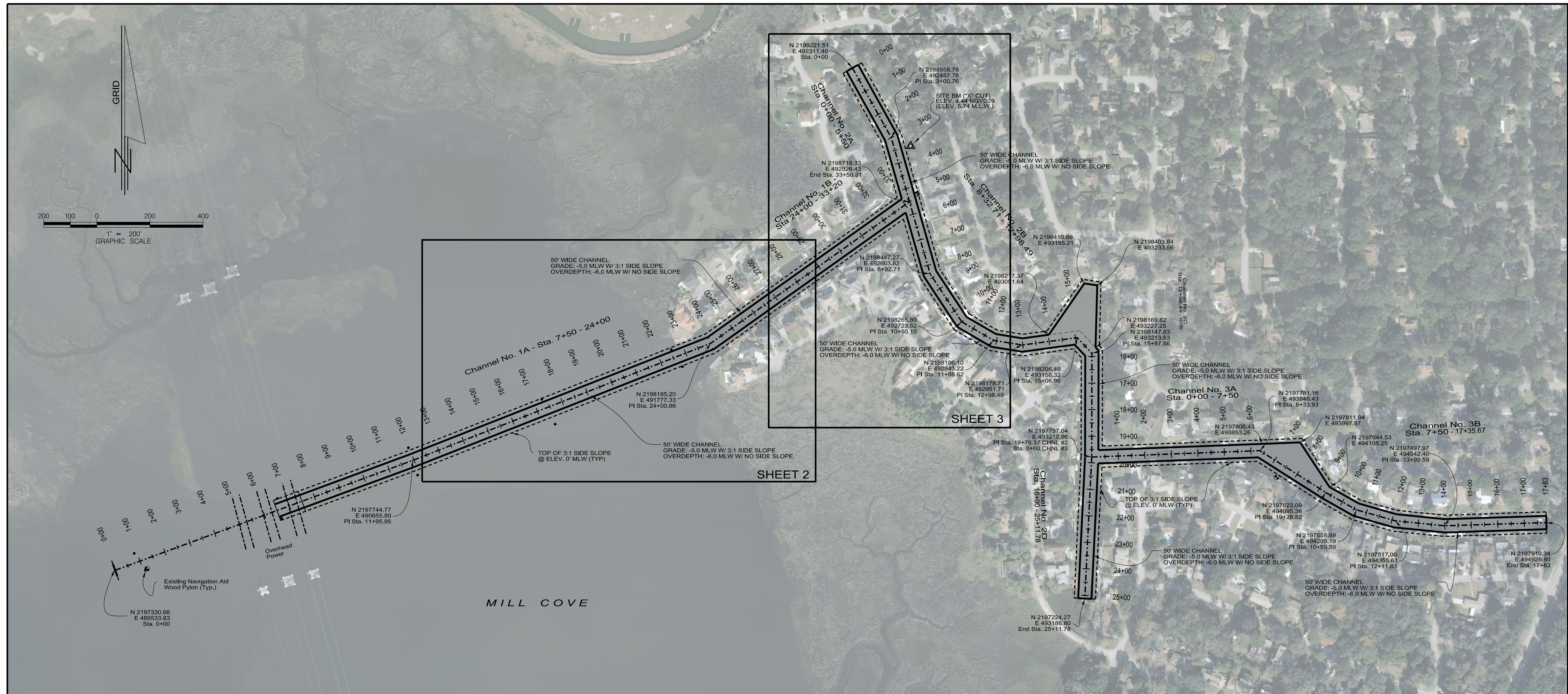
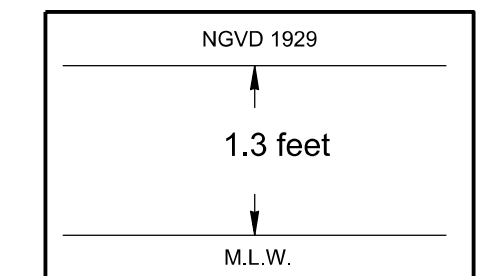


MAP SHOWING A HYDROGRAPHIC SURVEY OF A PORTION OF MILL COVE  
AND MILL HARBOUR CHANNELS 1, 2 AND 3  
DUVAL COUNTY, FLORIDA



- SURVEY NOTES:**
- REFER TO SURVEY NO. 12-11-11.
  - ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER, WHICH IS 1.3 FEET BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929.
  - SITE BM SET FROM FOUND "X" CUT (SEE LOCATION THIS SHEET) HAVING AN ELEVATION OF 4.44 NGVD 1929.
  - AIDS TO NAVIGATION WERE DEPICTED AS SHOWN ON PREVIOUS SURVEY 01-05-10.
  - ALL STATIONING IS BASED ON EXISTING CHANNEL CENTER LINE.
  - THE INFORMATION DEPICTED ON THESE MAPS REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
  - THE INFORMATION DEPICTED ON THESE MAPS REPRESENTS THE RESULTS OF A SURVEY MADE ON MAY 20, 2013.
  - DREDGING LIMITS PROVIDED BY CLIENT, -5.0 MLW, 3 TO 1 RATIO SIDE SLOPES WITH 1.0 FOOT OF OVERDEPTH WITH NO SIDE SLOPES.
  - PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR FLORIDA, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).



Relationship between NGVD 1929 and Mean Low Water

**LEGEND/ABBREVIATIONS**

STA.	= STATION
P.I.	= POINT OF INTERSECTION
B.M.	= BENCHMARK
N.G.V.D.	= NATIONAL GEODETIC VERTICAL DATUM 1929
MLW.	= MEAN LOW WATER
RGE.	= RANGE
•	CHANNEL MARKER (WOOD PYLON)
⊙	TIDE STAFF LOCATION

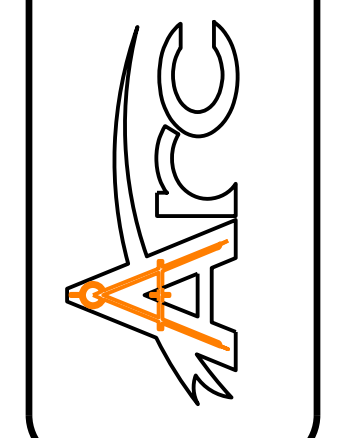
Richard J. Sawyer  
Professional Surveyor and Mapper No. 6131  
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

DATE	BY	REVISION

Project:  
MILL HARBOUR  
AFTER-DREDGE No. 2  
REACH 2 - CHANNEL 1B & 2A

Prepared For:  
Harbour Waterway Association  
Jacksonville, FL

Arc Surveying & Mapping, Inc.  
Professional Hydrographers • Surveyors • Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.384.8377



LB No. 6487  
Drawn By: DET  
Scale: SEE MAP  
Plot Date: 05/22/13  
File Name: C-13-36AD1  
Fld Bk / Pg: 12-12/55  
ARC Project No.: 12-11-11  
SHEET: 1 OF: 5



MAP SHOWING A HYDROGRAPHIC SURVEY OF A PORTION OF MILL COVE  
AND MILL HARBOUR CHANNELS 1, 2 AND 3  
DUVAL COUNTY, FLORIDA



LEGEND/ABBREVIATIONS

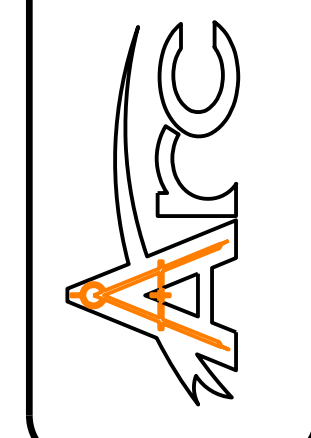
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LB No. 6487
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Plot Date: 05/22/13
File Name: C-13-36AD1
Fld Bk / Pg: 12-12/55
ARC Project No.: 12-11-11
SHEET: 3 OF: 5

REFER TO SHEET NO. 1 FOR SURVEY NOTES



MAP SHOWING A HYDROGRAPHIC SURVEY OF A PORTION OF MILL COVE  
AND MILL HARBOR CHANNELS 1, 2 AND 3  
DUVAL COUNTY, FLORIDA

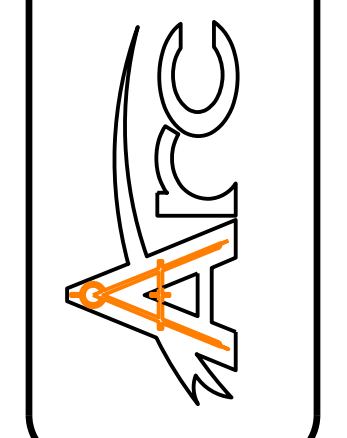


DATE	BY	REVISION

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MILL HARBOUR  
AFTER-DREDGE No. 2  
REACH 2 - CHANNEL 1B & 2A

