

EXHIBIT I

LIVING SHORELINE DEMONSTRATION PROJECT (PO-0148)

An application for \$3.2 million has been submitted to the RESTORE Council for the design phase of the proposed Biloxi Marsh Living Shoreline Project (area indicated by the green dotted line). Award of the grant is anticipated in November 2016.

CURRENT PROJECT AREAS

PROJECT PURPOSE:

- Provide shoreline protection by using living breakwater products to attenuate wave energy that reaches the shore.
- Secondary goals are to stimulate oyster growth and thereby increase biodiversity in the immediate area, allow sediment accretion between the shore and the reef, and provide CPRA with data on the performance of various configurations of the selected products that can be used to design more effective products in the future.
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PROJECT FEATURES:

- Protect up to 3.1 linear miles of shoreline extending from Eloi Point northeast toward Bayou la Loutre. Ancillary projects in Plaquemines and Jefferson Parish.

PROJECT FUNDING: \$12 million

- Funding Source: State CIAP (Coastal Impact Assistance Program) grant, a federal program administered by the U.S. Fish & Wildlife Service.

STATUS: Construction began Dec. 2015. Construction completion expected by Nov. 2016 .

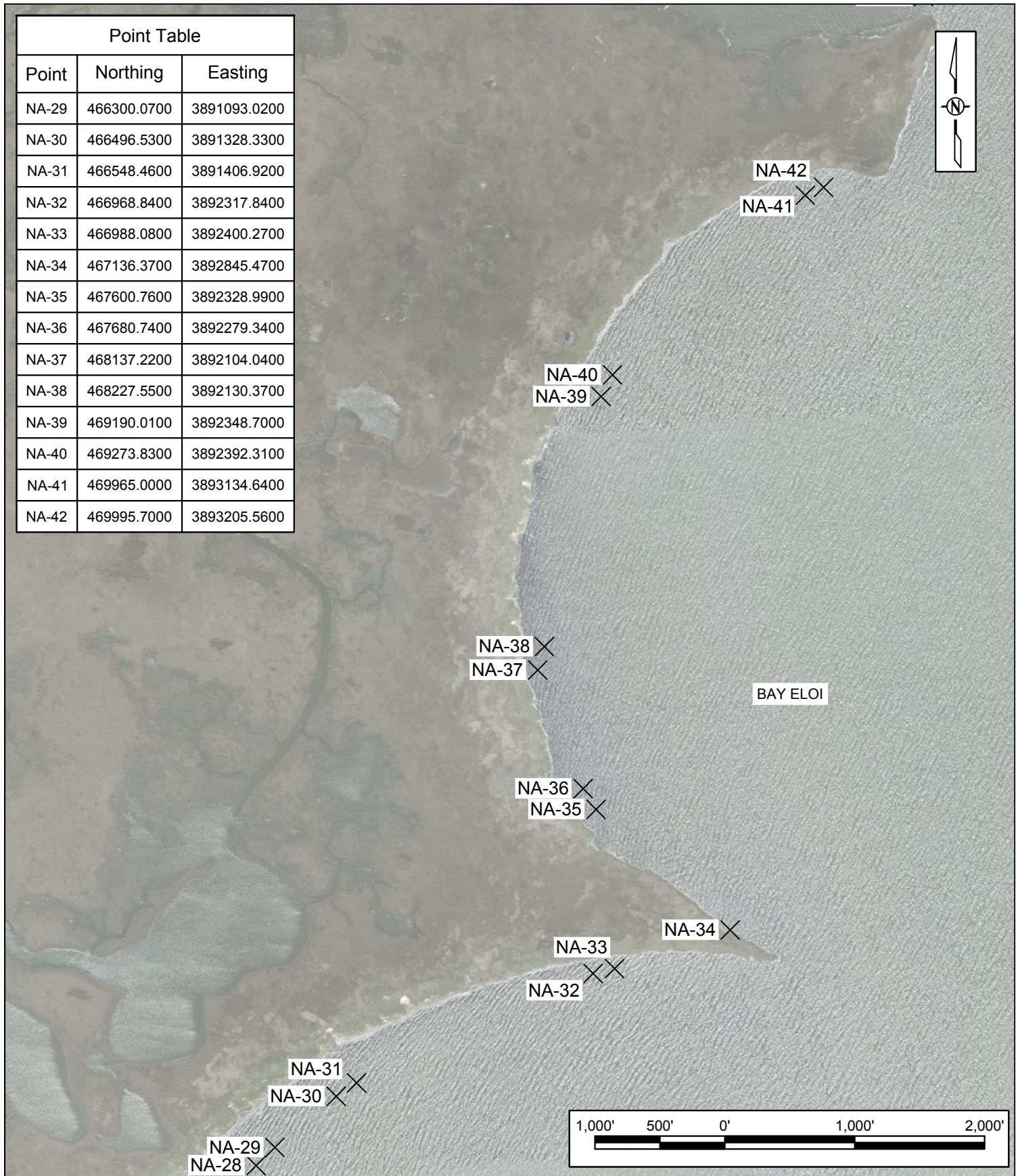


Point Table		
Point	Northing	Easting
NA-1	462139.7900	3888841.5400
NA-2	462257.8100	3889145.9400
NA-3	462317.5800	3889197.3000
NA-4	462503.0300	3889234.8900
NA-5	462591.7600	3889257.0700
