

MELBOURNE HARBOR BREVARD COUNTY, FLORIDA PROJECT CONDITION SURVEY FY16 8-FOOT PROJECT

SURVEY NOTES

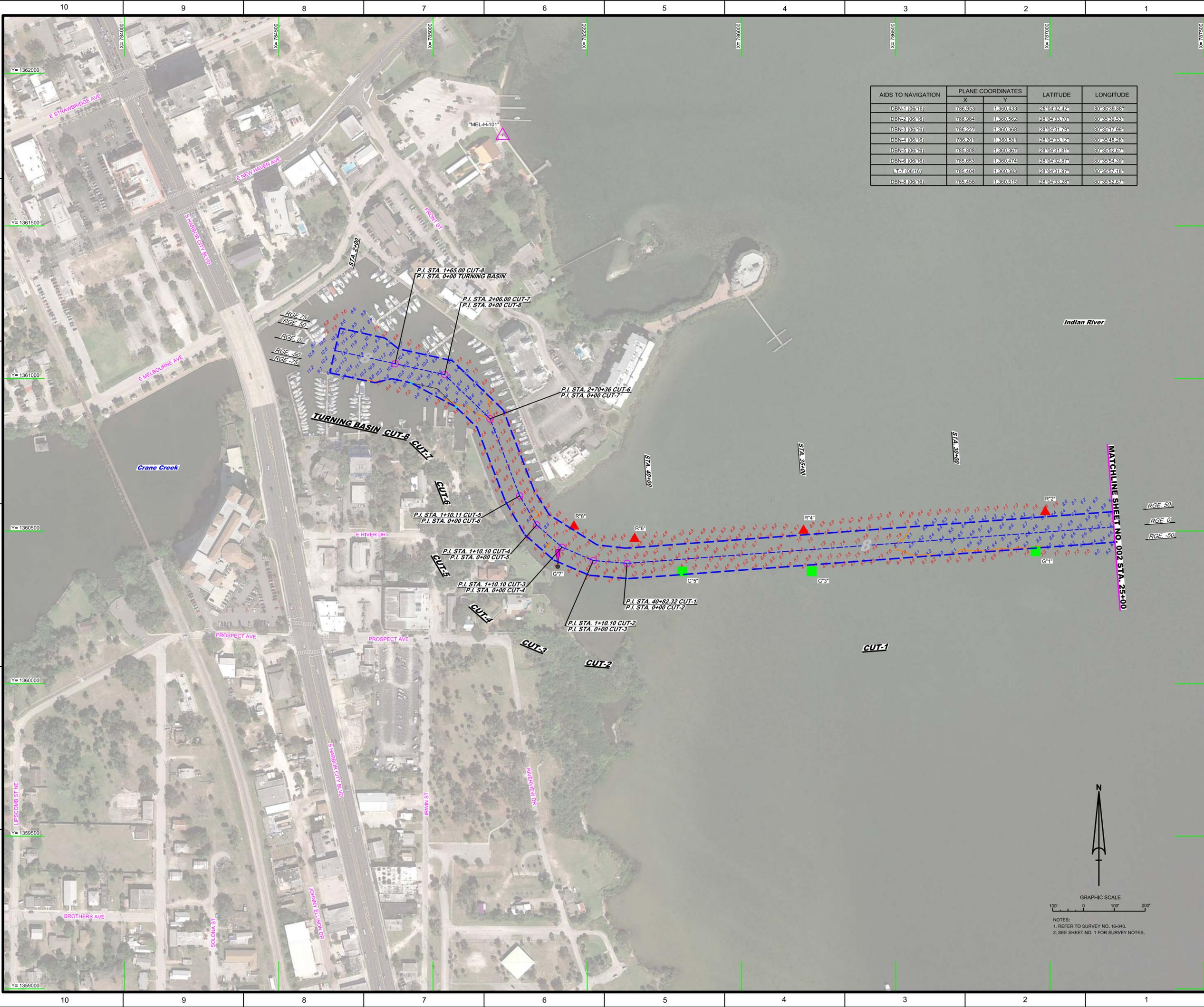
- REFER TO SURVEY NO. 16-040.
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KT) MODEL. KTD FILE NAME IS: "VOLUSIA-BREVARD(W-O_CANAVERALHBR_2016 05 06.KTD".
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:
REFERENCE BASE LOCATED AT "MEL-H-101" (PID: BBBX94)
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

NGS BENCHMARK FOR CUT-1 THRU TURNING BASIN (PID: DM2928)
VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINED MULTI-BEAM AND SIDESCAN SONAR. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- | VESSEL | DATE OF SURVEY | CUT |
|--------|----------------|------------------|
| SB-48 | 08 JUN 2016 | MELBOURNE HARBOR |
- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
- SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 13.

LEGEND	
	MONUMENT
	LIGHTED BEACON
	GREEN DAY BEACON
	RED DAY BEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

<p>DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA</p>	<p>PROJECT CONDITION SURVEY FY16 8-FOOT PROJECT INDEX, LOCATION AND VICINITY MAP</p>
<p>Scale: AS SHOWN</p>	<p>Drawing no. 1</p>
<p>SHEET 01 OF 03</p>	



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (06/16)	785.953	11360.433	28°04'32.24"	80°35'39.88"
DBN-2 (05/16)	785.994	11360.592	28°04'33.70"	80°35'39.53"
DBN-3 (06/16)	786.227	11360.368	28°04'31.79"	80°35'17.99"
DBN-4 (06/16)	786.201	11360.501	28°04'33.12"	80°35'48.26"
DBN-5 (05/16)	785.808	11360.367	28°04'31.81"	80°35'52.67"
DBN-6 (06/16)	785.653	11360.474	28°04'32.87"	80°35'54.39"
L-7 (06/16)	785.404	11360.383	28°04'31.97"	80°35'57.18"
DBN-8 (05/16)	785.456	11360.515	28°04'33.28"	80°35'52.67"

US Army Corps of Engineers

 Jacksonville District

 SAFETY ON THIS JOB

 DEPENDS ON YOU

DEPARTMENT OF THE ARMY

 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

 JACKSONVILLE, FLORIDA

Call by: GHR

 Designed by: WRM

 Drawn by: WRM

 File No: W83255-000-0000

 Date: JUN 2016

PROJECT CONDITION SURVEY FY16

 8-FOOT PROJECT

 PLAN

 STA. 25+00 CUT-1 THRU STA. 2+00 TURNING BASIN

Scale: AS SHOWN

 Drawing no.

3

 SHEET 03 OF 03