Prepared For:  
Harbour Waterway Association  
Jacksonville, FL

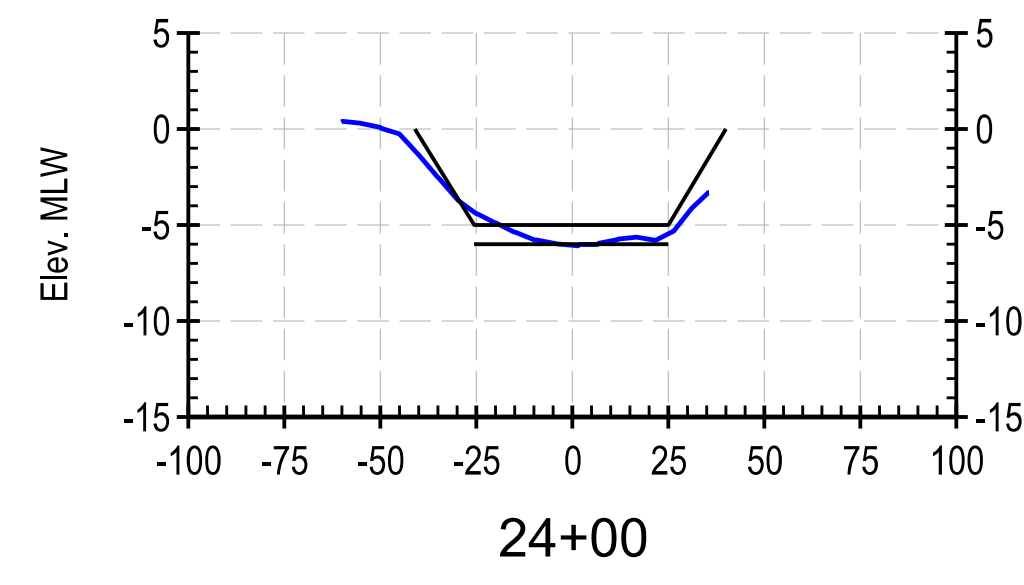
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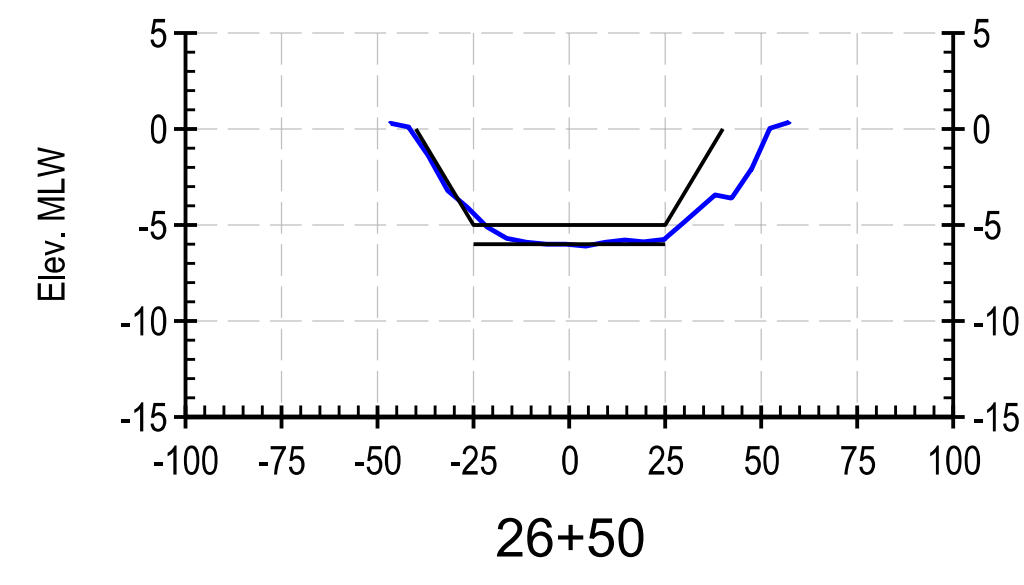
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ARC Project No.:  
12-11-11

