U.S. Department of Homeland Security
United States Coast Guard

Commander
Seventh Coast Guard District

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16591/3828
18 January 2013

PUBLIC NOTICE (01-13)

All interested parties are notified that an application dated 29 November 2012 has been received from Hardesty and Hanover, on behalf of the Miami-Dade County Public Works and Waste Management Department by the Commander, Seventh Coast Guard District, for approval of location and plans for replacement of a bridge over navigable waters of the United States.

WATERWAY AND LOCATION: Tamiami Canal (C-4 Canal), mile 0.06, on NW South River Drive/Delaware Parkway Bridge at Miami, Miami-Dade County, Florida.

CHARACTER OF WORK: The project involves the replacement of the existing two-lane, historic, steel Warren Pony-Truss swing bridge with a new four-lane, single-leaf bascule bridge. The bridge was classified as "structurally deficient", "functionally obsolete" with a sufficiency rating of 36.4 out of 100 and does not meet current FDOT design guidelines. The overall length of the new bridge will be 217 feet with an out-to-out width of 78 feet, consisting of two 11 feet wide travel lanes in each direction (four travel lanes) with 2 feet 6 inch wide shoulders on each side of the travel lanes. There will be a 6 feet wide (east) and 12 feet wide (west) sidewalks separated from the roadway by a traffic barrier on both sides of the bridge. All parts of the existing bridge not utilized in the new bridge will be removed in their entirety except for the foundation piles which will be cut-off approximately two feet below the existing mudline. The new bascule bridge will completely span the waterway, therefore no fender system is proposed. The time required to remove the existing bridge will be approximately three months. NW South River Drive at the bridge will be closed to vehicular traffic. A detour will be established via NW South River Drive, NW 20th Street, NW 19th Terrace, NW 37th Avenue, NW 21st Street, NW 33rd Avenue and NW South River Drive.

MINIMUM NAVIGATIONAL CLEARANCES:

Existing
Horizontal: 46 feet between fenders, normal to the axis of the channel

Vertical: 6 feet above MHW in the closed position

Proposed
Horizontal: 90 feet between seawalls, normal to the axis of the channel

Vertical: 7 feet above MHW in the closed position

Vertical: 75 feet above MHW in the open position for both existing and proposed bridges. Miami River I-95 fixed Bridge has a guide clearance of 75 feet above MHW.

ENVIRONMENTAL CONSIDERATIONS:

The Federal Highway Administration, the lead federal agency, has reviewed the environmental assessment prepared by the applicant and has determined that the proposed action will not have a significant impact for purposes of the National Environmental Policy Act. The Environmental Assessment/Findings of No Significant Impact (FONSI) documents are available for review at the above address, Monday through Friday, 7:30 a.m. to 5:00 p.m.

The bridge is located in the floodplain. The l00-year flood level is 8 feet mean sea level, while elevation of the low member of the bridge is 8.28 feet, mean sea level. Approximately 1,000 cubic yards of fill and/or rubble rip rap will be placed below MHW for construction of the canal lining, bulkheads and footings. The Tamiami Canal is identified as a surface water body that is defined by the US Army Corps of Engineers as a deep water aquatic habitat. The site appeared to be entirely upland and no wetland impacts are anticipated. The proposed work also includes dredging the canal by removing the impediment to flow in the canal caused by piers of the existing bridge. Water quality certification for this project pursuant to Section 401, Public Law 92-500, 33 USC Section 1341, as amended, has been applied for, however, has not yet been issued by the South Florida Water Management District. No parklands, wildlife refuges, or migratory birds will be affected by the project.

