



PERMIT/LICENSE PROCEDURES

**MINIMUM REQUIREMENTS AND STANDARDS
OF CONSTRUCTION
AND
STORMWATER MANAGEMENT DESIGN CRITERIA**

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SECTION 1

1.1 INTRODUCTION

The purpose of this manual is to set forth the procedures and requirements for the permitting of improvements subject to the jurisdiction of Old Plantation Water Control District ("District").

All such work must be approved by the Board of Supervisors of the District. This approval may be granted in the form of a PERMIT or a LICENSE.

These procedures and requirements are subject to change by the Board of Supervisors of the District.

A PERMIT or LICENSE do not provide for any privileges, other than those specified in the PERMIT or LICENSE; and do not authorize any injury to private property or invasion rights, nor does it waive the governing requirements of any other agency or authority.

1.2 POLICY OF THE DISTRICT IN CONSIDERING AND ISSUING PERMITS/LICENSES

- A.** PERMIT/LICENSE issuance does not relieve permittee from the responsibility of obtaining any other State; Local or Federal permit for its work.
- B.** No PERMIT/LICENSE will be granted for any use of a District's works that will adversely affect such work or interfere with or impose hardships upon the District's operation, maintenance or construction activities.
- C.** No PERMIT/LICENSE will be granted for any use of the District's works when granting such would be inconsistent with the Amended Plan of Reclamation of the Old Plantation Water Control District.
- D.** The District reserves the right to:
 - 1.** Change, regulate and limit discharge into or withdrawals from District waters;
 - 2.** Require that water quality monitoring of discharge into District waters be done by the permittee; and
 - 3.** Amend or change any of its policies, practices, procedures or regulations, and such action shall not constitute any claim for damages, nor become the basis of a legal suit by any permittee.
- E.** The Board of Supervisors may require an annual inspection fee for use of District works.
- F.** Water Quantity discharge into District facilities will generally be limited in accordance with criteria established by the District Engineer.
- G.** A royalty will be paid to the District for any soil removed from the District's works.
- H.** In the event a structure being constructed, pursuant to a PERMIT/LICENSE, is a structure of a type which will be dedicated to the public, such as a bridge or a roadway over an easement or use dedicated to the public, the District shall have the right to require the permittee upon completion of said structure and dedication of the same to the public to assign this PERMIT/LICENSE to the governmental body having jurisdiction over the structure. It shall also be the responsibility of the permittee to secure the acceptance of said assignment by the appropriate governmental body indicating their agreement to accept the assignment of a PERMIT/LICENSE and to further agree to abide by the rules and regulations of the District, the conditions of a PERMIT/LICENSE and to maintain the structure, or structures, so assigned to said governmental body at no cost to the District.

- I.** If the proposed paved areas within the project are lower than either the calculated 10 year flood level or 7.0 feet NGVD, whichever is higher; then, a letter from the owner acknowledging that parking lot flooding will occur during the design storm event must be submitted prior to the issuance of the PERMIT/LICENSE.
- J.** All runoff must be directed through a green area or a SFWMD approved water body (with a separate control structure) prior to discharging directly into the District canal system. Any project that discharges into the District canal system without satisfying the above conditions will not be approved without the consent of the Board of Supervisors, or may be revoked, if previously approved, when said structure or improvement has been changed, modified or eliminated so as to permit runoff to be directly discharged into a District canal.
- K.** The permittee shall be required to maintain any bridge, seawall, bulkhead or any other approved structure, if any owned by the permittee, in a safe condition and in accordance with all Law ("Standards") at all times and should the condition of such improvement, fall below these standards then the owner or permittee, as the law may be, shall promptly repair the improvement to meet these standards or immediately, at no cost to the District remove the improvement.
- L.** The District reserves the rights, without cause, to cancel any PERMIT/LICENSE which permits the use of its rights of way or specifically dedicated easements.

1.3 PERMITS/LICENSES

A PERMIT/LICENSE, as issued by the District, is simply an acknowledgement that the specific use of private or public land as requested by the applicant is proper and conforms to the requirements, standards or PERMIT/LICENSE of the District and general law. They convey no rights other than as specified and create no vested rights. Should any Federal, State, or County law, regulation, or ordinance require modifications or retrofitting after the date of a PERMIT/LICENSE, then the permittee is obligated to comply with the same.

A. Duration, Cancellation of Permits/Licenses

A PERMIT/LICENSE becomes effective upon the date of its delivery to the permittee and is valid for the period of time stated on the PERMIT/LICENSE unless cancelled by the District. Failure to perform the construction authorized within the construction period as shown on the PERMIT/LICENSE shall serve to cancel the PERMIT/LICENSE. However, an extension of the construction period may be granted by the District, providing a written request for such extension is made to the District prior to the expiration date. A PERMIT/LICENSE, which does not provide for immediate cancellation without time limit, may be cancelled upon thirty (30) days written notice to the permittee. The affected permittee may file a written petition for hearing no later than ten (10) days after notice of cancellation is served. PERMITS/LICENSES are subject to immediate cancellation without thirty (30) days written notice or prior hearing if an emergency condition exists and the continued exercise of the PERMIT/LICENSES might endanger lives or property. Upon written petition to the Board, the affected permittee shall be afforded a hearing by the Board within fifteen (15) days from the receipt of such petition.

B. Successors and Assigns

This PERMIT/LICENSE shall be binding upon the parties' successors and assigns. Owner shall not assign this PERMIT/LICENSE without prior written consent of the District, which consent will not be unreasonably withheld. Notwithstanding the provisions of the immediately preceding sentence, owner may assign its rights under this PERMIT/LICENSE to future owners. Permittee shall provide to the District thirty (30) days written notice of its request to assign this PERMIT/LICENSE. This request to assign shall state the names and addresses of the parties to the proposed assignment, the date of the proposed assignment, the terms of the assignment, the signatures of the assignor and the assignee, and accompanying this request there shall be a consent form, provided by the District, signed by the assignee, wherein the assignee agrees to be bound by and perform the obligations of this PERMIT/LICENSE. Applicable assignment/transfer fee will apply.

C. Alteration, Repair or Removal of Structures

1. In the event that the requirements or interests of the District indicate that the alteration, repair or removal of any structure or work installed by the permittee within the District works is necessary, sixty (60) days written notice shall be given to the permittee. The permittee may file a written petition for a hearing. Such petition shall be filed no later than ten (10) days after notice of alteration, repair or removal is given. Should the permittee fail or refuse to alter, repair or remove the structure or work when so notified, or required after a hearing, the District may alter, repair or remove the structure or work and the costs incident thereto shall be paid by the permittee.
2. Structures or works installed by the permittee within the District works are subject to immediate alteration, repair or removal without sixty (60) days written notice or prior hearing if an emergency condition exists and the continued exercise of the PERMIT/LICENSE authorization might endanger lives or property. In such emergency situation, the District will notify permittee, if practical, of the action required. Failure of a permittee to carry out such emergency action when notified will be considered cause for immediate cancellation of PERMIT/LICENSE (or alteration, repair or removal of structures or works for which the PERMIT/LICENSE was issued by the District.) The affected permittee shall comply immediately with emergency orders.

D. Temporary Permit/License

Temporary PERMITS/LICENSES will be granted only upon specific approval of the Board of Supervisors of Old Plantation Water Control District. Temporary PERMITS/LICENSES will only be granted for installations wherein the cancellation of the same on short notice would institute a manifest hardship or injustice. Temporary PERMITS/LICENSES will be granted only for major installations such as bridges, roads, water, gas or sewer lines, other public utilities or similar installations which require a degree of permanency before the same can be installed. The terms of all Temporary PERMITS/LICENSES will be specifically drafted to meet the situation involved for the type of installation for which said PERMIT/LICENSE is requested. Cancellation rights shall be governed by the terms of said PERMIT/LICENSE.

E. Emergency Provisions

When in the opinion of the District, the continued exercise of a PERMIT/LICENSE might endanger lives or property, because of an emergency, both the thirty (30) and sixty (60) day notification specified under SECTION 1.3 may be dispensed with by the District. In such emergency situations, the District will notify the permittee, if possible, of the action required.

F. Permit/License Modifications and Relocations

Modification to existing uses under PERMIT/LICENSE and location of structures and facilities to a new site having similar site factors may be made without applying for a new PERMIT/LICENSE. A letter requesting the desired modification must be accompanied by six (6) prints of the original drawing clearly showing both the existing situation as approved by the District and the proposed modification. If the proposed modification is acceptable to the District, the permittee will be notified by a letter of amendment. The permittee, with the District's permission, may allow a third party the use of his permitted facility.

The District shall have the right to charge a modification and relocation fee in connection with any modification or relocation of an existing PERMIT/LICENSE, in accordance with a schedule of said fees maintained at the office of the District, which schedule may be modified from time to time.

G. Obligations of Permittee

Each permittee under this part shall be required:

1. To abide by the terms and conditions of the PERMIT/LICENSE issued to applicant;
2. To maintain any permitted use in a good and safe condition;
3. To not do or permit any act or thing to be done that is the subject of this PERMIT/LICENSE which will subject the District, its employees, or its supervisors to any liability or responsibility for injury or damage to persons or property or subject it to responsibility for a violation of laws, and will exercise such control over its construction or the area of its PERMIT/LICENSE so as to fully protect the District, its employees, and its supervisors against these possibilities. Permittee will defend, indemnify and save the District, its employees, and supervisors harmless against any and all liabilities, suits, obligations, fines, damages, judgments, assessments, penalties, claims, costs, charges, expenses, including without limitation, court costs, deposition fees, investigative fees, expert fees and attorneys' fees, which the District, its employees and its supervisors may incur as a result of claims, lawsuits, administrative proceedings, governmental prosecution or legislative claim's bills arising out of the permittee's use of this PERMIT/LICENSE whether at trial or upon appeal. This obligation to indemnify and hold harmless shall exist whether the acts complained of were caused by permittee, its agents, servants, employees, independent contractors or other third parties or were caused by the condition of the District's right-of-way. Additionally, permittee shall permit no liens to be filed against the right-of-way, and shall at its own cost and expense, bond off the same and indemnify and hold the District harmless from any and all liability,

suits, obligations, damages claims, costs, charges and expenses, including without limitation, court costs, investigative fees, deposition fees, engineer's fees, architect's fees, attorney's fees incurred by the District in resisting such a claim or defending such a lien, whether the same be before trial, at trial or at an appellate level.

4. To allow inspection at any time by the District of any use established under PERMIT/LICENSE;
5. To take all feasible measures acceptable to the District to prevent the discharge of debris or aquatic weeds into any District work by the permitted use;
6. To promptly perform any modification, alteration or relocation required by the subsequent amending of the "Permit Procedures and Minimum Construction Standards" if deemed necessary by the District;
7. To accept full responsibility for any erosion to or shoaling in any District works directly attributable to the permittee's use thereof and to repair or remove same at no expense to the District.
8. To plant no trees or shrubs or to erect no structures that will limit or prohibit access of District equipment or vehicles unless specific official authorization to do so is previously obtained in writing;
9. Upon completion of the construction specified in the PERMIT/LICENSE, the District requires an "As-Built" plan for the referenced project embossed with the following statement; signed and sealed by an engineer registered in Florida:

Such Certification shall be in substantially the following form:

" I, _____, a Florida registered _____, whose Florida Professional License Number is _____, certify that I have reviewed the as-built plans which accompany this certification and that the as-built plans are in conformance with the plans which had been originally submitted to the District for approval and for which the PERMIT/LICENSE was issued. The changes or modifications to the plans as originally approved are as follows: _____ [If no changes or modifications state NONE] ."

10. To provide such bonds and assurances as deemed necessary by the District;
11. To assure that discharges of water are, at a minimum, of such quality that will not degrade the quality of the receiving body or will meet the standards of the Florida Department of Environmental Protection for the receiving body, whichever is higher.

- 12.** To maintain, modify, or repair any structure or drainage system to meet the requirements of any Federal, State, or County law, regulation or ordinance as adopted from time to time.
- 13.** To provide inspection report every five years from permit issuance date certified by a Florida professional registered engineer that the stormwater management system is operating as permitted by Old Plantation Water Control District. In addition, the entity will state in the report what operational maintenance has been performed on the system. Reports shall be submitted on form: STORMWATER INSPECTION REPORT (See Exhibit 3.1).
- 14.** To provide from time to time water quality data for any water discharged from the permittee property shall be submitted to the District as required. Parameters of interest including but are not limited to Nitrates, (as N), Nitrites (as N), total Kjeldahl nitrogen (as N), ammonia (as N), total phosphorus (as P), Ortho-phosphorus (as P), total dissolved solids, total suspended solids and 5-day, 20 C. BOD.
- 15.** To reimburse all legal fees and cost incurred by the District's Attorney and Engineer in preparing documents required by the District as part of the PERMIT/LICENSE process of documents shall be paid by the applicant. The applicant or property owner may be required to post in escrow an amount determined by the District, which shall be applied toward payment of the expenses. If the escrow amount is insufficient to pay all fees incurred, the applicant or the property owner will be responsible for the difference.
- 16.** To obtain a PERMIT/LICENSE before commencing any improvement. In the event a property owner and /or developer including, but not limited to governmental agencies and utilities companies, should commence or complete work within the District that requires the issuance of a PERMIT/LICENSE by the District, without prior approval or issuance of a PERMIT/LICENSE, upon notification by the District, the property owner/developer shall immediately cease all work which has not been permitted by the District. The property owner/developer shall then submit a PERMIT /LICENSE application with all the applicable permitting data to the District and shall pay a PERMIT/LICENSE application fee according to current fee schedule (see www.opwcd.org), in addition to all legal fees, engineering fees and other expenses incurred by the District as a result of the property owner/developer proceeding with the work without approval, including notification cost. The cost of all court proceedings and attorney's fees incurred by the District, if litigation is commenced by the District for such a violation shall be taxed as costs against the owner.

H. Application for PERMIT/LICENSE

Requesting an Application for PERMIT/LICENSE:

Blank PERMIT/LICENSE application forms are provided by the District and/or a sample application form is shown on Exhibit 2. Application forms are available on the District's website, or an application form may be obtained in person, by letter or by phone. The District office is located at 8800 N. New River Canal Rd. in Plantation. The District's mailing address is Post Office Box 15405, Plantation, Florida 33318. The telephone number is (954) 472-5596. There is a fee, as established by the Board of Supervisors, required with the submittal application. (Visit our website at www.opwcd.org for current fee schedule)

PERMIT form shown on Exhibit 3, is a sample of the approved PERMIT that will be returned to the permittee.

Preparing the Application:

Item (1) - Simply state what use is intended, i.e., bridge crossing, culvert connection, beautification of right-of-way, etc.

Item (2) - Self-explanatory (information can be obtained from your deed or tax notice).

Item (3) - Refers to District works involved, for example, East Holloway Canal. See map of Old Plantation Water Control District, Exhibit 11.

Items (4) and (5) - Self-explanatory.

Item (6) - Of minor importance when not affecting water control. If a bridge is to provide access to owner's property, so state. This information must be completed for culvert and/or pump installations giving capacities as well as acreage being drained or irrigated.

Note: Be certain the application is dated and signed by owner or designated officer or official and return all copies with required drawings.

I. Preparation of the Drawing or Sketch:

Drawings are to be submitted on letter size (8 1/2" x 11") paper or on plans 24" x 36" sheets. Five (5) prints or an original and four (4) legible prints are required. One (1) print will be returned either with the rejected application or the approved PERMIT/LICENSE. See Exhibits 4 through 10 for the various types of permits as shown in the back of this manual.

Drawings should be to scale or properly and adequately dimensioned. To be acceptable, a drawing or sketch will show a location plan and a cross section or elevation.

The location plan shall locate the installation or construction by referencing it to a section line, a road or some obvious and permanent landmark, and shall include the legal description of the real property upon which the installation or construction is located.

The plan and cross section or elevation should clearly portray the construction in its relationship to the channel and/or right-of-way. Certain elevations must be designed to facilitate processing for the application. These are: Canal bottom elevation, water surface elevation and ground elevation expressed in Mean Sea Level (MSL). The elevation of the low member of a bridge span must be shown. For overhead wire crossings and in the case of water or gas lines, low member elevation must also be indicated on the drawing.

J. Stormwater Management & Dewatering Permit/License

For Stormwater Management and Dewatering Permits/Licenses, there is a permit/license fee, as established by the Board of Supervisors, required with the submitted application. In the event plans are rejected and resubmitted to the District, the District shall charge the submitting applicant for additional fee equal to the cost of the reviewing the plans prior to final approval of the plans.

1.4 BRIDGE CROSSING (See Exhibit 4)

Bridges constructed over the canals within the boundaries of the District require crossing having a fifteen (15) foot horizontal clearance between center bents. The lowest point of the low bridge member shall have a minimum elevation of 7.5 feet MSL. This District reserves the control in establishment of the required vertical clearance.

Bents and bridge piers are required to be so located that they will not catch debris or interfere with the normal flow of water.

Pilings should be placed parallel to the major axis of the canal and protected in order that future clean out under the bridge can be accomplished. Details of fencing at crossing, headwalls, wingwalls and other special items will vary from site to site depending on soil conditions and other factors.

The issuance of bridge crossing PERMIT/LICENSE can be expedited if contact with the District is made prior to the submission of a formal application. The design water surface elevations and other pertinent data will be furnished upon request for any desired location. Applications, which are based on the correct design data from the District are processed with a minimum of delay.

All bridge structures over District waterways shall be designed and certified by a professional engineer registered in the State of Florida. The District has no minimum requirements relative to design loading or type of construction, this is left to the option of the Applicant's engineer.

Bridge approaches shall be designed and constructed in such manner as to not interfere with the passage of the District's maintenance equipment along the canal right-of-way, which shall include, but not be limited to, draglines and lowboy tractor trailers. Bridge approaches shall be properly graded, shaped or otherwise treated to prevent erosion of the District's levees, berms and canal banks; drainage structures will be required as shown on Exhibit 4. The intake side of all culverts shall be outside of District rights-of-way.

A certified cross-sections prepared by a professional land surveyor of the canal bottom as it exists, taken at the centerline of the proposed work, showing the entire canal bank to bank, drawn to scale, shall be submitted with the application.

