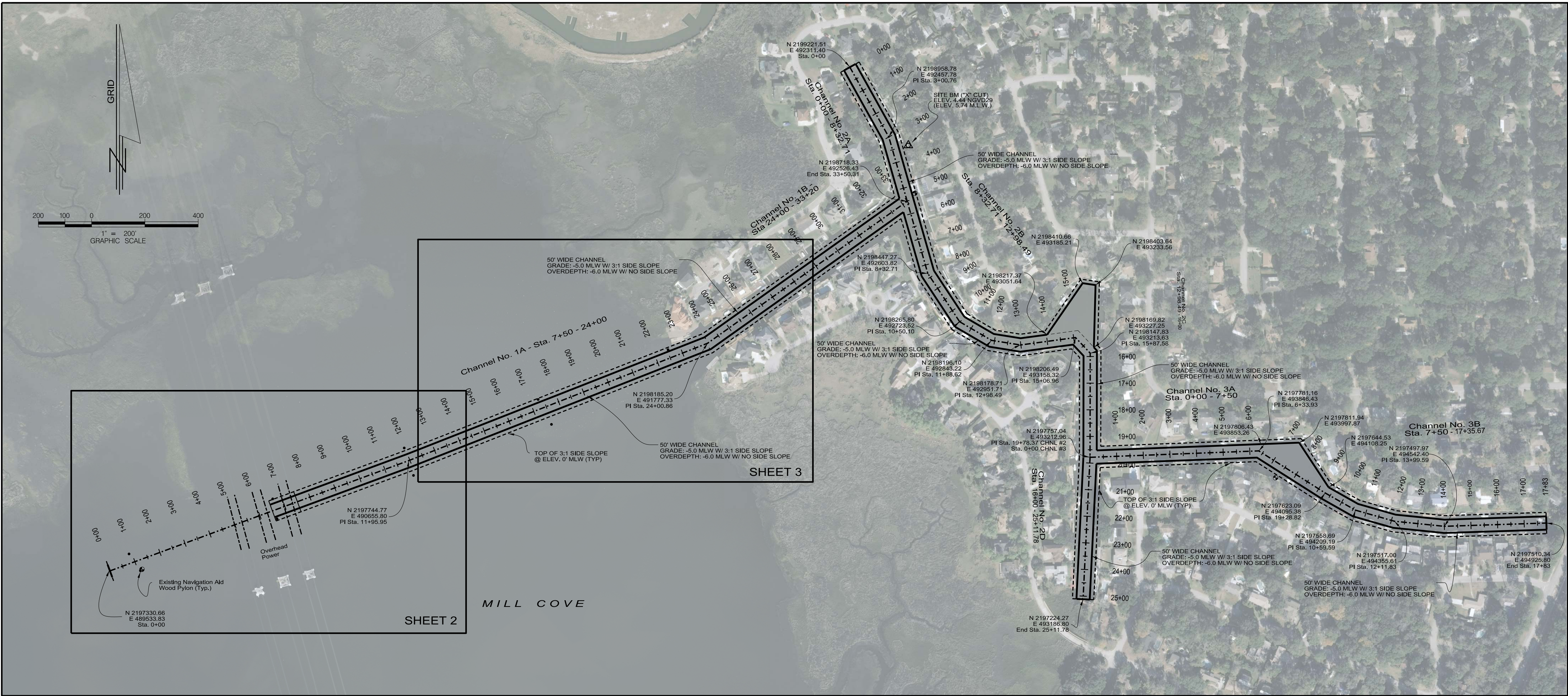
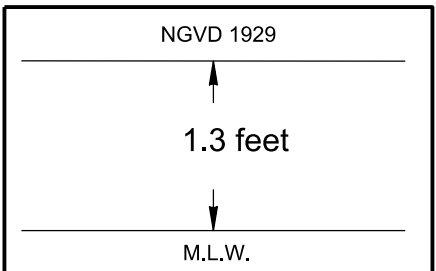


MAP SHOWING A HYDROGRAPHIC SURVEY OF A PORTION OF MILL COVE
AND MILL HARBOUR CHANNELS 1, 2 AND 3
DUVAL COUNTY, FLORIDA



SURVEY NOTES:

1. REFER TO SURVEY NO. 12-11-11.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER, WHICH IS 1.3 FEET BELOW NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. SITE BM SET FROM FOUND "X" CUT AT THE INTERSECTION OF FORT CAROLINE AND MONUMENT ROAD HAVING AN ELEVATION OF 50.135 NGVD 1929.
4. AIDS TO NAVIGATION WERE DEPICTED AS SHOWN ON PREVIOUS SURVEY 01-05-10.
5. ALL STATIONING IS BASED ON EXISTING CHANNEL CENTER LINE.
6. 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.
7. THE INFORMATION DEPICTED ON THESE MAPS REPRESENTS THE RESULTS OF A SURVEY MADE ON APRIL 30, 2013.
8. DREDGING LIMITS PROVIDED BY CLIENT, -5.0 MLW, 3 TO 1 RATIO SIDE SLOPES WITH 1.0 FOOT OF OVERDEPTH WITH NO SIDE SLOPES.
9. 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
M.L.W. = MEAN LOW WATER
RGE. = RANGE
- CHANNEL MARKER (WOOD PYLON)
◐ TIDE STAFF LOCATION

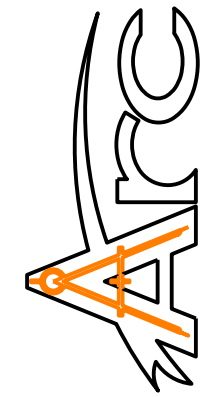
Richard J. Sawyer
Professional Surveyor and Mapper No. 6131
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED
SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

DATE	BY	REVISION

Project:
MILL HARBOUR
AFTER-DREDGE, CHANNEL 1
STATIONS 7+50 THRU 24+00
HYDROGRAPHIC SURVEY

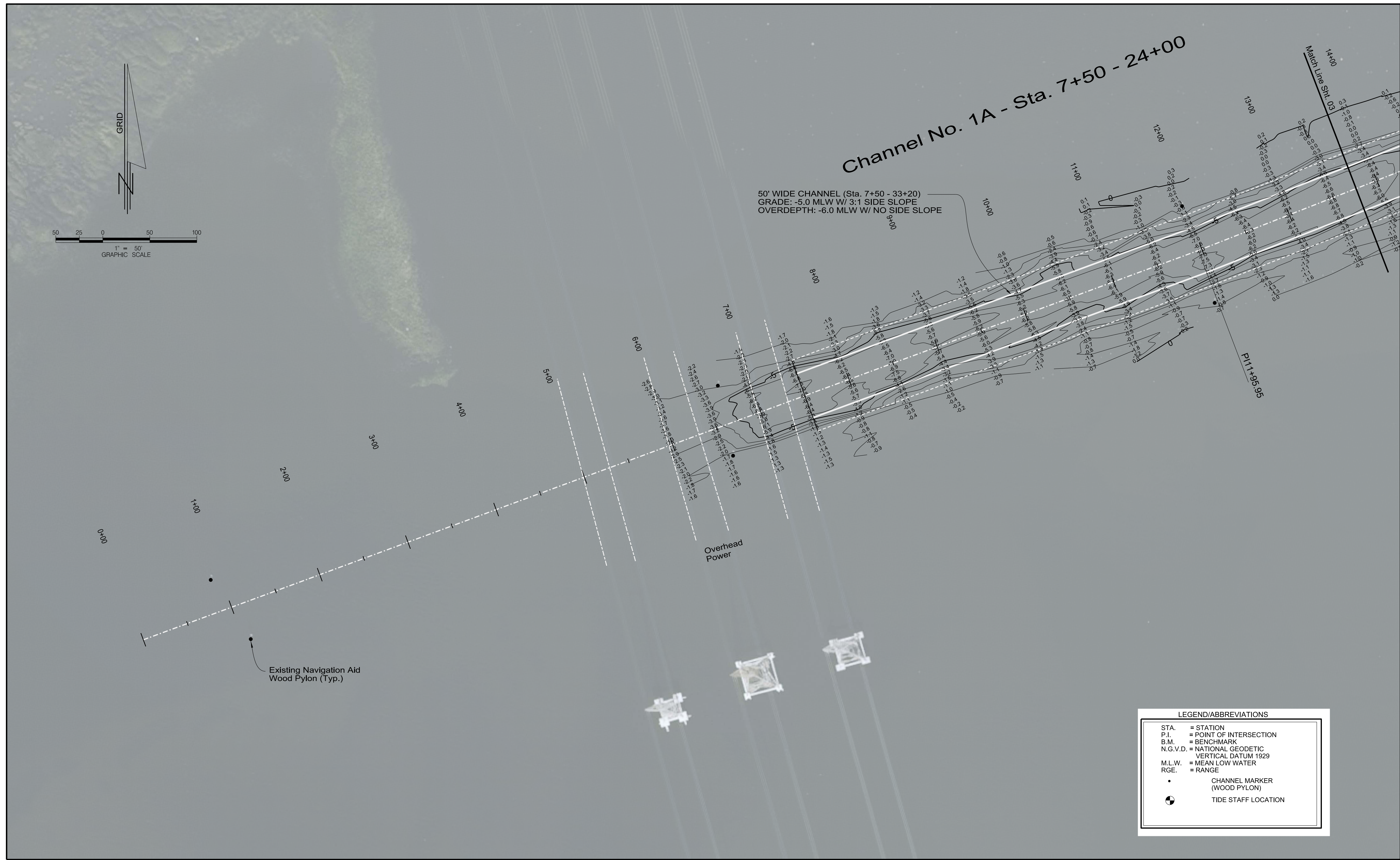
Prepared For:
Harbour Waterway Association
Jacksonville, FL