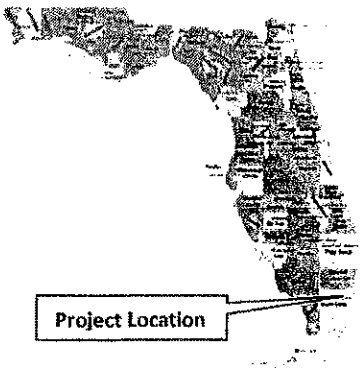
During the Section 106 consultation between FHWA and SHPO two resources were identified, National Register of Historic Places eligible Tamiami Canal Swing Bridge and the Tamiami Canal. The FHWA and SHPO agreed that it is likely there would be No Adverse Effect to both the canal and the bridge. The existing historic swing bridge will be relocated to span two nearby city properties, Fern Isle Park, at 2201 NW 11th Street and the former Police Benevolent Association property at Northwest 14th Street, to be maintained as a fixed pedestrian bridge.

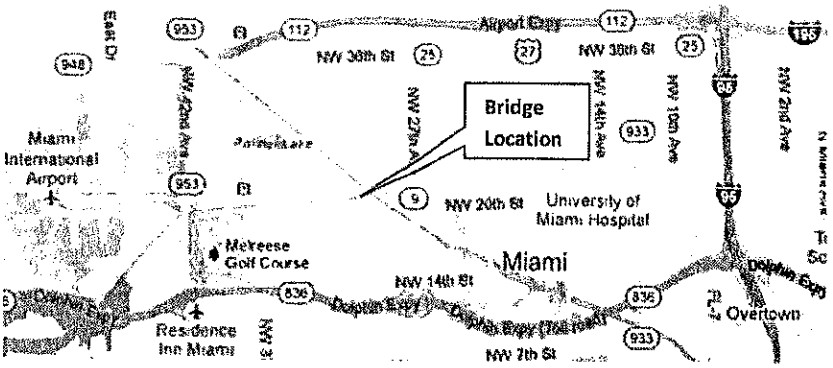
SOLICITATION OF COMMENTS:

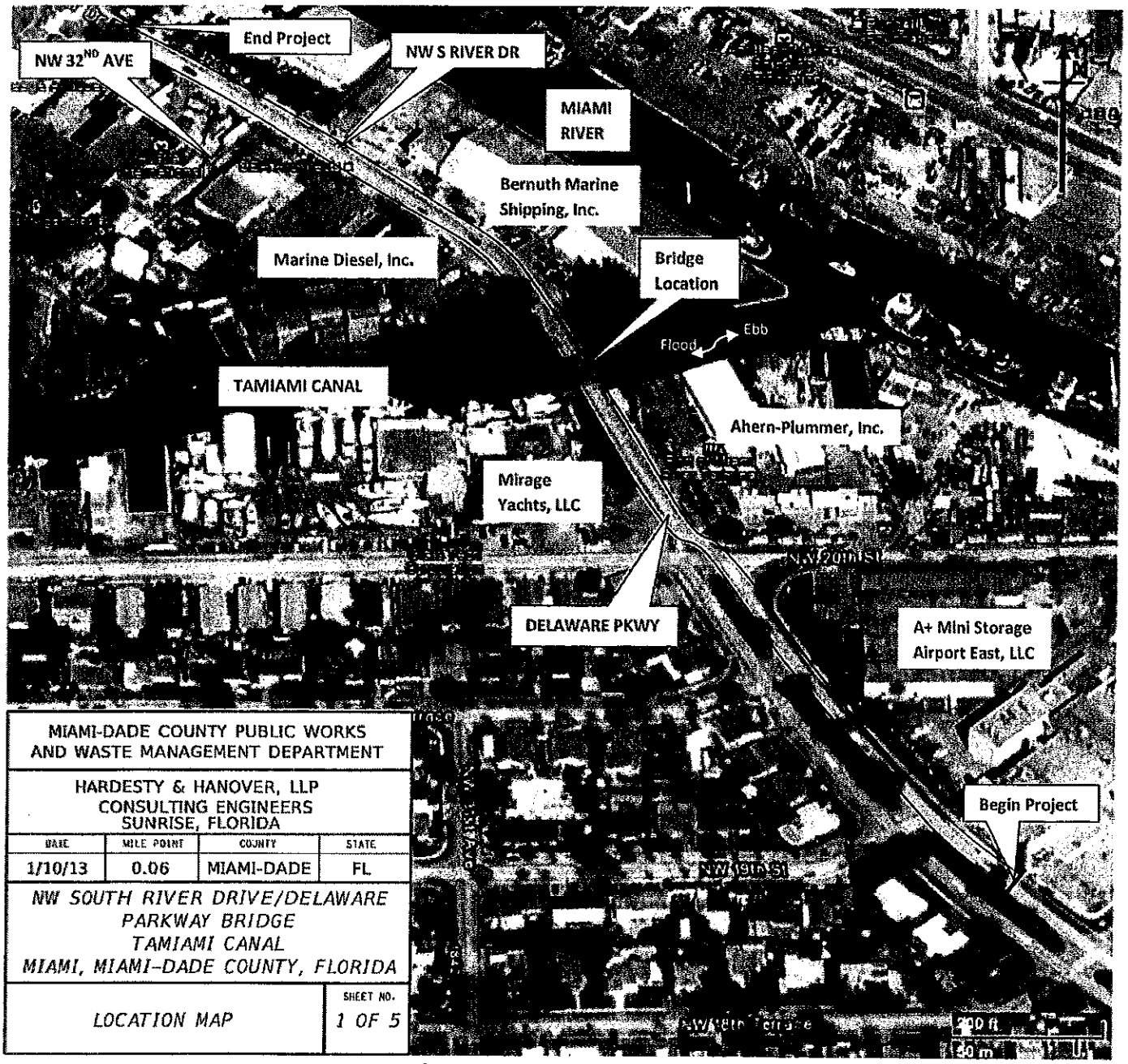
Mariners are requested to comment on the placement of a bridge protective system and other navigational safety issues, including need for clearance gauges and extent of nighttime navigation past the bridge site.

