Joint Application For Environmental Resource Permit

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Dufresne-Henry

630 Woodbury Drive
Port Charlotte, FL 33952
(941) 627-3366
Fax: (941) 743-2904 E-mail: pc@dufresne-henry.com

08-0201311-002-EI04

FORM#: 62-343.900(1) Section A
FORM TITLE: JOINT ENVIRONMENTAL RESOURCE PERMIT APPLICATION
DATE: October 3, 1995

SECTION A

ORIGINAL

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ACOE Application #	DEP/WMD Application #
Date Application Received	Date Application Received
Proposed Project Lat.	Fee Received $
Proposed Project Long.	Fee Receipt #

PART 1:

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters? ☒ yes ☐ no

Is this application being filed by or on behalf of a government entity or drainage district? ☐ yes ☒ no

PART 2:

A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.

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

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

- ☒ Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
- ☐ Construction, expansion or modification of a solid waste facility.
- ☐ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
- ☐ Modification of a system previously permitted by a WMD or DEP.

  Provide previous permit numbers:_____

  - ☐ Alteration of a system
  - ☐ Abandonment of a system
  - ☐ Removal of a system
  - ☐ Extension of permit duration
  - ☐ Construction of additional phases of a system

C. Are you requesting authorization to use Sovereign Submerged Lands?
☐ yes ☒ no
(See Section G and Attachment 5 for more information before answering this question.)

D. For activities in, on, or over wetlands or other surface waters, check type of federal dredge and fill permit requested:
☒ Individual ☐ Programmatic General ☐ General
☐ Nationwide ☐ Not Applicable

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

PART 3: A. OWNER(S) OF LAND	B. ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)
Name Southwest Land Developers	Name
Title and Company Southwest Land Developers	Title and Company
Address 5445 Williamsburg Drive	Address
City, State, Zip Punta Gorda, Florida, 33982	City, State, Zip
Telephone and Fax (941) 637-8345 (941) 637-6486	Telephone and Fax
C. AGENT AUTHORIZED TO SECURE PERMIT	**D. CONSULTANT (IF DIFFERENT FROM AGENT)**
Name	Name David P. Crane
Title and Company	Title and Company Dufresne-Henry, Inc.
Address	Address 630 Woodbury Drive
City, State, Zip	City, State, Zip Port Charlotte, Florida 33954
Telephone and Fax	Telephone and Fax (941) 627-3366 (941) 743-2904

PART 4: (Please provide metric equivalent for federally funded projects):

A. Name of Project, including phase if applicable: C&D Recycling and Disposal Facility

B. Is this application for part of a multi-phase project?
☐yes ☒no

C. Total applicant-owned area contiguous to the project?
372 ac.; _____ ha.

D. Total area served by the system: 372 ac.; _____ ha.

E. Impervious area for which a permit is sought: 0.9632 ac.; _____ ha.

F. Volume of water that the system is capable of impounding:
97.39 ac. ft.; _____ m

G. What is the total area of work in, on, or over wetlands or other surface waters?
28.8 ac.; _____ ha. 1,254,528 sq. ft.; _____ sq. m.

H. Total volume of material to be dredged: 0 yd; _____ m

I. Number of new boat slips proposed: 0 wet slips; _____ dry slips

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PART 5:

Project location (use additional sheets if needed):

County(ies)Charlotte

Section(s) 30	Township 42S	Range 24E
Section(s)	Township	Range
Section(s)	Township	Range

Land Grant name, if applicable:

Tax Parcel Identification Number: 0073830-000000-3

Street AddressRoador other location:Tamiami Trail and Zemel Road

City, Zip Code, if applicable: Punta Gorda, 33950

PART 6: Describe in general terms the proposed project, system, or activity.

Proposed within this 372 acres site is the C&D Recycling and Disposal Facility. The construction phase will consist of a 157.87 acre C&D landfill with a main driveway entrance off of US 41, a commercial driveway entrance off of US 41,a 25.90 acre dry detention pond divided into 5 ponds separated by a 20' berm, and several dirt haul roads through the subject property.

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PART 7:

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

03-07-03	FDEP Ft. Myers Service Office	David P. Crane - DH
03-07-03	FDEP Ft. Myers Service Office	Bruce Laishley - SLD
03-07-03	FDEP Ft. Myers Service Office	Lucy Blair - FDEP
03-07-03	FDEP Ft. Myers Service Office	Calvin Alvarezm, – FDEP
03-07-03	FDEP Ft. Myers Service Office	Elizabeth Gillen – FDEP
03-07-03	FDEP Ft. Myers Service Office	Craig Smith - W. Dexter Bender

B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

Agency	Date	No.\Type of Application	Action Taken

C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft. radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

1. 2.

3. 4.

5. 6.

7. 8.

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PART 8:

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

Bruce Laishley
Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)

Bruce Laishley 1-30-04
Signature of Applicant/Agent Date

Vice President
(Corporate Title if applicable)

AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Typed/Printed Name of Applicant	Signature of Applicant	Date

(Corporate Title if applicable)

Please note: The applicant's original signature (not a copy) is required above.

PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

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

Bruce Laishley Typed/Printed Name of Applicant	Bruce Laishley Signature of Applicant	1-30-04 Date

Vice President
(Corporate Title if applicable)

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SECTION C

Environmental Resource Permit Notice of Receipt of Application

Note: this form does not need to be submitted for noticed general permits.
This information is required in addition to that required in other sections of the application. Please submit five copies of this notice of receipt of application and all attachments with the other required information. Please submit all information on 8 1/2" x 11" paper.

Project Name	C&D Recycling and Disposal Facility
County	Charlotte
Owner	Southwest Land Developers
Applicant:	Southwest Land Developers
Applicant's Address:	5445 Williamsburg Drive, Punta Gorda, Florida, 33982

1. Indicate the project boundaries on a USGS quadrangle map. Attach a location map showing the boundary of the proposed activity. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.

2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida Water or Aquatic Preserve:
See Section E of the ERP and attached Environmental Supplement Report provided by W. Dexter Bender and Associates, Inc.

3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. Use multiple sheets, if necessary. Use a scale sufficient to show the location and type of works.

4. Briefly describe the proposed project (such as "construct dock with boat shelter", "replace two existing culverts", "construct surface water management system to serve 150 acre residential development"):
Proposed within this 372 acres site is the C&D landfill. The construction phase will consist of a 157.87 acre C&D landfill with two driveway entrances off of US 41, and a 25.90 acre dry detention pond.

