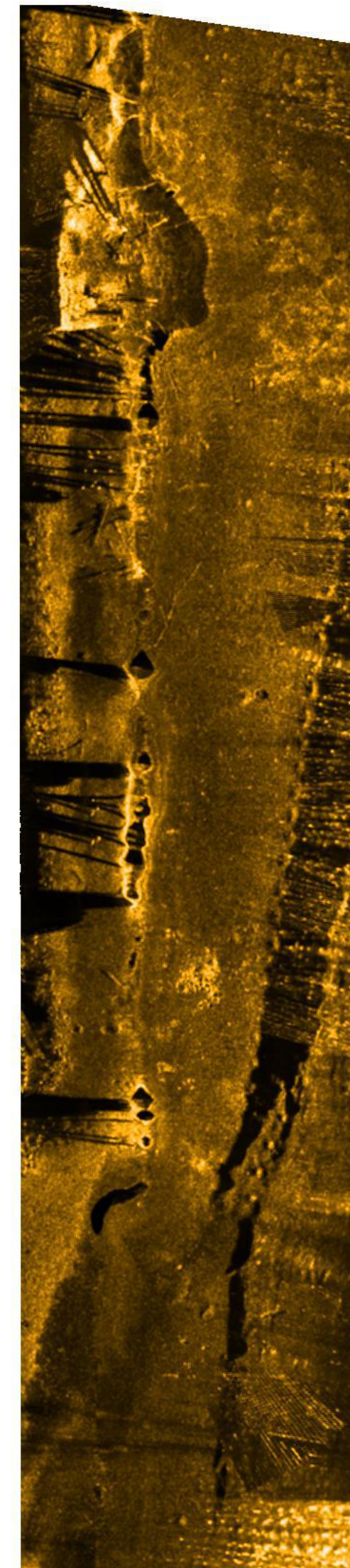


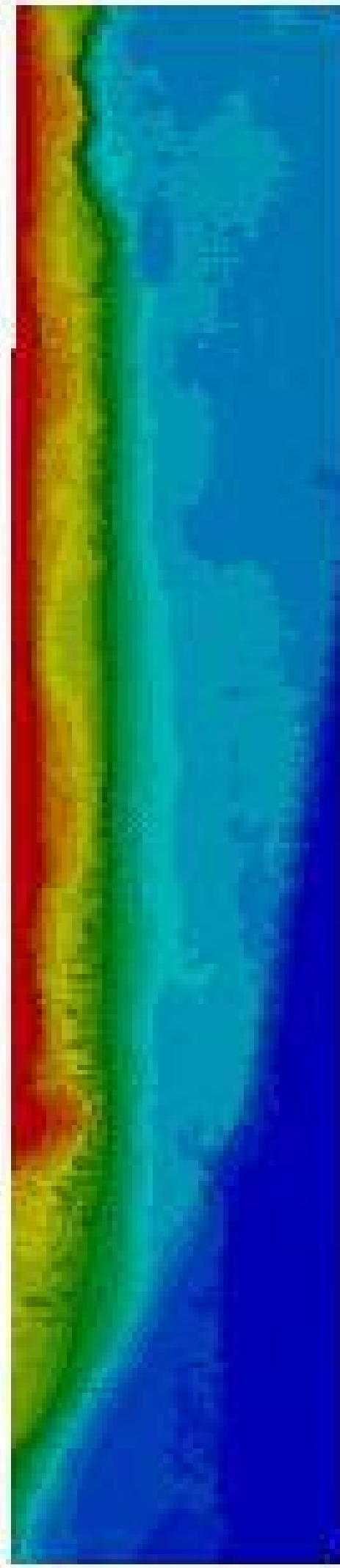
### AERIAL IMAGERY

SCALE 1" = 800'



### SIDESCAN MOSAIC

NOT TO SCALE



### 3D MODEL

NOT TO SCALE



## HYDROGRAPHIC (BATHYMETRIC) SURVEY FOR ARDENT MILLS LOCATED AT MILLS PUERTO RICO BERTH, SAN JUAN HARBOR MUNICIPALITY OF SAN JUAN, PUERTO RICO.