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: 05/01/13
File Name: C-13-36AD1
Fid 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



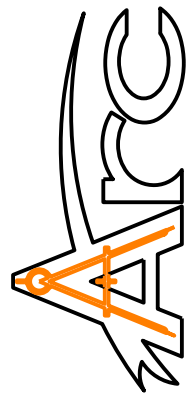
LEGEND/ABBREVIATIONS	
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P.I.	= POINT OF INTERSECTION
B.M.	= BENCHMARK
N.G.V.D.	= NATIONAL GEODETIC VERTICAL DATUM 1929
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•	CHANNEL MARKER (WOOD PYLON)
⊙	TIDE STAFF LOCATION

DATE	BY	REVISION

Project:
MILL HARBOUR
AFTER-DREDGE, CHANNEL 1
STATIONS 7+50 THRU 24+00
HYDROGRAPHIC SURVEY

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Fid Bk / Pg: 12-12/55
ARC Project No.: 12-11-11
SHEET: 2 OF: 5

REFER TO SHEET NO. 1 FOR SURVEY NOTES

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



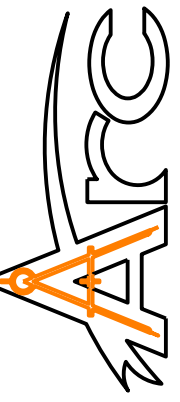
REFER TO SHEET NO. 1 FOR SURVEY NOTES

DATE	BY	REVISION

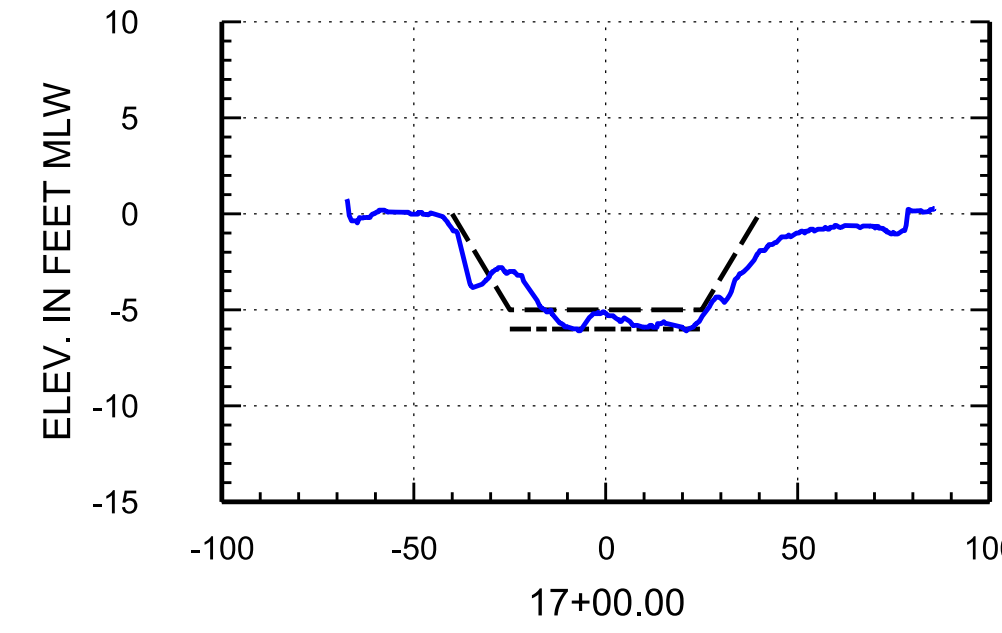
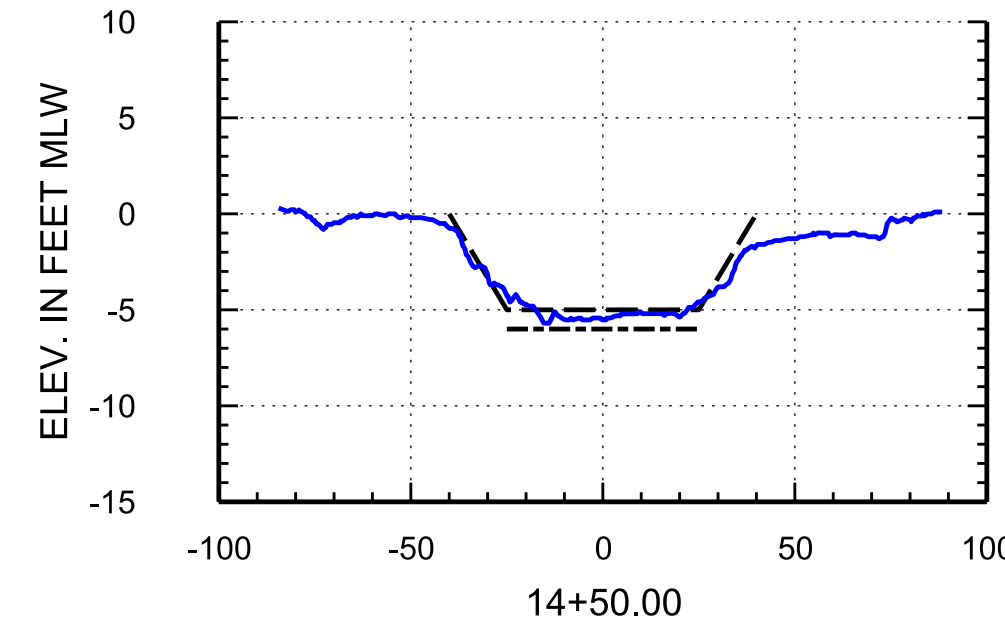
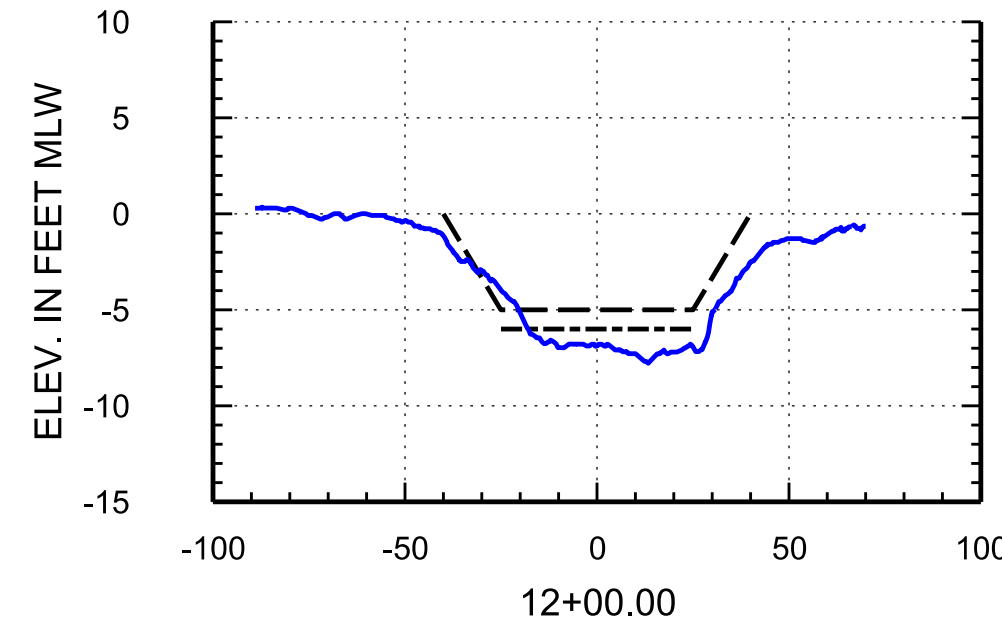
