



Interoffice Memorandum

09-11-19A08:26 RCVD

SEP17 19 8:21AM

August 30, 2019

TO: Katie A. Smith, Deputy Clerk of the
Board of County Commissioners
County Comptroller's Office

THROUGH: Cheryl Gillespie, Development Coordinator
Agenda Development Office

FROM: Diana M. Almodovar, P. E., Interim Director
Public Works Department *DMA*

CONTACT PERSONS: **Pedro L. Medina, P. E., Interim Manager** *PM*
Development Engineering Division
407-836-7904
Pedro.Medina@ocfl.net
&
Miguel Tamayo, P. E., Senior Engineer
Development Engineering Division
407-836-7914
Miguel.Tamayo@ocfl.net

SUBJECT: Request for Public Hearing on September 24, 2019, at 2:00 p.m., for a modification to Borrow Pit Excavation Permit No. 07-E5-0717 to allow the import of approximately 100,000 cubic yards per year of Type I and Type II fill materials from various approved Orange County project sites to backfill the borrow pit. The site is unaddressed and is located north of East Colonial Drive and east of County Road 13, Orange County, Florida, Parcel ID No. 23-22-32-0000-00-004, District 5

NOTE: **Schedule this public hearing concurrently with hearings for (1) Special Exception SE-19-05-039 and (2) Environmental Protection Division Solid Waste Management Facility Permit Application SW-19-03-001**

Applicant(s): Bishop & Buttrey, Incorporated

Project name: Bishop & Buttrey Borrow Pit #164
Excavation Permit #07-E5-0717

Type of Hearing: Borrow Pit Public Hearing

Commission District: 5

General Location: North of E. Colonial Drive (S.R. 50) and east of County Road 13

LEGISLATIVE FILE # 19-1334

September 24, 2019 @ 2pm

August 30, 2019

Request for Public Hearing – Bishop & Buttrey Incorporated

Modification to Borrow Pit Permit # 07-E5-0717

Page 2

Parcel ID # (s): 23-22-32-0000-00-004

No. of Posters: 3

Use: Borrow Pit

Size / Acreage: 60 acre Borrow Pit inside a 326 acre Tract

BCC Public Hearing

Required by: Section 16-23(c), Orange County Code.

Advertising Requirements: Advertising in the Legal Notices section of the Orlando Sentinel has been handled by Development Services Department. Notices have been sent to property owners abutting and surrounding the subject property.

Spanish Contact

Person: Para más información acerca de esta vista pública, favor de comunicarse con la División de Ingeniería de Desarrollos (Development Engineering Division) al número 407-836-7914.

Material Provided:

- (1) Location Map
- (2) Site Plan Sheet
- (3) Request for modification

SPECIAL INSTRUCTIONS TO CLERK (IF ANY):

1. Once the Board of County Commissioners makes a decision on the modification to import Type I and Type II fill materials, please submit the decision letter to Miguel Tamayo of Public Works Department, Development Engineering Division (PWDE). PWDE will issue the decision to the applicant.
2. Please notify Pedro Medina and Miguel Tamayo of the scheduled date and time. The Public Works Department, Development Engineering Division will notify the applicant.
3. Supporting documentation and property legal description on file at PWDE office.

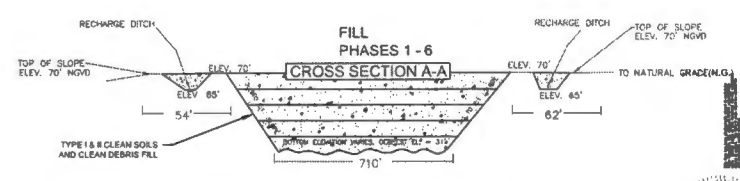
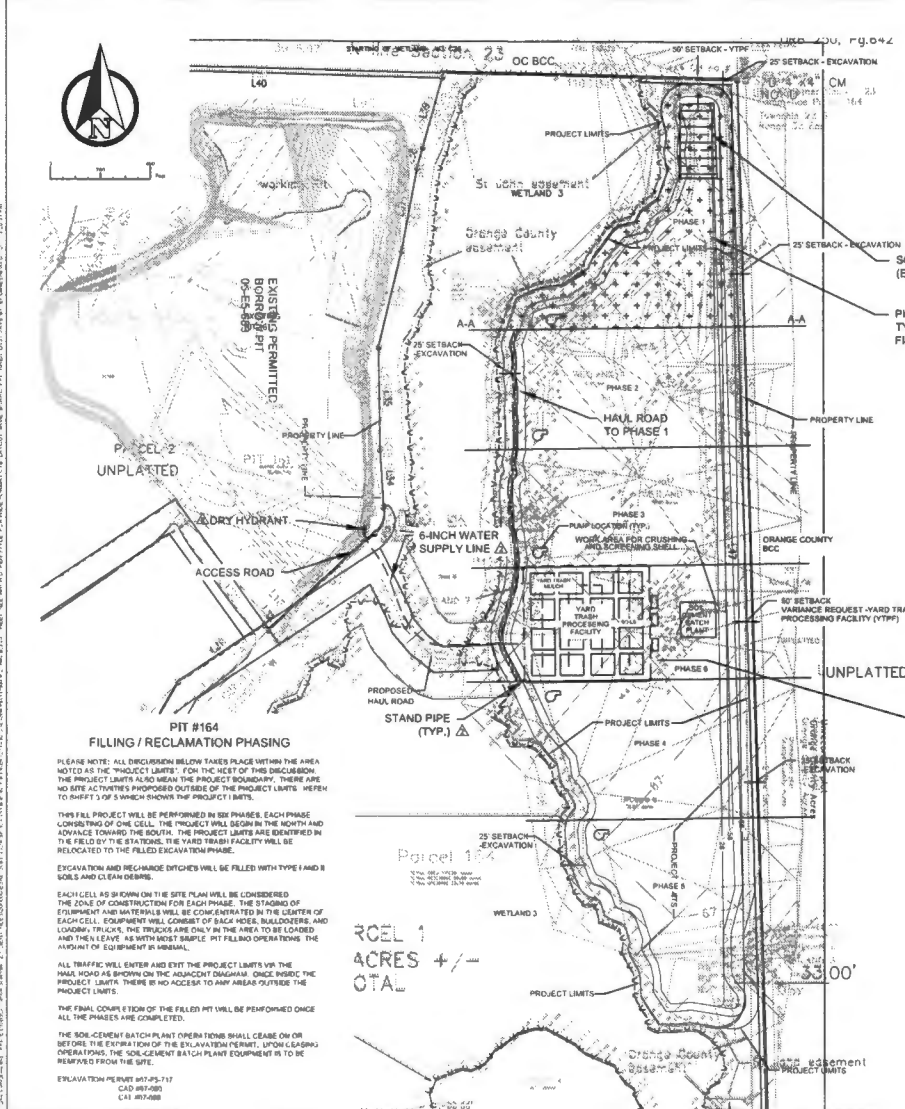
PLM/MJT

