

**Sarasota County Central County  
Solid Waste Disposal Complex  
Renewal Application For The  
Waste Tire Processing Facility**



**SCS ENGINEERS**

**D.E.P.**

**MAR 01 2002**

**Southwest District Tampa**

**Prepared for:**

Sarasota County Environmental Services  
Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, Florida 34275

**Prepared by:**

SCS Engineers  
3012 U.S. Highway 301 N., Suite 700  
Tampa, Florida 33619  
(813) 621-0080

File No. 09201010.04  
February 28, 2002

INCLUDES REPLACEMENT PAGES  
RECEIVED ON JUNE 24, 2002

**SARASOTA COUNTY CENTRAL COUNTY  
SOLID WASTE DISPOSAL COMPLEX  
RENEWAL APPLICATION FOR THE  
WASTE TIRE PROCESSING FACILITY**

**Prepared for:**

Sarasota County  
4000 Knights Trail Road  
Nokomis, Florida 34275  
(941) 486-2600

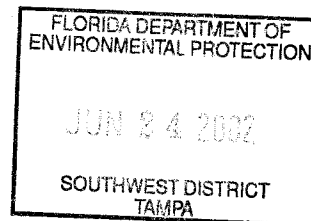
**Prepared by:**

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# Department of Environmental Protection

DEP Form # 62-701.900(23)
Waste Tire Processing Facility
Form Title <u>Permit Application</u>
Effective Date <u>3/22/00</u>
DEP Application No. _____ (Filled in by DEP)

## Waste Tire Processing Facility Permit Application

Permit No. WT58-301584

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

### Part I-General Information:

#### A. Applicant Information:

- Applicant Name: Sarasota County Environmental Services Solid Waste Operations
- Applicant Street Address: 4000 Knights Trail Road
- City: Nokomis County: Sarasota Zip: 34275
- Applicant Mailing Address: Same as above
- City: \_\_\_\_\_ County: \_\_\_\_\_ Zip: \_\_\_\_\_
- Contact person: Gary Bennett Phone: (941) 486-2600 FEID No: \_\_\_\_\_
- Have any enforcement actions been taken by the Department against the applicant relating to the operation of any solid waste management facility in this state? This includes any Complaint, Notice of Violation, or revocation of a permit or registration, as well as any Consent Order in which a violation of Department rules is admitted. It does not include a Warning Letter, Warning Notice, Notice of Noncompliance, or other similar document which does not constitute agency action.  
Yes \_\_\_\_\_ No ☒ If yes, attach a history and description of the enforcement actions.

#### B. Facility Information:

- Facility Name: Central County Solid Waste Disposal Complex (CCSWDC)
- Facility Street Address (Main Entrance): 4000 Knights Trail Road
- City: Nokomis County: Sarasota Zip: 34275
- Facility Mailing Address: 4000 Knights Trail Road
- City: Nokomis State: FL Zip: 34275
- Contact Person: Gary Bennett Phone: (941) 486-2600
- Facility Location Coordinates:  
Section: 1-4 + 9-16 Township: 38S Range: 19E  
Latitude: 27°12'00" N 11°58" W Longitude: 82°23'00" W 02"
- Anticipated date for starting construction N/A and for completion of construction N/A
- Anticipated date for receipt of tires N/A and for start of processing N/A

Mail completed form to  
appropriate district office listed below

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

Northeast District  
7825 Baymeadows Way, Ste. 200 B  
Jacksonville, FL 32256-7590  
904-448-4300

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

Southwest District  
3804 Coconut Palm Dr.  
Tampa, FL 33619  
813-744-6100

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33902-2549  
941-332-6975

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

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**C. Land Owner Information** (if different from applicant): N/A

- Owner's name: \_\_\_\_\_
- Land owner's mailing address: \_\_\_\_\_
- City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
- Authorized Agent: \_\_\_\_\_ Agent's phone ( ) \_\_\_\_\_
- Current lease expires: \_\_\_\_\_

**D. Facility Operator Information** (if different from applicant): N/A

- Operator's name: \_\_\_\_\_
- Operator's mailing address: \_\_\_\_\_
- City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_
- Contact person: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

**E. Preparer of Application:**

- Name of person preparing application: John A. Banks, P.E. - SCS Engineers
- Mailing address: 3012 U.S. Highway 301 North, Suite 700
- City: Tampa State: FL Zip: 33619
- Phone: (813) 621-0080
- Affiliation with facility: Consultant

**Part II-Operations:**

**A. Facility type (check appropriate box):**

- ☐ Waste tire processing facility.
- ☒ Waste tire processing facility with on-site disposal of processed tires or processing residuals.  
See Attachment \_\_\_\_\_
- ☐ 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>650</u>	<u>18,000</u>	<u>N/A</u>	<u>N/A</u>	<u>650</u>
Processed tires:	_____	_____	_____	_____	_____
Processing residuals:	_____	_____	_____	_____	_____
TOTALS:	<u>650</u>	<u>18,000</u>	<u>N/A</u>	<u>N/A</u>	<u>650</u>

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

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

1. Name of facility \_\_\_\_\_

2. Street address: \_\_\_\_\_

3. City: \_\_\_\_\_ County: \_\_\_\_\_ Zip: \_\_\_\_\_

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

### Part III-Attachments:

#### A. Facility design

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

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

#### B. Facility operation.

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

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

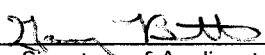
DEP Form # 62-701.900(23)
Waste Tire Processing Facility
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Effective Date <u>3/22/00</u>
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- D. Attach proof of financial responsibility as requirement by Rule 62-711.500(3) OR a calculation showing that financial assurance documents, currently on file with the Department, are sufficient to assure closing of the waste tire site as well as any other solid waste management facility at that location.
- E. A letter from the land owner (if different from applicant) authorizing use of the land as a waste tire processing facility.
- F. If waste tires will be consumed at the facility, attach a description of the other environmental permits that the applicant has for this use, including, permit number, date of issue, and name of issuing agency
- G. The permit fee as required in Rule 62-4, F.A.C.

**Part IV-Certification:**

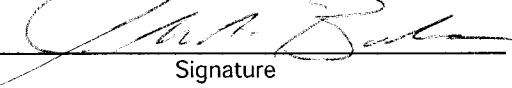
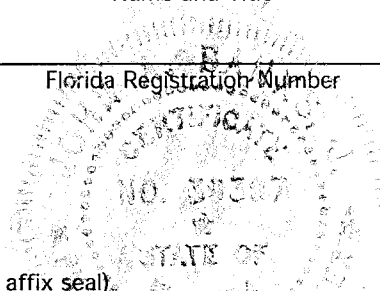
**A. Applicant:**

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

<u></u>	Gary Bennett, Operations Manager	<u>3-1-02</u>
Signature of Applicant or Authorized Agent	Name and Title	Date

**B. Professional Engineer registered in Florida.**

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

<u></u>	SCS Engineers
Signature	Mailing Address
John A. Banks, P.E.	3012 U.S. Highway 301 North, Suite 700, Tampa, FL 33619
Name and Title	City, State, Zip
39397	(813) 621-0080
Florida Registration Number	Telephone number
	<u>2-28-02</u>
(please affix seal)	Date

