

CH2MHILL TRANSMITTAL

To: Florida Department of
Environmental Protection
Southwest District
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Temple Terrace, Florida
33637
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From: CH2M HILL
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Attn: Solid Waste Division- Nancy Gaskin

Date: October 11, 2010

Re: Modification to Existing Facility

We Are Sending You:

Method of shipment: FedEx

Response to Permit Application Solid Waste Facility

Quantity	Description
4	East Pasco Response to RAI for the Permit Application for Solid Waste System Upgrade
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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FLORIDA DEPARTMENT OF
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OCT 12 2010
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October 8, 2010

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 12 2010
SOUTHWEST DISTRICT
TAMPA

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

45747

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.

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

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. Please provide a revised facility Operation Plan which reflects all changes to construction improvements proposed in this application. Please provide revised attachments for the facility Operations Plan and revise all references to these figures.

Response to Comment 1. – Operations plan attached in Attachment F.

2. Application form, Rule 62-701.320 (5) (a) & (7) (b), F.A.C.
 - a. Item A.6 Please verify the address listed in this item. The address given is not consistent to the address listed on the current facility permit. Revise this form accordingly.

Response to Comment 2.a – Incorrect address used. Updated Item A.6 on application form to 14230 Hays Road, consistent with the current permit address.

- b. Item A.7. Please verify the coordinates given. The coordinates given are not consistent with the coordinates listed on the current facility permit. Please revise this form accordingly.

Response to Comment 2.b. – Incorrect coordinates use replace with:

28° 22' 22 " N 82° 34' 06" W

3. Section 1 Permit Application

- a. **§1.1** Please specify whether the proposed CDO will be an addition to or replacement for the currently used CDO located at the main facility entrance adjacent to the West Pasco Resources Recovery Facility.

Response to Comment 3.a. - If the proposed CDO is constructed it will serve as the replacement facility for the existing facility located at the main facility entrance. CDO is an alternate bid item and may not be constructed. Alternate bid item is defined as the construction of the proposed CDO facility will receive bid proposals separately from the rest of the proposed construction. Depending on bid proposal and funding available during the bid phase, the owner may elect to construct the CDO or not to.

- b. **§2.3** Please clarify what is meant by an alternate bid item. Please provide an updated status for this alternate bidding procedure. Please specify whether construction is planned regardless of bidding or if construction is dependent on results of the bidding process. Please revise and submit all pertinent section of the operations plan to reflect changes resulting from the construction and operation of the proposed CDO. (See also Comment #1 above.)

Response to Comment 3.b. - See response to comment 3.a above.

- c. **§2.4** Please provide the plan sheet 30-P-101 referenced in this section

Response to Comment 3.c. - Plan sheet included Attachment C -Construction Drawings.

- d. **§2.9** Please confirm submittal of the ERP application referenced and provide a copy of the permit upon issuance.

Response to Comment 3.d. - Submitted application on June 16, 2010. Request for additional information received July 20, 2010. Responses to RAI return to agency August 17, 2010.

A copy of permit will be provided upon issuance. (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. Due to extent and complexity of the Department's comments and questions and difficulty in describing some comments related to the these drawings, these drawings will be discussed in detail at the meeting requested at the end of this letter. Please provide revised drawings that address the comments provided below and at the above-reference meeting, including all necessary details for the construction and operation of the facility. **The drawings will be reviewed in their entirety after the responses to these requests for information are submitted.**

Response to Comment 4. - Meeting held Wednesday September 1, 2010 2 p.m. to discuss Drawings.

- a. **05-C-102.** Please verify whether the sanitary sewer line from the scale house is intended to discharge to Leachate Tank # 1 as indicated on this sheet. Please provide piping details for the water and sanitary sewer lines for the scale house. Please provide a detail view of the sanitary sewer line connection with Leachate Tank #1.

Response to Comment 4.a. - Revised to pump directly into the force main. See Attachment C, Construction Drawing 05-C-102 and 05-C-504.

- b. **05-C-104.** Please define alternate bid as it is used on this sheet. (See also Comment #3.b above.) Please verify whether the sanitary sewer line for the Attendant Building is intended to discharge to Leachate Tank #1. This sheet identifies a section of pipe as both a leachate force main in relation to the sewer line. Please identify the location of the leachate force main in relation to the sewer line from the Attendant building. Provide a detail view of the sanitary sewer line connection with Leachate Tank #1. Please provide specific procedures for the storage and management of all recyclables to be managed in the area designated on this sheet. (See also Comment #1 above).

Response to Comment 4.b. - See response from comment 3.a. for alternate bid item definition. Proposed sanitary sewer line from the attendant building is proposed to connect directly into the force main. See Attachment C Construction Drawing 05-C-104 and 05-C-504.

The storage and management of the recyclables is a collection center that is open to the public from 7:00 a.m. to 4:00 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 roll-off container is provided for newsprint only. The facility configuration is shown on the site plan attached as Attachment C Construction Drawings of this Report. 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. 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 bunkers are electronic wastes, which are collected for recycling on a periodic, as-needed basis.

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

- c. **05-C-106.** This sheet identifies the previously identified Attendant Building as "New Scale House". Please verify that scales will not be installed at this building.

Response to Comment 4.c. – Drawing was mislabeled. Scales will not be installed at this building. Building is the proposed attendant building. See Attachment C, Construction Drawings 05-C-106.

- d. **50-A-102.** This sheet indicated that the existing scale house trailer will not be demolished, but the scales and deck will be removed. Please specify the future use of this building and whether it will remain connected to utilities. Drawings currently reference in the facility permit show this building connected to a septic system. Please revise this drawing to identify the proposed utilities and piping detail for this building. (See also Comment #1 above.)

Response to Comment 4.d.-The future use of the facility will be an employee break room. The connections to the existing utilities will remain as is.

5. Notice of Application, Rule 62-701.320 (8), F.A.C. Please publish the attached Notice of Application in a newspaper of general circulation in the area of the project, and provide proof of publication to the Department.

Response to Comment 5. – Notice of Application included in Attachment G.

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. Please provide the Certification of Authorization number for the authorized engineering business that prepared the application.

Response to Comment 6. New cover sheet provided and added the Certificate of Authorization number for the authorized engineering business that prepared this application. Engineering Business Number: EB0000072

7. Financial Assurance and Closure cost Estimates, 62-701.630 F.A.C Please verify whether any potential increase in waste and material management resultant from these improvements will not exceed the financial assurance provided. If so please submit revised closure cost estimates for the facility.

Response to Comment 7. - Improvements are not expected to increase amount of waste collected. The existing facility will remain as currently operated during construction and the facility will include new inbound and outbound scales (replacing the old scales), bypass lanes, and associated roadwork. A new citizen drop off area may be constructed with an attendant building; this will be an alternate bid item on plans. Also see response to comment 3.a.