Attachments (location map, site map and request for modification)



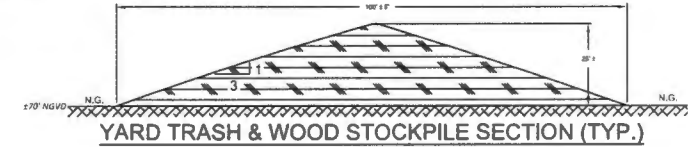
Attachment - Location Map

LOCATION MAP
 NOT TO SCALE



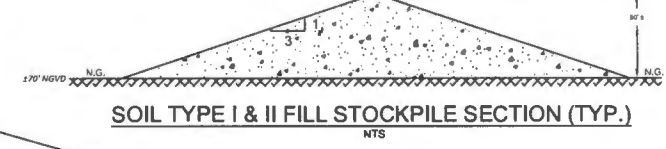
EXCAVATION FILL SECTION A-A (TYP.)

NOTE: SECTION IS ONLY FOR INFORMATION PURPOSES. THIS IS NOT AN APPROVED ORANGE COUNTY DETAIL

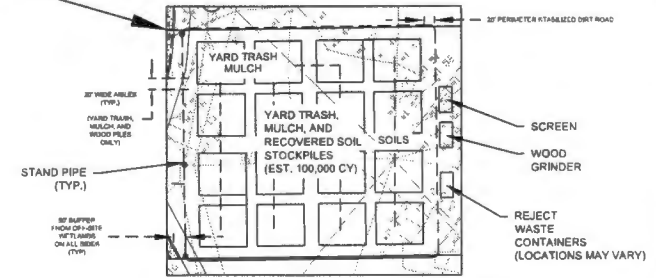


YARD TRASH & WOOD STOCKPILE SECTION (TYP.)

NOTE: YARD TRASH AND WOOD STOCKPILE WILL NOT EXCEED 25 FEET IN HEIGHT, 150 FEET WIDTH, AND 250 FEET IN LENGTH



SOIL TYPE I & II FILL STOCKPILE SECTION (TYP.)



YARD TRASH PROCESSING AREA DETAILS

FILLING / RECLAMATION PHASING

PLEASE NOTE: ALL DISCUSSION BELOW TAKES PLACE WITHIN THE AREA NOTED AS THE 'PROJECT LIMITS'. FOR THE HEFT OF THIS DISCUSSION, THE PROJECT LIMITS ALSO MEAN THE PROJECT BOUNDARY. THERE ARE NO SITE ACTIVITIES PROPOSED OUTSIDE OF THE PROJECT LIMITS. REFER TO SHEET 3 OF 5 WHICH SHOWS THE PROJECT LIMITS.

THIS FILL PROJECT WILL BE PERFORMED IN SIX PHASES. EACH PHASE CONSISTS OF ONE CELL. THE PROJECT WILL BEGIN IN THE NORTH AND ADVANCE TOWARD THE SOUTH. THE PROJECT LIMITS ARE IDENTIFIED IN THE FIELD BY THE STAKEOUTS. THE YARD TRASH FACILITY WILL BE RELOCATED TO THE FILLED EXCAVATION PHASE.

EXCAVATION AND RECHARGE DITCHES WILL BE FILLED WITH TYPE I AND II SOILS AND CLEAN DEBRIS.

EACH CELL AS SHOWN ON THE SITE PLAN WILL BE CONSIDERED THE ZONE OF CONSTRUCTION FOR EACH PHASE. THE STAGING OF EQUIPMENT AND MATERIALS WILL BE CONCENTRATED IN THE CENTER OF EACH CELL. EQUIPMENT WILL CONSIST OF BACKHOES, BULLDOZERS, AND LOADERS. TRUCKS, THE TRUCKS ARE ONLY IN THE AREA TO BE LOADED AND THE 'ELEV' AS WITH MOST SIMPLE. PIT FILLING OPERATIONS, THE AMOUNT OF EQUIPMENT IS MINIMAL.

ALL TRAFFIC WILL ENTER AND EXIT THE PROJECT LIMITS VIA THE HAUL ROAD AS SHOWN ON THE ADJACENT DIAGRAM. ONCE INSIDE THE PROJECT LIMITS, THERE IS NO ACCESS TO ANY AREAS OUTSIDE THE PROJECT LIMITS.

THE FINAL COURSE TOP OF THE FILLED PIT WILL BE PERFORMED ONCE ALL THE PHASES ARE COMPLETED.

