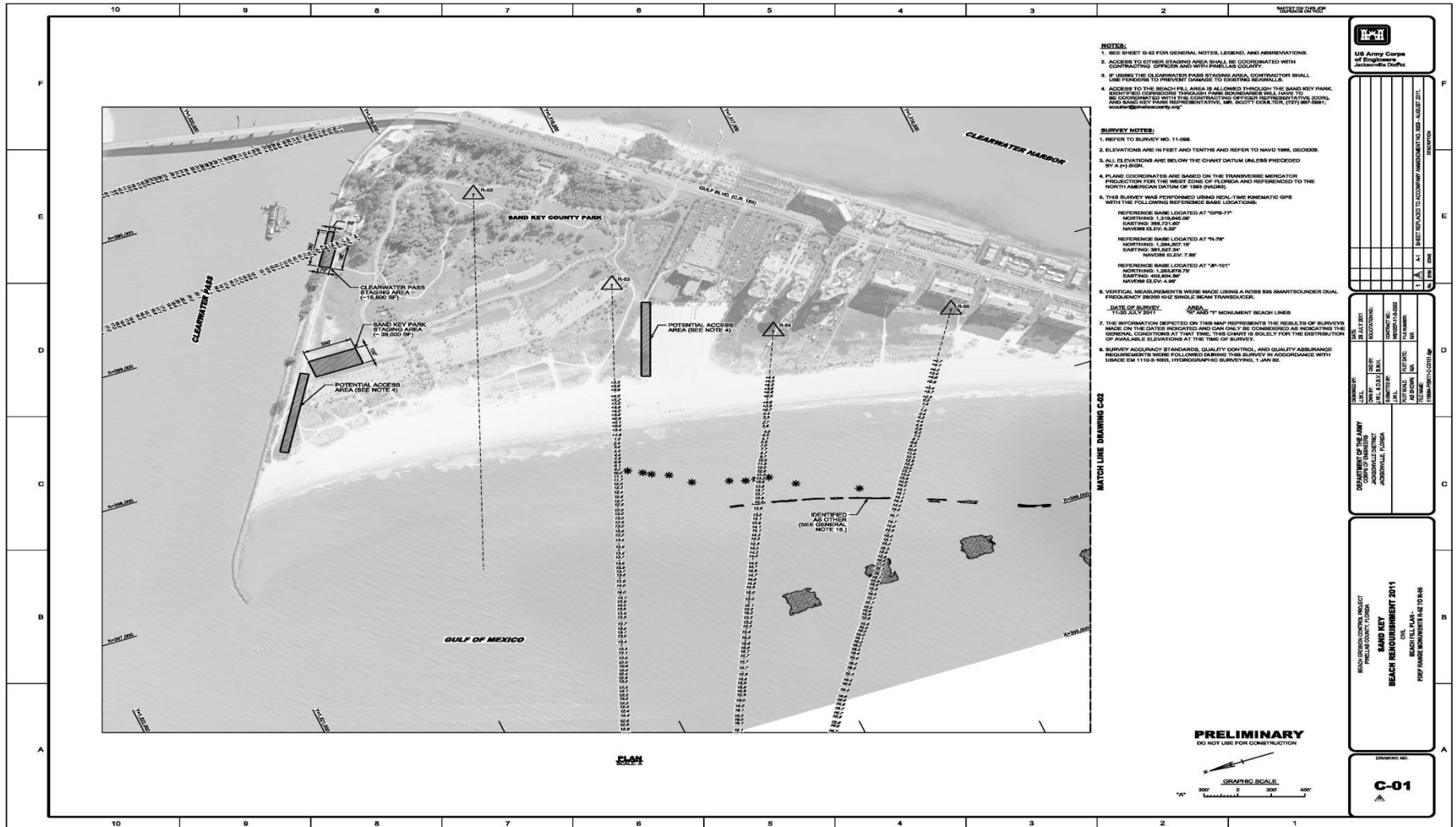


Order of Work



Contractor Staging Area



Contractor Staging Area Aerial



727.520.8181
www.aerophoto.com

Belleair Beach - Pinellas County Shore Protection

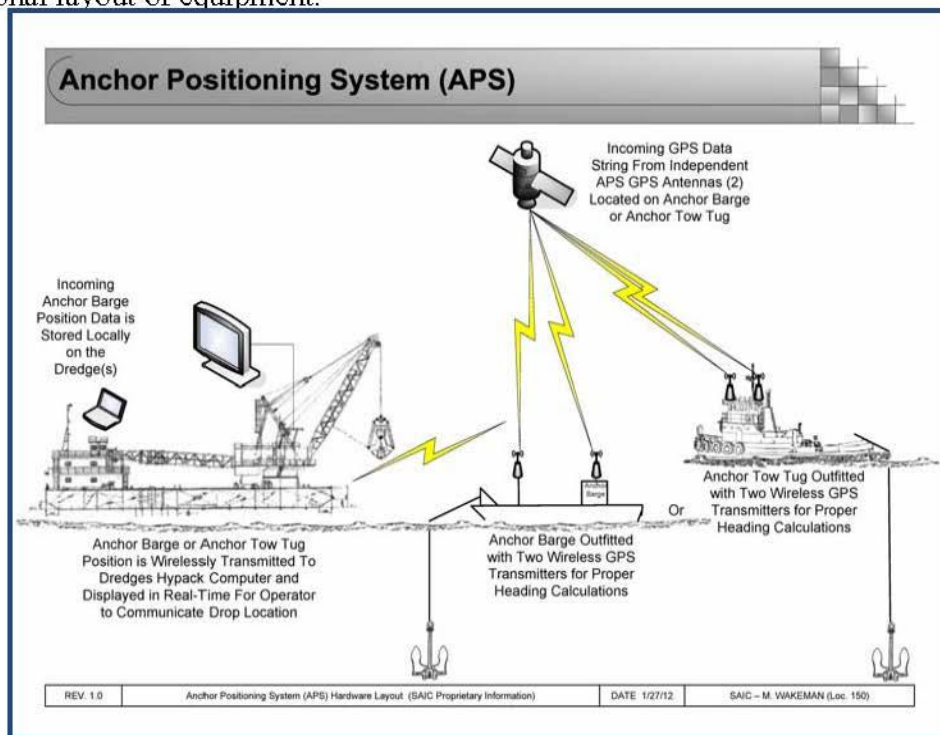
Negative # 60308 786
Date 03.08.06

2/23/2012

Sand Key Beach Renourishment 2011



The Anchor Positioning System (APS) would utilize two Wireless GPS transmitters located on either the anchor barge or anchor tow tug. Each transmitter would independently send their position to the dredge and tug Hypack computers simultaneously at a 2-second interval. Upon receipt, the dredge computer can apply vessel offsets and heading corrections to properly display the barges or tugs position on the dredge operators screen. When received, incoming anchor barge or anchor tow tug position data will also be stored locally on the dredge. Below is a figure (Fig. 1) of the operational layout of equipment.