Revised:
October 2010

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

PART A. GENERAL INFORMATION

1. Type of disposal facility (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Class I Landfill | <input type="checkbox"/> Ash Monofill |
| <input checked="" type="checkbox"/> Class III Landfill | <input type="checkbox"/> Asbestos Monofill |
| <input type="checkbox"/> Industrial Solid Waste | |
| <input type="checkbox"/> Other Describe: _____ | |

FLORIDA DEPARTMENT OF
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NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;
Compost Facilities should apply on Form 62-701.900(10), FAC; and
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

- ☐ Construction
☐ Operation
☒ Construction/Operation
☐ Closure
☐ Long-term Care Only

3. Classification of application:

- | | |
|----------------------------------|---|
| <input type="checkbox"/> New | <input type="checkbox"/> Substantial Modification |
| <input type="checkbox"/> Renewal | <input checked="" type="checkbox"/> Intermediate Modification |
| | <input type="checkbox"/> Minor Modification |

4. Facility name: West Pasco County Class III Landfill

5. DEP ID number: 92303 _____ County: Pasco

6. Facility location (main entrance):

14230 HAYS ROAD SPRING HILL, FL 34610-3823

7. Location coordinates:

Section: 26 Township: 24 Range: 17

Latitude: 82 ° 34 ' 06 " Longitude: 28 ° 22 ' 22 "

Datum: NAVD 88

Coordinate Method: _____

Collected by: _____ Company/Affiliation: _____

Revised:
October 2010

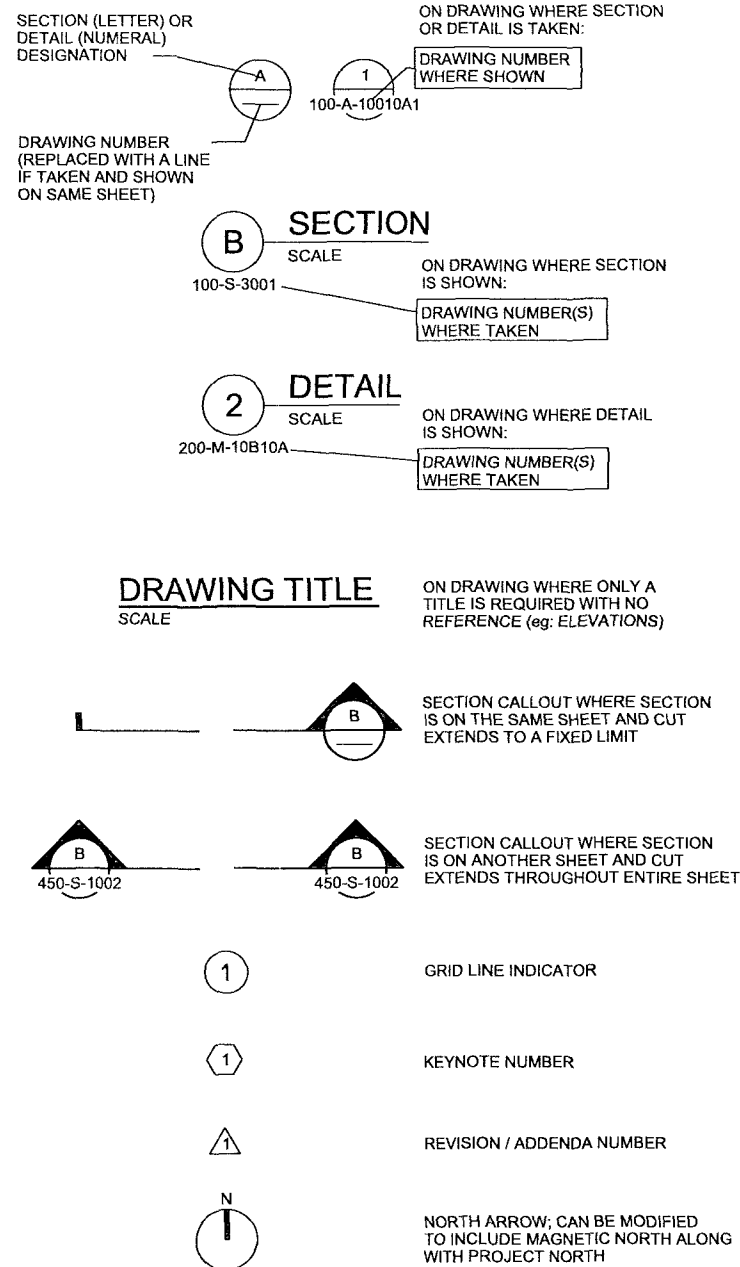
Attachment C
Construction Drawings

FLORIDA DEPARTMENT OF
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OCT 12 2010
SOUTHWEST DISTRICT
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ABBREVIATIONS