THE SOIL-CEMENT BATCH PLANT OPERATIONS SHALL CEASE ON OR BEFORE THE EXPIRATION OF THE EXCAVATION PERMIT. UPON CLOSING OPERATIONS, THE SOIL-CEMENT BATCH PLANT EQUIPMENT IS TO BE REMOVED FROM THE SITE.

EXCAVATION PERMIT 161-25-171
 CAD 161-280
 CAI 161-288



DATE	BY	DESIGNED	CHECKED	REVISIONS
07/20/19	JC	JC	JC	
07/20/19	US	US	US	

DATE	BY	DESIGNED	CHECKED	REVISIONS
07/20/19	JC	JC	JC	
07/20/19	US	US	US	

SITE PLAN
 BISHOP AND BUTTREY, INC.
 EAST COLONIAL DRIVE,
 BITHLO FLORIDA, 32820

PROJECT NO: 201430
 FIGURE: 2

Attachment - Site Plan



August 9, 2019

Via Email/FedEx

Miguel J. Tamayo, P. E.
Orange County Public Works Department
Development Engineering Division
4200 S. John Young Parkway
Orlando, Florida 32839-9205

Subject: Bishop and Buttrey, Inc. Excavation and Fill Permit
Modification
Pit # 164 OCPW Permit # 07-E5-717
18993 Old Cheney Highway, Orlando, FL
GSE Project Number 291430

Dear Mr. Tamayo:

On behalf of Bishop and Buttrey (B&B), Inc., Grove Scientific & Engineering (GSE) is submitting this description of the proposed modification to allow filling of the subject excavation with type I and type II soils. This submittal is an addendum to the permit application submitted to your Department in May 2019 for the subject fill project.

As you are aware, B&B have applied to the Orange County DRC, BZA, and EPD to operate a yard trash processing facility on the 60-acre excavation site. If approved by the BOCC, the initial phase of the facility will be the approximate 13-acre Phase 6 section of the borrow pit. The fill to be used to reclaim the borrow pit will be screened from the land clearing and the strippings portion of the yard trash that is primarily soils. The proposed operations to clear that the soils are clean fill, process these soils and then to fill, or reclaim, the borrow pit are described in the following description, applicable excerpts from the EPD permit Operations Plan for the facility.

1.0 GENERAL

Bishop and Buttrey(B&B), Inc. plans to operate a yard trash recycling facility, or a source-separated organics processing facility (SOPF) in Bithlo, east Orange County, Florida, see location map, Figure 1. The site will be registered as an SOPF with the Florida Department of Environmental Protection (FDEP) under Rule 62-709. FAC and permitted as a solid waste facility under Orange County code Article V, Chapter 32. The site is hereafter referred to as B&B, or the Facility.

1.1 Site Location and Description

The facility is located approximately at 18993 Old Cheney Highway at intersection of SR 50, Orange County, Florida (see Figure 1). The entire property covers approximately 326 acres and includes lakes created by sand mining, and undeveloped woodlands. The approximate ½ mile dirt access road off of SR 50 also is used by the Honey Bee Ranch borrow pits.

The area dedicated to wood and yard waste processing measures will within the northeastern portion of the property at the existing 60-acre Pit #164, central portion-Phase 6, or approximately 13 acres (see Figure 2). However, the facility plans to relocate as needed as the pit is excavated and reclaimed.

The facility will operate from 7 am to 7 pm Monday through Saturday. A 4-foot barbed wire fence secures the facility from unauthorized entry and dumping. There will be a 20-foot-wide all-weather access road around the perimeter of the yard trash processing site. The SOPF facility will meet the design and operational requirements of Rule 62-709.330(2) and (3), see Site Plan.

2.0 WASTE STREAM QUALITY CONTROL

The B&B recycling **facility will only accept yard trash**, land clearing debris, clean debris and types I and II waste soils, as defined in Rule 62-701 and Orange County code Chapter 16, as stated below.

- “Yard trash” means vegetative matter resulting from landscaping maintenance or land clearing operations and includes materials such as tree and shrub trimmings, grass clippings, palm fronds, trees and tree stumps, and associated rocks and soils.
- “Land clearing debris” (LCD) means rocks, soils, tree remains, trees, and other vegetative matter that normally results from land clearing or land development operations for a construction project.
- Type I material consists of compacted earth free of roots and other vegetable matter.
- Type II material consists of clean debris, which means any solid waste which is virtually inert and which is not a pollution threat to groundwater or surface waters and is not a fire hazard, and which is likely to retain its physical and chemical structure under expected conditions of disposal or use. The term includes brick, glass, ceramics and uncontaminated concrete including embedded pipe or steel. If this type material is to be used, a layering plan must be submitted and approved by the county engineer. Mixing of type II debris with other wastes will cause it to be classified as other than type II material.”
- “Clean debris” means any solid waste that is virtually inert, is not a pollution threat to ground water or surface waters, is not a fire hazard, and is likely to retain its physical and chemical structure under expected conditions of disposal or use. The term includes brick, glass, ceramics, and uncontaminated concrete including embedded pipe or steel.

Clean debris may be used as fill or raw material in any area, including waters of the State, subject to receipt of an environmental resource permit from the Department where applicable. Clean debris used as fill material is not solid waste, and such use does not require a solid waste permit under Rule 62-701, FAC.

