

CH2MHILL TRANSMITTAL

To: Florida Department of
Environmental Protection
Southwest District
13051 N. Telecom Pkwy
Temple Terrace, Florida
33637
816-632-7600

From: CH2M HILL
R.J. Bruner III, PE
3011 SW Williston Road
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Bo.Bruner@ch2m.com

Attn: Solid Waste Division- Nancy Gaskin

Date: December 20, 2010

Re: Modification to Existing Facility

We Are Sending You:

Method of shipment: FedEx

Response to Permit Application Solid Waste Facility

Quantity	Description
4	West Pasco Response to RAI for the Permit Application for Solid Waste System Upgrade

If the material received is not as listed, please notify us at once.

Remarks:

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Dept. of Environmental
Protection
DEC 21 2010
Southwest District



3011 S.W. Williston Road
Gainesville, Florida 32608-3964
Tel (352) 335-7991

December 20, 2010

Nancy Gaskin
Solid Waste Section
FDEP South West District
13051 N. Telecom Parkway
Temple Terrace, FL 33637

Subject: West Pasco County Class III Landfill, Pasco County
Pending Permit Modification No.: 26254-002/IM to
Existing Permit No.: 26445-001-SO/T3
WACS Id No.: 45920

Dept. of Environmental
Protection
DEC 21 2010
Southwest District

Dear Ms. Gaskin:

This letter is a response to the department's first request for information dated July 15, 2010 regarding the above mentioned subject matter. Items that have been revised are the only items that are included in this package.

General:

1. The requested information and comments below do not repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page drawing detail number, etc. where the information has been presented in the original submittal.

Response to Comment 1. – Acknowledged.

2. Please Submit **4 copies** of all requested information. Please specify if the revised information is intended to supplement, or replace, previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be underlined (underlined) or a similar notation method may be used. This format will expedite the review process. Please include the revision date on all revised pages.

Response to Comment 2. – Acknowledged.

3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same

numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, ect.

Response to Comment 3. – Acknowledged.

Documents to be replaced;

Table of Contents - Page 2 Attachments

Section 2, Additional Information (62-701,FAC)- Page 2-2

Attachment F - Operations Plan & Citizen Drop Off Operations Plan

Documents revised;

Attachment C, Construction Drawing sheet 05-C-104

New Documents;

Attachment H - Copy of Environmental Resource Permit

Attachment I - Citizen Drop Off Layout

4. Please be advised that although some comments do not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate. **Please be reminded that all calculations must be signed and sealed by the registered professional engineer (or geologist as appropriate) who prepared them.**

Response to Comment 3. – Acknowledged.

Solid Waste Class III Landfill Application for Intermediate Modification

1. Operations Plan, Rules 62-701.320(7)(e) and 62-701.50(2), F.A.C.
 - a. When compared to the currently permitted Landfill Operations Plan for West Pasco Class III Landfill (revised June 2008, prepared by CDM) the proposed operations plan lacks the most recent revisions made to the current permitted Operations Plan.

As previously requested, please provide a **current** facility Operation Plan including revisions which reflect all changes operational procedures and referenced documents, resulting from the construction improvements proposed in this application. Please provide revise attachments for the facility Operations Plan and revise all references to these figures.

Response to Comment 1. – Current facility Operations Plan is included with revisions see Attachment F, Operations Plan.

2. Application form, Rule 62-701.320 (5) (a) & (7) (b), F.A.C.
a. **Item A.6. No additional information is requested for this item.**

Response to Comment 2.a – Acknowledged.

- b. **Item A.7. No additional information is requested for this item.**

Response to Comment 2.b. – Acknowledged.

3. Section 1 Permit Application

- a. **§1.1 No additional information is requested for this item.**

Response to Comment 3.a. – Acknowledged.

- b. **§2.3 No additional information is requested for this item.**

Response to Comment 3.b. – Acknowledged.

- c. **§2.4 No additional information is requested for this item.**

Response to Comment 3.c. – Acknowledged.

- d. **§2.9 A copy of the ERP permit will be provided at issuance.
No additional information is requested for this item.**

A copy of permit is provided see Attachment H, Environment Resource Permit. (FDEP File No. 51-0301502-001)

4. Plans and Drawings, Rules 62-701.320(7) (f), and 62-701.710(2) (b), F.A.C.
Please provide the following additional information and revisions to the plans.

Please provide full sized 22 by 34 inch drawings showing all revisions to replace drawings initially submitted as part of the application package.

- a. **05-C-102. No additional information is requested for this item expect.**

Response to Comment 4.a. – Acknowledged.

- a. **05-C-104.** Please provide the site plan showing the facility configuration included with the Attachment C Construction Drawings referenced in response to this item. (See also Comment #8 below.)

Response to Comment 4.b. – Sheet 05-C-104 has been revised to where recycle box area was called out will be bulky household waste, see Attachment C Construction Drawings

Dept. of Environmental
Protection
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for revision cloud and signed and sealed drawing. Site Plan of facility configuration will include not recyclables initially, there will be space allocated for recycles for future use. This has been revised on Attachment I, Citizen Drop Off Layout and the Attachment F, Citizen Drop Off Operations Plan.

b. 05-C-106. No additional information is requested for this item.

Response to Comment 4.c. – Acknowledged.

c. 50-A-102. No additional information is requested for this item.

Response to Comment 4.d.- Acknowledged.

5. Notice of Application, Rule 62-701.320 (8), F.A.C. No additional information is requested for this item.

Response to Comment 5 – Acknowledged.

6. Cover Page Format, Rule 62-701.320(7) (d), F.A.C. Please provide a revised cover page for the application that is signed and sealed by the project engineer.

Response to Comment 6- Acknowledged.

7. Financial Assurance and Closure cost Estimates, 62-701.630 F.A.C. No additional information is requested for this item.

Response to Comment 7 - Acknowledged.

8. Citizens Drop Off Operations Plan

a. Please clarify all references to a “transfer station” in this operations plan, and revise all appropriate sections.

Response to Comment 8a. – The “transfer station” references within the citizen drop off operations plan is referencing the citizen drop off area. Citizen Drop Off Operations Plan has been revised where “transfer station” is replaced with “citizen drop off area”.

b. §1.1 Facility Description. Please revise this section to specify the total maximum number of waste containers in the CDO; including roll off containers, 6-8CY containers, tanks, drums, and pallets, ect.

Response to Comment 8b. – There will be a maximum of ten 40-cubic yard roll-off containers or stationary compactors for MSW waste, an additional two 40-cubic yard roll-off containers for future recyclables, additional 6-8 CY containers pallets, and drums will be used as needed for future growth. See Attachment I, Citizen Drop Off Layout for

locations. Initially the facility will have four stationary compactors and six 40-cubic yard roll off containers for MSW waste.

- c. **§1.1.2 Recycling Drop-Off Center.** Please revise this section to specify if this section is referencing the existing recycling area or is referencing the recycling area in the proposed CDO. Please revise this section to specify the location of the five bunkers referenced.

Response to Comment 8c. –Section has been revised for future use of recycling drop off. See updated Attachment F Citizen Drop off Operations Plan.

- d. **§1.1.2 Blue Bag Collection Area.** Please revise this section to specify the location of this blue bag 40 CY container in the CDO.

Response to Comment 8d. – Blue Bag collection will not be collected at the CDO. Section has been removed from the CDO Operations Plan.

- e. **§1.1.4 MSW.** Please revise this section to specify the location and number of MSW collection container (s) in the proposed CDO. Facility drawings provided indicate that compactor boxes will be used and if so revise this section accordingly. Please provide information regarding leak prevention and containment for any leachate that may be generated and leak from these compactors. Please revise this section as appropriate.

Response to Comment 8e. – There are ten MSW containers proposed for the CDO. Generation of leachate is minimized due to the canopy coving the area. Any noticeable spills such as leachate from compactors will be cleaned up with absorbent material per the Operations Plan. Minor losses will be managed by the stormwater ponds under the ERP permit.

- f. **§1.3 Contingency Plan.** Please verify the primary emergency coordinator/responsible individual listed and revise this section accordingly.

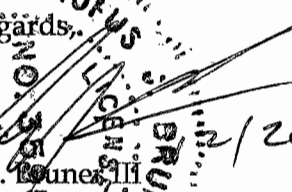
Response to Comment 8f. – Rita Peckenschneider, Solid Waste Operator (352) 521-0500 is the primary emergency coordinator.


- g. **§1.1.3 Operational Interruptions.** Please clarify the reference to a tipping floor in this section. Please specify how liquid will be collected and stored as leachate from the floor of the CDO.

Response to Comment 8g. –Tipping floor was a typographical error. See response to comment 8e. for liquid collected and stored as leachate from the floor of the CDO.

- h. **§1.7 Facility Closure.** The drawings submitted do not show a leachate collection system proposed CDO. Please clarify the references to drains , and leachate and sludge volumes in this section. Alternatively, provide revised drawings as appropriate.

Response to Comment 8h – See response to comment 8e.

Regards,

J. J. Jones III
P.E. 33951
CH2M HILL
352.384.7023
2/20/10



3014 SW Williston Road
Gainesville, FL 32608

Pasco County

**Replacement/Revised/New Pages for the Application for a
Permit to Construct, Operate, Modify or Close a Solid Waste
Management Facility**

**Solid Waste System Upgrade at West Pasco Solid Waste
Management Facility**

Prepared for

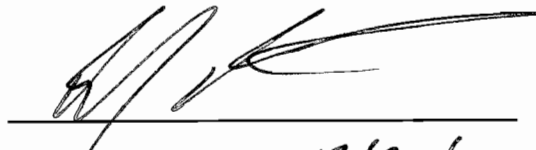
Pasco County Public Works Utilities

by:



3011 SW Williston Road
Gainesville, Florida 32608

Certification of Authorization Number: EB0000072



R.J. Bruner III, P. E.
FL P.E. No. 35951

12/20/10

Date: ~~October 2010~~ December 2010

Replacement

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- B Aerial Regional Map
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- I Citizen Drop Off Layout

Replacement

Section 2, Additional Information 62-701, FAC) – Page 2-2

The following policies apply to the CDO:

Per the West Pasco County Class III Landfill website the current policies that are strictly enforced are as follows:

- The citizen drop-off area is for residential use only. No business or commercial use will be permitted.
- All commercial haulers will be charged \$56.70 per ton for all debris, including scrap metal.
- Only normal household waste that would be placed at the curbside for regular pickup shall be exempt from payment.
- Exceptionally large loads of furniture or other waste (to be determined by the Solid Waste Attendant) will be escorted to the tipping floor of the waste to energy facility and will be charged the going rate, which is currently \$56.70 per ton.
- Mixed loads requiring special handling will be accepted and charged at the going rate, which is currently \$56.70 per ton. (This means solid waste and/or construction debris or other waste that cannot be incinerated.)
- All M.S.W. (garbage) from households must be in a closed container (i.e., bags, boxes, etc.); no charge.
- Furniture (metal not included) may still be placed in the citizen drop-off container. Exception: sleeper sofas will be sent to the Class III Landfill. No M.S.W. will be permitted in the Class III Landfill.
- ~~Special wastes: asbestos \$100.00 per ton; \$100.00 per event.~~
- ~~Construction debris: \$56.70 per ton (\$56.70 per ton is prorated at \$2.83 per 100 pounds).~~
- ~~Car Tires: Ten (10) per day limit, \$1.00 each; semi tires: two (2) per day, \$5.00 each; all large loads will be charged at \$100.00 per ton, prorated.~~
- "Out of County" waste will not be accepted.
- ~~All gas and oil must be removed prior to disposal of engines.~~

For a more detailed description of facility operations, including procedures for start up operations, scheduled (daily and weekend) and unscheduled (due to equipment breakdown, fire and natural disaster, etc.) shut down operations, and safety hazard and control methods refer to the *West Pasco Class III Landfill Operations and Maintenance Manual*.

2.4 Facility Design Requirements

The scale house building will be an enclosed building of approximately 621 square feet. The building will be one-story building with a work area, break area, file storage, restroom, and IT room. The building floor plan is included as Attachment C Construction Drawings Sheet 10-A-102.

All interior spaces for the scale house building will be air conditioned and heated. The heater and air conditioned system will be packaged, rooftop, direct expansion (DX) heat pump, with

Attachment A
Permit Application

No Changes since previously submitted.

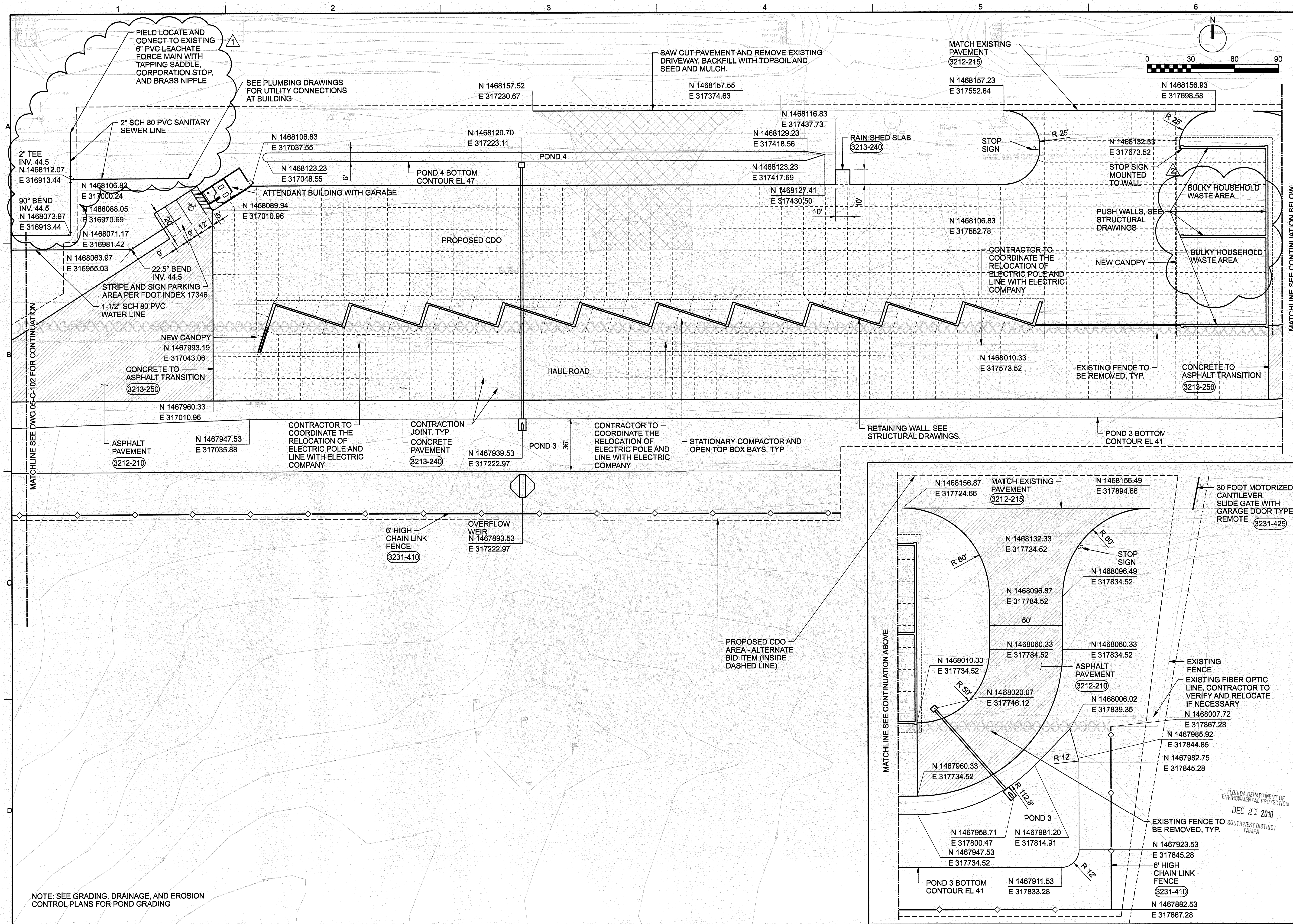
Attachment B
Aerial Regional Map

No Changes since previously submitted.