**ATTACHMENT A**

**WASTE TIRE PROCESSING FACILITY DESIGN**

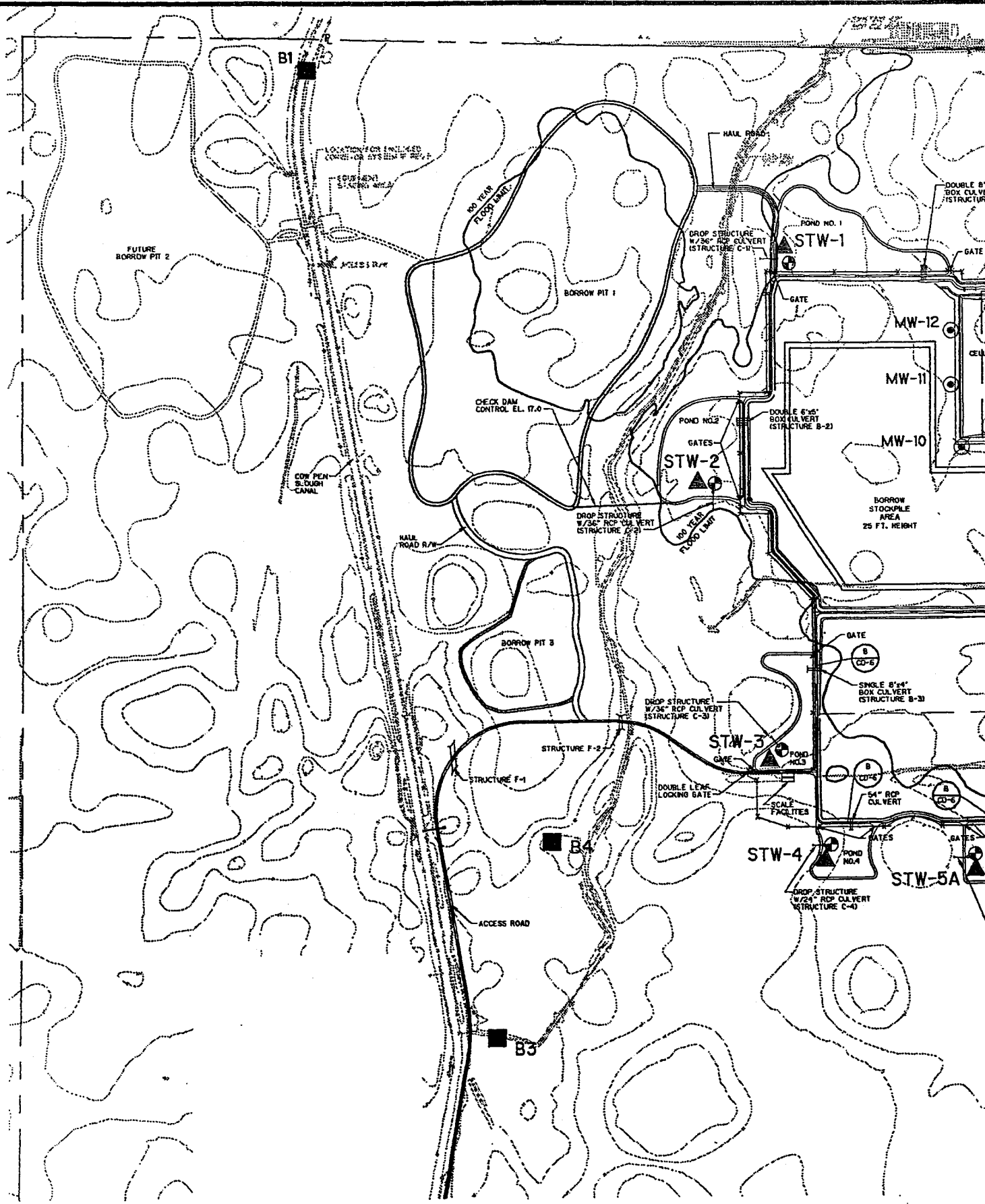


## **ATTACHMENT A**

### **WASTE TIRE PROCESSING FACILITY DESIGN**

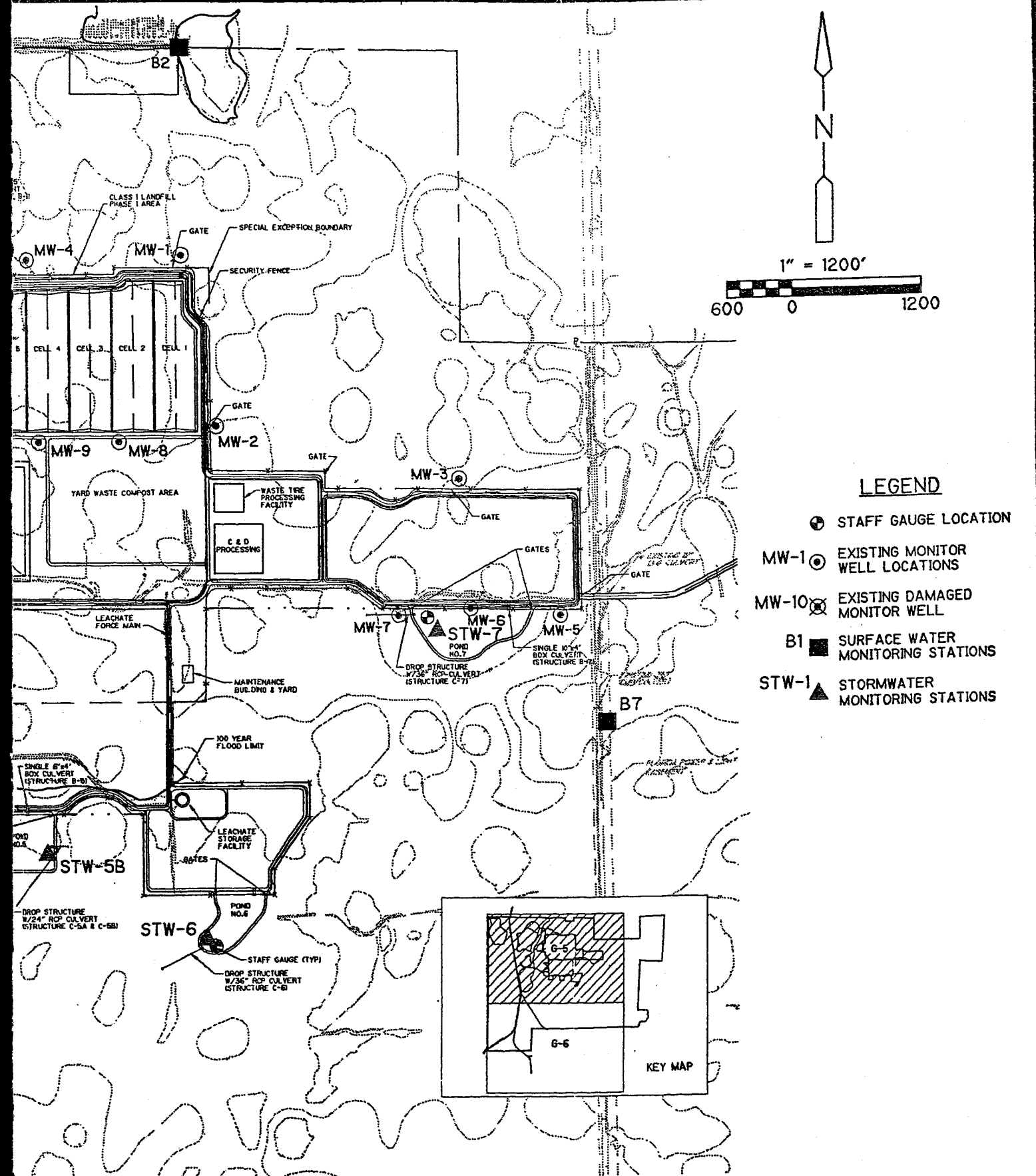
Attachment A has been reproduced from the 1997 Operation Permit Application for convenience. Drawing G-5, Site Plan North, illustrating an overall plan of the Central County Solid Waste Disposal Complex (CCSWDC) incorporating the waste tire processing facility and the associated solid waste landfill, is included in this attachment. Drawings LFC-35 and LFC-61A delineating plan and section, respectively, of the Waste Tire Processing Facility are also included in this attachment to facilitate easy reference for this document.

D:\9250\141530\75PALDEP\66-11X17 12/20/96 08:50:00 SDA



**CDM**  
Camp Dresser & McKee  
environmental  
services

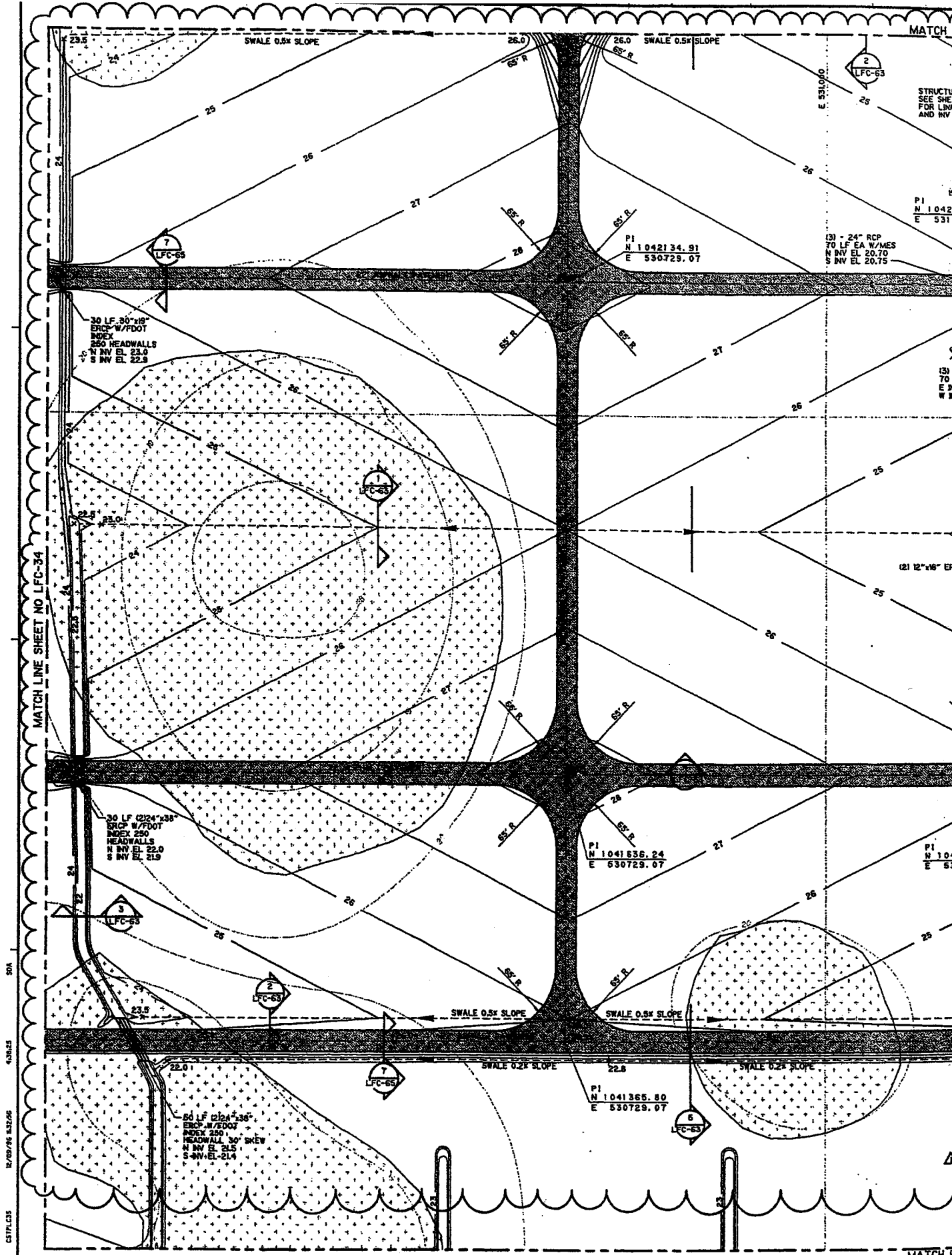
NOTE:  
THIS MODIFIED  
ON CONFORM  
LANDFILL SI  
PLANS, SHEET



SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
**SITE PLAN  
NORTH**

Figure No. G-5

THIS DRAWING IS BASED  
ON A SURVEY DATED  
NOVEMBER 1995  
FOR PRELIMINARY  
WORK CONSTRUCTION  
PROJECT NO. G-5.



