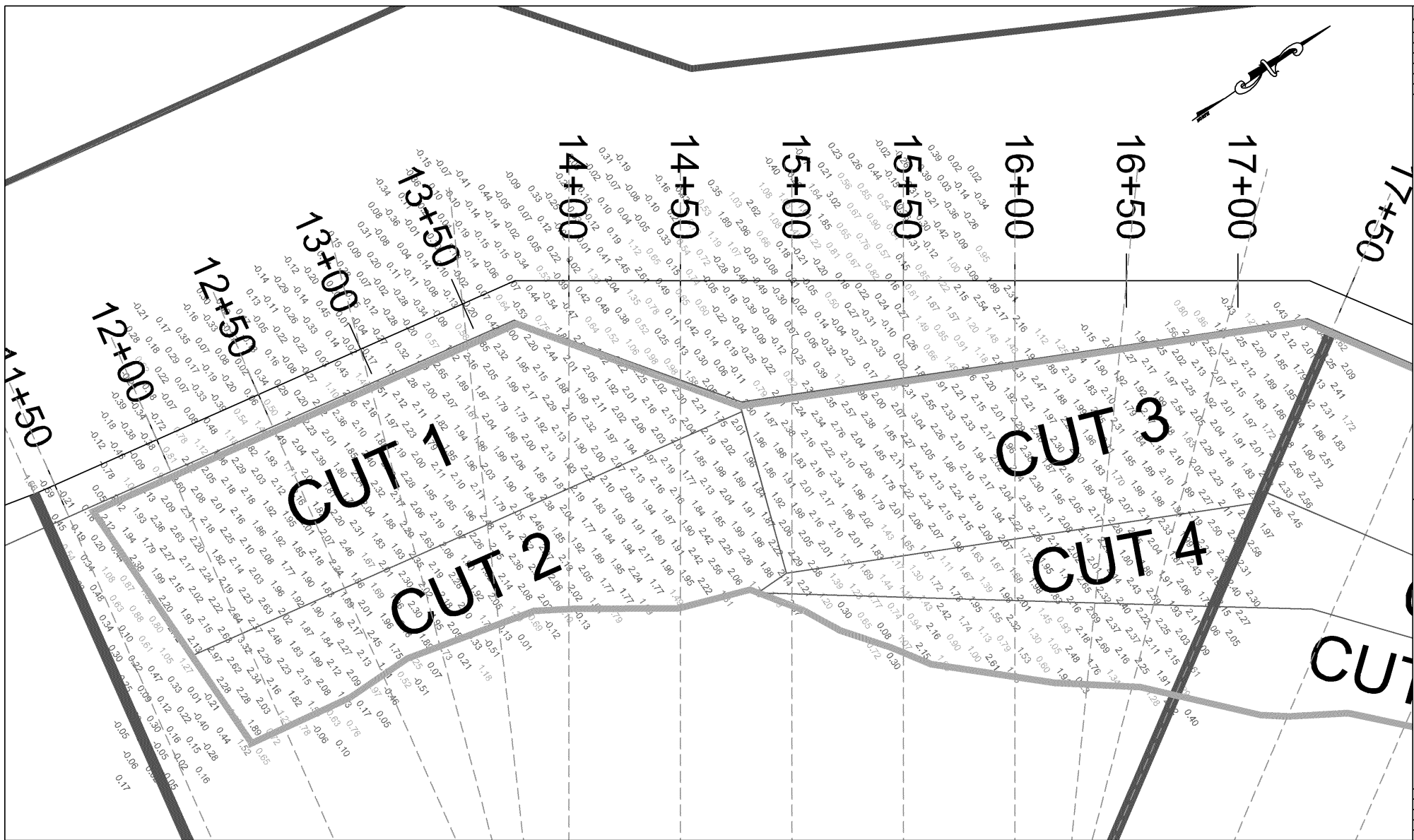


BD-CND DIFF
< 0.49'
0.50'-0.99'
1.00-1.24'
1.25'-1.49'
1.50'-1.74'
1.75'-2.33'
>= 2.34'

NOTES:
1. DEPTH CONTOURS IN NGVD29
2. 0.00 MLW = -1.811 NGVD29 @ BELLEVILLE, NJ
3. LANDWARD BOUNDARY OF DATASET CONTAINS TOPO SHOTS COLLECTED BY GLDD BETWEEN 8/22-8/23 USING TOTAL STATION
4. HYDROGRAPHIC DATA COLLECTED BY GLDD ON 8/22. HYDROGRAPHIC DATA COLLECTED ON 8/28 HAS BEEN MERGED WITH 8/22 DATA IN LOCATIONS WHERE GLDD PERFORMED CLEANUP WORK BETWEEN 8/22 & 8/28

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

OPERATOR / CONDITIONS	
SURVEY DATE:	AUG 22
ENGINEER / SURVEYOR:	JBM
SURVEY VESSEL:	THE NEWARK BAY
VESSEL OPERATOR:	JOE C
WEATHER:	CLOUDY/RAINY
TEMPERATURE:	80-85 F
WIND:	5-10 Kts SW
SEA:	0 FEET

ELECTRONIC EQUIPMENT	
PATHFINDER:	ODOM HYDROTRAC
FREQUENCY(ies):	200 KHZ
HEAVE COMP.:	N/A
SOS (avg):	4896FPS
POSITIONING:	TRIMBLE 855 RTK
BASE LOCATION:	WBA,7
TIDE GAUGE:	N/A
	RTK TIDE USED

PROJECT DETAILS	
HORIZONTAL DATUM:	NAD83
LOCAL GRID:	NEW JERSEY
VERTICAL DATUM:	NGVD29
UNITS HORIZ. / VERT.:	US SURVEY FT
SURVEY/PROJ. CONTROL POINT:	X=
	Y=
	Z=
SURVEY/PROJ. BENCH MARK:	X=
	Y=
	Z=
TIDE STAFF LOCATION:	DELESSA BRIDGE

REVISIONS

DESCRIPTION	DATE

GREAT LAKES DREDGE AND DOCK COMPANY, LLC
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630.574-3000 Fax: 630.574-1515

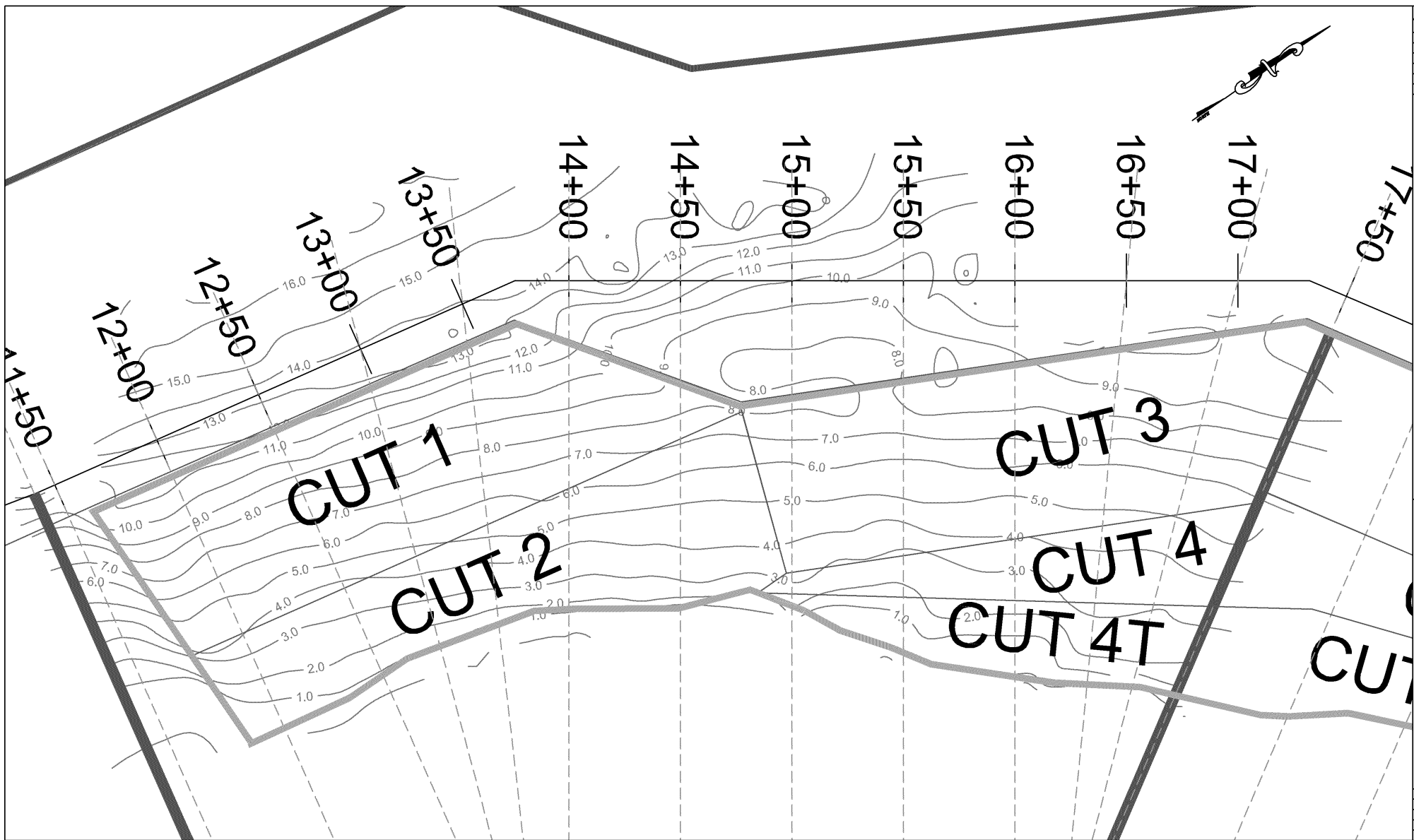
PROJECT
LOWER PASSAIC RIVER, NJ
STUDY AREA PROJECT, RIVER MILE 10.9

TITLE/SURVEY TITLE
AS1 POST DREDGE DIFFERENCE MAP

SCALE:	1=40
DATE:	AUG 28, 2013
DRAWING NO:	15368
CHECKING NO:	NA
FILE NAME:	
DRAWN BY:	J. MILLER III
APPROVED BY:	C. BENER

PAGE 01 OF 01 PAGES

FOIA_07123_0002571_0001



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

NOTES:
1. DEPTH CONTOURS IN NGVD29
2. 0.00 MLW = -1.811 NGVD29 @ BELLEVILLE, NJ
3. LANDWARD BOUNDARY OF DATASET CONTAINS TOPO SHOTS COLLECTED BY GLDD BETWEEN 8/22-8/23 USING TOTAL STATION
4. HYDROGRAPHIC DATA COLLECTED BY GLDD ON 8/22. HYDROGRAPHIC DATA COLLECTED ON 8/28 HAS BEEN MERGED WITH 8/22 DATA IN LOCATIONS WHERE GLDD PERFORMED CLEANUP WORK BETWEEN 8/22 & 8/28

OPERATOR / CONDITIONS	
SURVEY DATE:	AUG 22
ENGINEER / SURVEYOR:	JBM
SURVEY VESSEL:	THE NEWARK BAY
VESSEL OPERATOR:	JOE C.
WEATHER:	CLOUDY/RAINY
TEMPERATURE:	80-85 F
WIND:	5-10 Kts SW
SEA:	0 FEET

ELECTRONIC EQUIPMENT	
FATHOMETER:	ODOM HYDROTRAC
FREQUENCY(ies):	200 KHZ
HEAVE COMP.:	N/A
SOS (avg):	4892FPS
POSITIONING:	TRIMBLE 855 RTK
BASE LOCATION:	WBA,7
TIDE GAUGE:	N/A
	RTK TIDE USED

PROJECT DETAILS	
HORIZONTAL DATUM:	NAD83
LOCAL GRID:	NEW JERSEY
VERTICAL DATUM:	NGVD29
UNITS HORIZ. / VERT.:	US SURVEY FT
SURVEY/PROJ. CONTROL POINT:	X=
	Y=
	Z=
SURVEY/PROJ. BENCH MARK:	X=
	Y=
	Z=
TIDE STAFF LOCATION:	DELESSA BRIDGE

REVISIONS

DESCRIPTION	DATE

GREAT LAKES DREDGE AND DOCK COMPANY, LLC
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630.574-3000 Fax: 630.574-1515

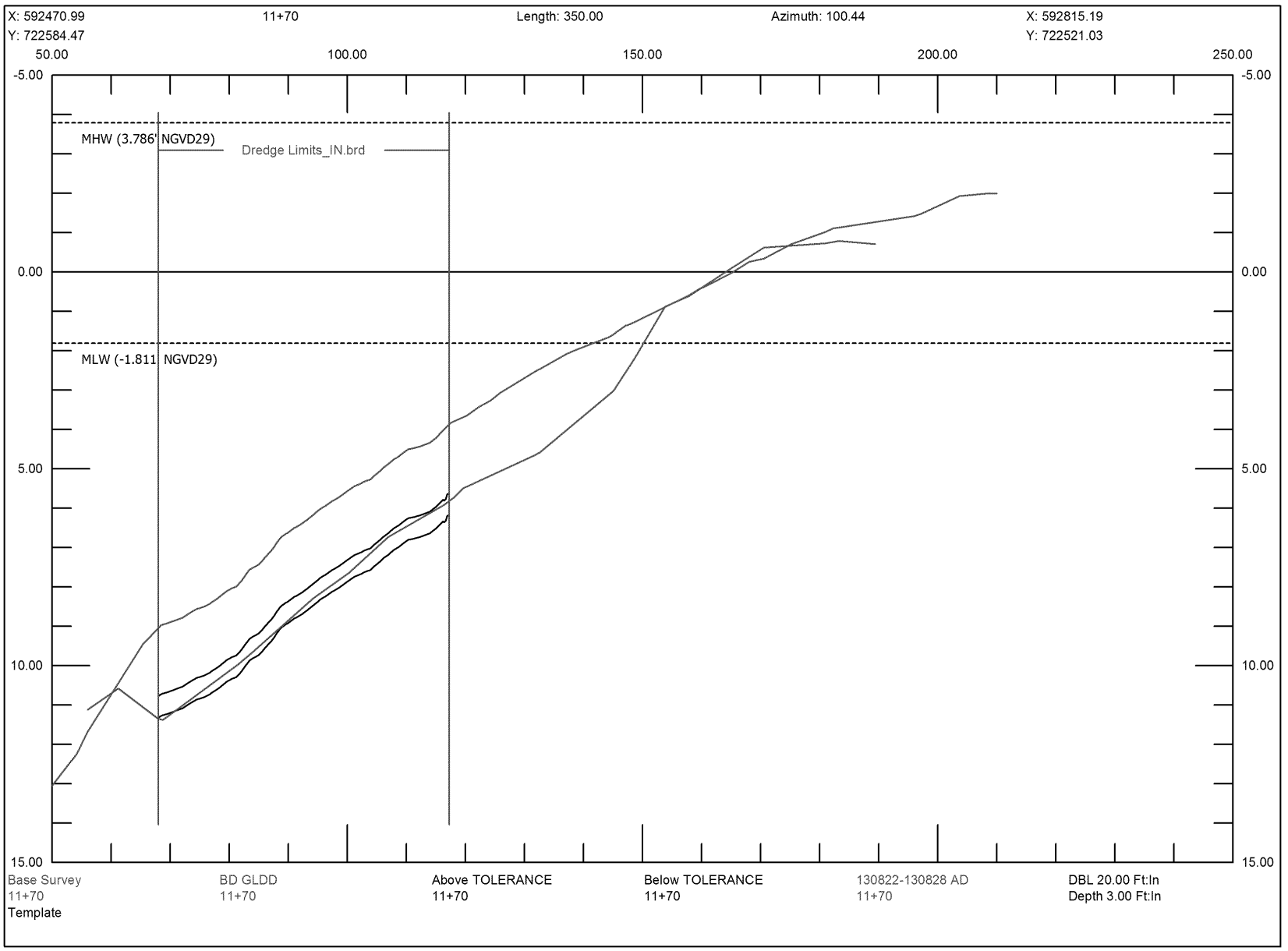
PROJECT
LOWER PASSAIC RIVER, NJ
STUDY AREA PROJECT, RIVER MILE 10.9

TITLE/SURVEY TITLE
AS1 AD CONTOUR MAP

SCALE:	1=0
DATE:	AUG 28, 2013
DRAWING NO:	1538B
SPECIFICATION NO:	N/A
FILE NAME:	
DESIGNED BY:	C. BENER
APPROVED BY:	C. BENER

