February 25, 2019
File No. 09217088.08

Mr. Phillip J. Ciaravella
Solid Waste Section
Florida Department of Environmental Protection
2600 Blair Stone Road, MS 4565
Tallahassee, Florida 32399-2400

Subject: Manatee County Lena Road Landfill
Waste Tire Processing Facility Permit Renewal Application
Permit No. 126654-004-WT/02

Dear Mr. Ciaravella:

On behalf of the Manatee County Utilities Department, Solid Waste Management Division (SWD), SCS Engineers (SCS) is pleased to submit this electronic copy of the Permit Renewal Application for the Waste Tire Processing Facility located at the Manatee County Lena Road Landfill.

A hardcopy of the permit renewal application for the Waste Tire Processing Facility and a check in the amount of $1,250 in accordance with Rule 62-4, F.A.C. for the permit renewal fee will be submitted via regular mail separately.

Please call me at (813) 804-6727 if you require any clarifications or information relating to this submittal.

Sincerely,

Carlos A. Restrepo, P.E.
Project Manager
SCS Engineers

David Moreno, E.I.
Staff Professional
SCS Engineers

car/dm:car

cc: Bob Bennett, SWD
Bryan White, SWD
Steve Morgan, FDEP SW District

SUPPLEMENTAL INFORMATION

A. APPLICANT INFORMATION

A.7 Based on a review of the Lena Road Class I Landfill files and information provided by Manatee County staff responsible for the Lena Road Class I Landfill, the applicant is not aware of any other enforcement actions relative to the County's other solid waste operations. Any errors or omissions are not to be construed as a misrepresentation of the facts. Should FDEP have additional information in their files, the SWD will concede to FDEP's data.

PART III ATTACHMENTS

A.1 A map with the latest topographic survey information of the Lena Road Landfill WTPF along with supporting information showing location and size of the WTPF, stormwater control measures, boundaries, buildings, and access roads is included in Appendix A of this permit renewal application. There have been no changes to the WTPF since last permit renewal application.

Supporting figures showing location of wetlands and waterbodies, land use and zoning, and water wells are included in Figures 1 through 5 of the Engineering Report of this permit renewal application.

B.1 Description of the facility's operation, process and products including how waste tires will be received and stored is included in Section 4 of the Engineering Report.

B.2 Description of the equipment used for operating the WTPF to include capacity of each equipment is included in Section 5 of the Engineering Report.

B.3 No tire processing is performed at the WTPF. Description of the waste tire process from delivery, amount of waste expected and how and where this waste will be disposed of is included in in Sections 4 and 5 of the Engineering Report.

B.4 No tire processing is performed at the WTPF. Description of the waste tire process from delivery, amount of waste expected and how and where this waste will be disposed of is included in in Sections 4 and 5 of the Engineering Report.

B.5 Description of how the operator will maintain compliance with each of the storage requirements of Rule 62-711.540, F.A.C is included in Sections 2 and 4 of the Engineering Report.

B.6 Copy of the emergency preparedness manual for the facility with a statement of the on-site and off-site locations where the manual will be maintained is included in Appendix C of the Engineering Report.

B.7 Copy of the fire safety survey is included in Appendix C of the Engineering Report.

B.8 Description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling is further explained in Section 2 of the Engineering Report.

C Completed closing plan for the facility as required by Rule 62-711.700(2) and (3), F.A.C. is included in Section 9 of the Engineering Report.

D Financial responsibility as required by Rule 62-711.500(3) is discussed in Section 8 of the Engineering Report.

E The landowner is the applicant.

F Waste tires are not consumed or processed at the Lena Road Landfill WTPF.

G Permit fee as required in Rule 62-4, F.A.C. has been included with this permit renewal application.

Reset Form | Print Form

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(23)
Form Title: Waste Tire Processing Facility Permit Application
Effective Date: January 6, 2010
Incorporated in Rule 62-711.530(6)

Waste Tire Processing Facility Permit Application

Permit No. 126654-004-WT/02

Renewal ■ Modification ☐ Existing unpermitted facility ☐ Proposed new facility ☐

Part I-General Information:

A. Applicant Information:

1. Applicant Name: Manatee County Utilities Department, Solid Waste Division
2. Applicant Street Address: 4410 66th Street West
3. City: Bradenton County: Manatee Zip: 34210
4. Applicant Mailing Address: 4410 66th Street West
5. City: Bradenton County: Manatee Zip: 34210
6. Contact person: C. Mike Gore Phone: (941) 792-8811 FEID No: SWD-41-44795
7. Have any enforcement actions been taken by the Department against the applicant relating to the operation of any solid waste management facility in this state? This includes any Complaint, Notice of Violation, or revocation of a permit or registration, as well as any Consent Order in which a violation of Department rules is admitted. It does not include a Warning Letter, Warning Notice, Notice of Noncompliance, or other similar document which does not constitute agency action.
   Yes ☐ **No** ■ **If yes**, attach a history and description of the enforcement actions.

B. Facility Information:

1. Facility Name: Lena Road Landfill Waste Tire Processing Facility
2. Facility Street Address (Main Entrance): 3333 Lena Road
3. City: Bradenton County: Manatee Zip: 34211
4. Facility Mailing Address: 3333 Lena Road
5. City: Bradenton State: Manatee Zip: 34211
6. Contact Person: Bryan White Phone: (941) 748-5543
7. Facility Location Coordinates:

   Section: 1 Township: 35S Range: 18E

   Latitude: 27-28'-28.5" Longitude: 82-27'-2.5"
8. Anticipated date for starting construction N/A and for completion of construction Existing
9. Anticipated date for receipt of tires N/A and for start of processing Existing

Mail completed form to appropriate district office listed below

Northwest District	Northeast District	Central District	Southwest District	South District	Southeast District
160 Government Center	7825 Baymeadows Way, Ste. 200 B	3319 Maguire Blvd., Ste. 232	13051 N. Telecom Pky	2295 Victoria Ave., Ste. 364	400 North Congress Ave.
Pensacola, FL 32501-5794	Jacksonville, FL 32256-7590	Orlando, FL 32803-3767	Temple Terrace, FL	Fort Myers, FL 33902-2549	West Palm Beach, FL 33401
850-595-8360	904-807-3300	407-894-7555	813-632-7600	239-332-6975	561-681-6600

DEP Form # 62-701.900(23)

Form Title: Waste Tire Processing Facility Permit Application

Effective Date: January 6, 2010

Incorporated in Rule 62-711.530(6)

C. Land Owner Information (if different from applicant):

1. Owner's name: N/A
2. Land owner's mailing address: N/A
3. City: N/A State: N/A Zip: N/A
4. Authorized Agent: N/A Agent's phone (N/A)
5. Current lease expires: N/A

D. Facility Operator Information (if different from applicant):

1. Operator's name: N/A
2. Operator's mailing address: N/A
3. City: N/A State: N/A Zip: N/A
4. Contact person: N/A Phone: (N/A)

E. Preparer of Application:

1. Name of person preparing application: Carlos A. Restrepo, P.E. (SCS Engineers)
2. Mailing address: 3922 Coconut Palm Drive, Suite 102
3. City: Tampa State: Florida Zip: 33619
4. Phone: (813) 804-6727
5. Affiliation with facility: Consultant

Part II-Operations:

A. Facility type (check appropriate box):

☐ Waste tire processing facility.

☐ Waste tire processing facility with on-site disposal of processed tires or processing residuals.

☐ Waste tire processing facility with on-site consumption of waste tires or processing residuals.

■ Permitted solid waste management facility modification to allow waste tire site and processing.

B. Type of processing facility (check as many as apply):

☐Shredder ☐Cutter ☐Chopper ☐Incinerator only ☐Incinerator with energy recovery
☐Pyrolysis ☐Supplemental fuel user ■Other, explain Collection, Storage, and Transfer Only

C. Storage: Indicate the maximum quantities of whole waste tires, processed waste tires, and processing residuals, expressed in tons, to be stored at the facility, in accordance with Rule 62-711.530(2), F.A.C.

	Outdoor Storage(tons)	Outdoor Storage (sq.ft)	Indoor Storage (tons)	Indoor Storage (sq.ft)	**Total Storage (tons)**
Whole waste tires:	320	18,785			320
Processed tires:					
Processing residuals:					
TOTALS:	320	18,785			320

D. For reporting quantity of tires in tons, tires will be: weighed on site ■ weighed off site ☐ weights will be calculated ☐

E. Facilities that will not be disposing of processed tires or processing residual on the facility site must indicate the permitted solid waste management facility where processed tires or residuals will be disposed.

1. Name of facility Angelo's Recycled Materials
2. Street address: 855 28th Street South
3. City: Saint Petersburg County: Florida Zip: 33712

F. Facilities that will be delivering processed tires to consuming facilities must describe the existing or proposed markets for those processed tires.

Angelo's Recycled Materials provides collection of waste tires for recycle or disposal services.

Part III-Attachments:

A. Facility design

NOTE: All maps, plan sheets, drawings, isometrics, cross sections, or aerial photographs shall be legible; be signed and sealed by a registered professional engineer responsible for their preparation; be of appropriate scale to show clearly all required details; be numbered, referenced to narrative, titled, have a legend of symbols used, contain horizontal and vertical scales (where applicable), and specify drafting or origination dates; and use uniform scales as much as possible, contain a north arrow and use NGVD for all elevations.

1. A topographic or section map of the facility, including the surrounding area for one mile, no more than one year old, showing land use and zoning within one mile of the facility
2. A plot plan of the facility on a scale of not less than one inch equals 200 feet. At a minimum, the plot plan shall include
   a. The facility design, including the location and size of all storage and processing areas for used tires, unprocessed waste tires,processed waste tires, and waste tire processing residuals;
   b. All wetlands and water bodies within the facility or within 200 feet of any storage area;
   c. Stormwater control measures, including ditches, dikes, and other structures;
   d. Boundaries of the facility, legal boundaries of the land containing the facility, and any easements or rights of way that are within the facility or within 200 feet of any storage area;
   e. Location, size, and depth of all wells within the facility or within 200 feet of any storage area;
   f. All structures and buildings that are, or will be, constructed at the facility; include those used in storage and processing operations;
   g. All areas used for loading and unloading;
   h. All access roads and internal roads, including fire lanes;
   i. Location of all fences, gates, and other access control measures; and
   j. Location of all disposal areas within the facility.

B. Facility operation.

1. A description of the facility's operation, process and products including how waste tires will be received and stored.
2. A description of the equipment used for processing tires. This description shall include the make, model, and hourly capacity of each piece of equipment.
3. Description of the waste from the process, the amount of waste expected and how and where this waste will be disposed of.
4. Statement of the maximum daily throughput and the planned daily and annual throughput.
5. A description of how the operator will maintain compliance with each of the storage requirements of Rule 62 - 711.540, F.A.C.
6. A copy of the emergency preparedness manual for the facility with a statement of the on site and off site locations where that manual will be maintained.
7. A copy of the fire safety survey
8. A description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling.

C. Completed closing plan for the facility as required by Rule 62-711.700(2) and (3), F.A.C.

D. Attach proof of financial responsibility as requirement by Rule 62 -711.500(3) OR a calculation showing that financial assurance documents, currently on file with the Department, are sufficient to assure closing of the waste tire site as well as any other solid waste management facility at that location.

E. A letter from the land owner (if different from applicant) authorizing use of the land as a waste tire pr ocessing facility.

