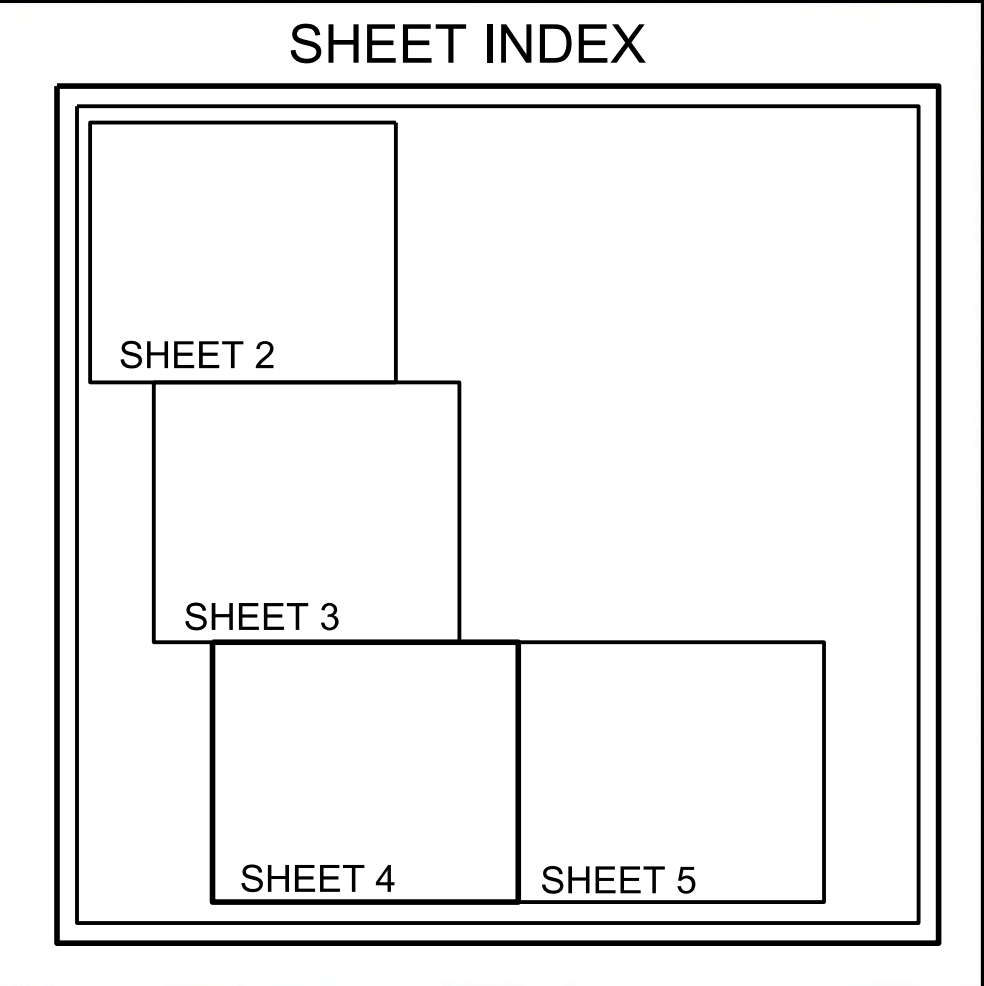
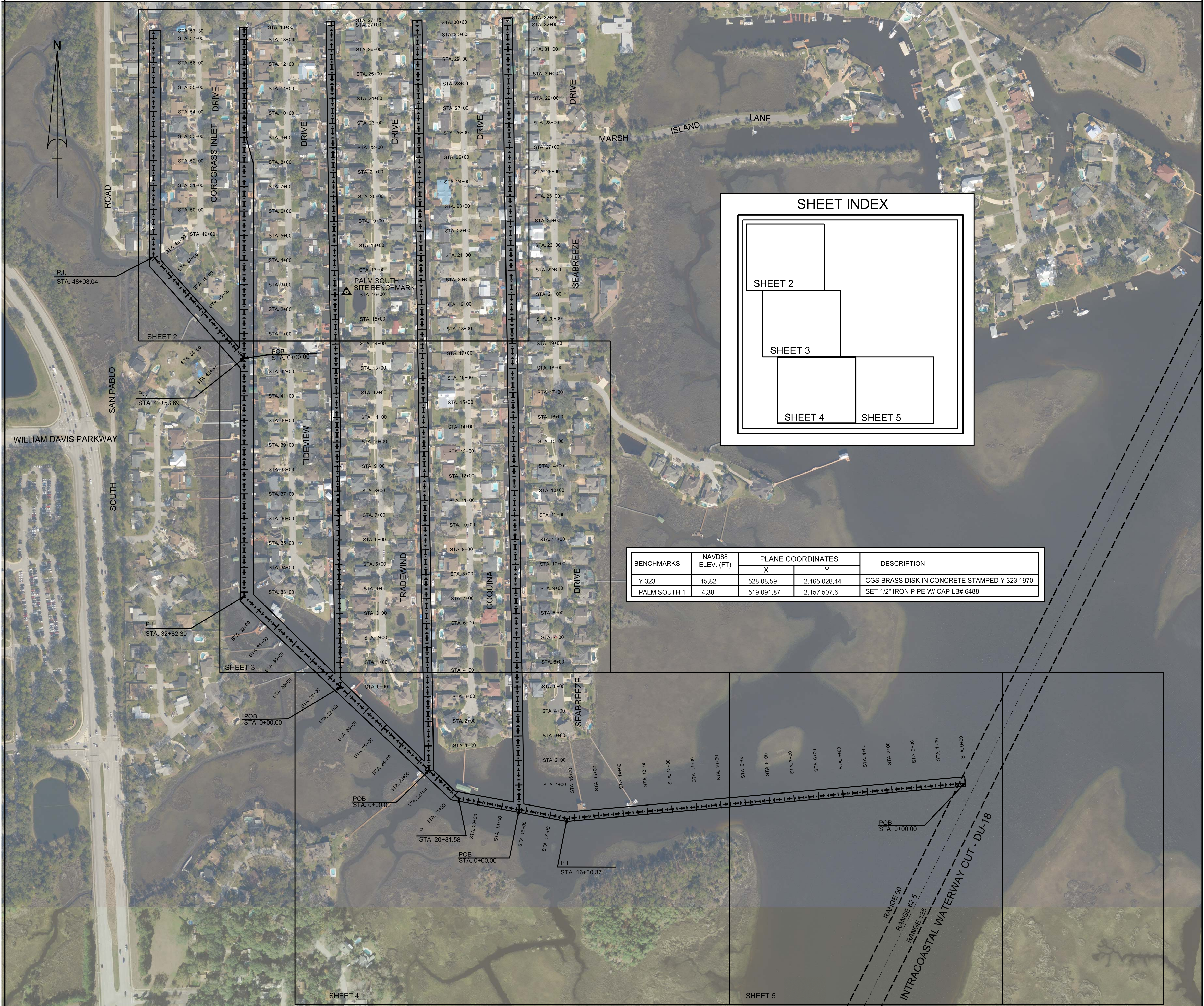
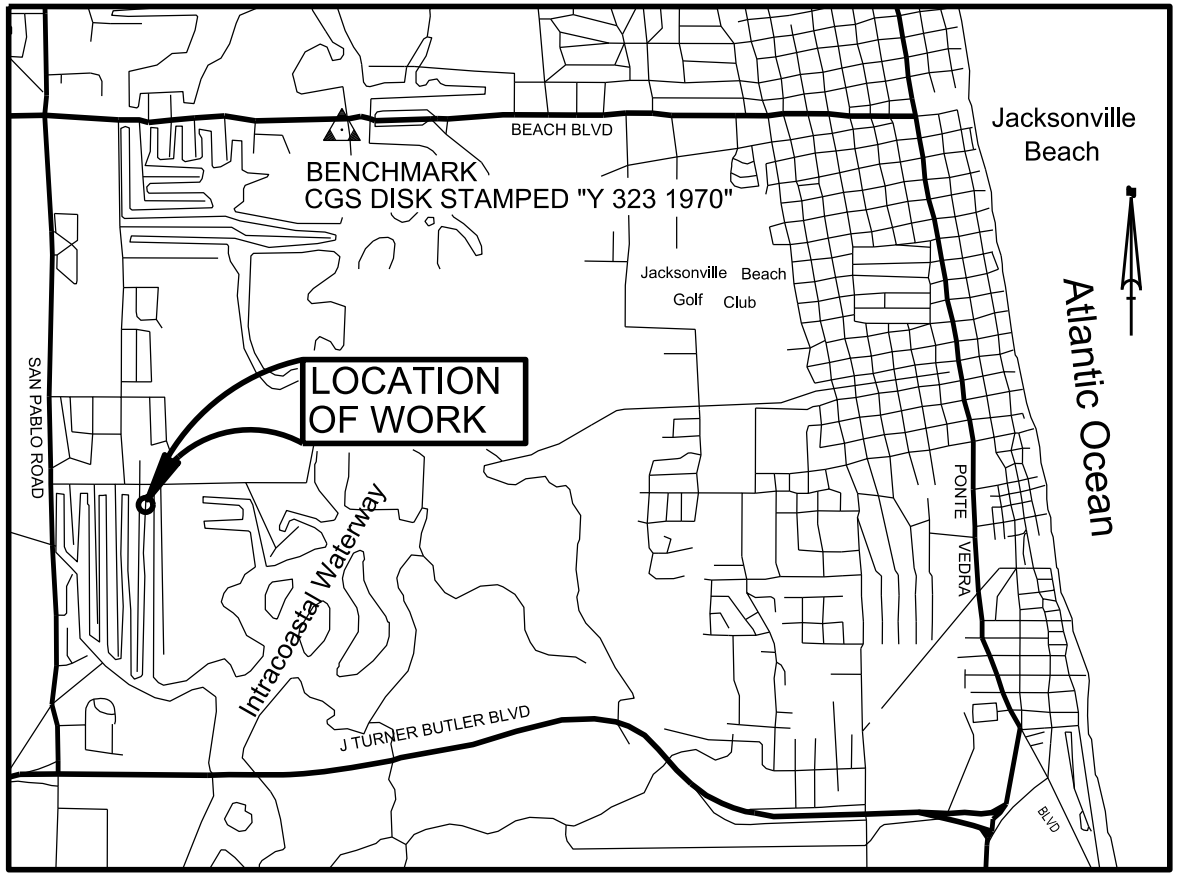


A MAP SHOWING A HYDROGRAPHIC SURVEY OF  
A PORTION OF ISLE OF PALMS SOUTH CANAL SYSTEM  
LOCATED IN DUVAL COUNTY, FLORIDA



| BENCHMARKS   | NAVD88<br>ELEV. (FT) | PLANE COORDINATES |              | DESCRIPTION                                   |
|--------------|----------------------|-------------------|--------------|-----------------------------------------------|
|              |                      | X                 | Y            |                                               |
| Y 323        | 15.82                | 528,08.59         | 2,165,028.44 | CGS BRASS DISK IN CONCRETE STAMPED Y 323 1970 |
| PALM SOUTH 1 | 4.38                 | 519,091.87        | 2,157,507.6  | SET 1/2" IRON PIPE W/ CAP LB# 6488            |



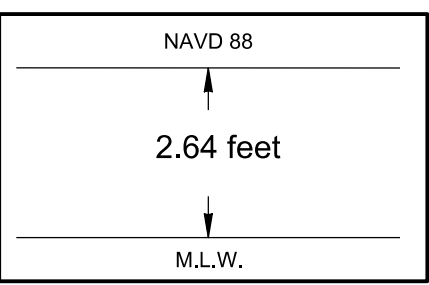
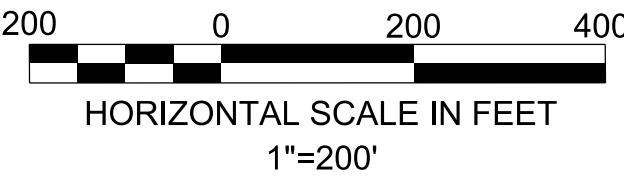
**SURVEY NOTES:**

- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983/88, STATE PLANE COORDINATES, FLORIDA EAST ZONE.
  - VERTICAL DATUM: MEAN LOW WATER (MLW). SOUNDINGS ARE IN FEET AND TENTHS. MLW DATUM OBTAINED FROM LABINS POINT IDENTIFICATION NUMBER 3729.
  - UNITS: U.S SURVEY FEET.
  - CONTOUR INTERVAL: 1 FOOT.
  - THIS HYDROGRAPHIC SURVEY WAS PERFORMED UTILIZING DIFFERENTIAL GPS (DGPS) SURVEYING METHODS FOR HORIZONTAL POSITIONING.
  - SOUNDINGS WERE COLLECTED USING A KNUDSEN 320M SINGLE BEAM SONAR. DATA PROCESSING WAS COMPLETED USING HYPACK HYSWEEP SOFTWARE.
  - THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED ON THE INDICATED DATES BELOW AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
- VESSEL      DATE OF SURVEY  
JON BOAT      JULY 6-10, 2020
- SURVEY QUALITY CONTROL STANDARDS AND FIELD EQUIPMENT CALIBRATIONS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH EM 1110-2-1003 FOR CLASS 1 HYDROGRAPHIC SURVEYS.
  - INTRACOASTAL CHANNEL LIMITS OBTAINED FROM A U.S. ARMY CORPS OF ENGINEERS MAP LABELED "INTRACOASTAL WATERWAY JACKSONVILLE TO MIAMI AND MIAMI TO KEY WEST, PROJECT CONDITION SURVEY 7, 10 & 12-FOOT PROJECT DEPTH" JOB NUMBER 04-021. NO ATTEMPT WAS MADE TO VERIFY INFORMATION, IT IS NOT TO BE USED FOR NAVIGATION.
  - BACKGROUND PHOTOGRAPHY WAS OBTAINED FROM WWW.LABINS.ORG, DATED 2017.
  - DOCKS WERE NOT LOCATED DURING THIS SURVEY. LOCATIONS BASED ON AN ARC FEBRUARY 2018 ISLE OF PALMS SURVEY.

**LEGEND/ABBREVIATIONS**

----- = CHANNEL CENTERLINE  
—— = CHANNEL TOE

MLW = MEAN LOW WATER  
NO. = NUMBER  
P.I. = POINT OF INTERSECTION  
POB = POINT OF BEGINNING  
STA. = STATION  
NAVD 88 = NORTH AMERICAN  
VERTICAL DATUM 1988  
ELEV.= ELEVATION



Relationship between NAVD 88  
and Mean Low Water

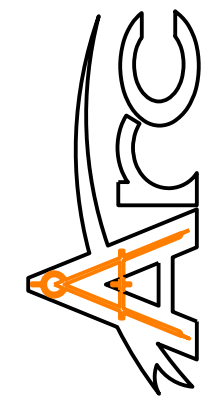
**Richard J. Sawyer**  
Professional Surveyor and Mapper No. 6131  
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED  
SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

| DATE | BY | REVISION |
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Project Title:  
Isle of Palms South  
Hydrographic Survey

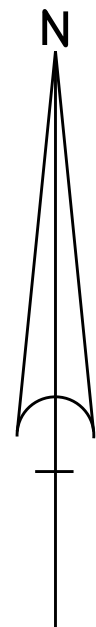
Prepared For:  
Isle of Palms Special District  
501 Riverside Avenue  
Jacksonville, FL 32202

Arc Surveying & Mapping, Inc.  
Professional Hydrographers • Surveyors • Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.394.8377

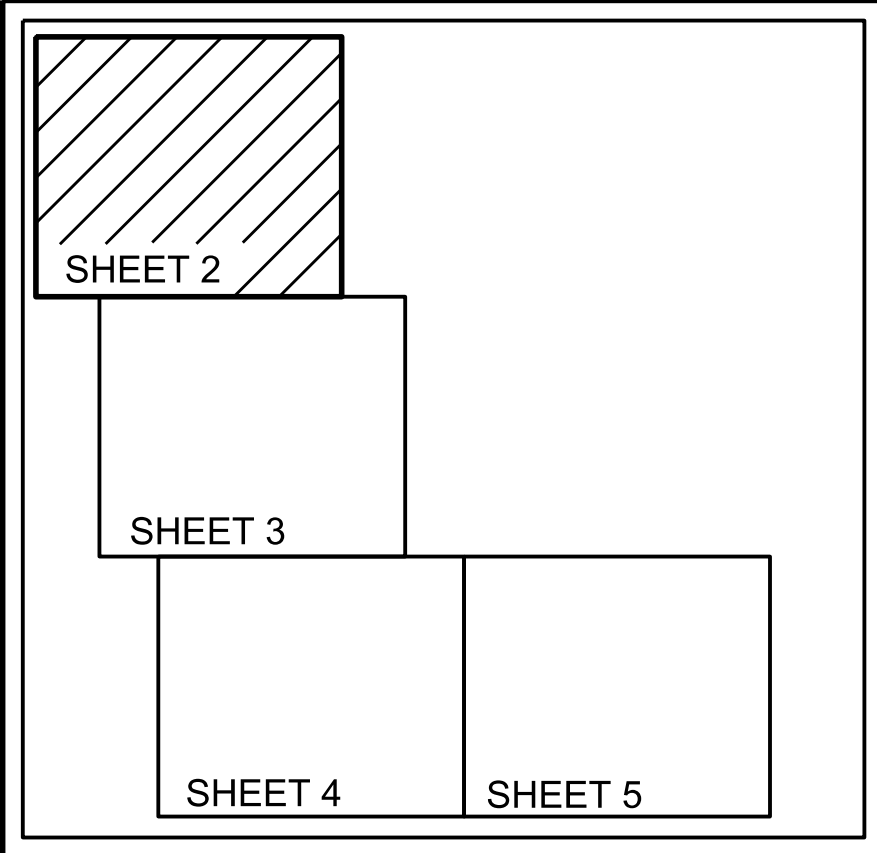


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| LB No. 6487                   |
| Drawn By: D. Trabits          |
| Scale: see map                |
| Plot Date: 07/15/20           |
| File Name:                    |
| Fld Bk / Pg:NA                |
| ARC Project No.:<br>2020-0077 |
| SHEET:1 OF: 26                |





