YIELD	QD
853	8- 10	30	91.6				0.77	7	0.51		BULGE	QD
853	14- 16	33	84.9				0.43	10			YIELD	
853	15- 17	33	85.2				0.43	10			YIELD	
853	16- 18	24	94.3				4.95	4	2.14		SLUMP	QD
853	18- 20	27										
853	22- 24	41	79.4				0.83	10			YIELD	
853	24- 26	27	95.9				2.91	6	1.45		BULGE	QD
853	26- 28	22	101.4				3.01	5	1.55		BULGE	QD
853	30- 32	24	95.9				7.03	5	1.79		NONE	QD
853	30- 32	22	83.4				0.48	7	1.79		BULGE	QU
853	36- 38	31	88.3				2.21	10	2.14		YIELD	QD
853	38- 40	27	99.8				1.45	5	2.26		BULGE	QD
854	0- 2	40	74.4				0.61	7			MULTIPLE SHEAR	
854	2- 4	35	85.0				0.96	10			YIELD	
854	4- 6	31	88.0				0.78	10			YIELD	
854	6- 8	31	85.1	35	26	9	0.40	10			YIELD	
854	8- 9	33	85.0				0.38	10			YIELD	
854	9- 10	34	87.0				0.76	10			YIELD	
854	10- 12	30	88.8									
854	16- 18	35	84.0				0.34	10	0.99		YIELD	QD
854	22- 23	38	79.2				0.30	10			YIELD	
854	23- 24	31	98.5				3.42	3	1.36		BULGE	QD
854	24- 26	22										
854	28- 30	20	110.8				3.62	5	1.68		BULGE	QD
854	30- 32	28	90.3				0.51	10	1.79		YIELD	QD
854	34- 36	24	94.2				1.12		2.03		SLUMP	QU
854	36- 38	21	107.2				4.41	4	2.14		BULGE	QD

EPCO NO. 2 LABORATORY DATA TABLE 124 FILE NO. 74- 30

BORING NO.	DEPTH	PERCENT MOIST.	DRY DEN.PCF	ATTERBERG LIMITS LL	PL	PI	COMPRESSION TEST TSF	PERCENT STRAIN	PRESSURE-KSF START	FAIL	TYPE FAILURE	OTHER
355	0- 2	27	92.1	78	32	46	2.37	6			60 DEG SHEAR	
355	2- 4	28	91.0	64	27	37	1.10	10			YIELD	
355	4- 6	29	91.1				0.18	4	0.30		SLUMP	QD
355	6- 8	31	88.9	31	25	6	0.15	10	0.40		YIELD	QD
355	12- 14	27	89.8				0.35	4	0.74		BULGE	QD
355	14- 16	27	95.8				0.58	1	0.86		BULGE	QD
355	18- 20	25	87.4	24	24	0	1.74	10	1.09		YIELD	QD
355	20- 22	28	76.6				1.91	9	1.22		BULGE	QD
355	24- 26	27	85.9				0.67	5	1.45		BULGE	QD
355	26- 28	27	90.2				2.98	10	1.55		YIELD	QD
884	0- 2	28	92.4				1.50	10			YIELD	
884	8- 10	27	94.2				1.82	10	0.51		YIELD	QD
884	30- 32	26	92.5				0.24	10	1.79		BULGE	QD