1.5 CULVERT CONNECTIONS (See Exhibit 5)

The connection of pumps or channels to District canals or levees is usually accomplished by means of culverts.

Culvert size, diameter and material type varies with the requirements for each connection, however, in every instance a maintenance road or berm of not less than 20 feet top width must be provided. The diameter of the culvert must be such that the purpose of the installation will be adequately and properly served under allowable conditions.

Concrete type endwalls are required at ends of all culverts. Florida Department of Transportation standard types are required.

All installations shall include necessary erosion control measures. Should any connection prove inadequate to serve the needs of the installation with resulting washout or shoaling, said damages to the District works shall be repaired promptly by the permittee at no cost to the District.

1.6 PUMP CONNECTIONS (See Exhibit 6)

Such uses of a District works usually involve a permanent or semi-permanent installation. Since no permanent pumping stations are allowed on District right-of-way, a culvert connection is the usual means by which a pump connection is made. The standards applicable to culvert connections are the criteria used in such type installation.

The settling basin or forebay is also located clear of District right-of-way.

Under no circumstances will the discharging of noxious aquatics or any debris be tolerated. Every installation must incorporate adequate erosion and anti-shoaling measures in the design and construction.

1.7 OPEN CHANNEL (NO CULVERTS) CONNECTIONS

On District canals where no maintenance road is required or no levee exists or is planned, an open channel directly through the right-of-way may be made.

If, in the opinion of the Engineer, there is danger of short circuiting the water control system or other adverse effects, a gated or flashboard control structure will be required.

Any provisions needed to protect the District channel and berm from erosion or shoaling shall be made at the time of excavation.

Under no conditions, directly or indirectly, will discharging of noxious aquatics, raw sewage, garbage, or debris of any nature into a District channel be tolerated. Such action will constitute grounds for the cancellation of the PERMIT/LICENSE.

1.8 SEWAGE EFFLUENT LINES (See Exhibit 6)

Connection of this type can be authorized. Lines crossing District right-of-way shall be no less than 30 inches below the surface of the berm and proper erosion control facilities must be provided at the outfall end of the installation.

Such installations must have the approval of the Florida Department of Environmental Protection Agency and all other governmental agencies having jurisdiction.

The effluent shall be satisfactorily treated prior to discharge into the District facility so that is shall not contribute to the degradation of District waters as a suitable environment for aquatic organisms so as to reduce the District's waters below the standards established by the Department of Environmental Protection Agency of the State of Florida.

1.9 BEAUTIFICATION (See Exhibit 7)

Improvements such as grass, low plantings, grading and the construction of removable fences are permissible on the District's right-of-way, with the understanding that such improvements are made at the risk and peril of the permittee and are subject to prompt removal by permittee at his expense upon notification by the District. Upon failure of the permittee to remove such improvements, when so requested, the District may remove or otherwise destroy the same without liability or responsibility.

The permittee shall indemnify the District against any discharge of pollutants or hazardous materials which constitute a violation of the laws or regulations of the United States of America, the State of Florida or Broward County, governing the environment, including, not only any damages incurred by any government agency or any third party, but also any fines which might be levied by a governmental agency, together with any costs or attorney's fees incurred by the District in defending any such claim, proceeding or lawsuit, all in accordance with the provisions for the indemnity contained in the PERMIT/LICENSE.

1.10 UTILITIES CROSSINGS

Overhead Crossings (See Exhibit 8)

Overhead power and telephone line crossings must have a minimum vertical clearance of forty (40) feet between low wire elevation and elevation of the berm or natural ground, whichever is greater.

When such installations cross District levees a minimum clearance of twenty-five (25) feet between low wire elevation and top of the levee will be required.

Overwater Crossings (See Exhibit 9)

When such construction is supported on piling, the minimum horizontal clearance between piling shall be 15 feet, and the lowest elevation of the bottom of pipe shall be 10.0 feet MSL. Should installation be made adjacent to an existing bridge, piling will be aligned with the bridge piling so that a minimum of obstruction to the flow of water by accumulation of debris is assured. Suitable barriers shall be provided to deter public access onto the crossing structure.

Submarine Crossings (See Exhibit 9)

Submarine crossings of any nature such as cables, water or fuel (gas) lines, etc., shall be laid to a predetermined depth and cross section that will provide for not less than 36 inches of cover. Applicant is to supply adequate cross section certified by professional land surveyor of canal bottom prior to submittal of proposed plans.

1.11 BULKHEADS (See Exhibit 10)

Construction of bulkheads, not prejudicial to the water control program, may be authorized under PERMIT/LICENSE. Each application will be judged on its merits and must meet the requirements of the specific location.

The applicant should contact this District prior to applying for the local requirements in the area.

Exhibit No. 10 should be consulted in order that the drawings submitted with the application will show all pertinent data required for processing.

Note: Under no circumstances should it be assumed that the sample drawing sets forth the type of construction or dimensions suitable for bulkheads. The purpose of the drawing is to indicate the pertinent details and dimensions needed to properly evaluate an application.

1.12 BOAT DOCKS AND LAUNCHING RAMPS

The District will not issue PERMITS/LICENSES for the construction or repair of docks, platforms, wharfs, decks, piers, landings or structures upon the easements and the rights-of-way which are serviced by the Old Plantation Water Control District in non-tidal waters.

1.13 BOAT DOCKS IN TIDAL WATERWAY

Contact District Office for: "CRITERIA FOR DOCK MAINTENANCE IN TIDAL WATERWAYS OF OLD PLANTATION WATER CONTROL DISTRICT"

1.14 FENCES

Fencing on District right-of-way that would prohibit continuous access is not allowed; however, under certain conditions fencing upon the right-of-way and parallel to it can be permitted. This District should be contacted prior to the planning of any fencing on its rights-of-way.

Any PERMIT/LICENSE issued authorizing fences as aforesaid shall be subject to all of the policies of the District and the terms and conditions of the PERMIT/LICENSE permitting the same.

1.15 USE OF DISTRICT LEVEES AND BERMS FOR PRIVATE ACCESS

Generally, use of the levees and berms for access will not be permitted.

Any PERMIT/LICENSE issued authorizing the use of levees of berms for access shall be subject to all of the policies and conditions of District Standard, plus any special conditions required by the Board of Supervisors of Old Plantation Water Control District.

SECTION 2

2.1 PURPOSE OF CRITERIA

The Stormwater Management Design Criteria has been developed to provide Engineers and Land Planners with a set of requirements for the hydrologic and hydraulic design of new projects within the Old Plantation Water Control District (hereinafter referred to as the District).

This report details the information required on a PERMIT/LICENSE application to the District for discharge of stormwater runoff directly or indirectly into the District waterways.

2.2 PERMIT/LICENSE OBLIGATION

All new development projects located within the Regulation Area as shown on Exhibit 11 shall require that a Florida Registered Professional Engineer submit to the District a PERMIT/LICENSE application for the discharge of stormwater runoff into the District waterways. The project information and engineering analysis contained in the PERMIT/LICENSE application shall conform in content to the requirements presented on Exhibit 1, Checklist for New Development Projects within the District.

The criteria presented in this report are intended to supplement the established rules and regulations of other governmental regulation agencies. Submittal of a PERMIT/LICENSE application to this District shall in no way eliminate the applicant's obligation to conform to the rules, regulations, policies, or permitting/licensing procedures as required by other governmental regulation agencies, such as the South Florida Water Management District and Department of Environmental Protection Agency.

The developer's engineer of record shall submit an affidavit stating that the project has been completed in substantial conformance with the plans which had been originally submitted to the Old Plantation Water Control District for approval and for which the PERMIT/LICENSE was issued. If applicable, this affidavit shall also state all changes or modifications to the plans as originally approved.

2.3 LAND USE EFFECTS OF STORMWATER DISCHARGE CRITERIA

The major effect of the District's Stormwater Discharge Criteria on Land Use will be the utilization of a portion of the project area for stormwater storage¹. As a general guide to the applicant, the following percentages of water management areas² for stormwater storage are presented for project land use planning purposes within the District. The applicant is cautioned that a detailed analysis of the project hydrology may require a stormwater storage volume different than the percentages presented in this section.

A. Allowable Discharge Curve - Industrial and Commercial

Projects that range in area from 2 to 10 acres should reserve approximately 10 percent of the total project areas for water management areas. Projects above 10 acres in areas should reserve from 10 to 15 percent for water management areas. Projects smaller than 2 acres may require little or no area for water body storage.

B. Allowable Discharge Curve - Other Areas

Projects larger than 2 acres should reserve from 10 to 15 percent of the total project area for water management areas. Projects smaller than 2 acres may require little or no storage to meet the allowable discharge curve.

The applicant will be required to provide on-site retention storage for 1 inch of runoff from the project area, or runoff from a 3-year, 1-hour rainfall event, whichever is greater. The retention of South Florida Water Management District will require that the retention storage volume be retained on-site before the outlet structure passes significant runoff volumes to the District waterways. On-site retention of the initial project runoff is a technique adopted by South Florida Water Management District for improving the water quality of stormwater runoff discharged into receiving waterways. The outlet structure should be designed to release this retained 1-inch of runoff in a minimum of approximately 5 days by the use of a notch or orifice in the outlet weir. The South Florida Water Management District retention requirements have been included as part of the water body percentages presented in this section.

¹ *Stormwater Storage*: A Retention/Detention area wet or dry is a "Water Storage Area" which bottom elevation varies above at or below the water control elevation. (SFWMD – Basis of Review for Environmental Resource Permits, 2.31 – 2.32)

² *Water Management Areas*: Areas to be utilized for the conveyance, treatment or storage of storm water. (SFWMD – Basis of Review for Environmental Resource Permits, 2.38)

2.4 DESIGN CRITERIA FOR STORMWATER DISCHARGE

The Design Criteria for Stormwater Discharge has been developed for sizing and evaluating the project outfall structures under the allowable discharge criteria as established by the District for the design rainfall event. The design of secondary storm drainage systems which do not directly discharge into District waterways shall, in addition, be subject to the City of Plantation design criteria.

A. Proposed Project Development

The applicant shall submit, as part of the PERMIT/LICENSE application, a land use plan showing the total area of the proposed project development. The applicant shall indicate on the land use plan the proposed phased construction for the total project.

The project water management plan shall be developed for the total project area under the Design Criteria for Stormwater Discharge. The applicant shall be required to submit a PERMIT/LICENSE application for each phase of the project construction in order to ensure compliance with the total project water management plan.

B. Design Rainfall

1. Frequency and Duration: 10-year, 24-hour storm.
2. Distribution:
 - a. For a method of analysis utilizing the Rational Formula, the applicant shall use the Florida Department of Transportation Rainfall Intensity Duration Curves for Zone 10.

The Applicant shall be further required to evaluate the effects of the 10-year, 24-hour rainfall volume of 9.5 inches (See Exhibit 13) on the proposed water management system.

- b. For other methods of runoff analysis, the applicant shall use the 1-year, 24-hour design rainfall distribution shown on Exhibit 13.

C. Runoff

1. The project shall be analyzed in a wet soil moisture condition after 2 inches of infiltration has entered the ground. Two inches of infiltration can generally be expected to reduce the volume of ground storage by approximately 1 foot.
2. The post-project ground storage capacity shall be taken into account when determining runoff volumes.

The volume of soil available to store infiltration is defined as the soil above the maintained District water level (4.0 feet MSL) beneath pervious surfaces only. The volume of available ground storage is the soil volume available to store infiltration reduced by the storage capacity of the soil. The storage capacity of the soil may be determined by soil analysis, but in lieu of soil analysis and as a general guideline for the storage capacity of soils in the south Florida area, 6 inches of soil will store 1 inch of infiltration.

D. Surface Storage

Surface storage is defined as the combination of storage available in water bodies, retention/detention areas, and surface areas subject to flooding. The applicant shall submit a surface storage and area flooded versus stage curve in the PERMIT/LICENSE application.

E. District Design Water Surface Elevation

The applicant shall analyze the operation of the project outfall under the 10-year design storm conditions assuming there is not activity in the system (pumps are off, no discharge, no rainfall) and static tail-water surface elevation of 4.0 feet MSL in the District waterways.

F. Allowable Discharge

The allowable discharge is defined as the peak allowable discharge from the applicant's project for the 25-year 3-day design storm rainfall as follows:

Day 1 = 1.5 inches
Day 2 = 3.8 inches
Day 3 = 14.3 inches

Two allowable discharge curves are presented as part of the Stormwater Discharge Criteria.

The first discharge curve as shown on Exhibit 12 (Sheet 1 of 3) will apply to Industrial and Commercial projects which meet the following criteria:

1. Sixty-Five percent (65%) of the total project areas should be impervious. This impervious area includes building coverage, pavement and parking lot coverage. The water surface area of the project water bodies will not be considered as impervious area in determining the percent of impervious coverage. The District will allow the use of approved pervious pavers for no more than ten (10%) of the project's surface area.

2. The project is located within one of the following zoning districts as established by the City of Plantation.

- I-E** Institutional - education district
- B-1** Neighborhood business district
- B-2** Central business district
- B-3** General business district
- B-3X** (Unclassified)
- B-4** Restricted business district
- C-1** Commercial district
- L-1** Light industrial district
- PCD** Nonresidential

The second discharge curve as shown on Exhibit 12 (Sheets 2 and 3 of 3) is designated as Allowable Discharge curve - Other Areas. Projects which do not meet the limiting criteria for the Industrial and Commercial Allowable Curve shall determine the project allowable discharge from this curve.

The drainage areas for each District canal in the regulation area are shown on Exhibit 11. The applicant shall determine the area of the proposed project located in each canal drainage basin. The applicant shall enter the applicable Allowable Discharge Curve (See Exhibit 12) and determine the allowable discharge for the project area located in each canal drainage basin. The total project allowable discharge shall be the sum of the individual allowable discharge values determined for the project area located in each canal drainage area.

The drainage areas for each canal (See Exhibit 11) have been delineated to promote the full utilization of the District waterways by eliminating the diversion and drainage of large District land areas to a single District waterway. The following policy is established for projects which occur in two or more drainage areas. The area of proposed project which occurs in each delineated drainage area on Exhibit 11 is determined and the allowable discharge obtained from the appropriate Allowable Discharge Curve. At least 90 percent of this allowable discharge shall be discharged to the District waterway, which serves the delineated drainage areas on Exhibit 11. The conveyance of the minimum discharge may be through tributary drainageways or by direct connection to the District waterways. The remaining 10 percent of the allowable discharge may be added to the allowable discharge for the project area located in an adjacent delineated drainage area.

Implementation of a minimum allowable discharge policy may create an undue hardship on projects where only a small portion of the project lies in another drainage area or the project is unable to obtain an easement to another District waterway. In that case, the applicant may submit a request for a variance from the District.

G. Outfall Structure Criteria

1. Projects which require SFWMD PERMITS will require outfall structures that will regulate the discharge of stormwater runoff so as obtain the retention requirements outlined in the section on Land Use Effects of Stormwater Discharge Criteria. A general guideline for the designer of these outfall structures for a project, which would utilize water bodies for storage, is as follows:

The outfall structure would regulate the water levels in the project at the desired maintained level, which for most projects would be 4.0 feet MSL. The runoff volumes from the project would be directed to the water retention areas, and the outfall structure would restrict discharge through a notch or orifice until the stage in the water retention areas reaches a retention level determined by the size of the retention area and the volume from 1 inch of runoff, or the runoff from a 3-year, 1 hour rainfall, whichever is greater. For stages exceeding this level, the outfall structure would be designed to pass the greater portion of the allowable discharge. After runoff stops and the stage in the water retention area returns to the required retention level, the outfall structure would have a "bleed off" capability of removing the retention volume in approximately 5 to 7 days through the notch or orifice in order to return the water retention area stages to the maintained level of 4.0 feet MSL.

Outfall structures shall be designed such that for the 25-year design storm the sum of the discharge through the "bleed off" system and the retention level spillway shall not exceed the allowable discharge for the 25-year, 3-day storm as per the runoff curves presented in this report.

2. The minimum pipe size for a project outfall structure shall be 24-inch diameter into a District waterway.
3. Project outfall structures shall discharge the design flow at a peak exit velocity not to exceed 3.0 feet per second into a District waterway.
4. Outfall structures for open storage areas shall be similar to the one shown on Exhibit 18 or equal.

H. Exfiltration Systems

If an exfiltration system is utilized, the District will accept calculations for their design based on any number of currently accepted design procedures provided a logical methodology for their use is provided. The District will, however, require that the following minimum design criteria be met.

1. A percolation test similar to the following (I) or equivalent test must be performed and approved prior to conducting test.
2. A factor of safety of 2 shall be required for analyzing the exfiltration for 24-hour storm events.
3. Design of the exfiltration trench shall be similar to the "Exfiltration Trench Detail" shown on Exhibit 15.
4. At the last drainage structure prior to discharge from the site, a control structure shall be provided similar to the structures on Exhibits 16 or 17.

I. Percolation Test Procedure

The following procedure is suggested as a method of determining the exfiltration value of the soil. The proposed percolation tests are to be at approximately 600' intervals. These tests are run in accordance with the following test procedure:

1. Auger six-inch (6") diameter hole to a minimum depth of two feet (2') below the water level or to an elevation established by the Engineer in charge. It is important to establish the depth of test as nearly as possible to the depth of the proposed exfiltration trench.
2. In areas subject to cave ins, i.e. areas with loose sand or rock use 8" hole and lower test casing (as described on Exhibit 14) into augured hole.
3. Record and date, project name, project number test number, test location, surface elevation of water table and elevation of bottom of casing.
4. Using a water supply, fill the casing and keep it filled until the soil surrounding the casing becomes saturated and then record time for water to drop in hole in six-inch (6") increments.

2.4 DESIGN CRITERIA FOR DEWATERING ACTIVITY

Definition

“Dewatering” means the use of wells or other such equipment to temporarily lower a water level, as may be necessary during construction activities.