NA-6	462793.8500	3889403.3700
NA-7	462836.4700	3889432.6900
NA-8	463019.7200	3889648.3200
NA-9	463060.5200	3889739.5800
NA-10	463138.1400	3890038.9000
NA-11	463087.2300	3889609.6200
NA-12	463288.4800	3890305.5300
NA-13	463390.6300	3890258.9500
NA-14	463671.9500	3890196.1000
NA-15	463766.6100	3890222.5200
NA-16	464086.2700	3890223.9200
NA-17	464172.0700	3890211.6800
NA-18	464476.6200	3890187.6800
NA-19	464567.7900	3890186.0000
NA-20	464860.3900	3890232.7500
NA-21	464953.6500	3890264.0600
NA-22	465238.0500	3890380.4500
NA-23	465321.2600	3890419.1400
NA-24	465590.7500	3890545.7000
NA-25	465678.6400	3890595.1800
NA-26	465929.5400	3890761.5100
NA-27	466005.3700	3890820.0400
NA-28	466229.9600	3891020.5000
NA-29	466300.0700	3891093.0200



APPLICATION BY: N/A	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	LIVING SHORELINE DEMONSTRATION PROJECT	NAVIGATIONAL AID LOCATIONS
		STATE PROJECT NUMBER: PO-0148	DATE: 03/06/17
DRAWN BY: B.J.H.	DESIGNED BY: N/A	APPROVED BY: N/A	FEDERAL PROJECT NUMBER: PO-0148
		SHEET 1 OF 3	

Point Table		
Point	Northing	Easting
NA-29	466300.0700	3891093.0200
NA-30	466496.5300	3891328.3300
NA-31	466548.4600	3891406.9200
NA-32	466968.8400	3892317.8400
NA-33	466988.0800	3892400.2700
NA-34	467136.3700	3892845.4700
NA-35	467600.7600	3892328.9900
NA-36	467680.7400	3892279.3400
NA-37	468137.2200	3892104.0400
NA-38	468227.5500	3892130.3700
NA-39	469190.0100	3892348.7000
NA-40	469273.8300	3892392.3100
NA-41	469965.0000	3893134.6400
NA-42	469995.7000	3893205.5600