PAGE 01 OF 01 PAGES

FOIA_07123_0002571_0002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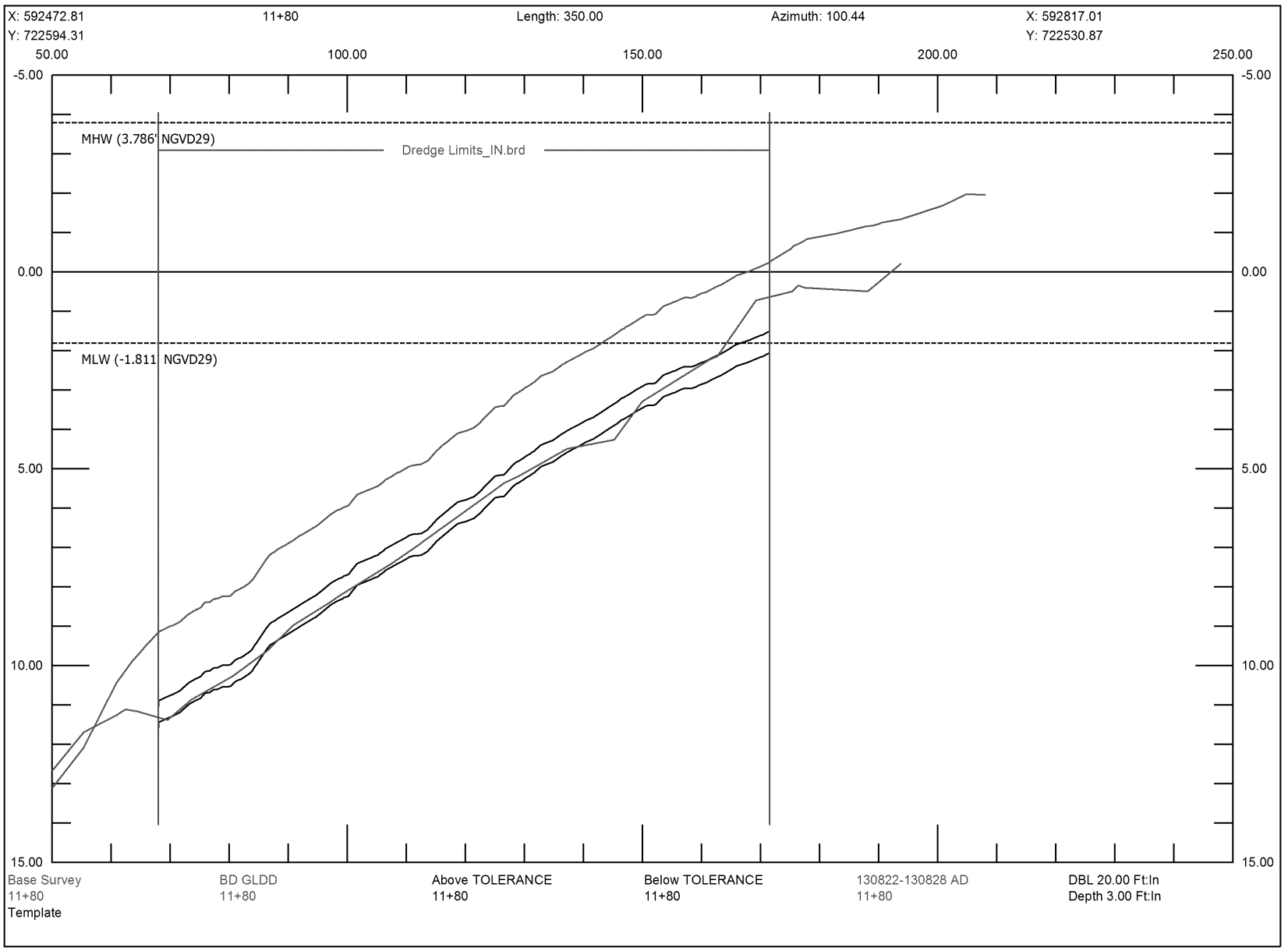
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
11+70
Template
BD GLDD
11+70
Above TOLERANCE
11+70
Below TOLERANCE
11+70
130822-130828 AD
11+70
DBL 20.00 Ft:In
Depth 3.00 Ft:In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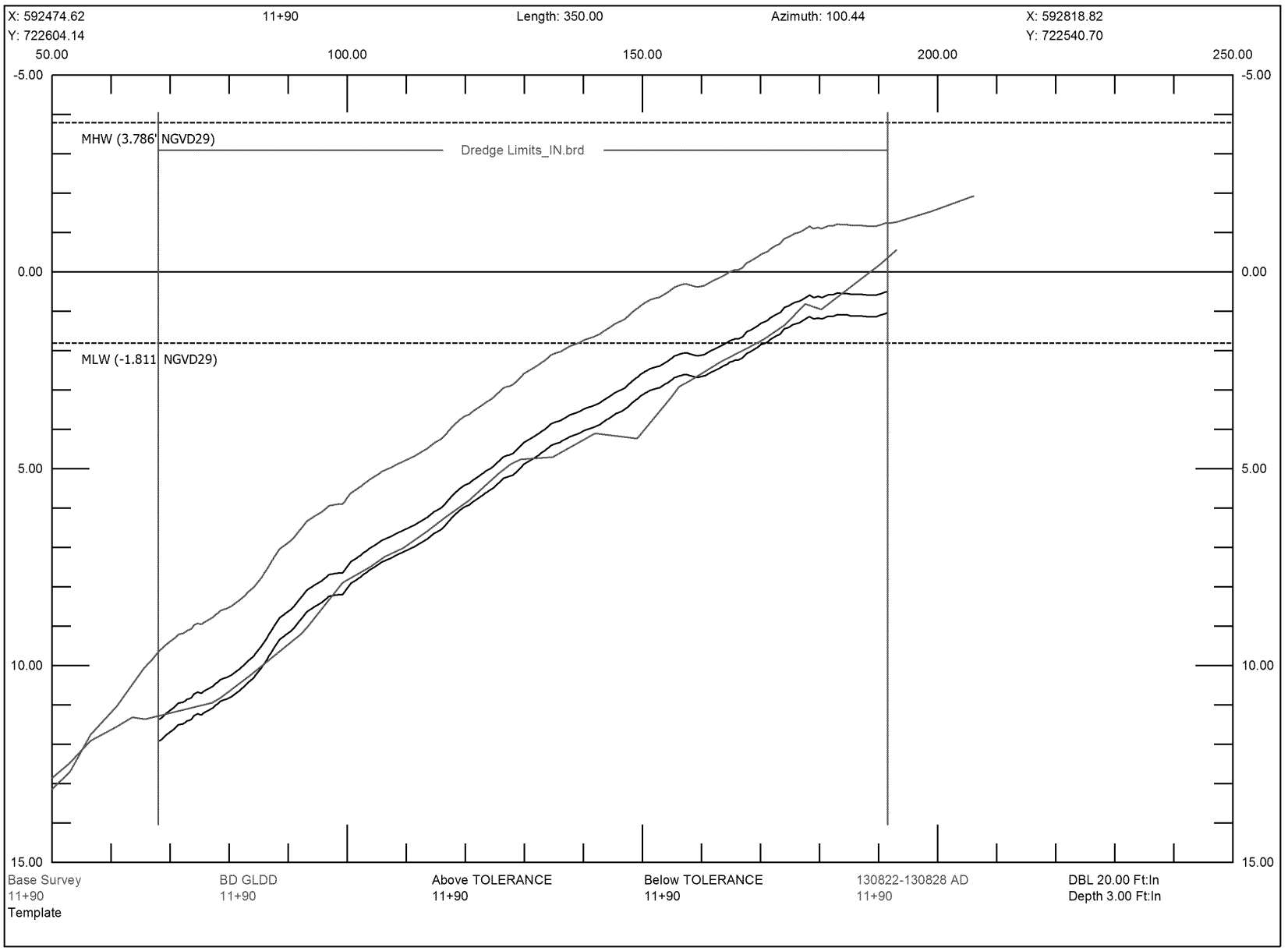
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
11+80
Template
BD GLDD
11+80
Above TOLERANCE
11+80
Below TOLERANCE
11+80
130822-130828 AD
11+80
DBL 20.00 Ft:In
Depth 3.00 Ft:In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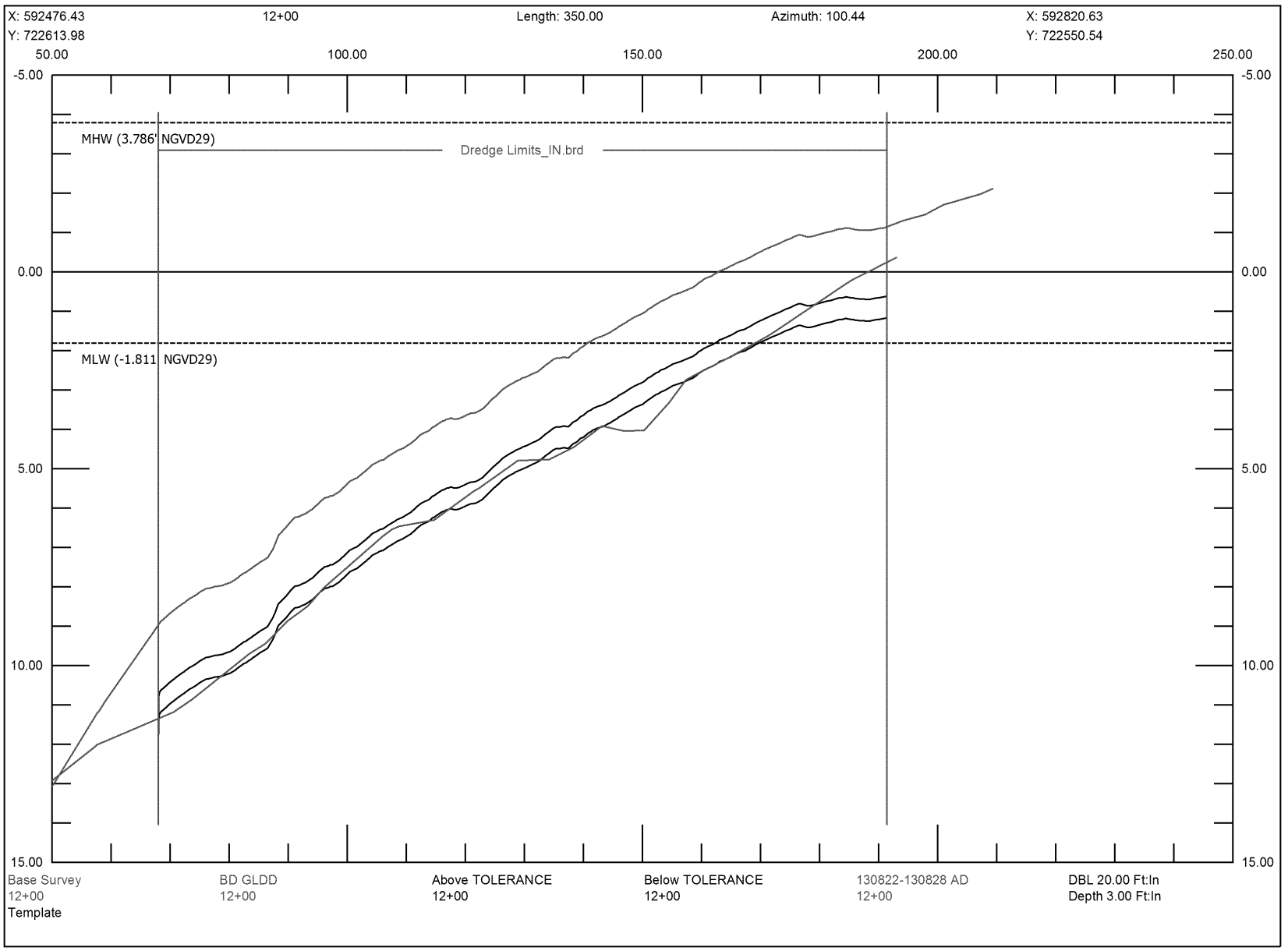
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
11+90
Template
BD GLDD
11+90
Above TOLERANCE
11+90
Below TOLERANCE
11+90
130822-130828 AD
11+90
DBL 20.00 Ft:In
Depth 3.00 Ft:In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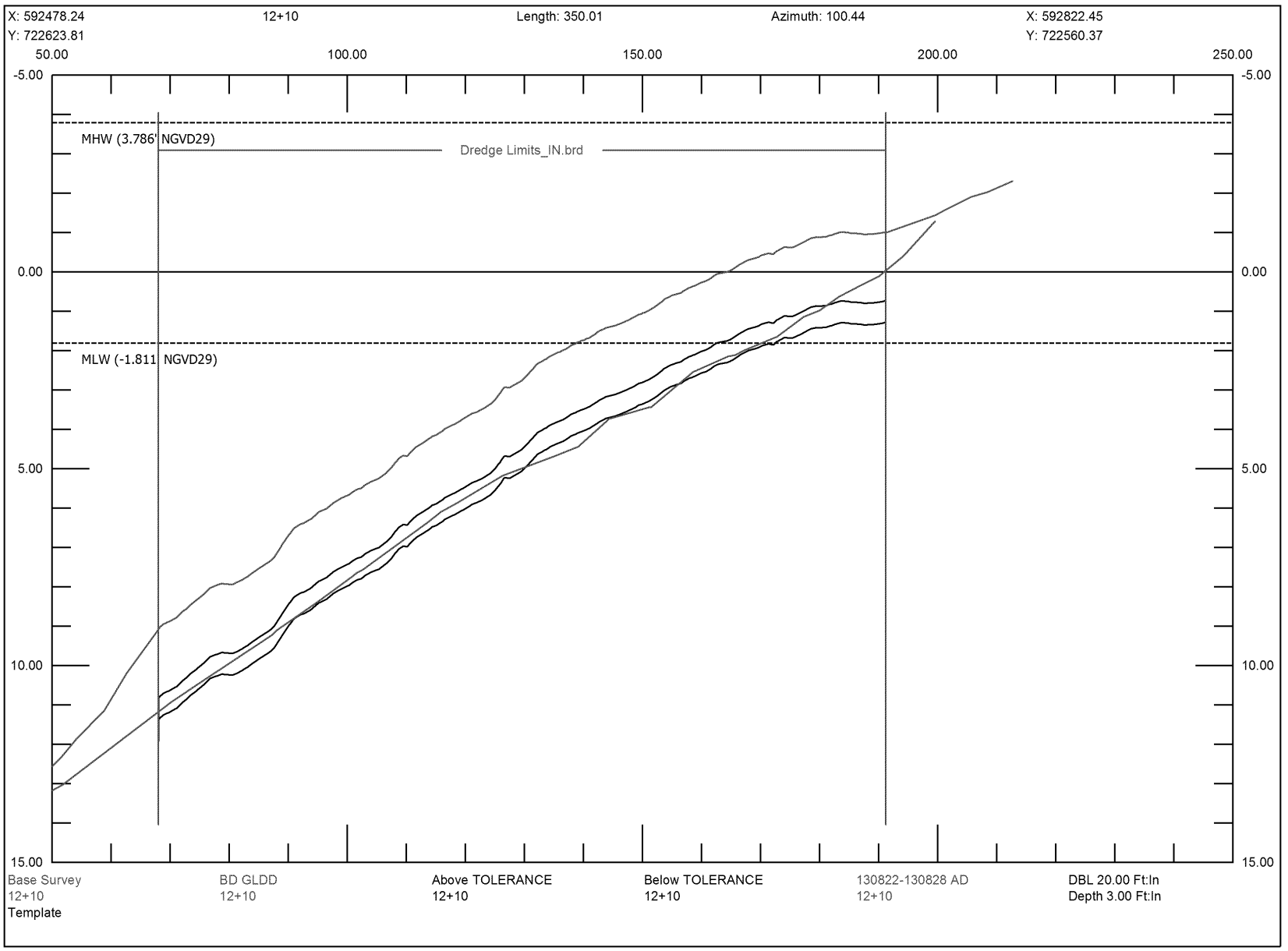
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+00
Template
BD GLDD
12+00
Above TOLERANCE
12+00
Below TOLERANCE
12+00
130822-130828 AD
12+00
DBL 20.00 Ft:In
Depth 3.00 Ft:In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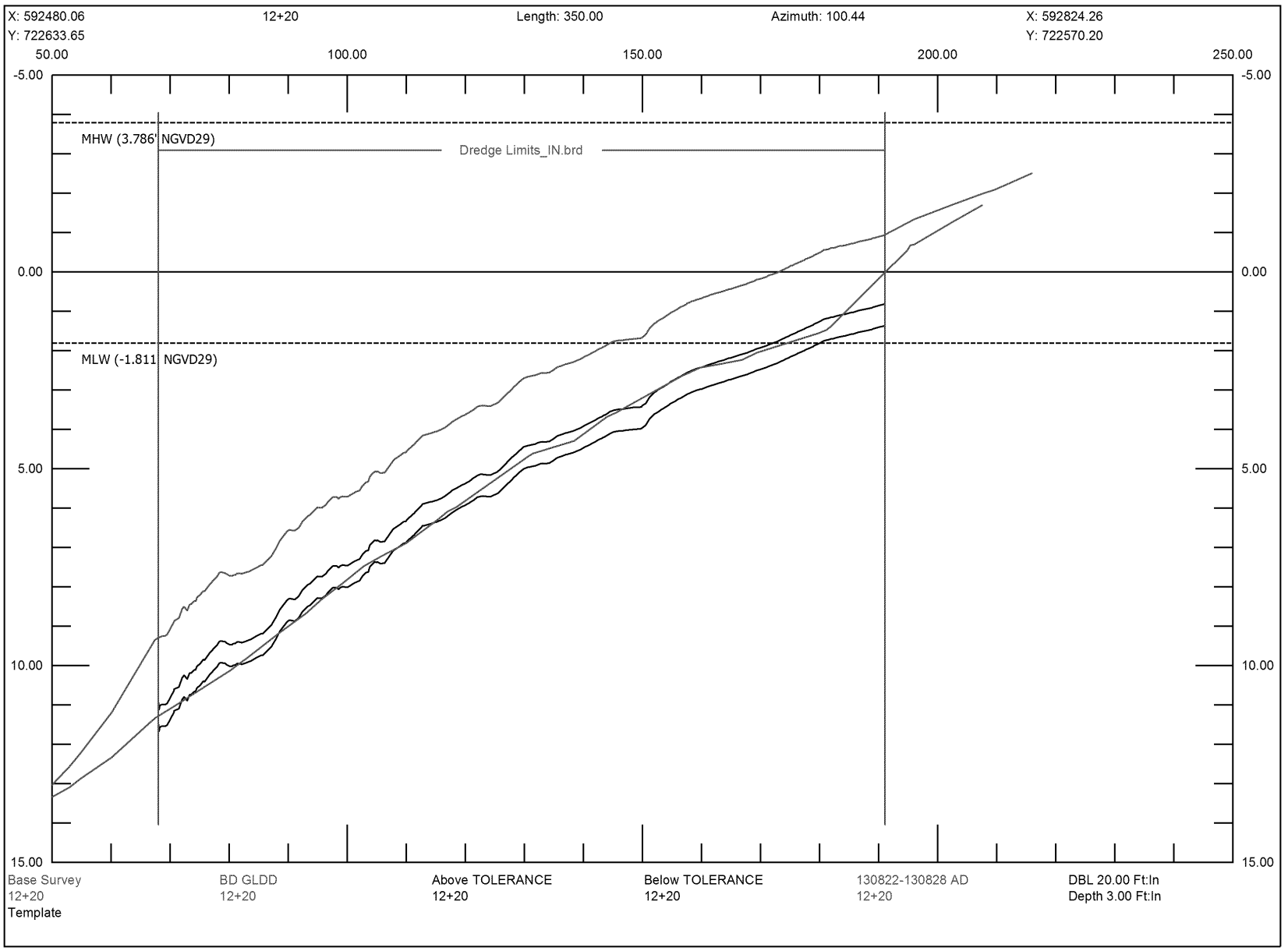
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+10
Template
BD GLDD
12+10
Above TOLERANCE
12+10
Below TOLERANCE
12+10
130822-130828 AD
12+10
DBL 20.00 Ft:In
Depth 3.00 Ft:In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250.00
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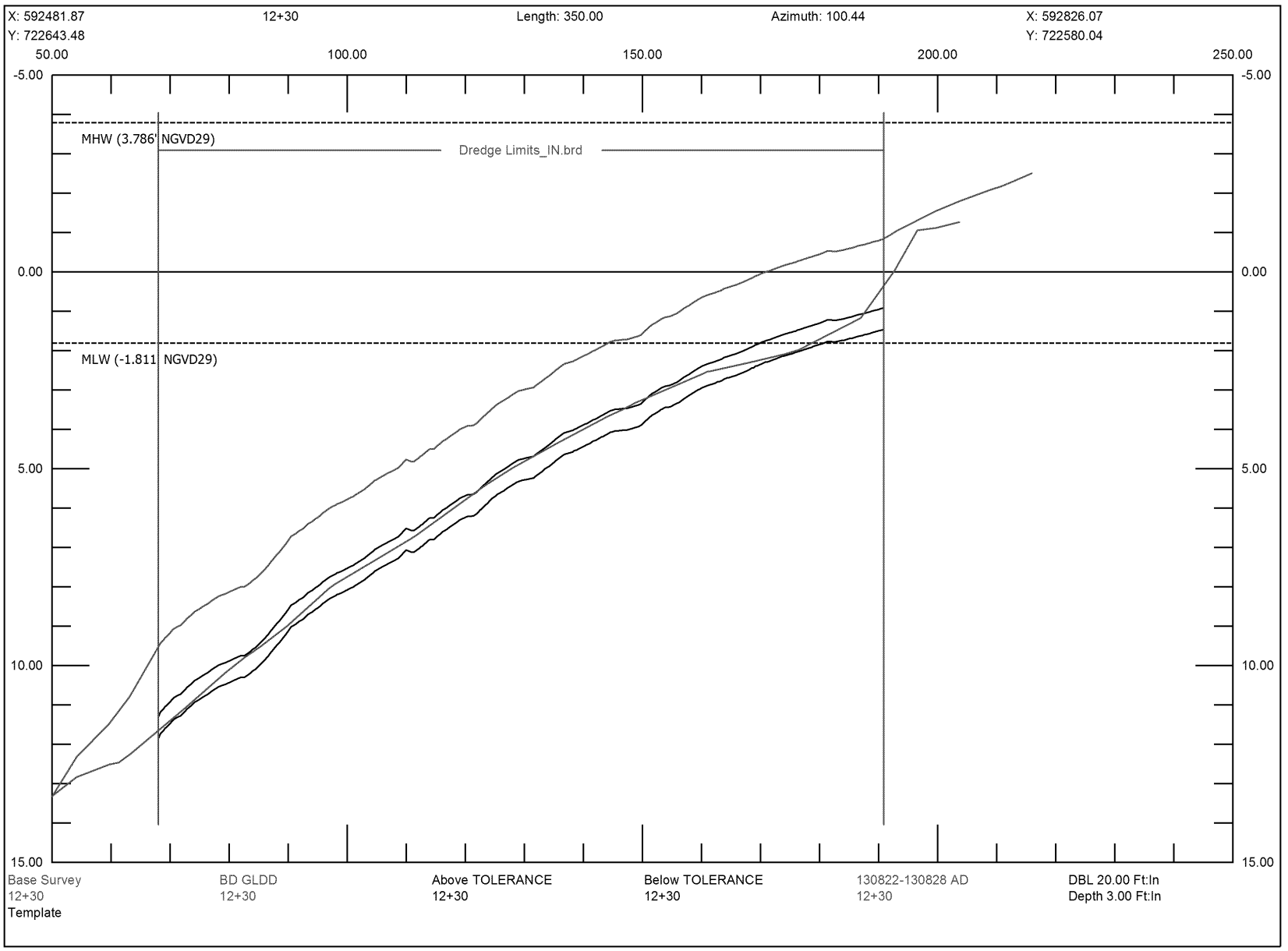
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+20
Template
BD GLDD
12+20
Above TOLERANCE
12+20
Below TOLERANCE
12+20
130822-130828 AD
12+20
DBL 20.00 Ft:In
Depth 3.00 Ft:In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250.00
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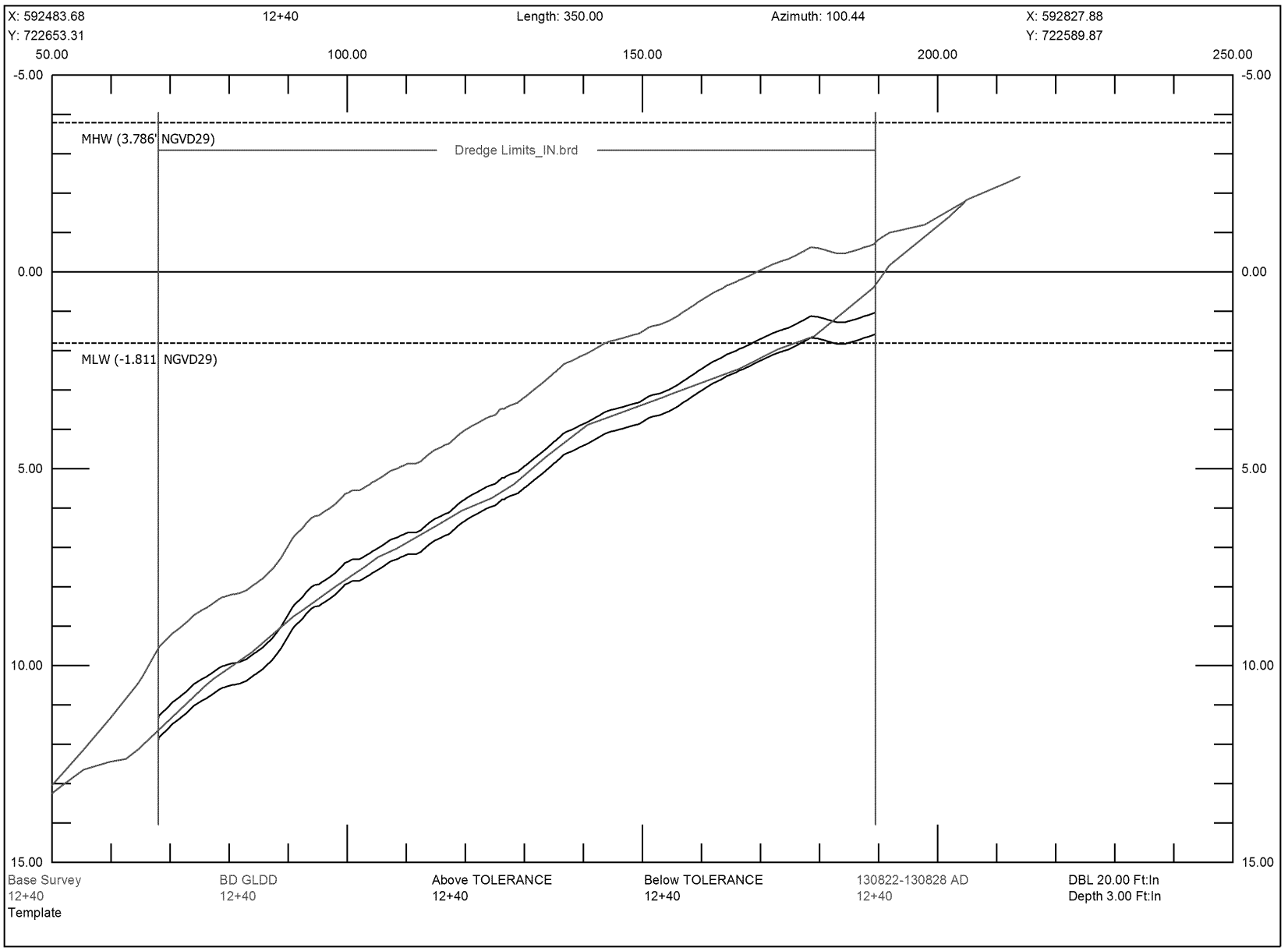
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+30
Template
BD GLDD
12+30
Above TOLERANCE
12+30
Below TOLERANCE
12+30
130822-130828 AD
12+30
DBL 20.00 Ft:In
Depth 3.00 Ft:In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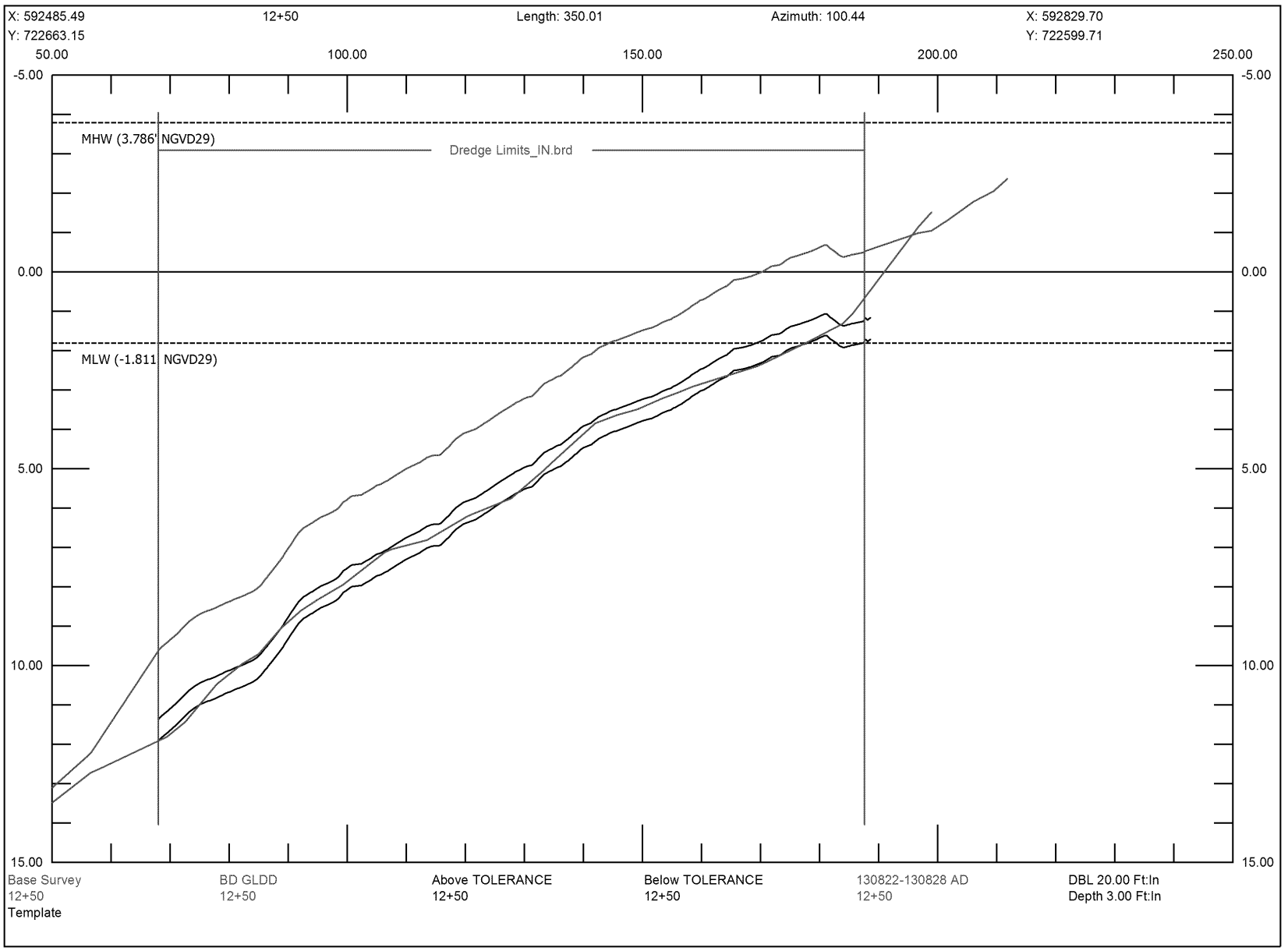
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+40
Template
BD GLDD
12+40
Above TOLERANCE
12+40
Below TOLERANCE
12+40
130822-130828 AD
12+40
DBL 20.00 Ft:In
Depth 3.00 Ft:In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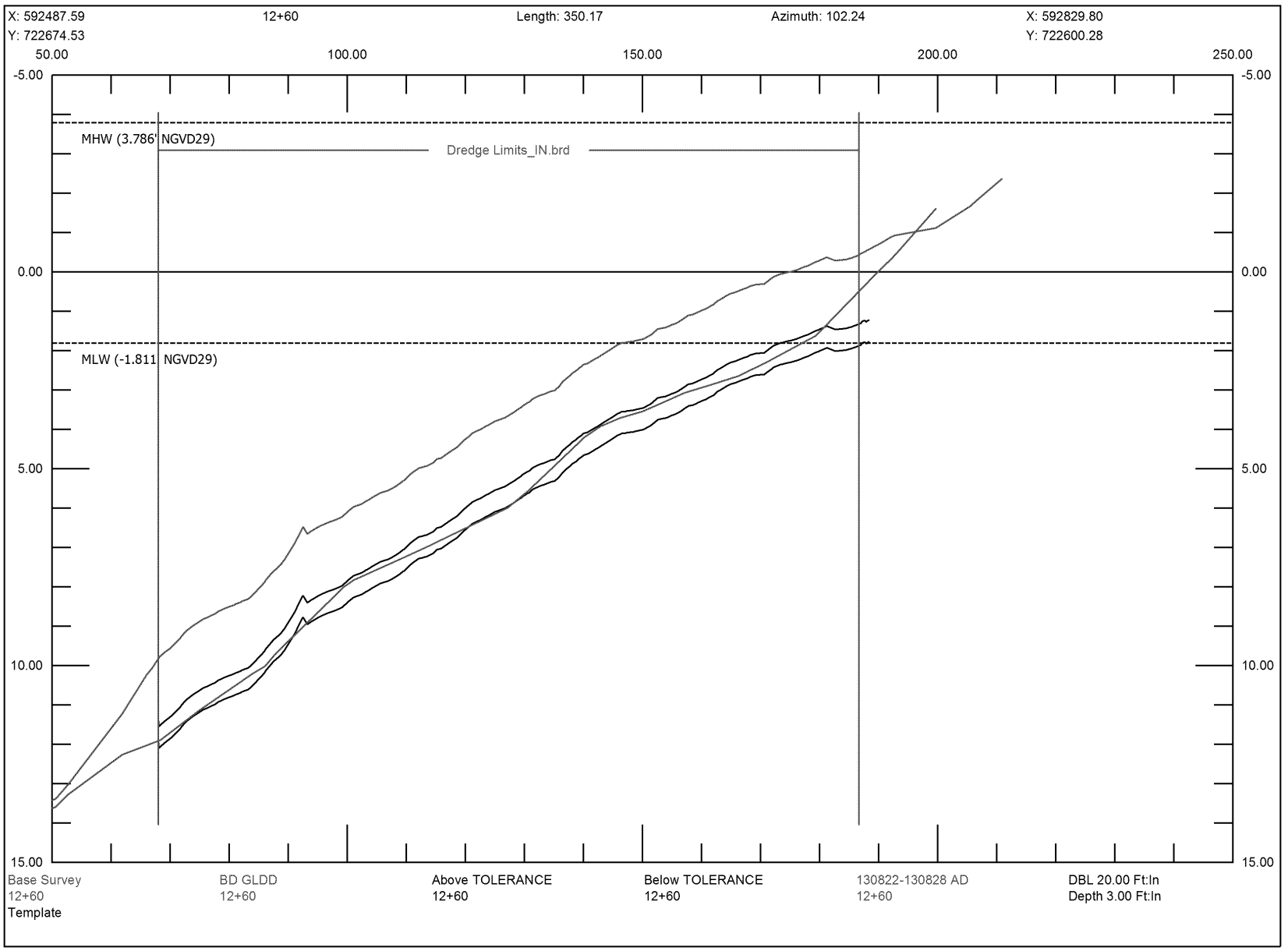
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+50
Template
BD GLDD
12+50
Above TOLERANCE
12+50
Below TOLERANCE
12+50
130822-130828 AD
12+50
DBL 20.00 Ft:In
Depth 3.00 Ft:In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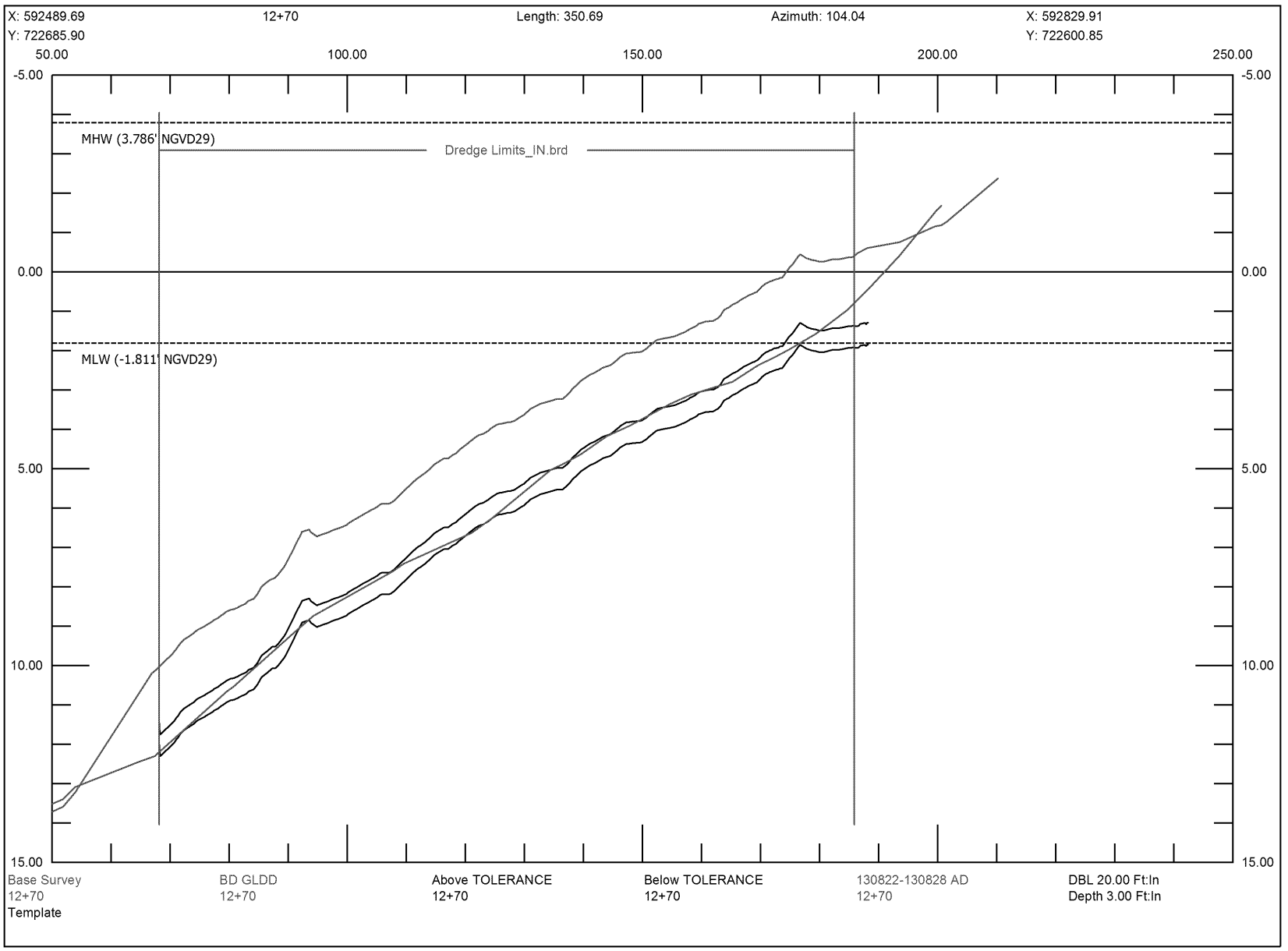
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+60
Template
BD GLDD
12+60
Above TOLERANCE
12+60
Below TOLERANCE
12+60
130822-130828 AD
12+60
DBL 20.00 Ft:In
Depth 3.00 Ft:In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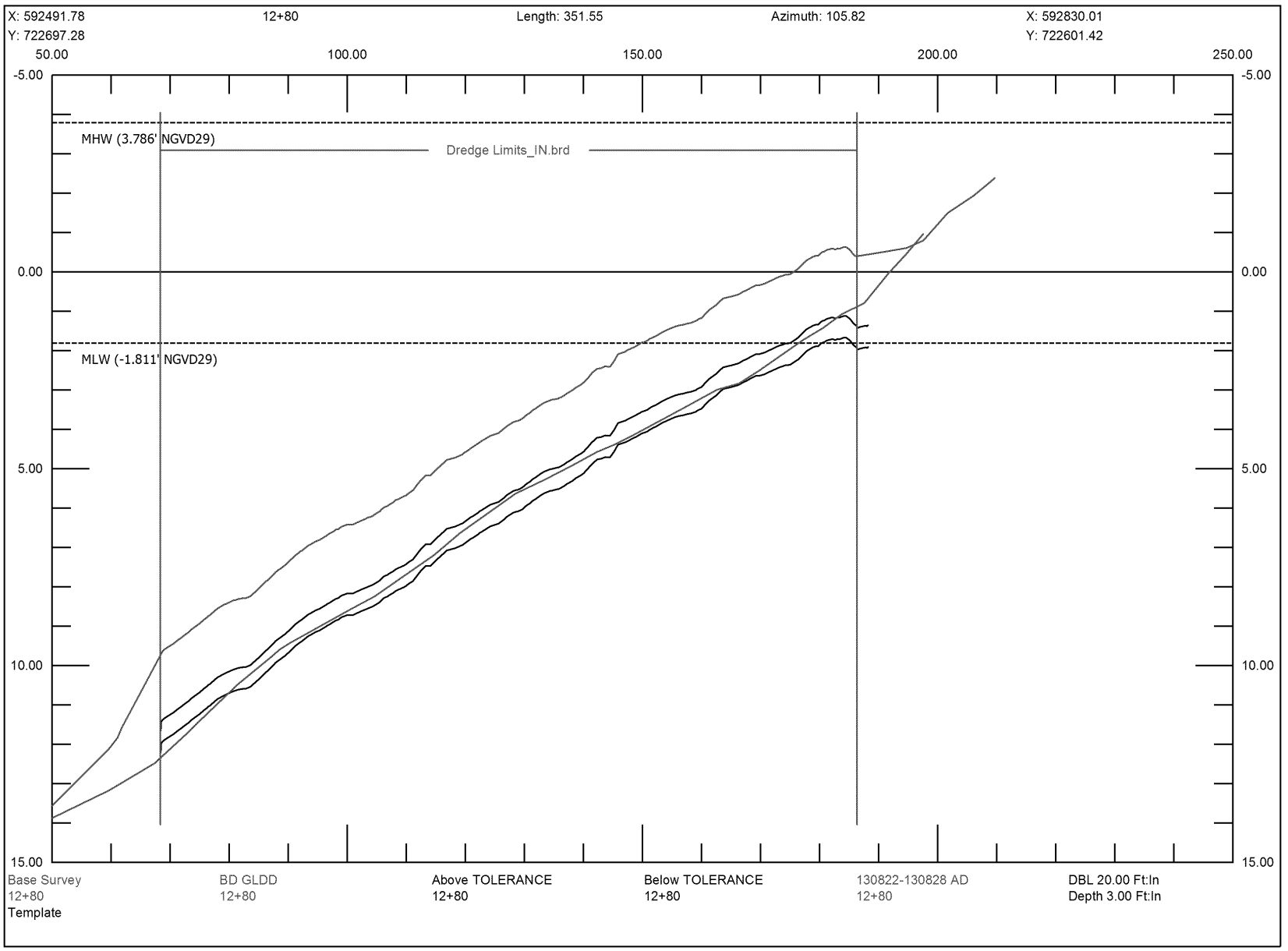
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+70
Template
BD GLDD
12+70
Above TOLERANCE
12+70
Below TOLERANCE
12+70
130822-130828 AD
12+70
DBL 20.00 Ft:In