RRUB	RADIAL RUBBER	TG	TEMPERED
RS	RIGID STEEL	TH	TOP-HINGED
RST	REINFORCING STEEL	THD	THREAD
RT	RIGHT	THK	THICKNESS
RTN	RETURN	THRU	THROUGH
RTO	REGENERATIVE THERMAL OXIDIZER	TJB	TERMINAL JUNCTION BOX
RUB	RUBBER	TL	TEFLON LINED PIPE
RUBC	RUBBER CUSHIONED FLOORING	T.O.	TIME TO OPEN, TOP OF
RUBS	RUBBER ESD CONTROL FLOORING	TOAE	TIME OPEN AFTER ENERGIZATION
RW	RIGHT OF WAY	TOC	TOP OF CONCRETE
		TOC	TOP OF CURB
		TOD	TIME ON DELAY, TOP OF DUCT
S	I-BEAM		TOTAL OXYGEN DEMAND
S	SLOPE, SOUTH, SWITCH	TOF	TOP OF FOOTING
SA	SUPPLY AIR	TOG	TOP OF GROUT, TOP OF GRATE
SATC	SUSPENDED ACCUSTICAL TILE CEILING	T.O.P.	TOP OF PARAPET
SB	SEDIMENT BASIN	TOS	TOP OF SLAB
SC	SHOWER CURTAIN, SOLID CORE WOOD	TOW	TOP OF WALL
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION	TP	TURNING POINT
SCC	SOLID CORE	TR	TRANSOM, TRUSS
SCFM	STANDARD CUBIC FEED PER MINUTE	TRANS	TRANSFORMER, TRANSITION
SCHED	SCHEDULE	TRANSV	TRANSVERSE
SCU	SPEED CONTROL UNIT	TRD	TREAD
SDP	SUB-DISTRIBUTION PANEL	TS	TEMPORARY SEEDING, TUBE STEEL
SDWK	SIDEWALK	TSHT	THRESHOLD
SEC	SECONDARY	TSS	TOTAL SUSPENSION SOLIDS
SECT	SECTION	TST	TOP OF STEEL
SED	SEDIMENTATION	TTC	TELEPHONE TERMINAL CABINET
SEW	SEWAGE	TTD	TOILET TISSUE DISPENSER
SG	LAMINATED SAFETY GLASS, SAFETY	TU-X	TREATMENT UNIT NO. X
SGWB	SUSPENDED GYPSUM WALL BOARD	TURB	TURBIDITY
SH	SHEET	TWP	TRANSLUCENT WALL PANEL
SHA	SURFACE HARDENING AGENT	TX	TRANSFORMER
SHS	SOLIDS HANDLING SYSTEM	TYP	TYPICAL
SIM	SIMILAR		
SK	SINK	UON	UNLESS OTHERWISE NOTED
SLR	SEALER	UNO	UNLESS NOTED OTHERWISE
SMLS	SEAMLESS EPOXY	UPS	UNINTERRUPTIBLE POWER SUPPLY
SOI	SPRAY- ON INSULATION	USB	UNIT SUBSTATION
SOLN	SOLUTION	UVR	UNDER VOLTAGE RELAY
SP	SPACE OR SPACES, SPANDREL PANEL, STORMPROOF	V	VENT, VALVE
SPEC, SPECS	SPECIFICATIONS	V	VOLTMETER, VOLTS
SPD	SUMP PUMP DISCHARGE	VB	VAPOR BARRIER (RETARDER)
SPG	SPACING	VC	VERTICAL CURVE
SPLY	SUPPLY	VCP	VITRIFIED CLAY PIPE
SQ	SQUARE	VCT	VINYL COMPOSITION TILE
SQ FT	SQUARE FOOT, FEET	VEL	VELOCITY
SQ IN	SQUARE INCH	VERT	VERTICAL
SR	SHORT RADIUS	VHC	VOLATILE HYDROCARBONS
SS	START-STOP	VIB	VIBRATION
SST	STAINLESS STEEL	VIF	VERIFY IN FIELD
SSC	SUPERVISORY SET POINT CONTROL	VIN	VINYL
ST	STORM DRAIN	VINT, VT	VINYL TILE
ST	STRAIGHT	VP	VERTICAL PIVOTED
STA	STATUS, STATION	VPS	VENEER PLASTER SYSTEM
STD	STANDARD	VPC	POINT OF VERTICAL CURVATURE
STIF	STIFFENER	VPI	POINT OF VERTICAL INTERSECTION
STIRR	STIRRUP	VPT	POINT OF VERTICAL TANGENT
STL	STEEL	VS	VERTICAL SLIDE
STRL	STRUCTUAL	VTR	VENT THRU ROOF
STRUCT	STRUCTURE	VWC	VINYL WALL COVERING
SUBFL	SUBFLOOR		
SUSP	SUSPENDED	W	WEST
SV	SOLENOID VALVE	W/	WITH
SVIN	SHEET VINYL	WC	WATER COLUMN
SWBD	SWITCHBOARD	WDW	WASH DOWN WATER
SWGR	SWITCHGEAR	WEASTRIP	WEATHERSTRIP
SYMM	SYMMETRICAL	WG	WIRE, WIRE GLASS
		WH	WATTHOUR METER
T	THERMOSTAT, TREAD	WHO	WATTHOUR DEMAND METER
T&B	TOP AND BOTTOM	WP	WATERPROOF, WEATHERPROOF, WORKPOINT
T&G	TONGUE AND GROOVE	WR	WASTE RECEPTACLE
TA	TRANSFER AIR	WRB	WATER RESISTANT GWB
TAN	TANGENT	WS	WATER SURFACE, WATERSTOP, WELDED STEEL
TB	TERMINAL BOARD	WWF	WELDED WIRE FABRIC
TBG	TUBING	WWPH	WET WEATHER PEAK HOUR
TC	TIME TO CLOSE		
TC	TURBIDITY CURTAIN	NOTES:	
TCAD	TIME CLOSE AFTER DE-ENERGIZATION	1.	CONTACT ENGINEER FOR ABBREVIATIONS USED BUT NOT SHOWN ON THIS DRAWING.
TCAE	TIME CLOSE AFTER ENERGIZATION		
TDH	TOTAL DYNAMIC HEAD		
TDR	TIME DELAY RELAY		
TECH	TECHNICAL		
TEL	TELEPHONE		
TEMP	TEMPORARY, TEMPERATURE		
TF	TOP FACE		
TFG	TEMPERED FLOAT GLASS		

SECTION / DETAIL DESIGNATIONS



DESIGN DETAIL DESIGNATION

DESIGN DETAIL DESIGNATION (NUMERAL)

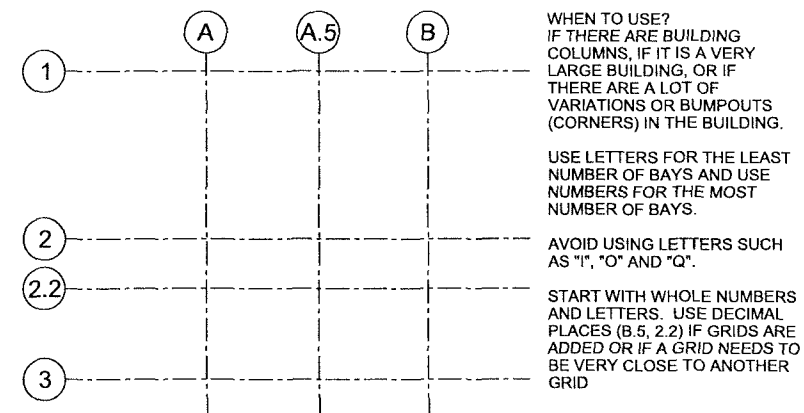
SHOWN ON DESIGN DETAIL DRAWING(S)

(1234-567)

NOTES:

- ALL DESIGN DETAILS ARE TYPICAL AND MUST BE USED IF DESIGN DETAIL DESIGNATION IS NOT SHOWN
- THE TERM STANDARD DETAIL, OR A FORM OF IT, IS SYNONOMOUS WITH DESIGN DETAIL AND REFERS TO THE DESIGN DETAILS FOUND IN THIS SET OF CONTRACT DOCUMENTS.
- THE DESIGN DETAILS REPRESENT THE CHARACTER AND NATURE OF THE WORK REQUIRED THROUGHOUT THE PROJECT. ALL ASSOCIATED WORK SHALL BE IN ACCORDANCE WITH THE DESIGN DETAILS SHOWN WHETHER THE DETAILS ARE SPECIFICALLY REFERENCED OR NOT.

