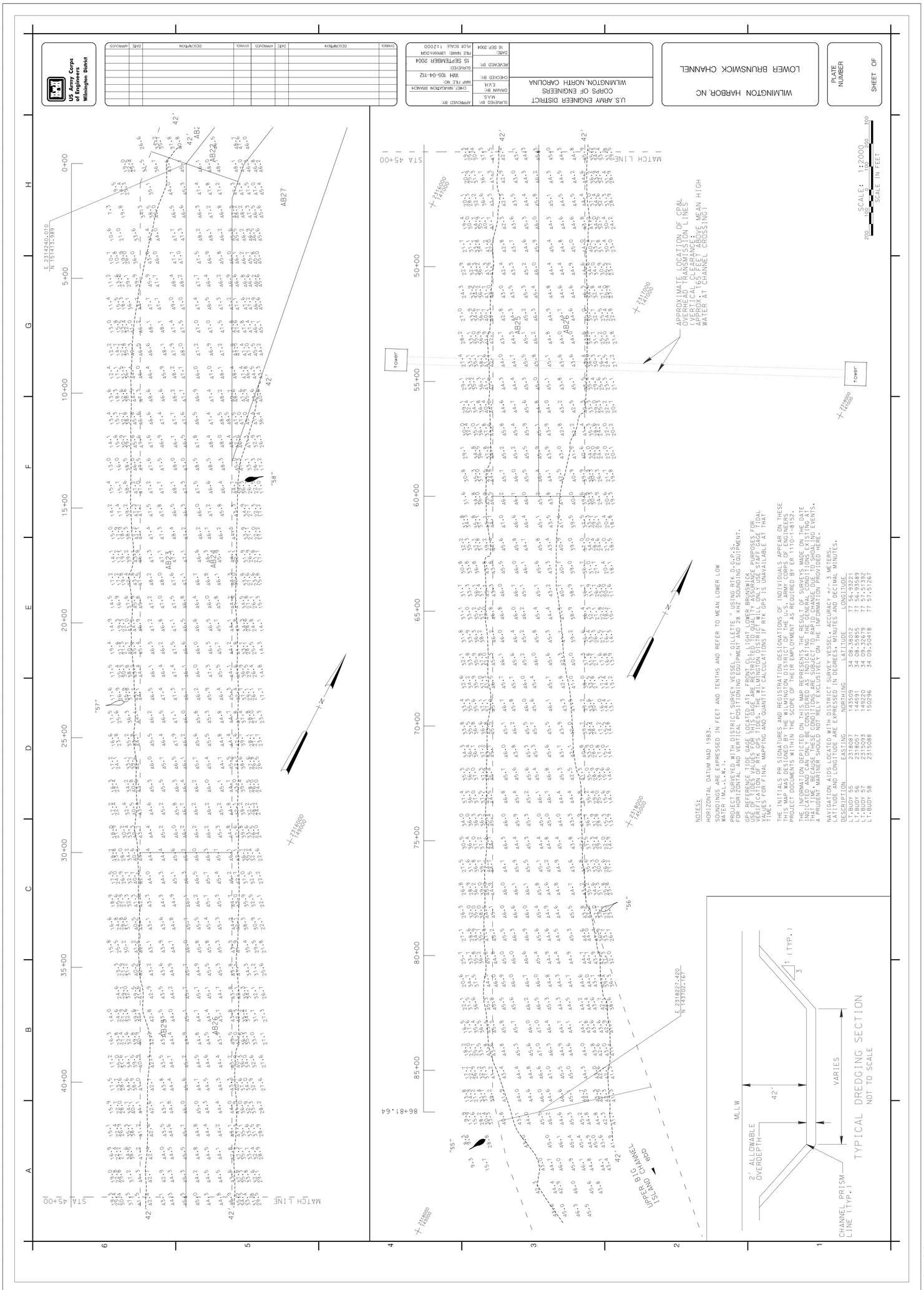
US Army Corps of Engineers
Wilmington District
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WILMINGTON, NORTH CAROLINA
WILMINGTON HARBOR, NC
LOWER BRUNSWICK CHANNEL
PLATE NUMBER
SHEET OF
SCALE: 1:2000
SCALE IN FEET
MATCH LINE
STA 45+00
APPROXIMATE LOCATION OF CP&L OVERHEAD TRANSMISSION LINES (VERTICAL CLEARANCE: 45 FEET ABOVE MEAN HIGH WATER AT CHANNEL CROSSING)
NOTES:
HORIZONTAL DATUM NAD 1983.
SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (M.L.L.W.).
PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL " GILLETTE " USING RTK D.G.P.S. FOR HORIZONTAL AND VERTICAL POSITIONING EQUIPMENT AND 28 KHZ SOUNDING EQUIPMENT.
GPS REFERENCE TIDE GAGE LOCATED AT: FRONT CL. LIGHT LOWER BRUNSWICK
USE OF TIDES VALUES FOR THIS GAGE ARE RESTRICTED TO QUALITY ASSURANCE 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.
THE INITIALS PR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE THIS MAP WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS 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. BECAUSE 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 WITH DISTRICT SURVEY VESSEL. ACCURACY +/- 3 METERS. LATITUDE AND LONGITUDE ARE EXPRESSED IN DEGREES. MINUTES AND DECIMAL MINUTES.
DESCRIPTION EASTING NORTHING LATITUDE LONGITUDE
LT.BUOY 55 2318087 143509 34 08.38012 77 56.93221
LT.BUOY 56 2318057 144591 34 08.58855 77 56.95589
LT.BUOY 57 2315093 149220 34 09.32679 77 57.51392
LT.BUOY 58 2315088 150296 34 09.50418 77 57.51267
TYPICAL DREDGING SECTION
NOT TO SCALE
MLLW
2' ALLOWABLE OVERDEPTH
VARIES
CHANNEL PRISM LINE (TYP.)
1 (TYP.)
3
42'
UPPER BIG ISLAND CHANNEL
ebb
AB27
AB26
AB25
AB24
AB23
AB22
AB21
"57"
"58"
"56"
"55"
tower
E 2318227.420
N 143702.167
E 2318240.010
N 151413.989
0+00
5+00
10+00
15+00
20+00
25+00
30+00
35+00
40+00
50+00
55+00
60+00
65+00
70+00
75+00
80+00
85+00
86+81.64