The facility will not accept: Class 1, or municipal solid waste, and hazardous waste will not be accepted for processing at the facility. If household putrescible waste is inadvertently received at the facility, it shall be placed in a covered container and removed from the facility within 48 hours. Further, if any of the following materials are discovered, they shall be immediately containerized and removed from the facility: treated or untreated biomedical waste, hazardous waste, or any materials containing polychlorinated biphenyl (PCB) concentrations of 50 parts per million or greater. Unacceptable waste container locations are shown on Figure 2. Non-putrescible wastes, such as construction and demolition debris, tires, white goods, will be rejected, or if dumped, will be placed in a reject container and removed from the facility within 30 days.

The B&B facility's system of trained spotters at the processing area are key to the success of the recycling process. Trucks carrying primarily recyclable wood products are directed to dump within the currently designated area used to process these materials. Figure 2 (Site Plan) locates the currently designated areas to stockpile and process typical recyclables. Waste that is not yard trash, is loaded into reject containers for off-site disposal at a permitted landfill. B&B will recycle or process only clean, untreated wood. Painted, treated (preserved), or contaminated wood will not be recycled. Chromated copper arsenate (CCA) pressure treated wood will not be accepted for recycling. CCA-treated wood is defined in DEP Rule 62-701.200(11) as lumber, timber, or plywood treated with chromated copper arsenate. The term does not include utility poles unless they have been ground, chipped, or shredded.

3.0 RECYCLABLE PROCESSING

Yard trash that is primarily wood will be fed into a grinder to process into wood chips. A subcontracted wood grinding firm will be used to provide the equipment to process the material. The wood chips are sold as a landscaping material, or fuel for power generation.

Land clearing loads and soil strippings (loads that are visually primarily soils) will be initially processed, or size reduced, through a 6-inch sieve soil screening machine to recover entrapped type I and II top soil. The recovered top soil is stockpiled to be used or sold as topsoil, or be used to reclaim the excavated borrow pit #164. The yard trash and land clearing debris loads that are mostly wood will be stockpiled in the recycling area for processing by the portable tub grinder into wood chips/mulch or screened to recover type I and II soils. Unprocessed wood and size reduced mulch will not be used to fill in the excavation pit.

Land clearing debris and yard trash may be first put through a finer trommel screen, or equivalent, to separate fines (grass clippings and soil), and large branches before being fed into the tub grinder. Size-reduced means yard trash material that has been processed so that it will pass through a six-inch sieve or has been cut for firewood in lengths not greater than twenty-four (24) inches.

All yard trash will be sized reduced, processed, used as fill or removed from the facility within twelve (12) months of receipt. However, logs with a diameter of 6 inches or greater may be stored for up to 18 months before they are size reduced or removed, provided the logs are separated and stored apart from other materials on site. Processed yard trash and soils will be stored up to 18 months prior to off-site reuse or on-site use for pit #164 reclamation.

Yard trash quantities received at the facility will be estimated thru container volume of cubic yards. Daily and monthly records will be maintained of quantities received and of materials sold for off-site use. Quantities of recovered type I and II soils and processed yard trash will be estimated thru topographic survey, or other acceptable methods.

3.1 Material Storage

An estimated one-hundred thousand (100,000) cubic yards of total combined volume of yard trash, recovered type I and II soils and recycled wood materials will be stored at the B&B facility at any time. Recovered soil storage piles will not exceed a height of 50 feet above grade. Raw and processed wood products will be stored in piles no more than 25 feet in height, and no more than 50 feet from access to firefighting equipment. Therefore, wood piles will be separated by aisles at 100 feet spacing, see Site Plan. The yard trash processing facility is planned to be relocated, or phased, as the borrow pit #164 is excavated. Initially, the facility will be located in Phase 6 of the borrow pit, and as this Phase needs to be excavated, move to Phase 1, the reclaimed area of the pit, see Site Plan. The required setbacks will be maintained as the facility relocated within the pit.

Recovered soils may be stored in quantities up to 50,000 CY for up to 18 months for use as in-fill in the borrow pit, or for off-site fill project use. All yard trash will be removed from bags within 48 hours. B&B does not accept yard trash in plastic bags. Processed material shall be removed from the facility within 18 months.

3.2 Equipment Selection/Operation

Equipment is planned to be subcontracted by B&B to manufacture an acceptable recyclable product. All necessary equipment will be fitted with mufflers or other devices to suppress excessive noise. The following list of equipment, or equivalent, is planned to be on site as needed in the recycling area:

1. a wood grinder, (Morbark 1300, or equivalent), with 50-70 tons per hour capacity will be periodically on site to process wood wastes;
2. a soil screen (830 Powerscreen, or equivalent); and
3. 950 front-end loader with rake and bucket
4. a 6-inch sieve screen.

3.3 Excavation Pit Filling

Yard trash will be screened to recover type II soils and clean debris for use as fill to reclaim the excavated areas on pit #164. Figure 2 presents the phasing of the proposed yard trash area locations and excavation filling. The first Phase, the yard trash facility will be located within

Phase 6 of the excavation, while filling the excavated Phase 1 with recovered soils from the yard trash. Once Phase 1 has been filled, the yard trash facility will be relocated to the Phase 1 filled area, and begin filling of the Phase 2 excavated area, and so on, until the entire 60-acre excavation pit is reclaimed with recovered soils from the yard trash facility, see Figure 3, Fill Sequencing. Orange County Public Works and EPD will be notified, and approved prior to relocation of the yard trash processing area during each phase.

Each excavation Phase will be filled with type I or II soils to an elevation of approximately 70 feet NGVD to ensure that the grade is above the seasonal high water table, and then will be surcharged with approximately 5-10 feet of soils to encourage settlement and ground stability prior to yard trash facility re-location.