www.Saic.com

Vibration Monitoring Equipment



Tiny's International Marine Environmental Services

Capt. Richard E. Alboth Jr.

P.O. Box 511

Cape Canaveral FL 32920

Cell Phone 1 321 863 6561

EMAIL TINYSMARINE@AOL.COM

ONE CALL DOES IT ALL



RESEARCH 1 IS A 31 FT BY 10.6 BEAM OFFSHORE SHORE CENTER CONSOLE BOAT, WITH TWIN 250 HP YAMAHA O/B NEW IN 2009. TOP SPEED 58 MPH, FUEL 300 GAL

ELECTRONICS 25 WATT ICOM VHF, 40 WATT HAILER, GARMAN 3210/ DGPS / WAAS COLOR CHARTPLOTTER WITH GDL MARINE WEATHER SATELLITE RECEIVER, PLUS GSD 22 COLOR SOUNDER / SONAR WITH A 16,000 WATT TRANSDUCER 5,000 FT MAX DEPTH. 32 MILE 4 KW RADAR, LAPTOP WITH MAPTECH SOFTWARE. ALL EQUIP IS INTERFACED. AND HAS A RDF AN AIS. THIS VESSEL MEETS ALL USCG / USACOE REGS. AND SAFETY . N.M.F.S. and State Approved Endangered Species Observers. Environmental Consulting.