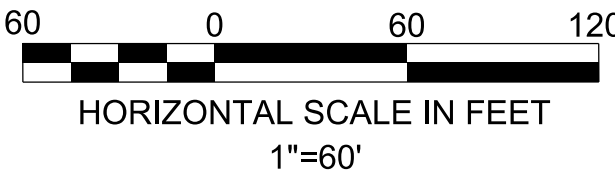
SHEET INDEX



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- NOTES:
1. REFER TO SURVEY NO. 2020-0077
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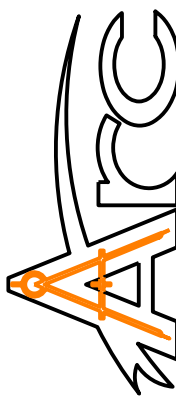


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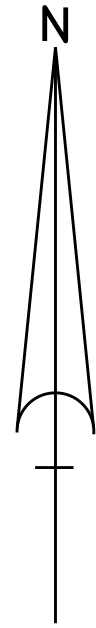
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Florida 32210  
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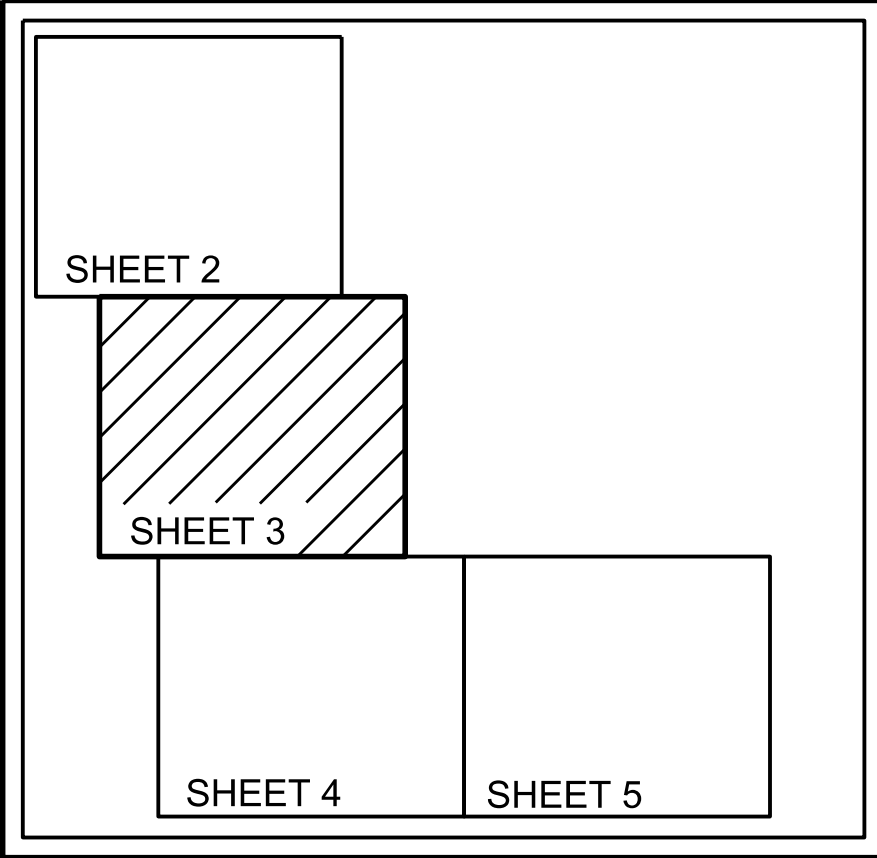


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| LB No. 6487                   |
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| Scale: see map                |
| Plot Date: 07/15/20           |
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| Fld Bk / Pg:NA                |
| ARC Project No.:<br>2020-0077 |
| SHEET: 2 OF: 26               |





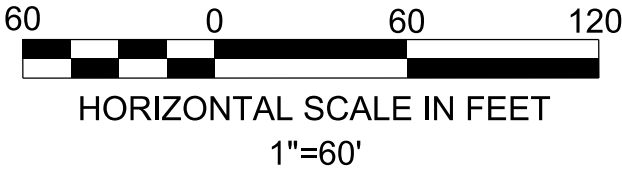
SHEET INDEX



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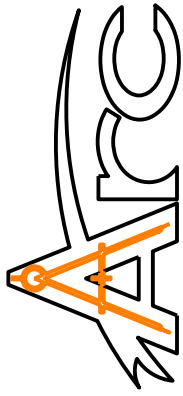


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Hydrographic Survey

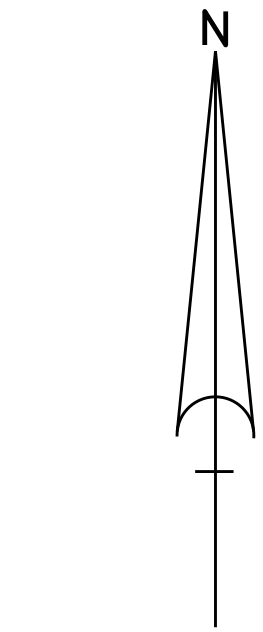
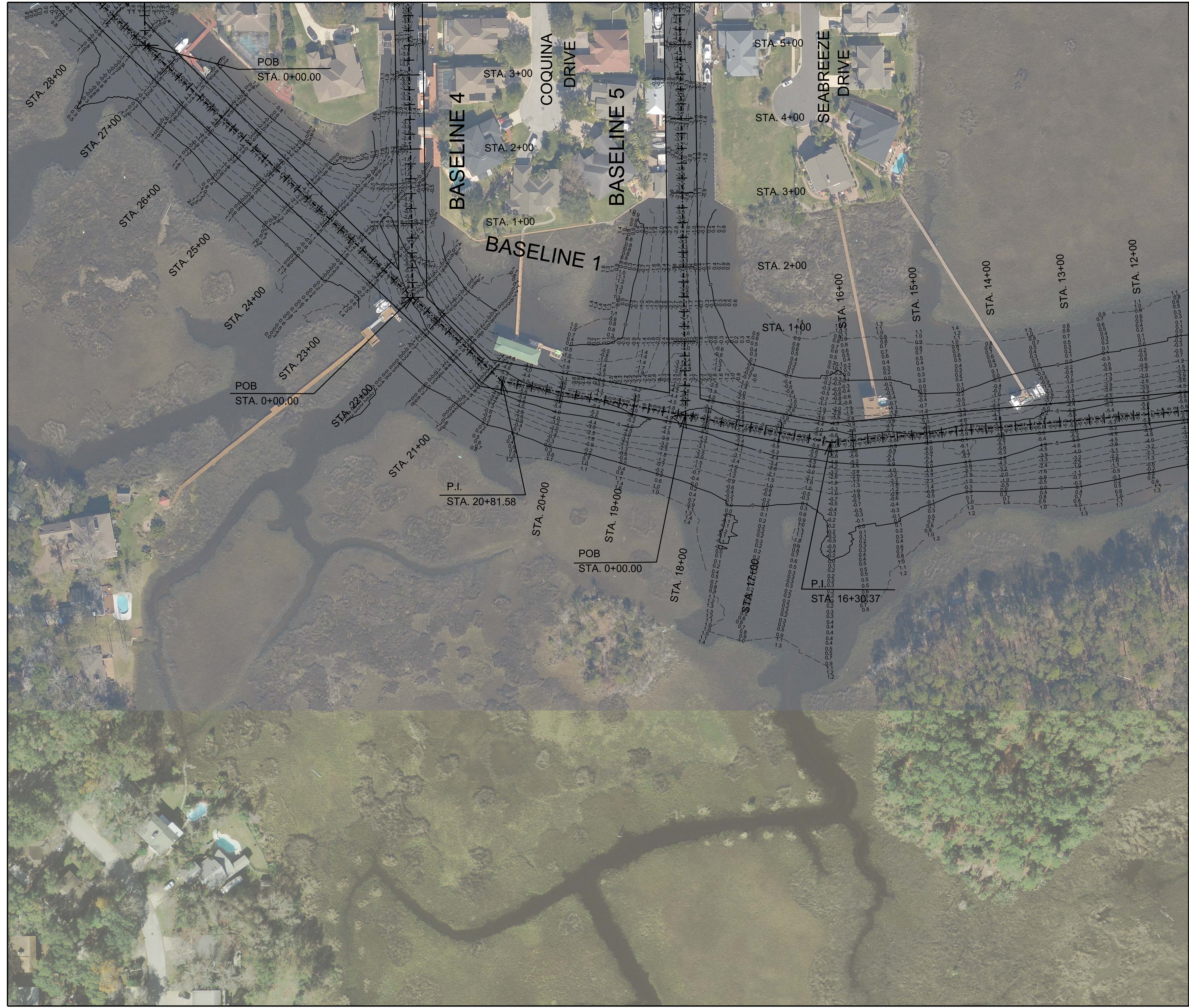
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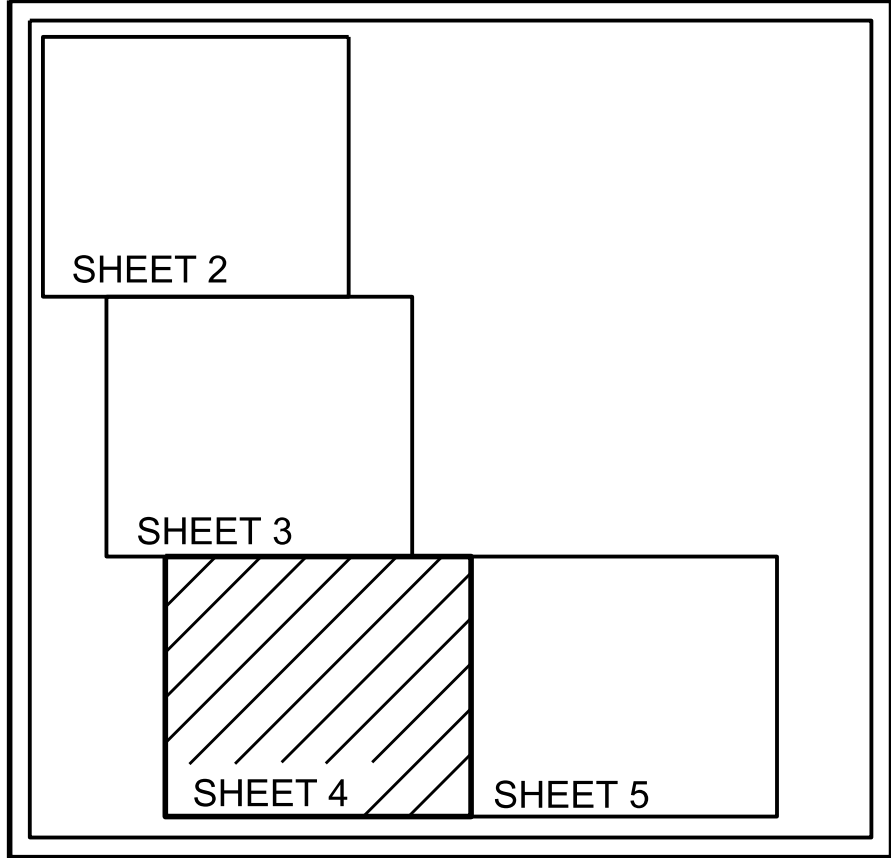


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| Fld Bk / Pg:NA                |
| ARC Project No.:<br>2020-0077 |
| SHEET: 3 OF: 26               |





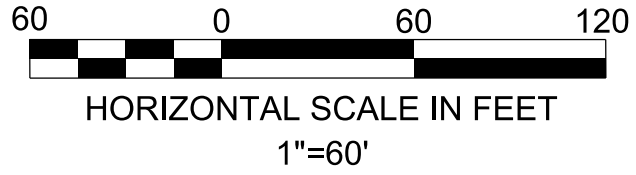
SHEET INDEX



LEGEND/ABBREVIATIONS

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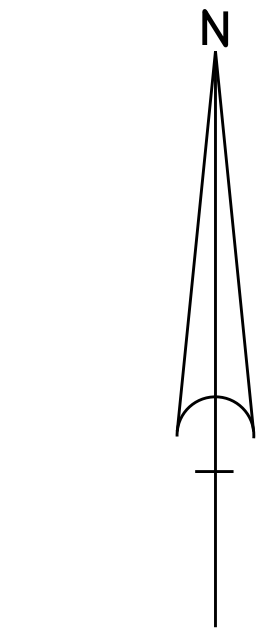
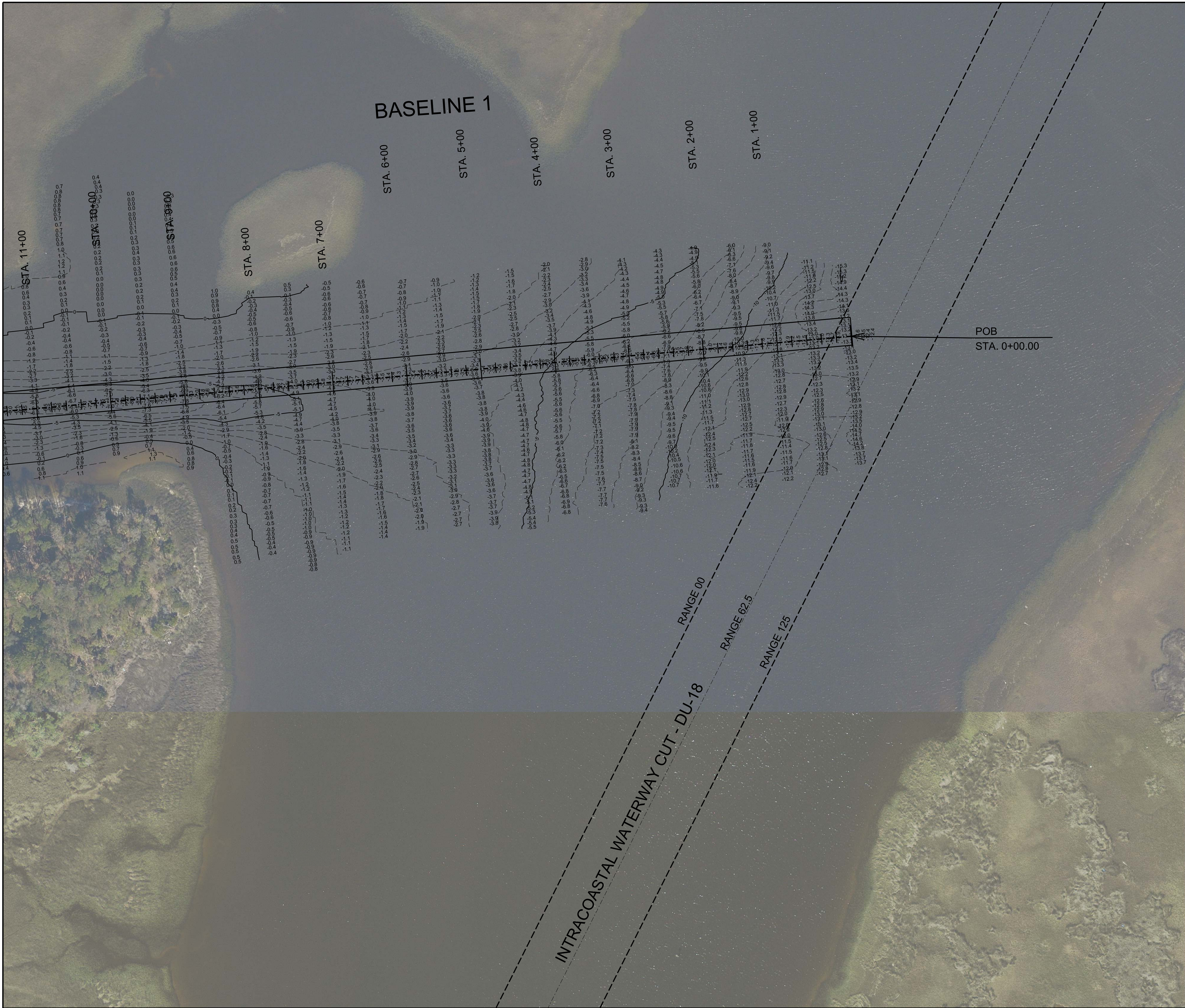
Project Title:  
Isle of Palms South  
Hydrographic Survey

Prepared For:  
Isle of Palms Special District  
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Jacksonville, FL 32202

