

West Bay
20,000 CFS Diversion
Diversion Channel Development

537.62
502.22

AZ. 21 AZ. 273°21'37.80"

**BEGIN DREDGING
CL STA. 16+97
APPROXIMATELY**
X= 3,933,537.62
Y= 264,502.22

195' BOTTOM WIDTH

BELOW
7

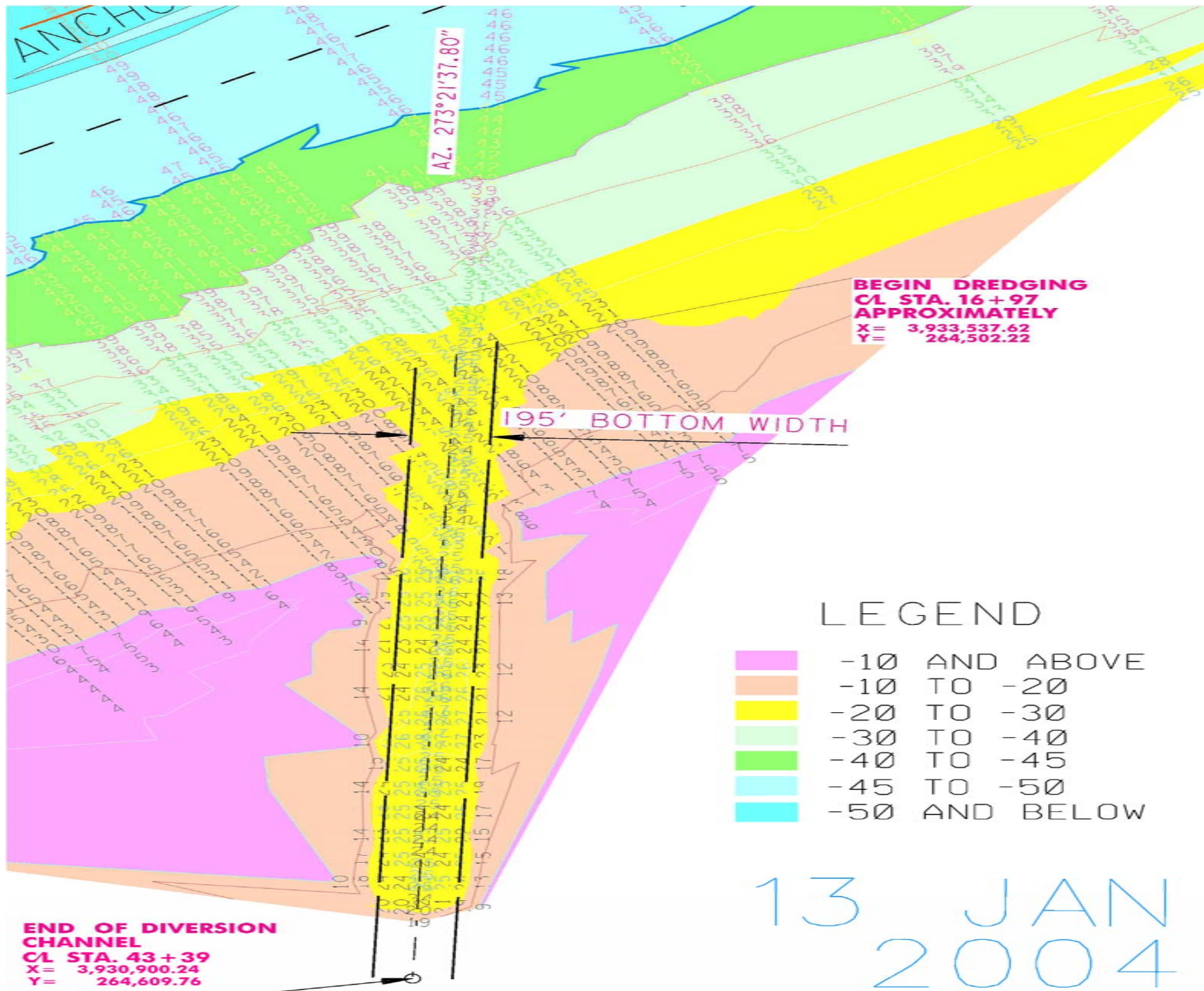
5.0-G
,932,186.24
264,550.34

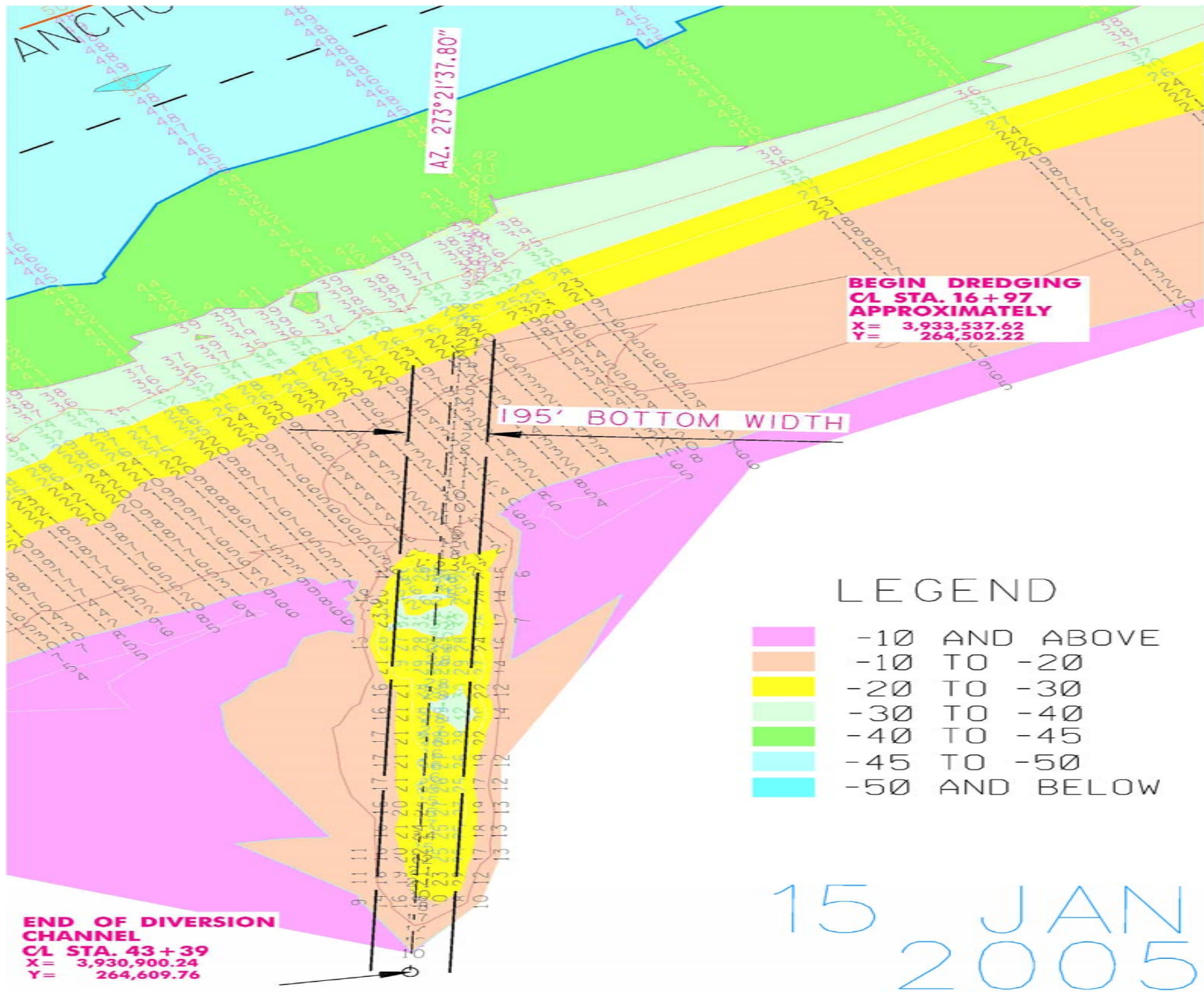
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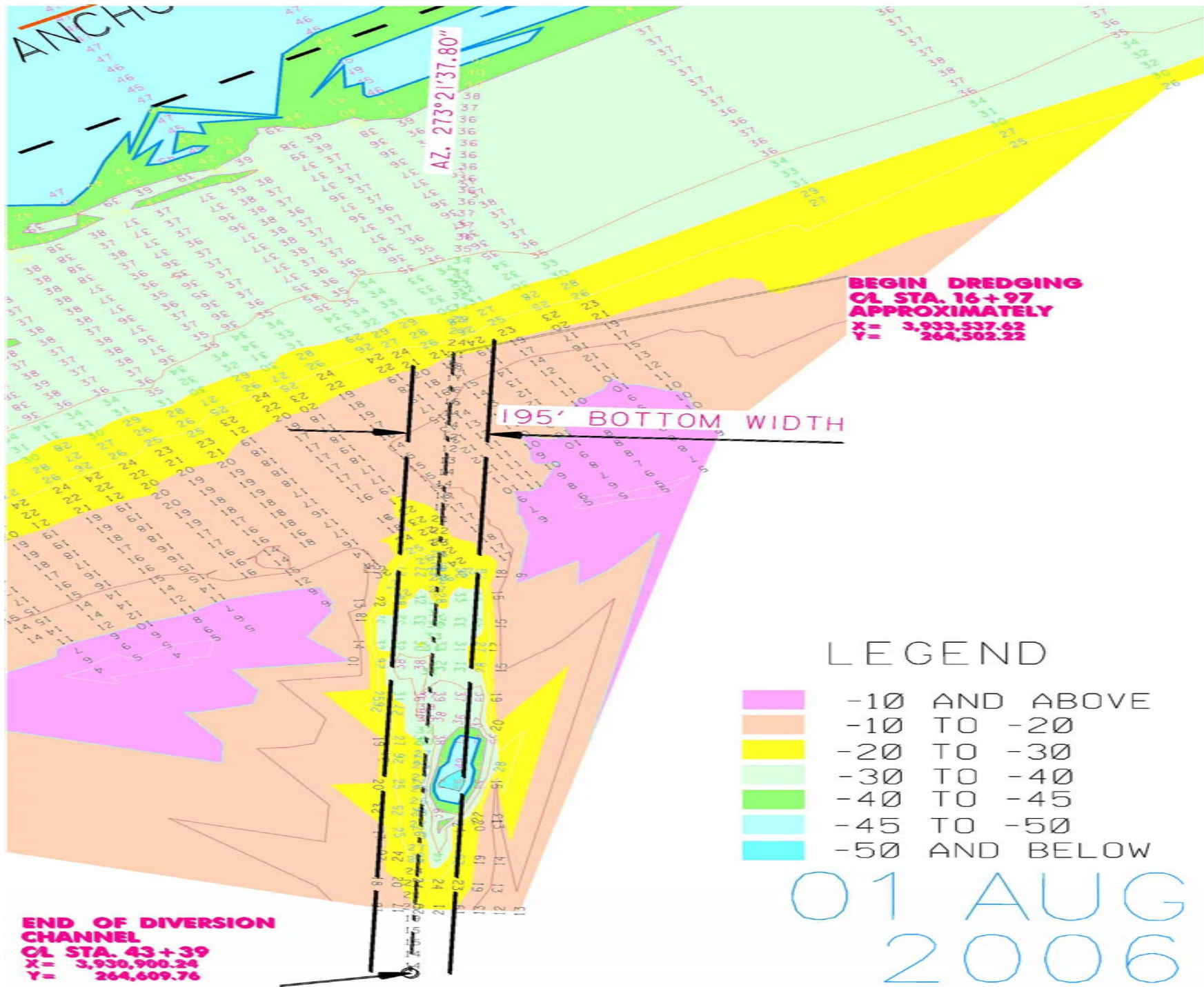
END OF DIVERSION CHANNEL
C/L STA. 43 + 39
X = 3,930,900.24
Y = 264,609.76

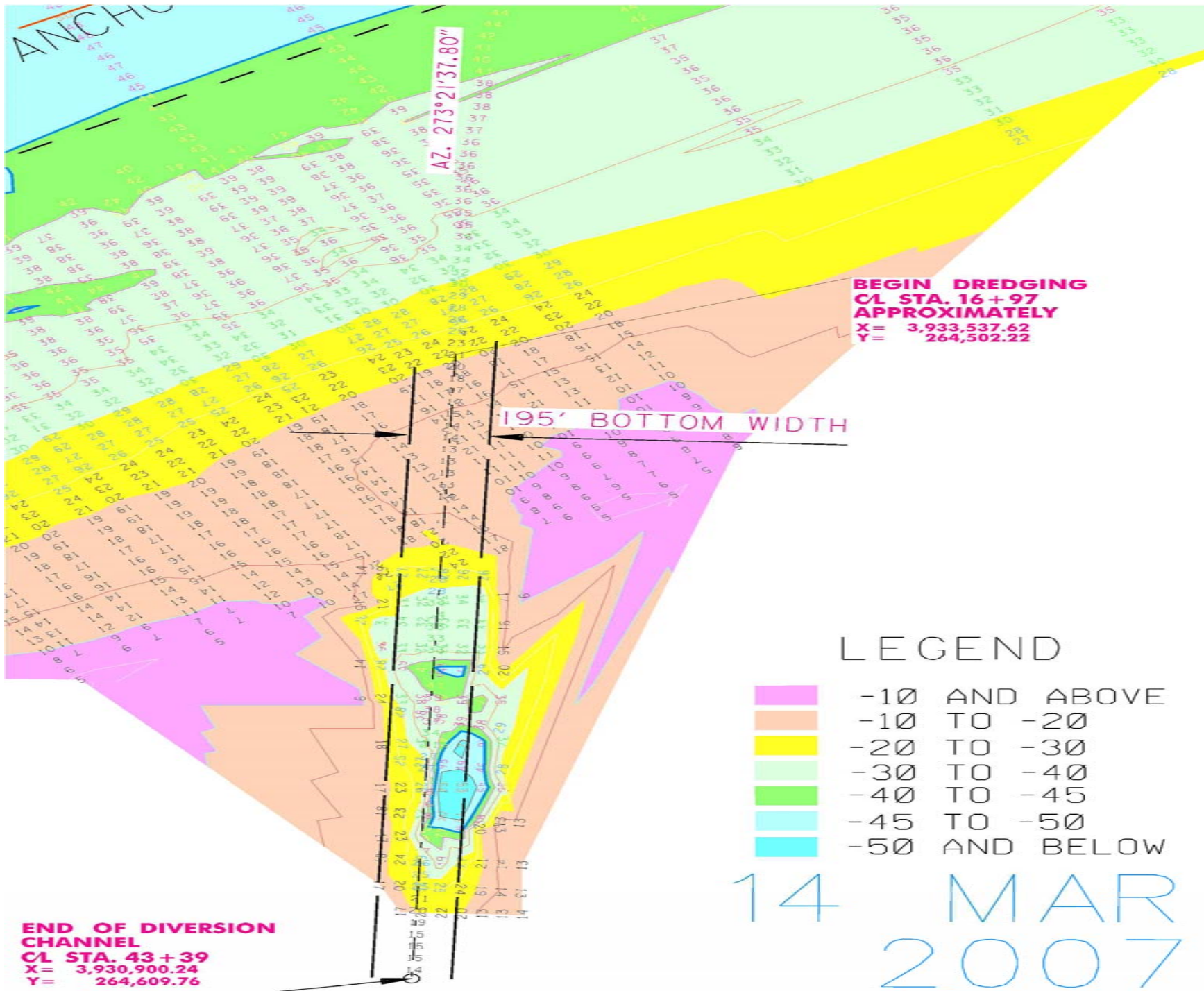
$$\begin{aligned} X &= 3,931,719.74 \\ Y &= 263,788.63 \end{aligned}$$