Revised

Attachment C, Construction Drawing Sheet 05-C-104

Attachment C
Construction Drawings



NOTE: SEE GRADING, DRAINAGE, AND EROSION CONTROL PLANS FOR POND GRADING

NDM SERVER: GNV

FILENAME: dn05C104_378217.dgn PLOT DATE: 12/17/2010

PLOT TIME: 6:54:49 AM

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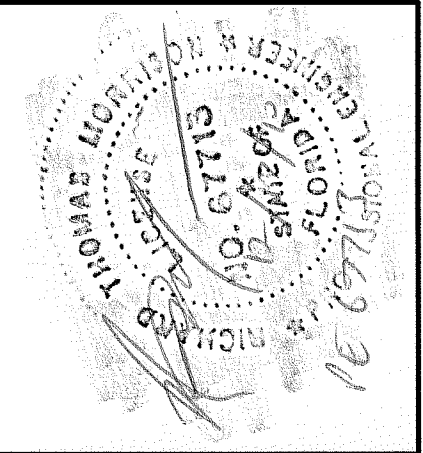
CH2MHILL

WEST PASCO SITE SITE LAYOUT AND UTILITIES PLAN

**SOLID WASTE SYSTEM
UPGRADE DESIGN
PASCO COUNTY
PASCO COUNTY, FLORIDA**

3011 SW WILLISTON RD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

DSGN		NO.	DATE	DR	CHK	APVD	BY	APVD
1	9/20/10			R MORRISON	C KOHLER		RM	RB
2	12/15/10			R MORRISON	C KOHLER			



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Attachment D
Stormwater Report/Geotechnical Report

No Changes since previously submitted.

Attachment E
Permit Fee

Previously submitted May 2010.

Replacement

Attachment F – Operations Plan & Citizen Drop Off Operations Plan

Attachment F
Operations Plan

Pasco County, Florida



Landfill Operations Plan For West Pasco Class III Landfill

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FACILITY BACKGROUND

The landfill addressed in this plan is an integral unit of the Pasco County Solid Waste System ("System"). The System is comprised of a mass-burn resource recovery facility, the West Pasco Class I Landfill, the West Pasco Class III Landfill, the East Pasco Transfer Station and Recycling Center, and the East Pasco Class I Landfill. The Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill are co-located on an 800 acre site. The Resource Recovery Facility and the West Pasco Class I Landfill are permitted under the Florida Electrical Power Plant Siting Act, while the West Pasco Class III Landfill and Recycling Center is permitted separately under Chapters 62-4 and 62-701, FAC.

The Resource Recovery Facility is designed to receive and process 1,050 tons per day of waste generated by residential, commercial, and industrial sources. Three separate combustion units with a capacity of 350 tons per day and a boiler system generate steam for conversion to electrical energy. Emissions controls include dry scrubbers, fabric filter baghouses and carbon injection for mercury control for each combustion unit. The residue ash handling system is completely enclosed. Bottom ash and grate siftings from the combustion units, as well as fly ash and spent scrubber reagent, are collected and quenched. Ash is moved by conveyor through a scalper screen to remove large materials and through a magnetic separator to remove ferrous metal. Processed residue (MSW ash) is loaded into trucks for disposal in an ash monofill disposal unit at the adjacent West Pasco Class I Landfill.

Deliveries are accepted at the Solid Waste Resource Recovery Facility (SWRRF) ten hours each day, Monday through Saturday, except legal holidays. Refuse is delivered to the SWRRF in standard packer vehicles, open body dump trucks, semi truck transfer trailers, and by smaller private vehicles. The waste transferring vehicles pass through an entrance and exit over an automated truck scale system. The scale system is operated by an adjacent scale house with a computerized record keeping system that maintains an accurate accounting of all refuse delivered and ash residue removed from the ash storage building.

All processible waste received is dumped inside the Resource Recovery Facility in a refuse storage pit with the exception of some waste from small private vehicles which are directed to a public drop-off area outside the building. Inside the facility building on the tipping floor, roll-off containers are provided for removing of nonprocessable waste. The County provides a trained spotter on the tipping floor to observe refuse dumping. The spotter has communication links with the scale house and the facility operators to advise them of the delivery of any unacceptable waste.

The entire 800-acre site is enclosed by chain-link and barbed-wire fence to limit access. To further limit access, the Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill and Recycling Center are separated internally by a chain-link and barbed-wire fence to control movement between the units.

1. Operating Personnel Training

The Pasco County Utilities Services Branch (PCUSB), which is responsible for the operations of the landfill, has a pro-active approach to training and certifying all landfill personnel and currently has trained operators who have satisfied the requirements of Chapter 62- 701, F.A.C. Additionally, Pasco County has staff members who have been trained and are certified through or by the TREEO Solid Waste Landfill Operator Short Course and are used as trained spotters at the landfill and elsewhere in the solid waste management system. Copies of course completion certificates are kept on file. The landfill has at least one trained operator at the landfill during all times when the landfill receives waste. At least one trained spotter is at each working face at all times to detect unauthorized wastes when the landfill receives waste.

2. Operations

a. Responsible Operating and Maintenance Personnel

John Power, Solid Waste Facilities Manager
Ronald J. Walker, Solid Waste Superintendent

In addition to the two supervisory employees above, 34 full-time positions are authorized for landfill operations. As of the writing of this plan, all full time employees are trained spotters. At least one of these spotters is located at the working face of the Class III landfill when the landfill is receiving waste.

b. Contingency Operations for Emergencies.

Class III wastes resulting from a natural disaster or other emergency may be stockpiled for later removal. The access road is designed to allow normal operations under adverse conditions. Cooperative lending agreements with other Pasco County departments will be pursued for back-up equipment as necessary.

Emergency Fire Procedures:

- (1) Field staff will contact scale attendant via two-way radio and provide details.
- (2) Scale attendant will contact 9-1- 1, requesting fire company response.
- (3) Scale attendant will notify landfill operator.
- (4) Landfill operator will direct additional equipment and manpower as may be required.

Controllable Fire:

- (1) Field staff will contact scale attendant via two-way radio and provide details.
- (2) Field staff will put out the fire using landfill equipment and soil from an on-site stockpile maintained for the suppression. The stockpile is east of the landfill.
- (3) Scale attendant will contact Landfill Supervisor.
- (4) Landfill supervisor will inspect scene.

Natural Disaster Procedures:

When notice is provided of a pending natural disaster (tornado, hurricane, etc.), the landfill supervisor will direct staff to:

- (1) Check stormwater management system for any blockages at culverts, pipes, etc.
- (2) Check leachate management system levels, pumping units, etc.
- (3) Apply daily cover to working face where appropriate.
- (4) Secure equipment where appropriate.

After the natural disaster has occurred, the landfill supervisor will direct staff to assess damage to and operational status of:

- (1) Access roads.
- (2) Stormwater management system.
- (3) Leachate management system.
- (4) Landfill equipment.
- (5) Disposal units.
- (6) Excess Class III waste shall be stockpiled on the Limestone Pad north of Class III Landfill to segregated wooden material. Class I Waste will only be stored on the lined areas of Class I landfill.

The Landfill Supervisor will report findings to the Solid Waste Manager.

c. Controlling Types of Waste Received at the Landfill

The Class III disposal unit is primarily a construction and demolition (C&D) disposal unit. All incoming material is inspected at the scale house on a daily basis to acquire reasonable assurances that no prohibited wastes are deposited in the cell. Examples of prohibited wastes include Class I wastes, household garbage, medical waste, waste oil, tires, batteries, and/or large metal items. Particular care is addressed to hazardous and medical wastes; should they be detected, arrangements will be made for proper handling and disposal under the direction of the Pasco County Hazardous Waste Manager. Pasco County will not burn any solid waste at this facility. Pasco County will not knowingly dispose any hazardous waste, PCB's, biomedical waste, any special wastes (lead acid batteries, used oil, yard trash, white goods, and whole tires), liquid waste, and oil waste at this facility.

Yard trash and/or lot clearing debris is not accepted for disposal in the Class III unit. Pasco County does not intermingle the County used tire collection program with the Class III Landfill operation.

At least one trained spotter will be located at each working face, in accordance with rule 62-701 .500 (1). Procedures for removal of prohibited wastes are outlined in Section 6 (Entitled "Load Checking Program") of the amended operation plan. In summary of section 6, removal of prohibited wastes is the responsibility of the hauler. Identification of hazardous wastes will be reported to the appropriate regulatory authorities.

Unacceptable waste discovered at Class III will be temporarily stored in a 40 CY container situated near the working face as shown on Figure I. The container shall be emptied at the end of each working day. Any Processible waste is sent to the mass-burn Resource Recovery Facility. Any hazardous waste is sent to household hazardous waste area (as shown on Figure I) for packaging. The packaged waste is

sent to outside contracted company for final disposal and treatment. For biomedical waste, the responsible party shall be contacted to clean up the biomedical waste at their expense. If the responsible party cannot be identified, the Hazardous Waste Department of Pasco County is contacted. The Hazardous Waste Department will arrange with a contract vendor to clean, remove and dispose the biomedical waste. Electronic Waste is stored at the E-waste storage area (Figure 1) for packaging. Oil is collected in similar ways. Both the oil and the electronic waste are packaged and picked up by a County vendor for reprocesses/recycle. Metals are stored in metal storage area (Figure 1) for further processing. Waste tires are transferred to the waste tire processing facility for shredding and then delivered to Wheelabrator for their facility fuel.

d. Weighing Incoming Waste

No waste can enter the site without passing the main entrance scale and/or the Class III disposal unit scale. Loaded vehicles entering the landfill site will be weighed and will be documented prior to unloading. Vehicles with a franchise or commercial license will be weighed at the Class I/Resource Recovery Facility Scalehouse and issued a receipt indicating the weight and payment received. C&D loads will then be redirected to the Class III Landfill. Small vehicles will be charged by the type of vehicle and size of the load.

e. Vehicle Traffic Control and Unloading

Private refuse haulers are not permitted to drive at random into the Class III cell. Individual vehicles and trucks containing C&D waste receive placing directions from the trained spotter at the working face of the cell.

Directional signs are placed to safely direct vehicles to the current waste unloading area. These signs have large, legible letters and are cleaned when necessary. Signs are placed at points so that the route is clear to the drivers. Speed limit, safety, and prohibitive practice signs have been placed as necessary to encourage a safe, clean operating area.

Unloading will be permitted only at designated working faces of the currently operating cell. Haulers are responsible for unloading their own vehicles. A spotter will be present near the active disposal areas to direct vehicles to appropriate off-loading areas and to observe the off-loading process to ensure that unacceptable materials are not part of the delivery.

f. Method and Sequence of Filling Waste

The landfill will be developed using four disposal areas as shown on Figure 1. Each area is approximately 3.5 acres. Disposal cells and their integral liner and leachate collection systems are constructed with permanent roads and swales for access and surface water management.

Cells 1, 2, 3, and 4 have been constructed and are ready for disposal of Class III materials.

The method of filling wastes in an individual cell is as follows:

All incoming Class III materials waste will be directed to the working face. Class III materials will be placed against the side slope of the previous day's deliveries. The first row will act as a berm to provide a guide for the placement of waste for the remaining rows. In each row, cells will be constructed having a minimum length of working face to control the operation and leachate quantities, yet of sufficient length to provide adequate dumping areas and room for the landfill equipment to operate. A maximum slope of 3: 1 on a 75-foot wide working face will provide for centralization of operations, while providing maneuvering area for private and commercial vehicles unloaded each day. See Figure 2 for additional details.

The sequence of filling future lined cell areas with installed leachate collection systems is developed to meet the following objectives:

- Complete subsequent lifts over lower lifts frequent enough to minimize infiltration and conserve the field capacity of the lower lift cell.
- Design landfill slopes during operation to maximize surface run-off away from the working face and minimize leachate generation.
- Provide a bench terrace along side slopes to minimize erosion.

Efficient use of these techniques will reduce the need for intermediate cover and decrease leachate volumes.

Final cover will be applied over cell lifts within 180 days after the final lift over an area is completed, or within the time frame set forth in the closure plan. Final cover will consist of a 40-mil LLDPE and 24-inch of protective soil layer. The top six inches of the protective soil layer will be uncompacted and vegetated with native grasses or other vegetation to promote evapotranspiration.

g. Waste Compaction and Application of Cover

Sufficient cover material will be available from a fill dirt pit to provide a continuous supply of cover through the period of operational site life.

The Class III materials will be placed at the top of the working face, spreading outward in approximately two-foot layers. The Class III materials will be compacted as necessary by a front-end loader or bulldozer and/or landfill compactor. The material types comprising Class III refuse are not always conducive to compaction. Therefore, compaction equipment is not included as required equipment, but is available at the site.

Application of final cover is to be performed in accordance with the closure plan. Six inches of initial cover will be applied to the working face at least once a week. Intermediate cover consisting of one foot of compacted native sandy soil from a private dirt pit will be applied within seven days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion. Any intermediate areas that will not be landfilled or covered with final cover within six months will be seeded or covered with wood chips, straw, or other appropriate cover material to preclude slope erosion.

h. Operations of Gas, Leachate, and Stormwater Controls

See Sections 8, 9, 10 for Gas, Leachate and Stormwater Controls

i. Water Quality Monitoring

Refer to the separate Water Quality Monitoring Plan prepared by CDM dated March 2008.

j. Maintaining and Cleaning Leachate Collection System

Staff from the County's Wastewater Lift Station Maintenance Program inspects the leachate collection holding tanks on a monthly basis. Staff tests the alarms and manually operate the float switches to verify proper operation. In addition, the County will comply with the requirements of the Rule 62-702.500 (8) (h), F.A.C. The leachate collection system was jet-cleaned on October 6, 2006. The copy of this report was included as Attachment 3 to ~~this~~ of the 2008 application.

3. Operating Record

The Operating Record shall consist of all records, reports, analytical results, demonstrations, and notifications required by Chapter 62-70 1, FAC, including the Department-issued permits, engineering drawings (with supporting information), and the landfill operator training verifications required by Chapter 62-70 1, FAC. The record is considered part of the operation plan and is kept at the Pasco County Government Utilities Services Branch office located in New Port Richey. Duplicates of the permit, engineering drawings, and the operating plan are kept on-site at the office of the landfill supervisor.

The Operating Record will be available for inspection at reasonable times by Department personnel.

4. Waste Records

Waste records are kept on file at the Pasco County Utilities Service Branch, Public Works Utilities Building, Suite 213, 7530 Little Road, New Port Richey, of tonnage received and/or compiled monthly and provided to the Department quarterly.

5. Access Control

To prevent unauthorized access to the 800-acre site in West Pasco, the entire site is enclosed with either barbed-wire or chain-link fencing. Interior fencing separates the Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill and Recycling Center. Entrance gates at the Resource Recovery Facility and the West Pasco Class III Landfill are chain-link and are closed and secured during nonworking hours. The primary entrance gate to the Class III Landfill is from Hayes Road.

The landfill supervisor will check or have checked the integrity of the perimeter fencing on a regular basis. The landfill operators will secure the entrance gates at the end of the

operating day. The landfill supervisor will ensure that the existing signs indicating the hours of operation and types of waste accepted are maintained.

6. Load Checking Program

A load checking program has been implemented to detect and discourage attempts to dispose of unauthorized wastes at the West Pasco Class III Landfill.

A minimum of three loads each week shall be closely examined and documented. Attached as Figure 5 is a copy of the Load Inspection Form. Deliveries will be off loaded at a designated location within the landfill for a content inspection. Should unacceptable wastes be found, the facility will contact the generator, hauler, or other party responsible for shipping the waste to the landfill to determine the identity of the waste sources.

Regulated hazardous wastes are not accepted at the West Pasco Class III Landfill. Should suspected hazardous waste be found the following action is taken by Pasco County:

- The Environmental Deputy Sheriff is notified.
- The Pasco County Health Department is notified.
- The hauler is called and requested to report to the site by the Environmental Deputy Sheriff.
- Depending on circumstances, the Environmental Deputy Sheriff may make an arrest.
- Proper disposal of hazardous waste if any is found is required via licensed DOT hauler at hauler/generator's expense.