Depth 3.00 Ft:In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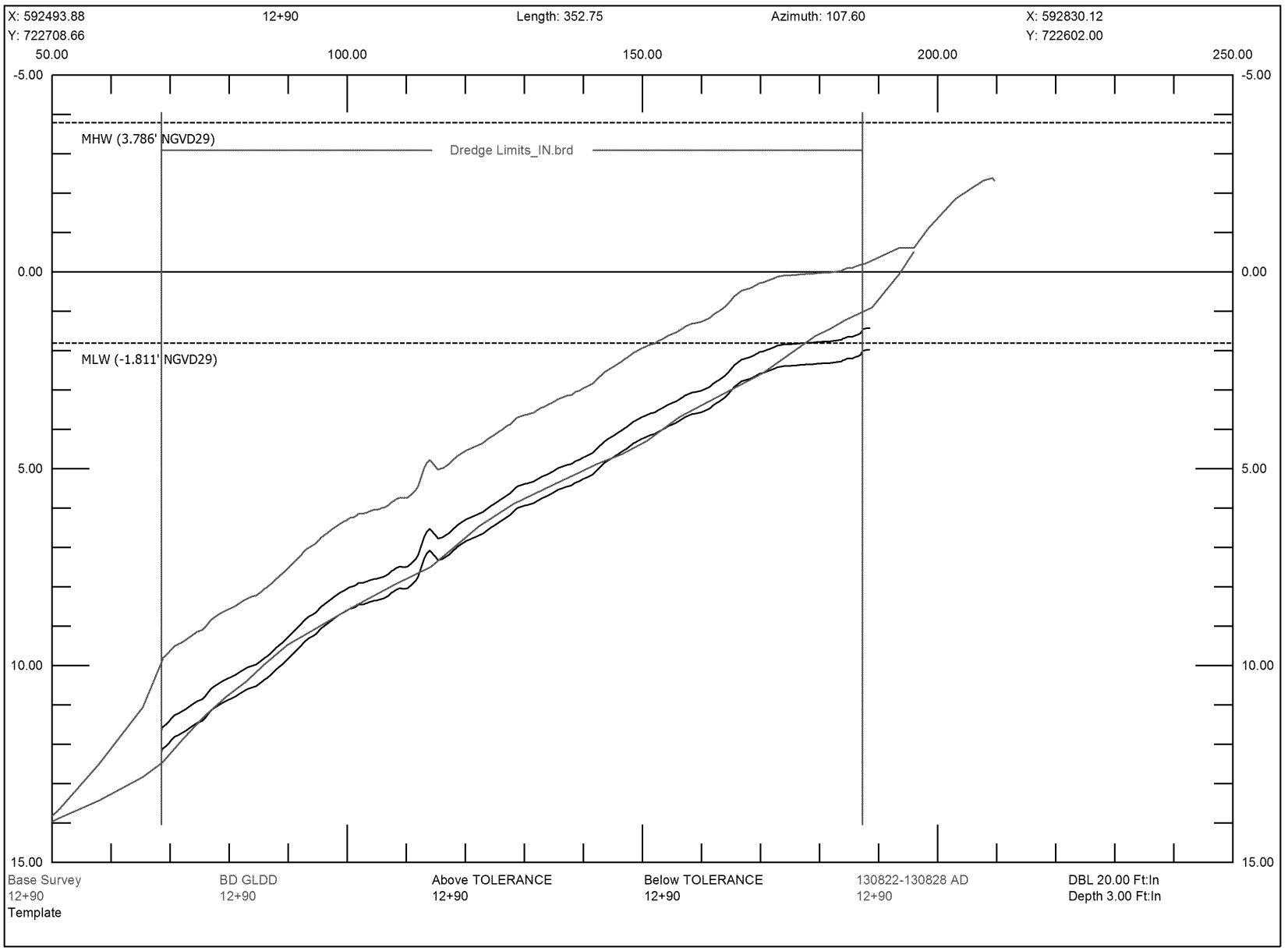
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+80
Template
BD GLDD
12+80
Above TOLERANCE
12+80
Below TOLERANCE
12+80
130822-130828 AD
12+80
DBL 20.00 Ft:In
Depth 3.00 Ft:In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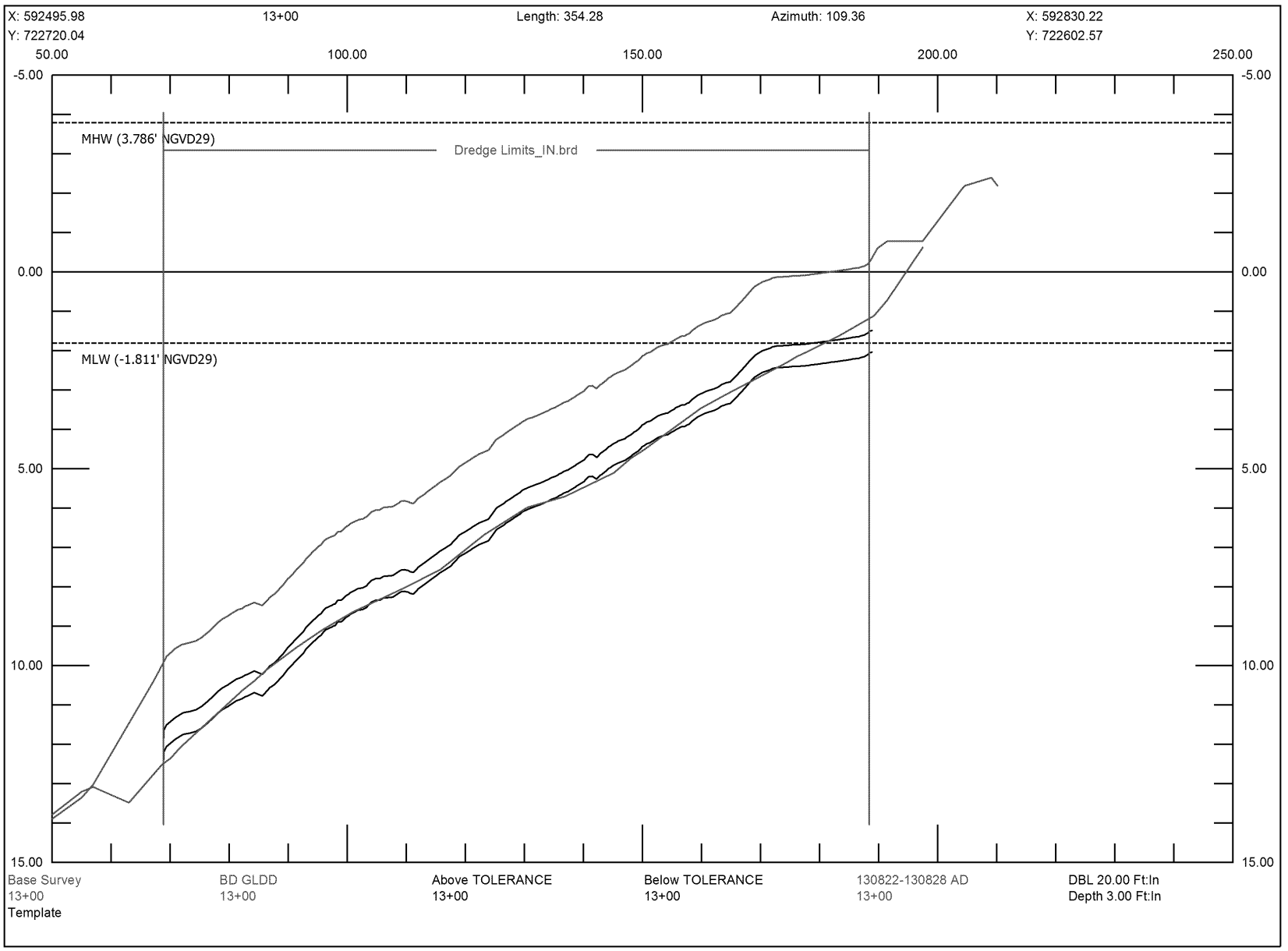
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
12+90
Template
BD GLDD
12+90
Above TOLERANCE
12+90
Below TOLERANCE
12+90
130822-130828 AD
12+90
DBL 20.00 Ft:In
Depth 3.00 Ft:In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5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+00
Template
BD GLDD
13+00
Above TOLERANCE
13+00
Below TOLERANCE
13+00
130822-130828 AD
13+00
DBL 20.00 Ft:In
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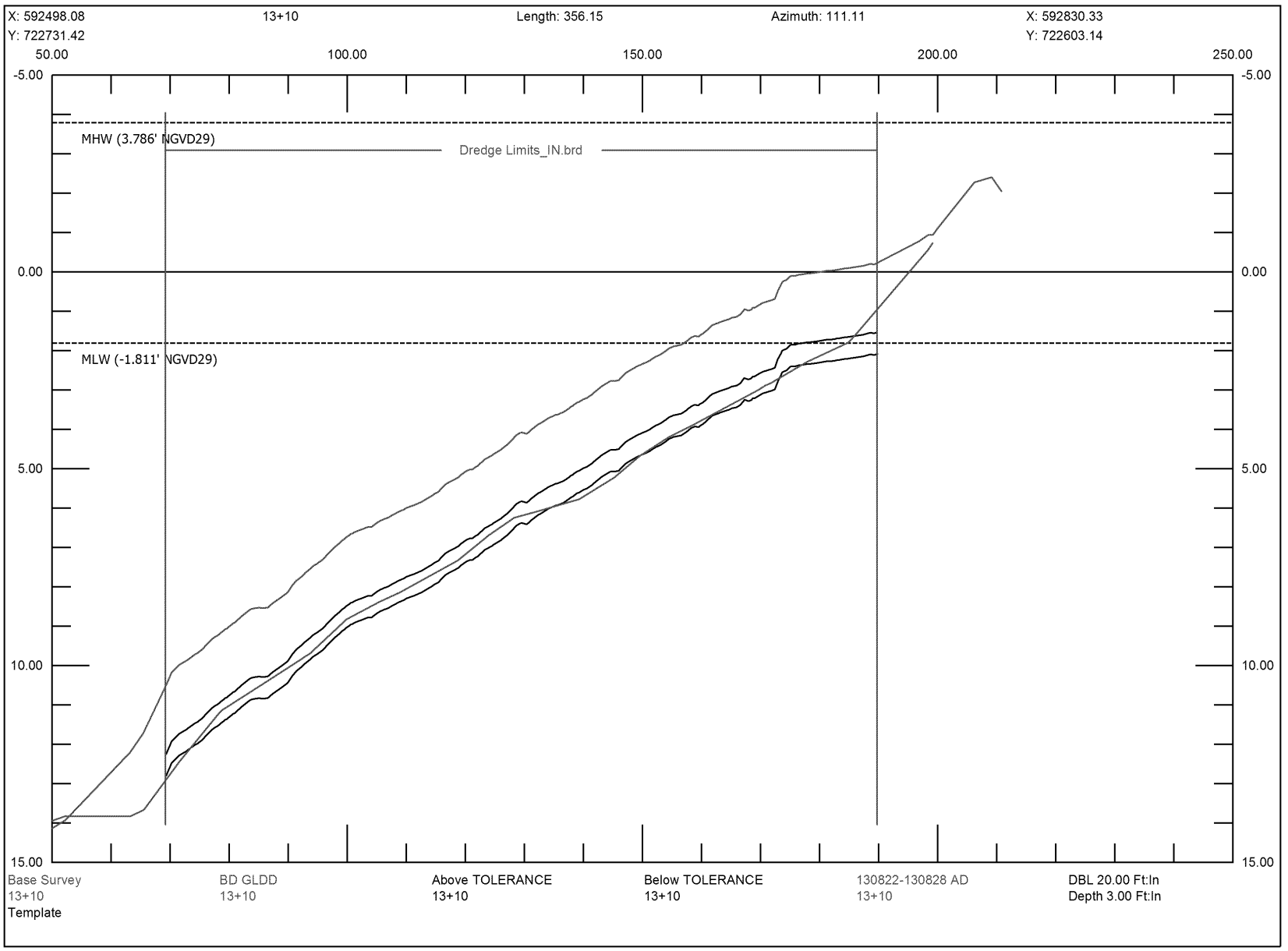
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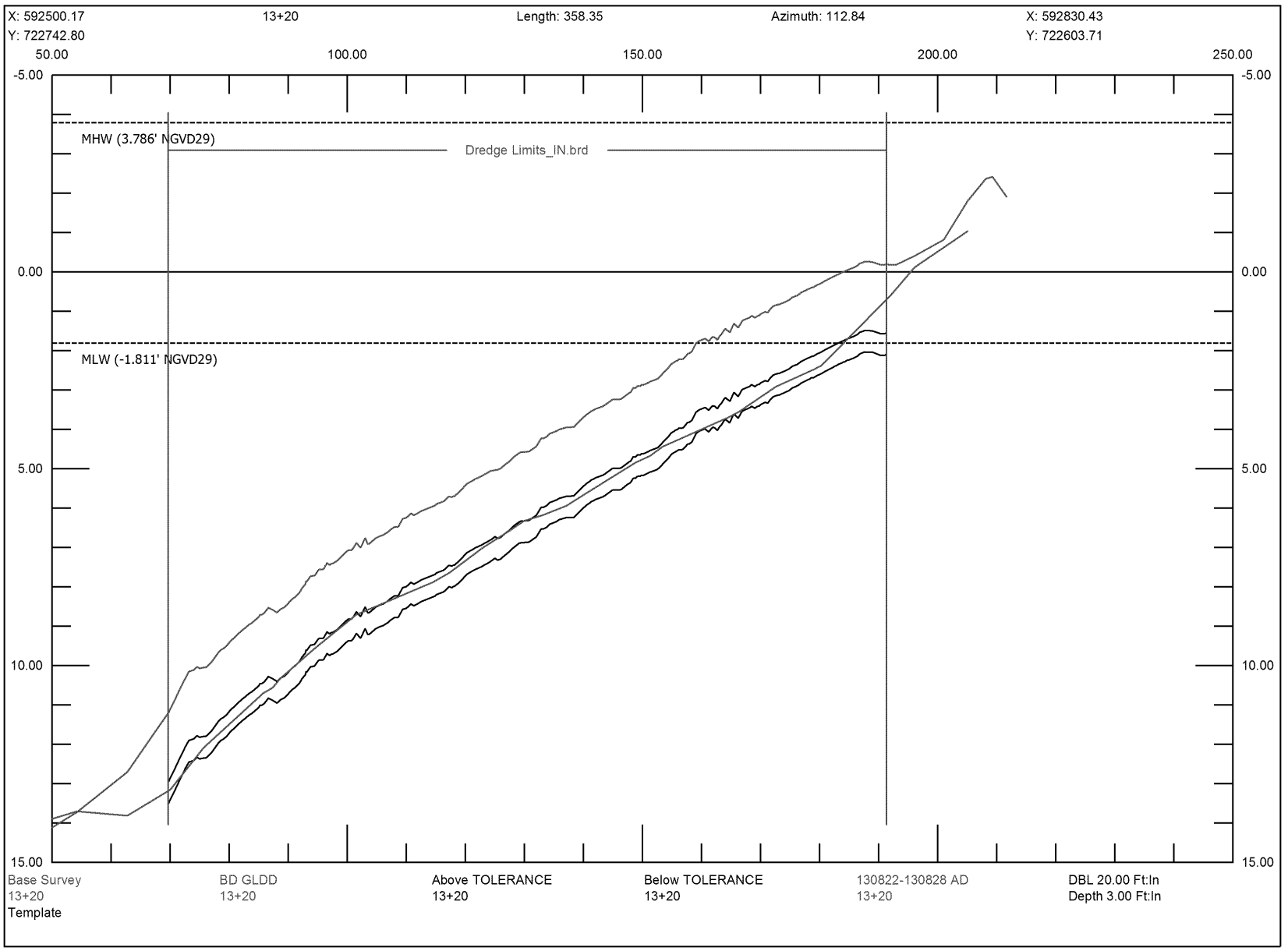
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+10
Template
BD GLDD
13+10
Above TOLERANCE
13+10
Below TOLERANCE
13+10
130822-130828 AD
13+10
DBL 20.00 Ft:In
Depth 3.00 Ft:In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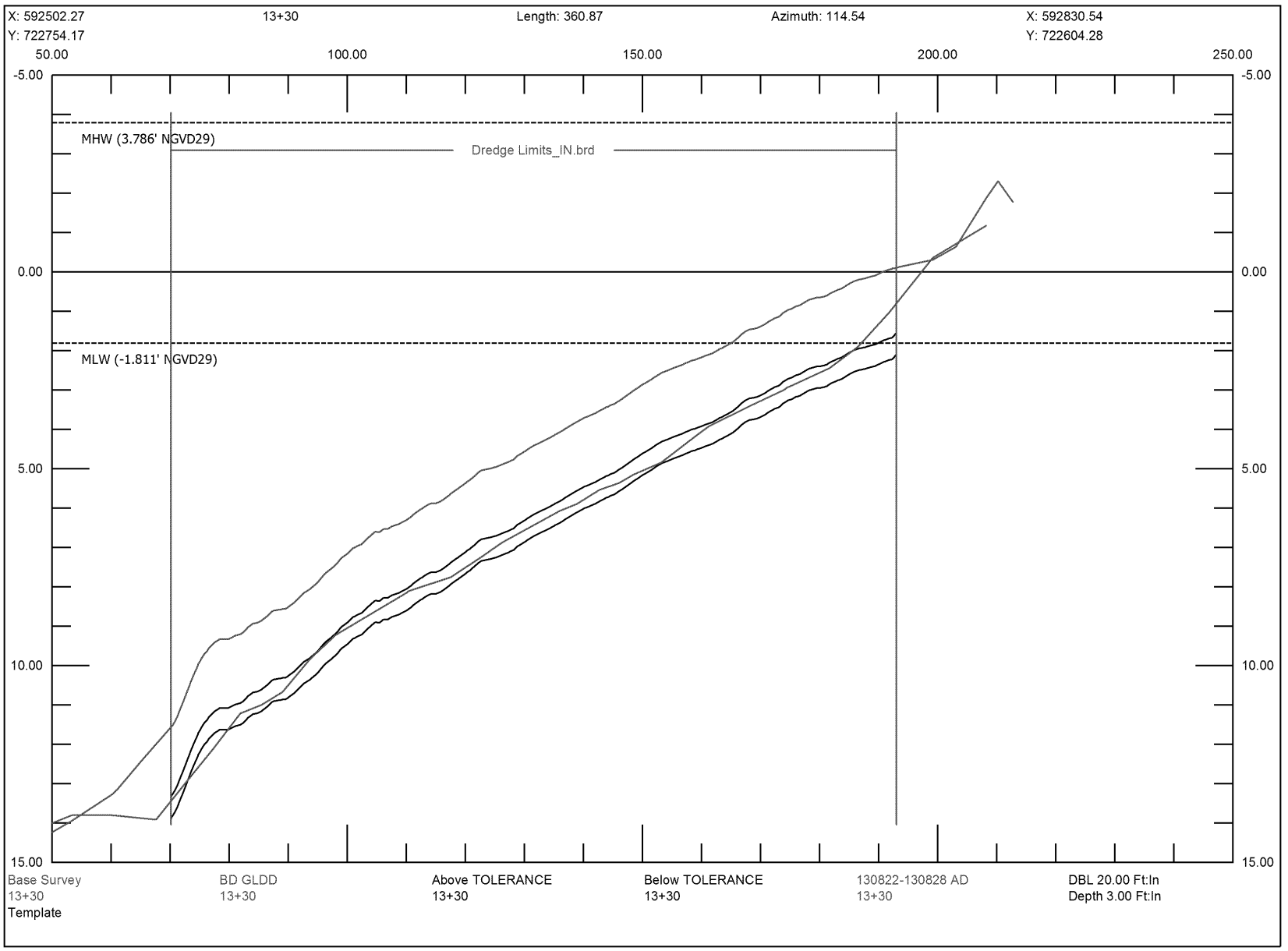
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+20
Template
BD GLDD
13+20
Above TOLERANCE
13+20
Below TOLERANCE
13+20
130822-130828 AD
13+20
DBL 20.00 Ft:In
Depth 3.00 Ft:In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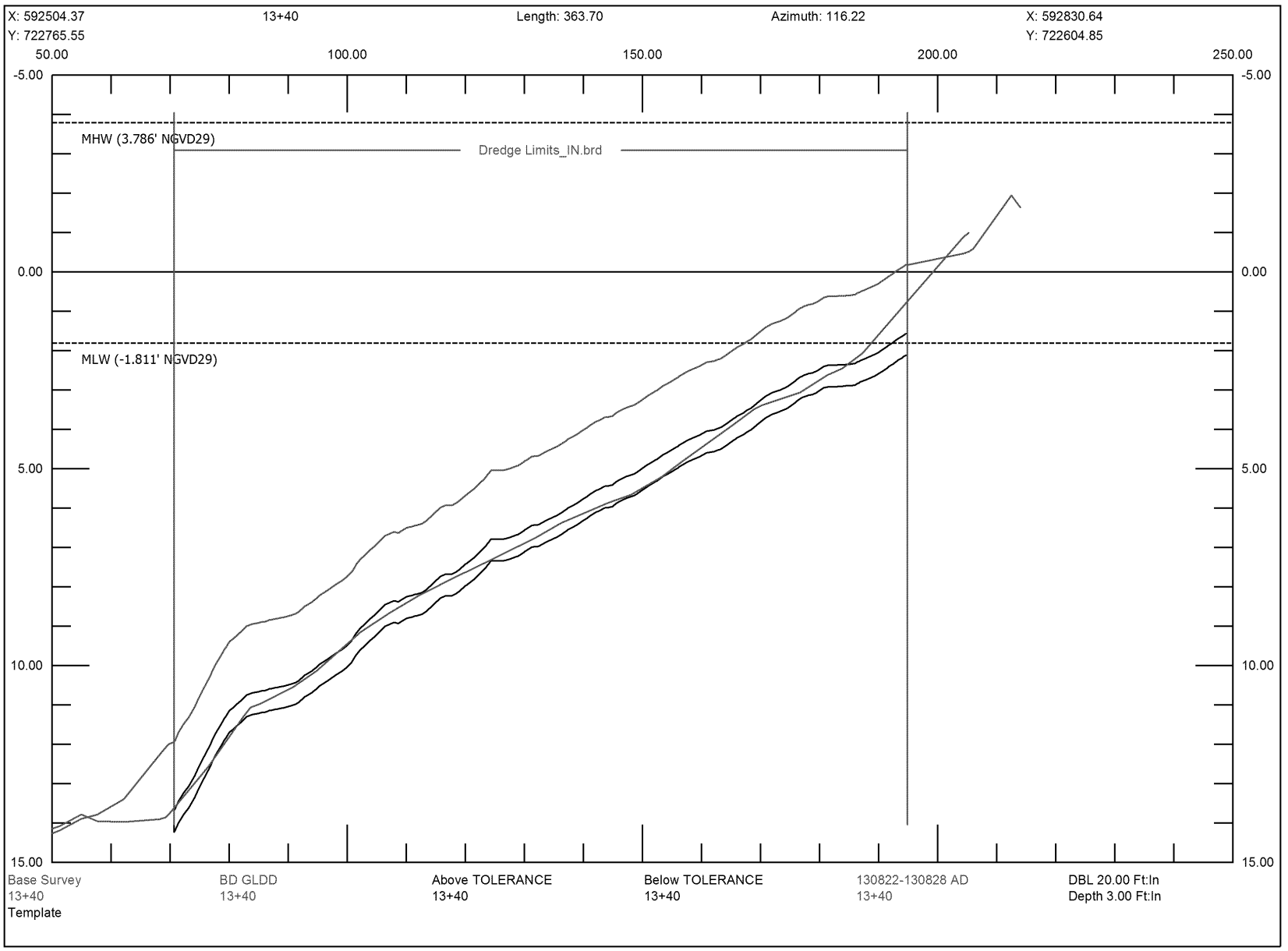
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+30
Template
BD GLDD
13+30
Above TOLERANCE
13+30
Below TOLERANCE
13+30
130822-130828 AD
13+30
DBL 20.00 Ft:In
Depth 3.00 Ft:In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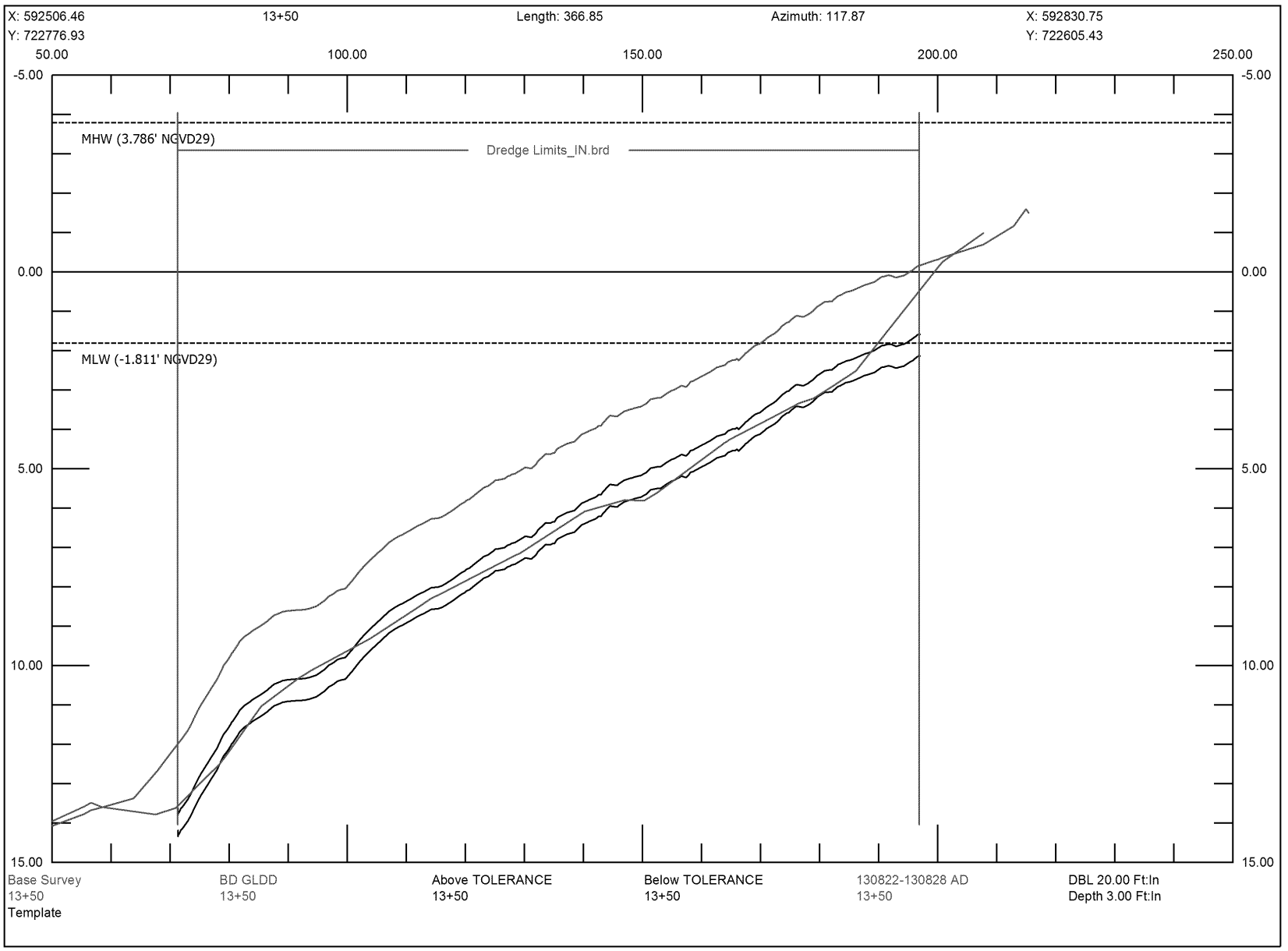
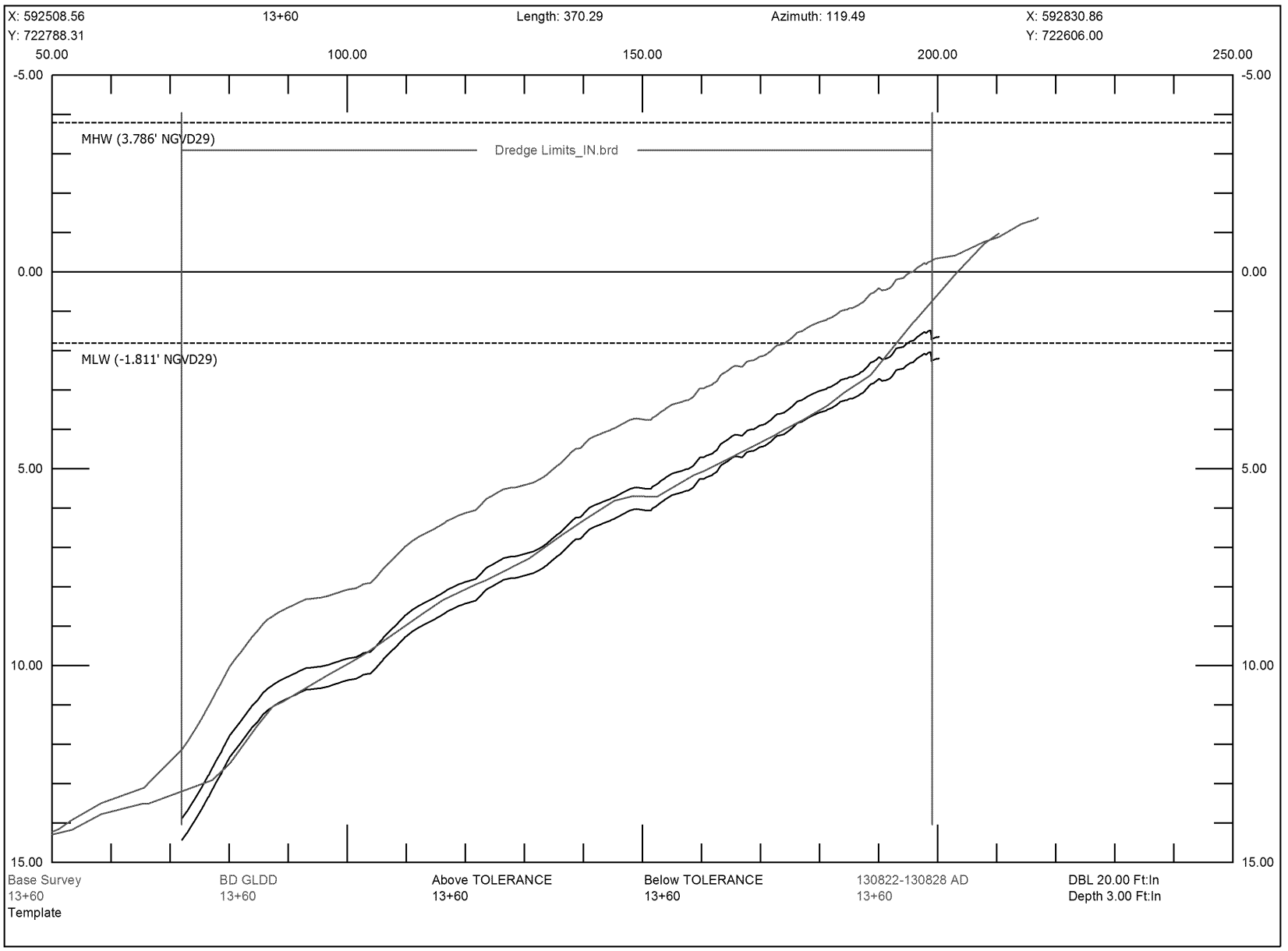
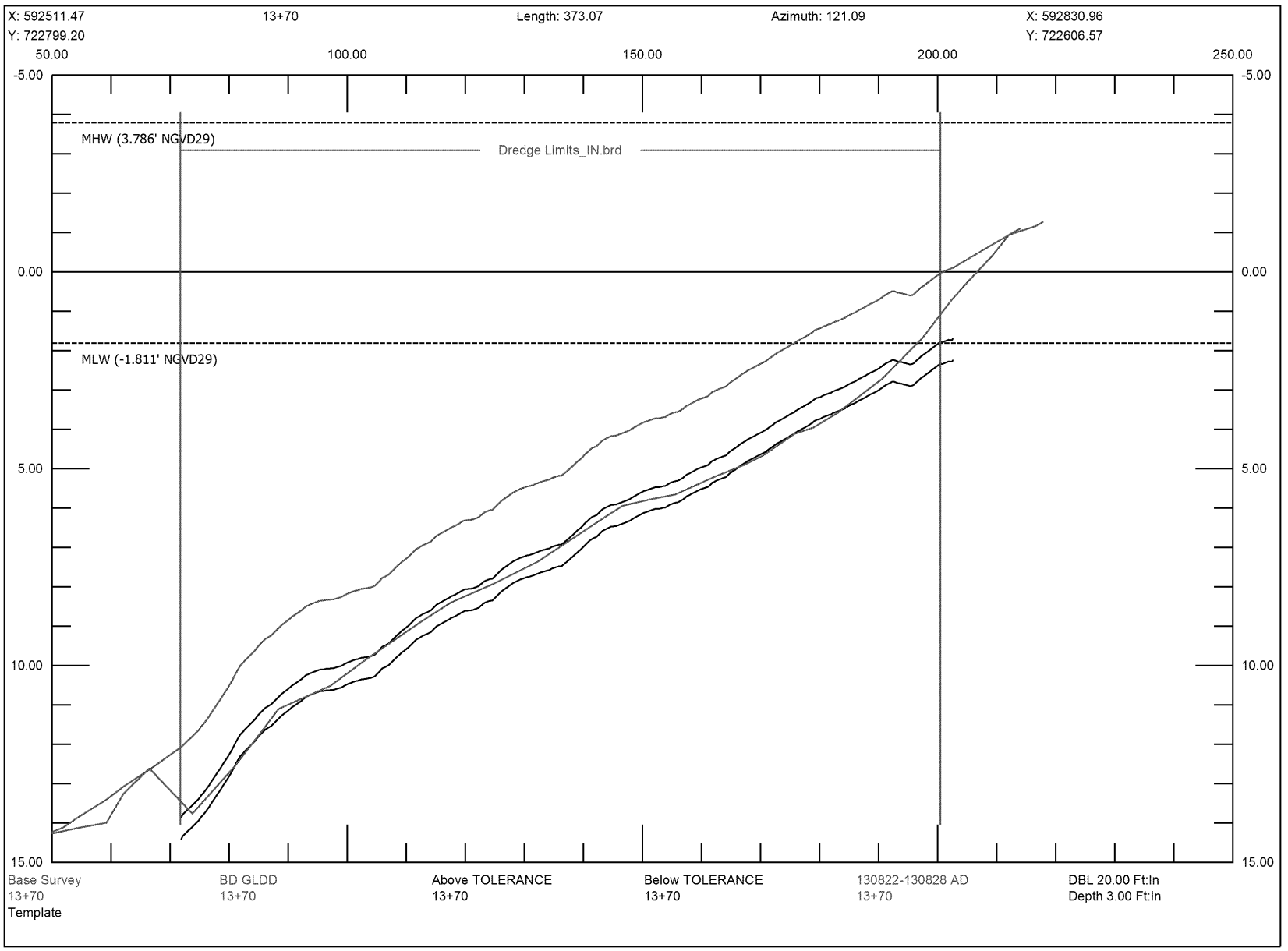
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+40
Template
BD GLDD
13+40
Above TOLERANCE
13+40
Below TOLERANCE
13+40
130822-130828 AD
13+40
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592506.46
Y: 722776.93
13+50
Length: 366.85
Azimuth: 117.87
X: 592830.75
Y: 722605.43
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+50
Template
BD GLDD
13+50
Above TOLERANCE
13+50
Below TOLERANCE
13+50
130822-130828 AD
13+50
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592508.56
Y: 722788.31
13+60
Length: 370.29
Azimuth: 119.49
X: 592830.86
Y: 722606.00
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+60
Template
BD GLDD
13+60
Above TOLERANCE
13+60
Below TOLERANCE
13+60
130822-130828 AD
13+60
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592511.47
Y: 722799.20
13+70
Length: 373.07
Azimuth: 121.09
X: 592830.96
Y: 722606.57
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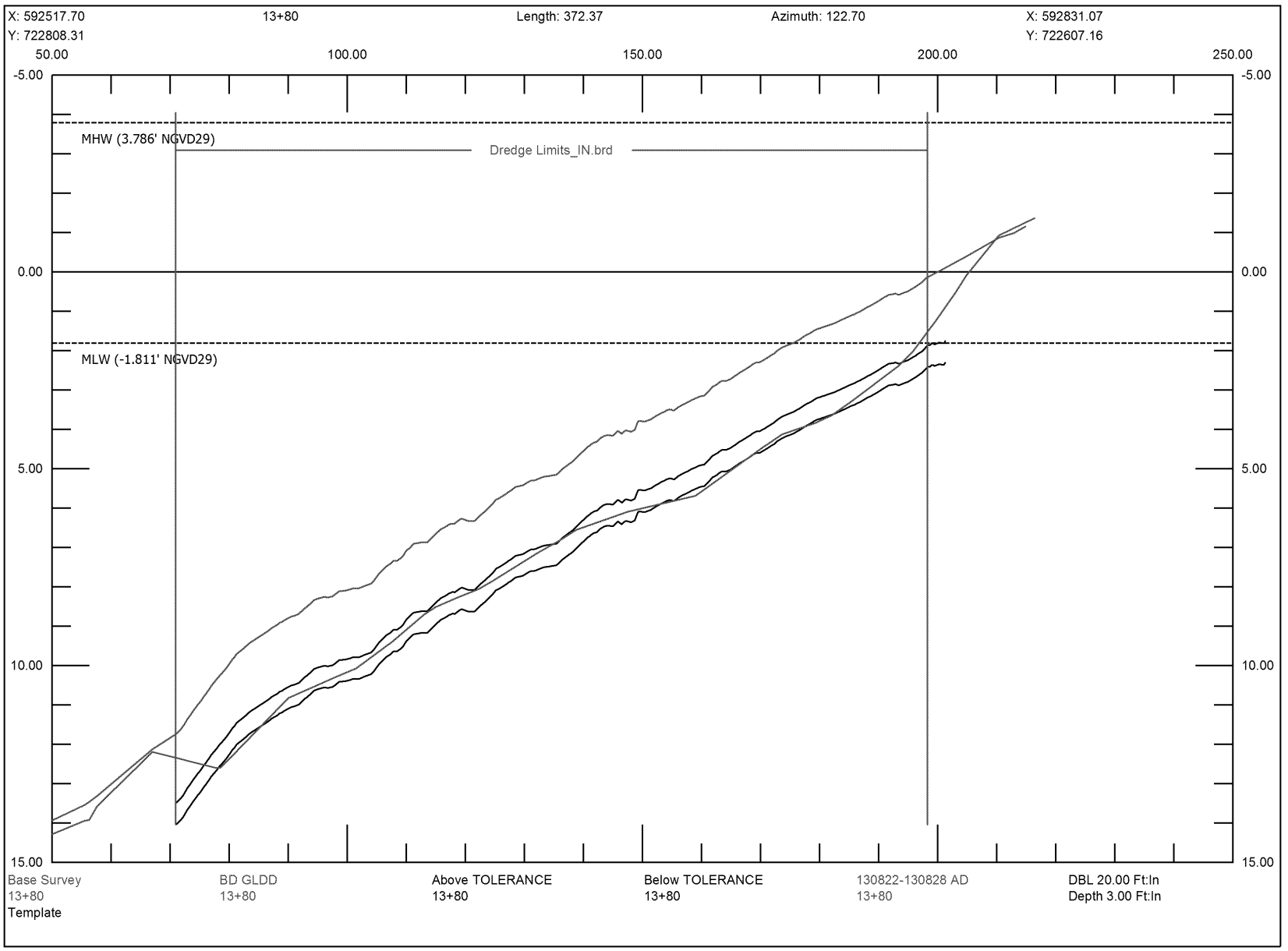
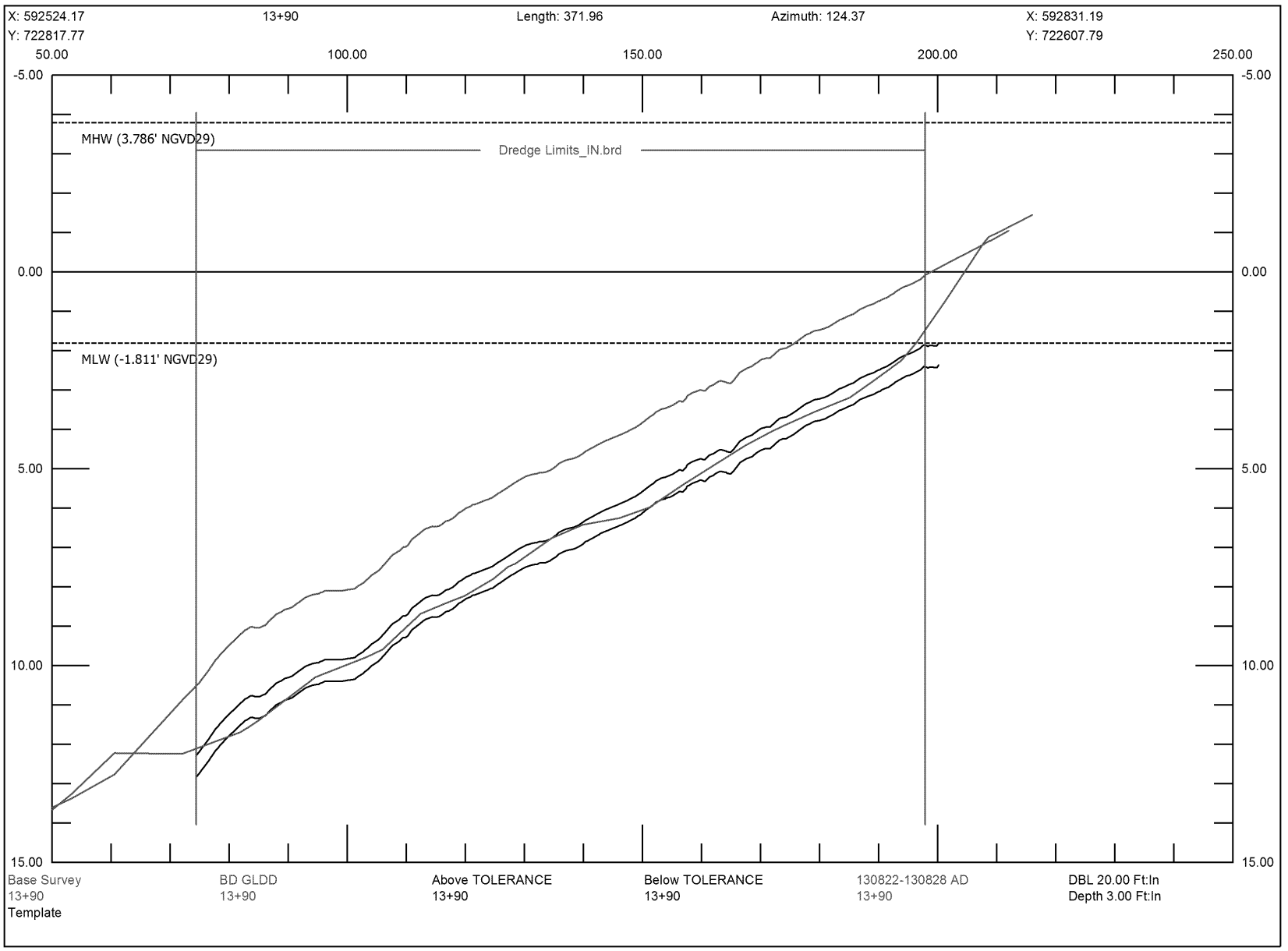
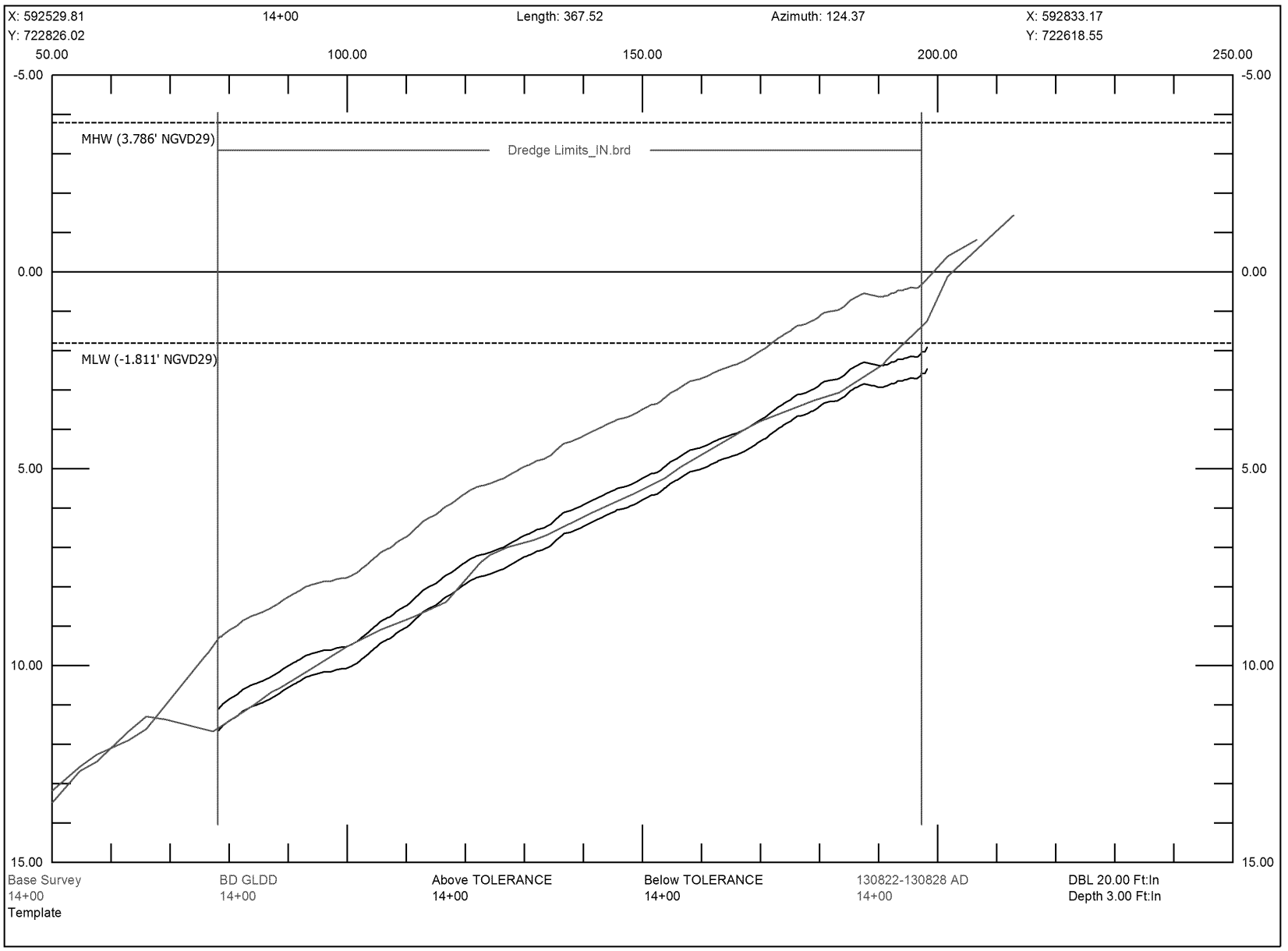
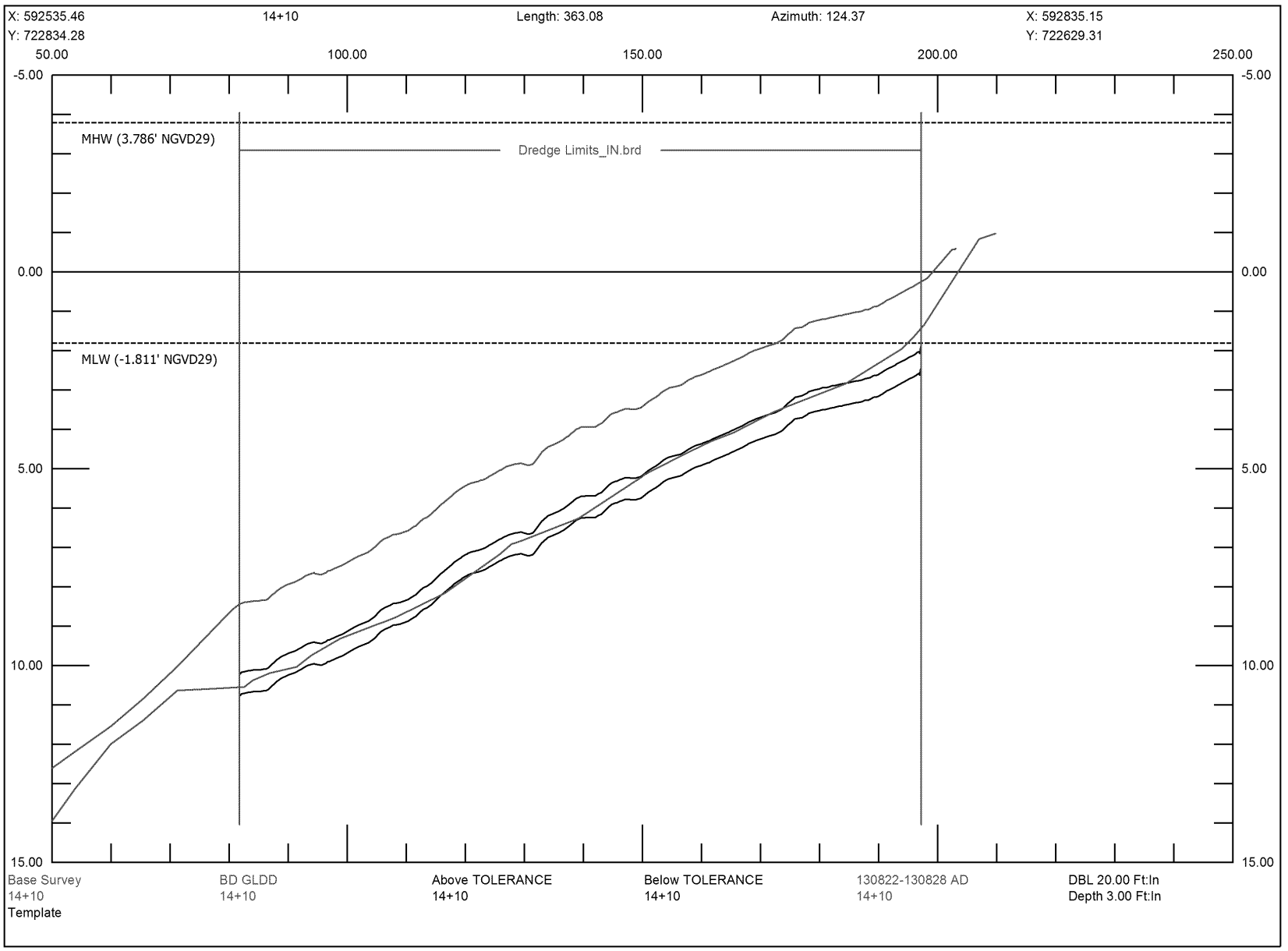
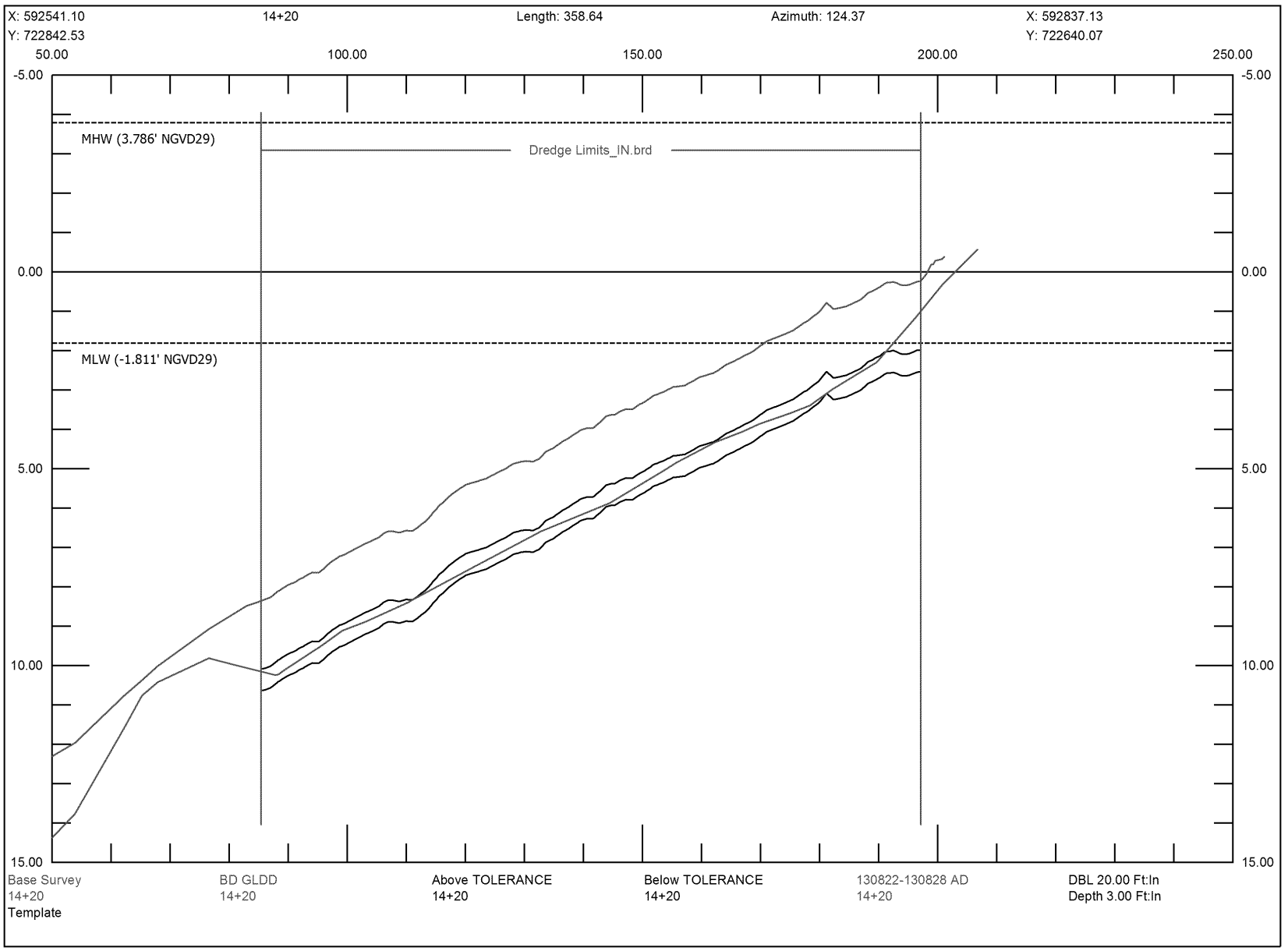
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+70
Template
BD GLDD
13+70
Above TOLERANCE
13+70
Below TOLERANCE
13+70
130822-130828 AD
13+70
DBL 20.00 Ft:In
Depth 3.00 Ft:In