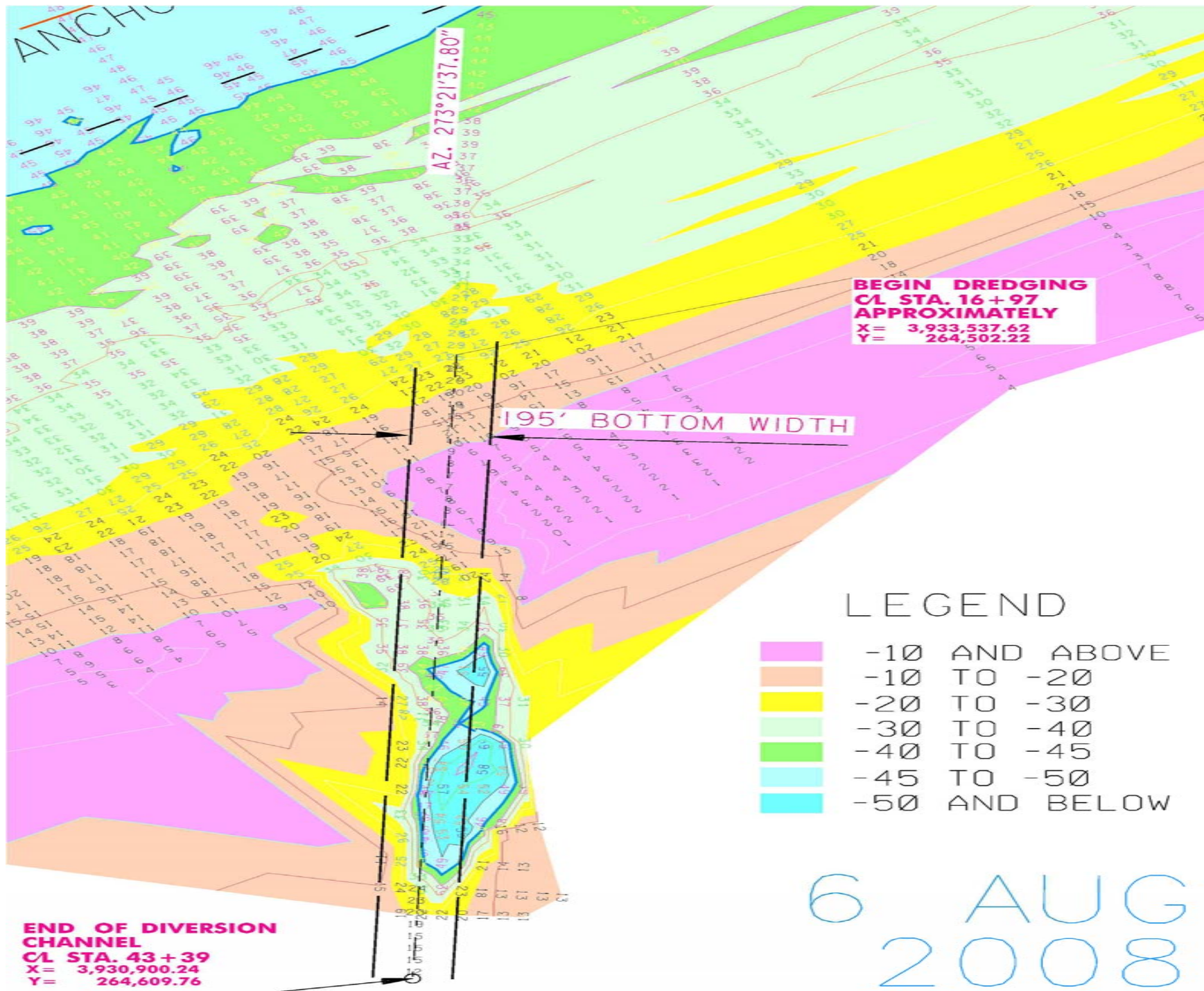
226° 01' 12.75"

