

ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
WASTE TIRE PROCESSING FACILITY
PERMIT APPLICATION

PASCO COUNTY, FLORIDA

FILE
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
FEB 11 2011
SOUTHWEST DISTRICT
TAMPA

Response To:
DECEMBER 16, 2010 FDEP REQUEST FOR ADDITIONAL INFORMATION

Prepared for:

ANGELO'S AGGREGATE MATERIALS, LTD
(D/B/A ANGELO'S RECYCLED MATERIALS)
41111 Enterprise Road
Dade City, FL 33525

Submitted to:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE DIVISION
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Prepared by:

JOHN ARNOLD, P.E.
34924 Williams Cemetery Rd
Dade City, FL 33252

February 2011

ANGELO'S RECYCLED MATERIALS

P.O. Box 1493
Largo, FL 33779



APOPKA 407.290.8010 407.290.8115 (FAX)
DADE CITY 352.567.7676 352.567.9448 (FAX)

TAMPA 813.903.0588 813.632.9157 (FAX)
LARGO 727.581.1544 727.586.5676 (FAX)

February 11, 2011

Ms. Nancy Gaskin
Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Re: Enterprise Class III Landfill and Recycling Facility
WTPF Pending Permit No. 303741-001-WT/02
Pasco County, WACS No., 87895

Dear Ms Gaskin:

This correspondence and the enclosed materials are provided in response to the Department's request for additional information dated December 16, 2010 for the referenced waste tire processing facility (WTPF) at our Enterprise Road Recycling and Disposal Facility located in Pasco County, Florida. The format of this response is to repeat the Department's question(s), in bold, with our response immediately following.

I trust that this additional information satisfies the information requested by the Department. In the course of your review should you have any questions, or require any additional information, please accept our invitation to meet with you at the District office, or make ourselves available by phone to immediately provide you with the necessary clarification or information.

Sincerely,

A handwritten signature in black ink, appearing to read "John Arnold".

John Arnold, P.E.

enclosures

xc: Jake Varn, Fower, White and Boggs
Dominic lafrate, Angelos Recycled Materials

Dept. of Environmental
Protection
FEB 11 2011
Southwest District

WASTE TIRE PROCESSING FACILITY
PERMIT APPLICATION
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
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RESPONSE TO:
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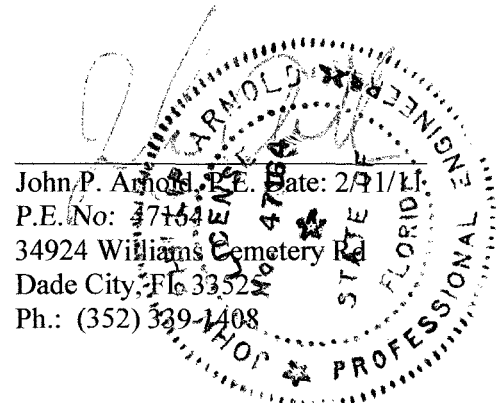
Prepared by:

JOHN ARNOLD, P.E.
34924 Williams Cemetery Rd
Dade City, FL 33252

February 2011

Dept. of Environmental
Protection
FEB 11 2011
Southwest District

John P. Arnold, P.E. Date: 2/11/11
P.E. No: 47164
34924 Williams Cemetery Rd
Dade City, FL 33525
Ph.: (352) 339-1408



1. Application Form, Rules 62-701.320(7) and 62-711.530(6), F.A.C.

a. Part I, Section B, Item 7. Please provide revised location coordinates (lat/long) which represent the proposed center of waste tire processing facility. The coordinates provided appear to be in the Enterprise Class III Landfill disposal area, and are not consistent with the location for the WTPF shown on the site plan provided.

Response: The previously provided coordinates (latitude and longitude) represent the location of the facility site entrance. The coordinates (latitude and longitude) of the approximate center of the proposed waste tire processing facility (WTPF) are 28° 19' 59.30" N, 82° 08' 12.39" W. Page 1 of 4 of DEP Form No. 62-701.900(23) has been revised based on the Department's request and is provided in Attachment 1.

b. Part I, Section 5, Item 9. This section of the application form indicates that the anticipated date for receipt of waste tires was December 2010. Please be reminded that waste tires are not authorized to be stored or processed at this site without a permit. Since the pending permit has not been issued, please revise this item accordingly.

Response: The comments are noted. Page 1 of 4 of DEP Form No. 62-701.900(23) has been revised (Attachment 1) to provide anticipated new milestone dates, assuming that the Department's questions are satisfied with this response.

2. Part III - Attachments. Please be advised that any previously submitted material which is referenced in this application as currently on file with the Department must be specifically referenced or provided specifically for use in this application.

Response: The comment is noted.

a. Section A. Facility Design. This section does not seem to include any specific information regarding construction of the facility. Please revise this section to include details regarding the construction of the facility, including, excavation, grading, paving, drainage, etc. See comment# 9. below.

Response: The proposed WTPF is designed to be placed on existing grade without permanent site improvements, excavation, paving, or the installation of impervious area(s). The Site Plan drawing (C-1) has been revised to include lay-out coordinates and other details to delineate stockpiles, processing area, and other features. The information on the drawings is specific (e.g., coordinates, dimensions, and details) and sufficient to implement the proposed WTPF upon the existing grade. The revised drawing is provided in Attachment 2. The size of the WTPF has been reduced and we have revised the application accordingly. Page 2 of 4 of DEP Form No. 62-701.900(23) has been revised to include the new storage capacities and is included in Attachment 1.

b. Section A, Item 2.

1. Boundaries. See comment# 9. below.

Response: The comment is noted. A signed and sealed boundary survey for the land containing the proposed WTPF is provided in Attachment 2.

2. Wells. Please provide a complete well inventory as referenced in this section, for this application. See comment #9. below.

Response: Please be advised that DEP Form No. 62-701.900(23), Part III – Attachments, e., states, “*Location, size, and depth of all wells within the facility or within 200 feet of any storage area.*” The well inventory (survey) for all on-site wells was previously provided in Attachment C of the application in accordance with this requirement and is complete. Rule 62-701.300(2)(b), F.A.C. prohibits storing or disposing of solid waste, “*Within 500 feet of an existing or approved potable water well unless storage or disposal takes place at a facility for which a complete permit application was filed or which was originally permitted before the potable water well was in existence.*” A separate well inventory was performed and field verified by John Arnold, P.E. and the results are provided in Attachment 3. Please be advised that the Rules 62-701, F.A.C. 62-711, F.A.C. do not appear to require a registered survey or the reporting of well size and depth.

c. Section B, Facility Operations. Please provide procedures for managing any unacceptable waste that may come in with loads of incoming tires, including incidental Class I waste. See comment #9.a. below.

Response: Unacceptable waste that may come in with loads of incoming tires, including incidental Class I waste, will be removed for proper disposal. Since waste tire haulers are required to be registered and tire disposal fees generally exceed Class I disposal fees, the quantity of unacceptable waste is assumed to be de-minimis. A Class I roll-off container, with lid, will be placed at the WTPF to accommodate Class I compliant materials. The roll-off container will be provided and serviced by an authorized Pasco County commercial waste hauler (Central Carting or equivalent) on a regular basis, as necessary to manage incidental unacceptable waste removal at the WTPF. Other incidental, unacceptable materials that are not suitable for Class I disposal will be re-loaded on the incoming vehicle and removed from the site. Part III – Attachments, Section B, Item 9, has been added to include this contingency (Attachment 4).

d. Section B, Item 1. Please verify the number of storage pads to be used for storage of whole tires. This section references 6 pads for whole tire storage, while the proposed site plan shows 5 pads for unprocessed tire storage and one for processed tire storage.

Response: There are five (5) whole tire storage areas. Part III – Attachments, Section B, Item 1, has been revised accordingly (Attachment 4).

e. Section B, Item 2. Please specify how often processed tires will be removed from the WTPF during processing and following processing. It appears that the capacity of the processed tire storage area is significantly less than the volume of whole unprocessed tires that can be stored on site. Please revise this section to state that if the contracted processor changes, any processing equipment used will have the same processing throughput utilized to calculate the tire storage volumes. Please revise this section to indicate that any processing equipment used will have the appropriate Department Air Section permit. See comment 5. below.

Response: Processed tires will be removed from the WTPF every other day, or more frequently, to comply with the storage capacity limit(s) of the stockpile. The removal of processed tires will commence when tire processing operations start and continue thereafter until all processed tires are removed. The mobile tire processors will be required to have the appropriate Department permit(s), including applicable air permit(s). Part III – Attachments, Section B, Item 2, has been revised accordingly (Attachment 4). Please refer to the response to Part III – Attachments, 5. Attachment D, Waste Tire Processing Vendor (Contractor), below, for additional information.

f. Section B, Item 4. Please provide the records for the West Pasco Solid Waste Complex, which are referenced in this section. See comment #2.e. above.

Response: The applicable page of the referenced West Pasco Solid Waste Complex application (November 2006 application prepared by CDM) is provided in Attachment 5. We could find no other information, related to this reference (8 tons of tire per day which equates to approximately 2,500 tons per year), provided by CDM to the Department in support of issuance of waste tire permit (126935-001-WT). Rule 62-711.550(2)(b), F.A.C. asks for a description of the “planned daily and annual throughput.” DEP Form 62-701.900(23), Part III, Attachments, B, Item 5, asks for a, “*Statement of the maximum daily throughput and the planned daily and annual throughput.*” It appears that the information provided in the original application (8 tons of tire per day which equates to approximately 2,500 tons per year) are descriptive statements that satisfy the intent of the rule, which does not request further documentation, estimates, or justifications. As stated in the original submittal, the proposed Angelo’s WTPF is based on the design of the West Pasco facility and we sought to provide the same level of information and back-up information that previously satisfied the Department. To the extent the reference to the West Pasco complex presents a problem, we would ask that it be dis-regarded and that the statement of daily and annual tire capacity stand alone.

g. Section B, Item 7. Please provide a specific length of time for the correction of any deficiencies noted on the annual fire safety survey. See comment #7.b. below.

Response: The correction of deficiencies noted on the annual fire safety survey (survey) will be completed within 14 days of receiving the survey. In the event a corrective action is identified that may take longer than 14 days to correct, written notification will be provided to the Department, within 7 days of receiving the survey, proposing a corrective-action plan. The corrective-action plan would include, at a minimum, a description of the deficiency, proposed corrective action, schedule, and notification to the Department that corrective action is complete. Part III – Attachments, Section B, 7. Fire Safety Survey, has been revised accordingly (Attachment 4).

h. Section E. Please provide a copy of the deed(s) for the property demonstrating that the applicant owns the property. See comment #3. above.

Response: The two separate deeds for the property, included in Attachment 6, demonstrate that the applicant owns the property. The deeds were downloaded from the Pasco County Property Appraisers website and includes the accompanying aerial photograph for each deed (parcel).

f. Section F, Other Environmental Permits. Please provide a copy of the storm water (ERP) permit issued for this WTPF facility. Please specify whether this permit authorizes installation of the proposed stormwater pond and potential increase in impermeable area.

Response: A copy of the Environmental Resource Permit (ERP) for the site is provided in Attachment 7. Based on several discussions with representatives from the Department's ERP section, it is our understanding that a modification of the existing ERP is not necessary for the development of the proposed WTPF. Follow up documentation from the Department's ERP section in support of this determination will be provided separately to the Departments Solid Waste section.

3. **Attachment B, Pasco County Property Appraiser Data for Site. Please provide the corresponding deeds for these parcels demonstrating that the applicant owns the property. Alternatively, provide a letter of authorization from the owner allowing the applicant to use the property. Please provide aerial photos showing these parcels.**

Response: The deeds and corresponding aerials from the Pasco County Property Appraisers website, included in Attachment 6, demonstrate that the applicant owns the property. Please refer to the response to Part III - Attachments, h. Section E, above, for additional information.

4. **Attachment C, Groundwater Well Location Map and Data. Rules 62-701.300(2)(b). Please provide a field verified well survey identifying all wells off-site and within 500 ft of the boundaries of the proposed WTPF.**

Response: Please refer to the response to Part III - Attachments, b. Section A, Item 2. Wells, above, for this information.

5. **Attachment D, Waste Tire Processing Vendor (Contractor). Please provide a manufacturer's specification sheet for the piece of equipment referenced in this letter. Please provide the permit number for the air section permit for this machine. The Department is aware that the machine used and vendor contracted are may not be permanent. Please be advised that the throughput of any machine used must be sufficient to allow for the proposed tire storage volumes.**

Response: The manufacturer's specification sheet for the referenced tire processing equipment is provided in Attachment 8. We can find no reference in Rules 62-701, F.A.C. and 62-711, F.A.C. requiring the applicant (Angelo's) to document permits related to the shredding equipment, especially since we have represented to the Department that this will be a subcontracted service. The requirements of mobile waste tire processors are provided in Rule 62-711.801, F.A.C., which is specifically not part of the permit sought by this applicant. Rule 62-711.801(1)(b) requires the owner of a waste tire processing site to, "...*notify the Department as required by Rule 62-711.500, F.A.C.*", which has been satisfied with the submission of this application and response to the Department's request for additional information. All other requirements (as they related to mobile tire processing per Rule 62-711.801, F.A.C.) appear to be the responsibility of the mobile waste tire processor. We do not have a copy of the air permit from the proposed contractor (Modern Recycling of Florida, Inc.) and it appears that this request should be directed to the mobile waste tire processor. It is our understanding that Modern Recycling of Florida operates under DEP Permit No. 0140356-005-WT/02 (WACS ID No. 89854). The Department maintains a list permitted mobile waste tire processors (available on-line at the FDEP website) and the most current version, which includes Modern Recycling, is provided in Attachment 8. We acknowledge the Department's comment that the throughput of any machine used must be sufficient to allow for the proposed tire storage volumes.

6. **Attachment E, Waste Tire Processing Area Dimensions, Volumes, and Capacities. Please provide calculations, including all references and assumptions that support the proposed waste tire storage capacity and daily throughput for this facility. Please provide a reference for the density figures used in these calculations.**

Response: The waste tire processing area dimensions, volumes, and capacities table (previously submitted as Attachment E in the November 2010 application) has been annotated to include footnotes listing all references and assumptions. Revised Attachment E is provided in Attachment 9 and includes the reference for the density figures used in the calculations.

7. **Attachment F, Emergency Preparedness Manual, Rule 62-711.540(e) F.A.C. Please specify where fire fighting residue will be disposed. This material should be considered Class I waste.**

Response: Section 7 of the Emergency Preparedness Manual (EPM) has been revised to state, "*Clean up site. Residue from the extinguished fire, including soil, will be removed for*

disposal at a Class I landfill.” Section 9 of the EPM has been revised to state, “Actions taken to respond to and contain the run-off and/or release resulting from the fire, including documentation that clean-up residue and other Class I debris was disposed of at a permitted Class I facility.” The revised EPM (Attachment F of the original application) is provided in Attachment 10. The permitted Class I disposal site will be selected based on a review of qualified facilities and the specific disposal needs of the fire event.

a. Site Description and Layout. This section states that the site is graded for drainage and containment of fire fighting residue. Please provide construction level drawings which show these features. See comment #9. below. Please revise this section to indicate that notification will be provided to the Department prior to any change in facility hours.

Response: The WTPF is to be constructed on-grade, which naturally slopes to the northeast. Please refer to the response to Part III – Attachments, a. Section A, Facility Design, (above) for additional commentary on the facility design. The Department will be notified prior to initiating any change to the facility operating hours. Section 2 of the EPM has been revised to address these comments. The revised EPM provided in Attachment 10.

b. Fire Safety Survey, Rule 62-711.540(1) (d), F.A.C. Please provide a timeframe for completion of repairs in the event of a deficient survey. Please revise this section to include this timeframe and a timeframe for notification to the Department regarding the completion of repairs.

Response: The response to Part III – Attachments, g. Section B, Item 7, directly addresses this comment. Section 9 of the EPM has been revised to include this information and is provided in Attachment 10.

c. Emergency Response. Please revise this section to specify that fire fighting residue will be managed as Class I waste and specify an appropriately permitted disposal facility. This section states that the “discharge culvert” will be blocked with dirt to contain runoff water from fire fighting. Based on the site plan provided, it appears that the storm water pond located inside the WTPF discharges through this culvert, to an area outside the WTPF. Please specify whether the proposed storm water detention pond is lined or paved. Please provide construction level drawings for the proposed storm water system for the WTPF. See comment #9. below.

Please provide specific procedures for the WTPF in the event of a natural disaster, including management of all stored tires (processed and unprocessed), residue, and rims, potentially on site at the time of the event.

Response: The disposal of fire fighting residue has been addressed in the response to Part III – Attachments, 7. Attachment F, Emergency Preparedness Manual Rule 62-711.540(e) F.A.C. Section 7 of the EPM has been revised accordingly and is provided in Attachment 10.

The site has been redesigned to eliminate the discharge culvert and stormwater pond.

Section 7 of the EPM, Natural Disasters, has been revised to provide additional specific procedures to address natural disasters. The revised EPM is provided in Attachment 10.

d. Water and Soil Supply Locations. Please show the location of these pumps on a facility site plan. Please provide the attachments referenced.

Response: The revised EPM is provided in Attachment 10 and includes a revised site plan and the "referenced" pump curve. The reference to "pump 2" has been deleted.

8. **Attachment G, Financial Assurance and Closing Costs, Rule 62- 711.500(3), F.A.C. The closure cost-estimates for the Waste Tire Processing Facility are not approved.**

a. Please provide third party closure cost estimates for the maximum quantity of any residual unacceptable wastes that may be removed from incoming loads, and rims, that will be on site at anyone time including loading, hauling, and disposal costs. Please use those estimates to provide a calculated cost for closure.

Response: We have evaluated the closure cost estimate and added a line item for the removal and disposal of unacceptable waste from the WTPF. We have assumed that inadvertent, unacceptable waste would be within the whole tire piles (pads 1 – 5) only. It is expected that unacceptable wastes would be discovered and removed prior placing the tires in the shredder. Also, the de-rimming process specifically removes the scrap rim from the whole tires without transferring other materials (whole tires or unacceptable waste) to the rim stockpile. The process is set up to keep the processed tire and rim stockpiles free from unacceptable waste.

The closure cost estimate is for the worst case condition and assumes all of the stockpiles are at the maximum design capacity. We have assumed that 1% of the whole tire stockpiles would consist of unacceptable wastes. A third party estimate for unacceptable waste removal and disposal has been provided in support of the revised closure cost estimate, which is provided in Attachment 11.

b. Please verify the price per ton of \$50 used in these cost estimate calculations. The third party quotes attached list \$60 per ton as the disposal cost.

Response: The closure cost estimate has been revised to address the third party quote of \$60 per ton and is provided in Attachment 11.

