

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commander (dpb)  
Seventh Coast Guard District

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Miami, FL 33131-3028

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16591/3895  
Jan 05, 2011

## PUBLIC NOTICE (01-11)

All interested parties are notified that the Commander, Seventh Coast Guard District has received an application from T Y LIN International, on behalf of the City of Sanibel, Florida, requesting approval of location and plans for the replacement of a box culvert with a bridge over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** Sanibel River, mile 1.0, on Lindgren Boulevard at the City of Sanibel, Lee County, Florida; Latitude: 26°26'35.16"N, Longitude: -82°02'18.90"W.

**CHARACTER OF WORK:** The City of Sanibel is proposing to replace the box culvert on Lindgren Boulevard across the Sanibel River with a single span fixed bridge. The existing box culvert was built in 1960 and has become unsafe. The proposed replacement bridge will provide two travel lanes, two shoulders, and one multi-use path. The proposed bridge will have an out-to-out width of approximately 62 ft. The navigational channel at the bridge will be excavated to an elevation -5.5 ft NGVD 1929, which is 2.25 ft deeper than the existing channel. All parts of the existing to be replaced box culvert will be removed in their entirety.

### MINIMUM NAVIGATIONAL CLEARANCES:

#### Existing

Horizontal: 10 ft  
Vertical: 9.8 ft above Mean High Water,  
11.2 ft above Mean Low Water

#### Proposed

Horizontal: 15 ft between pile caps  
Vertical: 10.5 ft above Mean High Water,  
11.9 ft above Mean Low Water

### ENVIRONMENTAL CONSIDERATIONS:

The United States Coast Guard, the lead federal agency, has made a tentative determination that the proposed action is a categorical exclusion for the purposes of the National Environmental Policy Act (NEPA) because it satisfies criteria for such actions listed in the Coast Guard's NEPA Implementing Instructions. The project is located in the floodplain. The 100-year flood elevation is 12.0 ft, and the low member elevation of the proposed bridge is approximately 10.5 ft; elevations are referenced to NGVD 1929 datum. Fill volume below mean high water will be 30 cubic yards; excavated volume will be 120 cubic yards (net excavation of 90 cubic yards). Impacts to surface water of the Sanibel River will be limited to replacement of the box culvert with a concrete deck bridge with an increase of 5 ft in length and 11 ft in width. Water Quality Certification pursuant to Section 401, Public Law 92-500, 33 USC Section 1341, as amended, was issued as an Environmental Resource Permit (ERP) Notice General from the South Florida Water Management District (SFWMD), permit number 36-07419-P, dated 8/16/2010.

Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act were conducted and concluded via phone conversation between US Coast Guard and National Marine Fisheries Service on December 20, 2010. No submerged aquatic vegetation occurs within the project limits. Fringe mangroves are present but no impacts to these fringe mangroves are anticipated, any unintentional impacts will be mitigated at a 1:1 ratio as outlined in the SFWMD ERP. No wetland impacts are anticipated as a result of the proposed project. Our determination is that the proposed project would not have any impact on EFH or federally managed fisheries. To avoid any potential impacts to the manatee and the smalltooth sawfish *Standard Manatee Construction Conditions for In-Water Work* and *Sea Turtle and Smalltooth Sawfish Construction Conditions* are included as part of the SFWMD ERP and will be implemented. With the implementation of the manatee and smalltooth sawfish construction conditions we have made an initial determination that the proposed project may affect but not likely to adversely affect the West Indian manatee and the smalltooth sawfish. No impacts are anticipated to any other protected species. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service and the U.S. Fish and Wildlife Service. No historic or archeological sites listed or eligible for listing in the National Register are expected to be affected by the proposed bridge project.

#### **SOLICITATION OF COMMENTS:**

Mariners are requested to comment on the proposed vertical and horizontal navigational clearances, the need for a bridge protective fendering system and other navigational safety issues including the extent of nighttime navigation past the bridge site.