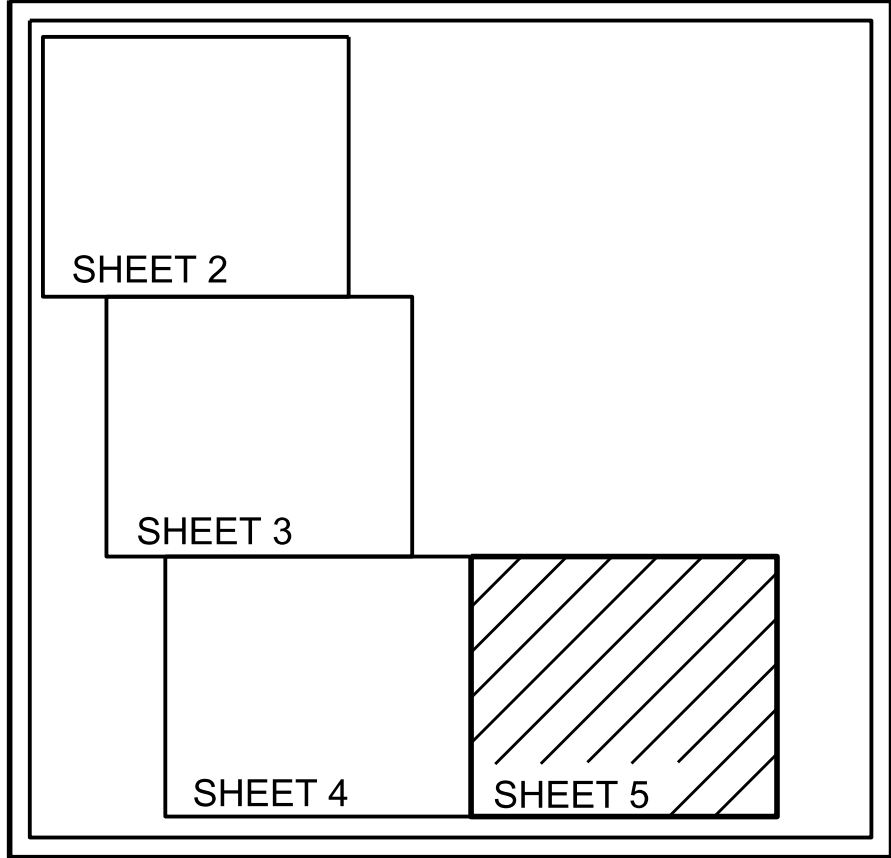
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904.394.8377

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| Scale: see map                |
| Plot Date: 07/15/20           |
| File Name:                    |
| Fld Bk / Pg:NA                |
| ARC Project No.:<br>2020-0077 |
| SHEET: 4 OF: 26               |





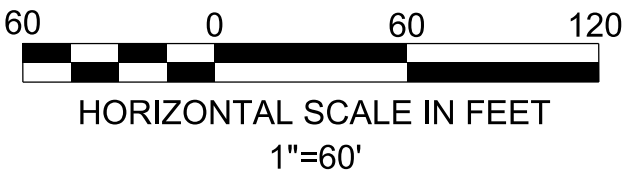
SHEET INDEX



LEGEND/ABBREVIATIONS

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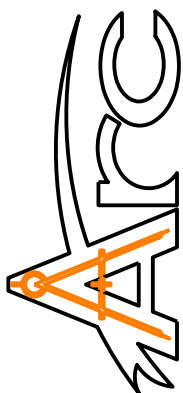


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Project Title:  
Isle of Palms South  
Hydrographic Survey

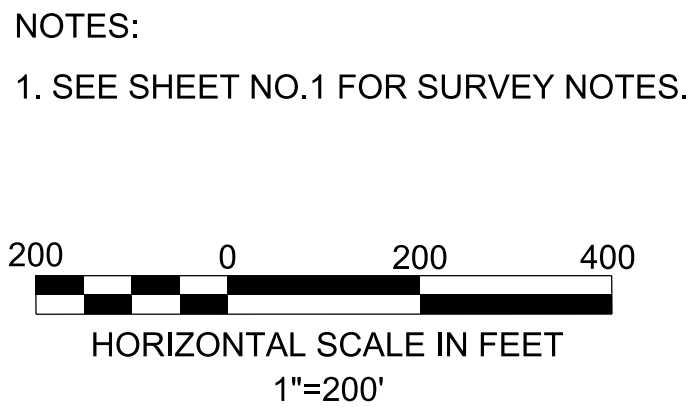
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| Scale: see map                |
| Plot Date: 07/15/20           |
| File Name:                    |
| Fld Bk / Pg:NA                |
| ARC Project No.:<br>2020-0077 |
| SHEET: 5 OF: 26               |

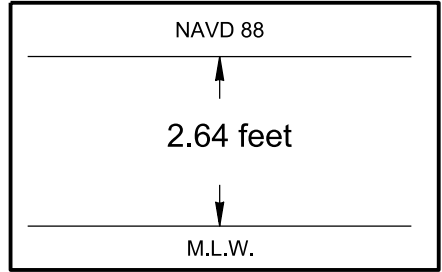




| BASELINE CONTROL TABULATION |            |           |            |         |
|-----------------------------|------------|-----------|------------|---------|
| BASELINE 1                  |            |           |            |         |
| STATION                     | NORTHING   | EASTING   | NAZIMUTH   | LENGTH  |
| 0+00.00                     | 2155505.22 | 521615.94 | 264°56'04" | 1630.37 |
| 16+30.37                    | 2155361.27 | 519991.94 | 280°32'36" | 451.21  |
| 20+81.58                    | 2155443.83 | 519548.35 | 313°16'22" | 1200.72 |
| 32+82.30                    | 2156266.90 | 518674.10 | 0°00'00"   | 971.39  |
| 42+53.69                    | 2157238.29 | 518674.10 | 318°13'03" | 554.34  |
| 48+08.04                    | 2157651.66 | 518304.74 | 0°00'00"   | 922.01  |
| 57+30.05                    | 2158573.67 | 518304.74 |            |         |
| BASELINE 2                  |            |           |            |         |
| STATION                     | NORTHING   | EASTING   | NAZIMUTH   | LENGTH  |
| 0+00.00                     | 2157238.29 | 518674.10 | 0°00'00"   | 1350.00 |
| 13+50.00                    | 2158588.29 | 518674.10 |            |         |
| BASELINE 3                  |            |           |            |         |
| STATION                     | NORTHING   | EASTING   | NAZIMUTH   | LENGTH  |
| 0+00.00                     | 2155896.66 | 519067.37 | 359°12'05" | 2715.00 |
| 27+15.00                    | 2158611.39 | 519029.53 |            |         |
| BASELINE 4                  |            |           |            |         |
| STATION                     | NORTHING   | EASTING   | NAZIMUTH   | LENGTH  |
| 0+00.00                     | 2155556.72 | 519428.45 | 359°05'48" | 3060.00 |
| 30+60.00                    | 2158616.34 | 519380.21 |            |         |
| BASELINE 5                  |            |           |            |         |
| STATION                     | NORTHING   | EASTING   | NAZIMUTH   | LENGTH  |
| 0+00.00                     | 2155397.68 | 519796.33 | 359°09'04" | 3228.08 |
| 32+28.08                    | 2158625.40 | 519748.50 |            |         |

| BENCHMARKS   | NAVD88<br>ELEV. (FT) | PLANE COORDINATES |              | DESCRIPTION                                   |
|--------------|----------------------|-------------------|--------------|-----------------------------------------------|
|              |                      | X                 | Y            |                                               |
| Y 323        | 15.82                | 528,08.59         | 2,165,028.44 | CGS BRASS DISK IN CONCRETE STAMPED Y 323 1970 |
| PALM SOUTH 1 | 4.34                 | 519,091.87        | 2,157,507.60 | SET 1/2" IRON PIPE W/ CAP LB# 6488            |

| LEGEND/ABBREVIATIONS |                                      |
|----------------------|--------------------------------------|
| ----                 | = CHANNEL CENTERLINE                 |
| ----                 | = CHANNEL TOE                        |
| MLW                  | = MEAN LOW WATER                     |
| NO.                  | = NUMBER                             |
| P.I.                 | = POINT OF INTERSECTION              |
| POB                  | = POINT OF BEGINNING                 |
| STA.                 | = STATION                            |
| NAVD 88              | = NORTH AMERICAN VERTICAL DATUM 1988 |
| ELEV.                | = ELEVATION                          |



Relationship between NAVD 88 and Mean Low Water

| DATE | BY | REVISION |
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Project Title:  
Isle of Palms South  
Hydrographic Survey

Prepared For:  
Isle of Palms Special District  
501 Riverside Avenue  
Jacksonville, FL 32202

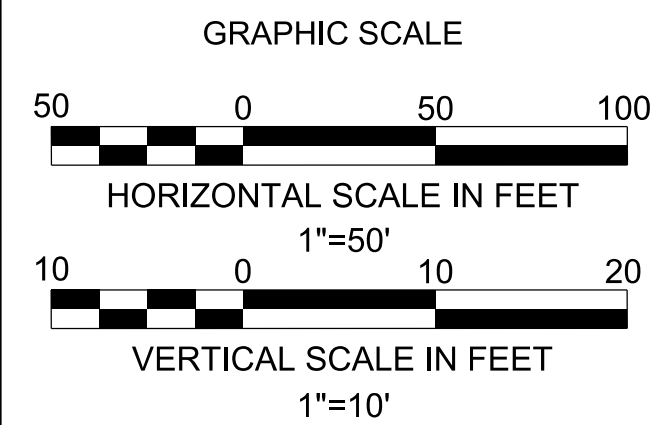
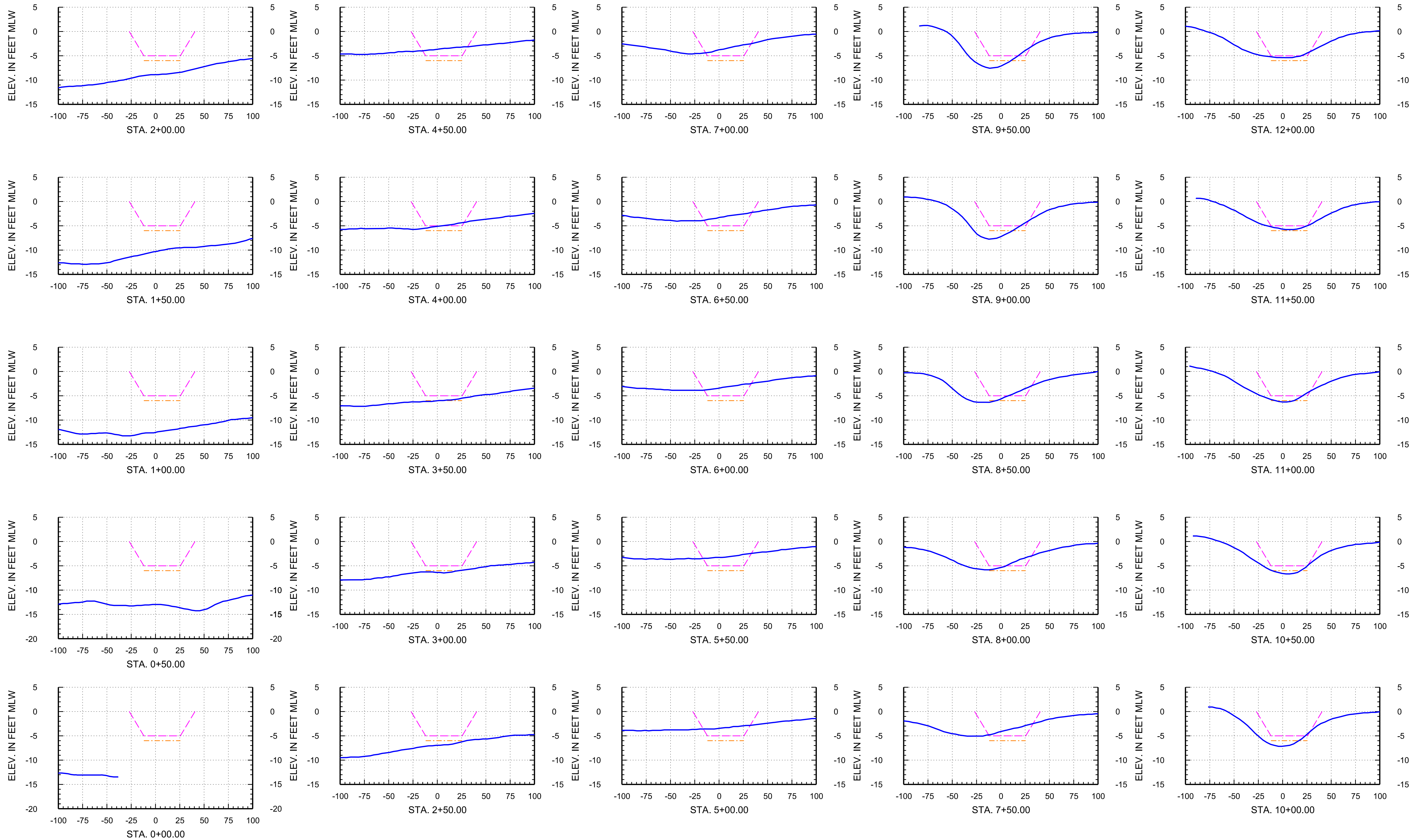
Arc Surveying & Mapping, Inc.  
Professional Hydrographers • Surveyors • Mappers  
5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.394.8377

LB No. 6487  
Drawn By: D. Trabits  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg:NA  
ARC Project No.:  
2020-0077

SHEET: 6 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 1



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

Prepared For:  
**Isle of Palms Special District**  
501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:  
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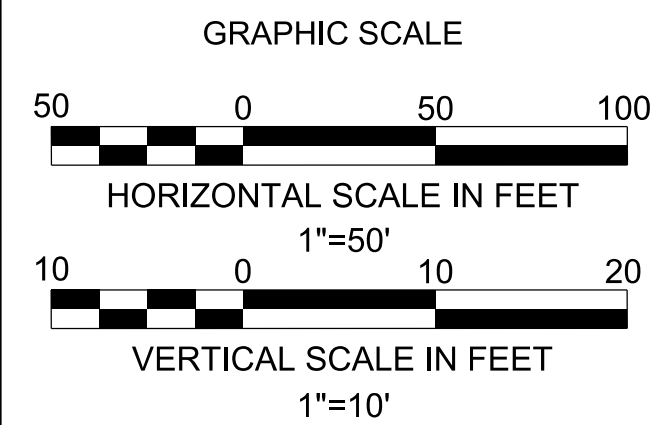
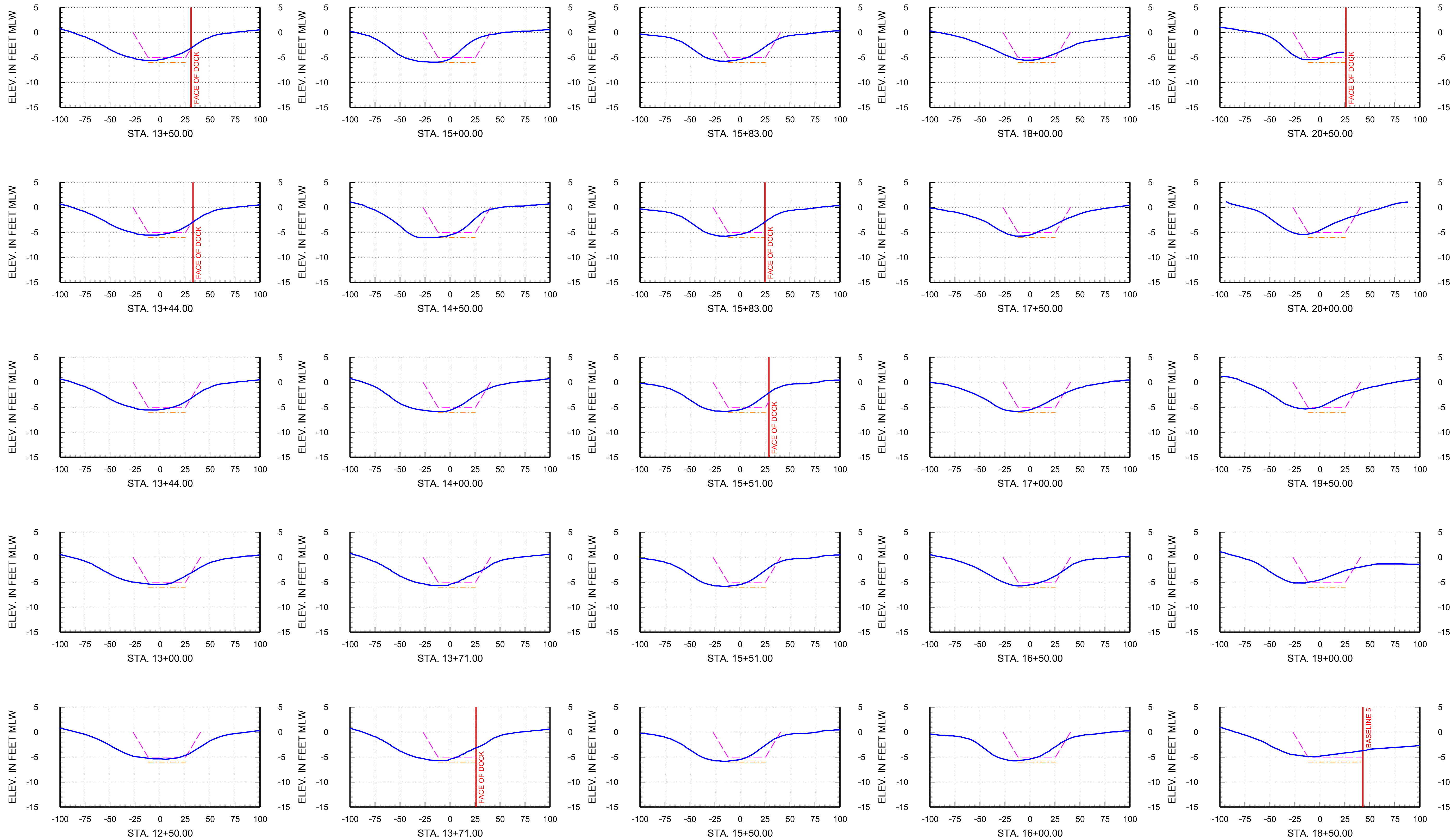
— = ARC SURVEY HYDROGRAPHIC SURVEY JULY 6-10, 2020  
- - - = TEMPLATE AT -5' MLW  
- - - = TEMPLATE AT -6' MLW  
MLW = MEAN LOW WATER  
STA. = STATION