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, Seventh Coast Guard District, 909 Southeast First Avenue, Miami, Florida 33131, and should be received on or before 30 days from the date of this notice. Our project manager for this application is Ms. Evelyn Smart. She can be contacted by telephone at (305) 415-6989 or by mail at the above address.

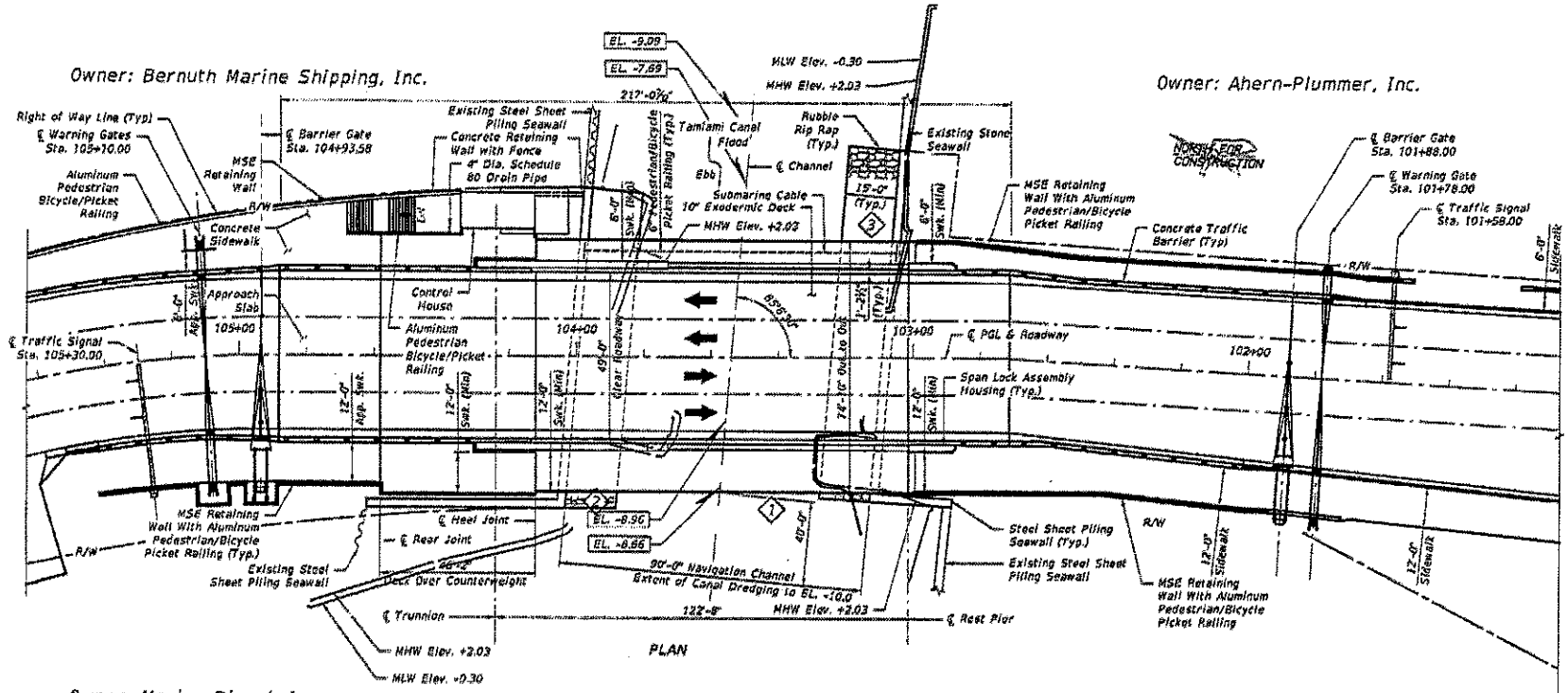
Map of location and plans attached.







MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT			
HARDESTY & HANOVER, LLP CONSULTING ENGINEERS SUNRISE, FLORIDA			
DATE	MILE POINT	COUNTY	STATE
1/10/13	0.06	MIAMI-DADE	FL
NW SOUTH RIVER DRIVE/DELAWARE PARKWAY BRIDGE TAMIAMI CANAL MIAMI, MIAMI-DADE COUNTY, FLORIDA			
LOCATION MAP		SHEET NO. *1 OF 5*	



0 25 50
Feet

LEGEND

EL. -7.69 Denotes sounding elevation

LOCATION	DESCRIPTION	QUANITY (CY)
1	Canal Dredging Excavation	3932
2	Rip Rap Excavation	265
	Rip Rap	210
3	Rip Rap Excavation	290
	Rip Rap	230

NOTES:

1. Minimum vessel collision load 300kN, empty hopper barge.
2. Vertical datumn NAVD 1929.

JOHN C. LOW
LICENSE
No 72784
1/10/13
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT DEPARTMENT

HARDESTY & HANOVER, LLP
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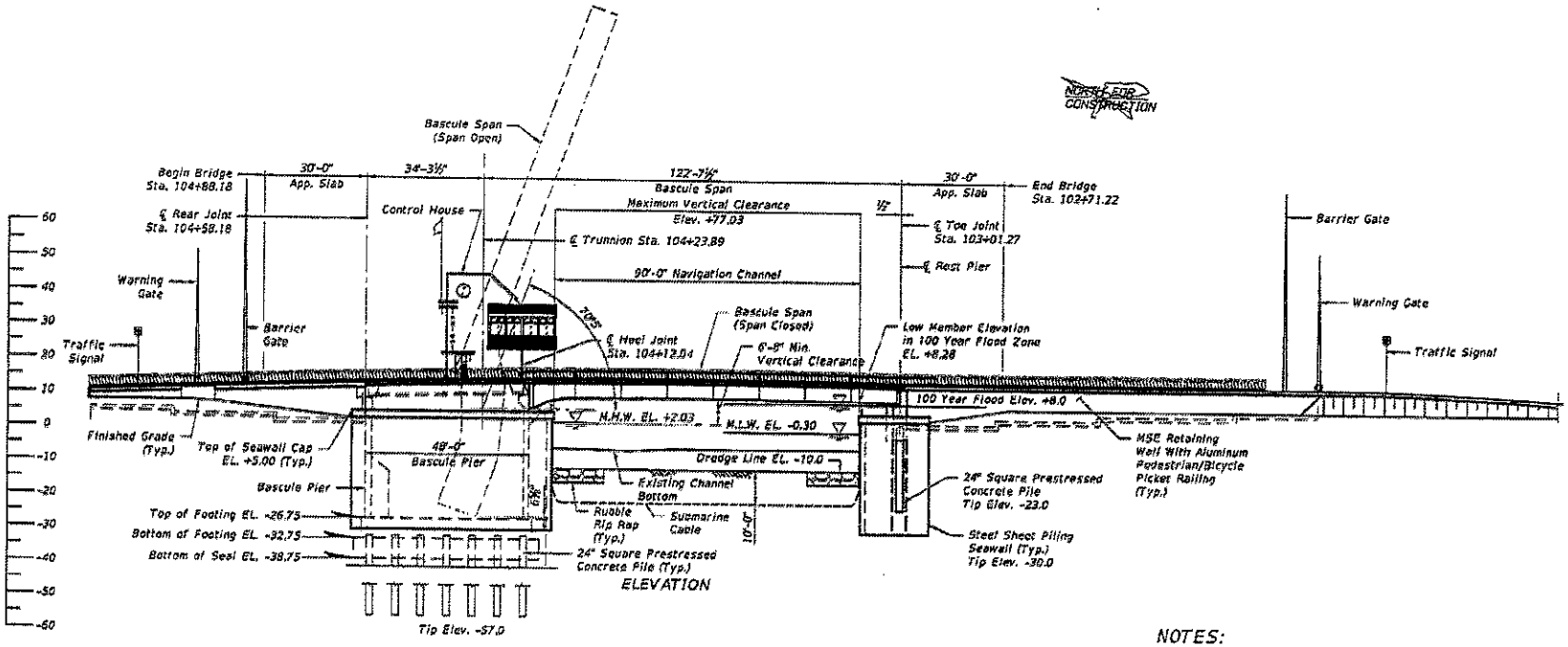
NW SOUTH RIVER DRIVE/DELAWARE PARKWAY BRIDGE
TAMIAMI CANAL
MIAMI, MIAMI-DADE COUNTY, FLORIDA

GENERAL PLAN

SHEET NO. 2 OF 4



NOTES:

1. Vertical Datum NAVD 1929.

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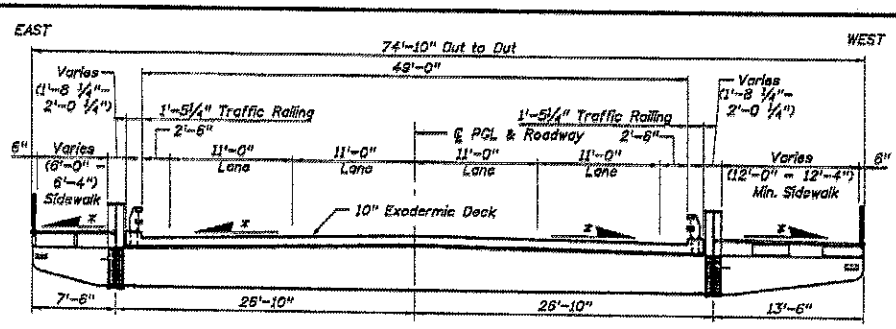
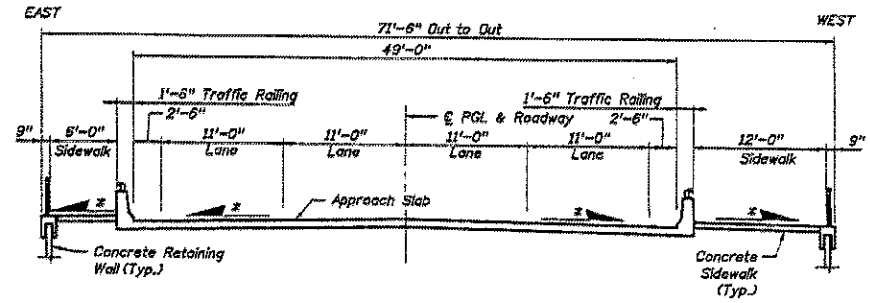
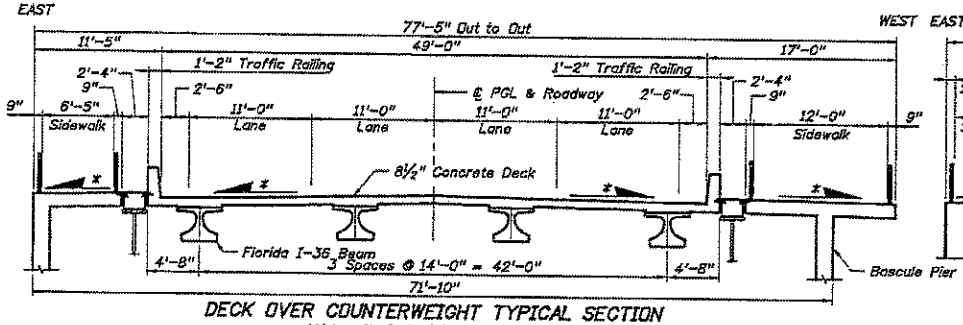
ELEVATION			SHEET NO. 3 OF 4