F. If waste tires will be consumed or diposed of at the facility, attach a description of the other environmental permits that the applicant has for this use, including, permit number, date of issue, and name of issuing agency

G. The permit fee as required in Rule 62-4, F.A.C.

Part IV-Certification:

A. Applicant:

The undersigned applicant or authorized representative of Manatee County Solid Waste Division Is aware that statements made in this form and attached information are an application for a renewal of a Permit from the Florida Department of Environmental Protection and certifies that The information in this application is true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chap ter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Department will be notified prior to the sale or legal transfer of the facility.

Signature of Applicant or Authorized Agent

C. Mike Gore, Director
Name and Title

2/15/19
Date

B. Professional Engineer registered in Florida.

This is to certify that the engineering features of this waste tire processing facility have been Designed/examined by me and found to conform to engineering principals applicable to such facilit ies. In my professional judgment, this facility, when properly maintained and operated will comply with all applicable statues of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions for proper maintenance and operation of the facility.

Signature

SCS Engineers, 3922 Coconut Palm Drive, Ste 102
Mailing Address

Carlos A. Restrepo, P.E., Project Manager
Name and Title

Tampa, FL 33619. Cert. Auth. # 4892
City, State, Zip

70208
Florida Registration Number

813-804-6727
Telephone number

(please affix seal)



2/21/19
Date

Lena Road Landfill
Waste Tire Processing Facility
Permit Renewal Application

Manatee County
Utilities Department
Solid Waste Division
3333 Lena Road
Bradenton, FL 34211

SCS ENGINEERS

09217088.08 | February 11, 2019

3922 Coconut Palm Drive, Suite 102
Tampa, FL 33619
813-621-0080

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Appendix B Storage Pad Calculations and Maximum Storage Capacity
Appendix C Emergency Preparedness Manual and Fire Safety Survey
Appendix D WTPF Equipment Specifications
Appendix E Waste Tire Quarterly Progress Reports

1.0 INTRODUCTION

On behalf of the Manatee County Utilities Department, Solid Waste Division (SWD), SCS Engineers, Inc. (SCS) has prepared this Engineering Report (Report) for the permit renewal application of the Waste Tire Processing Facility (WTPF) located at the Manatee County Lena Road Landfill, 3333 Lena Road, Bradenton, Florida (south of State Road 64, 1 mile east of I-75) in Manatee County.

1.1 SITE INFORMATION

The Lena Road WTPF is operated to meet the operation requirements of Rules 62-711.540 and 550 F.A.C. The Lena Road WTPF is located north of the Household Hazardous Waste Facility with an approved footprint of approximately 18,785 square feet, Refer to Figure 1, Existing Site Plan and Appendix A for the WTPF Record Drawing dated September 5, 2008. A maximum storage of 320 tons of waste tires is allowed by the Florida Department of Environmental Protection (FDEP) Permit No. 126654-004-WT-02. The SWD receives approximately 1,900 tons of waste tires at the Lena Road WTPF each year. These waste tires are brought to the site by the public, waste tire collectors, commercial entities, removed by Manatee County landfill spotters from solid waste deposited at the active landfill working face, or collected from illegal dumpsites. The tires are weighed and placed in a waste tire pile at the WTPF. Any unauthorized materials erroneously brought to the Lena Road WTPF are rejected, and directed to the appropriate area for proper solid waste management. The SWD has contracted with a contractor to regularly remove the waste tires from the WTPF as needed. There is no processing of waste tires at the Manatee County WTPF.

2.0 WTPF DESIGN AND MAXIMUM CAPACITY

Waste tires are not processed at the Lena Road WTPF. Waste tires are received, temporarily stored and subsequently removed and transferred to an off-site FDEP-approved processing facility. The WTPF provides for storage of 320 tons of waste tires. Refer to maximum storage capacity calculations provided in Appendix B.

Rule 62-711.530(3) states that at least 75% of the whole tires, used tires, and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year shall be processed and removed for disposal or recycling from the facility during the year or disposed on the site at a permitted solid waste management facility. The SWD will continue to operate and remove 75% of the whole waste tires accepted to the WTPF in each calendar year.

The WTPF Site Plan is shown on Appendix A. The WTPF includes an approved concrete pad footprint of approximately 85-feet by 221-feet (18,785 square feet). The WTPF includes four-foot high concrete side walls along each end of the concrete pad. A 50-foot fire access lane divides the storage area (north-south direction) and provides for ingress and egress at the WTPF. Tire storage piles are located towards each end of the concrete pad. No changes to the perimeter or concrete walls are proposed as part pf this permit renewal application.

Whole tires received at the WTPF are placed on two storage piles each with an approximate dimension of 50-foot by 70-foot (7,000 total square feet). The storage piles are stacked no higher than 15 feet. Each pile can store up to approximately 160 tons of whole tires. Based on pad dimensions and estimated stockpile heights, an estimated total volume of 1,600 cubic yards (cy) or 320 tons of whole tires can be stockpiled at the WTPF. Refer to the tire storage pad calculations

provided in Appendix B and Figure 1, Existing Site Plan. Whole tires are stored in accordance with the storage requirements listed in Rule 62-711.540 F.A.C.

3.0 STORMWATER DESIGN

The WTPF is located within a paved perimeter road that also surrounds the white goods disposal area and access ramp for tires and white goods loading. Stormwater run-off drains to three (3) culverts beneath the perimeter road. Refer to Figure 2, Flood Plain, Wetlands and Surface Water Body Location Map. The majority of the stormwater run-off from the WTPF is directed southwest to an open concrete apron where it is conveyed to the first southern stormwater swale. From the first southern stormwater swale the run-off is then conveyed to the second southern stormwater swale before it finally discharges west and into open area immediately south of the stormwater pond.

Normally the culverts are open. In case of a waste tire pile fire, the three (3) stop gate valves on the culverts will be closed, and the road will act as a berm around the waste tire pile. Run-off from the fire will be trapped in the area between the WTPF and the perimeter road berm, and will be prevented from entering the storm water system. This berm gives the WTPF adequate protection to keep liquid runoff from a waste tire pile fire from entering water bodies. No changes to the stormwater design are proposed as part pf this permit renewal application.

Procedures for managing runoff in the event of a tire fire are provided in the WTPF Emergency Preparedness Manual. Refer to Appendix C for a copy of the Emergency Preparedness Manual and Appendix A for the WTPF Survey Record Drawing.

4.0 WTPF OPERATIONS

Vehicles delivering waste tires to the WTPF enter through the Lena Road Landfill main gate and are weighed at the time of entry and exit from the Landfill to establish the net weight of tires delivered to the WTPF. A sign stating the site operating hours, cost of disposal and site rules is located at the main gate. When the delivery vehicle enters the scale area, pertinent information about the delivery vehicle, including the date, type of vehicle, weight of material to be disposed of, daily transaction number and any other information pertaining to account name or status is recorded. Haulers are then directed to proceed to the WTPF which is marked with proper signs.

The SWD employees are responsible for operating and maintaining the WTPF during all hours of operation. SWD personnel at the WTPF observe the unloading of waste tires and adhere to the storage requirements listed in Rule 62-711.540, F.A.C. The person delivering the tires is instructed to unload the tires and to stack them inside the WTPF.

No other waste materials are accepted at the WTPF. Haulers with other waste are re-directed to the scales to re-weigh the remaining load without the tires and then directed to the appropriate disposal areas for the materials. Any putrescible material inadvertently received at the WTPF is removed and disposed of in the Class I landfill area. Landfill personnel inspect the Waste Tire Processing Facility several times each day restacking or straightening the tires as needed.

The SWD contracts with a private contractor who regularly removes the waste tires from the WTPF as needed to an off-site FDEP-approved processing facility. This may vary from weekly to monthly depending on the number of tires received.

5.0 WTPF OPERATIONS EQUIPMENT

The tire operations equipment used at the WTPF is listed in Table 1. There is no processing of tires at the WTPF. Instead, a wheel loader is used several times a week to compile the tires into the designated piles and assist the SWD contracted waste tire collector during loading for disposal. The wheel loader has the potential to operate 2,080 hours per year (8 hours per day, 5 days per week, and 52 weeks per year). This is a conservative estimate because wheel loader is used based on amount of tires delivered and is not operated continuously during a work week. Refer to Appendix D for a copy of the WTPF equipment specifications.

Table 1. Tire Operations Equipment

Equipment	Make / Model	Operating Schedule (hrs/yr)
Wheel Loader	Caterpillar Model No. 950K	2080

6.0 VECTOR CONTROL

The WTPF does not accept putrescible waste; therefore, there are no current or anticipated rodent problems. The SWD personnel proactively inspects the storage piles daily. In the event rodents appear to be a problem at the WTPF, the SWD or a licensed pest control service will be brought to the site to investigate and address the problem. Mosquitoes are controlled by preventing and removing standing water, removing tires on a first in - first out basis and spraying the pile with insecticides if necessary. Once a year all tires are removed and the concrete pad is washed down.

7.0 REPORTING AND RECORD KEEPING

Operation records, quarterly and annual reports, and annual fire inspection surveys are maintained at the Lena Road Administration Building. In accordance with Rule 62-711.530(4), F.A.C., the SWD compiles and submits quarterly reports to the FDEP. In accordance with Rule 62-711.540, F.A.C., fire safety surveys are conducted at the property annually and submitted to FDEP with the annual reports. Refer to Appendix E for the Waste Tire Quarterly Progress Report Summary Table listing the annual tonnage of tires received and processed at the WTPF.

The Lena Road WTPF Emergency Preparedness Manual is kept in the Lena Road Administration Building /Scale house. The manual is updated at least once a year, and upon changes in operations at the site. Refer to Appendix C for a copy of the Emergency Preparedness Manual and most recent Fire Safety Survey for the WTPF.