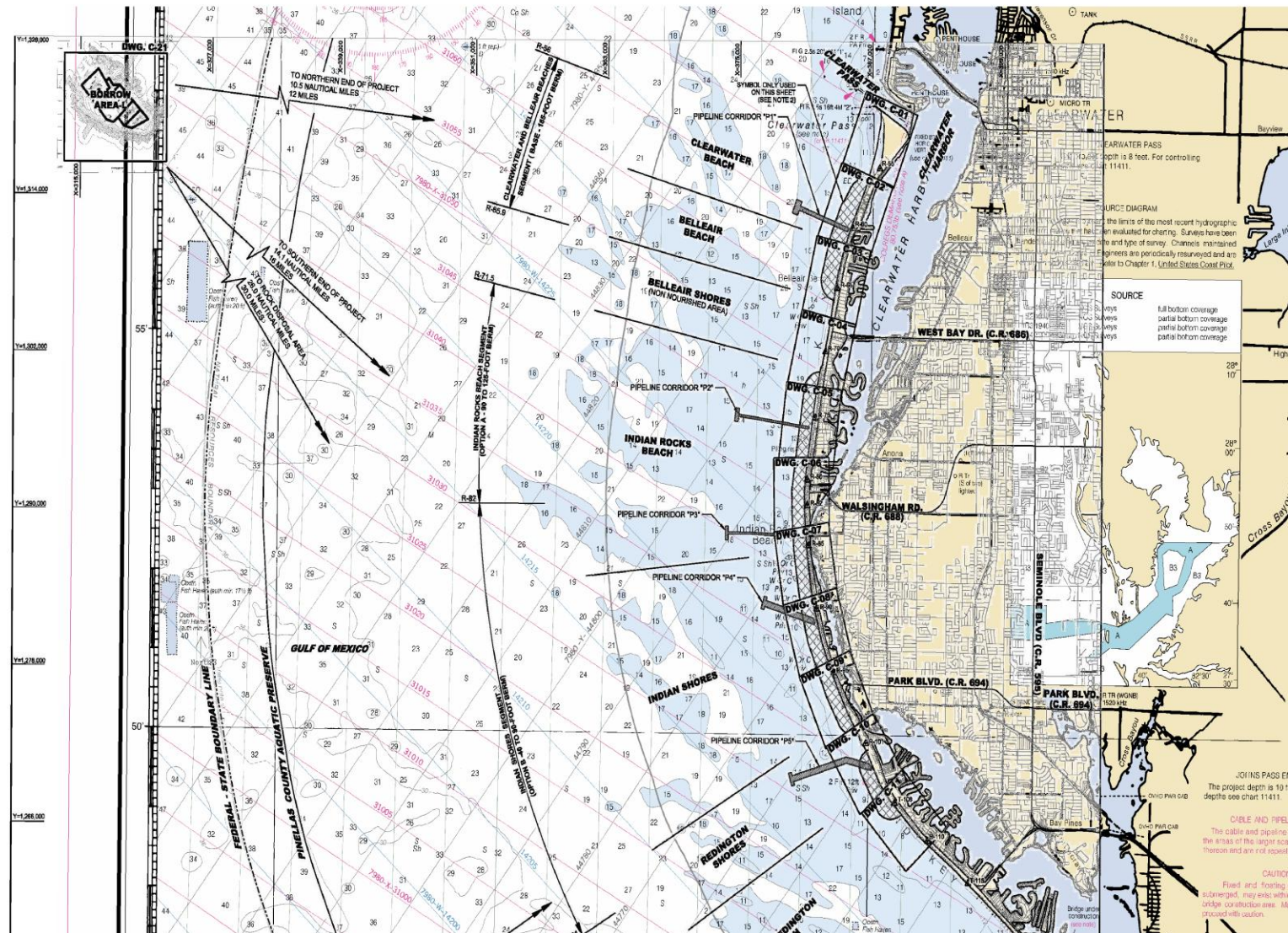
SALVAGE WORK, TOWING, OFFSHORE FISHING CHARTERS.

METHODOLOGY

20 Years Exp. Turbidity Monitoring (Equipment)

Hach Model 2100P Portable Turbidity Meter

Van Dorn 1L Water Sampler with 50 Meters of Calibrated Nylon Line, with a Leaded Collar. Which Provides a Rapid Descent with Minimal Drift. All Testing are performed aboard Research 1. All Turbidity Samples are performed in NTU'S and not to exceed 29 NTU'S over Background. All samples are Analyzed Within 30 Min. from the collection Time. All Turbidity Samples are taken within Compliance of this Contract. Also D06 Portable Dissolved Oxygen Meter will be used. DO samples will be taken as stated in this contract.