DATE: 11/05/95  
 DRAWN: JMS  
 CHKD: JMS

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	11/95	SDA		CHANGE ORDER NO.2
2	11/95	JMS		CONFORMED DRAWING

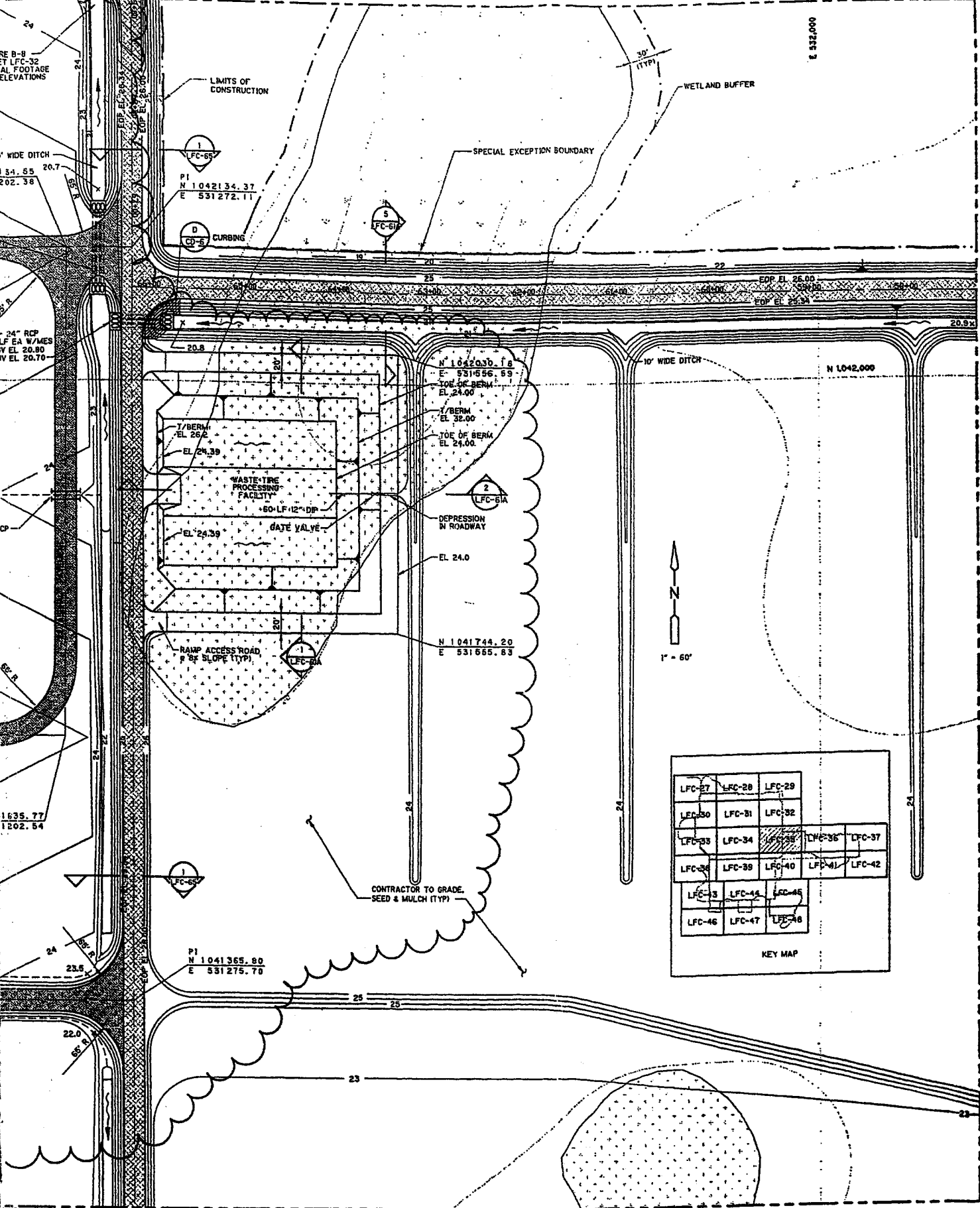
DESIGNED BY: J. LADNER  
 DRAWN BY: S. WILLIAMS  
 SHEET CHECKED BY: J. HOFFMAN  
 CROSS CHECKED BY: W. SPRIGGS  
 APPROVED BY: [Signature]  
 DATE: MAY 1994

CAMP DRESSER & MCKEE INC.

environmental engineers, scientists, planners, & management consultants

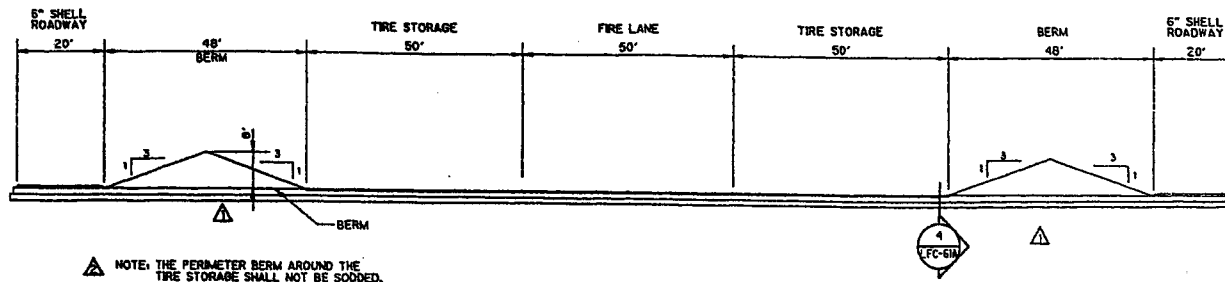
**CDM**

CEN

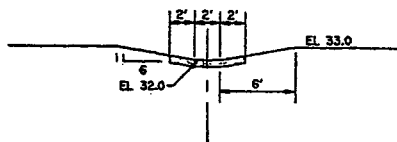


KEY MAP

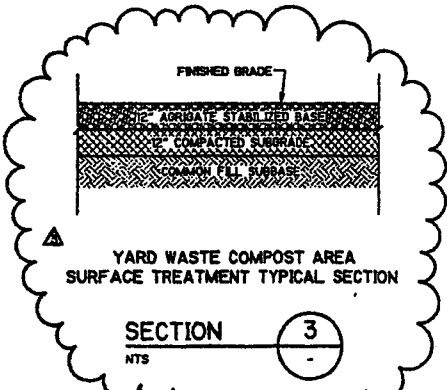
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LFC-30	LFC-31	LFC-32
LFC-33	LFC-34	LFC-35
LFC-36	LFC-37	LFC-38
LFC-39	LFC-40	LFC-41
LFC-42	LFC-43	LFC-44
LFC-45	LFC-46	LFC-47
LFC-48	LFC-49	LFC-50



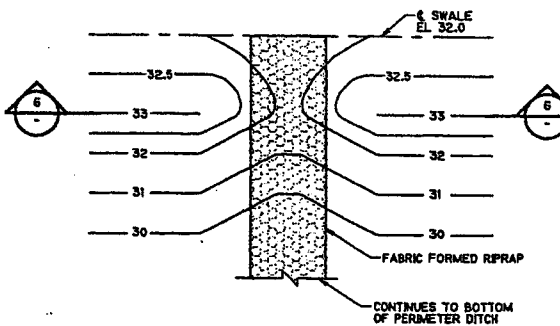
SECTION 1  
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LFC-35



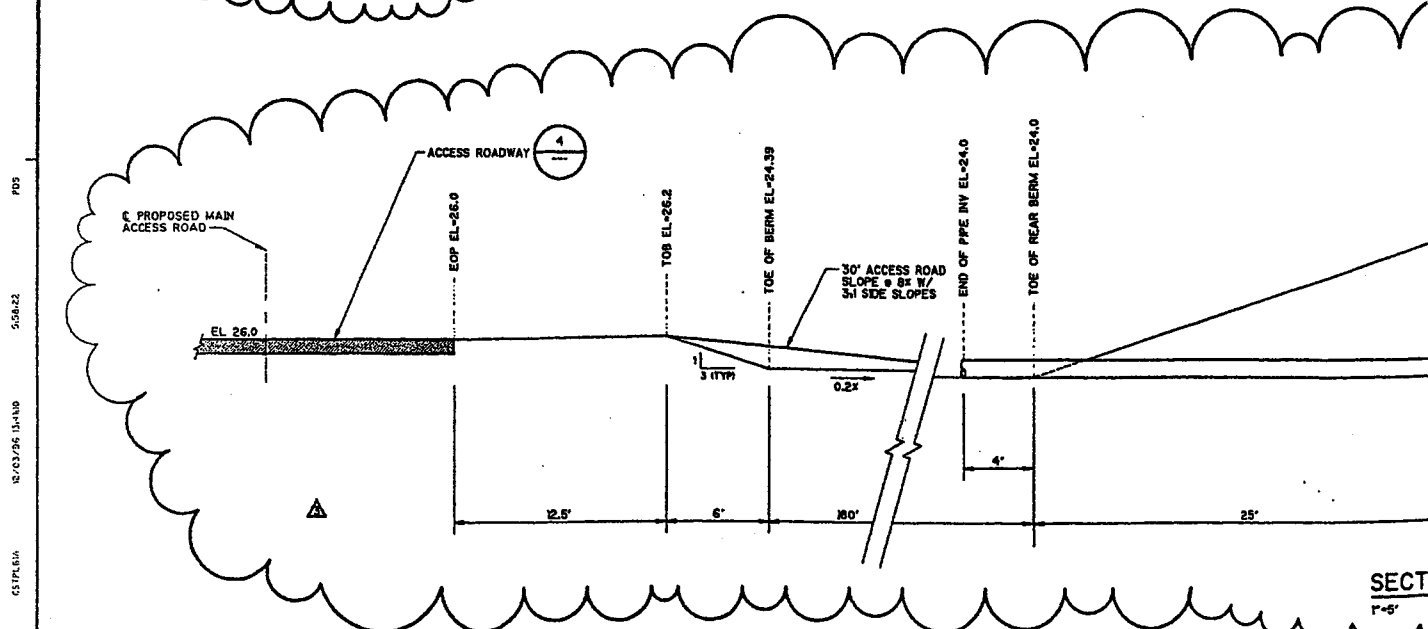
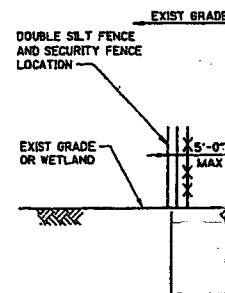
SECTION 6  
NTS



SECTION 3  
NTS



SWALE SPILLWAY  
DETAIL C  
NTS  
LFC-96 & 57



SECTION 4  
1"=5'

04/02/96-08/01/96

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	12/96	SDA		CHANGE ORDER NO. 2
2	11/95	JMS		CONFORMED DRAWING
3	12/94	JMS		ADDENDUM NO. 2
4	11/30/94	RHV		ADDENDUM NO. 1 REPLACED THIS SHEET IN ITS ENTIRETY

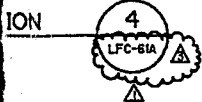
DESIGNED BY: J. LADNER  
 DRAWN BY: B. WILLIAMS  
 SHEET CHECKED BY: J. HOFFMAN  
 CROSS CHECKED BY: W. SPRIGGS  
 APPROVED BY: [Signature]  
 DATE: MAY 1994

CAMP DRESSER & MCKEE INC.