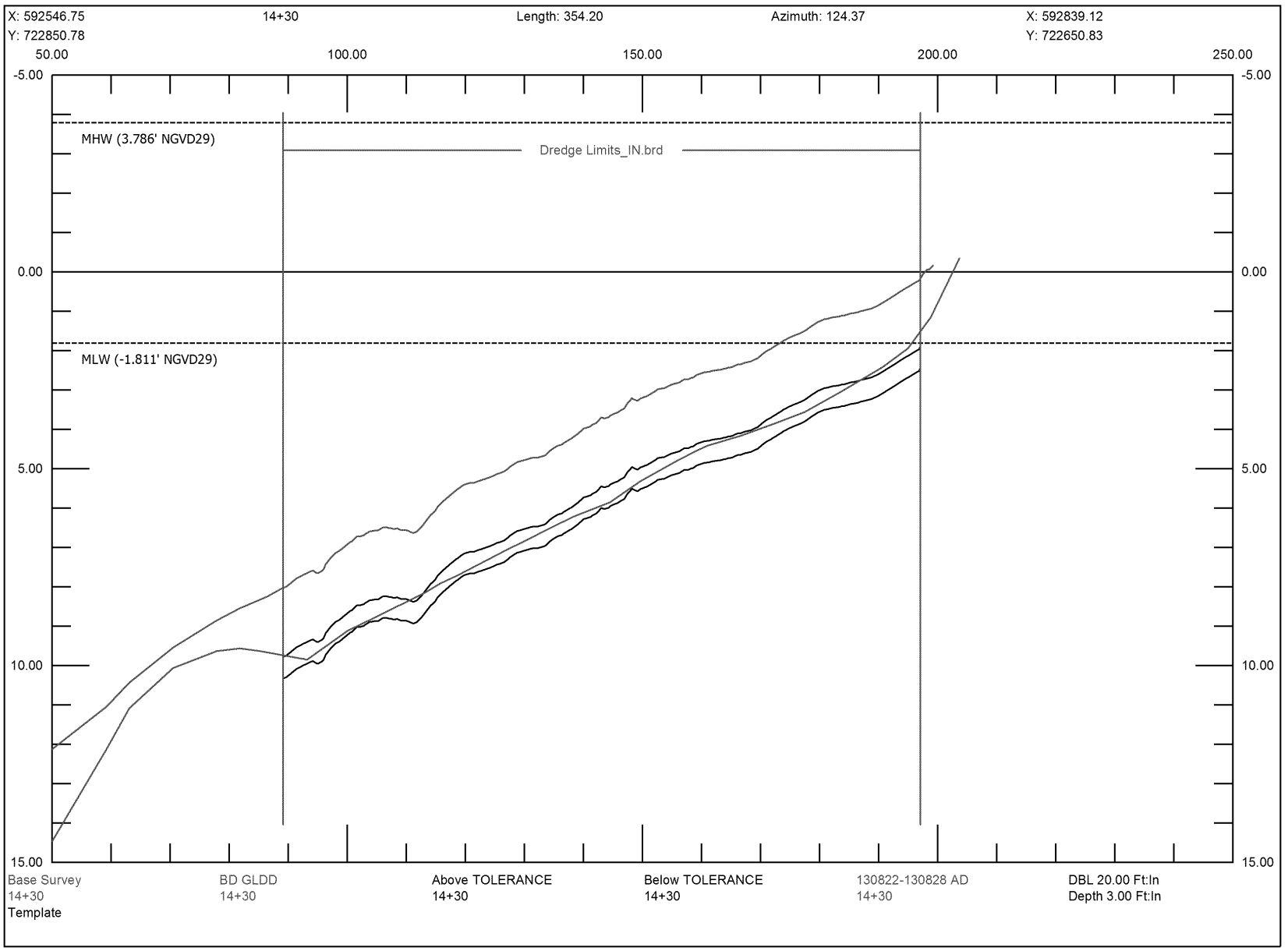

X: 592517.70
Y: 722808.31
13+80
Length: 372.37
Azimuth: 122.70
X: 592831.07
Y: 722607.16
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+80
Template
BD GLDD
13+80
Above TOLERANCE
13+80
Below TOLERANCE
13+80
130822-130828 AD
13+80
DBL 20.00 Ft:In
Depth 3.00 Ft:In

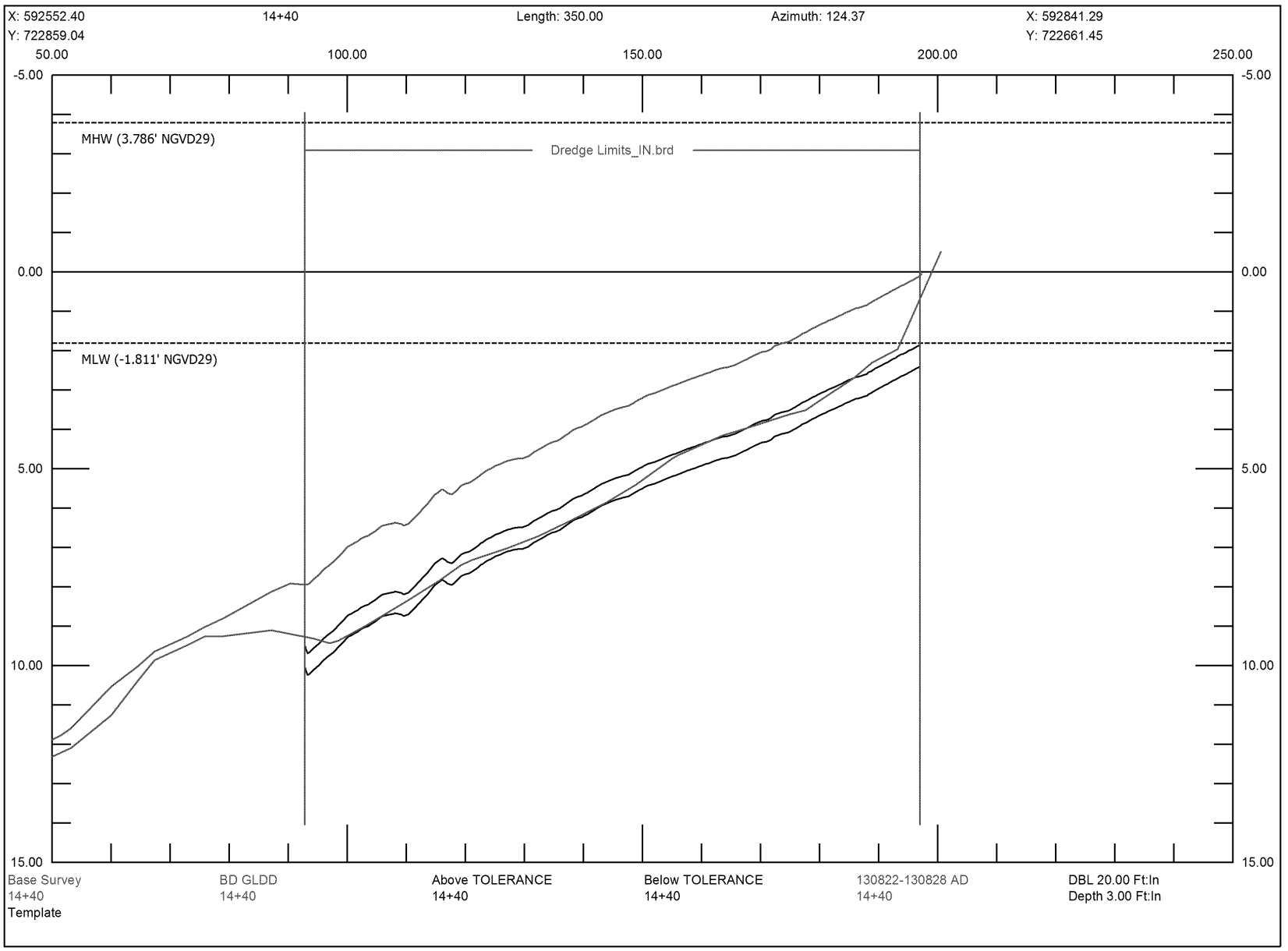

X: 592524.17
Y: 722817.77
13+90
Length: 371.96
Azimuth: 124.37
X: 592831.19
Y: 722607.79
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
13+90
Template
BD GLDD
13+90
Above TOLERANCE
13+90
Below TOLERANCE
13+90
130822-130828 AD
13+90
DBL 20.00 Ft:In
Depth 3.00 Ft:In

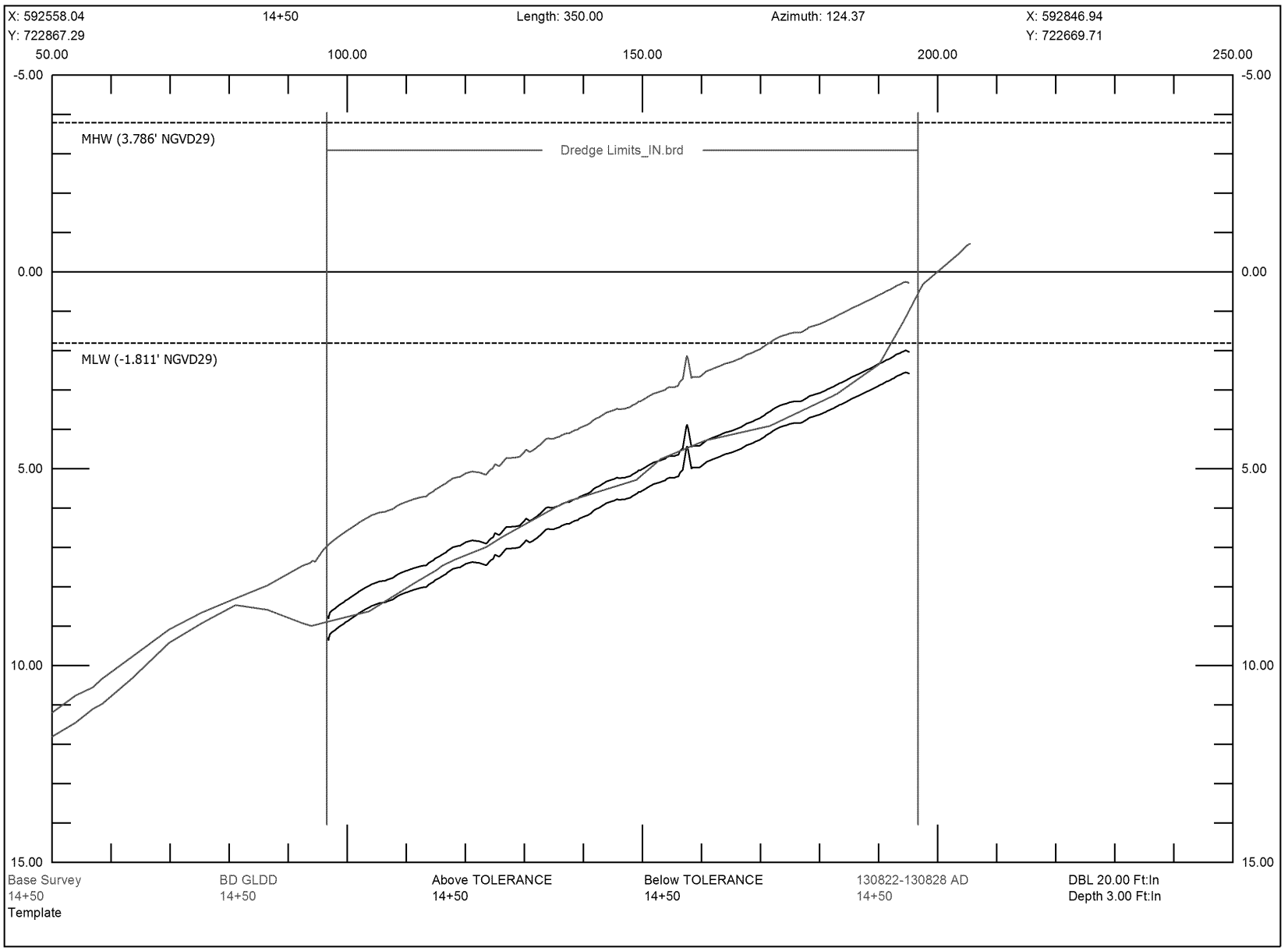

X: 592529.81
Y: 722826.02
14+00
Length: 367.52
Azimuth: 124.37
X: 592833.17
Y: 722618.55
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
14+00
Template
BD GLDD
14+00
Above TOLERANCE
14+00
Below TOLERANCE
14+00
130822-130828 AD
14+00
DBL 20.00 Ft:In
Depth 3.00 Ft:In