The facility will clear customers and soils to ensure that the backfill is clean soils. Therefore, to this end, the Bishop & Buttrey yard trash processing facility will take the following steps to ensure that the soils accepted for processing (screening) and to be used as fill, are not contaminated:

- Initially screen soil (land clearing, soil strippings) customers to determine that the source of the soils is not, or was not previously, a commercial or industrial site;
 - Require that each waste soil customer fill out and sign a Soil Profile form that will document the source and quantity of the soils, and certify by generator, that the soils are from a previously undisturbed site, or an agricultural site, and that they are not contaminated by constituents that could impact groundwater or surface water quality (a draft soil profile form is attached in Appendix A).Profile forms will be kept on file for 3 years ;
 - Spotters/Operator will inspect soils upon tipping at the facility for any signs of entrained solid wastes, odors, or any other obvious signs of contamination, and if so, reject the soils, or containerize, if after the soils had been tipped.
- Cleared/acceptable soils will then be stockpiled, screened, and used as backfill, or reused as top soil off site.

In addition, we are proposing a groundwater quality monitoring plan to encompass the 60-acre site, to further ensure that any groundwater impacts are detected. The monitoring concept would be a system a three (3) shallow monitoring wells, two (2) downgradient, and one (1) upgradient to initially be tested for background, and then annually for constituents of concern. Results of the monitoring would be reported to the OCEPD prior to waste acceptance, and annually, thereafter. The details of this monitoring plan will be submitted to the EPD in the near future.

4.0 CONTINGENCY PLAN

In the event of a major storm, such as a hurricane or tornado generating large amounts of demolition debris and yard trash, the following plans would be put into effect.

- A. Additional spotter personnel will be employed to direct the increased yard trash and clean wood loads to the appropriate recycling area, and to ensure that only yard trash is accepted.
- B. Additional portable waste processing equipment will be moved to or rented for the facility to allow higher processing rates. This equipment may include an additional tub grinder.
- C. Yard trash and downed trees will make up the bulk of the initial loads, so personnel and equipment would be increased in this process stream.

In the event of a natural disaster, operations at the facility will be suspended until the facility site supervisor has deemed that normal operations, or emergency operations in response to the disaster, can resume safely.

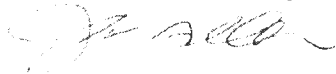
5.0. CLOSURE AND FINANCIAL ASSURANCE

When the B&B facility ceases operation, all residuals, solid waste, and recyclable materials shall be removed from the site within one month of closing. Wood wastes will be removed to a recycling or proper disposal facility. Recovered stockpiled type I and II soils will be entirely removed and/or used as fill in pit #164 within 60 days of closing. B&B will notify the FDEP and Orange County within 45 days prior to ceasing operations, and specify date of closing. No yard trash shall be received by the facility after the closing date.


Financial assurance to guarantee closure costs must be kept in place while the facility is in operation, based on an engineer's closure cost estimate. The closure costs are required to be annually updated, or inflation adjusted, to the FDEP and Orange County.

We trust that this permit application addendum has adequately explained the project. Please contact us with any questions.

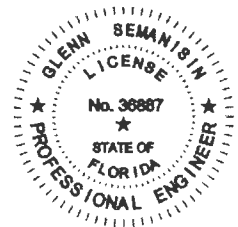
Sincerely,
Grove Scientific & Engineering Company



James Golden, P.G.
Vice President Senior Scientist

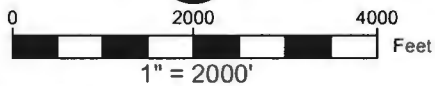
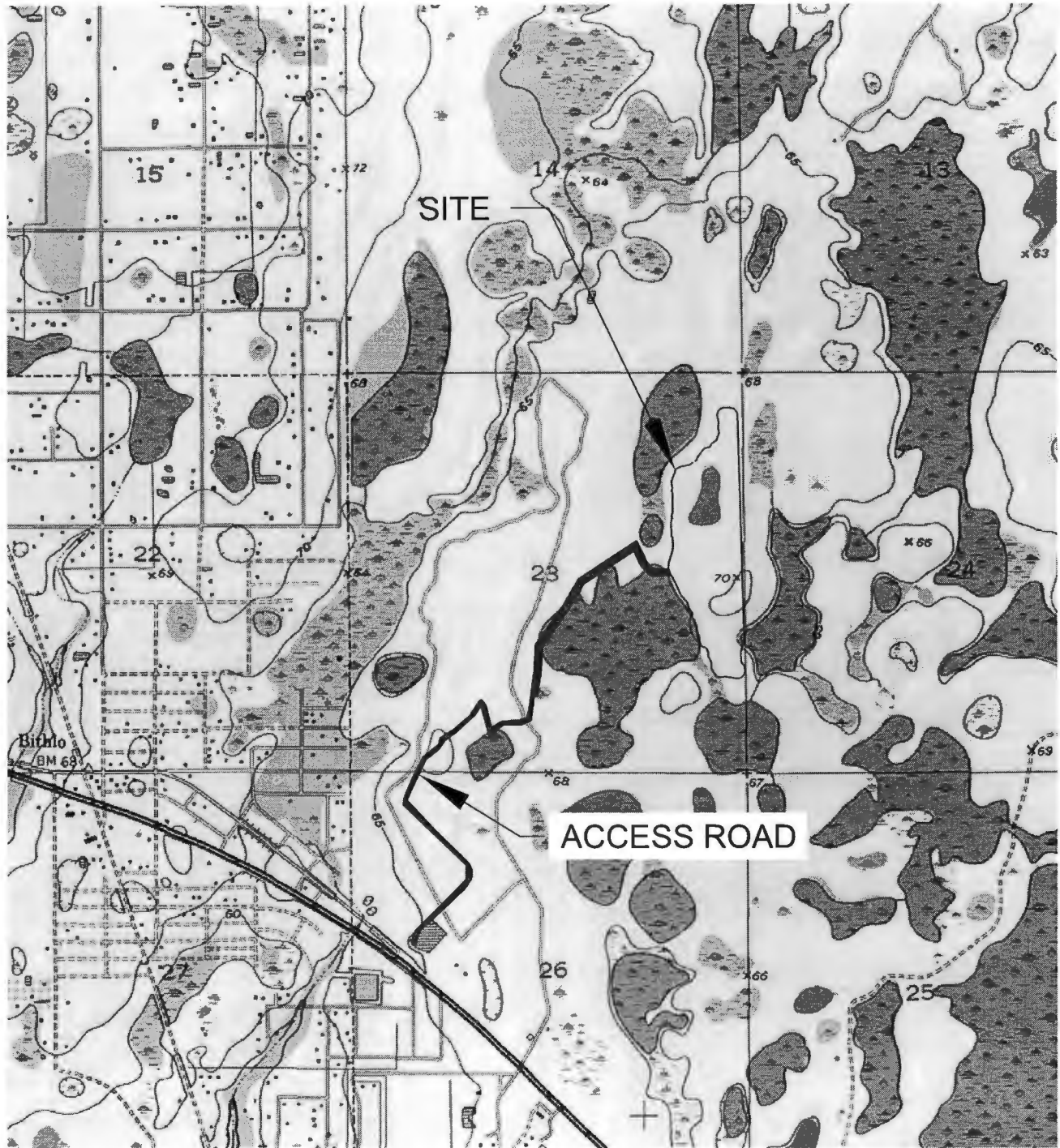


