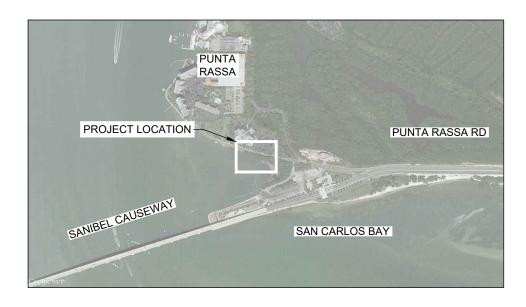
# PUNTA RASSA BOAT RAMP SCOUR PROTECTION REPLACEMENT

## PREPARED FOR: LEE COUNTY



### **LOCATION MAP**

#### **INDEX**

- **COVER SHEET**
- **EXISTING CONDITIONS PLAN**
- PROPOSED SCOUR PROTECTION PLANS
- PROPOSED SCOUR PROTECTION DETAILS
- PROPOSED SECTION A-A'

#### LEGEND:

■ ▲ = EXISTING CHANNEL MARKERS

--6 = ELEVATION IN FEET BELOW NAVD

#### **NOTES**

- 1. BATHYMETRIC DATA COLLECTED BY COASTAL ENGINEERING CONSULTANTS, INC., ON MAY 15, 2025.
- 2. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
- 3. ELEVATIONS SHOWN HEREON ARE IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988). REFERENCED BENCHMARK: 872 5391 J TIDAL PID# DR7006 (+2.73 FT) AND Q242 PID# AG1728 (+5.93 FT).
- 4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88
- 5. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 1 JAN 02.
- 6. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
- 7. AERIAL PHOTOGRAPHY PROVIDED BY LEE COUNTY, DATED 2025.

#### PUBLISHED TIDAL INFORMATION

TIDAL DATUMS AT PUNTA RASSA, SAN CARLOS BAY, LEE COUNTY, FL ARE BASED ON FLORIDA 872 5391

MEXICO (872 5110)

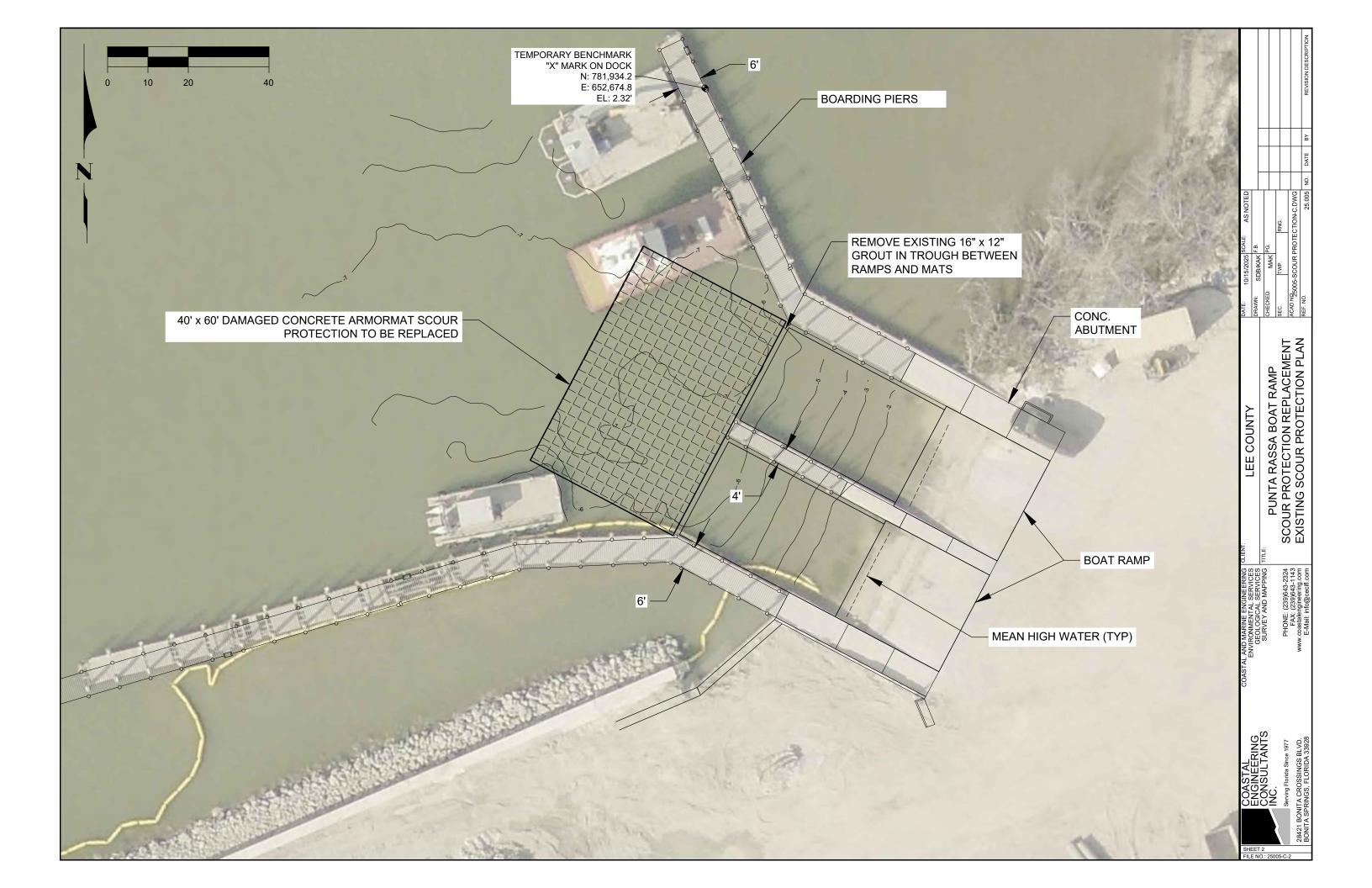
TIME PERIOD = JUNE 1977 - MAY 1978 **TIDAL EPOCH** = 1983 - 2001 CONTROL TIDE STATION = NAPLES, GULF OF