9. **Plans and Drawings, Rules 62-711.300(1) & 62-701.320(7)(f) F.A.C. Please provide detailed "construction-level" plans for the facility that use sheets 22 inches by 34 inches or 24 inches by 36 inches, prepared under the direction of and signed and**

sealed by a professional engineer registered in the State of Florida. Please ensure that these plans clearly show all necessary details to construct and operate the facility.

a. Site Plan. Please revise this drawing to show the location of all waste storage containers. Since Class III waste is not "inert debris", please remove the reference to "inert debris" for the Class III landfill.

Response: The Site Plan has been revised to remove the reference to "inert debris." The Site Plan is printed on a 24" x 36" sheet (Drawing C-1) and includes the "ENTERPRISE CLASS III FACILITY – SITE PLAN" and "WASTE TIRE PROCESSING FACILITY – SITE PLAN" details that are at scales of 1"=200' and 1"=100', respectively. Drawing C-1 was prepared under the direction and has been signed and sealed by Florida registered professional engineer. The WTPF Site Plan provides the coordinates and dimensions necessary to layout and construct the proposed WTPF, including whole tire stockpiles, fire lanes, processed tire stockpile, corner posts, Class I roll-off box, rim stockpile, earthen embankment, and soil stockpile.

b. Please revise all figures provided and ensure that all figures submitted subsequently depict the currently permitted site boundaries.

Response: We have reviewed the application and have evaluated all of the figures relative to the property boundary associated with Permit No.: 177982-007-SO/T3 for the Enterprise Class III Landfill and Recycling Facility (DEP Permitted Class III Property Boundary). The applicant owns other land in the area, much of which is adjacent the DEP Permitted Class III Property Boundary. Some of this property was depicted in some of the figures. The following figures have been annotated to distinguish the applicant's property associated with the DEP Permitted Class III Property Boundary:

- Figure 2-2, Current Use of Site and Surrounding Properties
- Figure 2-3, Zoning Designations of Site and Surrounding Properties

All other figures depict the DEP Class III Permitted Property Boundary. Revised figures 2-2 and 2-3 are provided in Attachment 12.

c. Please provide a boundary survey (signed and sealed by a surveyor), legal description, and topographic survey, of the facility which includes all portions of the property.

Response: A signed and sealed boundary survey of the property, including legal description, is provided in Attachment 2. We can find no reference in Rule 62-711, F.A.C., Rule 62-701.220, F.A.C. (Prohibitions), and Rule 62-701.320, F.A.C. (General Provisions) requiring a topographic survey. DEP Form 62-701.900(23), Part III-Attachments, 1., requests, "*A topographic or section map of the facility, including the surrounding area...*" The figures in Attachment A, of the original application, were provided to show the land use and zoning within one mile of the facility and were created within one year of the

submittal. Drawing C-1, Enterprise Class III Facility – Site Plan, provided in Attachment 2, includes topographic information from the USGS Dade City, Florida Quadrangle.

10. Prohibitions, Rules 62-701.300 and 62-711.400, F.A.C. Please provide information that demonstrates that the facility will comply with the prohibitions listed in these sections.

Response: It is our belief that the December 2010 permit application submittal, completed DEP Form 62-701.900(23), and this response provide all of the information requested by Rule 62-711, F.A.C, which therefore demonstrates compliance with the applicable rules and prohibitions. Many of the prohibitions listed in 62-701, F.A.C. are simply “prohibitions”, which we acknowledge. Since no specific item/concern has been cited by the Department in this comment, we have summarized the prohibitions of Rule 62-711.400, F.A.C. below, in italics, with our response immediately following.

Rule 62-711.400, F.A.C.

(1) No person may maintain a waste tire site unless such site is an integral part of a permitted waste tire processing facility, except as provided in Rule 62-711.500, F.A.C. For the purpose of this rule, “an integral part of a waste tire processing facility” means the waste tire site is on the same property as the processing facility. Response: The applicant has submitted this permit application for a Waste Tire Processing Facility and seeks a permit specifically to comply with this requirement.

(2) No person shall dispose of waste tires except at a permitted solid waste management facility which includes any facility permitted by the Department for the disposal of waste tires. Collection or storage of waste tires at a permitted waste tire processing facility or waste tire collection center prior to processing or use does not constitute disposal, provided that the collection and storage complies with Rule 62-711.540, F.A.C. Collectors are advised that it has been the experience of the Department that local law enforcement officers frequently prosecute persons who illegally dispose of waste tires under Section 403.413, F.S. Response: The applicant has submitted this permit application for a Waste Tire Processing Facility and seeks a permit specifically to comply with this requirement.

(3) Whole waste tires may not be disposed of in a landfill. Waste tires that have been cut into sufficiently small parts may be disposed of or used as initial cover at a permitted landfill. (a) For use as initial cover, a sufficiently small part means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less. (b) For purposes of disposal, a sufficiently small part means that the tire has been cut into at least eight substantially equal pieces. Any processed tire which is disposed of in a landfill and which does not meet the size requirement of subsection (a) above must receive initial cover, as defined in subsection 62-701.200(53), F.A.C., once every week. Response: The applicant has submitted this permit application for a Waste Tire Processing Facility and seeks a permit specifically to comply with this requirement. We do not seek to dispose of whole waste tires in a landfill. Relevant portions of the application that document the waste tire processing/shredding and disposal procedures include the following:

- Waste Tire Processing Facility Permit Application, DEP Form # 62-701.900(23), Part II-Operations, A. Facility Type, "Waste tire processing facility with on-site disposal of processed tires or processing residuals."
- Waste Tire Processing Facility Permit Application, DEP Form # 62-701.900(23), Part II-Operations, B. Type of processing facility (check all that apply): "Shredder", "Cutter", "Chopper".
- Waste Tire Processing Facility Permit Application, DEP Form # 62-701.900(23), Part III-Attachments, B. Facility Operations, 2. Description of Tire Processing Equipment, and 3. Processed Tires.
- Response to Comment 9 of this Request for Additional Information. The manufacturer's specification sheet for the referenced tire processing equipment is provided in Attachment 9.

(4) No person shall store waste tires unless the waste tires are: (a) Collected and stored at a permitted waste tire collection center; (b) Collected and stored before processing at a waste tire site which is an integral part of a permitted waste tire processing facility; (c) Collected and stored before processing and recycling or disposal in a permitted solid waste management facility; or (d) Collected and stored at a facility exempted under Rule 62-711.300, F.A.C. Response: The applicant has submitted this permit application for a Waste Tire Processing Facility and seeks a permit specifically to comply with this requirement.

(5) No person may contract with a waste tire collector for the transportation, disposal, or processing of waste tires unless the collector is registered with the Department or exempt from registration requirements. Any person contracting with a waste tire collector for the transportation of more than 25 waste tires per month from a single business location shall maintain records for that location and make them available for review by the Department or by law enforcement officers. These records shall contain the date when the tires were transported, the quantity of tires, the registration number of the collector, and the name of the driver. Response: This prohibition is acknowledged and the applicant does not seek a waiver from this regulatory requirement.

11. **Notice of Application, Rule 62-701.320(8), F.A.C. Please publish the attached notice of application and provide proof of publication to the Department. The notice must be published in a newspaper of general circulation in the area of the project.**

Response: Proof of publication in a newspaper of general circulation in the area of the project is underway and will be provided to the Department when available.

ATTACHMENT 1
DEP FORM 62-701.900(23)
REPLACEMENT PAGES 1 AND 2 OF 4



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
DEP Application No. _____ (Completed by DEP)

WASTE TIRE PROCESSING FACILITY PERMIT APPLICATION

Permit No. _____

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

Part I-General Information:

A. Applicant Information:

1. Applicant Name: Angelo's Aggregate Materials, LTD
2. Applicant Street Address: P.O. Box 1493
3. City: Largo, FL County: Pinellas Zip: 33779
4. Applicant Mailing Address: P.O. Box 1493
5. City: Largo, FL County: Pinellas Zip: 33779
6. Contact person: Dominic lafrate Phone: (727) 612-9257 FEID No: 59-3448428
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 X If yes, attach a history and description of the enforcement actions.

B. Facility Information:

1. Facility Name: Enterprise Road Recycling and Disposal Facility
2. Facility Street Address (Main Entrance): 41111 Enterprise
3. City: Dade City, FL County: Pasco Zip: 33525
4. Facility Mailing Address: 41111 Enterprise Road
5. City: Dade City State: FL Zip: 33525
6. Contact Person: John Arnold Phone: (352) 339-1408
7. Facility Location Coordinates:
Section: 5, 8 Township: 25S Range: 22E
Latitude: 28deg 19min 59.30sec N Longitude: 82deg 08min 12.39sec W
8. Anticipated date for starting construction April 2011 and for completion of construction April 2011
9. Anticipated date for receipt of tires April 2011 and for start of processing June 2011

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

Rev.01; February 2011

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

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

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

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

E. Preparer of Application:

1. Name of person preparing application: John Arnold
2. Mailing address: 34924 Williams Cemetery Road
3. City: Dade City State: FL Zip: 33525
4. Phone: (352) 339-1408
5. Affiliation with facility: Engineer employed by Angelo's Aggregate Materials, LTD

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.
See Attachment F and November 2010 WTP Application
- ☐ Waste tire processing facility with on-site consumption of waste tires or processing residuals.
See Attachment F
- ☐ Permitted solid waste management facility modification to allow waste tire site and processing.

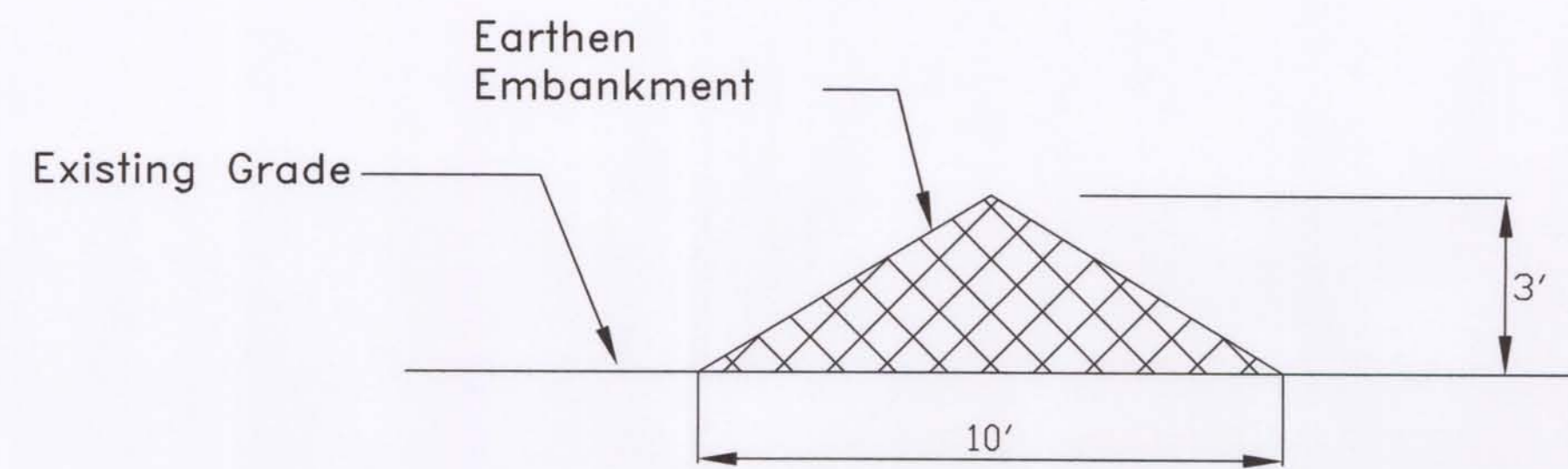
B. Type of processing facility (check as many as apply):

- ☒ Shredder ☒ Cutter ☒ Chopper ☐ Incinerator only ☐ Incinerator with energy recovery
☐ Pyrolysis ☐ Supplemental fuel user ☐ Other, explain _____

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:	<u>927</u>	<u>37,500</u>	<u>0</u>	<u>0</u>	<u>927</u>
Processed tires:	<u>1,139</u>	<u>10,000</u>	<u>0</u>	<u>0</u>	<u>1,139</u>
Processing residuals (rims)	<u>113</u>	<u>2,500</u>	<u>0</u>	<u>0</u>	<u>113</u>
TOTALS:	<u>2,179</u>	<u>50,000</u>	<u>0</u>	<u>0</u>	<u>2,179</u>

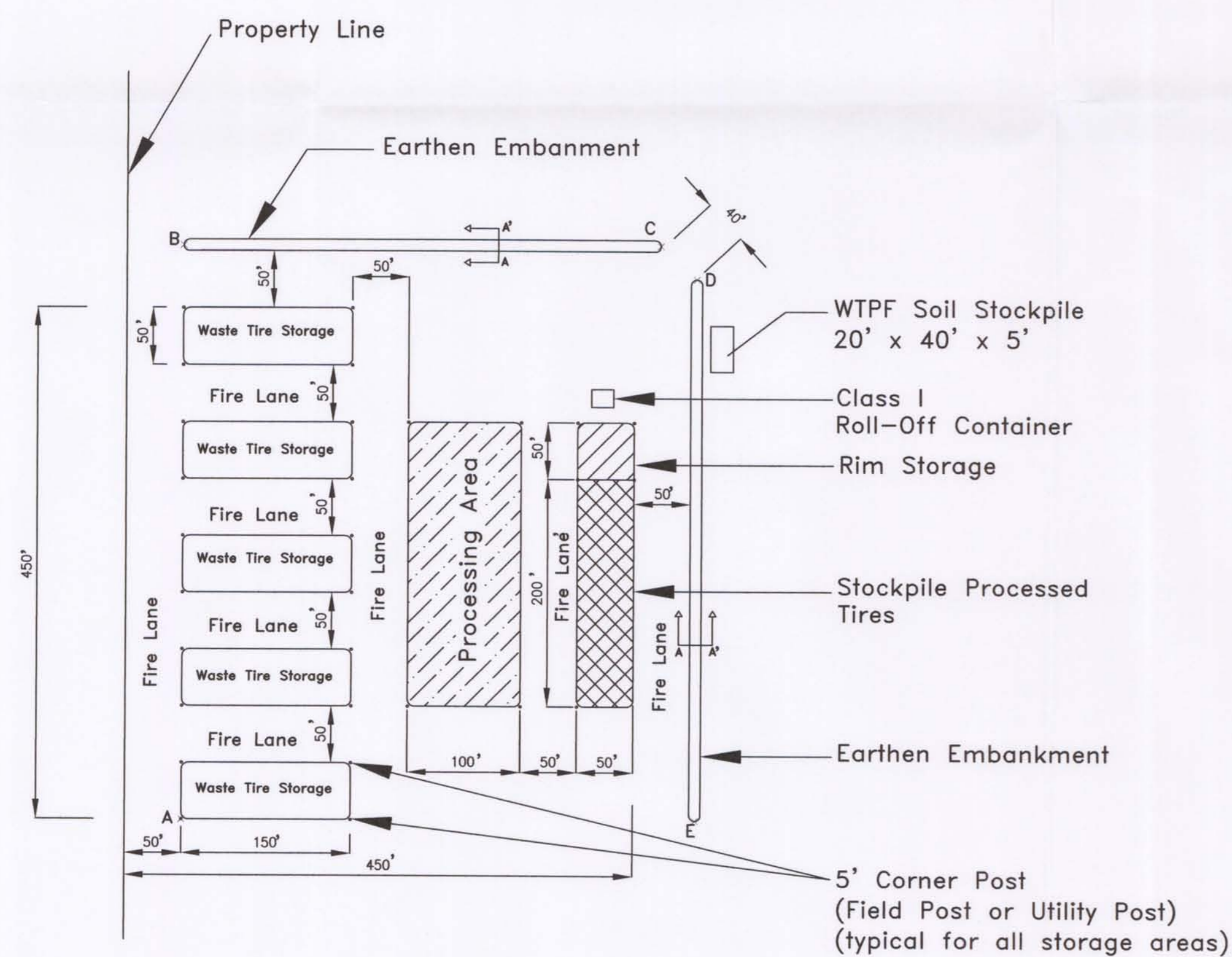
ATTACHMENT 2
C-1 SITE PLAN DRAWING
SIGNED AND SEALED BOUNDARY SURVEY



Section A-A
not to scale

Note: Mulch exterior surface of earthen embankment to provide erosion protection

Coordinate Layout Table		
Name	N	E
A	1000+00	1000+00
B	1505+00	1000+00
C	1505+00	1423+05
D	1475+81	1463+71
E	1000+00	1455+00



1 Waste Tire Processing Facility Site Plan

SCALE - 1" = 100'

1 Waste Tire Processing Facility Site Plan



Notes:
1. Topographic Contour lines show at the waste processing facility represent information from the USGS Dade City, Florida Quadrangle, photo, revised 1988.
2. Aerial photograph from Google Earth Maps, Imagery Date: Dec. 2010.

Enterprise Class III Facility Site Plan

SCALE - 1" = 200'

Rev. #1 2.8.11		Revisions	
Job No. 01.B.08:	Drawn By: NDR	Job No. 01.B.08:	Drawn By: NDR
CAD File Name: -	Date: 10.15.10	CAD File Name: -	Date: 10.15.10
Plot Scale:	Scale: as noted	Plot Scale:	Scale: as noted
Plot Date: 2.8.11	Approved By: JPA	Plot Date: 2.8.11	Approved By: JPA

ANGELO'S RECYCLED MATERIALS

41111 Enterprise Rd
Dade City FL 33525
Email: John.Phillip.Armold@gmail.com
Phone (352) 567-7676 Fax (352) 567-9448

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FEB 11 2011
SOUTHWEST DISTRICT TAMPA

Owner: ANGELOS RECYCLED MATERIALS
Project Name: Dade City Tire Processing
Address: 41111 Enterprise Rd.
(352) 567-7676

DWG. NO. C-1

N

SCALE 1" = 200'


—●— DENOTES SET 5/8" IRON ROD #LB6382
UNLESS OTHERWISE INDICATED

THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 5 LYING WEST OF THE
RIGHT-OF-WAY ON AUTON ROAD; AND THE SOUTH 30.00 FEET OF THE
NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 5 LYING WEST OF THE
RIGHT-OF-WAY ON AUTON ROAD, LESS THE EAST 50.00 FEET THEREOF; ALL
IN TOWNSHIP 25 SOUTH, RANGE 22 EAST.

AND: THE NORTH 1/2 OF THE NORTHWEST 1/4 OF SECTION 8 LYING WEST OF THE RIGHT-OF-WAY ON AUTON ROAD AND NORTH OF THE RIGHT-OF-WAY ON ENTERPRISE ROAD: ALL IN TOWNSHIP 25 SOUTH, RANGE 22 EAST.

PASCO COUNTY, FLORIDA.