Glenn Semanisin, P.E.
Senior Engineer



cc: Vic McCall, B&B, Anna Long, Dean Mead, OCPW

Figures



GROVE
SCIENTIFIC & ENGINEERING

CA. LICENSE N°. 7902
6140 Edgewater Dr., Suite F
ORLANDO, FL 32810
P: 407 298-2282

USGS TOPOGRAPHIC MAP
YARD TRASH PROCESSING FACILITY
BISHOP AND BUTTREY, INC.

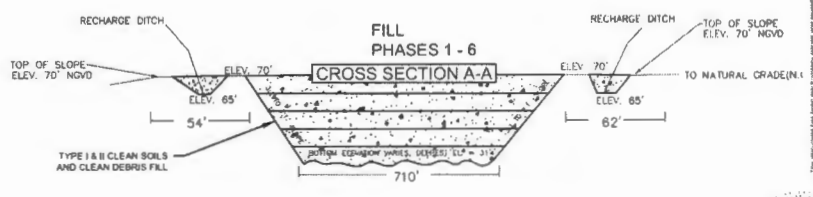
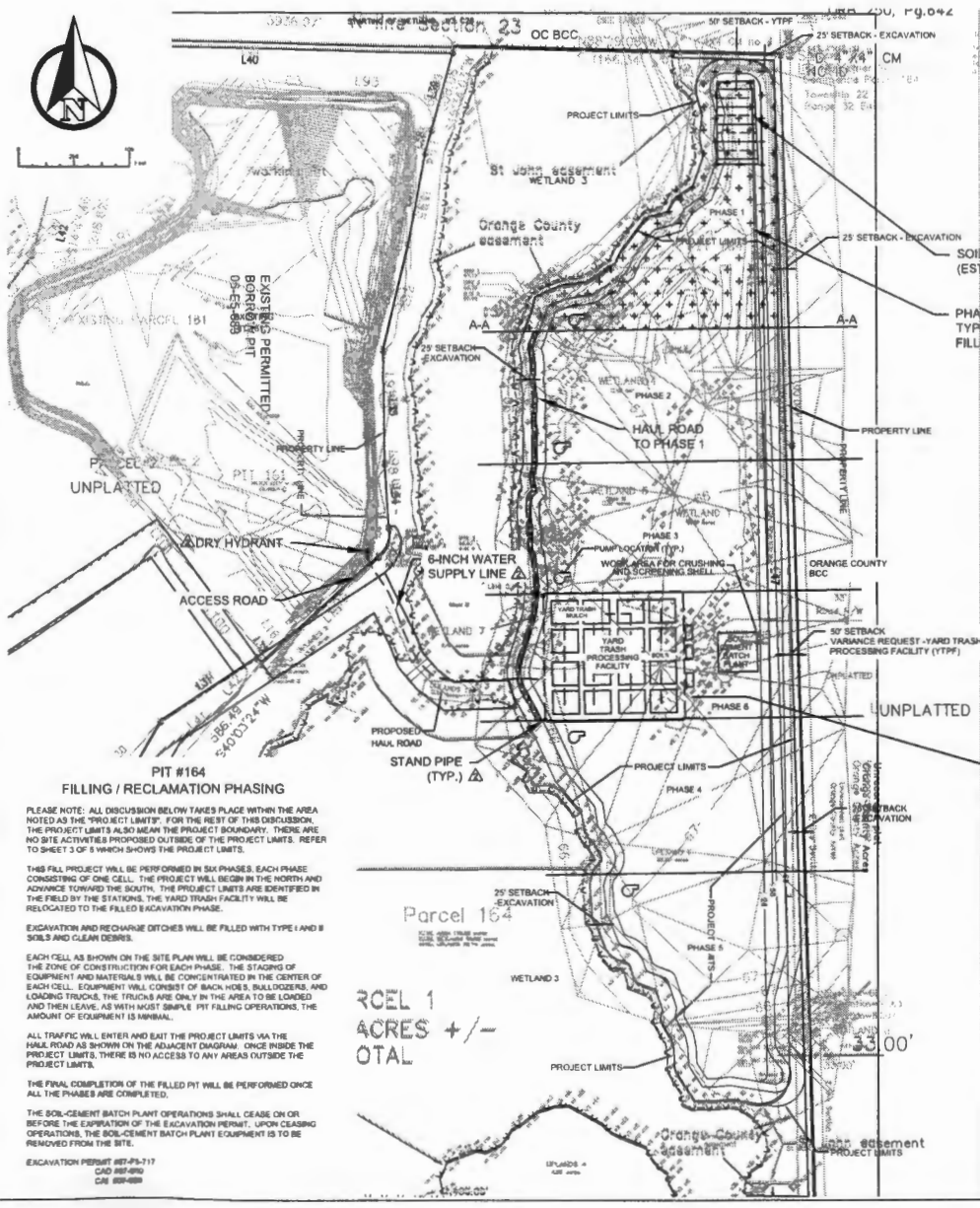
18993 OLD CHENEY ROAD, BITHLO FLORIDA 32820