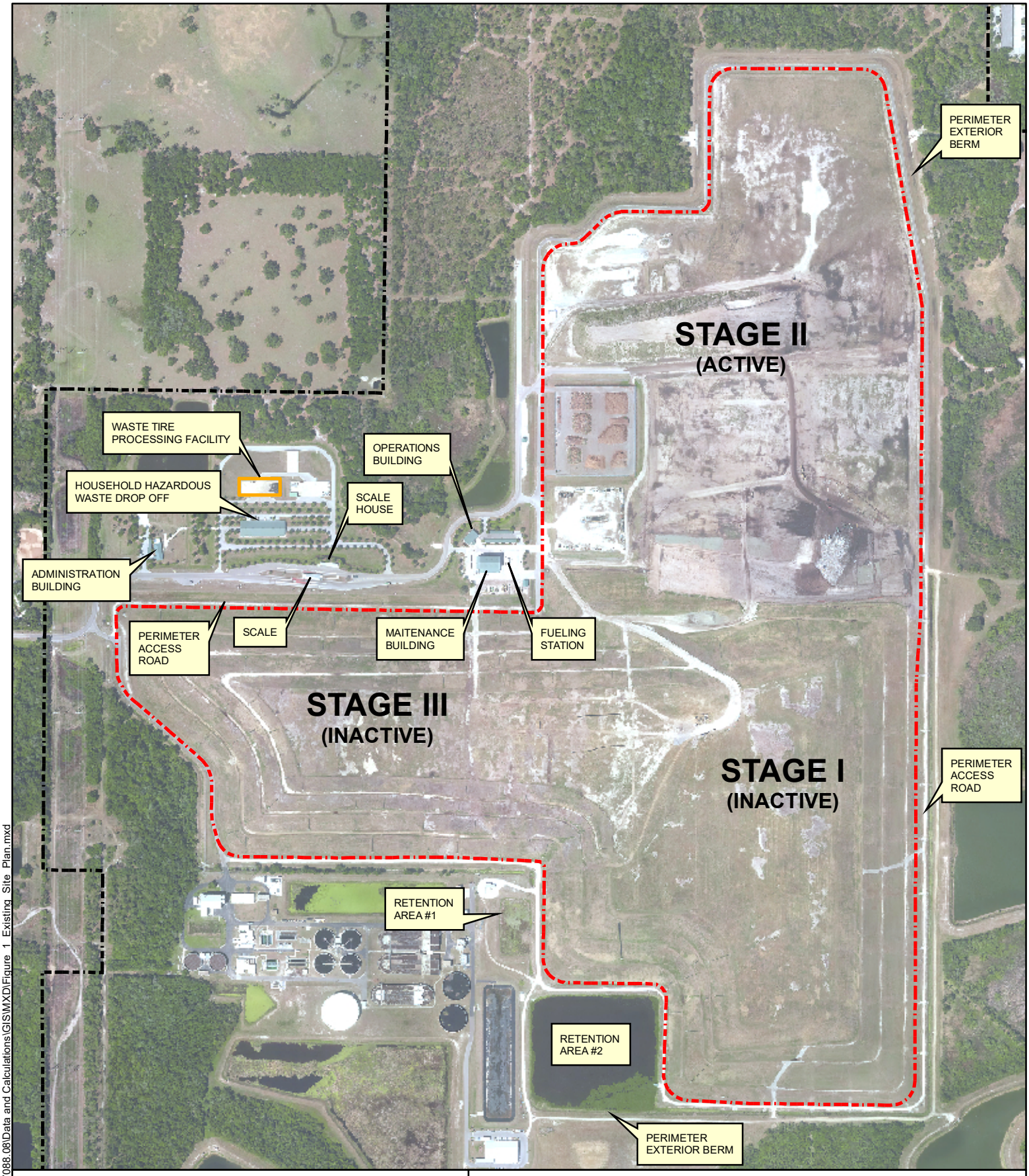
8.0 FINANCIAL ASSURANCE

The financial assurance cost estimate submitted to FDEP as part of the Operation Permit Renewal, dated October 27, 2015, and subsequent responses dated December 18, 2015, prepared by Atkins North America, Inc., included the closure and long-term care costs for the Lena Road Class I Landfill including the WTPF. The approved 2018 inflation factor financial assurance cost estimate, dated February 26, 2018, prepared by SCS remains valid. Per previous clarification by FDEP staff on January 2019, a financial assurance recalculated estimate is not required at the time of this submittal. No changes are proposed to financial assurance requirements as part of this WTPF permit renewal application.

9.0 CLOSURE PLAN

Closure of the WTPF will include stopping public access to the site. Notices to the public will be posted indicating the site is closed and providing the phone number of the SWD. The FDEP will be notified and upon determination of public access, a 10-week period will be implemented for processing of waste tires and site rehabilitation.

Site rehabilitation will consist of removal and disposal of all processed tires on site. Facility residuals and equipment will be removed and the site cleaned as necessary. The FDEP will be notified when the site closing and rehabilitation is complete.



Legend

- PROPERTY BOUNDARY
- LIMITS OF WASTE
- WASTE TIRE PROCESSING FACILITY

Source:
Aerial- Pickett, 3/22/2018

FIGURE 1
EXISTING SITE PLAN
LENA ROAD LANDFILL
MANATEE COUNTY, FL

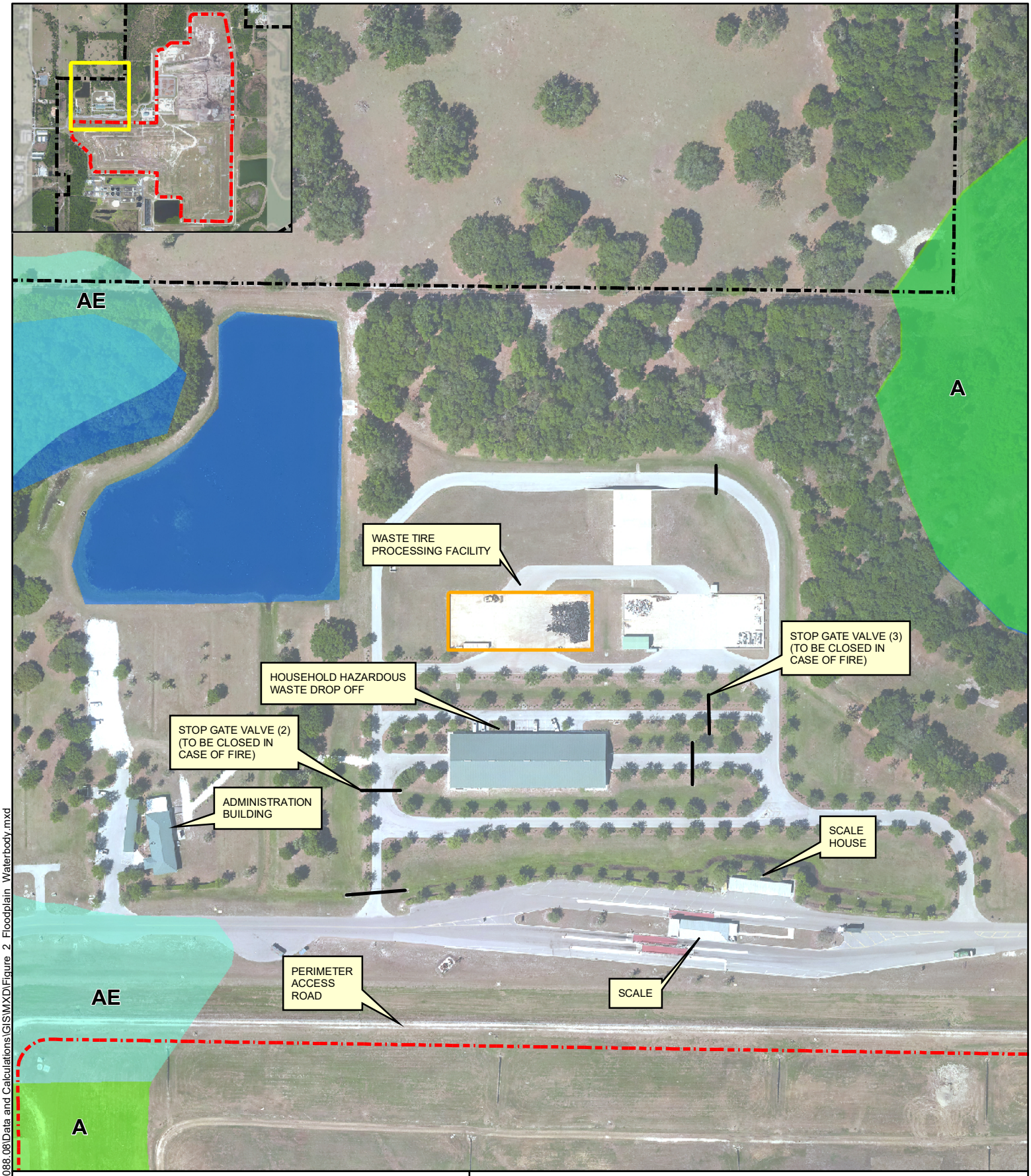
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0 350 700 Feet

N

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Legend

- PROPERTY BOUNDARY
- LIMITS OF WASTE
- WASTE TIRE PROCESSING FACILITY
- CULVERTS
- A: 1% Annual Chance of Flooding, no BFE
- AE: 1% Annual Chance of Flooding, with BFE
- Wetlands and Surface Waters

Source:
Aerial- Pickett, 3/22/2018; Floodzones- FEMA, Surface Water- SWFWMD, 2011

FIGURE 2
FLOODPLAIN, WETLANDS AND SURFACE WATER BODY LOCATION MAP
LENA ROAD LANDFILL
MANATEE COUNTY, FL

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0 100 200 Feet

N

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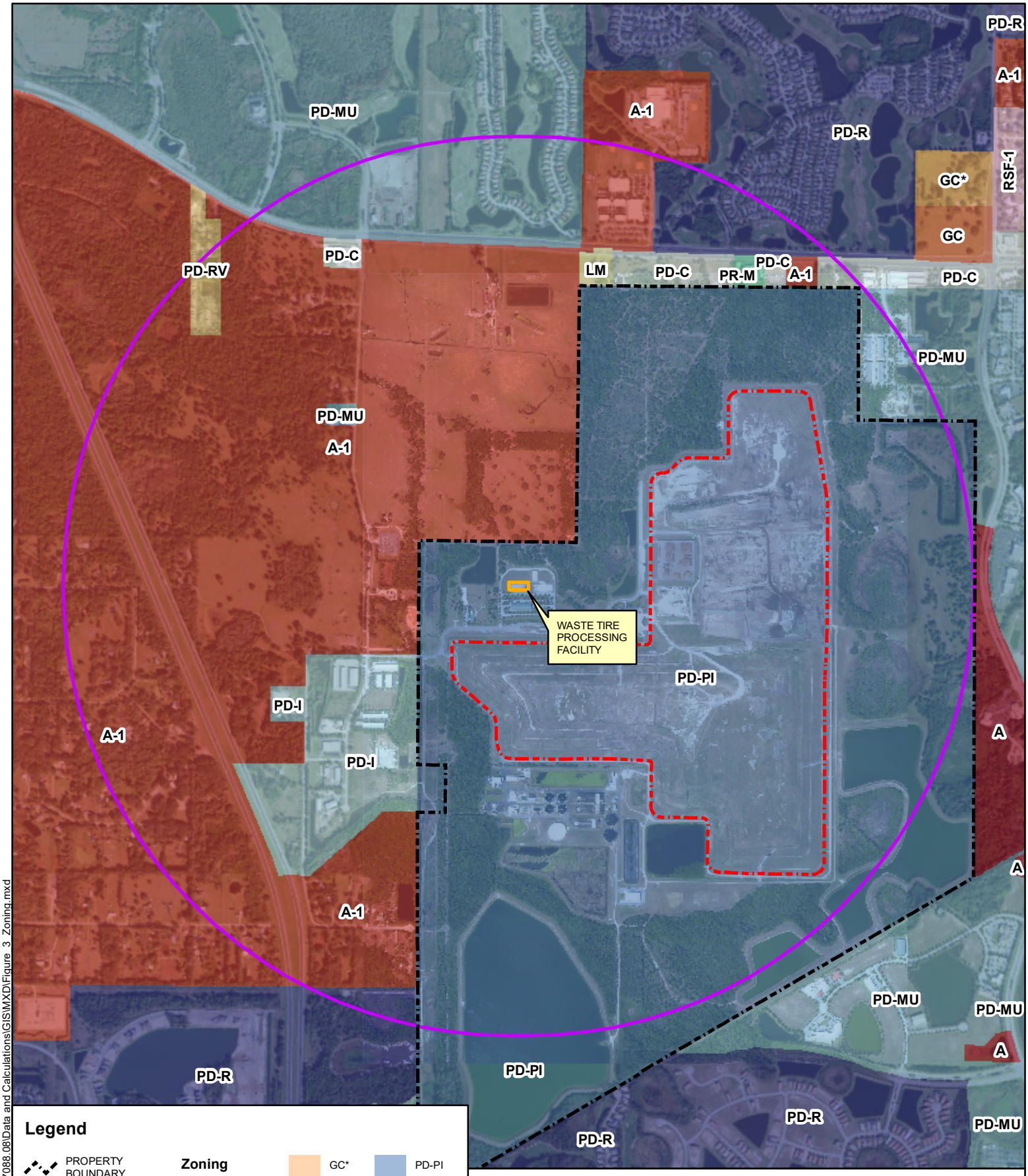