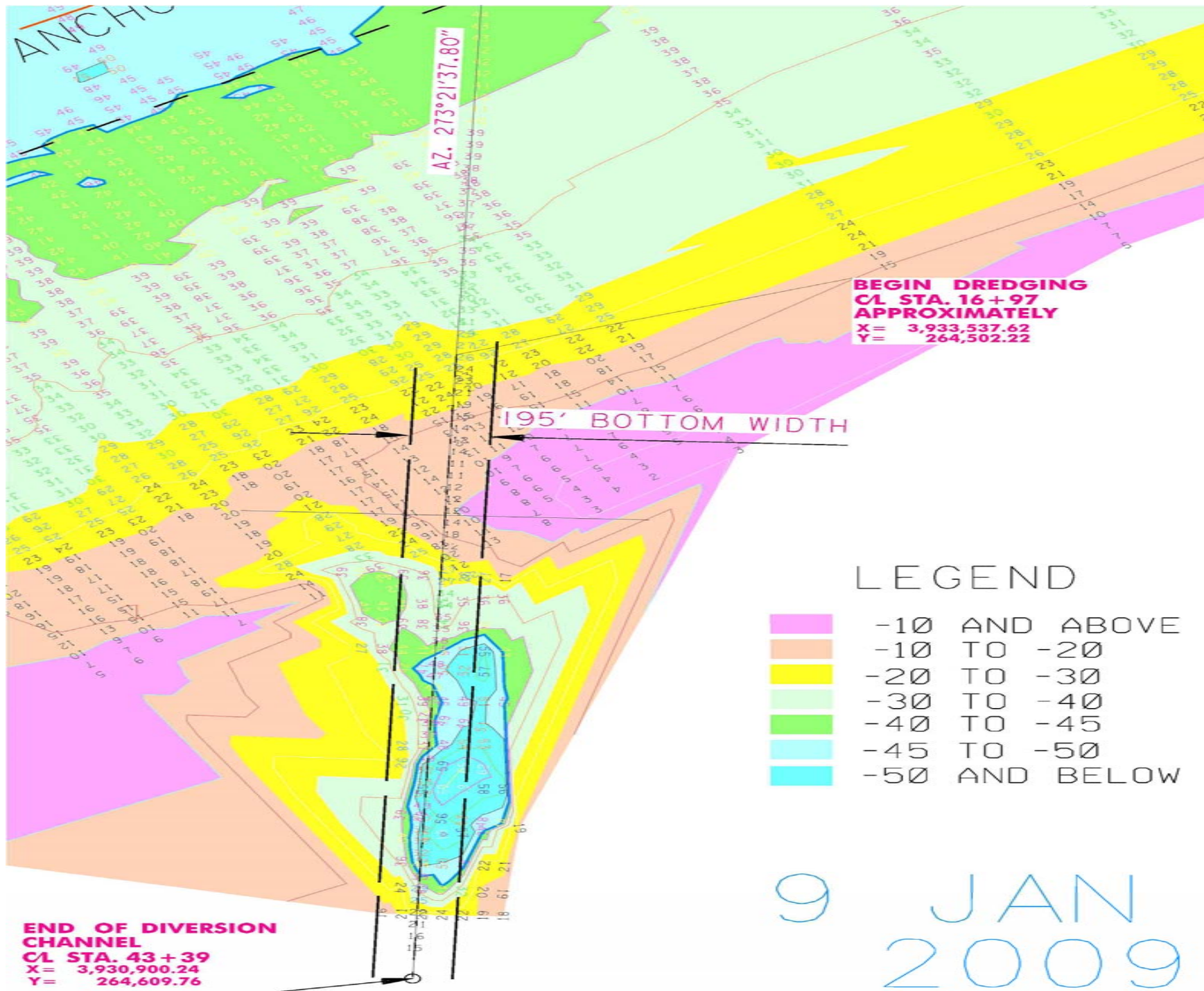


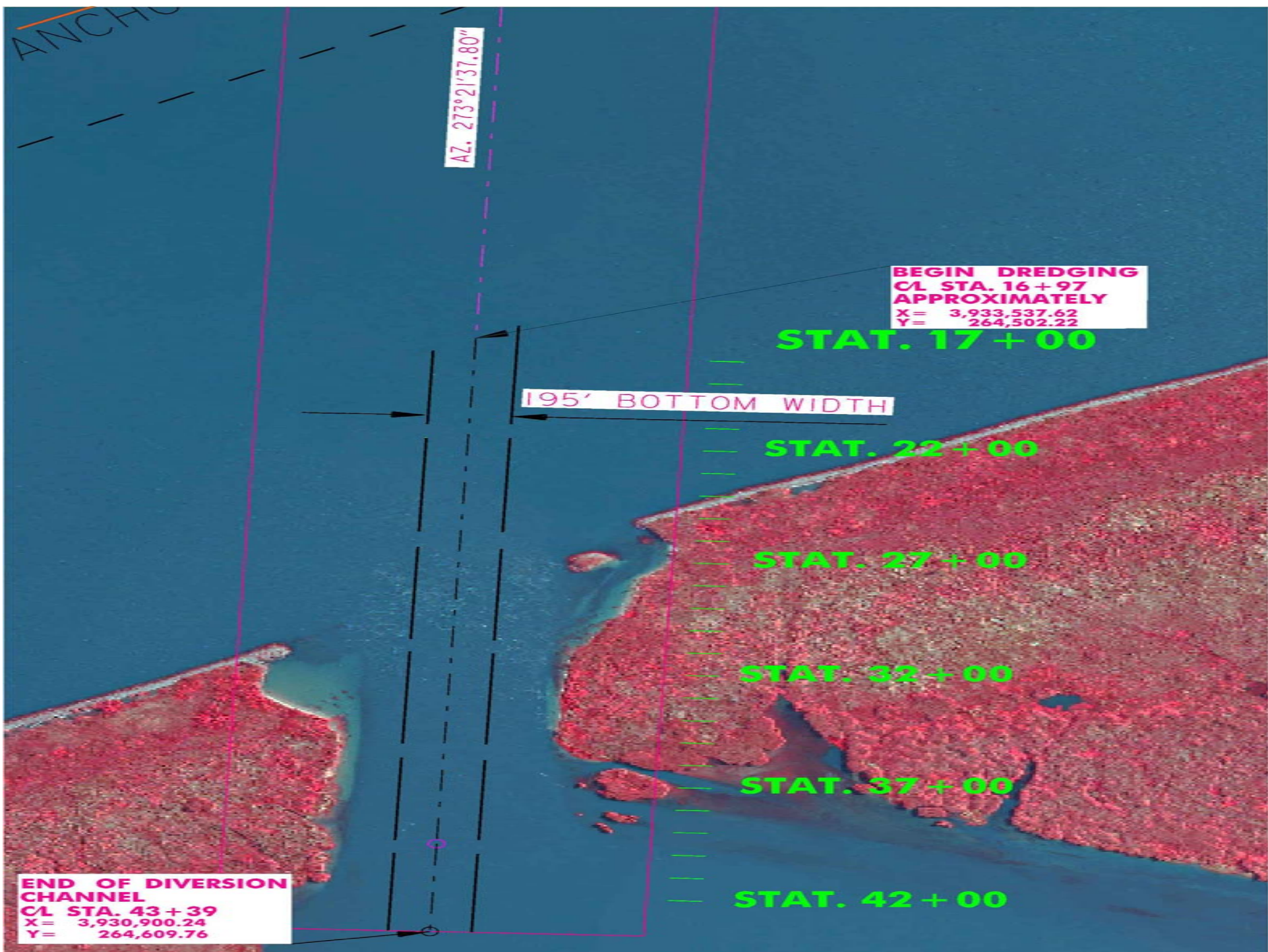






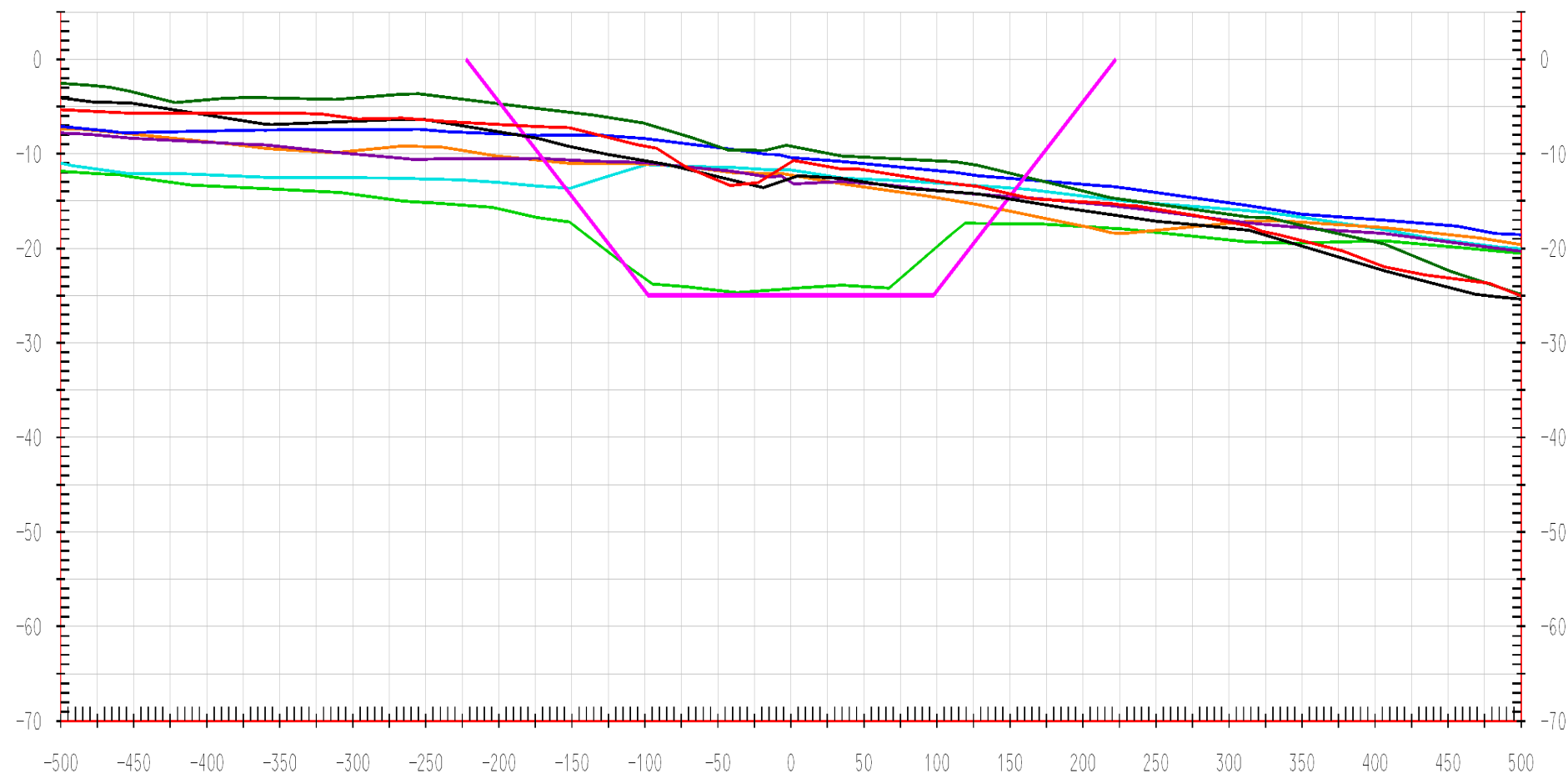




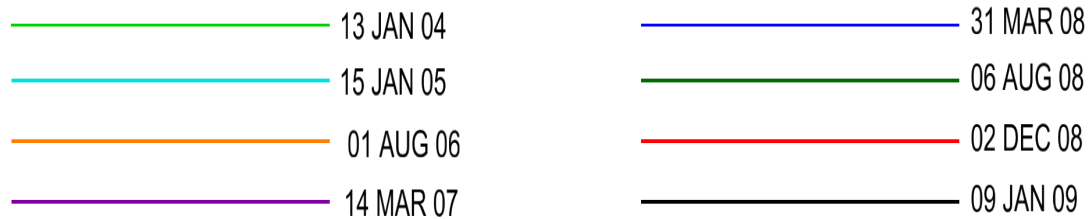


D/S

U/S

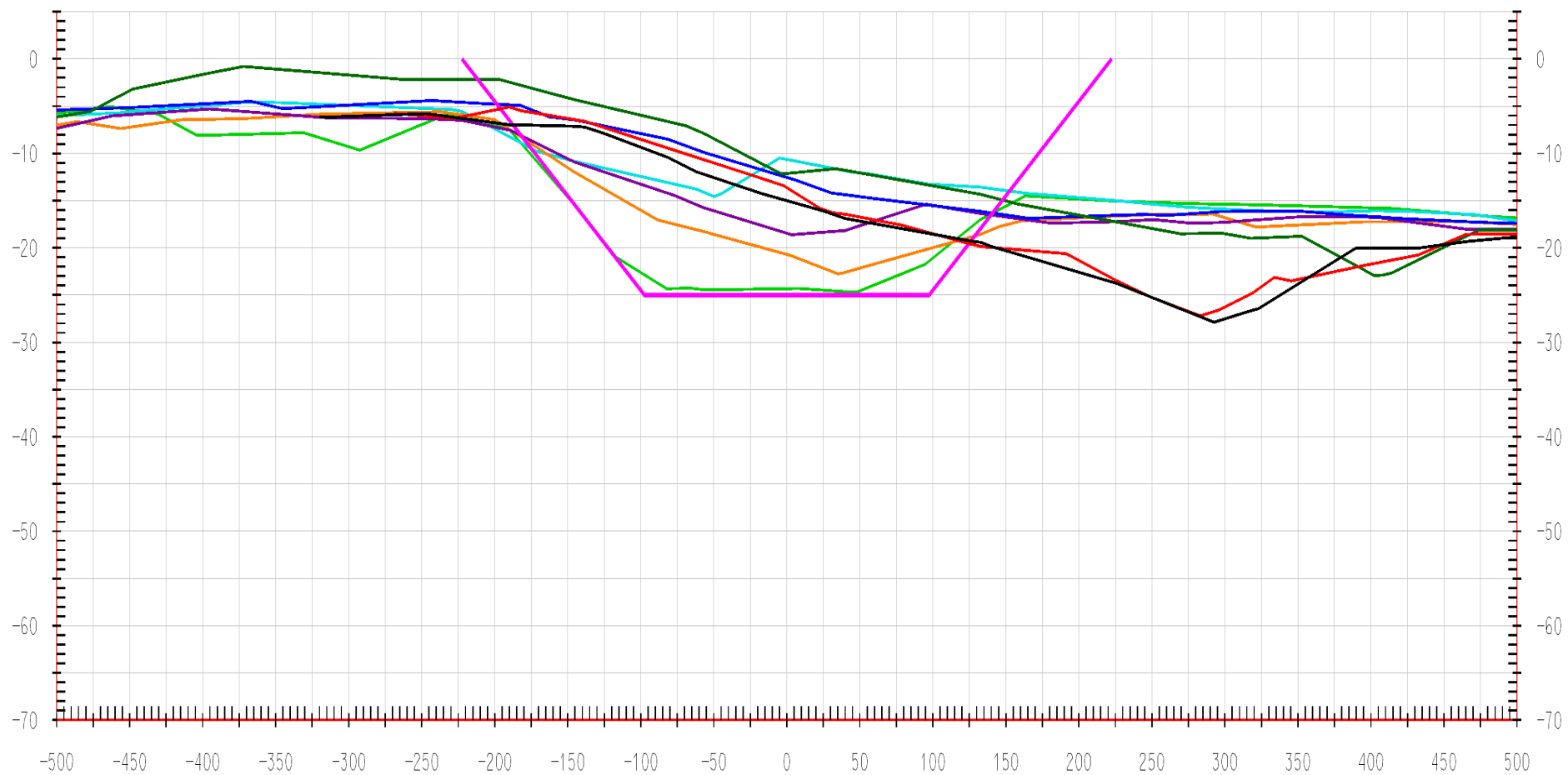


21+00

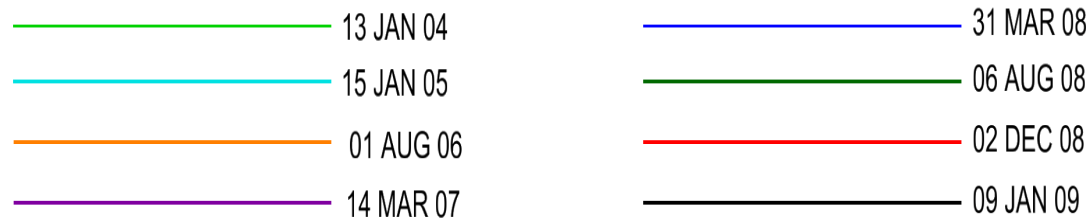


D/S

U/S

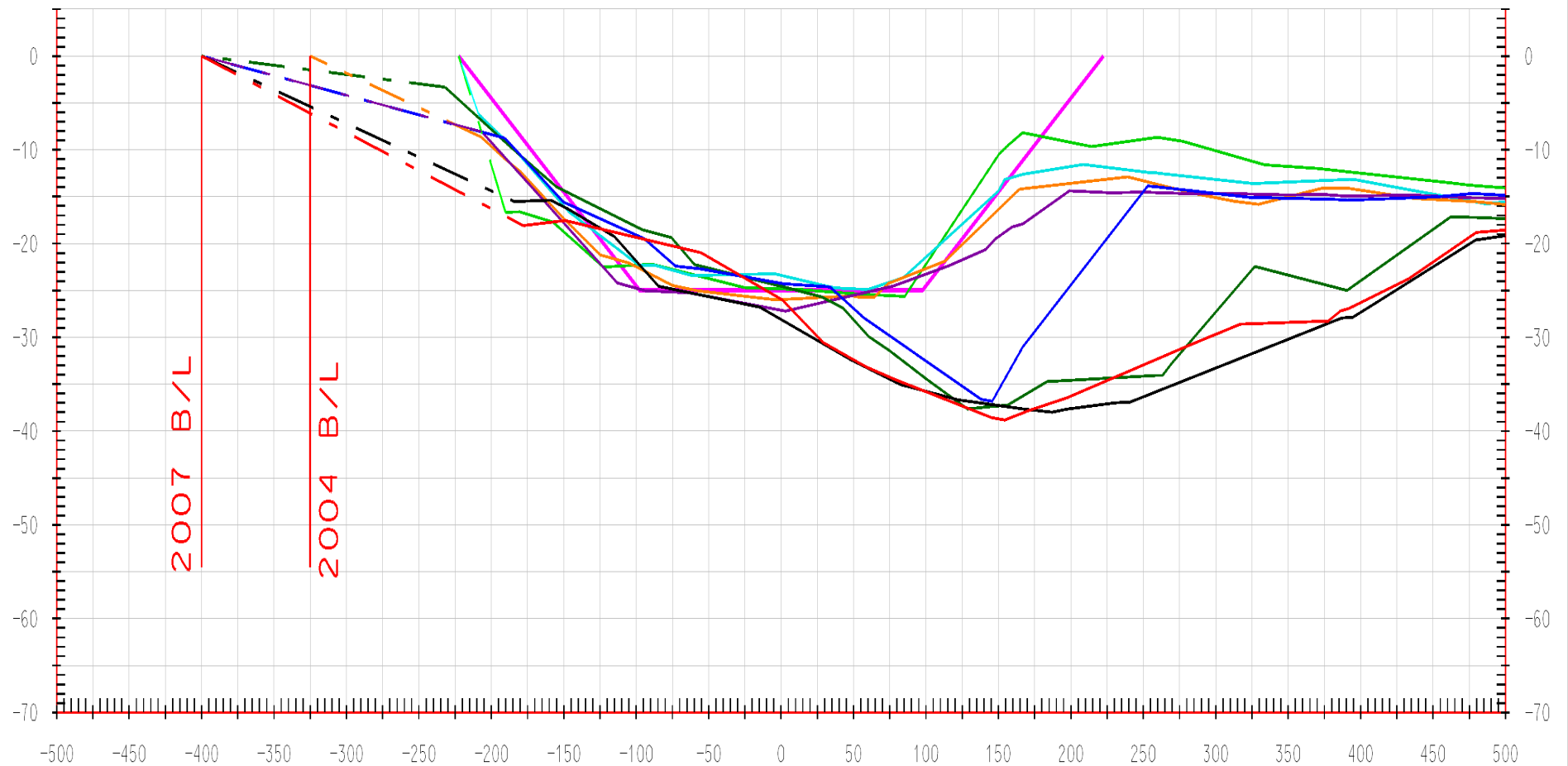


24+00

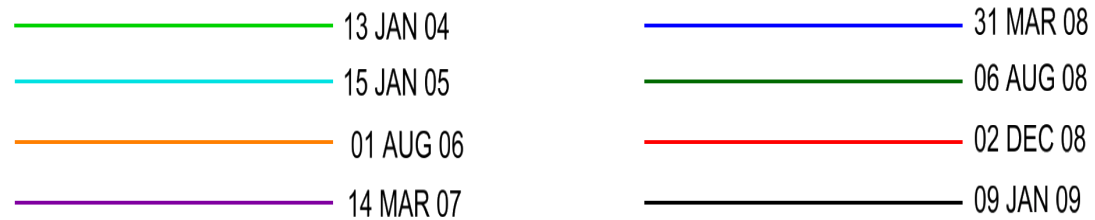


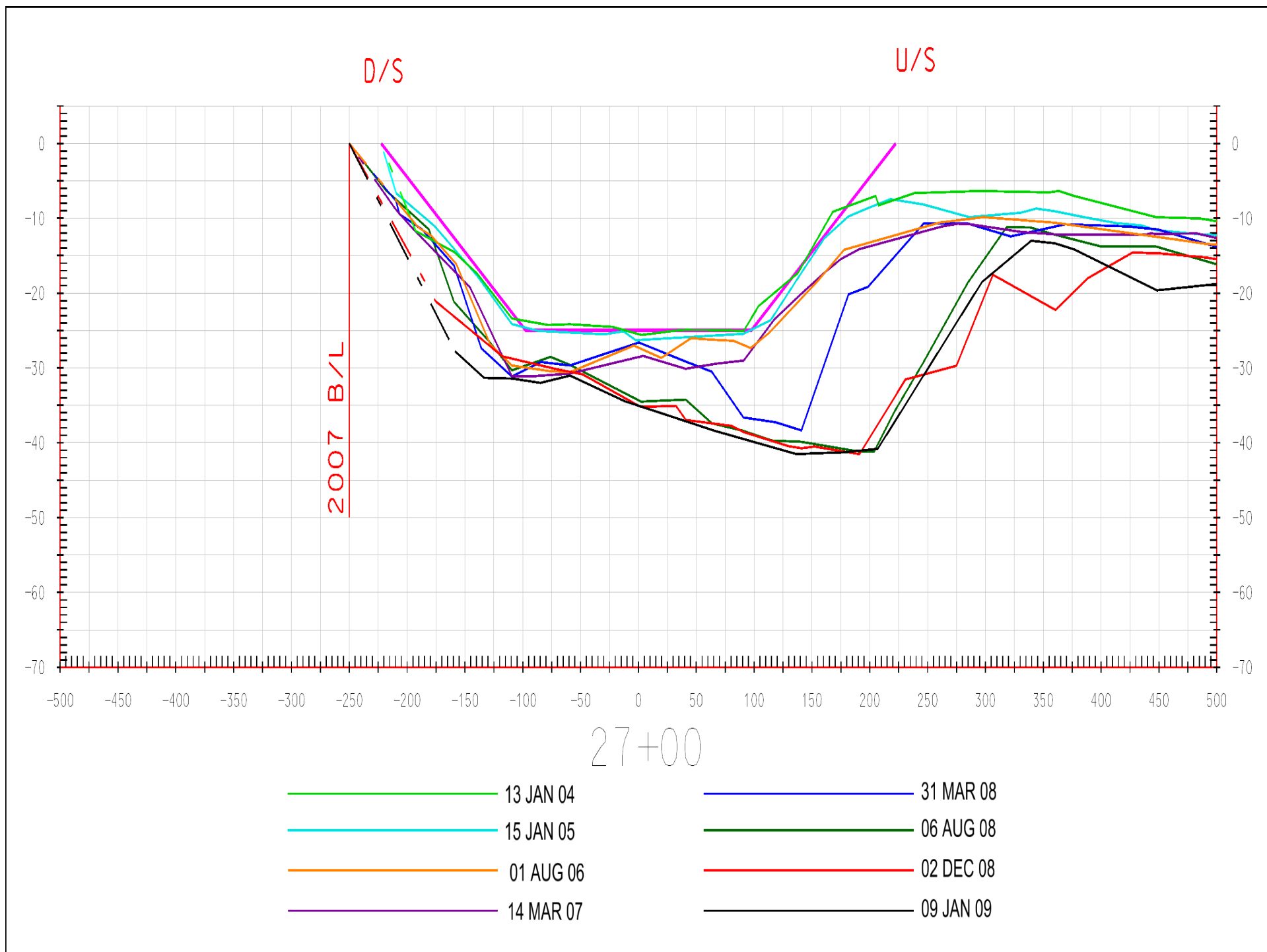
D/S

U/S



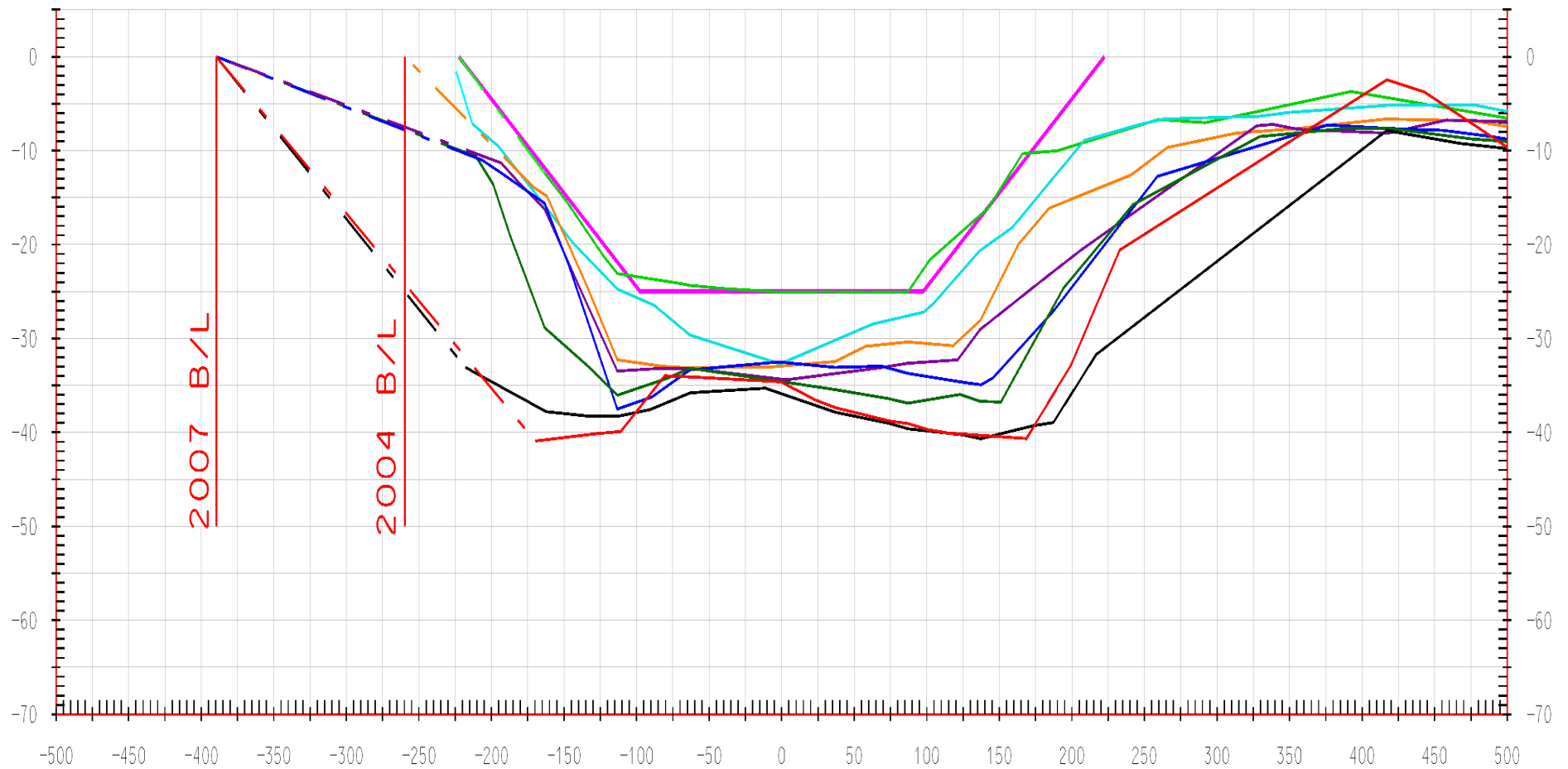
26+00



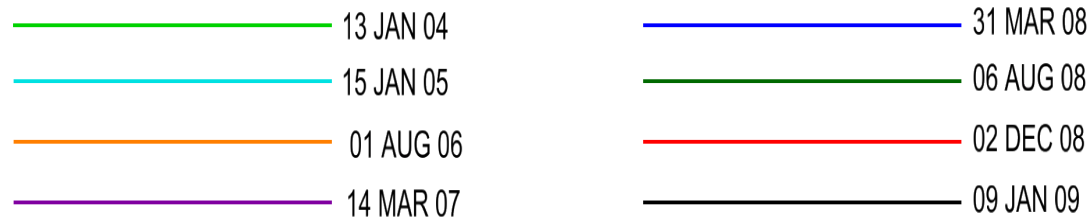


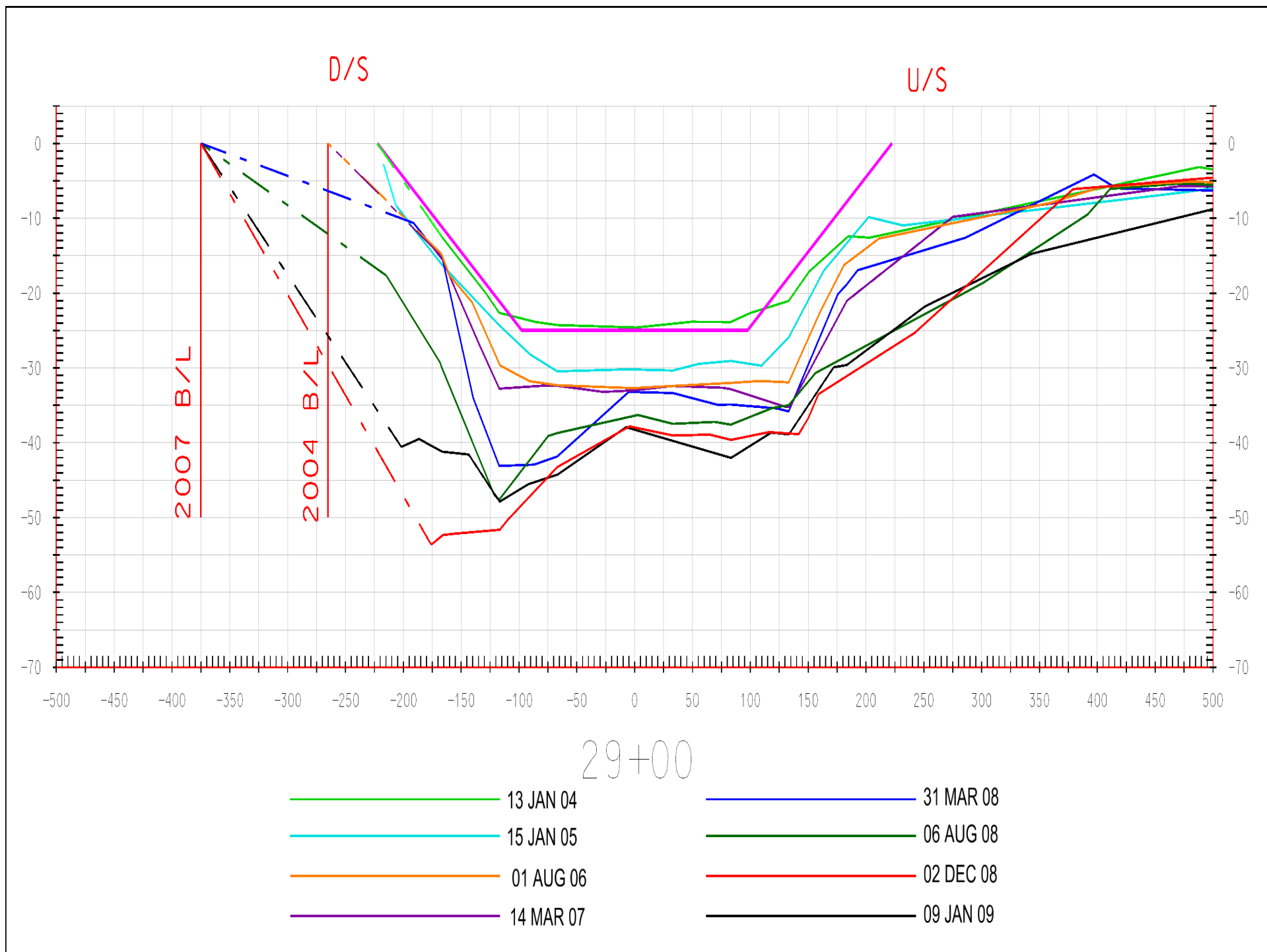