- 1- THIS MAP REPRESENTS A BOUNDARY SURVEY.
- 2- DESCRIPTION SHOWN HEREON COMPILED IN CONJUNCTION WITH THIS SURVEY.
- 3- BEARINGS SHOWN HEREON ARE BASED ON ASSUMED DATUM AND REFERENCED TO THE EAST LINE OF THE SW 1/4 OF SECTION 5 BEARING S-01°06'19"-W.
- 4- NO APPARENT SURFACE ENCROACHMENTS EXCEPT AS SHOWN HEREON.
- 5- UNDERGROUND ENCROACHMENTS OR UTILITIES (IF ANY) NOT LOCATED IN CONJUNCTION WITH THIS SURVEY.
- 6- FENCES SHOWN HEREON ARE ENLARGED FOR CLARITY AND ARE NOT TO SCALE.
- 7- THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE SEARCH. THIS SURVEYOR NOT RESPONSIBLE FOR EASEMENTS, ADDITIONAL RIGHTS-OF-WAY OR OTHER ENCUMBRANCES OF RECORD NOT FURNISHED TO THIS OFFICE.
- 8- NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. ADDITIONS OR DELETIONS TO SURVEY MAP OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- 9- ANY REPRODUCTIONS OR DISTRIBUTION OF THIS SURVEY MAP OR REPORT WITHOUT THE EXPRESS WRITTEN CONSENT OF SIMMONS AND BEALL, INC. IS STRICTLY PROHIBITED. THIS SURVEY MAP OR REPORT IS VALID ONLY TO THOSE INDIVIDUALS OR ENTITIES NAMED HEREON. SIMMONS AND BEALL, INC. AND / OR THE SIGNING PARTY ASSUMES NO RESPONSIBILITY TO ADDITIONAL PARTIES FOR ITS UNAUTHORIZED USE.

<p>GENERAL LEGEND</p> <p> (D) Dead or Description CM Concrete Monument POB Point of Beginning P.C.P. Permanent Control Point P.M. Permanent Reference Monument R/W Right of Way R/R Railroad Spike N D Nail and Drive N C Computed Data P.C. Point of Curvature P.T. Point of Tangency I.P. Iron Pipe (F) P.I. Pipe (I) F.D. Field S. Set (R) Road (R) Non Road </p> <p>REVISIONS</p>	<div style="text-align: center;"> <p>SIMMONS & BEALL, INC</p> <p>SURVEYING & MAPPING</p> <p>FLORIDA L.B. NO. 6382</p> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: left;"> <p>P.O. BOX 1927 1228 HWY. 301 S. DADE CITY, FLORIDA 33526 352 567 0648 FAX (352) 567-0675</p> </div> </div> <p>Date of Survey: <u>03-30-01</u> Drawn by: <u>CD</u></p> <p>Date of Plot: <u>04-04-01</u> Checked by: <u>KH</u></p> <p>Job Number: <u>00271-A1</u> Sheet: <u>ONE OF ONE</u></p> <p>CERTIFIED TO :</p> <p style="text-align: center;">ANGELO'S AGGREGATE MATERIALS, LTD JONES, EDMUNDS AND ASSOCIATES, INC</p>
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ATTACHMENT 3
WELL INVENTORY

Enterprise Class III Landfill and Recycling Facility
Proposed Waste Tire Processing Facility (WTPF)

February 2011 Well Investigation – 500' Radius from WTPF

A field reconnaissance in the vicinity of the proposed waste tire processing facility (WTPF) at the Enterprise Class III Landfill and Recycling Facility site was performed on February 7, 2011. There were no potable water wells observed within 500 feet of the proposed WTPF. An Irrigation Well and Monitoring Wells MW-1A and MW-1B were observed within 500 feet of the proposed WTPF, as shown on the attached figure.

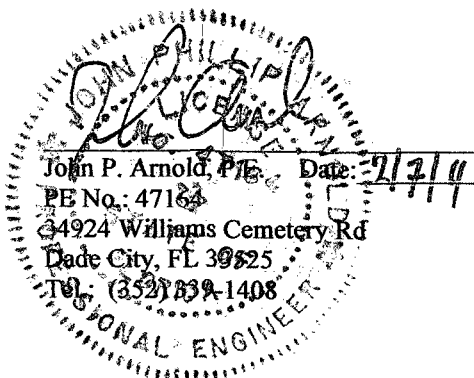
The Southwest Florida Water Management District database reports the following data related to the Irrigation Well:

Permit No.:	484484
Well Use:	Irrigation
S/T/R:	Section 6, Township 25 S, Range 22 E
Diameter:	12-inch
Casing Depth:	180'
Depth:	710'
Well Completion Date:	9/30/1991

Monitoring Wells MW-1A and MW-1B are part of the groundwater monitoring plan for the Enterprise Class III Landfill and Recycling Facility and have the following characteristics:

Name:	MW-1A
Diameter:	2-inch PVC
Depth:	126.72'

Name:	MW-1B
Diameter:	2-inch PVC
Depth:	67.11'





Enterprise Class III Landfill and Recycling Facility
 Proposed Waste Tire Processing Facility (WTPF)
 February 2011 Well Investigation – 500' Radius from WTPF

Professional Engineer
 No. 47164
 John P. Arnold, P.E. Date: 2/7/11
 PE No.: 47164
 34924 Williams Cemetery Rd
 Dade City, FL 33525
 Tel. (352) 339-1408

ATTACHMENT 4
PART III – ATTACHMENTS
(Revision 01; February 2011)

PART III - ATTACHMENTS

A. Facility Design

This application is for a Waste Tire Processing Facility (WTPF) at the Enterprise Class III Landfill and Recycling Facility (Enterprise facility). The proposed WTPF design is based on the West Pasco Solid Waste Complex Waste Tire Processing Facility (West Pasco Complex), which is operating under permit No. 126935-001-WT.

1. Location Map: The Enterprise facility is located in east Pasco County, as shown in Figure 1 (Attachment A). The proposed WTPF is within the property limits of the active Enterprise Class III Landfill and Recycling Facility (Permit No. 177982-007-SO/T3). Current land use and zoning maps are available online at Pasco County's Zoning GIS website (<http://gis.pascocountyfl.net/mappages/>). The County's GIS browser limits the scale of the drawing, so multiple figures have been provided showing the land use and zoning. Figures 2-2 and 2-3, from previous applications to the Department, have also been included in Attachment A and the land uses and zoning in these areas remains unchanged. Figure 2 depicts the site with a 1-mile radius and compiles zoning and land use from GIS browser.
2. Plot Plan: The layout of the proposed WTPF is provided on the site plan drawing (C-1), which is enclosed. The drawing and figures include the following information:
 - i) Storage Areas: The location and size of all storage and processing areas for unprocessed waste tires, processed waste tires, and waste tire processing residuals (metal rims) are shown on the WTPF site plan drawing. The overall WTPF is approximately 510' by 560'.
 - ii) Wetlands and Water Bodies: There are no wetlands or water bodies within 200' of the WTP area or any of the storage areas.
 - iii) Stormwater Control Measures: Modification of the existing Environmental Resource Permit for the existing Enterprise Class III Landfill and Recycling Facility is not necessary for the development of the proposed WTPF. The WTPF will be built on-grade without any permanent improvements or impervious area. The tire storage pads are not permanent improvements and are processing areas that at some future date are planned to become part of the Class III landfill. Based on discussions with the Solid Waste and Environmental Resource sections of the Department, an earthen embankment is proposed to provide a means to contain contact water in the event of a fire. At the conclusion of the WTPF operating permit, or when WTPF operations cease, the earthen embankment will be removed and the disturbed areas will be grassed. Elements of the system devised to contain contact fire-water include the following elements.
 - (a) A 3' earthen embankment is proposed along portions of the north and east sides of the WTPF to contain contact water runoff, in the event of a fire.
 - (b) Areas within the WTPF naturally slope northeast corner of the site, towards the earthen embankment.
 - (c) A 40' wide gap in the earthen embank will be provided to allow for the natural, unimpeded runoff of stormwater. An earthen stockpile will be

provided (20' wide x 40' long x 5' high) outside of the earthen embankment to provide sufficient material to close the gap if there is a fire. In the event of a fire, the gap in the earthen embankment will be plugged, using on-site earth-moving equipment, with several loads of soil material from the dedicated stockpile to contain firewater runoff and residue.

- iv) Boundaries: The WTPF boundaries are shown on the drawing (enclosed). The legal boundary of the land containing the WTPF (Enterprise Facility) is on file with the Department. Data from the Pasco County Property Appraiser for the Enterprise Facility is provided in Attachment B. There are no easements or rights of way that are within the facility or within 200' of any storage area.
- v) Wells: The location, size and depth of all wells within the facility, or within 200' of any storage area, are on file with the Department. A copy of the site plan and well construction data, submitted by HDR with in October 2010 (second semiannual groundwater quality monitoring report), is provided in Attachment C.
- vi) Structures and Buildings. No structures or buildings are proposed for the WTPF.
- vii) Loading and Unloading Areas: All areas used for loading and unloading are shown on the drawing (enclosed).
- viii) Roads and Fire Lanes: All access roads and internal roads, including fire lanes are shown on the drawing (enclosed).
- ix) Access Control Measures: The location of all fences, gates, and other access control measures are shown on the drawing (enclosed).
- x) Disposal Areas: The location of the disposal area (Class III landfill) is shown on the drawing (enclosed).

B. Facility Operations

1. Incoming Waste Tires

The proposed waste tire processing facility is within and would become a component of the existing Enterprise Class III Landfill and Recycling facility. The Enterprise facility is open during the hours of 7:00am to 5:00pm, Monday through Saturday. The Department will be notified prior to initiating any changes to the facility operating hours.

The entrance to the facility is equipped with a chain-link gate that is locked during non-operating hours. The scale house complex is equipped with four (4) electronically operated and computer controlled truck scales.

Incoming waste tires vehicles will be weighed for gross weight. The same vehicles will be weighed on the outbound scales for tare weight. Tare weights are recorded in the computer for all regular customers. All transactions involving up to five individual passenger car tires will be approximated at 20 pounds per tire, the equivalent of 100 tires per ton. All transactions involving up to 5 individual truck tires will be approximated at 100 pounds per tire, equivalent to 20 tires per ton.

Whole tires received at the WTPF will be placed on five (5) separate 50-ft by 150-ft (37,500 square feet) storage pads. The whole tires will be stacked no higher than 15' above grade.

2. Description of Tire Processing Equipment

A private company (contractor) will be used for biannual, or more frequent, waste tire processing. The mobile waste tire processor shall be required to comply with the provisions of Rule 62-711.801, F.A.C., including any applicable air permit(s). The processing will be performed on-site with shredding equipment mobilized to the WTPF. The specific area for the processing equipment measures approximately 100-ft by 250-ft. The layout of the WTPF is shown on the drawing (enclosed). The tire processing equipment will shred the individual tires to approximately 3 square inches, or less. The shredded material will be stockpiled in the designated area and transported to the Class III landfill for disposal, or used as initial cover. Processed tires will be removed from the WTPF every other day, or more frequently, to comply with the storage capacity limit(s) of the stockpile. The removal of processed tires will commence when tire processing operations start and continue thereafter until all processed tires are removed.

Tires delivered to the WTPF on rims will be de-rimmed by the contractor before being processed. Metal residuals will be stored in the designated area shown on the drawing (enclosed). Metals will be hauled off site for recycling.

Modern Recycling of Florida (contractor), which is the same vendor being used by Pasco County at the West Pasco Solid Waste Complex, has provided a letter listing the pertinent information (please refer to Attachment D). The contractor intends to use shredding equipment manufactured by the Columbus McKinnon Corporation. They will also have a tire de-rimming machine. The model name provided is "CM Mobil Tire Shredder". The shredder has a manufacturer's rated capacity of shredding up to 10 tons per hour.

3. Processed Tires

The shredded tires will be stored in the Processed Storage area shown on the drawing. This area is 50-ft by 200-ft. The height of the pile will not exceed 12 feet above grade. All of the processed tires will be hauled to the Enterprise Class III landfill for disposal, or used as initial cover. The only residue created by the bi-annual tire chipping operation is expected to be metal rims. Prior to processing, the metal rims will be removed by the contractor and reclaimed as scrap metal. The reclaimed metal will be stored on-site prior to delivery off-site to scrap metal vendor(s).

4. Throughput

The maximum daily throughput is dictated by the equipment capacity and is reported at 10 tons per hour, or approximately 90 tons per work day. Since tire shredding operations are planned to occur biannually (or more frequently if the stockpiles are at capacity), the maximum and planned throughput on a daily basis are the same. During these mobilizations, we anticipate that the tire shredder will operate continuously during facility operating hours until the waste tire stockpiles have been depleted.

The actual quantity of waste tires received daily and annually has been assumed and is based on the records for the closest similar facility, which is the West Pasco Solid Waste Complex

(126935-001-WT). The same market conditions that apply to this facility are assumed to exist at the proposed facility. The average quantity of waste tires received daily at the West Pasco Solid Waste Complex is reported at 8 tons, which equates to approximately 2,500 tons per year.

5. Tire Storage Area

Signs will be posted at the entrance of the site stating the operating hours of the facility as well as the tipping fee(s) for disposing of waste tires. Additional signage at the storage area prohibits open flames within 50 feet of the storage piles. On-site personnel will be present when the site is open for business and at all times when waste tires are received.

Dimensions, volumes, and capacities of the WTPF are provided in Attachment E. The information in Attachment E also provides storage estimates to document compliance with Rule 62-711.530(2)(a), F.A.C. Specifically, the aggregate of whole waste tires, processed waste tires, and residuals is estimated to be approximately 2,066 tons, which is less than 60 times the daily through-put of the processing equipment, which is approximately 5,400 tons. Whole waste tire storage is estimated to be approximately 927 tons, which is less than 30 times the daily through-put of the processing equipment, which is approximately 2,700 tons.

6. Emergency Preparedness Manual

An Emergency Preparedness Manual (EPM) has been prepared for the site and is included as Attachment F to comply with the provisions of Rule 62-711.540(1)(e), F.A.C. This Manual will be kept on site at the scale house. A copy will also be maintained with the Engineer, Mr. John Arnold, P.E.

In the event of an emergency, site personnel will follow the procedures outlined in the Manual and notify the Florida Department of Environmental, Southwest Section, Solid Waste Section (Department). The notice to the Department will be in writing and document the emergency condition, response, damage, and any proposed remedial activities.

Waste tire piles will be sprayed annually or more frequently for mosquito control. Access roads will be maintained and kept passable for all motor vehicles.

7. Fire Safety Survey

A copy of the Emergency Preparedness Manual will be provided to the Pasco County Fire Marshal. A fire safety survey will be conducted at least annually and the survey report will be made part of the next quarterly report, in accordance with Rule 62-711.540(d), F.A.C. The correction of deficiencies noted on the annual fire safety survey (survey) will be completed within 14 days of receiving the survey. In the event a corrective action is identified that may take longer than 14 days to correct, written notification will be provided to the Department, within 7 days of receiving the survey, proposing a corrective-action plan. The corrective-action plan would include, at a minimum, a description of the deficiency, proposed corrective action, schedule, and notification to the Department that corrective action is complete.

8. 75% Annual Accumulation Removal and Reporting

Processed waste tires are permissible Class III waste and will be disposed of at the applicants existing Class III landfill (177982-007-SO/T3) or used as initial cover, meeting the 75% annual removal criteria established by the Department.

The following records, which will be available for inspection by Department personnel during normal business hours, will be maintained on-site at the scale house for three years:

- (a) For all waste tires shipped from the facility, the name and waste tire collector registration number of the waste tire collector who accepted the waste tires for transport, and the quantity of waste tires shipped with that collector; and if the waste tires were shipped with a person who is not a waste tire collector, the number of tires shipped, the person's name, address and telephone number; and the place where the waste tires were deposited;
- (b) For all waste tires received at the facility, the name and waste tire collector registration number of the collector who delivered the waste tires to the facility, and the quantity of waste tires received from that collector; and if more than five waste tires were delivered by a person who is not a waste tire collector, the number of tires delivered and the person's name, address and telephone number; and
- (c) Annual fire safety survey;
- (d) Emergency Preparedness Manual;
- (e) Department Permit(s);
- (f) *Waste Tire Processing Facility, Permit Application, Enterprise Road Recycling and Disposal Facility, Pasco County, Florida, November 2010;*
- (g) Quarterly and annual reports on Form 62-701.900(21);
- (h) Annual closure cost estimates and financial assurance documentation.

9. Unacceptable Waste

Unacceptable waste that may come in with loads of incoming tires, including incidental Class I waste, will be removed for proper disposal. Since waste tire haulers are required to be registered and tire disposal fees generally exceed Class I disposal fees, the quantity of unacceptable waste is assumed to be de-minimis. A Class I roll-off container, with lid, will be placed at the WTP facility to accommodate Class I compliant materials. The roll-off container will be provided and serviced by an authorized Pasco County commercial waste hauler (Central Carting or equivalent) on a regular basis, as necessary to manage incidental unacceptable waste removal at the WTP facility. Other incidental, unacceptable materials that are not suitable for Class I disposal will be re-loaded on the incoming vehicle and removed from the site.

C. Closure Plan and Closing Cost Estimate

Closure of the WTPF will include the following tasks:

- Stop waste tire disposal access to the site;
- Post a notice at the site entrance and scale house that the site will no longer accept waste tires and is closed including the phone number of the Pasco County Solid Waste Department and the location of the nearest waste tire processing facility accepting waste tires;
- Notify the Department of the closing;
- Remove all waste tires, processed tires, and residuals to a waste tire processing facility, solid waste management facility authorized to accept waste tires, or other authorized facility; remove corner posts, earthen embankments, grass disturbed areas, and perform site clean-up;
- Notify the Department that the closure of the WTPF is complete.

The Department will be given a minimum of 60 days written notice prior to closure. Such notification will give the Department the opportunity to inspect the facility and determine if any other procedures are necessary as part of the closure. The WTPF closure activities will be complete in accordance with the approved closure plan and permit(s) within 180 days after receiving the final quantity of waste tires.

The closure cost estimate is provided in Attachment G.

D. Financial Responsibility

Proof of financial responsibility meeting the requirements of Rule 62-711.500(3), for the estimate provided in Attachment G, will be provided to the Department upon their approval of the referenced estimate.

E. Land Owner Approval

The land owner and applicant are the same entity.

F. Other Environmental Permits

The processed waste tires will be disposed of at the applicant's Class III landfill; Department Permit No. 177982-007-SO/T3 issued May 31, 2007.

G. Permit Fee

The permit application fee for the WTPF, in the amount of \$1,250.00 is enclosed.

ATTACHMENT 5
WEST PASCO SOLID WASTE COMPLEX
WASTE TIRE QUANTITY REFERENCE – CDM FACILITY OPERATION REPORT

1.2.3 Process Residue

The shredded tires are stored in chipped tire storage pile that is 50 feet wide by 200 feet long. The height of the pile for the processed tires will kept to less than 10 feet. All of the chipped tires are hauled by truck to the waste-to-energy facility for combustion in accordance with Specific Condition No. A.7.1.8 of FDEP Permit No. 1010056-002-AV or used to supplement daily cover at MSW Cell SW-2. The only significant residue created by the bi-annual tire chipping operation is the metal rims. Prior to shredding, the metal rims are removed by the contractor and placed in a scrap metal pile (also referred to as the rim storage area). From there, a scrap metal dealer is dispatched to the site to collect them and remove them from the site.