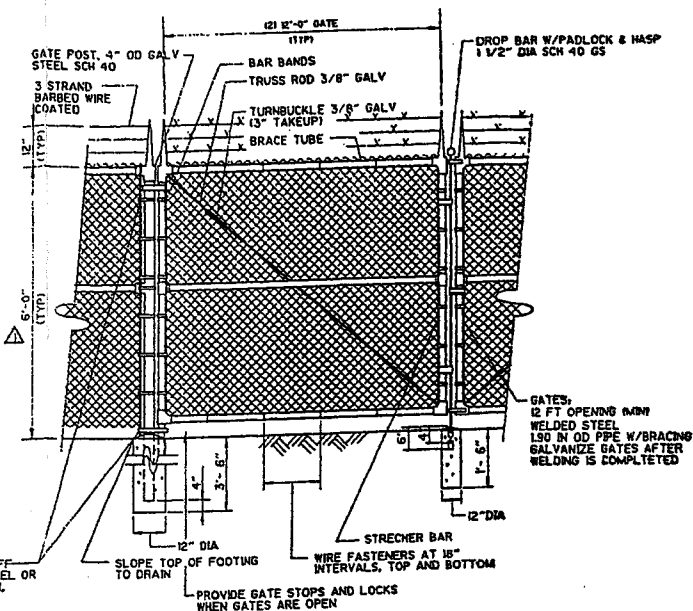
environmental engineers, scientists,  
planners, & management consultants



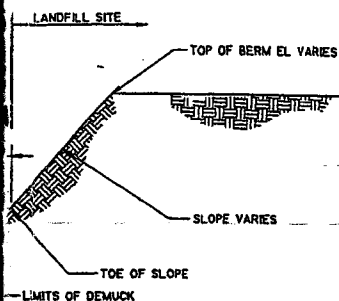
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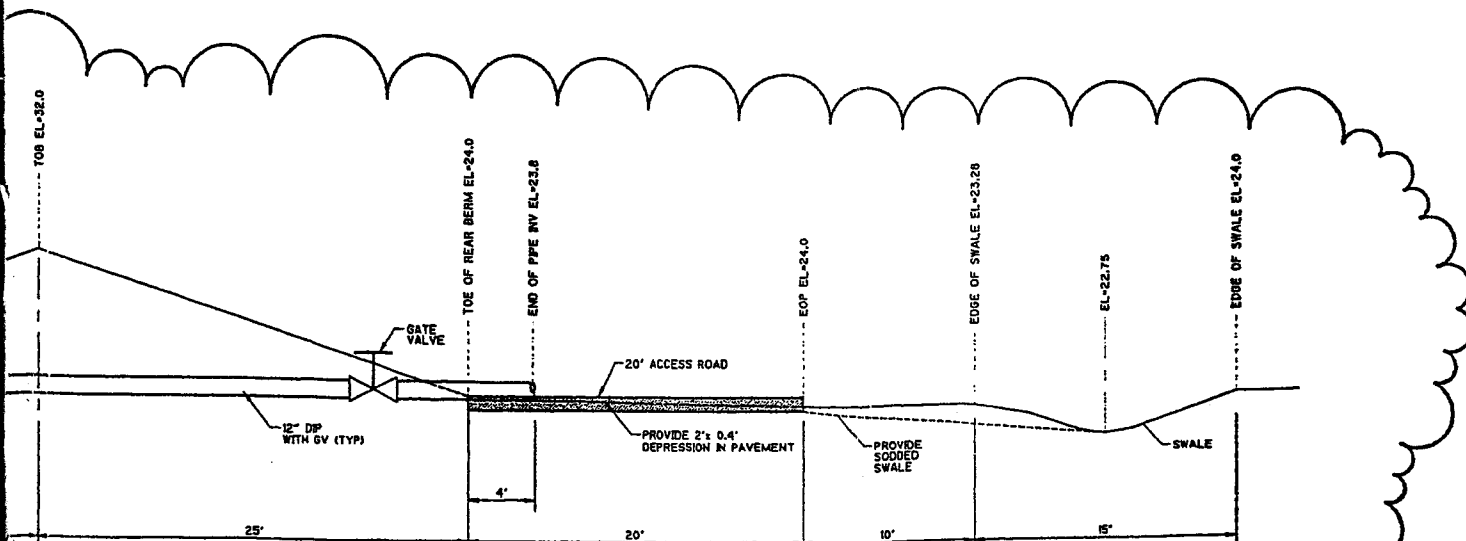
CHAIN LINK FENCE  
DETAIL A  
NTS G-7



CHAIN LINK FENCE-GATE  
DETAIL B  
NTS G-7



5  
LFC-28  
& 35



ION 2  
LFC-35

## CHANGE ORDER NO. 2

**SARASOTA COUNTY, FLORIDA**

PROJECT NO.  
9250-58-CDN

**SHEET NO.**

**LFC-61A**

## MISCELLANEOUS SECTIONS & DETAILS

TRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
LANDFILL SITE WORK

**ATTACHMENT B**

**WASTE TIRE PROCESSING FACILITY OPERATION**



## ATTACHMENT B

### WASTE TIRE PROCESSING FACILITY OPERATION

The Waste Tire Processing Facility (WTPF) is located, as shown on Figure G-5 of Attachment A. The facility is located within the confines of the Central County Solid Waste Disposal Complex (CCSWDC), which is located at the north end of Knights Trail Road in Sarasota County, Florida. The Solid Waste Business Unit of Sarasota County, or a selected qualified contractor, will operate the associated landfill and the WTPF.

The Waste Tire Processing Facility is for the use and convenience of the residents and businesses of Sarasota County and is not intended for use by any other persons. The purpose of this facility is for temporary storage and shredding (processing) of waste tires. Waste tires are received as other wastes being delivered to the CCSWDC. The tires are weighed using the truck scales, and a fee is charged according to the current Rate Resolution as enacted by the Board of County Commissioners of Sarasota County, Florida. Persons delivering waste tires to the facility are directed to the storage area, and the tires are piled as set forth herein.

The WTPF at CCSWDC receives approximately 500 tons of tires per year. The operation of the facility is carried out in conformance with the requirements of 62-711.530 F.A.C.

#### 1.0 STORAGE REQUIREMENTS - 62-711.530 (1)

All waste tires are stored in accordance with the waste tire site requirements of 62-711.510 F.A.C. and storage standards of 62-711.540 F.A.C.

##### (1) Technical and Operational Standards for Storage - 62-711.540(1)

###### (a) Signage - 62-711.540(1) (a)

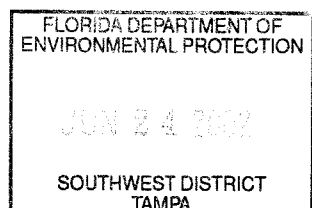
A sign is posted at the entrance of the CCSWDC stating operating hours, cost of disposal and site rules. The operating hours of the WTPF are the same as the operating hours of the CCSWDC, which is 8:00 AM to 5:00 PM Monday through Saturday exclusive of the holidays of Christmas Day, New Years Day, Independence Day, and Thanksgiving Day. The cost of disposal of tires is stated as a dollar amount per ton.

###### (b) Use of Open Flame - 62-711.540 (1) (b)

There is absolutely no use of open flame within twenty-five (25) feet of the waste tire piles.

###### (c) Attendant - 62-711.540(1) (c)

An attendant is present at all times when the facility is open to the public.



(d) Fire Protection - 62-711.540 (1) (d)

A fire-safety survey is conducted annually at the WTPF, and the survey report is submitted to Florida Department of Environmental Protection (FDEP) as part of the next quarterly report. The following fire prevention, emergency response and pollution control measures are followed.

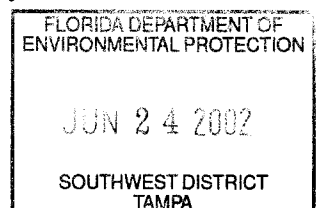
- The waste tire piles are placed in an area surrounded by an earthen berm to assure that in the event of a fire there will be no liquid runoff from the immediate area. This berm is 8 feet high with 3:1 side slopes and is properly maintained. The area within the berm is kept free of grass, underbrush, and other potentially flammable vegetation at all times.
- The Sarasota County Fire Service provides fire protection assistance. The closest operating fire station is located approximately 7¼ miles from the location of the Waste Tire Facility. The Fire Department is furnished with a key to all gates for the fence surrounding the facility and is kept informed of the location and size of the tire pile. In the event of a fire within this facility the Sarasota County Fire Service will be immediately notified of the fire. The Fire Department will be notified through the Sarasota County Emergency Operator by telephone by dialing 911 on regular telephones or by dialing 4911 on phones within the Sarasota County System or by other alternate methods.
- All liquid created as a result of the fire, including water used to control the fire, melted rubber or other material and any rainfall, will be contained within the bermed area. Additional fill from the soil stockpile area will be used to close the gap in the earthen berm at the entrance to the tire facility. After the fire is extinguished and the area has cooled down, any remaining liquid will be removed from the bermed area by contracting with the hauling company contracted to haul leachate or another similar hauling company. Care shall be exercised to minimize the amount of sand or other solids collected with the liquid. Any remaining liquids will be allowed to percolate or evaporate. Any solid residues will be transported to the landfill working face and disposed.