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| DATE | BY | REVISION |

LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 7 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 1



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904.384.8377

Prepared For:  
**Isle of Palms Special District**  
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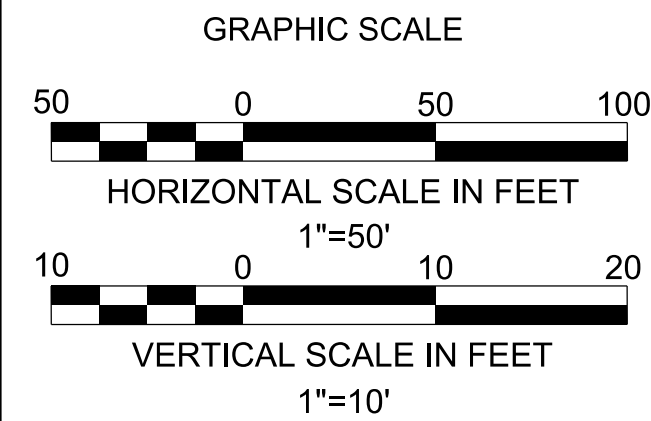
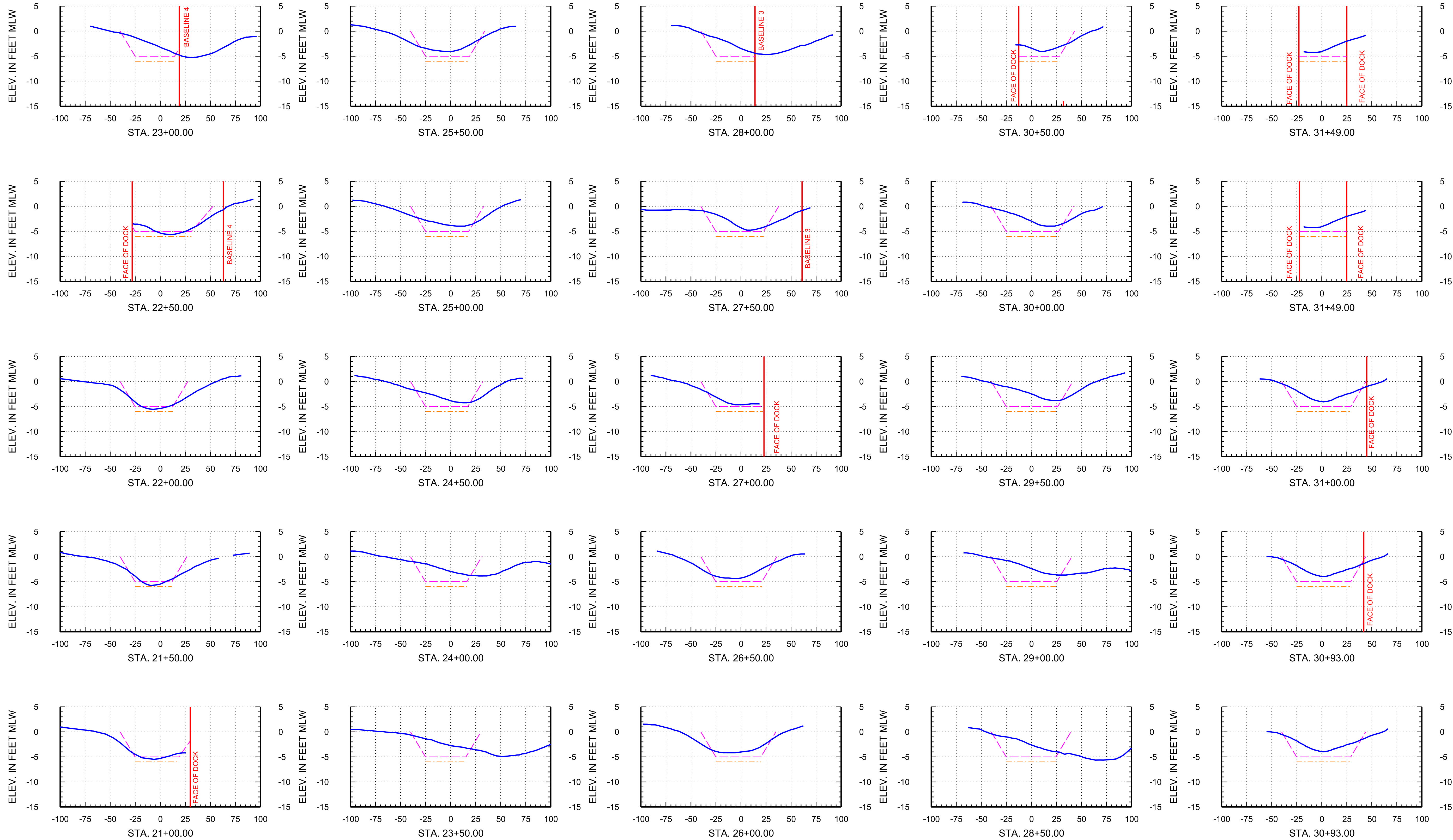
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|      |    |          |
| DATE | BY | REVISION |

LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 8 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 1



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904.384.8377

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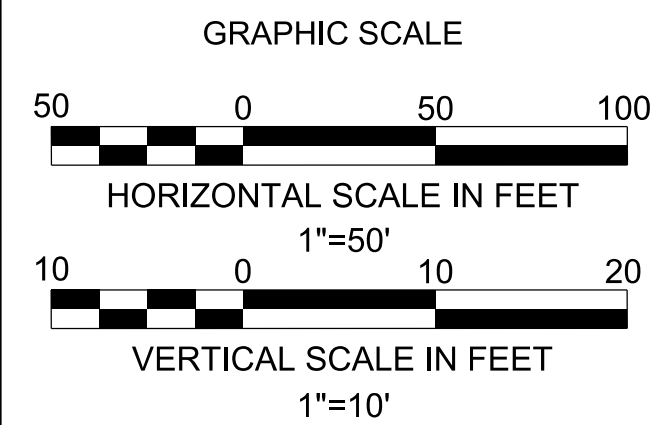
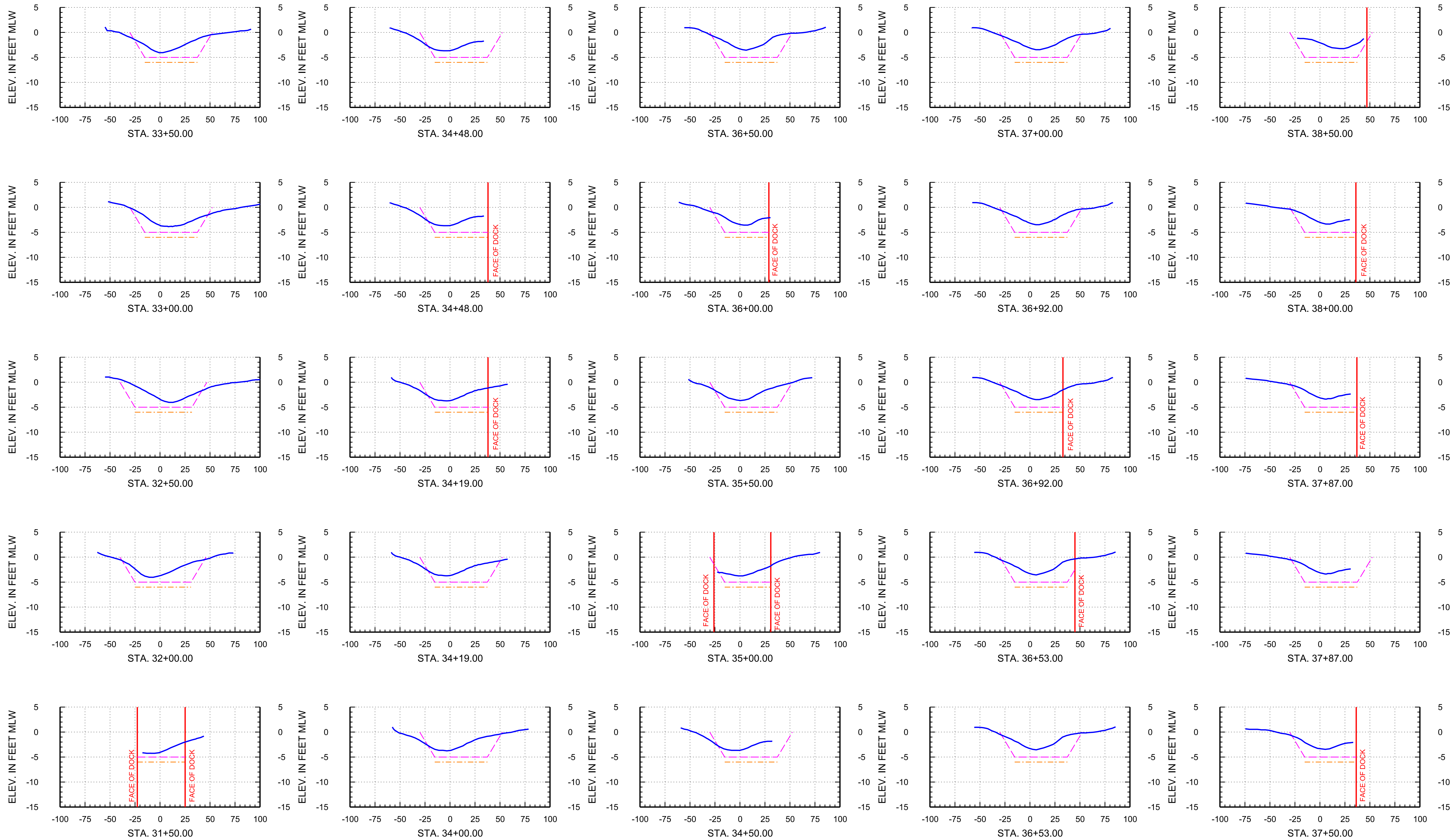
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STA. = STATION

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|      |    |          |
| DATE | BY | REVISION |

LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
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SHEET: 9 OF: 26



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Isle of Palms South  
Hydrographic Survey

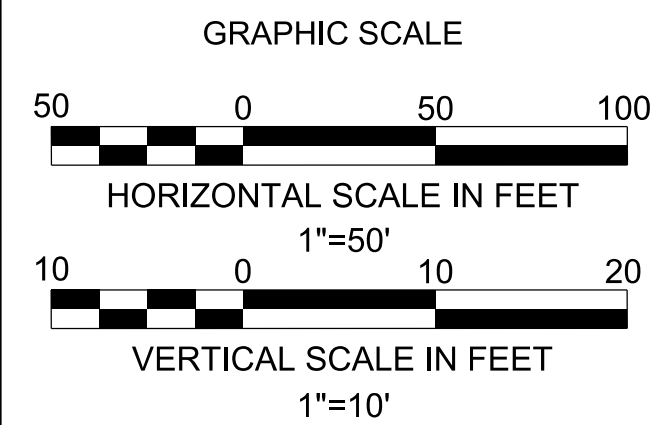
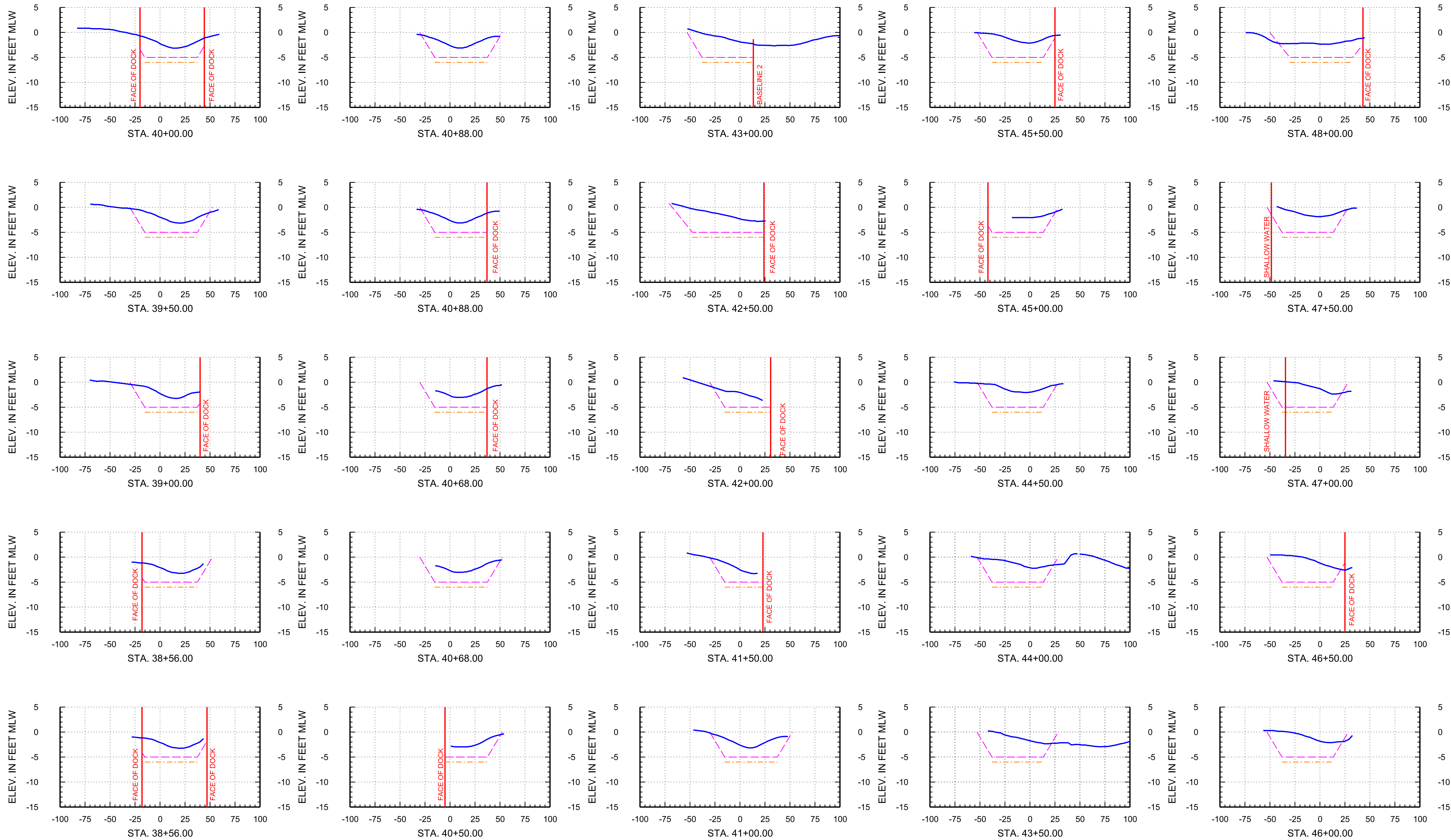
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- - - = TEMPLATE AT -5' MLW  
- - - = TEMPLATE AT -6' MLW  
MLW = MEAN LOW WATER  
STA. = STATION

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LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 10 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 1



Arc Surveying & Mapping, Inc.  
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5202 San Juan Avenue  
Jacksonville, Florida 32210  
904.384.8377

Prepared For:  
**Isle of Palms Special District**  
501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:  
Isle of Palms South  
Hydrographic Survey