7. Landfilling Procedures

Waste layer thickness and compact ion frequencies are covered in Section 2 above. Special considerations are made for the first layer of waste placed above the liner and leachate collection system. The first layer of waste placed above the liner and leachate collection system will be four feet in compacted thickness and consist of special selected wastes containing no large, rigid objects that may damage the liner or leachate collection system. The working face of the cell, and side grades above land surface, shall be at a slope no greater than three feet horizontal to one-foot vertical rise. Lift depth should not exceed ten feet but may vary depending on specific operations and daily volume of waste, width of working face, and good safety practices. The West Pasco Class III working face will be only wide enough to accommodate vehicles discharging waste, and to control exposed area and conserve cover material. A temporary berm will be constructed around the working face to minimize the formation of leachate. The temporary berm will be moved as the working face/lift progresses.

Initial cover will be applied to solid waste disposal units in order to minimize any adverse environmental, safety, or health effects such as those resulting from birds, blowing litter, odors, disease vectors, or fires. Initial cover at the solid waste disposal

and it will be applied at the end of each working week. The initial cover will be comprised of soil material and be six inches in compacted thickness.

Intermediate cover, in addition to six-inch initial cover, will be applied and maintained within seven days of disposal unit completion if additional solid waste will not be deposited within 180 days of disposal unit completion. The intermediate cover, when disposal to the initial fill phase and disposal activity is shifted to a new adjacent disposal unit for more than 180 days, will be graded to provide a surface slope and will also be seeded or sodded with grass to further promote run-off and minimize infiltration. When disposal activity is resumed in the disposal unit, the intermediate cover will be pushed aside and stockpiled for use as initial cover for the resumed disposal activity.

Once the solid waste disposal units have been filled to the final grades, final cover will be applied in accordance with the closure plan. Areas of final cover will be seeded with grass or other suitable cover.

Scavenging and salvaging shall not be permitted at the landfill site.

A litter policing operation shall be employed to keep litter from leaving the working area of the landfill. Litter outside the working area shall be picked up by landfill employees within 24 hours.

Grass vegetative cover will be established and maintained on all landfill berm outer slopes, stormwater retention pond outer slopes, and along interior access roads. The Landfill Supervisor or his designee will conduct once a week inspections (twice per week during the wet seasons) and immediately after heavy storms to detect any emerging erosion. Landfill staff will promptly repair detected erosion. The County shall notify the FDEP of any erosion problem expected to not be corrected within 7 days and provide a schedule for its repair.

8. Operation of Leachate Controls

Each disposal unit is separated by a lined berm of 4'0" (plus); there is no liner penetration on the berm liner. Additionally, to prevent leachate contamination or backflow, there is no piping connection between any of the cell units. Leachate flows via gravity to two identical underground storage tanks located adjacent to the disposal units. A detailed sketch of both leachate holding tanks and the four cells showing piping to the holding tanks is attached as Figure 4. From the tanks, leachate is pumped directly to the adjacent Shady Hills Wastewater Treatment Facility.

Pumps serving both leachate holding tanks are automatically activated and deactivated by level switches. The five float-switches are designated as follows:

- a. Low-low level alarm shutoff, to protect pump motors.
- b. Low level shutoff to deactivate pumping cycle.
- c. Activates pumps for pumping cycle.
- d. Float for future use (not used at this time).

e. High-high level alarms (set at approximately 5'0 below the top of leachate holding tank).

At the high-high alarm, the pump system will be repaired and Pasco County will utilize their tanker fleet to pump and haul leachate to a wastewater treatment plant as necessary to prevent overflow. The same procedure will be followed in case of equipment failures.

In the unlikely event of leachate becoming hazardous waste, Pasco County will comply with the state and federal regulations for managing the leachate as a hazardous waste. The leachate would continue to be stored in the on-site tank for less than 30 days but would be transported to a licensed hazardous waste TSDF (Treatment Storage Disposal Facility) instead of to the WWTP.

The leachate holding tanks are metered and recorded in daily logs. In addition, the tanks are sampled and analyzed for the parameters listed at 62-701.510(8)(c) and (d) semi-annually by the Pasco County Environmental Services Laboratory. Rainfall is recorded by visual rain gauges and is recorded on the daily leachate log sheets. The volume of leachate generated and rainfall data is reported to the Florida Department of Environmental Protection quarterly. Results of leachate quality samples are reported to the Department annually.

9. Routine Gas Monitoring Program

Of the Class III Landfill disposal's four units, Unit No.2 is currently in use for acceptance of C&D material. As a Class III facility that disposes primarily of construction and demolition (C&D) material gas generation is expected to be minimal. Nonetheless, Pasco County has implemented a gas monitoring program. The Class III C&D Landfill is situated in excess of 750 feet from all property boundaries, with the closest structure being in excess of 1,000 feet. The scale house and landfill operator's office, the closest structure, will be checked via gas meter quarterly and the results will be reported to the Department. Existing surficial aquifer wells 2MW-7, 2MW-8, and 2MW-10 will be used for conducting quarterly subsurface landfill gas monitoring adjacent to Cells 1 and 2. If the methane gas levels exceed the lower explosive limit specified by the FAC, the operator shall:

- a. Notify his supervisor, who will take measures (if necessary) to protect health and safety.
- b. Submit to the department within seven days a remediation plan. The plan shall describe the nature and extent of the problem and the proposed remedy.
- c. Complete the approved remediation construction within 60 days.

9. Odor Remediation Plan

The facility will be operated to control objectionable odors. If gas concentrations cause objectionable odors beyond the landfill property boundary, the operator shall

- a. Implement a routine odor monitoring program to determine the timing and extent of any off-site odors.
- b. If the monitoring program confirms the existence of objectionable odors, and odor remediation plan will be submitted to the Department for approval. The plan will describe the nature and extent of the problem and the proposed remedy. The remedy will be initiated within 30 days of approval.

10. Landfill Stormwater Management System

The access road encompassing the landfill area and the disposal unit berms are elevated above existing ground elevations to prevent any surface water from entering the waste filled area.

Additionally, a large swale is located at the base of the landfill slope on the interior side of the access road. The swale is designed to receive run-off from the predeveloped and closed-out areas of the landfill.

The bottom of each landfill disposal unit is lined and positioned above the seasonal high water table to prevent any lateral flow into the waste-filled areas in the unlikely event that standing water was to accumulate in the swales. Also, closed-out disposal units will be capped to inhibit vertical infiltration/percolation of rain.

The landfill supervisor will routinely inspect the stormwater management system. Particular attention will be given to inspecting the culverts under the access road for any blockage. The stormwater management system will also be inspected prior to an anticipated natural disaster if sufficient notice is available, and after any natural disaster.

11. Equipment and Operation Requirements

a. Adequate In-Service and Reserve Equipment

Table 1 lists equipment used at the West Pasco County Class III Landfill. Cooperative lending agreements can also be used as a means of procuring additional back-up equipment either from the nearby Class I Facility or the Pasco County Road and Bridge Department:

Table 1

<u>Number</u>	<u>Equipment</u>
1 ^a	Front-end loader
1 ^a	Compactor
1 ^b	Water Truck w/ Spray Boom

1^b Leachate Transport Vehicle

1^b Bulldozer

^a To be permanent on-site equipment

^b To be provided on an as-needed basis from available equipment from the adjacent Class I facility.

b. Reserve Equipment

Arrangements to Obtain Additional Equipment Within 24 Hours of Breakdown

Equipment Failure Procedure:

If equipment fails, the landfill supervisor will be notified so that arrangements can be made for the equipment repair. If the downtime is expected to hinder landfill operations, the landfill supervisor will obtain back-up equipment under established cooperative lending agreements with other solid waste management facilities or other County departments.

c. Communication Equipment

Communication between personnel in the West Pasco Landfill Maintenance Building and the Resource Recovery Facility Scale House, and the West Pasco Class III Scale House and landfill staff operating equipment is maintained by two-way radios and the master communication system maintained for all County departments. Additionally, landfill staff can contact each other by two-way radios. A telephone is available in the scale house office.

d. Dust Control Methods:

Dust control will be performed using a spray truck which will set down unpaved access roads and areas immediately to the working face. Dust masks will also be available to personnel working in excessively dusty areas. The source of water used for dust control is a reclaimed water fire hydrant located on the facility.

e. Fire Protection Capabilities and Procedures

In the event that an uncontrollable fire does occur at the landfill site, the fire department will be contacted immediately. Small fires on the working face will be snuffed by a bulldozer. On-site stockpiles of soil will be available for suppressing fires. Pasco County has 6,000 gallon tanker with spray and 4,000 gallon water truck with directional cannon on site.

A hot load area will be provided by the spotter in a location away from the working face to allow any vehicles arriving at the landfill with a fire in their load to dump quickly in an area where the "hot load" can be controlled and quickly covered with soil. The location of the hot load area will change from time to time with changing working face locations. After fire suppression of the hot load, the load will be disposed as Class I waste.

Emergency Fire Procedures:

In the highly unlikely event that an UNCONTROLLABLE fire does occur at the landfill site:

- (1) Field staff will contact scale attendant via two-way radio, private details.
- (2) Scale attendant will contact 9- 1-1, requesting fire company response.
- (3) Scale attendant will notify landfill operator.
- (4) Landfill operator will direct additional equipment and manpower as may be required.

Controllable Fire:

- (1) See Item (1) above.
- (2) Field staff will put out the fire using landfill equipment and soil from an on-site stockpile maintained for the suppression.
- ~~(3) See Item (1) above.~~
- (3) Landfill supervisor will inspect scene.

f. Litter Control Devices

Litter will be controlled by requiring covering loads, efficient unloading and cover operations, and by routine cleanup as required.

g. Signs, Hour of Operation, and Disposal Restrictions

<u>Sign No.</u>	<u>Size</u>	<u>Wording</u>	<u>Location</u>
1	72"x42"	West Pasco Recycling Center and Class III Landfill operating hours: 07:00 a.m. to 05:00 p.m.	Front Gate
2	36"x18"	14230 Hays Road	Front Gate
3	46"x48"	All vehicles weighed at \$56.70/T	Entry Gate 2
4	46"x18"	No charge, normal household solid waste/garbage	Entry Gate 2
5	48"x24"	Construction debris, demolition Debris, waste tires, yard waste, proceed over the scale	Just before the scale house
6	24"x36"	All vehicles must stop at scale house	Just before the scale house
7	24"x16"	Construction demolition debris	C&D Cell Unit 1
8	24"x30"	Children must stay in vehicle	Leaving the Scale
9	16"x24"	Grass, clippings, leaves	At Cell Unit 1
10	12"x10"	Tank 1	At Tank 1
11	12"x10"	Tank 2	At Tank 2
12	15"x6"	No smoking	At all Leachate Tanks and at Cell 1 and Cell 4

12. All-Weather Access Road

All road providing access to the landfill disposal units are paved with asphalt. These roads include access roads from the Resource Recovery Facility and the West Pasco Class III Landfill and Recycling Center, a perimeter road, and entrance ramps to the constructed disposal units.

13. Record Keeping and Reporting Requirements

Records used for developing permit applications and other supplemental information will be maintained for the design period of the landfill in the Utilities Services Branch files.

Reports required by the permit will be maintained for at least ten years in the Utilities Services Branch files.

Background water quality records will be maintained for the design period of the landfill in the Utilities Services Branch file.

The Utilities Operation and Maintenance Director will submit annually to the Department estimates of other remaining capacity of the constructed and unconstructed permitted waste disposal units. Estimates will be maintained by the Utilities Services Branch files.

A technical report, prepared, signed and sealed by a P.G. or P.E. with experience in hydrogeologic investigations, will be submitted to the Department every two years. The report will summarize and interpret the water quality data and water level measurements collected during the previous two years.

The report will also include tabular and graphical displays of any parameters detected and water level hydrographs for all monitoring wells. The report will further show trends and comparison zones or aquifers, comparisons between upgradients and downgradient wells, correlations between related parameters, and any discussions of erratic and/or poorly correlated data. Groundwater contour maps will be interpreted as to groundwater flow direction and rates. The report will further evaluate the adequacy of the water quality monitoring frequency and sampling locations based upon the site conditions. The report will be signed, dated, and sealed by a P.G. or P.E.