24" CSD Dredge "Charleston"



Spider Barge (Fills Scows)



Spider Barge



Scows



Material Barges “SCOWS”



Tug Towing Scow



Barge Unloader “Vicksburg”



727.520.8181
www.aerophoto.com

Belleair Beach - Pinellas County Shore Protection

Negative # 51111 032
Date 11.11.05

2/23/2012

Sand Key Beach Renourishment 2011

16



727.520.8181
www.aerophoto.com

Belleair Beach - Pinellas County Shore Protection

Negative # 51212 090
Date 12.12.05

2/23/2012

Sand Key Beach Renourishment 2011

17



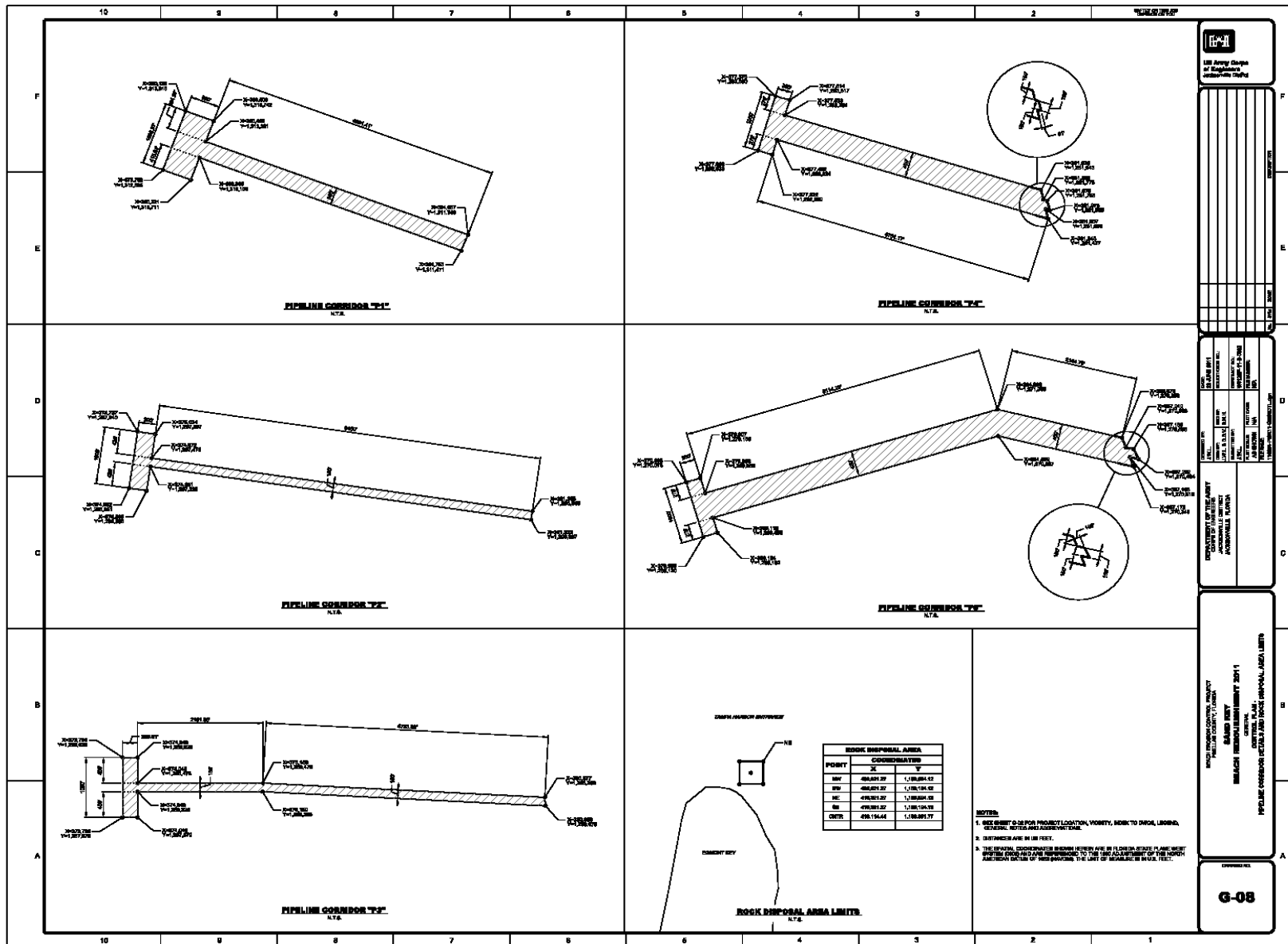


2/23/2012

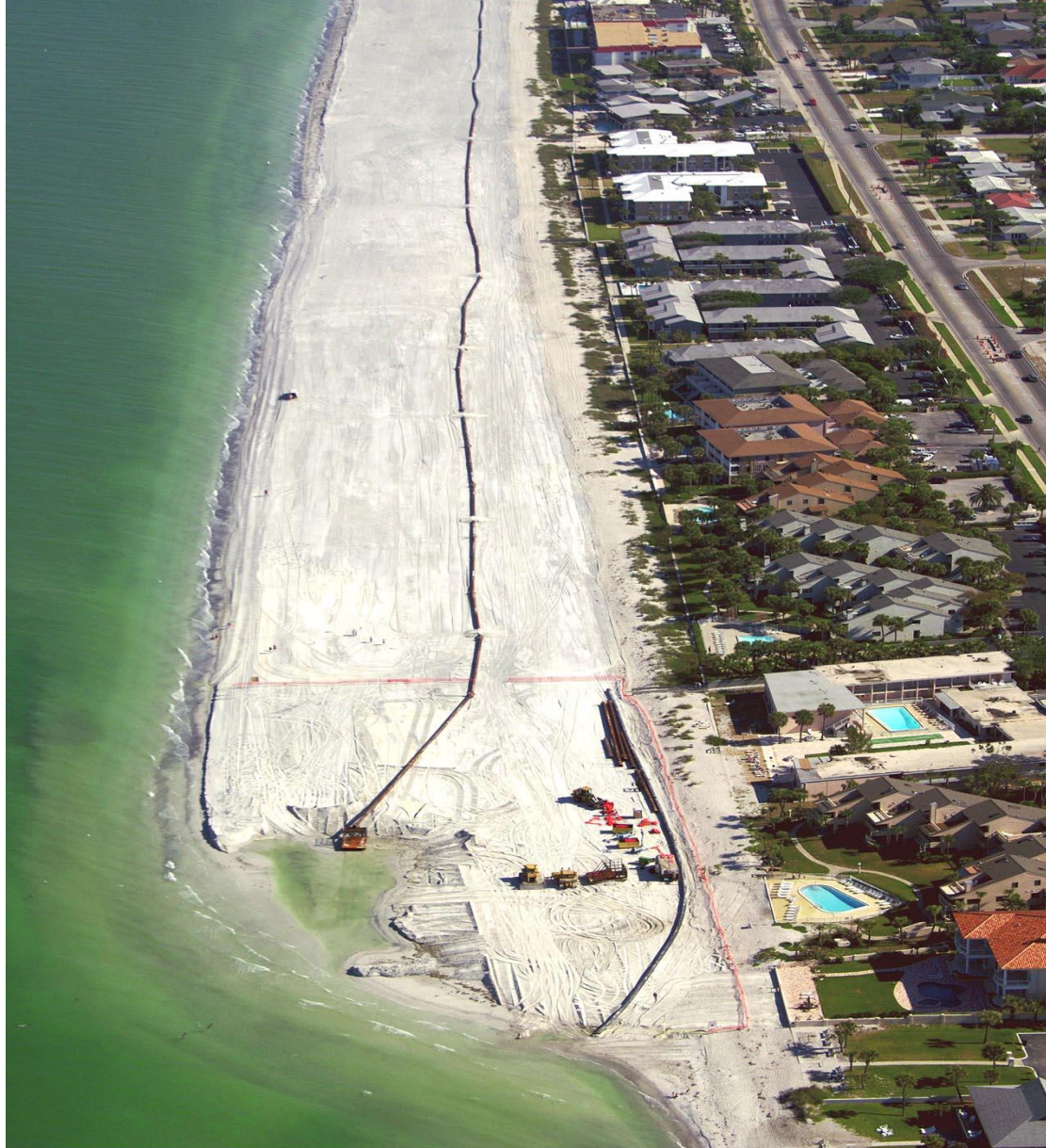
Sand Key Beach Renourishment 2011

19









727.520.8181
www.aerophoto.com

Belleair Beach - Pinellas County Shore Protection

Negative # 60407 768
Date 04.07.06



727.520.8181
www.aerophoto.com

Belleair Beach - Pinellas County Shore Protection

Negative # 60908 026
Date 09.08.06

2/23/2012

Sand Key Beach Renourishment 2011

26







Questions ???