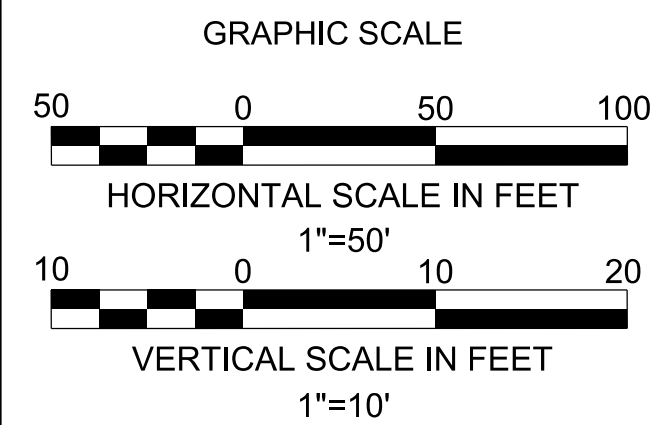
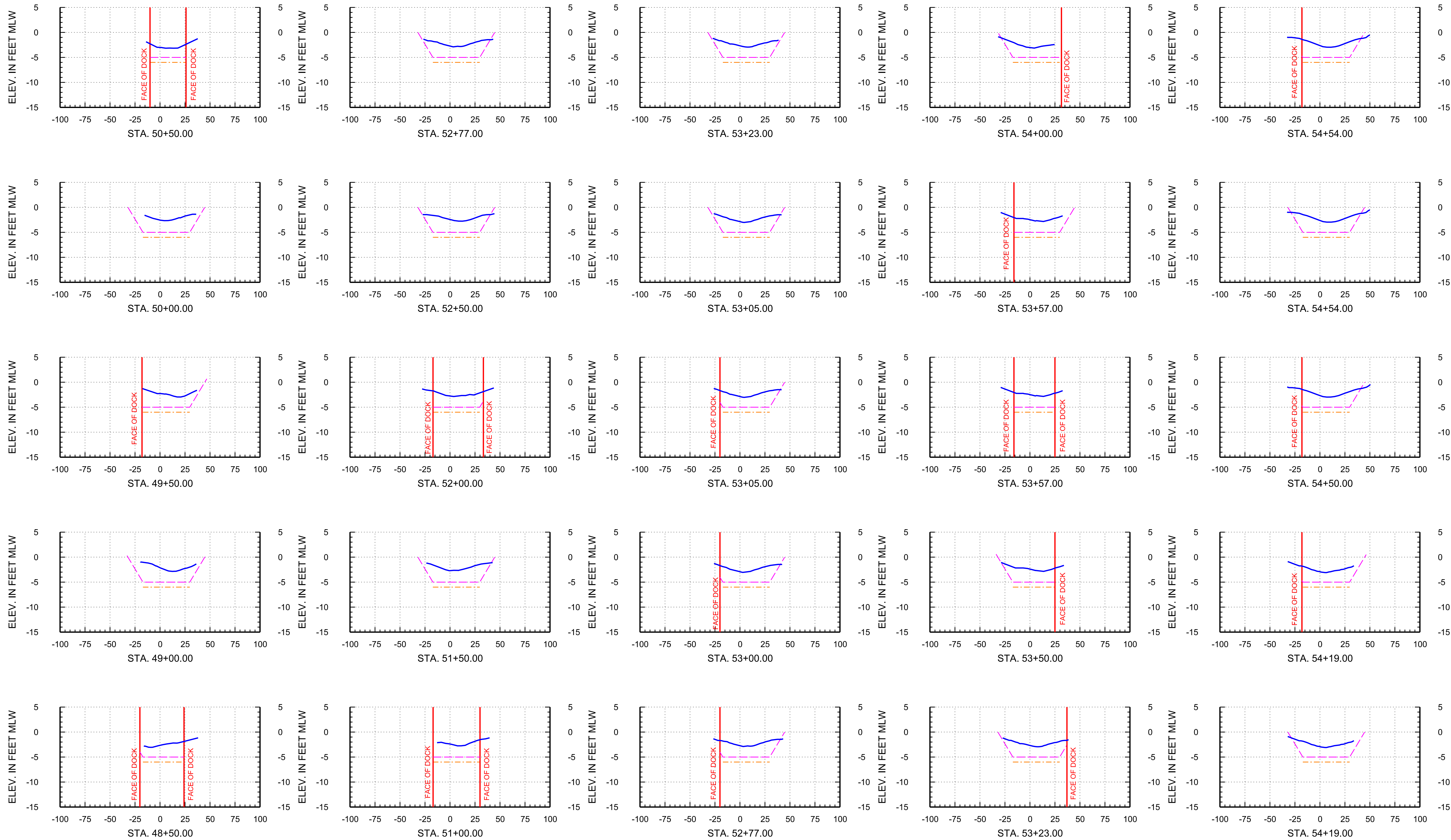
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- - - = TEMPLATE AT -5' MLW  
- - - = TEMPLATE AT -6' MLW  
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LB No. 6487  
Drawn By: D. Trabits  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 11 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 1



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Prepared For:  
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Hydrographic Survey

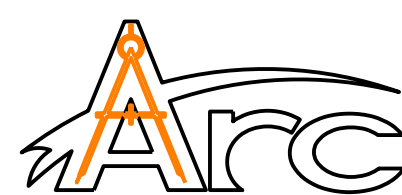
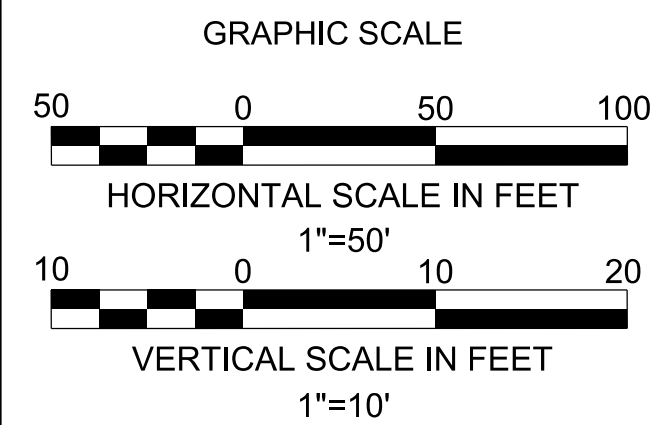
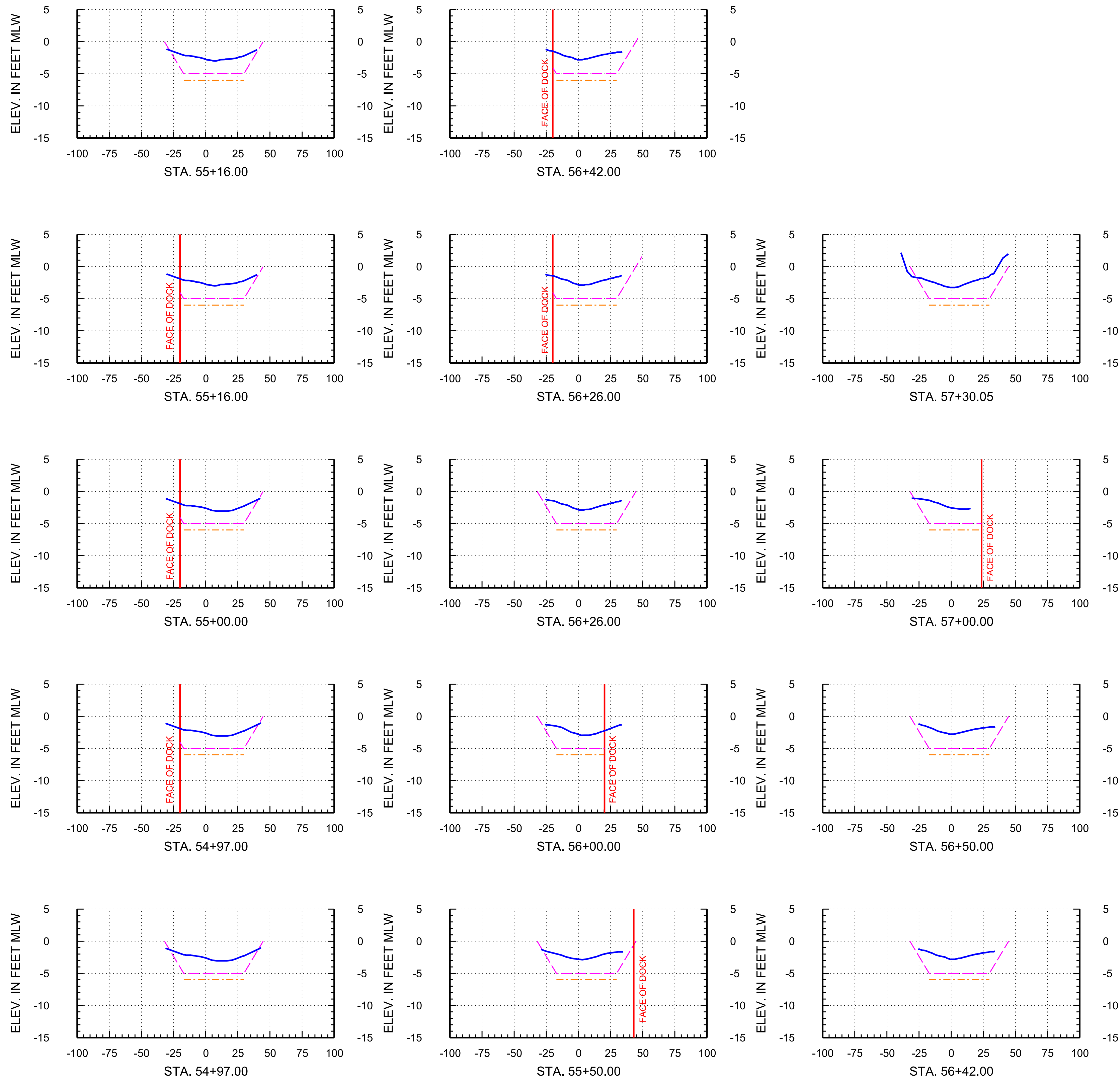
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- - - = TEMPLATE AT -6' MLW  
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LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
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ARC Project No.:  
2020-0077  
SHEET: 12 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 1



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501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:

Isle of Palms South  
Hydrographic Survey

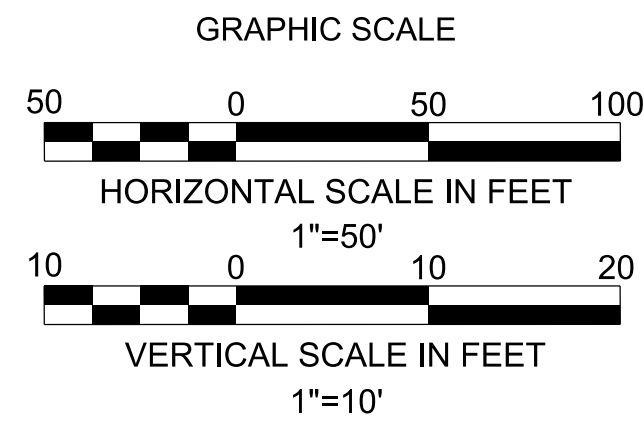
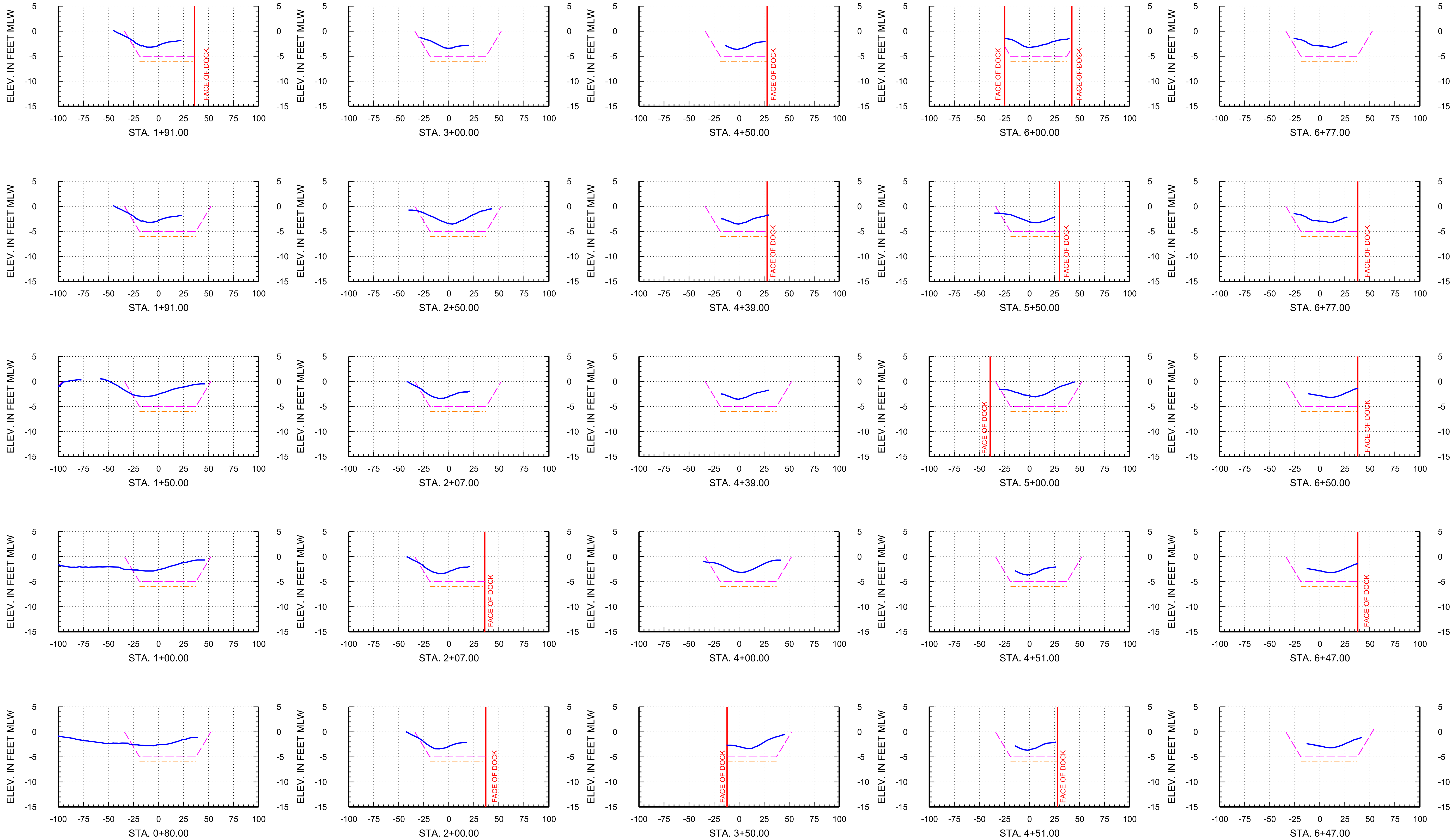
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MLW = MEAN LOW WATER  
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| ARC Project No.: 2020-0077 |
| SHEET: 13 OF: 26           |



ISLE OF PALMS SOUTH, SURVEY BASELINE 2



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Prepared For:  
**Isle of Palms Special District**  
501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:

Isle of Palms South  
Hydrographic Survey

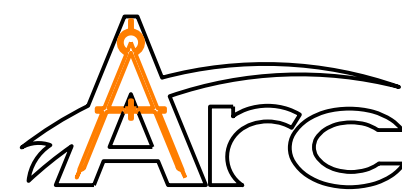
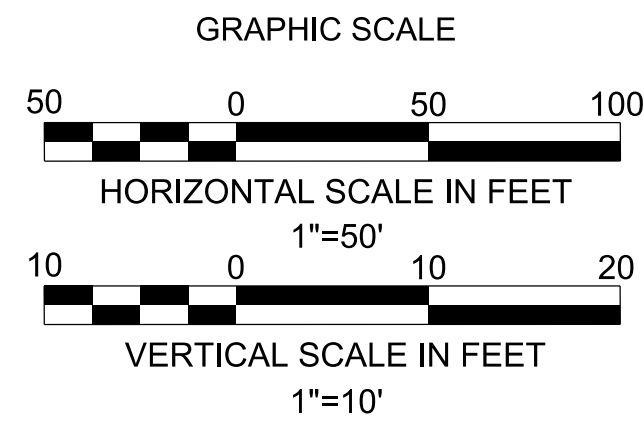
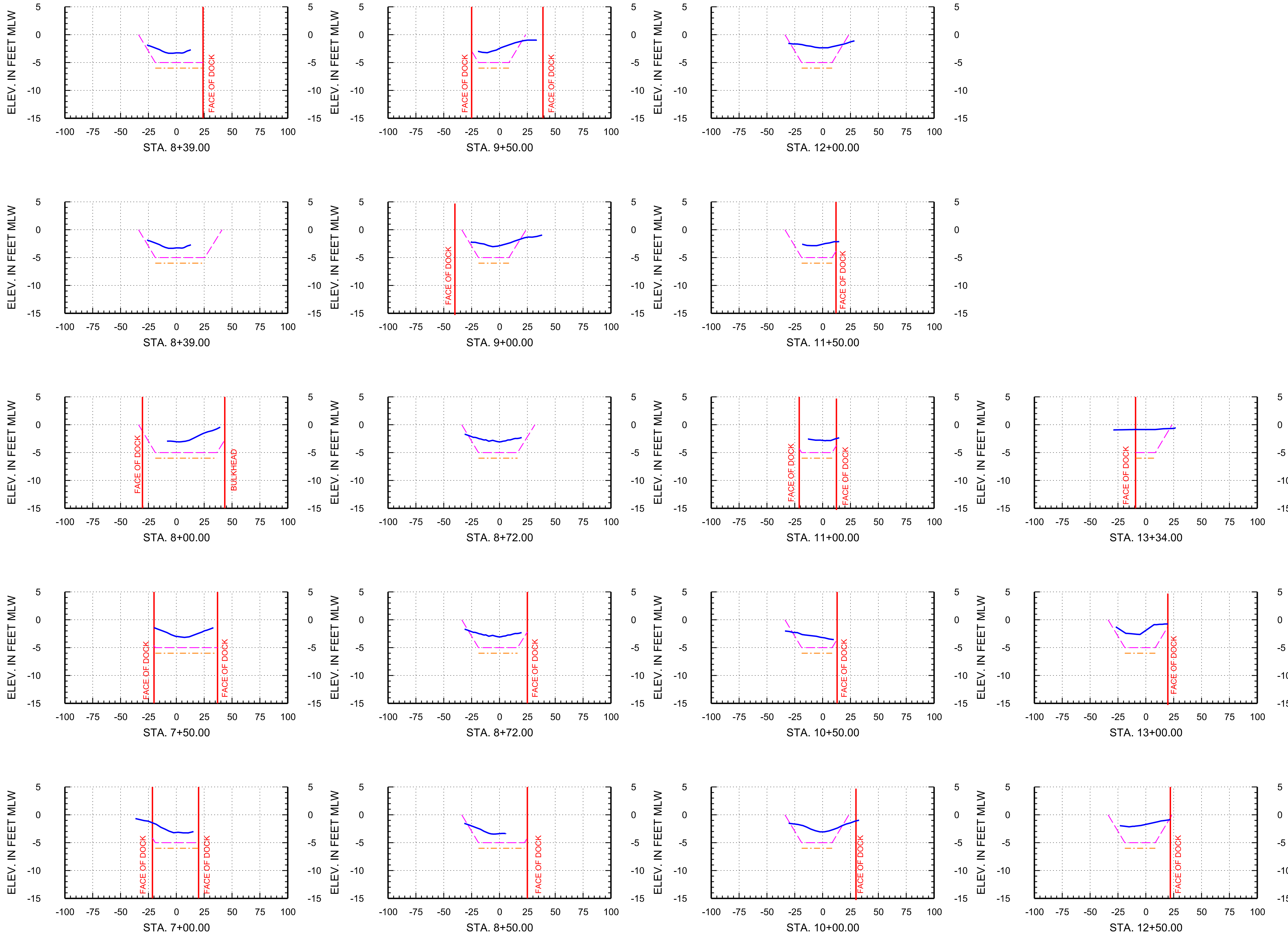
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- - - = TEMPLATE AT -6' MLW  
MLW = MEAN LOW WATER  
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LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
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ARC Project No.:  
2020-0077  
SHEET: 14 OF: 26



