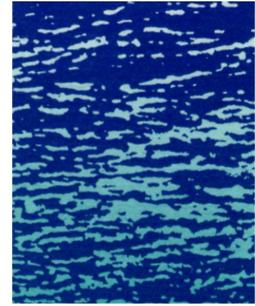


Request for Quote

Date: 18 March 2009
To: Prospective qualified contractors
From: Erik J. Olsen, P.E. 
Re: Request for Quote: Beach Tilling Services
Fernandina Beach, FL, Beach Restoration Project



Coastal Engineering

Total Pages Sent: 3

The City of Fernandina Beach, Florida hereby requests a lump sum cost quotation from your firm to perform beach tilling (and escarpment removal) services along the Atlantic Ocean shoreline at Fernandina Beach for purposes of penetrating and loosening beach sand prior to sea turtle nesting season in 2009. The General Specifications for the required work may be found on the attached page. Your cost proposal should specifically state that you have visited the site prior to submittal and that you are therefore familiar with all aspects of the work (access, existing beach width, equipment requirements, etc.) which could affect performance and the required completion date.

Your prompt response to this request by the end of business on **Friday, 27 March 2009** is greatly appreciated. Please fax, mail, or deliver your response to:

Erik J. Olsen, P.E.
Olsen Associates, Inc.
4438 Herschel St.
Jacksonville, FL 32201
(904) 387-6114
(904) 384-7368 (FAX)

Please include a copy of the Specifications *with your quote* as formal acknowledgement of the work to be performed for the lump sum amount provided. All quotes should be good for a period of 30 days. Questions may be directed to Erik Olsen at 904-387-6114 (eolsen@olsen-associates.com).

Thank you.

Enc/2 pages

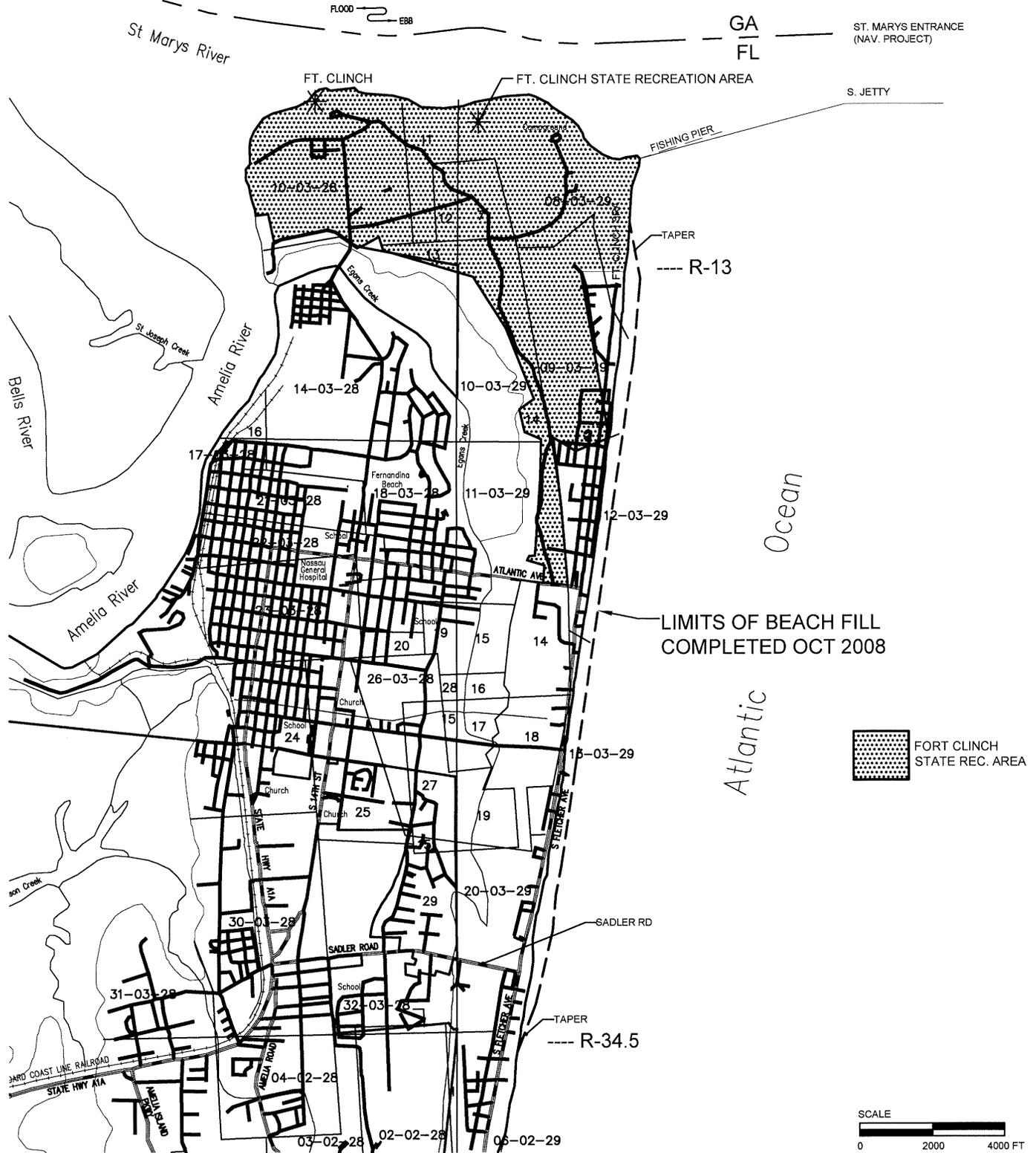
olsen
associates, inc.