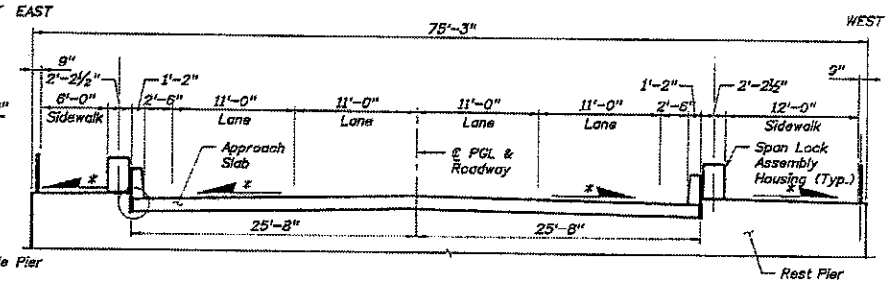
BASCULE SPAN TYPICAL SECTION



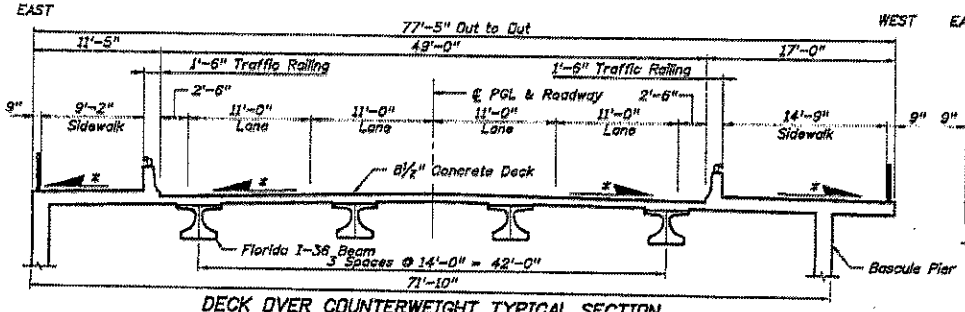
NORTH APPROACH SLAB TYPICAL SECTION



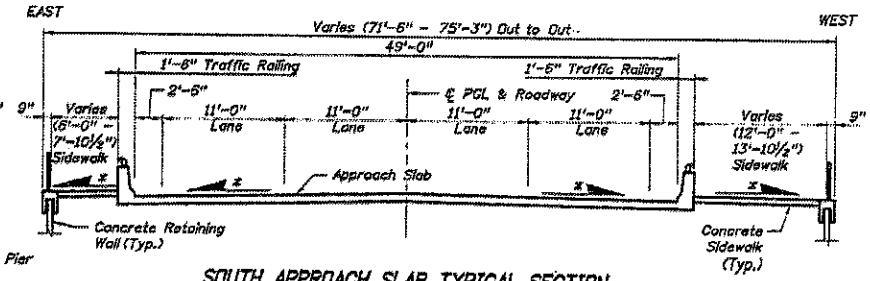
DECK OVER COUNTERWEIGHT TYPICAL SECTION
(At Longitudinal Joint - Bascule Pier)