ISLE OF PALMS SOUTH, SURVEY BASELINE 2



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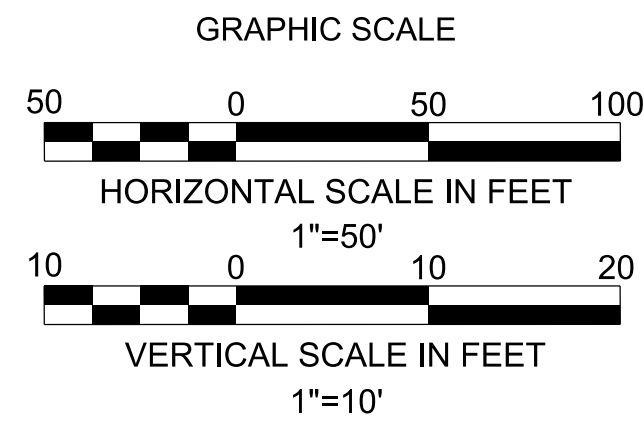
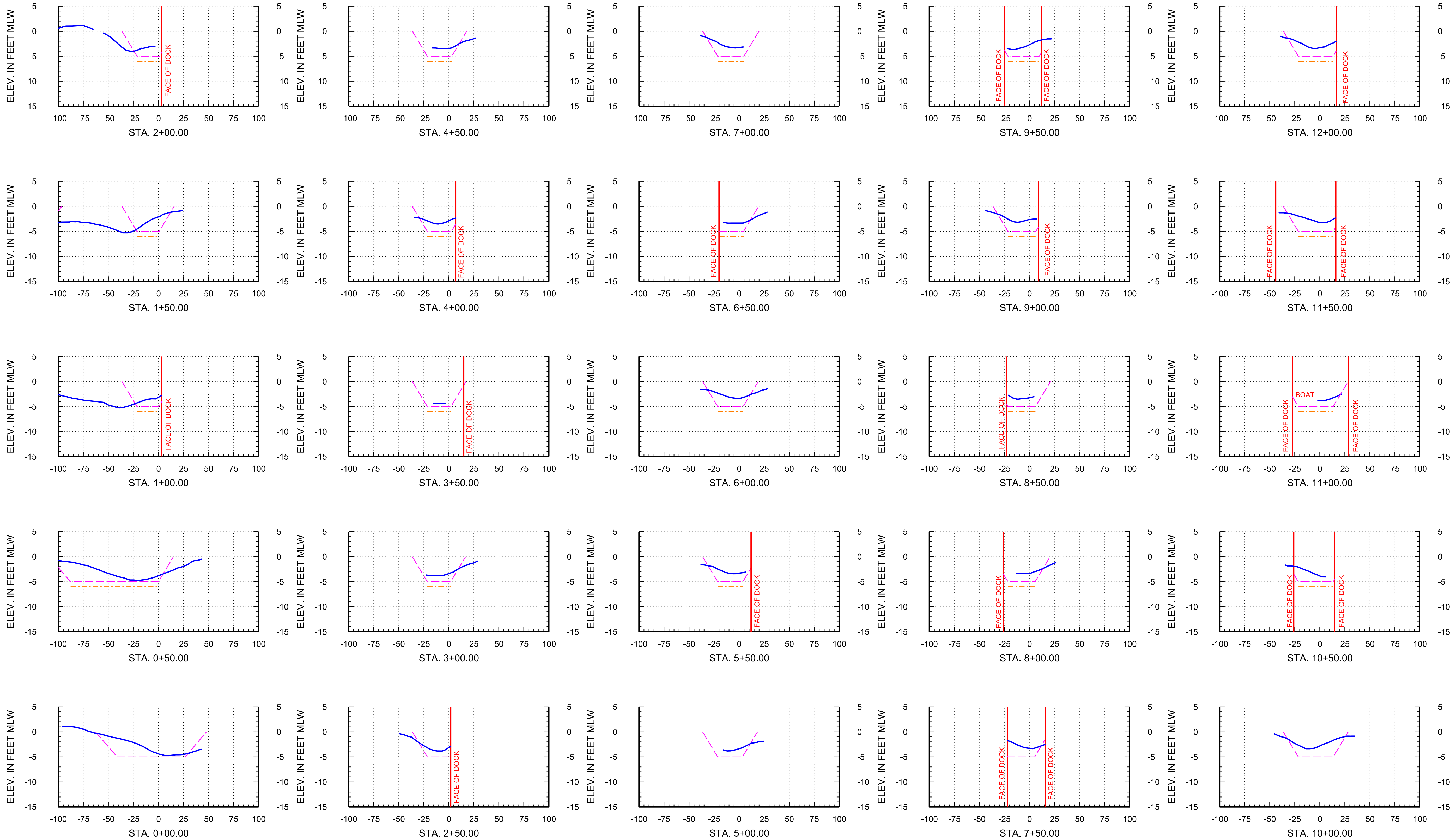
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Plot Date: 07/15/20  
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ARC Project No.:  
2020-0077  
SHEET: 15 OF: 26



ISLE OF PALMS SOUTH, SURVEY BASELINE 3



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Prepared For:  
**Isle of Palms Special District**  
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Project Title:  
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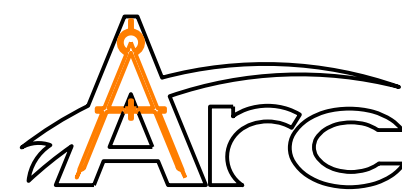
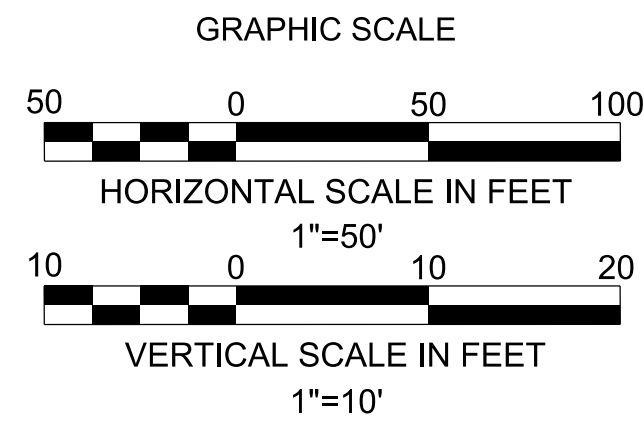
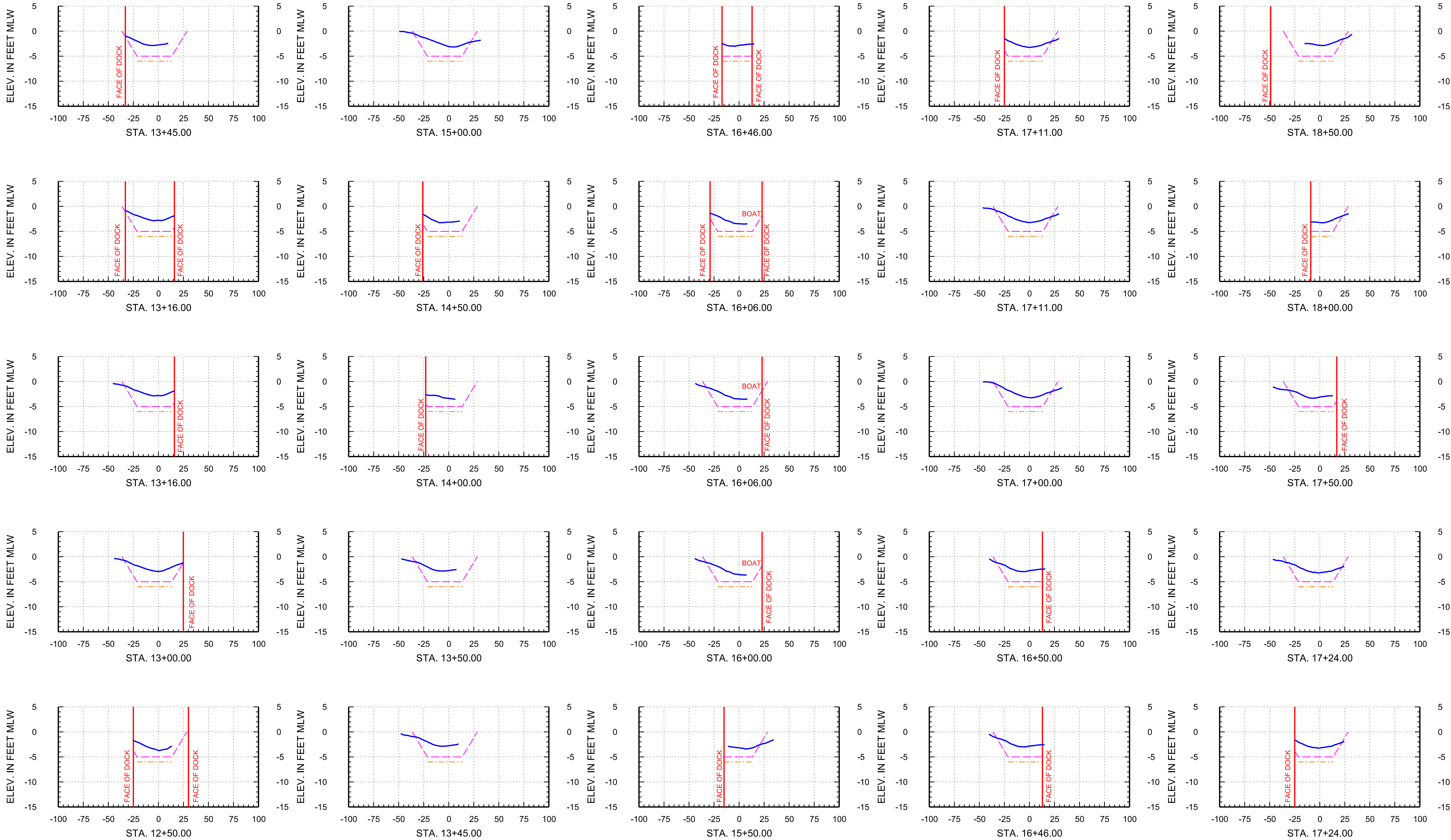
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Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
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ARC Project No.:  
2020-0077  
SHEET: 16 OF: 26



ISLE OF PALMS SOUTH, SURVEY BASELINE 3



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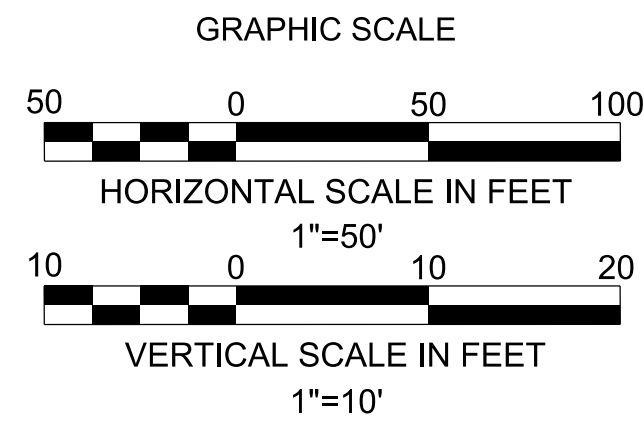
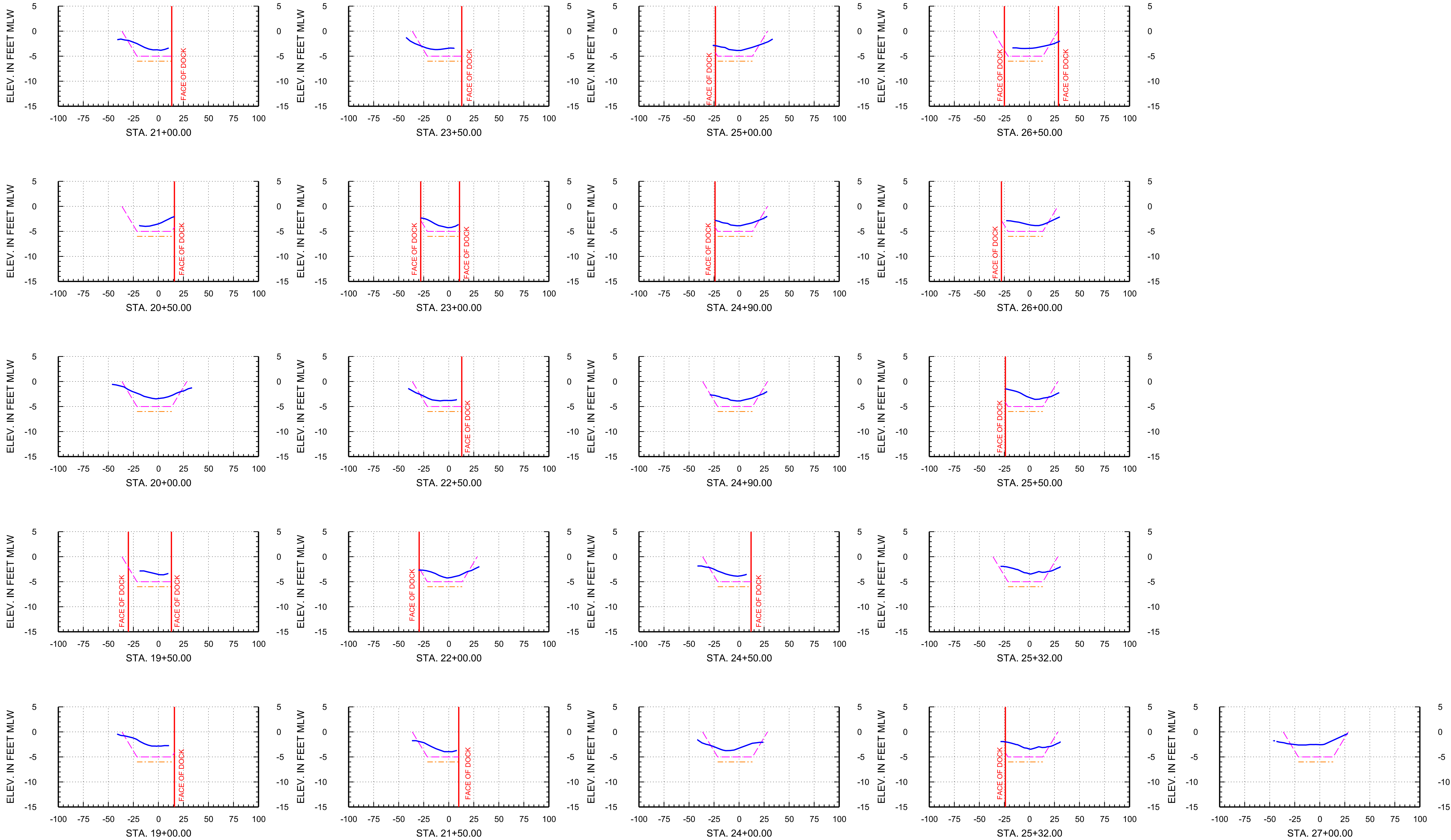
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LB No. 6487  
Drawn By: D. Trabits  
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ARC Project No.:  
2020-0077  
SHEET: 17 OF: 26



