



**HIGHLANDS COUNTY BOARD OF COUNTY
 COMMISSIONERS (HCBCC)
 PURCHASING DIVISION
 600 S. Commerce Ave
 Sebring, FL 33870
 (863) 402-6500**

DATE: May 4, 2023

BID NO. ITN-22-023-LKD ADDENDUM No. 2

Project.: Property License for use of Vacant Property: Located at the Arbuckle Landfill, 12700
 Arbuckle Creek Road, Sebring, FL 33870

The following represents clarification, additions, deletions, and/or modifications to the above referenced solicitation. This addendum shall hereafter be regarded as part of the solicitation. Items not referenced herein remain unchanged. Words, phrases or sentences with a strikethrough represent deletions to the original solicitation. Underlined words and bolded, phrases or sentences represent additions to the original solicitation, as applicable.

Questions and Answers

Q1	Does solar alter the AG designation for the land? a. If so, will it revert back once the project is decommissioned and reverted back? b. If it permanently alters the designation would that be acceptable?
A1	The property is zoned P – Public Use and does allow use of the property for utility infrastructure. Installation of solar panels complies with the public use of the property and will be allowable for this designation.
Q2	Will the county consider a 5 year lease option agreement followed by a 25 year lease with at least one 5 year option? a. Would the county consider two 5 year options? b. Would the county be open to having the option to sublet the property while being developed? I.e. during the 5 year lease option the county to sublet the property for hay harvesting; or grazing land.
A2	The requested use should not extend past year 2043 (20 years). The County will want to have the right to review/renew any areas for further license of use after this to evaluate the County’s needs at that time. The County is not interested in allowing “sub-licensing” as the license will be granted to one entity for a specific use.
Q3	Would the county consider a joint proposal whereas there is an immediate short term lease with a secondary party and extend a 25+ year lease with the primary proposer?
A3	The requested use should not extend past year 2043 (20 years). The County will want to have the right to review/renew any areas for further license of use after this to evaluate the County’s needs at that time. The County is not interested in allowing “sub-licensing” as the license will be granted to one entity for a specific use.

Q4	Are the areas around the perimeter of the facility available for use?
A4	See revised map. (A2-2 Map) The requested area for potential license of use is now referred to as Parcel C (up to 103 acres). This area is to be treated similar to the conservation areas and no vegetation other than exotic species. Use of the area will require fencing be installed and maintained by the user. Final acreage subject to approved use and boundaries agreed to by both parties.
Q5	Will the Conservation areas and wetlands be available for use?
A5	Any user must comply with the existing conservation easement and permit requirements, including special conditions in the permit for the wetlands/conservation easements. These requirements state that the conservation areas “may not be altered from the natural state. Activities prohibited within the conservation areas include, but are not limited to: Construction of placing of buildings on or above the ground; dumping or placing soil or other substances such as trash; removal or destruction of trees, shrubs, or other vegetation – with exception of exotic vegetation removal; excavation , dredging, or removal of soil material; diking or fencing; and any other activities detrimental to drainage, flood control, water conservation, erosion control, or fish and wildlife habitat conservation of preservation. “ See Special Condition #17 of the provided Environmental Resource Permit. (A2-3 Permit)
Q6	Will the new Barrow Pit area need to be fenced?
A6	Yes, it will be the responsibility of the licensee to provide any necessary fences to contain livestock if such is proposed. This includes new fences to retain livestock from entering the borrow pit area.
Q7	Is there access to water?
A7	It is the Licensee’s responsibility to provide reliable and adequate water as needed. The County will not provide water via any existing irrigation lines nor guarantee water via drainage ditches. A pond may be dug in the upland areas so long as the location and size are approved by the County prior. All material shall remain on site and near the excavated area. The Licensee may also consider installing a well with prior approval by the County as to the location and construction specifications. This well should not be constructed to interfere with future use as borrow pit operations/permitting. Costs of constructing or providing energy for the pump will be the responsibility of the licensee.
Q8	Q. Can cattle be driven across the access road occasionally?
A8	This can be considered so long as the operation is conducted during non-operational hours for the solid waste facility and does not prevent access to any other users of the facility (Asphalt plant, Sheriff’s Office, etc.). The use it to be pre-approved by the Solid Waste Manager prior to the access. This should be limited to 1 location and no wider than 50’ width perpendicular to the roadway.
Q9	Can the licensee burn for pasture grass management?

A9	The Licensee may consider appropriate burning so long as appropriate measures are taken to fully contain the fire to the approved use areas. Such measures must include a pre-disked fire line and all appropriate permits must be obtained. Fires would not be allowed during periods of very dry conditions and not within 1 year of end of license. The event is to be pre-approved by the Solid Waste Manager prior to the burn.
Q10	What type of fence will be required?
A10	Fencing, if needed, should be constructed to be adequate to contain any livestock placed on the licensed property. Typically for cattle, a minimum of 5 strand barbed wire with wood or metal post should be used and maintained appropriately to ensure livestock are fully contained. Use of “better” materials is encouraged to ensure proper function and reliability. It is encouraged for the applicant to state the type of fence and materials to be used they propose to provide. If the proposed activities do not require fencing, the applicant should state so in their application.
Q11	Will longer terms than 5 years be accepted?
A11	Yes, longer terms will be considered, but should not exceed 20 years. Please indicate the requested/preferred term length, acreage and use in the proposal submission for the Evaluation Committee’s review.
Attachments:	A2-1 Pre-Solicitation Meeting Sign-in A2-2 Map A2-3 Permit




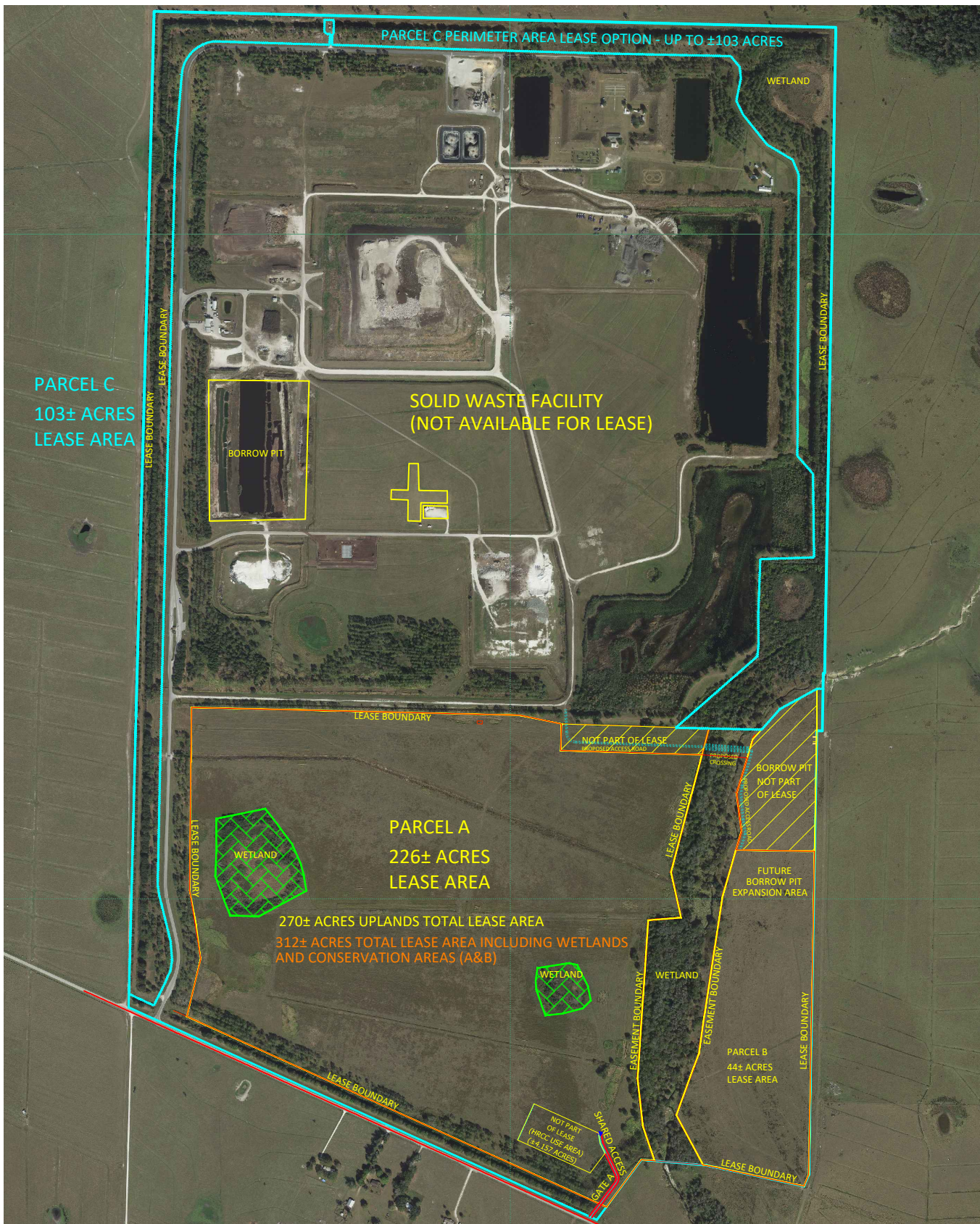
HIGHLANDS COUNTY
 BOARD OF COUNTY COMMISSIONERS
 Purchasing Division

SIGN-IN SHEET

BID #: RFP 22-028-LKD
 TITLE: ITN No: 22-028-LKD Property License for use of Vacant Property: Located at the Arbuckle Landfill, 12700 Arbuckle Creek Road, Sebring, FL 33870
 MEETING TYPE: Pre-Solicitation Meeting
 DATE: Wednesday, April 26, 2023
 TIME: 2:00 PM
 LOCATION: 12700 Arbuckle Creek Road, Sebring FL 33870

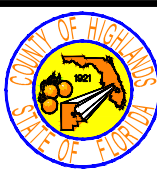
	PRINTED NAME / COMPANY OR AGENCY	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE
1	Clinton Howerton, Jr., P.E. HCBC, Director	863-402-6877	chowerton@hcbcc.org	
2	Robert Diefendorf HCBC Engineering, Project Manager	863-402-6877	rdiefend@hcbcc.org	
3	Ronny Shumard HCBC, Landfill Operation Manager	863 402 7789	rshumard@highlandsfl.gov	
4	Lori DeLoach HCBC, Purchasing Manager	863-402-6504	ldeloach@highlandsfl.gov	
5	Name: Mark Lawrence Firm/Agency: Landfill Manager	863-402-7789	mlawrence@highlandsfl.gov	
6	Name: Fred Hartt Firm/Agency: S.V. Hartt & Son Inc.	863-443-1264	syhartt1939@gmail.com	Fred Hartt
7	Name: Justin Hartt Firm/Agency: J. Hartt & Son, Inc.	(863) 443-1274	jhartt84@aol.com	Justin C. Hartt

	PRINTED NAME / COMPANY OR AGENCY	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE
8	Name: <i>Carey Howerton</i>	<i>863- 634- 5370</i>	<i>Howerton Service LLC @gmail.com</i>	
	Firm/Agency: <i>Howerton Service</i>			
9	Name:			
	Firm/Agency:			
10	Name:			
	Firm/Agency:			
11	Name:			
	Firm/Agency:			
12	Name:			
	Firm/Agency:			
13	Name:			
	Firm/Agency:			
14	Name:			
	Firm/Agency:			
15	Name:			
	Firm/Agency:			
16	Name:			
	Firm/Agency:			
17	Name:			
	Firm/Agency:			
18	Name:			
	Firm/Agency:			



G:\chawerton\DWG\Ar buckle Landfill Lease Area.dwg Lease Whole Site, Howerton Jr, Clinton

**HIGHLANDS COUNTY
SOLID WASTE DEPARTMENT**
505 S. COMMERCE AVENUE
SEBRING, FLORIDA 33870



**ARBUCKLE CREEK ROAD SOLID
WASTE FACILITY**
AGRICULTURE LEASE MAP

SCALE:
HORIZ. 1"=40'
VERT. N/A
DRAWING NO. N/A
REV. 0
DATE: 5/3/2023
SHEET ---- OF 21

APPROVED BY: CLINTON HOWERTON, JR., P.E.
FLORIDA REGISTRATION NO.: 61021

DATE:

DRAWN BY:
XXXX

CHECKED BY:
J.D. LANGFORD, JR., P.E.

