



**GEE & JENSON**  
Engineers-Architects-Planners, Inc.

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February 28, 1996

Nassau County Engineering Department  
2290 South 8th Street  
Fernandina Beach, FL 32034

Attn: Jack D'Amato, P.E.

Re: Sadler Road Improvements  
Retention Pond Plans, Mitigation and Wetland Permitting

Gentlemen:

As requested, we have prepared the following proposal for additional professional services to supplement our original Agreement for providing construction documents for Sadler Road Widening.

Project Description

Construction plans for widening Sadler Road are currently nearing completion. To provide a storm water retention pond for the improvements, the County has negotiated with the owner of the proposed pond site to use a 15 acre site which will be acquired by the County for the pond including restoration of wetland adjacent to Eagen's Creek. An adjacent 2.2 acre property is to be improved and permitted for the developer as a commercial property along Sadler Road. The retention pond will be sized to also provide treatment for the adjacent ACLF facility.

Scope of Work

The following work will be required:

1. Obtain boundary and topographic survey for the 15 acre site including wetland delineations (see attached site plan).
2. Provide preliminary plans and hydraulic calculations for the site, including pond requirements, wetland mitigation, commercial property runoff and ditch hydraulic requirements.
3. Prepare construction plans for the site improvements including restoration of the wetland, pond construction and channel improvements.
4. Coordination and Meetings with County, Developer and Permitting Agencies.
5. Preparation of the following permit applications including response to agencies for additional information:

**APPROVED**

DATE 3/25/96



Jack D'Amato, P.E.  
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- a) Corps of Engineers - Nationwide 26 Permit.
  - b) St. Johns River Water Management District - Wetland Resource Permit.
6. The work is also to include modifications to the roadway construction plans as follows:
- a) Revise roadway typical section and pavement marking plans to show 11 ft. lane widths and 4 ft. bicycle lanes.
  - b) Add provision for constructing landscaped medians.
  - c) Modifications to A1A (Fletcher) intersection.
7. Provide R/W descriptions for easements and takings.
8. Mitigation exhibits for 14th Street permitting.

#### Schedule

|  |         |
|--|---------|
| Surveys, preliminary plans, client and agency coordination - | 60 days |
| Construction plans and permit application preparation -      | 60 days |
| Permit Agency Responses and Approvals -                      | 60 days |

#### Fees

We propose to furnish the services outlined in the Scope of Work for a lump sum fee of \$35,881 (see attached cost breakdown).

We are prepared to begin work immediately. We thank you for your consideration.