ISLE OF PALMS SOUTH, SURVEY BASELINE 3



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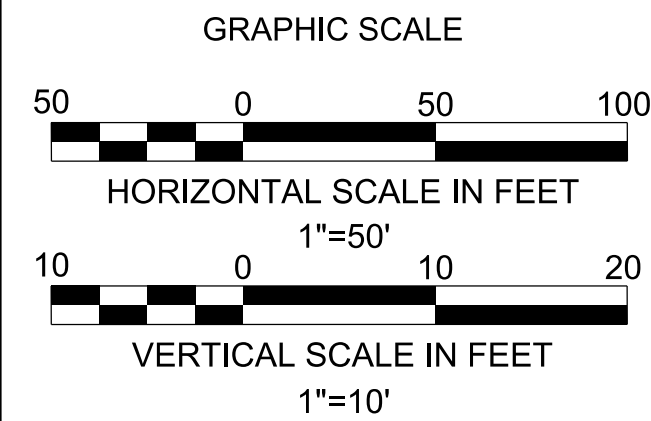
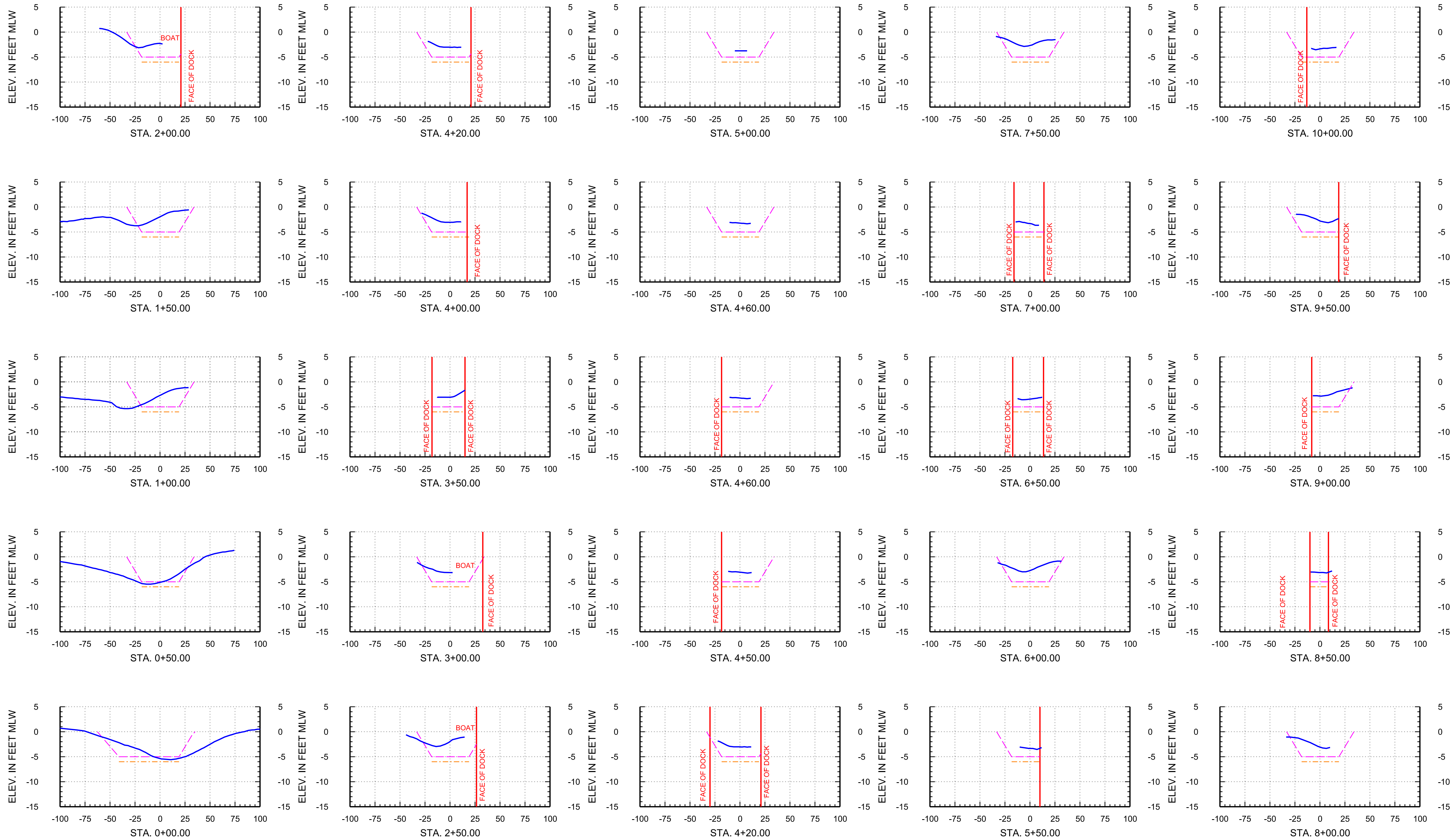
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LB No. 6487  
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Scale: see map  
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ARC Project No.:  
2020-0077  
SHEET: 18 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 4



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Prepared For:  
**Isle of Palms Special District**  
501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:  
Isle of Palms South  
Hydrographic Survey

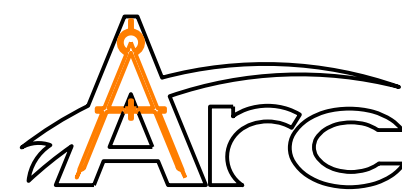
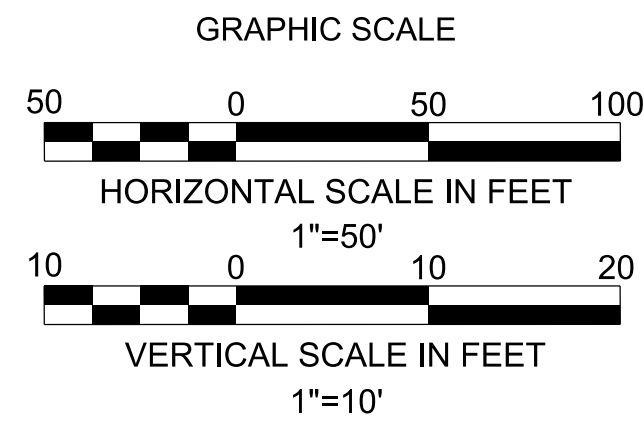
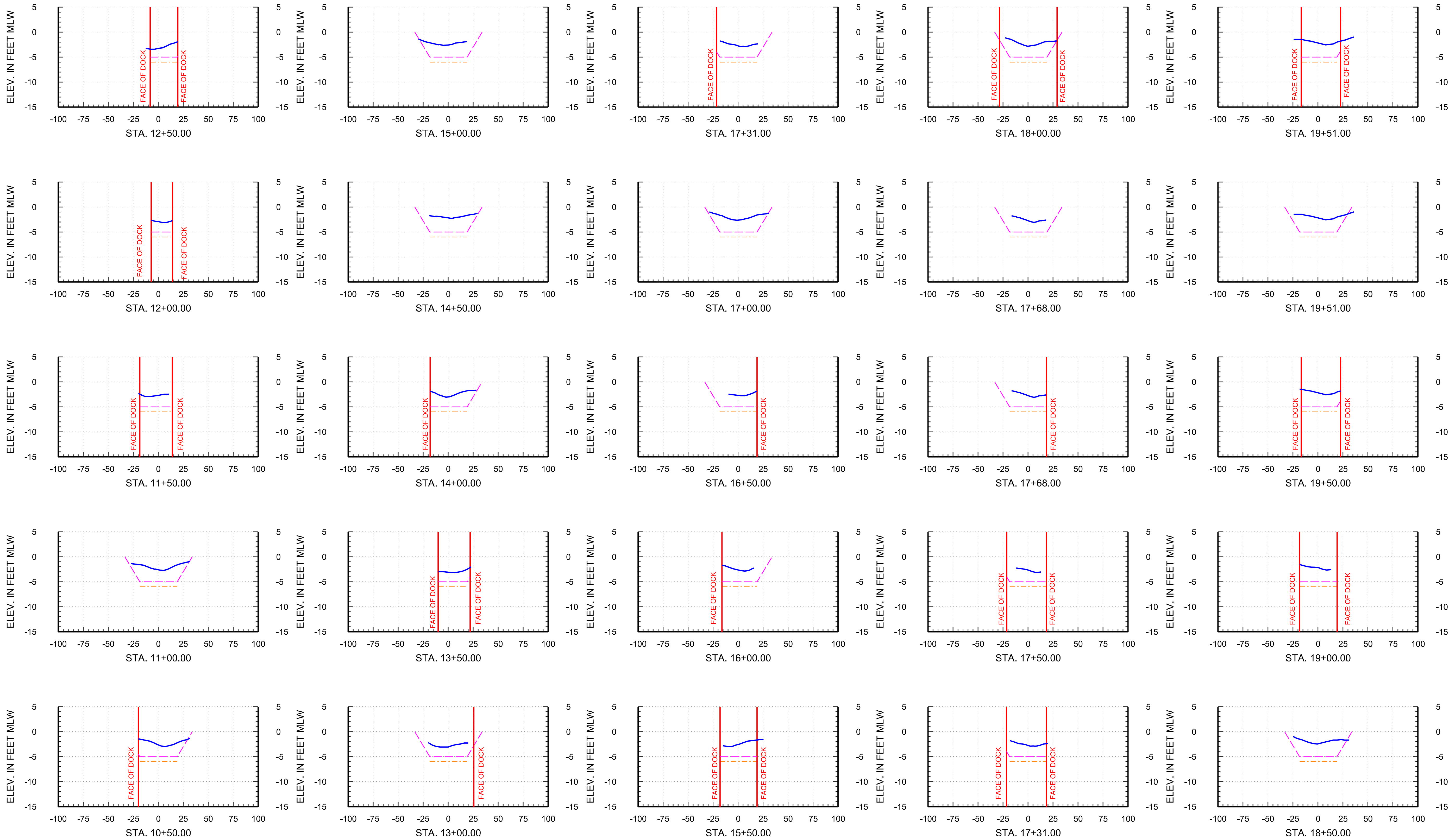
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- - - = TEMPLATE AT -5' MLW  
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Drawn By: D. Trubits  
Scale: see map  
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ARC Project No.:  
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ISLE OF PALMS SOUTH, SURVEY BASELINE 4



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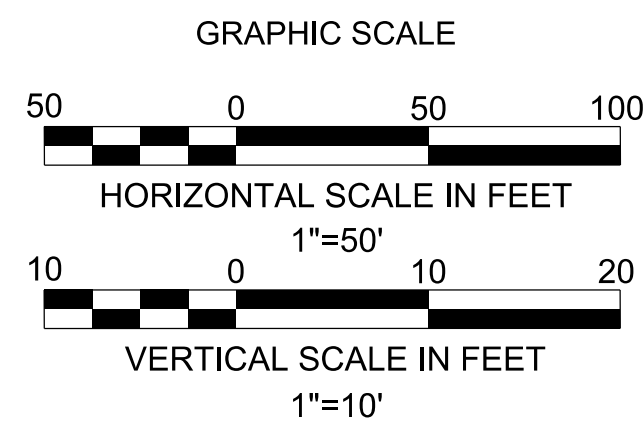
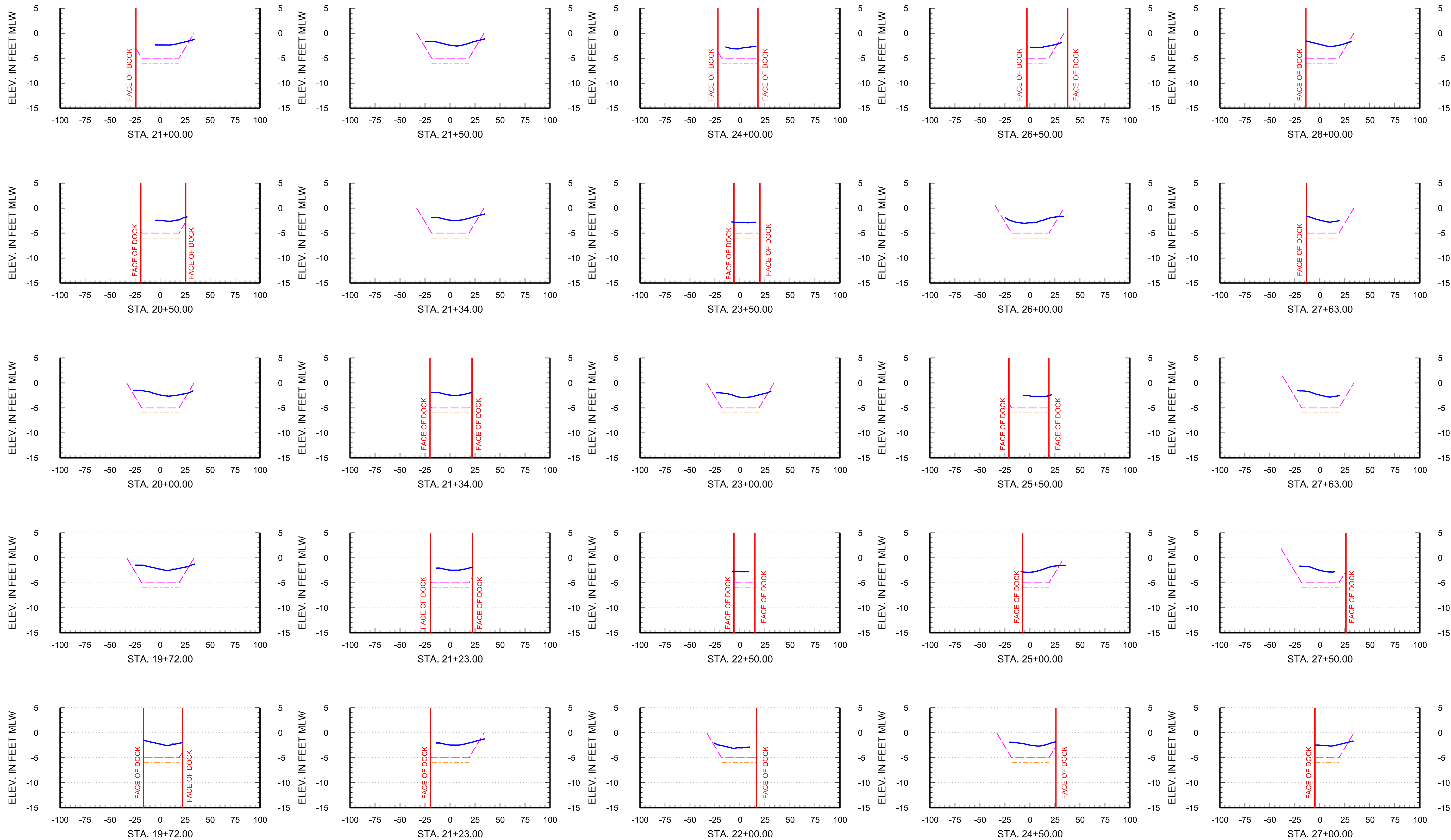
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LB No. 6487  
Drawn By: D. Trubits  
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ARC Project No.:  
2020-0077  
SHEET: 20 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 4