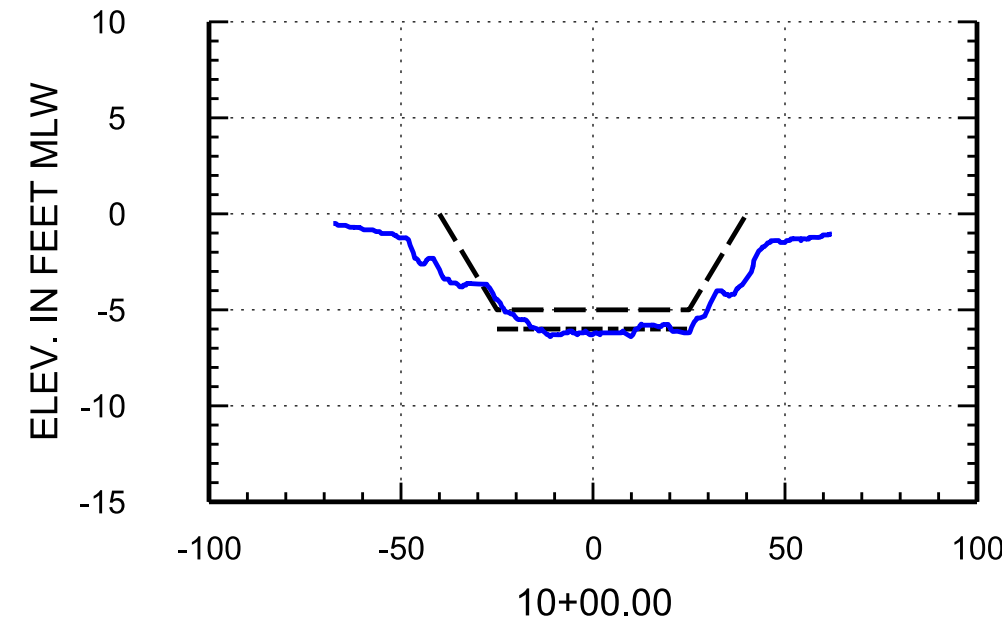
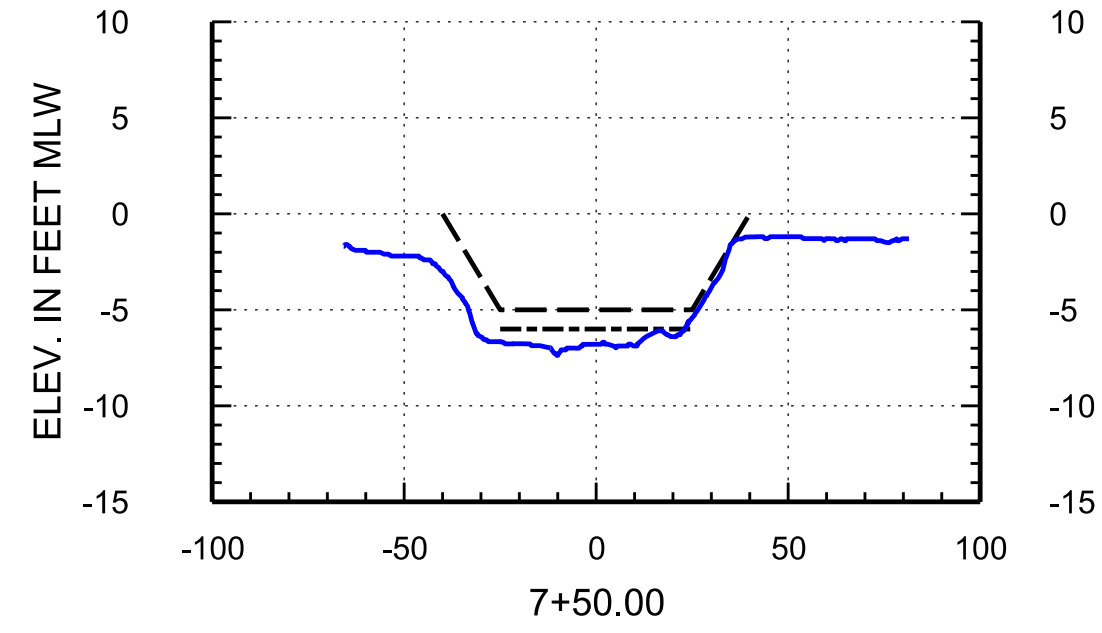
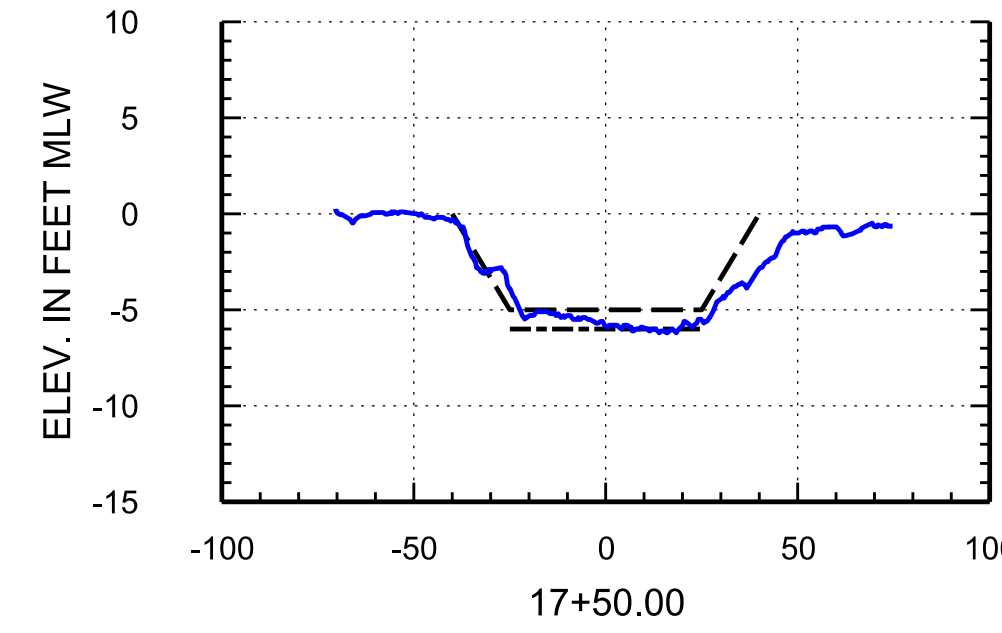
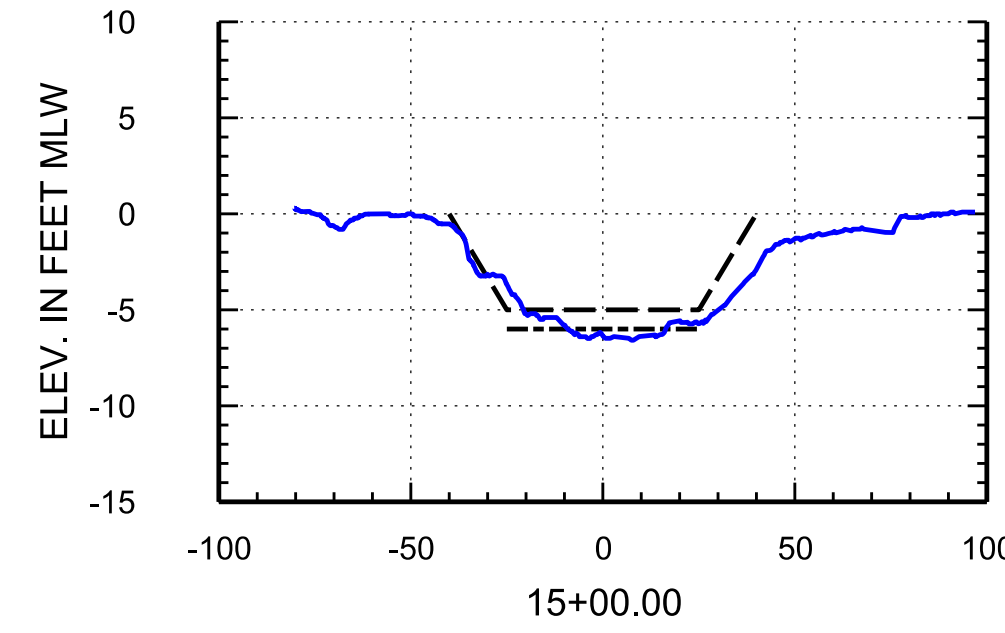
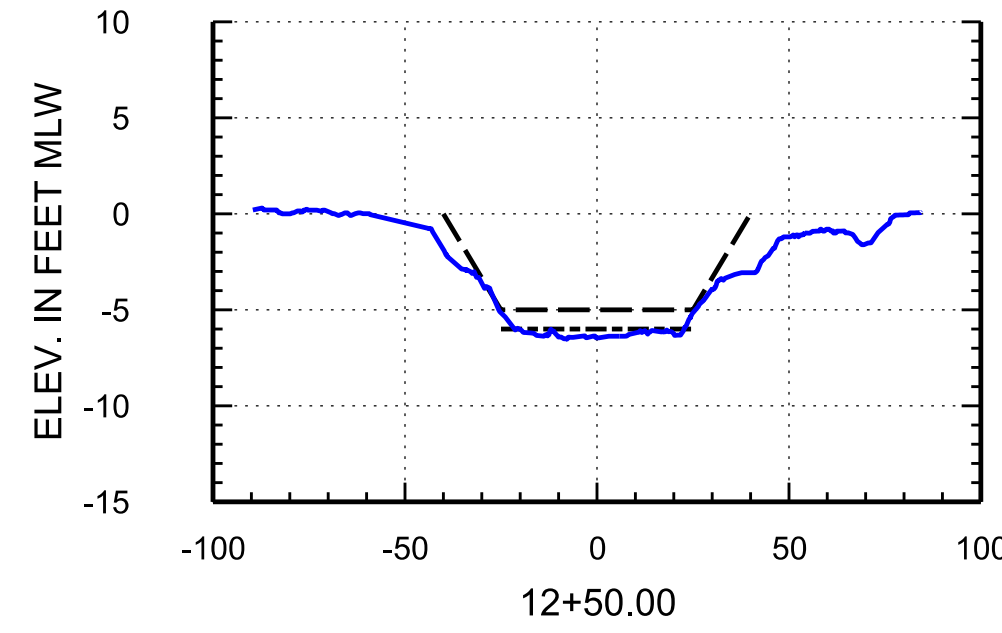
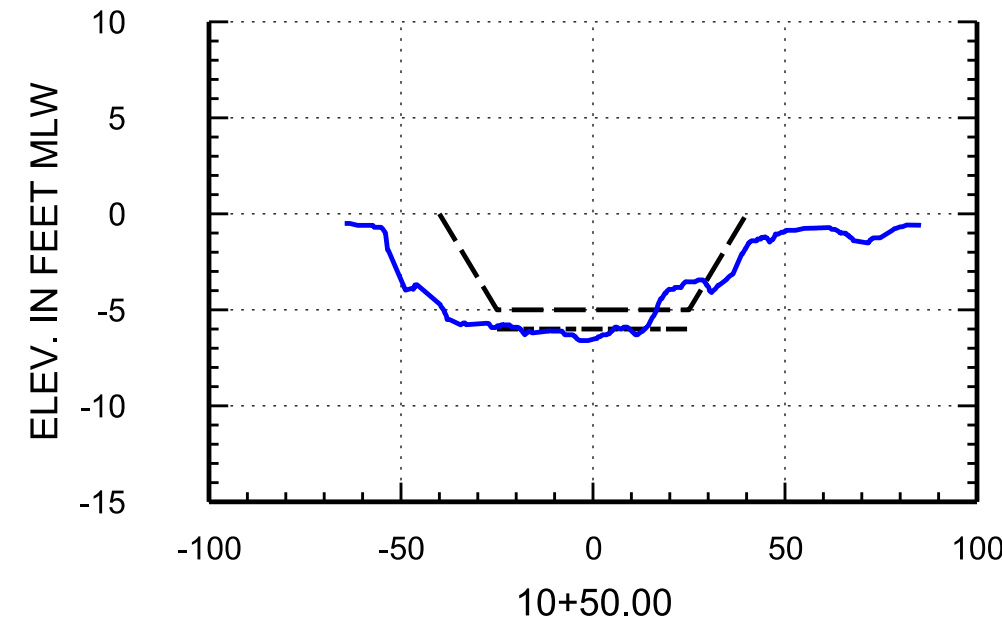
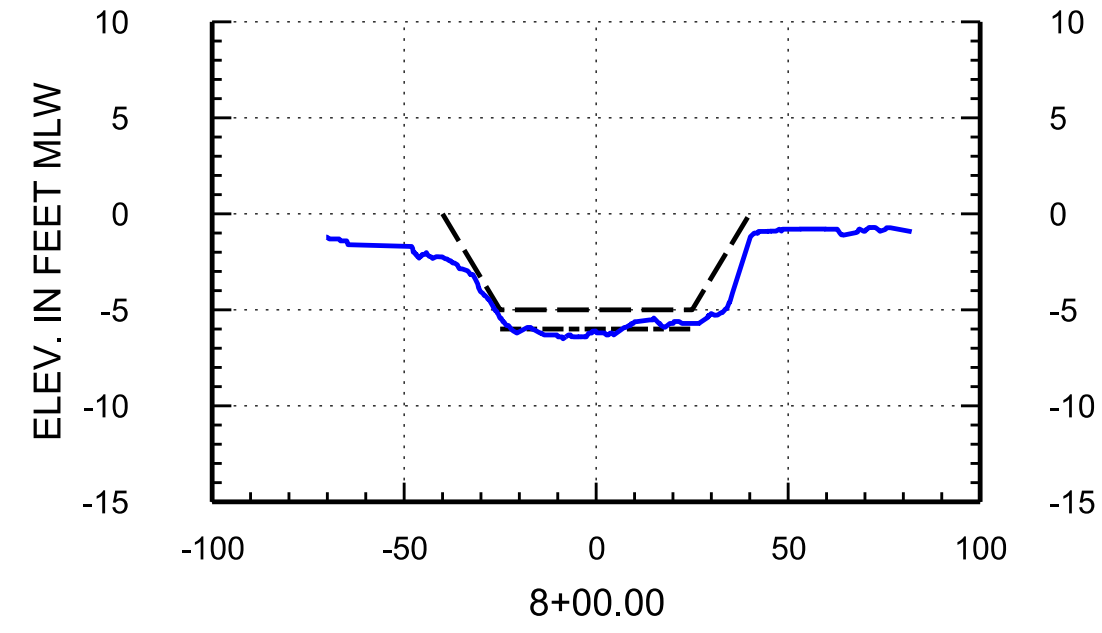
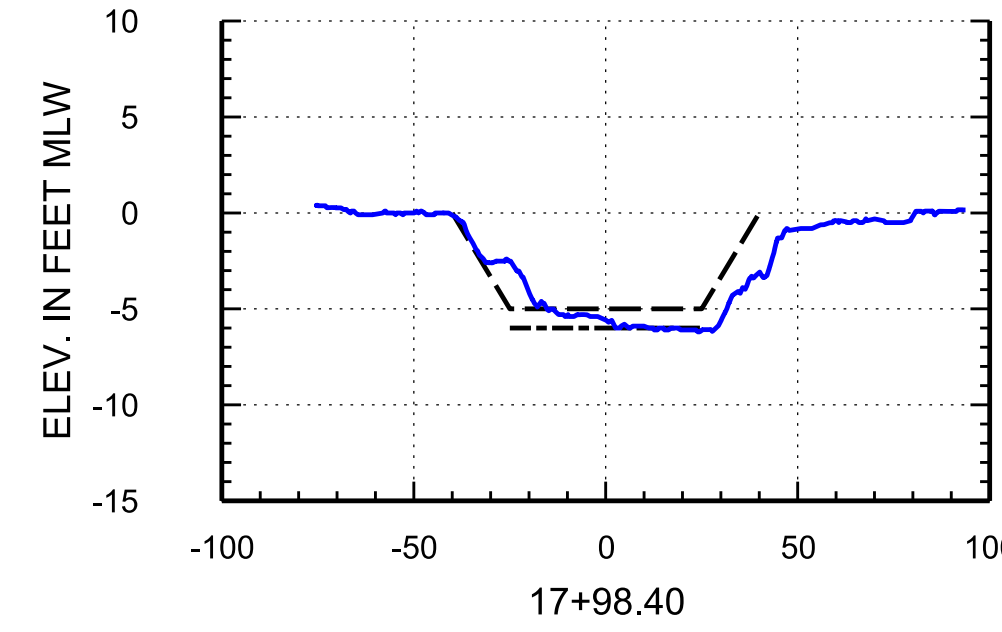