REST PIER TYPICAL SECTION



DECK OVER COUNTERWEIGHT TYPICAL SECTION
(North of Longitudinal Joint - Bascule Pier)



SOUTH APPROACH SLAB TYPICAL SECTION
(South of Span Lock Assembly Housing)

0 8 16
Feet

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DATE	MILE POINT	COUNTY	STATE
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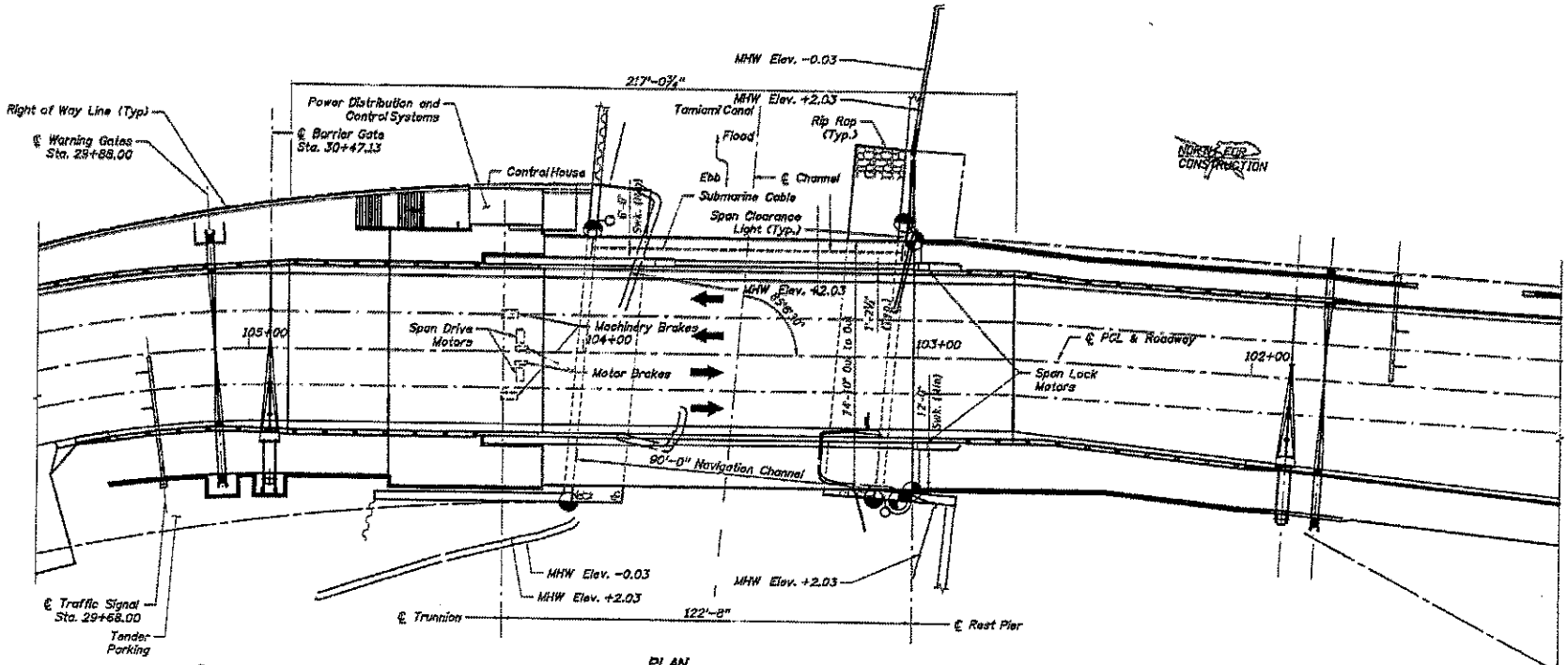
NW SOUTH RIVER DRIVE/DELAWARE
PARKWAY BRIDGE
TAMIAMI CANAL
MIAMI, MIAMI-DADE COUNTY, FLORIDA