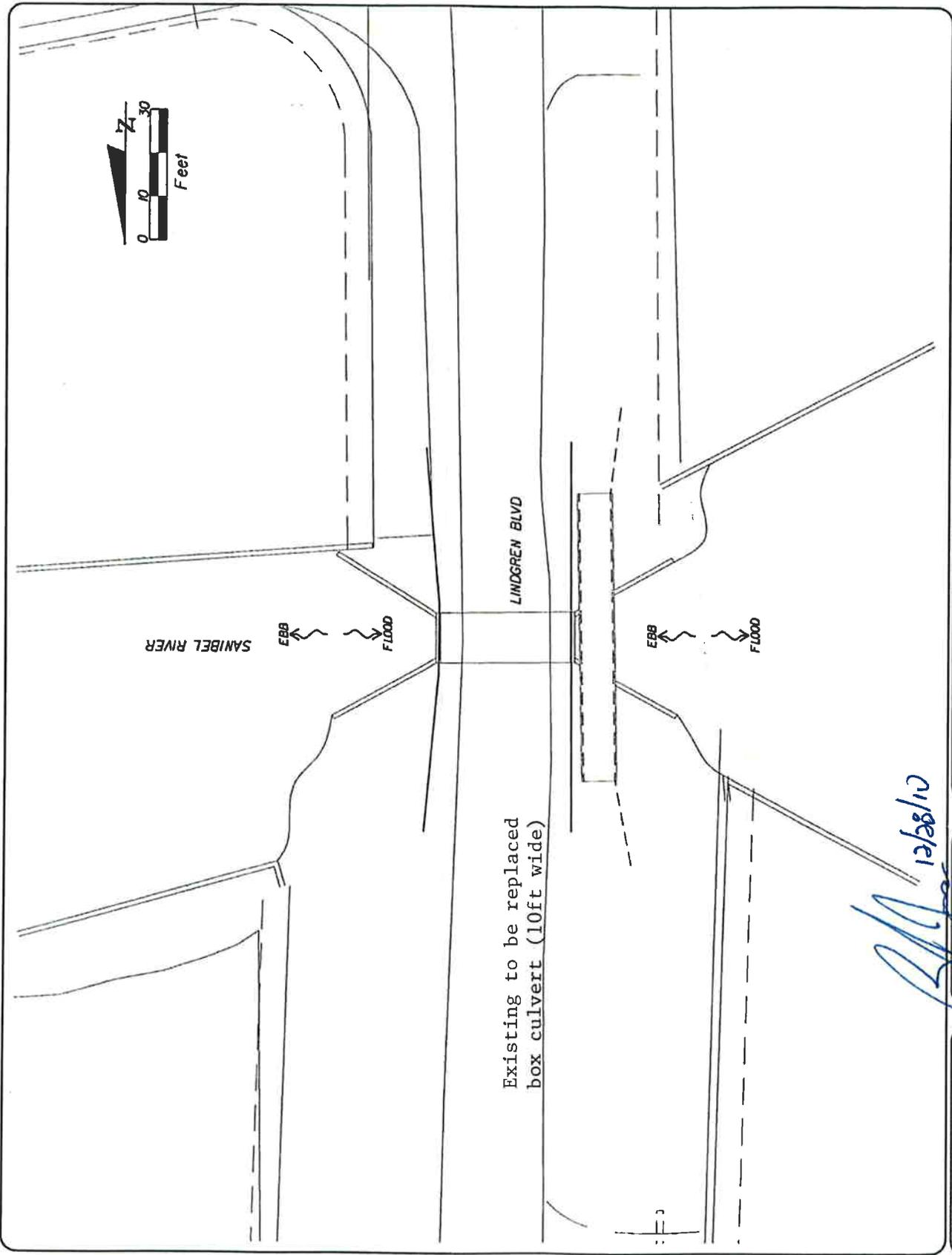
Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible impact on minority and/or low income population, if any, giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed work. Comments will be received for the record at the office of: Commander (dpb), Seventh Coast Guard District, 909 SE 1st Ave., Ste 432, Miami, Florida 33131-3028, for a thirty day period from the date of this public notice. Our project manager for this application is Mr. Randall Overton. He can be contacted by telephone at (305) 415-6749, by mail at the above address, or e-mail at [randall.d.overton@uscg.mil](mailto:randall.d.overton@uscg.mil). Comments received will be made part of the case record.

Map of location and plans attached.

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"This is a web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version."





**T.Y. LIN INTERNATIONAL**  
 10000 S. STATE STREET  
 SUITE 200  
 FORT MYERS, FLORIDA 33907  
 TEL: (239) 332-4946  
 FAX: (239) 332-4795  
 WWW.TYLIN.COM

APPROVED BY:  
**BARRY E. JONES, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA LICENSE NO. 38825