SHEET: 3 OF: 5

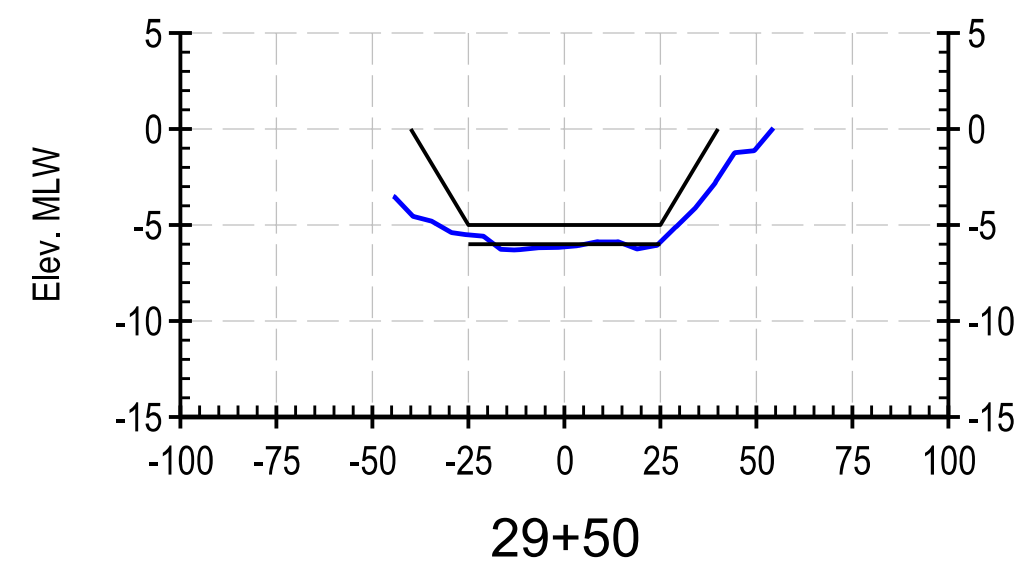




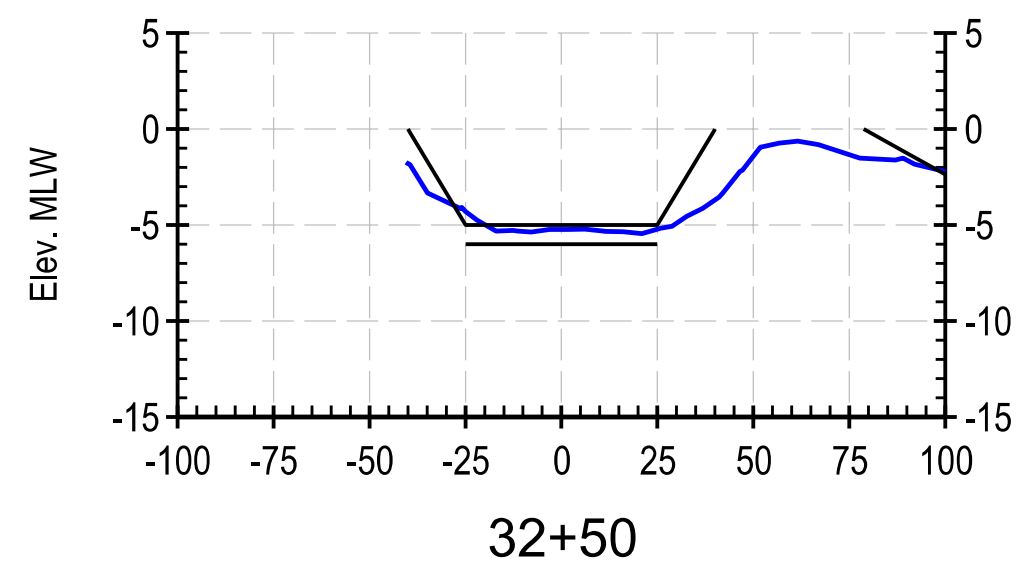
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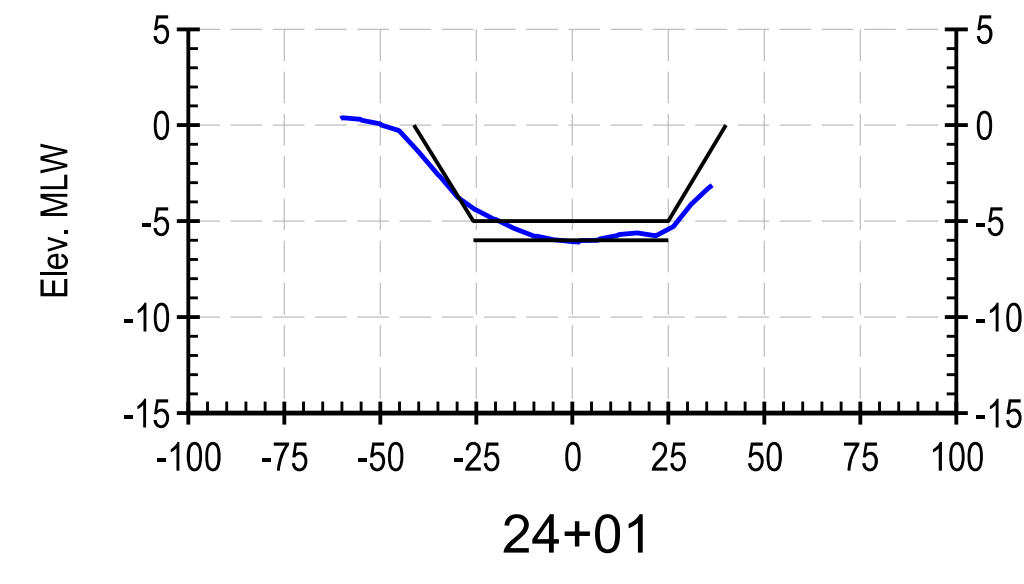
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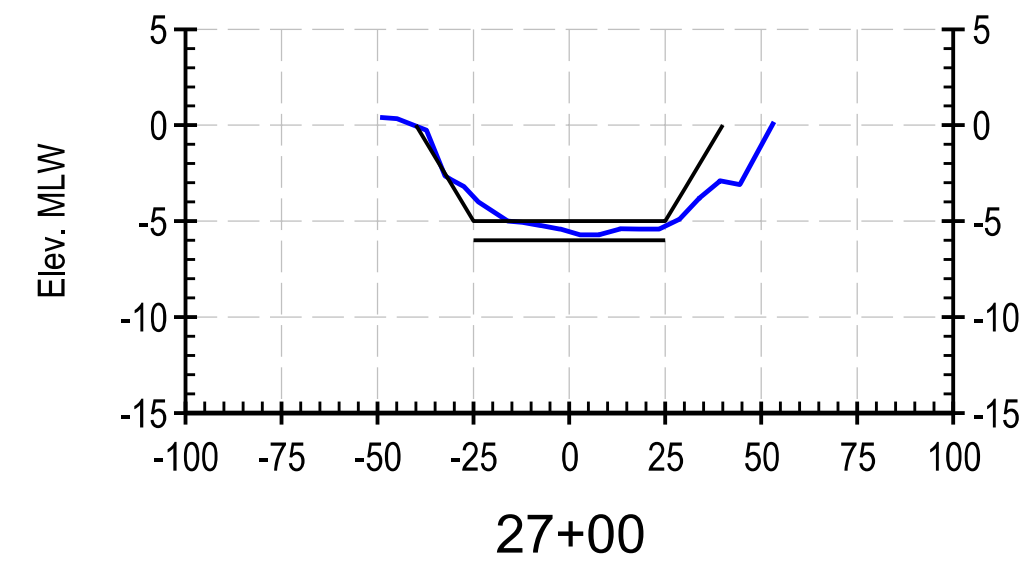
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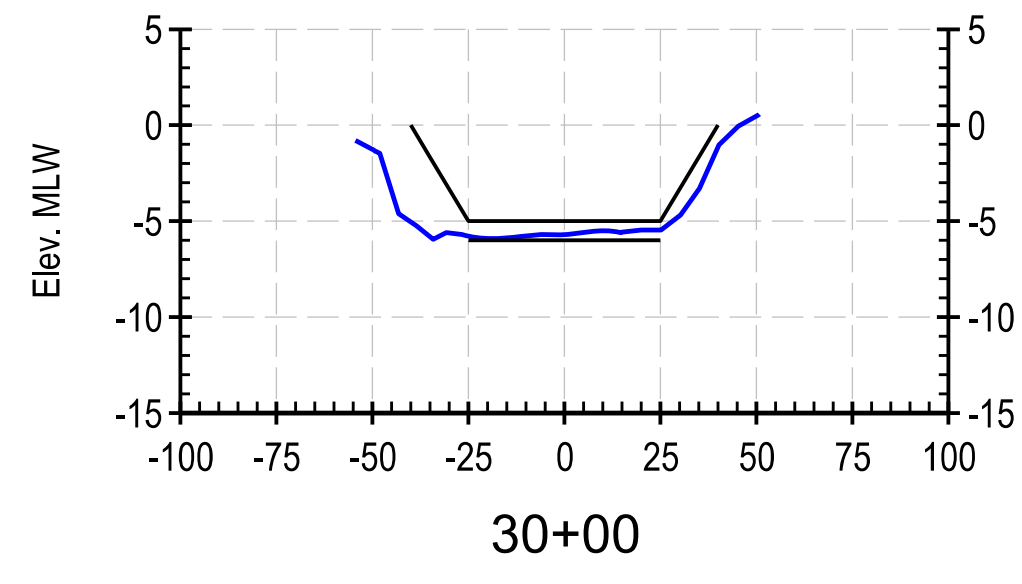
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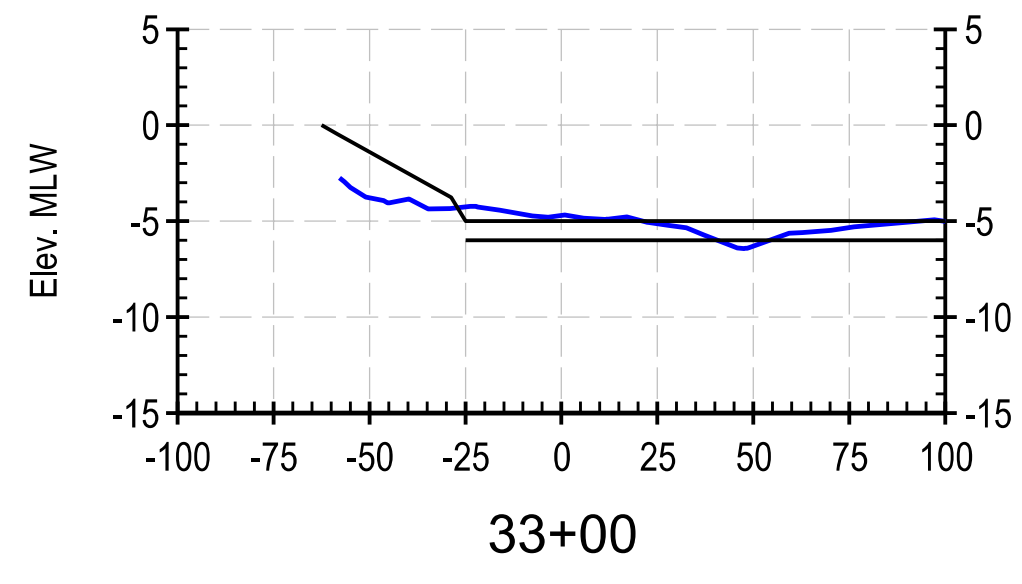
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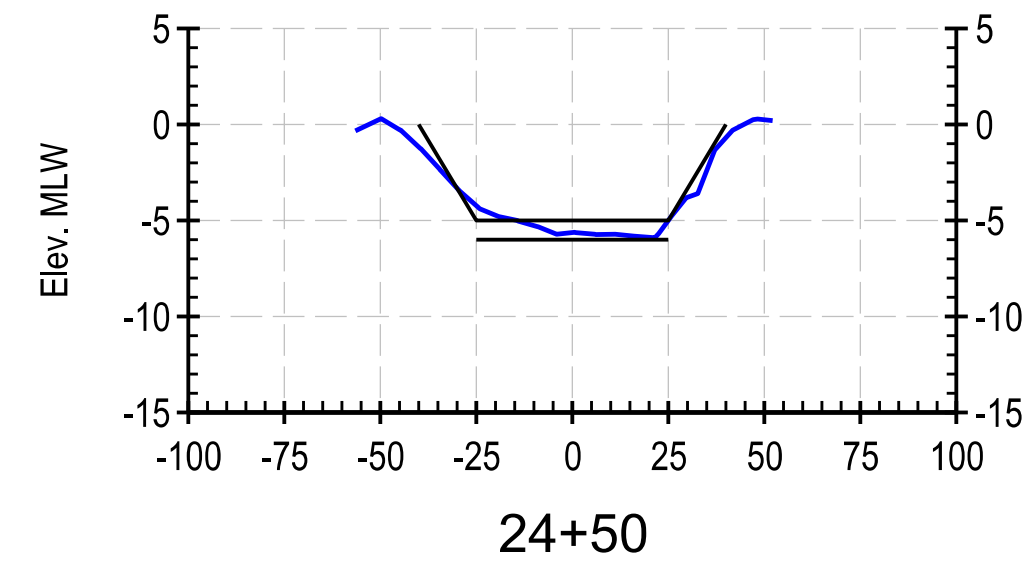