4438 Herschel Street
Jacksonville, FL 32210
(904) 387-6114

**Beach Tilling Requirements – Fernandina Beach, FL
Nassau County Shore Protection Project**

1. The Contractor shall furnish all plant, labor, equipment, supplies, and material, and shall perform all operations in connection with the tilling of the beach along portions of the Fernandina Beach, FL, Atlantic Ocean shoreline (map attached). The dry beach shall be tilled to a depth of 36 inches so as to penetrate and loosen beach sand (a) to 36 inches below the surface, and (b) laterally without leaving unloosened compact sand between the adjacent paths of tilling tines. The beach shall be tilled between the seaward toe of the dune, vegetation line, or existing structures (whichever is farthest seaward) and the existing escarpment line. Where no escarpment line is present, tilling shall extend to the landward limit of the typical wave swash zone. Tilling shall include the top of existing escarpments at the limit of the swash zone so as to eliminate any existing escarpment. Prior to completion of the work, any existing escarpments that exceed 18 inches in height for a distance of 100-feet or more shall be leveled to approximate natural beach grades as part of this work.
2. The shoreline area to be tilled is (see Figure 1):
Approximately 4-miles long, extending from the boundary of the Ft. Clinch State Park on the north (R-13), southward to a location approximately 1,500 ft. south of Sadler Rd. (R-34.5). The subject federal beach fill was completed in October 2008, but has equilibrated significantly (*i.e.*, narrowed in width) since that time.
3. An even surface, with no deep ruts or furrows, shall be created during tilling. To accomplish this, a pipe, beam, chain-link fencing, or other suitable material shall be dragged over those areas as necessary after tilling to smooth the beach surface.
4. The work shall be completed *and* accepted prior to: **1 May 2009**
5. The Contractor shall notify the City Manager at least 48 hours (2 business days) prior to commencing work on the beach, and shall indicate those days and locations where tilling activity is anticipated. The Contractor shall meet with the City staff and/or its representative prior to commencing tilling to discuss the physical limits, beach access areas, details of the proposed work schedule, and other aspects of work.
6. It is the Contractor's responsibility to operate the tilling equipment safely and to adequately protect the public and others using the beach. The Contractor is advised that the work could potentially occur during a period of heavy beach use (*i.e.* Spring Break). With the written permission of the City, the Contractor may perform the work during night-time hours, provided the tilling equipment has adequate safety lighting and is preceded by an attendant (on lighted ATV or similar).
7. The Contractor is responsible for obtaining any necessary licenses to conduct the work in Nassau County, FL or the city of Fernandina Beach, FL.
8. The Contractor shall provide proof of general liability insurance to a minimum level of \$1,000,000.00. Such insurance shall name the City of Fernandina Beach as an additional insured.
9. Acceptance through inspection of the work will be performed by the City or their delegated representative.
10. All work shall be in accordance with FDEP Permit No. 0264288-001-JC. Liaison with the local sea turtle coordinator (Mary Duffy) shall be required after 15 April 2009.

Attachment – Figure 1



LOCATION OF WORK (R13 - R34.5)

APPLICANT:
CITY OF FERNANDINA BEACH



olsen
associates, inc.
4438 Herschel Street
Jacksonville, FL. 32210
(904) 387-6114
(Fax) 384-7368
COA No. 00003491

NASSAU COUNTY, FL
SHORE PROTECTION PROJECT
LOCATION OF BEACH TILLING (2009)

DATE:	APPROVED	REVISION	DATE:
			MARCH 2009
			DRAWN BY: ML
			FIGURE 1