### INDEX OF DRAWINGS:

SHEET NO.	DESCRIPTION
VF-1	TITLE SHEET
VF-2	HYDROGRAPHIC (BATHYMETRY) SURVEY

### MAIN LEGEND

- + -35.4 SPOT ELEVATIONS (DEPTH BELOW MLLW)
- ~ CONTOUR INTERVAL EVERY 1.0 FOOT
- ~ CONTOUR INTERVAL EVERY 5 FEET
- ▨ EXISTING STRUCTURES
- ⊙ BUOY (AID TO NAVIGATION)
- T-1 TARGETS (SEE PROJECT REPORT)
- MOORING
- △ STA-1 CONTROL STATION

### GENERAL NOTES :

1. ALL DISTANCES ARE EXPRESSED IN US SURVEY FEET, UNLESS OTHERWISE NOTED.
2. FIELDWORK PERFORMED ON AUGUST 5, 2025.
3. HORIZONTAL CONTROLS ARE REFERRED TO NAD 83 (2011) EPOCH 2010.00.
4. VERTICAL DATUM IS REFERRED TO MEAN LOWER LOW WATER.
5. PLEASE REFER TO SURVEY JEB-5407.
6. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULT OF THE SURVEY MADE ON THE DATE INDICATED AND CAN BE ONLY CONSIDERED AS AN INDICATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
7. AERIAL IMAGERY, SHOWN FOR REFERENCE PURPOSES, ONLY INFORMATION COLLECTED ON GROUND SHALL BE USED FOR ENGINEERING DESIGN.
8. EQUIPMENT UTILIZED FOR THIS SURVEY:
  - A) VESSEL: SURVEYOR 5
  - B) MULTIBEAM SOUNDER: PING 3DSS-IDX-PRO SONAR.
  - C) POSITIONING: SEPTENTRIO POLARIS MC.V2 & TRIMBLE R980 GNSS RECEIVERS.
  - D) IMU: SBG EQUINOX MOTION SENSOR.
  - E) SOFTWARE: HYPACK & CARLSON SURVEY.
9. THE DETAILED FINDINGS OF SIDESCAN DATA ARE INCLUDED IN THE PROJECT REPORT "5407-MOLINOS DE PR\_HYD\_SURVREP.PDF". HEREBY MADE PART OF THESE DRAWINGS AND NOT VALID IF SEPARATED FROM EACH OTHER.
10. TIDAL REDUCTIONS WERE REFERENCED FROM TIDAL BENCHMARK DESIGNATED "9755371" WHICH WAS PROVIDED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA).
11. ALL ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MEAN LOWER LOW WATER (MLLW) TIDAL DATUM RELATIVE TO THE 1983-2001 TIDAL EPOCH.
12. CONTOURS SHOWN HEREON WERE GENERATED AT 1 FOOT INTERVALS, DERIVED FROM A 10X10 MATRIX OF THE PROCESSED SWEEP DATA.

### SURVEY CONTROLS

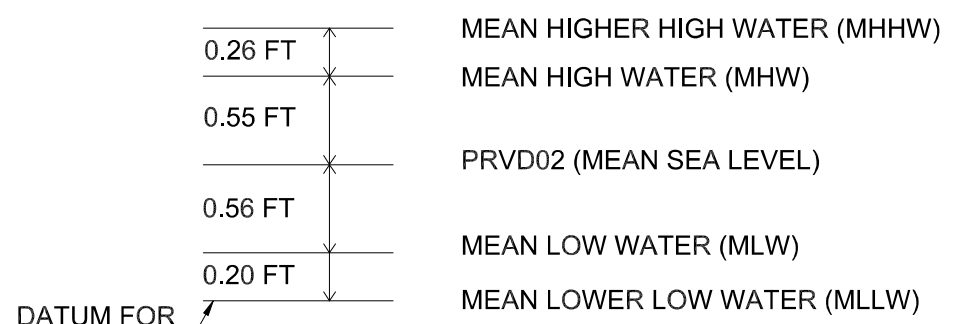
STA	COORDINATES		ELEVATION	DESCRIPTION
	NORTHING	EASTING		
3702-3	875,118.917	768,063.124	4.202	PK NAIL & WASHER
3702-4	875,138.043	768,079.110	9.315	PK NAIL & WASHER