D/S

U/S



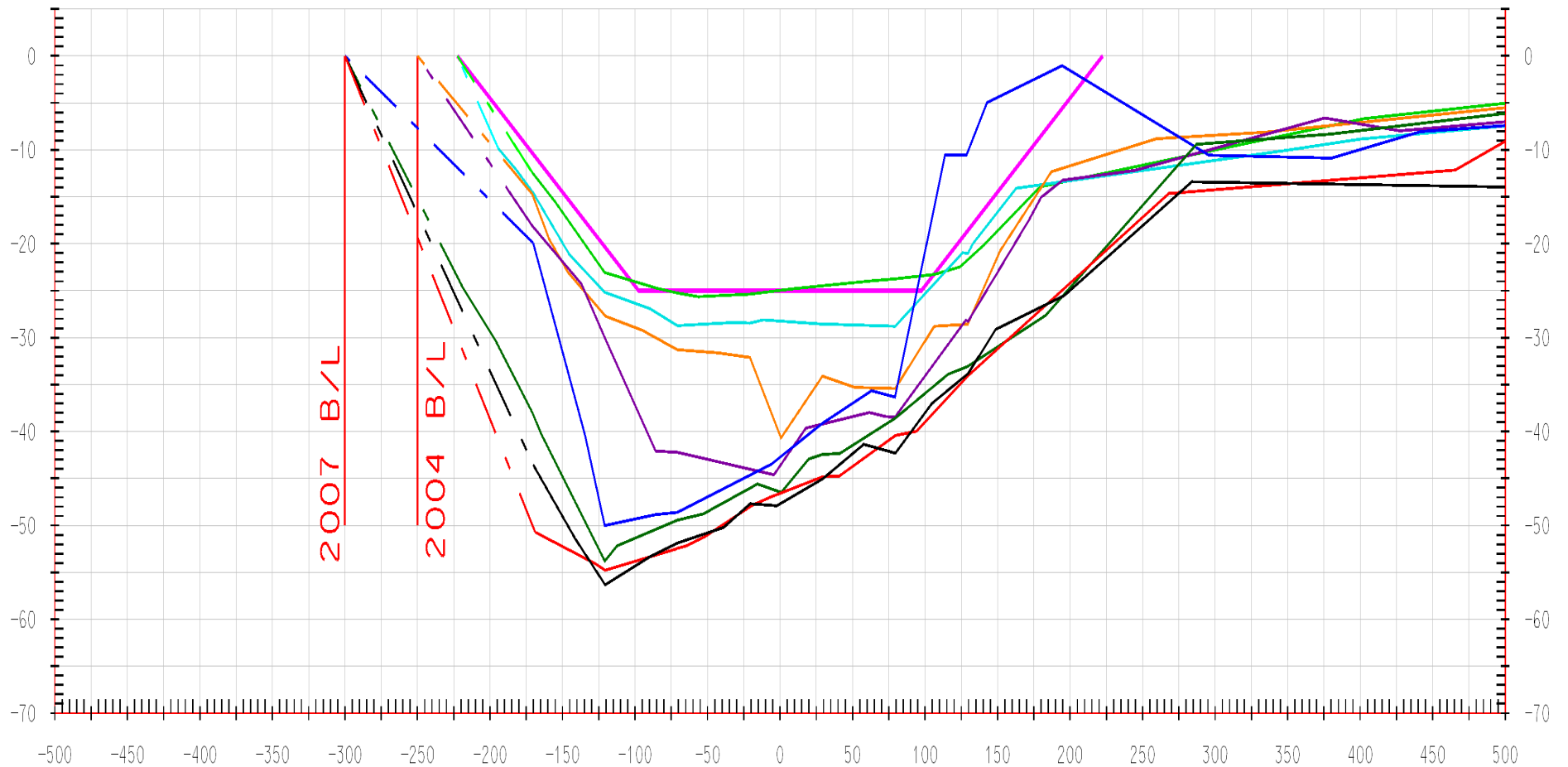
28+00





D/S

U/S

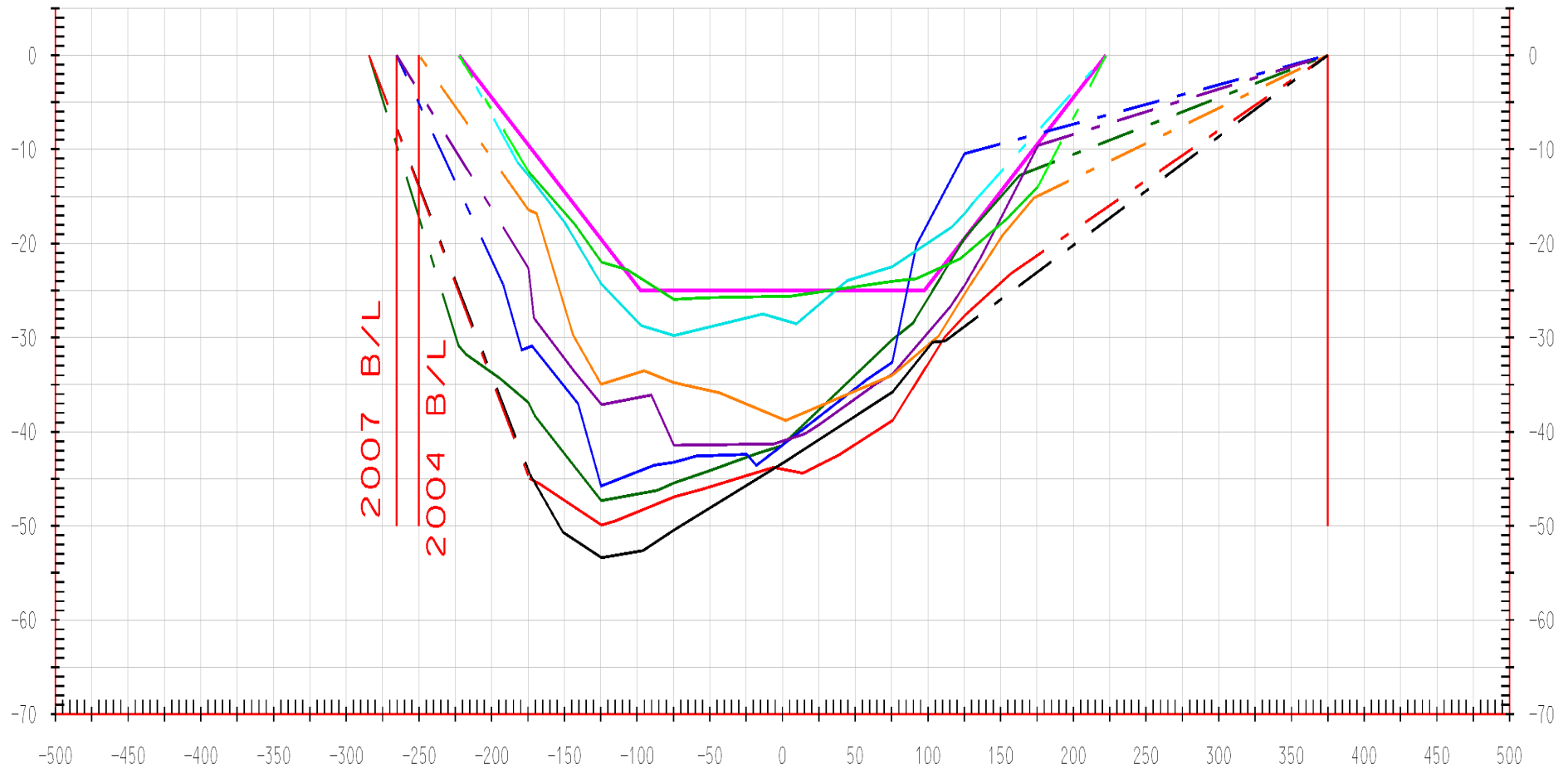


13 JAN 04
15 JAN 05
01 AUG 06
14 MAR 07

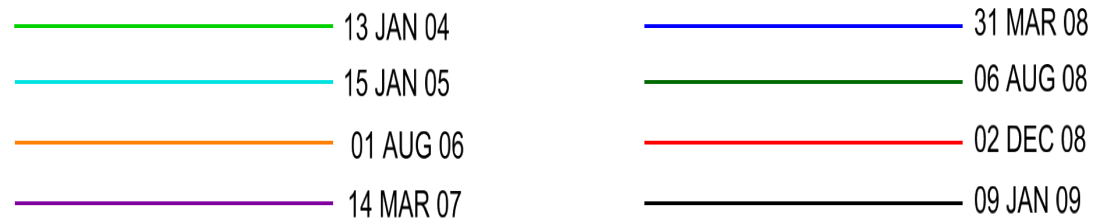
31 MAR 08
06 AUG 08
02 DEC 08
09 JAN 09

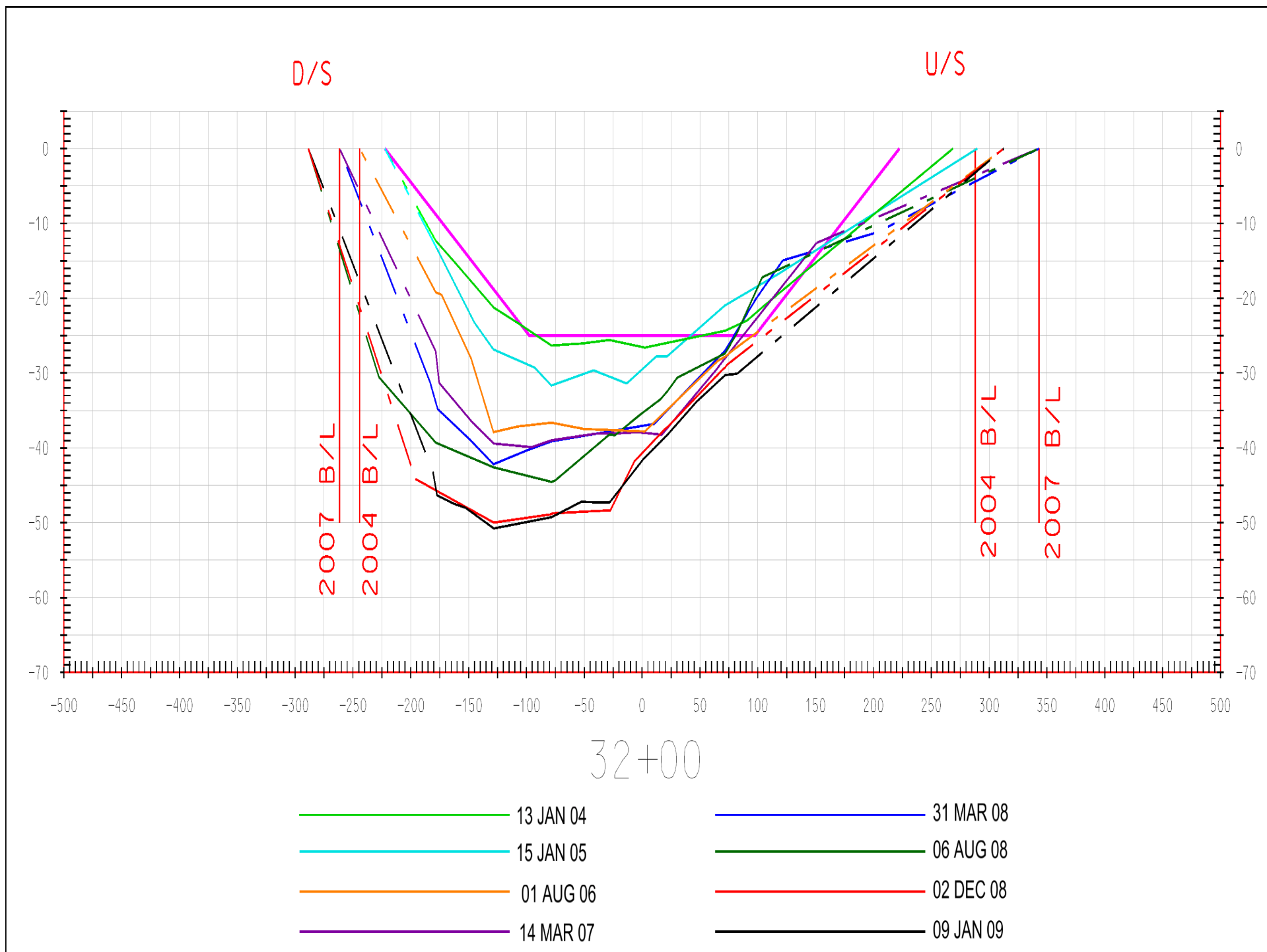
D/S

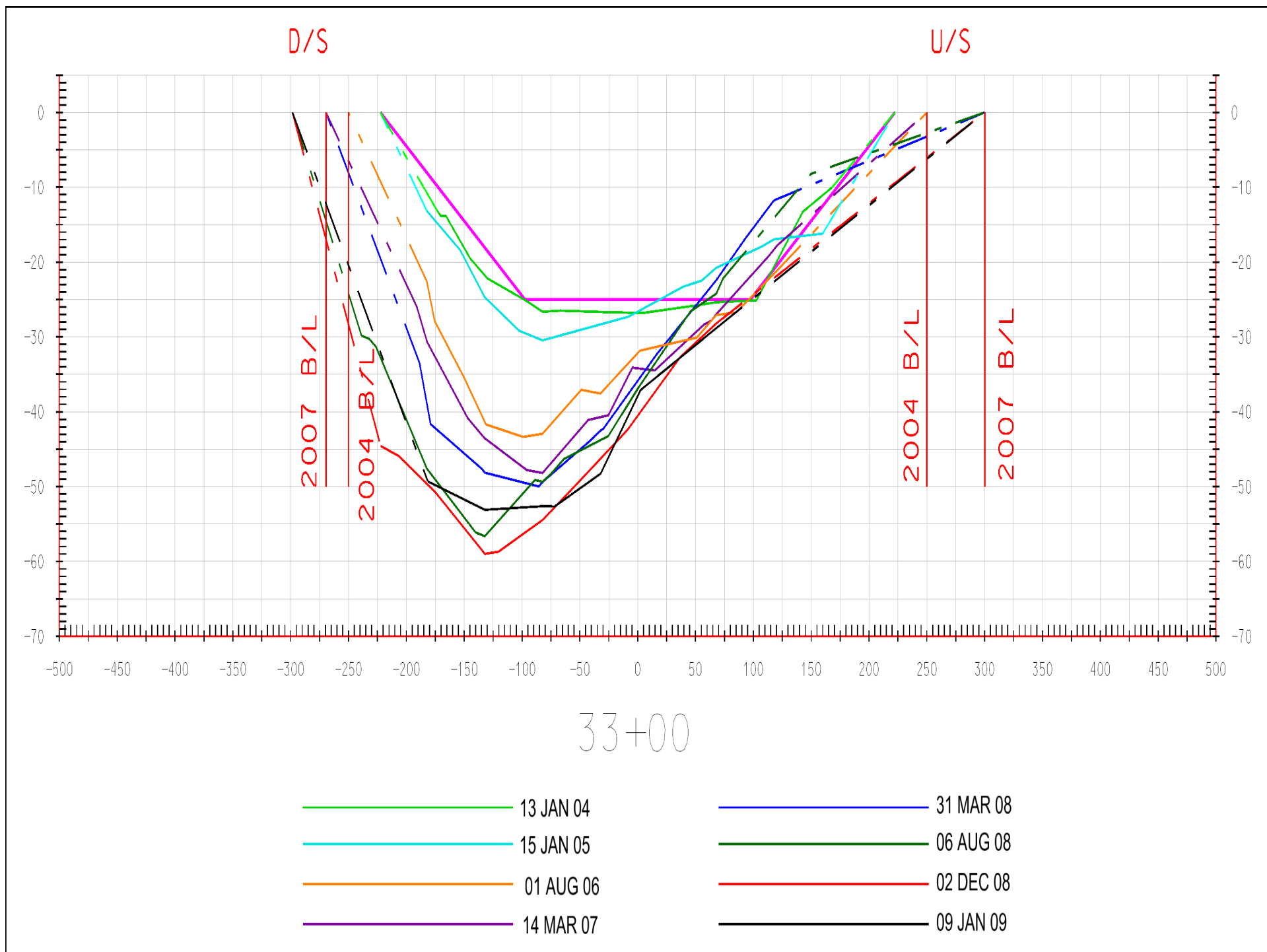
U/S



31+00

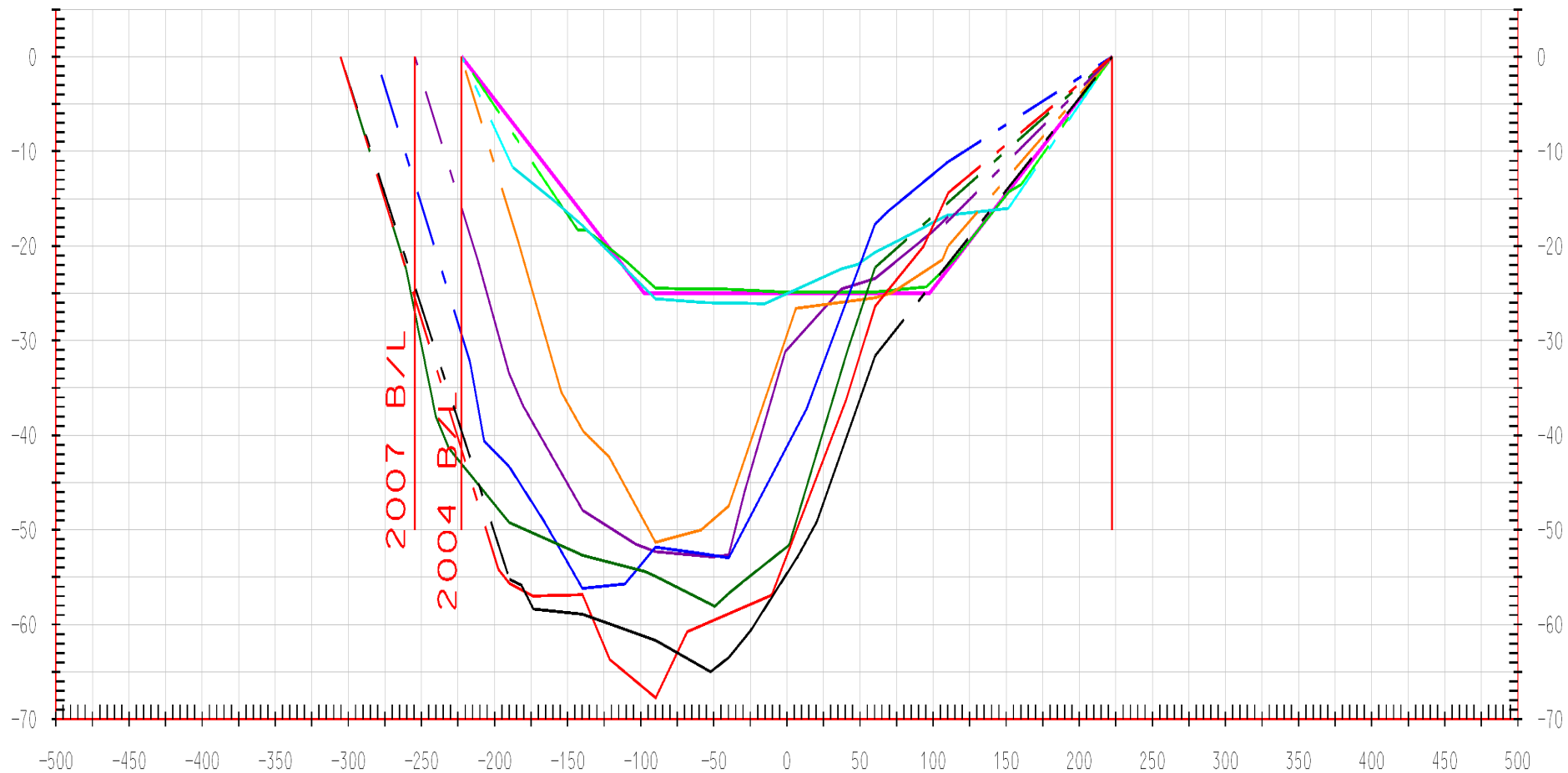




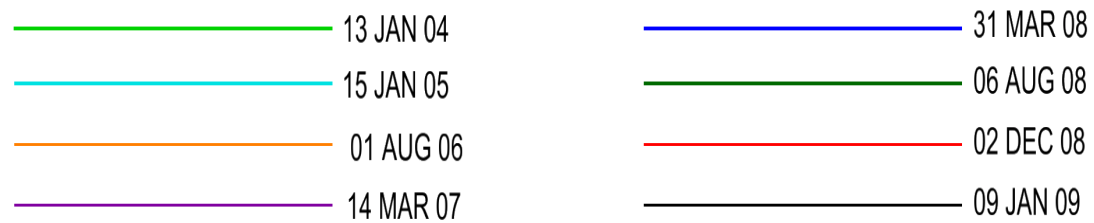


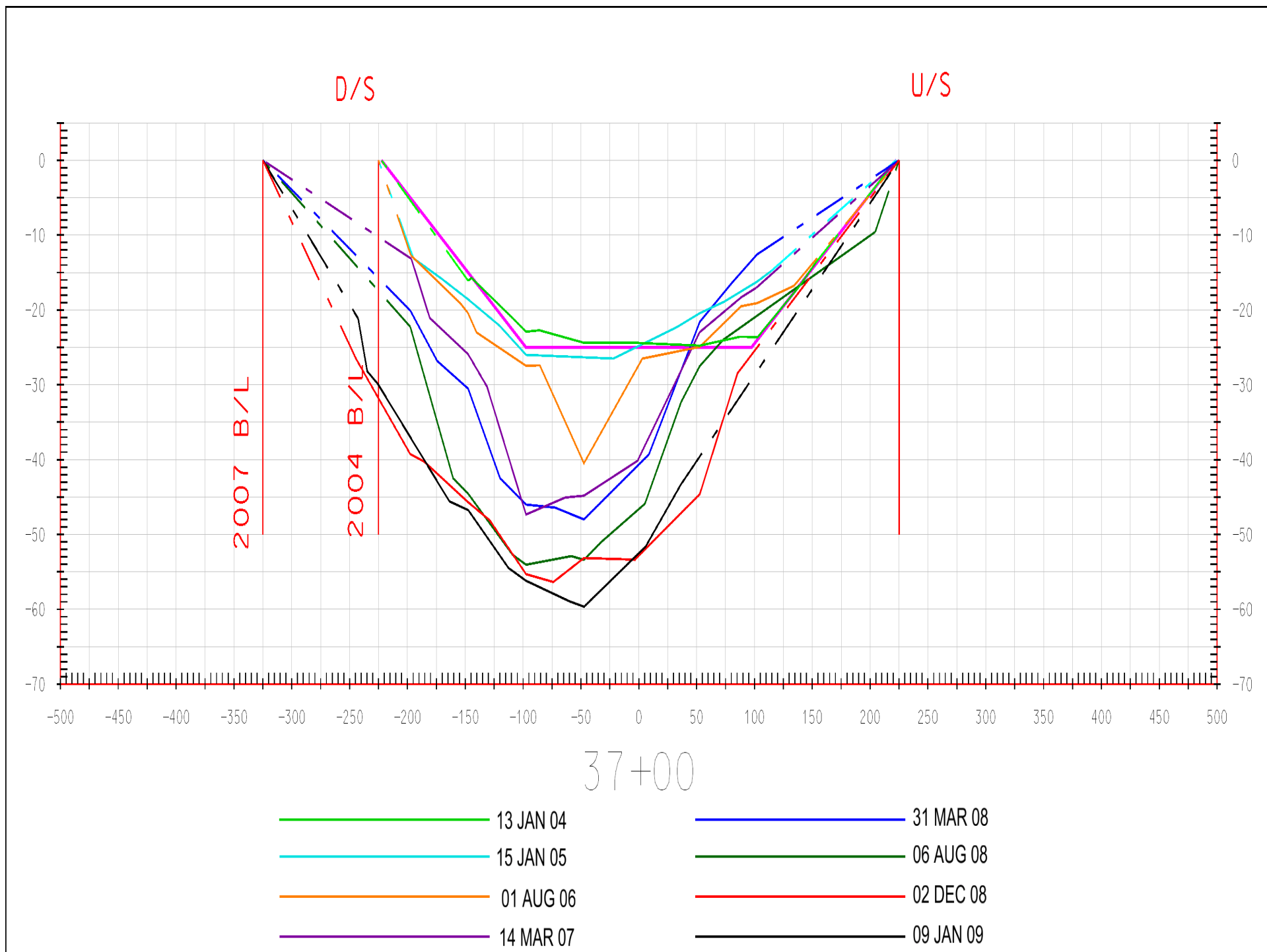
D/S

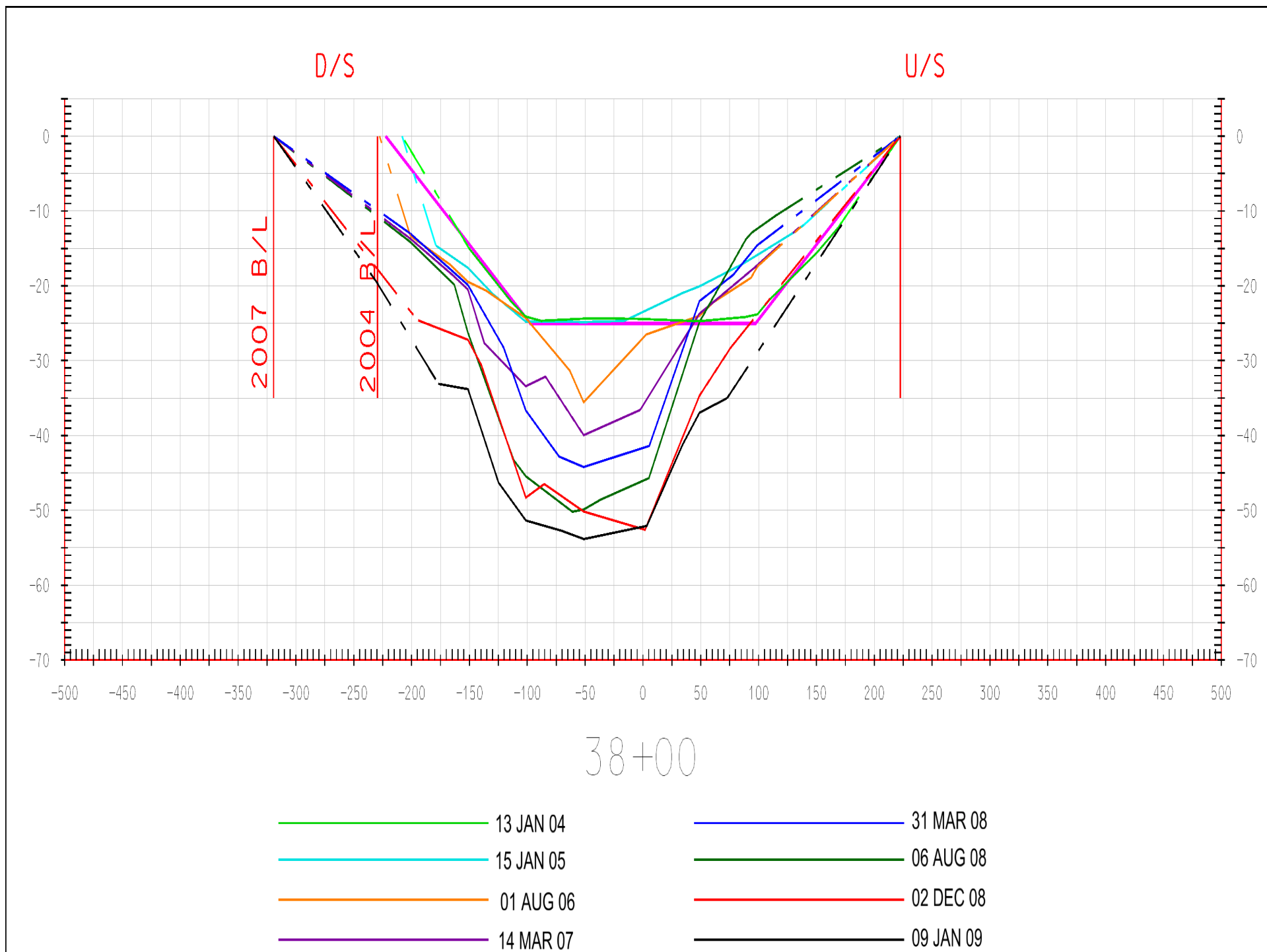
U/S



35+00