(e) Emergency Preparedness Manual - 62-711.540(1) (e)

The emergency preparedness manual for this facility has been developed with the cooperation of the Sarasota County Fire Service. A copy of this manual is included in Appendix A. One copy of this manual is kept at the CCSWDC site and one copy at the Sarasota County Solid Waste Business Unit's office offsite.

(f) FDEP Notification - 62-711.540(1)(f)

In the event of a fire or other emergency, and within three (3) days, the Operator



of the WTPF will notify the Florida Department of Environmental Protection of the facts of the fire or emergency as soon as practical. Within two weeks a full written report on the fire or emergency will be submitted to the FDEP describing the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions.

(g) Record Keeping - 62-711.540(1) (g)

The operator of the WTPF will maintain records of the number of tons of waste tires received and processed on the site. For additional details, see Section 4.0, Record Keeping and Maintenance, of this Attachment.

(h) Owner/Operator - 62-711.540(1) (h)

The associated landfill and Sarasota County Solid Waste Business Unit, or a selected qualified contractor will operate WTPF.

(i) Communication Equipment - 62-711.540 (1) (i)

A telephone is installed at the scale house and the maintenance/ administration building of the CCSWDC to facilitate contact with fire protection authorities in case of a fire.

(j) Pest Management - 62-711.540(1)(j)

The operator of the WTPF follows the directions of the Outdoor Integrated Pest Management program as set forth in Sarasota County Administrative Directive 9.02A, a copy of which is included in Appendix.

(k) Access Road - 62-711.540 (1)(k)

A paved entrance is provided from Knights Trail Road; the road ends at the landfill perimeter roadway. An all-weather access road will route traffic to the WTPF.

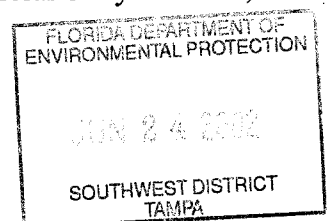
(2) Additional Requirements For Indoor Storage - 62-711.540(2)

The WTPF at the CCSWDC does not store any waste or processed tires indoors; therefore, the requirements of 62-711.540(2) F.A.C. are not applicable to this facility.

(3) Additional Requirements For Outdoor Storage - 62-711.540(3)

(a) Offset/Setback (62-711.540(3)(a))

The location of the WTPF, with respect to any natural or artificial body of water,



including wetlands within the jurisdiction of the FDEP and bodies of water contained completely within the property boundaries of the CCSWDC which do not ordinarily discharge from the site to surface waters, is delineated on Sheet LFC-35 (see Attachment A). A permit to construct the WTPF and the associated landfill has been issued by FDEP (Permit No. SC5S-21493I). The isolated wetland located just north of the WTPF does not have to meet the 200 foot setback since it constitutes a body of water contained completely within the property boundaries of the facility which does not ordinarily discharge from the site to surface waters located adjacent. The Southwest Florida Water Management District (SWFWMD) also permits the CCSWDC; the stormwater controls as set within that permit applies to the WTPF. The drainage swales around the WTPF is designed and managed to divert stormwater or floodwaters around and away from the storage piles.

(b) Maximum Dimensions - 62-711.540 (3) (b)

The waste tires are stored in piles outdoors in the area shown on the drawing. The waste tires are collected in two piles, each in an area of 9,000 square feet separated by a fifty-foot fire lane. Tire piles are not more than 50 feet wide by 180 feet long and are not be piled more than 15 feet in height.

(c) Fire Lanes and Access to Facility - 62-711.540 (3) (c)

Access roads and the fire lanes to the waste tire piles will remain open at all times for the use of emergency vehicles. The minimum width of all fire lanes is a minimum of 50 feet. The minimum width of the access roads is 20 feet. The access roads and fire lanes are maintained as all weather roads to assure access to emergency vehicles.

(d) Fences/Barriers - 62-711.540 (3) (d)

Access to the site is controlled by the use of fences and gates. Access controls or other barriers include a locking access gate at the entrance to the CCSWDC at the scale facility.

(e) Liquid Runoff Containment - 62-711.540 (3) (e)

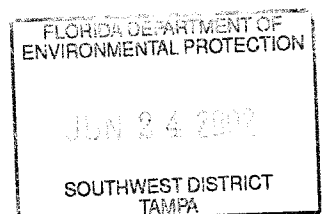
See Section 1.0 (1)(d), Fire Protection, of this Document.

(f) Potentially Flammable Vegetation - 62-711.540(3)02

See Section 1.0 (1)(d), Fire Protection, of this document.

(4) Temperature Monitoring And Control - 62-711.540 (4)

Processed tires may be transported to the Class I landfill immediately at the end of the



processing cycle and are stockpiled near the working face for the purpose of using the processed tires for daily cover. Therefore, temperature monitoring and control at the WTPF is not required.

(5) Residuals Management - 62-711.540 (5)

Any residual waste from the processing of the tires are deposited in the landfill.

**2.0 MAXIMUM STORAGE LIMITS - 62-711.530(2)**

Stockpiled waste tires are processed by a shredding process by a Contractor hired by Sarasota County. A copy of the sample draft specifications for the tire shredding service and are included in Appendix C.

Stockpiled whole waste tires do not exceed 30 times the daily through-put of the processing equipment being used. The maximum storage capacity of the whole waste tires, based on two piles of 180'x 50'x 15' each, is calculated to be 650 tons. (Engineer's calculation is included in Appendix D).

The maximum daily processing through-put is 64 tons per day, based on the equipment currently being used for processing. The equipment currently being used is the Tire Shredder, serial number 9059, 480 HP, as manufactured by Columbus McKinnon Corporation, Sarasota, Florida. The anticipated annual through-put is 2,000 tons. The average daily expected through-put to the facility is 6.5 tons per day at six days per week. The storage capacity is 650 tons, which is deemed ample provided that processing is conducted at least four times per year at the anticipated annual through-put rate. It requires approximately eleven days to process 650 tons. Based on daily processing through-put of 64 tons and 30 days of processing time, 1,920 tons is allowed to be stored onsite, under this rule, which is far greater than the 650 tons of actual storage capacity available.

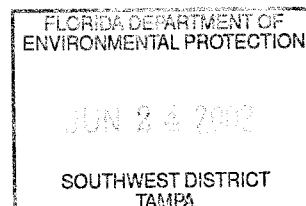
At the WTPF at CCSWDC, the storage of waste tires abides by the maximum limits established under this rule.

**3.0 PROCESSED TIRES - 62-711.530 (3)**

Each year at least 75 percent of all material received are processed and disposed of prior to the end of the year.

The storage capacity provided (650 tons) represents approximately 25 percent of the annual through-put and at least three processing sessions necessarily have to occur before the end of the year for compliance with this rule. Shredding is done at a frequency of 4 to 6 times per year.

Processed waste tires may be used as initial cover or landfilled at the CCSWDC Class I landfill. For use as initial cover, 70 percent of the waste tire material are cut into pieces of 4 square inches or less and 100 percent of the waste material is 32 square inches or less. For landfilling (disposal), a waste tire is cut into at least 8 substantially equal pieces.



#### **4.0 RECORD KEEPING AND MAINTENANCE - 62-711.530(4)**

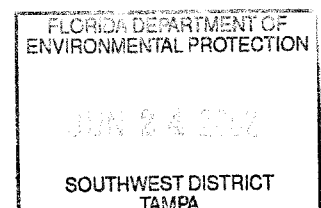
An office is located in the maintenance facility located at CCSWDC. Records are maintained for the following information for a minimum of three years.

- The name and registration number of the waste tire collector who delivered waste tires to the facility, along with the quantity of tires delivered. Also, for individuals who are not registered, waste tire collectors who deliver more than five tires, the name, address, telephone number, and quantity of tires delivered are recorded.
- If the facility were to ship or remove waste tires for any reason, the following information will recorded and FDEP will be notified and records maintained in accordance with this rule.
  - The name and registration number of the waste tire collector who accepted the waste tires for transport.
  - The quantity of waste tires shipped with the collector.
  - If the tires are not shipped with a waste tire collector the number of tires shipped, the person's name, address and telephone number along with the place the tires were deposited.

#### **5.0 SUBMISSION OF REPORTS - 62-711.530(5)**

Sarasota County will submit quarterly reports, by the 20th of the month following the close of each calendar quarter, to FDEP that summarizes the information collected as described in Section 4.0, Record Keeping and Maintenance, using Form 62-711.900(4). The following information will also be provided:

- Facility name, address and permit number.
- Time period covered by the report.
- Total quantity by category of waste tires received.
- Quantity of waste tires shipped from the facility, if any.
- Quantity of waste tires processed.
- Quantity of waste tires by category located at the facility on the last day of the quarter.
- A list of all dates on which one or more categories of waste tires exceeded the storage limit and how this condition was relieved or will be relieved.



## **6.0 PERMIT APPLICATION - 62-711.530(6)**

This submittal constitutes an application for a permit to operate the WTPF at CCSWDC. Form 62-701.900(23) duly filled, signed and sealed by a professional engineer registered in Florida, is included herein.

## **7.0 CLOSURE - 62-711.700**

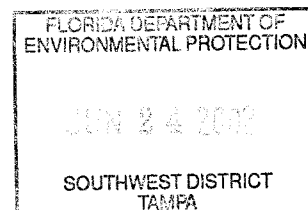
Closure will commence concurrent with closure of the landfill facilities at the Central County Solid Waste Disposal Complex. The estimated life of the CCSWDC Class I Landfill is 40 years. Closure of the WTPF will include removal of all remaining processed and residual tire material and placement into the Class I landfill prior to final capping. At the time of the closure, the following activities will take place. All other closure activities will be consistent with closure procedures associated with the Class I landfill site.