5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be filled, excavated, or otherwise disturbed or impacted by the proposed activity:

filled 28.8 ac.; ___ excavated ac.;

other impacts ___ ac.

6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters (attach additional sheets if necessary):
See development plans (Conservation Easement) and attached mitigation and monitoring plan provided by W. Dexter Bender & Associates, Inc.

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Application Name:
Application Number:
Office where the application can be inspected:

Note to Notice recipient: The information in this notice has been submitted by the applicant, and has not been verified by the agency. It may be incorrect, incomplete or may be subject to change.

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FORM#: 62-343.900(1) Section E
FORM TITLE: JOINT ENVIRONMENTAL RESOURCE PERMIT APPLICATION
DATE: October 3, 1995

SECTION E

INFORMATION REQUESTED FOR STANDARD GENERAL, INDIVIDUAL AND CONCEPTUAL ENVIRONMENTAL RESOURCE PERMIT APPLICATIONS NOT RELATED TO A SINGLE FAMILY DWELLING UNIT

Please provide the information requested below if the proposed project requires either a standard general, individual, or conceptual approval environmental resource permit and is not related to an individual, single family dwelling unit, duplex or quadruplex. The information listed below represents the level of information that is usually required to evaluate an application. The level of information required for a specific project will vary depending on the nature and location of the site and the activity proposed. Conceptual approvals generally do not require the same level of detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date. If an item does not apply to your project, proceed to the next item. Please submit all information that is required by the Department on either 8 1/2 in. X 11 in. paper or 11 in. X 17 in. paper. Larger drawings may be submitted to supplement but not replace these smaller drawings.

A. Site Information

1. Provide a map(s) of the project area and vicinity delineating USDA/SCS soil types.
See attached application package

2. Provide recent aerials, legible for photo interpretation with a scale of 1" = 400 ft, or more detailed, with project boundaries delineated on the aerial.
See attached application package

3. Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each on site wetland or surface water, including receiving waters into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations. **See attached Environmental Supplement prepared by: W. Dexter Bender & Associates**

4. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations. **See attached Environmental Supplement prepared by: W. Dexter Bender & Associates**

B. Environmental Considerations

1. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and the U.S. Fish and Wildlife Service.
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

2. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or will remain undisturbed.
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

3. Provide a narrative description of any proposed mitigation plans, including purpose, maintenance, monitoring, and construction sequence and techniques, and estimated costs.
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

4. Describe how boundaries of wetlands or other surface waters were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, a validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

5. Impact Summary Tables:

a. For all projects, complete Tables 1, 2 and 3 as applicable.

b. For docking facilities or other structures constructed over wetlands or other surface waters, provide the information requested in Table 4.

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c. For shoreline stabilization projects, provide the information requested in Table 5.

See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

C. Plans

Provide clear, detailed plans for the system including specifications, plan (overhead) views, cross sections (with the locations of the cross sections shown on the corresponding plan view), and profile (longitudinal) views of the proposed project. The plans must be signed and sealed by a an appropriate registered professional as required by law. Plans must include a scale and a north arrow. These plans should show the following:

1. Project area boundary and total land area, including distances and orientation from roads or other land marks; **See attached Development Plans**

2. Existing land use and land cover (acreage and percentages), and on-site natural communities, including wetlands and other surface waters, aquatic communities, and uplands. Use the Florida Land Use Cover & Classification System (FLUCCS)(Level 3) for projects proposed in the South Florida Water Management District, the St. Johns River Water Management District, and the Suwannee River Water Management District and use the National Wetlands Inventory (NWI) for projects proposed in the Southwest Florida Water Management District. Also identify each community with a unique identification number which must be consistent in all exhibits.
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

3. The existing topography extending at least 100 feet off the project area, and including adjacent wetlands and other surface waters. All topography shall include the location and a description of known benchmarks, referenced to NGVD. For systems waterward of the mean high water (MHW) or seasonal high water lines, show water depths, referenced to mean low water (MLW) in tidal areas or seasonal low water in non-tidal areas, and list the range between MHW and MLW. For docking facilities, indicate the distance to, location of, and depths of the nearest navigational channel and access routes to the channel. **See attached Development Plans**

4. If the project is in the known flood plain of a stream or other water course, identify the following: 1) the flood plain boundary and approximate flooding elevations; and 2) the 100-year flood elevation and floodplain boundary of any lake, stream or other watercourse located on or adjacent to the site; **FIRM Panel 0450 – Zone D – SFHA – Out of Flood Zone**

5. The boundaries of wetlands and other surface waters within the project area. Distinguish those wetlands and other surface waters that have been delineated by any binding jurisdictional determination;
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

6. Proposed land use, land cover and natural communities (acreage and percentages), including wetlands and other surface waters, undisturbed uplands, aquatic communities, impervious surfaces, and water management areas. Use the same classification system and community identification number used in III (B) above.
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

7. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands;
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

8. Proposed buffer zones;
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

9. Pre- and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters; **See attached Development Plans and attached Drainage Report**

10. Location of all water management areas with details of size, side slopes, and designed water depths;
See attached Development Plans and attached Drainage Report

11. Location and details of all water control structures, control elevations, any seasonal water level regulation schedules; and the location and description of benchmarks (minimum of one benchmark per structure);
See attached Development Plans and attached Drainage Report

12. Location, dimensions and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings; **See attached Development Plans and attached Drainage Report**

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JAN 3 0 2004

D.E.P. - South District

13. Location, size, and design capacity of the internal water management facilities;
See attached Development Plans

14. Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes, and rights-of-way and easements for the existing drainage system, if any;
See attached Development Plans

15. Receiving waters or surface water management systems into which runoff from the developed site will be discharged; **See attached Development Plans and attached Drainage Report**

16. Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions;
See attached Development Plans

17. Location, grading, design water levels, and planting details of all mitigation areas;
See attached Environmental Supplement prepared by: W. Dexter Bender & Associates

18. Site grading details, including perimeter site grading;
See attached Development Plans

19. Disposal site for any excavated material, including temporary and permanent disposal sites;
N/A

20. Dewatering plan details;
N/A

21. For marina facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair and maintenance facilities, and fish cleaning stations; **N/A**

22. Location and description of any nearby existing offsite features which might be affected by the proposed construction or development such as stormwater management ponds, buildings or other structures, wetlands or other surface waters. **See attached Development Plans**