COLUMN GRID SYSTEM



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

OCT 12 2010

SOUTHWEST DISTRICT TAMPA

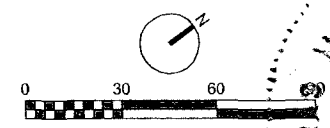
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GENERAL ABBREVIATIONS SHEET 2

GENERAL NOTE:

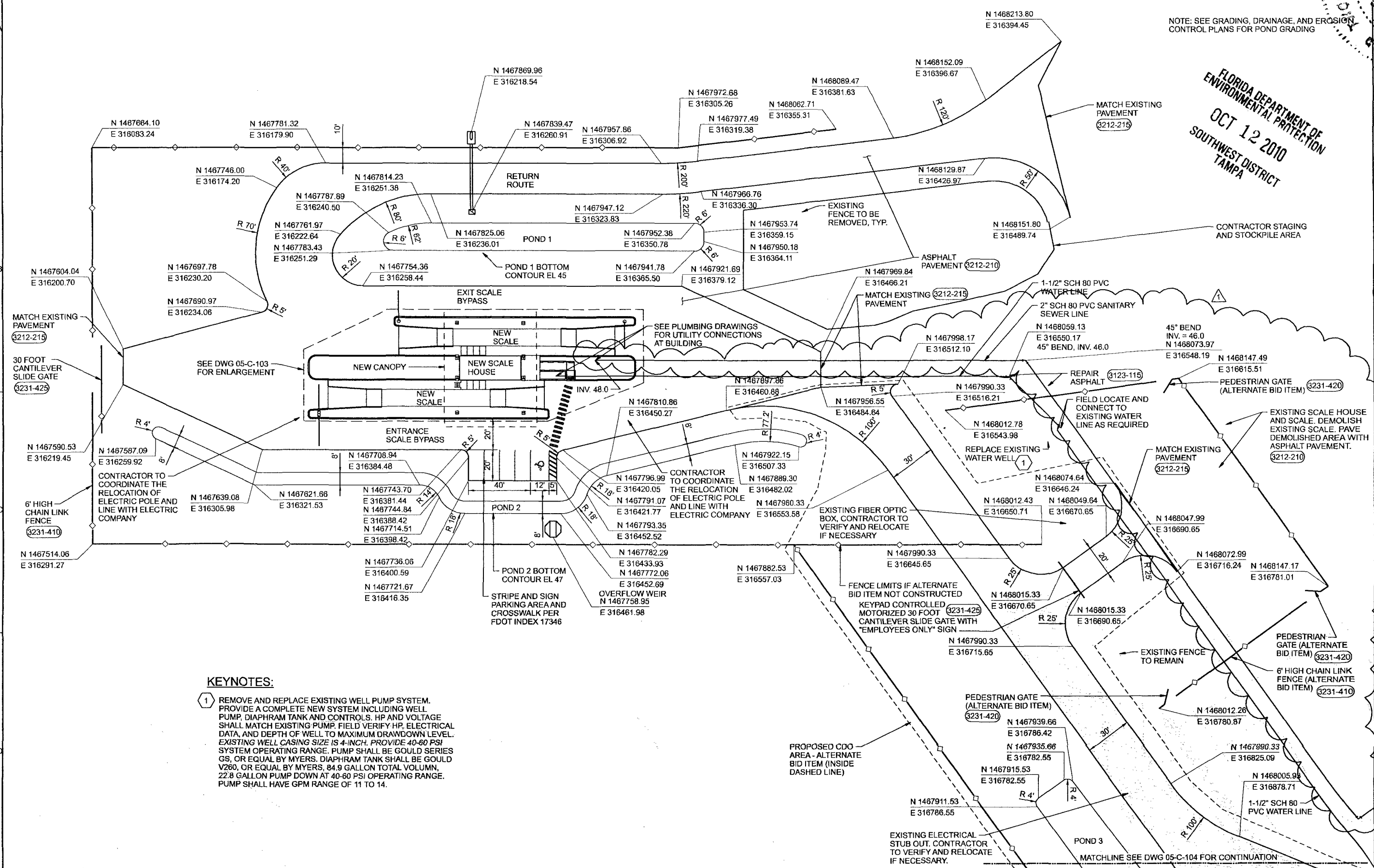
- THIS IS A STANDARD LEGEND SHEET. THEREFORE, NOT ALL OF THE INFORMATION SHOWN MAY BE USED ON THIS PROJECT.

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	SEPTEMBER 2010
PROJ	378217
DWG	00-G-003A
SHEET	



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

FLORIDA DEPARTMENT OF
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OCT 12 2010
SOUTHWEST DISTRICT
TAMPA



KEYNOTES:

- 1 REMOVE AND REPLACE EXISTING WELL PUMP SYSTEM. PROVIDE A COMPLETE NEW SYSTEM INCLUDING WELL PUMP, DIAPHRAM TANK AND CONTROLS. HP AND VOLTAGE SHALL MATCH EXISTING PUMP. FIELD VERIFY HP, ELECTRICAL DATA, AND DEPTH OF WELL TO MAXIMUM DRAWDOWN LEVEL. EXISTING WELL CASING SIZE IS 4-INCH. PROVIDE 40-60 PSI SYSTEM OPERATING RANGE. PUMP SHALL BE GOULD SERIES GS, OR EQUAL BY MYERS. DIAPHRAM TANK SHALL BE GOULD V260, OR EQUAL BY MYERS. 84.9 GALLON TOTAL VOLUMEN. 22.8 GALLON PUMP DOWN AT 40-60 PSI OPERATING RANGE. PUMP SHALL HAVE GPM RANGE OF 11 TO 14.