- Public access to the site will be stopped by locking the entrance gate at all times except for entrance and exit of authorized personnel.
- A notice indicating the site is closed will be posted. The notice will provide the phone number of the Sarasota County Solid Waste Business Unit.
- The Sarasota County Solid Waste Business Unit will notify FDEP.
- All remaining waste tires will be processed and disposed in the CCSWDC Class I Landfill prior to implementing closure activities. All remaining residues or other materials will be placed in the landfill prior to closing this facility.
- Any solid waste will also be removed from the WTPF as described above.
- FDEP will be notified by Sarasota County when closure is complete.

## **8.0 CLOSING COST ESTIMATE AND FINANCIAL ASSURANCE 62-711.500(3)**

Per 62-711.500(3) F.A.C., landfills which meet the financial assurance requirements of 62-701.630, F.A.C. are not required to submit separate closing cost estimates or financial assurance documents.

The requirements of 62-701.630, F.A.C. have been addressed in the annual update of financial assurance requirements for the CCSWDC already submitted to FDEP.



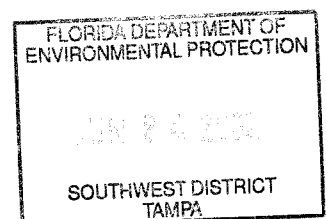
**APPENDIX A**  
**STANDARD OPERATING PROCEDURES**



**Solid Waste Operations Division**  
**CENTRAL COUNTY SOLID WASTE DISPOSAL**  
**COMPLEX**



**STANDARD OPERATING PROCEDURES**

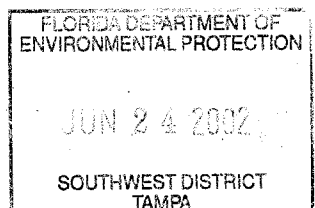


## **SAFETY**

Training .....	1
Equipment.....	1
Special Procedures.....	1
Safety Meetings .....	2
Safety Officer .....	2

## **EMERGENCY AND FIRE SAFETY**

Notification: Call 911 .....	3
Used Tire Storage Area Special Rules .....	3
List of Emergency Response Equipment.....	4
List of Emergency Response Persons.....	4
Procedure to be Followed for Cleanup .....	4



## SAFETY

The program shall consist of the following parts:

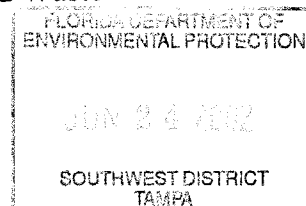
**Training** - General training of all employees will be required to develop the skills of emergency first aid and CPR. General training includes:

- Red Cross Multimedia certification is required initially upon employment and subsequently re-certification on a three-year schedule is required.
- Red Cross Cardiopulmonary Resuscitation Basic Life Support Course certification initially upon employment and subsequently on an annual basis thereafter is required.
- All employees shall be trained in the job-specific aspects of their position. This training will be provided by and is the responsibility of the employee's immediate supervisor.
- Special training shall be required for each employee on a job-specific basis. Each operator of a piece of equipment shall be trained in the operation of that piece of equipment by the immediate supervisor. This training shall be given in accordance with the manufacturer's recommendations and operating manuals. This training will be provided by and is the responsibility of the immediate supervisor in charge of the employee.

**Equipment** - This section shall outline the basic safety equipment to be provided to the employees of this Division.

- Uniforms shall be furnished for and shall be worn by all employees except office personnel. Special exemption from this requirement may be granted by the Director of Solid Waste Operations Division on a case-by-case basis.
- Special safety equipment such as rain gear including rubber boots, boots having steel toes and stainless steel puncture resistant soles, work gloves, goggles, dust masks, protective eye glasses, rubber gloves, face guards, hearing protection, and rubber aprons shall be utilized as part of the day-to-day operational procedures of this Division. It shall be the responsibility of each individual employee and the immediate supervisor to assure that proper safety equipment is in use. Standard operating procedures will be developed and included as a part of this program. Development of these procedures will be the responsibility of all supervisory personnel.
- All employees will be required to wear safety shoes or boots when working in an environment dictating the need for such equipment. Generally, safety shoes will be required except when working in the scalehouse or office. Safety shoes will be issued to all employees whose duties require the wearing of safety shoes.

**Special Procedures** - Special procedures shall consist of operational plans, which shall be prepared by the supervisor in charge of each separate operation within the Solid Waste



Operations Division. Operational plans shall be prepared for the following separate functions within the Solid Waste Operations Division - office, landfill, transfer station, hazardous wastes and infectious wastes.

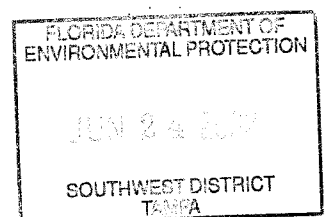
**Safety Meetings** - Safety meetings shall be held as deemed necessary by the Solid Waste Operations Division Safety Officer but no less than one meeting shall be held every other month.

Safety meetings shall be the responsibility of the Solid Waste Operations Division Safety Officer.

Safety meeting topics shall include a discussion of all incidents, which have occurred within the Division since the last safety meeting was held, along with topics of current importance and interest.

**Safety Officer** - the Manager of the Solid Waste Operations Division shall appoint the Solid Waste Operations Division Safety Officer. The Solid Waste Operations Division Safety Officer is Terry Foxworthy. The Solid Waste Operations Division Manager is Gary Bennet.

The position of solid -Waste Operations Division Safety Officer shall be held in conjunction with the regular duties of the position for which the person was hired. However, the Solid Waste Operations Division Safety Officer shall be given time during the regular working hours to perform the duties of the Solid Waste Operations Division Safety Officer.



## EMERGENCY AND FIRE SAFETY

This section provides the standard operating procedure for all personnel in the event of an emergency or fire of any nature that may take place within the boundaries of landfill or transfer station.

**Notification:** CALL 911 as in any emergency, the first thing to do is to immediately notify the proper emergency response team. In the case of FIRE, immediately notify the Fire Department through the emergency phone number 911. Remember, if you are calling from a phone, which is connected to the County switchboard, you must dial 4911 to reach the emergency operator.

If the office or one of the scalehouses is open, you can contact them by radio for your emergency, and they will be able to place the necessary phone call.

Be sure to SPEAK SLOWLY, DISTINCTLY, DELIBERATELY, and remain as calm as possible. Briefly tell the person to whom you are reporting the emergency the following:

- the nature of the emergency;
- any injuries or persons involved; and
- where the emergency is located.

If there are injuries, you should render whatever assistance you can without endangering yourself. Use the First Aid and/or CPR training you have learned to assist where necessary. if possible, evacuate any person or equipment that may be endangered.

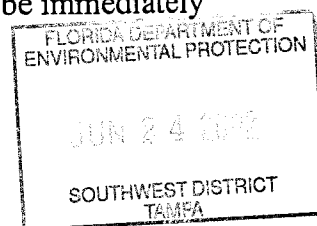
In the event of small fires, the use of a fire extinguisher may be sufficient to contain the fire until the arrival of the Emergency Responders. Fire extinguishers are found in every Solid Waste Operations Division vehicle and on every machine. In the event of larger fires, a 4000-gallon water tanker and the pressure washer trailer is available for fighting fires.

Upon arrival of the Emergency Responders, you should take whatever steps necessary to assist.

In the event of fire in the landfill, it may be necessary to smother the fire using available dirt from the dirt stockpiles located at the landfill. In this case, the Manager of the landfill shall make immediate provisions to provide that earth cover.

**Used Tire Storage Area Special Rules** - In the event there is a fire or other emergency in the used tire storage area, the following special rules shall apply:

- After following the emergency procedure outline above, the Manager shall insure that the dike around the waste tire pile is intact and that the valve of the drainpipe through the berm is closed. This shall be accomplished by patrolling the exterior of the dike and by adding earth to the dike wherever necessary to assure that no oily material generated by the combustion of the tires escapes the immediate area.
- The State of Florida, Department of Environmental Regulation, shall be immediately



notified by calling the Tampa office at 813\744-6100 if fire, or another emergency, poses an unanticipated threat to the public health or environment. Within two weeks of any emergency involving potential off-site impact, a report shall be submitted to the Department including information on the emergency, the results of the action taken, and an analysis of the success or failure of the actions.

- In addition, any special conditions as set forth by the Sarasota county Fire Department shall be net.

**List of Emergency Response Equipment** - In the event of a fire emergency, the following equipment is available at the landfill and may be used as the situation dictates in the evolution of responding to a fire emergency, such as repair of dikes, smothering with earth and materials, and then use of water in extinguishing fires:

(2) D-6N bulldozers	4000-gallon water tanker
623-B Excavator	8-inch Mac Pump w/diesel engine
950 Endloaders	Pressure washer trailer

It should be noted that from time to time the equipment available for fire emergency use may be changed, and it should be the responsibility of the persons in charge at the facility to be aware of those changes and respond accordingly with the appropriate equipment in the event of a fire emergency.

Dry hydrant connections are available as shown on the drawings for the purpose of supplying water in the event of a fire or other emergency.

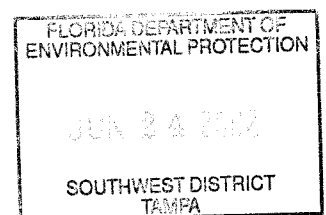
Also available at the site is an 8-inch Mac pump with hose and discharge pipe to be used and for filling the 4000-gallon tanker. Upon arrival of the fire department, this pump and water supply will be used under the direction of the officer in charge from the fire department.

Fire extinguishers are available in every vehicle and piece of equipment on the site. Although fire extinguishers are very ineffective against a large fire, it may be possible through their use to control the fire until larger equipment is brought to bar the fire.