23. For phased projects, provide a master development plan.

D. Construction Schedule and Techniques

Provide a construction schedule, and a description of construction techniques, sequencing and equipment. This information should specifically include the following:

1. Method for installing any pilings or seawall slabs;
See attached Development Plans

2. Schedule of implementation of temporary or permanent erosion and turbidity control measures;
See attached Development Plans

3. For projects that involve dredging or excavation in wetlands or other surface waters, describe the method of excavation, and the type of material to be excavated; **N/A**

4. For projects that involve fill in wetlands or other surface waters, describe the source and type of fill material to be used. For shoreline stabilization projects that involve the installation of riprap, state how these materials are to be placed, (i.e., individually or with heavy equipment) and whether the rocks will be underlain with filter cloth;
Soil is from the existing site

5. If dewatering is required, detail the dewatering proposal including the methods that are proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place (Note: a consumptive use or water use permit may by required); **N/A**

6. Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge; **N/A**

7. Demolition plan for any existing structures to be removed; **N/A**

8. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed. **See attached Development Plans**

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JAN 30 2004
D.E.P. - South District

E. Drainage Information

1. Provide pre-development and post-development drainage calculations, signed and sealed by an appropriate registered professional, as follows:

a. Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basin;

b. Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table draw down;

c. Receiving water elevations (normal, wet season, design storm);

d. Design storms used including rainfall depth, duration, frequency, and distribution;

e. Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);

f. Stage-storage computations for any area such as a reservoir, close basin, detention area, or channel, used in storage routing;

g. Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;

h. Flood routings through on-site conveyance and storage areas;

i. Water surface profiles in the primary drainage system for each required design storm event(s);

j. Runoff peak rates and volumes discharged from the system for each required design storm event(s);

k. Tail water history and justification (time and elevation); and

l. Pump specifications and operating curves for range of possible operating conditions (if used in system).

See attached Development Plans and attached Drainage Report

2. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions; **N/A**

3. Provide the acreage, and percentages of the total project, of the following:

a. Impervious surfaces, excluding wetlands;

b. Pervious surfaces (green areas, not including wetlands);

c. Lakes, canals, retention areas, other open water areas; and

d. Wetlands.

See attached Development Plans and attached Drainage Report

4. Provide an engineering analysis of floodplain storage and conveyance (if applicable), including:

a. Hydraulic calculations for all proposed traversing works;

b. Backwater water surface profiles showing upstream impact of traversing works;

c. Location and volume of encroachment within regulated floodplain(s); and

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JAN 3 0 2004

D.E.P. - South District

d. Plan for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.

See attached Drainage Report

5. Provide an analysis of the water quality treatment system including:

a. A description of the proposed stormwater treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis; and

b. Construction plans and calculations that address stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria.

See attached Development Plans

6. Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, two diskette copies, if available, and justification for model selection.

See attached Development Plans

F. Operation and Maintenance and Legal Documentation

1. Describe the overall maintenance and operation schedule for the proposed system.

See attached Application Package

2. Identify the entity that will be responsible for operating and maintaining the system in perpetuity if different than the permittee, a draft document enumerating the enforceable affirmative obligations on the entity to properly operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long-term maintenance. If the proposed operation and maintenance entity is not a property owner's association, provide proof of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system. If a property owner's association is the proposed operation and maintenance entity, provide copies of the articles of incorporation for the association and copies of the declaration, restrictive covenants, deed restrictions, or other operational documents that assign responsibility for the operation and maintenance of the system. Provide information ensuring the continued adequate access to the system for maintenance purposes. Before transfer of the system to the operating entity will be approved, the permittee must document that the transferee will be bound by all terms and conditions of the permit.

See Attached Operation and Maintenance Guidelines

3. Provide copies of all proposed conservation easements, storm water management system easements, property owner's association documents, and plats for the property containing the proposed system.

See attached Application Package

4. Provide indication of how water and waste water service will be supplied. Letters of commitment from off-site suppliers must be included.

See attached Development Plans

5. Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled by the applicant.

See attached Application Package

G. Water Use

1. Will the surface water system be used for water supply, including landscape irrigation, or recreation.

N/A

2. If a Consumptive Use or Water Use permit has been issued for the project, state the permit number.

N/A

3. If no Consumptive Use or Water Use permit has been issued for the project, indicate if such a permit will be required and when the application for a permit will be submitted.

N/A

4. Indicate how any existing wells located within the project site will be utilized or abandoned.

N/A

TABLE 1
Project Impact Summary

WL & SW ID	WL & SW TYPE	WL & SW SIZE (ac.) ON SITE	WL & SW ACRES NOT IMPACTED	PERMANENT IMPACTS TO WL & SW		TEMPORARY IMPACTS TO WL & SW		MITIGATION ID
				IMPACT SIZE (acres)	IMPACT CODE	IMPACT SIZE (acres)	IMPACT CODE	

WL = Wetland; **SW** = Surface water; **ID** = Identification number, letter, etc.
Wetland Type: Use an established wetland classification system and, in the comments section below, indicate which classification system is being used.
Impact Code (Type): D = dredge; F = fill; H = change hydrology; S = shading; C = clearing; O = other. Indicate the final impact if more than one impact type is proposed in a given area. For example, show F only for an area that will first be demucked and then backfilled.

Note: Multiple entries per cell are not allowed, except in the "Mitigation ID" column. Any given acreage of wetland should be listed in one row only, such that the total of all rows equals the project total for a given category (column). For example, if Wetland No. 1 includes multiple wetland types and multiple impact codes are proposed in each type, then each proposed impact in each wetland type should be shown on a separate row, while the size of each wetland type found in Wetland No. 1 should be listed in only one row.