Permitting/Licensing

A Dewatering Water Use Permit/License is required when the excavated waters of a construction site must be removed via a pumping system to complete work during construction activities. If dewatering is required due to a high-water table, the State of Florida requires a Generic Permit (40E- 2.061, F.A.C. General Permits by Rule) for the Discharge of Produced Groundwater from any Non-Contaminated Site Activity. If dewatering uncontaminated water and pumping to the public right-of-way, a permit from the City of Plantation or Broward County might be needed. Depending on where the water goes, permits from additional agencies might be required, such as Florida Department of Transportation and the South Florida Water Management District. Some activities that might require dewatering include, but are not limited to:

- Withdrawals of water for construction activities
- Short-term Remediation Action Plans
- Aquifer performance tests

Permit/License Application Guidelines and Criteria

The dewatering permit/license plan for review shall include:

- Dewatering Plans (plans shall include project boundaries, location of proposed dewatering activity, sedimentation tanks, turbidity barriers, discharge points, berms, monitoring points, etc.). Dewatering plans shall be signed and sealed by a Professional Engineer or a Professional Geologist, (Chapter 471 or 492, Florida Statutes).
- Purpose of dewatering (i.e., an explanation of why dewatering is necessary).
- Dewatering technique (i.e., well-point, deep well, open hole, etc.).
- Total dewatering duration.
- Method of effluent discharge. If pumping is required, provide anticipated dewatering flow rate. The pump design must be proportional to the size of the sedimentation tank as calculated by the Engineer of Record. No sedimentation or shoaling in offsite waters is authorized.

- Controls (i.e., settling tank, turbidity curtain, etc.) and a monitoring program employed to ensure that effluent will comply with applicable water quality standards, at a minimum.

Propose sampling locations and **daily** turbidity measurements. Discharge shall not contain turbidity levels in violation of State Water Quality standards: < 29 NTU (Nephelometric Turbidity Units) above background levels.

- Contingency plan, which includes procedures for ceasing dewatering operations and correcting situation until monitoring demonstrates water quality standards are met.

Permit/License Application Fee

- According to current Fee Schedule (see www.opwcd.org)

Special Conditions

- A copy of the permit/license, its permit/license conditions, and dewatering plan is required to be kept onsite at all times during dewatering operations by the lead contractor or site manager.
- At least 72 hours prior to initial dewatering, the permittee shall contact the District to allow for a site visit to verify:
 - a. The location and design of the recharge trenches and onsite retention areas where dewatering water will be retained
 - b. The location of monitoring facilities
 - c. Other site-specific issues related to the protection of the resource or other existing legal users

Failure of the permittee, or the permittee's representative, to notify the District before dewatering commences will result in enforcement action.

- Notification of commencement of dewatering can be made by contacting: District Superintendent at (954) 472-5596.
- If necessary, the District shall conduct a site visit.
- Copies of turbidity tests on a weekly basis or as frequently as required by the state and local permits, whichever is more restrictive must be provided. The qualifications of the person conducting the tests must be on file with the District, who reserves the right to object to that person's qualifications.

Reference

The following table shows the maximum allowable daily pumpage, per the South Florida Water Management District, and reflects what the Old Plantation Water Control District adopts for dewatering activities:

PERMIT REQUIRED	MAXIMUM DAILY PUMPAGE	TOTAL PROJECT PUMPAGE	DURATION	COMMENTS
General Permit by Rule for Short-Term Dewatering Subsection 40E-2.061(2), FAC.	5 MG	100 MG	Up to 1 Year	No potential for resource impacts. No offsite discharges unless an aquifer performance test.
Standard Individual Permit 40E-2, FAC. Applicant's Handbook Section 2.3.2.B.2.h	No Limitation	No Limitation	Up to 20 Years	Standard longer-term permit for defined projects. No allocation.
"Master" Individual Permit 40E-2, FAC. Applicant's Handbook Section 2.3.2.B.2.i	No Limitation	No Limitation	Up to 20 Years	Permit for phased projects, projects with undefined activities, or no contractor at time of permit application. No allocation

Additional Reference

- Florida Statutes, Chapter 471 or 492.
- Florida Administrative Code, Chapter CONSUMPTIVE USE (40E-2.061)
- South Florida Water Management District, VOLUME III WATER USE PERMITTING MANUAL

EXHIBITS

**CHECKLIST FOR NEW DEVELOPMENT PROJECTS IN
OLD PLANTATION WATER CONTROL DISTRICT**

Project Information

1. Development area in acres
2. Land use (existing and proposed).
3. Density
4. Percent of property proposed as:
 - a. Impervious surfaces
 - b. Green areas
 - c. Lakes, ponds, storage areas, etc.
 - d. Other areas (identify)
5. Existing and proposed topography (MSL datum).
6. Construction phasing plans.
7. Identification of entity responsible for operation and maintenance drainage system.
8. When connecting or utilizing an existing system provide an inspection report certified by a Florida register professional engineer that the stormwater management system is operating as permitted by Old Plantation Water Control District. (See section 1.3 page 8)
STORMWATER INSPECTION REPORT

Master Water Management Plan

- 1.** Master Drainage Plan (or the like) along with drainage calculations and percolation test results.
- 2.** Total acres of offsite property contributing runoff to the proposed drainage system.
- 3.** Identification of receiving District water body (Specify primary drainage facility serving the area).
- 4.** Locations of internal canals along with typical sections
- 5.** Location and description of proposed storm sewers
- 6.** Details on stormwater detention or retention areas
- 7.** Proposed optimum water levels
- 8.** Stormwater treatment methods proposed to reduce pollutants.
- 9.** Runoff routing scheme.
- 10.** Delineation of 10-year storm flood level.
- 11.** Pertinent drainage details on major water control structures; e.g. outfall facilities, intermediate-water control structures, pumps, etc.

**APPLICATION TO
OLD PLANTATION WATER CONTROL DISTRICT
FOR PERMIT/LICENSE**

(1) **PROPOSED USE OF OLD PLANTATION WATER CONTROL DISTRICT FACILITY:**

(2) **LOCATION OF WORK:**

County: _____ Section: _____ Township: _____ Range: _____

(3) **DISTRICT WORKS INVOLVED IN PROPOSED CONSTRUCTION OR USE:**

(4) **OWNER OF PROPOSED WORK OR STRUCTURE:** _____

Street/P.O. Box: _____ City: _____ State: _____ Zip: _____

(5) **APPLICANT OTHER THAN OWNER: (if any)**

Serving as : _____ for Owner: _____

Street/P.O. Box: _____

City: _____ State: _____ Zip: _____

(6) **AREA PROPOSED TO BE SERVED: (Give property description sufficient for identification, including size in acres. Use reverse side if additional space is needed to supply descriptive data):**

(7) **This application, including sketches, drawings or plans and specifications attached, contains full and complete description of the work proposed or use desired of the above described facilities of the District and for which PERMIT/LICENSE is herewith applied. It shall be a part of any PERMIT/LICENSE that may be issued. It is in accordance with the Requirements and Minimum Standards of Construction heretofore adopted by the District which have been examined and are understood by applicant and as the same may be hereafter from time to time amended, changed or revised, and which it is further understood shall be incorporated by reference as a part of any PERMIT/LICENSE which may be granted.**

EXECUTION OF THE APPLICATION FOR PERMIT/LICENSE BY THE UNDERSIGNED CONSTITUTES ACCEPTANCE OF ALL THE TERMS AND CONDITIONS OF THE PERMIT/LICENSE WHEN ISSUED

Submitted this _____ day of _____, 20().

Signature of Owner or Applicant: _____

Print Name: _____

Phone Number: () _____

PERMIT

ISSUED TO:
(Address)

NO: _____

AUTHORIZING:

Applicant: _____
Address: _____
Telephone: _____ **Email:** _____

LOCATION:

County Broward **Section** _____ **Township** _____ **Range** _____

This permit is issued pursuant to Application for Permit No. _____ dated _____, 20 _____. This Application is subject, to the extent set forth hereunder, to the following documents which are called "permit documents".

All work, construction and use of the facilities of the Old Plantation Water Control District permitted hereunder shall be performed in strict compliance with the permit documents and the Requirements and Minimum Standards of Construction heretofore adopted by the Old Plantation Water Control District and as the same may be hereinafter from time to time amended, changed or revised, said Requirements and Minimum Standards of Construction being expressly made a part and condition of this permit, all regulations of the South Florida Water Management District, the South Florida Building Code, the laws of the United States and State of Florida, and all ordinances, rules, or regulations of the City of Plantation and Broward County, Florida, as may be amended, replaced, or enacted from time to time. Any departure therefrom shall be grounds for revocation of this permit. A copy of the existing Requirements and Minimum Standards of Construction will be made available to Applicant upon request and any future changes or amendments will be available upon request.

The permittee agrees and understands that this permit is subject to the following:

1. If this permit involves the use of a right-of-way which is owned by Old Plantation Water Control District, then, the Applicant acknowledges that the District title to the right-of-way which is the subject matter of this permit is superior in right, title or dignity to the permit granted to the Applicant, and the permittee's successors and assigns shall attorn their interest under this permit to the District's title to this right-of-way. This permit is subject to the right of condemnation of the right-of-way held by the District by any other authorized governmental agency; is further subject to the right of reversion held by the grantors of the right-of-way; and is subject to the continued existence of the District.
2. This permit is not an exclusive permit and no leasehold or exclusive right is granted to the permittee hereunder. To the extent that this permit touches or affects a District's right-of-way, then the permittee acknowledges that this permit may be subject to the

rights of other permittees to utilize the lands of the right-of-way. It is the obligation of the permittee to conduct any and all surveys, title examinations, examinations of public records, ascertain the whereabouts of any other improvements located in the right-of-way before commencing any construction in the right-of-way.

3. Should permittee violate the terms of this permit it may be cancelled at the option of the District without notice or waiting period.
4. Should this permit involve the use of a District right-of-way, it is limited solely to the area depicted in the permit documents and does not extend to any other landowner used by the District.
5. Except as specifically permitted herein by the permit documents, no other improvements shall be constructed.
6. In the event the improvements authorized by this permit are defectively constructed or are improperly maintained or negligently operated so as to endanger or damage adjacent property owners' improvements, or damage or endanger the water control installations owned or possessed by Old Plantation Water Control District, or the permittee discharges any hazardous materials or otherwise impedes or degrades the physical condition and functioning of the water control operations of Old Plantation Water Control District may, at its option, cancel this permit.
7. The District shall have the right to employ engineers or other specialists to determine the necessary costs of cleaning up any pollutants, hazardous materials or other materials which may impede or degrade District's waterways, to determine the necessary repairs to any installations, or to correct the operating procedures of the permittee in order to restore the District's water control installation, and thereafter to require the permittee to pay for any cleanup costs or repairs, together with any engineering and other specialist's costs, or any legal or other costs incurred by the District. Should the permittee decline to perform the cleanup work, make said repair or enact new operating procedures, the District may have said cleanup work accomplished, or said repairs made at the cost of the permittee. Upon the completion of said clean up or repairs, the District shall provide a permittee with a notice in writing sent by United States prepaid certified mail. This notice shall detail the cost incurred by the District, including any and all necessary engineering, specialist or legal costs in connection therewith to that date. The permittee shall have thirty days from date thereof in which to reimburse the District. In the event that the permittee does not reimburse the district within said thirty day period, the District shall have the right to recover all of said costs incurred by it, including any engineering and specialist costs, or any attorney's fees or legal costs incurred in a court of competent jurisdiction, together with any and all court costs incurred, and a reasonable attorney's fee for all legal services rendered in the said court of original jurisdiction, or any appellate court.
8. This permit may be cancelled in the event that the permittee does not deliver to Old Plantation Water Control District ("District"): 1) a Certified Construction Statement approved by the District, which is signed by its engineer, supervising the construction called for by this permit ("Supervising Engineer") within **365 days** from date of this

permit, certifying that the work and construction allowed by this permit has been completed according to the permit, its conditions and its approved plans and specifications; and 2) "As-Built" plans, signed by the permittee's Supervising Engineer. The Board of Supervisors may extend the time for completion of the construction time schedule and the delivery of the As-Built plan.

9. In the event the structure being constructed pursuant to this permit is a structure of a type which will be dedicated to the public, such as a bridge, roadway over a culvert, or other type of easement or use dedicated to the public, the District shall have the right to require the permittee upon completion of said structure and dedication of the same to the public to assign this permit to the governmental body having jurisdiction over the structure so dedicated. It will also be the responsibility of the permittee to secure the acceptance of said assignment by the appropriate governmental body indicating their agreement to accept the assignment of this permit and to further agree to abide by the rules and regulations of the District, the conditions of this permit and to maintain the structure, or structures, so assigned to said governmental body of no cost to the District.
10. This permit shall be binding upon the parties' successors and assigns. Owner shall not assign this permit without prior written consent of the District, which consent will not be unreasonably withheld. Notwithstanding the provisions of the immediately preceding sentence, Owner may assign its rights under this permit to future owners. Permittee shall provide to the District thirty (30) days written notice of its request to assign this permit. This request to assign shall state the names and addresses of the parties to the proposed assignment, the date of the proposed assignment, the terms of the assignment, the signatures of the assignor and the assignee, and accompanying this request there shall be a consent form, provided by the District, signed by the assignee, wherein the assignee agrees to be bound by and perform the obligations of this permit. Applicable assignment/transfer fee will apply.
11. Permittee will not do or permit any act or thing to be done that is the subject of this permit which will subject the District, its employees, or its supervisors to any liability or responsibility for injury or damage to persons or property or subject it to responsibility for a violation of laws, and will exercise such control over its construction or the area of its permit so as to fully protect the District, its employees, and its supervisors against these possibilities. Permittee will defend, indemnify and save the District, its employees, and supervisors harmless against any and all liabilities, suits, obligations, fines, damages, judgments, assessments, penalties, claims, costs, charges, expenses, including without limitation, court costs, deposition fees, investigative fees, expert fees and attorneys' fees, which the District, its employees and its supervisors may incur as a result of claims, lawsuits, administrative proceedings, governmental prosecution or legislative claim's bills arising out of the permittee's use of this permit whether at trial or upon appeal. This obligation to indemnify and hold harmless shall exist whether the acts complained of were caused by permittee, its agents, servants, employees, independent contractors or other third parties or were caused by the condition of the District's right-of-way. Additionally, permittee shall permit no liens to be filed against the right-of-way, and shall at its own cost and expense, bond off the same and indemnify and hold the District harmless from any and all liability, suits, obligations, damages claims, costs, charges and expenses, including without limitation, court costs, investigative fees, deposition fees, engineer's fees, architect's fees, attorney's fees incurred by the District in resisting

such a claim or defending such a lien, whether the same be before trial, at trial or at an appellate level.

12. Should this permit involve a right-of-way of the District, permittee accepts the right-of-way that is the subject of this permit, to the extent this involves use of a right-of-way, in an "as-is" "where-is" condition, and acknowledges that no representations, statements, warranties, or affirmations concerning these lands or their suitability have been given by the District to permittee and that permittee has made its own independent analysis of the suitability of accepting this permit and utilizing any right-of-way that is the subject matter of this permit.
13. Notwithstanding the requirement for indemnity contained herein, nothing shall enlarge the governmental immunity granted unto the District by the laws of the State of Florida. Notwithstanding the District's governmental immunity, the indemnity provisions contained in this Agreement shall also provide for, under the same terms, indemnity in the event of any claims or proceeding in front of the Legislature of the State of Florida, and permittee shall be obligated in accordance with its indemnity agreement to indemnify and hold harmless the District for any claim's bill proceeding brought in the State of Florida and for any claim's bill imposed against the District in such a proceeding.
14. This Agreement shall be governed in accordance with the laws of the State of Florida and venue shall be in Broward County.
15. This permit cannot be recorded in the Public Records of Broward County, Florida. In the event that it is recorded in the Public Records of Broward County, Florida by permittee, then permittee shall pay all costs and fees incurred in removing that from the Public Records of Broward County, Florida, and shall agree to execute any and all documents necessary to remove the same. If anybody not party to this permit, records this permit in the Public Records, the parties agree to execute the documents necessary to remove this from the Public Records.
16. This permit shall not convey to permittee any property rights nor any rights of privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee unless otherwise provided immediately below.
17. This permit shall not be considered permanent but is subject to cancellation for any of the foregoing reasons, or for a violation of any policies of the District or of the special conditions set forth in this permit.