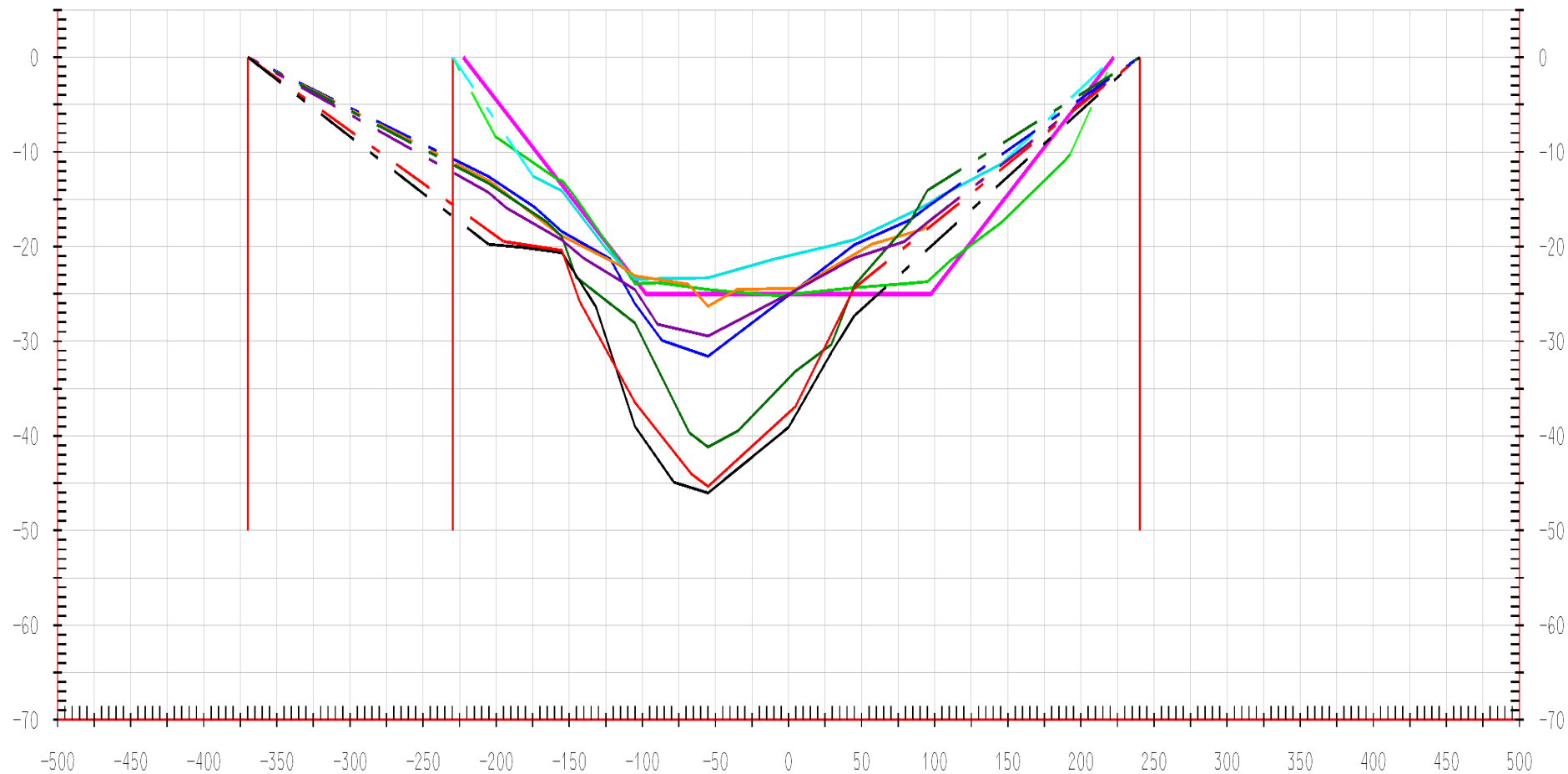




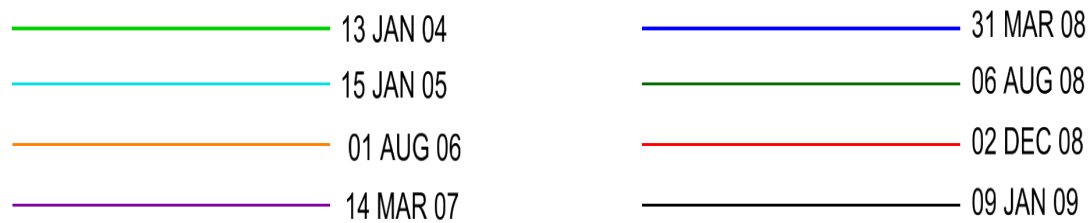


D/S

U/S

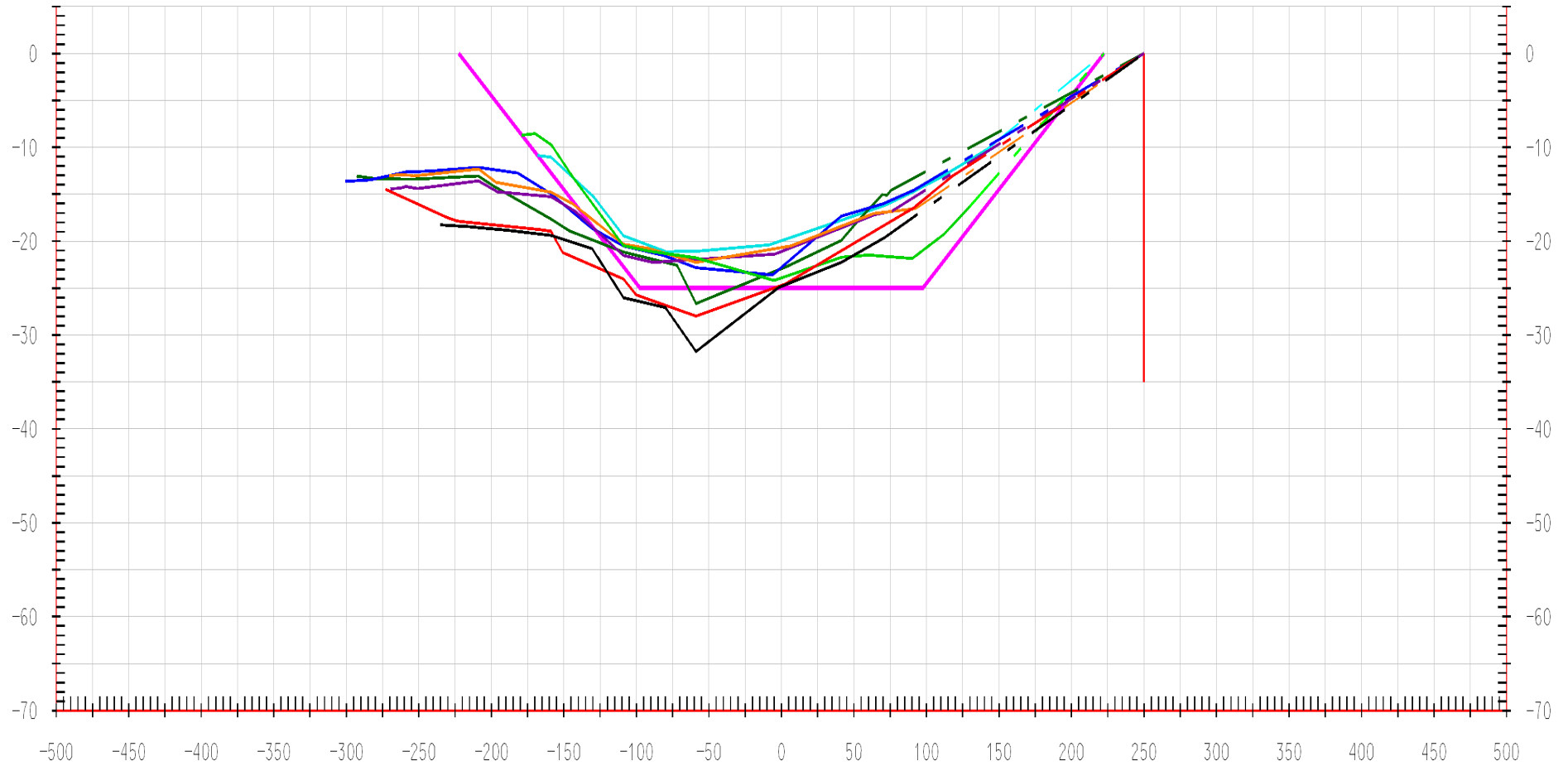


39+00



D/S

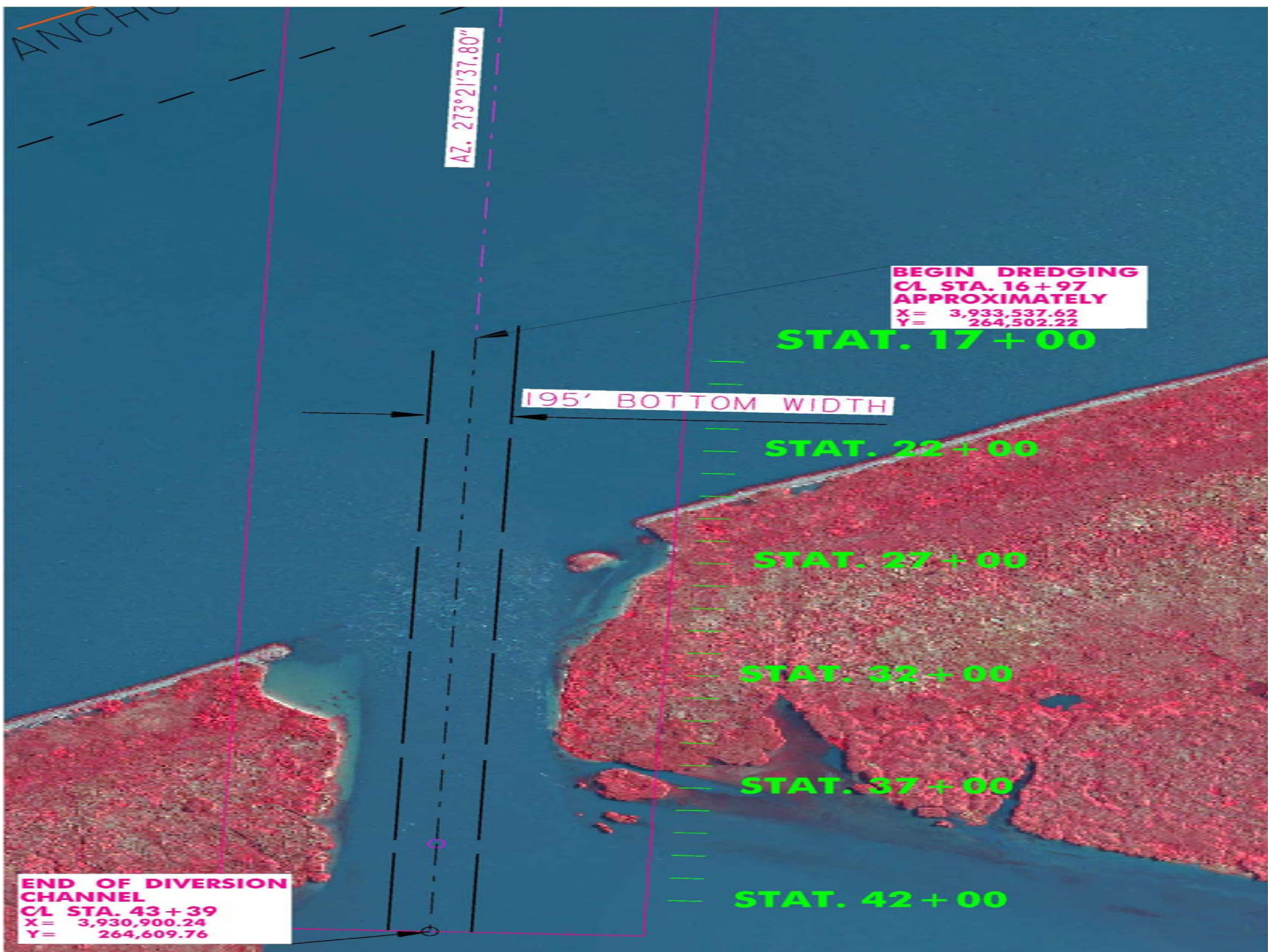
U/S



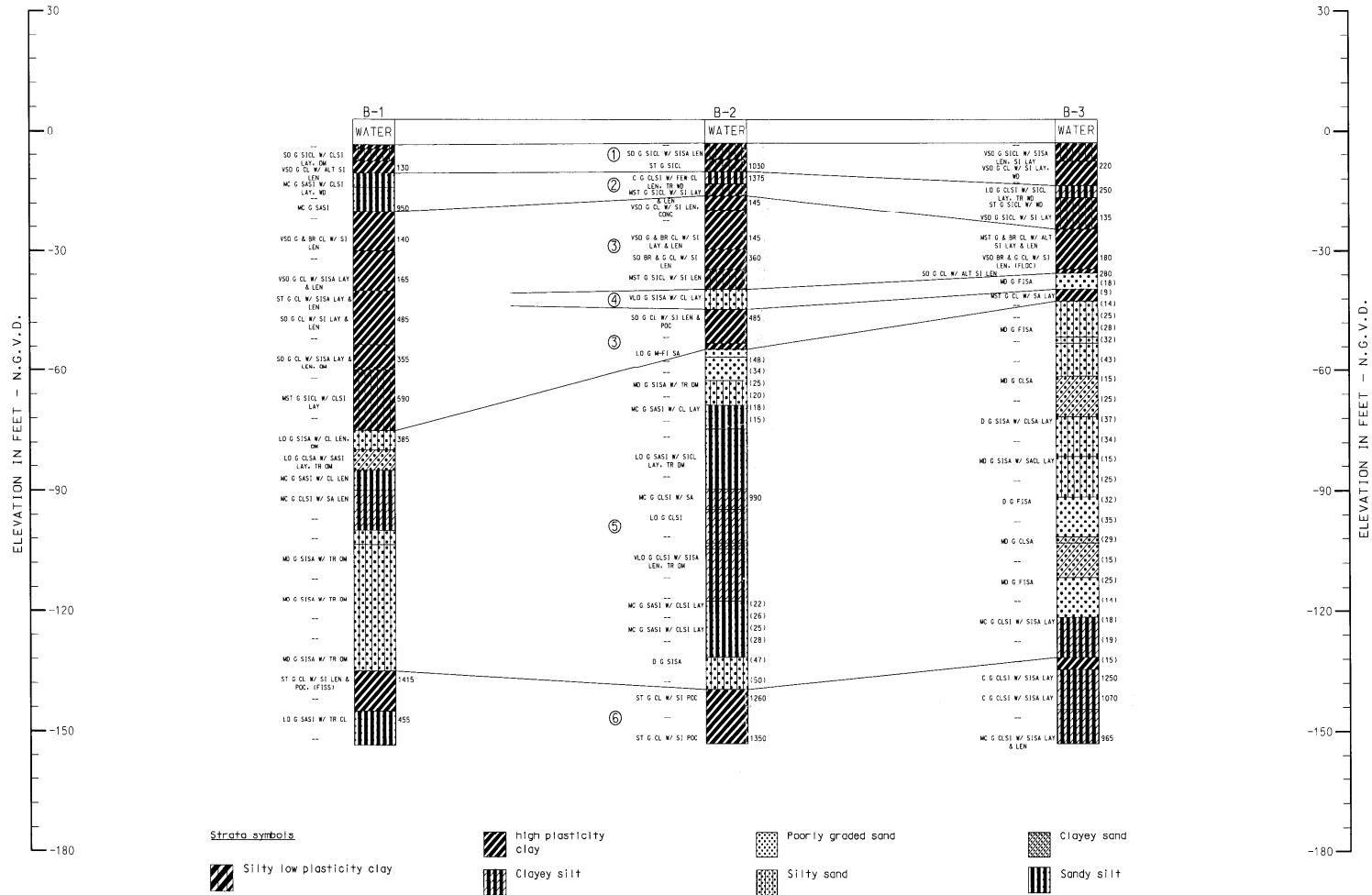
40+00

13 JAN 04
15 JAN 05
01 AUG 06
14 MAR 07

31 MAR 08
06 AUG 08
02 DEC 08
09 JAN 09




Survey Date:	January 2004	January 2009	% Increase
Station	Area	Area	
30+00	9,253	17,876	93%
31+00	8,494	19,207	126%
32+00	8,663	17,375	101%
33+00	8,429	17,578	109%
34+00	7,941	18,068	128%
35+00	8,059	19,873	147%
36+00	8,082	19,285	139%
