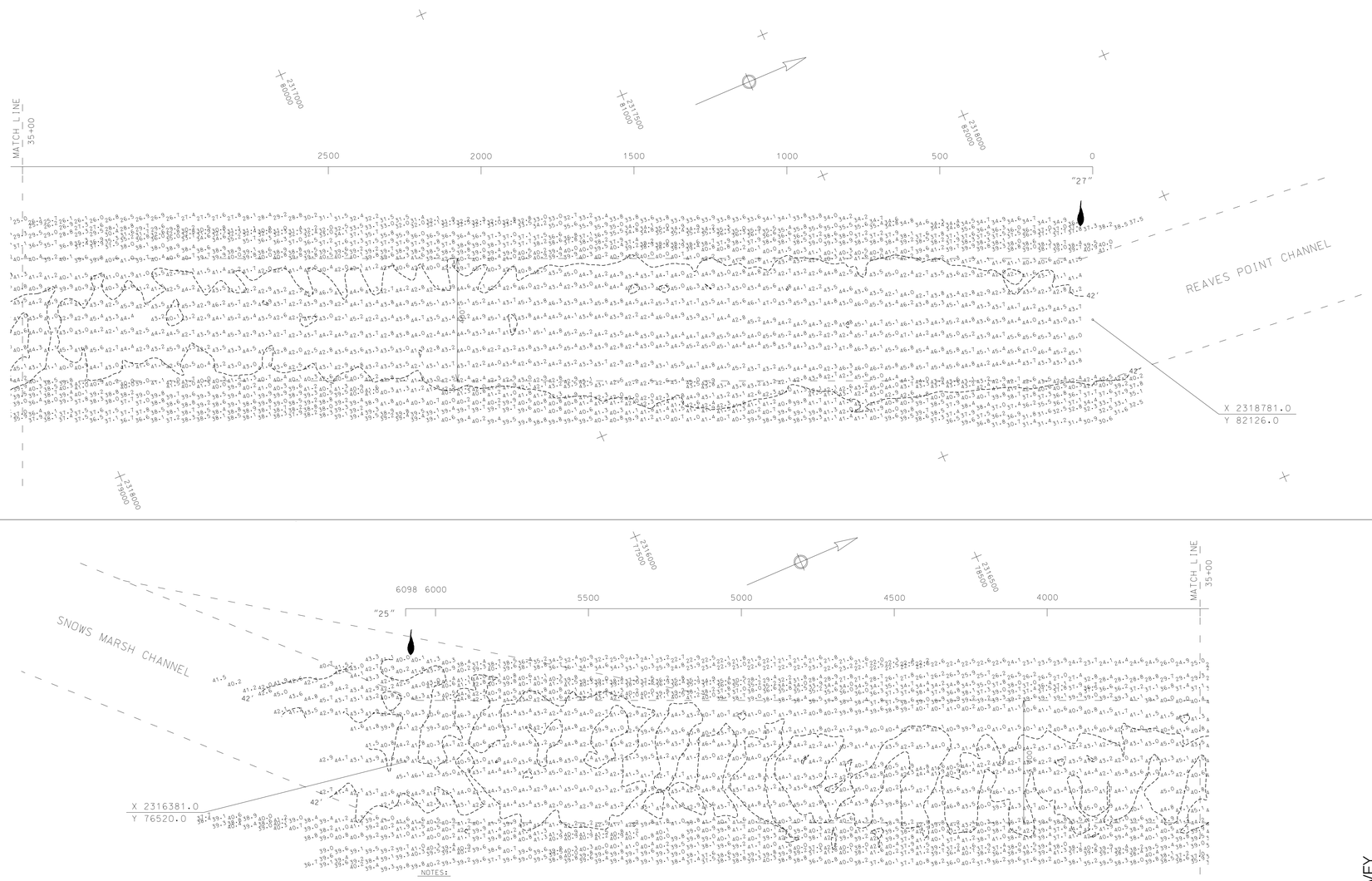

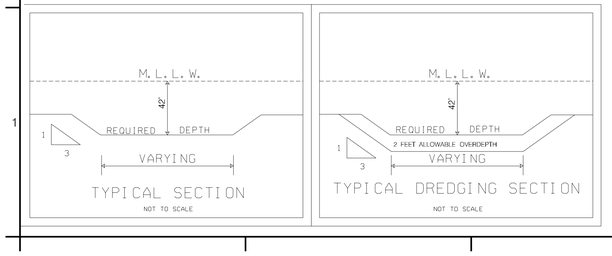

NOTES:

SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO N.O.S. 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: REAVES POINT/HORSESHOE SPLIT RANGE. 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

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

DESCRIPTION	EASTING	NORTHING	LATITUDE	LONGITUDE
LT. BUOY 27	2318499	82203	33 58.27331	77 56.97914
LT. BUOY 25	2316082	76666	33 57.36477	77 57.46885

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.

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. BECAUSE THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE.

SCALE: 1:2000
200 100 0 100 200 300
SCALE IN FEET

US Army Corps of Engineers
Wilmington District

DEMARK	DESCRIPTION	DATE	APPROVED	DEMARK	DESCRIPTION	DATE	APPROVED

APPROVED BY: CHIEF, WILMINGTON BRANCH
MAP FILE NO. VH 105-04-67
SURVEYED: 13 MAY 2004
FILE NAME: HSS0513.DGN
PLOT SCALE: 1:2000
SURVEYED BY: MAS
DRAWN BY: JAA
CHECKED BY:
REVIEWED BY:
DATE: 14 MAY 2005

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

CONDITION SURVEY

WILMINGTON HARBOR, NORTH CAROLINA

HORSESHOE SHOAL CHANNEL

PLATE NUMBER

SHEET OF

.../3009SAEH/WILHBR/hss0513.dgn 05/14/2004 12:56:49 PM