1.2.4 Throughput

On an average day, the site receives approximately 8 tons of tires for storage. As stated previously, this equates to approximately 2,500 tons per year. Records of the quantity of waste tires received at the site are created by the automated scale software and are maintained by the Facility Manager.

1.2.5 Tire Storage

Signs are posted at the entrance of the site stating the operating hours of the facility as well as the tipping fees for disposing of waste tires. Additional signage at the storage area prohibits open flames within 25 feet of the storage piles. Pasco County employees monitor the area and are present when tires are being off-loaded by the general public. These County employees are equipped with two-way radios to insure that Pasco County Fire Rescue is contacted in case of a fire.

An updated Emergency Preparedness Manual has been created for the site and is included as **Attachment 1** to comply with the provisions of Rule 62-711.540(1)(e), F.A.C. This manual will be kept on site in the Facility Manager's office. A copy will also be maintained at the Utility Services Branch of the Pasco County Government Center on Ridge Road. A copy of the recent fire safety survey is included as **Attachment 2** to this application.

In the unlikely event that such a fire or other emergency should occur, Pasco County will immediately contact the Department and submit a written report within two weeks of the emergency describing the origin of the emergency, an analysis of the actions that were taken in response to the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions.

Additional measures to protect the public health and welfare include routine spraying and periodic site inspections by the Pasco County Mosquito Control Section. Pasco County Solid Waste employees are also instructed to remain vigilant of rodents and other vectors that may create a nuisance at the site. An approach and access road to the waste tire site will be kept passable for any motor vehicle at all times.

ATTACHMENT 6
PROPERTY DEEDS AND ACCOMPANYING AERIAL PHOTOGRAPH

9, 42C

2001040224
Rept: 488384 Rec: 10.50
DS: 13220.50 IT: 0.00
04/12/01 JED PITTMAN, PASCO COUNTY CLERK

R

Prepared by and return to:
Mandy Baldwin-Luffman
Employee
Johnson, Auvil & Brock, P.A.
37837 Meridian Avenue Suite 314
Dade City, Florida 33525

JED PITTMAN, PASCO COUNTY CLERK
04/12/01 02:10pm 1 of 2
OR BK 4583 PG 960

File Number: 01-03-47

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 12th day of April, 2001, between Sid Larkin & Son, Inc., a Florida corporation whose post office address is P.O. Box 1747 Dade City, FL 33526, grantor, and Angelo's Aggregate Materials, LTD, a Florida limited partnership whose post office address is 26400 Sherwood, Warren, Michigan 48091, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Pasco County, Florida to-wit:

The South 1/2 of the SW 1/4 of Section 5 Lying West of the Right-of-Way on Auton Road; And the South 30.0 feet of the NE 1/4 of the SW 1/4 of Section 5, Lying West of the Right-of-Way on Auton Road; Less the East 50.0 feet thereof; And the SW 1/4 of the NW 1/4 of Section 5, all in Section 5, Township 25 South, Range 22 East.

The South 1/2 of the NE 1/4 of Section 6; And the North 1/2 of the SE 1/4 of Section 6; Less the South 281.0 feet of the West 181.0 feet thereof; And the NE 1/2 of the NE 1/4 of the SE 1/4 of the SE 1/4 of Section 6; All in Township 25 South, Range 22 East.

The North 1/2 of the NW 1/4 of Section 8 Lying West of the Right-of-Way on Auton Road; Less the South 25.0 feet thereof; All in Township 25 South, Range 22 East.

All lying in and being in Pasco County, Florida.

Subject to maintained right-of-way on Duck Lake Canal Road

Parcel Identification Number: 05-25-22-0000-00500-0030

Together with all the tenements, hereditaments, easements and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes and solid waste assessments accruing subsequent to December 31, 2000, zoning and/or restrictions imposed by governmental authority.

DoubleTimes

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written

Signed, sealed and delivered in our presence:

Long A. J.
Witness Name: Long A. J.
Monica Baldwin Hoffman
Witness Name: Monica Baldwin Hoffman

Sid Larkin & Son, Inc.
a Florida corporation

By: Jon S. Larkin II
Jon S. Larkin, II
President

(Corporate Seal)



State of Florida
County of Pasco

The foregoing instrument was acknowledged before me this 17th day of April, 2001 by Jon S. Larkin, II, President of Sid Larkin & Son, Inc., a Florida corporation, on behalf of the corporation. He ☐ is personally known to me or ☒ has produced a driver's license as identification

[Notary Seal]

Elizabeth A. Baldwin
Notary Public

Printed Name: Elizabeth A. Baldwin

My Commission Expires: _____



Elizabeth A. Baldwin
MY COMMISSION # CCS29381 EXPIRES
November 30, 2001
NOTARY PUBLIC - PASCO COUNTY, FL

Pasco County, Florida
3.7 miles N of Richland

Prepared by the Office of Mike Wells, Pasco County Property Appraiser.

Map Created on 1/14/2011 at 11:23:54 AM.



3
7497,425

R

Prepared by and return to:
Josephine Lee Larkin, For
Meridian Title Company, Inc.
37837 Meridian Avenue Suite 100
Dade City, FL 33525

File Number: 05-07-67



Rcpt: 952030 Rec: 27.00
DS: 52482.50 IT: 0.00
12/15/05 *AK* Dpty Clerk

JED PITTMAN, PASCO COUNTY CLERK
12/15/05 04:31pm 1 of 3
OR BK **6749** PG **432**

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 14 day of December, 2005, between Sid Larkin and Son, Inc., a Florida corporation, whose post office address is 39651 LARKIN LAKE DRIVE, Dade City, FL 33525, grantor, and Angelo's Aggregate Materials, LTD., a Florida Limited Partnership, whose post office address is 26400 Sherwood, Warren, MI 48091, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Pasco County, Florida to-wit:

SEE EXHIBIT "A" ATTACHED HERETO & MADE A PART HEREOF FOR A MORE PARTICULAR DESCRIPTION OF SAID PROPERTY.

Parcel Identification Number: 082522 0000 00100 0000
and
Parcel Identification Number: 082522 0000 00100 0100
and
Parcel Identification Number: 072522 0000 00100 0000

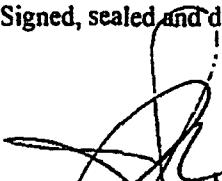
Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.


To Have and to Hold, the same in fee simple forever.

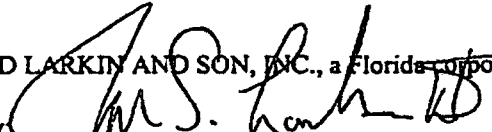
And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005, zoning and/or restrictions imposed by governmental authority, and easements, restrictions and reservations of record, if any, however this reference shall not serve to reimpose same.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

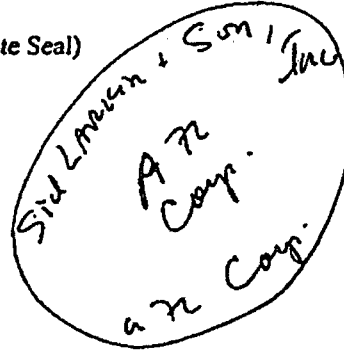
Signed, sealed and delivered in our presence:


Witness Name: Josephine Lee Larkin


Witness Name: Linda Breaker

SID LARKIN AND SON, INC., a Florida corporation
By: 
Jon S. Larkin, II, President

(Corporate Seal)



State of Florida
County of Pasco

The foregoing instrument was acknowledged before me this 14 day of December, 2005 by Jon S. Larkin, II, President of SID LARKIN AND SON, INC., a Florida corporation, on behalf of the corporation. He ☐ is personally known to me or ☒ has produced a driver's license as identification.

[Notary Seal]


Notary Public

Printed Name: Josephine Lee Larkin

My Commission Expires: July 16, 2007



Josephine Lee Larkin
MY COMMISSION # DD206215 EXPIRES
July 16, 2007
BONDED - RUTROY FARM INSURANCE, INC.

Exhibit A

OR BK 6749 PG 434
3 of 3

A PORTION OF SECTIONS 7 AND 8, TOWNSHIP 25 SOUTH, RANGE 22 EAST, PASCO COUNTY, FLORIDA, FURTHER DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF SECTION 7, TOWNSHIP 25 SOUTH, RANGE 22 EAST, BEING ALSO THE SOUTHWEST CORNER OF SECTION 8, TOWNSHIP 25 SOUTH, RANGE 22 EAST, THENCE ALONG THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 7, RUN S-89°26'48"-W, 2425.00 FEET, THENCE N-00°12'51"-W, 3948.82 FEET TO THE INTERSECTION OF THE SOUTHERLY RIGHT-OF-WAY LINE OF ENTERPRISE ROAD, THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES: N-89°43'20"-E, 792.52 FEET; N-89°10'39"-E, 934.87 FEET; N-89°29'16"-E, 710.53 FEET; N-89°58'25"-E, 821.74 FEET; N-89°44'06"-E, 1769.79 FEET; TO THE INTERSECTION OF THE WESTERLY RIGHT-OF-WAY LINE OF SINGLETARY ROAD, THENCE ALONG SAID RIGHT-OF-WAY LINE THE FOLLOWING COURSES: S-00°13'53"-E, 609.68 FEET; S-07°39'10"-W, 656.12 FEET; S-00°13'53"-E, 50.00 FEET TO THE SOUTH LINE OF THE NORTHWEST 1/4 OF SAID SECTION 8, THENCE ALONG SAID LINE AND CONTINUING ALONG SAID RIGHT-OF-WAY LINE N 89°49'11"-E, 6.00 FEET; TO A POINT IN THE CENTER OF SINGLETARY ROAD AS NOW LOCATED; THENCE LEAVING SAID RIGHT-OF-WAY LINE AND RUNNING ALONG THE CENTERLINE OF SINGLETARY ROAD, S-00°27'46"-W, 2629.32 FEET, THENCE LEAVING SAID RIGHT-OF-WAY LINE S-89°38'12"-W, 557.00 FEET, THENCE S-89°47'10"-W, 1878.44 FEET, THENCE S-81°47'17"-W, 54.85 FEET TO THE POINT OF BEGINNING.

Parcel Identification Number: 082522 0000 00100 0000
and
Parcel Identification Number: 082522 0000 00100 0100
and
Parcel Identification Number: 072522 0000 00100 0000

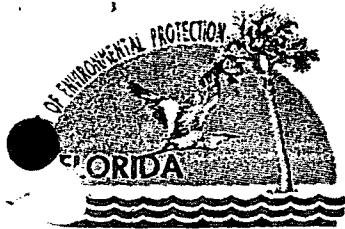
Pasco County, Florida
3.5 miles N of Richland

Prepared by the Office of Mike Wells, Pasco County Property Appraiser.

Map Created on 1/14/2011 at 11:27:31 AM.



ATTACHMENT 7
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
ENVIRONMENTAL RESOURCE PERMIT



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

FEB 22 2001

Enterprise Recycling & Disposal
c/o James Golden, P.G.
Hartman & Associates, Inc.
201 E. Pine St., Suite 1000
Orlando, FL 32801

FEB 26 2001

File No.: 51-0172489-001

Dear Mr. Golden:

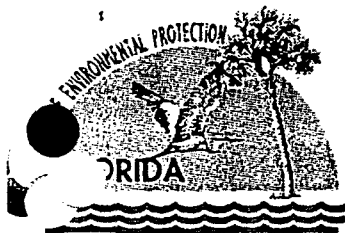
Enclosed is Environmental Resource Permit, File No. 51-0172489-001, issued pursuant to Part IV of Chapter 373, Florida Statute and Chapter 40D-4, Florida Administrative Code.

Thank you for your interest and cooperation in the permit process and in managing and protecting the natural resources of the state of Florida. If you have any questions, please contact me at (813) 744-6100, extension 470. When referring to this project, please use the file number indicated.

Sincerely,

Randal R. Cooper, P.E.
Surface Water Engineer
Submerged Lands and Environmental Resources

enclosure



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

SUBMERGED LANDS AND ENVIRONMENTAL RESOURCES FINAL PERMIT ENVIRONMENTAL RESOURCE INDIVIDUAL PERMIT

PERMITTEE/AUTHORIZED ENTITY:

Enterprise Recycling & Disposal
John Larkin
Sid Larkin & Son, Inc.
P.O. Box 1747
Dade City, FL 33526

Permit/Authorization Number:
51-0172489-001

Date of Issue: FEB 22 2001

Expiration Date of Construction
Phase:

FEB 22 2006
County: Pasco

AGENT:

James Golden, P.G.
Hartman & Associates, Inc.
201 E. Pine St., Suite 1000
Orlando, FL 32801

Project: Surface water management
system for a borrow pit operation
and Class III landfill..

This permit is issued under the authority of Part IV of Chapter 373, F.S., 40D-4, and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain an environmental resource permit. Pursuant to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing and taking final agency action on this activity.

This permit also constitutes certification compliance with water quality standards under Section 404 of the Clean Water Act, 33 U.S.C. 1344.

As staff to the Board of Trustees, the Department has reviewed the activity described below, and has determined the activity is not on state-owned submerged lands. Therefore, your project is exempt from the further requirements of Chapter 253, Florida Statutes.

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency. You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

The above named permittee is hereby authorized to construct the work shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof. This permit is subject to the limits, conditions, and locations

"More Protection, Less Process"

Printed on recycled paper.

of work shown in the attached drawings, and is also subject to the attached General Conditions and Specific Conditions, which are a binding part of this permit. You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and with the general and specific conditions of this permit/certification/authorization, as specifically described below.

ACTIVITY DESCRIPTION:

The project involves construction of a surface water management system for a borrow pit operation and Class III landfill.

Runoff from the site is not expected to be a concern during operation as a borrow pit because of the general increase of basin storage through the excavation and removal of soil. An increase in surface water runoff is expected during landfilling operation and closure. DEP Solid Waste rules require that the landfill be operated in a manner that does not collect and allow runoff to contact waste material and require that the landfill be closed with final cover designed to minimize infiltration of rainfall.

The surface water management system for the landfill consists of three (3) water retention areas, each sized to contain the runoff volume from a 25 year, 24 hour design event.

Name	Area	Containment
	@ TOB (ac)	Volume (ac-ft)
Pond 1	2.54	13.6
Pond 2	1.16	4.9
Pond 3	3.14	21.7

The surface water management system is intended to only serve the borrow pit and landfill, including entrance road and internal perimeter roads. No improvements to Enterprise Road are proposed or authorized by this Environmental Resource Permit.

Operation and maintenance of the surface water management system will be the responsibility of the applicant.

No wetlands will be impacted, no floodplain impacts are proposed, and there are no issues involving sovereign submerged lands.

The facility is as shown on the set of construction drawings and calculation booklet prepared by Hartman & Associates, Inc., and received at the Department on July 13, 2000, with additional information received on November 20, 2000.

The project area is located northwest of the intersection of Enterprise Road and Auton Road, in Sections 5 & 8, Township 25 South, Range 22 East, Pasco County.

SPECIFIC CONDITIONS:

1. All submittals required herein shall be directed to:

Department of Environmental Protection
Environmental Administrator
Submerged Lands & Environmental Resources
Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619

hereafter referred to as "the Department". Such submittals include, but are not limited to, record drawings, progress reports, mitigation monitoring reports and water quality monitoring reports.

All submittals shall include the permittee's name and permit number.

2. In the event that the permittee files for bankruptcy prior to completion of all work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.
3. If the approved permit, drawings and the Specific Conditions contradict each other, then the Specific Conditions shall prevail.
4. The permittee shall notify the Department in writing within 14 days of any change in agents designated in the approved permit application.
5. The permittee is responsible for retaining a professional engineer registered in the State of Florida to certify that the construction of the project is in compliance with the approved permit plans.
6. All drawings, record drawings, land surveys and as-built surveys required herein shall be certified by a Professional Engineer or Registered Land Surveyor, as appropriate, registered in the State of Florida.
7. Progress reports for the project shall be submitted to the Department beginning twelve (12) months after permit issuance and shall continue to be submitted every twelve (12) months until all permitted construction of the project is completed. Progress reports must be submitted to the Department even if there is no ongoing construction. Reports shall include the current project status and the construction schedule for the following twelve month period.
8. Excavation of the retention ponds are limited to the permitted design elevation. If limestone bedrock is encountered during construction the Department shall be notified and construction in the affected area shall cease.
9. In addition to the forms required in General Condition #13, the permittee shall submit two copies of signed, dated and sealed as-built drawings to the Department within 30 days of completion of construction. The as-built drawings shall be based on the Department permitted construction drawings which shall be revised to reflect any changes made during construction. Both the original design and constructed elevation must be clearly shown. The plans must be clearly labeled as "as-built"

or "record" drawings. All surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered surveyor or engineer. Record drawings shall include the invert elevations of all culverts and controlling elevations of all permitted structures as shown in the permitted drawings.

10. The retention areas are intended to become dry within 72 hours after a rainfall event. A pond that is regularly wet will be considered as not in compliance with this permit and possible modifications to the system may be required.

11. The permittee shall construct the surface water management system prior to any land clearing or mining activity within the project area. During borrow pit activities, the permittee shall operate and maintain the retention areas to ensure that no adverse water quality or quantity impacts will occur to receiving waters and adjacent lands.

12. The Operation and Maintenance Entity shall submit inspection reports in the form required by the Department, FDEP Form # 62-343.900(6), *Inspection Certification*, 24 months after operation is authorized and every 24 months thereafter.

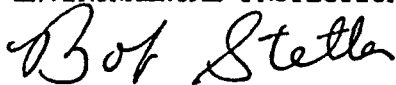
13. The surface water management system is intended to only serve the borrow pit and landfill, including entrance road and internal perimeter roads. No improvements to Enterprise Road are proposed or authorized by this Environmental Resource Permit.

14. The permitted surface water management system shall only be used for the purpose of controlling stormwater runoff and shall not be used to dispose of, store, or otherwise contain any C&DD material or for other operational aspects of the landfill.

15. The permittee shall construct the surface water management system prior to any land clearing, mining/borrow pit, or landfiling activity within the project area. During mining/borrow pit activities, the permittee shall operate and maintain the retention ponds in such a manner which will ensure that no adverse off-site water quality impacts will occur.