37+00	7,807	18,422	136%
38+00	7,888	16,377	108%



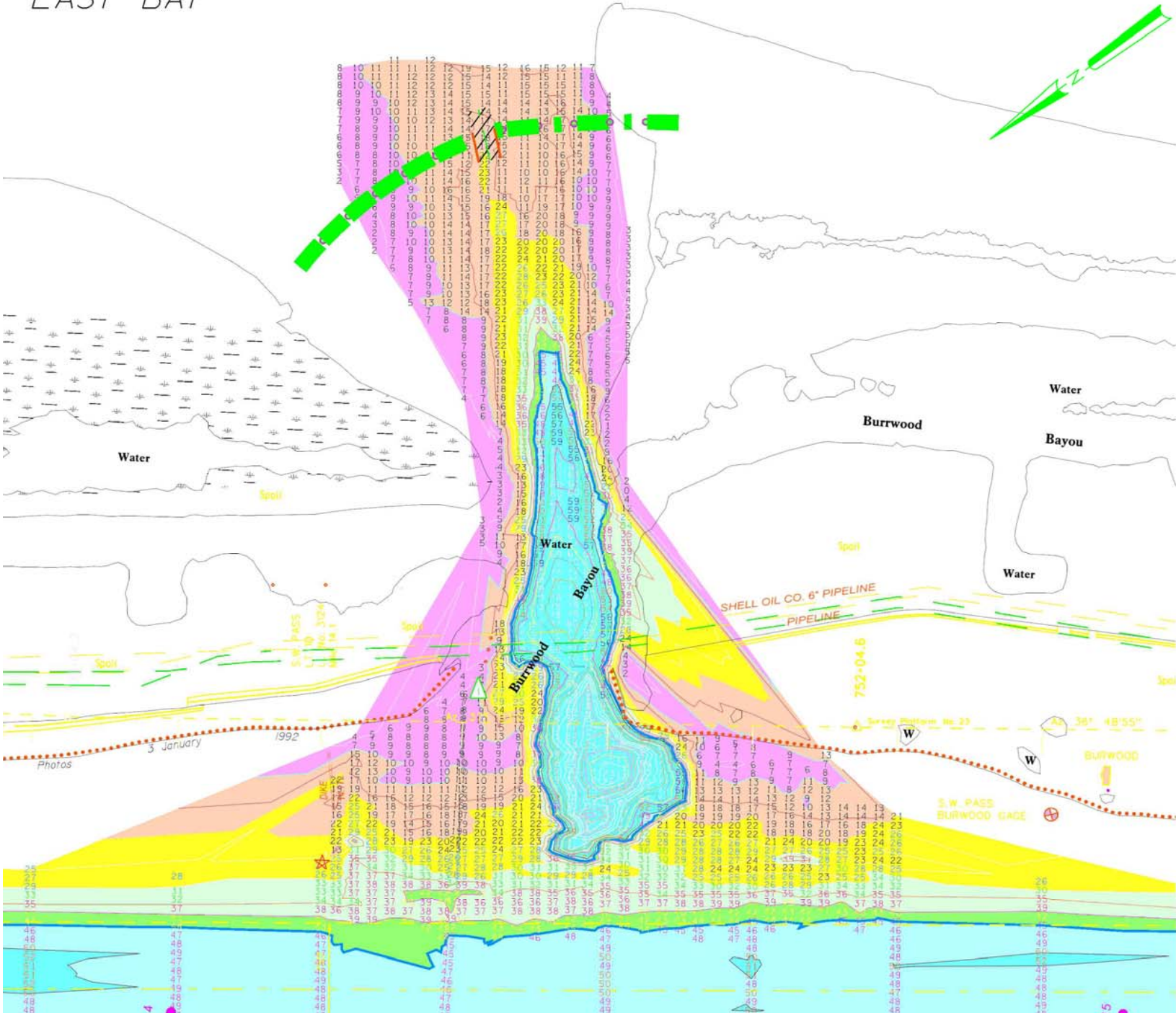
STRATUM NO.	LEGEND
①	VERY SOFT TO STIFF GRAY OR GRAY AND BROWN CLAY AND SILTY CLAY
②	LOOSE TO COMPACT GRAY SANDY SILT AND CLAYEY SILT AND VERY SOFT TO MEDIUM STIFF GRAY OR GRAY AND BROWN SILTY CLAY
③	VERY SOFT TO MEDIUM STIFF GRAY OR GRAY AND BROWN CLAY AND SILTY CLAY
④	VERY LOOSE TO MEDIUM DENSE GRAY SAND AND SILTY SAND
⑤	LOOSE TO DENSE GRAY SAND, SILTY SAND AND CLAYEY SAND INTERSPERSED WITH VERY LOOSE TO MEDIUM COMPACT GRAY SANDY SILT AND CLAYEY SILT