IN CHARGE:
J.D. LANGFORD, JR., P.E.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



South Florida Water Management District

P.O. Box 24680 • 3301 Gun Club Road • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 24-06

March 25, 1991

Highlands County
4344 George Blvd.
Sebring, FL 33872

Dear Sir or Madam:

Subject: Application No. 901010-11, Highlands County Solid Waste Management Center, Highlands County, S22/T34S/R30E

Enclosed is a copy of this District's staff report covering the permit application referenced therein. It is requested that you read this staff report thoroughly and understand its contents. The recommendations as stated in the staff report will be presented to our Governing Board for consideration on April 11, 1991.

Should you wish to object to the staff recommendation or file a petition, please provide written objections, petitions and/or waivers (refer to the attached "Notice of Rights") to:

Vern Kaiser, Deputy Clerk
South Florida Water Management District
Post Office Box 24680
West Palm Beach, Florida 33416-4680

The "Notice of Rights" addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. You are advised, however, to be prepared to defend your position regarding the permit application when it is considered by the Governing Board for final agency action, even if you agree with the staff recommendation, as the Governing Board may take final agency action which differs materially from the proposed agency action.

Please contact the District if you have any questions concerning this matter. If we do not hear from you prior to the date on the "Notice of Rights", we will assume you concur with our recommendations.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the addressee and the persons listed in the attached distribution list not later than 5:00 p.m. this 25th day of March 1991, in accordance with Section 120.60 (3), Florida Statutes.

Sincerely,

Jeanne Hall
Jeanne Hall
Director
Regulation Department

RECEIVED

MAR 28 1991

CERTIFIED MAIL #P 390 541 084
RETURN RECEIPT REQUESTED

BOARD OF COUNTY COMMISSIONERS
COUNTY ENGINEER
HIGHLANDS COUNTY, FLORIDA

Governing Board:

James F. Garner, Chairman - Fort Myers
Doran A. Jason, Vice Chairman - Key Biscayne
Arsenio Milian - Miami

Fritz Stein - Belle Glade
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Charles W. Causey - Islamorada

John R. Wodraska, Executive Director
Tilford C. Creel, Deputy Executive Director
Thomas K. MacVicar, Deputy Executive Director



Notice Of Rights

Form #0300
Rev. 11/90

This Notice of Rights is intended to inform the recipient of the administrative and judicial review which may be available as mandated by section 120.60(3), Florida Statutes. Be advised that although this notice is intended to be comprehensive, the review procedures set forth herein have been the subject of judicial construction and interpretation which may affect the administrative or judicial review available. Recipients are therefore advised to become familiar with Chapters 120 and 373, Florida Statutes, and the judicial interpretation of the provisions of these chapters.

1. If a substantially affected person objects to the staff's recommendation, that person has the right to request an administrative hearing on the proposed agency action. The substantially affected person may request either a formal or an informal hearing, as set forth below. Failure to comply with the prescribed time periods shall constitute a waiver of the right to a hearing.
2. If the substantially affected person believes that a genuine issue of material fact is in dispute, that person may request a formal hearing pursuant to section 120.57(1), Florida Statutes, by filing a petition for hearing not later than April 8, 1991. The request for a 120.57(1) formal hearing must comply with the requirements of rule 40E-1.521 Florida Administrative Code, a copy of which is attached. Petitions are deemed filed upon receipt by the District. Failure to substantially comply with the provisions of rule 40E-1.521 Florida Administrative Code shall constitute a waiver of the right to a right to a 120.57(1) hearing.
3. If a substantially affected person believes that no issues of material fact are in dispute, that person may request an informal hearing pursuant to section 120.57(2), Florida Statutes, by filing a petition for hearing not later than April 8, 1991. A request for informal hearing shall be considered as a waiver of the right to request a formal section 120.57(1) hearing. A request for a section 120.57(1) formal hearing not in substantial compliance with the provisions of rule 40E-1.521 Florida Administrative Code, may be considered by the District as a request for informal hearing.
4. Pursuant to section 373.114, Florida Statutes, a party to the proceeding below may seek review of a Final Order rendered on the permit application before the Land and Water Adjudicatory Commission, as provided therein. Review under this section is initiated by filing a request for review with the Land and Water Adjudicatory Commission and serving a copy on the Department of Environmental Regulation and any person named in the Order within 20 days after rendering of the District's Order. However, when the order to be reviewed has statewide or regional significance, as determined by the Land and Water Adjudicatory Commission within 60 days after receipt of a request for review, the commission may accept a request for review from any affected person within 30 days after the rendering of the order. Review under section 373.114, Florida Statutes, is limited solely to a determination of consistency with the provisions and purposes of Chapter 373, Florida Statutes. This review is appellate in nature and limited to the record below.
5. A party who is adversely affected by final agency action on the permit application is entitled to judicial review in the District Court of Appeal pursuant to section 120.68, Florida Statutes, as provided therein. Review under section 120.68, Florida Statutes in the District Court of Appeal is initiated by filing a petition in the appropriate District Court of Appeal in accordance with Florida rule of appellate Procedure 9.110. The Notice of Appeal must be filed within 30 days of the final agency action.
6. Section 373.617(2), Florida Statutes, provides:
Any person substantially affected by a final action of any agency with respect to a permit may seek review within 90 days of the rendering of such decision and request monetary damages and other relief in the circuit court in the judicial circuit in which the affected property is located; however, circuit court review shall be confined solely to determining whether final agency action is an unreasonable exercise of the state's police power constituting a taking without just compensation. Review of final agency action for the purpose of determining whether the action is in accordance with existing statutes or rules and based on component substantial evidence shall proceed in accordance with Chapter 120.
7. Please be advised that exhaustion of administrative remedies is generally a prerequisite to appeal to the District Court of Appeal or the seeking of Circuit Court review of final agency action by the District on the permit application. There are, however, exceptions to the exhaustion requirement. The applicant is advised to consult the case law as to the requirements of exhaustion exceptions.

40E-1.521 Initiation of Formal Proceedings

(1) Initiation of formal proceedings shall be made by petition to the District. The term petition as used herein includes any application or other document which expresses a request for formal proceedings. Each petition should be printed, typewritten or otherwise duplicated in legible form on white paper or standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced and indented.

(2) All petitions filed under these rules shall contain:

- (a) The name and address of the District and the District's file or identification number, if known;
- (b) The name and address of the petitioner or petitioners;
- (c) An explanation of how each petitioner's substantial interests will be affected by the District's determination;
- (d) A statement of when and how petitioner received notice of the District's decision or intent to render a decision;
- (e) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (f) A concise statement of the ultimate facts which petitioner believes entitle petitioner to the relief sought as well as the rules and statutes which support petitioner's claim for relief;
- (g) A demand for the relief to which the petitioner deems himself entitled; and
- (h) Other information which the petitioner contends is material.

(3) Upon receipt of a petition for formal proceedings, the District shall review the petition for the degree of compliance with subsection (2) and shall accept those petitions in substantial compliance therewith which have been timely filed and which state a dispute which is within the jurisdiction of the District to resolve. If accepted, the District shall designate the presiding officer. The District shall promptly give written notice to all parties of the action taken on the petition, and shall state with particularity its reasons therefor.

(4) If the District designates a Hearing Officer assigned by the Division of Administrative Hearings as the presiding officer, the District Clerk shall forward the petition and all materials filed with the District to the Division of Administrative Hearings, and shall notify all parties of its action.

Specific Authority 373.044, 373.113 F.S.

Law Implemented 120.53(1), 120.57 F.S.

History --- New 9-3-81.

Formerly 16K-1.09(1), 16K-1.112(1) through (3), 16K-1.12

Last Date for Governing Board
May 9, 1991

DRAFT
Subject to Governing
Board Approval

SURFACE WATER MANAGEMENT EVALUATION

APPLICATION NUMBER 901010-11

PROJECT NAME: Highlands County Solid Waste Management Center

LOCATION: Highlands County

SECTION 22, TOWNSHIP 34 SOUTH, RANGE 30 EAST

PROJECT AREA 989.7 ACRES DRAINAGE AREA 630.0 ACRES

APPLICATION

PURPOSE

This application is a request for a construction and operation permit for a surface water management system to serve the new 630 acre Highlands County Class I Landfill. The site is located approximately 6.5 miles east of Sebring on County Road 700A. The project as proposed will have the recycling center for Highlands County, the yard waste composting facility, the temporary storage facility for white goods, an area for temporary tire storage and 160 acres for solid waste.

FACILITIES:

1. EXISTING: The site is an improved pasture which has been used in the past as a cattle ranch. The site contains numerous ditches with culverts designed by the U.S. Soil Conservation Service. An April 2, 1990 site inspection revealed some minor earth work consisting of some borrow canals and stock piling of sand along the southern perimeter of the site adjacent to Arbuckle Creek Rd. This work has been incorporated into the existing plans as the perimeter berm and borrow canal. All runoff from the site discharges to Arbuckle Branch, a tributary to Arbuckle Creek, which flows through the southeastern portion of the site. The site's topography ranges in elevations from 57.3' NGVD to 71.48' NGVD and has an estimated average wet season water table elevation of 62.0' NGVD.

2. PROPOSED: Highlands County submitted an application on October 10, 1990 to obtain authorization for construction and operation of a surface water management system to serve their new 630 acre Class I landfill. The applicant owns 359.7 acres in section 27, but there are no proposed plans for this area at this time. Any future construction within section 27 will require submittal of drainage plans for District review and permit modification. The proposed site will have 160 acres of potential landfill area for solid waste disposal, although in this phase of the project, only Cell 1 (18.4 acres) is proposed for development. Stormwater runoff from cell 1 will be directed to a 15' dry swale that runs around cell 1 and future cell 3. This swale will be sodded and sloped gently toward the east, so runoff can overflow the swale and then either sheetflow or flow through existing grassed swales and eventually enter the 35.0 acre

wetland/detention pond. The proposed landfill cells will be constructed with 3:1 side slopes. In order to avoid any possible problems with erosion, a 10' wide terrace with a sloped swale and 2-18" cmp culverts will be constructed approximately at elevation 107.0' NGVD (see exhibits 9 & 10). Runoff from the remainder of the site will be directed to the wetland/detention pond by entering road side swales or overland flow. Stormwater discharge from the wetland/detention area will be through 1-10' wide weir with a crest elevation of 59.83' NGVD and 1-139.9 degree v-notch bleeder with the invert set at elevation 58.0' NGVD. The wetland/detention area discharges to Arbuckle Branch via an 1100' long X 30' wide spreader swale.

APPLICABLE LAND USE

	<u>TOTAL PROJECT</u>	<u>THIS PHASE</u>
Water Management	<u>35.00 AC</u>	<u>35.00 AC</u>
Leachate Pond	<u>19.55 AC</u>	<u>9.55 AC</u>
Impervious		
-Buildings	<u>0.75 AC</u>	<u>0.75 AC</u>
-Roads	<u>12.00 AC</u>	<u>12.00 AC</u>
-Solid Waste Cells	<u>160.00 AC</u>	<u>18.40 AC</u>
-Tire/white good storage	<u>4.14 AC</u>	<u>4.14 AC</u>
-Yard trash storage	<u>2.75 AC</u>	<u>2.75 AC</u>
Pervious	<u>748.28 AC</u>	
Borrow Area	<u>7.23 AC</u>	<u>7.23 AC</u>

EVALUATION

- A. **Drainage:** Runoff routing calculations show that the peak stage for the 25-year 72-hour storm will be at elevation 62.0' NGVD with a peak discharge of 172 cfs from the 630 acres proposed for development. A perimeter berm with a minimum elevation of 64.0' NGVD will prevent discharge offsite except through the permitted control structure. All historical off-site runoff into the property will be diverted around the site by a 20' wide perimeter ditch. This ditch will also extend along the west and south property boundaries of section 27.

WATER QUALITY:

- A. **AVERSE IMPACTS EXPECTED:** No

B. **BEST MANAGEMENT PRACTICES UTILIZED:** The 35.0 acre wetland/detention area will provide wet detention for the runoff generated by 1" times the developed site. The District's dry-pretreatment requirement will be met by directing all runoff through dry swales and overland flow across the existing pasture land prior to entering the detention area. The double liner and leachate collection system proposed for cell 1 and all future cells will be constructed to comply with the DER Chapter 17.701 FAC. The proposed liner system will have a double liner system consisting of clean sands, compacted clay, 2-60 Mil HDPE liners, a leachate collection and detection system. Leachate will be pumped from the leachate collection system into a 19.55 acre evaporation pond.