16. The permittee shall be aware of and operate under #1 through #25 of the attached "General/Limiting Conditions for Environmental Standard General and Individual Permits". General/Limiting Permit Conditions are binding upon the permittee and enforceable pursuant to Chapter 403 of the Florida Statutes.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Bob Stetler
Environmental Administrator
Submerged Lands and
Environmental Resources

Copies furnished to:

John Larkin, Sid Larkin & Son, P.O. Box 1747, Dade City, FL 33526

Bob Butera, FDEP Solid Waste Section

ERP file

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit, including all copies were mailed before the close of business on 2/22, 2001, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to 120.52(9),
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

Ernestine Robinson 2/22/01
Clerk Date

Processed by: Randal R. Cooper, P.E., and James Fine, ES II.
Prepared by: Ernestine Robinson



**ENVIRONMENTAL RESOURCE
PERMIT APPLICATION**

**SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT**

2379 BROAD STREET • BROOKSVILLE, FL 34609-6899
(352)796-7211 or FLORIDA WATS 1(800)423-1476

FOR AGENCY USE ONLY

ACOE Application # _____	DEP/WMD Application # _____
Date Received _____	Date Received _____
Proposed Project Lat. ____° ____' ____"	Fee Received \$ _____
Proposed Project Long. ____° ____' ____"	Fee Receipt # _____

SECTION A

PART 1:

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters?

☐ yes ☒ no

Is this application being filed by or on behalf of an entity eligible for a fee reduction ☐ yes ☒ no

PART 2:

A. Type of Environmental Resource Permit Requested (check at least one)

- ☐ Noticed General - include information requested in Section B
- ☐ Standard General (Single Family Dwelling) - include information requested in Sections C and D.
- ☐ Standard General (all other projects) - include information requested in Sections C and E.
- ☐ Standard General (minor systems) - include information requested in Sections C and H.
- ☐ Standard General (borrow pits) - include information requested in Sections C and I.
- ☐ Individual (Single Family Dwelling) - include information requested in Sections C and D.
- ☒ Individual (all other projects) - include information requested in Sections C and E.
- ☐ Individual General (borrow pits) - include information requested in Sections C and I.
- ☐ Conceptual - include information requested in Sections C and E.
- ☐ Mitigation Bank Permit (construction) - include information requested in Sections C and F.
(If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
- ☐ Mitigation Bank (conceptual) - include information requested in Sections C and F.

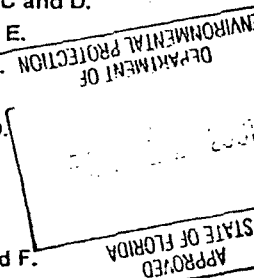
B. Type of activity for which you are applying (check at least one)

- ☒ Construction and operation of a new system including dredging or filling in, on or over wetlands and other surface waters. (If reapplying for an expired, denied or withdrawn permit/application, please provide previous permit # _____.)
- ☐ Alteration and operation of an existing system which was not previously permitted by a SWFWMD or DEP.
- ☐ Modification of a system previously permitted by a SWFWMD or DEP. Provide previous permit numbers: # _____ and check applicable modification type.
 - ☐ Alteration of a system ☐ Extension of permit duration ☐ Abandonment of a system
 - ☐ Construction of additional phases of a system ☐ Removal of a system

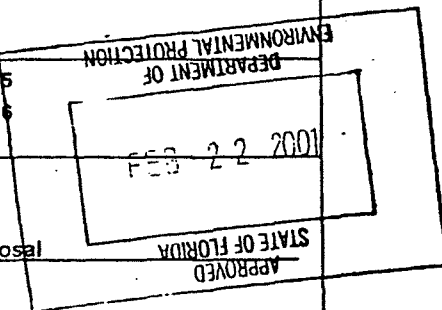
C. Are you requesting authorization to use State Owned Submerged Lands? ☐ yes ☐ no
If yes, include the information requested in Section G.

D. For activities in, on or over wetlands or other surface waters, check type of federal dredge and fill and fill permit requested: N/A
☐ Individual ☐ Programmatic General ☐ General ☐ Nationwide ☐ Removal of a System

E. Are you claiming to qualify for an exemption? ☐ yes ☒ no
If yes, provide rule number if known _____



PART 3:	
A. OWNER(S) OF LAND	B. APPLICANT (IF OTHER THAN OWNER)
NAME John Larkin	NAME
COMPANY AND TITLE Sld Larkin & Son, Inc.	COMPANY AND TITLE
ADDRESS PO Box 1747	ADDRESS
CITY, STATE, ZIP Dade City, FL 33526	CITY, STATE, ZIP
TELEPHONE () FAX ()	TELEPHONE () FAX ()
C. AGENT AUTHORIZED TO SECURE PERMIT (IF AN AGENT IS USED)	D. CONSULTANT (IF DIFFERENT FROM AGENT)
NAME	NAME James Golden, P.G.
COMPANY AND TITLE	COMPANY AND TITLE Hartman & Associates, Inc./Associate/Project Manager
ADDRESS	ADDRESS 201 E. Pine St., Suite 1000
CITY, STATE, ZIP	CITY, STATE, ZIP Orlando, FL 32801
TELEPHONE () FAX ()	TELEPHONE (407) 839-3955 FAX (407) 839-2066
PART 4: PROJECTION INFORMATION	
A. Name of project, including phase if applicable: <u>Enterprise Recycling & Disposal</u>	
B. Is this application for part of a multi-phase project? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
C. Total Applicant-owned area contiguous to the project: <u>155.1+</u> ac	
D. Total project area for which a permit is sought: <u>155.1</u> ac	
E. Impervious area for which a permit is sought: <u>5.4</u> ac	
F. What is the total area (metric equivalent for Federally funded projects) of work in, on, or over wetlands or other surface waters? <u>N/A</u> acres OR <u> </u> square feet (<u> </u> hectares <u> </u> square meters)	
G. If a docking facility, the number of proposed new boat slips: <u>N/A</u>	



PART 5: PROJECTION LOCATION (use additional sheets, if needed)

County(ies) Pasco
Section(s) 5, 8 Township(s) 25 Range(s) 22
Section(s) _____ Township(s) _____ Range(s) _____
Land Grant name, if applicable _____
Tax Parcel Identification Number _____
Street address, road, or other location Northwest Intersection of Enterprise Road and Auton

City, Zip code if applicable _____

PART 6: DESCRIBE IN GENERAL TERMS THE PROPOSED PROJECT, SYSTEM, OR ACTIVITY

The proposed project involves the development of a Class III Landfill. The Environmental Resource Permit application is for the construction of a stormwater management system. for the excavation stage and for the final landfill cover stage. The excavation stage will have a temporary pond designed to hold the 100-year/24-hour storm event to avoid the stormwater mixing with the landfill waste. The landfill cover stage will have three (3) permanent ponds designed to hold the 50-year/24-hour storm event. All ponds are designed to have a freeboard of 1 to 3 ft.

PART 5: PROJECTION LOCATION (use additional sheets, if needed)

County(ies) Pasco
Section(s) 5, 8 Township(s) 25 Range(s) 22
Section(s) _____ Township(s) _____ Range(s) _____
Land Grant name, if applicable _____
Tax Parcel Identification Number _____
Street address, road, or other location Northwest Intersection of Enterprise Road and Auton
City, Zip code if applicable _____

PART 6: DESCRIBE IN GENERAL TERMS THE PROPOSED PROJECT, SYSTEM, OR ACTIVITY

The proposed project involves the development of a Class III Landfill. The Environmental Resource Permit application is for the construction of a stormwater management system. for the excavation stage and for the final landfill cover stage. The excavation stage will have a temporary pond designed to hold the 100-year/24-hour storm event to avoid the stormwater mixing with the landfill waste. The landfill cover stage will have three (3) permanent ponds designed to hold the 50-year/24-hour storm event. All ponds are designed to have a freeboard of 1 to 3 ft.

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

FEB 22 2001

STATE OF FLORIDA
APPLICANT

PART 7:

- A. If there have been any pre-application meetings for the proposed project, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives. N/A

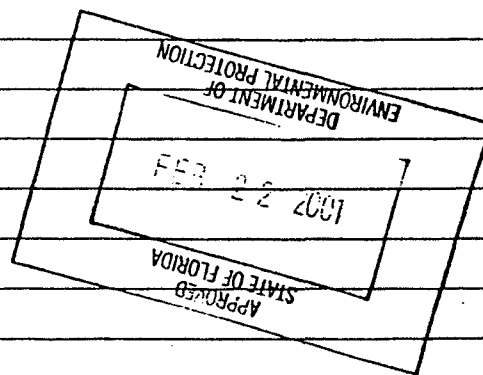
Date(s)	Location(s)	Names

- B. Please identify by number any MSSW/WRM (dredge & fill)/ERP/ACOE permits or applications pending, issued or denied and any related enforcement actions at the proposed project site. N/A

Agency	Date	Number/Type	Action Taken

- C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit and/or authorization to use state owned submerged lands. Please provide the names, address and zip codes of property owners whose property directly adjoins the project (excluding applicant) and/or is located within a 500 foot radius of the project boundary (for proprietary authorizations, if any). Please provide a drawing identifying each owner and adjoining property lines. (Use additional sheets, if needed). N/A

<p>1. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>2. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>3. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>4. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>5. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>6. _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>



PART 8:

- A. By signing this application form, I am applying, or I am applying on behalf of the owner or applicant, for the permit and/or proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application, and represent that such information is true, complete and accurate. I understand that knowingly making any false statement or representation in the application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001. I understand this is an application and not a permit and work prior to approval is a violation. I understand that this application and any permit or proprietary authorization issued pursuant thereto, does not relieve me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the owner or applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity.

John Larkin

Typed/Printed Name of Owner, Applicant or Agent

Corporate Title, if applicable

Signature of Owner, Applicant or Agent

Date

B. AN AGENT MAY SIGN ABOVE ONLY IF THE FOLLOWING IS COMPLETED.

I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirement which may be necessary to procure the permit or authorization indicated above.

Typed/Printed Name of Owner or Applicant

Corporate Title, if applicable

Signature of Owner or Applicant

Date

C. PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Southwest Florida Wastewater Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor authorized work if a permit is granted.

John Larkin

Typed/Printed Name

Corporate Title, if applicable

Signature

Date

- D. I certify that the engineering features of this surface water management system have been designed by me or under my responsible charge and in my professional opinion conform with sound engineering principles and all applicable rules and specifications. I further agree that I or my engineering firm will furnish the applicant/permittee with a set of guidelines and schedules for maintenance and operation of the surface water management system.

By:

Signature of Engineer of Record

Name (please type) FL P.E. No.

• AFFIX SEAL

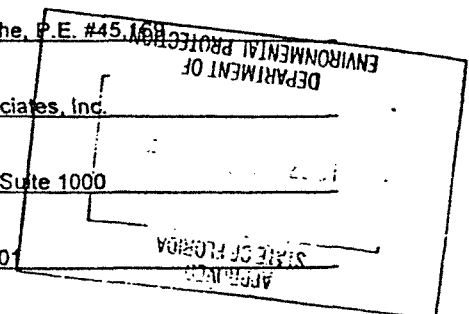
Date: 7/10/00

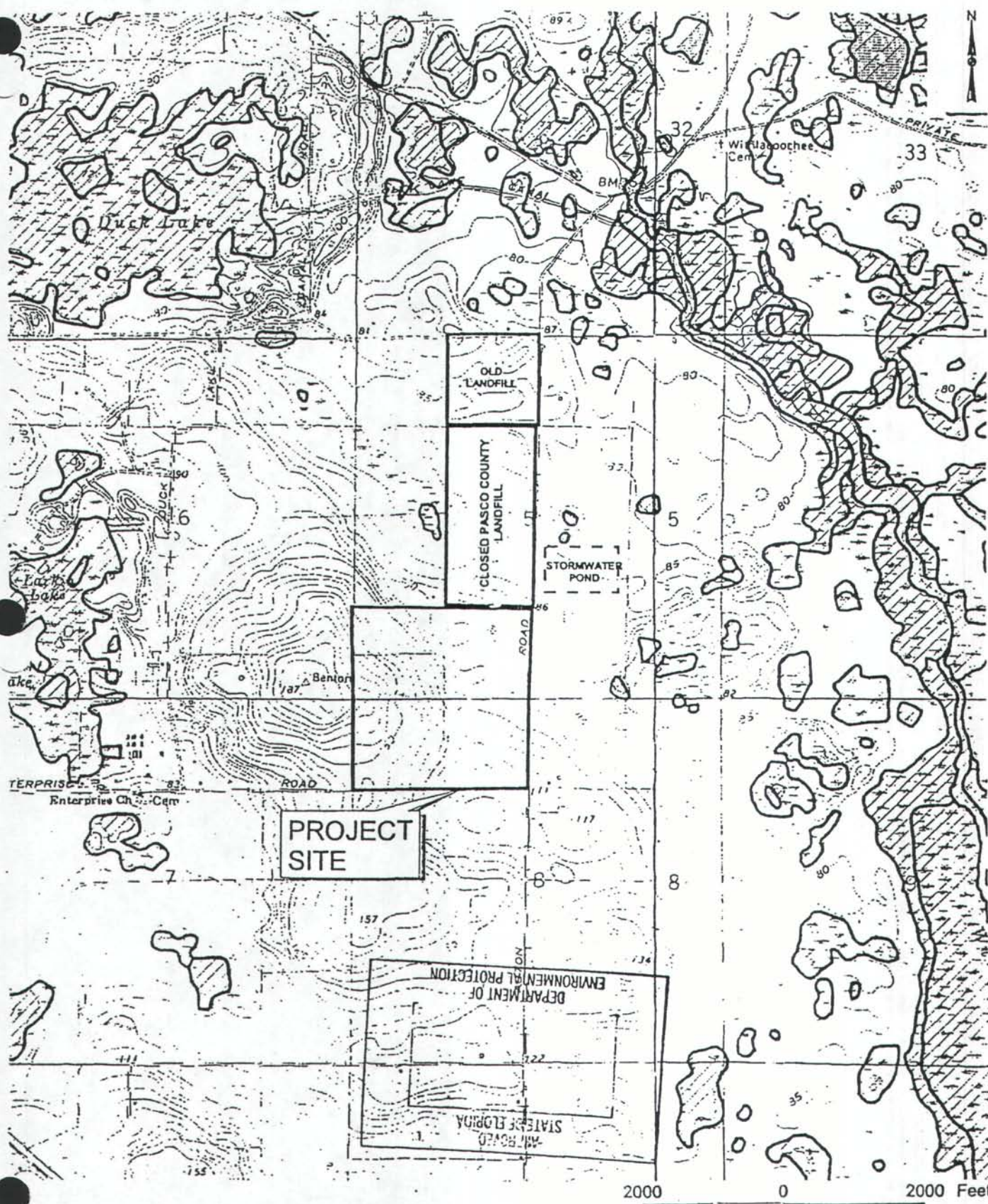
Phone: (407) 839-3955

Hartman & Associates, Inc.
Company Name

201 E. Pine St., Suite 1000
Company Address

Orlando, FL 32801
City, State, Zip





Sources: 7.5 Minute USGS Quadrangles - Dade City and Branchborough



HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 838-3855 - FAX (407) 838-3790

**NATIONAL WETLAND INVENTORY
PROPOSED CLASS III LANDFILL
DADE CITY, FLORIDA**

**FIGURE
4-4**

NOTE
IMAGE IS OF POOR QUALITY

GENERAL LIMITING CONDITIONS FOR ENVIRONMENTAL RESOURCE
STANDARD GENERAL AND INDIVIDUAL PERMITS

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and a pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the Department as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
5. Department staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the Department as a permit prior to the dewatering event as a permit modification. The permittee is advised that the rules of the Southwest Florida Water Management District state that a water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.
6. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

7. Off site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operation schedules satisfactory to the Department.

8. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.

9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:

a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.

b. Any existing septic tanks on site shall be abandoned at the beginning of construction.

c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.

10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.

11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a written notification of commencement using an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C.) indicating the actual start date and the expected completion date.

12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.), and "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343-900(7), F.A.C.). Additionally, if deviation from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.

14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved. Examples of substantial

deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.

15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the Department until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the Department, if different from the permittee. Until a transfer is approved by the Department pursuant to Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.

16. Should any other regulatory agency require changes to the permitted system, the Department shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.

17. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.

18. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.

19. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

20. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.

21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.

22. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of section 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

23. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with Department rules, regulations and conditions of the permits.

24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department and the Florida Department of State, Division of Historical Resources.

25. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

ATTACHMENT 8
MOBILE WASTE TIRE PROCESSING SHREDDER
MANUFACTURER'S SPECIFICATION DOCUMENT



Tire Recycling Equipment Solutions

For Profit and Planet

DUAL-SPEED TIRE SHREDDER

Rugged & Ready

The CM Dual-Speed Tire Shredder is designed to process higher capacities and heavier tires than the Single-Speed Shredder. It can shred whole tires at a rate up to 12 tons per hour; which is as many as 1,200 passenger or 200 truck tires. It's rugged enough to cut whole tires up to 48" in diameter, including steel-belted radials, in just one step.

Turnkey Ready

This turnkey whole tire-to-chip system includes all stands, platforms and conveyors and comes completely pre-wired — to quickly have you up and operational. And since it's designed for simplicity, you can keep your labor cost down to a minimum.

Features at a glance:

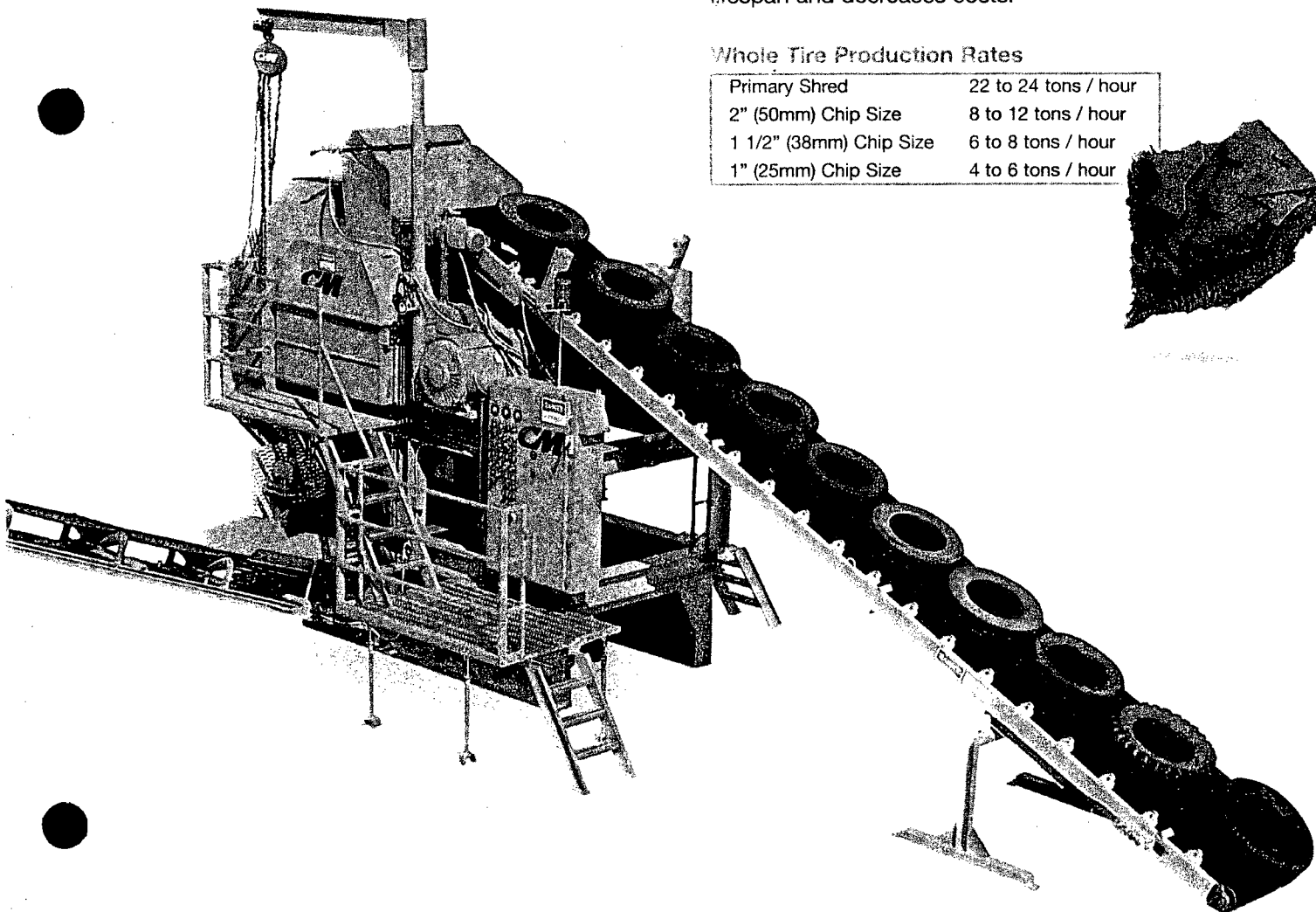
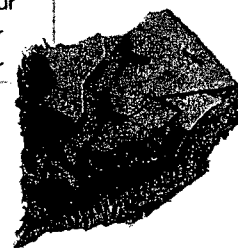
- Utilizes CM's Patented Knife Design
- Offered in mobile configurations
- Two-speed drive ensures energy efficient operation
- Patented classification and recirculation systems for easy monitoring of performance

The Cleanest Cuts in the Tire Recycling Industry

Our patented MULTI-STACK knife design operates at extremely close tolerances which produces the industry's cleanest cut with very little exposed wire. The knives can be resharpened and reused which significantly increases lifespan and decreases costs.