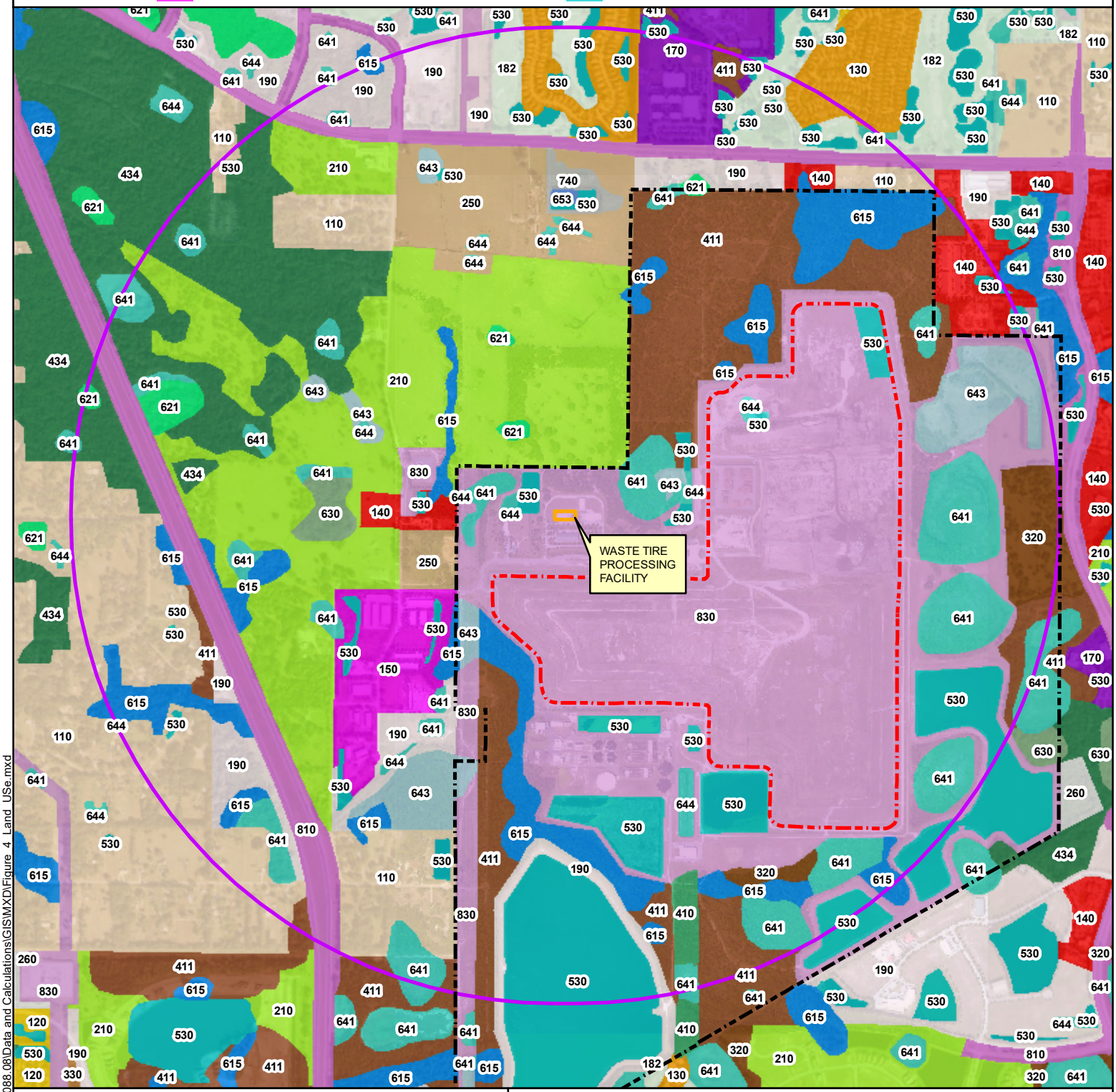
FIGURE 3
ZONING MAP
LENA ROAD LANDFILL
MANATEE COUNTY, FL

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0 750 1,500 Feet

N



Legend

- PROPERTY
- LIMITS OF WASTE
- WASTE TIRE PROCESSING FACILITY
- WASTE TIRE PROCESSING FACILITY 1-MILE BUFFER

Source:
Aerial- Pickett, 3/22/2018; Land Use/ Land Cover- SWFWMD, 2011

FIGURE 4
LAND USE MAP
LENA ROAD LANDFILL
MANATEE COUNTY, FL

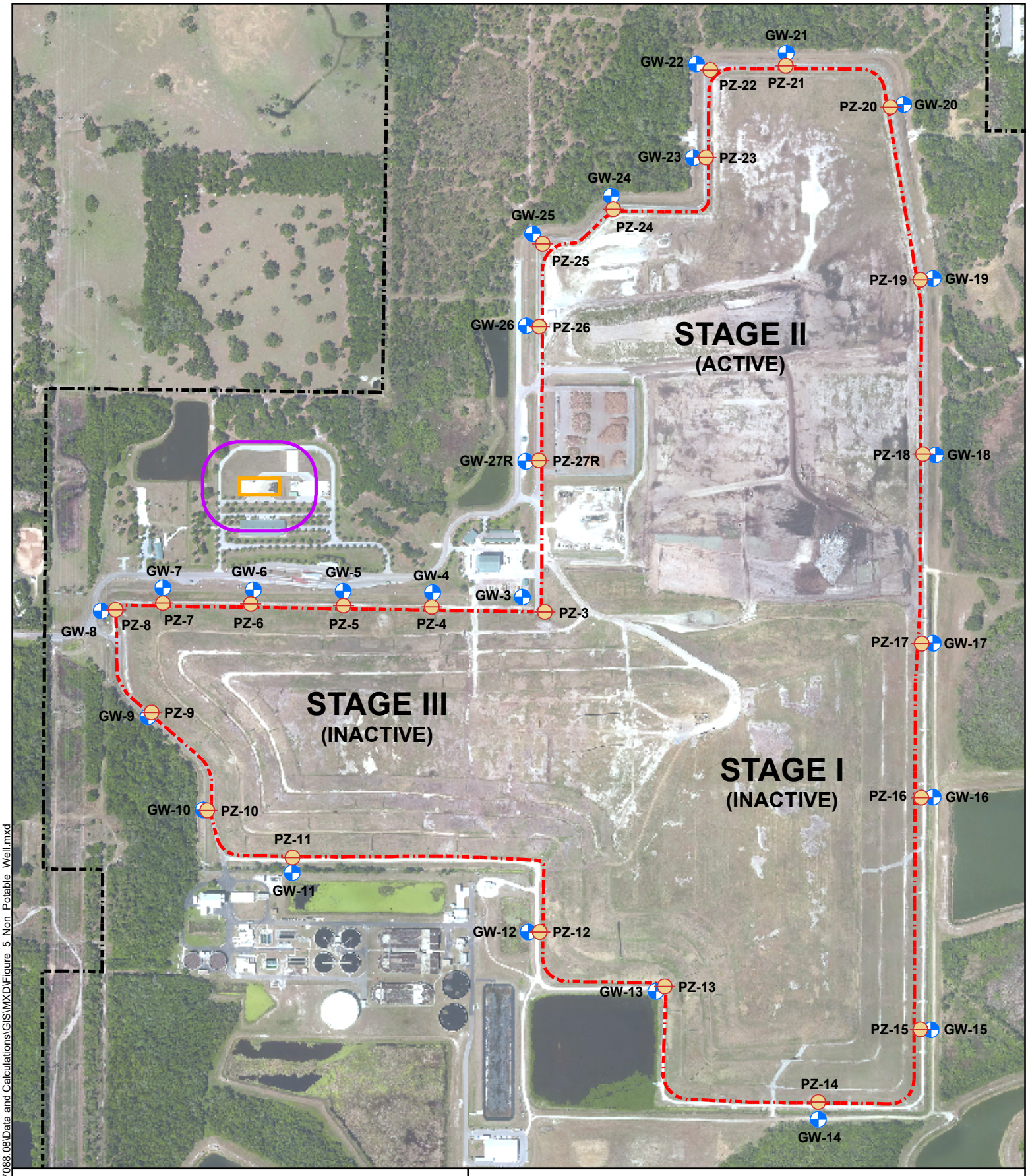
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0 750 1,500 Feet

N

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Legend

- PROPERTY BOUNDARY
- LIMITS OF WASTE
- WASTE TIRE PROCESSING FACILITY
- WASTE TIRE PROCESSING FACILITY 200 FOOT BUFFER

Well Type

- MONITORING WELL
- PIEZOMETER

Source:
Aerial- Pickett, 3/22/2018; Wells- SCS, 2018

Note- no supply wells present per search of SWFWMD well construction permits.

FIGURE 5
NON-POTABLE WELLS MAP
LENA ROAD LANDFILL
MANATEE COUNTY, FL

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0 350 700 Feet

N

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APPENDIX A

WTPF Record Drawing dated September 5, 2008

N O R T H

50 0 50 100

SCALE : 1"=50

LEGEND

W W	EXISTING WATER LINE
SS SS	EXISTING SANITARY SEWER LINE
OHW OHW	EXISTING OVERHEAD WIRE
SD SD	PROPOSED STORM
W W	PROPOSED WATER LINE
SS SS	PROPOSED SANITARY SEWER LINE
RWM	PROPOSED RECLAIMED WATER MAIN
ERC	PROPOSED EROSION CONTROL SILT FENCE
37.80	PROPOSED ELEVATION
37.7	EXISTING ELEVATION
←	STORM WATER FLOW DIRECTION
34	EXISTING CONTOUR
34	PROPOSED CONTOUR
	PROPOSED WHEEL STOP
⊙	PROPOSED GALVENIZED COLUMN
	PROPOSED CONCRETE
	PROPOSED ASPHALT "LOCAL RURAL RESIDENTIAL"
	PROPOSED ASPHALT "RURAL INDUSTRIAL"
M.E.	MATCH EXISTING GRADE
	PROPOSED ROAD WIDENING

NOTES:

1. BUILDINGS AND DUMPSTER ENCLOSURE (WITH WALLS) TO BE CONSTRUCTED BY OTHERS (NIC). CONTRACTOR SHALL COORDINATE THE SEQUENCE OF THE BUILDING CONTRACTOR'S OPERATIONS AS REQUIRED BY THE SPECIFICATIONS.