### TARGETS TABLE

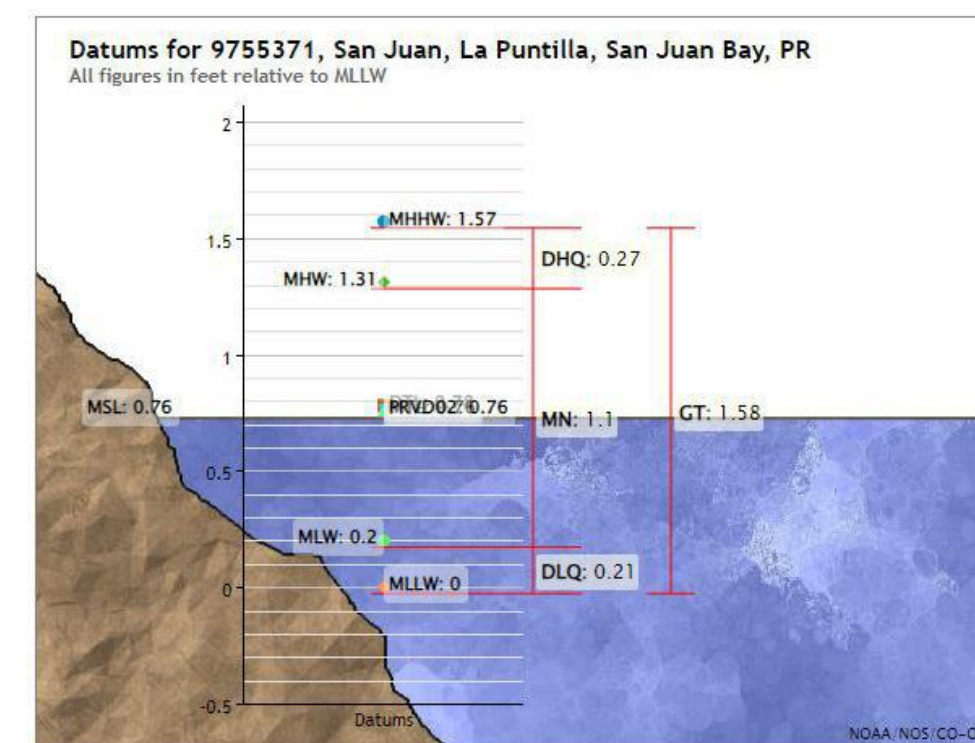
TARGET	COORDINATES				DESCRIPTION
	NORTHING	EASTING	LATITUDE	LONGITUDE	
T-1	873415.4	768234.4	N18°25'52.7872"	W66°06'36.0000"	DEBRIS
T-2	873548.9	768241.0	N18°25'54.1105"	W66°06'35.9310"	UNKNOWN OBJECT
T-3	873805.1	768241.2	N18°25'56.6504"	W66°06'54.4465"	SIDE SCAN ANOMALY
T-4	874016.7	768288.2	N18°25'58.7473"	W66°06'35.4322"	TIRE
T-5	874089.3	768213.2	N18°25'59.4683"	W66°06'36.2099"	UNKNOWN OBJECT
T-6	874267.2	768213.9	N18°26'01.2319"	W66°06'36.1993"	UNKNOWN OBJECT
T-7	874647.4	768210.2	N18°26'05.0000"	W66°06'36.2308"	UNKNOWN OBJECT
T-8	874149.1	768158.2	N18°26'00.0621"	W66°06'36.7800"	UNKNOWN OBJECT
T-9	874018.0	768272.1	N18°25'58.7604"	W66°06'35.5994"	UNKNOWN OBJECT