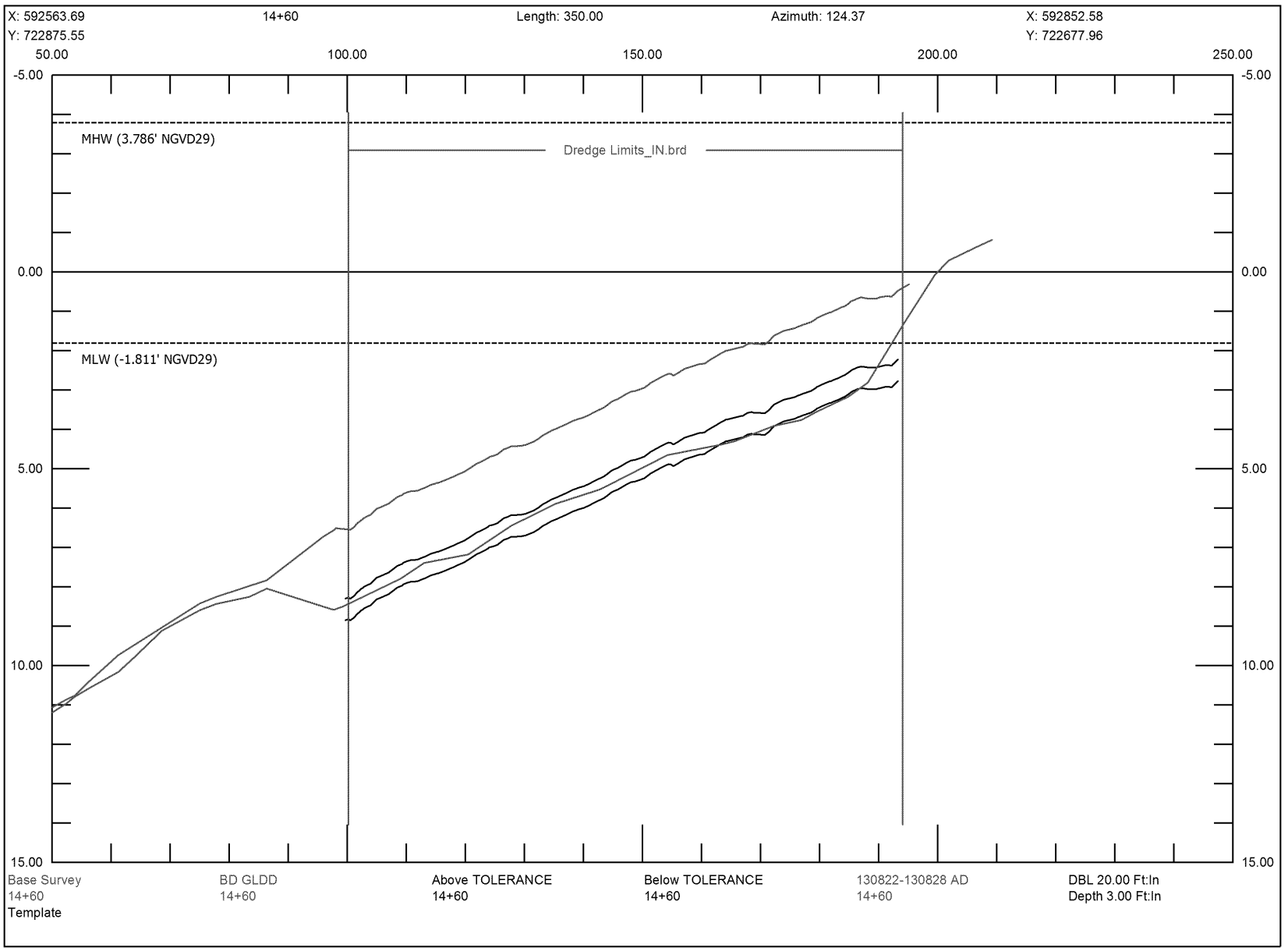

X: 592535.46
Y: 722834.28
14+10
Length: 363.08
Azimuth: 124.37
X: 592835.15
Y: 722629.31
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+10
Template
BD GLDD
14+10
Above TOLERANCE
14+10
Below TOLERANCE
14+10
130822-130828 AD
14+10
DBL 20.00 Ft:In
Depth 3.00 Ft:In

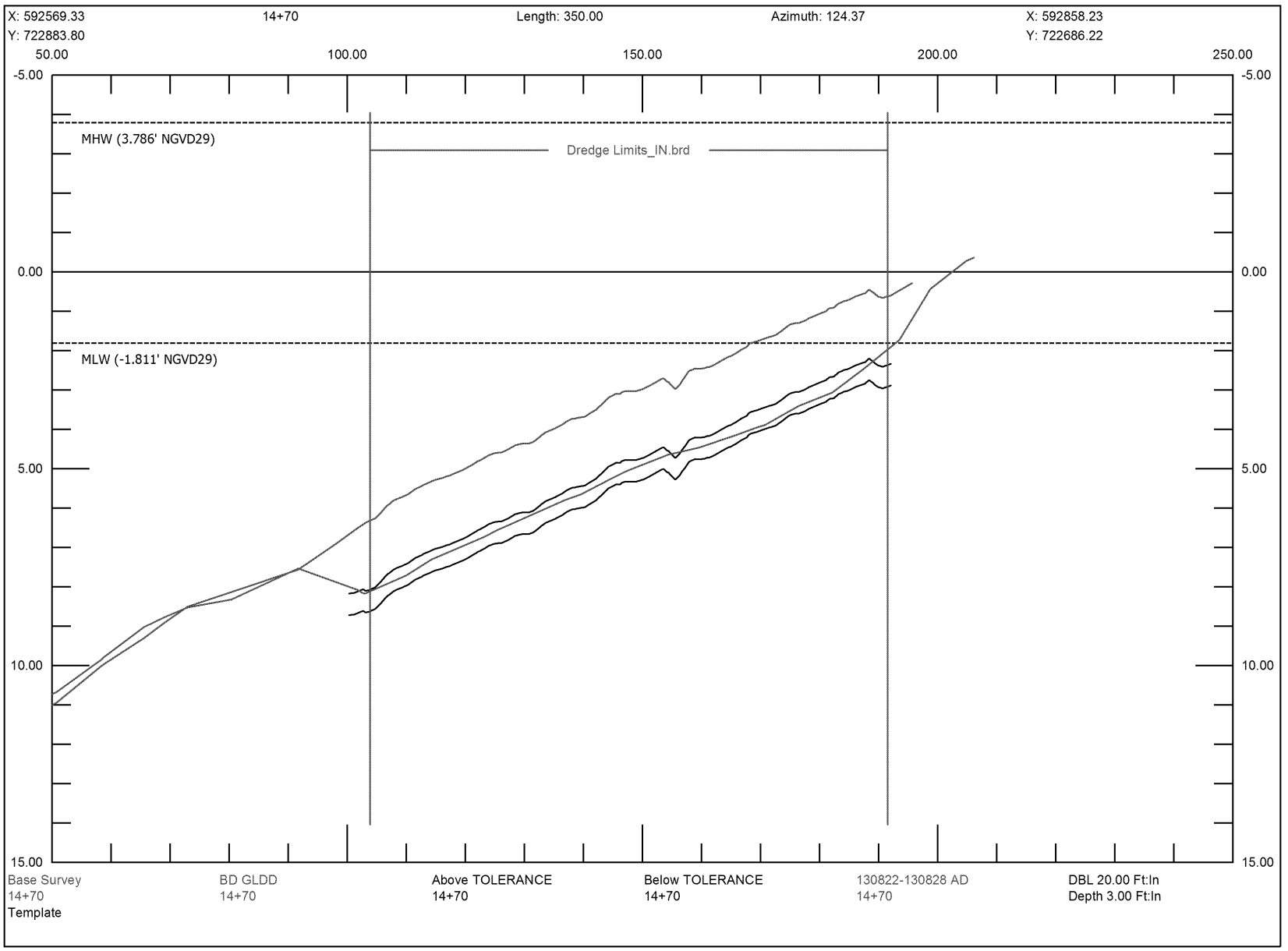

X: 592541.10
Y: 722842.53
14+20
Length: 358.64
Azimuth: 124.37
X: 592837.13
Y: 722640.07
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+20
Template
BD GLDD
14+20
Above TOLERANCE
14+20
Below TOLERANCE
14+20
130822-130828 AD
14+20
DBL 20.00 Ft:In
Depth 3.00 Ft:In

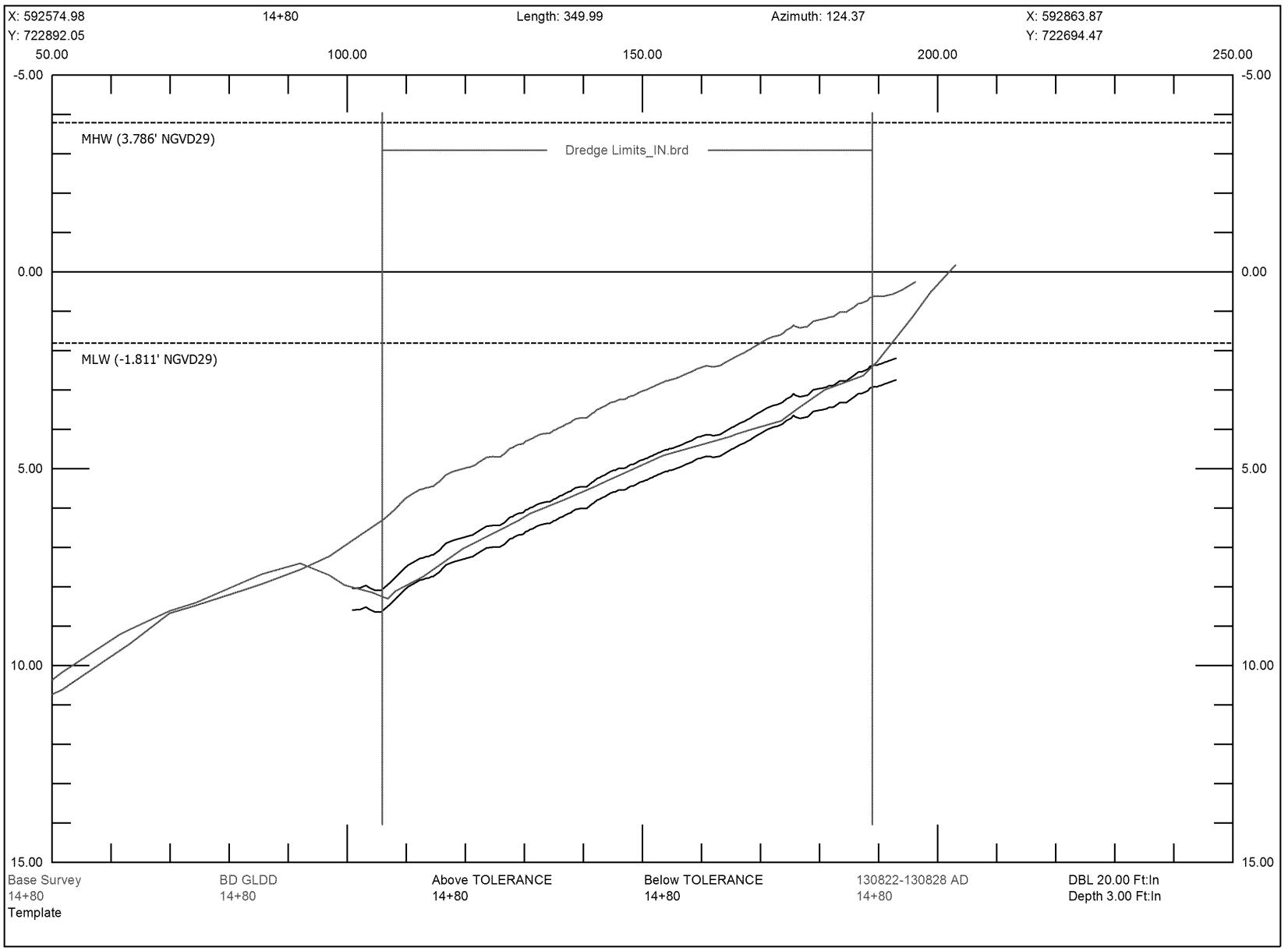

X: 592546.75
Y: 722850.78
14+30
Length: 354.20
Azimuth: 124.37
X: 592839.12
Y: 722650.83
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+30
Template
BD GLDD
14+30
Above TOLERANCE
14+30
Below TOLERANCE
14+30
130822-130828 AD
14+30
DBL 20.00 Ft:In
Depth 3.00 Ft:In

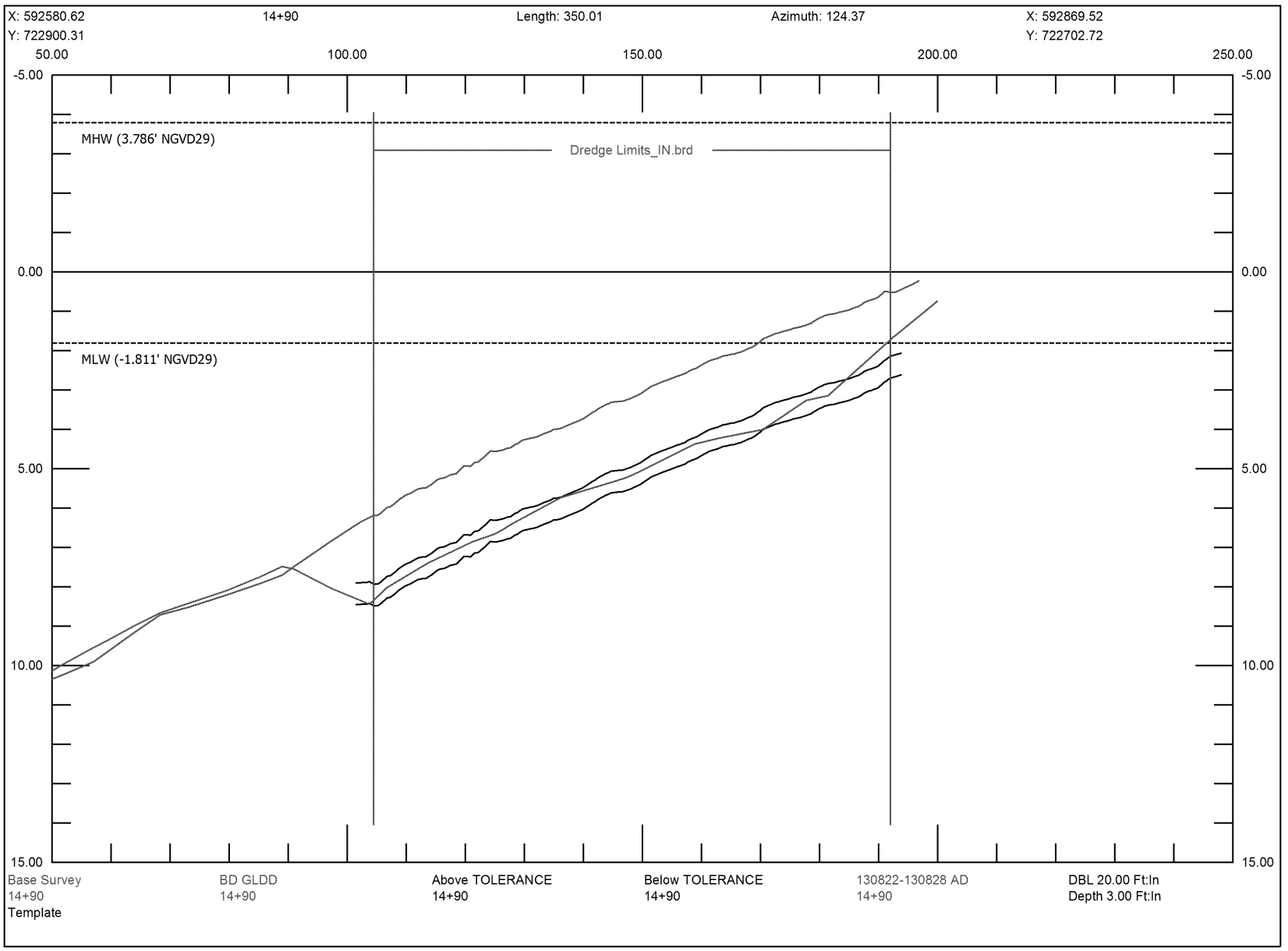

X: 592552.40
Y: 722859.04
14+40
Length: 350.00
Azimuth: 124.37
X: 592841.29
Y: 722661.45
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+40
Template
BD GLDD
14+40
Above TOLERANCE
14+40
Below TOLERANCE
14+40
130822-130828 AD
14+40
DBL 20.00 Ft:In
Depth 3.00 Ft:In

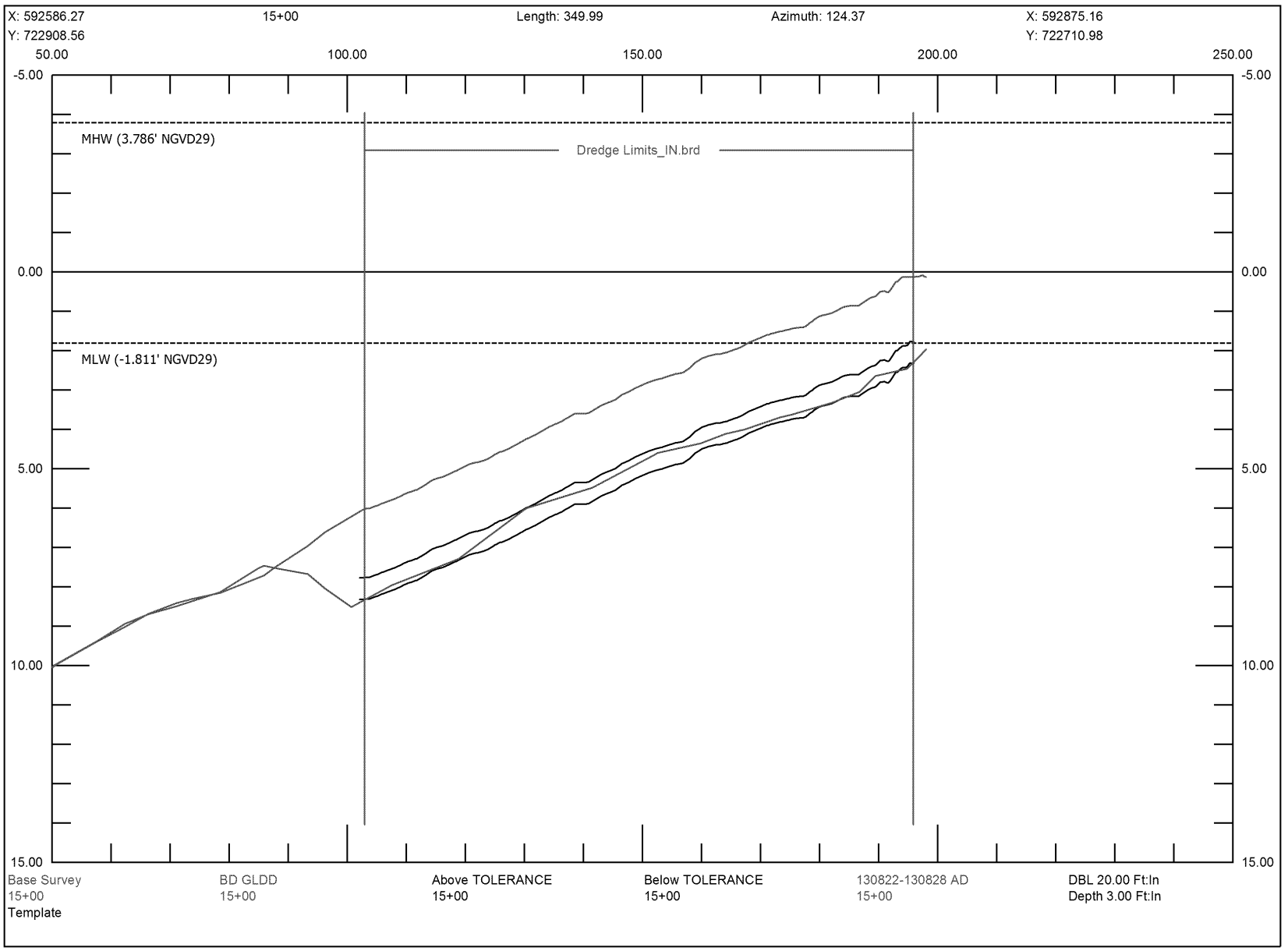

X: 592558.04
Y: 722867.29
14+50
Length: 350.00
Azimuth: 124.37
X: 592846.94
Y: 722669.71
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+50
Template
BD GLDD
14+50
Above TOLERANCE
14+50
Below TOLERANCE
14+50
130822-130828 AD
14+50
DBL 20.00 Ft:In
Depth 3.00 Ft:In

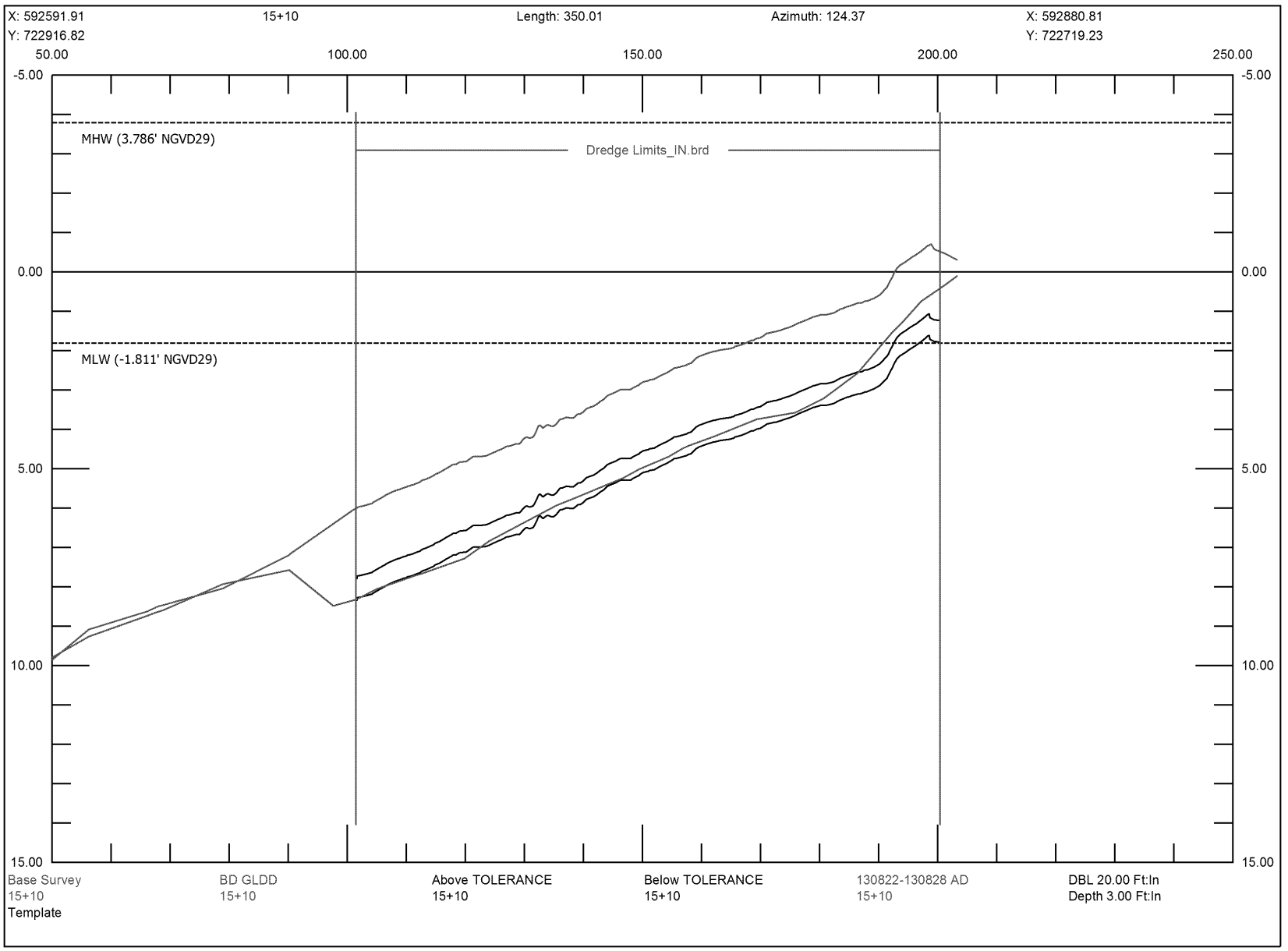

X: 592563.69
Y: 722875.55
14+60
Length: 350.00
Azimuth: 124.37
X: 592852.58
Y: 722677.96
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+60
Template
BD GLDD
14+60
Above TOLERANCE
14+60
Below TOLERANCE
14+60
130822-130828 AD
14+60
DBL 20.00 Ft:In
Depth 3.00 Ft:In

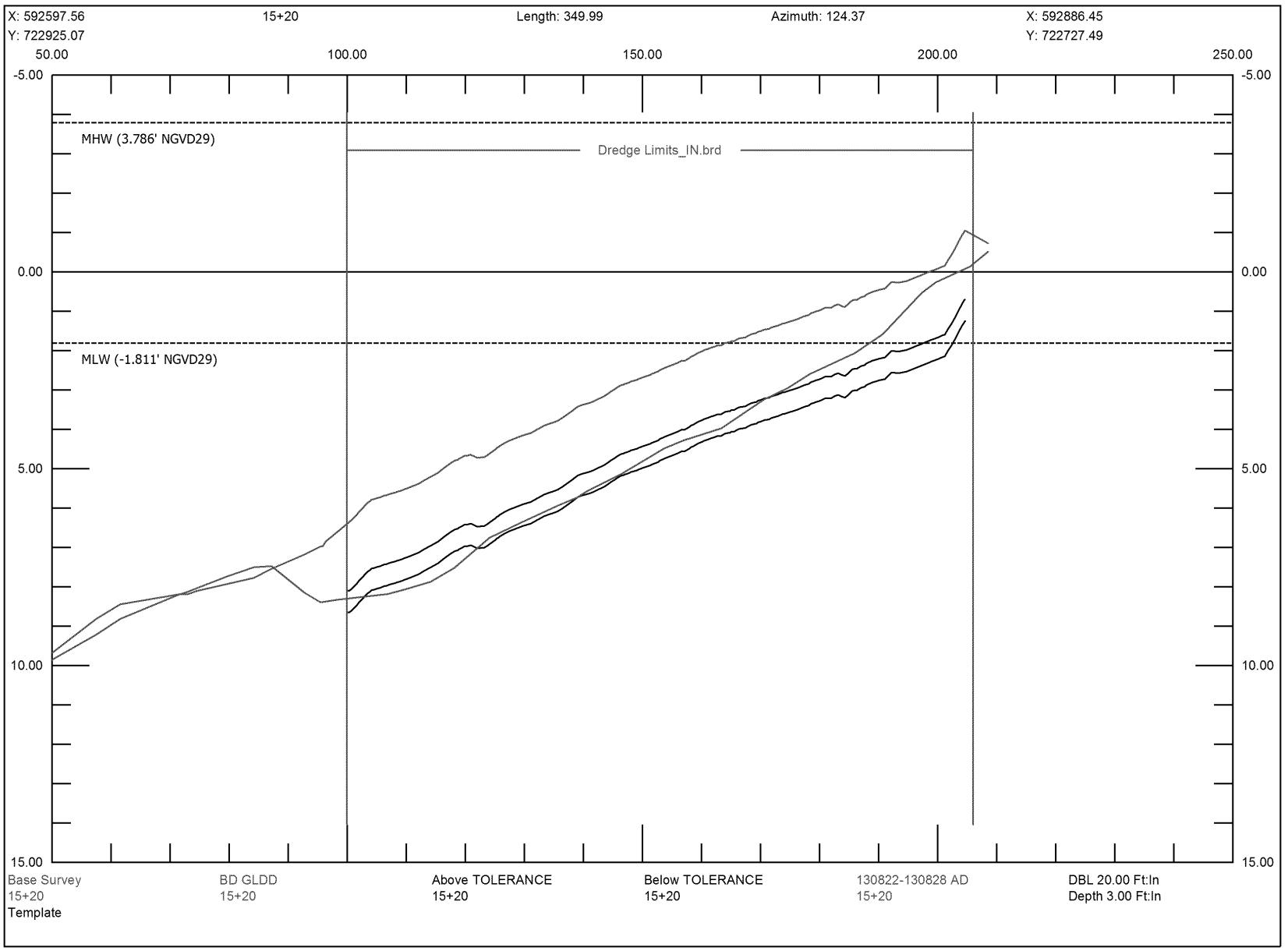

X: 592569.33
Y: 722883.80
14+70
Length: 350.00
Azimuth: 124.37
X: 592858.23
Y: 722686.22
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+70
Template
BD GLDD
14+70
Above TOLERANCE
14+70
Below TOLERANCE
14+70
130822-130828 AD
14+70
DBL 20.00 Ft:In
Depth 3.00 Ft:In

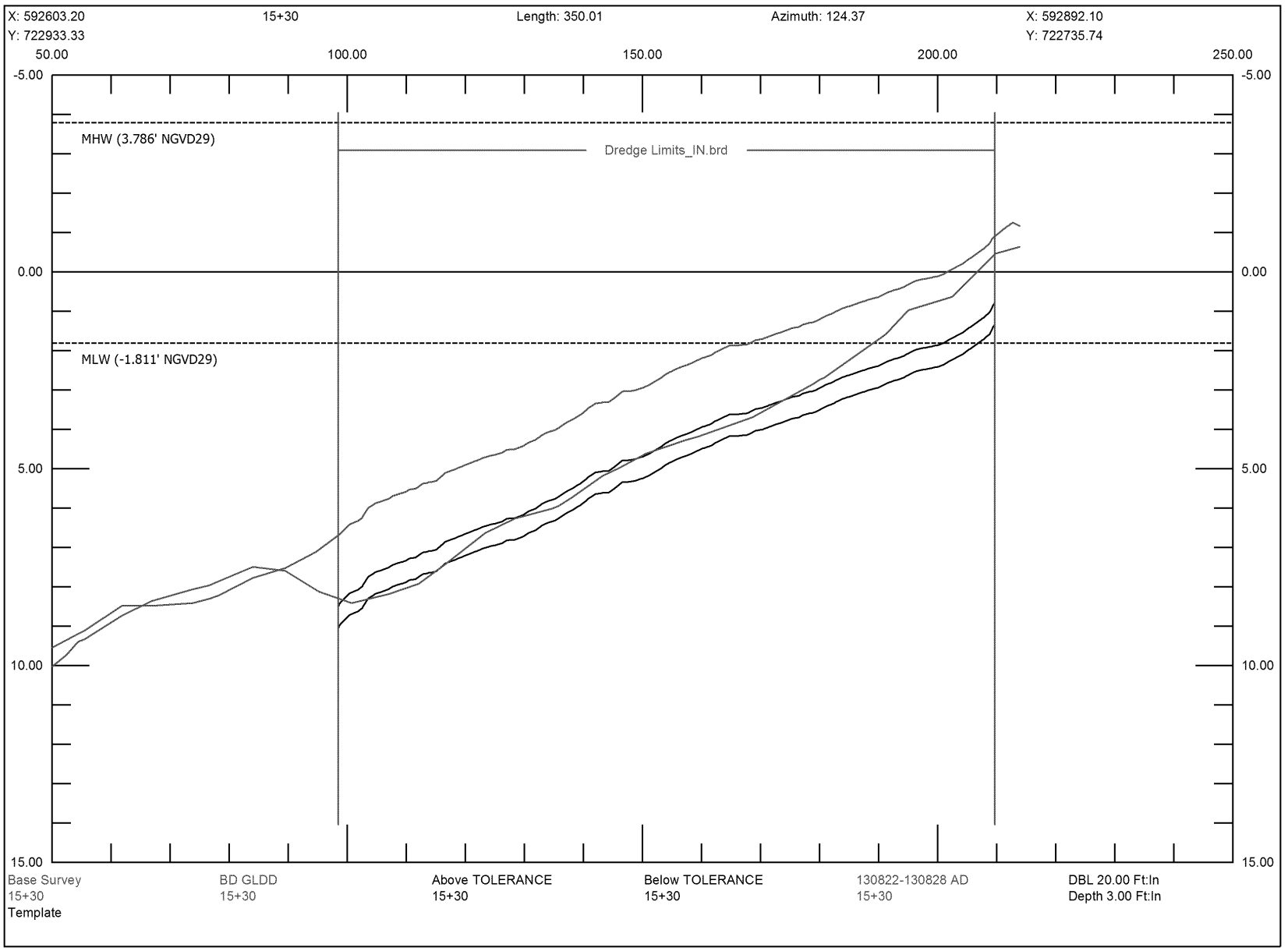

X: 592574.98
Y: 722892.05
14+80
Length: 349.99
Azimuth: 124.37
X: 592863.87
Y: 722694.47
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+80
Template
BD GLDD
14+80
Above TOLERANCE
14+80
Below TOLERANCE
14+80
130822-130828 AD
14+80
DBL 20.00 Ft:In
Depth 3.00 Ft:In