Comments: ___

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JAN 30 2004
D.E.P. - South District

TABLE 2
ON-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE
PROJECT TOTALS:												

CODES (multiple entries per cell not allowed): Target Type or Type = target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

COMMENTS:

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JAN 30 2004
D.E.P. - South District

TABLE 3
OFF-SITE MITIGATION SUMMARY

MITIGATION ID	CREATION		RESTORATION		ENHANCEMENT		WETLAND PRESERVE		UPLAND PRESERVE		OTHER	
	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE	AREA	TARGET TYPE
PROJECT TOTALS:												

CODES (multiple entries per cell not allowed):
Target Type=target or existing habitat type from an established wetland classification system or land use classification for non-wetland mitigation

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JAN 30 2004
D.E.P. - South District

TABLE 4
DOCKING FACILITY SUMMARY

Type of Structure*	Type of Work**	Number of Identical Docks	Length (feet)	Width (feet)	Height (feet)	Total square feet over water	Number of slips

	TOTALS:	Existing	Proposed
*Dock, Pier, Finger Pier, or other structure (please specify what type)	Number of Slips		
**New, Replaced, Existing (unaltered), Removed, or Altered/Modified	Square Feet over the water		

Use of Structure:

Will the docking facility provide:

Live-aboard Slips? If yes, Number:
Fueling Facilities: If yes, Number
Sewage Pump-out Facilities? If yes, Number:
Other Supplies or Services Required for Boating (excluding refreshments, bait and tackle)
☐ Yes ☐ No

Type of Materials for Decking and Pilings (i.e., CCA, pressure treated wood, plastic, or concrete)

Pilings
Decking
Proposed Dock-Plank Spacing (if applicable)

Proposed Size (length and draft), Type, and Number of Boats Expected to Use or Proposed to be Mooring at the facility)

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Table 5: SHORELINE STABILIZATION
IF YOU ARE CONSTRUCTING A SHORELINE STABILIZATION PROJECT, PLEASE PROVIDE THE FOLLOWING:

Type of Stabilization Being Done	Length (in feet) of New	Length (in feet) of Replaced	Length (in feet) of Repaired	Length (in feet) of Removed	Slope: H: V:	Width of the Toe (in feet)
Vertical Seawall						
Seawall plus Rip-Rap						
Rip-Rap						
Rip-Rap plus Vegetation						
Other Type of Stabilization Being Done:						

Size of the Rip Rap: ___

Type of Rip Rap:___

COMMENTS:

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Project Narrative

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Dufresne-Henry

630 Woodbury Drive
Port Charlotte, FL 33952
(941) 627-3366
Fax: (941) 743-2904 E-mail: pc@dufresne-henry.com

Project Narrative
C & D Recycling and Disposal Facility
DH# - 9528898.01

Dufresne-Henry, Inc was contracted by Bruce Laishley of Southwest Land Developers to perform professional design services related to this project. Proposed within this 372 acre site is the "C & D Recycling and Disposal Facility" consisting of two cells totaling 164.17 acres, two driveway connections to US 41, associated parking, landscape requirements, and five dry detention ponds totaling approximately 25.90 acre in size. According to Charlotte County Code the height restriction on the landfill is 100' which is approximately 124.5 NGVD. The site improvements will include two 1,500 square foot office trailers, one 6,000 square foot metal building, and two parking facilities totaling: two (2) handicap space (12'x18') and twenty-eight (28) (9'x18') regular spaces, for a total of 30 parking spaces. The facility will be owned and operated by Southwest Land Developers.

The subject property is bounded by vacant commercial land to the west and south zoned AE – Agricultural one unit per acre, to the north is vacant land zoned ES – Environmental Sensitive, and to the west US 41 and some developed commercial property zoned CI – Commercial Intensive and CG – Commercial General. The site is currently zoned AE - Agricultural I unit per acre.

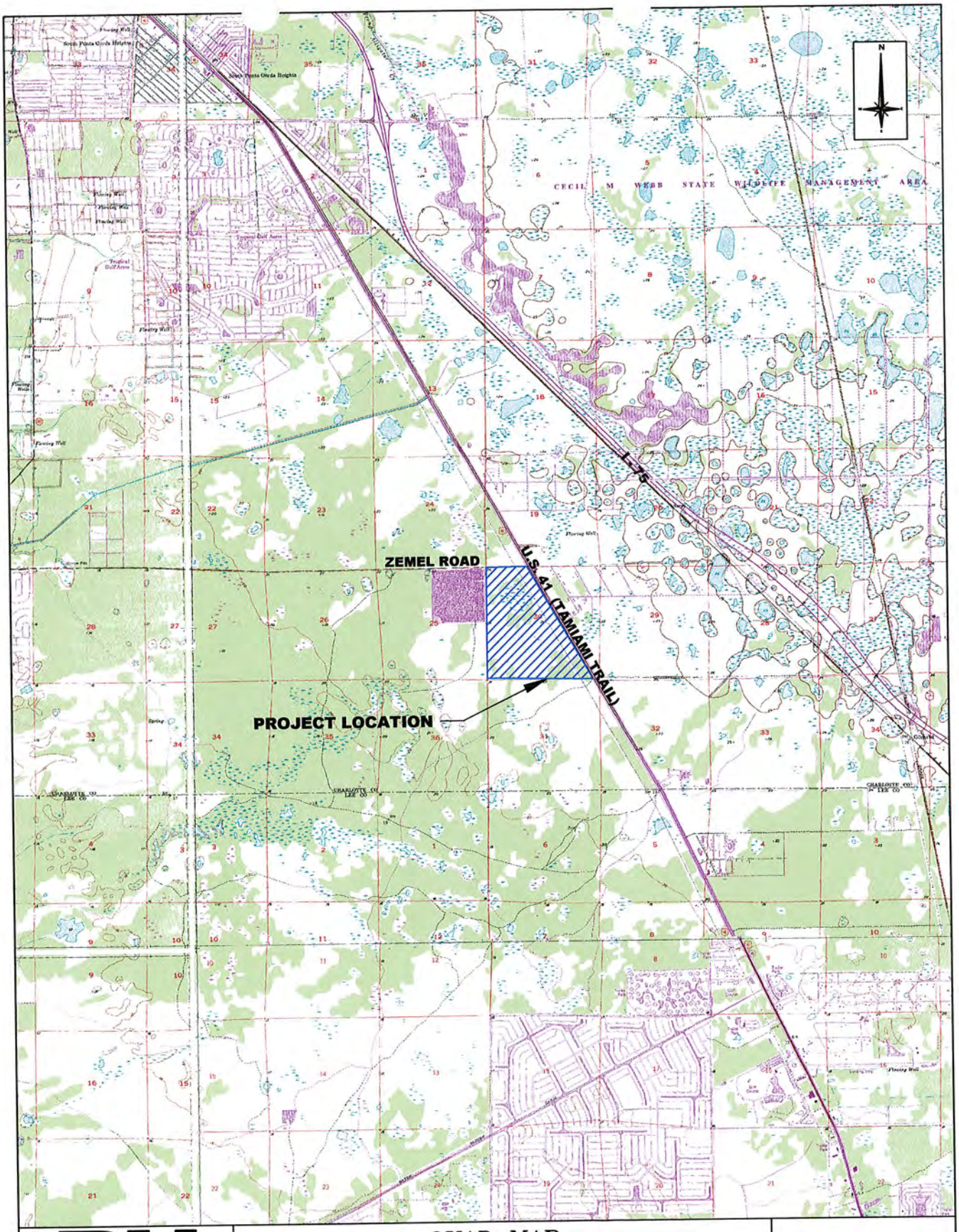
The stormwater facility will consist of five (5) dry detention systems separated by a 20' berm. The dry detention system is approximately 25.90 acres in size. For stormwater re-charge to the existing wetlands the dry detention system will us percolation for its treatment and the attenuation in the system will accommodate the 100-year 24 hour storm event.