Figure 1 Class III Landfill Site Layout

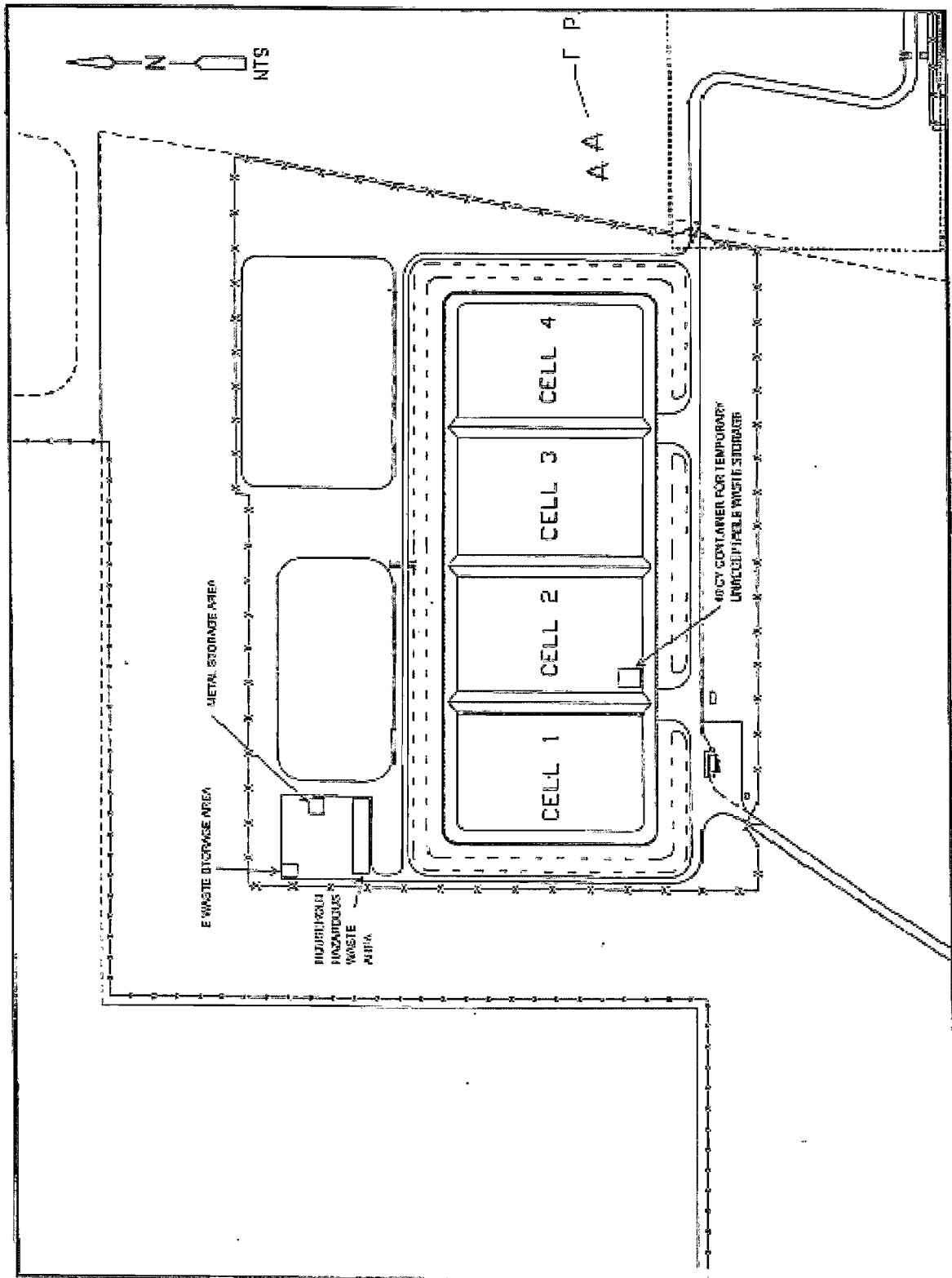


Figure 2 West Pasco County Class III Layout Sequence of Filling

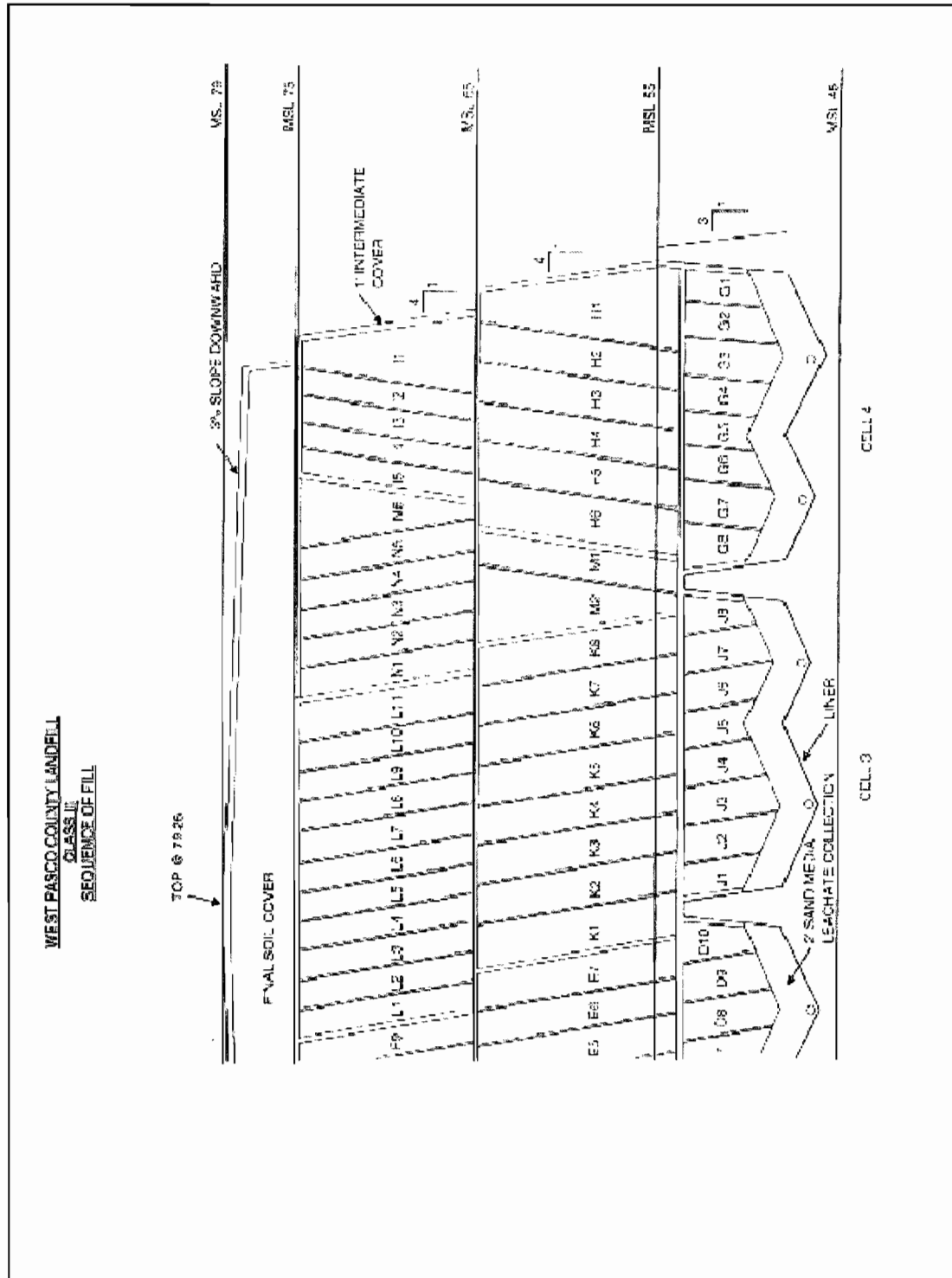


Figure 2 West Pasco County Class III Layout Sequence of Filling

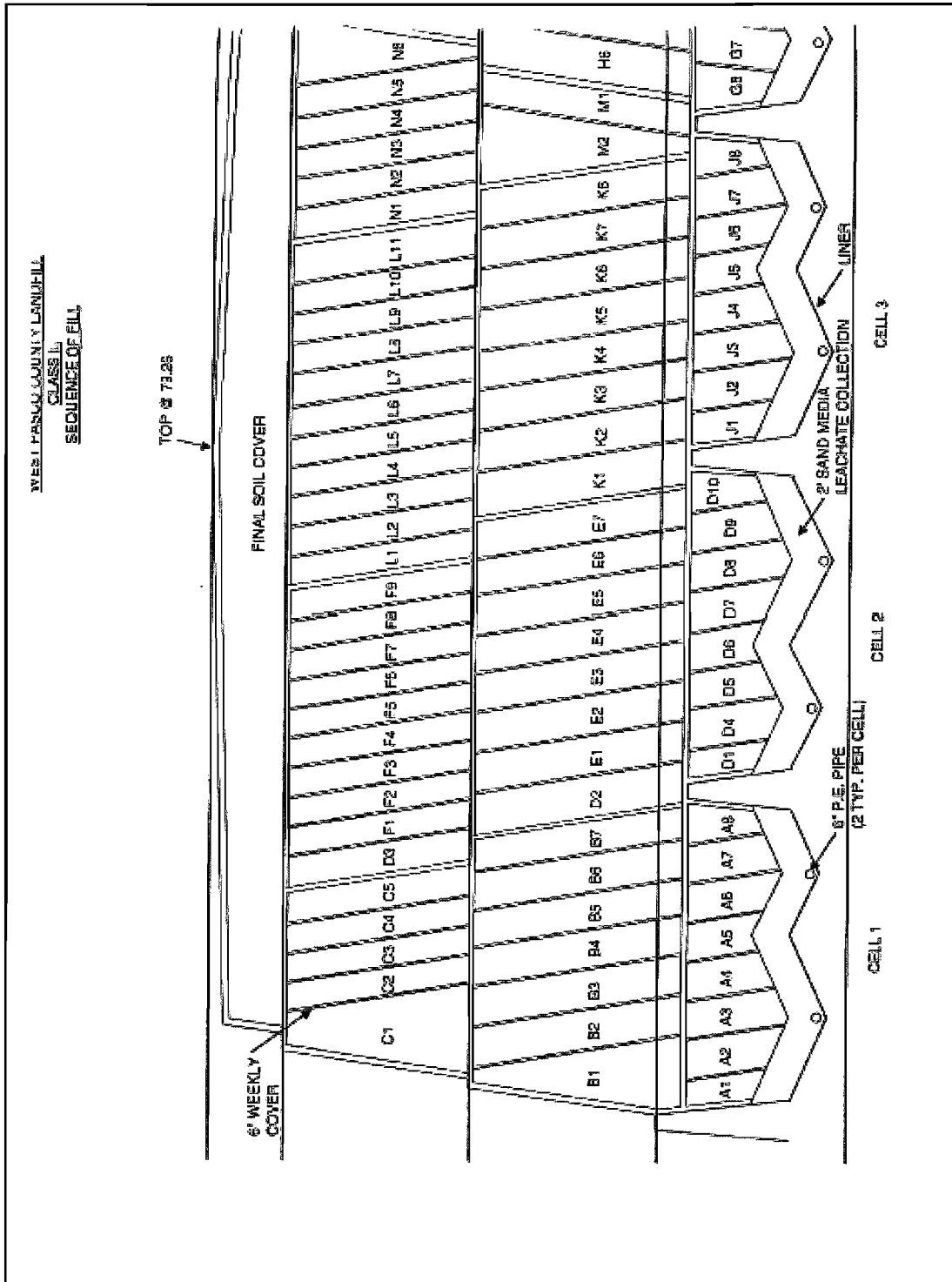


Figure 3 West Pasco County Class III Landfill Leachate Holding Tanks

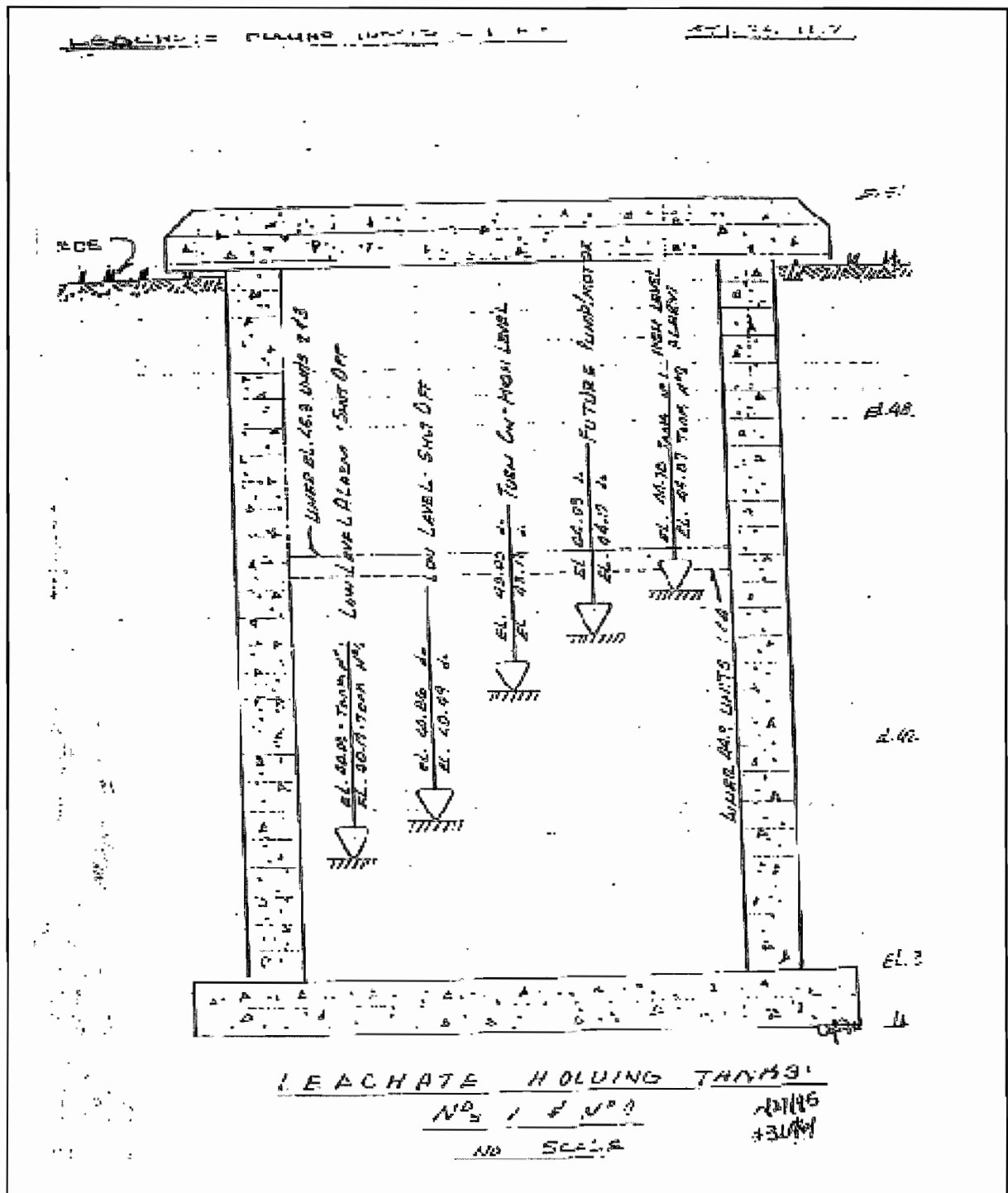


Figure 4 West Pasco County Class III Landfill Liner, Invert, and Tank Elevations

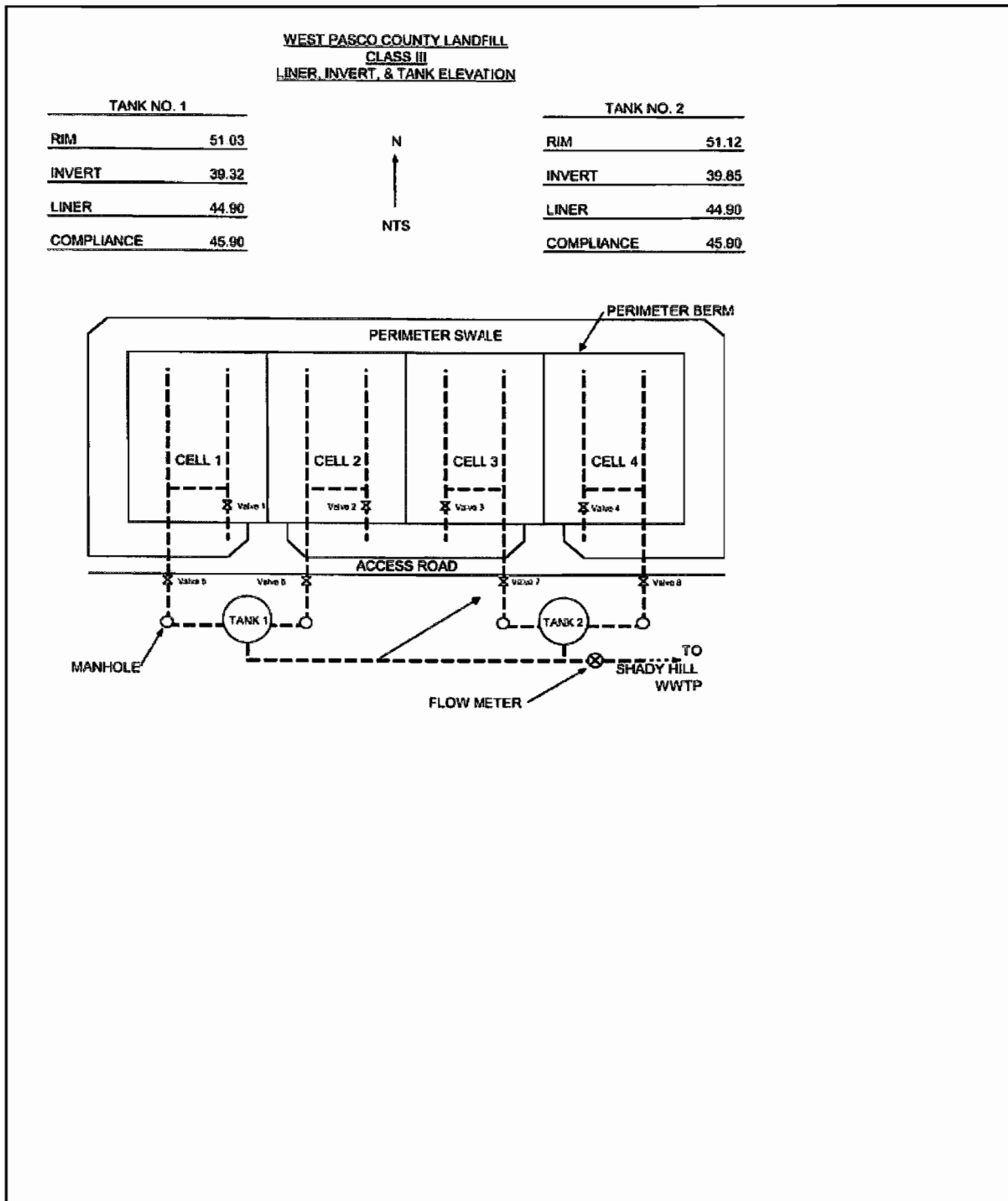


Figure 5 West Pasco County Class III Landfill Waste Screening Report

WASTE SCREENING REPORT	
Waste Hauler Company: _____ Date: _____	
A. <input type="checkbox"/> Acceptable Waste (Do NOT Complete Parts C, D, E)	
B. Type of Vehicle	
<input type="checkbox"/> Drop Box	<input type="checkbox"/> Rear Packer
<input type="checkbox"/> Other	<input type="checkbox"/> Transfer Vehicle

C. Type of Unacceptable Waste	
<input type="checkbox"/> Unburnable Construction Materials	<input type="checkbox"/> Asbestos Wastes
<input type="checkbox"/> Wallboard/Drywall/Gypsum Board	<input type="checkbox"/> Dangerous Materials
<input type="checkbox"/> Oversize Tires/Rim On	<input type="checkbox"/> Tar or Asphalt
<input type="checkbox"/> Other (describe) _____	

D. Description of Unacceptable Waste	
<input type="checkbox"/> Identifying Marks (specify) _____	
<input type="checkbox"/> Number/Quantity of Items _____	
<input type="checkbox"/> Description of Materials (Document with Photos if appropriate) _____	
E. Disposition of Unacceptable Waste (Removal Date: _____)	
<input type="checkbox"/> Returned to Vehicle	
<input type="checkbox"/> Isolated and monitored for removal by hauler	
<input type="checkbox"/> Other (describe): _____	
F. Inspector: Signature _____ Date _____	

Pasco County, Florida



Citizen Drop Off

Operations Plan **For** **West Pasco County Solid Waste** **and** **Resource Recovery Facilities**

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1.1 Facility Description

1.1.1 Description of Loading, Unloading, Storage, and Processing Areas

Waste collection and private vehicles deliver waste directly to the Citizen Drop Off Area (CDO). The location of the CDO is shown on the site plan in Attachment C, Construction Drawings, Sheet 05-C-101, 05-C-104, 05-C-106 and Attachment I, Citizen Drop Off Layout. Vehicles drive into the paved CDO area. The customer would drive onto the scale and a county employee would inspect the load. Depending on the type of load a fee maybe required.