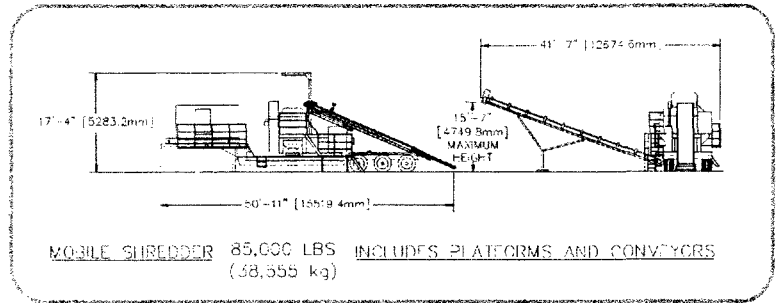
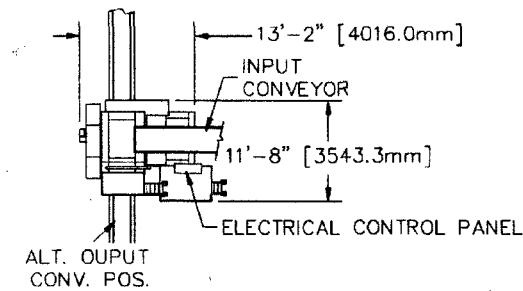
Whole Tire Production Rates

Primary Shred	22 to 24 tons / hour
2" (50mm) Chip Size	8 to 12 tons / hour
1 1/2" (38mm) Chip Size	6 to 8 tons / hour
1" (25mm) Chip Size	4 to 6 tons / hour



For more information or to see the Dual-Speed Tire Shredder in action,

Dual-Speed Tire Shredder Engineering

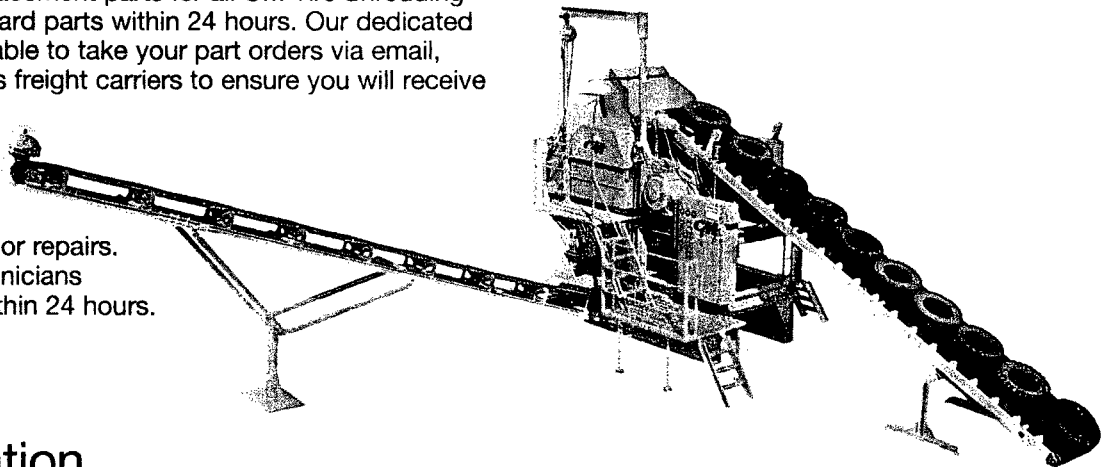


STATIONARY SHREDDER 60,000 LBS. INCLUDES PLATFORMS AND CONVEYORS
(27,215 KG)

Customer Service is Second to None.

We carry a complete line of replacement parts for all CM Tire Shredding Systems with shipping on standard parts within 24 hours. Our dedicated Customer Service Team is available to take your part orders via email, telephone or fax. We use various freight carriers to ensure you will receive your package on time and at the lowest cost.

We also provide Field Service Technicians support if your equipment needs maintenance or repairs. Depending on location, our technicians can generally be on your site within 24 hours.



For more information,
please call us at

(800) 848-1071 or (941) 755-2621

FLORIDA PERMITTED MOBILE WASTE TIRE PROCESSORS

Updated April 1, 2010

NAME	EXPIRATION DATE	ADDRESS	CITY	STATE	ZIPCODE	PHONE NO.	CONTACT
ROJAS HARVESTING, INC.	8/31/2010	1644 NE 40th AVENUE	OKEECHOBEE	FL	34972	863-634-6067	FLORA ROJAS
MODERN RECYCLING, INC.	9/30/2010	24278 PRODUCTION CIRCLE	BONITA SPRINGS	FL	34135	239-253-5522	BOB CARLSON
KOALA KOMPANIES DBA KITTO SHEDS & EQUIPMENT	4/21/2010	29181 US HIGHWAY 27	DUNDEE	FL	33838	863-438-0038	JILL KITTO
NEED TO RECYCLE, LLC	12/24/2010	7004 NAVARRE PARKWAY	NAVARRE	FL	32566	850-281-8446	DAN NEISUS

ATTACHMENT 9
WASTE TIRE PROCESSING AREA DIMENSIONS, VOLUMES, AND CAPACITIES
(Revision 01; February 2011)

**ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
WASTE TIRE PROCESSING FACILITY
DIMENSIONS, VOLUMES & CAPACITIES**

(Revision 01; February 2011)

Item Description	Pad 1 Whole Tire	Pad 2 Whole Tire	Pad 3 Whole Tire	Pad 4 Whole Tire	Pad 5 Whole Tire	Pad 6 Processed Tire	Pad 7 Rim	Reference/Note
BASE LENGTH, L1 (ft)	150	150	150	150	150	200	50	Site Plan
BASE WIDTH, W1 (ft)	50	50	50	50	50	50	50	Site Plan
BASE AREA, A1 = L1 * W1 (sf)	7,500	7,500	7,500	7,500	7,500	10,000	2,500	Calculation
SIDE SLOPE OF PILE, S (horz.:vert)	1.5 : 1 FOR ALL PILE SIDE SLOPES							Assumed
HEIGHT, H (ft)	15	15	15	15	15	12	12	Prescribed
TOP LENGTH, L2 (ft) = L1-(2*H*S)	105	105	105	105	105	164	14	Calculation
TOP WIDTH, W2 (ft) = W1-(2*H*S)	5	5	5	5	5	14	14	Calculation
TOP AREA, A2 = L2 * W2 (sf)	525	525	525	525	525	2,296	196	Calculation
VOLUME, V (cf)	50,047	50,047	50,047	50,047	50,047	68,351	13,584	See Note 1
VOLUME, V (cy)	1,854	1,854	1,854	1,854	1,854	2,532	503	See Note 2
WHOLE TIRES DENSITY (loosely packed, lb/cy)	200	200	200	200	200	n/a	n/a	See Note 3
PROCESSED TIRE DENSITY (loosely packed, lb/cy)	n/a	n/a	n/a	n/a	n/a	900	450	See Notes 4 & 5
STORAGE PER PAD, S = V * Density (lb)	370,715	370,715	370,715	370,715	370,715	2,278,355	226,400	Calculation
STORAGE PER PAD, S (ton)	185.36	185.36	185.36	185.36	185.36	1,139.18	113.20	Calc: 2000lb/ton

TOTAL TIRES WHOLE (ton) = 927 (Sum of Storage per Pad, S; Pads 1 through 5)

TOTAL TIRES PROCESSED (ton) = 1,139 (Sum of Storage per Pad, S; Pad 6)

TOTAL ALL TIRES (ton) = 2,066 (Sum of Storage per Pad, S; Pads 1 through 6)

TIRE PROCESSOR CAPACITY, C (tons/hr) = 10 (Manufacturers Literature - Attached; 8-12 tons/hr reported range, assume 10 tons/hr)

WORK DAY, WD (hr/day) = 9 (Assumed Based On Permitted 7:00am to 5:00pm Operating Hours)

TIRE PROCESSOR CAPACITY = C*WD (tons/day) = 90

30 DAY TIRE PROCESSING CAPACITY = 30*C*WD =	2,700	> =	927	Rule 62-711.530(2)(a), F.A.C.; Whole Tire Storage Limit
60 DAY TIRE PROCESSING CAPACITY = 60*C*WD =	5,400	> =	2,066	Rule 62-711.530(2)(a), F.A.C.; Whole and Processed Tire Storage Limit

Notes:

- Volume, V = (H/3) * (A1 + A2 + SQRT(A1 * A2)); Volume of Frustum of Pyramid Equation
- 1 cy = 27 cf
- References: Rubber Manufacturers Association, Scrap Tire Characteristics, Section 3 & Rule 62-701.200(93), F.A.C.: (10tire/cy)*(ton/100tire)*(2000lb/ton)=200lb/cy
- Reference: Rubber Manufacturers Association, Scrap Tire Characteristics, Section 3: Loosely Packed Tires 2" Shred = 850-950 lb/cy, Select 900 lb/cy
- Rim density is assumed solely to provide a rough estimate of rim quantity for stockpile management purposes.
Rim capacity within the stockpile area will be limited to that area regardless of the actual rim density and is not a regulatory constraint per Rule 62-711, F.A.C.

(78) "Oily wastes" has the meaning given that term in Rule 62-710.201, F.A.C.

(79) "100-year floodplain" means the lowland and relatively flat areas adjoining inland and coastal waters, including flood-prone areas of offshore islands that are inundated by the 100-year flood.

(80) "On-site" means on the same or geographically contiguous property, which may be divided by a public or private right-of-way. It does not include two or more parcels of land more than a mile apart that are connected only by a public or private right-of-way.

(81) "Open burning" means the burning of any material under such conditions that the products of combustion are emitted directly into the atmosphere.

(82) "Operator" means any person, including the owner, who is principally engaged in, and is in charge of, the actual operation, supervision, and maintenance of a solid waste management facility.

(83) "Person" means any and all persons, natural or artificial, including any individual, firm, or association; any municipal or private corporation organized or existing under the laws of Florida or any other state; any county of this state; and any governmental agency of this state or the Federal Government.

(84) "PGI" means PVC Geomembrane Institute.

(85) "Population" means the most recent population census determination under Section 186.901, F.S.

(86) "Potable water well" means any excavation that is drilled or bored, or converted from non-potable water use, when the intended use of such excavation is for the location and acquisition of ground water that supplies water for human consumption.

(87) "Processed tire" means a tire that has been treated mechanically, chemically, or thermally so that the resulting material is a marketable product or is suitable for proper disposal.

(88) "Processing" means any technique designed to change the physical, chemical, or biological character or composition of any solid waste so as to render it safe for transport; amenable to recovery, storage or recycling; safe for disposal; or reduced in volume or concentration.

(89) "Professional engineer" means an engineer licensed in the State of Florida in accordance with Chapter 471, F.S.

(90) "Professional geologist" means a geologist licensed in the State of Florida in accordance with Chapter 492, F.S.

(91) "Putrescible waste" means solid waste that contains organic matter capable of being decomposed by microorganisms and of such a character and proportion as to be capable of attracting or providing food for birds. The term does not include uncontaminated yard trash or clean wood.

(92) "PVC" means polyvinyl chloride.

(93) "Quantity of tires" means either weight, volume, or actual number of tires. For purposes of Chapter 62-711, F.A.C., assume that, for passenger tires, there are 100 tires per ton and 10 tires per cubic yard and that, for truck tires, there are 20 tires per ton. X

(94) "Reasonable assurance" means the existence of a substantial likelihood, although not an absolute guarantee, that the proposed activity and applicant will comply with agency rules, laws, orders and permit conditions. It does not mean proof that a facility will not fail.

(95) "Recovered materials" means metal, paper, glass, plastic, textile, or rubber materials that have known recycling potential, can be feasibly recycled, and have been diverted and source separated or have been removed from the solid waste stream for sale, use, or reuse as raw materials, whether or not the materials require subsequent processing or separation from each other, but does not include materials destined for any use that constitutes disposal. Recovered materials as described above are not solid waste.

(96) "Recovered materials processing facility" means a facility engaged solely in the storage, processing, resale, or reuse of recovered materials. Such a facility is not a solid waste management facility if it meets the conditions of paragraph 62-701.220(2)(c), F.A.C.

(97) "Recovered screen material" means the fines fraction, consisting of soil and other small materials, derived from the processing or recycling of construction and demolition debris which passes through a final screen size no greater than $\frac{3}{4}$ of an inch.

(98) "Recyclable material" means those materials which are capable of being recycled and which would otherwise be processed or disposed of as solid waste.

(99) "Recycling" means any process by which solid waste, or materials which would otherwise become solid waste, are collected, separated, or processed and reused or returned to use in the form of raw materials or products.

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Scrap Tire Characteristics

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SCRAP TIRES

[Scrap Tires and the Environment](#)[Scrap Tire Markets](#)

- [Facts & Figures](#)
- [Scrap Tire Characteristics](#)

[Conferences and Events](#)[State Issues](#)[US-Mexico Border Issues](#)

1. Typical Materials Composition of a Tire
2. Typical Composition by Weight
3. Densities of Shredded and Whole Tires
4. Rubber weight by tire component.
5. Steel Tire Cord Analysis

1. Typical Materials Composition of a Tire

This table lists the typical types of materials used to manufacture tires.

Typical Composition of a Tire

Synthetic Rubber
Natural Rubber
Sulfur and sulfur compounds
Silica
Phenolic resin
Oil: aromatic, naphthenic, paraffinic
Fabric: Polyester, Nylon, Etc.
Petroleum waxes
Pigments: zinc oxide, titanium dioxide, etc.
Carbon black
Fatty acids
Inert materials
Steel Wire

2. Typical Composition by Weight

This lists the major classes of materials used to manufacture tires by the percentage of the total weight of the finished tire that each material class represents.

Passenger Tire

[SITE MAP](#) | [CONTACT US](#)

© 2011 Rubber Manufacturers Association

Natural rubber	14 %
Synthetic rubber	27%
Carbon black	28%
Steel	14 - 15%
Fabric, fillers, accelerators, antiozonants, etc.	16 - 17%
Average weight:	New 25 lbs, Scrap 22.5 lbs.

Truck Tire

Natural rubber	27 %
Synthetic rubber	14%
Carbon black	28%
Steel	14 - 15%
Fabric, fillers, accelerators, antiozonants, etc.	16 - 17%
Average weight:	New 120 lbs., Scrap 110 lbs.

3. Densities of Shredded and Whole Tires

APPROXIMATE DENSITIES		
LOOSELY PACKED		DENSELY PACKED
550-600 lbs/yd3	single pass	1220-1,300 lbs/yd3
850-950 lbs/yd3	2" shred	1,350-1,450 lbs/yd3
1,000-1,100 lbs/yd3	1 1/2" shred	1,500-1,600 lbs/yd3
100/10Yd3	WHOLE TIRES (PASSENGER/LIGHT TRUCK)	500/10Yd3
	10 MESH- 29 lbs/ft3	
	20 MESH- 28 lbs/ft3	
	30 MESH- 28 lbs/ft3	
	40 MESH- 27 lbs/ft3	
	80 MESH- 25-26 lbs/ft3	

4. Rubber weight by tire component.

A tire is manufactured from several separate components, such as tread, innerliner, beads, belts, etc. This table shows which components account for the rubber used to make the tire.

RUBBER PERCENT BY WEIGHT IN A NEW RADIAL PASSENGER TIRE

TREAD	32.6%
BASE	1.7%
SIDEWALL	21.9%
BEAD APEX	5.0%
BEAD INSULATION	1.2%
FABRIC INSULATION	11.8%
INSULATION OF STEEL CORD	9.5%
INNERLINER	12.4%
UNDERCUSHION	3.9%
	100.0%

5. Steel Tire Cord Analysis

The tire industry uses ASTM 1070 and above tire cord quality wire rod in the manufacture of new tires. There are approximately 2.5 pounds of steel belts and bead wire in a passenger car tire.

* Whole Tires Loosely Packed, WTLP

WTLP = $\frac{100 \text{ Tires}}{10 \text{ CY}} \left(\frac{F_{on}}{100 \text{ Tires}} \right) \left(\frac{2000 \text{ lb}}{F_{on}} \right) = \frac{2000 \text{ lb}}{\text{CY}}$

** Loosley Packed @ 3" +/- Shred
Assume 900 lb/cy

ATTACHMENT 10
EMERGENCY PREPAREDNESS MANUAL
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
WASTE TIRE PROCESSING FACILITY
(Revision 01; February 2011)

EMERGENCY PREPAREDNESS MANUAL
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY

WASTE TIRE PROCESSING FACILITY
PASCO COUNTY, FLORIDA

Prepared for:

ANGELO'S AGGREGATE MATERIALS, LTD
(D/B/A ANGELO'S RECYCLED MATERIALS)
41111 Enterprise Road
Dade City, FL 33525

Submitted to:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE DIVISION
13051 North Telecom Parkway
Temple Terrace, FL 33637

Prepared by:

JOHN ARNOLD, P.E.
34924 Williams Cemetery Rd
Dade City, FL 33252

November 2010

Introduction

The Waste Tire Processing Facility (WTPF) is a component of the Enterprise Class III Landfill and Recycling Facility, which is authorized by the Florida Department of Environmental Protection (Department) to operate in accordance with Permit No. 177982-007-SO/T3. The facility is located at 41111 Enterprise Road, Dade City, Florida 33525 (please refer to Figure 1. Site Location).