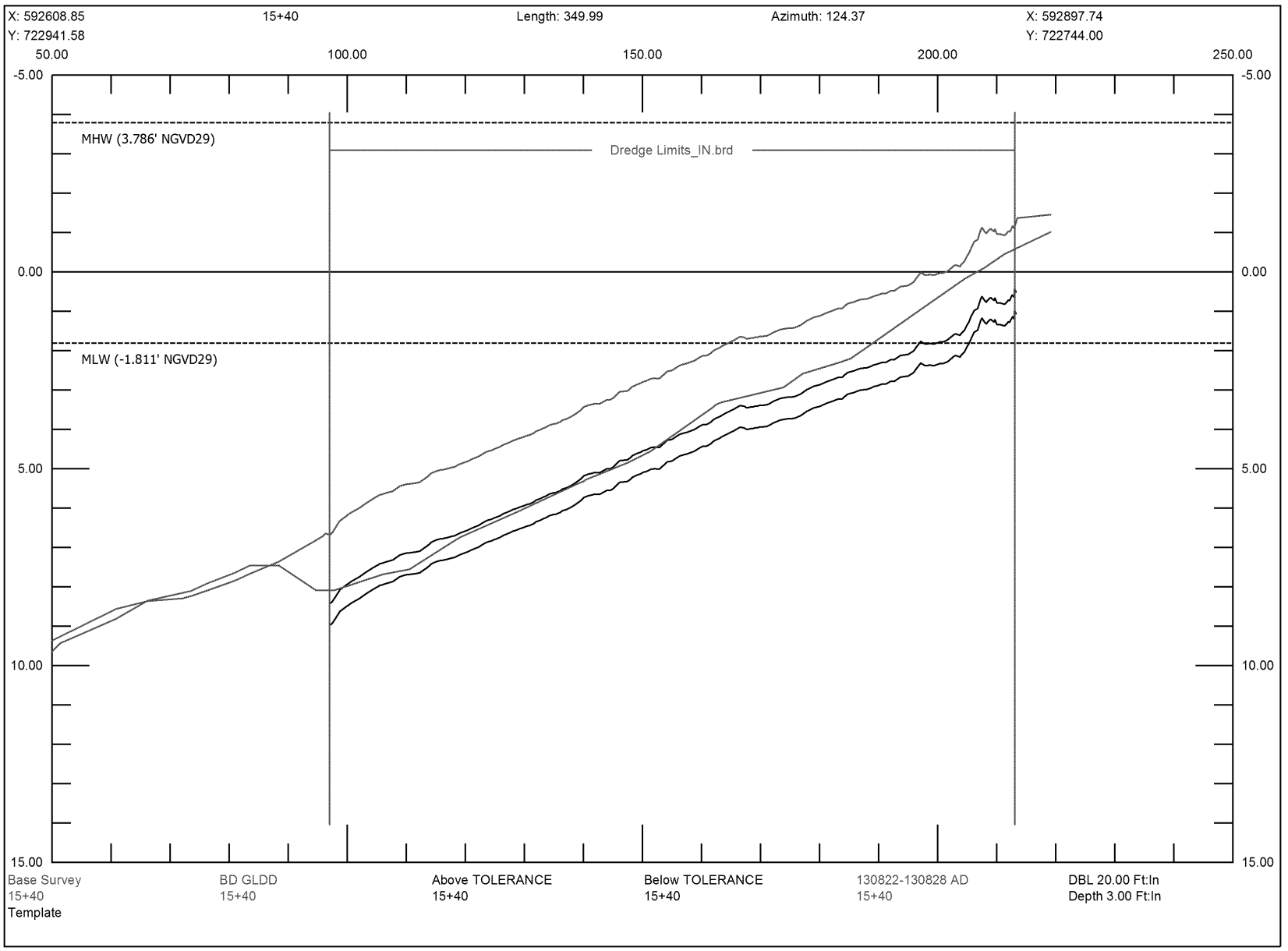

X: 592580.62
Y: 722900.31
14+90
Length: 350.01
Azimuth: 124.37
X: 592869.52
Y: 722702.72
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
14+90
Template
BD GLDD
14+90
Above TOLERANCE
14+90
Below TOLERANCE
14+90
130822-130828 AD
14+90
DBL 20.00 Ft:In
Depth 3.00 Ft:In

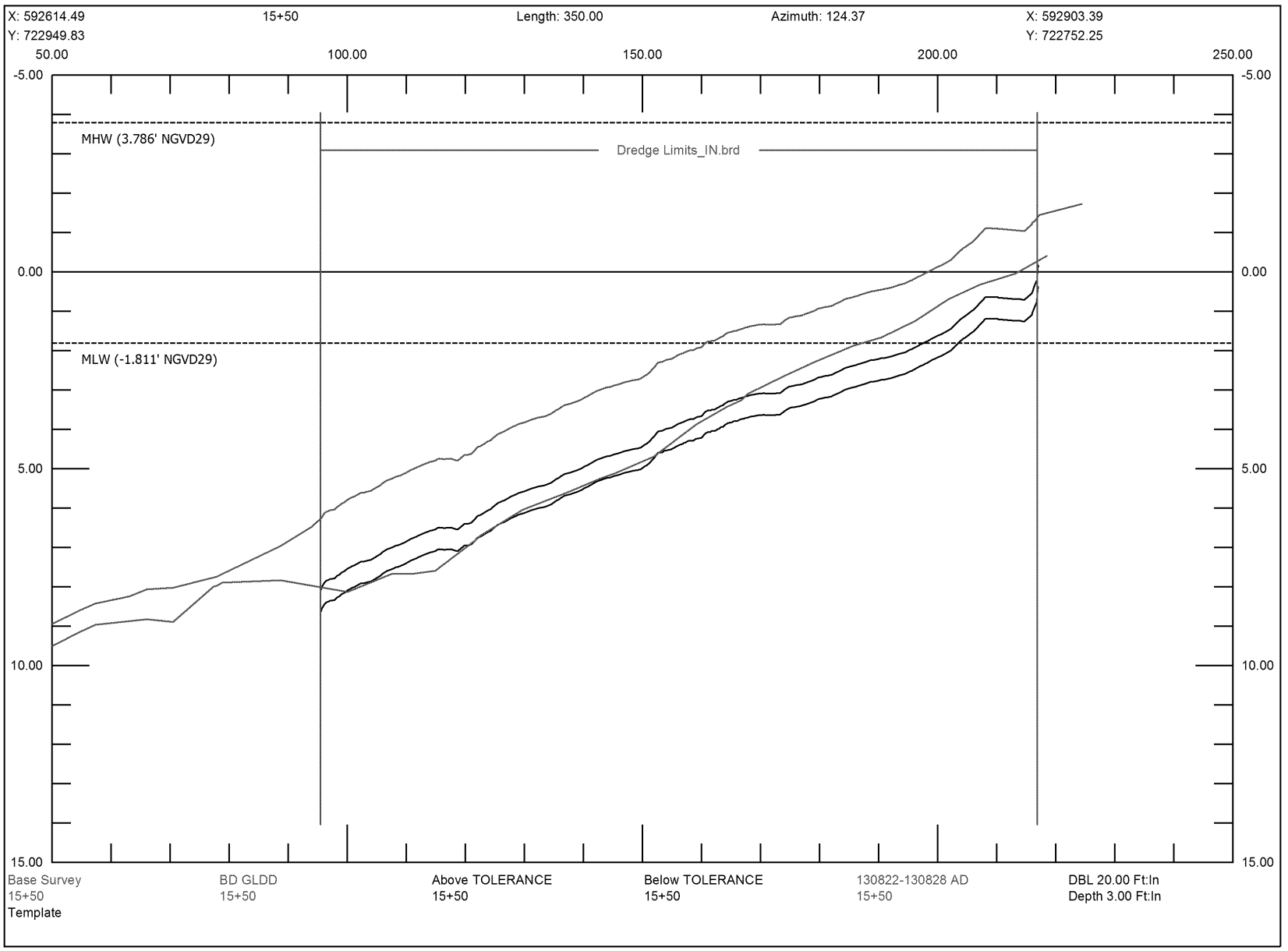

X: 592586.27
Y: 722908.56
15+00
Length: 349.99
Azimuth: 124.37
X: 592875.16
Y: 722710.98
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+00
Template
BD GLDD
15+00
Above TOLERANCE
15+00
Below TOLERANCE
15+00
130822-130828 AD
15+00
DBL 20.00 Ft:In
Depth 3.00 Ft:In

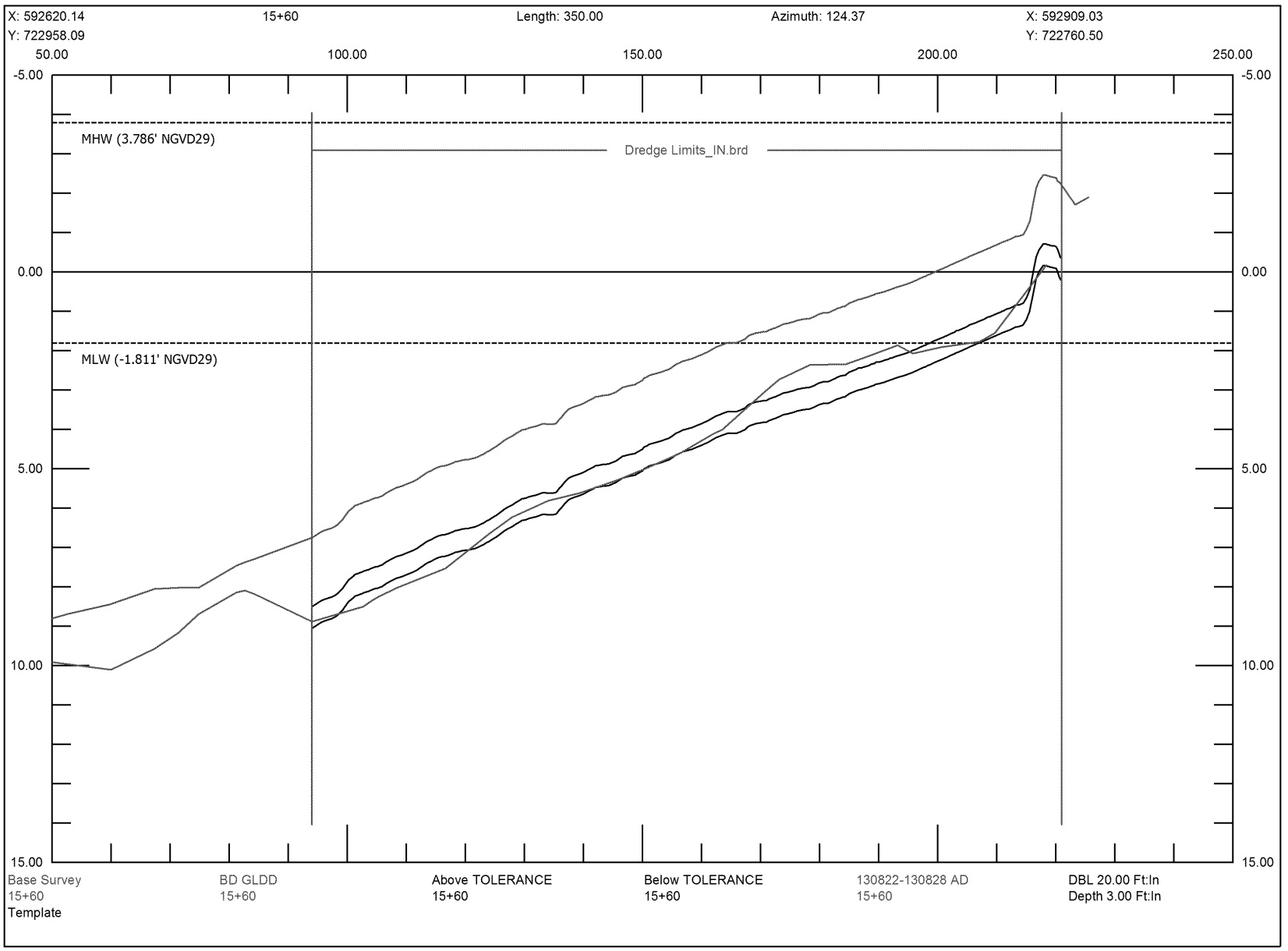

X: 592591.91
Y: 722916.82
15+10
Length: 350.01
Azimuth: 124.37
X: 592880.81
Y: 722719.23
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+10
Template
BD GLDD
15+10
Above TOLERANCE
15+10
Below TOLERANCE
15+10
130822-130828 AD
15+10
DBL 20.00 Ft:In
Depth 3.00 Ft:In

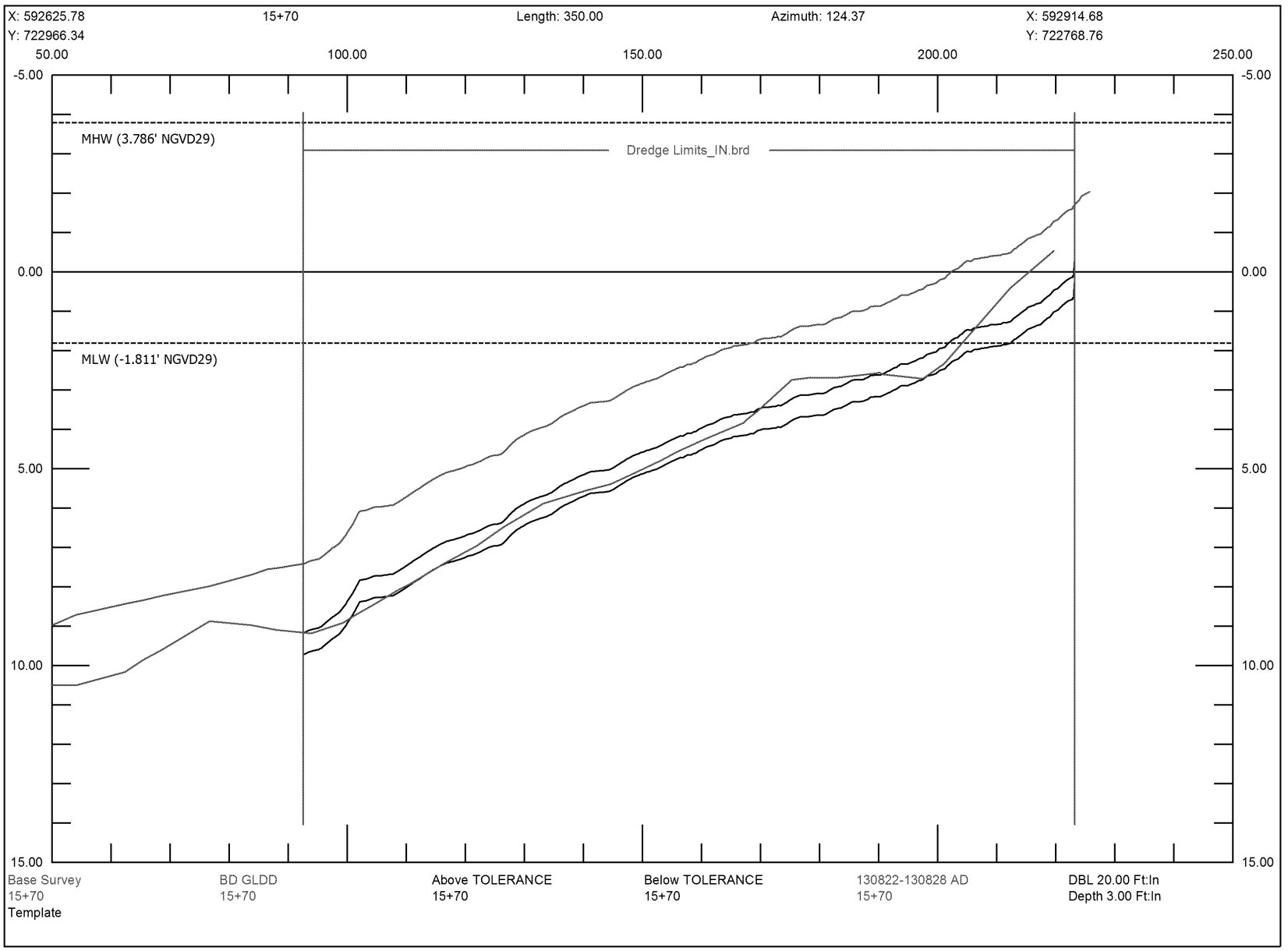

X: 592597.56
Y: 722925.07
15+20
Length: 349.99
Azimuth: 124.37
X: 592886.45
Y: 722727.49
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+20
Template
BD GLDD
15+20
Above TOLERANCE
15+20
Below TOLERANCE
15+20
130822-130828 AD
15+20
DBL 20.00 Ft:In
Depth 3.00 Ft:In

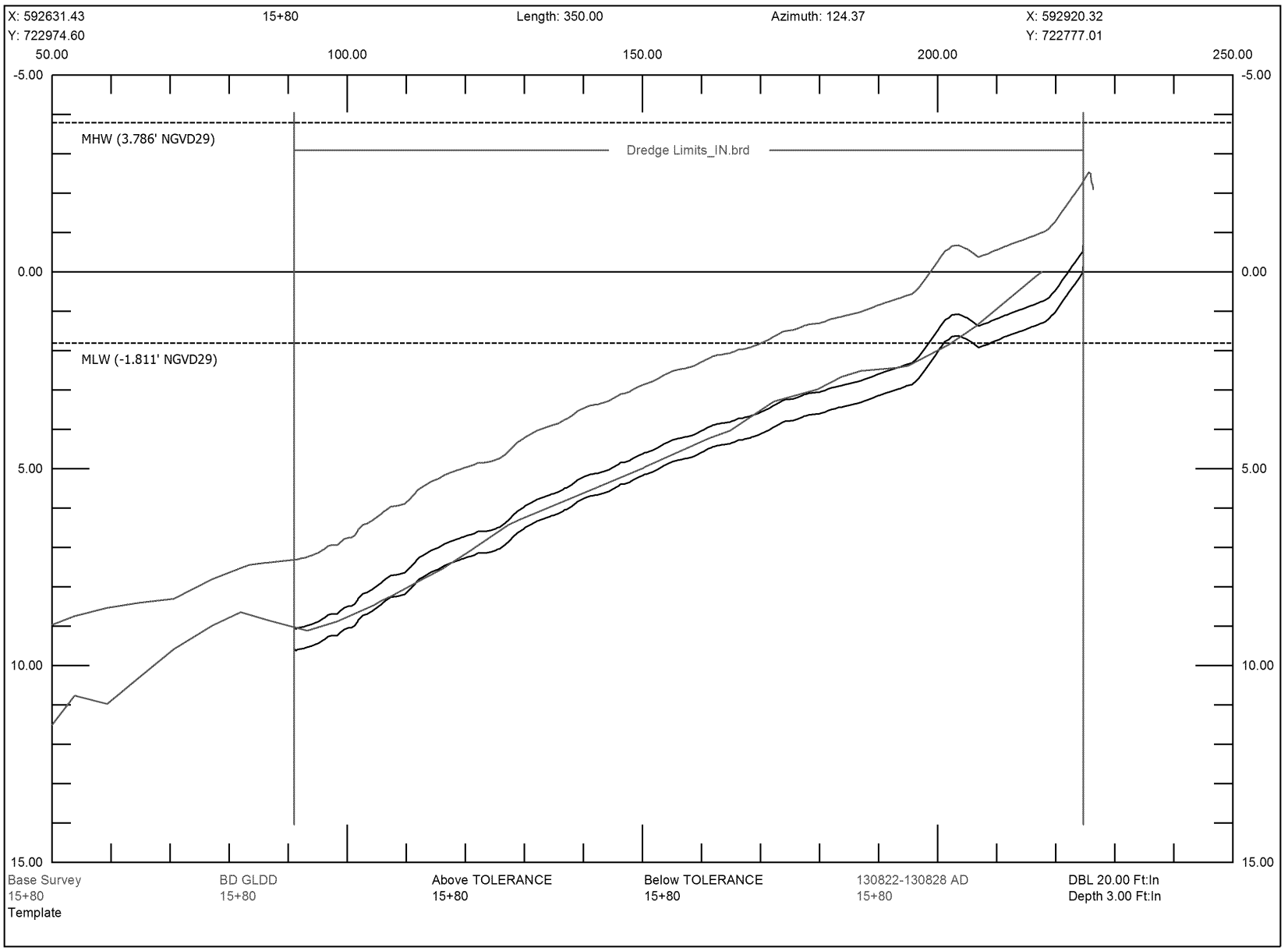

X: 592603.20
Y: 722933.33
15+30
Length: 350.01
Azimuth: 124.37
X: 592892.10
Y: 722735.74
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+30
Template
BD GLDD
15+30
Above TOLERANCE
15+30
Below TOLERANCE
15+30
130822-130828 AD
15+30
DBL 20.00 Ft:In
Depth 3.00 Ft:In

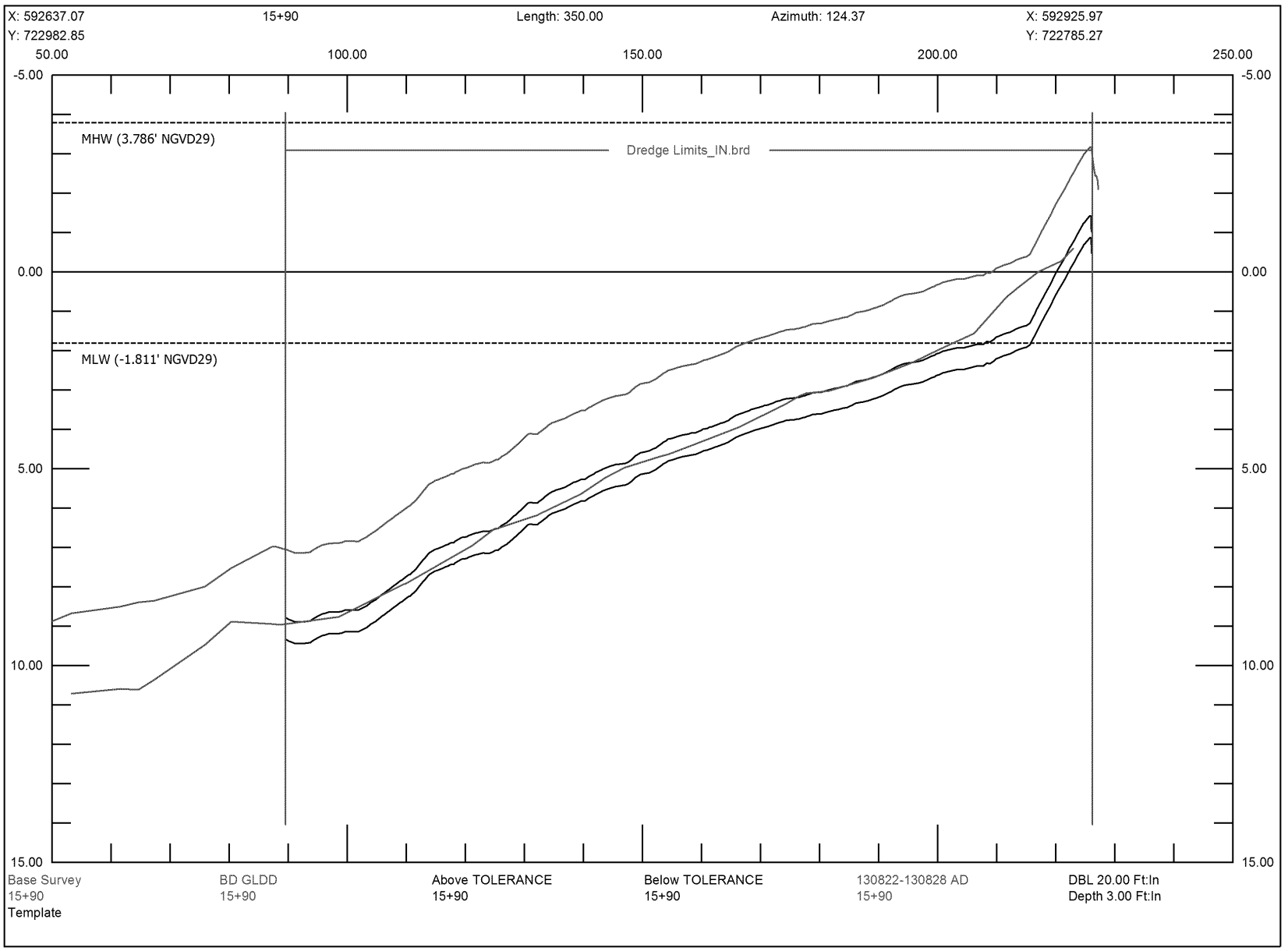

X: 592608.85
Y: 722941.58
15+40
Length: 349.99
Azimuth: 124.37
X: 592897.74
Y: 722744.00
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+40
Template
BD GLDD
15+40
Above TOLERANCE
15+40
Below TOLERANCE
15+40
130822-130828 AD
15+40
DBL 20.00 Ft:In
Depth 3.00 Ft:In

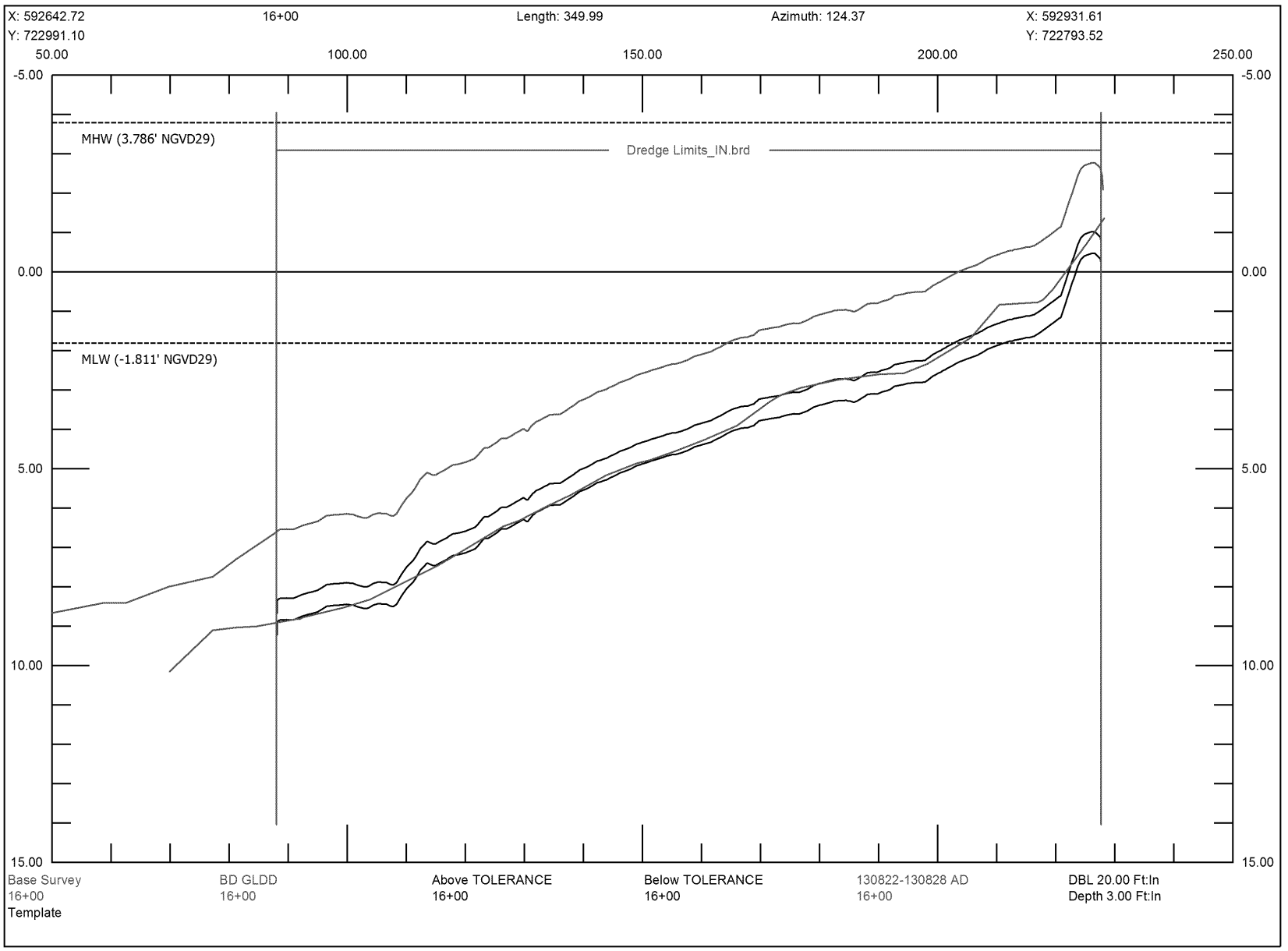

X: 592614.49
Y: 722949.83
15+50
Length: 350.00
Azimuth: 124.37
X: 592903.39
Y: 722752.25
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+50
Template
BD GLDD
15+50
Above TOLERANCE
15+50
Below TOLERANCE
15+50
130822-130828 AD
15+50
DBL 20.00 Ft:In
Depth 3.00 Ft:In

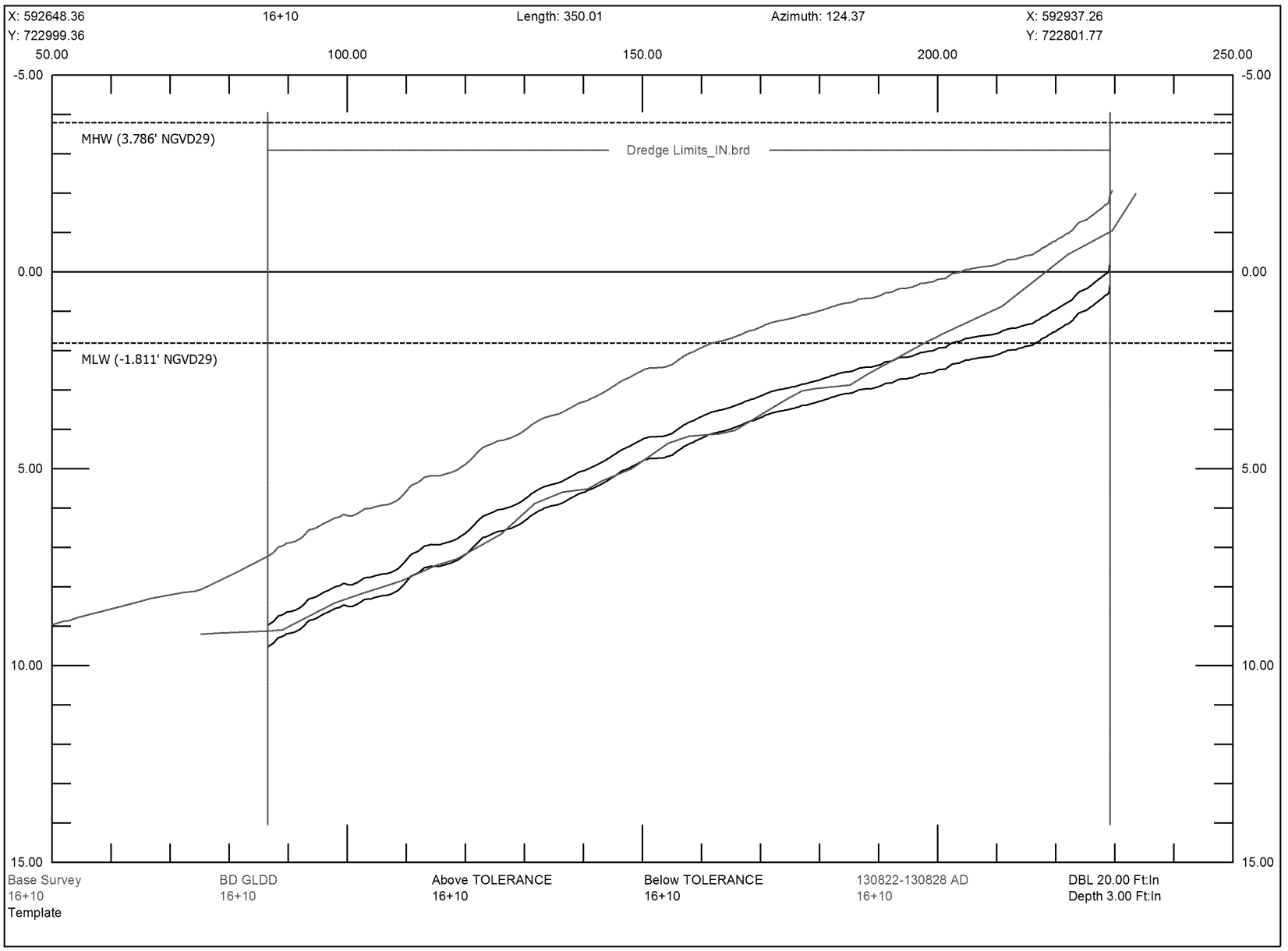

X: 592620.14
Y: 722958.09
15+60
Length: 350.00
Azimuth: 124.37
X: 592909.03
Y: 722760.50
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+60
Template
BD GLDD
15+60
Above TOLERANCE
15+60
Below TOLERANCE
15+60
130822-130828 AD
15+60
DBL 20.00 Ft:In
Depth 3.00 Ft:In