1. The citizen drop-off area is for residential use only. No business or commercial use is permitted.
- ~~2. All commercial haulers will be charged \$56.70 per ton for all debris, including scrap metal.~~
2. Only normal household waste that would be placed at the curbside for regular pickup shall be exempt from payment.
3. Exceptionally large loads of furniture or other waste (to be determined by the Solid Waste Attendant) will be escorted to the ~~tipping floor~~ CDO and will be charged the going rate, which is currently \$56.70 per ton.
4. Mixed loads requiring special handling will be accepted and charged at the going rate, which is currently \$56.70 per ton. (This means solid waste and/or construction debris or other waste that cannot be incinerated.)
5. All municipal solid waste (garbage) from households must be in a closed container (i.e., bags, boxes, etc.); no charge.
6. Furniture (metal not included) may still be placed in the citizen drop-off container. Exception: sleeper sofas will be sent to the Class III Landfill. No municipal solid waste will be permitted in the Class III Landfill.
7. Chemically-treated wood is not allowed in the citizen drop-off area. Other lumber, which is less than four (4) feet in length and six (6) inches in diameter, may be put in the citizen drop-off containers.
8. Chemically-treated wood and lumber in excess of four (4) feet and six (6) inches in diameter will be charged the going rate, which is currently \$56.70 per ton.
9. Yard waste will be charged \$56.70 per ton.
10. All yard waste over four (4) feet in length or greater than six (6) inches in diameter will be charged at the going rate, which is currently \$56.70 per ton.
- ~~11. Special wastes: asbestos \$100.00 per ton; \$100.00 per event.~~
11. Construction debris: \$56.70 per ton (\$56.70 per ton is prorated at \$2.83 per 100 pounds).
- ~~12. Car Tires: Ten (10) per day limit as a result of site limitation, \$1.00 each; semi tires: two (2) per day, \$5.00 each; all large loads will be charged at \$100.00 per ton, prorated.~~
12. "Out of County" waste will not be accepted.
13. All gas and oil must be removed prior to disposal of engines.

All waste processing activities (MSW disposal, tire shredding, wood chipping, etc.) take place at the Pasco County Resource Recovery Facility on Hayes Road in New Port Richey, Florida.

Individuals who refuse to follow the rules and policies of the Pasco County Solid Waste and Resource Recovery Section will be prohibited from the use of this facility.

1.1.2 Recycling-Drop-Off Center

A recycling collection center is open to the public from 7:00 a.m. to 4:30 p.m., Monday through Saturday of each week. The center is staffed by a trained operator who is responsible for assisting citizens with placing recyclable materials in the proper location. The center has one covered 40-cubic yard roll-off container for commingled glass, aluminum cans, steel cans, and plastic containers with recycling codes No.1 and No. 2. A second 40-cubic yard roll-off container is provided for newsprint only. The maximum storage time for special waste is managed is up to seven days and normally special wastes are removed twice a week.

Large or special items that can be recycled are stored in concrete bunkers located northwest of the CDO area. Within this area, white goods and scrap metal are accepted and sold for recycling by County contract. Fluids (freon, gasoline, oil, residual propane, etc) are removed from white goods and special items prior to removal from site. These fluids are managed by the Household Hazardous Waste Collection Center. Also stored within one of the five bunkers are electronic wastes, which are collected for recycling on a periodic, as needed basis.

1.1.3 Blue Bag Collection Area

Recyclable materials blue bags are collected curbside in residential areas and transported to the West Pasco Solid Waste & Resource Recovery Facility for accumulation and shipment to the Pasco County Recycling Facility adjacent to the resource recovery facility. The vehicles enter the CDO area off loading of blue bag recyclables into a 40-cubicyard container for transport to the sorting facility. This container is covered when full, during inclement weather, and at the end of each day.

1.1. 24 MSW

MSW is stored in a covered 40-CY containers for transfer to the transfer station tipping floor at West Pasco Solid Waste & Resource Recovery Facility, which is done at least once a week. Procedure to handle any possible spills in this area is provided in the section 1.3.2.1 Response Procedures to Liquid Spills or Leaks of this Operations Plan. Initially there will be (4) stationary compactors and (6) 40 CY – roll off containers. As resources become available additional compactors may be installed in place of a 40 CY-roll off container.

1.1.3 Bulky Household Waste

Bulky household waste will be stored within the push walls of the CDO located to the eastside of the CDO. These items will be transported to the tipping floor at West Pasco Solid Waste & Resource Recovery Facility. Items that are classified as bulky household items are furniture and carpeting and other items of this nature.

1.1.2 Future Recycling-Drop-Off

There is an area that is reserved between the MSW storage and bulky household waste for future storage of recyclables. At this location 6-8 CY containers, pallets and drums could be stored and used as needed for future growth of the CDO.

1.1.4 Waste Tires/Waste Oil

Collected waste tires are stored in a 40-cubic yard roll-off container for transported to the Tire Processing site at the West Pasco Facility located northwest of the CDO area. Waste tires accumulated at the drop-off center will be removed within seven days of receipt.

1.2 Minimum Design Requirements

The ~~transfer station~~ citizen drop off area meets the minimum design requirements of Rule 62-701.710(3), F.A.C. as follows:

1.2.1 Provisions for Weighing Incoming Materials

All incoming waste collection vehicles stop on the scalehouse to be weighed. The waste unloading area is adequate for the expected quantity of incoming waste material. Wastes are transferred from the waste unloading area to a transfer trailer in the waste loading area as soon as practical. The transfer trailers deliver the wastes to the Pasco County Resource Recovery Facility as soon as they are filled.

1.2.2 Safety Procedures for General Public

All general public entering the ~~transfer station~~ citizen drop off area are informed of safety procedures by the scalehouse attendant upon entering the site at the scalehouse. The public is also directed to remain in their vehicles until they are advised it is safe to get out and unload their vehicles. Children are instructed to remain in the vehicles. In addition, on-site signage directs the general public to various locations around the site. ~~Transfer station p~~ Personnel are available to supervise and assist the general public as required during all hours of operation. The general public is not permitted to use the ~~transfer station~~ citizen drop off area unsupervised.

1.3 Contingency Plan

1.3.1 Operational Interruptions

In the event of an emergency or delay in transporting the wastes including fires, natural disasters, etc, or if the ~~transfer station~~ citizen drop off area is rendered inoperable, the waste collection vehicles will be routed directly to the Pasco County Resource Recovery Facility for disposal, and FDEP will be notified within 24 hours. Other contingency policies in place at the facility are outlined below:

Implementation of the provisions of the facility's operations and contingency plans is the responsibility of the following individuals:

- ~~Rita Peekenschneider, Solid Waste Operator~~
- Ron Walker, Solid Waste Superintendent
- John Power, Solid Waste Facilities Manager

Jointly, although each has individual authority, these individuals will assess the impact of a given incident. Based on the findings, those responsible will take all necessary steps to resolve the situation and notify the proper authorities. The position of "Solid Waste Facilities Manager" reviews the operations plan at least annually. The plan must be revised when:

- Regulations which affect the plan are revised
- The plan fails in an emergency
- The facility physically changes
- The list of Emergency Coordinators changes
- The list of emergency equipment changes

All revisions to the operations plan will be sent to FDEP for approval prior to implementation.

Upon discovery of a hot load the waste unloading area is vacated. The scale house attendant and Emergency Response Coordinator are notified and the Fire Department will be notified. Upon receipt of such load(s) the container will be drenched with the water available on-site using hoses. Most waste containers have a screw nozzle port for connecting to a water hose and the waste is drenched in the container itself. ~~and then dumped on the tipping floor. The floor is cleared of waste in the immediate vicinity of the container with hot load and thus the hot load is isolated.~~ The load is soaked during dumping and it is wetted till the waste is cooled. The liquid from the floor is collected and stored as leachate.

If the hot load is unloaded, the facility personnel shall attempt to contain the fire until the fire department has arrived unless the fire is out of control and is a danger to employees. If this occurs, the facility is to be evacuated. Once the emergency has ended any ponding water shall be collected leachate.

1.3.2 Emergencies

1.3.2.1 Response Procedures to Liquid Spills or Leaks

Upon the discovery of a liquid spills or leaks the employee is to take the following steps to minimize the incident:

1. Apply absorbent material to the spill.
2. Clean and dry the area where the spill occurred, and
3. Lock-out, tag-out equipment (if applicable) until proper corrections can be made.
4. Used absorbent is disposed with the refuse unless it is suspected of being a hazardous waste, in which case the material will be tested. In general, leaks from equipment are limited to oil and hydraulic fluid, which are not hazardous waste. MSDS sheets for the fluid, waste process knowledge, outside labs and other available methods will be used to make a determination of the nature of the leak.
5. The ~~transfer station~~ citizen drop off area does not accept roll-off boxes which typically are likely to have leaking fluids from white goods, used equipment ect.

1.3.2.2 Emergency Response to Fire

Upon discovery of a fire, no matter how small, the scale house attendant is to be notified. An Emergency Response Coordinator is to be notified and will respond to the area.

If a fire occurs, the fire department will be notified. Facility personnel are aware of the location of all fire extinguishers, hoses, and other equipment. Employees should try to contain the fire until the fire department has arrived, unless the fire is out of control and is a danger to employees. If this occurs, the facility is to be evacuated.

1.3.2.3 Arrangements with Emergency Authorities

Both the local police and fire departments are aware of the nature of the operations at the ~~transfer station~~ citizen drop off area.

1.3.2.4 Emergency Response Equipment

The emergency response equipment readily available on-site includes:

- Fire Extinguishers and Hoses
- Absorbent Materials
- Personal Protection Equipment

1.3.2.5 Evacuation Plan

In the event of an evacuation, an announcement will be made over the intercom system and over site radios, and employees should immediately evacuate through the nearest unobstructed exit. Scale house personnel should follow posted evacuation routes.

1.3.2.6 Emergency Coordinators

The nature of the operations enables a ~~transfer station~~ citizen drop off area employee to be on location at all operating times. These individuals have access to a telephone and are in charge of the emergency situations.

The primary individuals responsible for the coordination and evaluation of an emergency situation are listed below. Contact attempts should be made in the order listed below:

- ~~1. Rita Peckenschneider, Solid Waste Operator
(352) 521-0500~~
1. 2. Ron Walker, Solid Waste Superintendent
(727) 856-0119
2. 3. John Power, Solid Waste Facilities Manager
(727) 856-0119

Additionally, FDEP Solid Waste staff shall be notified. Their address and phone number is as follows:

Solid Waste Section
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
(813) 632-7600

1.3.2.7 Responsibilities of the Emergency Coordinator

One of the emergency coordinators is to be available at all times, either at the facility or on call. Upon notification or discovery of an emergency condition, the coordinator will evaluate the situation and notify the appropriate agencies to minimize the incident. In order to properly notify the appropriate agency, the coordinator should gather the following information (after the immediate hazard has been brought under control):

- Name and phone number of the coordinator
- Name and address of the facility
- Date and time of the accident
- Type of accident
- Extent of injuries, if any
- Possible hazards to health or environment outside the facility
- Agencies and names of individuals contacted

After the emergency condition has been controlled, the coordinators are responsible for investigating the incident to assess the damages, determine the cause, and decide what steps need to be taken to prevent a reoccurrence of the incident. After the incident, the coordinators are required to file follow-up reports to appropriate agencies as required by policy, permit, or law.

Clean-up operations are to commence as soon as possible to reduce the exposure to employees and properly dispose of all waste in as expedient a manner as possible. After the cleanup is complete, the coordinator must notify the appropriate state agencies prior to resuming operations.

Prior to resuming operations, all emergency equipment will be checked to ensure it is clean and ready for use. After the investigations are complete and corrective action has been identified, an emergency coordinator shall hold a meeting with the employees to train them on proper operating procedures to reduce the possibility of a recurrence of the accident.

1.3.2.8 Agencies to be Notified

In the event of an emergency such as fire, large spills, sudden release of contaminated materials, or explosion, the following shall be notified immediately, if applicable:

Pasco County Fire Department (727) 782-4987

Tampa Electric Company (352) 567-5645

FDEP Solid Waste Staff (813) 632-7600

IMMEDIATE EMERGENCY SERVICE 9-1-1

1.4 Record Keeping

Operational records are processed through the administrative office located at the scale house. All incoming waste loads are weighed at the scale prior to delivery to the ~~transfer station~~ citizen drop off area. An attendant at the scale house operates a computerized record system which generates automated logs of daily incoming waste quantities. The operational records, consisting of the quantity of waste received and transported, and the origin of the waste, are compiled on a daily basis and filed at the administrative office on-site and in New Port Richey. These records are available for FDEP inspection, upon request. The files are maintained for a minimum of three years.

1.5 Maximum Waste Storage Time

Incoming collection vehicles are routed through the CDO area on a first-in, first out basis. The waste from these collection vehicles is unloaded directly into the appropriate containers. This waste is loaded in to transfer trailers and transported to the Pasco County Resource Recovery Facility as soon as each transfer trailer is filled and a driver is available. At the end of the working day, if the waste is insufficient to fill a transfer trailer, it is stored in the containers overnight. This waste is loaded onto a transfer trailer on the morning of the next workday, within 24 hours. The maximum storage time for any waste at the facility is seven (7) days.

1.6 Vector/Odor Control

Control of odors is maintained by limiting the amount of waste stored on-site. Site roads are periodically maintained for site cleanliness with street sweepers and manual collection of debris on a daily basis as needed. The combination of large building openings and large floor openings aids in producing natural air movement in the waste unloading area. The effect is a continual dilution of any offensive odors. The

grounds are continually monitored for loose litter that is removed immediately (within 24 hours) if found. Odor inspections are conducted twice in a day and a log is kept at the facility. In the event an odor is detected, the County sprays disinfectant and vents the area using an exhaust fan. County practices constant load in g of waste combined with frequent cleaning and disinfecting the area to control odor. The waste transferred through this facility is handled on a first in, first out basis.

1.7 Facility Closure

Closure of the facility is not anticipated anytime in the near future. However, should Pasco County decide to formally close the facility, the County will notify the Department in writing and specify a closing date. No waste will be accepted at the facility after the specified dosing date.

The closure procedure consists of the following:

- Transfer authorized waste to loading areas for removal off-site. Clean the recently used empty containers at unloading areas with on-site water and collect leachate with existing drain system. Record waste quantity transferred before shut-down.
- Wash down all areas, which drain to the leachate collection system with existing hoses. Record leachate and sludge volumes.
- Lockout and tag-out the facility, buildings, and equipment.

Within 30 days after receiving the final solid waste shipment, Pasco County will remove and dispose of all solid waste and residue at the Pasco County Resource Recovery Facility or other approved disposal location. Any putrescible waste will be removed within 48 hours. Closure will be completed within 180 days of receiving the final waste shipment. Closure will include removal of all recyclables from the site within 30 days of receiving the final waste delivery. Once closure is completed, Pasco County will certify to the Department that closure is complete.

Attachment G
Notice of Application

No Changes since previously submitted.

New

Attachment H – Copy of Environmental Resource Permit

Attachment H
Environmental Resource Permit



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

NOV 12 2010

Pasco County
Utilities Services Branch
Public Works, Utility Bldg., S-213
c/o Mr. John Power
7530 Little Road
New Port Richey, FL, 34654-5598

Dear Mr. Power:

Enclosed is the Environmental Resource Permit, DEP Project No. 51-0301502-001, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions, which must be met when authorized activities are undertaken.