Figure 1. Site Location

1. Purpose and Scope

This purpose of this Emergency Preparedness Manual (EPM) is to provide information and guidance in the event of an emergency (fire or natural disaster) at the WTPF. A final copy of this manual will be provided to the Pasco County Fire Department.

2. Site Description and Layout

A drawing of the site showing roads, setbacks, water and soil supplies, and other information is provided on the drawing in Attachment A. The WTPF is approximately 510-ft by 560-ft and is located along the northwest portion of the Enterprise Class III Landfill and Recycling Facility (complex). The complex is secured by a six-foot chain link fence (along Enterprise and Singletary Roads), field fence, and one security gate. The security gate is locked during all non-operating hours.

Each of the five whole waste tire storage piles is approximately 150' long and 50' wide, or 7,500 square feet. Waste tire storage piles will not exceed a height of 15'. The processed tire storage pile is 200' long and 50' wide and will not exceed a height of 12'. Each waste tire storage pile is surrounded by a 50-foot wide fire lane. The site naturally slopes northeast towards an earthen berm with a 40' wide gap. In the event of a fire, the gap will be filled so as to contain fire contact water.

The complex is free from natural water bodies. However, the temporary stormwater pond at the northeast side of the complex may contain (pond) water seasonally.

On-site sources for soil (dirt) and water for fire suppression are shown on the Drawing in Attachment A. The capacities of the water supply is provided in Attachment B.

The facility is open to the public Monday through Saturday, from 7am to 5pm. Vehicles entering the facility with waste tires must first proceed to the scale house where weights are recorded and records are maintained. Directions to the WTPF are posted at the scale house. Hours of operation and fee schedules are posted at the entrance to the complex and are subject to change. The Department will be notified prior to initiating any change to the facility operating hours.

3. Emergency Preparedness

As required by the Department, the Pasco County Fire Department will inspect the facility on an annual basis. Copies of this manual will be maintained at the scale house and off-site at the home of the Engineer, John Arnold, P.E., 34924 Williams Cemetery Road, Dade City, FL 33525. The local fire department and the Sheriff's Office will each receive a copy of this plan and their solicited comments will be used to update this plan on a regular basis.

Agencies notified:

Local Police Department:	Pasco County Sheriff's Office 37312 Howard Avenue, Dade City, FL 33525 Tel. (352) 521-5131
Local Fire Department:	Fire Station 24 and Battalion Chief 4 Office 14317 4th Street, Dade City, FL 33523 Tel. (352)521-4274
Local Hospital:	Pasco Regional Medical Center 13100 Fort King Road, Dade City, FL 33525 Tel. (352) 521-1100
Environmental:	Florida Department of Environmental Protection 13051 North Telecom Parkway Temple Terrace, FL 33637-0926 Tel. (813) 632-7600

4. Emergency Equipment

The following equipment is on-site and is available to respond to emergency conditions:

- 2 Compactors (CAT 826)
- 2 Loaders (John Deere 844, CAT950)
- 2 Dozers (CAT D8, CAT D5)
- 4 Excavators (Komatsu PC1100, John Deere 450, John Deere 450, Komatsu PC300)

- 2 Articulated Off-Road Trucks (Volvo)
- 1 Tractor (Steiger)
- 1 Water Truck

5. Emergency Response Team and Contact Information

John Arnold, P.E., Engineer	(813) 477 - 1719	Cell
Emergency Response Coord. (primary)	(352) 339 - 1408	Home
	(352) 521 - 3607	Office (on-site)
Alfredo (Freddy) Martinez, Site Manager	(352) 302 - 8934	Cell
Emergency Response Coord. (secondary)	(352) 567 - 7676	Scale House (on-site)
	(352) 302 - 8934	Home
Scale House Attendants (On-Site)	(352) 567 - 7676	Scale House (on-site)
	(352) 567 - 9448	Fax (on-site)
On-Site Resident Operator	(352) 458 - 9584	Home

The Emergency Response Coordinator is responsible to ascertain the severity and magnitude of the emergency, contact the fire department, assign tasks to individual workers, implement contingency operations, oversee clean-up, and if necessary, evacuation of the premises. These duties fall to the secondary individual listed in the event the primary individual is not on-site.

In an emergency situation where local authorities are called in, the senior officer of the responding agency (Pasco County Fire Department) will assume command of the operations. Until the arrival of the fire department and local response agencies, on-site personnel, under the direction of the designated Emergency Response Coordinator, will be in charge of the emergency response operations. Site equipment and supplies will be made available to the responding local authorities.

6. Emergency Prevention

Operations at the WTPF will be conducted in a manner that maximizes the safety of the staff, the safety of customers, and the safety of the environment. The site will be posted with "No Open Flame" signs and no smoking is permitted within the complex. Customers bringing waste tires will be instructed at the scale house of safety rules, protocol, and how and where to unload their vehicles. Fire prevention measures include the following elements:

- Site access control: The site is fenced and the access gate is locked at all times during non-operating hours.
- On-site monitoring: An employee resides at the site and is available to report emergency conditions, vandalism, or other events during non-business hours.
- Emergency vehicle access routes: The WTPF is surrounded by a 50' wide fire access lane.
- Waste tire storage piles: Each of the five whole waste tire storage piles are limited to a height of 15' above grade and are 150-ft long by 50-ft wide. The discrete piles (separated by 50-ft) allow for access by emergency response vehicles and provide fire breaks. The

processed tire stockpile is 200' long by 50' wide and will not exceed a height of 12' above grade.

- Water and soil supplies: Water and soil are available on-site to suppress a fire in case of a fire incident.
- Fire extinguishers: All vehicles operating at the tire storage area will be equipped with a fire extinguisher.
- Site inspections: Site inspections will be conducted by the Pasco County Fire Department on an annual basis.

7. Emergency Response

Small Fires - Waste Tire Processing Area

In the event of a small fire the Emergency Response Coordinator will be in charge of coordinating the on-site response, including the following:

- The gap in the earthen embankment at the WTPF will be blocked with dirt from the adjacent soil stockpile to contain fire-contact water.
- Remove vehicles from the area.
- Separate unburned tires to isolate the small fire.
- The on-site water truck will be used to deluge the fire. Soil will also be placed on the fire to extinguish the flames.
- Clean up site. Residue from the extinguished fire, including soil, will be removed for disposal at a Class I landfill.
- The Pasco County Fire Department will be notified in the event the small fire can not be managed with on-site personnel.

Large Fires – Waste Tire Processing Area

The Pasco County Fire Department and local agencies will be contacted immediately in the event of a large fire. The Emergency Response Coordinator will coordinate activities until the arrival of the fire department:

- The gap in the earthen embankment at the WTPF will be blocked with dirt from the adjacent soil stockpile to contain fire-contact water.
- Remove vehicles from the area.
- Begin containment measures (swales and berms) to minimize spreading of the fire and to contain residue from the burning tires. Separate unburned tires using on-site equipment.
- Utilize the on-site water truck and other sources of water to contain the fire until the Fire Department arrives.
- Place soil on tires to extinguish flames.
- Provide support per the direction of the fire department.
- Clean-up site. Residue from the extinguished fire, including soil, will be removed for disposal at a Class I landfill.

Natural Disasters

In the event of a flood, hurricane, or other natural disaster, the following operations will be performed:

- Secure equipment
- Fill gasoline powered equipment to full capacity

- Stop WTPF operations (accepting whole tires, processing stockpiled tires, and disposing of processed tires) and remove equipment in advance of the natural disaster, in the event advance notice can be projected by the Emergency Management System, or State of Florida.
- Stockpiles of all materials (whole tires, processed tires, and rims) are to remain as-is within the WTP facility. Following the natural disaster, the Emergency Response Coordinator, will inspect the site and document conditions and determine if any actions are necessary to bring the facility into compliance with all permit conditions. Materials that have been displaced from their respective stockpiles shall be returned. In the event residue is created by the natural disaster, the residue will be considered a Class I debris and managed in accordance with this EPM.

8. Evacuation

In case of emergency and the on-site Emergency Response Coordinator and/or the Pasco County Fire Department determines evacuation of the site is warranted, the order will be given with instructions to vacate the site. Upon evacuation, all non-responsive personnel will be kept a safe distance from the site and traffic on roads leading into the complex will be rerouted as necessary.

9. Notification

In the event of a fire, all personnel at the site will be notified. Should the Emergency Response Coordinator determine that outside assistance is needed or notification of local emergency response authorities is warranted, the following actions will occur:

- Dial "9-1-1" to notify local emergency response agencies
- Call local hospital (if necessary)
- Call Sheriff's Office

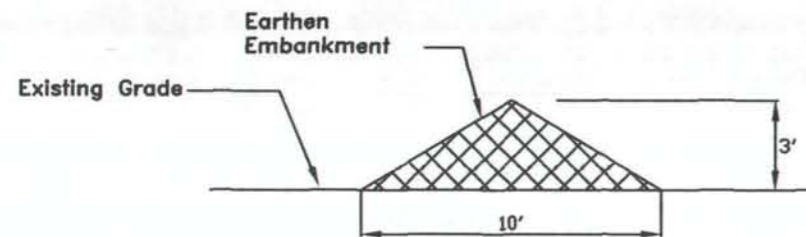
In accordance with Waste Tire Rule 62-711.540(1)(f), the operator of the site will notify the Florida Department of Environmental Protection in the event of a fire or other emergency, which poses an unanticipated threat to the public health or environment. Any such notice will be provided in writing within two (2) weeks of the emergency event and will include the following:

- Time, date, and nature of the emergency condition.
- Actions taken to respond to and contain the run-off and/or release resulting from the fire, including documentation that clean-up residue and other Class I debris was disposed of at a permitted Class I facility.
- An assessment of actual or potential hazards to human health and the environment where this is applicable. This should include any known or anticipated acute or chronic health risks associated with the run-off and/or release resulting from the fire.
- Advise regarding medical attention necessary for exposed individuals.
- Estimated quantity and disposition of recovered materials that resulted from the incident (contaminated soils).
- A critique of the emergency response plan and how it was implemented.

A fire safety survey will be conducted at least annually and the survey report will be made part of the next quarterly report, in accordance with Rule 62-711.540(d), F.A.C. The correction of

deficiencies noted on the annual fire safety survey (survey) will be completed within 14 days of receiving the survey. In the event a corrective action is identified that may take longer than 14 days to correct, written notification will be provided to the Department, within 7 days of receiving the survey, proposing a corrective-action plan. The corrective-action plan would include, at a minimum, a description of the deficiency, proposed corrective action, schedule, and notification to the Department that corrective action is complete.

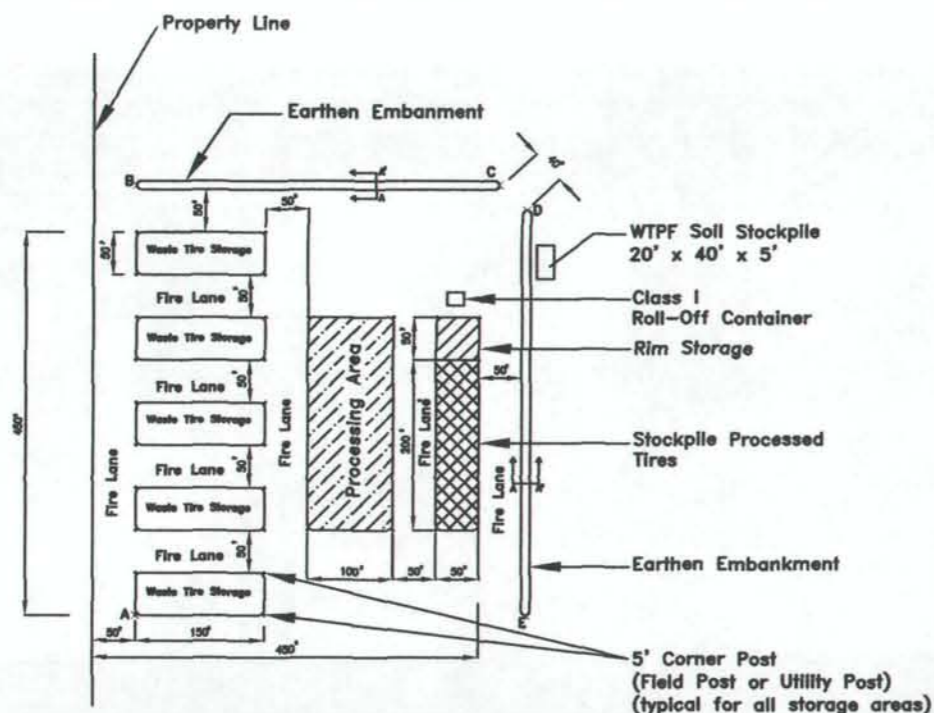
ATTACHMENT A
SITE PLAN DRAWING



Section A-A
not to scale

Note: Mulch exterior surface of earthen embankment to provide erosion protection

Coordinate Layout Table		
Name	N	E
A	1000+00	1000+00
B	1505+00	1000+00
C	1505+00	1423+05
D	1475+81	1463+71
E	1000+00	1455+00



1 Waste Tire Processing Facility Site Plan

Access Road

1 Waste Tire Processing Facility Site Plan

Groves



Notes:
1. Topographic Contour lines show at the waste processing facility represent information from the USGS Dade City, Florida Quadrangle, photo, revised 1988.
2. Aerial photograph from Google Earth Maps, Imagery Date: Dec. 2010.

Enterprise Class III Facility Site Plan

SCALE - 1" = 200' (for D size sheet)



Job No.	01.508
Drawn By	NDR
Date	10/15/10
Scale	as noted
Plot Date	2.8.11
Plot Scale	
Plot Date	2.8.11
Plot Scale	

ANGELO'S RECYCLED MATERIALS
41111 Enterprise Rd
Dade City, FL 33525
Email: John.Phillip.Arnold@gmail.com
Phone (352) 567-7676 Fax (352) 567-9448

Owner: ANGELOS RECYCLED MATERIALS
Project Name: Dade City Tire Processing
Address: 41111 Enterprise Rd.
(352) 567-7676

C-1

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
FEB 11 2011
SOUTHWEST DISTRICT
TAMPA

Dade City, FL 33525

ATTACHMENT B
WATER SUPPLY AND SOIL LOCATION

WATER AND SOIL SUPPLY LOCATIONS

Pump 1

Capacity	75 gpm
Well Size	5-inch Diameter
Pump Curve	(see attachment)

Truck Fill

Capacity	75 gpm
----------	--------

On-Site Water Truck

Capacity	5,000 gallons
Fire Hose	45 gpm

Soils

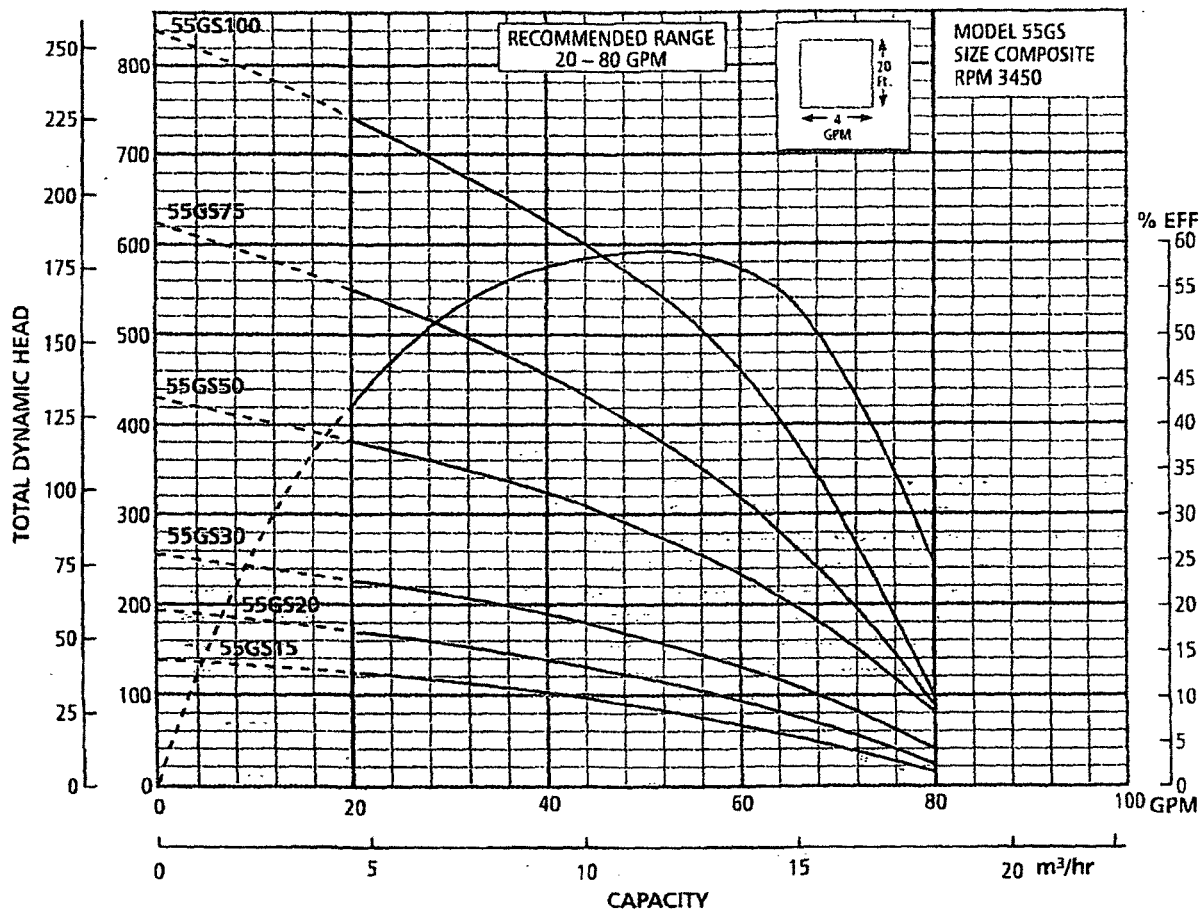
Various stockpiles between Class III Landfill and Tire Processing Area and the "Active Borrow Pit" are shown on the drawing.