PROJECT #

291430

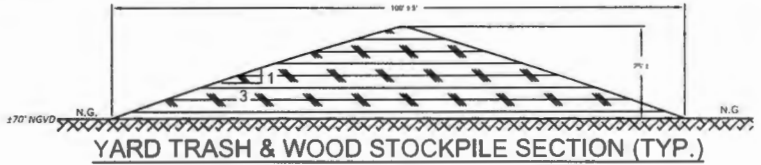
FIGURE

1



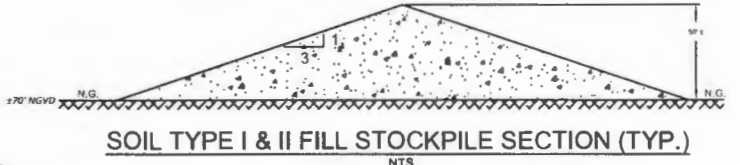
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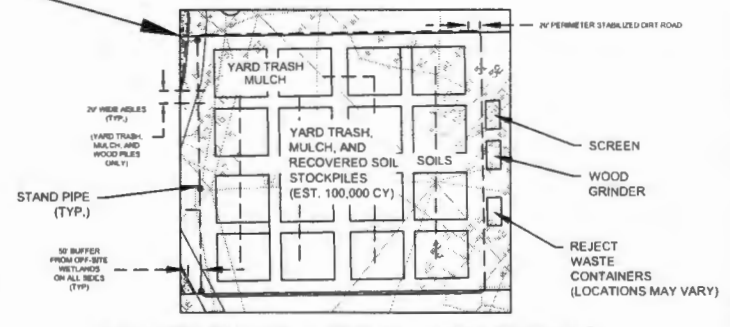


YARD TRASH & WOOD STOCKPILE SECTION (TYP.)

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SOIL TYPE I & II FILL STOCKPILE SECTION (TYP.)



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EXCAVATION PERMIT 187-19-217
CAD 187-19-217
CDE 187-19-217

**CELL 1
ACRES +/-
OTAL**

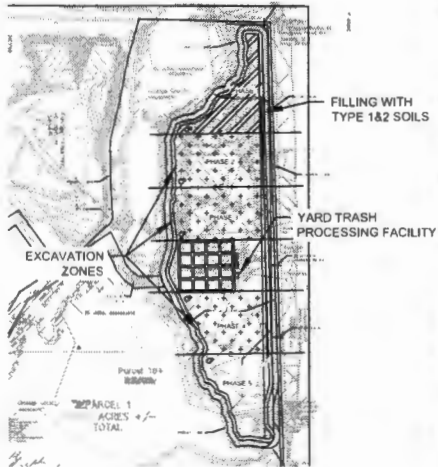


DATE: 02/20/19
BY: JG
CHECKED: THM 02/20/19
DATE: 07/2019
CHECKED: OS

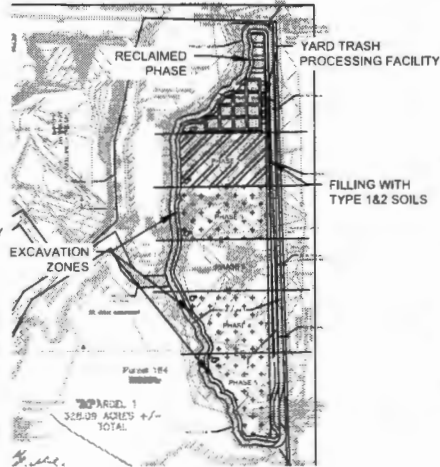
DATE	BY	REVISIONS
4/19	JG	FOR ORANGE COUNTY EXCAVATION PERMITS COMMENTS
5/19	JG	FOR ORANGE COUNTY PERMITS COMMENTS
6/19	JG	FOR ORANGE COUNTY PERMITS COMMENTS
		REVISIONS