**List of Emergency Responses Persons:**

	Home Phone Number
Gary Bennett	(941)497-3191
Don Shaulis	(941)921-2674

**Procedure to be Followed for Cleanup** - Any residual from a fire at the tire storage area shall be removed for proper disposal by County personnel. The County will provide all cleanup services and equipment required. All debris and contaminated soil will be placed in the landfill and all liquids will be pumped into a hauling truck for proper disposal.



**APPENDIX B**  
**PEST MANAGEMENT PLAN**

# SARASOTA COUNTY GOVERNMENT

## ADMINISTRATIVE DIRECTIVE

NUMBER: 9.02A

ISSUED: January 18, 1995

EFFECTIVE: January 18, 1995

SUPERSEDES: 9.02

### SUBJECT:

Interdepartmental Integrated Pest Management (IPM) Program .

### AUTHORITY:

Sarasota County Board of County Commissioners Resolution # 91-092, which provided for adoption of integrated pest management practices by County Government pest control programs and established an Environmental Pest Management Advisory Board.

### PURPOSE:

This administrative directive sets forth the policy and procedures for County personnel involved with operations related to the management of pests and undesirable vegetation.

### POLICY:

Integrated Pest Management (IPM) in Sarasota County is an approach to managing vectors/pests and undesirable vegetation that incorporates the following key ingredients:

Identification of the pest or undesirable problem, regular monitoring, determination of injury or problem levels, record keeping, selection of the least toxic strategies and techniques, and evaluation of actions taken to control or correct the problem.

County departments managing pests or vegetation will develop and implement comprehensive written integrated pest and vegetation management programs in accordance with the requirements of this policy.



Integrated pest and vegetation management programs shall include the following elements:

- 1) Goals and objectives of the Department's Program.
- 2) Description of the scope of responsibility and boundaries of the system/property to be managed.
- 3) Pesticide usage/storage procedures
- 4) Training and education requirements for personnel involved in the departmental Pest Management Program.
- 6) Recordkeeping for pesticide use/reporting
- 5) Identification of the pest or conditions causing a problem to occur. This can change seasonally.
- 7) Regular inspections of the areas or sites for potential pest/vegetation problems
- 8) Determination of when pest levels/vegetation problems are likely to require action (based on a monitoring plan). Maintain records to measure pest occurrence and determine when numbers or situations pose a problem.
- 9) Identification of ways to change these conditions to discourage recurrences of the problem.
- 9) Selection of the most environmentally sound and economically viable treatment strategies to suppress the pest problem.
- 10) Evaluation after treatment to determine if action taken has been effective worthwhile, and cost effective.

#### RESPONSIBILITY:

All County Government Departments are responsible for accomplishing the provisions of this Administrative Directive. The County Administrator will designate a Pest Management Coordinator who will:

- 1) Assist the departments in implementing this Directive.
- 2) Provide staff support to the Environmental Pest Management Advisory Board.
- 3) Provide support for educational programs on IPM activities.

- 4) Update IPM directives and procedures as required.
- 5) Maintain a master file of all labels and Material Safety Data Sheets (MSDS) for those pesticides being used by County departments.

#### PROCEDURES:

All County departments managing pests or vegetation will:

- 1) Identify an IPM coordinator(s) and alternate(s) to provide overall departmental program management. Assist the Designated County Pest Management Coordinator and the Environmental Pest Management Advisory Board in developing recommended policy.
- 2) Develop and implement comprehensive written integrated pest and vegetation management programs containing, as a minimum, the elements identified in policy section above.
- 3) Provide continuing personnel training in integrated pest and vegetation management concepts and methods. Assistance will be provided by Cooperative Extension and other qualified personnel in the County.
- 4) Modify job descriptions to assure that training and educational requirements for the applicator personnel comply with State regulations pertaining to the control of vegetation and pests and the use of pesticides.
- 5) Review plans and specifications to enhance the use of IPM procedures and decisions for the planning for modification/repair/replacement/construction of new buildings, landscapes, roads, drainage structures/systems with the objective of minimizing pest problems. Departments are encouraged to seek assistance from the IPM Working Group in this process.
- 6) Shall purchase and use non-biorational pesticides only where feasible alternatives are not available. Non-biorational pesticides are conventional broad spectrum chemical pesticides whereas biorational pesticides tend to have less negative impact on the environment and beneficial predators. Examples of biorational products include: Bacillus thuringiensis (Bt, Bti), Insecticidal oils and soaps, insect growth regulators (IGRs), insect-attacking nematodes, borate-based compounds, and insecticidal baits.
- 7) Suggest research needs to the Environmental Pest Management Advisory Board, through the County's designated Coordinator for consideration by the University of Florida.

- 8) In coordination with the County's Designated Coordinator conduct an annual evaluation of the Department's IPM program and determine where improvements should/could be made.
- 9) Will develop operational guidelines and standards for general maintenance activities, and IPM prescriptions for specific pests.
- 10) Will develop pesticide procedures for at least the following:
  - a. Procedures for public notification of pesticide applications (according to each Departments operations and State laws).
  - b. Pesticide application procedures.
  - c. Pesticide spill response procedures.
  - d. Pesticide storage procedures.
  - e. Cleaning and calibration of equipment procedures.
  - f. Storage and disposal of containers

#### **GUIDELINES:**

When using pesticides, Departments will give consideration to the selection of the least toxic material, beneficial organisms, identification of the pest, efficacy of the material, timing of application, method of application, characteristics of the treatment site, and qualifications of applicator personnel. Departments will consider the following:

- 1) Disruption of natural enemies - Become familiar with beneficial organisms. Use available charts and literature to evaluate impact of control strategies and their toxicity to specific natural enemies.
- 2) Identification - Proper identification of the pest or problem is critical to understanding its management and selection of the appropriate pesticide strategy.
- 3) Pesticide Toxicity - select effective pesticides that are the least toxic available in order to minimize threats to the applicator as well as to other non-target organisms. Use only when other control methods would not be effective or practical in maintaining the established level of service.
- 4) Efficacy - Pesticide efficacy can vary from one pest to another, one location to another, and even from one year to the next in the same location. It is

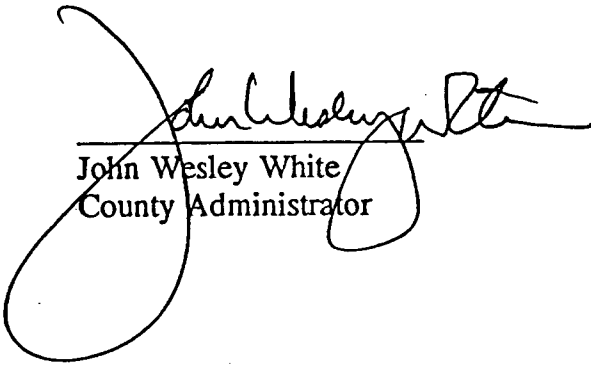
essential when pesticides have to be used to select the correct materials based upon their least toxic impact and efficacy. Good record keeping will be used to support selections.

- 5) Timing of Application - The effective use of pesticides is enhanced by regularly monitoring pest and beneficial populations to determine the optimum application time. Attack pests during the most susceptible point in their life cycle or growth period. The same holds true for undesirable vegetation. Young, actively growing weeds are usually the easiest to control, e.g., translocating herbicides designed to control weeds by moving from foliage to roots will be most effective at this time.
- 6) Rate and Method of Application - Regardless of the pest, a method of application should be chosen based on distribution of the pest relative to its environment so that adequate coverage is achieved. Proper application will maximize effectiveness and minimize need for additional sprays. The Goal - is to reduce pesticide use without compromising control.
- 7) Characteristics of Application Sites - The physical texture, mineral, and chemistry of soils and other geologic materials affect the mobility of water and soluble pesticides. In addition, the topography of the application site, its proximity to surface water, climate and wind conditions are important considerations.
- 8) Applicator requirements - Pesticides must be applied by certified personnel. To evaluate the effectiveness of pest management activities it is essential to consider the following:
  - a. Monitor the Program - Keep written records of site pest management objectives, when and where pest problems are seen, decisions made, actions taken, and effectiveness of treatment action. Data provided by the monitoring system should reflect the actual pest/vegetation problem.
  - b. Working Injury Level - Select an injury level that provides sufficient advance warning to permit taking treatment action before intolerable levels of pests or vegetation presence are reached (arrived at through monitoring).
  - c. Treatment Activities - Formal monitoring data, or other channels of communication about the pest problem should show that the pest numbers of situations have gone down or been corrected as a result of control activities. Return to the site to evaluate the success of the total treatment.

- d. Integration of the Services Rendered - Ensure that all parties involved in the pest problem understand how their actions are contributing to the overall program.
- e. Education Program - Educate County employees on the connection between their own or other causal activities and pest/vegetation problem/solution and the public as appropriate.

This Administrative Directive supercedes Sarasota County Administrative Directive No. 9.02 (Outdoor Integrated Pest Management (I.P.M.) Program)

Approved:



John Wesley White  
County Administrator

**APPENDIX C**  
**TIRE SHEDDING BID**

CALL FOR BIDS  
ANNUAL CONTRACT

The County Government of Sarasota, Florida, will receive sealed bids in Room 400 of the County Administration Center, 101 South Washington Boulevard, Sarasota, Florida, 34236 until 9:30 A.M. on the date indicated below for the purpose of selecting a supplier for the following products or services on an annual contract basis. Quantities will be ordered against the annual award by the using departments throughout the year on an as-needed basis.

Bid Number & Item: 0172J - TIRE SHREDDING SERVICES  
Date of Opening: OCTOBER 15, 1990  
Location of Opening: SEVENTH FLOOR CONFERENCE ROOM

Said bids will be publicly opened at the time, date, and location stated above in the presence of the designees of the County Administrator, the Clerk of the Board of County Commissioners, and the Purchasing Director.

Specifications and bid documents may be obtained at the office of the County Purchasing Director, Room M102, County Administration Center, 101 South Washington Boulevard, Sarasota, Florida, 34236. Phone (813) 951-5266.