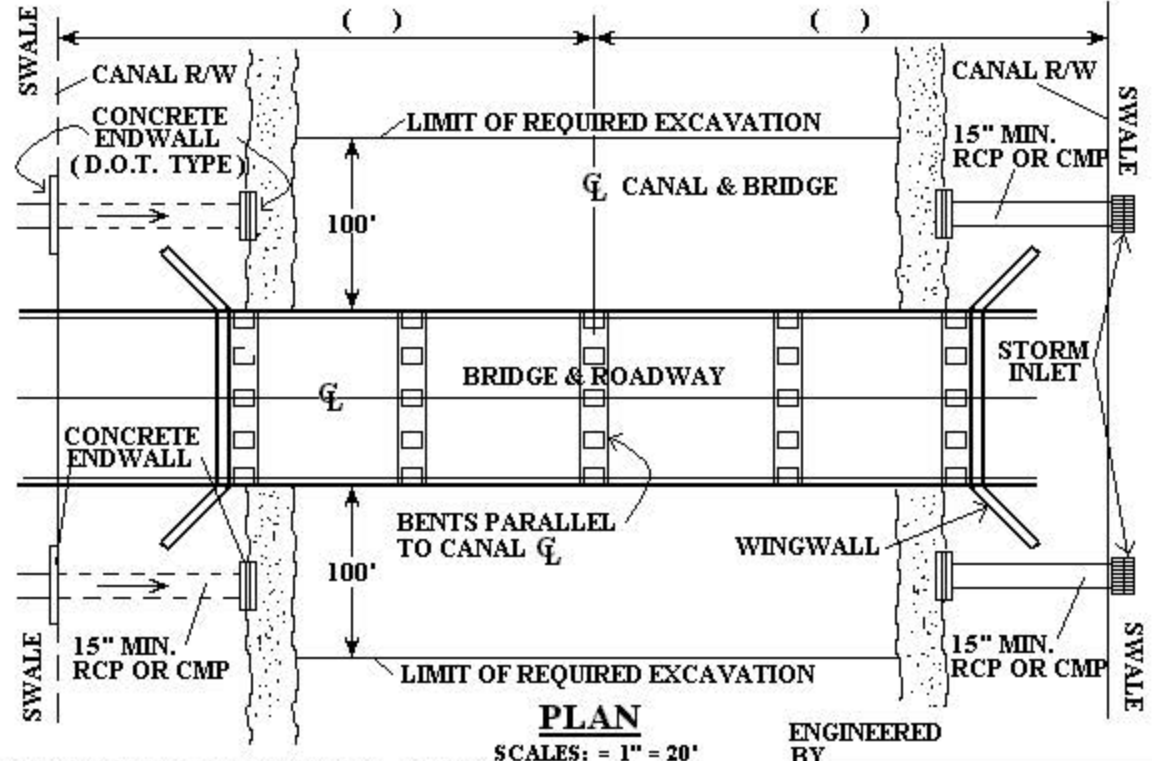
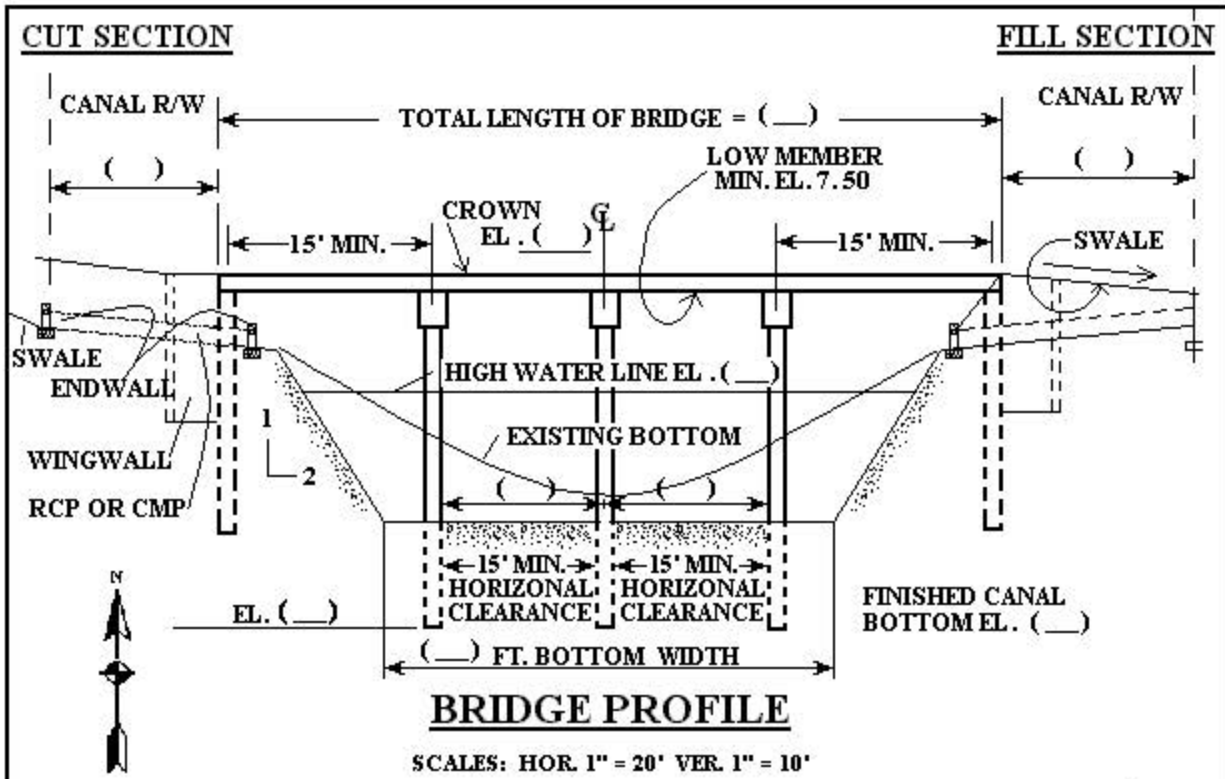
SPECIAL CONDITIONS ARE AS FOLLOWS:

- **Prior to issuance of a Certificate of Occupancy permittee is to supply OPWCD certification signed and sealed by a Florida Registered Engineer that all drainage features are functioning and obstruction free. Report is to be submitted on district's "Stormwater Inspection Report" form and is to include all drainage features within the project area.**
- **Stormwater Inspection Reports are to be submitted every five years following the initial submittal date.**
- **Note As-Built Condition**

Date Issued _____ OLD PLANTATION WATER CONTROL DISTRICT

By _____
Superintendent

By acceptance of this permit, the permittee agrees to all the terms and conditions therein, and the policies of Old Plantation Water Control District as set forth in the Permit Procedures Minimum Construction Standards and Stormwater Management Design Criteria booklet.



ELEVATIONS REFER TO M. S. L. - EL. 0.0

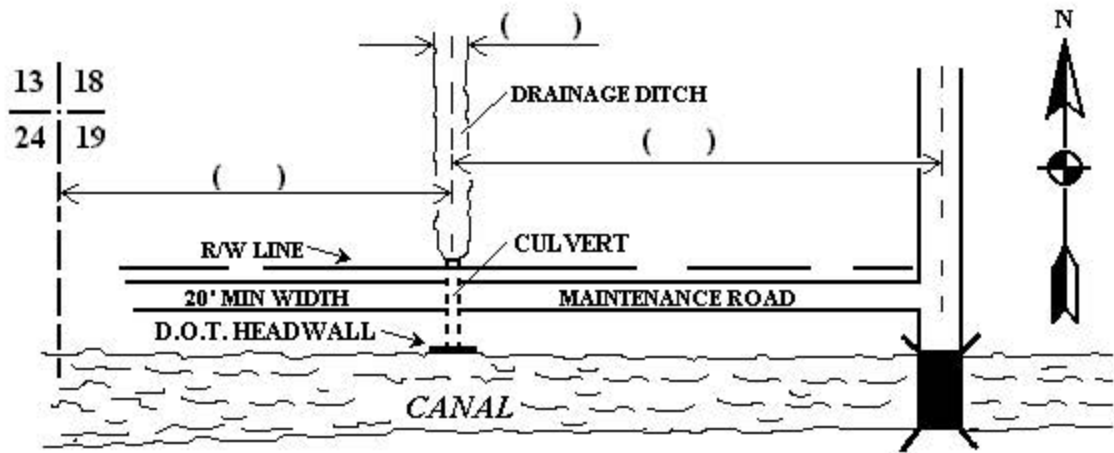


DRAWING TO ACCOMPANY

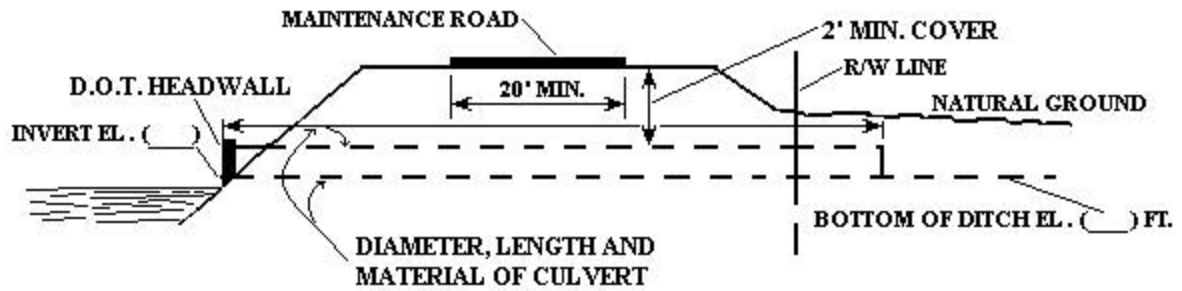
APPLICATION NO. _____

FOR CONSTRUCTION OF A _____ FT. BRIDGE OVER _____ CANAL

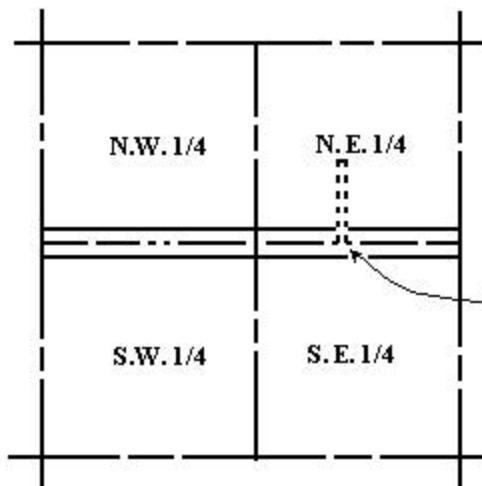
DATE: _____ SIGNED: _____



LOCATION PLAN



ELEVATION



VICINITY PLAN

SEC. ___ TWP. ___ RGE. ___

ALL ELEVATIONS TO BE REFERRED TO MEAN SEA LEVEL DATUM

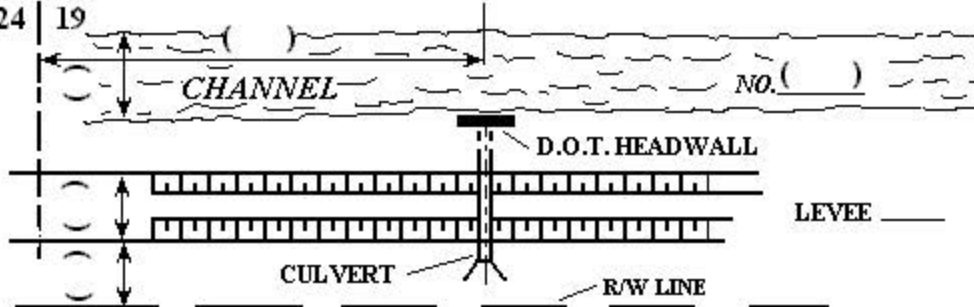
LOCATION OF PROPOSED WORK

DRAWING TO ACCOMPANY
APPLICATION NO. _____
FOR CULVERT CONNECTION
TO _____ CANAL _____

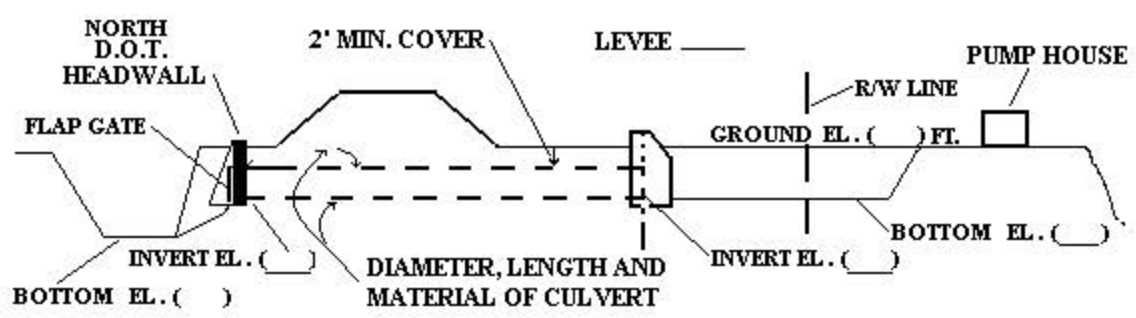
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SIGNED:

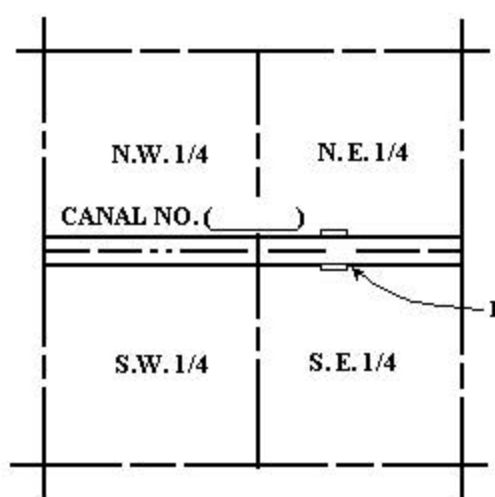
13 | 18
 24 | 19



LOCATION PLAN



ELEVATION



VICINITY PLAN

SEC. ___ TWP. ___ RGE. ___

ALL ELEVATIONS TO BE REFERRED TO MEAN SEA LEVEL DATUM

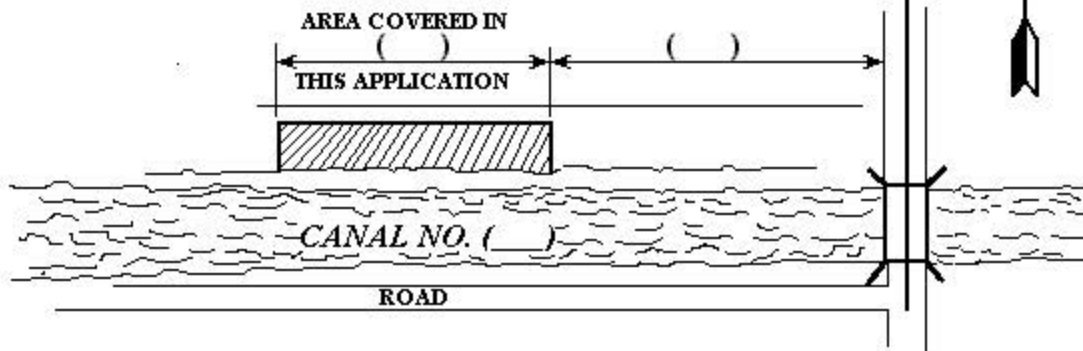
CULVERT CONNECTION

DRAWING TO ACCOMPANY APPLICATION NO. _____ FOR PUMP OR CULVERT CONNECTION TO _____

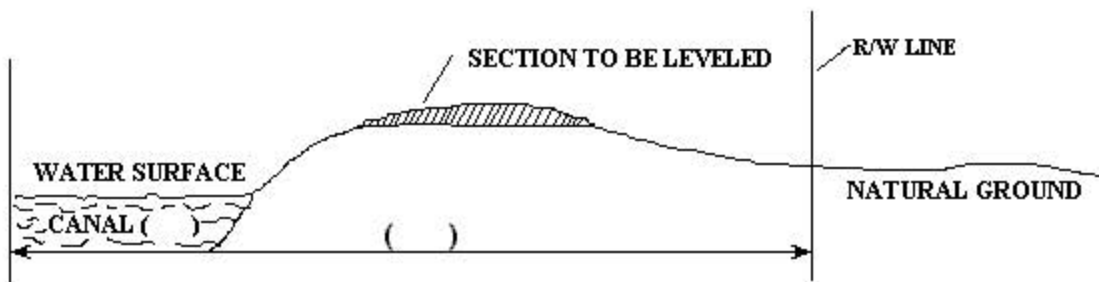
DATE: _____ SIGNED: _____

SEC. ___ TWP. ___ RGE. ___

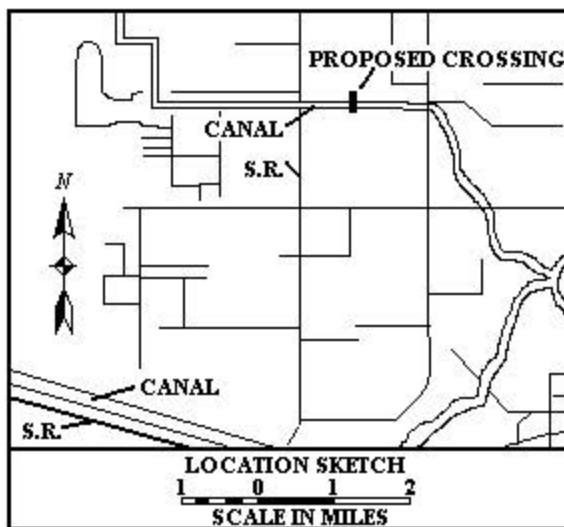
13 | 18
24 | 19



LOCATION PLAN



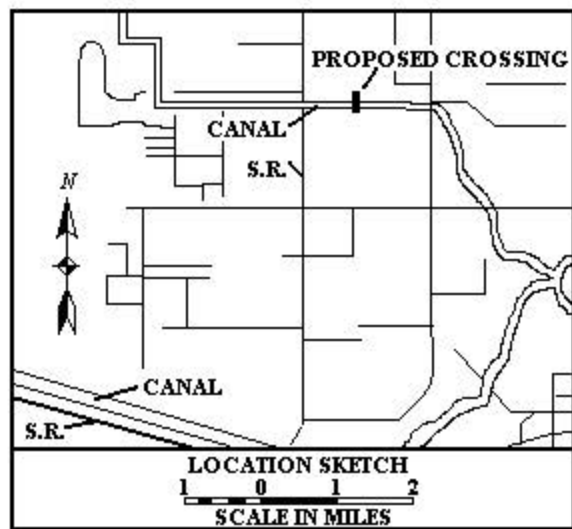
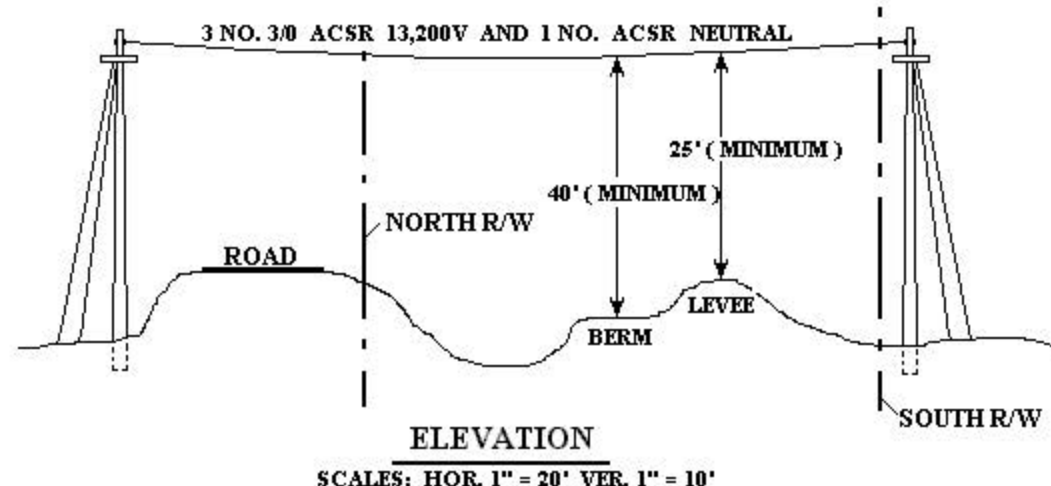
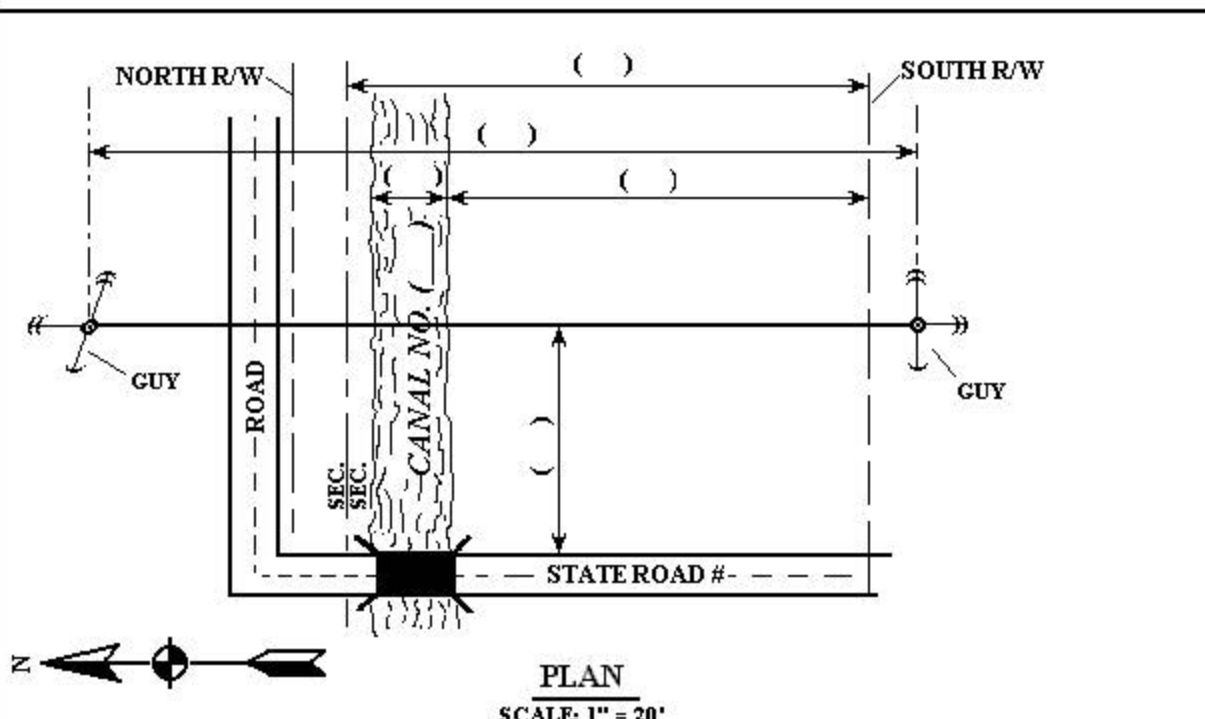
ELEVATION



DRAWING TO ACCOMPANY
APPLICATION NO. _____
FOR R/W BEAUTIFICATION
ON _____ BANK OF
_____ CANAL

DATE:

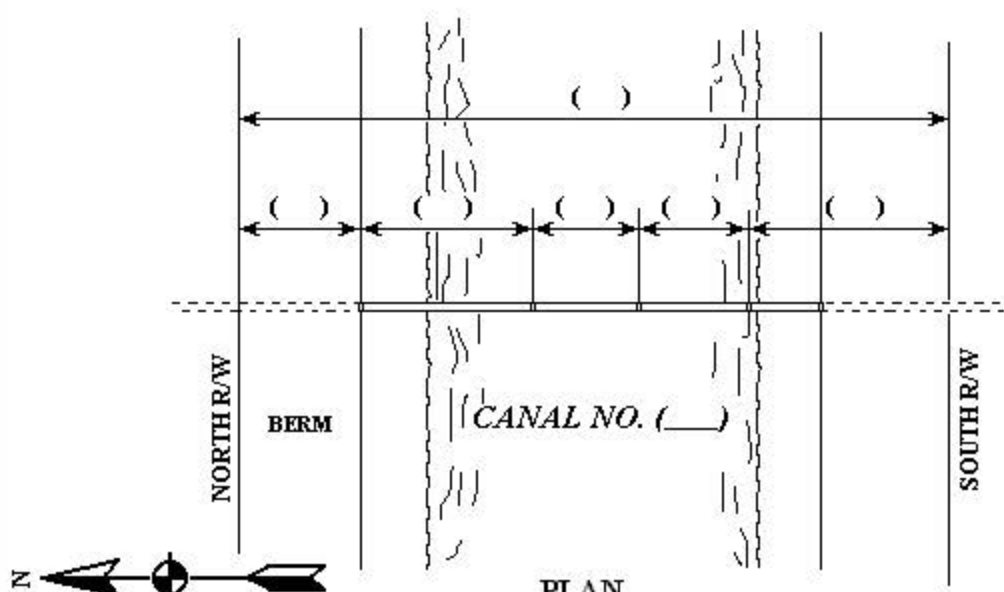
SIGNED:



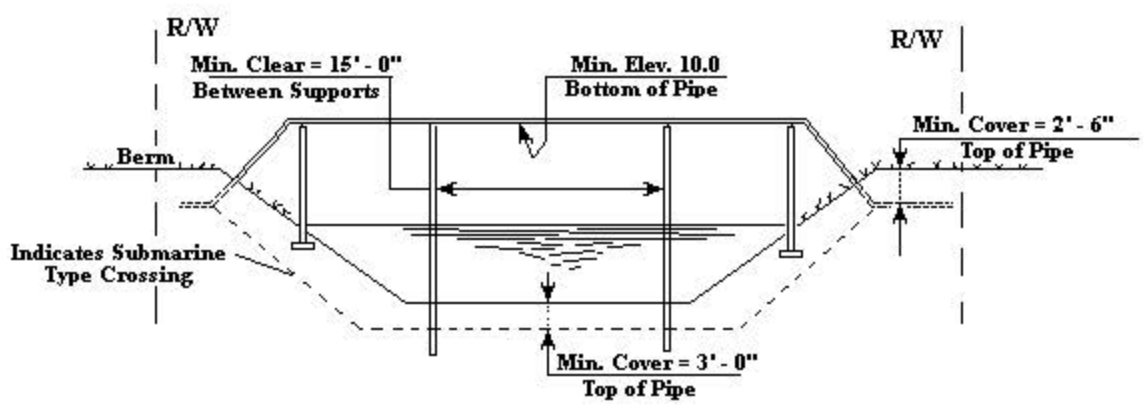
**PROPOSED OVERHEAD
CROSSING OVER CANAL _____
_____ K.V. LINE**

DATE: _____ SIGNED: _____

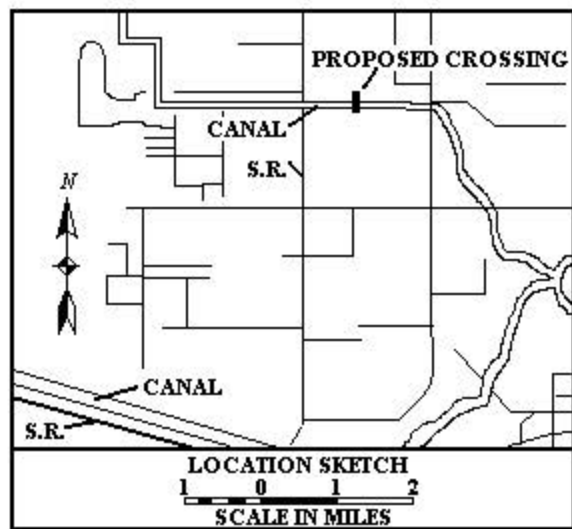
Exhibit 8



PLAN
SCALE: 1" = 20' - 0"



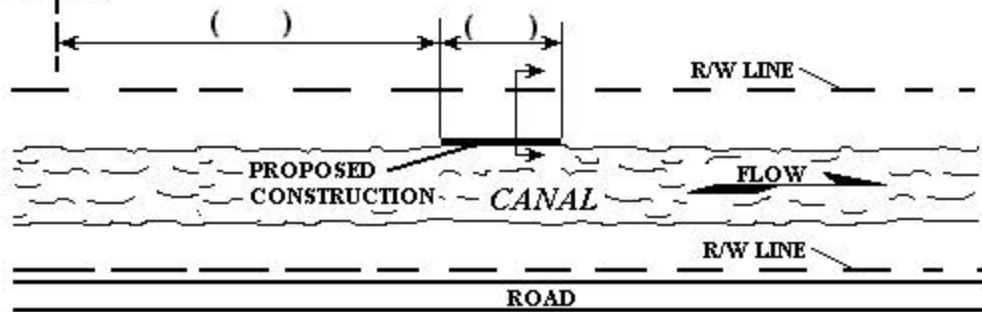
SECTION
Scales: Hor. 1" = 20' - 0" Vert. 1" = 10' - 0"



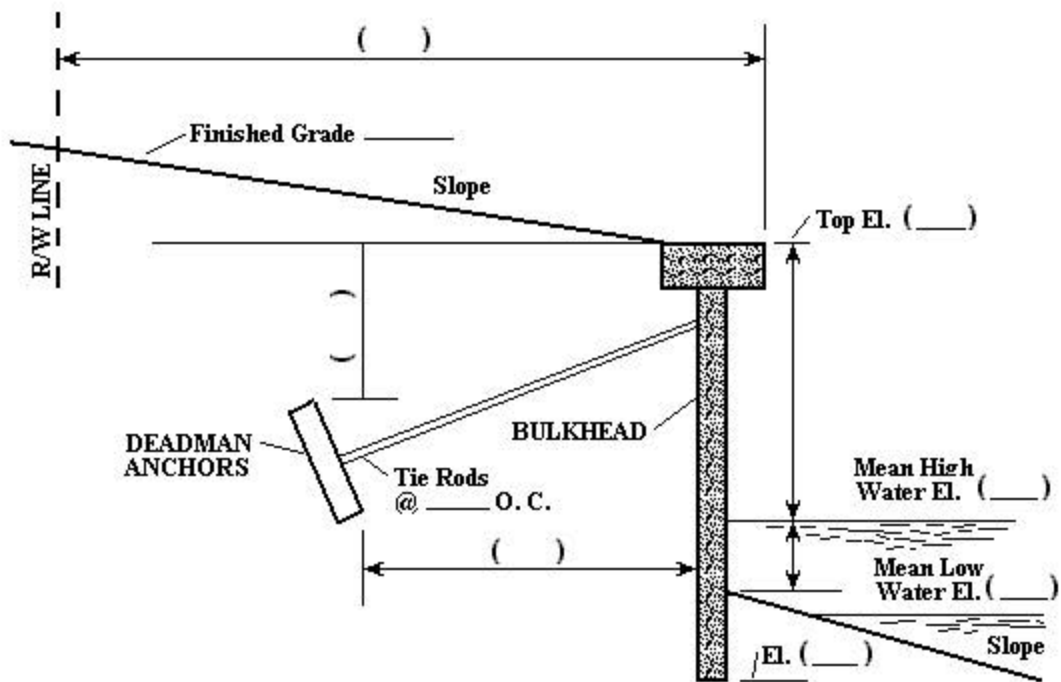
PROPOSED OVERWATER OR SUBMARINE CANAL CROSSING	
CROSSING CANAL _____	
DATE:	SIGNED:

13 | 18
24 | 19

SEC. ___ TWP. ___ RGE. ___



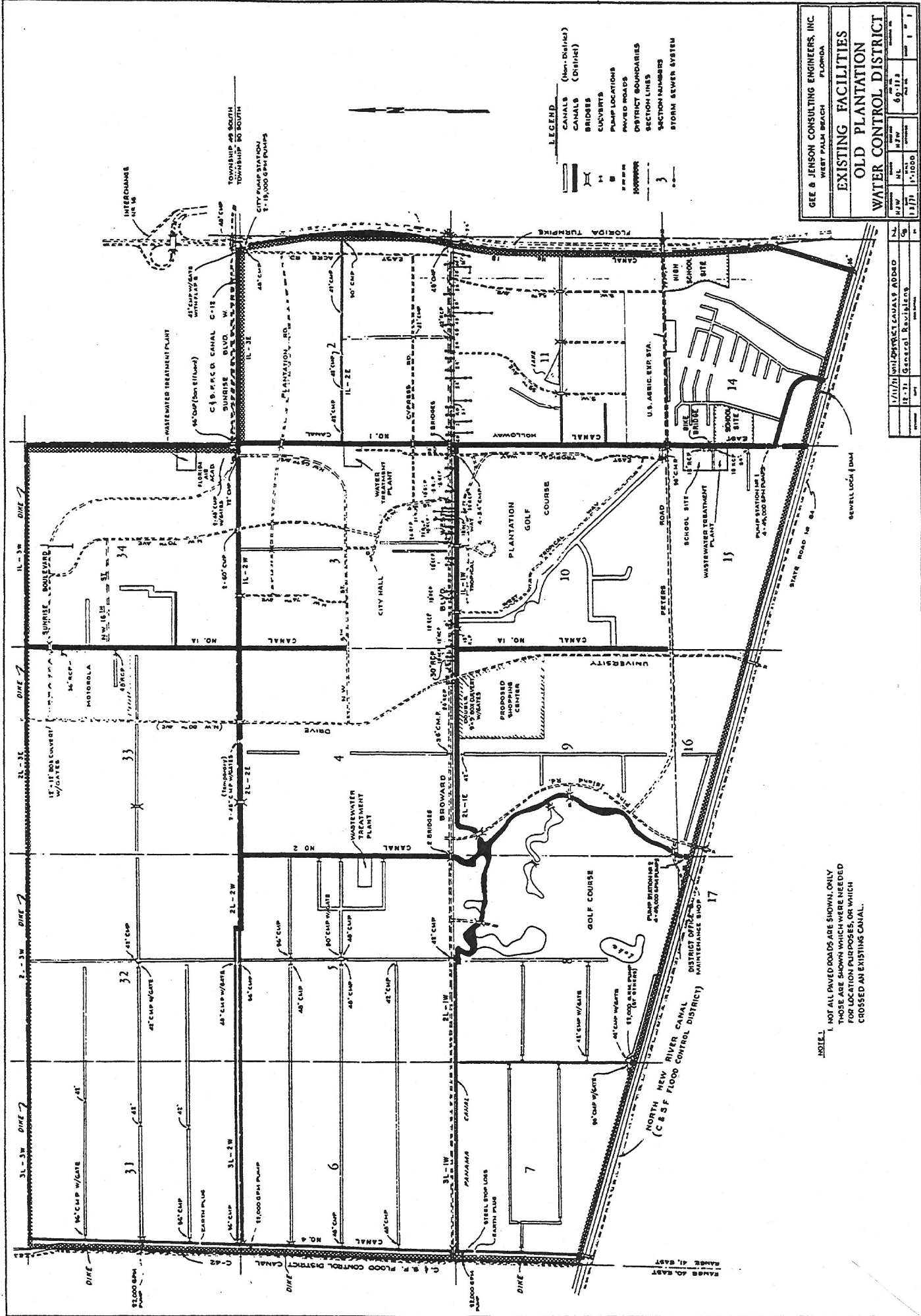
LOCATION PLAN
NOT TO SCALE



DRAWING TO ACCOMPANY
APPLICATION NO. _____
SHOWING BULKHEAD
CONSTRUCTION ON
BANK OF _____ CANAL

DATE:

SIGNED:



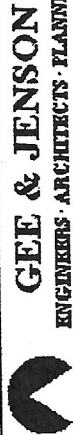
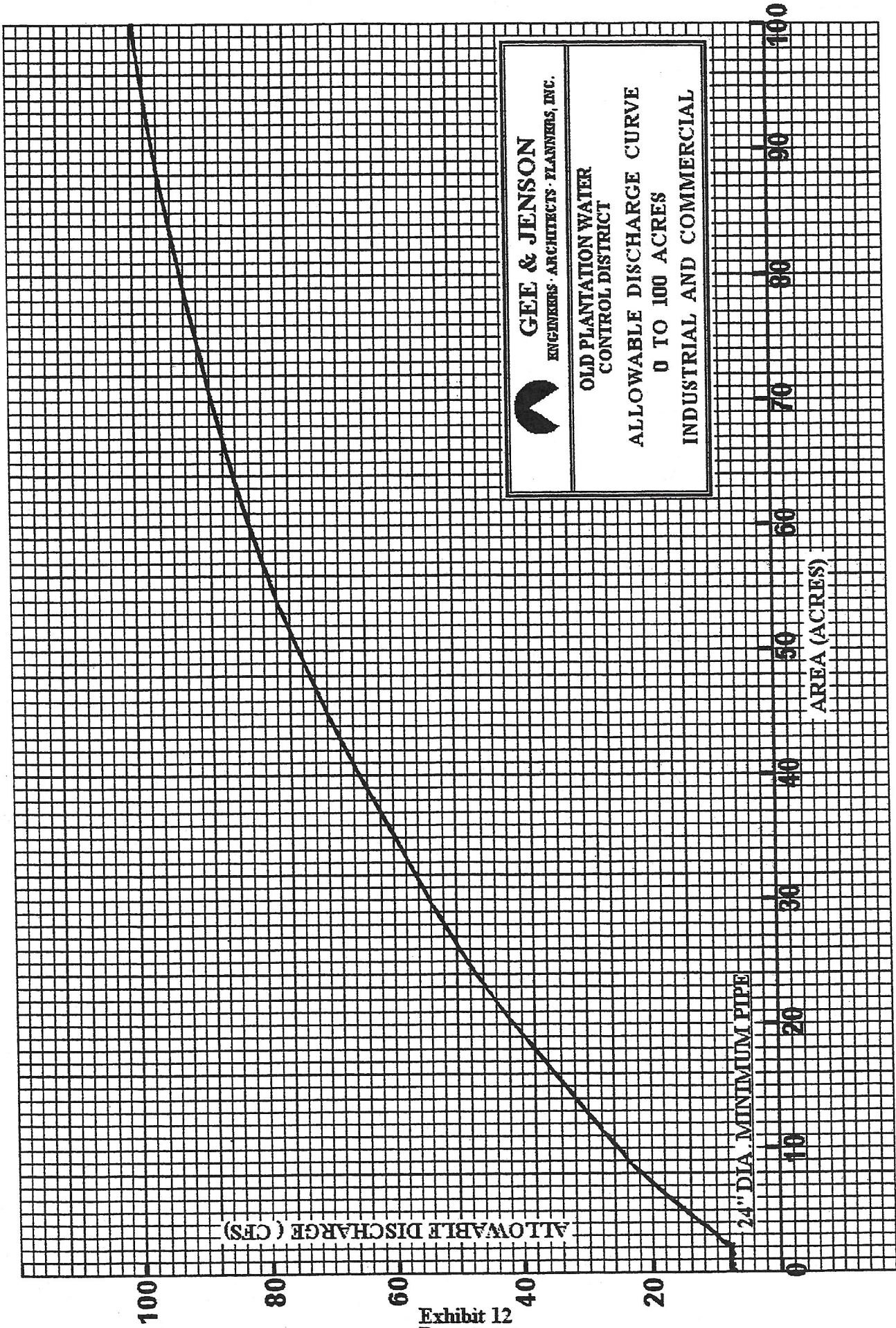
GEE & JENSON CONSULTING ENGINEERS, INC.
WEST PALM BEACH
FLORIDA

**EXISTING FACILITIES
OLD PLANTATION
WATER CONTROL DISTRICT**

DATE	NO.	BY	CHKD.	APP'D.
11/17/71	1	J. J. Jenson	J. J. Jenson	J. J. Jenson
12/7/71	2	General Revising	General Revising	General Revising

NOTE 1.
NOT ALL PAVED ROADS ARE SHOWN. ONLY
THOSE ARE SHOWN WHICH WERE NEEDED
FOR LOCATION PURPOSES, OR WHICH
CROSSED AN EXISTING CANAL.