ENVIRONMENTAL:

This project contains 989 acres of pasture and supports 14 wetland systems totaling 51.16 acres. These wetland systems include freshwater marsh habitats characterized by rushes, pickerelweed, maidencane, smartweed and forested wetland systems which support bays, willows and laurel oaks. A detailed description of each wetland is included in the permit file. Approximately 25 acres of this project is Arbuckle Branch, a tributary to Arbuckle Creek which flows to Lake Istokpoga. Described as wetland "N" in the application submittal, the channel of Arbuckle Branch has been historically dredged to provide a larger flow capacity. The surrounding marsh and hardwood swamps exhibit evidence of reduced hydroperiods. The swamp canopy is dominated by water tupelo, laurel oak, red maple, sweet bay, and swamp bay. Buttonbush, dahoon holly and wax myrtle exist in the understory. The herbaceous layer is typical freshwater marsh vegetation dominated by pickerelweed, smartweed and maidencane.

As conceptually proposed, the ultimate build out of the Highlands County Solid Waste Management Facility will impact 8.2 acres of freshwater marsh and forested wetlands. Authorization for construction of the first phase, 82.6 acres consisting of cells 1 and 3, includes impacts to wetland "E". Wetland "E" is 0.48 acres in size and based on Appendix 7, destruction of wetland habitat less than 0.5 acres will not be reviewed for impacts and does not require mitigation unless utilized by endangered, threatened, or species of special concern. The remaining 7.72 acres of wetland impacts will occur throughout future phases (see exhibits 13 & 14). These impacts include the proposed destruction of wetlands B, C, F, G, H, J, M, and 1.1 acres of wetland N, Arbuckle Branch, for an access road. The project as proposed will preserve 42.96 acres of freshwater marsh and forested wetlands.

To offset the 7.72 acres of future impacts, the applicant will create a total of 17.88 acres, including 11.0 acres of herbaceous marsh and 6.88 acres of forested wetland habitat within the proposed 35 acre detention basin (see exhibits 6 & 7). A planting design and monitoring program will be initiated as described in exhibit 11. The five year monitoring program will include data from vegetation transects, panoramic photographs, weekly water level readings from a staff gauge and rainfall levels to be submitted for District staff review on an annual basis. A work schedule, shown in exhibit 12, indicates the construction of the detention/mitigation area will begin in May of 1992.

PRIMARY ISSUES RESOLVED: Wetland Impacts & Wetland Mitigation

SECONDARY ISSUES: None

APPLICATION NO. 901010-11
PROJECT: Highlands Co. Solid Waste Management Center
COUNTY: Highlands

The Staff recommends that the following be issued:

- Authorization for Construction and Operations of a surface water management system to serve the new 630 acre Highlands Co. landfill discharging to Arbuckle Creek via Arbuckle Branch.

Based on the information provided, District rules have been adhered to.

Staff recommendation is for approval subject to the attached Standard Limiting and Special Conditions.

NATURAL RESOURCE MANAGEMENT
DIVISION APPROVAL

TECHNICAL: James J. Marshall APPLICATION REVIEWER: James J. Marshall SUPERVISOR/CHECKER: Steven D. Anderson
 WATER QUALITY: James J. Marshall SUPERVISOR/CHECKER: Steven D. Anderson
 SECTION SUPERVISOR: Steven D. Anderson DATE: 3/12/91

ENVIRONMENTAL: Virginia A. Sinn APPLICATION REVIEWER: Virginia A. Sinn SUPERVISOR/CHECKER: Deborah Goss
 DIVISION DIRECTOR: Stuart Bradow DATE: 3/21/91
 DIVISION DIRECTOR: Stuart Bradow

SURFACE WATER MANAGEMENT
DIVISION APPROVAL

ASST DIVISION DIRECTOR: Anthony M. Waterhouse, P.E. DATE: 3/22/91
 ASST DIVISION DIRECTOR: Anthony M. Waterhouse, P.E.

DRAFT
Subject to Governing
Board Approval

SPECIAL CONDITIONS

1. ALL FACILITIES SHALL MEET FDER REQUIREMENTS
2. MINIMUM ROAD CROWN ELEVATION 64.0 FEET NGVD.
3. DISCHARGE FACILITIES:

DESCRIPTION: 1-10' WIDE WEIR WITH THE CRESTS SET AT ELEVATION 59.83' NGVD, 139.9 DEGREE V-NOTCH BLEEDER WITH AN INVERT ELEVATION OF 58.0' NGVD.

RECEIVING WATER: ARBUCKLE BRANCH.

CONTROL ELEVATION: 58.0 FEET NGVD.

4. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION OR SHOALING PROBLEMS THAT RESULT FROM THE CONSTRUCTION OR OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM.
5. MEASURES SHALL BE TAKEN DURING CONSTRUCTION TO INSURE THAT SEDIMENTATION AND/OR TURBIDITY PROBLEMS ARE NOT CREATED IN THE RECEIVING WATER.
6. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION OR OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM.
7. THE DISTRICT RESERVES THE RIGHT TO REQUIRE THAT WATER QUALITY TREATMENT METHODS BE INCORPORATED INTO THE DRAINAGE SYSTEM IF SUCH MEASURES ARE SHOWN TO BE NECESSARY.
8. OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM SHALL BE THE RESPONSIBILITY OF HIGHLANDS COUNTY.
9. IN COORDINATION WITH THE FDER MONITORING PROGRAM, QUARTERLY WATER QUALITY SAMPLES SHALL BE TAKEN AT THE OUTFALL STRUCTURE DURING PERIODS OF DISCHARGE. FLOW SHALL BE MEASURED AT THE STRUCTURE AT THE TIME OF SAMPLE COLLECTION AND THE SURFACE ELEVATION OF THE WATER BODY SHALL BE PROVIDED. A LABORATORY CERTIFIED BY THE STATE OF FLORIDA SHALL BE RESPONSIBLE FOR ALL WATER QUALITY SAMPLING AND ANALYSES. REPORTS, INCLUDING THE PERMIT NUMBER, SHALL BE SUBMITTED TO THIS DISTRICT ON A QUARTERLY BASIS. INITIAL SAMPLING RESULTS SHALL BE REPORTED TO THIS DISTRICT NO LATER THAN THREE MONTHS FOLLOWING THE ISSUANCE OF THIS PERMIT. IF WATER QUALITY PROBLEMS DEVELOP, THE DISTRICT RESERVES THE RIGHT TO REQUIRE MORE FREQUENT SAMPLING AND MORE THOROUGH ANALYSES. THE SAMPLES SHALL BE ANALYZED FOR THE FOLLOWING PARAMETERS:

pH
NITRATE/NITRITE (AS N)
TOTAL SUSPENDED SOLIDS
IRON

SPECIFIC CONDUCTANCE
AMMONIA (AS N)
SULFATE
CHLORIDE

SPECIAL CONDITIONS CONTINUED

TOTAL PHOSPHATE
 COD
 LEAD
 CHROMIUM
 ARSENIC
 ALUMINUM

TOTAL COLIFORM
 FECAL COLIFORM
 ZINC
 CADMIUM
 MERCURY
 TOTAL ORGANIC CARBON

10. ALL GROUND WATER DATA SUBMITTED TO FDER SHALL ALSO BE SUBMITTED TO THIS DISTRICT.
11. LEACHATE AS DEFINED IN CHAPTER 17-701, FAC SHALL NOT ENTER AND/OR MIX WITH STORM WATER. STORM WATER CONTAINING LEACHATE SHALL BE TREATED AND DISPOSED OF AS LEACHATE.
12. A WETLAND MITIGATION PROGRAM SHALL BE IMPLEMENTED IN ACCORDANCE WITH EXHIBITS 7 AND 11 . THE PERMITTEE SHALL CREATE 11.0 ACRES OF HERBACEOUS MARSH AND 6.88 ACRES OF FORESTED WETLAND HABITATS, FOR A TOTAL OF 17.88 ACRES, IN THE DETENTION BASIN. AT THE END OF THE FIVE YEAR MONITORING PROGRAM FORESTED WETLAND SPECIES SHALL HAVE A SURVIVAL RATE OF 80% AND THE 11.0 ACRES OF MARSH SHALL BE COVERED BY 80% OF DESIRABLE MARSH WETLAND SPECIES.
13. A WETLAND MONITORING PROGRAM SHALL BE INITIATED WITHIN THE CREATED WETLANDS IN THE DETENTION AREA. MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 11 AND SHALL INCLUDE ANNUAL REPORTS SUBMITTED TO THE DISTRICT FOR REVIEW. MONITORING SHALL CONTINUE FOR A PERIOD OF FIVE YEARS. IN AUGUST OF 1992, BASELINE WETLAND MONITORING SHALL BE PERFORMED AND DATA SUBMITTED TO THE DISTRICT FOR REVIEW. THE INITIAL MONITORING SHOULD BE CONDUCTED IN NOVEMBER OF 1993 AND SUBMITTED EACH NOVEMBER ON AN ANNUAL BASIS.
14. PRIOR TO THE SUBMITTAL OF THE THIRD MONITORING REPORT OR NOVEMBER 30, 1995, A FIELD INSPECTION BY DISTRICT ENVIRONMENTAL STAFF SHALL BE ARRANGED TO DETERMINE IF THE REQUIRED CREATION OF FORESTED AND MARSH WETLANDS IN THE DETENTION/ MITIGATION AREA IS PROGRESSING SATISFACTORILY. SATISFACTORY CONDITIONS INCLUDE AN 80% SURVIVAL RATE BY FORESTED WETLAND SPECIES AND A 70% COVERAGE BY MARSH DESIRABLE WETLAND SPECIES BY NOVEMBER 30, 1995. THE DISTRICT RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE TAKEN SHOULD PROPOSED MITIGATION BE DEFICIENT.
15. THE DISTRICT RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE TAKEN BY THE PERMITTEE IF WETLAND MONITORING OR OTHER INFORMATION DEMONSTRATES THAT ADVERSE IMPACTS TO PROTECTED, CONSERVED, INCORPORATED OR MITIGATED WETLANDS HAVE OCCURRED DUE TO PROJECT RELATED ACTIVITIES.
16. A REGULAR MAINTENANCE PROGRAM SHALL BE IMPLEMENTED IN ACCORDANCE WITH EXHIBIT 12, BY NOVEMBER 30, 1991 TO REMOVE ANY MELALEUCA, BRAZILIAN PEPPER OR CATTAIL WHICH MAY BECOME ESTABLISHED IN THE CREATED OR PRESERVED WETLANDS. MAINTENANCE SHALL INCLUDE REMOVAL OF EXOTIC AND NUISANCE VEGETATION AND A GUARANTEED SURVIVAL RATE OF 80% OF DESIRABLE WETLAND SPECIES. MAINTENANCE ACTIVITIES SHALL BE REPORTED AS A SECTION OF THE ANNUAL MONITORING REPORT.

*date wrong
 probably mean 1992 or 1993*

date wrong

SPECIAL CONDITIONS CONTINUED

17. WETLANDS AND BUFFER ZONES SHALL BE DEDICATED FOR CONSERVATION AND DECLARED COMMON AREAS. THESE RESTRICTIONS FOR USE OF THE CONSERVATION AREAS SHALL STIPULATE:

THE CONSERVATION AREAS ARE HEREBY DECLARED COMMON AREAS, THEY SHALL BE THE PERPETUAL RESPONSIBILITY OF HIGHLANDS COUNTY AND MAY IN NO WAY BE ALTERED FROM THEIR NATURAL STATE. ACTIVITIES PROHIBITED WITHIN THE CONSERVATION AREAS INCLUDE, BUT ARE NOT LIMITED TO: CONSTRUCTION OR PLACING OF BUILDINGS ON OR ABOVE THE GROUND; DUMPING OR PLACING SOIL OR OTHER SUBSTANCES SUCH AS TRASH; REMOVAL OR DESTRUCTION OF TREES, SHRUBS, OR OTHER VEGETATION - WITH THE EXCEPTION OF EXOTIC VEGETATION REMOVAL; EXCAVATION, DREDGING, OR REMOVAL OF SOIL MATERIAL; DIKING OR FENCING; AND ANY OTHER ACTIVITIES DETRIMENTAL TO DRAINAGE, FLOOD CONTROL, WATER CONSERVATION, EROSION CONTROL, OR FISH AND WILDLIFE HABITAT CONSERVATION OR PRESERVATION.