⑥	STIFF GRAY CLAY AND LOOSE TO COMPACT GRAY SANDY SILT AND CLAYEY SILT

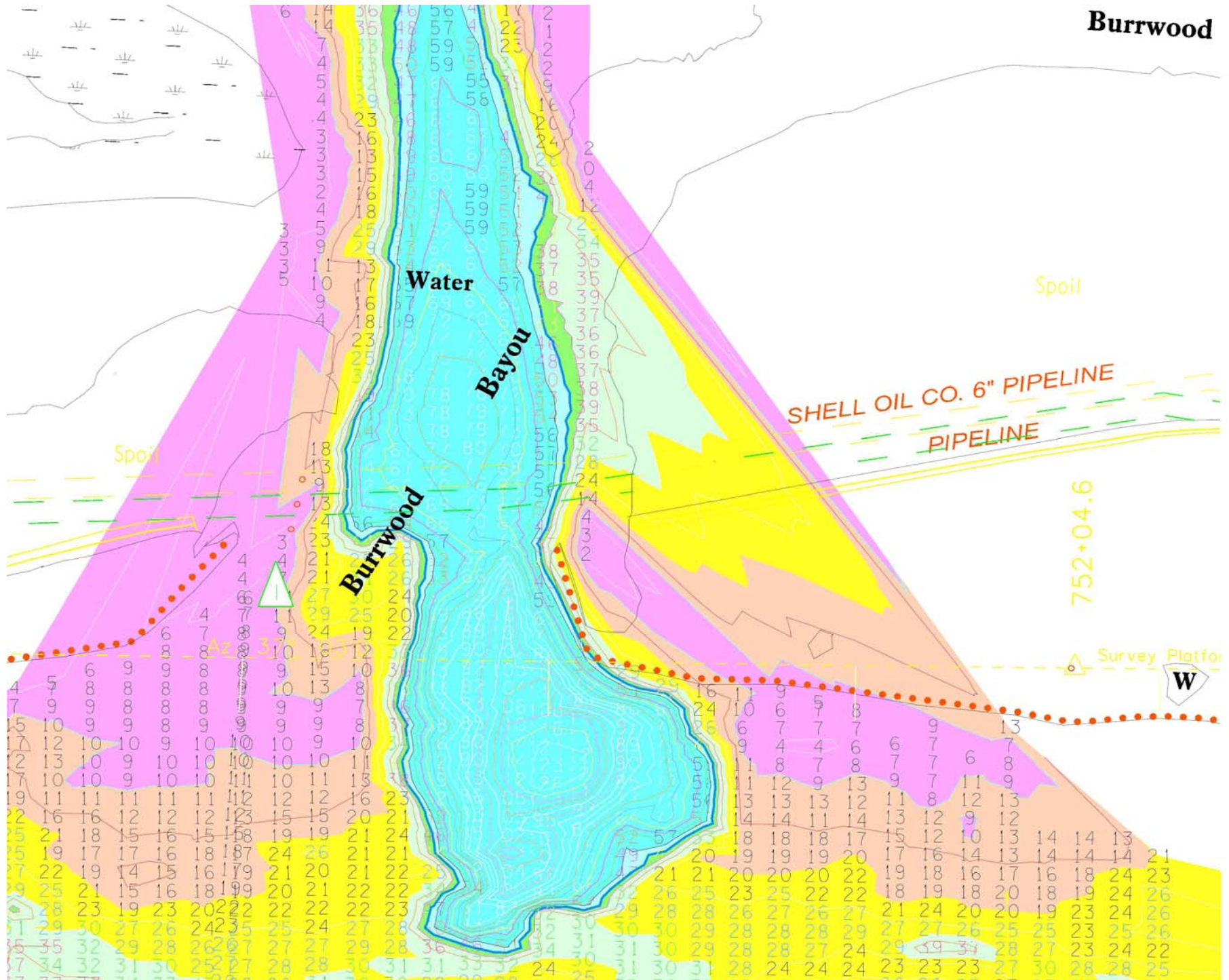
NOTE: NUMBER TO RIGHT OF BORING LOG INDICATES COHESION IN PSF. NUMBERS IN PARENTHESES INDICATE RESULTS OF STANDARD PENETRATION TEST.

 EUSTIS ENGINEERING COMPANY, INC. GEOTECHNICAL ENGINEERS 3011 28TH STREET METAIRIE, LOUISIANA		
SUBSOIL PROFILE CHEVRONTExaco DIRECTIONAL DRILL SITE MISSISSIPPI RIVER MILE 4.7 AHP VICINITY OF VENICE, LOUISIANA		
DRAWN BY: D. LAFONT CHECKED BY: J.R.E.	PLOT DATE: 19 JUNE 02 JOB NO.: 17413	CADD FILE: FIGURE 2.DGN FIGURE 2

Closure ?