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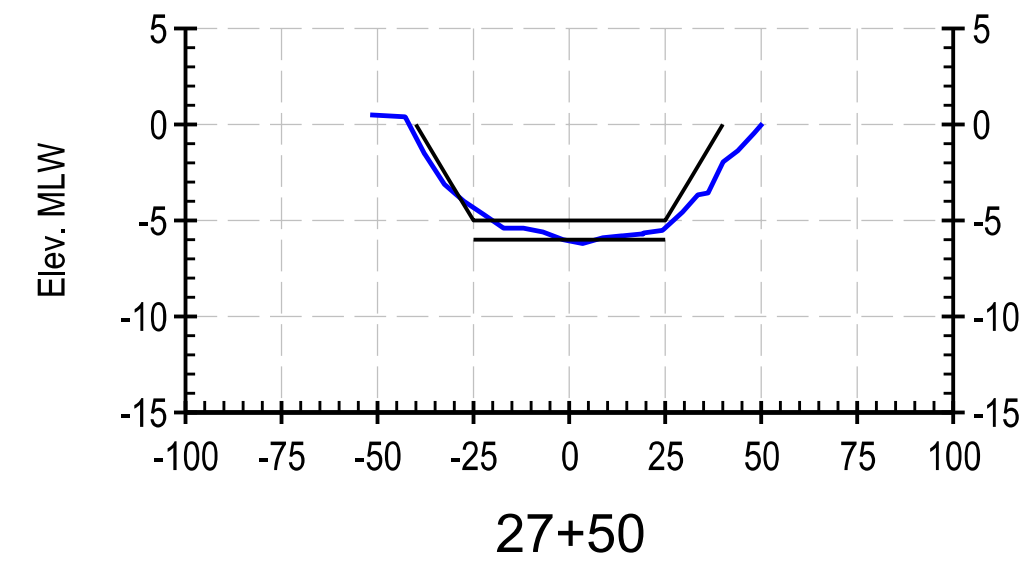
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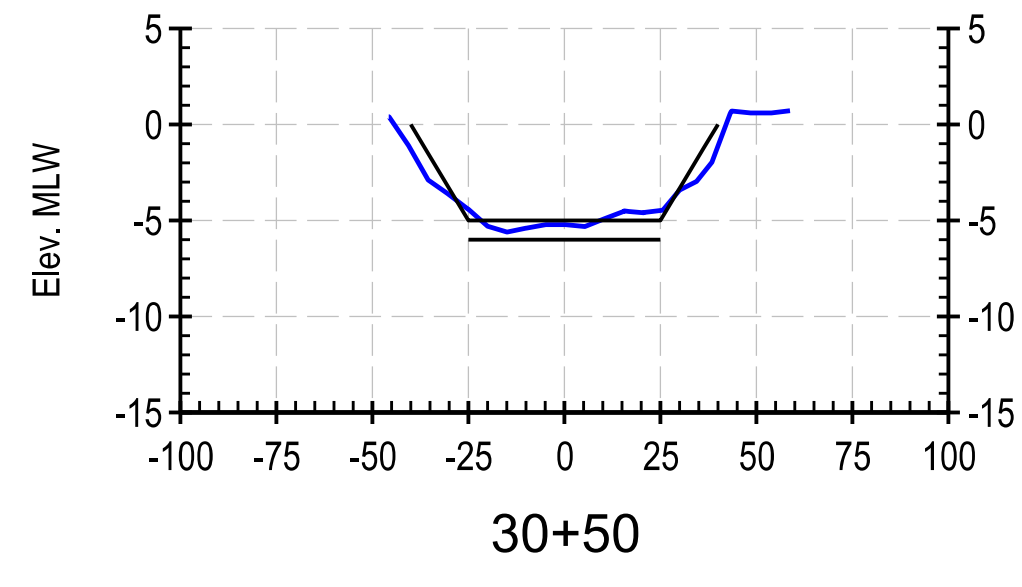
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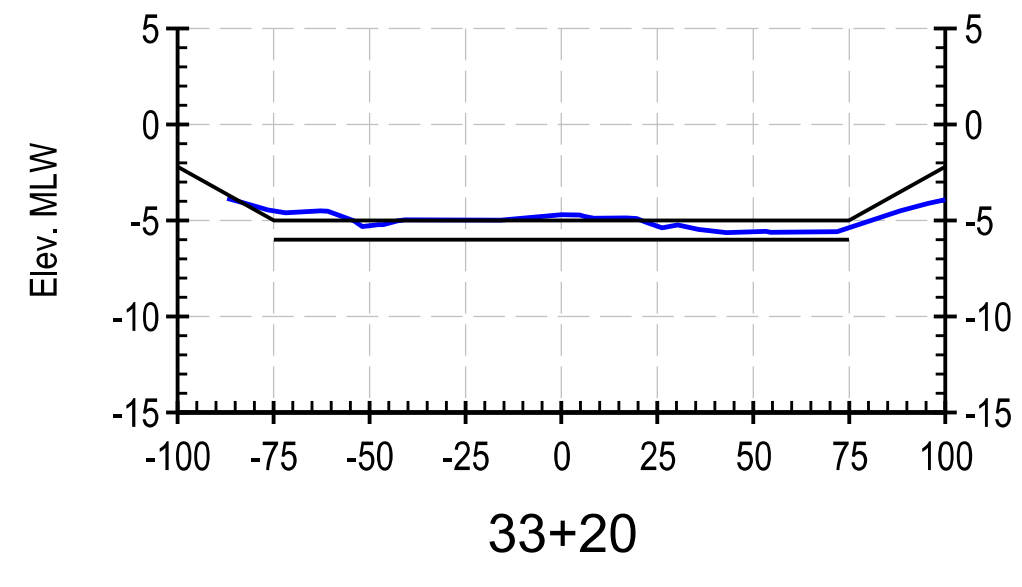
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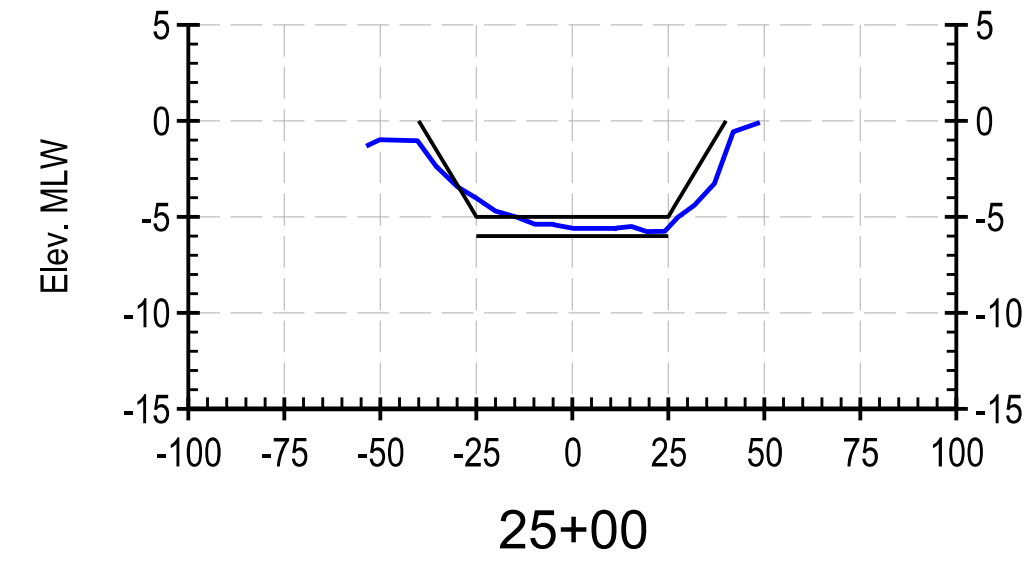
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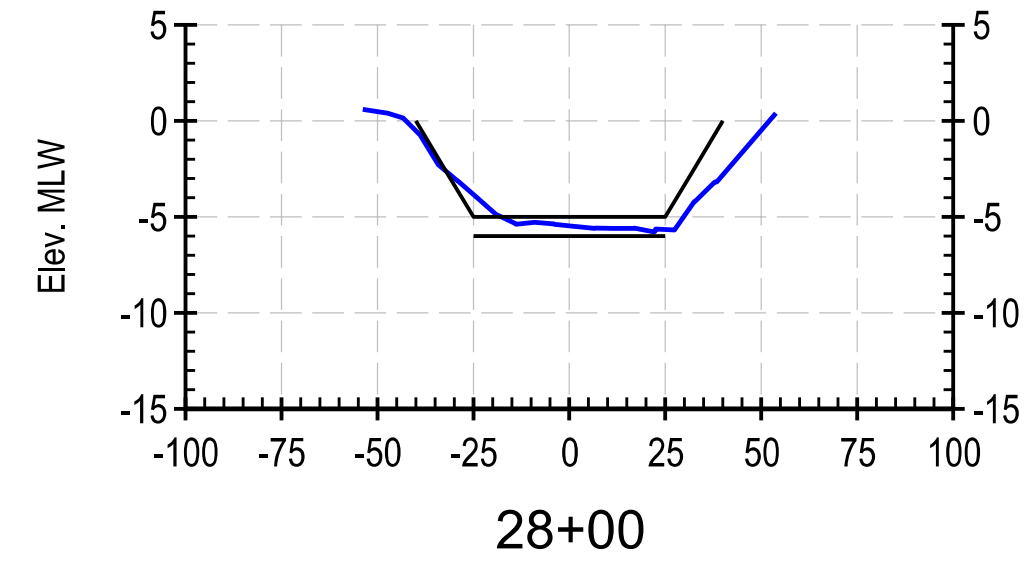
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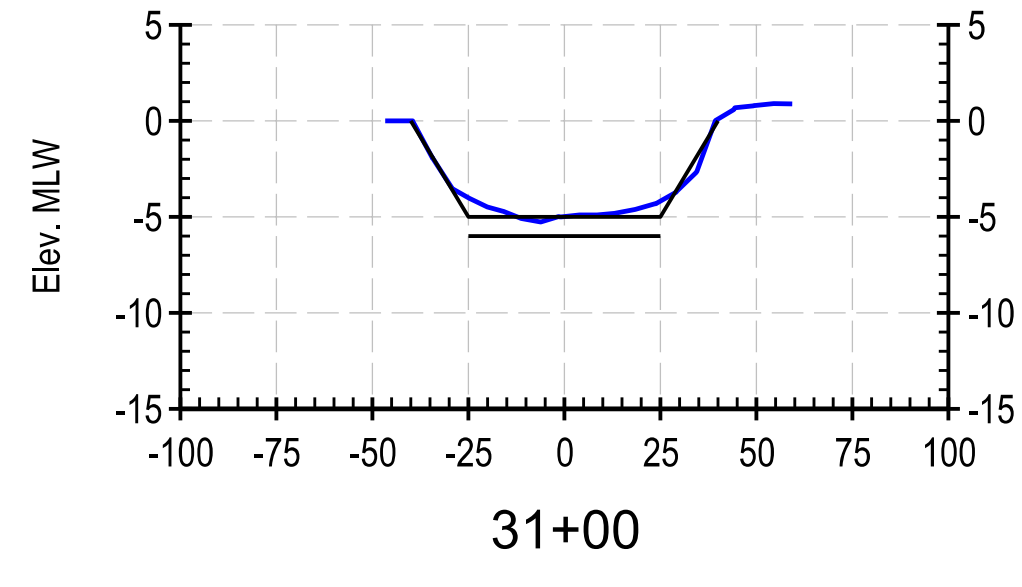
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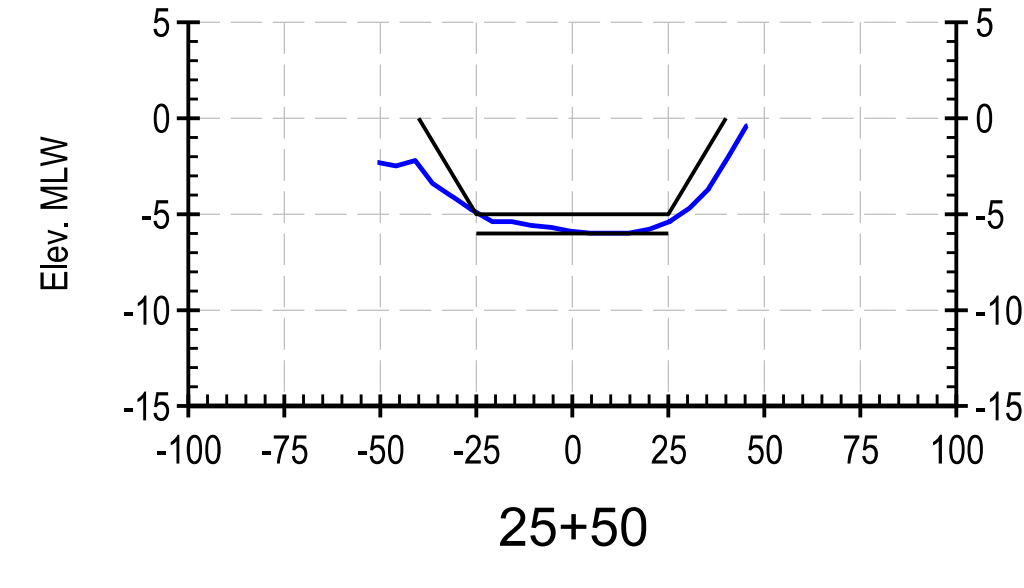