RECORDED COPIES OF SUCH DOCUMENTS SHALL BE SUBMITTED WHEN AVAILABLE, TO BE INCLUDED IN THE PERMIT FILE.

18. PRIOR TO CONSTRUCTION, THE PERMITTEE SHALL FIELD STAKE AND ROPE OFF THE PROTECTED WETLANDS, INCLUDING MINIMUM 25 FOOT WIDE BUFFER ZONES. THE STAKING AND/OR ROPING SHALL REMAIN IN PLACE UNTIL SURROUNDING IMPROVEMENTS HAVE BEEN COMPLETELY CONSTRUCTED TO PREVENT ANY ENCROACHMENT INTO THE CONSERVATION AREAS.
19. ANY FUTURE CHANGES IN LAND USE OR TREATMENT OF PROTECTED OR CREATED WETLANDS SHALL REQUIRE ADDITIONAL ENVIRONMENTAL REVIEW BY DISTRICT STAFF.
20. WETLAND MITIGATION, MONITORING AND MAINTENANCE SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE WORK SCHEDULE IN EXHIBIT 12. ANY DEVIATION FROM THESE TIME FRAMES SHALL REQUIRE FORMAL DISTRICT APPROVAL. SUCH REQUESTS MUST BE MADE IN WRITING AND SHALL INCLUDE (1) REASON FOR THE MODIFICATION; (2) PROPOSED START/FINISH DATES; AND (3) PROGRESS REPORT ON THE STATUS OF THE EXISTING MITIGATION EFFORTS.

25' Buffer zones around wetlands

ACTIVITY	COMPLETION DATE
EXCAVATION OF WETLAND CREATION AREA	JANUARY 30, 1992
PLANTING FORESTED WETLAND AREA	MARCH 30, 1992
PLANTING HERBACEOUS MARSH AREA	MAY 30, 1992
BASELINE MONITORING REPORT	AUGUST 30, 1992
FIRST MONITORING REPORT	NOVEMBER 30, 1993
SECOND ANNUAL MONITORING REPORT	NOVEMBER 30, 1994
ENVIRONMENTAL STAFF INSPECTION	NOVEMBER 30, 1995
THIRD ANNUAL MONITORING REPORT	NOVEMBER 30, 1995
FOURTH ANNUAL MONITORING REPORT	NOVEMBER 30, 1996
FINAL MONITORING REPORT	NOVEMBER 30, 1997

21. AT LEAST 30 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE SFWMD FIELD ENGINEERING DIVISION SHALL BE NOTIFIED BY THE PERMITTEE OR PROJECT ENGINEER OF THE CONSTRUCTION START DATE.

SPECIAL CONDITONS CONTINUED

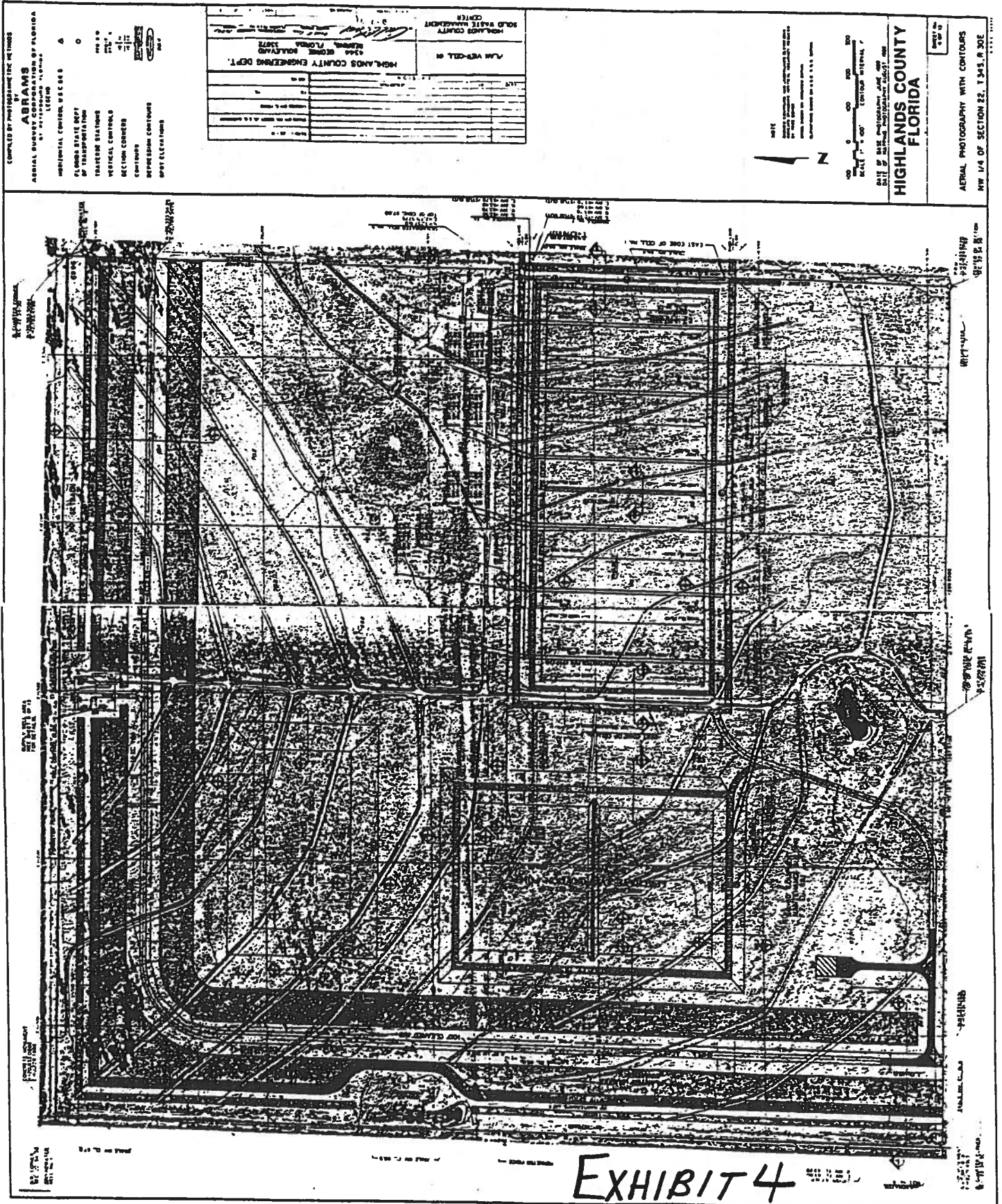
22. CONSTRUCTION STATUS REPORTS SHALL BE SUBMITTED TO THE SFWMD FIELD ENGINEERING DIVISION ON AN ANNUAL BASIS BEGINNING WITH THE INITIAL COMMENCEMENT OF CONSTRUCTION DATE.
23. THE PERMITTEE IS RESPONSIBLE FOR COMPLYING WITH THE LOCAL COMPREHENSIVE PLAN, ZONING AND SUBDIVISION REQUIREMENTS. ISSUANCE OF THIS PERMIT DOES NOT REPRESENT THAT THE PERMITTED PROJECT IS COMPATIBLE WITH LOCAL LAND USE REQUIREMENTS. ANY CHANGE IN THE PERMITTED PROJECT IN ORDER TO COMPLY WITH LOCAL LAND USE REQUIREMENTS, WHICH IMPACTS THE SURFACE WATER MANAGEMENT SYSTEM DESIGN WILL REQUIRE MODIFICATION OF THIS PERMIT.
24. WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION, THE PERMITTEE OR THE PROJECT ENGINEER SHALL NOTIFY THE SFWMD FIELD ENGINEERING DIVISION OF THAT COMPLETION DATE. THIS NOTIFICATION SHALL INCLUDE CERTIFICATION INFORMATION AS REQUIRED BY STANDARD LIMITING CONDITION NUMBER 4. SUCH NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, CERTIFICATION OF CONSTRUCTION COMPLETION OF THE SURFACE WATER MANAGEMENT SYSTEM BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER AND AS BUILT DRAWINGS OF THE SITE WHICH SHALL INCLUDE ELEVATIONS, LOCATIONS AND DIMENSIONS OF COMPONENTS OF THE SURFACE WATER MANAGEMENT SYSTEM.

THE OPERATION PHASE OF THIS PERMIT SHALL NOT BECOME EFFECTIVE UNTIL A FLORIDA REGISTERED PROFESSIONAL ENGINEER CERTIFIES THAT ALL FACILITIES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN APPROVED BY THE DISTRICT. WITHIN 30 DAYS AFTER COMPLETION OF CONSTRUCTION OF THE SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE SHALL SUBMIT THE CERTIFICATION AND NOTIFY THE DISTRICT THAT THE FACILITIES ARE READY FOR INSPECTION AND APPROVAL. UPON APPROVAL OF THE COMPLETED SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE SHALL REQUEST TRANSFER OF THE PERMIT TO THE RESPONSIBLE ENTITY APPROVED BY THE DISTRICT.

25. PRIOR TO CONSTRUCTION OF FUTURE SOLID WASTE CELLS, PAVING, GRADING AND DRAINAGE PLANS SHALL BE SUBMITTED TO THIS DISTRICT FOR REVIEW AND APPROVAL
26. ANY MODIFICATIONS TO THE SURFACE WATER MANAGEMENT SYSTEM WILL REQUIRE A MODIFICATION TO THIS PERMIT.
27. PRIOR TO THE CLOSURE OF EACH LANDFILL CELL, A MODIFICATION TO THE PERMIT SHALL BE SUBMITTED.