SITE PLAN
BISHOP AND BUTTREY, INC.
EAST COLONIAL DRIVE,
BITHLO FLORIDA 32820

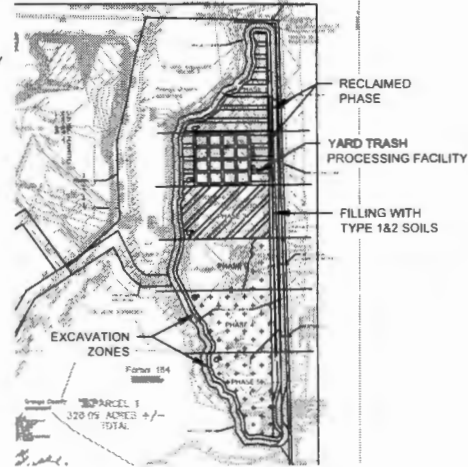
PROJECT NO. 291430
FIGURE 2



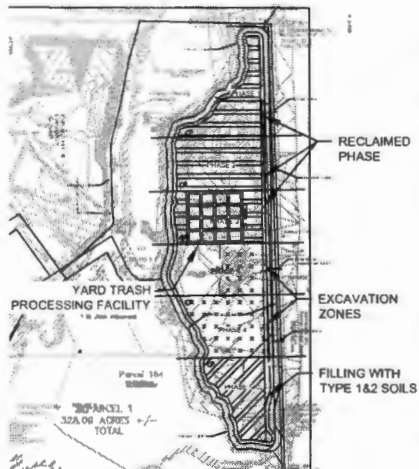
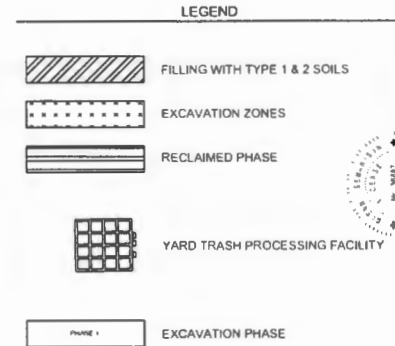
SEQUENCE 1



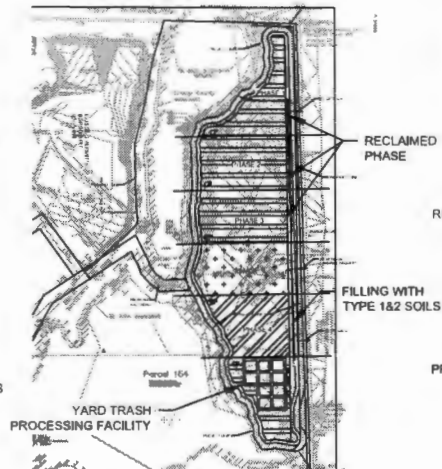
SEQUENCE 2



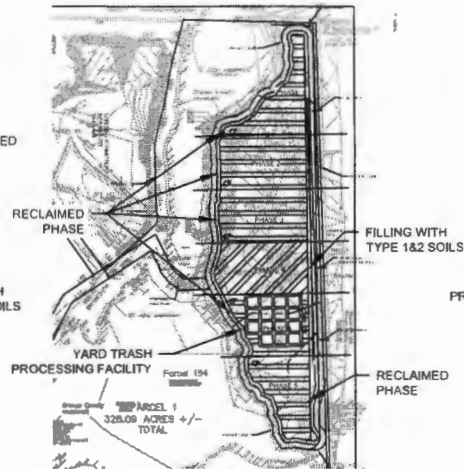
SEQUENCE 3



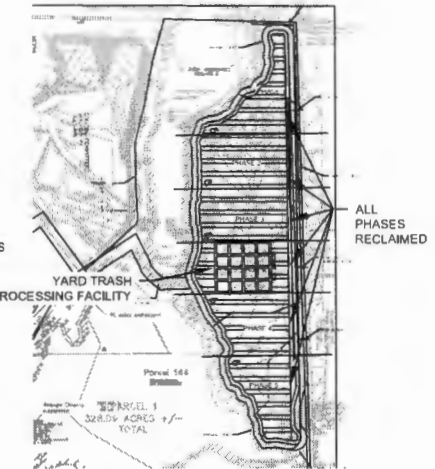
SEQUENCE 4



SEQUENCE 5



SEQUENCE 6



SEQUENCE 7

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 BITHLO, FLORIDA 32820
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DATE: 04/2019
 BY: JTM
 CHECKED: CS
 DESIGNED: DMM
 PROJECT NO.: 291430

DATE	BY	REVISIONS
04/2019	JTM	DESIGNED
04/2019	CS	CHECKED
04/2019	CS	REVISIONS

PROJECT NO. 291430
 SHEET 4A

PIT # 164 SEQUENCING PLAN
 YARD TRASH PROCESSING FACILITY
 BISHOP AND BUTTNEY
 18993 OLD CHENEY HIGHWAY
 BITHLO, FLORIDA 32820

C:\Users\jtm\OneDrive\Documents\291430\Drawings\11X17\PHASING FIGURES(11X17).DWG

Appendix A



BISHOP & BUTTREY

933 Lee Road, Suite 202
Orlando, Florida 32810
407-492-0484

Soil Profile Form

Facility Site Name: _____
Approval Code: _____
Profile#: _____
Delivery Location: _____ Pit # 164

1. Generator Information: Name: _____ Mailing Address: _____ City: _____ State: _____ Zip: _____ Contact: _____ Site Address: _____ City: _____ State: _____ Zip: _____ Site Phone: _____ State ID #: _____	1. Billing Information: Customer Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Billing Contact: _____ Phone: _____ Fax: _____ Email: _____
---	--

3. Soil Source Description:
Project Name: _____
Project Location / Address: _____
Process Generating Soil: _____
Estimated Quantity (cyds): _____
Color: _____ Odor & Strength: _____
Current Land Use: Undisturbed Type Rural Agricultural Commercial Industrial Other _____

4. Soil Composition: (List all haz. And non-haz. Constituents)

_____	-	_____	%
_____	-	_____	%
_____	-	_____	%
_____	-	_____	%

Knowledge is from: Lab Analysis MSDS Process / Generator Knowledge

Soil is not contaminated with chemical constituents that could cause groundwater or surface water quality standard exceedances

Generator Certification: I understand that soils that do not conform to specifications described in the profile may be rejected by Bishop & Buttery. I hereby certify that I have personally examined and am familiar with the above attached description. To the best of my knowledge it is complete and accurate. No deliberate or willful omission of composition or properties exists and all known or suspected hazards have been disclosed.

Name: _____ Title: _____ Firm: _____
Signature: _____ Date: _____