*[Handwritten Signature]*  
 01/28/11



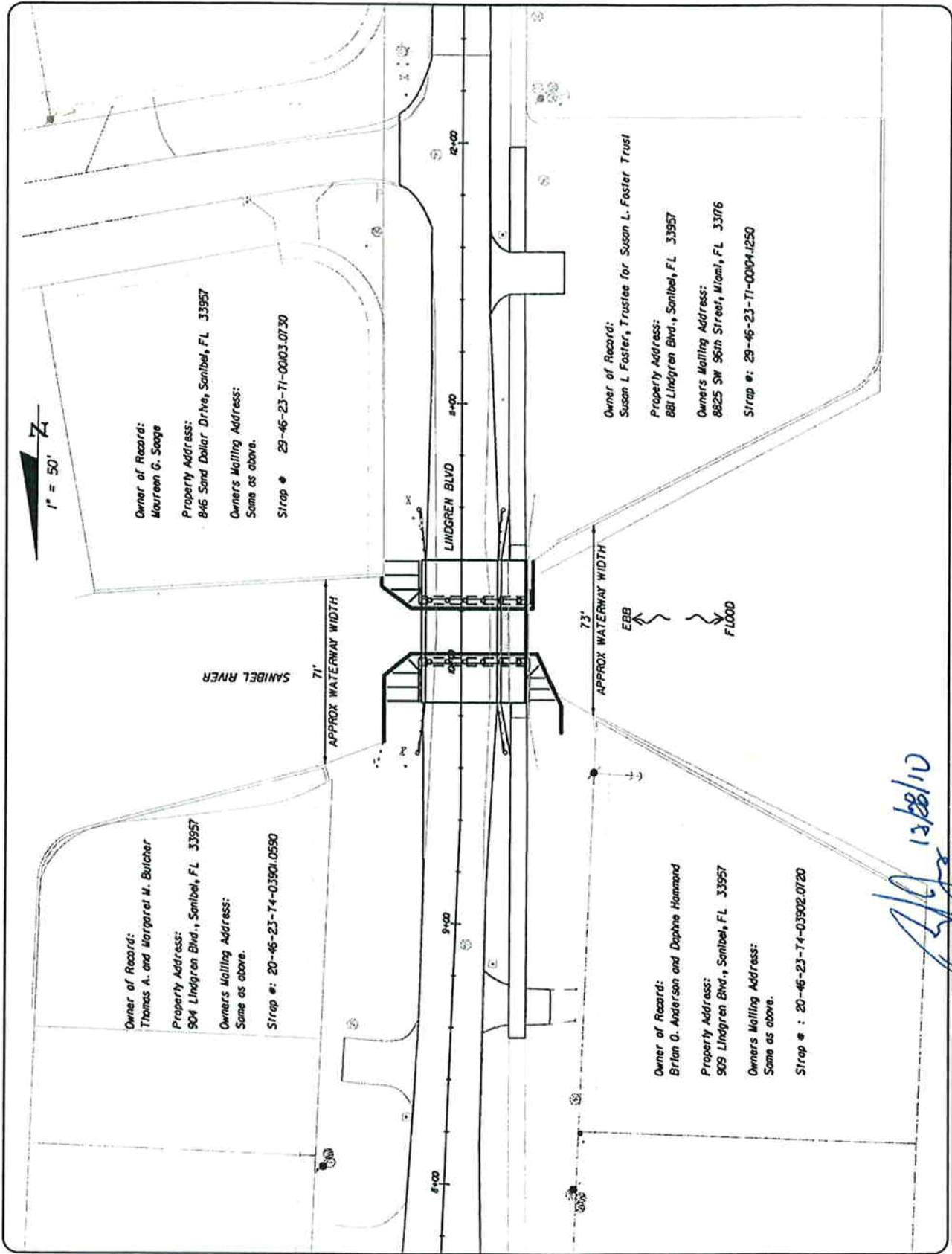
THE CITY OF SANIBEL  
 PUBLIC WORKS  
 DEPARTMENT

800 Duval Road  
 Sanibel, FL 33957  
 T: 239-472-3700  
 F: 239-472-3085

**EXISTING CONDITIONS**  
**LINDGREN BOX CULVERT REPLACEMENT**  
**SANIBEL RIVER, MILE 1.0**

SHEET  
 NO.  
**2 OF 5**

DATE: 01/28/11  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]



**T.Y. LIN INTERNATIONAL**  
2400 FIRST STREET  
SUITE 400  
MIAMI, FLORIDA 33130  
TEL: (239) 332-4896  
FAX: (239) 332-4758  
WWW.TYLIN.COM

DESIGNED BY  
**EMORY E. JONES, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA CERTIFICATE NO. 58275