NOTE:
BASELINE "A" IS BASED ON NORTH LINE OF THE DROP-OFF BUILDING. THE NORTHWEST BUILDING CORNER BEING 12+00 AND THE NORTHEAST BUILDING CORNER BEING 14+43. BASELINE "A" BEGINS WITH STATION 10+00 AND ENDS AT STATION 18+00

BASELINE "B" IS BASED ON THE WALL FOR THE LOADING RAMP AT THE DROP OFF SITE. THE NORTHWEST CORNER BEING 24+03.43 AND THE NORTHEAST CORNER BEING 25+71.37 BASELINE "B" BEGINS WITH STATION 20+00 AND ENDS AT STATION 28+00

POND NO. 1

SEE CONCRETE FLUME DETAIL ON THIS SHEET

PROPOSED SWALE INVERT 31.32

PROPOSED SWALE INVERT 31.50

BASELINE "B"

BASELINE "A"

CORNER OF WALL STA.24+03.43, 0.00RT

CORNER OF WALL STA.25+71.37, 0.00RT

BUILDING CORNER STA.12+00, 0.00RT

BUILDING CORNER STA.14+43, 0.00RT

SUMP AREA AROUND M.E.S.

RETAINING WALL (SEE DETAIL)

NOTE: GRADE FOR POSITIVE DRAINAGE

18" STOP GATE

4' CMU BLOCK (TYP.) (SEE DETAIL)

100 LF-18" RCP

55 LF-15" RCP

55 LF-18" RCP

51 LF-15" RCP

51 LF-18" RCP

73 LF-18" RCP

76 LF-36" RCP

48 LF-18" RCP

FINISH FLOOR ELEV. =37.70

CROWN ROAD AT ALL PROPOSED WIDENING AREAS (TYP.). SLOPE NEW SECTION OF ROADWAY TO CENTER SWALE @ 2% (MAX). REBUILD SHOULDER AND SOD AND/OR SEED DISTURBED AREAS AS APPROPRIATE. ASPHALT PAVEMENT TO BE 8" FULL DEPTH OVER COMPACTED SUBBASE (SUBBASE PER COUNTY DETAIL).

TOS OF FLUME TO MATCH TOS OF PROPOSED SWALE

PROPOSED SWALE INVERT 31.94

TOB = 34.0
TOS = 32.0

TOB = 34.4
TOS = 32.4

FILL IN EXISTING SUMP AREA

PROPOSED 10" PVC REUSE

NO.	REVISION	DATE	BY
1.	ADDED FLUMES	10/07/08	DVE
2.	SCALED FLUME GRADES	10/14/08	DVE
3.	ADDED WIDENING & PARKING	11/08/08	DVE
4.	ADDED NEW BASELINE PER COUNTY COMMENTS	12/12/08	DVE

Hyatt Survey Services, Inc.
11007 8TH AVENUE EAST BRADENTON, FLORIDA 34212
PH. (941) 748-4693 FAX (941) 744-1643

CADD FILE: C-6,8,10,12,14	PROJ MAN: DVE	DRAWN BY: DVE	CHECKED BY: RPH
PROJ.:07-1346	FB 110, PG 75	FIELD DATE:12/4/07	SCALE:

RECORD DRAWING
THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
RUSSELL P. HYATT, P.S.M.
FLORIDA SURVEYORS REGISTRATION NO. 5303

Post, Buckley, Schuh, & Jernigan, Inc., D/B/A
PBS&J
PRINCIPAL ADDRESS
2001 NW 107th AVE
MIAMI, FLORIDA 33172-2507
FBPR CERT. OF AUTH. NO. 24
PRODUCTION ADDRESS
2830 FRUITVILLE ROAD
SUITE 130
SARASOTA, FLORIDA 34237
Ph. (941) 954-4036

CLIENT
MANATEE COUNTY
PROJECT MANAGEMENT DEPARTMENT
1026 26TH AVENUE EAST
BRADENTON, FLORIDA 34208

PROJECT
LENA ROAD LANDFILL - PHASE II
CONSTRUCTION PACKAGE NO. 1
SITEWORK

TASK
COMMUNITY DROP-OFF
PAVING, GRADING & DRAINAGE PLAN

ORIGINAL DATE: 10/31/06
REVISIONS:
1 SLOTTED CURB 02/06/07
2 ASPHALT LIMITS/TYPE 2/14/07
3 STOP GATE LABEL 2/16/07
4 FLOW ARROWS, M.E.S. AND ASPHALT NOTE 06/20/07
5 RETAINING WALL LENGTH 07/11/07
6 MITERED END SECTION, SWALE, SLOTTED CURB REMOVAL 07/18/07
7 CROSS SECTION F,G,H,I 08/30/07
8 ROAD WIDENING 07/11/08
9 ROADWAY RADII 09/05/08
10
11
12

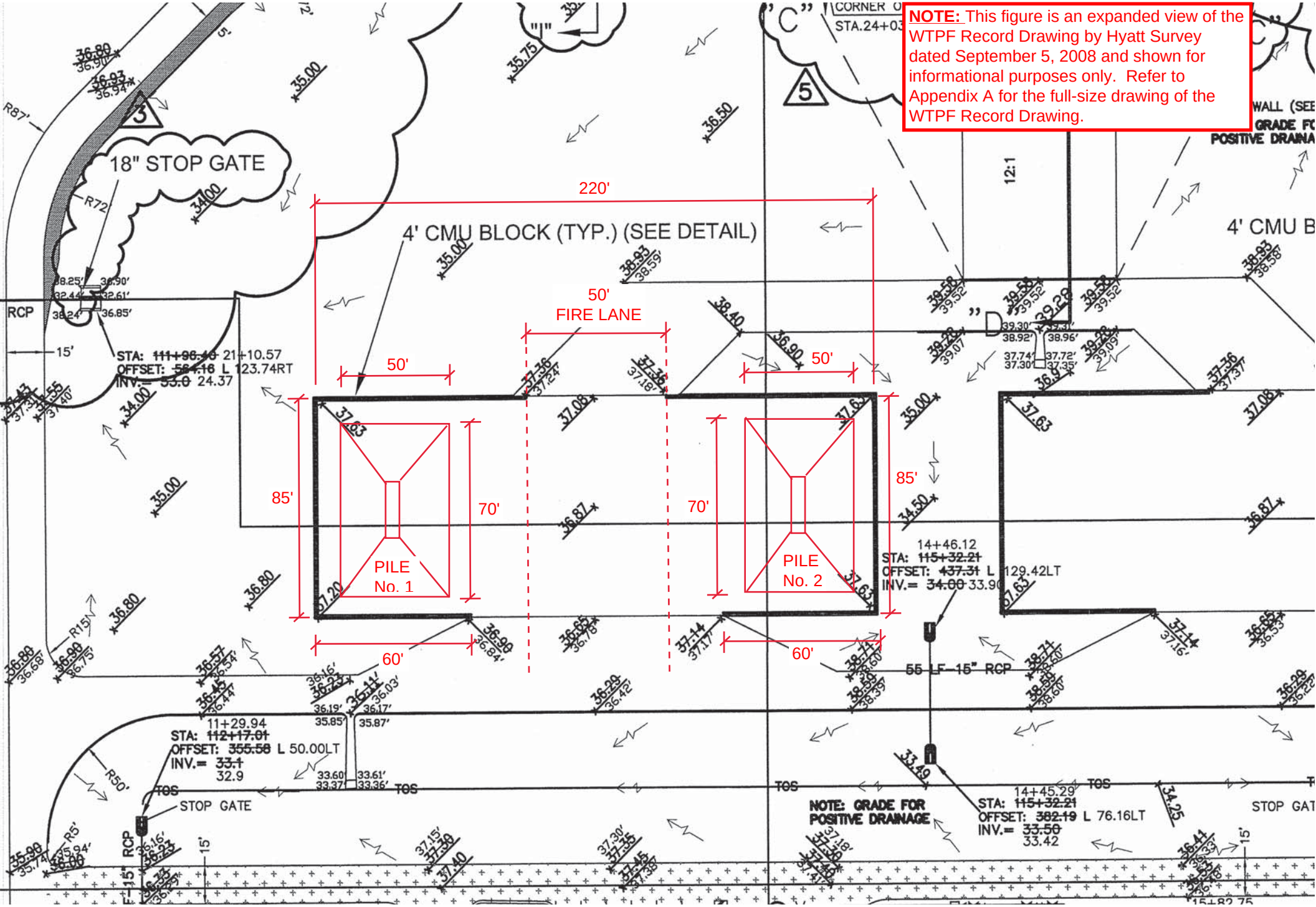
09/05/08
R. MICHAEL PEEL, P.E. Date
FL# 60211

PBS&J NO. 120498.13
DATE 09/05/08
DRAWN JEI
CHECKED ADR
QC BMP
SHEET C-14

JAN 19 2009

APPENDIX B

Storage Pad Calculations and Maximum Storage Capacity


NOTE: This figure is an expanded view of the WTPF Record Drawing by Hyatt Survey dated September 5, 2008 and shown for informational purposes only. Refer to Appendix A for the full-size drawing of the WTPF Record Drawing.
18" STOP GATE
220'
4' CMU BLOCK (TYP.) (SEE DETAIL)
50'
FIRE LANE
50'
50'
85'
70'
PILE
No. 1
PILE
No. 2
85'
70'
60'
60'
12:1
STA: 111+96.40 21+10.57
OFFSET: 564.16 L 123.74RT
INV.= 33.0 24.37
14+46.12
STA: 115+32.21
OFFSET: 437.31 L 129.42LT
INV.= 34.00 33.90
55 LF 15" RCP
11+29.94
STA: 112+17.01
OFFSET: 355.58 L 50.00LT
INV.= 33.1
32.9
STOP GATE
NOTE: GRADE FOR
POSITIVE DRAINAGE
14+45.29
STA: 115+32.21
OFFSET: 382.19 L 76.16LT
INV.= 33.50
33.42
RCP
15'
R87'
R72'
R15'
R50'
R5'
TOS

Computation

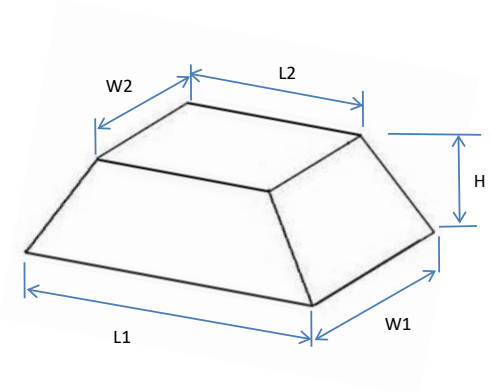
Project	Lena Road Waste Tire Processing Facility	Computed	CAR	Date	12/18/2018
Subject	Permit Renewal Application	Reviewed	DJM	Date	2/11/2018
Task	Pad Dimmensions and Volumes				

Whole Tire Storage Area

Tire Piles	1	2
Area (acre)[1]	0.08	0.08
Bottom (ft)		
Width W1	50.00	50.00
Length L1	70.00	70.00
Fill Height (ft)		
Height H	15.00	15.00
Top (ft)		
Width W2	5.00	5.00
Length L2	25.00	25.00
Pad Volume without void Space[2]		
Vol (ft^3)	21,432.19	21,432.19
Vol (yd^3)	793.78	793.78
Tires/Pad[3]	7,937.85	7,937.85
Storage/Pad (lb)[4]	317,513.91	317,513.91
Storage/Pad (ton)	158.76	158.76
Total Tire Volume (yd^3)	**1,587.57**	
Total Tire Storage (tons)	**317.51**	
Total Tire Storage (ft^2)	**7,000.00**	

Notes:

1. Refer to WTPF Site Plan and Layout Configurations for Pad Dimmensions (Attachment 1)
2. Pad Volume based on a frustum of a pyramid formula. Assume side slopes are 1 horizontal to 1 vertical
3. Based on 10 tires/yd^3. Conversion factor from Scrap Tire management Council (Attachment 2)
4. Storage/Pad based on a weight of 40 lbs. Assume tires received include 25% truck and 75% passenger (Attachment 2)



$$Volume = \left(\frac{H}{3}\right)[(W1xL1) + (W2xL2) + \sqrt{(W1xL1)x(W2xL2)}]$$

APPENDIX C

Emergency Preparedness Manual and Fire Safety Survey

Manatee County - Lena Road Landfill

WASTE TIRE PROCESSING FACILITY
EMERGENCY PREPAREDNESS MANUAL
2019

In the event of a fire, the following action should be taken:

1. Evacuate all people from the immediate area, and secure the area to minimize or prevent personal injury.

2. Immediately notify the Fire Department by dialing 911, and then notify the Solid Waste Operations Manager, Landfill Superintendent and other personnel. Their names and emergency and after hour contact numbers are given on page 2.