### PROJECT DATUMS DIAGRAM

- A. DATUM: MEAN LOWER LOW WATER (MLLW).
- B. UNITS: US SURVEY FOOT
- C. TIDAL BENCHMARK 975 5371
- D. GRAPHIC: DIFFERENCE BETWEEN MEAN SEA LEVEL & MEAN LOWER LOW WATER.

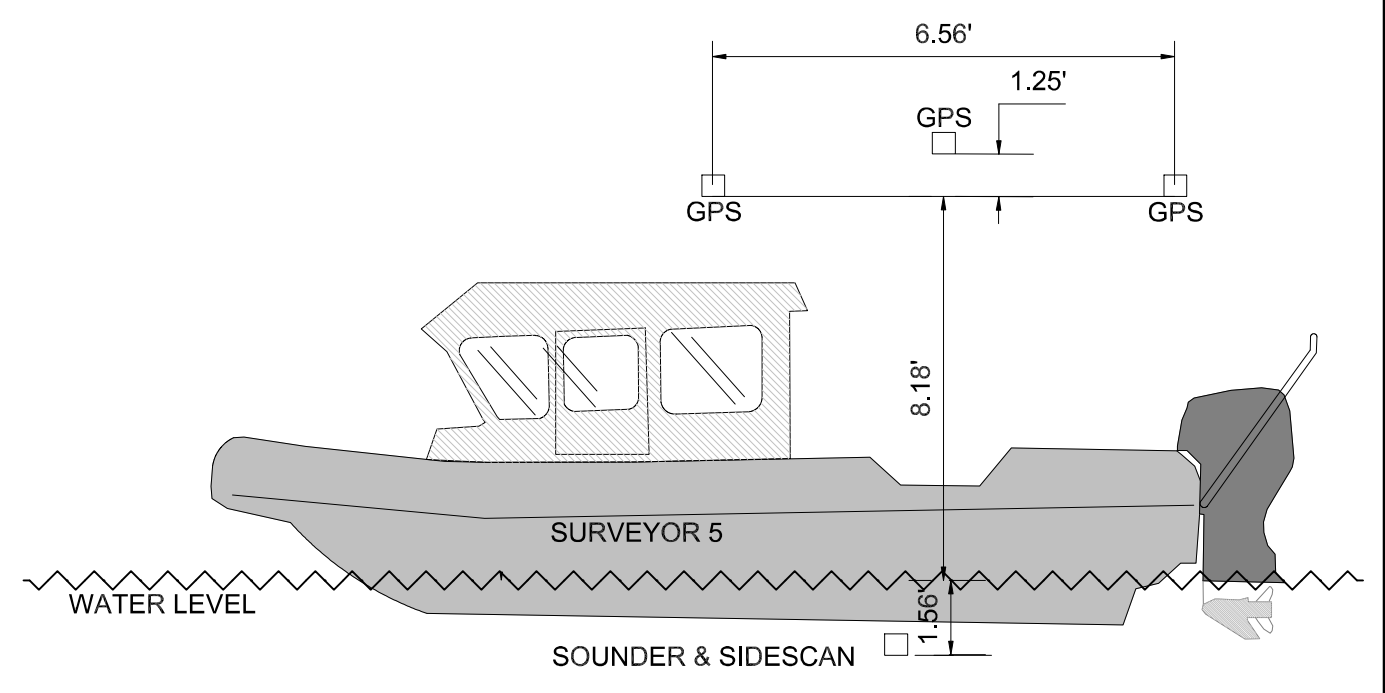


E. LEGEND: -33.45 DEPTH BELOW MLLW.



### NOAA TIDES DATUM DIAGRAM

NOT TO SCALE



### SURVEYOR 5 VESSEL DIAGRAM

NOT TO SCALE

SYMBOL	REVISION	BY:	DATE:

**JAVIER E. BIDOT ASSOCIATES, PSC**  
Land Surveyors & Consultants  
16 Cordova St. | Terrillada | Caguas, PR 00727  
Phone: (787)746-5486 Fax: (787)746-4215  
www.jebpr.com



**HYDROGRAPHIC (BATHYMETRIC) SURVEY  
FOR ARDENT MILLS  
LOCATED AT MILLS PUERTO RICO BERTH, SAN JUAN HARBOR  
MUNICIPALITY OF SAN JUAN, PUERTO RICO**

LAST DAY OF FIELD SURVEY: AUG. 05, 2025  
DRAWN BY: H.T.  
CHECKED BY: C. LEBRON  
SCALE: AS SHOWN

CERTIFY CORRECT  
I, CARLOS M. LEBRON CABRERA, HEREBY CERTIFY THAT THIS PLAN IS AN EXACT AND TRUE GRAPHIC REPRESENTATION OF THE EXISTING CONDITIONS.

CARLOS M. LEBRON CABRERA  
LAND SURVEYOR LIC. NO. 23744

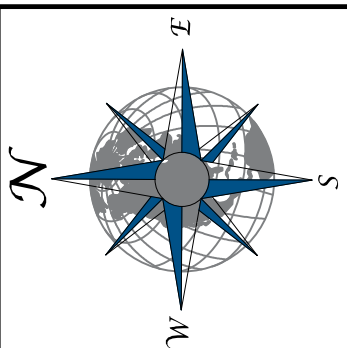
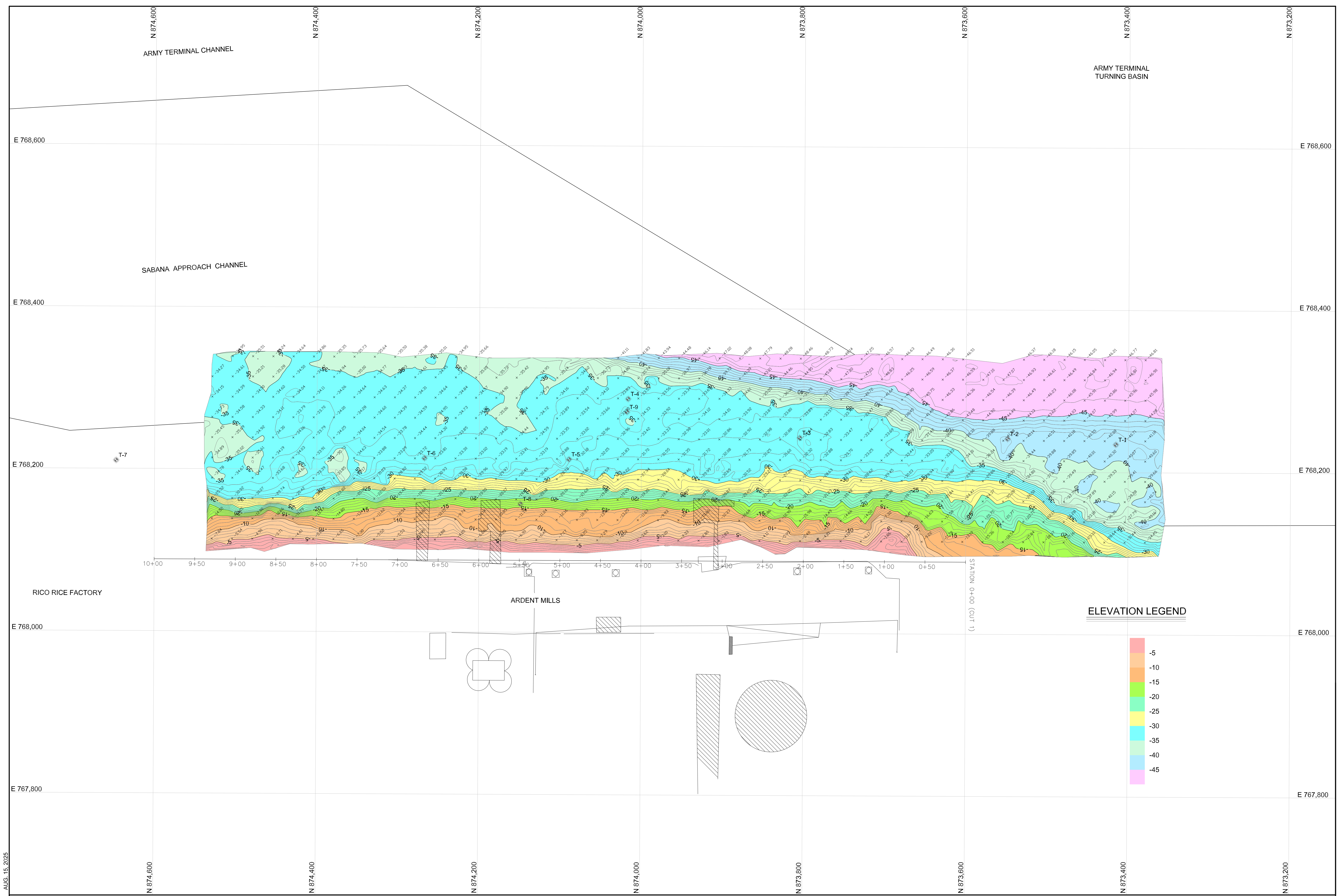
DRAWING TITLE:  
TITLE SHEET