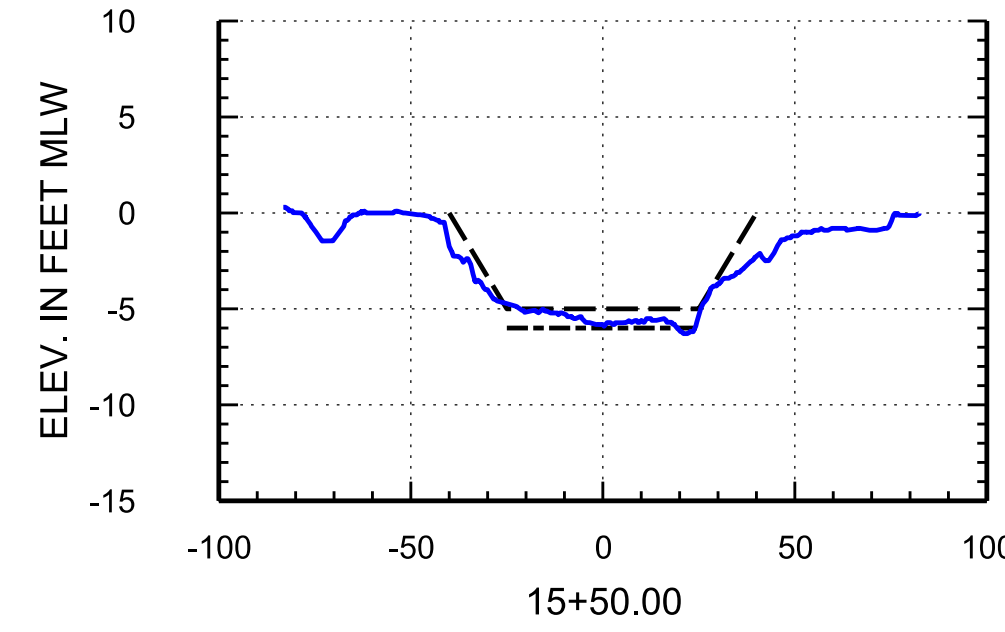
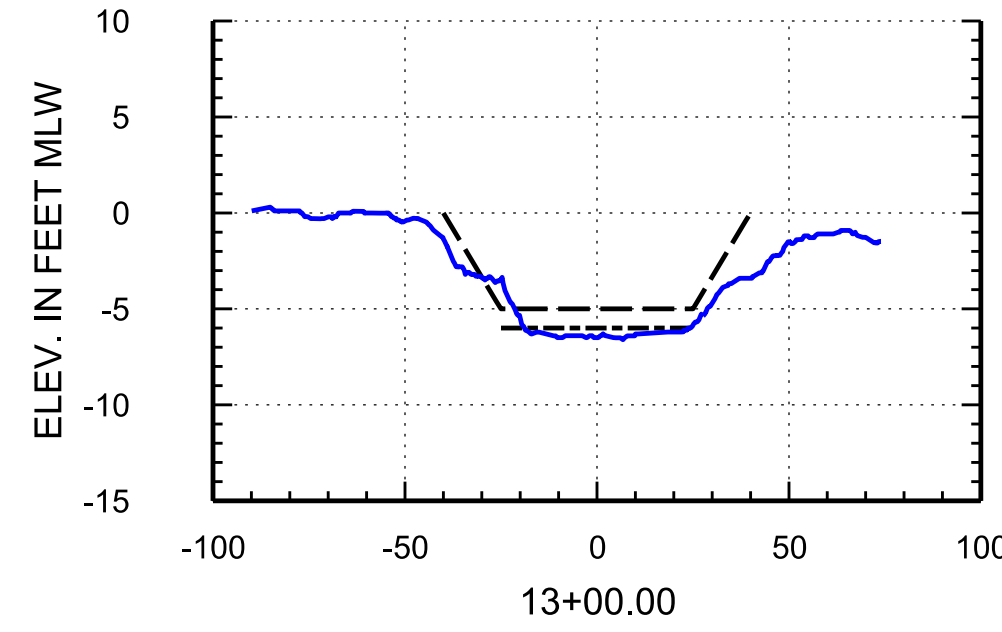
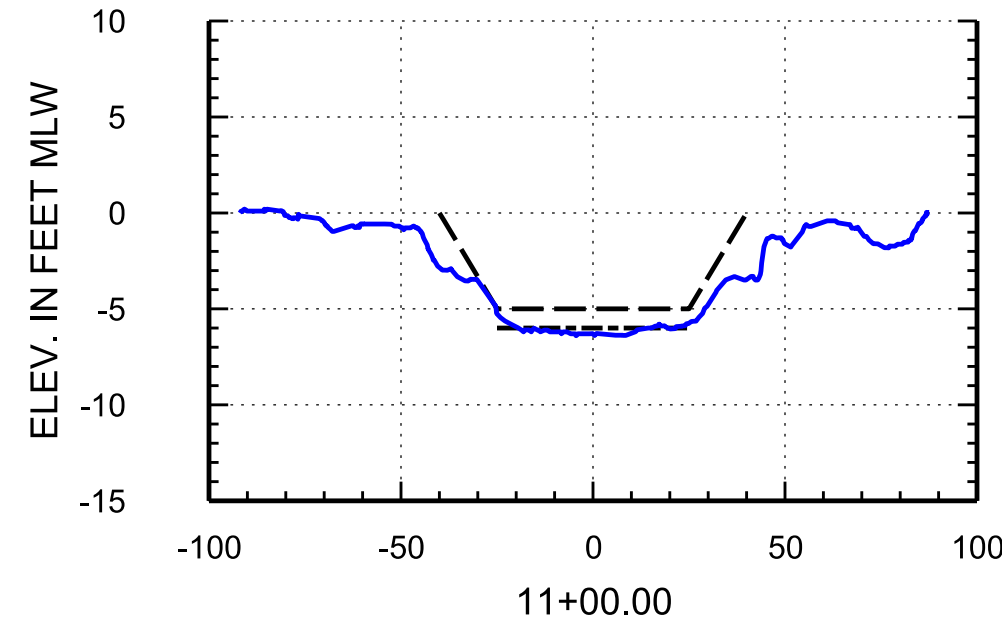
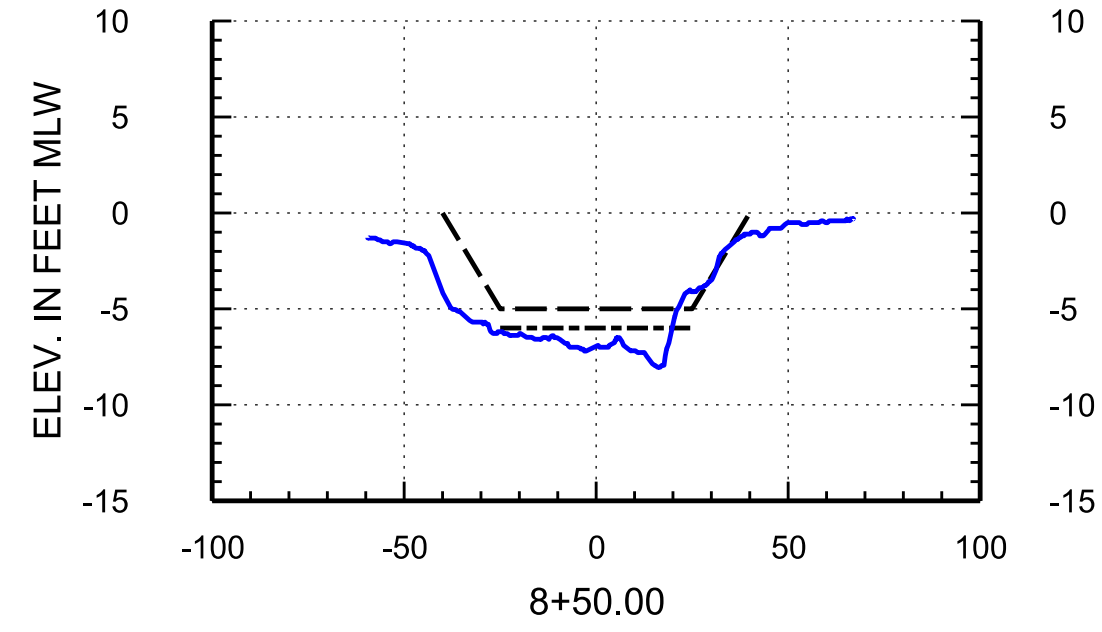
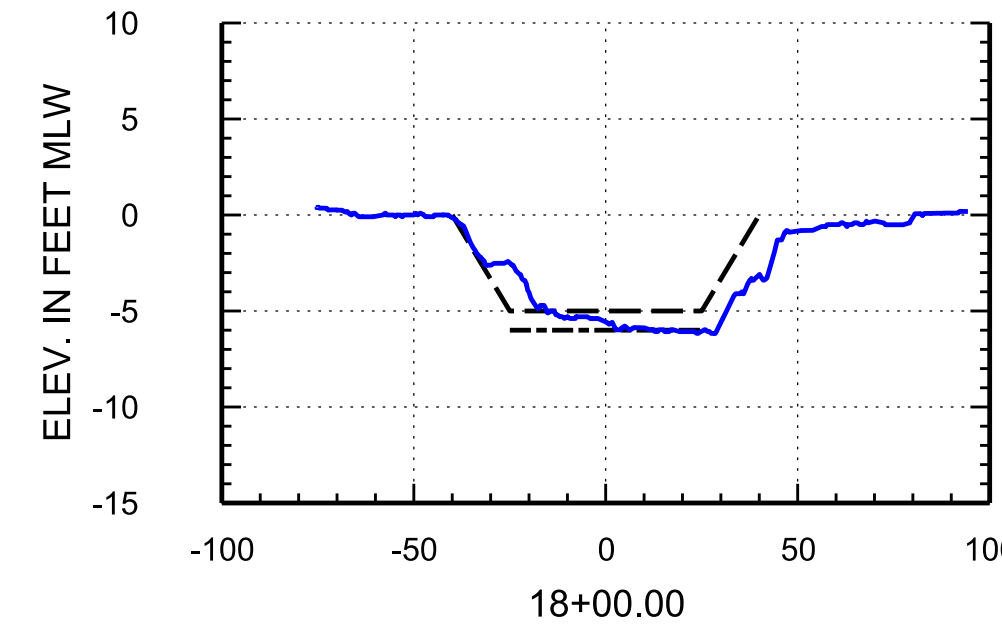
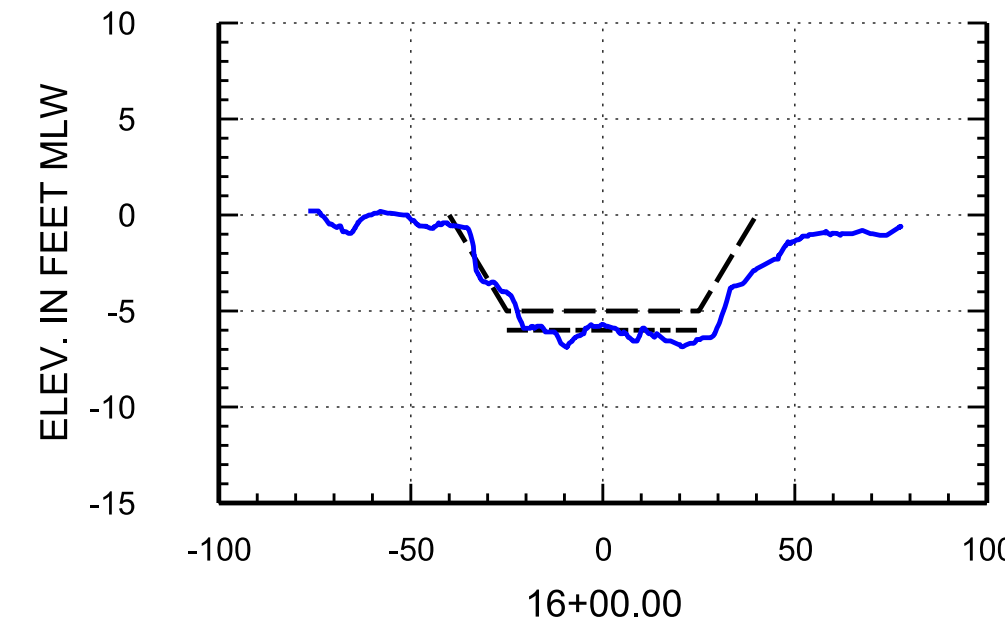
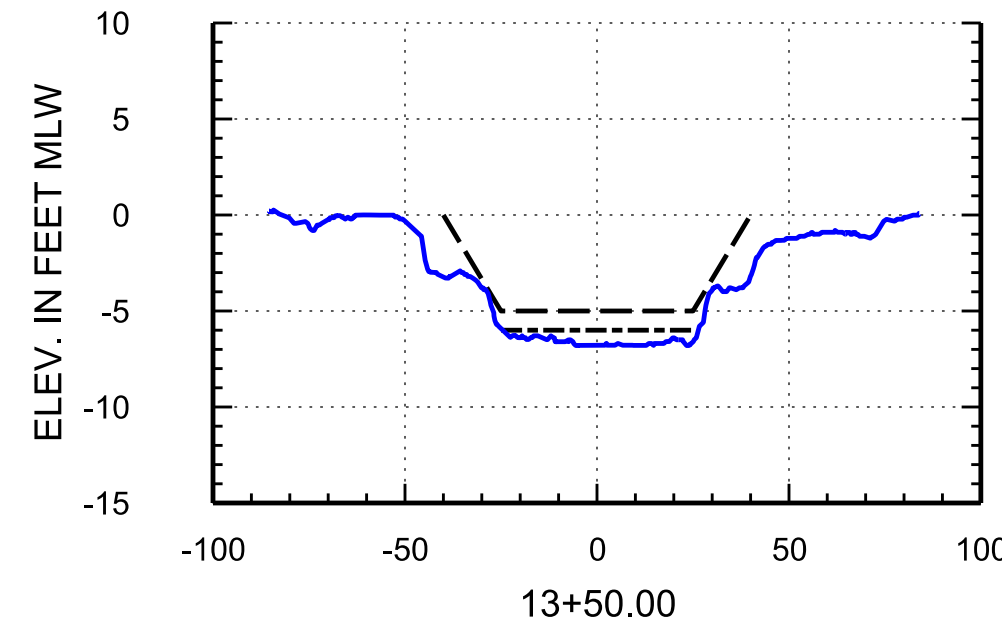
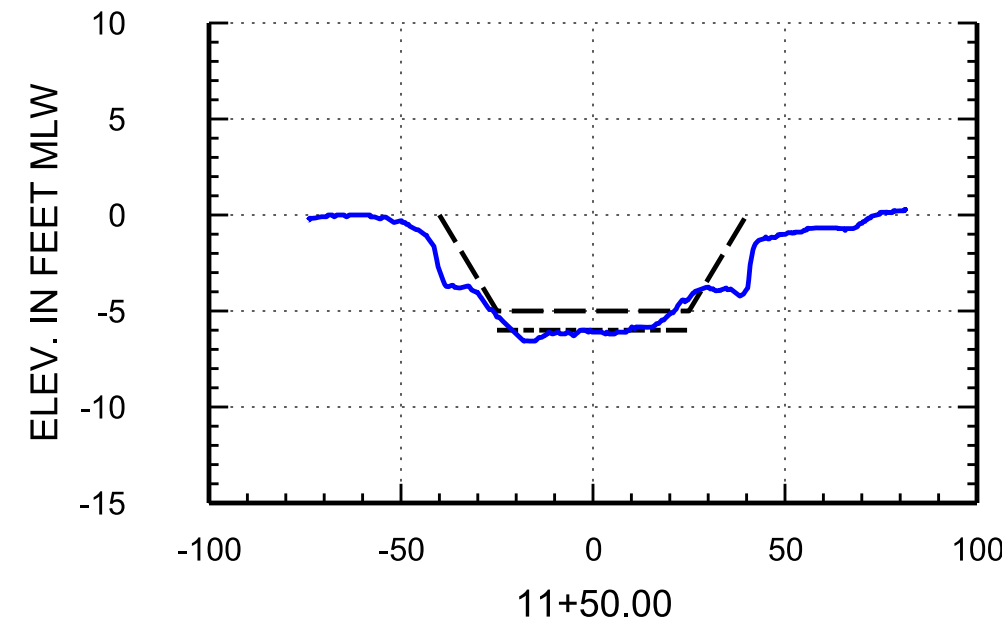