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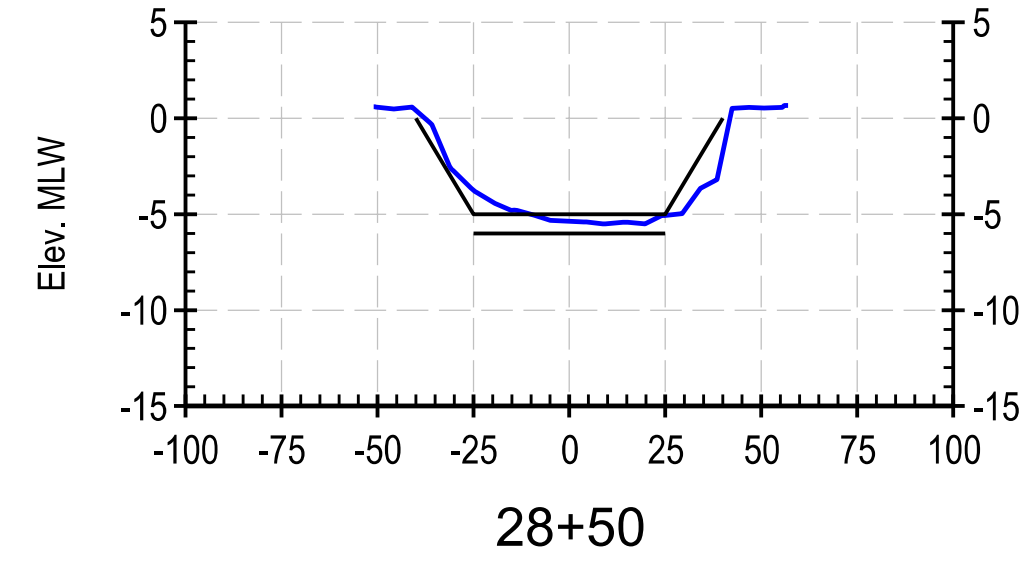
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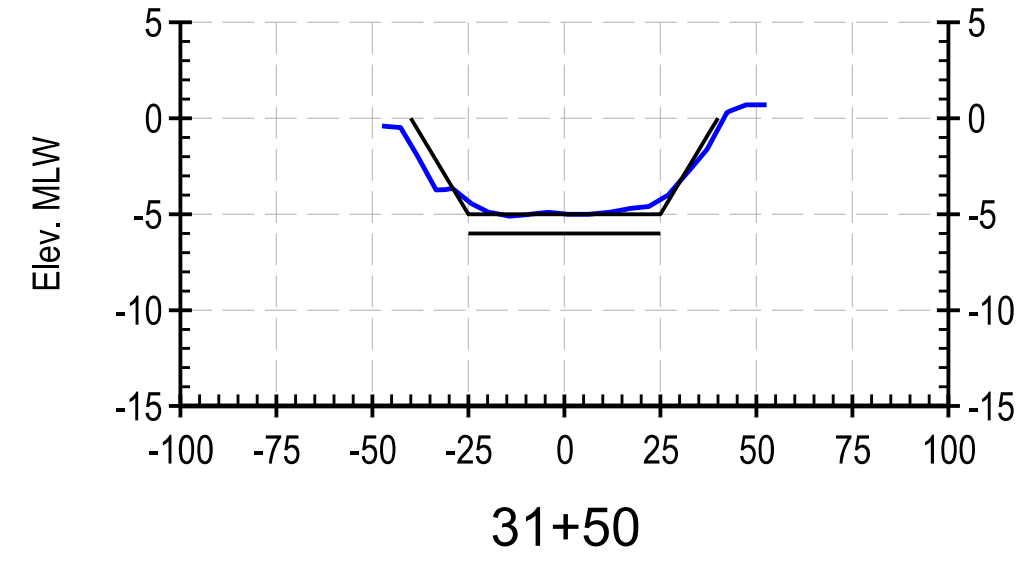
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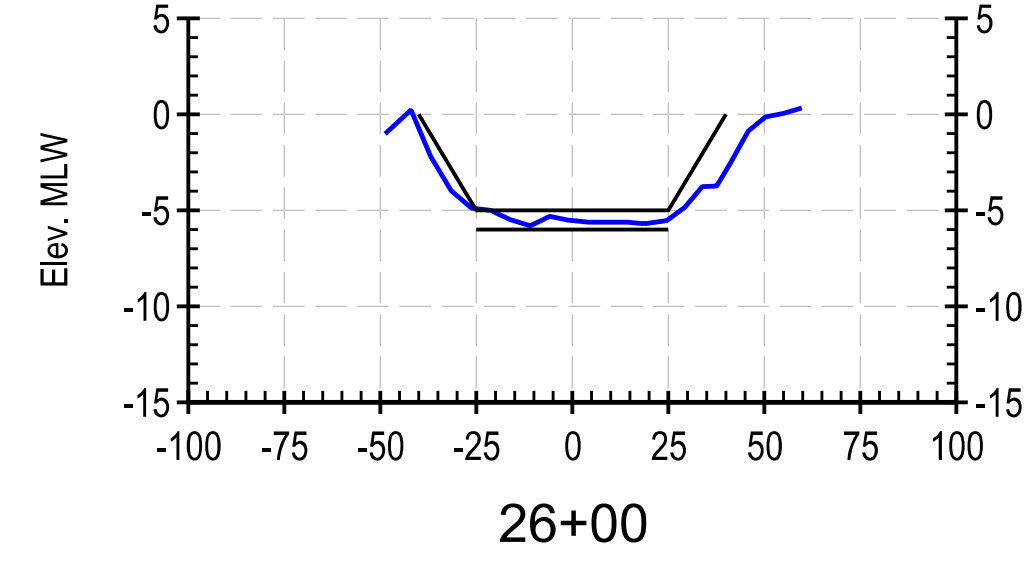
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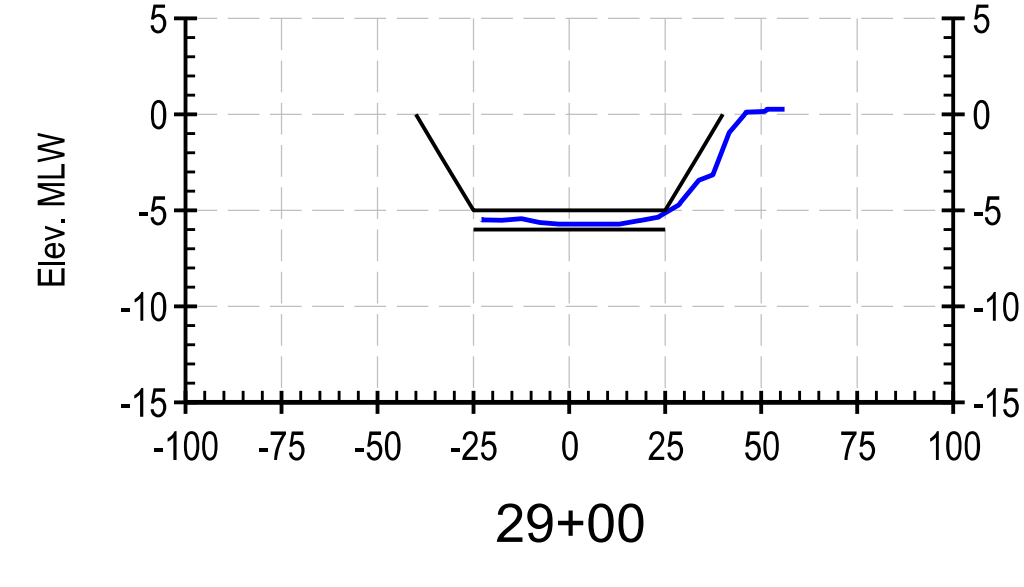
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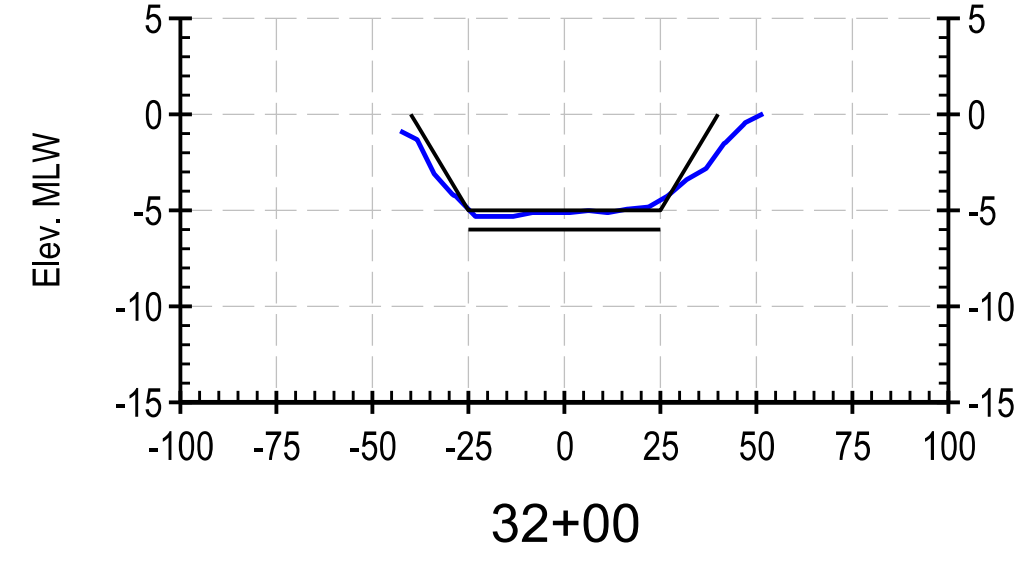
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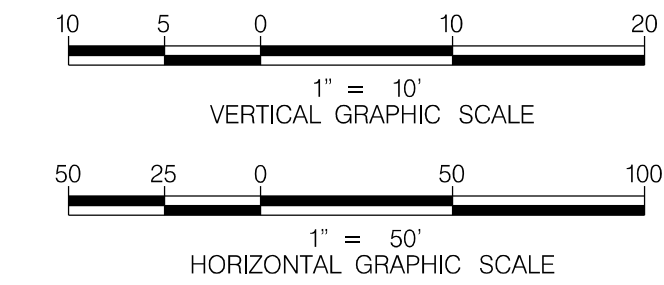