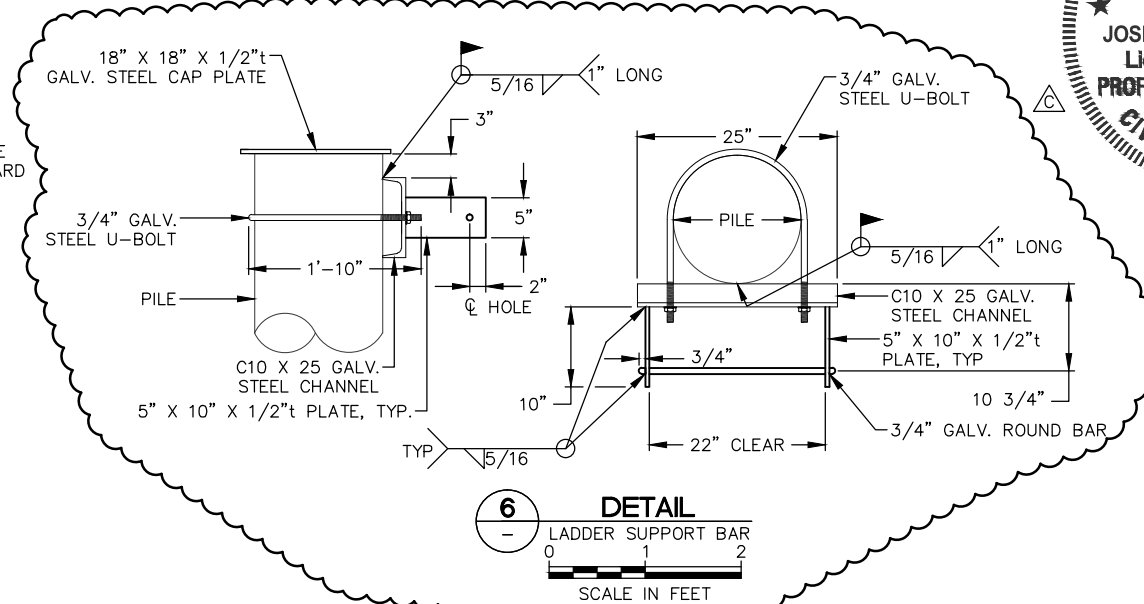
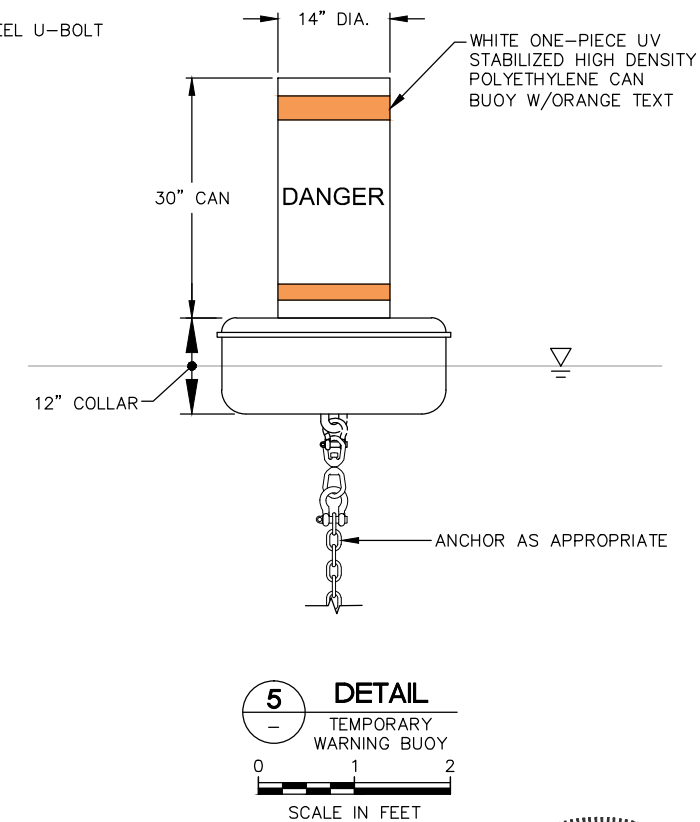
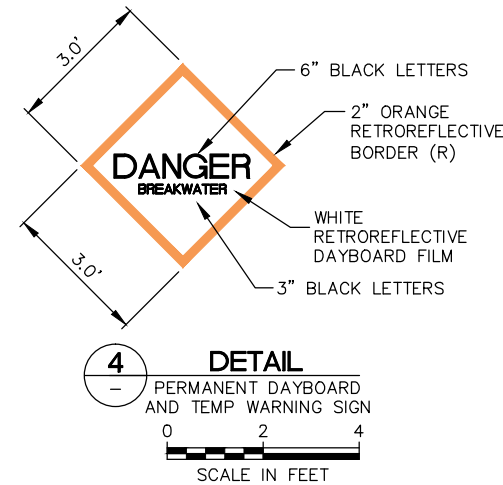
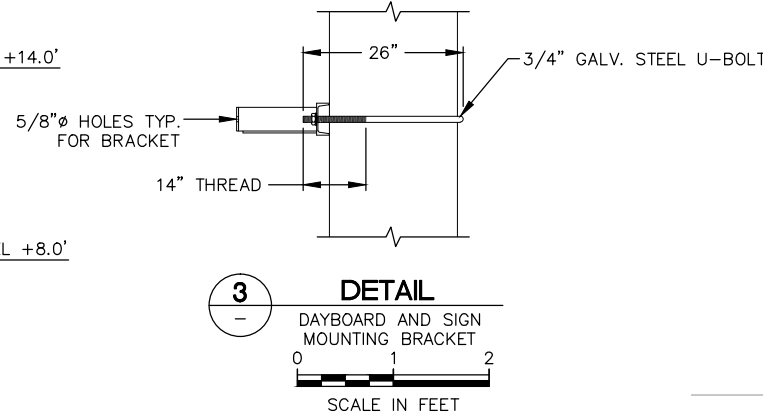
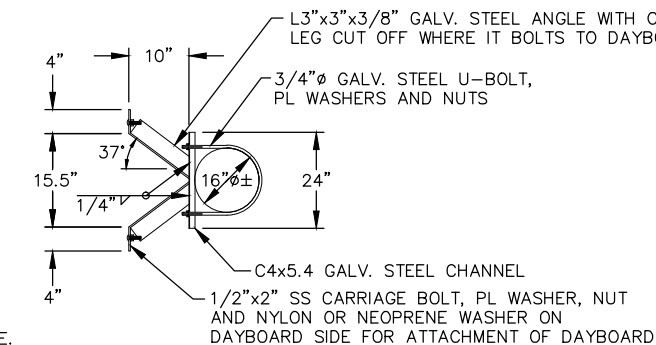