No public utilities currently serve the area. Sanitary sewer will be provided by an on-site septic system and potable water service will be provided by an on site well. These facilities will be permitted through the Charlotte County Health Department.

Operation and maintenance of the on-site stormwater facilities and all common areas will be the responsibility of the owner.

All facilities shown will be developed in one phase.

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Dufresne-Henry
630 Woodbury Drive
Port Charlotte, Florida 33954-1000
Tel. (941) 627-3386 Fax (941) 743-2904
Email po@dufresne-henry.com

QUAD MAP

SOUTHWEST LAND DEVELOPERS, INC.
C & D RECYCLING AND DIPOSAL FACILITY

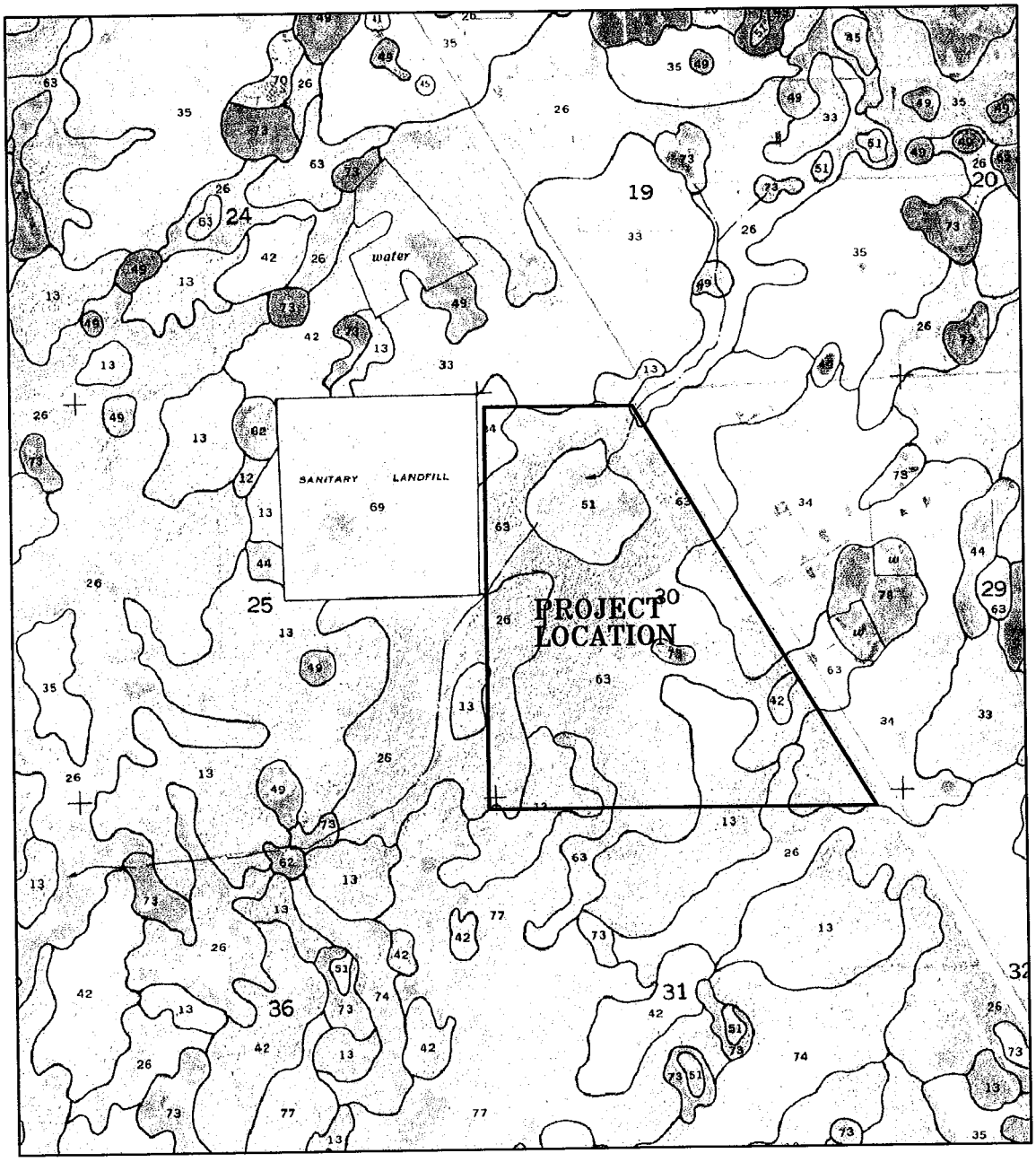
FIGURE 1

N

W E

S

NOT TO SCALE



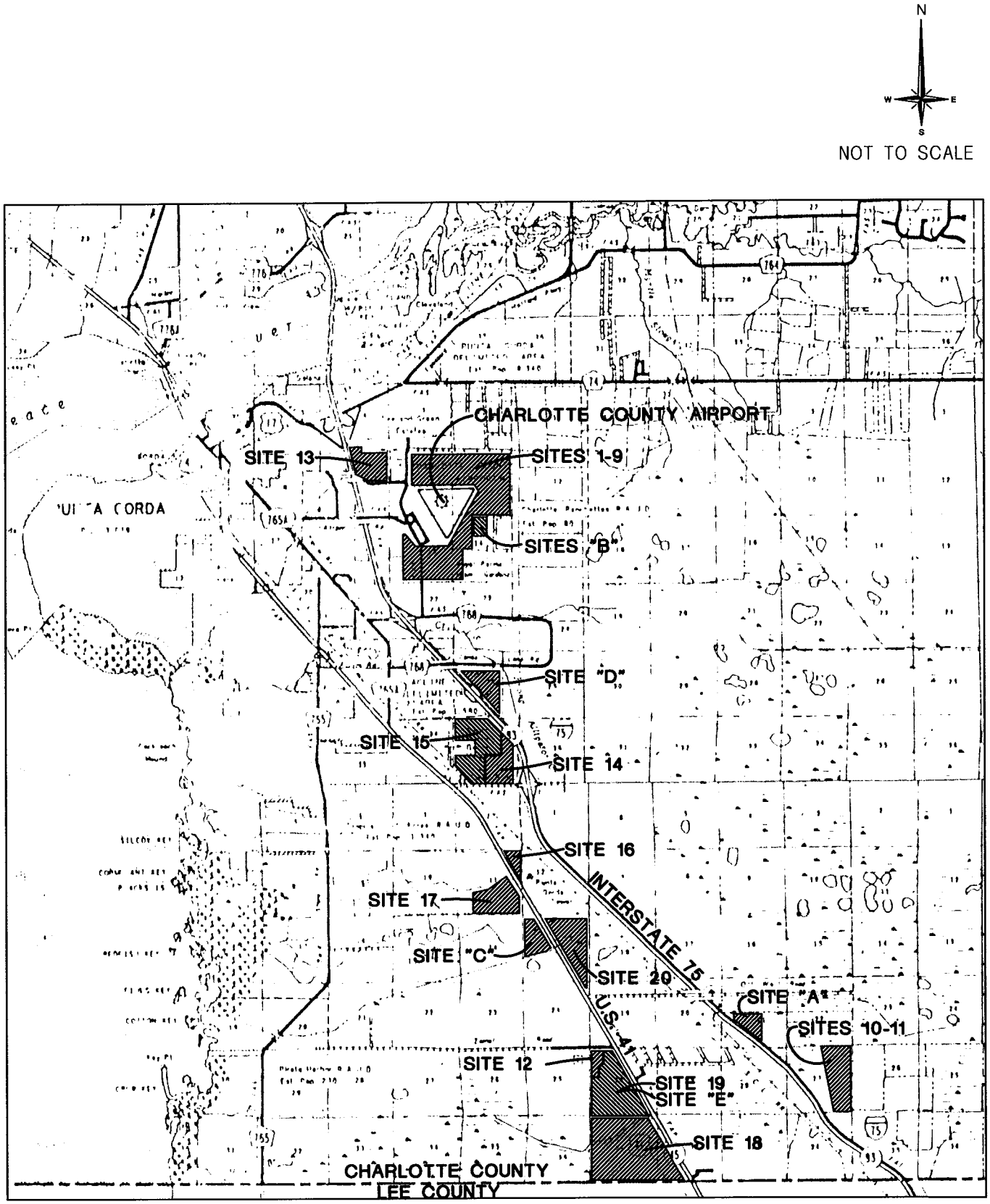
Dufresne-Henry, Inc.

301 North Cattlemen Road, Suite 201 Sarasota, FL 34232
Tel. (941) 365-3500 Fax (941) 365-1922
Email dhsarasota@aol.com

SOILS MAP

SOUTHWEST LAND DEVELOPERS, INC.
C & D RECYCLING AND DISPOSAL FACILITY

FIGURE 2



Dufresne-Henry, Inc.