32+00

CHANNEL 1-B

**LEGEND/ABBREVIATIONS**

- ELEV. = ELEVATION
- MLW = MEAN LOW WATER
- = ARC HYDROGRAPHIC SURVEY MAY 20, 2013
- - - = -5' GRADE TEMPLATE W/ 3 ON 1 SIDE SLOPES
- - - = -6' OVERDEPTH TEMPLATE W/ NO SIDE SLOPES

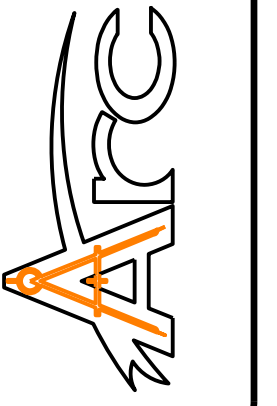


DATE	BY	REVISION

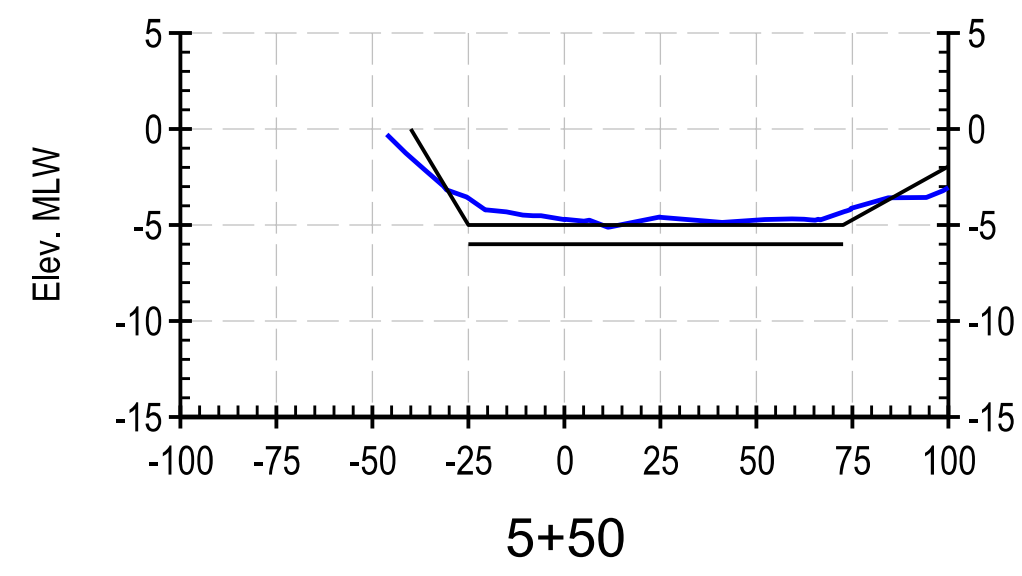
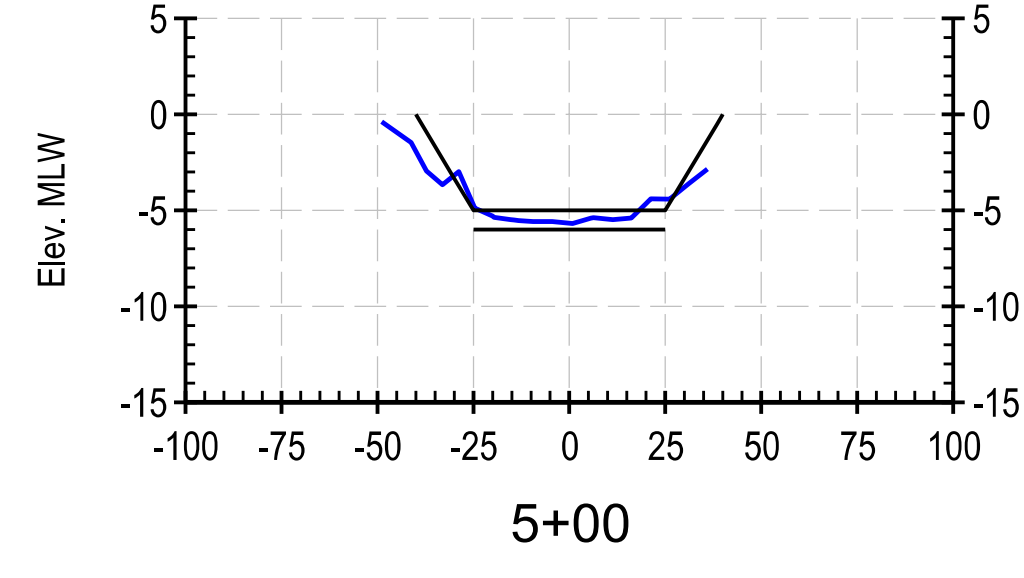
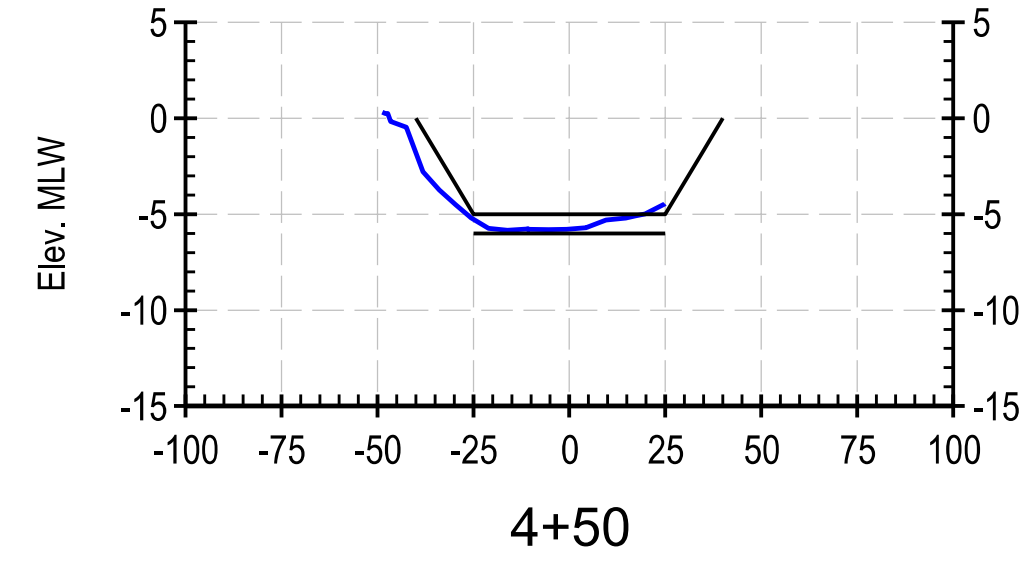
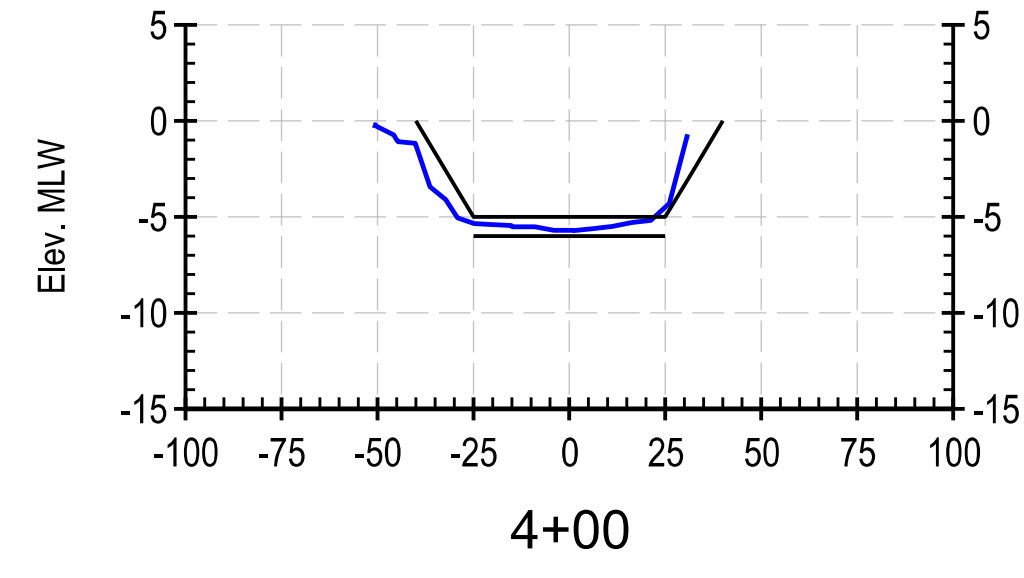