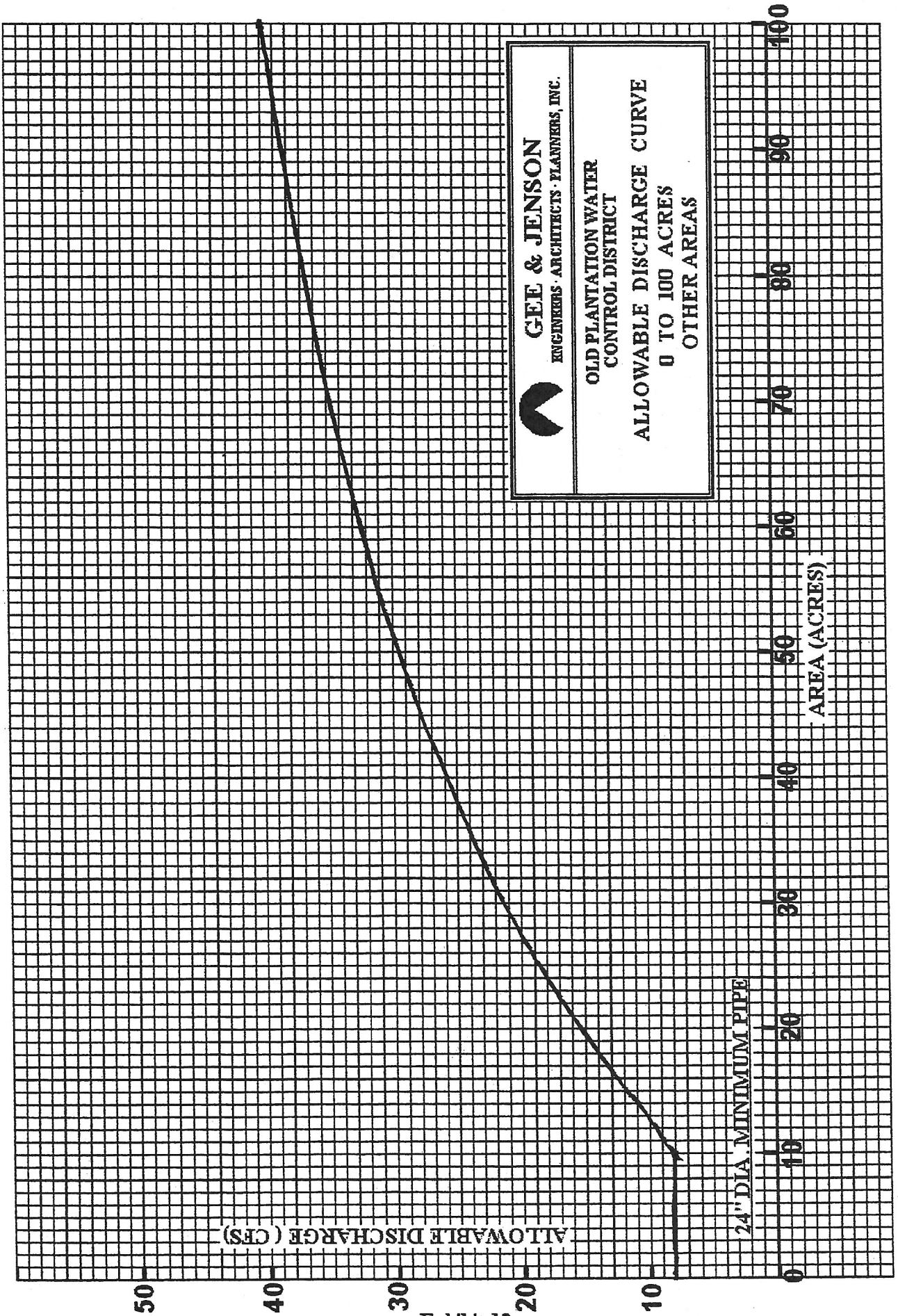
Exhibit 11




GEE & JENSON
ENGINEERS - ARCHITECTS - PLANNERS, INC.

OLD PLANTATION WATER
CONTROL DISTRICT
ALLOWABLE DISCHARGE CURVE
0 TO 100 ACRES
INDUSTRIAL AND COMMERCIAL

24" DIA. MINIMUM PIPE

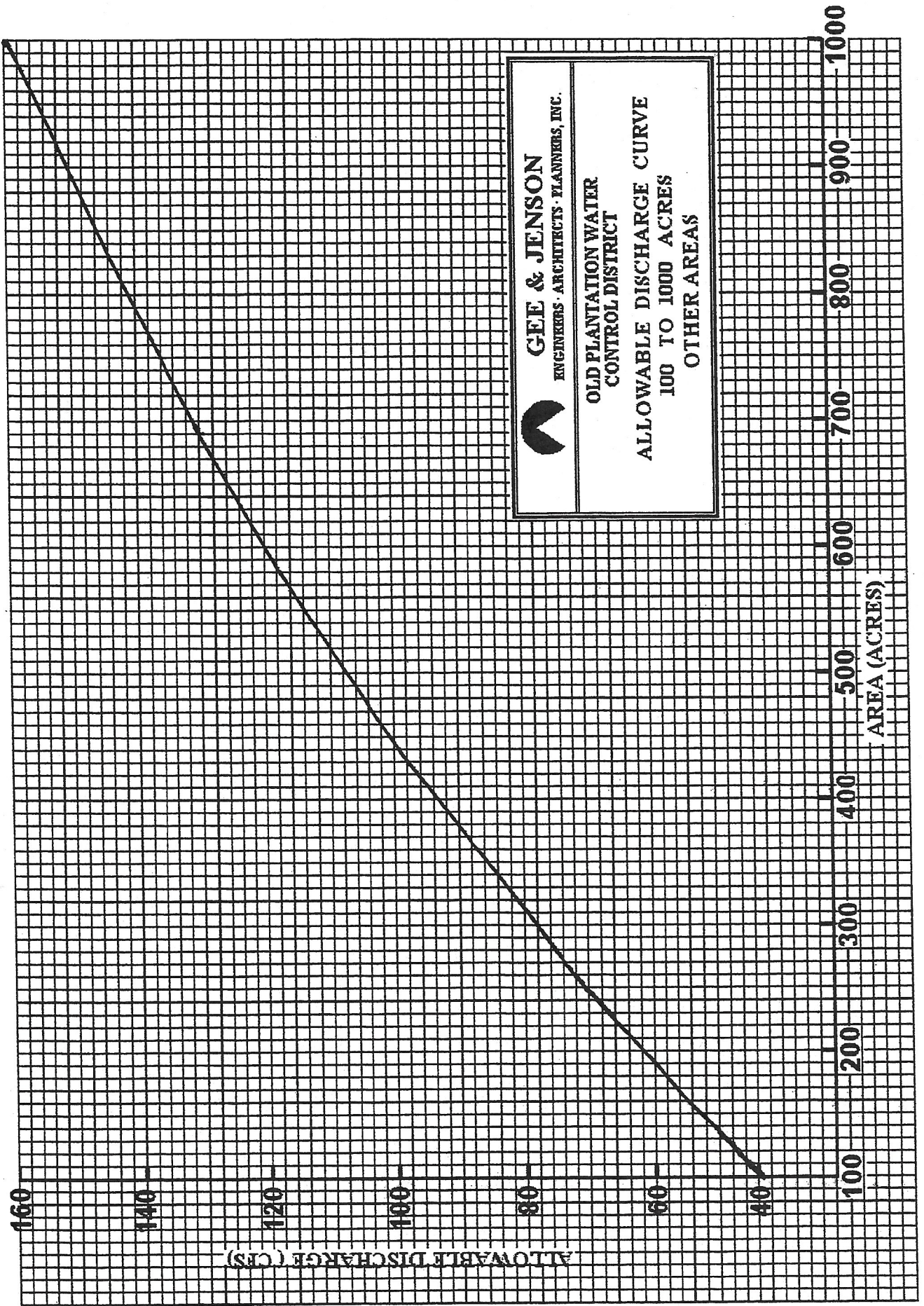



GEE & JENSON
 ENGINEERS · ARCHITECTS · PLANNERS, INC.

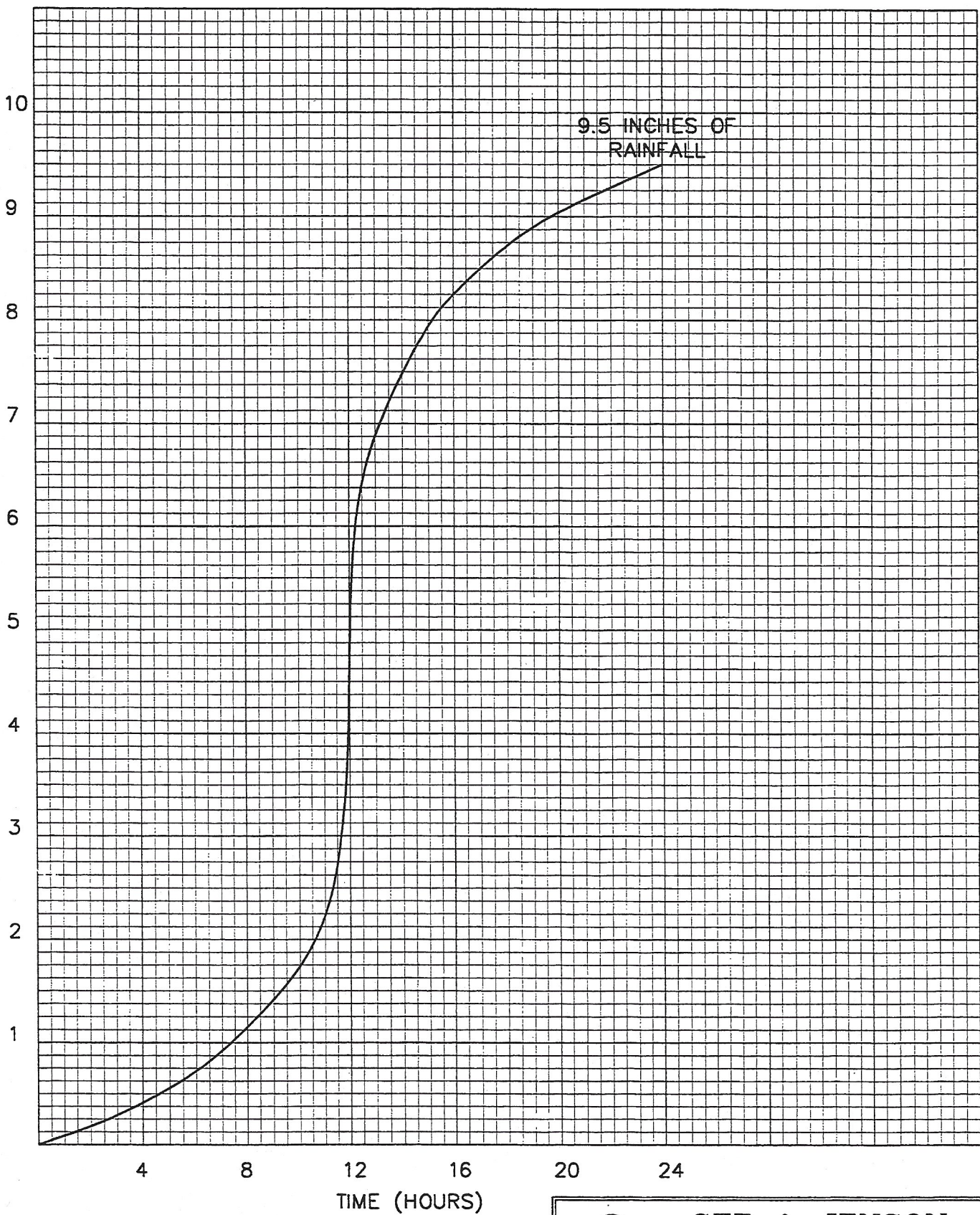
OLD PLANTATION WATER
 CONTROL DISTRICT

ALLOWABLE DISCHARGE CURVE
 0 TO 100 ACRES
 OTHER AREAS

24" DIA. MINIMUM PIPE



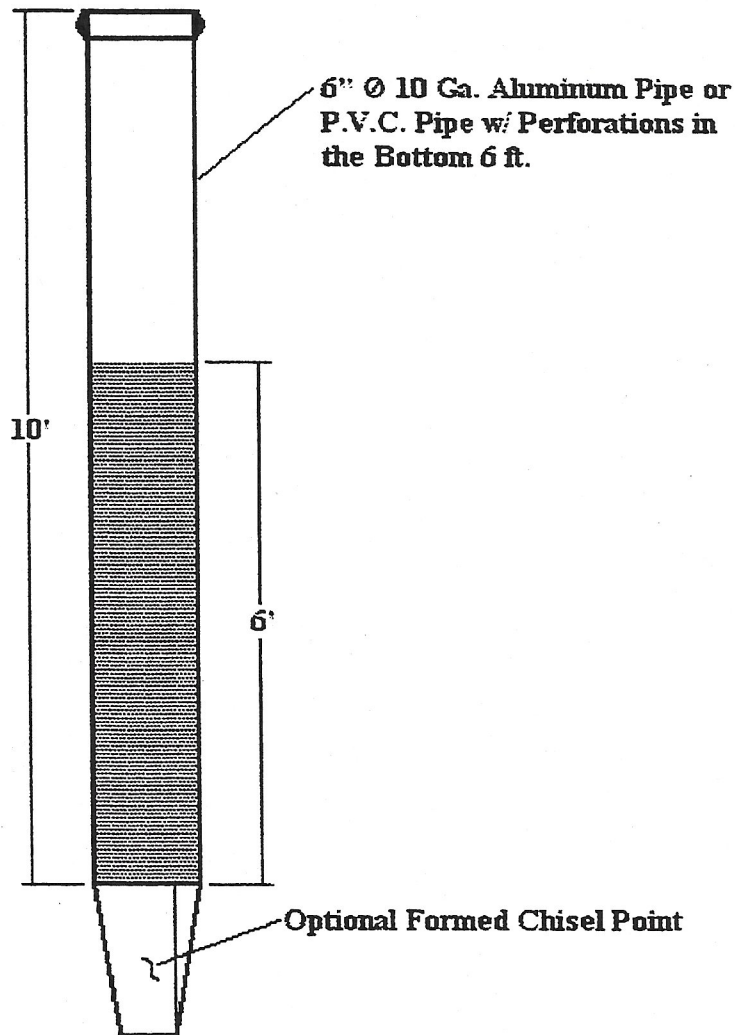
RAINFALL (INCHES)




GEE & JENSON
ENGINEERS ARCHITECTS PLANNERS, INC.