301 North Cattlemen Road, Suite 201 Sarasota, FL 34232
Tel. (941) 366-5500 Fax (941) 366-1922
Email: dhsarasota@aol.com

ALTERNATE SITES

SOUTHWEST LAND DEVELOPERS, INC.
C & D RECYCLING AND DISPOSAL FACILITY

FIGURE 3

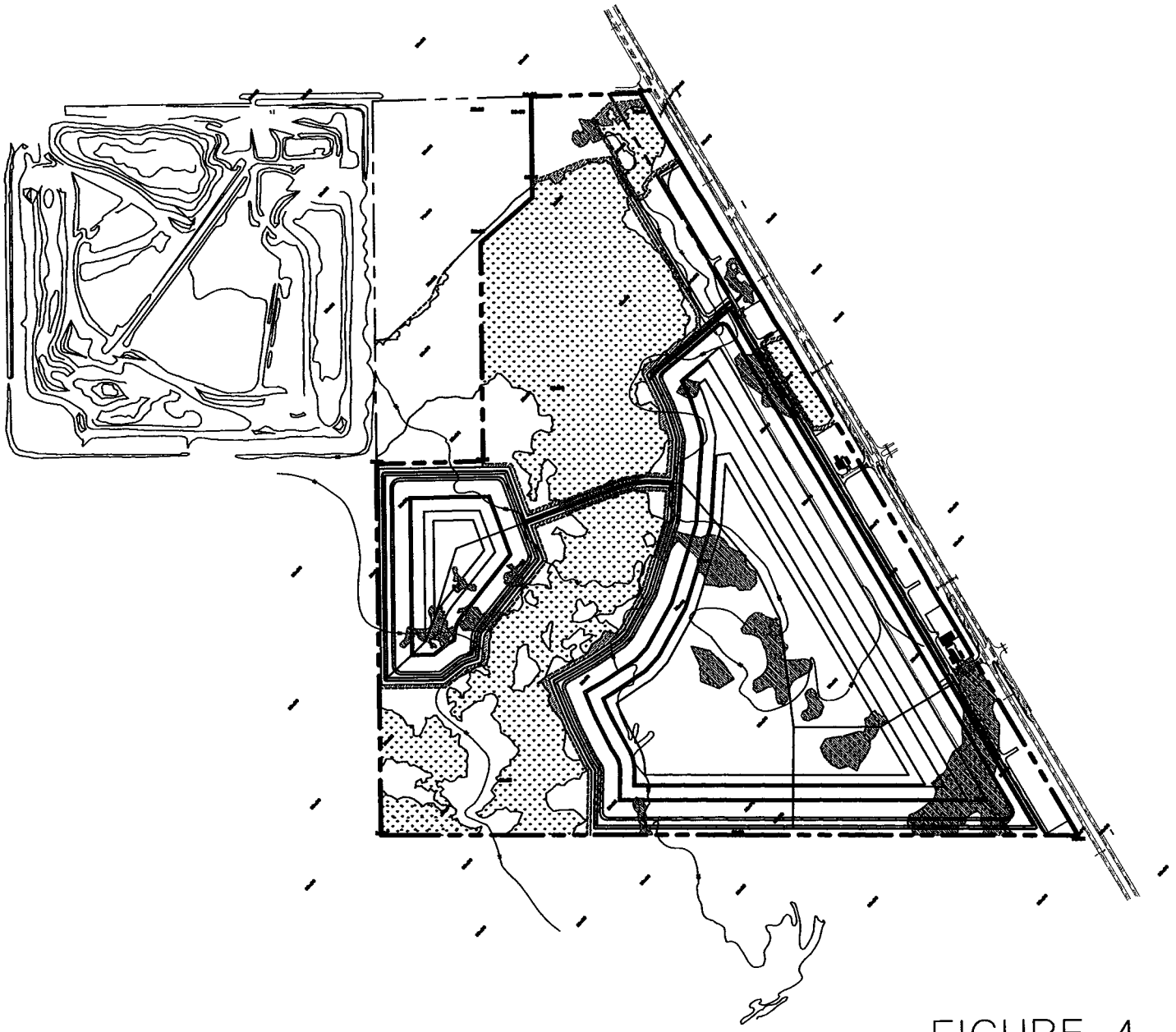


FIGURE 4

FEMA Map
(See Attached Application Package)

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630 Woodbury Drive
Port Charlotte, FL 33952
(941) 627-3366
Fax: (941) 743-2904 E-mail: pc@dufresne-henry.com

Copy of Deed or Contract

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Dufresne-Henry

630 Woodbury Drive
Port Charlotte, FL 33952
(941) 627-3366
Fax: (941) 743-2904 E-mail: pc@dufresne-henry.com

24-30-24-C

$ 28.50 Recording
$ - Documentary Stamps
$ - Intangible Tax

THIS INSTRUMENT PREPARED BY:
DENIS H. NOAH, ESQ.
P. O. Box 280
Fort Myers, FL 33902-0280

BARBARA T. SCOTT, CLERK
CHARLOTTE COUNTY
OR BOOK 1901 PAGE 0951
RECORDED 06/01/01 @ 04:00 PM
FILE NUMBER 817474
RECORDING FEE 28.50
INDEX FEE 2.00

#18

RETURN TO
MOORE AND WAKSLER, P.L.

TRUSTEE'S DEED

THIS INDENTURE, made this 22nd day of May, 2001, between **FRED M. ZEMEL, NATHAN ELI ZEMEL, MILDRED Z. KLEIN and FREDA ROMANOFF**, Substitute Trustees for the Charles and Lena Zemel Trust dated December 15, 1961, as amended December 9, 1968, whose address is c/o Jeffrey M. Gussoff, Esq., Wolff & Samson, 5 Becker Farm Road, Roseland, NJ 07068, Party of the First Part, and **SOUTHWEST LAND DEVELOPERS, INC.**, a Florida corporation, whose address is 28062-A Mitchell Avenue, Punta Gorda, FL 33982, Party of the Second Part,

WITNESSETH that the said Party of the First Part, for and in consideration of the sum of TEN ($10.00) DOLLARS and other good and valuable consideration, to them in hand paid by the said Party of the Second Part, the receipt whereof is hereby acknowledged, has granted, bargained, sold, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said Party of the Second Part, its successors and assigns forever, **an undivided one-fourth (1/4th) interest** in the following described land, situate lying and being in the County of Charlotte, State of Florida, to wit:

That portion of Section 30, Township 42 South, Range 24 East, Charlotte County, Florida, lying westerly of the Tamiami Trail (S. R. 45, U.S. Hwy. 41) and southerly of Zemel Road, LESS AND EXCEPT the following described parcel:

That portion of Section 30, Township 42 South, Range 24 East, Charlotte County, Florida and said portion being more particularly described as follows:

Beginning at the Northwest corner of the said Section 30, Township 42 South, Range 24 East, Charlotte County, Florida; thence S 89° 57' 42" E along the Northerly line of the said Section 30, Township 42 South, Range 24 East, a distance of 1144.18 feet to a point from which the North 1/4 (one-quarter) corner of the said Section 30, bears S 89° 57' 42" E, 1584.88 feet distance therefrom; thence S 01° 02' 20" W, parallel to and 1144.00 feet Easterly of the Westerly line of the said Section 30, a distance of 785.01 feet; thence S 50° 22' 17" W, a distance of 494.39 feet to a point; thence S 01° 02' 20" W, parallel to and 769.00 feet Easterly of the said Westerly line of Section 30, a distance of 1568.41 feet to point; thence N 89° 57' 42" W, parallel to and 2669.05 feet Southerly of the Northerly line of the said Section 30, a distance of 769.12 feet to the West 1/4 (one-quarter) corner of the said Section 30; thence N 01° 02' 20" E, along the

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IMAGED
KR

Westerly line of the Northwest 1/4 (one-quarter) of the said Section 30, a distance of 2669.05 feet to the "Point of Beginning".

LESS the Northerly 60.00 feet thereof for roadway purposes (Zemel Road Right of Way).

The above-described property is not the homestead nor is it contiguous to the homestead of the Party of the First Part.

Parcel Identification Nos.: 0073833-000000-0
0073831-000000-2
0073832-000000-1
0073830-000000-3

TOGETHER with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

AND the Party of the First Part hereby covenants with said Party of the Second Part that the Party of the First Part are lawfully seized of said land in fee simple; that the Party of the First Part has good right and lawful authority to sell and convey said land, and hereby warrants the title to said land and will defend the same against the lawful claims of all persons claiming by, through or under the said Party of the First Part, but against no others.

IN WITNESS WHEREOF, the said Party of the First Part have hereunto set their hands and seals the day and year first above written.