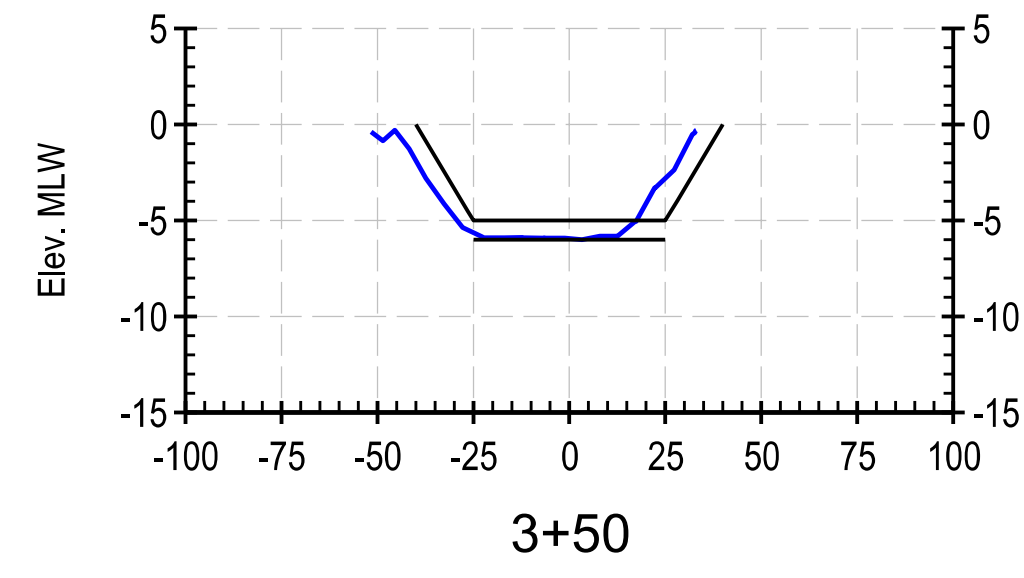
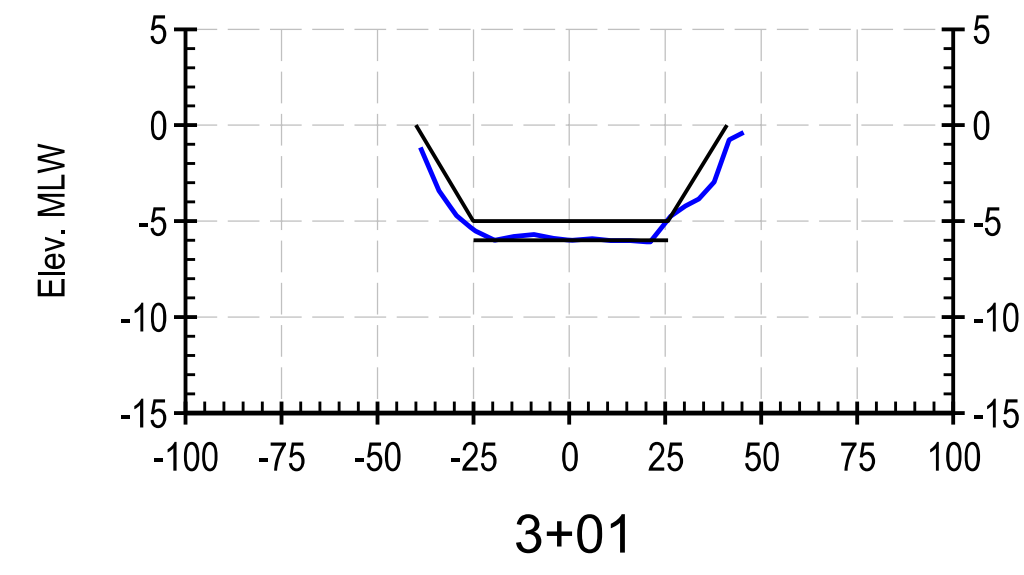
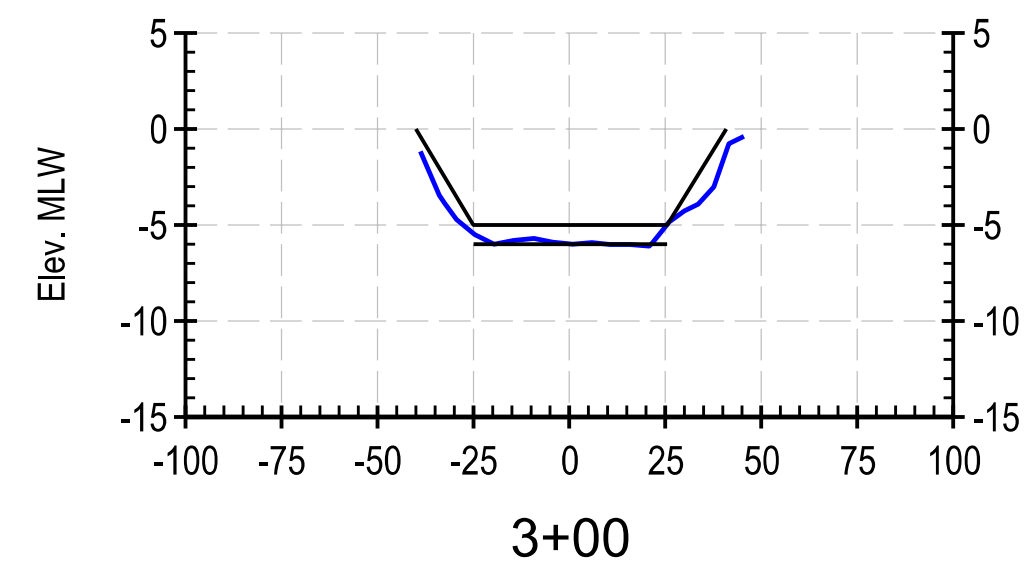
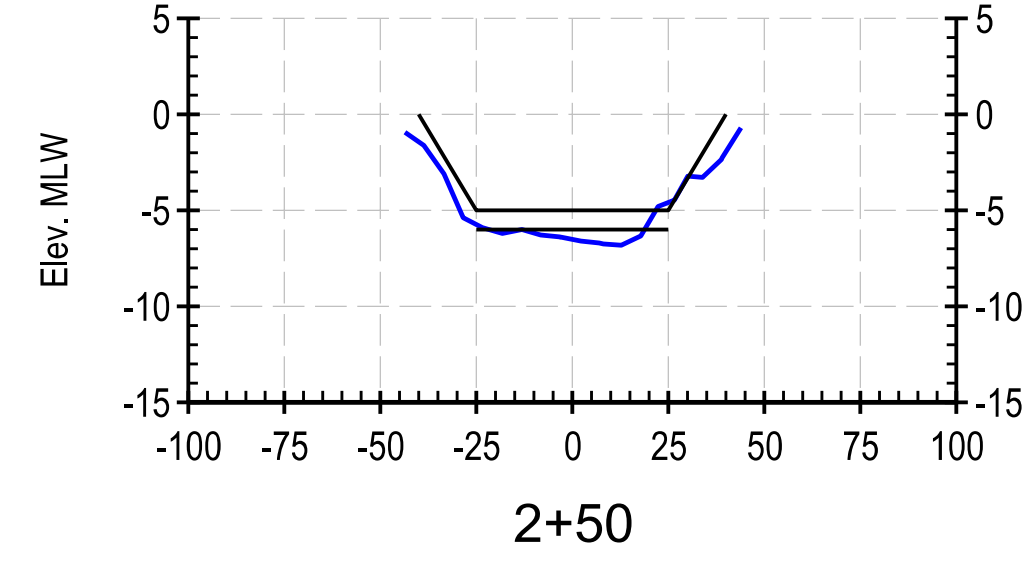
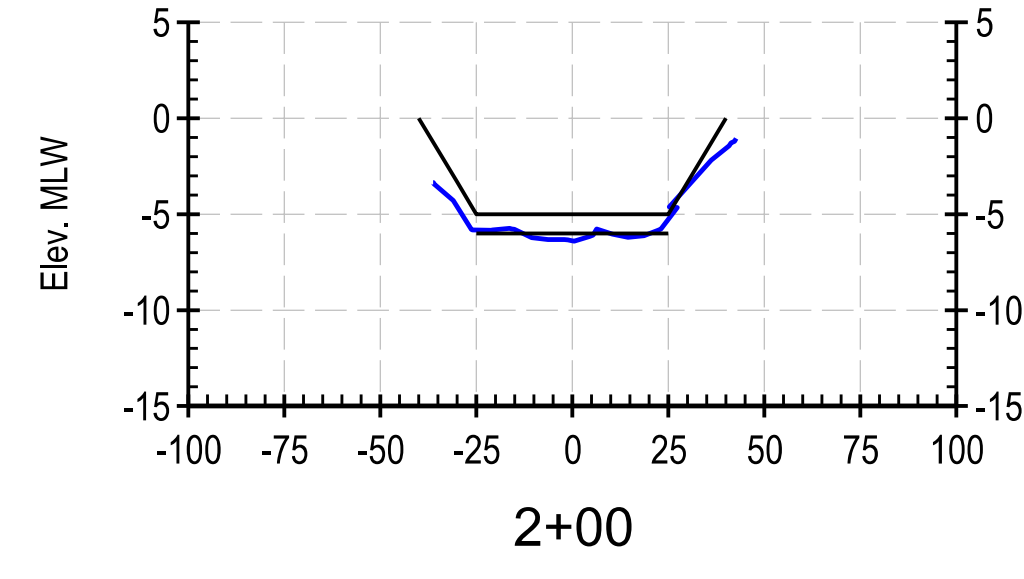
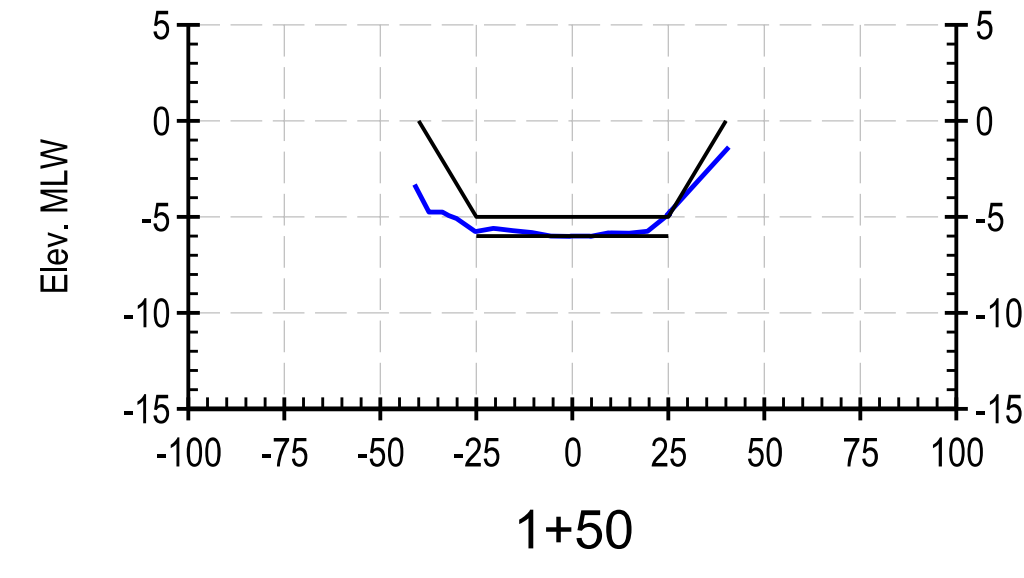
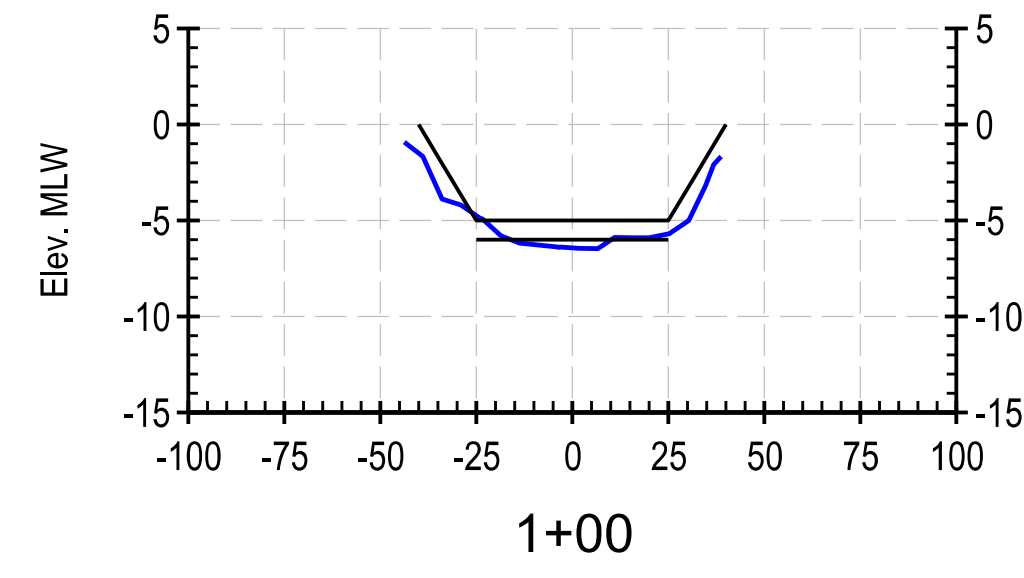
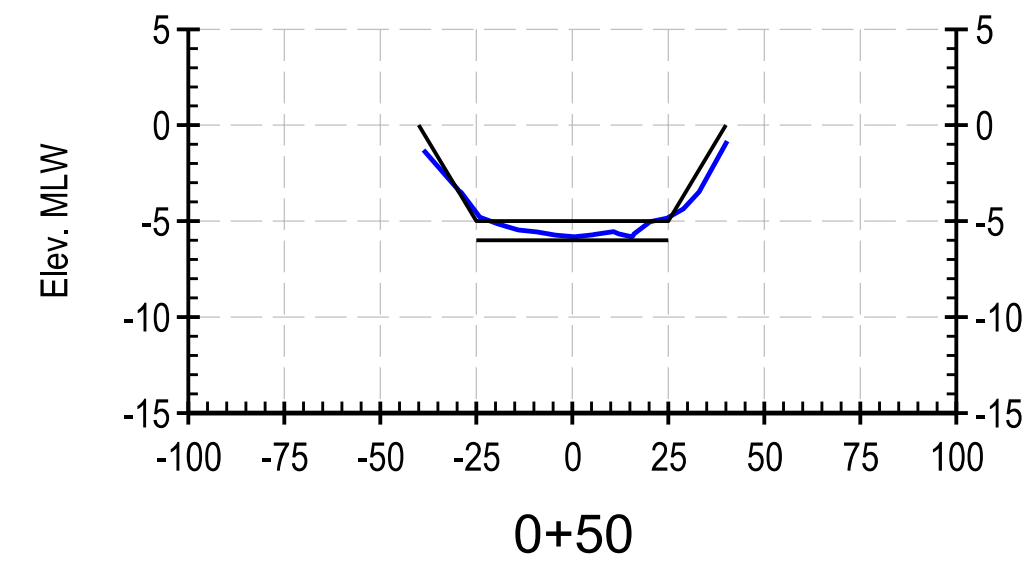
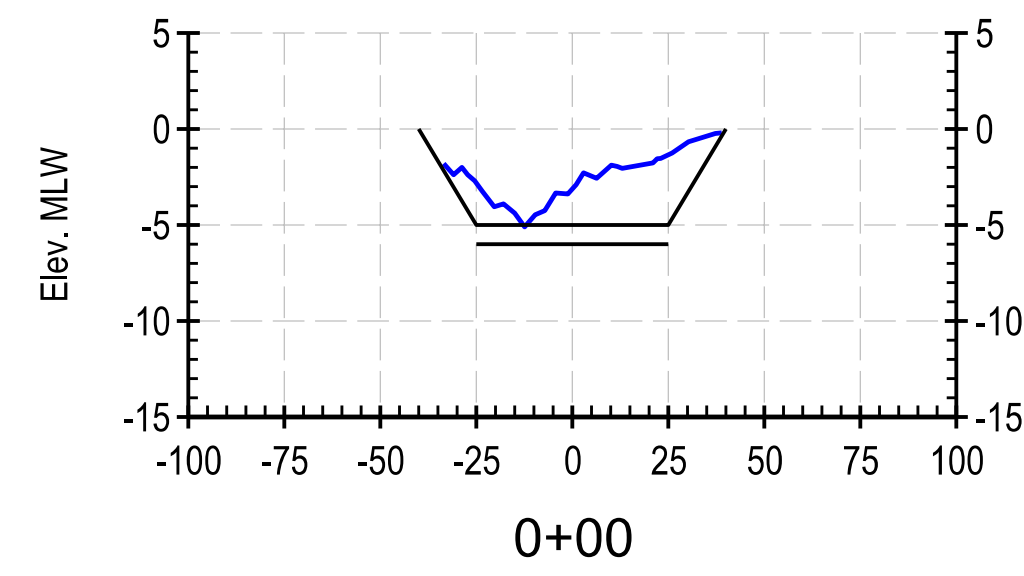
Project:  
MILL HARBOUR  
AFTER-DREDGE No. 2  
REACH 2 - CHANNEL 1B & 2A