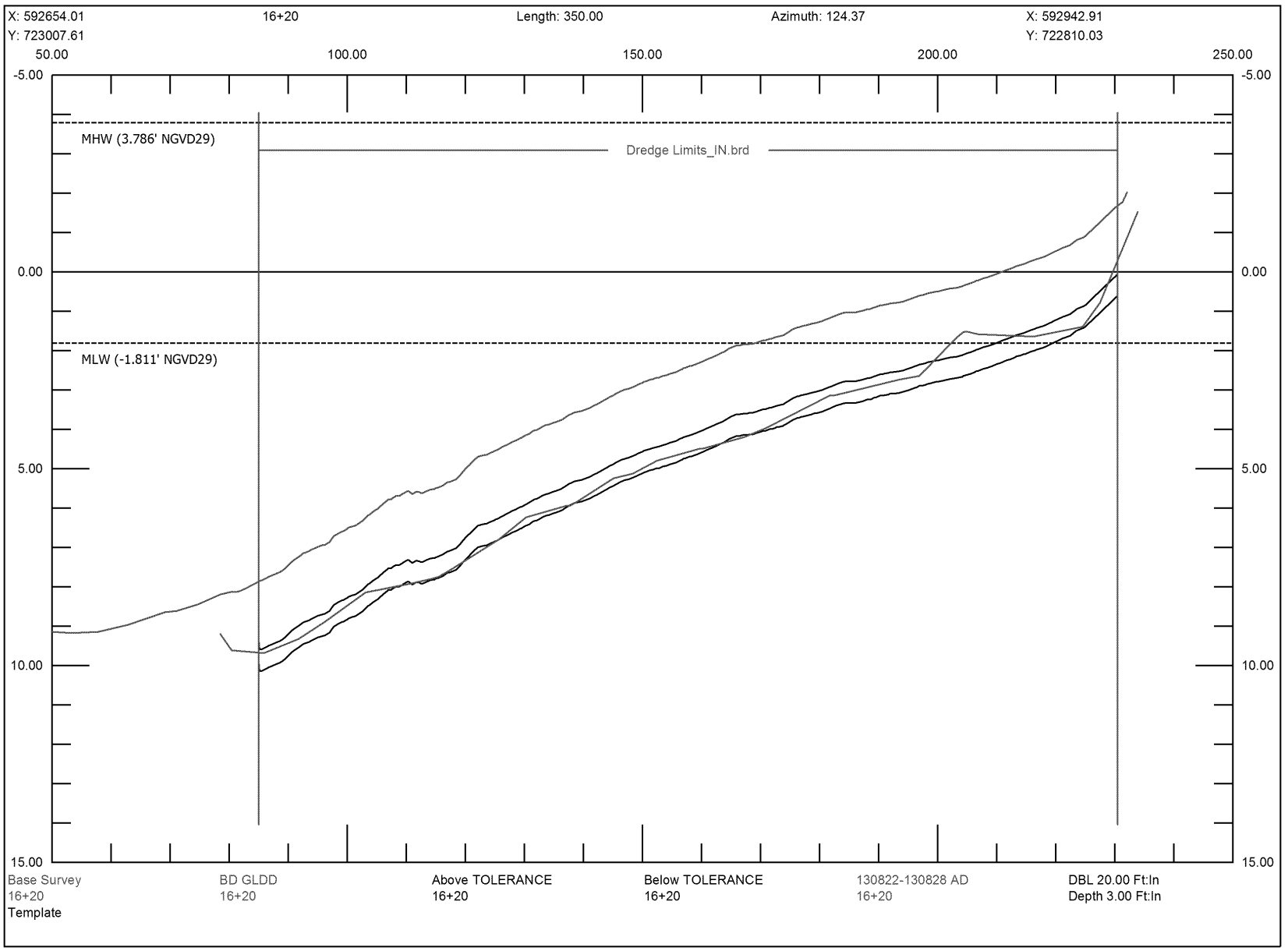

X: 592625.78
Y: 722966.34
15+70
Length: 350.00
Azimuth: 124.37
X: 592914.68
Y: 722768.76
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+70
Template
BD GLDD
15+70
Above TOLERANCE
15+70
Below TOLERANCE
15+70
130822-130828 AD
15+70
DBL 20.00 Ft:In
Depth 3.00 Ft:In

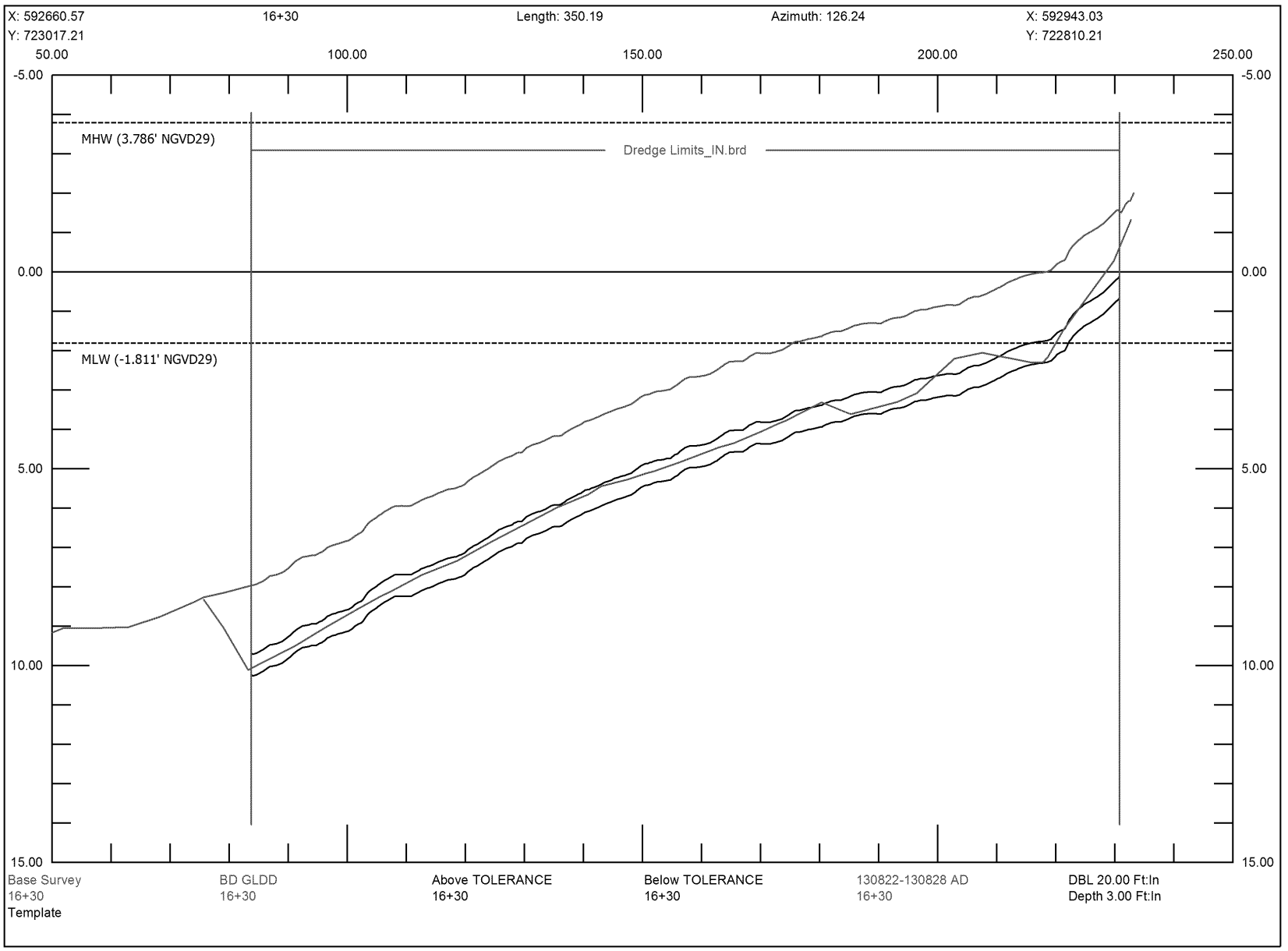

X: 592631.43
Y: 722974.60
15+80
Length: 350.00
Azimuth: 124.37
X: 592920.32
Y: 722777.01
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+80
Template
BD GLDD
15+80
Above TOLERANCE
15+80
Below TOLERANCE
15+80
130822-130828 AD
15+80
DBL 20.00 Ft:In
Depth 3.00 Ft:In

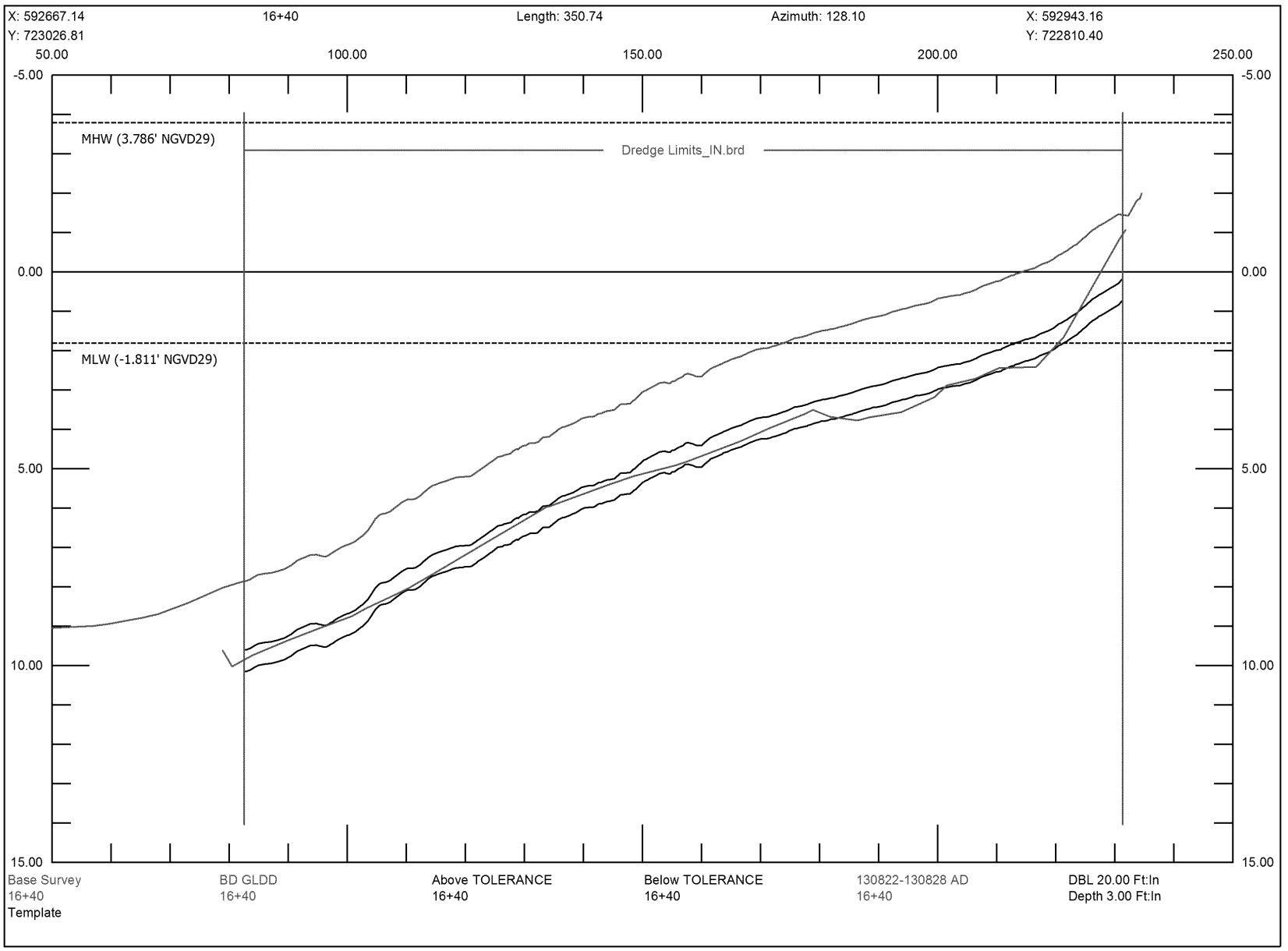

X: 592637.07
Y: 722982.85
15+90
Length: 350.00
Azimuth: 124.37
X: 592925.97
Y: 722785.27
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
15+90
Template
BD GLDD
15+90
Above TOLERANCE
15+90
Below TOLERANCE
15+90
130822-130828 AD
15+90
DBL 20.00 Ft:In
Depth 3.00 Ft:In

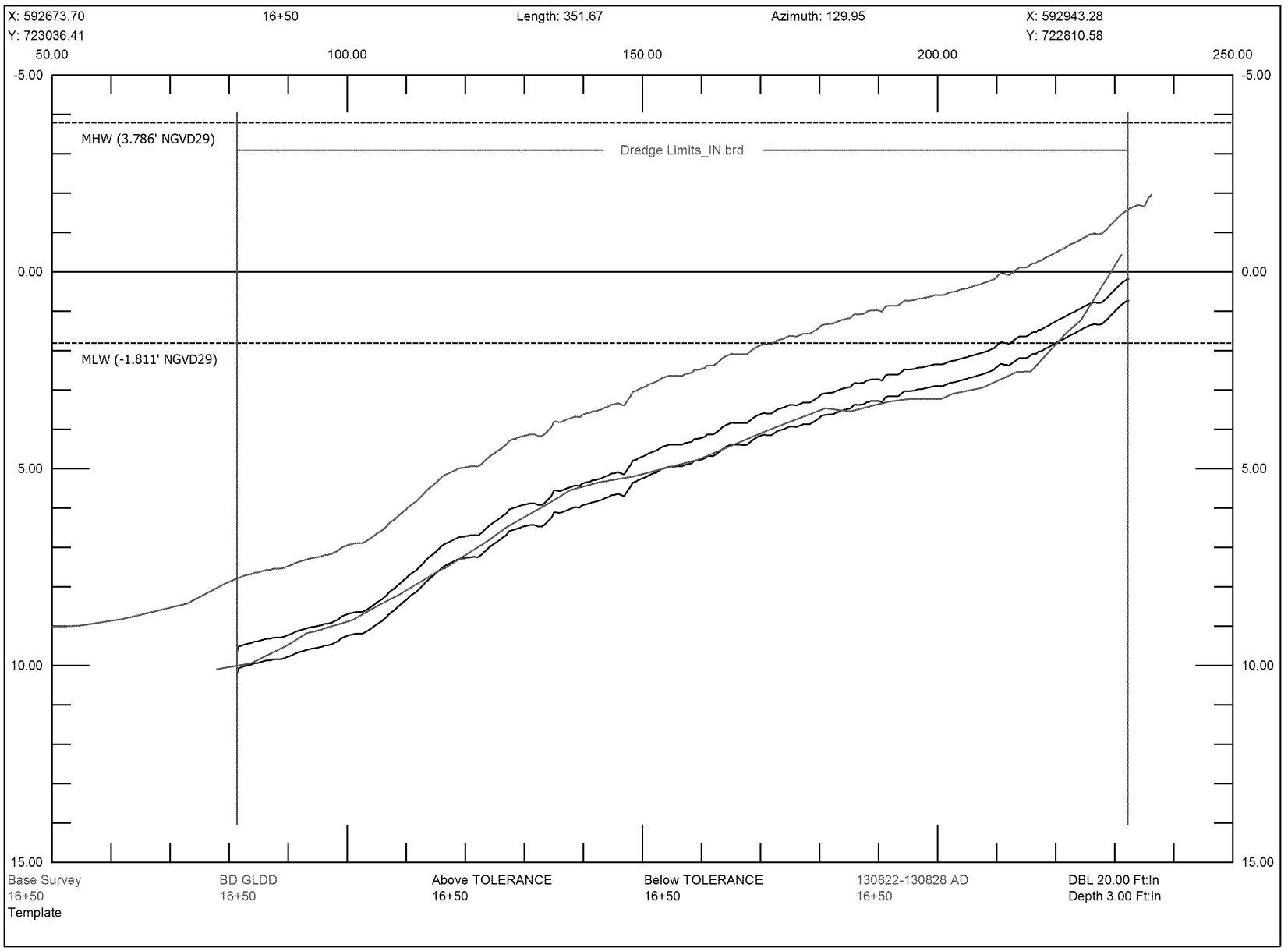

X: 592642.72
Y: 722991.10
16+00
Length: 349.99
Azimuth: 124.37
X: 592931.61
Y: 722793.52
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
16+00
Template
BD GLDD
16+00
Above TOLERANCE
16+00
Below TOLERANCE
16+00
130822-130828 AD
16+00
DBL 20.00 Ft:In
Depth 3.00 Ft:In

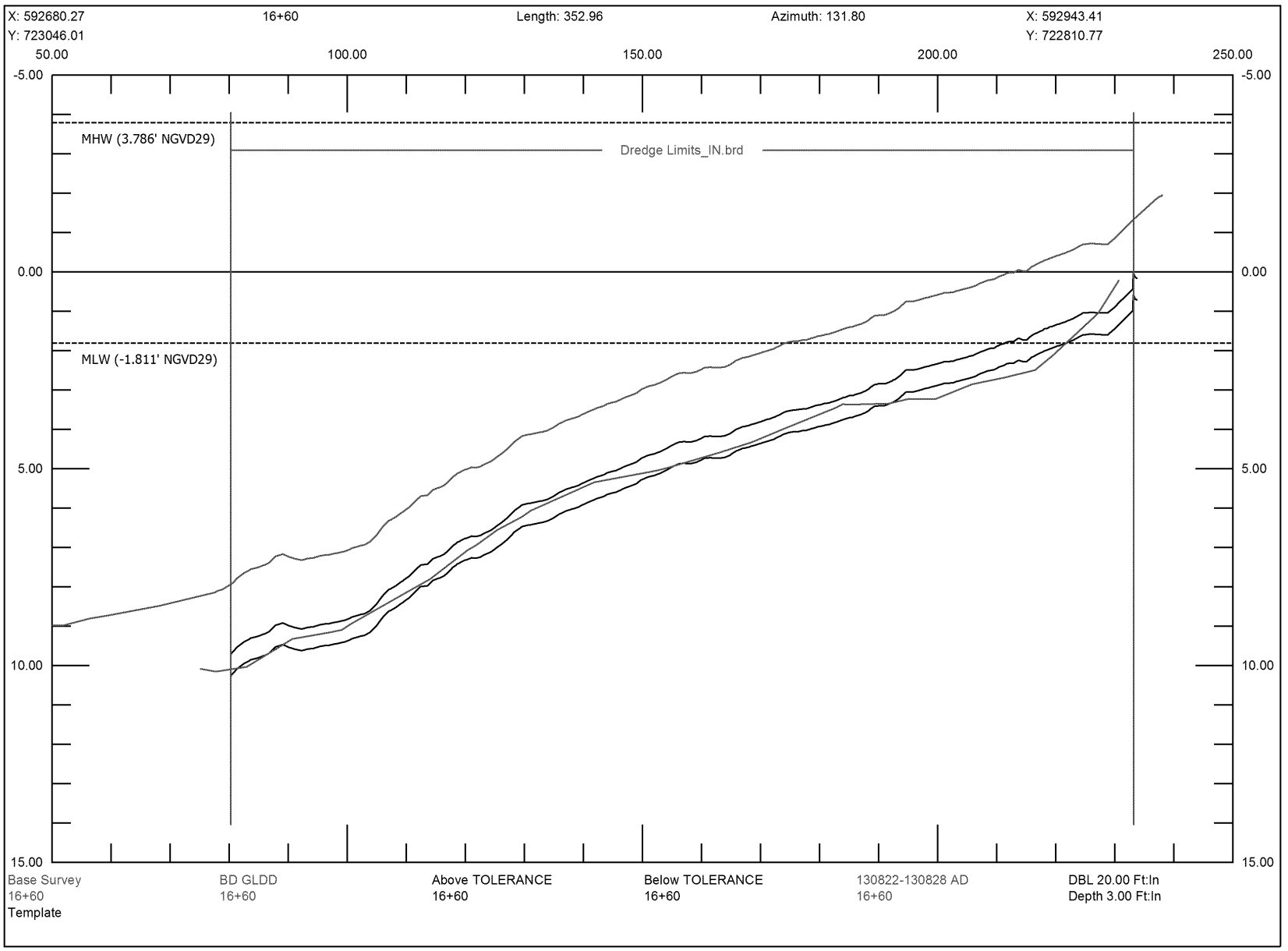

X: 592648.36
Y: 722999.36
16+10
Length: 350.01
Azimuth: 124.37
X: 592937.26
Y: 722801.77
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
16+10
Template
BD GLDD
16+10
Above TOLERANCE
16+10
Below TOLERANCE
16+10
130822-130828 AD
16+10
DBL 20.00 Ft:In
Depth 3.00 Ft:In

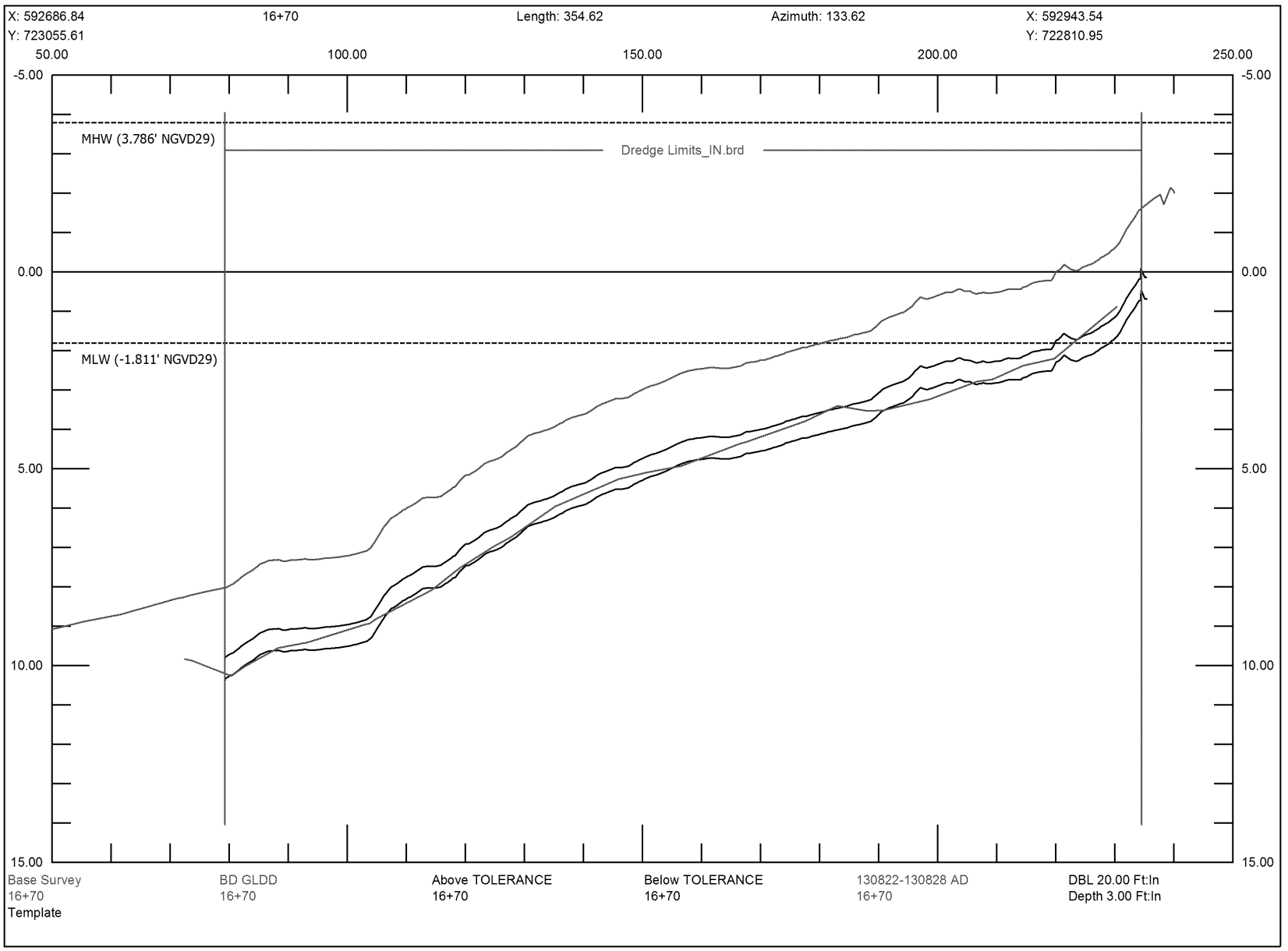

X: 592654.01
Y: 723007.61
16+20
Length: 350.00
Azimuth: 124.37
X: 592942.91
Y: 722810.03
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
16+20
Template
BD GLDD
16+20
Above TOLERANCE
16+20
Below TOLERANCE
16+20
130822-130828 AD
16+20
DBL 20.00 Ft:In
Depth 3.00 Ft:In

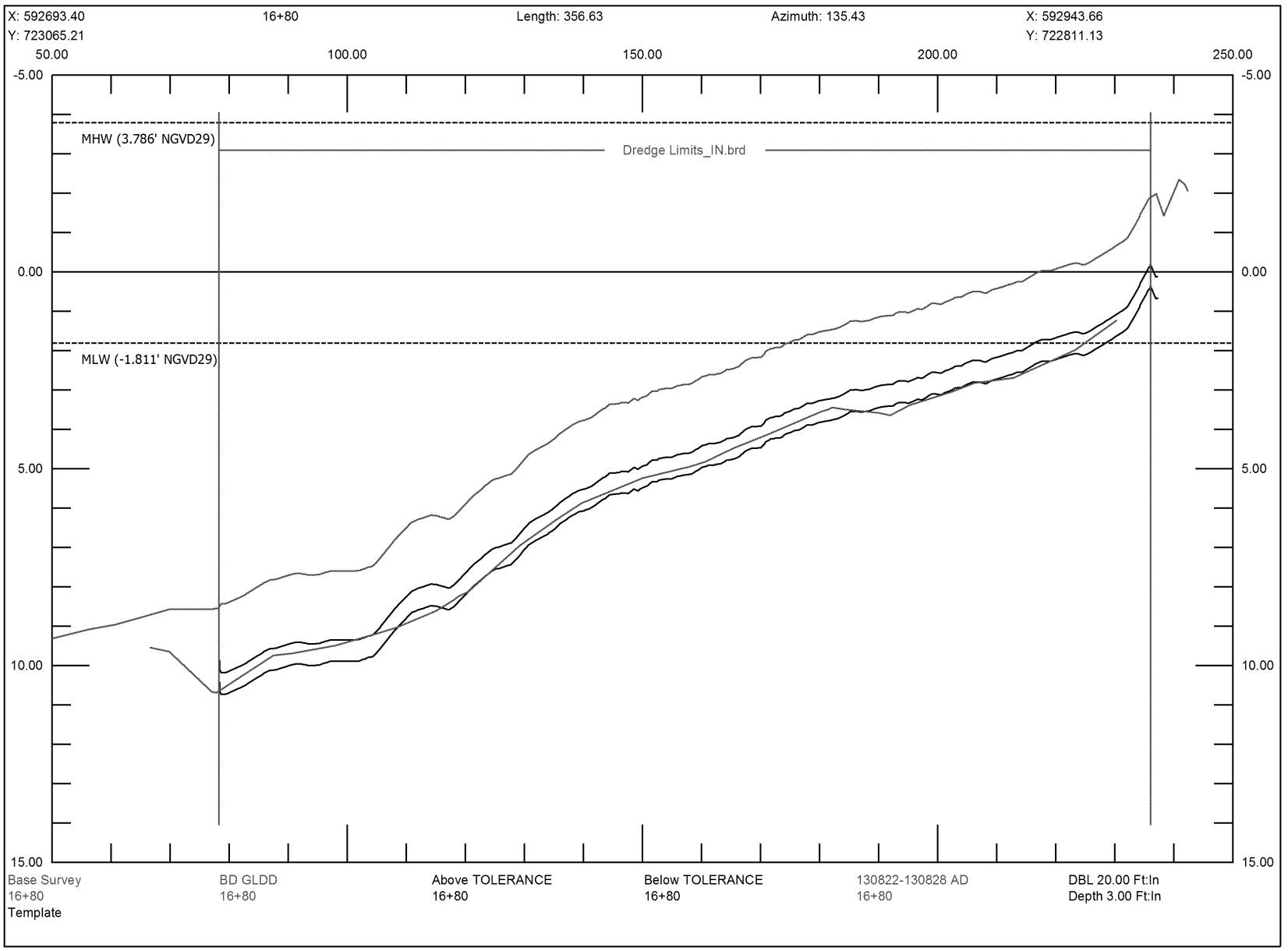

X: 592660.57
Y: 723017.21
16+30
Length: 350.19
Azimuth: 126.24
X: 592943.03
Y: 722810.21
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
16+30
Template
BD GLDD
16+30
Above TOLERANCE
16+30
Below TOLERANCE
16+30
130822-130828 AD
16+30
DBL 20.00 Ft:In
Depth 3.00 Ft:In

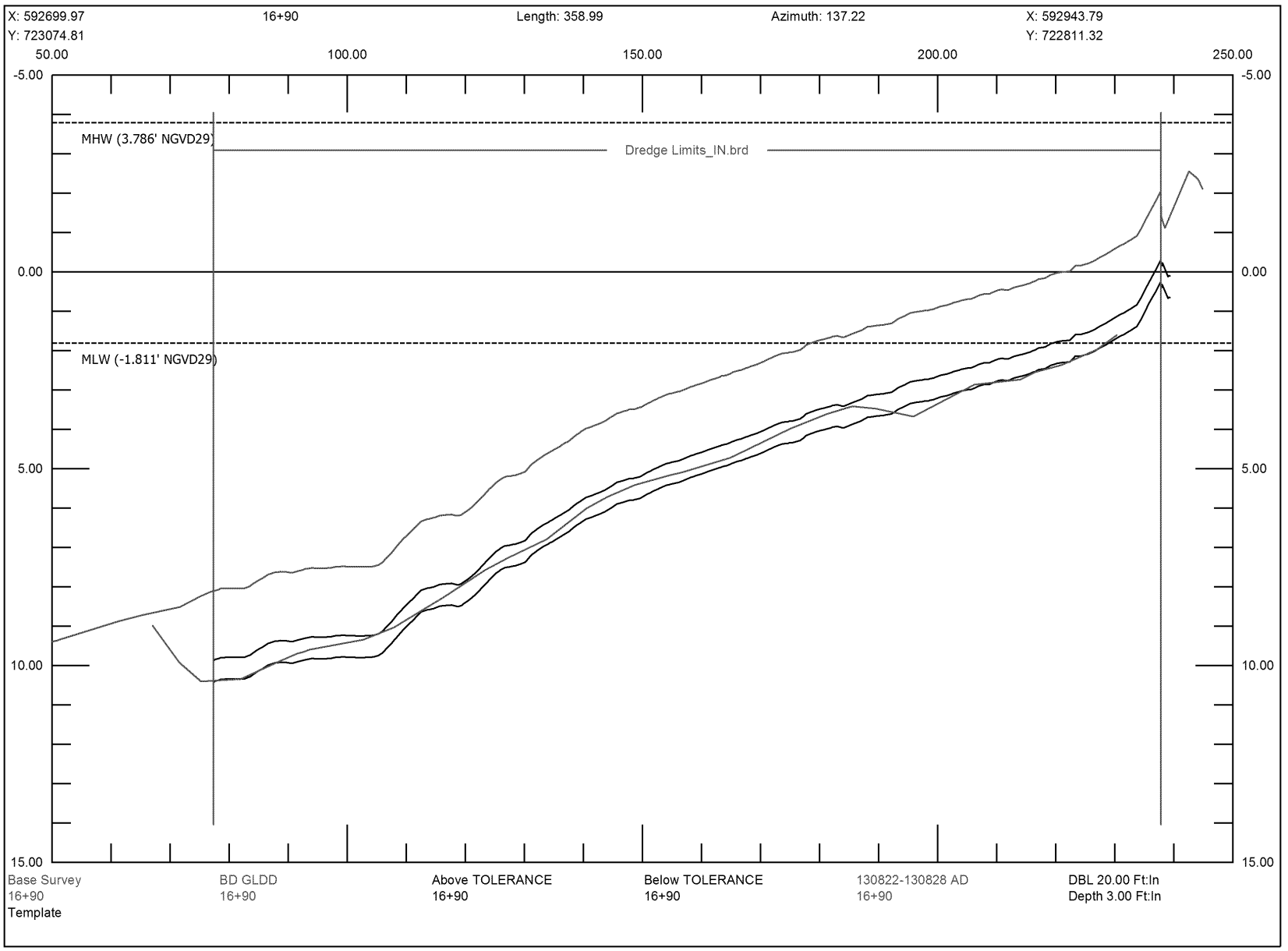

X: 592667.14
Y: 723026.81
16+40
Length: 350.74
Azimuth: 128.10
X: 592943.16
Y: 722810.40
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
16+40
Template
BD GLDD
16+40
Above TOLERANCE
16+40
Below TOLERANCE
16+40
130822-130828 AD
16+40
DBL 20.00 Ft:In
Depth 3.00 Ft:In