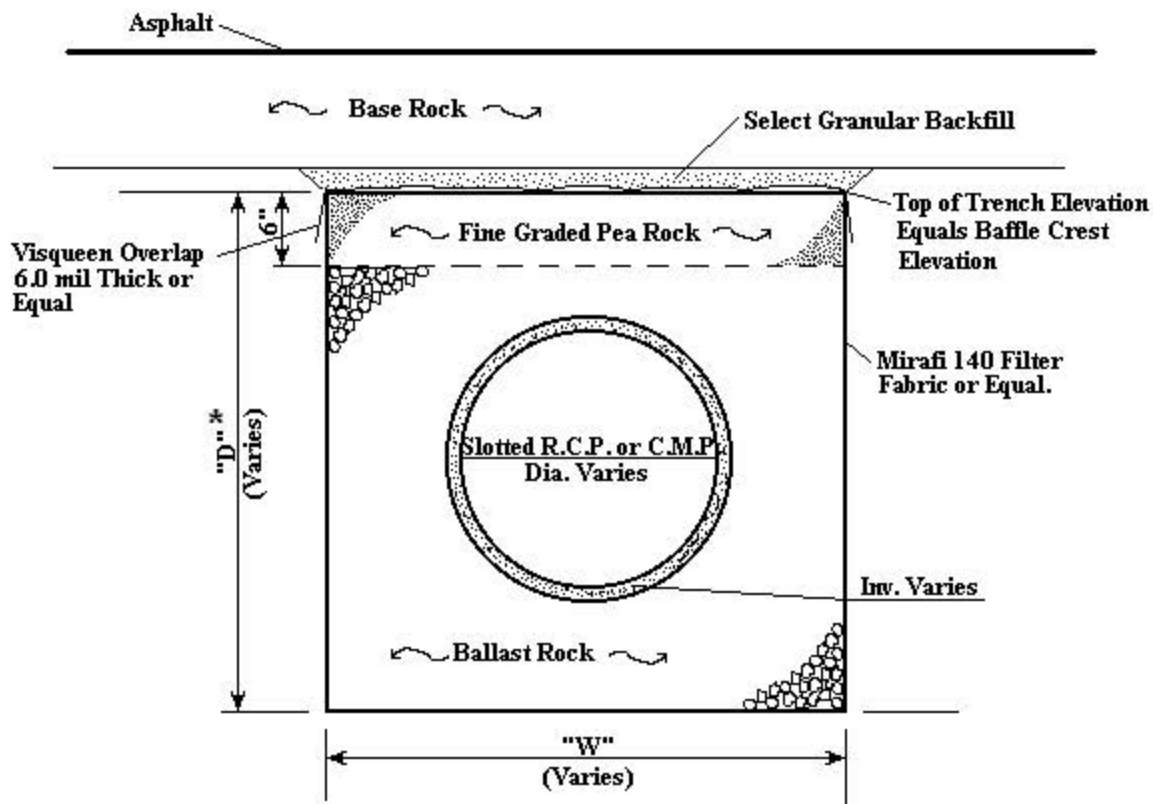
**OLD PLANTATION WATER CONTROL DISTRICT
10 YEAR 24 HOUR DESIGN STORM**

DESIGNED TEM	DRAWN YAK	CHECKED CD	JOB No. 20-022	DWG. No. 20022RAIN
DATE APR. 2000	SCALE NONE	APPROVED CD	FILE No.	EXHIBIT 13



GEE & JENSON ENGINEERS-ARCHITECTS

 GEE & JENSON ENGINEERS - ARCHITECTS - PLANNERS, INC.				
CASING FOR EXFILTRATION TEST IN SANDY SOIL OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		99 - 22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 1 OF 1
Feb. 99	None			



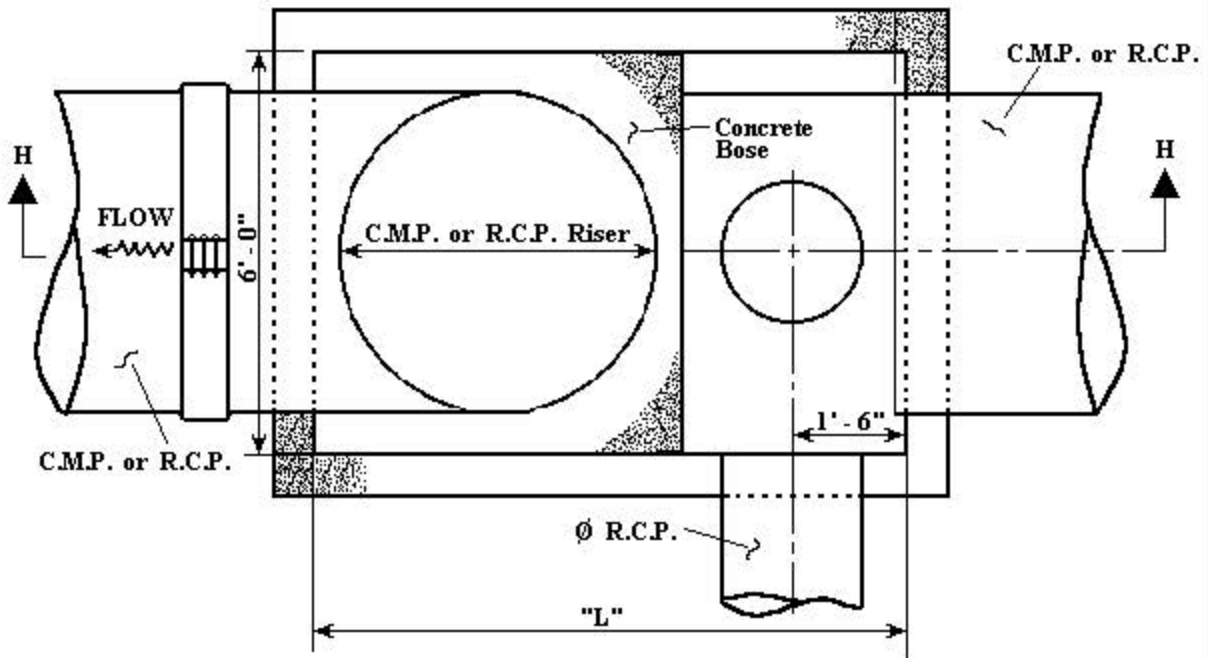
**TYPICAL SECTION
EXFILTRATION TRENCH DETAIL**

NOTES: 1.) Ballast Rock shall have 90 - 100% passing a 1 1/2' screen and 0 - 15% passing a 3/4" Screen

2.) Trench sizes are shown on the plans as "W" x "D".

* For pipe ϕ less than 36", "D" shall be a min. of 2'-0" greater than pipe ϕ .
For pipe ϕ greater than 36", "D" shall be a min. of 5'-0".

GEE & JENSON ENGINEERS · ARCHITECTS · PLANNERS, INC.				
EXFILTRATION TRENCH DETAIL OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.	APPROVED	99 - 22	SHEET 1 OF 1
DATE	SCALE		FILE NO.	
Feb. 99	None			



PLAN
N.T.S.


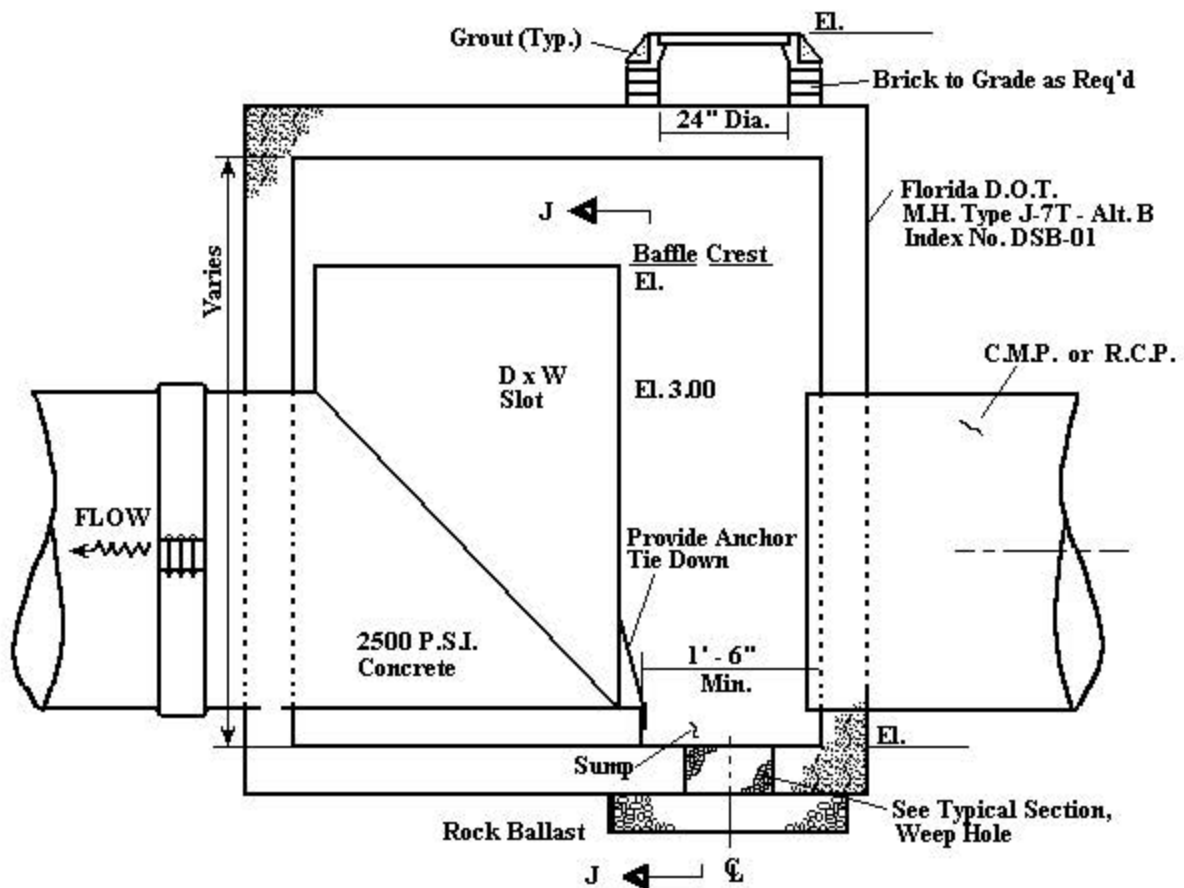

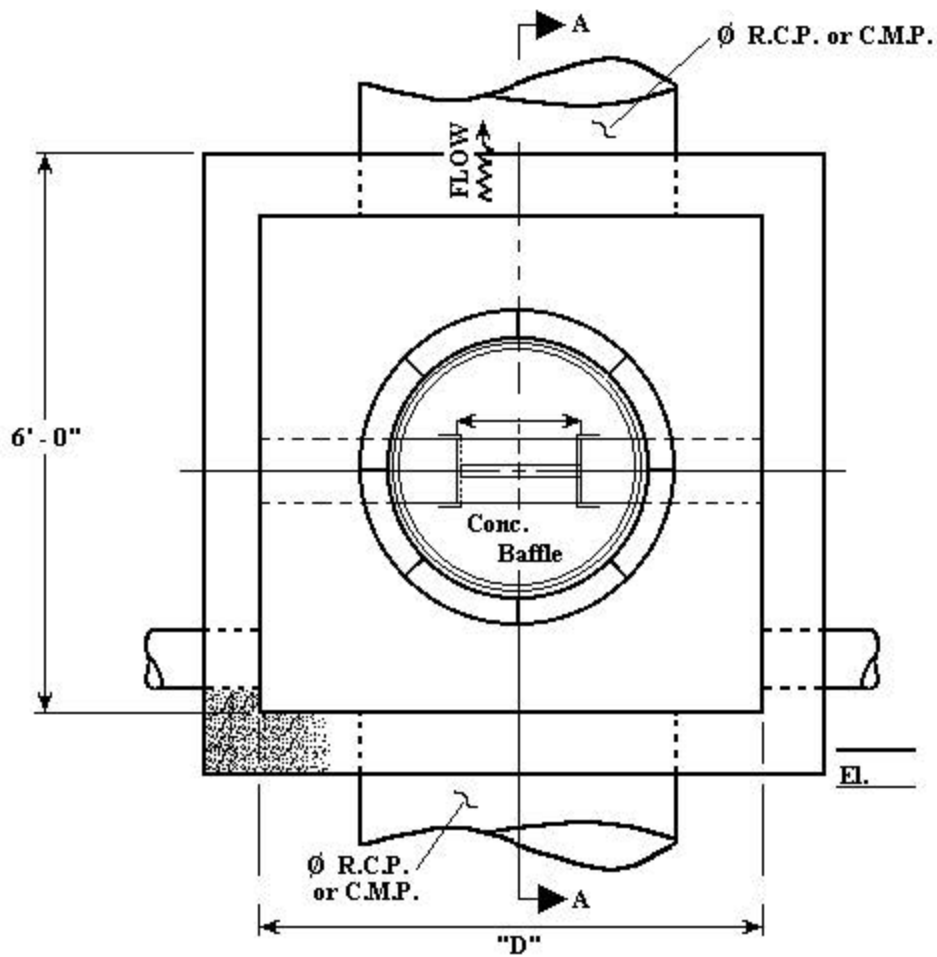
 GEE & JENSON ENGINEERS · ARCHITECTS · PLANNERS, INC.				
DRAINAGE STRUCTURE w/ RISER OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		99 - 22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 1 OF 2
Feb. 99	None			

Exhibit 16



SECTION H - H

 GEE & JENSON ENGINEERS · ARCHITECTS · PLANNERS, INC.				
DRAINAGE STRUCTURE w/ RISER OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		99 - 22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 2 OF 2
Feb. 99	None			




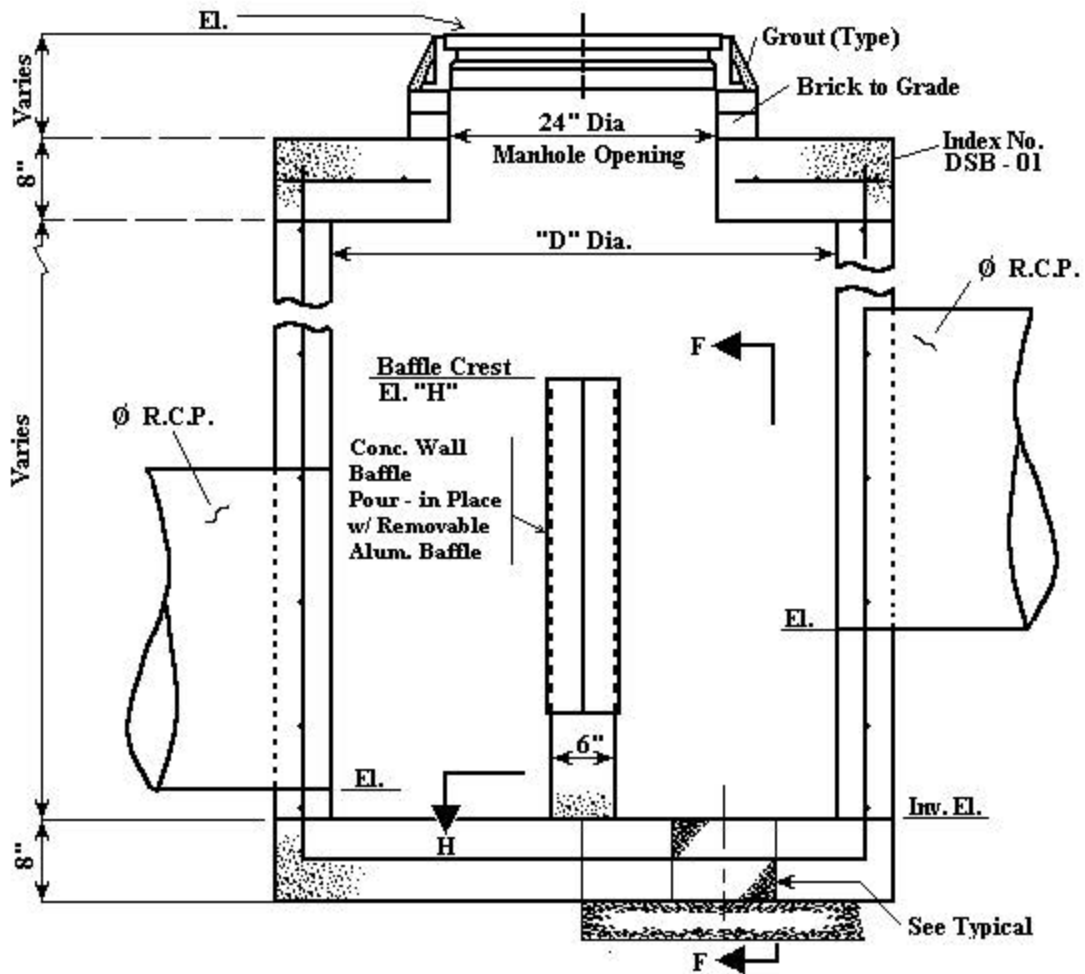
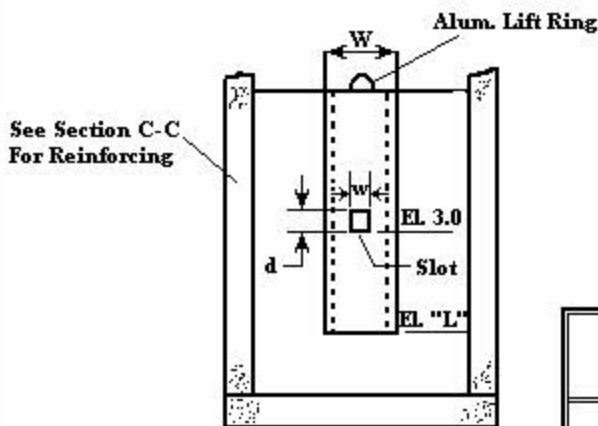
 GEE & JENSON ENGINEERS · ARCHITECTS · PLANNERS, INC.				
DRAINAGE STRUCTURE w/ BAFFLE OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		99 - 22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 1 OF 2
Feb. 99	None			

Exhibit 17



SECTION "CC"



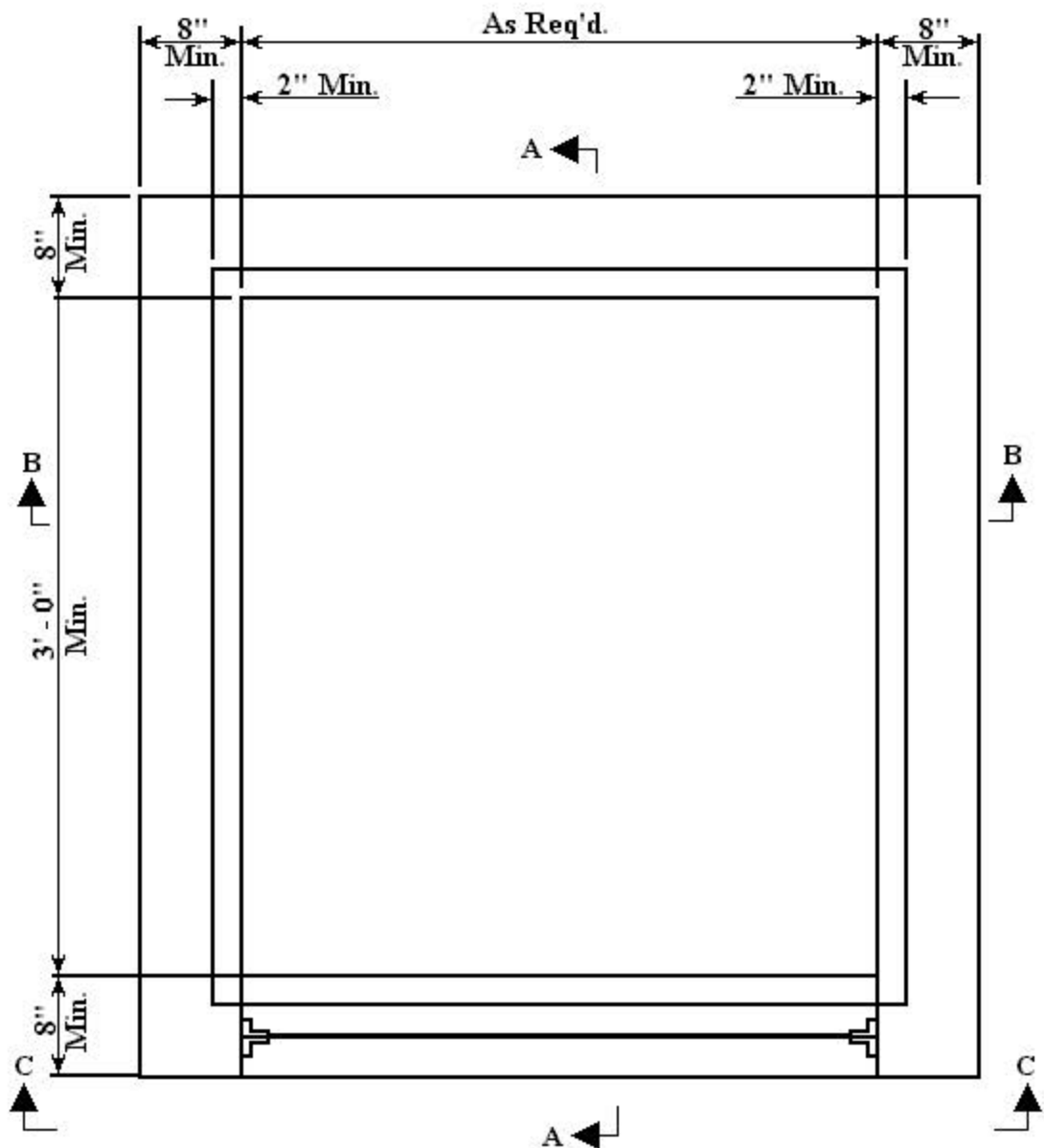
SECTION F - F




GEE & JENSON
ENGINEERS · ARCHITECTS · PLANNERS, INC.