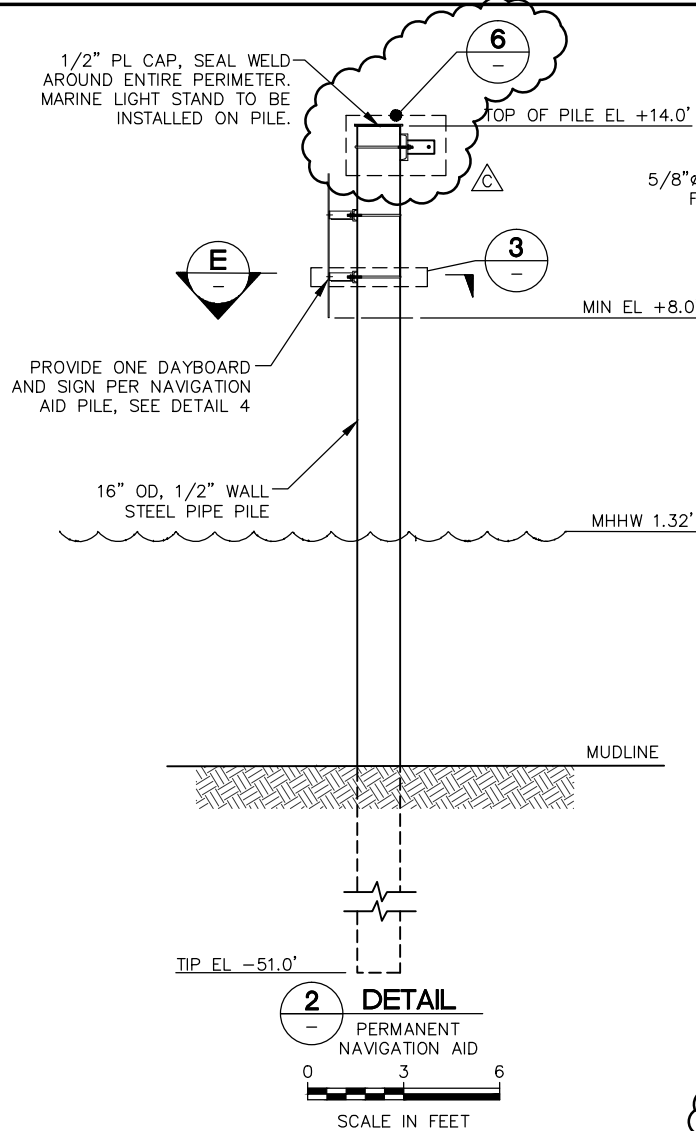
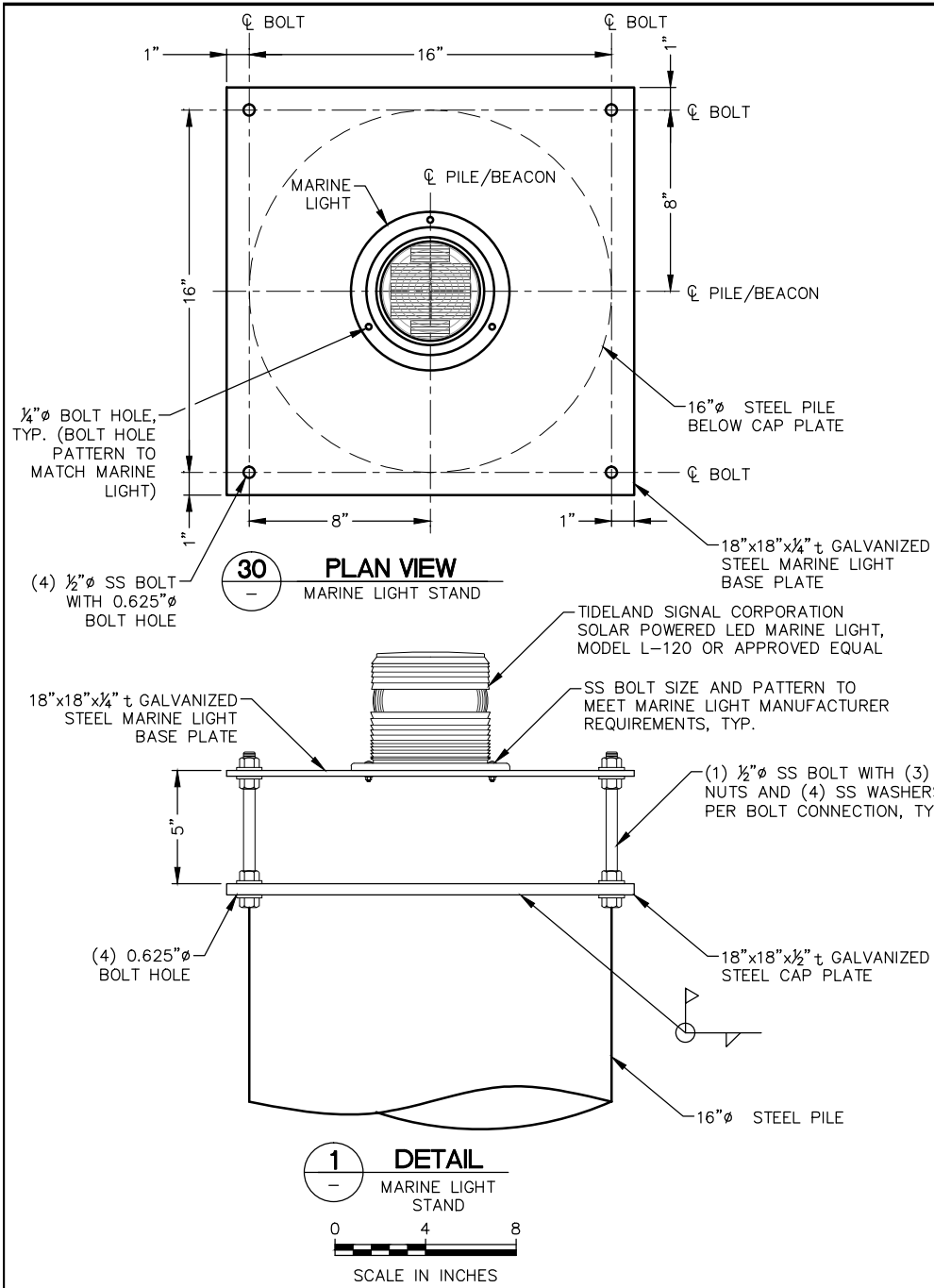
APPLICATION BY: N/A	COASTAL PROTECTION AND RESTORATION AUTHORITY 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	LIVING SHORELINE DEMONSTRATION PROJECT	NAVIGATIONAL AID LOCATIONS
		STATE PROJECT NUMBER: PO-0148	DATE: 03/06/17
DRAWN BY: B.J.H.	DESIGNED BY: N/A	APPROVED BY: N/A	FEDERAL PROJECT NUMBER: PO-0148
			SHEET 2 OF 3