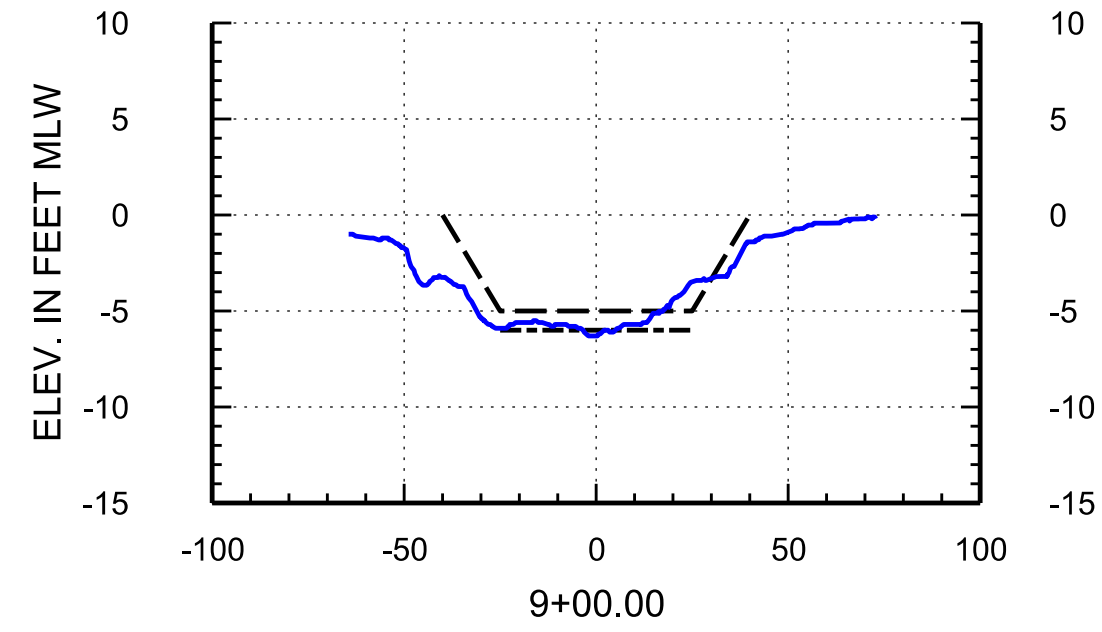
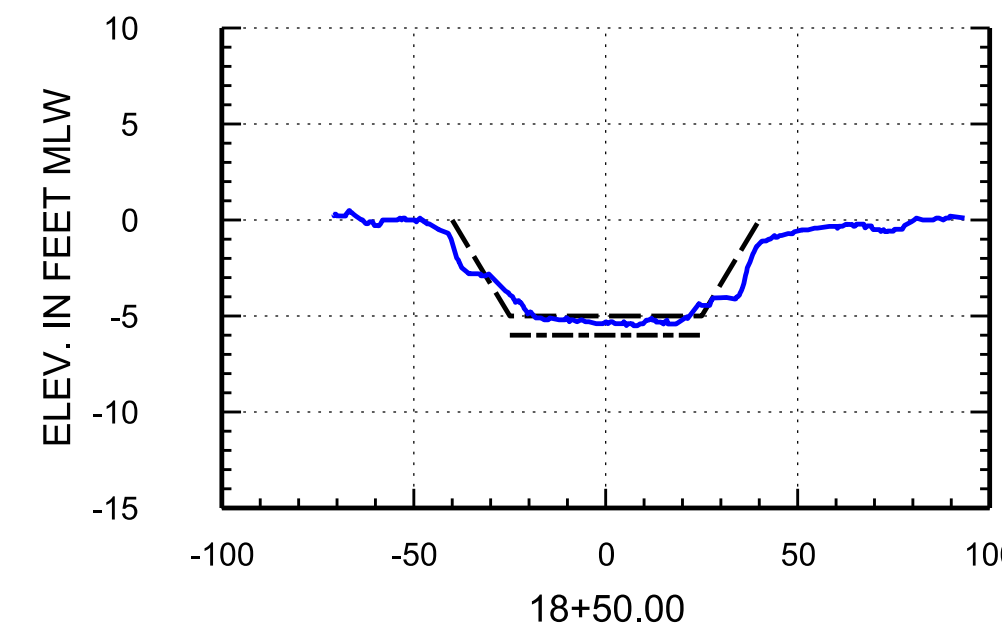
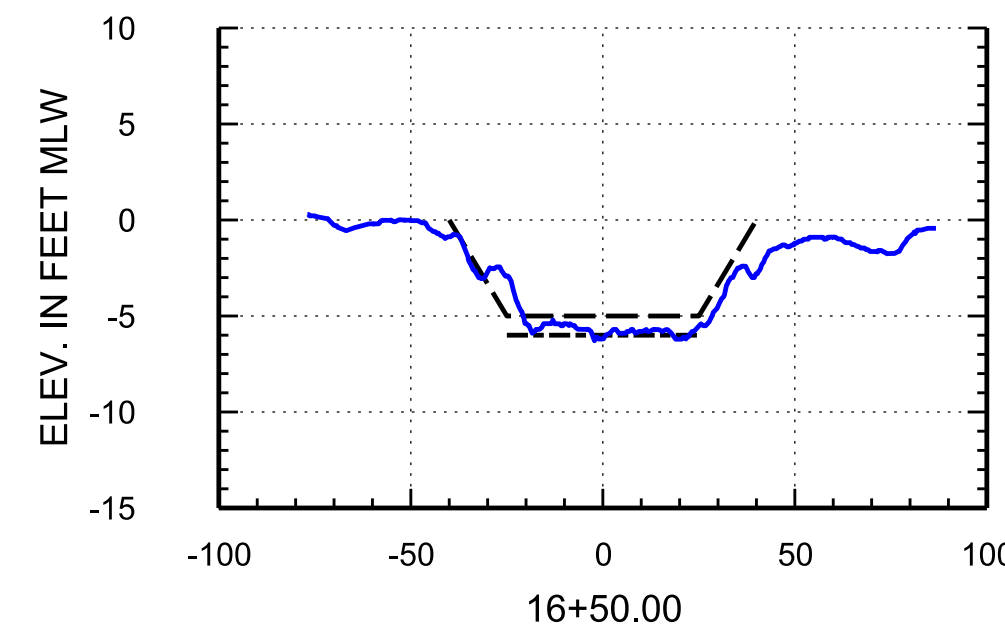
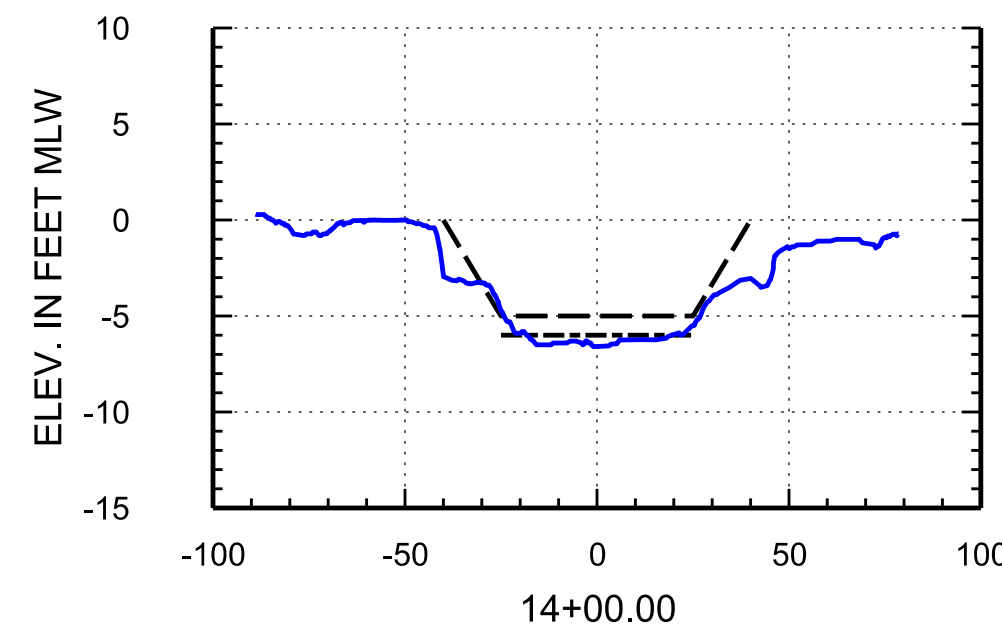
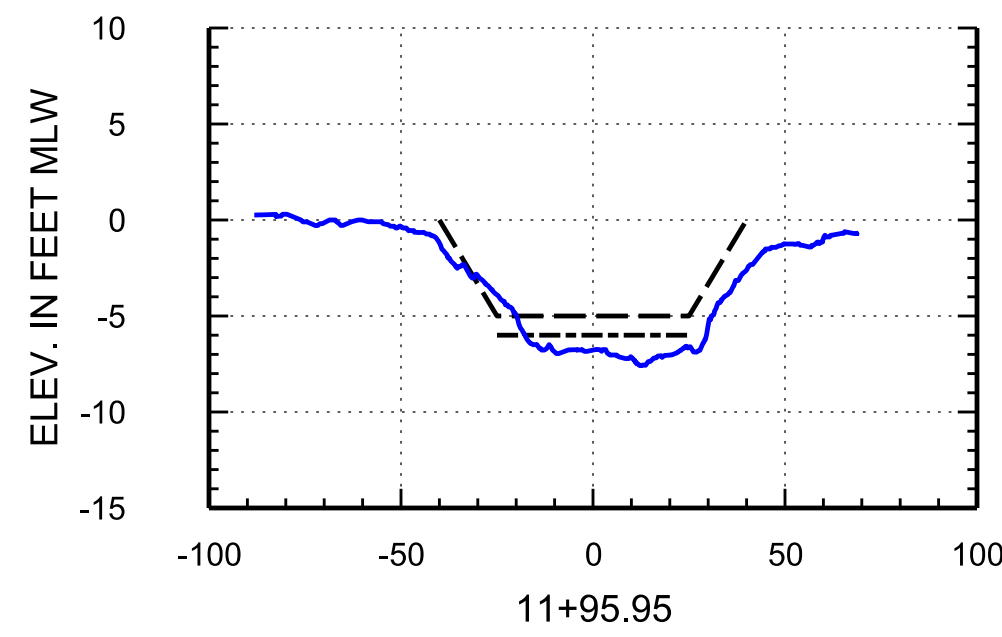
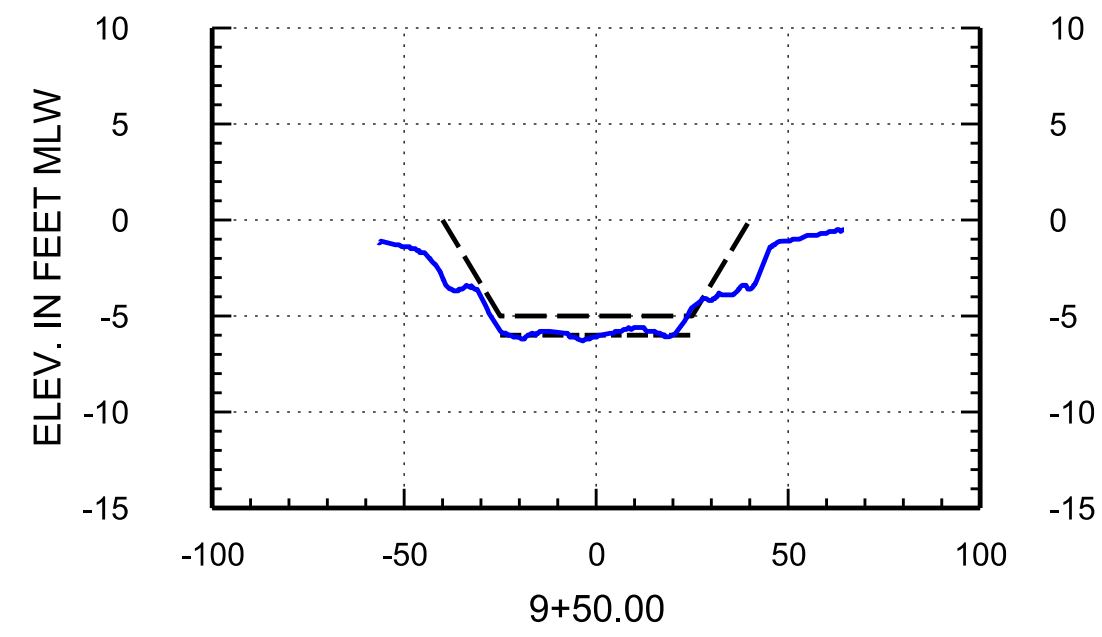
Project: MILL HARBOUR AFTER-DREDGE, CHANNEL 1 STATIONS 7+50 THRU 24+00 HYDROGRAPHIC SURVEY