LIMITING CONDITIONS

1. THE PERMITTEE SHALL PROSECUTE THE WORK AUTHORIZED IN A MANNER SO AS TO MINIMIZE ANY ADVERSE IMPACT OF THE WORKS ON FISH, WILDLIFE, NATURAL ENVIRONMENTAL VALUES, AND WATER QUALITY. THE PERMITTEE SHALL INSTITUTE NECESSARY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES, TO REDUCE EROSION, TURBIDITY, NUTRIENT LOADING AND SEDIMENTATION IN THE RECEIVING WATERS.
2. WATER QUALITY DATA FOR THE WATER DISCHARGED FROM THE PERMITTEE'S PROPERTY OR INTO SURFACE WATERS OF THE STATE SHALL BE SUBMITTED TO THE DISTRICT AS REQUIRED. PARAMETERS TO BE MONITORED MAY INCLUDE THOSE LISTED IN CHAPTER 17-3. IF WATER QUALITY DATA IS 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 DISCHARGES FROM THE PROPERTY OR INTO THE SURFACE WATERS OF THE STATE.
3. THE PERMITTEE SHALL COMPLY WITH ALL APPLICABLE LOCAL SUBDIVISION REGULATIONS AND OTHER LOCAL REQUIREMENTS. IN ADDITION, THE PERMITTEE SHALL OBTAIN ALL NECESSARY FEDERAL, STATE, LOCAL AND SPECIAL DISTRICT AUTHORIZATIONS PRIOR TO THE START OF ANY CONSTRUCTION OR ALTERATION ON WORKS AUTHORIZED BY THIS PERMIT.
4. THE OPERATION PHASE OF THIS PERMIT SHALL NOT BECOME EFFECTIVE UNTIL A FLORIDA REGISTERED PROFESSIONAL ENGINEER CERTIFIES THAT ALL FACILITIES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN APPROVED BY THE DISTRICT. WITHIN 30 DAYS AFTER COMPLETION OF CONSTRUCTION OF THE SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE SHALL SUBMIT THE CERTIFICATION AND NOTIFY THE DISTRICT THAT THE FACILITIES ARE READY FOR INSPECTION AND APPROVAL. UPON APPROVAL OF THE COMPLETED SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE SHALL REQUEST TRANSFER OF THE PERMIT TO THE RESPONSIBLE ENTITY APPROVED BY THE DISTRICT.
5. ALL ROADS SHALL BE SET AT OR ABOVE ELEVATIONS REQUIRED BY THE APPLICABLE LOCAL GOVERNMENT FLOOD CRITERIA.
6. ALL BUILDING FLOORS SHALL BE SET AT OR ABOVE ELEVATIONS ACCEPTABLE TO THE APPLICABLE LOCAL GOVERNMENT.
7. OFF-SITE DISCHARGES DURING CONSTRUCTION AND DEVELOPMENT SHALL BE MADE ONLY THROUGH THE FACILITIES AUTHORIZED BY THIS PERMIT. ~~NO ROADWAY OR BUILDING CONSTRUCTION SHALL COMMENCE ON-SITE UNTIL COMPLETION OF THE PERMITTED DISCHARGE STRUCTURE AND DETENTION AREAS.~~ WATER DISCHARGED FROM THE PROJECT SHALL BE THROUGH STRUCTURES HAVING A MECHANISM SUITABLE FOR REGULATING UPSTREAM WATER STAGES. STAGES MAY BE SUBJECT TO OPERATING SCHEDULES SATISFACTORY TO THE DISTRICT.
8. NO CONSTRUCTION AUTHORIZED HEREIN SHALL COMMENCE UNTIL A RESPONSIBLE ENTITY ACCEPTABLE TO THE DISTRICT HAS BEEN ESTABLISHED AND HAS AGREED TO OPERATE AND MAINTAIN THE SYSTEM. THE ENTITY MUST BE PROVIDED WITH SUFFICIENT OWNERSHIP SO THAT IT HAS CONTROL OVER ALL WATER MANAGEMENT FACILITIES AUTHORIZED HEREIN. UPON RECEIPT OF WRITTEN EVIDENCE OF THE SATISFACTION OF THIS CONDITION, THE DISTRICT WILL ISSUE AN AUTHORIZATION TO COMMENCE CONSTRUCTION.
9. THE PERMIT DOES NOT CONVEY TO THE PERMITTEE ANY PROPERTY RIGHT NOR ANY RIGHTS OR PRIVILEGES OTHER THAN THOSE SPECIFIED IN THE PERMIT AND CHAPTER 40E-4, FAC.
10. THE PERMITTEE SHALL HOLD AND SAVE THE DISTRICT HARMLESS FROM ANY AND ALL DAMAGES, CLAIMS, OR LIABILITIES WHICH MAY ARISE BY REASON OF THE CONSTRUCTION, OPERATION, MAINTENANCE OR USE OF ANY FACILITY AUTHORIZED BY THE PERMIT.
11. THIS PERMIT IS ISSUED BASED ON THE APPLICANTS SUBMITTED INFORMATION WHICH REASONABLY DEMONSTRATES THAT ADVERSE OFF-SITE WATER RESOURCE RELATED IMPACTS WILL NOT BE CAUSED BY THE COMPLETED PERMIT ACTIVITY. IT IS ALSO THE RESPONSIBILITY OF THE PERMITTEE TO INSURE THAT ADVERSE OFF-SITE WATER RESOURCE RELATED IMPACTS DO NOT OCCUR DURING CONSTRUCTION.
12. PRIOR TO DEWATERING, PLANS SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL. INFORMATION SHALL INCLUDE AS A MINIMUM: PUMP SIZES, LOCATIONS AND HOURS OF OPERATION FOR EACH PUMP. IF OFF-SITE DISCHARGE IS PROPOSED, OR OFF-SITE ADVERSE IMPACTS ARE EVIDENT, AN INDIVIDUAL WATER USE PERMIT MAY BE REQUIRED. THE PERMITTEE IS CAUTIONED THAT SEVERAL MONTHS MAY BE REQUIRED FOR CONSIDERATION OF THE WATER USE PERMIT APPLICATION.



COMPILED BY PHOTOGRAMMETRIC METHODS
ABRAMS
 AERIAL SURVEY CORPORATION OF FLORIDA
 5111 W. UNIVERSITY BLVD., SUITE 100
 TAMPA, FLORIDA 33609
 LICENSE NO. 12345
 PROFESSIONAL SEAL

FLORIDA STATE DEPT. OF TRANSPORTATION
 TRAILER STATIONS
 VERTICAL CURVES
 SECTION CORNERS
 CONTIGUOUS
 DEPRESSION CONTIGUOUS
 SPOT ELEVATIONS

DATE	11/15/2011
PROJECT NO.	11-1111
SCALE	AS SHOWN
BY	J. ABRAMS
CHECKED BY	J. ABRAMS
APPROVED BY	J. ABRAMS
DATE	11/15/2011

PLM VER-CELL IN
 HIGHLANDS COUNTY ENGINEERING DEPT.
 1500 GORING HIGHLANDS
 SEVEN PALMS, FLORIDA 34917
 888-888-8888

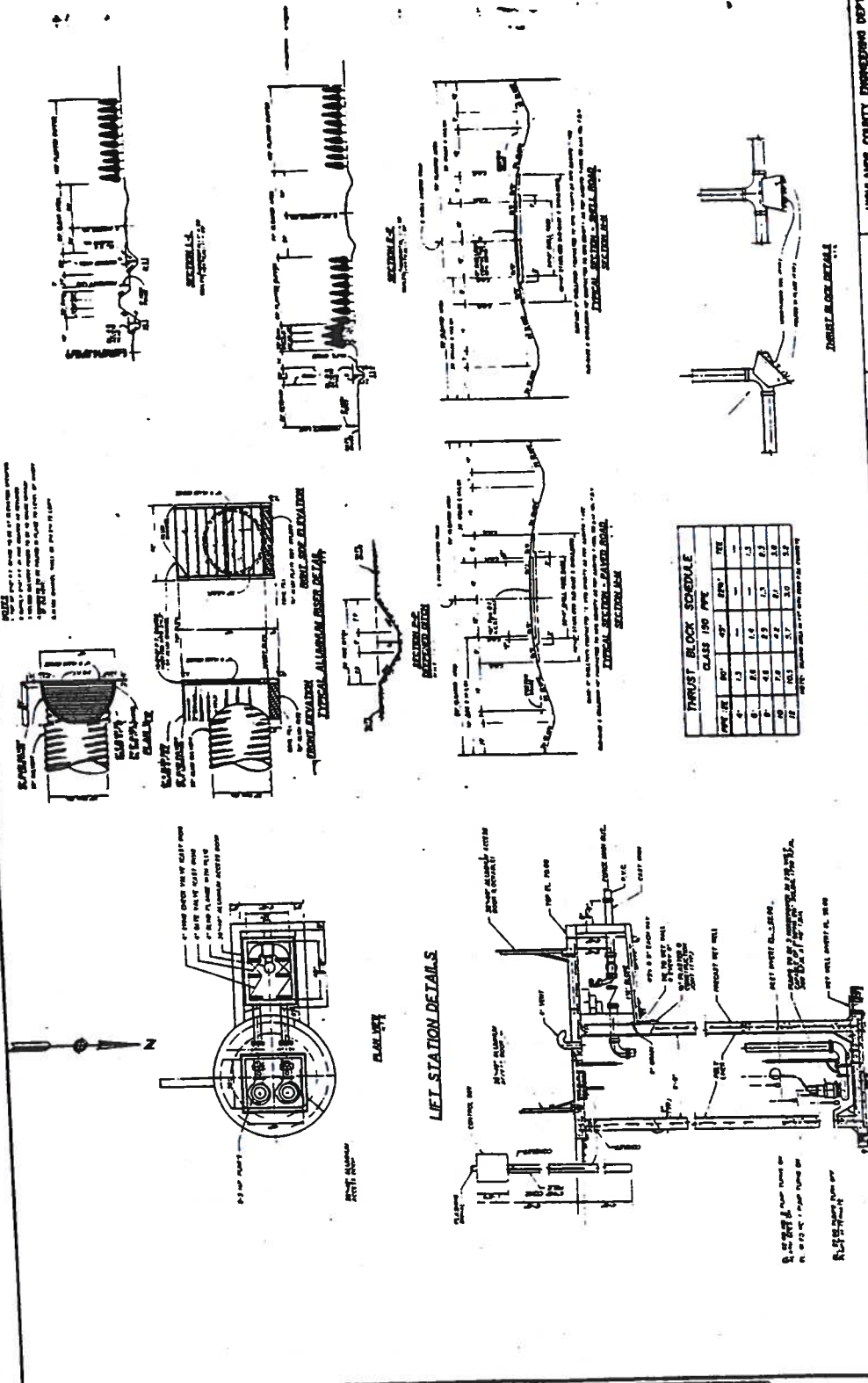
HIGHLANDS COUNTY
 FLORIDA

AERIAL PHOTOGRAPHY WITH CONTOURS
 NW 1/4 OF SECTION 22, T.34S, R.30E

SCALE 1" = 400' CONTIGUOUS INTERVAL 1'

DATE 11/15/2011
 BY J. ABRAMS
 CHECKED BY J. ABRAMS
 APPROVED BY J. ABRAMS

EXHIBIT 4



THURST BLOCK SCHEDULE

PIPE SIZE	WT.	SP.	HT.
4"	2.5	—	—
6"	3.5	1.4	—
8"	4.5	2.5	—
10"	5.5	3.5	—
12"	6.5	4.5	—

TYPICAL SECTION - BELL WIRE

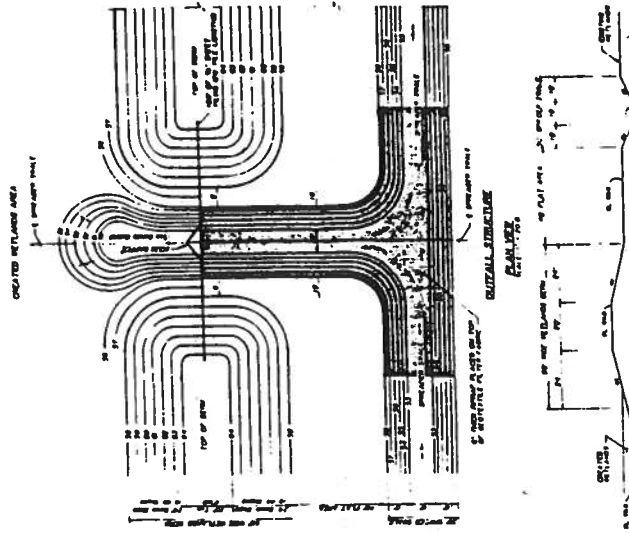
HIGH JACOBS COUNTY ENGINEERING DEPT.
 4344 NORTH BULLOCKS
 SEBING, FLORIDA 32771
 DATE: 11/11/77
 DRAWN BY: J.E.

HIGH JACOBS COUNTY
 SOLD TO: J.E.

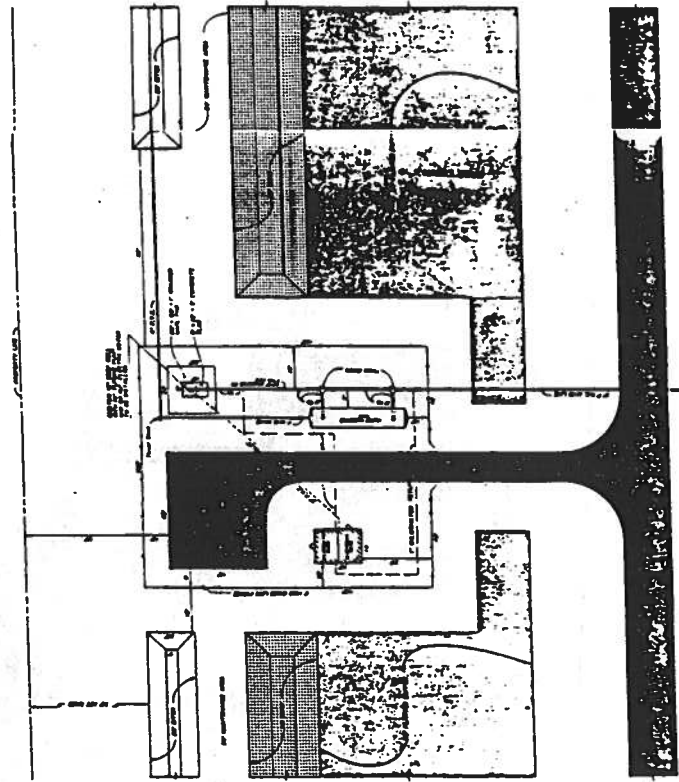
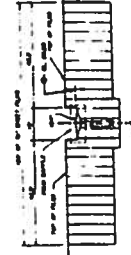
DETAILS & SECTIONS
 HIGH JACOBS COUNTY
 SOLD TO: J.E.