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CIVIL
WEST PASCO SITE
SITE LAYOUT AND UTILITIES PLAN

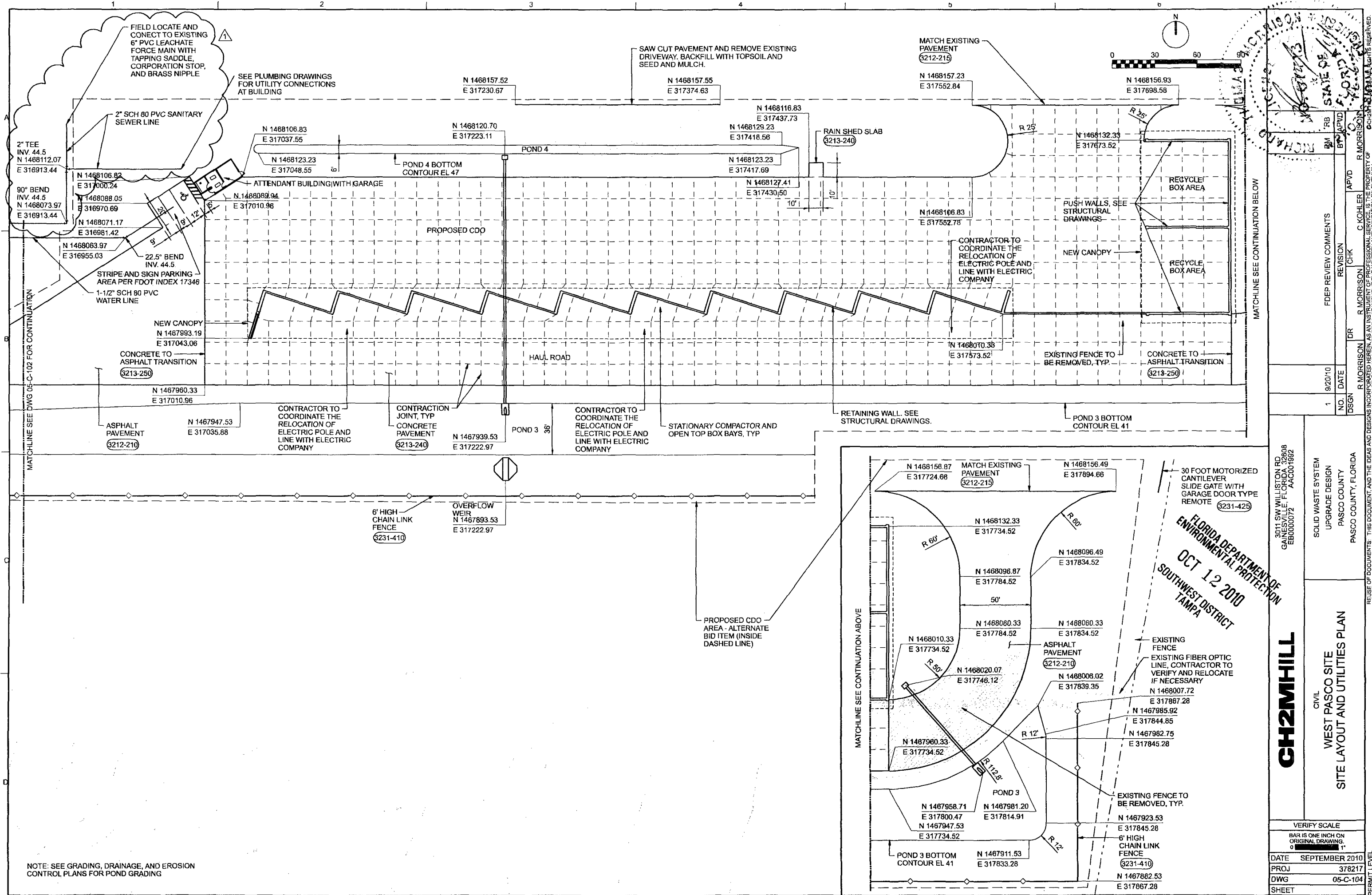
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GAINESVILLE, FLORIDA 32608
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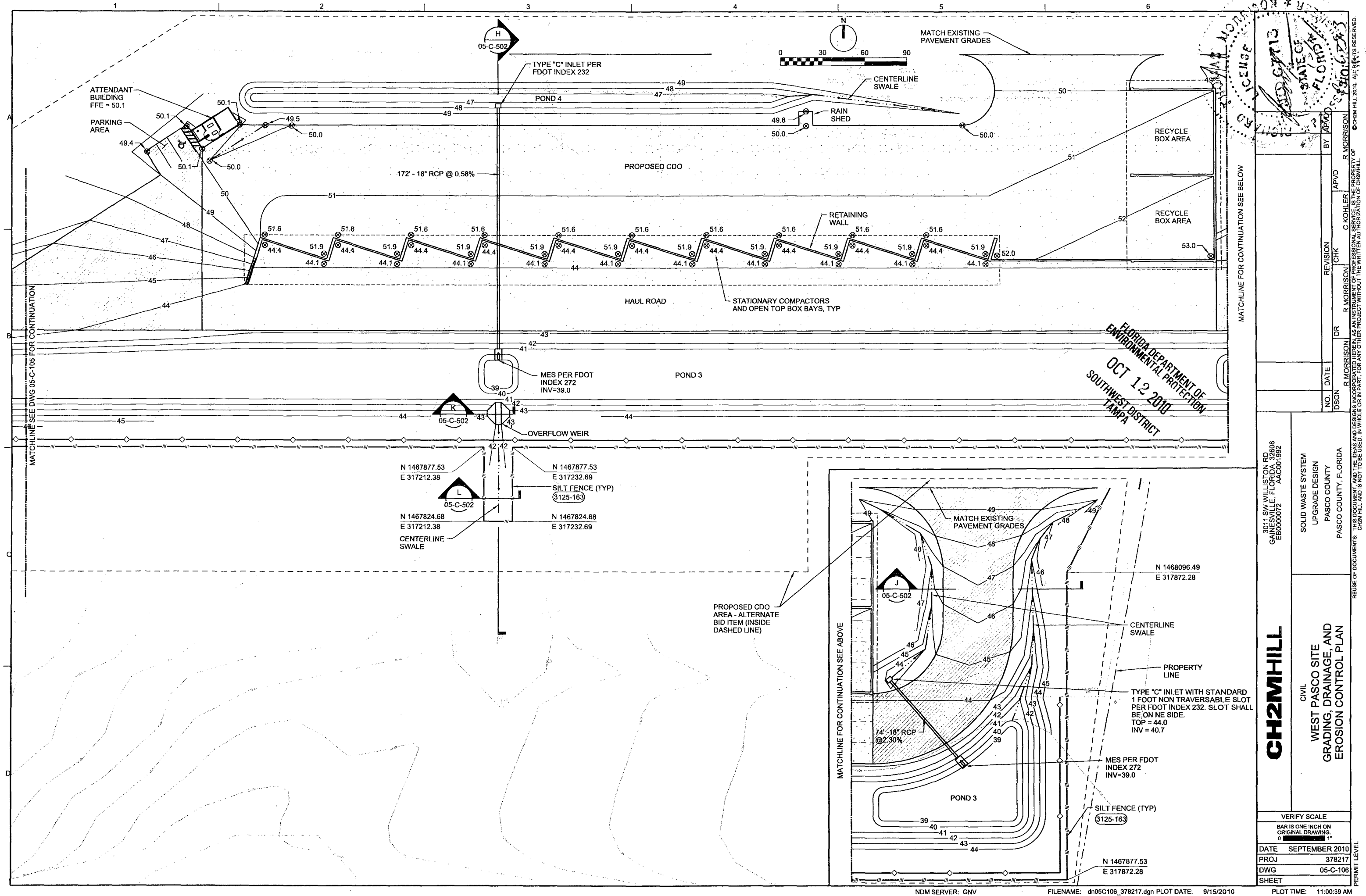
NO.	DATE	DSGN	DR	CHK	REVISION	FDEP REVIEW COMMENTS
1	9/20/10					