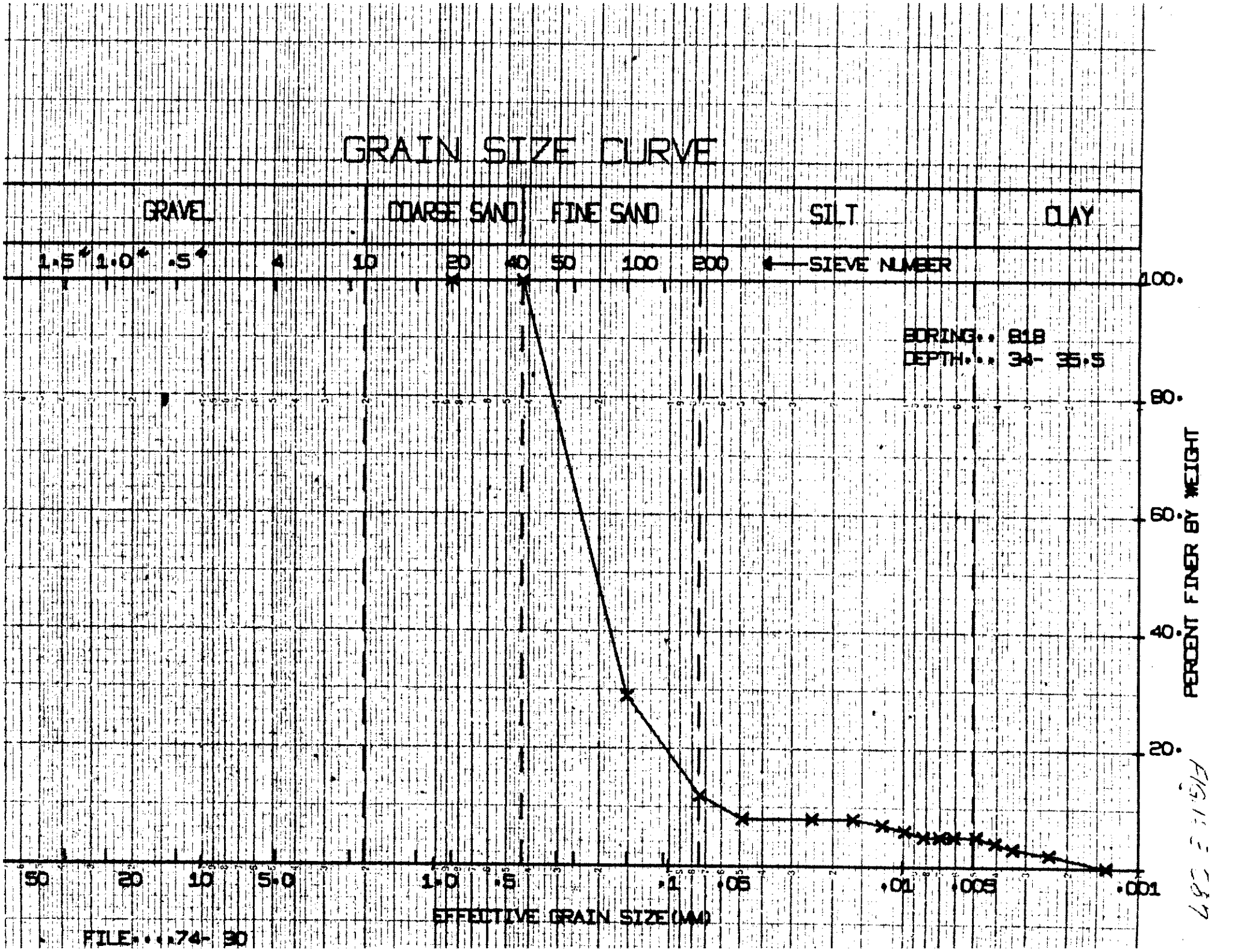

GRAIN SIZE CURVE
GRAVEL
COARSE SAND
FINE SAND
SILT
CLAY
1.5
1.0
.5
4
10
20
40
50
100
200
←—SIEVE NUMBER
BORING•• B18
DEPTH•• 34- 35.5
100•
80•
60•
40•
20•
PERCENT FINER BY WEIGHT
50
20
10
5.0
1.0
.5
.1
.05
.01
.005
.001
EFFECTIVE GRAIN SIZE(MM)
FILE••• 74- 30

FIGURE C88

GRAIN SIZE CURVE

GRAVEL | COARSE SAND | FINE SAND | SILT | CLAY

SIEVE NUMBER: 1.5" 1.0" .5" 4 10 20 40 50 100 200

PERCENT FINER BY WEIGHT: 100. 80. 60. 40. 20.

EFFECTIVE GRAIN SIZE(MM): 50 20 10 5.0 1.0 .5 .1 .05 .01 .005 .001

BORING: B19
DEPTH: 18' 20

FILE: 74-80

FIGURE C-3

GRAIN SIZE CURVE

FIGURE 270

GRAIN SIZE CURVE
GRAVEL
COARSE SAND
FINE SAND
SILT
CLAY
1.5" 1.0" .5" 4 10 20 40 60 100 200 #—SIEVE NUMBER
BORING: B&2
DEPTH: 20- 22
PERCENT FINER BY WEIGHT
100. 80. 60. 40. 20.
.001 .005 .01 .05 .1 .5 1.0 5.0 10 20 50
EFFECTIVE GRAIN SIZE (MM)
FILE: 74-80

FIGURE 291

GRAIN SIZE CURVE

GRAVEL | COARSE SAND | FINE SAND | SILT | CLAY

1.5" 1.0" .5" 10 20 40 50 100 200 ← SIEVE NUMBER

PERCENT FINER BY WEIGHT

100 80 60 40 20

BORING: B23
DEPTH: 16-18

EFFECTIVE GRAIN SIZE (MM)

50 20 10 5.0 1.0 .5 .1 .05 .01 .005 .001

FILE: 74-80

FIGURE 29C

GRAIN SIZE CURVE

GRAVEL | COARSE SAND | FINE SAND | SILT | CLAY

SIEVE NUMBER: 1.5" 1.0" .5" 4 10 20 40 50 100 200

PERCENT FINER BY WEIGHT: 100. 80. 60. 40. 20.