118	119	120	121	122
123	124	125	126	127

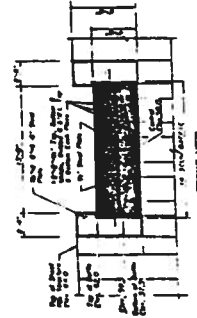
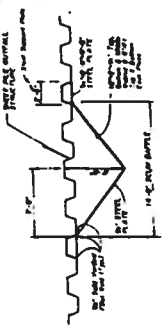
EXHIBIT 5



RECTANGULAR STRUCTURE
SECTION A-A
CONCRETE CURB



RECTANGULAR STRUCTURE
SECTION B-B
CONCRETE CURB

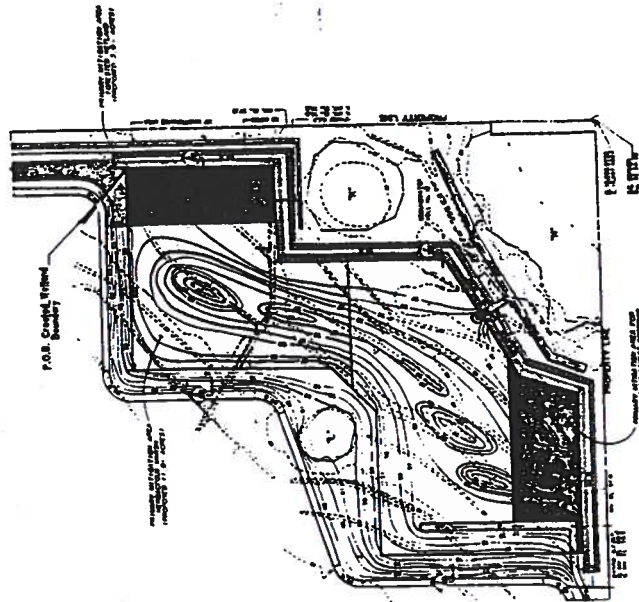
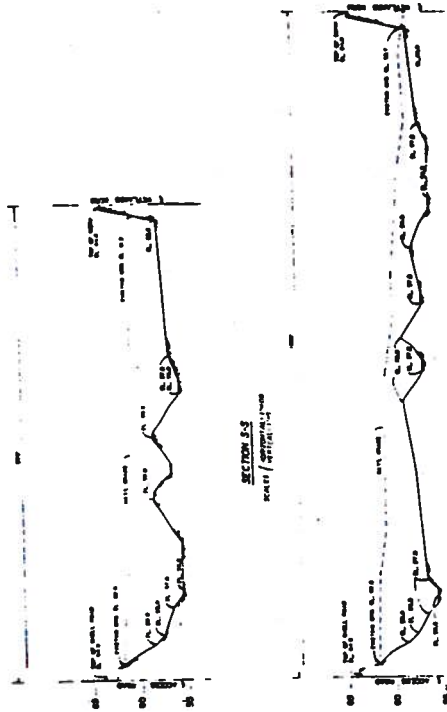


RECTANGULAR STRUCTURE
SECTION C-C
CONCRETE CURB

HIGHLANDS COUNTY ENGINEERING DEPT. 1000 S. W. 11th Ave. Ft. Lauderdale, FL 33304	
DETAILS SECTION HIGHLANDS COUNTY SOLD OFFICE/ENGINEER CENTER	HIGHLANDS COUNTY ENGINEERING DEPT. 1000 S. W. 11th Ave. Ft. Lauderdale, FL 33304
SHEET NO. 1 OF 1	DATE: 11/11/11

PLAN 11/11/11

EXHIBIT 6



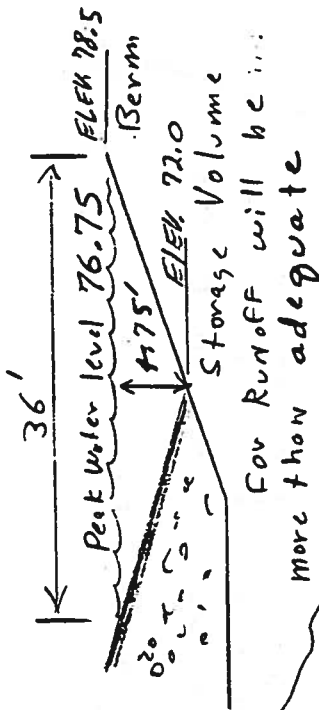
DATE	10/1/00
BY	W. J. ...
CHECKED	...
SCALE	AS SHOWN

EXHIBIT 7

HIGHLANDS COUNTY ENGINEERING DEPT. 4344 US HIGHWAY 90 SEBING, FLORIDA 32177	
WETLANDS DETAILS & SECTIONS HIGHLANDS COUNTY SOIL & WATER MANAGEMENT DIVISION	
PROJECT NO. DATE OF ISSUE DATE OF REVISION	SHEET NO. TOTAL SHEETS

MODIFIED CELL NO #1 COVER PLAN

(NOT TO SCALE)



Top to be Mulched + Seeded
Initial Daily Cover 6" of sand

Runoff will be stopped from flowing over the Berm here. It will percolate rapidly through the sand cover down to the leachate collection pipes

TOP OF Perimeter Berm
Elevation of liner will be above peak water level elevation

2' Layer of Clean Sand
sand Perm $1 \times 10^{-3} \frac{cm}{sec}$ or greater.

8' Layer of Garbage. Initial layer to be started inside the perimeter berm to prevent any runoff from the working face from flowing over the perimeter berm. The daily cover will prevent most runoff from coming into contact with the garbage

2' OF Clean Sand

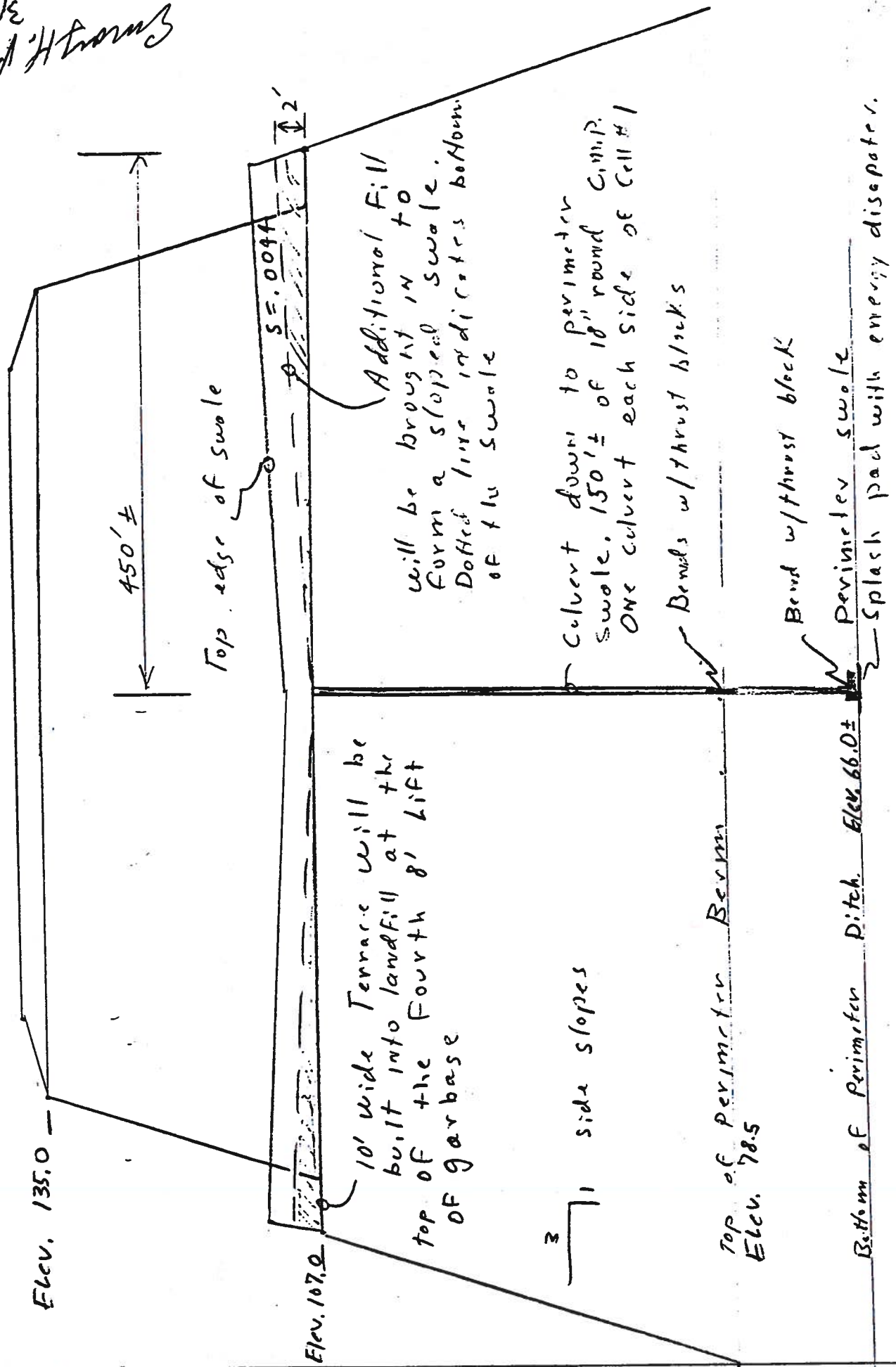
60 Mil HDPE

A2-3 Permit

[Signature]
3/1/91

CELL NO. 1 EROSION CONTROL PLAN (NOT TO SCALE) SIDE VIEW

Ernest H. P...
3/1/19



Elev. 135.0

450' ±

Top edge of swale

5:1

Elev. 107.0

10' wide Terrace will be built into landfill at the top of the Fourth lift of garbage

3:1 side slopes

Top of Perimeter Berm Elev. 78.5

Bottom of Perimeter Ditch Elev. 66.0 ±

Additional Fill will be brought in to form a sloped swale. Dotted line indicates bottom of the swale

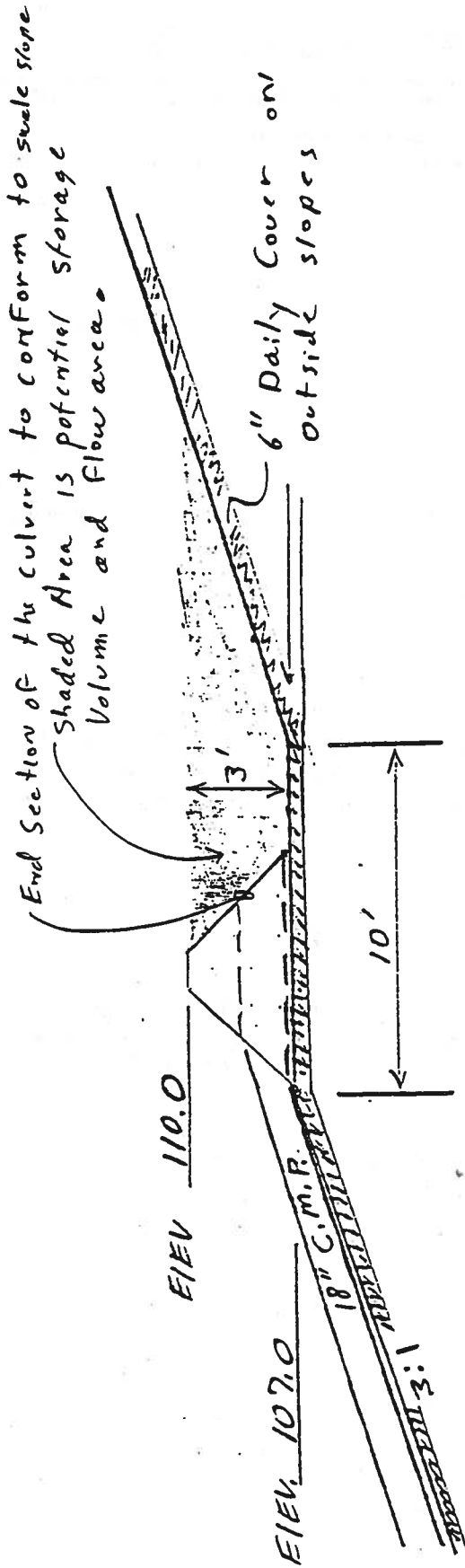
Culvert down to perimeter swale, 150' ± of 18" round C.M.P. One culvert each side of Cell #1

Bends w/ thrust blocks

Bend w/ thrust block

Perimeter swale
Splash pad with energy dissipater.

TERRACE / SWALE CROSS SECTION



* At Peak Flow of 19.83 CFS
 Water level in the Swale
 will be at elevation 109.89
 or about 2.5' deep.