VERIFICATION SCALE
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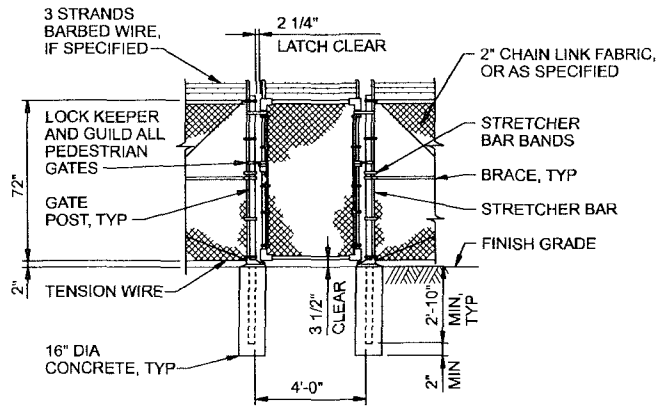
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PROJ: 378217
DWG: 05-C-102
SHEET

PERMIT LEVEL



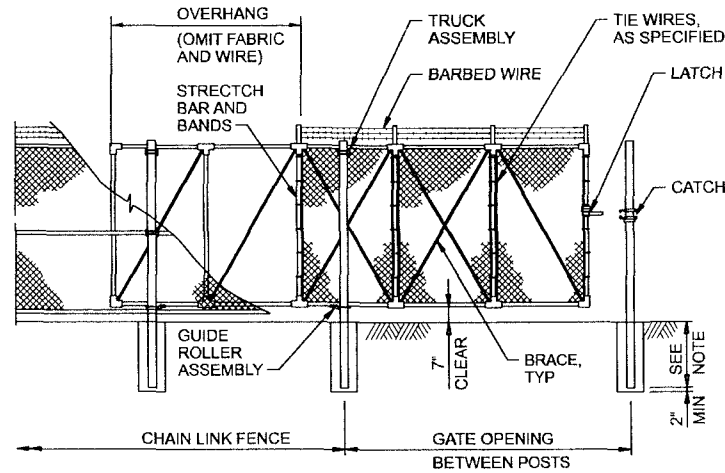


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PEDESTRIAN GATE
NTS

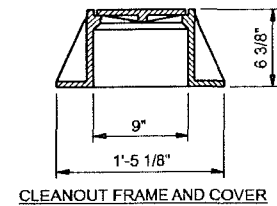
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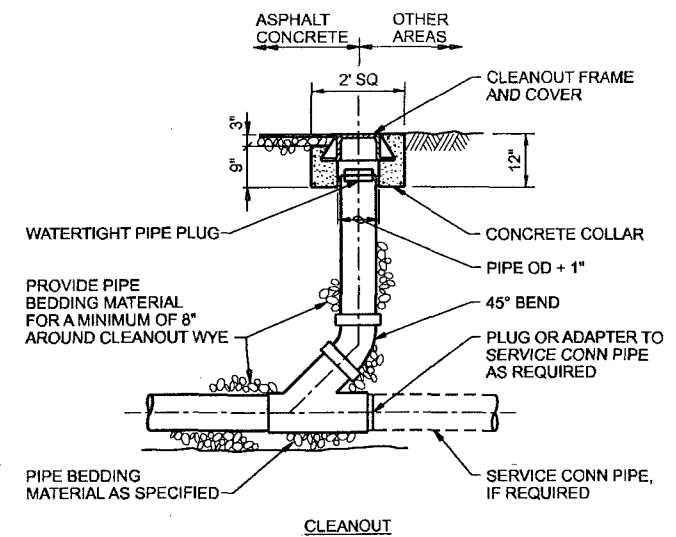
NOTE:
POST SETS PER MANUFACTURER'S RECOMMENDATIONS FOR GATE OPENING AND GATE POST SIZES.

CANTILEVER SLIDE GATE
NTS

3231-425



CLEANOUT FRAME AND COVER



EXTERIOR CLEANOUT
NTS

3305-740

FLORIDA DEPARTMENT OF
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OCT 12 2010
SOUTHWEST DISTRICT
TAMPA

3011 SW WILLISTON RD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

SOLID WASTE SYSTEM
UPGRADE DESIGN
PASCO COUNTY
PASCO COUNTY, FLORIDA

CH2MHILL

CIVIL
WEST PASCO SITE
DETAILS

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
DATE SEPTEMBER 2010
PROJ 378217
DWG 05-C-504
SHEET

PERMIT LEVEL

Revised:
October 2010

Attachment F Operations Plan

FLORIDA DEPARTMENT OF
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OCT 12 2010
SOUTHWEST DISTRICT
TAMPA

Pasco County, Florida



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 12 2010
SOUTHWEST DISTRICT
TAMPA

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- 70 1, 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 waste shall be stockpiled on the Limestone Pad north of Class III 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 waste 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 tire), 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 with the County's 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 (I). Procedures for removal of prohibited wastes are outlined in Section 6 (Entitled "Load Checking Program"). 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.

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 Scale house 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 offloading 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 I. 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 alongside 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 18 inches of clay that has the maximum permeability of 1×10^{-5} cm/sec material and covered with 18 inches of native soils. The top six inches will be un-compacted 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, and 10 for Gas, Leachate, and Stormwater Controls

i. Water Quality Monitoring

Refer to the Water Quality Monitoring Plan Evaluation Bi-annual report. Dated August, 2006, Prepared by MACTECH.

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 annually operate the float switches to verify proper operation. In addition, the County will comply with the requirements of the Rule 62-70 1.500 (8) (h), F.A.C. The leachate collection system was jet-cleaned on October 6, 2006.

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 8004-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 its 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 62-70 1.5 10(8) and (c) 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 semi-annually.

9A. Routine Gas Monitoring Program

Of the Class III Landfill disposal's four units. Unit No.2 is are 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 s specified by the FAC, the operator shall:

Notify his supervisor, who will take measures (if necessary) to protect health and safety.

Submit to the department within seven day s a remediation plan. The plan shall describe the nature and extent or the problem and the proposed remedy.

Complete the approved remediation construction within 60 days.

9B. Odor Remediation Plan

The facility will be operated to control objectionable odors. If gas concentration 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 an 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 runoff 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 J 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 ^b	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 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 a 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.
- (4) 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 2	At Tank 2
11	15"x6"	No smoking	At all Leachate

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 permuted waste disposal units. Estimates will be maintained by the Utilities Services Branch files.