Prepared For:  
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Jacksonville, FL

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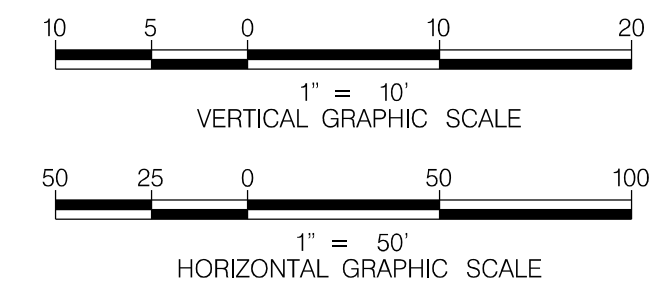
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Plot Date: 05/22/13  
File Name: C-13-36AD1  
Fld Bk / Pg: 12-12/55  
ARC Project No.: 12-11-11  
SHEET: 4 OF: 5



**CHANNEL 2-A**

**LEGEND/ABBREVIATIONS**

ELEV.	= ELEVATION
MLW	= MEAN LOW WATER
	= ARC HYDROGRAPHIC SURVEY MAY 20, 2013
	= -5' GRADE TEMPLATE W/ 3 ON 1 SIDE SLOPES
	= -6' OVERDEPTH TEMPLATE W/ NO SIDE SLOPES

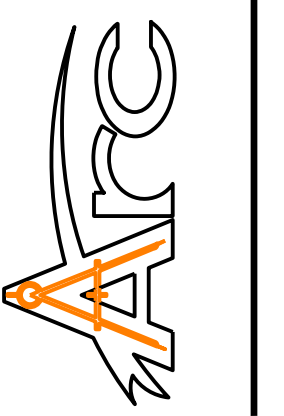


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ARC Project No.: 12-11-11  
SHEET: 5 OF: 5