Very truly yours,

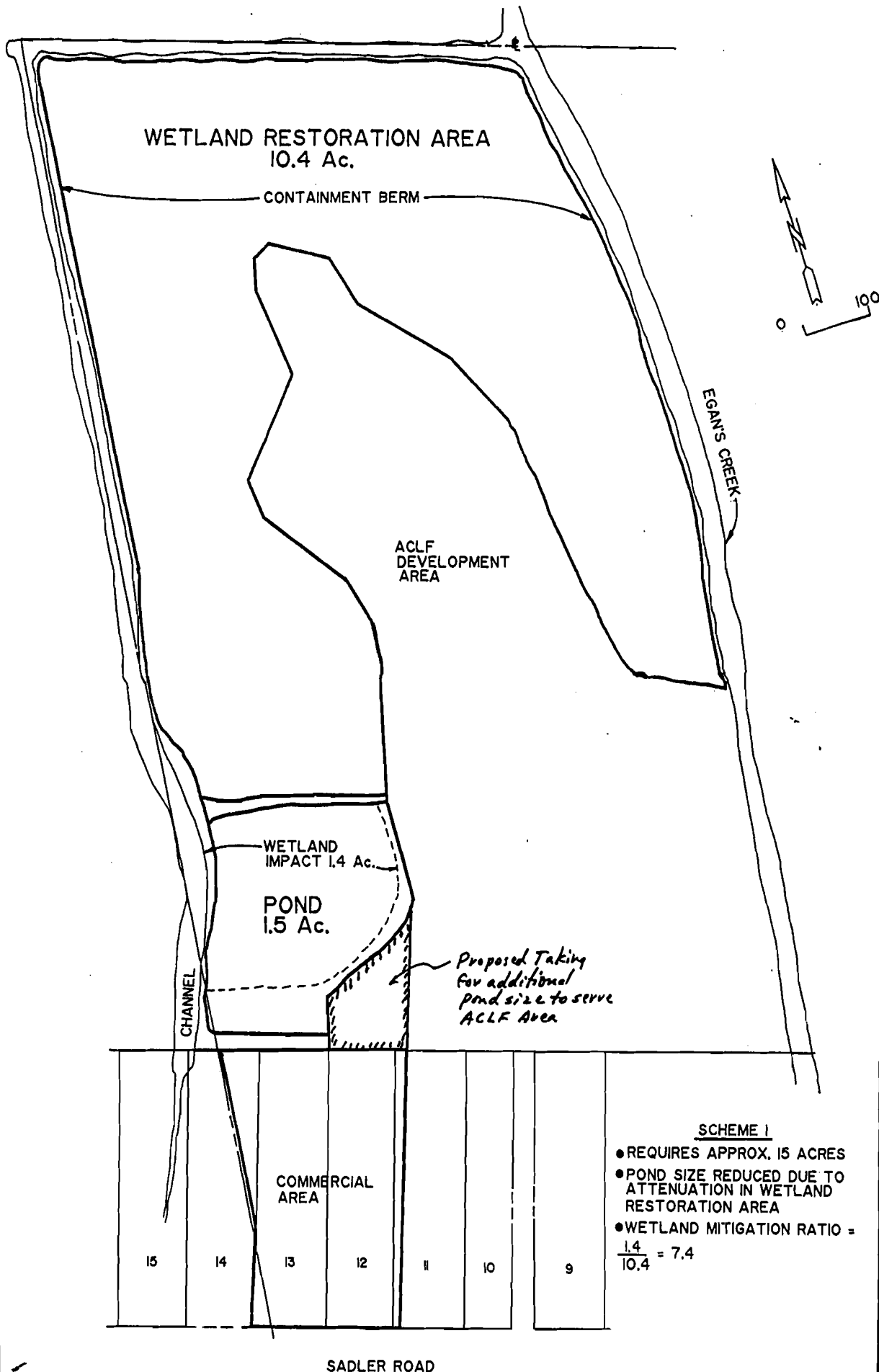
Harry W. Skahn, P.E.  
Project Manager

HWS:sd  
93-255.2  
encs

SADLER ROAD IMPROVEMENTS - NASSAU COUNTY

RETENTION POND PLANS, MITIGATION AND WETLAND PERMITTING

| TASK         |   | MANHOUR BREAKDOWN  |             |             |                 |
|--------------|---|--------------------|-------------|-------------|-----------------|
|              |   | P.M.<br>\$85       | ENG<br>\$65 | DR.<br>\$45 | COST            |
| 1.           | Survey & Mapping  |                    |             |             |                 |
|              | a) Survey, Subconsultant  |                    |             |             | 5,100           |
|              | b) G&J  | 4                  | 4           | 1           | 645             |
| 2.           | Prelim. Plans & Calcs.  | 12                 | 40          | 12          | 4,160           |
| 3.           | Construction Plans Preparation  | 12                 | 20          | 40          | 4,320           |
| 4.           | Meetings & Agency Coordination  | 12                 | 4           | 2           | 1,255           |
| 5.           | Permitting  |                    |             |             |                 |
|              | a) Environmental Subconsultant (Pruitt)                                   |                    |             |             | 4,060           |
|              | b) Environmental Subconsultant (ESI)                                      |                    |             |             | 1,016           |
|              | c) G&J  | 12                 | 20          | 30          | 3,670           |
| 6.           | Construction Plan Modifications   |                    |             |             |                 |
|              | a) Bicycle Lanes  | 8                  | 16          | 40          | 3,520           |
|              | b) Landscaped Median  | 4                  | 8           | 20          | 1,760           |
|              | c) A1A Intersection   | 12                 | 20          | 40          | 4,320           |
| 7.           | Right-of-Way Descriptions - Survey Subconsultant                          |                    |             |             | 400             |
| 8.           | Mitigation Exhibits for 14th St. Permitting - Environmental Subconsultant |                    |             |             | 900             |
| 9.           | Direct Expenses   |                    |             |             |                 |
|              | a) Mileage  | 500 mi. @ \$0.31 = |             |             | \$155.00        |
|              | b) CAD Workstation  | 40 hrs. @ \$8.00 = |             |             | \$320.00        |
|              | c) Printing   | 400 shts. @ 0.70 = |             |             | \$280.00        |
|              |   |                    |             |             | 755             |
| <b>TOTAL</b> |   |                    |             |             | <b>\$35,881</b> |



**SCHEME 1**

- REQUIRES APPROX. 15 ACRES
- POND SIZE REDUCED DUE TO ATTENUATION IN WETLAND RESTORATION AREA
- WETLAND MITIGATION RATIO =  $\frac{1.4}{10.4} = 7.4$

**GEE & JENSON**  
ENGINEERS - ARCHITECTS - LANDSCAPE ARCHITECTS  
NASSAU COUNTY, FLORIDA

**SADLER ROAD RETENTION POND**  
NASSAU COUNTY  
SCHEME 1

PROJ. NO.

2/1/96