Model 55GS

DETAIL

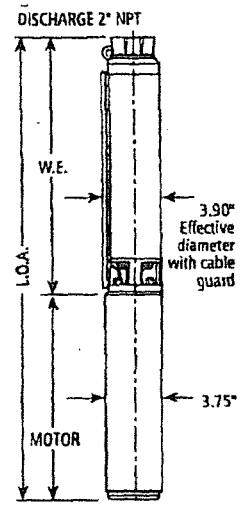
 GOULDS PUMPS

METERS FEET



DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	Motor Length	W.E.Ø Length	L.O.A.②	W.E. and Motor Weight
1½	5	55GS15	S07940	1	230	13.6	17.1	30.7	37
			S07978		200				
			S07970	3	230	11.8	17.1	28.9	32
			S07975		460				
			S07979		575				
2	7	55GS20	S08940	1	230	15.1	21.2	36.3	40
			S08978		200				
			S08970	3	230	13.6	21.2	34.8	38
			S08975		460				
			S08979		575				
3	9	55GS30	S09940	1	230	19.1	25.3	44.4	55
			S09978		200				
			S09970	3	230	16.1	25.3	41.4	49
			S09975		460				
			S09979		575				
5	15	55GS50	S10940	1	230	28.2	39.0	67.2	86
			S10978		200				
			S10970	3	230	22.2	39.0	61.2	70
			S10975		460				
			S10979		575				
7½	22	55GS75	S119784		200				
			S119704	3	230	28.2	53.0	81.2	90
			S119754		460				
			S119794		575				
10	29	55GS100	S129724	3	460	30.4	67.8	98.2	103
			S129794		575				



NOTES:

For complete pump, order water end and motor.

① W.E. = water end or pump without motor.

② L.O.A. = length of assembly - complete pump - water end and motor.

ATTACHMENT 11
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
WASTE TIRE PROCESSING FACILITY
CLOSURE COST ESTIMATE
(Revision 01; February 2011)

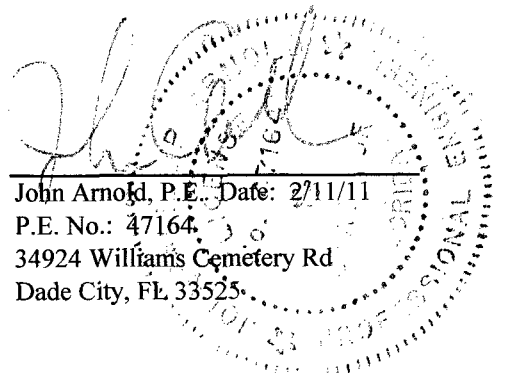
**ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
WASTE TIRE PROCESSING FACILITY
CLOSURE COST ESTIMATE**

Description	Pad 1 Whole Tire	Pad 2 Whole Tire	Pad 3 Whole Tire	Pad 4 Whole Tire	Pad 5 Whole Tire	Pad 6 Processed Tire
BASE LENGTH, L1 (ft)	150	150	150	150	150	200
BASE WIDTH, W1 (ft)	50	50	50	50	50	50
BASE AREA, A1 (sf)	7,500	7,500	7,500	7,500	7,500	10,000
SLOPE (h:v)	1.5	: 1 (ALL PILES)				
HEIGHT, H (ft)	15	15	15	15	15	12
TOP LENGTH, L2 (ft)	105	105	105	105	105	164
TOP WIDTH, W2 (ft)	5	5	5	5	5	14
TOP AREA, A2 (sf)	525	525	525	525	525	2,296
VOLUME, V (cf)	50,047	50,047	50,047	50,047	50,047	68,351
VOLUME, V (cy)	1,854	1,854	1,854	1,854	1,854	2,532
WHOLE TIRES DENSITY (loose, lb/cy)	200	200	200	200	200	n/a
PROCESSED TIRE (loose, lb/cy)	n/a	n/a	n/a	n/a	n/a	900
TIRES PER PAD (lb)	370,715	370,715	370,715	370,715	370,715	2,278,355
TIRES PER PAD (ton)	185	185	185	185	185	1,139

TOTAL TIRES WHOLE (ton)	927
TOTAL TIRES PROCESSED (ton)	1,139
TOTAL ALL TIRES (ton)	2,066

CLOSURE ITEM	Quantity (tons)	Unit Price (\$/ton)	Total Cost
Whole and Processed Tires	2,066	\$ 60.00	\$ 123,958
Transportation	2,066	\$ 7.00	\$ 14,462
Rims	n/a	\$ -	\$ -
Residual(s)/Class I Removal	21	\$ 99.00	\$ 2,045
Site Clean Up and Restoration	\$ 3,750.00	LS	\$ 3,750
Total Cost			\$ 144,215

Assume Residuals are Class I materials represent 1% of the combined whole and processed tire storage, by weight.


 John Arnold, P.E. Date: 2/11/11
 P.E. No.: 47164
 34924 Williams Cemetery Rd
 Dade City, FL 33525

P.O. Box 1947
Dade City, FL 33528
Phone: 352-798-7411
Fax: 352-583-3945
fkraft@winning.com

Central Carting

Fax

To: John Arnold From: Frank Kraft
Fax: 352-567-9448 Pages: 2
Phone: 352-339-1408 Date: 2/1/11
Re: Class 1 Solid Waste - 3rd party ccs

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• Comments:

John, Attached please find a signed hardcopy.
I figured I would take care of immediately because once
I'm on the road, 10 more things will come up by the time
I get back in.

I'll email revision shortly.

Best regards!

Frank A. Kraft

January 28, 2011

Mr. John Arnold, P.E.
Angelo's Aggregate Materials, LTD
41111 Enterprise Road
Dade City, FL 33525

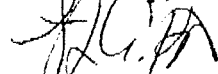
RE: Proposed Waste Tire Processing Facility
Enterprise Class III Landfill and Recycling Facility
Pasco County, Florida

Dear Mr. Arnold,

Central Carting of Pasco has provided several disposal boxes at your Enterprise Road facility since 2004 to serve your Class I waste disposal needs. We are pleased to provide an additional 8-cy covered box (or as many as you may require) at the new waste tire processing area to serve Class I disposal needs at that location. As always, we will provide regular pick up service so that you don't run out of disposal capacity. In the event you have a clean-up operation from a fire or other event, we will provide additional boxes to meet your disposal needs. We are happy to extend the terms of our existing service agreement to accommodate your new disposal needs (regular or emergency basis). We dispose of all Class I materials collected at your facility at the Pasco County Hancart Road Transfer Station.

As we discussed, if Angelo's was not able to clean-up the waste tire piles and storage areas, we would be able to provide clean-up, transportation, and disposal services. We would sort through and remove the Class I materials and residue from the stockpiles (whole tires, rims, and processed tires - assuming they are full stockpiles) for a fee of \$99/ton of Class I material removed.

Sincerely,



Frank A. Kraft
Central Carting of Pasco

February 9, 2011

Simpson Environmental
Wayne F. Reittinger
21310 HWY 98 N
Trilby, FL 33583

Mr. John Arnold
Angelo's Recycled Materials
41111 Enterprise Road
Dade City, FL 33525

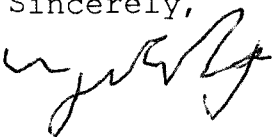
Dear Mr. Arnold:

Thank you for giving us the opportunity to bid on the waste tire demolition and restoration work. The work includes removal and disposal of the 30 to 40 corner posts at the stockpiles, filling the post holes, removal of the earth berms and soil stockpile, grassing, and site clean-up.

This bid assumes that if it is granted, the work will be completed within 30 days of notice to proceed. Our lump-sum price to perform this work is \$3,750.00

Again, thank you for giving us this opportunity. We look forward to hearing from you.

Sincerely,



Wayne F. Reittinger
Manager

SCRAP TIRE AGREEMENT

Global Tire Recycling
1201 Industrial Drive, Wildwood, FL 34785
352-330-2213 Fax 352-330-2214

Date: 11/11/10

Permit No: _____

Federal I.D. /SS#: _____

Drivers License No: _____

This Agreement is made between [name] Angelo's Recycled Materials
[address] 41111 Enterprise Rd [city] Dade City [zip] FL 33525
[phone] 352-339-1908 Hereinafter referred to as "The Customer" and
352-521-3745 Fax

Global Tire Recycling of Sumter County, Inc., hereinafter referred to as "GTR". GTR agrees to accept waste tires from the customer at its Wildwood facility as follows:

Clean passenger tires and truck tires will be accepted at GTR scales.

GTR will not accept off road, airplane or agricultural tires, sidewalls, tire casings without tread, excessive dirt or debris, and/or non-tire items such as garbage, trash or scrap metal. **GTR has sole right of refusal for any nonconforming material, and such removal of nonconforming material will be at Customer's expense.** GTR scale ticket shall determine total cost at exit of the Customer's vehicle; i.e.; gross weight minus tare weight equals net billing weight.

Angelo's Recycled Mtl. Agrees to provide Global Tire Recycling with scrap tires, at the tipping fee of \$ 60.00 per ton of acceptable material (waste tires) delivered.

Signed this 11 day of Nov. 2010 by

[Signature]
(Signature)

Jodi Jones
Accepted: Global Tire Recycling

John Arnold
(Please Print Name)

Admin. Assist
Title

Title

November 15, 2010

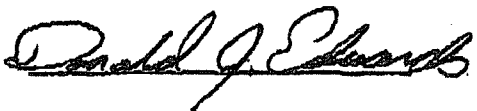
**Mr. John Arnold, P.E.
Angelo's Recycled Materials
41111 Enterprise Road
Dade City, Fl 33525**

RE: Waste and Processed Tire Removal

Dear Mr. Arnold:

Based on our discussion, we are able to provide services to remove whole waste tires, processed tires, and any other tire residual from your Enterprise Class III landfill site and transport them to Global Tire Recycling, located at 1201 Industrial Drive, Wildwood, Fl 34785-5202 for \$7.00 per ton. We would remove metal rims for the scrap value to us at no charge to Angelo's Recycled Materials.

Sincerely,



**Donald J Edwards
R & D Hauling of Land O Lakes, LLC
Mob. 813-917-2913
Tel. 813-996-3315
Fax. 813-995-9163**

ATTACHMENT 12

Figure 2-2, Zoning and Land Use 1-Mile Radius

Figure 2-2, Current Use of Site and Surrounding Properties

Figure 2-3, Zoning Designations of Site and Surrounding Properties

(Revision 01; February 2011)

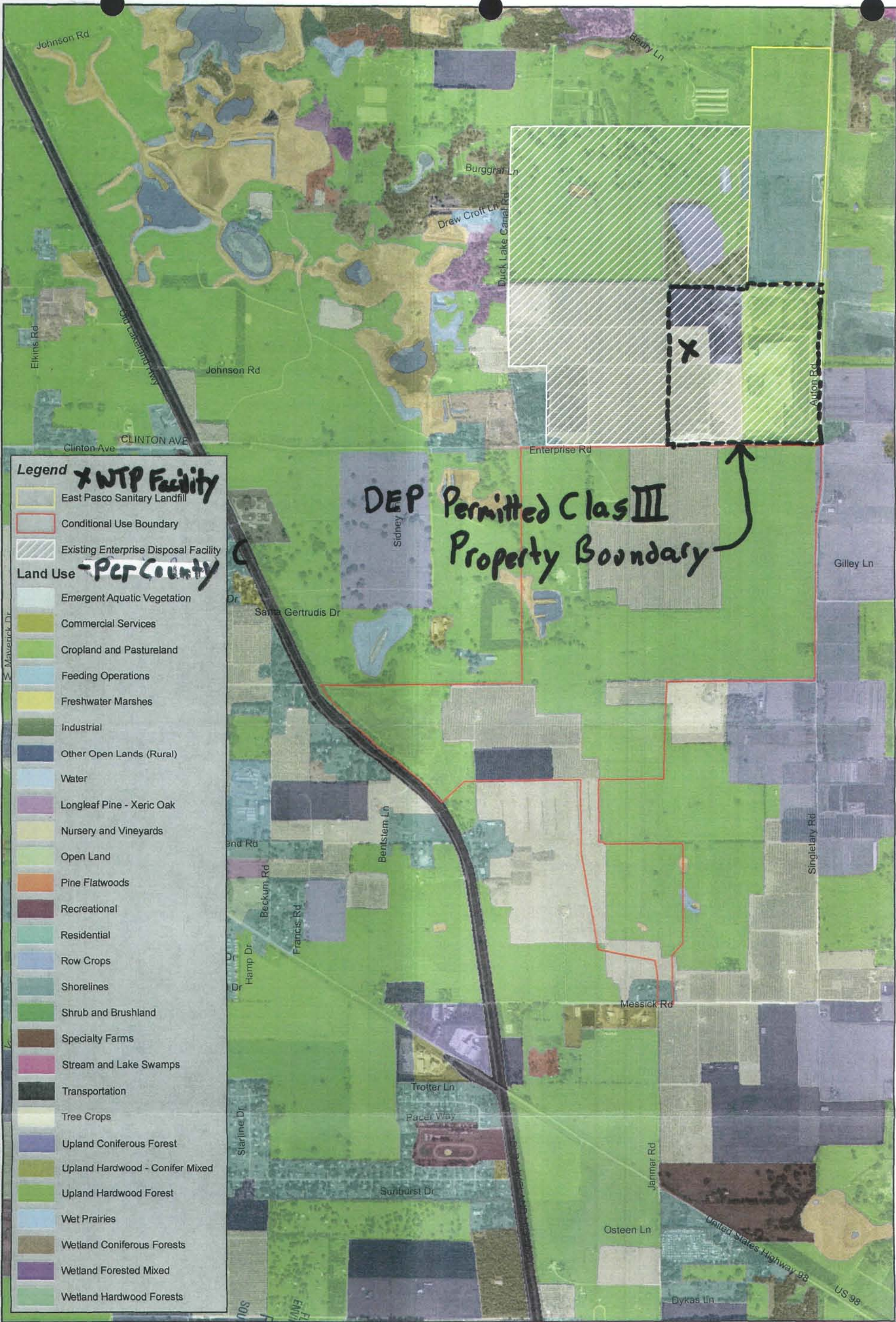


Figure 2-2
Current Use of Site
and Surrounding Properties

Proposed Class I Landfill
ANGELO'S RECYCLED MATERIALS

0 750 1,500
Feet
1:18,000

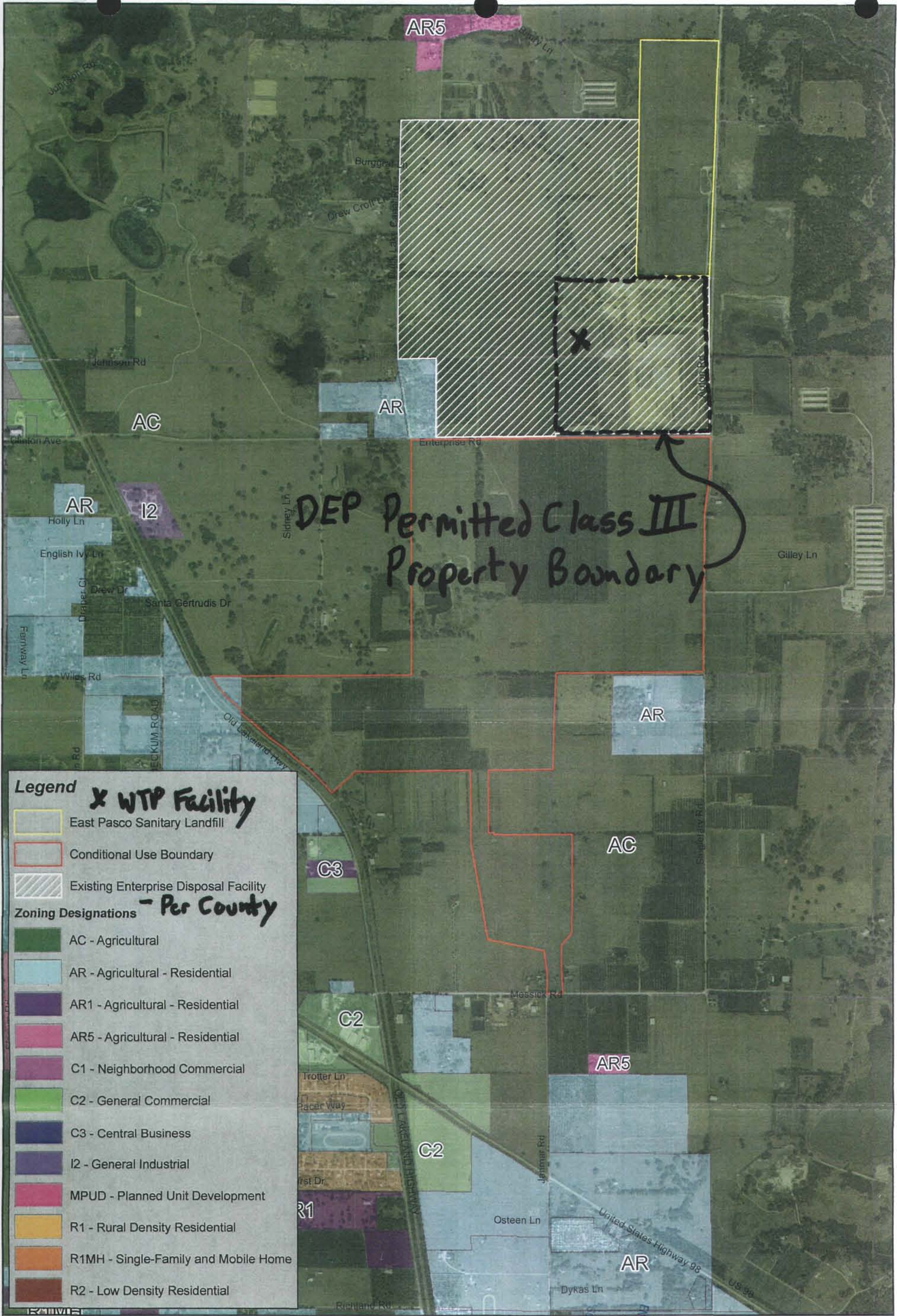


Zoning Source: Pasco County
Date: December 2006
Imagery Source: SWFWMD
Date: March 2006

Rev. 01; Feb 2011

JONES EDMUNDS
ENGINEERS | ARCHITECTS | SCIENTISTS

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT
TAMPA
FEB 11 2008



Legend

X WTP Facility

East Pasco Sanitary Landfill

Conditional Use Boundary

Existing Enterprise Disposal Facility

Zoning Designations - Per County

- AC - Agricultural
- AR - Agricultural - Residential
- AR1 - Agricultural - Residential
- AR5 - Agricultural - Residential
- C1 - Neighborhood Commercial
- C2 - General Commercial
- C3 - Central Business
- I2 - General Industrial
- MPUD - Planned Unit Development
- R1 - Rural Density Residential
- R1MH - Single-Family and Mobile Home
- R2 - Low Density Residential



Figure 2-3
Zoning Designations of Site and Surrounding Properties
Proposed Class I Landfill
ANGELO'S RECYCLED MATERIALS

0 750 1,500
Feet
1:18,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FEB 11 2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FEB 11 2011

Zoning Source: Pasco County
Date: December 2006
Imagery Source: SWFWMD
Date: March 2006

Rev. 01; Feb 2011