Signed, Sealed and Delivered In the Presence of:

Israel Segarra, Jr.
Witness Signature

Israel Segarra, Jr.
(Type/Print Name of Witness)

Franklin Dozier
Witness Signature

Franklin Dozier
(Type/Print Name of Witness)

, Trustee
FRED M. ZEMEL, Substitute Trustee for the Charles and Lena Zemel Trust dated December 15, 1961, as amended December 9, 1968

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Witness Signature

Robert NOVACK Esq.
(Type/Print Name of Witness)

Witness Signature

SUZANNE FULTON
(Type/Print Name of Witness)

NATHAN ELI ZEMEL, Substitute Trustee
of the Charles and Lena Zemel Trust
dated December 15, 1961, as amended
December 9, 1968

Witness Signature

Robert Novack ESq.
(Type/Print Name of Witness)

Witness Signature

DELIA CARTER
(Type/Print Name of Witness)

MILDRED Z. KLEIN, Substitute Trustee
of the Charles and Lena Zemel Trust
dated December 15, 1961, as amended
December 9, 1968

Witness Signature

Robert Novack, Esq.
(Type/Print Name of Witness)

Witness Signature

DELIA CARTER
(Type/Print Name of Witness)

FREDA ROMANOFF, Substitute Trustee
of the Charles and Lena Zemel Trust
dated December 15, 1961, as amended
December 9, 1968

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OR BOOK 1901 PAGE 0954

STATE OF New Jersey

COUNTY OF Essex

THE FOREGOING INSTRUMENT was acknowledged before me this 22nd day of May, 2001, by **FRED M. ZEMEL, Substitute Trustee of the Charles and Lena Zemel Trust dated December 15, 1961, as amended December 9, 1988**, who is personally known to me or who has produced _____ as identification.

My Commission Expires:

Migdalia Cesario
Notary Public

Type/Print Name of Notary

Commission No. _____

MIGDALIA CESARIO
A Notary Public of New Jersey
My Commission Expires July 26, 2004

OR BOOK 1901 PAGE 0955

STATE OF New Jersey

COUNTY OF Essex

THE FOREGOING INSTRUMENT was acknowledged before me this 14th day of May, 2001, by **NATHAN ELI ZEMEL, Substitute Trustee for the Charles and Lena Zemel Trust dated December 15, 1961, as amended December 9, 1968**, who is personally known to me or who has produced _____ as identification.

My Commission Expires:
4/26/05

Tara Benton
Notary Public

Tara Benton
Type/Print Name of Notary

Commission No. 2250107

TARA BENTON
NOTARY PUBLIC, State of New Jersey
No. 2250107
Qualified in Union County
Commission Expires 04/26/2005

STATE OF New Jersey

COUNTY OF Essex

THE FOREGOING INSTRUMENT was acknowledged before me this 14th day of May, 2001, by, **MILDRED Z. KLEIN, Substitute Trustee for the Charles and Lena Zemel Trust dated December 15, 1961, as amended December 9, 1968**, who is personally known to me or who has produced _____ as identification.

My Commission Expires:

Theresa A. Lozano
Notary Public

THERESA A. LOZANO
Notary Public of New Jersey
My Commission Expires 05/07/2004

Type/Print Name of Notary

Commission No. _____

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STATE OF New Jersey

COUNTY OF Essex

THE FOREGOING INSTRUMENT was acknowledged before me this 14th day of May, 2001, by, **FREDA ROMANOFF, Substitute Trustee for the Charles and Lena Zemel Trust dated December 15, 1961, as amended December 9, 1968**, who is personally known to me or who has produced _____ as identification.

My Commission Expires:

Theresa A. Lozano
Notary Public THERESA A. LOZANO Notary Public of New Jersey My Commission Expires 09/07/2004

Type/Print Name of Notary

Commission No. _____

#924748v1

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Operation & Maintenance Guidelines

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Dufresne-Henry

630 Woodbury Drive
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(941) 627-3366
Fax: (941) 743-2904 E-mail: pc@dufresne-henry.com

DRAINAGE CALCULATIONS

C & D Recycling and Disposal Facility
DH #9528898.01

January 30, 2004

Total Land Area: **372± Acres**

Drainage Basin Area: **270.953 Acres**
Project Basin Area: **187.949 Acres**

Existing Conditions
Wetlands: 143.0 Acres (89)
Upland Woods: 229.0 Acres (77)

Post Conditions

Impervious Area: 0.9632 Acres (98)
Landscape and Grass Area: 161.0858 Acres (80)
Dry Detention Area: 25.90 Acres (80)
Remainder of Onsite: 82.9961 Acres (77)

Weighted Curve Number:

Existing Conditions

The existing conditions only contain the upland area flowing into the wetland.

Basin Name: "Pre>bndy1" $CN = \frac{77*(32.754)}{32.754} = 77$

Basin Name: "Pre>bndy2" $CN = \frac{77*(64.662)}{64.662} = 77$

Basin Name: "Pre>bndy3" $CN = \frac{77*(113.085)}{113.085} = 77$

Basin Name: "Pre>bndy4" $CN = \frac{77*(60.452)}{60.452} = 77$

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Post Conditions

For the proposed site an average curve number of 80 was used for each developed basin flowing into the dry detention system. The bottom of the dry detention system will be built approximately 2' above the existing grade. The remainder of the undisturbed upland area flowing to the wetland was assigned a curve number of 77.

Basin Name: "B1>pond1" $CN = \frac{80*(63.339)}{63.339} = \mathbf{80}$

Basin Name: "B2>pond2" $CN = \frac{80*(19.422)}{19.422} = \mathbf{80}$

Basin Name: "B3>pond3" $CN = \frac{80*(12.257)}{12.257} = \mathbf{80}$

Basin Name: "B4>pond4" $CN = \frac{80*(64.114)}{64.114} = \mathbf{80}$

Basin Name: "B5>pond5" $CN = \frac{80*(28.817)}{28.817} = \mathbf{80}$

Basin Name: "REM-A>bndy1A" $CN = \frac{77*(18.378)}{18.378} = \mathbf{77}$

Basin Name: "REM-B>bndy2A" $CN = \frac{77*(32.983)}{32.983} = \mathbf{77}$

Basin Name: "REM-C/D>bndy4A" $CN = \frac{77*(31.635)}{31.635} = \mathbf{77}$

Treatment Required/Provided:

Basin	Acres	Pond	Treatment Required ft^3	Provided Treatment ft^3
B1	63.34	pond1	114,960.29	171,293.00
B2	19.42	pond2	35,247.30	35,397.00
B3	12.26	pond3	22,251.90	22,711.00
B4	64.11	pond4	116,359.65	116,922.00
B5	28.82	pond5	52,308.30	53,449.00

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Drainage Calculations

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Dufresne-Henry

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Fax: (941) 743-2904 E-mail: pc@dufresne-henry.com

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Basin Name: "Pre>bndy4" $CN = \frac{77*(60.452)}{60.452} = 77$

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