3. At the Waste Tire Processing Facility, close the stop-gate valve on the storm water culvert under the road, and located approximately 115-feet northwest of the waste tire pile. This valve needs to be closed to prevent runoff from entering the wetlands to the northwest.

4. Establish a command post away from the area to coordinate fire control and environmental protection efforts.

5. Use available fire extinguishers, soil, and water to control the fire as much as possible until the fire department can respond. Emergency response equipment located on-site is listed on page 3.

6. Once the fire is out, residual clean-up should be completed within seven days. Liquid residue and runoff waste from the fire fighting efforts shall be put in barrels or portable tanks and stored in the household hazardous waster storage facility. After testing to determine it the waste is hazardous or not, the waste shall be transported for disposal by a licensed waste management company specialized in this type of cleanup and disposal.

7. Within 24 hours of the incident, call the Florida Department of Environmental Protection – Solid Waste Section in Temple Terrace at 813/632-7600.

Manatee County - Lena Road Landfill WASTE TIRE PROCESSING FACILITY
EMERGENCY PREPAREDNESS MANUAL
EMERGENCY AND AFTER HOURS CONTACTS

Notify the Following Persons or Agencies in the Event of Fire or Other Emergency

Person/Agency	Telephone Number
Fire Department Chief Bryon Teates Braden River Fire Department	911 941-751-5611
Ambulance	911
Sheriff	911
C. Mike Gore, Director, Utilities Department	Cell phone: 941-405-9794 Office: 941-792-8811 x 5323
David L. Pickup, Manager, Special Waste	Cell phone: 941-962-7087 Office: 941-748-5543 x 8049
Jeanne Detweiler, Superintendent, Solid Waste Enforcement.	Cell phone: 941-812-4301 Office: 941-748-5543 x 8013
Bryan White, Landfill Superintendent	Cell phone: 941-812-2455 Office: 941-748-5543 x 8008
Anthony Detweiler, Landfill Operations Supervisor	Cell phone: 941-812-8796 Office: 941-748-5543 x 8016
Gus A. Difonzo, Deputy Director, Utilities Department	Cell phone: 941-313-0214 Office: 941-792-8811 x 5473
Department of Environmental Protection	Phone: 813-470-5700

Manatee County - Lena Road Landfill

WASTE TIRE PROCESSING FACILITY
EMERGENCY PREPAREDNESS MANUAL
EMERGENCY RESPONSE EQUIPMENT LOCATED ON-SITE

Equipment	Location	Use
Fire Extinguishers	Main office building, operations building, maintenance garage, scalehouse, fuel storage area, household hazardous waste building, all vehicles, all equipment	All types of fires
Water Wagon	On-site	Fight fire, protect nearby property
Portable Pumps and Hose	On-site at maintenance garage or at various locations of use	Pump water from stormwater ponds to fill water wagon or to fight fire directly
Front End Loader	On-site	Place soil on fire
Scraper	On-site	Haul soil to area of fire
Soil Stockpile	On-site cover soil stockpile located on landfill property	Smother fire
First Aid Kits	Main office building, operations building, maintenance garage, scalehouse, household hazardhouse waste building, and all vehicles	Minor cuts, abrasions, and burns, emergency first aid while awaiting paramedics
Portable Two Way Radios	Locations Vary	Emergency communication between County Departments and personnel in the field
Telephones	Main office building, operations building, maintenance garage, scalehouse, household hazardous waste building and cell phones	Emergency communications

East Manatee Fire Rescue

3200 Lakewood Ranch Blvd
Bradenton, Fl 34211
Office: 941-751-5611 Fax: 941-751-5910 E-mail: admin@emfr.org

IN CASE OF EMERGENCY Call 911

08/02/18

ANATEE COUNTY LANDFILL -TIRES

3333 Lena RD
BRADENTON, FL

Inspection # 128313

Property # 8802 **Occupancy Type** Storage

Inspection History

Inspection Date	Status	Inspected By
08/02/18	Completed	Inspector Carter



Inspector Carter

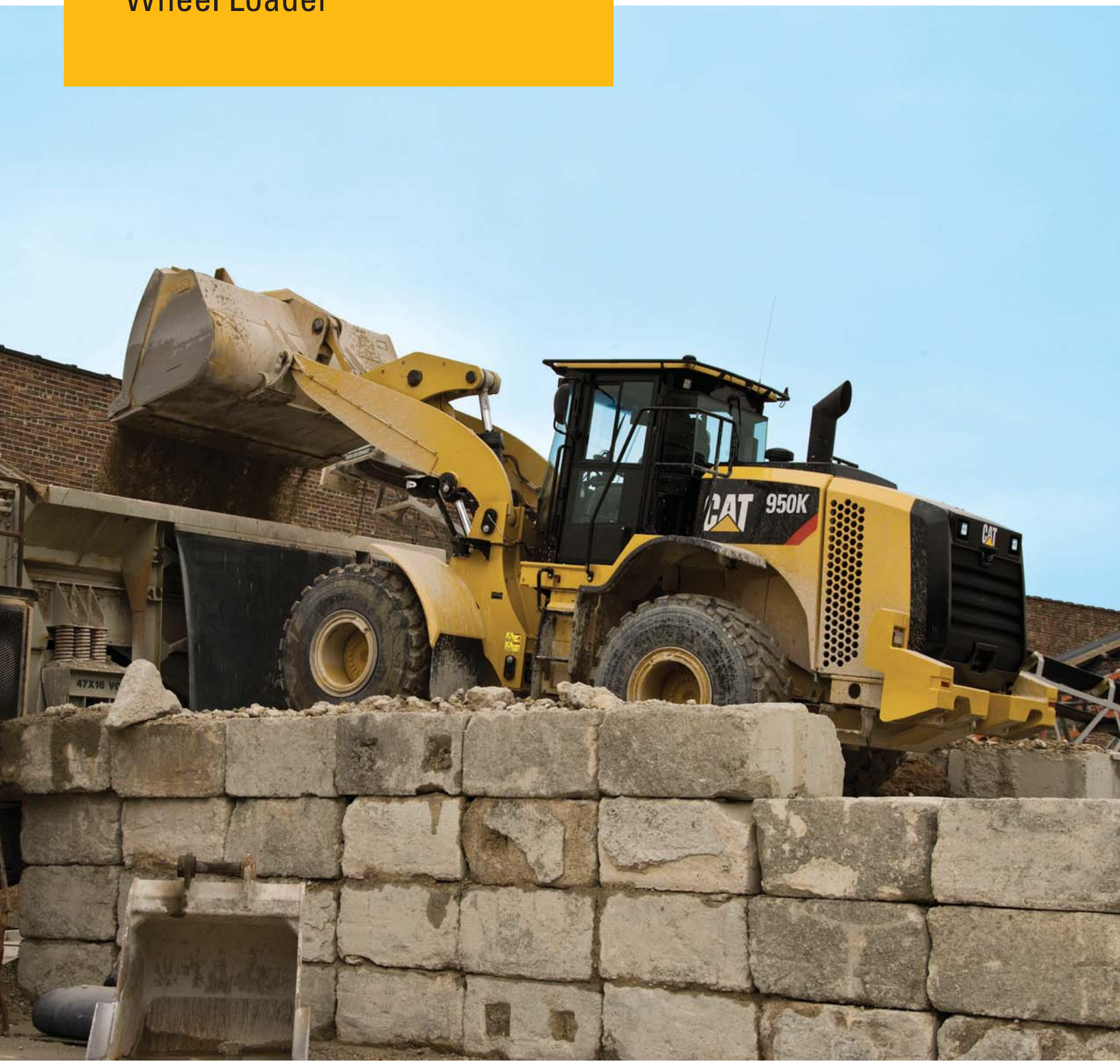
Inspection Remarks

No violations noted thank you!

APPENDIX D

WTPF Equipment Specifications

950K
Wheel Loader



Engine		
Engine Model	Cat® C7.1 ACERT™	
Max Net Power (1,900 rpm) – ISO 9249	157 kW	211 hp
Max Net Power (1,900 rpm) – SAE J1349	157 kW	211 hp

Buckets		
Bucket Capacities	2.50 to 9.20 m^3	3.25 to 12.00 yd^3
Weights		
Operating Weight	19 425 kg	42,811 lb

• For 3.1 m^3 (4.0 yd^3) general purpose buckets with BOCE.

950K Wheel Loader Specifications

Engine

Engine Model	Cat® C7.1 ACERT™	
Max Gross Power (1,900 rpm) – SAE J1995	173 kW	232 hp
Max Gross Power (1,900 rpm) – SAE J1995 (metric)	175 kW	234 hp
Max Net Power (1,900 rpm) – ISO 9249	157 kW	211 hp
Max Net Power (1,900 rpm) – ISO 9249 (metric)	159 kW	213 hp
Max Net Power (1,900 rpm) – SAE J1349	157 kW	211 hp
Max Net Power (1,900 rpm) – SAE J1349 (metric)	159 kW	213 hp
Max Net Power (1,900 rpm) – EEC 80/1269	157 kW	211 hp
Max Net Power (1,900 rpm) – EEC 80/1269 (metric)	159 kW	213 hp
Peak Gross Torque (1,300 rpm) – SAE J1995	1054 N·m	777 ft-lb
Peak Net Torque (1,400 rpm) – SAE J1349	988 N·m	729 ft-lb
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 L	427.8 in^3

- Cat engine with ACERT™ Technology – meets Tier 4 Interim/Stage IIIB emissions requirements.

Weights

Operating Weight	19 425 kg	42,811 lb

- For 3.1 m^3 (4.0 yd^3) general purpose buckets with BOCE.

Buckets

Bucket Capacities	2.50 to 9.20 m^3	3.25 to 12.00 yd^3

- Refer to bucket selection chart.

Operating Specifications

Static tipping load full 40° turn – ISO 14397-1*	11 008 kg	24,261 lb
Static tipping load full 40° turn – Rigid Tires**	11 774 kg	25,951 lb
Breakout Force	161 kN	36,203 lb

- For 3.1 m^3 (4.0 yd^3) general purpose buckets with BOCE.

* Full compliance to ISO (2007) 14397-1 Sections 1 thru 6, which requires 2% verification between calculations and testing.