All bids shall be submitted in triplicate in a sealed envelope plainly marked on the outside with the bid number and item, and mailed to the attention of the Deputy Clerk, P.O. Box 8, Sarasota, Florida, 34230, or delivered to her office at Room 400, County Administration Center, 101 South Washington Boulevard, Sarasota, Florida, 34236.

The Board of County Commissioners reserves the right to reject any or all bids for any reason whatsoever.

BOARD OF COUNTY COMMISSIONERS  
SARASOTA, FLORIDA

PUBLISHED: OCTOBER 5 & 8, 1990  
OPENING: OCTOBER 15, 1990

SARASOTA COUNTY GOVERNMENT  
GENERAL INSTRUCTIONS TO BIDDERS  
ANNUAL BIDS

1. For information questions concerning this bid, contact the Procurement Management Division, 101 S. Washington Blvd., Sarasota, Florida, 34236, telephone (813) 951-5266.
2. The County intends to award a firm fixed-price contract extending for a one-year period. There will be an option to extend an annual bid contract for two each additional one year periods, adhering to the original bid terms and conditions. These extensions will be contingent upon approval of both the County and contractor at the time of extension.
3. Detailed specifications describe the commodities or services to be acquired by the County. To be considered for award, a bid must comply in all material respects with the invitation for bids. No alternate bids or deviations from specifications will be accepted unless requested in the specifications or bid form. Such bids will be deemed nonresponsive and ineligible for award.
4. Unless otherwise specified, all prices are to be FOB-delivered prices, to any location in the County. Should a bid call for delivery to either north or south County alone, with separate bid prices, the dividing line is Blackburn Point Road, between Laurel and Osprey, Florida.
5. Bidders are required to bid their prices on the bid forms supplied by the County in the bid specifications. Bids will be deemed nonresponsive if these bid forms are not used.
6. The County assumes no responsibility for bids received after the advertised bid opening time or at any office or location other than that specified herein, whether due to mail delays, courier mistake, mishandling or any other reason.
7. The Board of County Commissioners reserves the right to reject any or all bids for any reason whatsoever.
8. Through a cooperative purchasing agreement, the cities of Longboat, North Port, Venice and Sarasota, may procure against an annual bid contract if the contractor agrees at time of award. Such participation, if it occurs, will be by separate purchase order and invoicing with the governmental entity concerned.
9. Included in these specifications is a State of Florida Public Entity Crime form which must be completed and submitted with your bid forms. Failure to do so may render your bid nonresponsive.
10. Any checks or bonds required by the specifications to be submitted with the bid must reference the bid number.

9/12/90



TECHNICAL SPECIFICATIONS FOR  
TIRE SHREDDING SERVICE  
FOR SARASOTA COUNTY, FLORIDA

The Contractor is to furnish all labor, materials, tools, and equipment and perform all work and services for furnishing a tire shredding service for Sarasota County Florida, as herein described.

A. DEFINITIONS:

1. The term "County" used herein throughout these specifications shall mean the Environmental Services Department, Solid Waste Operations Division of Sarasota County, Florida.
2. The term "Contractor" shall mean the person or firm which is the successful bidder and to which a contract is awarded for furnishing the tire shredding service as specified herein.
3. The term "Bee Ridge Landfill" shall mean the County's Landfill which is located at 8350 Bee Ridge Road, Sarasota County, Florida.

B. TIRE SHREDDING SERVICE: The Contractor shall furnish a tire shredding service to the County as follows:

1. The Contractor shall furnish a tire shredding service to the County a minimum of once each quarter of the fiscal year. The fiscal year shall be defined as the period from October 1 to September 30.
2. The tire shredding service to be provided by the Contractor will require the Contractor to shred all of the tires, regardless of the size or type of tire, that are stockpiled at the Bee Ridge Landfill.
3. Tires are to be shredded so that the shredded pieces can be used for daily cover, 70% of the waste tire material must be cut into pieces of 4 square inches or less and 100% of the waste tire is 32 square inches or less.
4. The unit price bid shall be the price per ton for shredding all of the tires in the tire stockpile.
5. Hours of operation of the Bee Ridge Landfill are Monday through Saturday from 8:00 A.M. to 5:00 P.M. exclusive of the days of Christmas, New Year's Day, Independence Day, and Thanksgiving Day; and the Contractor will be allowed to perform the tire shredding service only during the hours of operation described herein.

6. The exact number of tires to be shredded is unknown. However, the average tonnage of tires recorded at the scalehouse each month is approximately 108 tons.

7. The Contractor will be required to remove any rims which may be on the tires if unable to shred along with the tires. Cost of removal of the rims shall be included in the unit price for shredding of the tires. Rims that have been removed by the Contractor shall remain the property of the County and shall be stockpiled, at the direction of the County, adjacent to the tire stockpile.

8. The Contractor will be required to load the shredded tires on a suitable transport for the purpose of weighing the shredded tires on the County's scales which are located at the Bee Ridge Landfill. The net weight of tires shredded will be the basis for payment per ton of tires shredded. The Contractor shall then deposit, at the direction of the County, the shredded tires to a designated area to be used for daily cover.

9. The Contractor will be required to meet the limits set forth in F.A.C. Rule 17-711.530(2) in that the Contractor must be able to process enough tires to meet the 30 times the daily through-put of the processing equipment the Contractor will use.

10. If the Contractor is required by the County to provide the service on a more frequent basis than that as set forth in paragraph B.1. of these specifications, then the Contractor will be required to do same at the unit price bid per ton of tires shredded.

**APPENDIX D**  
**CALCULATIONS**

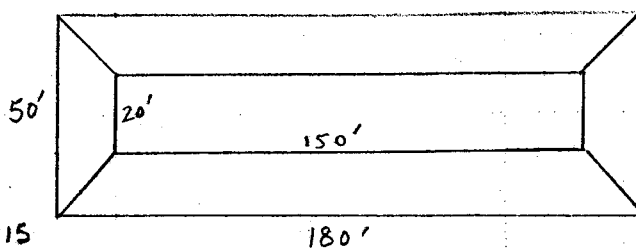
Maximum Storage Capacity

Based on the design plans two piles of 180 ft x 50 ft x 15 ft separated by a 50' fire lane in conformance with 62-711.540(3) can be maintained.

$$\text{Area of each pile} = 180 \text{ ft} \times 50 \text{ ft} = 9000 \text{ ft}^2 < 10,000 \text{ ft}^2$$

∴ O.K.

Volume of each pile (for maximum storage) using 1:1 side slopes



$$\text{Vol.} = \frac{(180 \times 50) + (150 \times 20)}{2} \times 15$$

$$= 90,000 \text{ ft}^3 \text{ or } 3333.33 \text{ CY}$$

PLAN (Max<sup>m</sup> Ht = 15 ft)

∴ 2 piles provide 2 x 3333.33 = 6667 CY of storage capacity

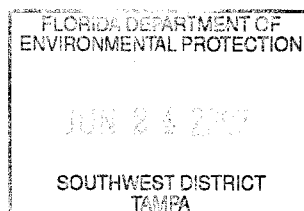
Based on 62-711.200(7) quantity criteria - 200 lbs per cubic yard of unit weight is used to estimate tonnage.

At 200 lbs/CY, 6667 CY of storage can accommodate approximately 667 tons of whole waste tires

With safety factor Max<sup>m</sup> storage capacity = 650 tons

Max<sup>m</sup> Area Available = 18,000 sq. feet

**APPENDIX E**  
**FIRE SAFETY INSPECTION REPORT**





# FILE COPY

## SARASOTA COUNTY GOVERNMENT

EMERGENCY SERVICES BUSINESS CENTER  
Dedicated to Quality Service

RECEIVED

FIRE PREVENTION  
6750 Bee Ridge Road  
Sarasota, Florida 34241  
(941) 316-1215

### FIRE SAFETY INSPECTION REPORT NOTICE OF VIOLATION

NOV 21 2001

SOLID WASTE OPERATIONS

Inspection Date 11/15/01

Address #'s Displayed \_\_\_\_\_

ANNUAL

Business Name <u>TIRE STORAGE</u>	Tel: _____	Address _____
Property Owner <u>SARASOTA COUNTY</u>	Tel: _____	Address _____
Business Owner _____	Tel: _____	Pager/cell _____
Contact <u>DON SCHAULIS</u>	Tel: <u>486-2600</u>	Pager/cell _____

Occupancy Type TIRE STORAGE Stories 0 # of Units 1 Knox box (proper keys) \_\_\_\_\_

Fire Extinguisher: ABC N/A HALON \_\_\_\_\_ CO2 \_\_\_\_\_ Serviced by \_\_\_\_\_ Date \_\_\_\_\_

Flood System Y/N Serviced by N/A Date \_\_\_\_\_ Cleaned by \_\_\_\_\_ Date \_\_\_\_\_

Fire Alarm \_\_\_\_\_ Serviced by N/A Monitored by \_\_\_\_\_ Date \_\_\_\_\_

Sprinkler System (Standpipe) F.D.C. visible Y/N Serviced by \_\_\_\_\_ Date \_\_\_\_\_

Remarks and additional violations \_\_\_\_\_

TIRE STORAGE IN COMPLIANCE  
NO VIOLATIONS FOUND

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

JUN 24 2002  
SOUTHWEST DISTRICT  
TAMPA

Fire Inspector

Richard Grant

Signature of Occupant

JA

Date required for compliance

N/A

RE 1

RE 2

RE 3

NOTICE OF VIOLATION and PENALTIES MAY BE IMPOSED: Pursuant to Sarasota County Code Enforcement Ordinance No. 93-006 (as amended), and Chapter 162, Florida Statutes, you are notified that a violation exists, failure to correct the deficiencies on the date specified above may result in an Affidavit or Statement of Violation to be filed with the Code Enforcement Special Master, charging you with the violations set out above, upon which a hearing will be held which you may attend. If the Code Enforcement Special Master finds a violation exists, penalties up to \$250.00 per day for each day the violation exists may be imposed. Penalties up to \$500.00 per day for each repeat violation may be imposed.