Approved
 3/1/91

A2-3 Permit

HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS

4344 GEORGE BOULEVARD — SEBRING, FLORIDA 33872
Phone: (813) 382-5292 SunCom: 741-9292



February 4, 1991

ADDL/REVISED SUBMITTAL

FEB 07 1991

WPB

Ms. Ginger Sinn
South Florida Water Management District
Post Office Box 24680
West Palm Beach, Florida 33416-4680

Re: APPLICATION NO. 901010-11
HIGHLANDS COUNTY SOLID WASTE CENTER
ENVIRONMENTAL REVIEW

Dear Ms. Sinn:

In response to your phone call on February 1, 1991, about the corrections needed in the forested wetlands acreage; the following corrected and revised schedule is attached:

WETLANDS TO BE MITIGATED

Wetland	Existing Size (acres)	Type	Mitigation Ratio	Mitigation Areas required (acres)
B	0.15	Herbaceous Marsh	1.5:1	0.23
C	1.51	Forested Non-Cypress	2.5:1	3.78
E	1.15	Herbaceous Marsh	1.5:1	1.72
F	0.48	Herbaceous Marsh	1.5:1	.72
G	0.82	Herbaceous Marsh	1.5:1	1.23
H	0.68	Herbaceous Marsh	1.5:1	1.02

DORIS GENTRY
DISTRICT NO. 1

AUDREY VICKERS
DISTRICT NO. 2

JAMES L. GOSE
DISTRICT NO. 3

ARCHIE W. SUMMERS
DISTRICT NO. 4

C.D. "CHIP" BORING
DISTRICT NO. 5

CECIL P. SKIPPER
ADMINISTRATIVE ASSISTANT

J. ROSS MACBETH
COUNTY ATTORNEY

EARL RICH
CLERK



01 10 1991

EXHIBIT 11

J	0.93	Herbaceous Marsh	1.5:1	1.39
M	1.38	Herbaceous Marsh	1.5:1	2.07
Wetland "N" Access Corridor	1.1	Forested Non-Cypress	2.5:1	2.75
Total	<u>8.2</u>			<u>14.91</u>

Of this total 14.91 acres of wetland that must be created; 6.53 acres must be forested wetland and 8.38 acres must be herbaceous marsh. We will create an 11.0 acre herbaceous marsh and two forested wetland areas; one in the Northern part of our created wetland pond, next to the 11.0 acre herbaceous marsh, of 3.3 acres (240' X 600') and another forested wetland, in the Southern part of the created wetland pond, of 3.58 acres (300' X 520') for a total of 6.88 acres of forested wetland.

With regard to the wetland "N" access corridor; it is our intention to go through the full permitting process if and when we decide to do any construction in this area. Any road within the access corridor will either be a true bridge or have a series of culverts designed to handle the creek flow.

Signed and Sealed revised drawings with these and other corrections will be sent out shortly. Please contact me if you have any questions.

Sincerely,



Emory H. Pierce, P.E.
Assistant County Engineer

EHP/vls

ADDL/REVISED SUBMITTAL

FEB 07 1991

WPB

11A

Assume 80% survival rate so plant $10.65 \div .8 = 13.25$ acres
 2.85 acres must be forested 10.40 acres must be herbaceous
 marsh. We will plan on creating 3.0 acres of forest wetland
 and 11.0 acres of herbaceous marsh.

PRIMARY MITIGATION AREA

Forested wetland

One area in the Northerly portion of the detention pond 220'
 x 600' = 3.00 + acres.

Herbaceous Marsh

One area in the Northerly portion of the detention pond 600'
 x 600' + 300' x 440' = 11.0 + acres.

Item IV: We will stop the planted buffer zone short of the
 boundary of wetland "D".

Item V: On the attached sketch, we show the proposed
 mitigation areas and the new bottom contours of the
 detention pond. The new elevations show that virtually all
 of the pond will fall within the littoral zone now. We
 intended to create new wetland to mitigate the wetland areas
 listed above that certainly will be destroyed and those that
 may be destroyed in the future.

REPLANTING SCHEDULE

A. Proposed 3.0 acre forested wetland (Primary Mitigation Area).

Type	Concentration	Zone
1. Buttonbush Cephalanthus occidentalis	above elevation 58.0 ft. NGVD	20 ea. on the central island and around the perimeter and every 200 ft.
2. Cypress Taxodium Ascendens	1 ea. every 2,000 ft. ² approx. 70 ea.	in the pond below elev. 58.0 ft. NGVD
3. Red Maple Acre rubrum	15 ea. along the outer perimeter and along the berm	above 58.0 ft. NGVD
4. Swamp Bay Persea Palustris	1 ea. every 2,000 ft. ² approx. 70 ea.	in the pond and above elev. 58.0 ft. NGVD
5. Swamp tupelo Nyssa sylvatica)	1 ea. every 2,000 ft. ² approx. 70 ea.	in the pond at and above elev. 58.0 ft. NGVD

The source of the Cypress and other trees will be a commercial nursery. Although no cypress are listed in the "Description of Vegetative Cover" pages 22-30 of the previous submittal, it seems that since this new wetland will be so much larger than most of the other wetlands on site that this would be a natural place for them and also increase the diversity of the new wetland. The other 3.5 acre forested wetland will be planted the same.

The source of the herbaceous species listed above will be the wetlands on-site that will be destroyed during future construction. Approximately 1 to 2 foot square samples will be dug out of these existing wetlands in an alternating pattern so that the existing wetland will not be totally destroyed for as long as possible. These samples will then be transported immediately to the new wetland where it will be planted. The dominate species in the sample will determine where it gets planted and the number of samples that are planted. All cattails will be removed from these samples at the locations of the existing wetland. Obviously, other species than those listed above will be introduced to the new wetland and as long as they are native species we will leave them alone and let them become established in the normal progression. The initial plantings will be arranged to match the normal zonation of a wetland.

Another sketch of the wetland is enclosed showing the transect route, the location of the panoramic photo points, sampling points, and staff guage. The transect route shown will be used for the baseline vegetation survey, and for each subsequent annual survey. The rainfall guage will be located near the entrance to the site which will be about 1/2 mile from the pond. This will make it more convenient to monitor the rainfall daily. Most likely this pond and the wetland creation will occur before any office is built on-site.

The transect route has been located to pass through all vegetation zones. The sampling points will be adjusted so that they fall on the transition between the various zones. We will keep a sampling point in the unplanted area to try and document the progression of species that become established over the years.

The pond will be contoured to provide a deeper channel around the outer perimeter and thus some flow around the pond to minimize the formation of any stagnant or dead areas. Three small islands with deeper interiors, that should form shallow pools, are provided. We believe that the proposed contouring of this pond provides as wide a range of niches as exists naturally on this property. The bottom of the pond in the proposed planted areas will be covered with a layer of topsoil at least one foot deep before any planting is done.

11C

6. Sweet Bay Magnolia virginia 1 ea. every 2,000 ft.² approx. 70 ea. in the pond and above elev. 58.0 ft NGVD

B. Proposed 11:0 acre herbaceous marsh (Primary Mitigation area).

Type	Concentration	Zone
1. Buttonbush Cephalanthus Occidentalis	1 ea. per 1,000 ft. ²	at and above elev. 58.0 ft. NGVD around outer perimeter of pond and on isolated island.
2. Flat Sedge Cypress SP	1 ea. per 10 ft. ²	at elev. 58.0 around the perimeter of the pond and on the isolated island.
3. Maiden cane Panicum Hemitomon	1 ea. per 10 ft. ²	at elev. 58.0 NGVD around the perimeter of the pond and on the isolated island
4. Soft Rush Juncus effusus L	1 ea. per 10 ft. ²	above elev. 57.5 NGVD around the perimeter of the pond and on the isolated island.
5. Water Pennywort Hydrocotyle Umbellate L	1 ea. per 10 ft. ²	All over pond below elev. 58.0 NGVD.
6. Pickerelweed Pontederia Cordata L	1 ea. per 100 ft. ²	All over pond below elev. 58.0 NGVD.
7. Arrowhead Sagittaria Lancifolia L	1 ea. per 100 ft. ²	All over pond below elev. 58.0 NGVD.

ADDL/REVISED SUBMITTAL

SUBMITTAL

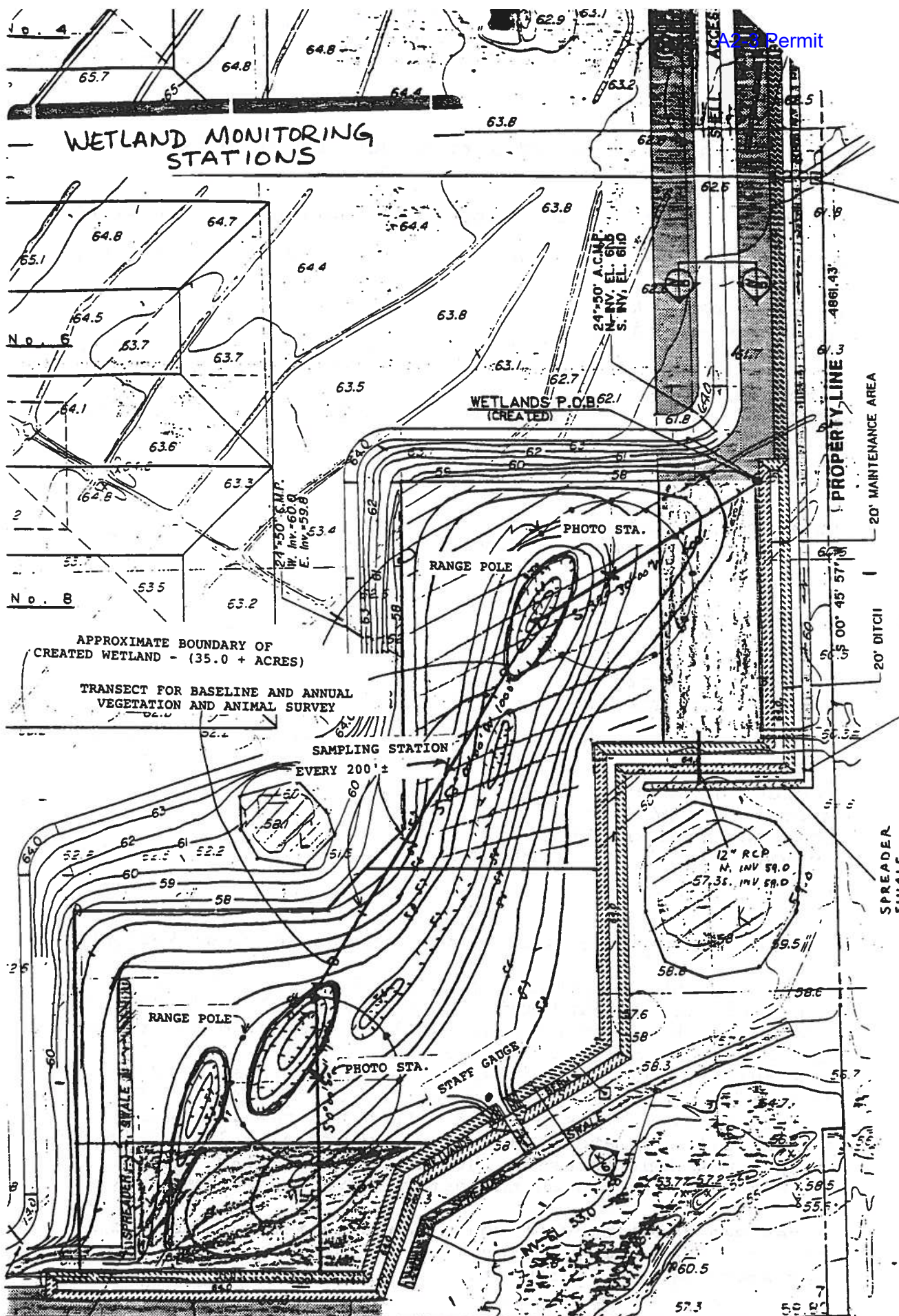
JAN 09 1991

JAN 09 1991

WPB

WPB

110



APPROXIMATE BOUNDARY OF
CREATED WETLAND - (35.0 + ACRES)

TRANSECT FOR BASELINE AND ANNUAL
VEGETATION AND ANIMAL SURVEY

SAMPLING STATION
EVERY 200' ±

MATCH LINE SHEET #2

SCALE 1" = 200'

N 15-238-9735
E 15-287-4024

S.E. CORNER
Sec. 22-34-30



Item VI: Our proposed mitigation work schedule is as follows: (Primary mitigation area only)

Activity	Duration	Completion	Const. Cost
Excavate wetland	60 days	1-30-92	\$169,400.
Import topsoil & mulch & grade final contour	30 days	2-28-92	169,400.
Plant forested wetland	30 days	3-30-92	10,000.
Plant Herbaceous Marsh	60 days	5-30-92	22,000.
Baseline vegetation and animal survey	1 day	8-30-92 8-30-92 thru 8-30-97	1,000.
Removal of Cattails and Nuisance species	30 days	3-1-93 thru 3-1-96	3,000.
Replanting of any species listed that does not have an 80% survival rate	30 days	4-1-93 thru 4-1-96	6,400.