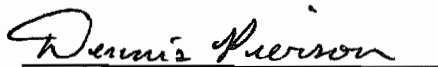
You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general conditions and specific conditions contained herein.

Please be aware of permit specific condition number 4 which states: "Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee (or authorized agent) and the contractor shall schedule and attend a pre-construction conference with a representative of the Department's Environmental Resource Management staff."

If you have any questions about this document, please contact me at (813) 632-7600, ext. 470.

Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely,


Dennis Pierson
Engineering Specialist
Environmental Resource Management

Enc: Environmental Resource Permit with attachments (30 pages)



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

Permittee/Authorized Entity:

Pasco County
Utilities Services Branch
Public Works, Utility Bldg., S-213
c/o Mr. John Power
7530 Little Road
New Port Richey, FL, 34654-5598

West Pasco County Class III Landfill Improvements

Authorized Agent:

CH2M Hill
c/o Mr. Richard Morrison, Associate Engineer
3011 SW Williston Road
Gainesville, FL, 32608-3964

Standard General

Environmental Resource Permit

State-owned Submerged Lands Authorization – Not Applicable

**U.S. Army Corps of Engineers Authorization –
Separate Corps Authorization Required**

Permit No.: 51-0301502-001

Permit Issuance Date: NOV 12 2010

Permit Construction Phase Expiration Date: NOV 12 2015



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

Standard General Environmental Resource Permit

Permittee: Pasco County, Utilities Service Branch

Permit No: 51-0301502-001

Permit Issuance Date: NOV 12, 2010

Permit Construction Phase Expiration Date: NOV 12 2015

AUTHORIZATIONS

Project Description

The permittee is authorized to construct a surface water management system (SWMS) comprised of four dry retention ponds (Ponds 1, 2, 3, and 4) to provide water quality treatment and discharge rate attenuation for new construction at an existing 10.3-acre facility. New construction at the facility will include a scale house, a citizen drop-off area and associated roadwork. Alterations to the existing SWMS for the facility are not authorized. Impacts to wetlands or other surface waters are not proposed or authorized and no activity will take place within the 100-year flood plain. Authorized activities are depicted on the attached exhibits.

The project described above may be conducted only in accordance with the terms, conditions and attachments contained in this permit. The issuance of this permit does not infer, nor guarantee, nor imply that future permits or modifications will be granted by the Department.

State-owned Submerged Lands Authorization

As staff to the Board of Trustees, the Department has reviewed the activity described above and has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, Florida Statutes.

Federal Authorization

A copy of this permit has been sent to the U.S. Army Corps of Engineers (USACE). The USACE may require a separate permit. Failure to obtain any required federal permits prior to construction could subject you to enforcement action by that agency.

Coastal Zone Management

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

Water Quality Certification

This permit constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

Other Authorizations

You are advised that authorizations or permits for this project may be required by other federal, state or local entities including but not limited to local governments and homeowner's associations. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

PROJECT LOCATION

The activities authorized by this permit are located at the West Pasco Landfill, 14606 Hays Road, Spring Hill, Florida, 34610-3823, in Section 26, Township 24 South, Range 17 East, in Pasco County.

PERMIT

The activities described herein must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions, and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these conditions and drawings prior to commencing the authorized activities. Failure to comply with these conditions, including any mitigation requirements, shall constitute grounds for revocation of the permit and appropriate enforcement action by the Department.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit as specifically described above.

SPECIFIC CONDITIONS:

1. Submittals required herein (e.g., progress reports, record drawings, etc.) shall be directed to:

Department of Environmental Protection
Southwest District
Environmental Resource Management Program
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Submittals shall include the permittee's name and permit number (51-0301502-001).

2. In the event the permittee files for bankruptcy prior to completion of work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.

PRIOR TO CONSTRUCTION CONDITIONS:

The permittee shall comply with the following conditions prior to commencement of construction.

3. Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee (or authorized agent) and the contractor shall schedule and attend a pre-construction conference with a representative of the Department's Environmental Resource Management staff.
4. Progress reports for the project shall be submitted to the Department beginning April 1, 2011, and shall continue to be submitted quarterly until construction of the permitted project is completed. The cover page shall indicate the permittee's name and permit number 51-0301502-001. Progress reports must be submitted to the Department even if there is no ongoing construction. Reports shall include the current project status and the construction schedule for the following three months. The report shall include the following information:
 - a. Date permitted activity was begun; if work has not begun on-site, please indicate.
 - b. Brief description and extent of the work (i.e., site preparation, construction) completed since the previous report or since the permit was issued. Show on copies of the permit drawings those areas where work has been completed.
 - c. Brief description and extent of the work (i.e., site preparation, construction) anticipated in the next three months. Indicate on copies of the permit drawings those areas where it is anticipated that work will be done.
 - d. This report shall include on the first page, just below the title, the certification of the following statement by the individual who supervised preparation of the report: "This report represents a true and accurate description of the activities conducted during the three month period covered by this report."
5. If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project area, the permittee shall cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, shall contact the Florida Department of State, Division of Historical Resources, Review and compliance section, as well as the appropriate permitting agency office. Project activities

shall not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that un-marked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

6. Best management practices for erosion control shall be implemented prior to construction commencement, and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Erosion control methods shall be implemented as depicted in Drawings 05-C-105, 05-C-106, and 05-C-503 of the attached project drawings.

CONSTRUCTION CONDITIONS:

7. The construction staging area shall be located within uplands of the subject property as depicted on Drawing No. 05-C-105 of the attached project drawings. No equipment or material shall be stored in wetlands.
8. Grass seed, or sod shall be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waters of the state and/or adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be established within 60 days of sodding or seeding. Turbidity barriers/erosion control devices shall be removed upon establishment of a substantial vegetative cover.
9. The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during the construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.
10. The authorized stormwater management system shall be completed prior to or simultaneously with associated upland development. Occupation of the site shall be in accordance with General Condition 12.
11. Excavation of the Ponds 1, 2, 3, and 4, and swales, and the construction of the driveway surface gradients and the scale house, are limited to the permitted design specifications as depicted on Drawing Nos. 05-C-501 and 05-C-502 of the attached project drawings. If limestone bedrock is encountered during excavation of the ponds or swales, construction in the affected area shall cease. The permittee must submit a design revision to the Department for review and approval that will demonstrate compliance with Rule 6.4.1.b. of the Southwest Florida Water Management District Environmental Resource Permitting Information Manual, Part B, Basis of Review (B.O.R.) prior to proceeding with construction.

CONSTRUCTION COMPLETION CONDITIONS: (The permittee shall comply with the following conditions prior to the transfer to operation phase.)

12. The permittee shall submit two copies of signed, dated and sealed as-built drawings to the Department for review and approval within 30 days of completion of construction. The as-built drawings shall be based on the Department permitted construction drawings, which should be revised to reflect changes made during construction. Both the original design and constructed elevation must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered surveyor or engineer. *As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition to the "As-built Certification" form, the permittee shall submit the "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" form as required in General Condition #13.*

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Mr. Richard Morrison P.E. #67713, on August 10, 2010:

<u>Plan View/ Cross-Section</u>	<u>Drawing Number</u>
General Site Layout	05-C-101
Site Layout and Utilities Plan	05-C-102
Site Layout and Utilities Plan	05-C-103
Site Layout and Utilities Plan	05-C-104
Grading, Drainage, and Erosion Control Plan	05-C-105
Grading, Drainage, and Erosion Control Plan	05-C-106
Sections	05-C-501
Sections	05-C-502

OPERATING CONDITIONS: (The permittee shall comply with the following conditions for the life of the facility.)

13. The maintenance of the SWMS shall be in accordance with the attached Stormwater System Operation and Maintenance Instructions. It is the responsibility of the permittee to ensure that that the SWMS is functioning as designed.
14. The dry retention Ponds 1, 2, 3, and 4 are each intended to become dry within 72 hours after a rainfall event. A system that is regularly wet shall not be considered in compliance with this permit and possible modifications to the system may be required.
15. The Operation and Maintenance Entity shall perform inspections of the surface water management system beginning 24 months after operation of is authorized and every 24 months thereafter and submit inspection reports in the form required by the Department, FDEP Form # 62-343.900(6), *Inspection Certification*.

END OF SPECIFIC CONDITIONS

GENERAL CONDITIONS:

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction and permanent control measures shall be completed within seven days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the Department as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
5. Department staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the Department as a permit prior to the dewatering event as a permit modification. The permittee is advised that the rules of the Southwest Florida Water Management District state that a water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.

6. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.
7. Off site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operation schedules satisfactory to the Department.
8. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.
9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
 - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
 - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
 - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a written notification of commencement using an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C.) indicating the actual start date and the expected completion date.
12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.), and "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343-900(7), F.A.C.). Additionally, if deviations from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.
14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.
15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the Department until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the Department, if different from the permittee. Until a transfer is approved by the Department pursuant to Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.
16. Should any other regulatory agency require changes to the permitted system, the Department shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.
17. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.
18. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.

19. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
20. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.
22. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of section 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
23. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with Department rules, regulations and conditions of the permits.
24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department and the Florida Department of State, Division of Historical Resources.
25. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

NOTICE OF RIGHTS

This permit is hereby final unless a sufficient petition for an administrative hearing is timely filed under Sections 120.569 and 120.57 of the Florida Statutes (F.S.) as provided below. The procedures for petitioning for a hearing are set forth below.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of

General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Because the administrative hearing process is designed to re-determine final agency action on the application, the filing of a petition for an administrative hearing may result in a modification of the permit or even a denial of the application. If a sufficient petition for an administrative hearing or request for an extension of time to file a petition is timely filed, this permit automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Accordingly, the applicant is advised not to commence construction or other activities under this permit until the deadlines noted below for filing a petition for an administrative hearing, or request for an extension of time has expired.

Under Rule 62-110.106(4), Florida Administrative Code (F.A.C.), a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

In the event that a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Any intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

In accordance with Rule 62-110.106(3) F.A.C., petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing within

the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action; and

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action;

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C. Under Sections 120.569(2)(c) and (d), F.S., a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

This permit constitutes an order of the Department. The applicant has the right to seek judicial review of the order under Section 120.68, F.S., by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department. The applicant, or any party within the meaning of Section 373.114(1)(a), F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1), F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed

with the Secretary of the Commission and served on the Department within 20 days from the date when the final order is filed with the Clerk of the Department.

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



William L. Vorstadt
Program Administrator
Submerged Lands & Environmental
Resource Program

WLV/dp

Attachments:

Commencement notice /62-343.900(3) (1 page)
Annual status report/62-343.900(4) (1 page)
As-built certification/62-343.900(5) (1 page)
Inspection certification/62-343.900(6) (1 page)
Transfer construction to operation phase/ 62-343.900(7) (1 page)
Project Location Map (1 page)
Project Drawings (9 pages)
Operation and Maintenance Instructions (2 pages)

Copies furnished to:

U.S. Army Corps of Engineers
CH2M Hill, c/o Mr. Richard Morrison, Associate Engineer, 3011 SW Williston Road,
Gainesville, FL, 32608-3964
FDEP-SWD, Solid Waste, c/o Ms. Suzan Pelz, P.E., Program Administrator, 13051 North
Telecom Parkway, Temple Terrace, FL 33637-0926
Southwest Florida Water Management District, Sarasota Service Office, 6750 Fruitville Road
Sarasota, FL 34240-9711 (Regarding File of Record #40 3002.000)
File

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit including all copies, were mailed before the close of business on 11/12/10, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

E Robinson 11/12/10
Clerk Date

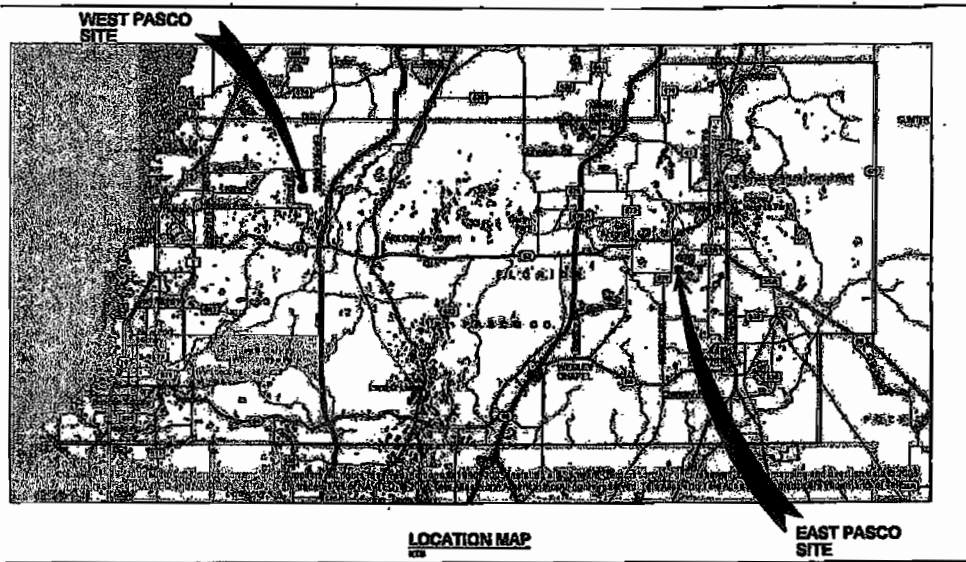
Project Location Map

Project Name: West Pasco County Class III Landfill Improvements

File Name: Pasco Co. Utilities

File Number: 51-0301502-001

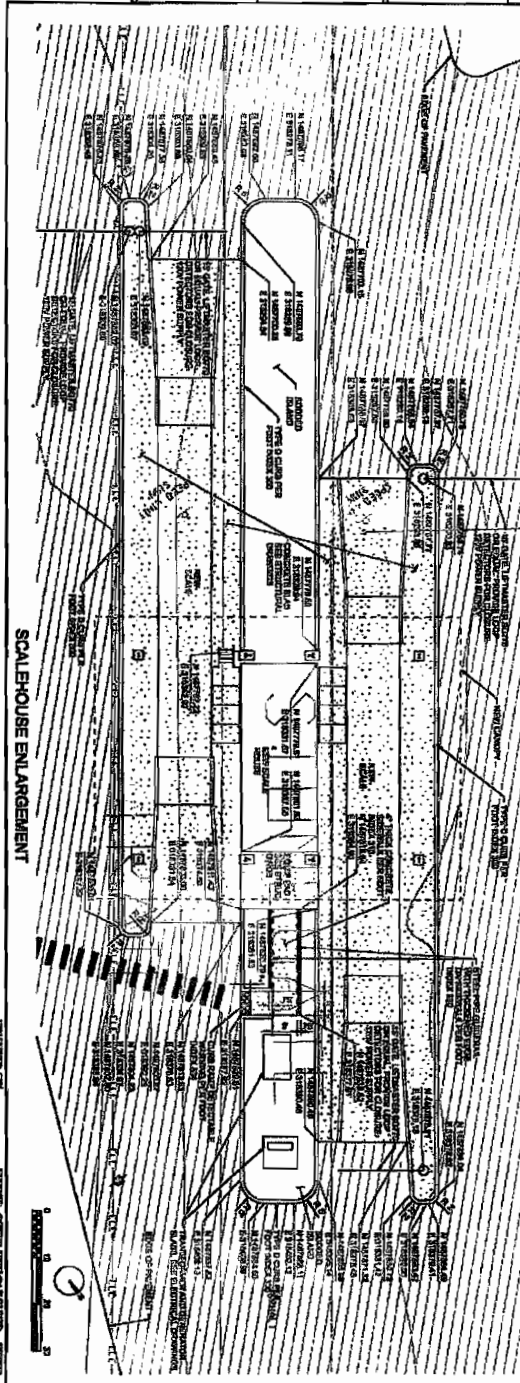
The project is located at the West Pasco County Class III Landfill, 14606 Hays Road, Spring Hill, Florida, 34610-3823, in Section 26, Township 24 South, Range 17 East, in Pasco County.