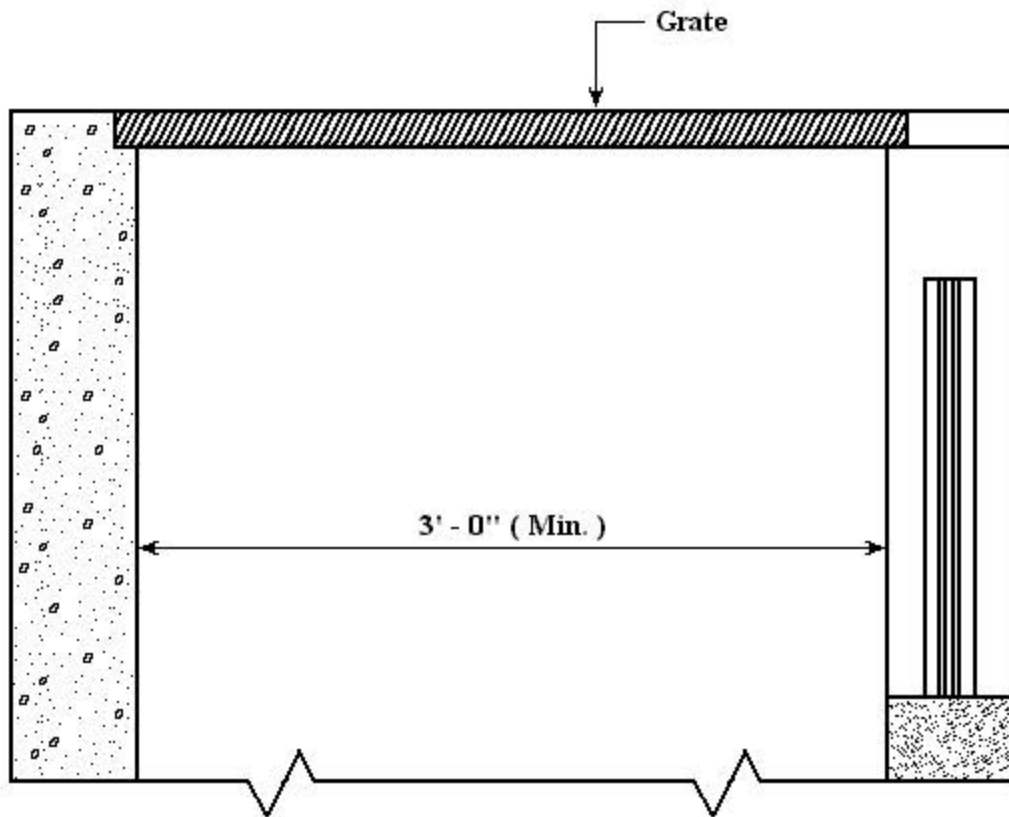
DRAINAGE STRUCTURE w/ Baffle
OLD PLANTATION W.C.D.

DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		82-22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 2 OF 2
Aug. 81	None			




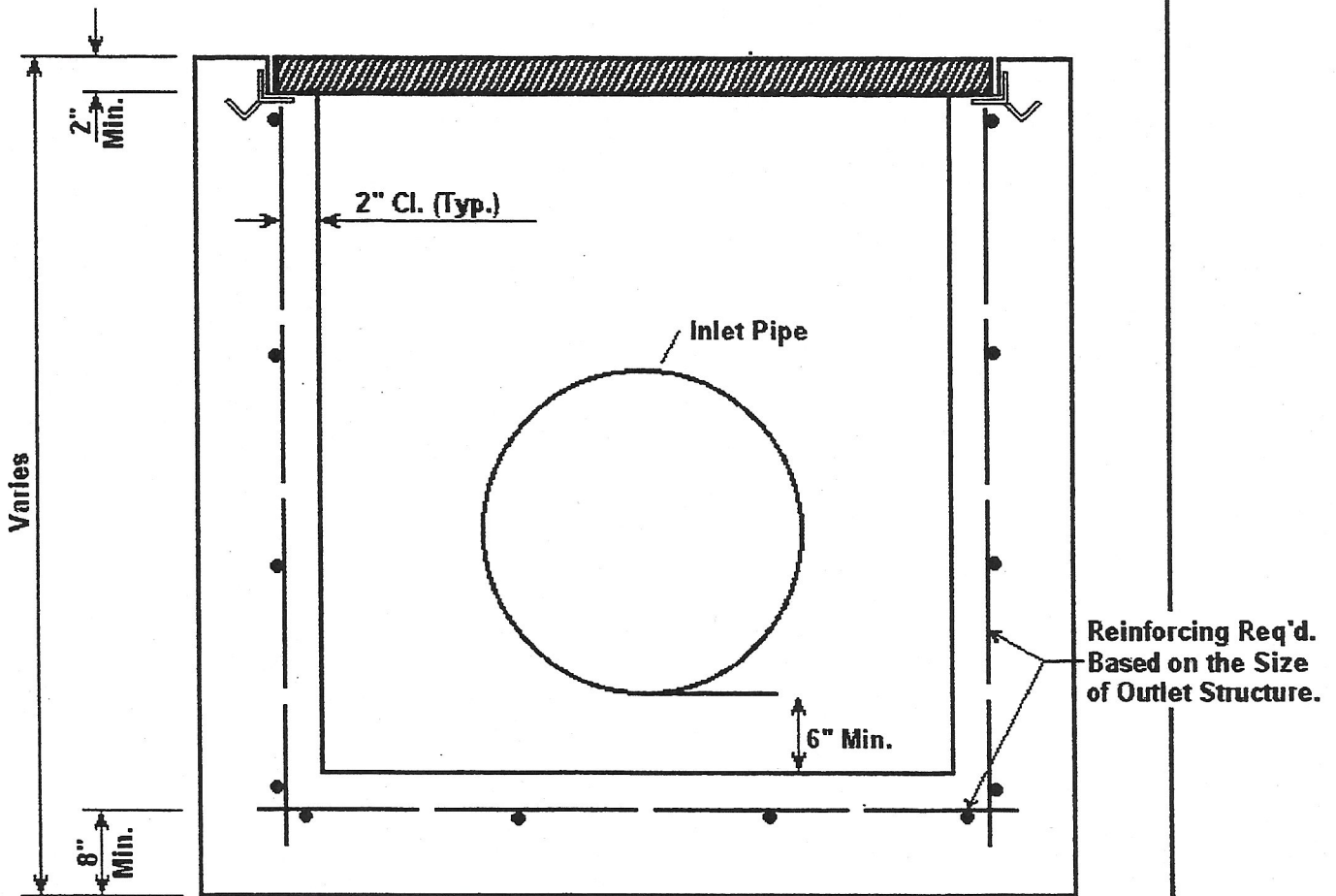
PLAN VIEW
N.T.S

 GEE & JENSON ENGINEERS · ARCHITECTS · PLANNERS, INC.				
OUTLET STRUCTURE OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		99 - 22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 1 OF 4
Feb. 99	None			



SECTION "AA"

 GEE & JENSON ENGINEERS · ARCHITECTS · PLANNERS, INC.				
OUTLET STRUCTURE OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		82 - 22	
DATE	SCALE	APPROVED	FILE NO.	SHEET
Mar. '82	None			2 OF 4



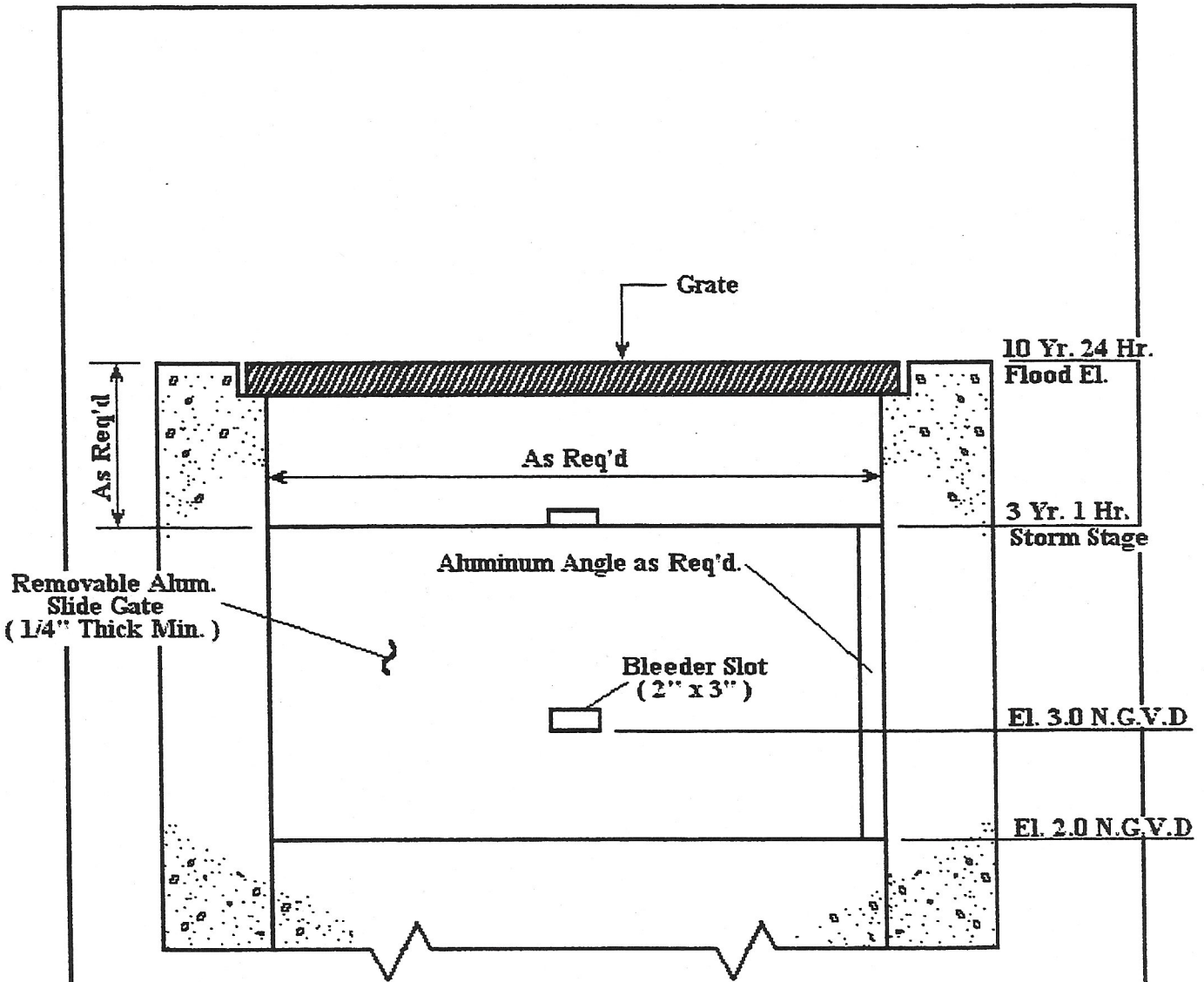
SECTION "BB"




GEE & JENSON
ENGINEERS · ARCHITECTS · PLANNERS, INC.

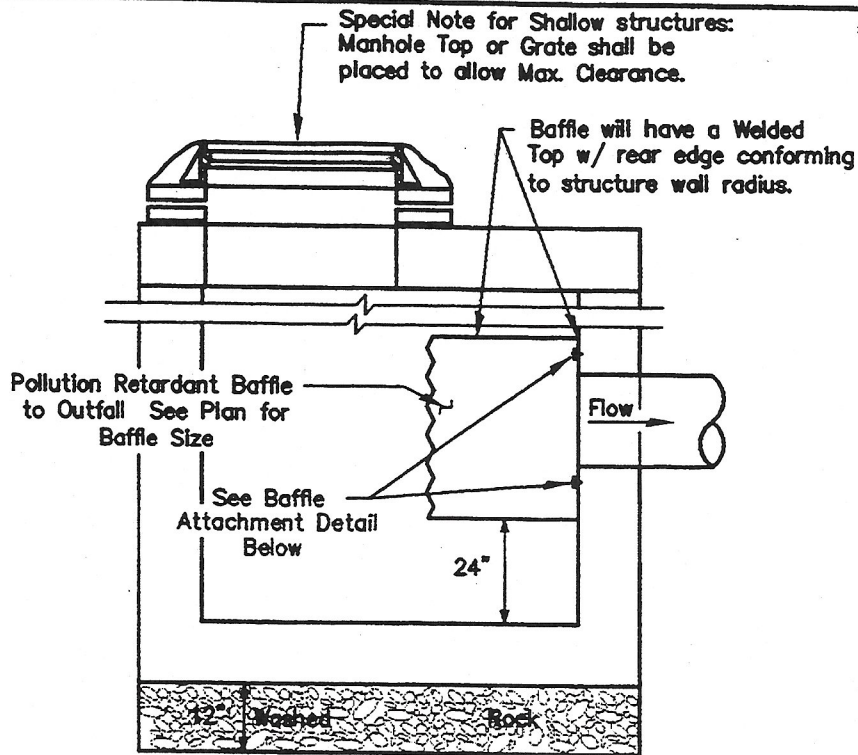
OUTLET STRUCTURE
OLD PLANTATION W.C.D.

DESIGNED H.C.O.	DRAWN J.O.	CHECKED	JOB NO. 82-22	DRAWING NO.
DATE Mar. '82	SCALE None	APPROVED	FILE NO.	SHEET 3 OF 4



SECTION "CC"

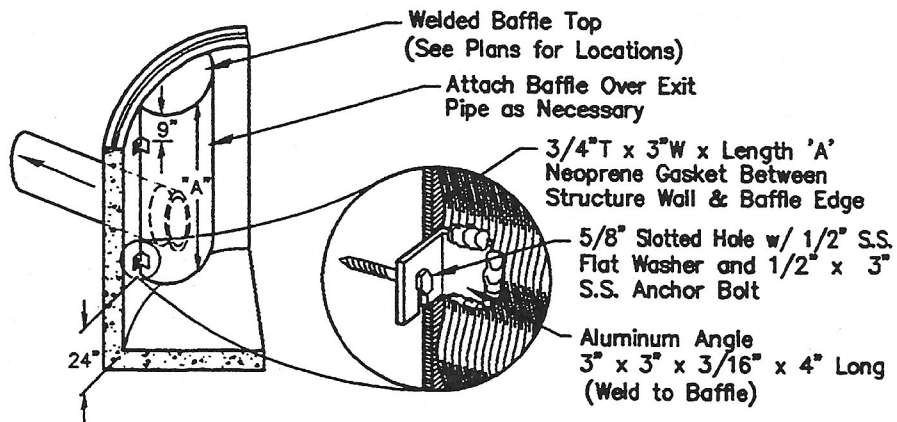
 GEE & JENSON ENGINEERS - ARCHITECTS - PLANNERS, INC.				
OUTLET STRUCTURE OLD PLANTATION W.C.D.				
DESIGNED	DRAWN	CHECKED	JOB NO.	DRAWING NO.
H.C.O.	J.O.		82-22	
DATE	SCALE	APPROVED	FILE NO.	SHEET 4 OF 4
Mar. '82	None			



NOTE: See Type "D" Catch Basin Bottom for Structure Specifications.

CONTROL STRUCTURE w/P.R.B.

N.T.S.



BAFFLE ATTACHMENT



GEE & JENSON
ENGINEERS · ARCHITECTS · PLANNERS, INC.

POLLUTION RETARDANT BAFFLE
OLD PLANTATION W.C.D.

DESIGNED H.C.O.	DRAWN J.O.	CHECKED	JOB NO. 99 - 22	DRAWING NO.
DATE Feb. 99	SCALE None	APPROVED	FILE NO.	SHEET 1 OF 1