Prepared For: Harbour Waterway Association Jacksonville, FL

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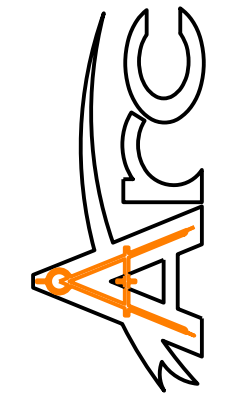
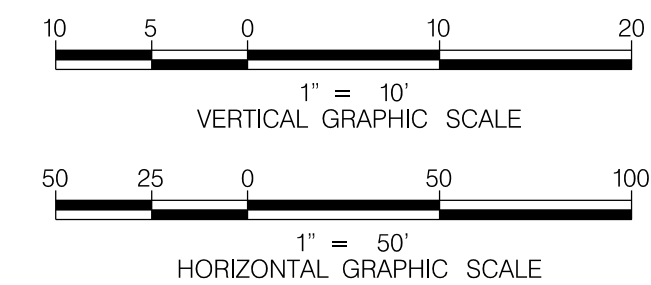


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File Name: C-13-36AD1
Fid Bk / Pg: 12-12/55
ARC Project No.: 12-11-11
SHEET: 3 OF: 5



LEGEND/ABBREVIATIONS

ELEV. = ELEVATION
MLW = MEAN LOW WATER
— = ARC HYDROGRAPHIC SURVEY APRIL 30, 2013
--- = -5' GRADE TEMPLATE W/ 3 ON 1 SIDE SLOPES
- - - - = -6' OVERDEPTH TEMPLATE W/ NO SIDE SLOPES



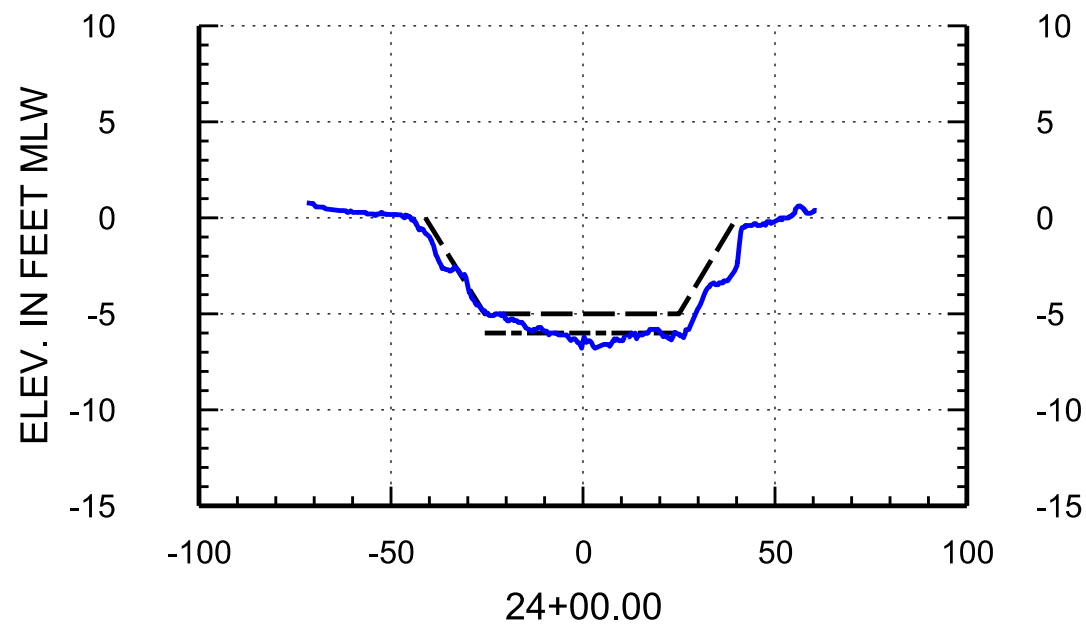
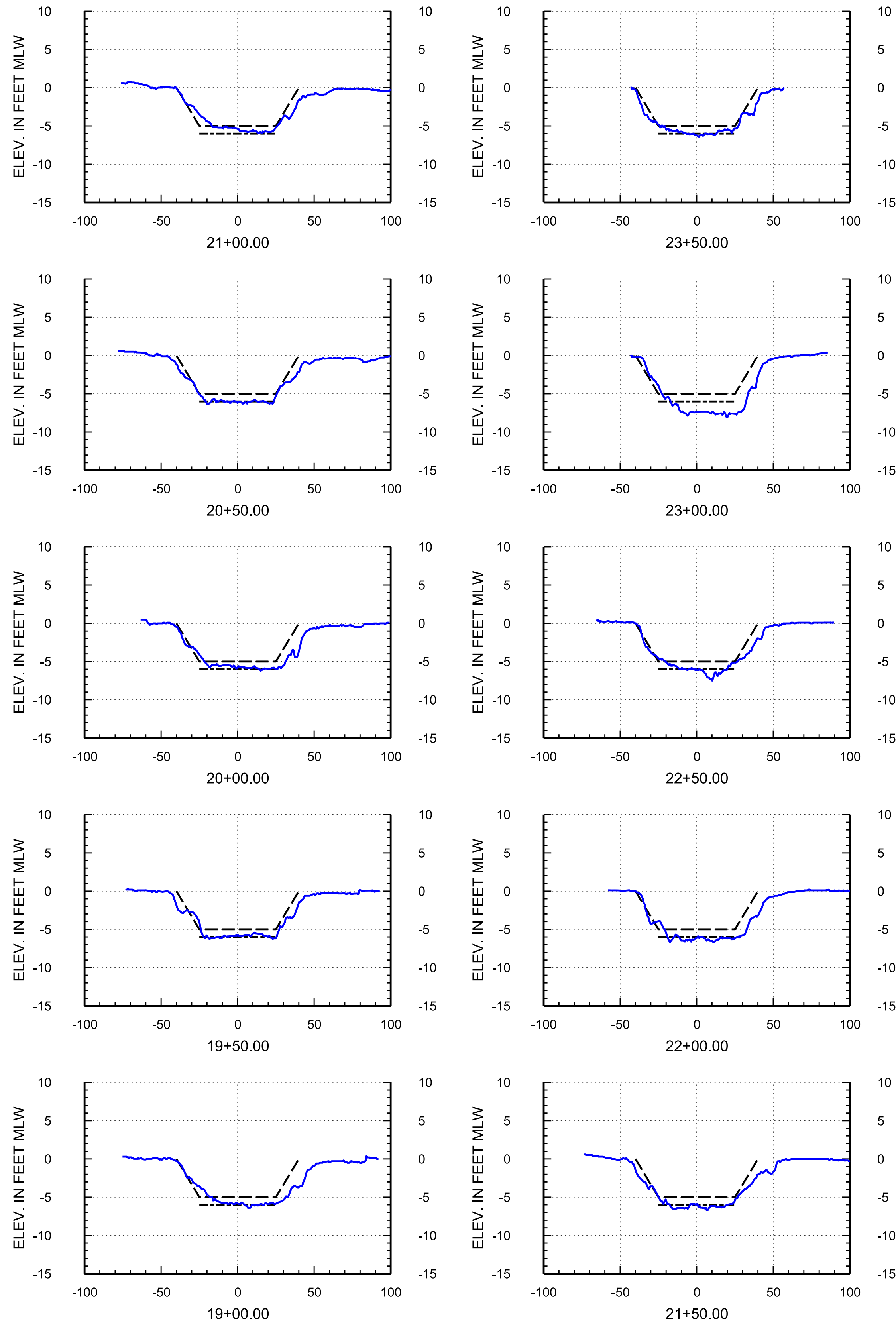
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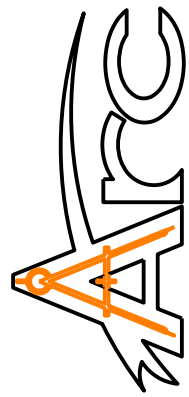
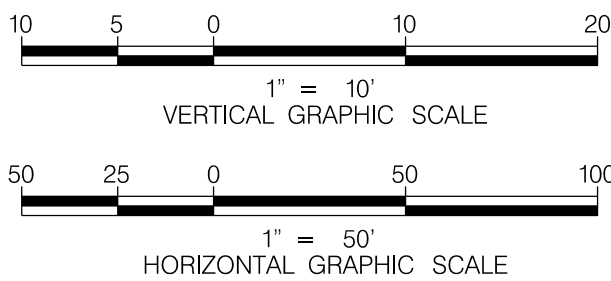
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SHEET: 4 OF: 5



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