** Compliance to ISO (2007) 14397-1 Sections 1 thru 5.

Transmission

Forward 1	6.9 km/h	4.3 mph
Forward 2	12.9 km/h	8.0 mph
Forward 3	22.7 km/h	14.1 mph
Forward 4	37.9 km/h	23.6 mph
Reverse 1	7.5 km/h	4.7 mph
Reverse 2	14.1 km/h	8.8 mph
Reverse 3	24.8 km/h	15.4 mph
Reverse 4	39.8 km/h	24.7 mph

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Hydraulic System

Steering System Pump Type	Piston	
Implement System – Maximum Pump Output (2,340 rpm)	340 L/min	90 gal/min
Implement System – Maximum Operating Pressure	26 200 kPa	3,800 psi
Implement System – Optional 3rd and 4th Function Maximum Flow	280 L/min	74 gal/min
Implement System – Optional 3rd and 4th Function Maximum Pressure	20 700 kPa	3,000 psi
Hydraulic Cycle Time – Raise from Carry Position	5.9 Seconds	
Hydraulic Cycle Time – Dump, at Maximum Raise	1.8 Seconds	
Hydraulic Cycle Time – Lower, Empty, Float Down	2.5 Seconds	
Hydraulic Cycle Time – Total	10 Seconds	

- Cycle time with rated payload.

Brakes

Brakes	Meet OSHA, SAE J1473 OCT90 and ISO 3450-1985 required standards

Axles

Front	Fixed	
Rear	Oscillating ± 13 degrees	
Maximum Single-Wheel Rise and Fall	481 mm	18.9 in

Tires

- Choose from a variety of tires to match your application.
- Choices include:
  23.5R25 VSW BS L2 Radial
  23.5R25 VUT BS L2 Radial
  750/65R25 VLT BS E3/L3 Radial
  23.5R25 VJT BS E3/L3 Radial
  23.5-25 SRG LD FS L3 Bias
  23.5R25 XHA2 MX L3 Radial
  23.5R25 XHA MX L3 Radial
  23.5R25 VMT BS L3 Radial
  725/70-25 LS 150 Titan L4 Bias
  23.5R25 XLDD2 MX L5 Radial
  Cat Flexport™
- NOTE: In certain applications (such as load and carry), the loader's productive capabilities might exceed the tires' tonnes-km/h (ton-mph) capabilities. Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model. Other special tires are available on request.

Cab

ROPS/FOPS	Meets SAE and ISO standards

- Cat cab with a four post integrated Rollover Protective Structure (ROPS) are standard in North America and Europe.
- ROPS meets SAE J1040 APR88 and ISO 3471:1994 criteria.
- Falling Objects Protective Structure (FOPS) meets SAE J231 JAN81 and ISO:1992 Level II criteria.

Sound

- The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.
- The operator sound pressure level for a standard machine configuration, measured according to the procedures specified in ISO 6396:2008, is 71 dB(A) with the cooling fan speed set at maximum value.
- The machine sound power level for a standard machine configuration, measured according to the procedures specified in ISO 6395:2008, is 110 dB(A) with the cooling fan speed set at maximum value.
- The machine sound pressure level for a standard machine configuration, measured according to the procedures specified in SAE J88:2006, is 75 dB(A). The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in an intermediate gear ratio, static hydraulic cycle (with no payload) and with the cooling fan speed set at maximum value.
- The operator sound pressure level for a machine installed with a Low Sound package, measured according to the procedures specified in ISO 6396:2008, is 69 dB(A) with the cooling fan speed set at maximum value.
- The machine sound power level for a machine installed with a Low Sound package, measured according to the procedures specified in ISO 6396:2008, is 107 dB(A) with the cooling fan speed set at maximum value.

Service Refill Capacities

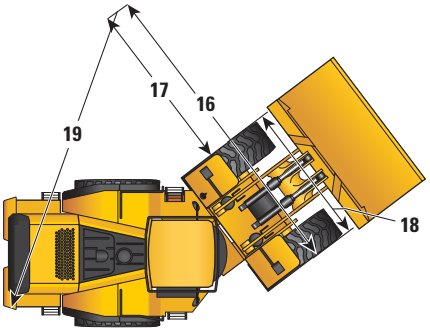
Fuel Tank – Standard	314 L	83 gal
Cooling System	60 L	15.9 gal
Crankcase	18 L	4.8 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – Front	43 L	11.4 gal
Differentials and Final Drives – Rear	43 L	11.4 gal
Hydraulic Tank	189 L	49.9 gal

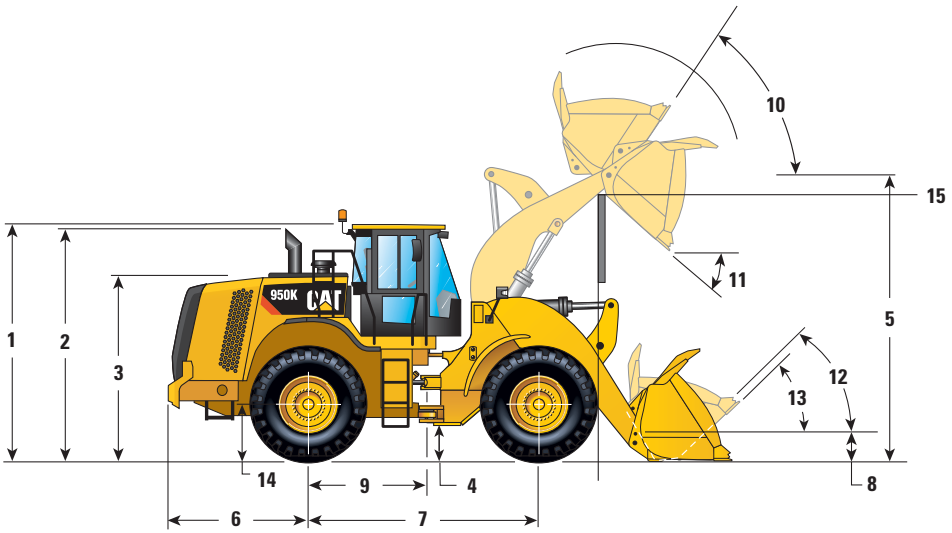
- All non-road Tier 4/Stage IIIB and IV, and Japan (MLIT) Step 4 diesel engines are required to use:
  – Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD and when the biodiesel feedstock meets ASTM D7467 specifications.
  – Cat® DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.

950K Wheel Loader Specifications

Dimensions

All dimensions are approximate and based on L3 Michelin XHA2 tires.





1	Height to Top of ROPS	3356 mm	11'0"
2	Height to Top of Exhaust Pipe	3099 mm	10'2"
3	Height to Top of Hood	2415 mm	7'11"
4	Ground Clearance With 23.5R25 (See Tire Option Chart for Other Tires)	397 mm	1'3"
5	B-Pin Height – Standard	4021 mm	13'2"
	B-Pin Height – High-Lift	4526 mm	14'10"
6	Center Line of Rear Axle to Edge of Counterweight	1905 mm	6'3"
7	Wheelbase	3350 mm	10'11"
8	B-Pin Height @ Carry – Standard	659 mm	26"
9	Center Line of Rear Axle to Hitch	1510 mm	4'11"
10	Rack Back @ Maximum Lift	59 degrees	
11	Dump Angle @ Maximum Lift	51 degrees	
12	Rack Back @ Carry	46 degrees	
13	Rack Back @ Ground	38 degrees	
14	Height to Center Line of Axle	688 mm	2'3"
15	Lift Arm Clearance	3275 mm	10'7"
	Lift Arm Clearance @ High Lift	3625 mm	11'9"

Turning Radius

All dimensions are approximate and based on L3 Michelin XHA2 tires.

16	Clearance Circle to Outside of Tires	5952 mm	19'6"
17	Clearance Circle to Inside of Tires	3233 mm	10'7"
18	Width Over Tires	2719 mm	8'11"
19	Clearance Circle to Outside Edge of Counterweight	6025 mm	19'9"

APPENDIX E

Waste Tire Quarterly Progress Reports

Utilities
Recycling
3333 Lena Road
Bradenton, FL 34211
Phone: (941) 748-5543
www.mymanatee.org/recycling

January 17, 2018

Mr. Ed Watson
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RE: Lena Road Landfill Quarterly Waste Tire Processing Facility Report
Fourth Quarter 2017
Waste Tire Permit #126654-004-WT/02

Dear Mr. Watson:

Enclosed is the above referenced report for the period of October 1, 2017 to December 31, 2017. The supporting reports are generated from the Lena Road Landfill Scalehouse. Only pertinent information from the reports is included in the waste tire report. This data includes Tires In, Tires Out, and Illegal Dumping – Tires. They are defined as follows:

- Tires In: Tires delivered to the Landfill by the general public.
- Tires Out: Tires which are removed from the waste tire storage area by the County's contracted vendor for processing.
- Illegal Dumping – Tires: Tires that are illegally dumped within Manatee County then subsequently picked up and delivered to the Landfill by various public agencies.

All tires delivered to the Landfill are stockpiled and subsequently removed from the site by a contracted vendor. No processing or consumption of tires occurs at the Landfill. Therefore, processed, adjusted and consumed tires have been recorded as zero. All other tire categories have been entered where appropriate. All tires recorded for this report are considered used tires.

If you should have any questions or need additional information, please feel free to call me at 941-748-5543, ext. 8016.

Sincerely,

Anthony Detweiler
Landfill Operations Maintenance Supervisor

Enc. 1

cc: Mike Gore, Director, Utilities Department
Robert Shankle, Solid Waste Division Manager
Bryan White, Landfill Superintendent
Daniel R. Cooper, P.E., Project Director, SCS Engineers

PRISCILLA TRACE * CHARLES B. SMITH * STEPHEN JONSSON * ROBIN DiSABATINO * VANESSA BAUGH * CAROL WHITMORE * BETSY BENAC
District 1 District 2 District 3 District 4 District 5 District 6 District 7

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(21)

Form Title: Waste Tire Processing Facility Quarterly Report

Effective Date: January 6, 2010

DEP Application No. _____ (Completed by DEP)

WASTE TIRE PROCESSING FACILITY QUARTERLY REPORT

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: Fourth Quarter 2017 (First quarter begins on January 1 of any given year)

1. Facility name: Manatee County Solid Waste Management Facility - Manatee County Utilities Department
2. Facility mailing address: 3333 Lena Road

   City: Bradenton County: Manatee Zip: 34211
3. Facility permit number: 12665-004-WT/02
4. Facility telephone number ( ) 941-748-5543 x8016
5. Authorized person preparing report: Anthony Detweiler
6. Affiliation with facility: Landfill Operations Maintenance Supervisor
7. Telephone number (if different from above): ( )
8. Activity: Report in tons

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	533.74	476.12			380.63		629.23
Other Whole Tires							
Processed Tires							
Processing Waste							
Other							
Total	533.74	476.12			380.63		629.23

a. Explain all inventory adjustments.

b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved?

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach Additional sheets, if necessary.

9. Certification: To the best of my knowledge and belief, I certify the information provided in this report is true, accurate, and complete.