ELEVATIONS OF TIDAL DATUMS ARE REFERENCED IN NAVD 1988.

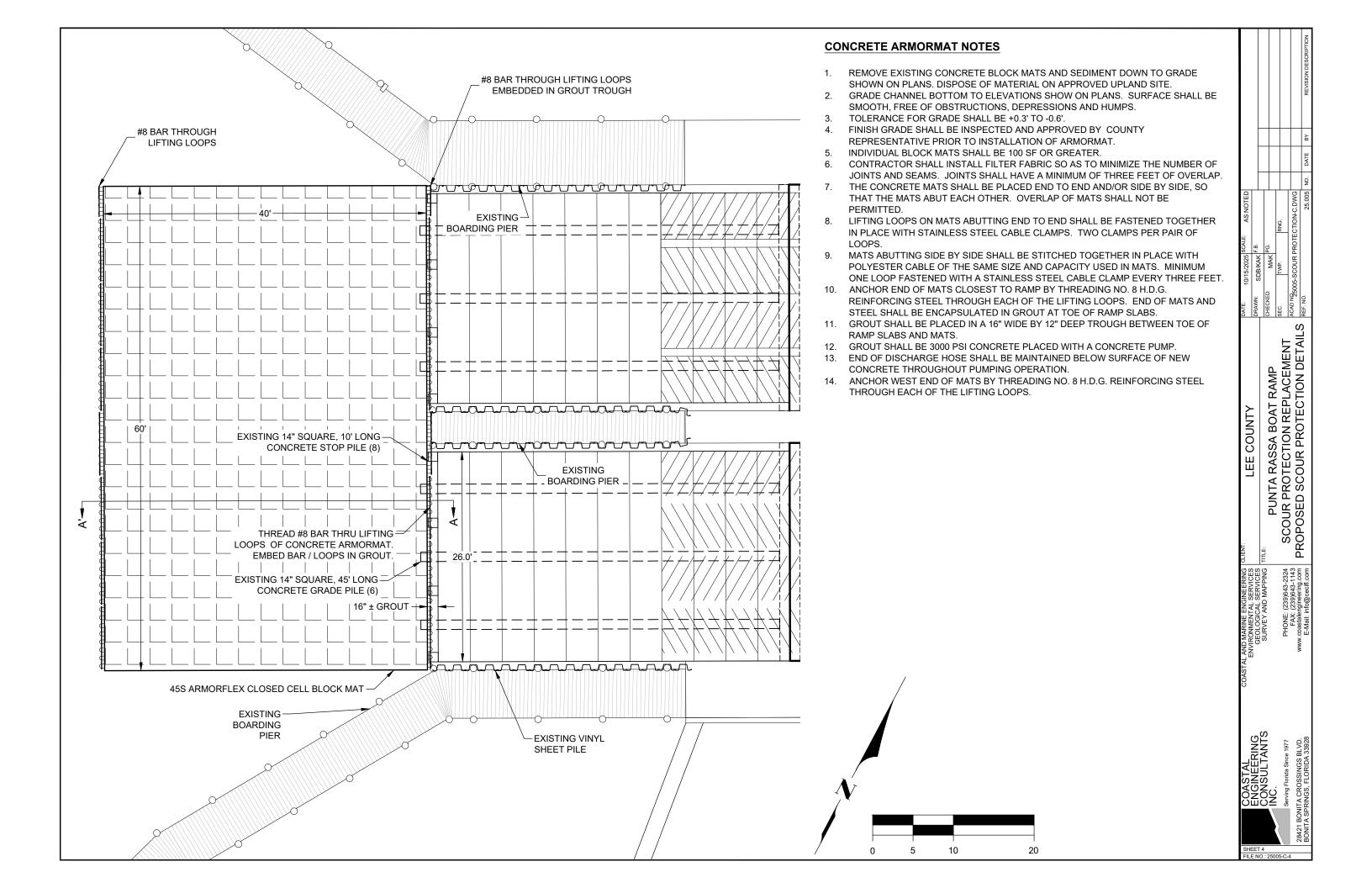
MEAN HIGHER HIGH WATER (MHHW) = +0.38 FT NAVD MEAN HIGH WATER (MHW) = +0.14 FT NAVD MEAN LOW WATER (MLW) = -1.40 FT NAVD MEAN LOWER LOW WATER (MLLW) = -1.88 FT NAVD