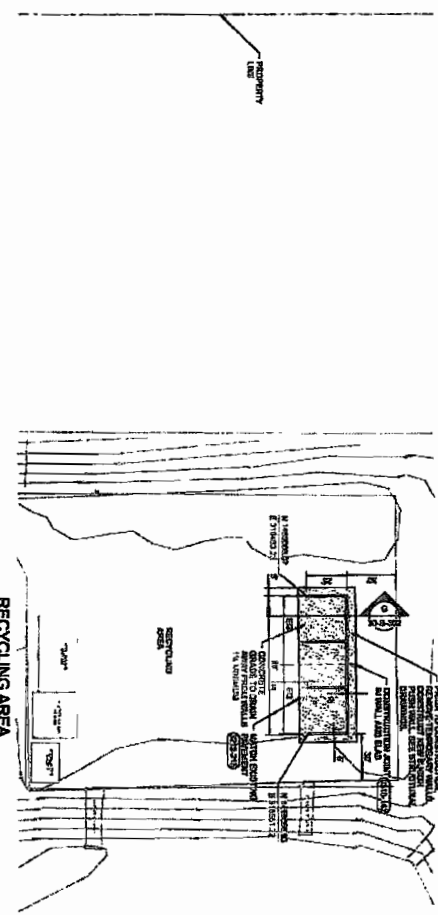
West Pasco Co. Class III Landfill Improvements

Permit No. 51-0301502-001

Page 1 of 1



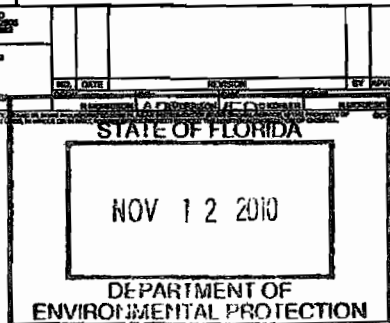
RECYCLING AREA



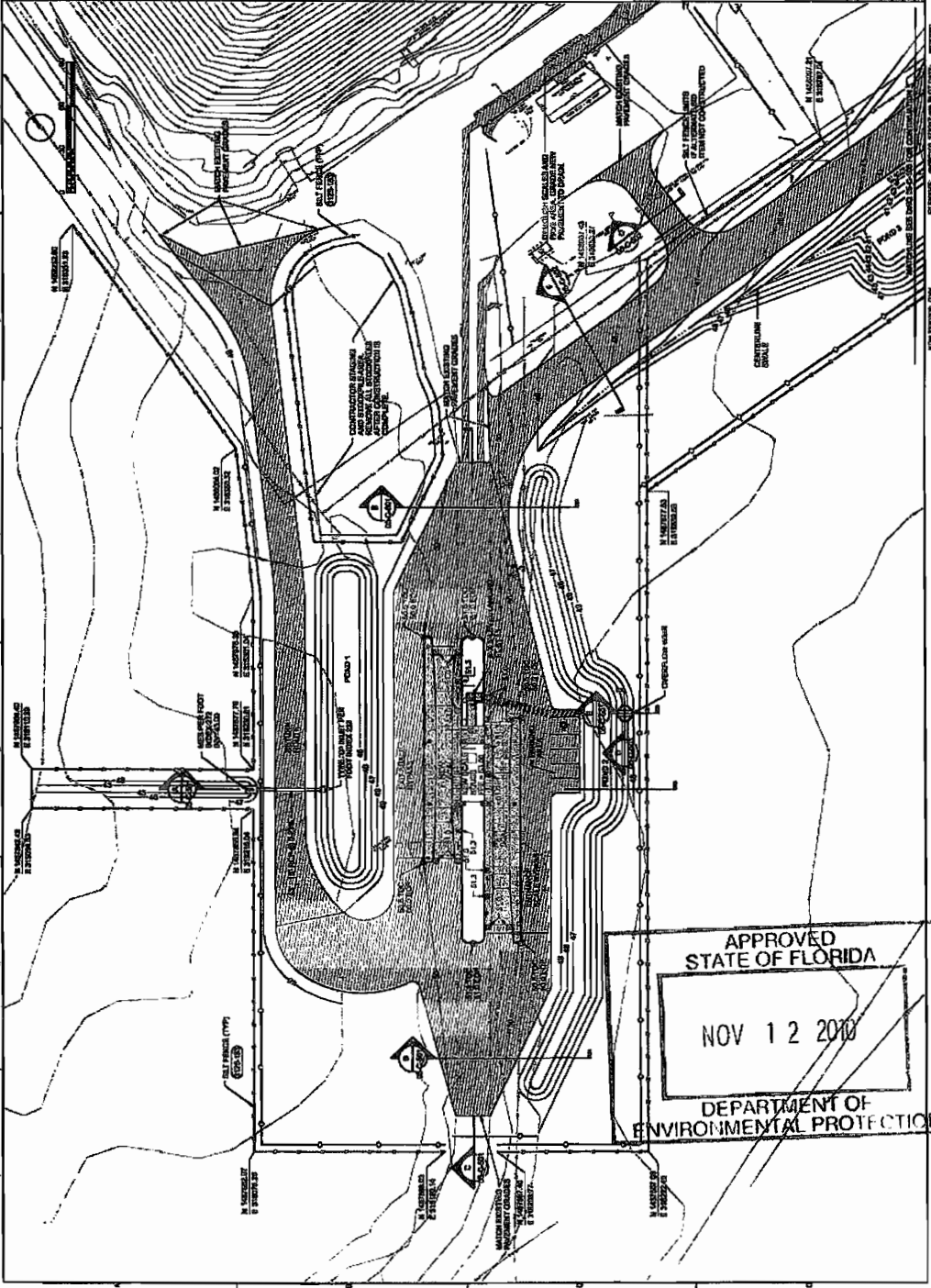
CH2MHILL CIVIL WEST PASCO SITE SITE LAYOUT AND UTILITIES PLAN		SOLID WASTE SYSTEM UPGRADE DESIGN PASCO COUNTY, FLORIDA	APPROVED STATE OF FLORIDA BY: <i>[Signature]</i> DATE: 11/12/10 PROJECT NO: 62713
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NOV 12 2010

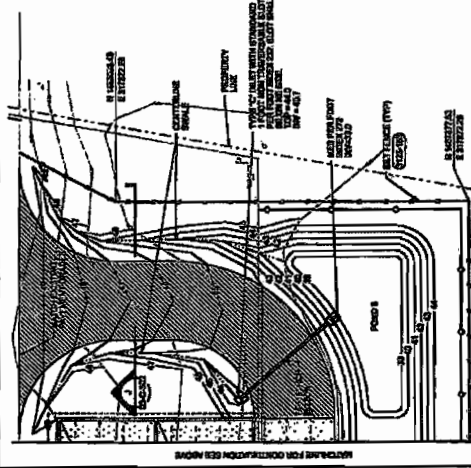
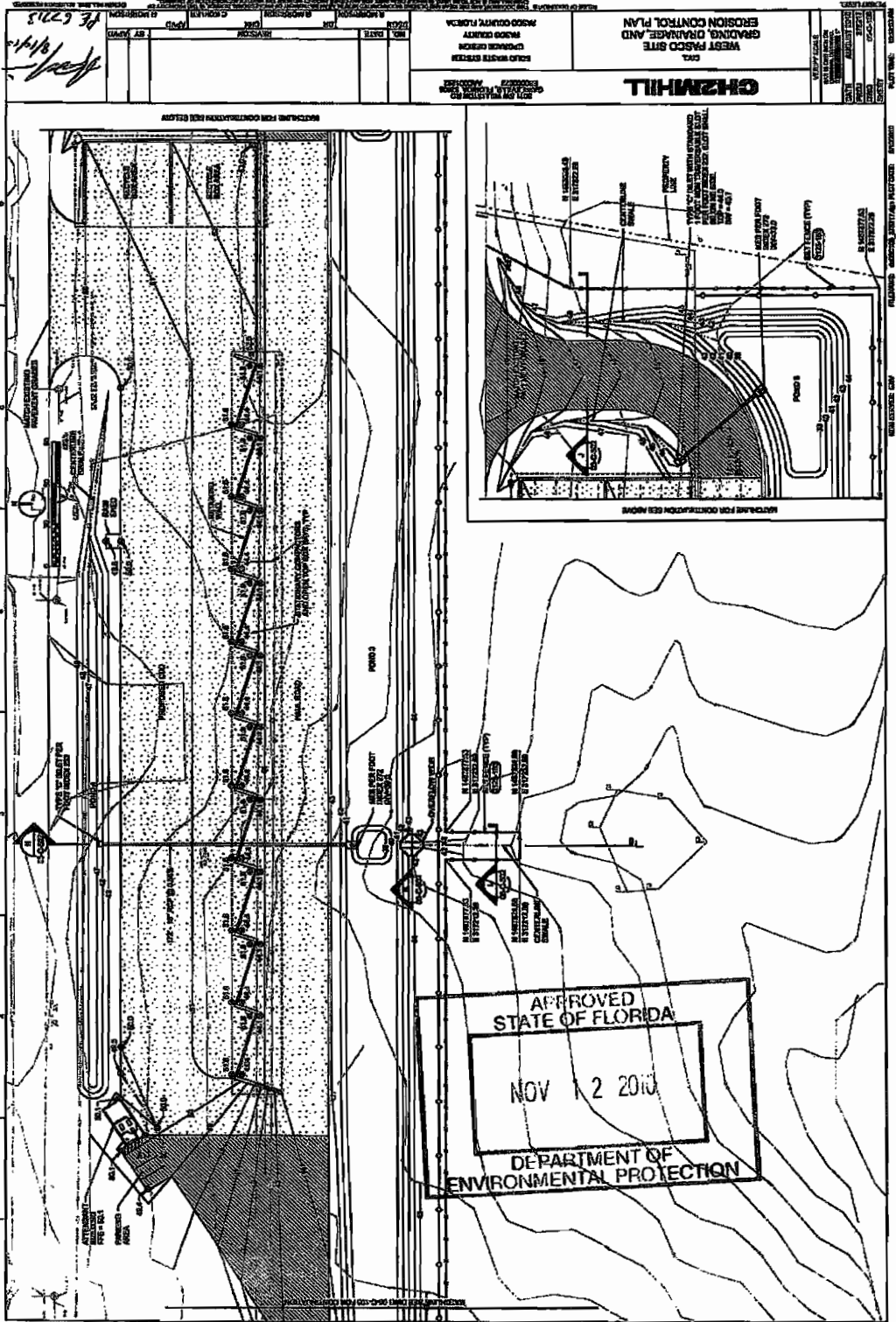
DEPARTMENT OF
ENVIRONMENTAL PROTECTION



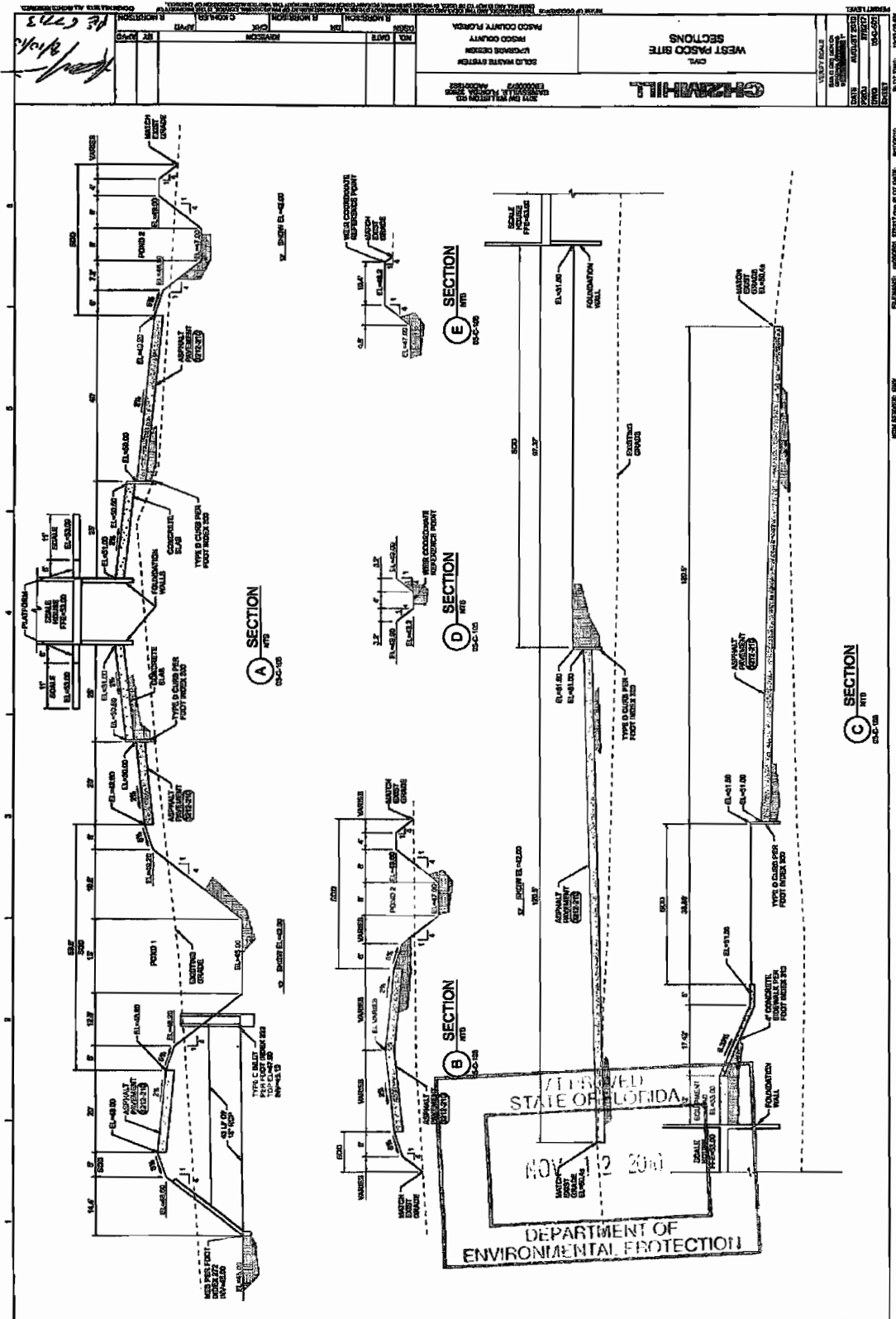
CH2M HILL 2001 CH2M HILL BLVD. BOCA RATON, FL 33433 TEL: 561-990-1000 FAX: 561-990-1001 WWW.CH2MHILL.COM		2010 WEST PASCO SITE EROSION CONTROL PLAN WEST PASCO SITE GRADING, DRAINAGE, AND EROSION CONTROL PLAN CIVIL SCALE: 1" = 40'
DATE: 11/12/2010 DRAWN BY: J. L. BROWN CHECKED BY: J. L. BROWN APPROVED BY: J. L. BROWN PROJECT NO.: 10-00000000	11/12/2010 11/12/2010 11/12/2010 11/12/2010	11/12/2010 11/12/2010 11/12/2010 11/12/2010

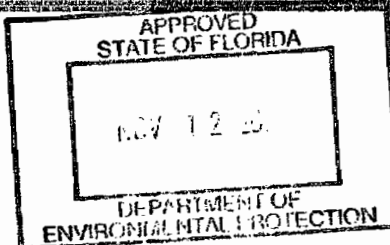


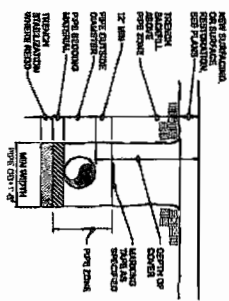
APPROVED
 STATE OF FLORIDA
 NOV 12 2010
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION



CH2MHILL CIVIL ENGINEERING 1001 AVENUE 10 SUITE 100 WEST PALM BEACH, FL 33411 TEL: 561-833-1100 FAX: 561-833-1101 WWW.CH2MHILL.COM		PROJECT NO.: 10-00000000 SHEET NO.: 10-00000000 DATE: 10/1/10 BY: JAV/
CLIENT: WEST PALM BEACH PROJECT: WEST PALM BEACH LOCATION: WEST PALM BEACH COUNTY: PALM BEACH STATE: FLORIDA	PROJECT NO.: 10-00000000 SHEET NO.: 10-00000000 DATE: 10/1/10 BY: JAV/	PROJECT NO.: 10-00000000 SHEET NO.: 10-00000000 DATE: 10/1/10 BY: JAV/