Anthony Detweiler, Landfill Operations Supervisor		January 17, 2018
Print Name of Authorized Agent	Signature of Authorized Agent	Date

Mail completed form to the appropriate District office listed below

Northwest District	Northeast District	Central District	Southwest District	South District	Southeast District
160 Government Center	7825 Baymeadows Way, Ste. 200 B	3319 Maguire Blvd., Ste. 232	13051 N. Telecom Pky.	2295 Victoria Ave., Ste. 364	400 North Congress Ave.
Pensacola, FL 32501-5794	Jacksonville, FL 32256-7590	Orlando, FL 32803-3767	Temple Terrace, FL	Fort Myers, FL 33902-2549	West Palm Beach, FL 33401
850-595-8360	904-807-3300	407-894-7555	813-632-7600	239-332-6975	561-681-6600

Utilities
Recycling
3333 Lena Road
Bradenton, FL 34211
Phone: (941) 748-5543
www.mymanatee.org/recycling

April 16, 2018

Mr. Steve Tafuni
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RE: Lena Road Landfill Quarterly Waste Tire Processing Facility Report
Second Quarter 2018
Waste Tire Permit #126654-004-WT/02

Dear Mr. Watson:

Enclosed is the above referenced report for the period of January 1, 2018 to March 31, 2018. The supporting reports are generated from the Lena Road Landfill Scalehouse. Only pertinent information from the reports is included in the waste tire report. This data includes Tires In, Tires Out, and Illegal Dumping – Tires. They are defined as follows:

- Tires In: Tires delivered to the Landfill by the general public.
- Tires Out: Tires which are removed from the waste tire storage area by the County's contracted vendor for processing.
- Illegal Dumping – Tires: Tires that are illegally dumped within Manatee County then subsequently picked up and delivered to the Landfill by various public agencies.

All tires delivered to the Landfill are stockpiled and subsequently removed from the site by a contracted vendor. No processing or consumption of tires occurs at the Landfill. Therefore, processed, adjusted and consumed tires have been recorded as zero. All other tire categories have been entered where appropriate. All tires recorded for this report are considered used tires.

If you should have any questions or need additional information, please feel free to call me at 941-748-5543, ext. 8016.

Sincerely,

Anthony Detweiler

Anthony Detweiler
Landfill Operations Maintenance Supervisor

Enc. 1

cc: Mike Gore, Director, Utilities Department
Robert Shankle, Solid Waste Division Manager
Bryan White, Landfill Superintendent
Daniel R. Cooper, P.E., Project Director, SCS Engineers

PRISCILLA TRACE * CHARLES B. SMITH * STEPHEN JONSSON * ROBIN DiSABATINO * VANESSA BAUGH * CAROL WHITMORE * BETSY BENAC
District 1 District 2 District 3 District 4 District 5 District 6 District 7

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701 900(21)
Form Title: Waste Tire Processing Facility Quarterly Report
Effective Date: January 6, 2010
DEP Application No. _____ (Completed by DEP)

WASTE TIRE PROCESSING FACILITY QUARTERLY REPORT

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: Second Quarter 2018 (First quarter begins on January 1 of any given year)

1. Facility name: Manatee County Solid Waste Management Facility - Manatee County Utilities Department
2. Facility mailing address: 3333 Lena Road

   City: Bradenton County: Manatee Zip: 34211
3. Facility permit number: 12665-004-WT/02
4. Facility telephone number ( ) 941-748-5543 x8016
5. Authorized person preparing report: Anthony Detweiler
6. Affiliation with facility: Landfill Operations Maintenance Supervisor
7. Telephone number (if different from above): ( )
8. Activity: Report in tons

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	629.23	435.28			441.04		623.47
Other Whole Tires							
Processed Tires							
Processing Waste							
Other							
Total	629.23	435.28			441.04		623.47

a. Explain all inventory adjustments.

b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved?

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach Additional sheets, if necessary.

9. Certification: To the best of my knowledge and belief, I certify the information provided in this report is true, accurate, and complete.

Anthony Detweiler, Landfill Operations Supervisor — Print Name of Authorized Agent

Anthony Detweiler — Signature of Authorized Agent

April 16, 2018 — Date

Mail completed form to the appropriate District office listed below

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

Utilities
Recycling
3333 Lena Road
Bradenton, FL 34211
Phone: (941) 748-5543
www.mymanatee.org/recycling

July 12, 2018

Mr. Steve Tafuni
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RE: Lena Road Landfill Quarterly Waste Tire Processing Facility Report
Third Quarter 2018
Waste Tire Permit #126654-004-WT/02

Dear Mr. Steve Tafuni

Enclosed is the above referenced report for the period of April 1, 2018 to June 30, 2018. The supporting reports are generated from the Lena Road Landfill Scalehouse. Only pertinent information from the reports is included in the waste tire report. This data includes Tires In, Tires Out, and Illegal Dumping – Tires. They are defined as follows:

- Tires In: Tires delivered to the Landfill by the general public.
- Tires Out: Tires which are removed from the waste tire storage area by the County's contracted vendor for processing.
- Illegal Dumping – Tires: Tires that are illegally dumped within Manatee County then subsequently picked up and delivered to the Landfill by various public agencies.

All tires delivered to the Landfill are stockpiled and subsequently removed from the site by a contracted vendor. No processing or consumption of tires occurs at the Landfill. Therefore, processed, adjusted and consumed tires have been recorded as zero. All other tire categories have been entered where appropriate. All tires recorded for this report are considered used tires.

If you should have any questions or need additional information, please feel free to call me at 941-748-5543, ext. 8016.

Sincerely,

Anthony Detweiler
Landfill Operations Maintenance Supervisor

Enc. 1

cc: Mike Gore, Director, Utilities Department
Robert Shankle, Solid Waste Division Manager
Bryan White, Landfill Superintendent
Daniel R. Cooper, P.E., Project Director, SCS Engineers

PRISCILLA TRACE * CHARLES B. SMITH * STEPHEN JONSSON * ROBIN DiSABATINO * VANESSA BAUGH * CAROL WHITMORE * BETSY BENAC
District 1 District 2 District 3 District 4 District 5 District 6 District 7

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(21)

Form Title: Waste Tire Processing Facility Quarterly Report

Effective Date: January 6, 2010

DEP Application No. _____ (Completed by DEP)

WASTE TIRE PROCESSING FACILITY QUARTERLY REPORT

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: Third Quarter 2018 (First quarter begins on January 1 of any given year)

1. Facility name: Manatee County Solid Waste Management Facility - Manatee County Utilities Department
2. Facility mailing address: 3333 Lena Road

   City: Bradenton County: Manatee Zip: 34211
3. Facility permit number: 126654-004-WT/02
4. Facility telephone number ( ) 941-748-5543 x8016
5. Authorized person preparing report: Anthony Detweiler
6. Affiliation with facility: Landfill Operations Maintenance Supervisor
7. Telephone number (if different from above): ( )
8. Activity: Report in tons

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	623.47	498.04			403.09		718.42
Other Whole Tires							
Processed Tires							
Processing Waste							
Other							
Total	623.47	498.04			403.09		718.42

a. Explain all inventory adjustments.

b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved?

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach Additional sheets, if necessary.

9. Certification: To the best of my knowledge and belief, I certify the information provided in this report is true, accurate, and complete.

Anthony Detweiler, Landfill Operations Supervisor		July 12, 2018
Print Name of Authorized Agent	Signature of Authorized Agent	Date

Mail completed form to the appropriate District office listed below

Northwest District	Northeast District	Central District	Southwest District	South District	Southeast District
160 Government Center	7825 Baymeadows Way, Ste. 200 B	3319 Maguire Blvd., Ste. 232	13051 N. Telecom Pky.	2295 Victoria Ave., Ste. 364	400 North Congress Ave.
Pensacola, FL 32501-5794	Jacksonville, FL 32256-7590	Orlando, FL 32803-3767	Temple Terrace, FL	Fort Myers, FL 33902-2549	West Palm Beach, FL 33401
850-595-8360	904-807-3300	407-894-7555	813-632-7600	239-332-6975	561-681-6600

Utilities
Recycling
3333 Lena Road
Bradenton, FL 34211
Phone: (941) 748-5543
www.mymanatee.org/recycling

October 9, 2018

Mr. Steve Tafuni
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RE: Lena Road Landfill Quarterly Waste Tire Processing Facility Report
Fourth Quarter 2018
Waste Tire Permit #126654-004-WT/02

Dear Mr. Steve Tafuni

Enclosed is the above referenced report for the period of July 1, 2018 to September 30, 2018. The supporting reports are generated from the Lena Road Landfill Scalehouse. Only pertinent information from the reports is included in the waste tire report. This data includes Tires In, Tires Out, and Illegal Dumping – Tires. They are defined as follows:

- Tires In: Tires delivered to the Landfill by the general public.
- Tires Out: Tires which are removed from the waste tire storage area by the County's contracted vendor for processing.
- Illegal Dumping – Tires: Tires that are illegally dumped within Manatee County then subsequently picked up and delivered to the Landfill by various public agencies.

All tires delivered to the Landfill are stockpiled and subsequently removed from the site by a contracted vendor. No processing or consumption of tires occurs at the Landfill. Therefore, processed, adjusted and consumed tires have been recorded as zero. All other tire categories have been entered where appropriate. All tires recorded for this report are considered used tires.

If you should have any questions or need additional information, please feel free to call me at 941-748-5543, ext. 8016.

Sincerely,

Anthony Detweiler
Landfill Operations Maintenance Supervisor

Enc. 1

cc: Mike Gore, Director, Utilities Department
Robert Shankle, Solid Waste Division Manager
Bryan White, Landfill Superintendent
Daniel R. Cooper, P.E., Project Director, SCS Engineers

PRISCILLA TRACE * CHARLES B. SMITH * STEPHEN JONSSON * ROBIN DiSABATINO * VANESSA BAUGH * CAROL WHITMORE * BETSY BENAC
District 1 District 2 District 3 District 4 District 5 District 6 District 7

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(21)

Form Title: Waste Tire Processing Facility Quarterly Report

Effective Date: January 6, 2010

DEP Application No. _____ (Completed by DEP)

WASTE TIRE PROCESSING FACILITY QUARTERLY REPORT

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: Fourth Quarter 2018 (First quarter begins on January 1 of any given year)

1. Facility name: Manatee County Solid Waste Management Facility - Manatee County Utilities Department
2. Facility mailing address: 3333 Lena Road

   City: Bradenton County: Manatee Zip: 34211
3. Facility permit number: 126654-004-WT/02
4. Facility telephone number ( ) 941-748-5543 x8016
5. Authorized person preparing report: Anthony Detweiler
6. Affiliation with facility: Landfill Operations Maintenance Supervisor
7. Telephone number (if different from above): ( )
8. Activity: Report in tons

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	718.42	468.21			400.02		786.61
Other Whole Tires							
Processed Tires							
Processing Waste							
Other							
Total	718.42	468.21			400.02		786.61

a. Explain all inventory adjustments.

b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved?

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach Additional sheets, if necessary.

9. Certification: To the best of my knowledge and belief, I certify the information provided in this report is true, accurate, and complete.

Anthony Detweiler, Landfill Operations Supervisor		October 9, 2018
Print Name of Authorized Agent	Signature of Authorized Agent	Date

Mail completed form to the appropriate District office listed below

Northwest District	Northeast District	Central District	Southwest District	South District	Southeast District
160 Government Center	7825 Baymeadows Way, Ste. 200 B	3319 Maguire Blvd., Ste. 232	13051 N. Telecom Pky.	2295 Victoria Ave., Ste. 364	400 North Congress Ave.
Pensacola, FL 32501-5794	Jacksonville, FL 32256-7590	Orlando, FL 32803-3767	Temple Terrace, FL	Fort Myers, FL 33902-2549	West Palm Beach, FL 33401
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