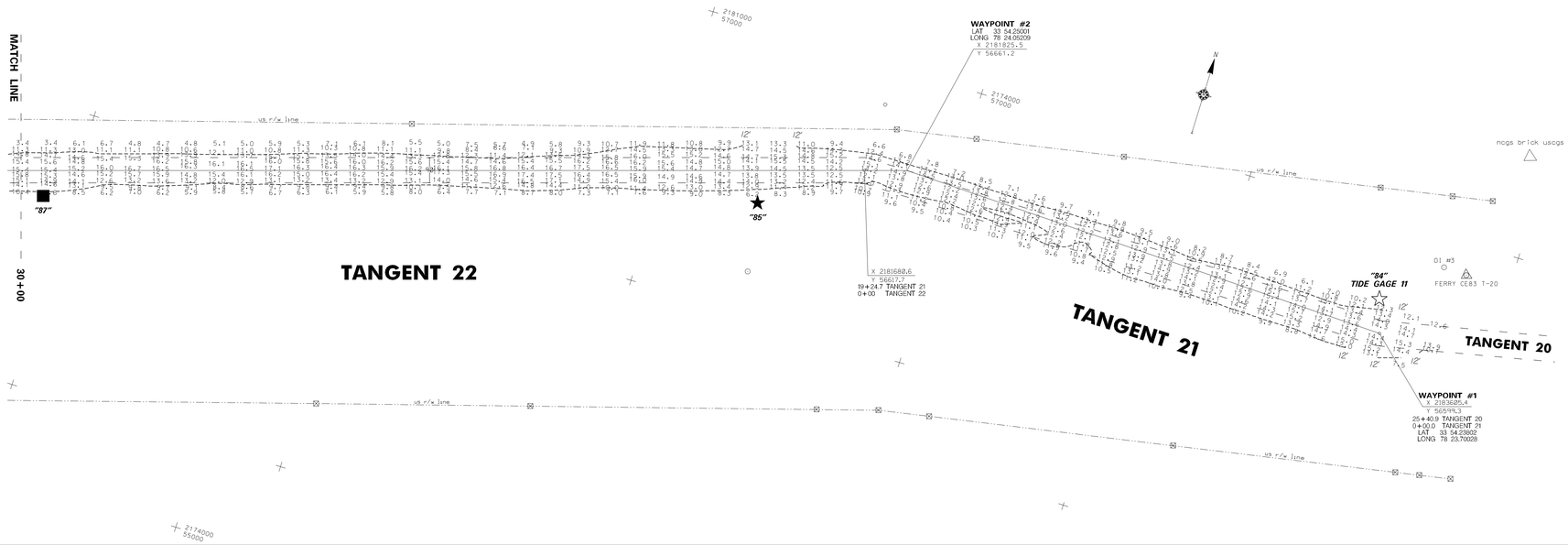

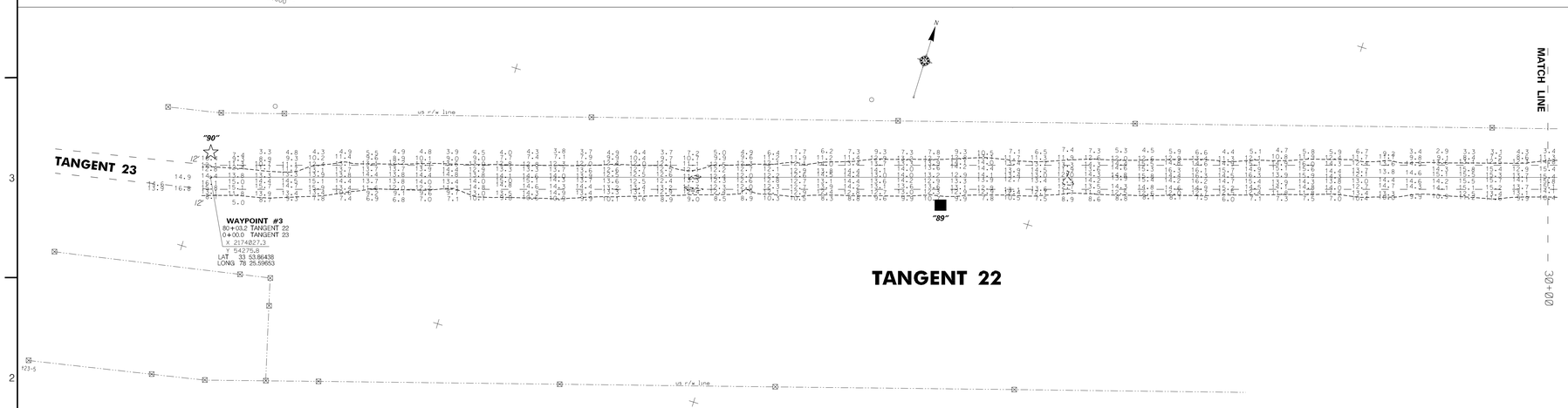

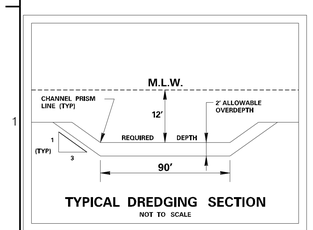

TYPICAL DREDGING SECTION
NOT TO SCALE

SCALE: 1:2400

200 100 0 200 400

SCALE IN FEET

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

DESCRIPTION	EASTING	NORTHING	LATITUDE	LONGITUDE
BCN #84	2183569	56717	33 54.25744	78 23.70734 - TIDE GAGE
BCN #85	2181351	56395	33 54.20657	78 24.14628
DM #87	2178908	55675	33 54.09032	78 24.63009
DM #89	2176666	54975	33 53.97708	78 25.07410
BCN #90	2174002	54366	33 53.87923	78 25.60146

NOTES:

1. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO LOCAL M.L.W.
2. PROJECT SURVEYED WITH DISTRICT SURVEY VESSEL "J. BUTLER". USING D.G.P.S. HORIZONTAL POSITIONING EQUIPMENT AND 200 KHZ SOUNDING EQUIPMENT.
3. TIDE GAGE LOCATED AT: BCN #84 (Local Datum)
4. HORIZONTAL DATUM NAD 1983.
5. THIS PROJECT WAS DESIGNED BY THE WILMINGTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.
6. THESE WAYPOINTS, MAPS, & ASSOCIATED INFORMATION REPRESENT THE RESULTS 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.

US Army Corps of Engineers
Wilmington District

SYMBOL	DESCRIPTION	DATE	APPROVED	SYMBOL	DESCRIPTION	DATE	APPROVED

CONTROLLING DATUM = M.L.W. (Tangent 20)
CONTROLLING DATUM = M.S.L. (Tangent 21-22)

SURVEYED BY: APPROVED BY:
M.S.A. ARD
DRAWN BY: MAP FILE NO.
M.S.A. ARMY. CFR-AR 105-55-22
CHECKED BY: SURVEY DATE: 19 AUG 2008
DATE: 20 AUG 2008 FILE NAME: dr55-22_0819cs.dgn PLOT SCALE: 1:2400

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

ATLANTIC INTRACOASTAL WATERWAY
NORTH CAROLINA
NORFOLK, VA AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)

CAPE FEAR RIVER, N.C.
to LITTLE RIVER, S.C

TANGENTS 21 & 22

CONDITION SURVEY

PLATE NUMBER

SHEET __ OF __

.../cflr21-22_0819cs.dgn 8/21/2008 7:51:34 AM