EFFECTIVE GRAIN SIZE (MM): 50 20 10 5.0 1.0 .5 .1 .05 .01 .005 .001

BORING: B23
DEPTH: 38-38.5

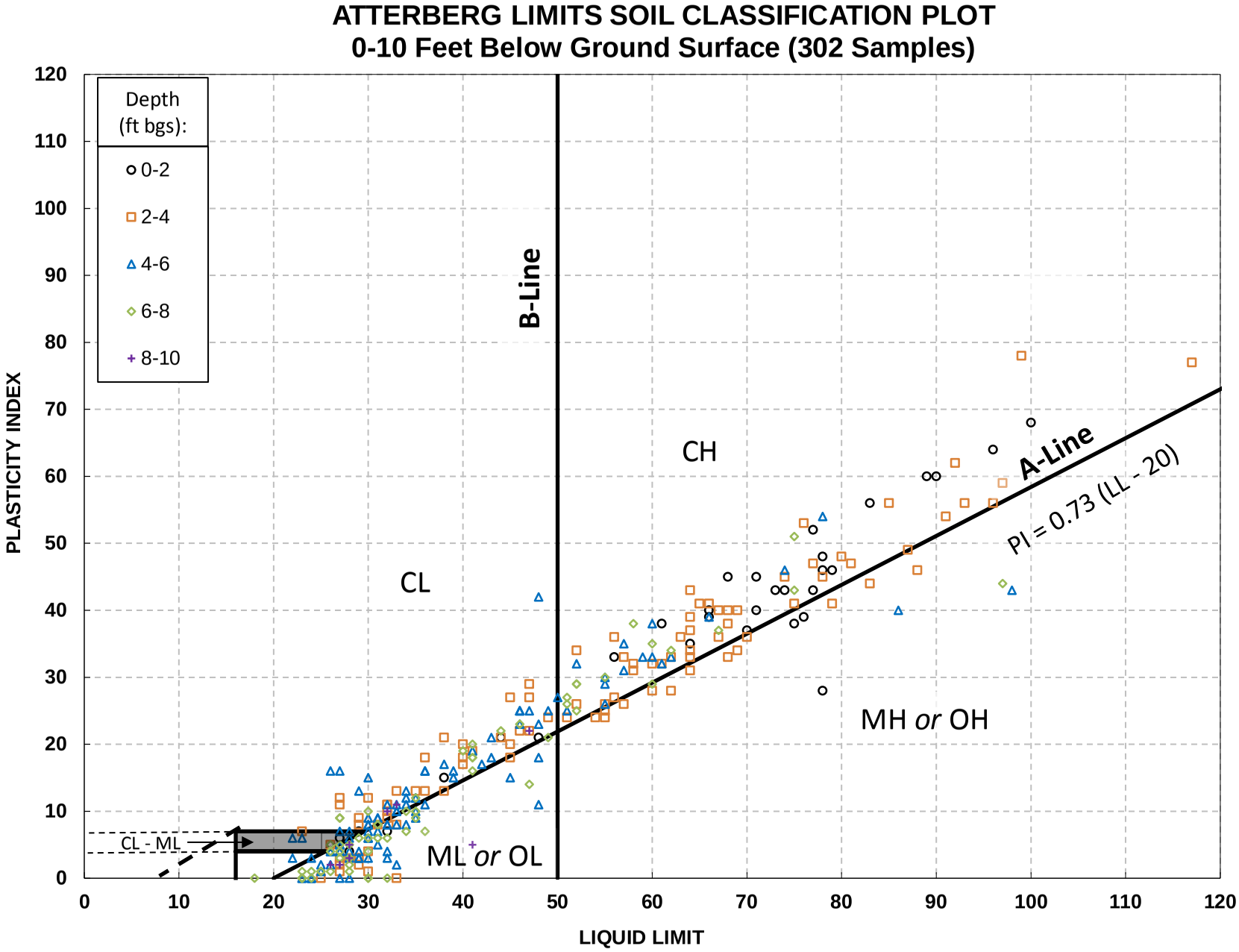
FILE: 1.74-80

PERMEABILITY TABLE 98

FILE NO. 74-30

BORING NO.	DEPTH	PERCENT MOISTURE	DRY DEN. PCF	ATTERBERG LIMITS LL	PL	PI	PERMEABILITY CM/SEC $E=10$	
837	8-10	27	90.2				0.283E-03	Silt
840	22-24	22	97.9				0.231E-03	Sandy Silt
845	26-28	24	100.0				0.102E-02	Sand
[illegible]	4-6	28	92.0	36	25	11	0.117E-08	Silty Clay
[illegible]	6-8	30	91.6	35	26	9	0.694E-07	Clayey Silt
[illegible]	0-2	29	99.4	78	32	46	0.000E 00	Clay
855	6-8	31	85.2	31	25	6	0.125E-05	Slightly Clayey Silt
855	8-10	29	90.4	26	26	0	0.874E-05	Sandy Silt
855	18-20	27	97.8	24	24	0	0.565E-04	Silty Fine Sand

APPENDIX C


ATTERBERG LIMITS SOIL CLASSIFICATION PLOT
0-10 Feet Below Ground Surface (302 Samples)
Depth (ft bgs):
0-2
2-4
4-6
6-8
8-10
B-Line
A-Line
PI = 0.73 (LL - 20)
CH
CL
MH or OH
ML or OL
CL - ML
PLASTICITY INDEX
LIQUID LIMIT
0
10
20
30
40
50
60
70
80
90
100
110
120