Point Table		
Point	Northing	Easting
NA-43	470730.4800	3893589.8000
NA-44	470934.0500	3893563.3100
NA-45	471648.9700	3893174.6600
NA-46	471700.4600	3893187.5200
NA-47	472497.6200	3893737.6000
NA-48	472556.2000	3893792.9600
NA-49	473184.9700	3893824.4800
NA-50	473657.6200	3894478.8600
NA-51	474037.4800	3895169.6900
NA-52	474085.0400	3895260.1000
NA-53	474542.3800	3896193.0700



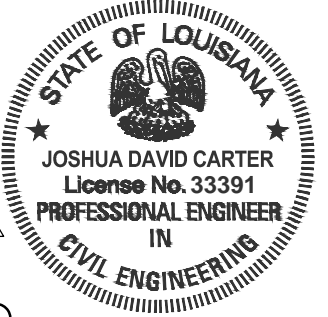
Image courtesy of USGS

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		SHEET 3 OF 3	



NOTES

1. NAVIGATION AID AND MOUNT ASSEMBLY SHALL BE FABRICATED FROM A36 STEEL, UNLESS NOTED OTHERWISE.
2. HOT DIP GALVANIZE STEEL COMPONENTS AFTER FABRICATION IN ACCORDANCE WITH ASTM A123.
3. ALL HARDWARE (NUTS, BOLT AND WASHERS) FOR NAVIGATION AIDS SHALL BE STAINLESS STEEL TYPE 316. ALL NUTS SHALL BE LOCK NUTS WITH NYLON INSERTS.
4. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1 (STRUCTURAL WELDING CODE - STEEL).
5. DAYBOARD AND SIGN SHALL CONFORM TO REGULATIONS OF USCG COMMANDMENT DIRECTIVES MANUALS #16500.3 (SERIES), "AIDS TO NAVIGATION MANUAL - TECHNICAL" AND #10360-3 (SERIES) "COATINGS AND COLOR MANUAL".
6. PROPER INSULATION SHALL BE PROVIDED BETWEEN DIFFERENT METAL TYPES TO PREVENT GALVANIC CORROSION.
7. DAYBOARDS AND SIGN TO BE INSTALLED FACING SEAWARD IN THE SHORELINE NORMAL DIRECTION.
8. ALL STEEL TO BE PREPARED AND HOT DIP GALVANIZED PER SPECIFICATIONS. FABRICATION IS TO BE PERFORMED IN THE SHOP PRIOR TO FIELD ASSEMBLY.
9. FIELD WELD TO BE PREPARED AND RE-COATED.



AS-BUILT

REV.	DATE	DESCRIPTION	BY
2/23/17		REVISED AS-BUILT	JC
7/30/16		CHANGE ORDER 03	JC



SUBMITTED UNDER THE AUTHORITY OF JOSH CARTER, P.E. 33391

OASTAL ROTATION AN RESTORATION AUTHORITY

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAN BOTT MORRISON

DESIGNED BY CARTER

LIING SORELINE
 DEMONSTRATION PROJECT

STATE PROJECT NUMBER 0048

GENERAL PROJECT NUMBER NA

APPROVED BY BERMUDE

NAVIGATION AID DETAILS

DATE 2/23/17

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