BRIDGE TYPICAL SECTION

SHEET NO.
4 OF 4



PLAN

Clearance Gauge Light

180° Red Pier Light

180° Red/Green Span Light

Red/Green Navigation Traffic Light

0 25 50

Feet

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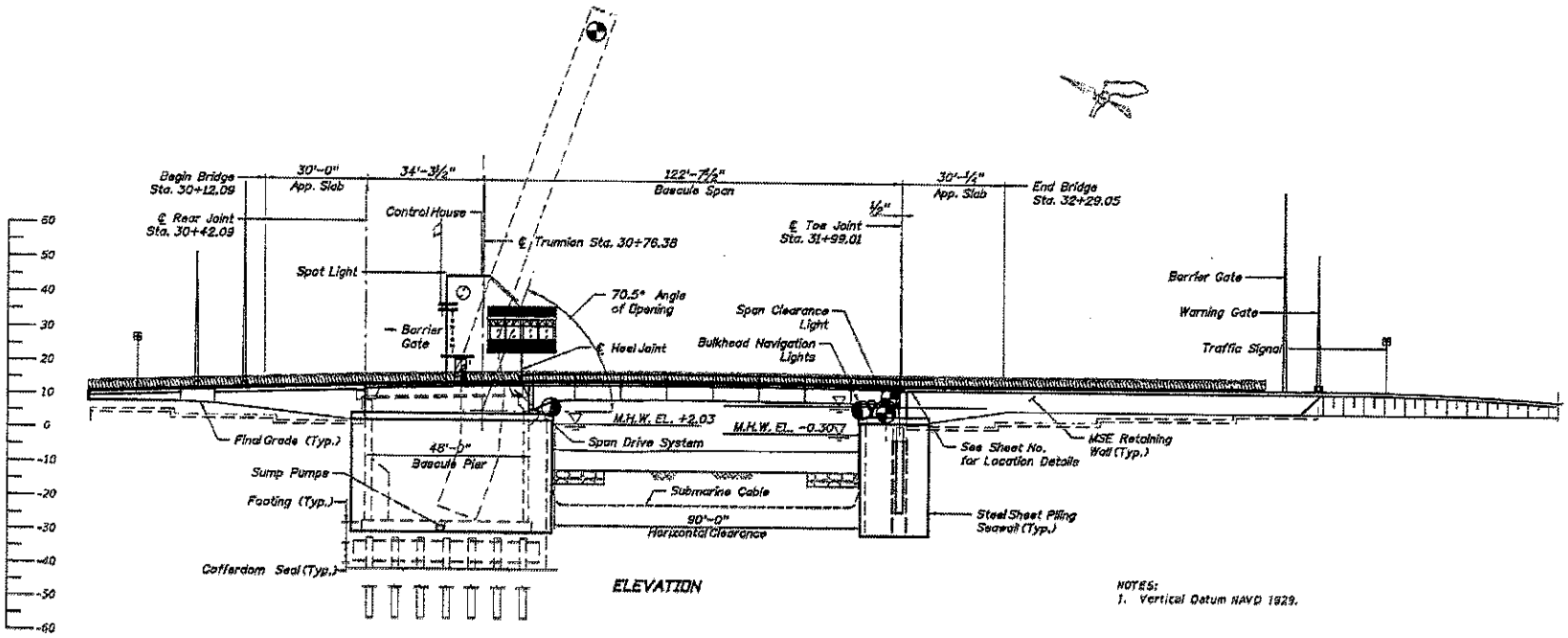
NW SOUTH RIVER DRIVE/DELAWARE PARKWAY BRIDGE
TAMIAMI CANAL
MIAMI, MIAMI-DADE COUNTY, FLORIDA

NAVIGATION LIGHTING PLAN

SHEET NO. 1 OF 2



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Clearance Gauge Light

180° Red Pier Light

180° Red/Green Span Light

Red/Green Navigation Traffic Light

0 25 50
Feet

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NAVIGATION LIGHTING ELEVATION			SHEET NO. 2 OF 2