DATE	DWG. NO.	SHEET NO.
AUG. 15, 2025	VF-1	1
PROJECT: JEB-5407		2

PAPER SIZE: 24x36

PLOT DATE: AUG. 15, 2025

PLOT SCALE: 1:1  
FILE NAME: 5407-HYDRO



BY:	DATE:

**JAVIER E. BIDOT ASSOCIATES, PSC**  
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**HYDROGRAPHIC (BATHYMETRIC) SURVEY**  
 FOR ARDENT MILLS  
 LOCATED AT MILLS PUERTO RICO BERTH, SAN JUAN HARBOR  
 MUNICIPALITY OF SAN JUAN, PUERTO RICO

LAST DAY OF FIELD SURVEY	AUG. 05, 2025
DRAWN BY:	H.T.
CHECKED BY:	C. LEBRON
SCALE:	1" = 50'

CERTIFY CORRECT  
 I, CARLOS M. LEBRON CABRERA  
 HEREBY CERTIFY THAT THIS PLAN IS  
 AN EXACT AND TRUE GRAPHIC  
 REPRESENTATION OF THE EXISTING  
 CONDITIONS

CARLOS M. LEBRON CABRERA  
 LAND SURVEYOR LIC. NO. 23744

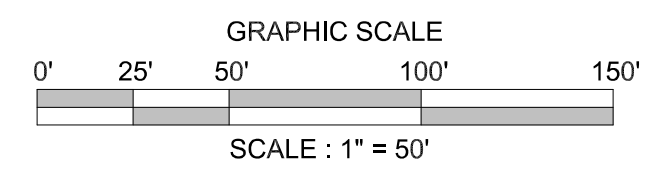
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HYDROGRAPHIC (BATHYMETRIC) SURVEY	
DATE:	DWG. NO.:
AUG. 15, 2025	VF-2
PROJECT:	SHEET NO.:
JEB-5407	2
PAPER SIZE: 24x36	

PLOT DATE: AUG. 15, 2025

# HYDROGRAPHIC (BATHYMETRIC) SURVEY

SCALE 1" = 50'

NOTE: FOR LEGEND AND GENERAL NOTES, PLEASE SEE DRAWING NO. VF-1



FILE NAME: 5407-HYDRO