A technical report, prepared, signed and sealed by a L.O. 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

West Pasco County Class III Landfill Layout

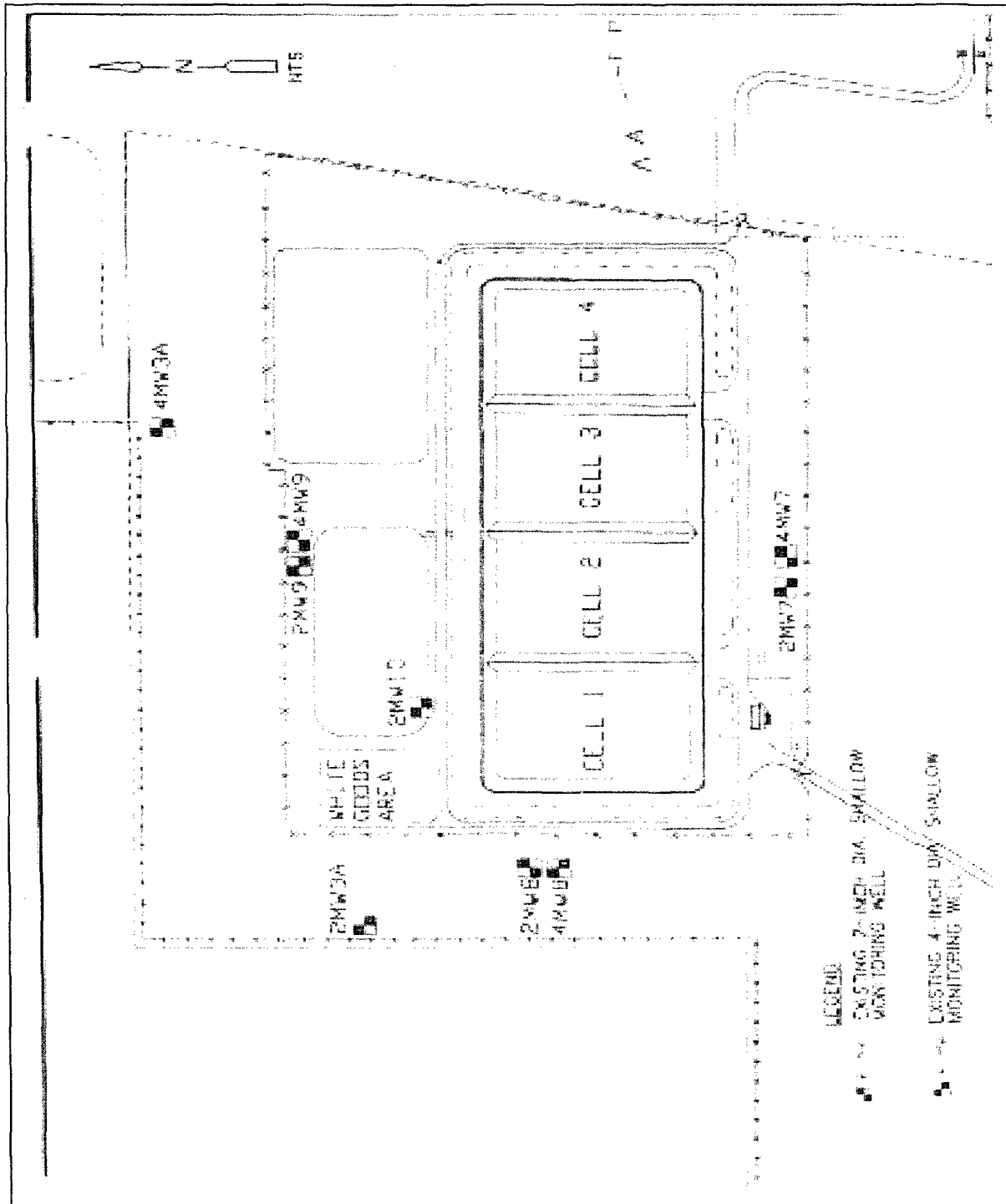


Figure 2

West Pasco County Class III Layout Sequence of Filling

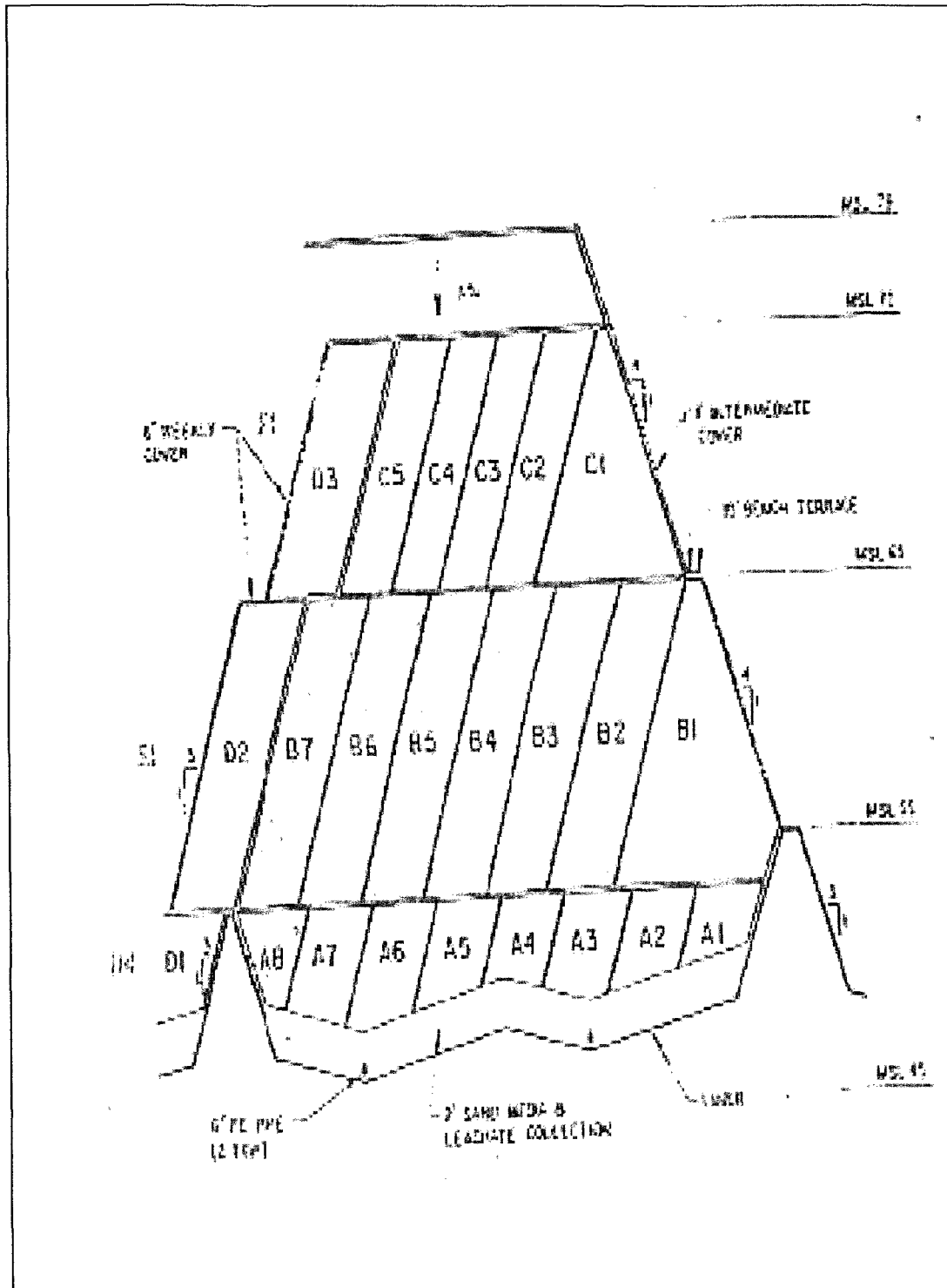


Figure 4

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

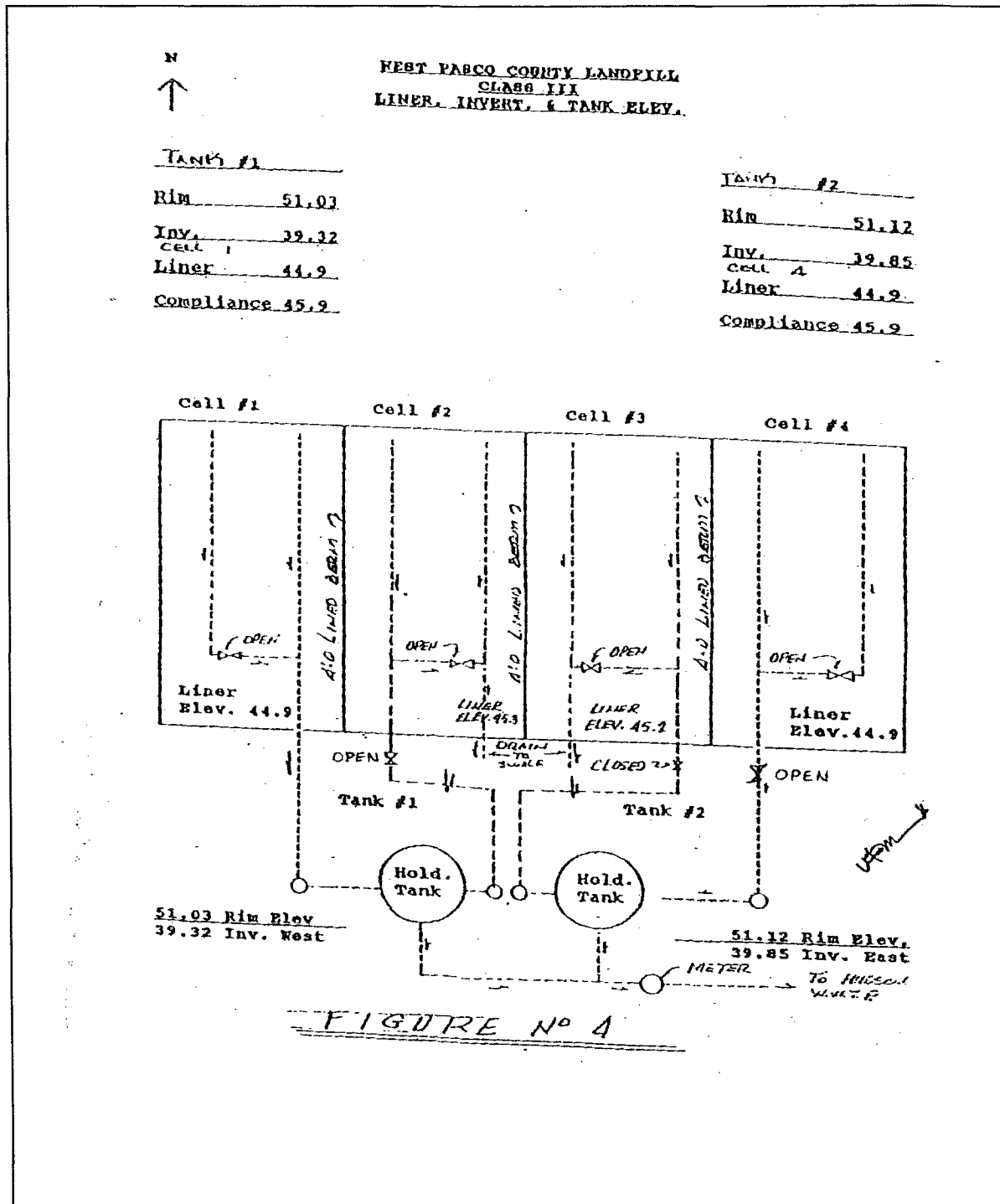


Figure 5

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 Or	<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 _____	

Revised:
October 2010

Pasco County, Florida



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 12 2010
SOUTHWEST DISTRICT
TAMPA

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. 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.
3. Only normal household waste that would be placed at the curbside for regular pickup shall be exempt from payment.
4. Exceptionally large loads of furniture or other waste (to be determined by the Solid Waste Attendant) will be escorted to the tipping floor and will be charged the going rate, which is currently \$56.70 per ton.
5. 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.)
6. All municipal solid waste (garbage) from households must be in a closed container (i.e., bags, boxes, etc.); no charge.
7. 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.
8. 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.
9. 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.
10. Yard waste will be charged \$56.70 per ton.
11. 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.
12. Special wastes: asbestos \$100.00 per ton; \$100.00 per event.
13. Construction debris: \$56.70 per ton (\$56.70 per ton is prorated at \$2.83 per 100 pounds).
14. 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.
15. "Out of County" waste will not be accepted.
16. 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 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. 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.

1.1.4 MSW

MSW is stored in a covered 20 cubic yard container for transfer to the transfer station tipping floor, 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.

1.1.5 Waste Tires/Waste Oil

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

1.2 Minimum Design Requirements

The transfer station 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 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 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 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 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 Peckenschneider, 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 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.

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 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
2. Ron Walker, Solid Waste Superintendent
(727) 856-0119
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. 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.

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- 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.

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October 2010

Attachment G
Notice of Application