EAST BAY





BURRWOOD BAYOU FLOW IN CFS

Date	Mississippi River at Tarbert Landing (2 day lag)	SW Pass above Burrwood Bayou	SW Pass below Burrwood Bayou	Burrwood Bayou (C - D)	Percent SW Pass (E/C)	
March 15, 2003	950,000	223,000	139,000	84,000	37.7%	
April 15, 2003	456,000	118,000	73,500	44,500	37.7%	
May 13, 2003	524,000	156,000	95,800	60,200	38.6%	
June 21, 2003	614,000	190,000	95,800	94,200	49.6%	
July 19, 2003	367,000	81,400	51,300	30,100	37.0%	
September 9, 2003	236,000	85,100	58,700	26,400	31.0%	note 1
January 16, 2004	574,000	93,700	48,000	45,700	48.8%	note 2
April 16, 2004	575,000	176,000	110,000	66,000	37.5%	note 3
May 12, 2004	700,000	120,000	99,600	24,900	20.8%	note 4
June 23, 2004	835,000	154,000	137,000	18,500	12.0%	note 4/5
August 4, 2004	383,000	83,000	64,300	14,600	17.6%	note 4

note 1 - falling tide

note 2 - GPS problems, bottom tracking used, measurements may be affected

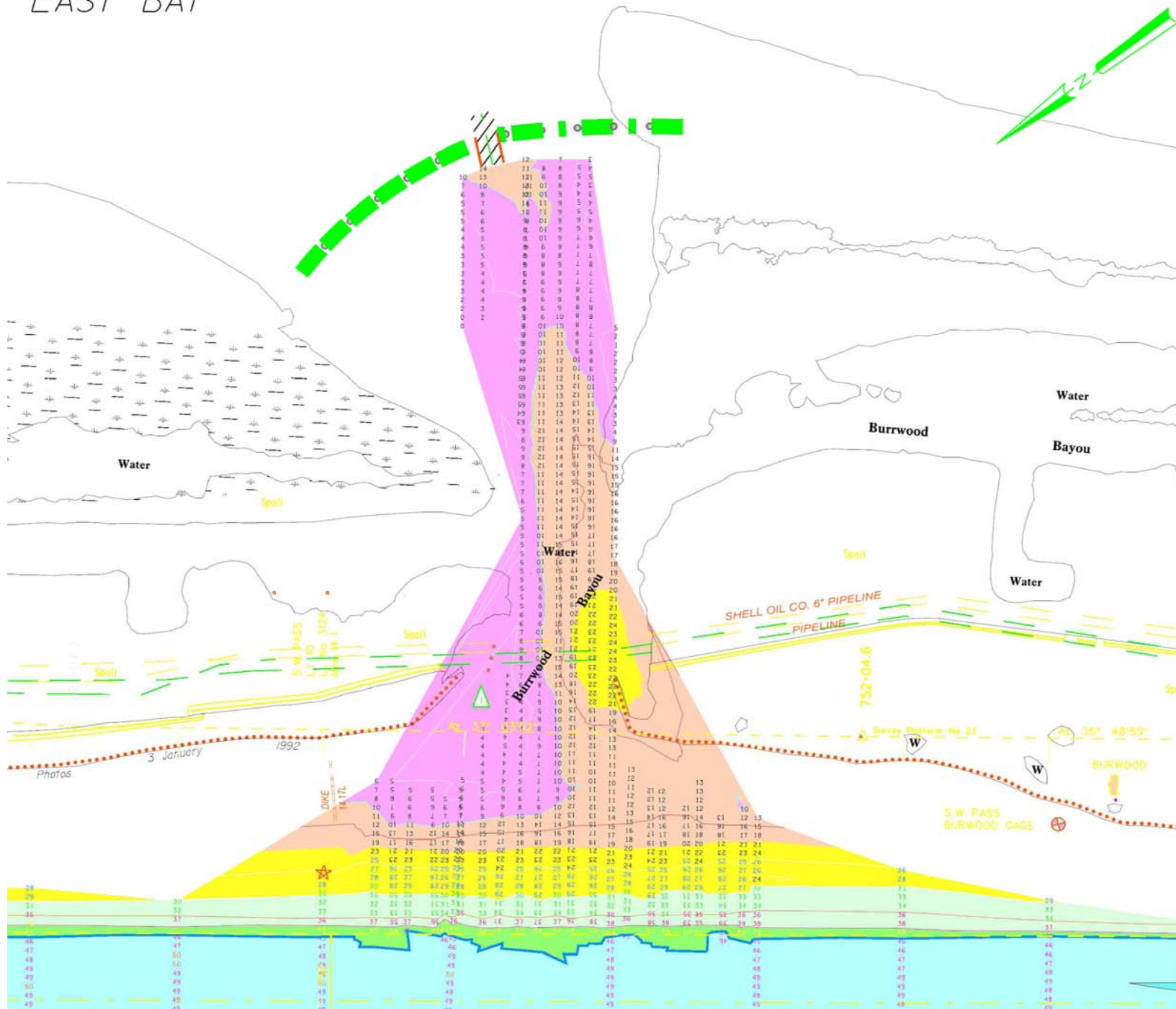
note 3 - Placement of Stone Commenced 15 April 2004

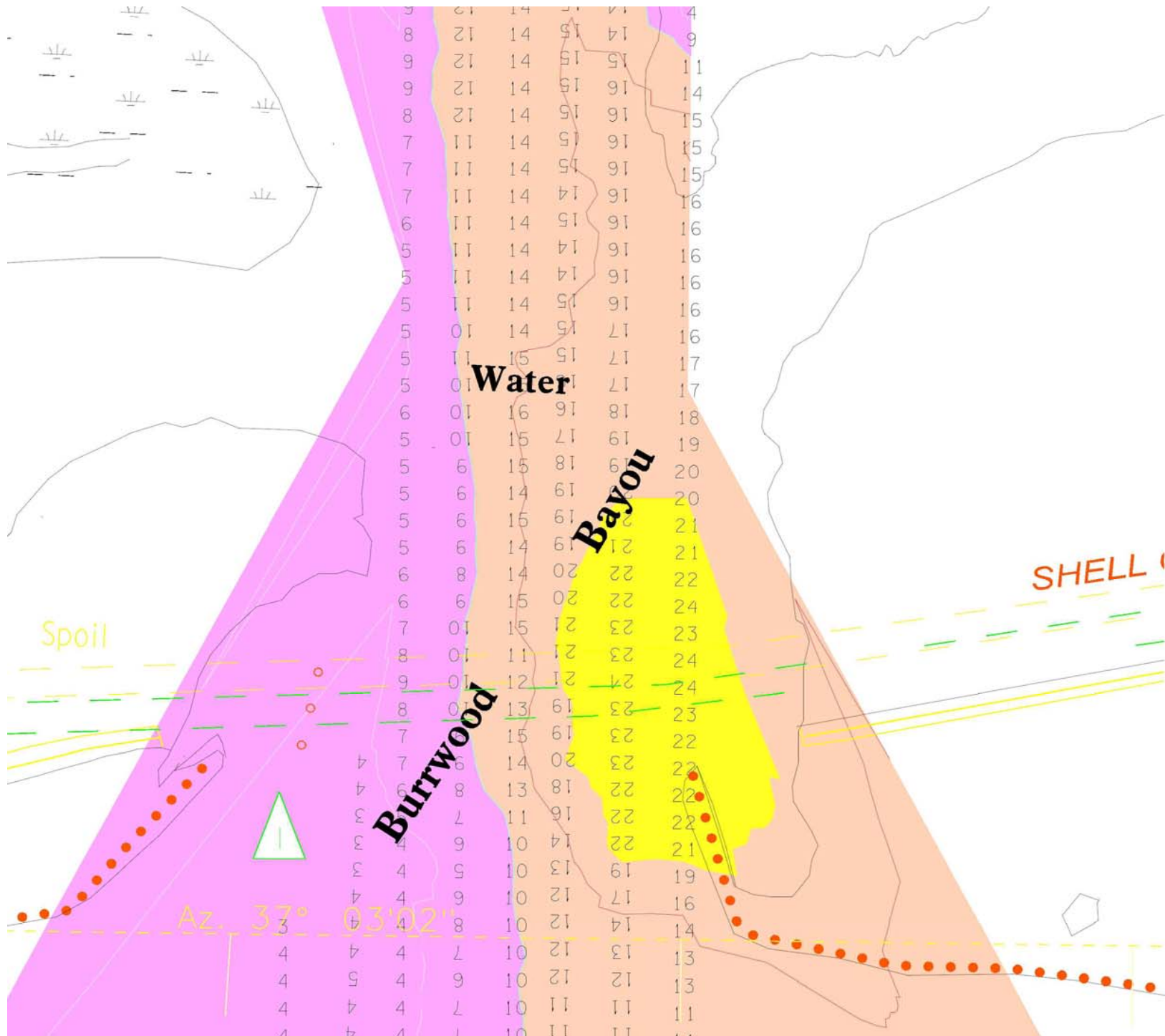
note 4 - actual measurement in Burrwood Bayou

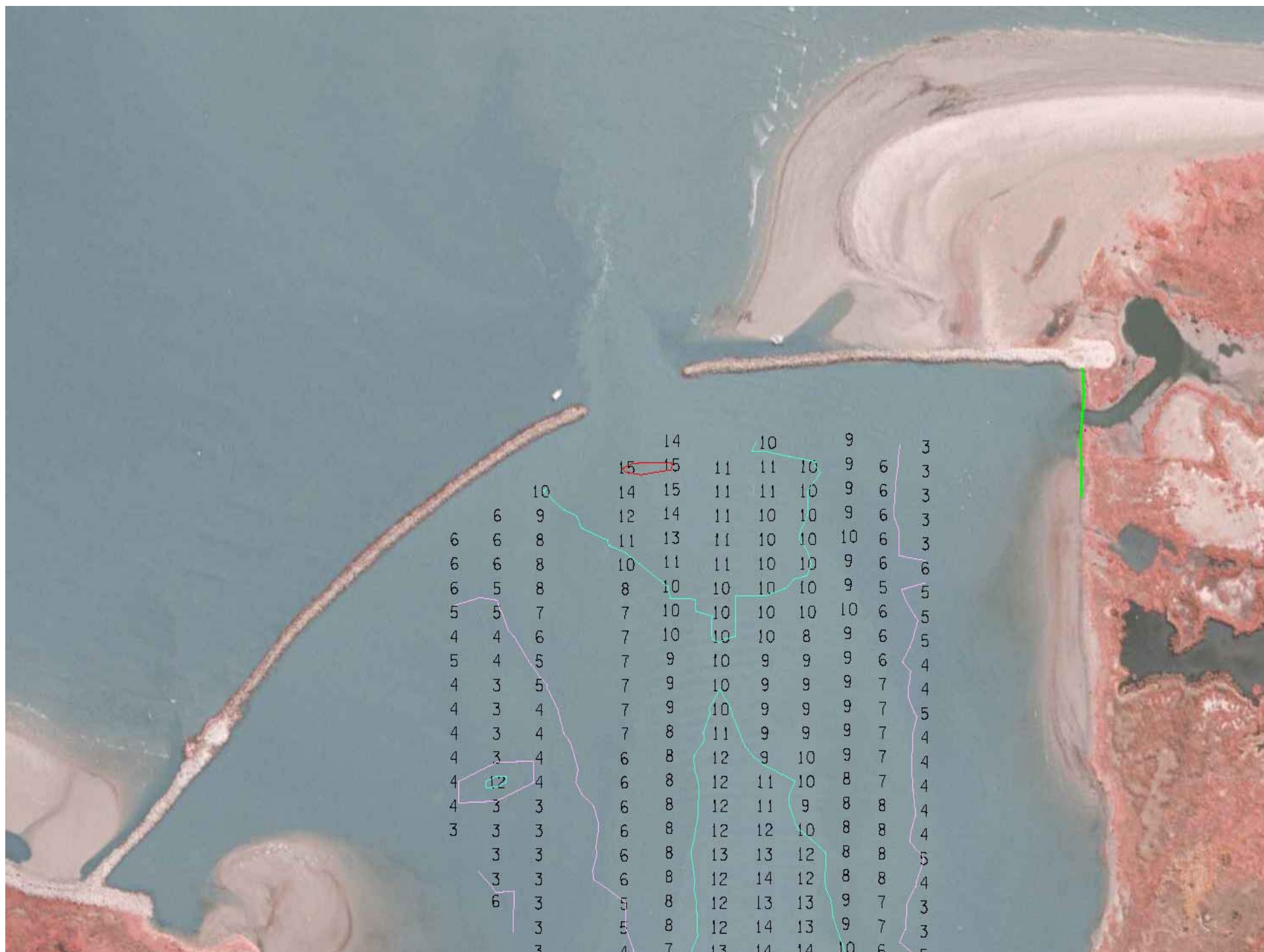
note 5 - Stone closure dike contract completed 29 May 2004



EAST BAY







bc080919.dgn

B1

B2

B3

MILE 5.0
A.H.P.

X= 3934745.64
Y= 266588.06

X= 3934717.08
Y= 264016.12

P.T. 2945+59.13
X= 3935763.67
Y= 264821.79

W-4.46-G X= 3935483.11
Y= 262475.86

RECENTLY CREATED
WETLAND AREA

bc080919.dgn

B1

B2

B3

5.0
A.H.P.

X= 3934745.64
Y= 266588.06

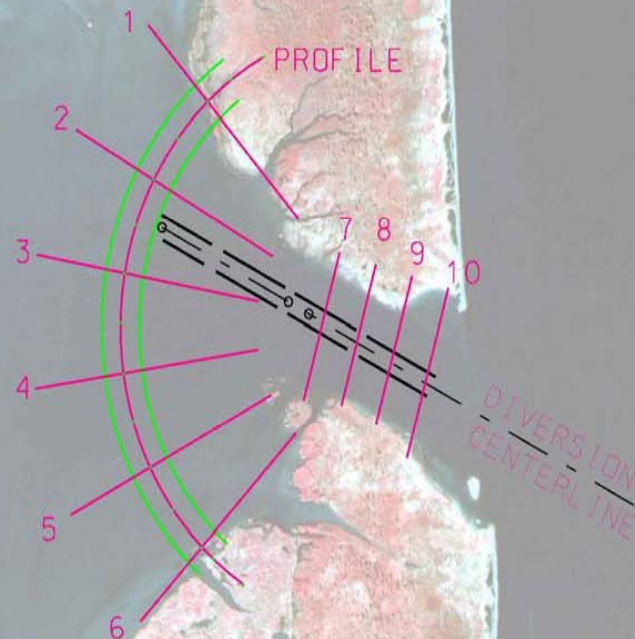
X= 3934717.03
Y= 264016.12

P.T. 2945+59.13
X= 3935763.67
Y= 264821.79

W-4.46-G X= 3935463.11
Y= 262475.86

RECENTLY CREATED
WETLAND AREA

1. SECTIONS 7 to 10 REQUIRE A WATER'S EDGE SHOT AND A TOP OF BANK SHOT ON BOTH BANKLINES.
2. SECTIONS 1 to 6 SURVEY LIMITS ARE DEFINED BY XY COORDINATES PROVIDED.
3. PROFILE ALIGNMENT DEFINED BY TANGENT COORDINATES PROVIDED.
4. PROFILE REQUIRES 200' OF OVBANK SURVEYS BEYOND TOP OF BANK AT EACH END.
5. VERTICAL CONTROL POINT WBD1 LOCATED 4190' U/S OF DIVERSION C/L.
VERTICAL CONTROL POINT WBD2 LOCATED 4660' D/S OF DIVERSION C/L.



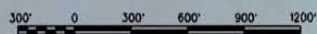
MISSISSIPPI RIVER

MILE 5.0
A.H.P.

CHANNEL C/L

DIVERSION
CENTERLINE

SCALE: 1" = 300'

[illegible]