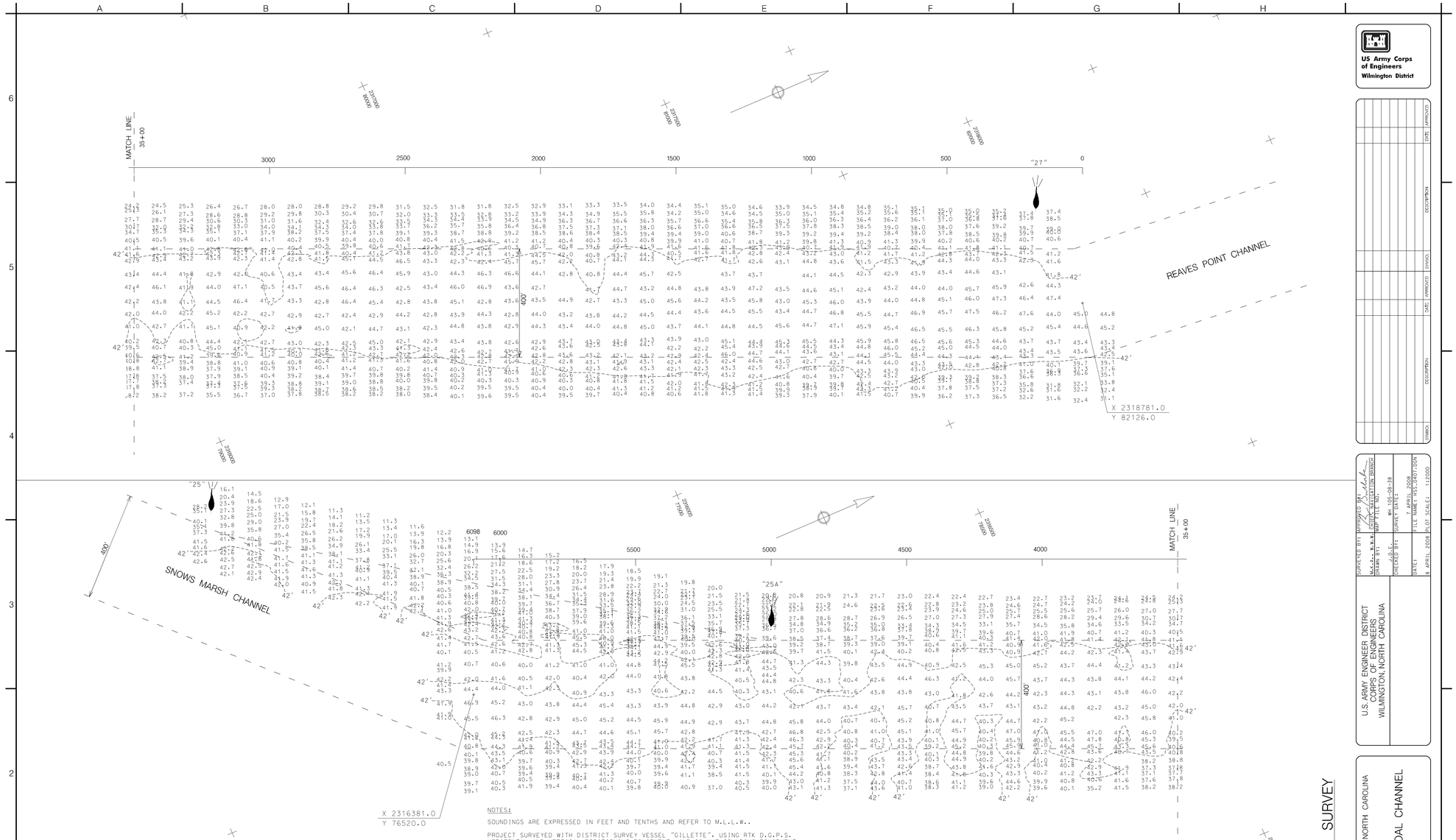


NOTES:

SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO M.L.L.W..

PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "GILLETTE". USING RTK D.G.P.S. HORIZONTAL AND VERTICAL POSITIONING EQUIPMENT. AND 28 KHZ SOUNDING EQUIPMENT.

GPS REFERENCED TIDE GAGE AT: TIDE GAGE PILING, HORSESHOE SHOAL/SNOWS MARSH. M.L.L.W.. USE OF TIDE VALUES FOR THIS GAGE ARE RESTRICTED TO QUALITY ASSURANCES PURPOSES FOR VERIFICATION OF RTK GPS TIDES. THE WILMINGTON DISTRICT WILL ONLY USE STAFF GAGE TIDAL VALUES FOR FINAL MAPPING AND QUANTITY CALCULATIONS IF RTK GPS IS UNAVAILABLE AT THAT TIME.

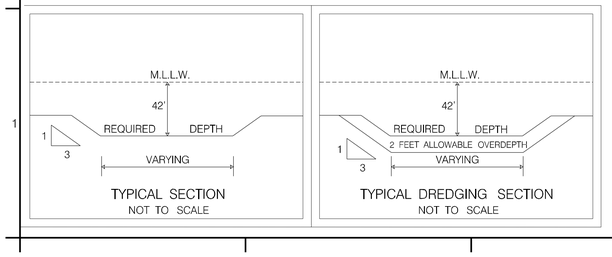
HORIZONTAL DATUM NAD 1983

THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULT OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE.

NAVIGATION AIDS LOCATED BY SURVEY VESSEL. ACCURACY +/- 3 METERS. LATITUDE AND LONGITUDE ARE EXPRESSED IN DEGREES. DECIMAL MINUTES.

DESCRIPTION	EASTING	NORTHING	LATITUDE	LONGITUDE
LT. BUOY 25	2315391	75890	33 57.23808	77 57.60706
LT. BUOY # 25A	2316597	77622	33 57.52149	77 57.36506
LT. BUOY # 27	2318408	82098	33 58.25612	77 56.99727



US Army Corps of Engineers
Wilmington District

DEMARK	DESCRIPTION	DATE	APPROVED	DESCRIPTION	DATE	APPROVED

SURVEYED BY: M.L.L., R.E.B.
DRAWN BY: M.L.L.
MAP FILE NAME: MW_105-08-38
J.D.E.
CHECKED BY:
DATE: 7 APRIL 2008
FILE NAME: HSS_0407.DGN
8 APRIL 2008 PLOT SCALE: 1:2000

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA

CONDITION SURVEY

WILMINGTON HARBOR, NORTH CAROLINA

HORSESHOE SHOAL CHANNEL

SCALE: 1:2000

200 100 0 100 200 300

SCALE IN FEET

.../04_07_CS/hss_0407.dgn 4/9/2008 2:16:51 PM