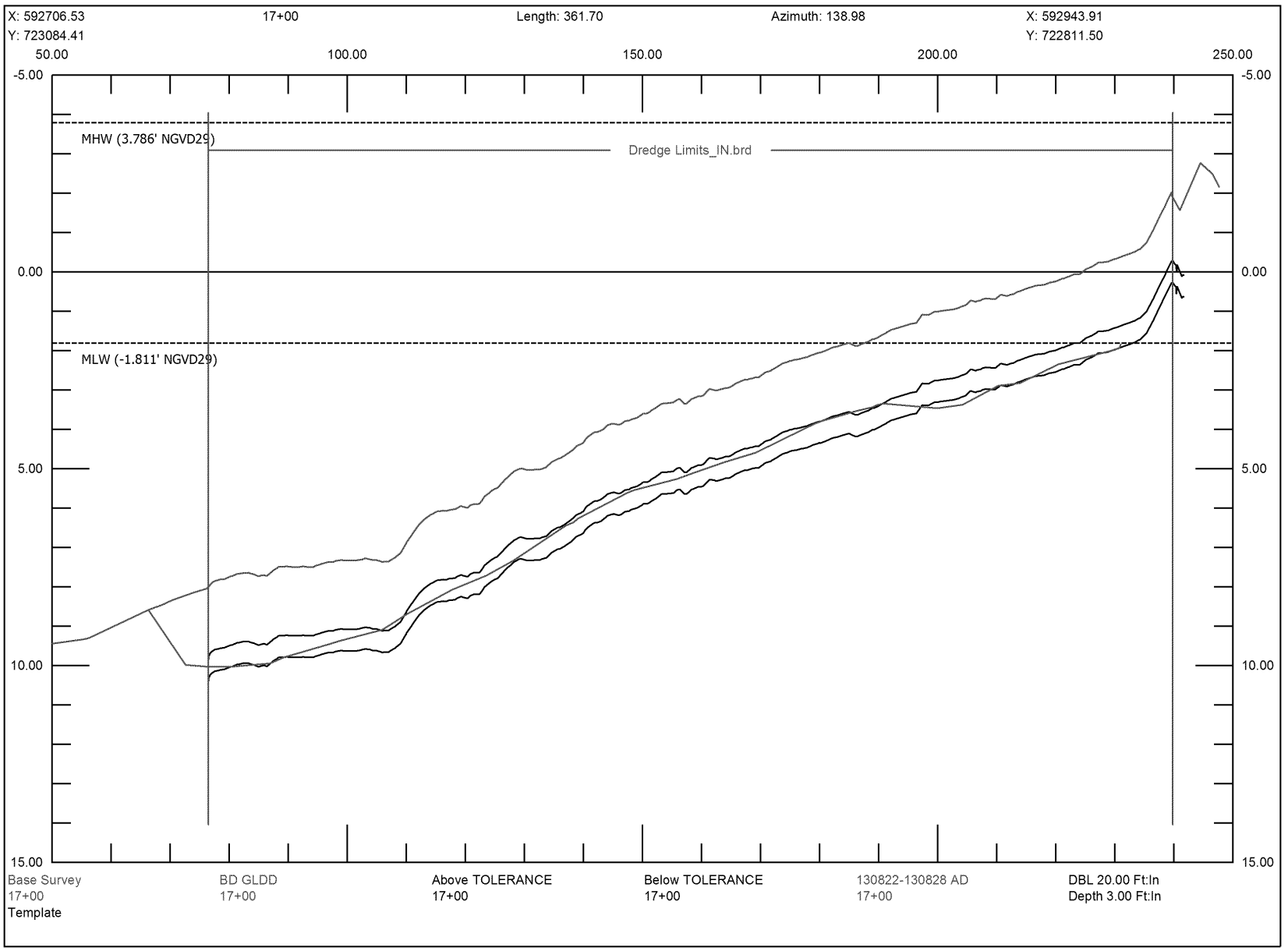

X: 592673.70
Y: 723036.41
16+50
Length: 351.67
Azimuth: 129.95
X: 592943.28
Y: 722810.58
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
16+50
Template
BD GLDD
16+50
Above TOLERANCE
16+50
Below TOLERANCE
16+50
130822-130828 AD
16+50
DBL 20.00 Ft:In
Depth 3.00 Ft:In

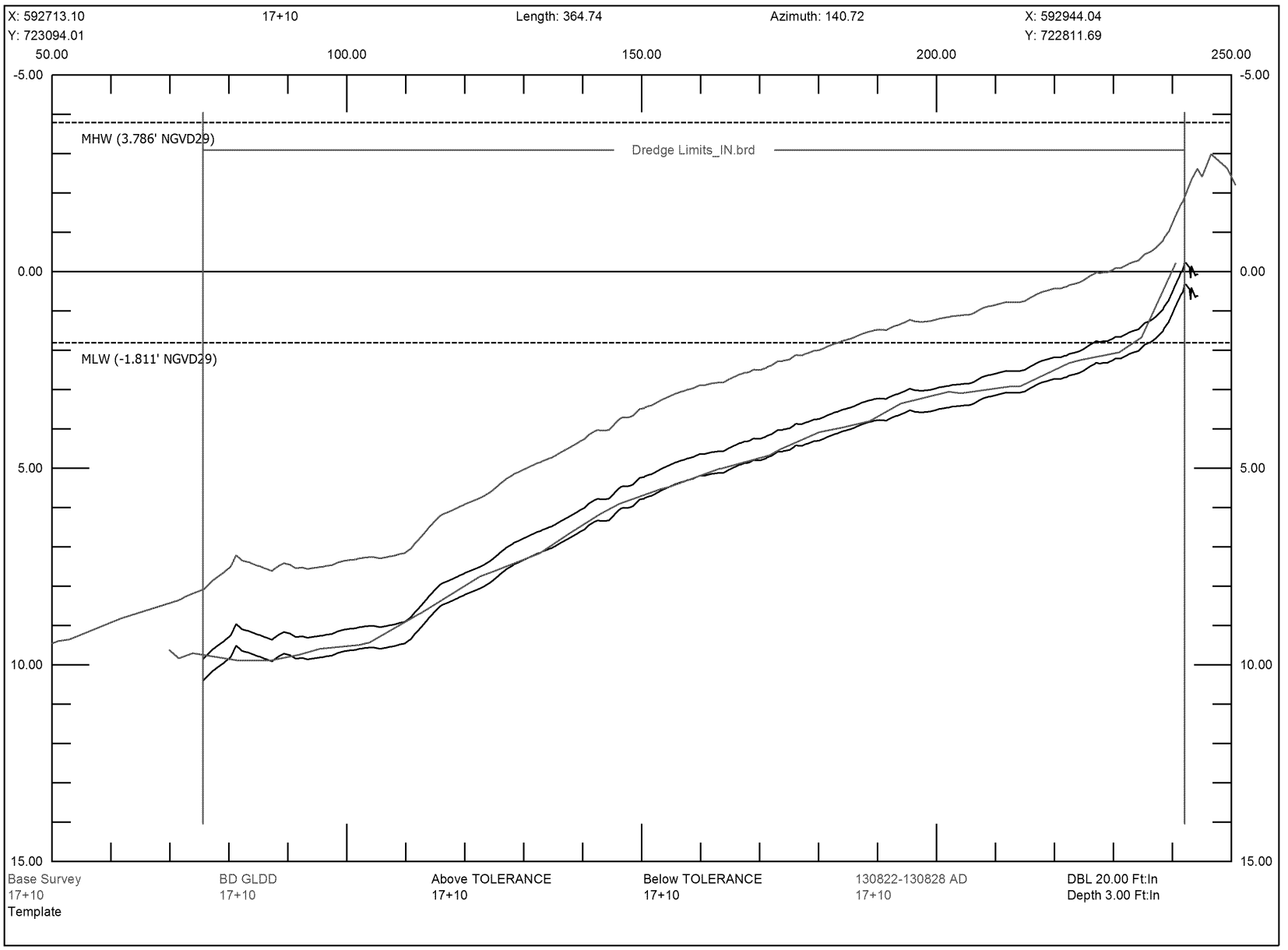

X: 592680.27
Y: 723046.01
16+60
Length: 352.96
Azimuth: 131.80
X: 592943.41
Y: 722810.77
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
16+60
Template
BD GLDD
16+60
Above TOLERANCE
16+60
Below TOLERANCE
16+60
130822-130828 AD
16+60
DBL 20.00 Ft:In
Depth 3.00 Ft:In

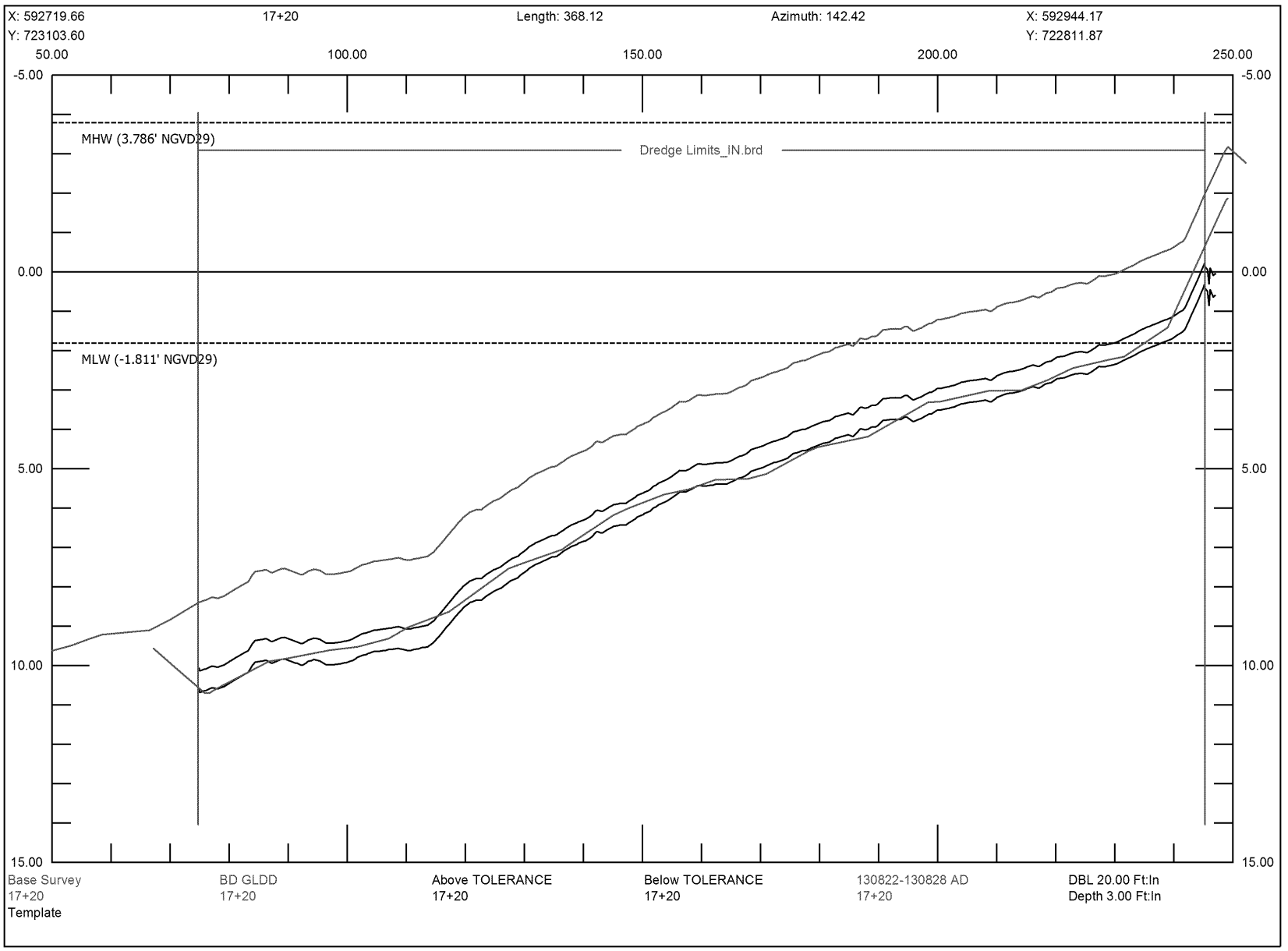

X: 592686.84
Y: 723055.61
16+70
Length: 354.62
Azimuth: 133.62
X: 592943.54
Y: 722810.95
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
MLW (-1.811' NGVD29)
Dredge Limits_IN.brd
Base Survey
16+70
Template
BD GLDD
16+70
Above TOLERANCE
16+70
Below TOLERANCE
16+70
130822-130828 AD
16+70
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592693.40
Y: 723065.21
16+80
Length: 356.63
Azimuth: 135.43
X: 592943.66
Y: 722811.13
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
16+80
Template
BD GLDD
16+80
Above TOLERANCE
16+80
Below TOLERANCE
16+80
130822-130828 AD
16+80
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592699.97
Y: 723074.81
16+90
Length: 358.99
Azimuth: 137.22
X: 592943.79
Y: 722811.32
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
16+90
Template
BD GLDD
16+90
Above TOLERANCE
16+90
Below TOLERANCE
16+90
130822-130828 AD
16+90
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592706.53
Y: 723084.41
17+00
Length: 361.70
Azimuth: 138.98
X: 592943.91
Y: 722811.50
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+00
Template
BD GLDD
17+00
Above TOLERANCE
17+00
Below TOLERANCE
17+00
130822-130828 AD
17+00
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592713.10
Y: 723094.01
17+10
Length: 364.74
Azimuth: 140.72
X: 592944.04
Y: 722811.69
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+10
Template
BD GLDD
17+10
Above TOLERANCE
17+10
Below TOLERANCE
17+10
130822-130828 AD
17+10
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592719.66
Y: 723103.60
17+20
Length: 368.12
Azimuth: 142.42
X: 592944.17
Y: 722811.87
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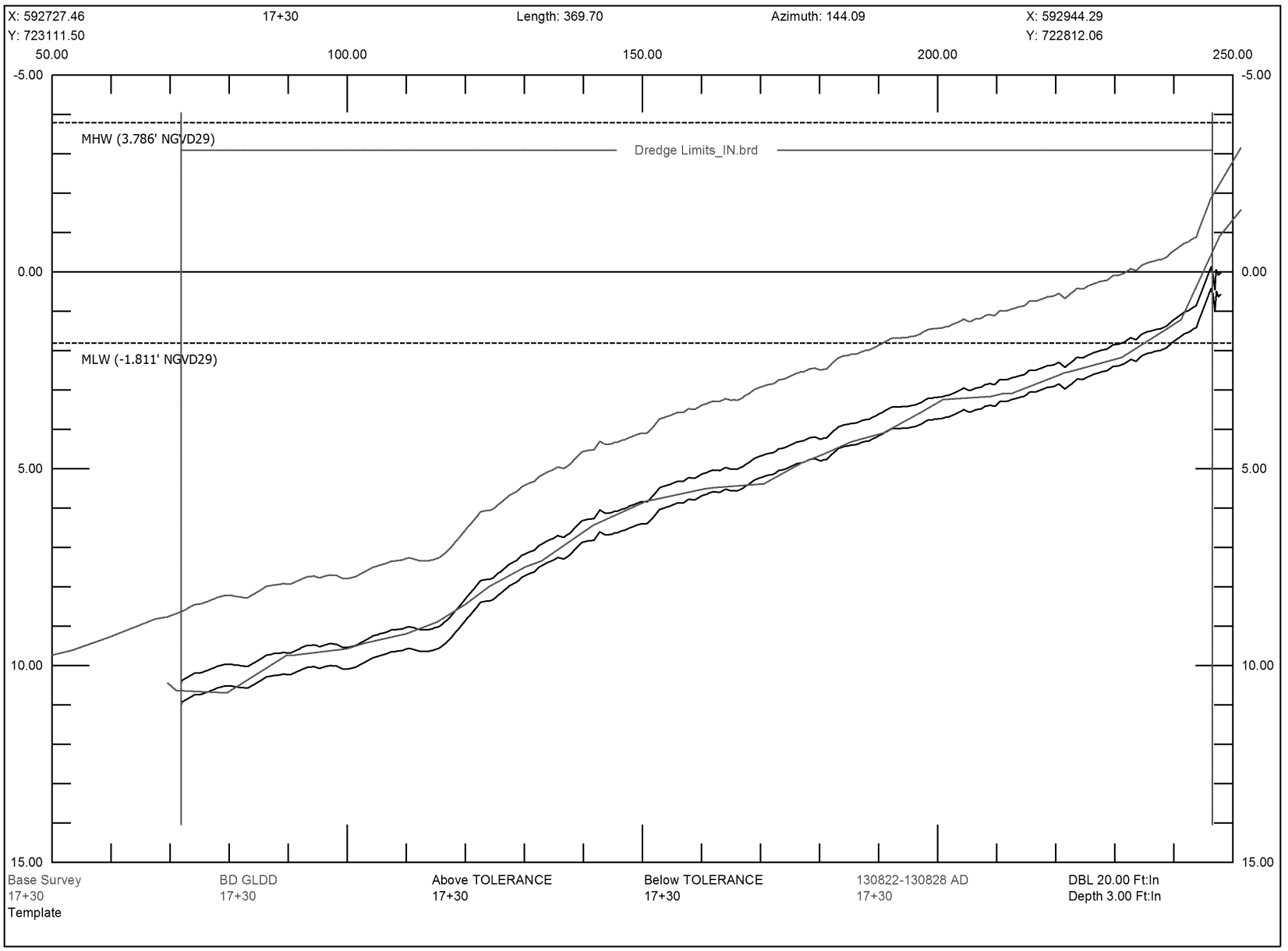
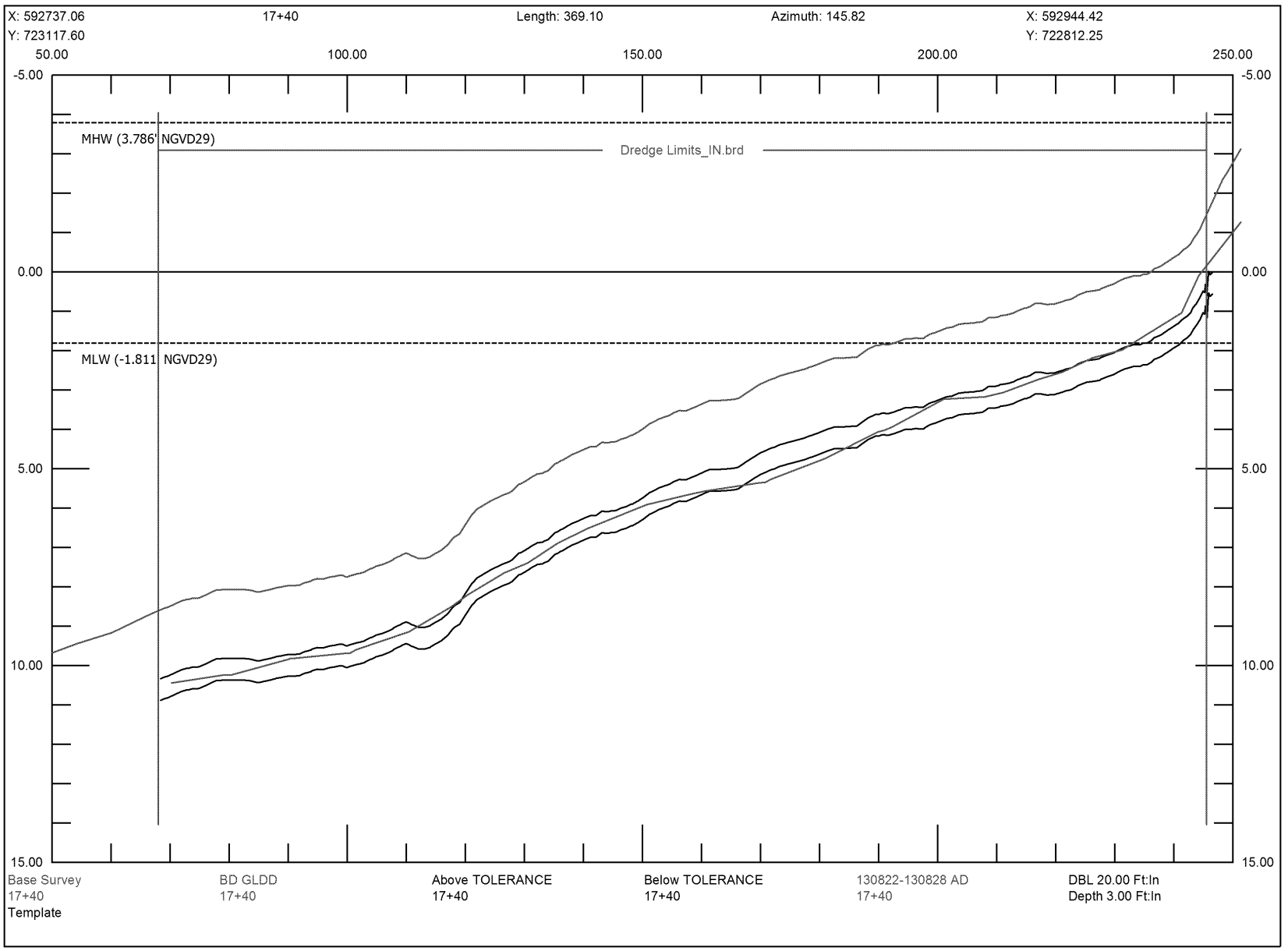
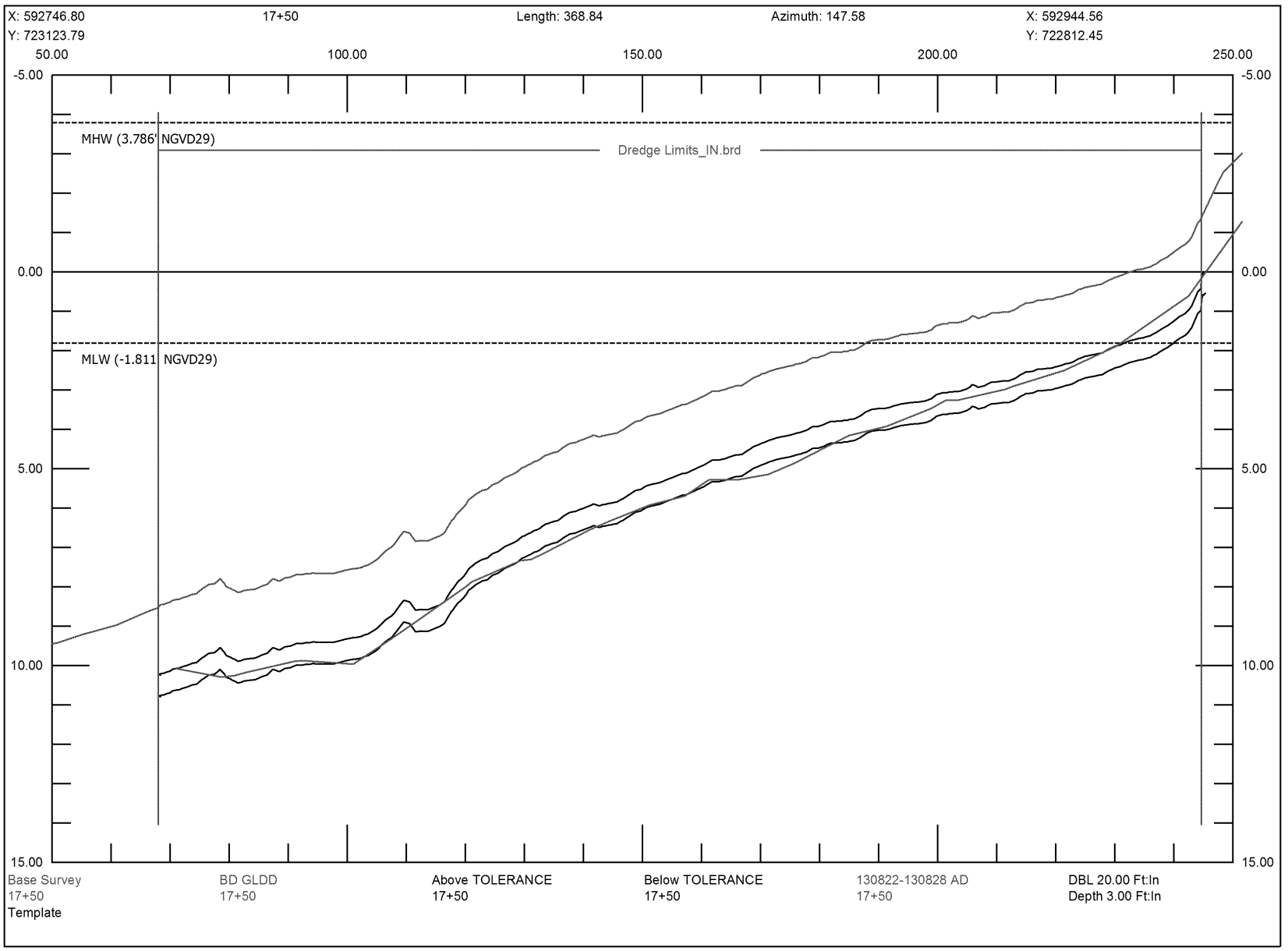
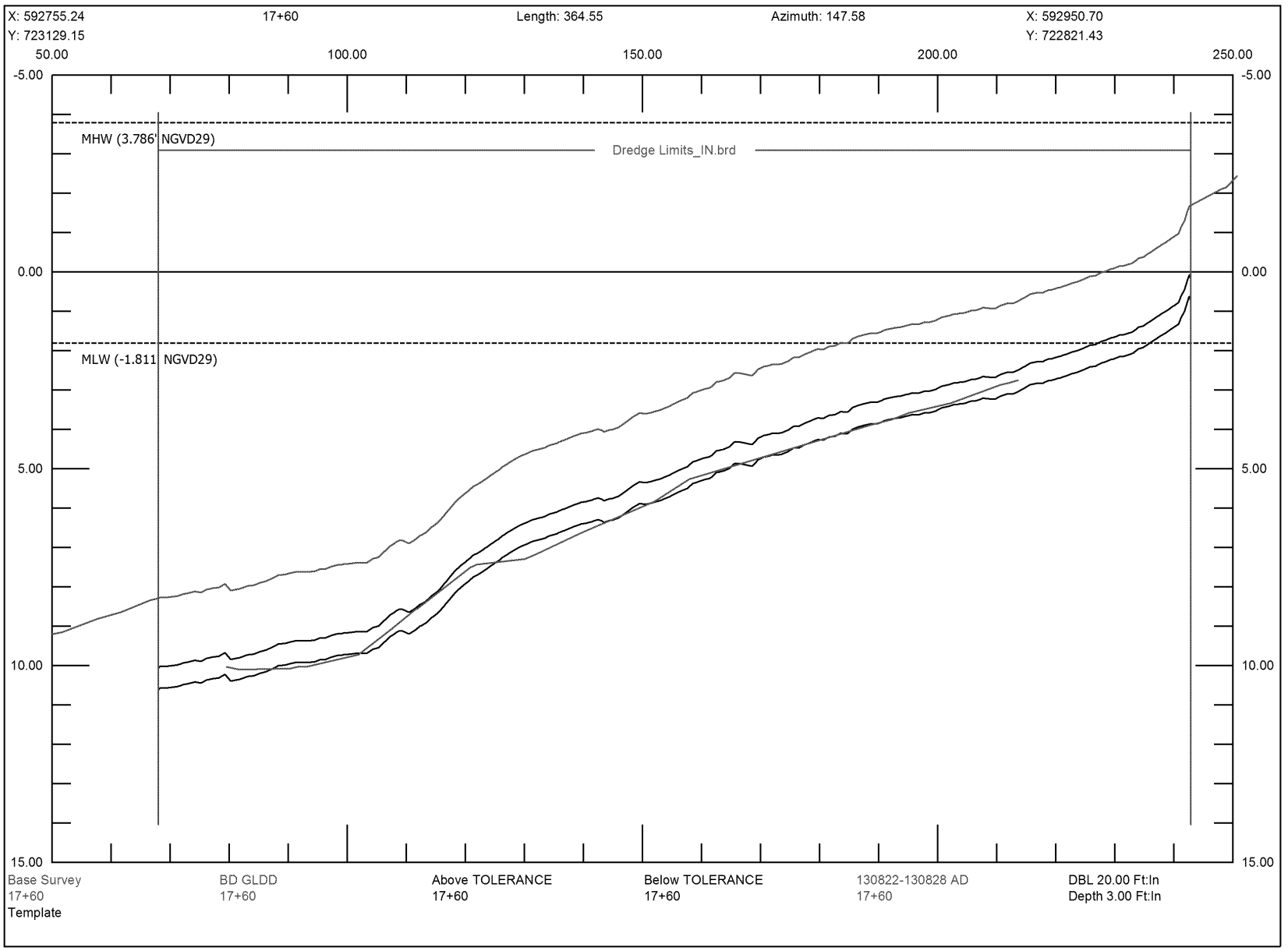
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+20
Template
BD GLDD
17+20
Above TOLERANCE
17+20
Below TOLERANCE
17+20
130822-130828 AD
17+20
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592727.46
Y: 723111.50
17+30
Length: 369.70
Azimuth: 144.09
X: 592944.29
Y: 722812.06
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+30
Template
BD GLDD
17+30
Above TOLERANCE
17+30
Below TOLERANCE
17+30
130822-130828 AD
17+30
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592737.06
Y: 723117.60
17+40
Length: 369.10
Azimuth: 145.82
X: 592944.42
Y: 722812.25
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+40
Template
BD GLDD
17+40
Above TOLERANCE
17+40
Below TOLERANCE
17+40
130822-130828 AD
17+40
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592746.80
Y: 723123.79
17+50
Length: 368.84
Azimuth: 147.58
X: 592944.56
Y: 722812.45
50.00
100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+50
Template
BD GLDD
17+50
Above TOLERANCE
17+50
Below TOLERANCE
17+50
130822-130828 AD
17+50
DBL 20.00 Ft:In
Depth 3.00 Ft:In


X: 592755.24
Y: 723129.15
17+60
Length: 364.55
Azimuth: 147.58
X: 592950.70
Y: 722821.43
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100.00
150.00
200.00
250.00
-5.00
0.00
5.00
10.00
15.00
MHW (3.786' NGVD29)
Dredge Limits_IN.brd
MLW (-1.811' NGVD29)
Base Survey
17+60
Template
BD GLDD
17+60
Above TOLERANCE
17+60
Below TOLERANCE
17+60
130822-130828 AD
17+60
DBL 20.00 Ft:In
Depth 3.00 Ft:In