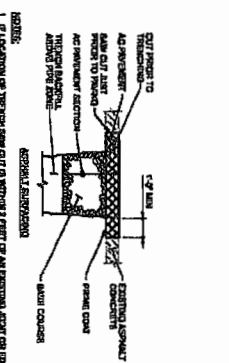






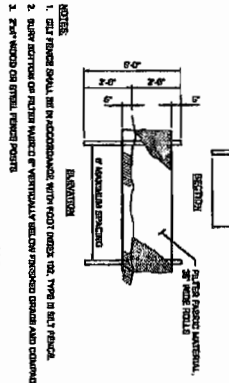
TYPICAL TRENCH

(62-2)



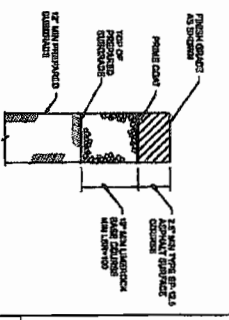
SURFACE RESTORATION

(62-3)



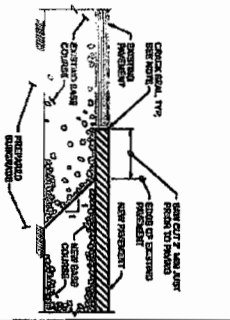
SPLIT FENCE

(62-4)



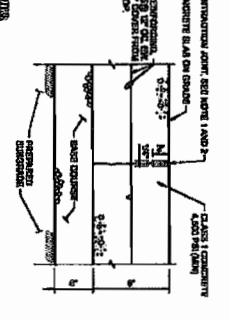
ASPHALT CONCRETE PAVEMENT

(62-5)



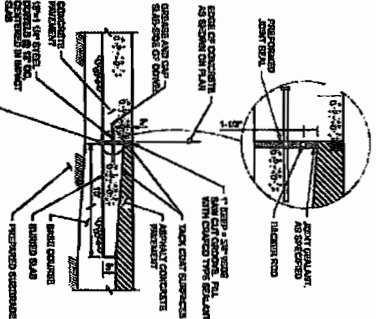
PAVEMENT CONNECTION

(62-6)



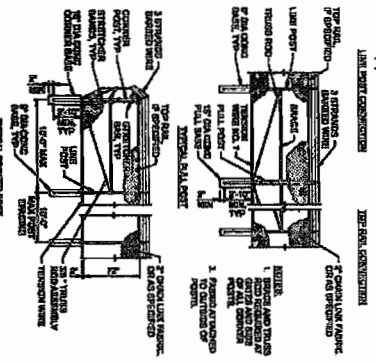
CONCRETE PAVEMENT

(62-7)



CONCRETE TO ASPHALT TRANSITION

(62-8)



CHAIN LINK FENCE

(62-9)

<p>NO. 10.67713</p> <p>PE 67713</p>		<p>DATE: 11/10/10</p> <p>BY: [Signature]</p>
<p>NO. 10.67713</p> <p>PE 67713</p>	<p>DATE: 11/10/10</p> <p>BY: [Signature]</p>	<p>DATE: 11/10/10</p> <p>BY: [Signature]</p>

NOV 12 2010

DEPARTMENT OF ENVIRONMENTAL PROTECTION

**Operation and Maintenance Instructions
for the
West Pasco County Class III Landfill Improvements
Surface Water Management System
Permit No.: 51-0301502-001**

The following normal maintenance items, including cleaning or replacement of the various elements of the system, will be required for the surface water management system to continue to operate as designed.

General Maintenance

1. All surface water management system pipes, inlets, catch basins, manholes, flumes, pond inflow and outfall structures (including oil skimmers), and discharge pipes shall be inspected on a regular basis (monthly or quarterly) and following significant storm events. They shall be maintained by removing built-up debris and vegetation and repairing deteriorating structures.
2. Chemicals, oils, greases or similar wastes are NOT to be disposed of in the surface water management system or through storm sewers. Treatment ponds are designed to treat normal road, parking lot, roof and yard runoff only. Some chemicals may interfere with a treatment pond's functions or kill vegetation and wildlife. Dispose of these potentially dangerous materials properly by taking them to approved recycling facilities or collection locations sponsored by many local governments.

Also, do not dispose of grass clippings in a surface water management system. Grass clippings pose problems by smothering desirable vegetation, clogging outfall structures and, when they decompose, may cause unsightly algae blooms that can kill fish.

3. Accumulated pond sediments may contain heavy metals such as lead, cadmium and mercury, as well as other potentially hazardous materials. Therefore, sediments removed from surface water management system inlets, pipes and ponds shall be disposed of at an approved facility (check with your county Solid Waste Department or the Florida Department of Environmental Protection for disposal facilities approved to accept treatment pond sediment).
4. Avoid causing erosion or siltation to adjacent or off-site areas during any repair or maintenance activity.
5. Alterations (filling, enlarging, etc.) of any part of the surface water management system are not permitted without prior approval from the Department and all other applicable governing agencies.

Dry Retention Pond

1. On a quarterly basis and following a storm event, the entity responsible for maintenance shall inspect the retention pond and outfall structure to ensure that the system is operating properly. If standing water persists longer than 72 hours after a normal summer rain event, or if wetland vegetation such as cattails grows in the retention areas, the surface water management system may be in need of repair. Repairs may be as simple as scarifying or raking the pond bottom, or may consist of removing the bottom sediment (approximately the top foot of soil) and replacing the soil with clean sand.
2. The retention areas shall be kept grassed and mowed frequently enough to prevent thatch buildup. Clippings and debris will be removed after mowing. Limit fertilizer use around the retention areas and do not fertilize the retention area bottoms.
3. Re-sod any of the retention areas (sides or bottom) where grass or sod has been removed or eroded.
4. Notify the Department within 24 hours of observation of sinkhole development within any of the retention areas of the surface water management system. Please reference Permit No. 51-0301502-001.

Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase

(To be completed and submitted by the operating entity)

Florida Department of Environmental Protection

It is requested that Department Permit Number _____ authorizing the construction and operation of a surface water management system for the below mention project be transferred from the construction phase permittee to the operation phase operating entity.

Project:

From: Name:
Address:
City: State: Zip:

To: Name:
Address:
City: State: Zip:

The surface water management facilities are hereby accepted for operation and maintenance in accordance with the engineers certification and as outlined in the restrictive covenants and articles of incorporation for the operating entity. Enclosed is a copy of the document transferring title of the operating entity for the common areas on which the surface water management system is located. Note that if the operating entity has not been previously approved, the applicant should contact the Department staff prior to filing for a permit transfer.

The undersigned hereby agrees that all terms and conditions of the permit and subsequent modifications, if any, have been reviewed, are understood and are hereby accepted. Any proposed modifications shall be applied for and obtained prior to such modification.

Operating Entity:

Name

Title: _____

Telephone: _____

Enclosure

- ☐ copy of recorded transfer of title surface water management system
☐ Copy of plat(s)
☐ Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation.

ENVIRONMENTAL RESOURCE PERMIT Construction Commencement Notice

Project:

Phase:

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit Number _____ has commenced / is expected to commence on _____ and will require a duration of approximately _____ months _____ weeks _____ days to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing in order to satisfy permit conditions.

Permittee or Authorized Agent

Title and Company

Date

Phone

Address

Environmental Resource Permit Annual Status Report

Florida Department of Environmental Protection

PERMIT NUMBER:

COUNTY:

PROJECT NAME:

PHASE:

The following activity has occurred at the above referenced poroject during the past year, between June 1, and May 30, .

<u>Permit Condition/Activity</u>	<u>% of Completion</u>	<u>Date of Anticipated Completion</u>	<u>Date of Completion</u>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>

(Use Additional Sheets As Necessary)

Benchmark Description (one per major control structure): _____

Print Name

Phone

Permittee's or Aurtherized Agent's Signature

Title and Company

Date

This form shall be submitted to the above referenced Department Office during June of each year for activities whose duration of construction exceeds one year.

**ENVIRONMENTAL RESOURCE PERMIT
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL**

Permit Number:

Project Name:

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or Land Surveyor licensed in the State of Florida.

Name (please print)

Signature of Professional

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number:

Project Number:

Inspection Date(s):

Inspection results: (check one)

☐ I hereby certify that I or my designee under my direct supervision have inspected the system at the above referenced project and that the system appears to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable).

☐ The following necessary maintenance was conducted:

☐ I hereby certify that I or my designee under my direct supervision has inspected the system at the above referenced project and that the system does not appear to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable). I have informed the operation and maintenance entity of the following: (a) that the system does not appear to be functioning properly, (b) that maintenance is required to bring the system into compliance, and (c) if maintenance measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to Department approval.

Name

Signature of Professional Engineer

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(affix seal)

Within 30 days of completion of the inspection, submit two copies of the form to the following Department Office:

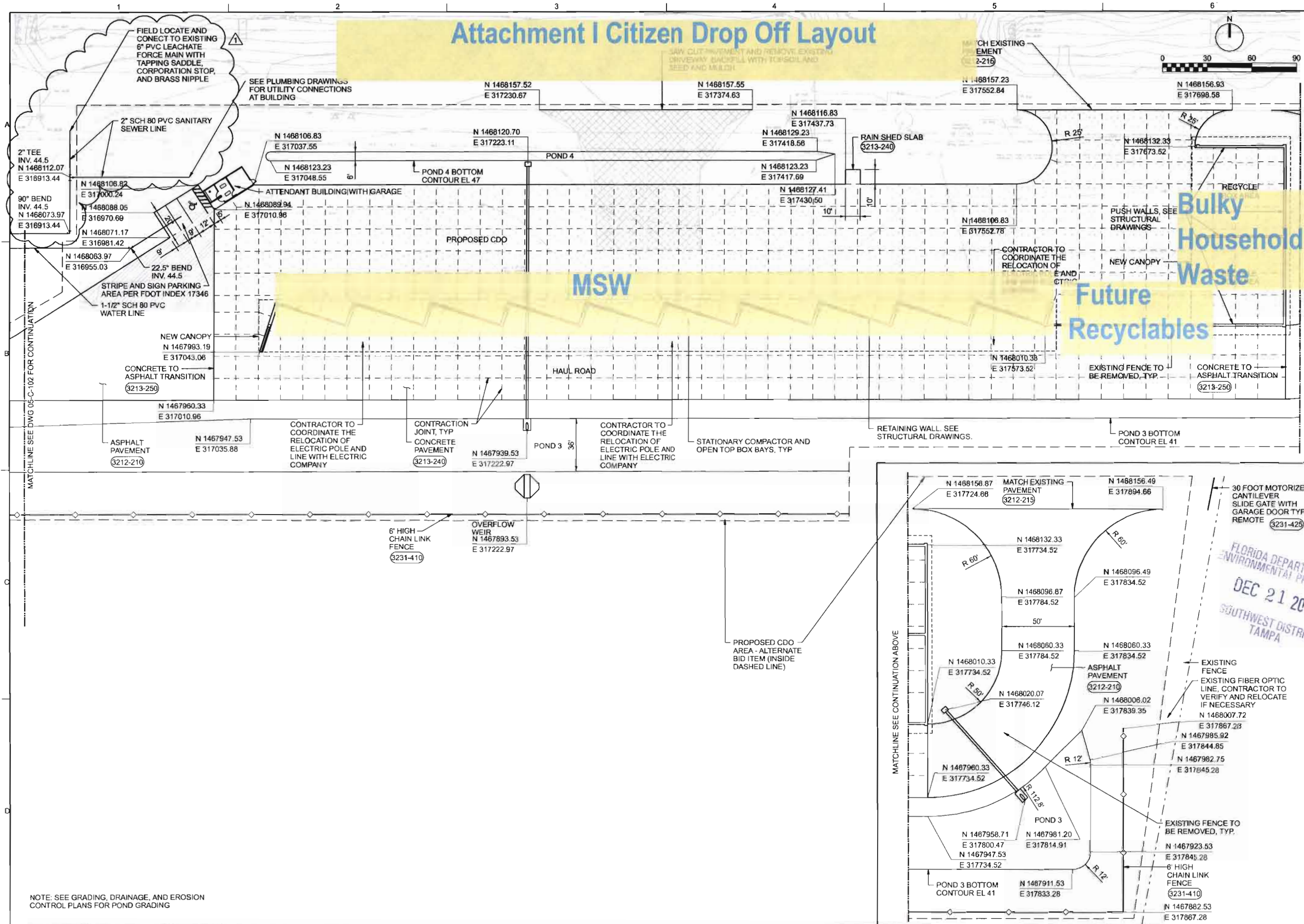
Department of Environmental Protection

New

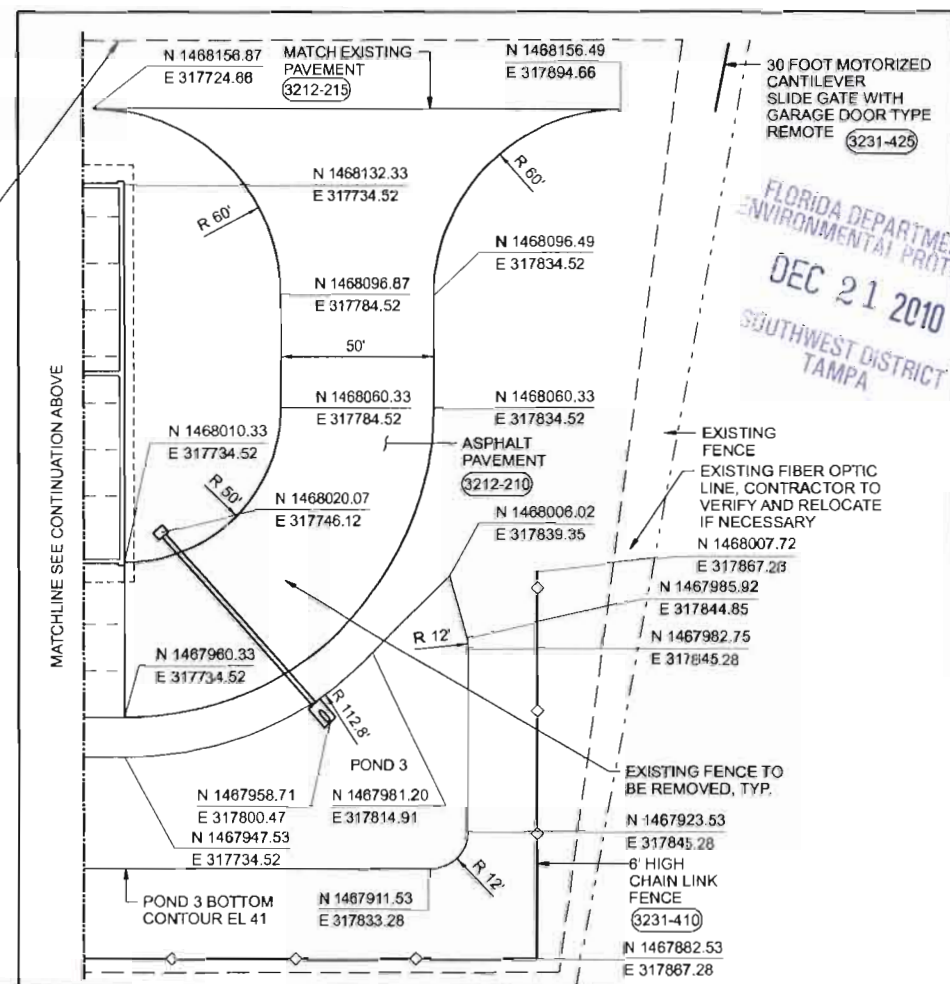
Attachment I Citizen Drop Off Layout

Attachment I
Citizen Drop Off Layout

Attachment I Citizen Drop Off Layout



NOTE: SEE GRADING, DRAINAGE, AND EROSION CONTROL PLANS FOR POND GRADING



3011 SW WILLISTON RD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001592

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL. ALL RIGHTS RESERVED.

SOLID WASTE SYSTEM
UPGRADE DESIGN
PASCO COUNTY, FLORIDA

CIVIL
WEST PASCO SITE
SITE LAYOUT AND UTILITIES PLAN

FDEP REVIEW COMMENTS		REVISION		DATE	
NO.	DATE	DR	CHK	BY	APVD
1	9/20/10	R. MORRISON	C. KOHLER	R. MORRISON	R. MORRISON

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
0" = 1"

DATE: SEPTEMBER 2010
PROJ: 378217
DWG: 05-C-104
SHEET