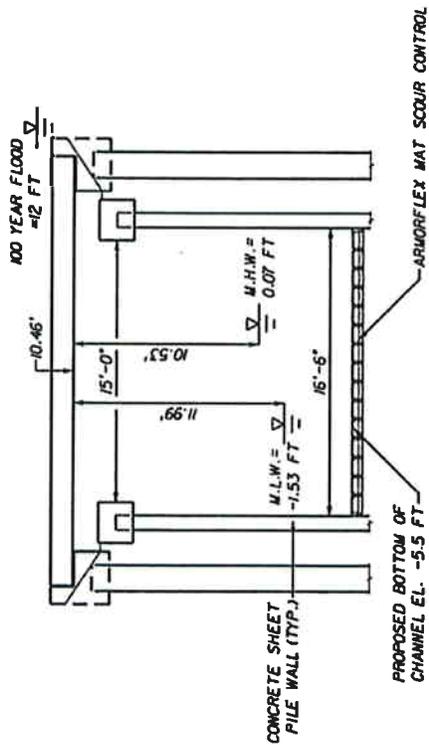
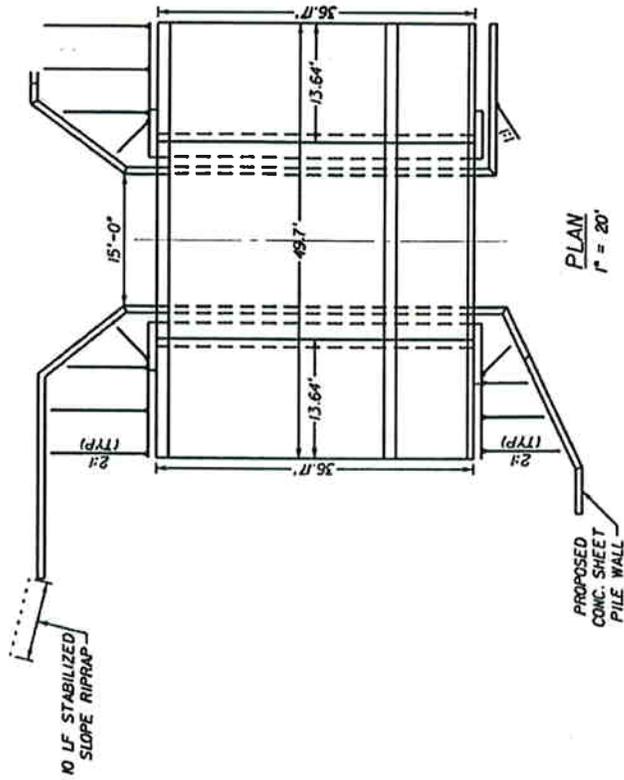
  
**THE CITY OF SANIBEL**  
PUBLIC WORKS  
DEPARTMENT

4400 DUNN BLVD  
SANIBEL, FL 33957  
T: 239 472 3700  
F: 239 472 3005

Sanibel 42727229  
12/28/10

**PLAN**  
**LINDGREN BOX CULVERT REPLACEMENT**  
**SANIBEL RIVER, MILE 1.0**

SHEET  
NO.  
**3 OF 5**  
DATE



IMPACTED AREA (MATTED) = 650 SF  
EXCAVATED VOLUME = 120 CY  
FILL VOLUME = 30 CY

ELEVATION DATUM NGVD 29

*[Handwritten signature]*  
5/28/10

**T.Y. LIN INTERNATIONAL**  
2400 FIRST STREET  
SUITE 400  
FORT MYERS, FLORIDA 33904  
TEL: (823) 332-4846  
FAX: (823) 332-4798  
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PROJECT: **BARRETT E. JONES, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA LICENSE NO. 52825



THE CITY OF SANIBEL  
PUBLIC WORKS  
DEPARTMENT

800 Daniels Road  
Sanibel, FL 33957  
T: 339-472-3700  
F: 339-472-3025

**PROFILE DETAILS**  
**LINDGREN BOX CULVERT REPLACEMENT**  
**SANIBEL RIVER, MILE 1.0**

SHEET NO.  
4 OF 5

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SECONDARY OPTION DISTANCE FROM BRIDGE LOCATION TO SAN CARLOS BAY 1.00 MILE OR 1.60 km

PEDESTRIAN BRIDGE SPOONBILL CT

EAST GULF DR

SAND DOLLAR DR

EBB SANIBEL RIVER FLOOD

PROPOSED BRIDGE LOCATION CONTROL STRUCTURE

WHELK DR

ANGEL WING DR

LINDGREN BLVD

CANALS PERWINKLE WAY

BRIDGE

PRIMARY OPTION DISTANCE FROM BRIDGE LOCATION TO SAN CARLOS BAY 1.05 MILES OR 1.69 km

BOX CULVERT

SAN CARLOS BAY

SHEET NO. 5 OF 5

LOCATION MAP LINDGREN BOX CULVERT REPLACEMENT SANIBEL RIVER, MILE 1.0

THE CITY OF SANIBEL PUBLIC WORKS DEPARTMENT



ESHERY, E. JONES, P.E. ENGINEERS

T.Y. LIN INTERNATIONAL 1401 FIRST STREET SUITE 200 FORT MYERS, FLORIDA 33901

Handwritten signature and date 12/18/10