1st year maintenance and total construction cost \$381,200.

The County has no problem with putting restrictions on the newly created wetland and wetlands "A", "D", "I", "K", "L" and "N". The other wetlands will be mitigated according to the previous schedules. We do not want any restrictions on the buffer zones because we do have buildings, roads, berms, and drainage swales planned for the buffer areas. The buffer areas will be planted with pine trees, primarily, which will ultimately have some commercial value which the County may want to use. The County has already passed a "No Hunting" resolution on the entire 989.38 acre property.

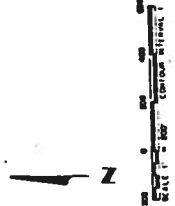
A revised draft copy of your requested restrictions with complete legal descriptions will be sent to you as soon as our attorney can review it.

EXHIBIT 12

AIRRAMS

HIGHLANDS COUNTY ENGINEERING DEPT. 4344 GINGER ROAD FORT MYERS, FLORIDA 33907		HIGHLANDS COUNTY SOILS WATER MANAGEMENT DIVISION	
PROJECT NO. _____		DATE OF REPORT _____	
DRAWN BY _____		SCALE _____	
CHECKED BY _____		DATE OF DRAWING _____	
APPROVED BY _____		DATE OF APPROVAL _____	

WETLANDS CHART	
WETLANDS AREA	NUMBER OF ACRES
1	0.57
2	0.57
3	0.57
4	0.57
5	0.57
6	0.57
7	0.57
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HIGHLANDS COUNTY
FLORIDA

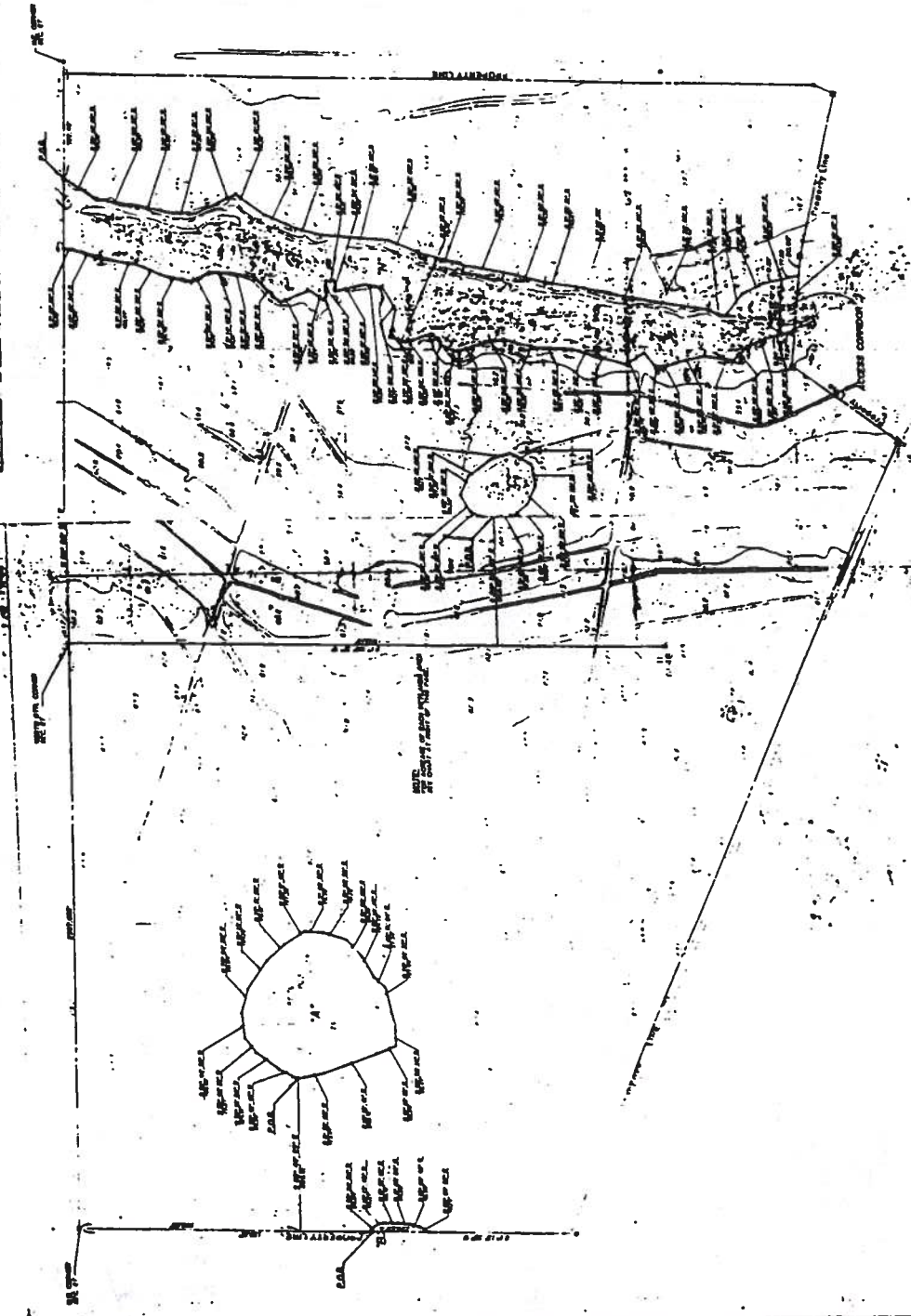


EXHIBIT 13

HIGHLANDS COUNTY
FLORIDA

HIGHLANDS COUNTY ENGINEERING DEPT. 1340 STATE ROADWAY HIGHLANDS, FLORIDA 33430		HIGHLANDS COUNTY SOILS BUREAU CENTER 3-7-91	
DATE	BY	NO.	REV.

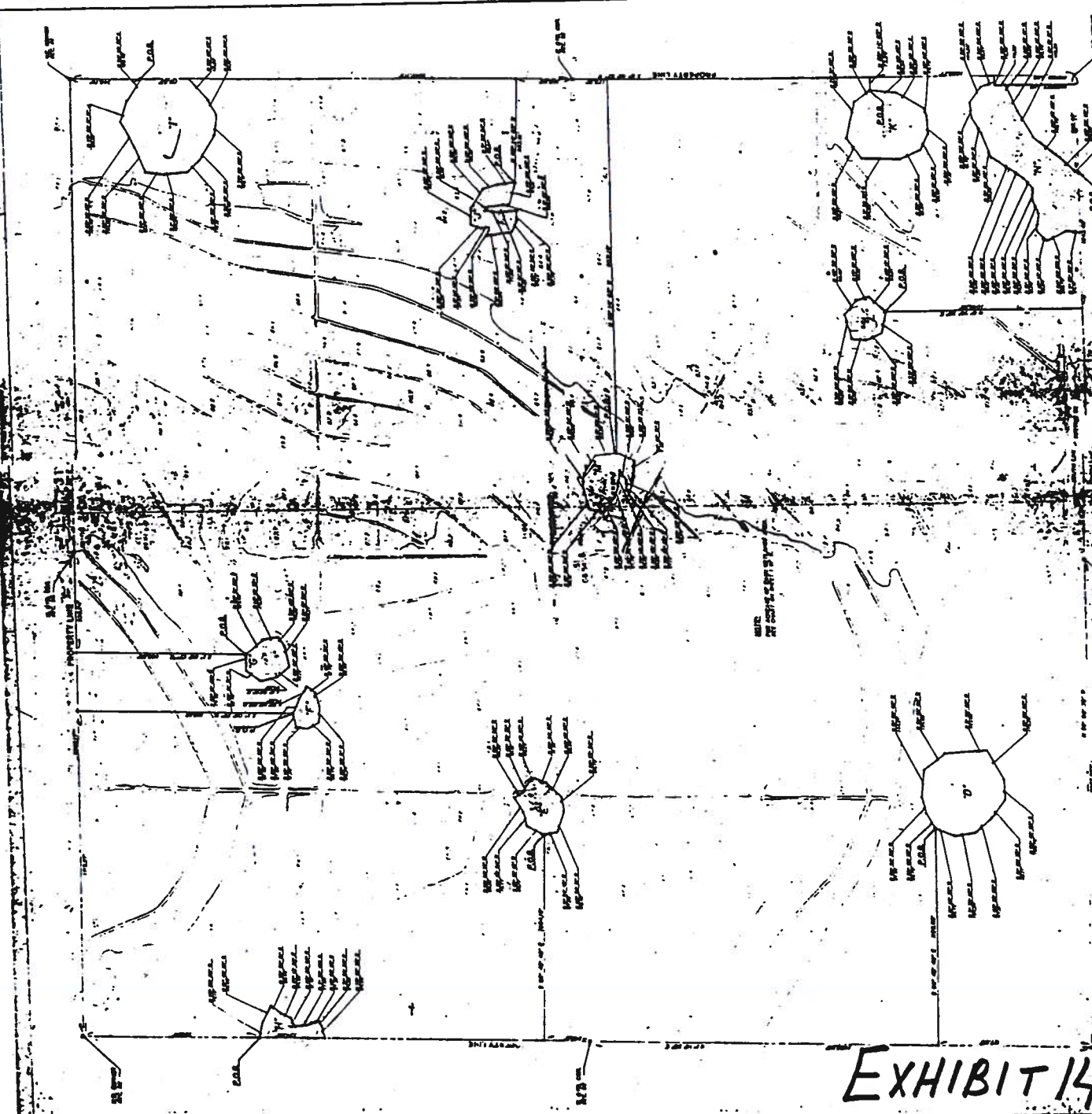
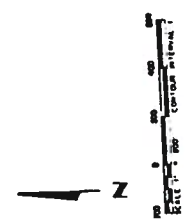


EXHIBIT 14

STAFF REPORT DISTRIBUTION LISTPROJECT: HIGHLANDS CO. SOLID WASTE CENTERAPPLICATION NUMBER: 901010-11INTERNAL DISTRIBUTION

- X Reviewer:
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Ginger Sinn
- X S. Anderson
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D. Thatcher
X D. Unsell
X P. Walker
X K. Wallace
X A. Waterhouse
W. Van Voorhees
E. Yaun
X Area Engineer
X Day File
X Enforcement
X Field Representative
X Office of Counsel
X Permit File

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Mr. Frank Williamson, Jr.

DEPT. OF ENVIRONMENTAL REGULATION:

- X Ft. Myers
Orlando
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Tallahassee
West Palm Beach

EXTERNAL DISTRIBUTION

- X Applicant:
Highlands County
- X Applicant's Consultant:
Highlands Co. Engineer
Engineer, County of:

Engineer, City of:

Local Drainage District:

BUILDING AND ZONING

Boca Raton
Boynton Beach
Royal Palm Beach
Tequesta
West Palm Beach

COUNTY

- Broward -Office of Nat Res Protection
-Dir., Water Mgmt. Div.
- Collier -Agricultural Agent
-Dept of Natural Res (K.Alvarez)
- Dade -DERM
- Hendry -Bd of County Comm. (C.Atkin)
-Zoning Department
- Lee -Dept of Natural Res (K.Alvarez)
-D.O.T.
-Long Range Planning
-Mosquito Control
- Martin -Community Dev. Dir.
- Orange -EPA
-Public Utilities
- Palm Beach -Building Division
-Environmental Res Mgmt.
-Land Development Div.
-LWDD
-School Brd., Growth Mgt.
-Zoning Division, (J.MacGillis)
- Polk -Water Resources Dept.
- St. Lucie -Planning Division

OTHER

Sierra Club
Central Florida Group
Port St. Lucie Planning Division
S.W.F.R.P.C. - Glenn Heath
Haynes Johnson, U.S. EPA
Jim Couch, U.S. EPA