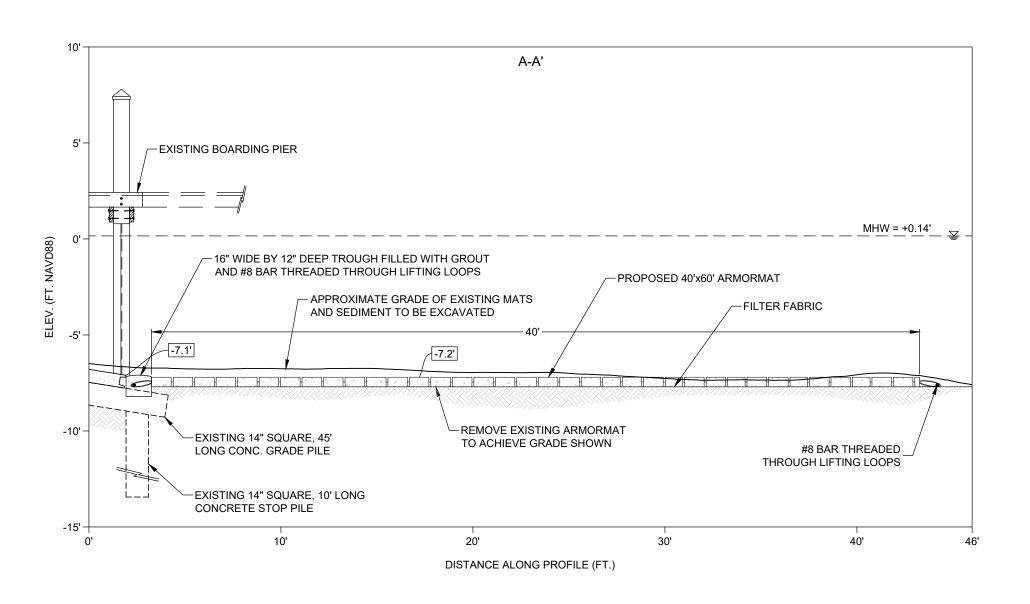
	LEE COUNTY PUNTA RASSA BOAT RAMP	DATE: DRAWN: CHECKED:	DATE:         10/15/2026         SCALE:         AS NOTED           DRAWN:         SDB/KAK         F.B.           CHECKED:         MAK         PG.           FORCY         HALLOW         PG.	SCALE: A	AS NOTED		
		ACAD N950	005-SCOUR P	ROTECT	ION-C.DWG		
ACAD Name of the control of the cont							

SC









NOTE: PERMITTED DREDGE DEPTH IS -7.2' NAVD88.

COASTAL
ENGINEERING
CONSULTANTS
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INC.
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BONITA SPRINGS, FLORIDA 38928

LEE COUNTY

SCOUR PROTECTION REPLACEMENT

PROPOSED SCOUR PROTECTION

SECTION A-A'

SCALE: H: 1" = 5' V: 1" = 5'