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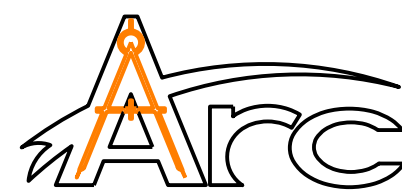
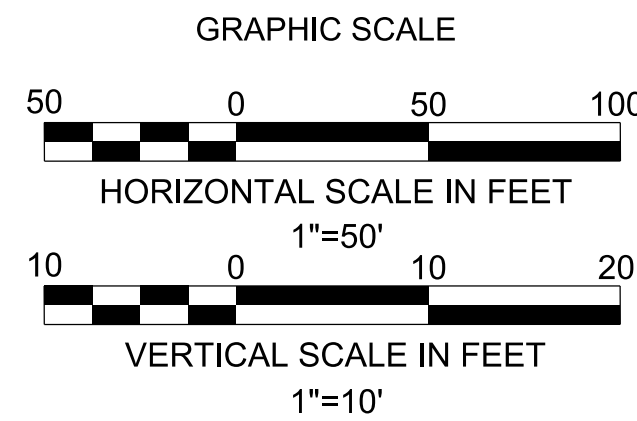
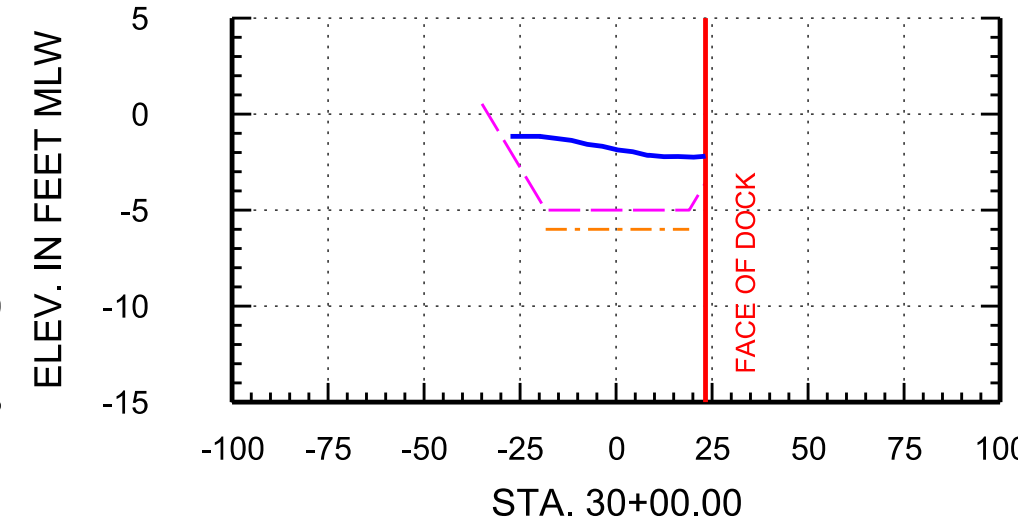
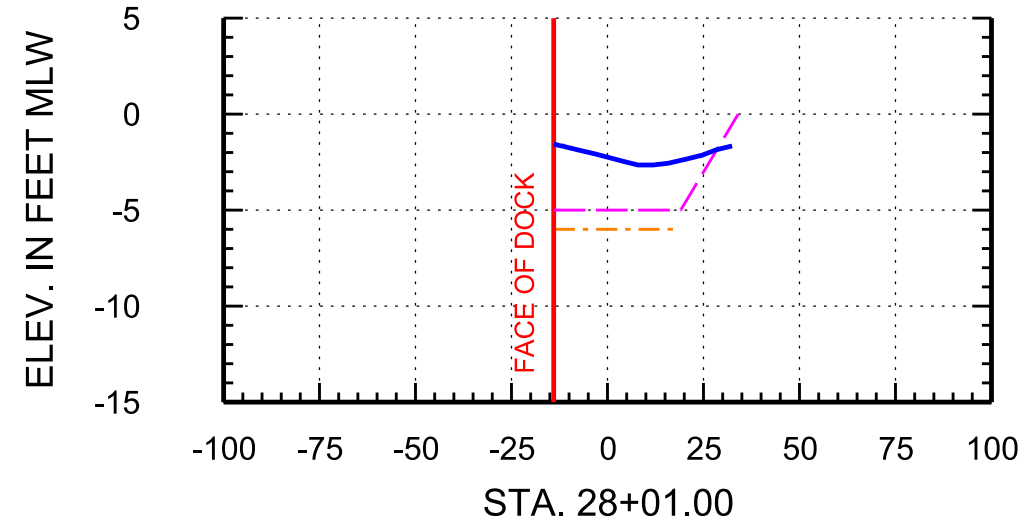
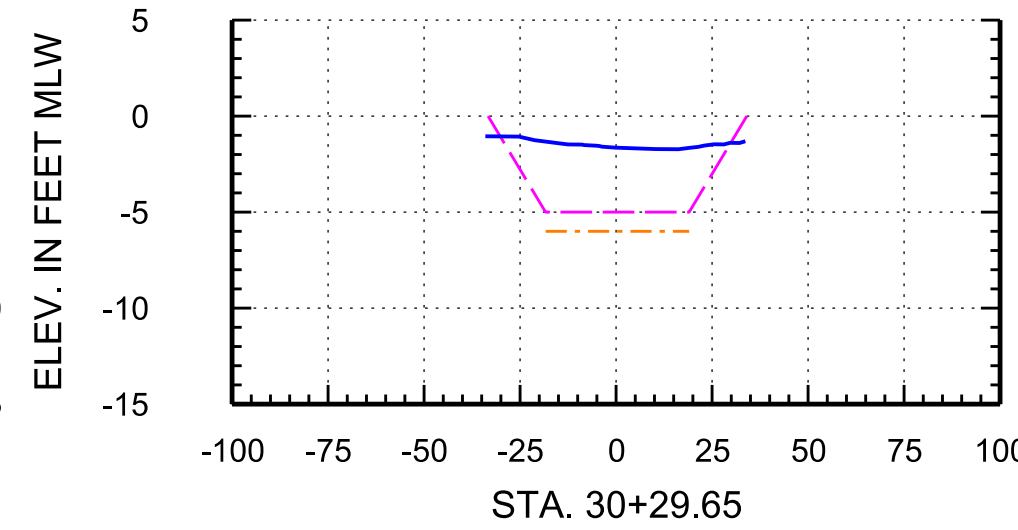
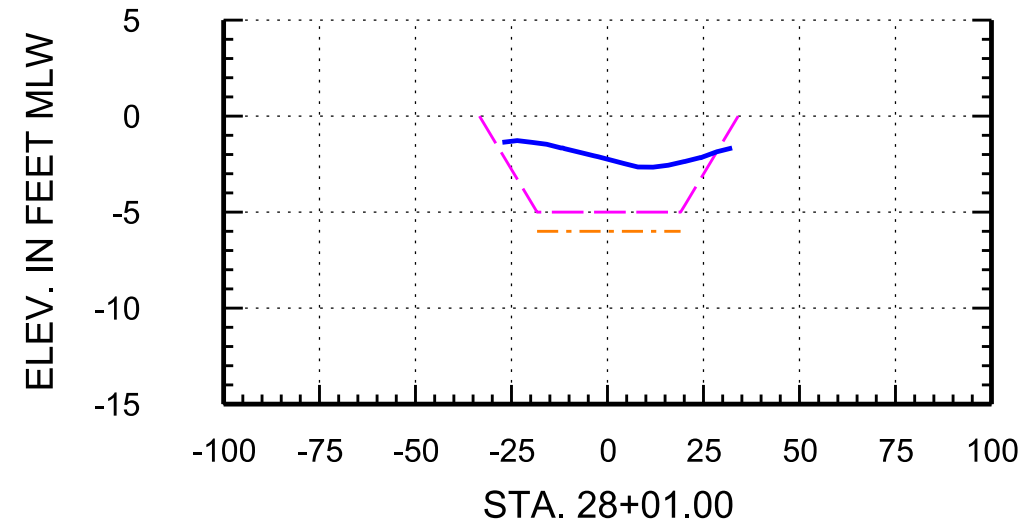
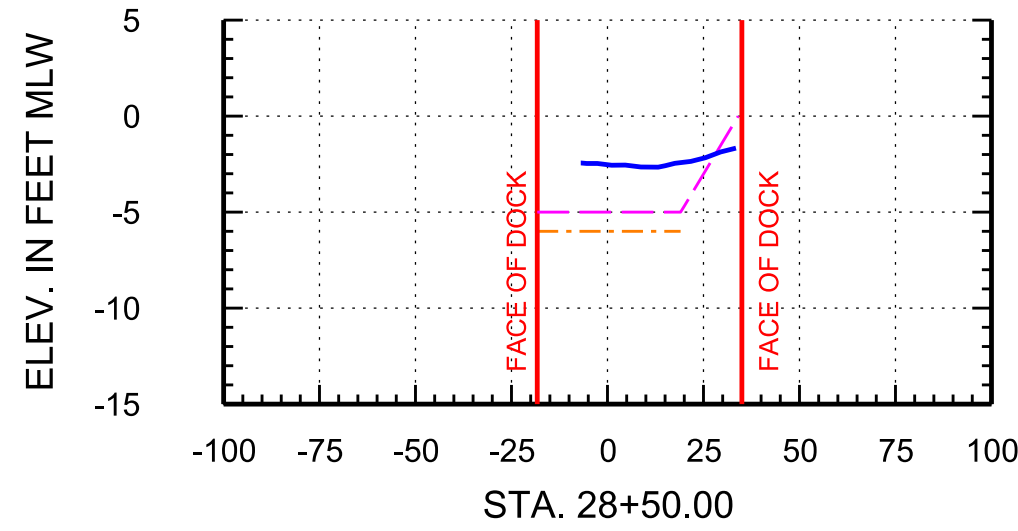
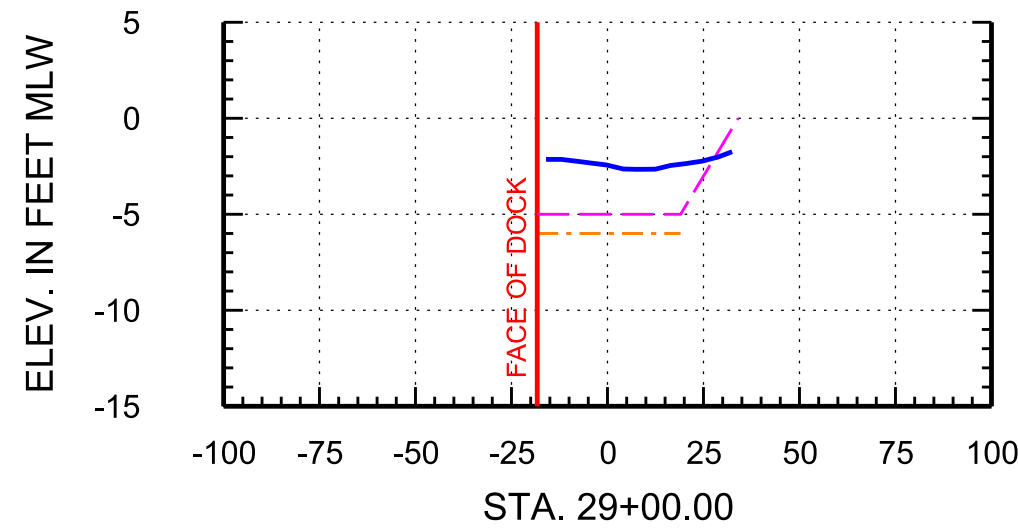
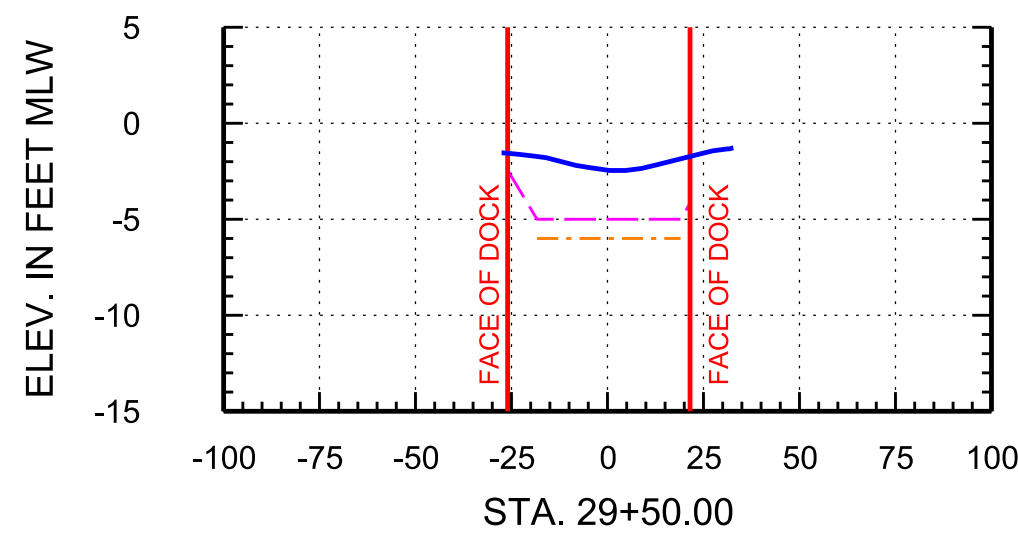
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LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 21 OF: 26



ISLE OF PALMS SOUTH, SURVEY BASELINE 4



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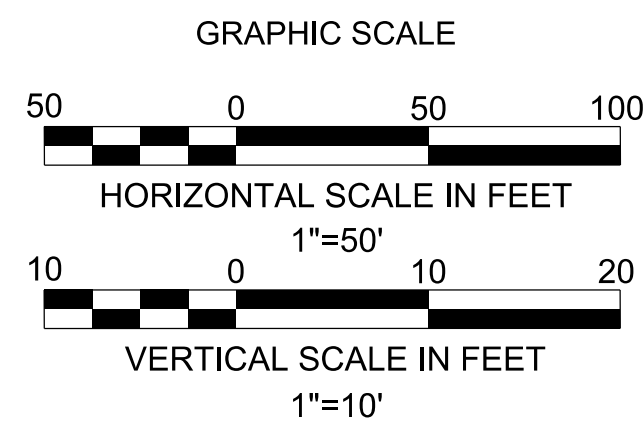
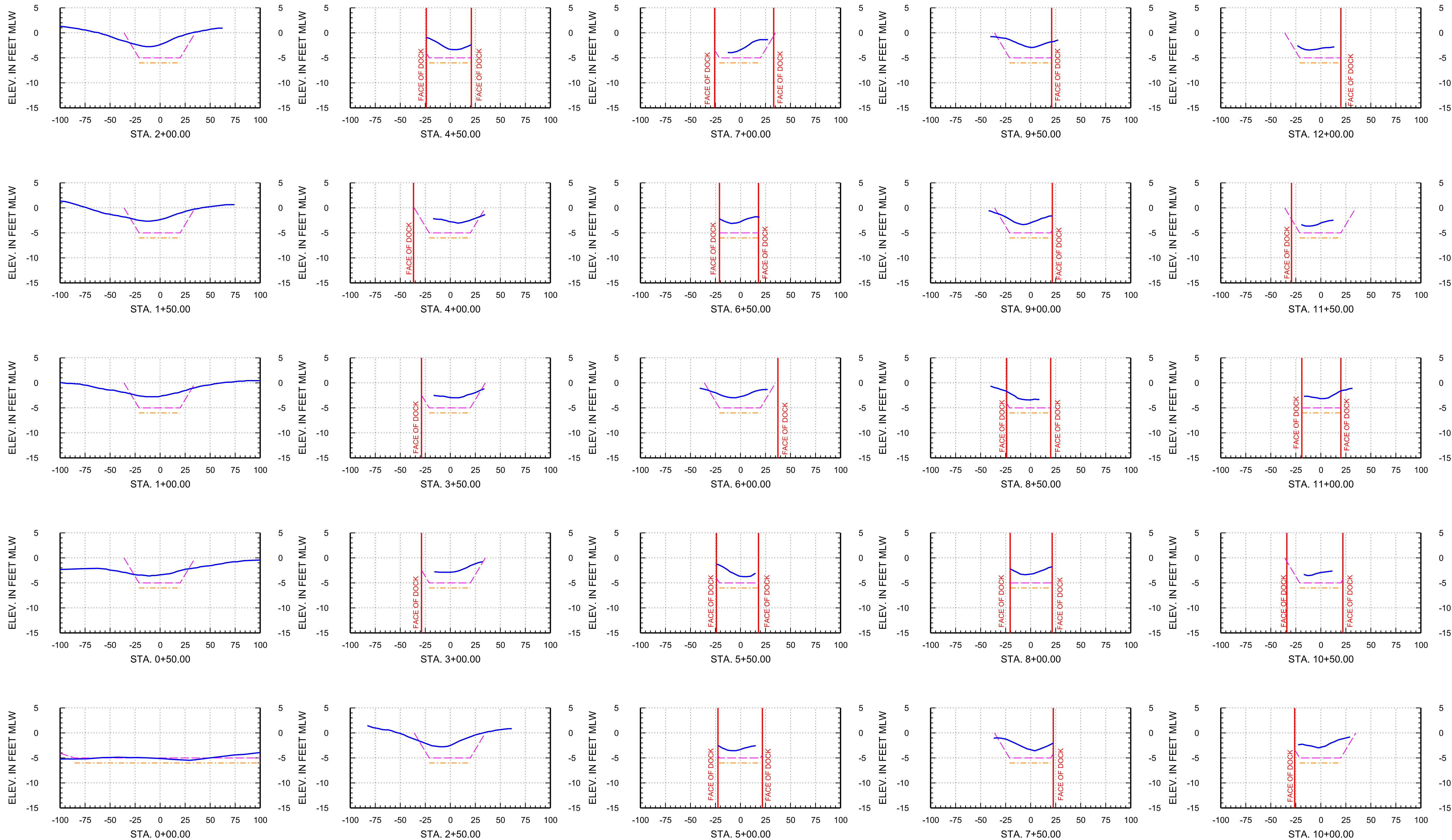
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| LB No. 6487                   |
| Drawn By: D. Trabis           |
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| ARC Project No.:<br>2020-0077 |
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# ISLE OF PALMS SOUTH, SURVEY BASELINE 5



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5202 San Juan Avenue  
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904.384.8377

Prepared For:  
**Isle of Palms Special District**  
501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:

Isle of Palms South  
Hydrographic Survey

— = ARC SURVEY HYDROGRAPHIC SURVEY JULY 6-10, 2020

- - - = TEMPLATE AT -5' MLW

- - - = TEMPLATE AT -6' MLW

MLW = MEAN LOW WATER

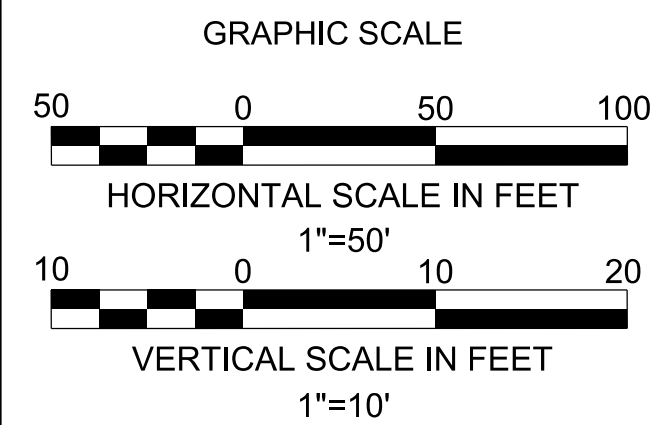
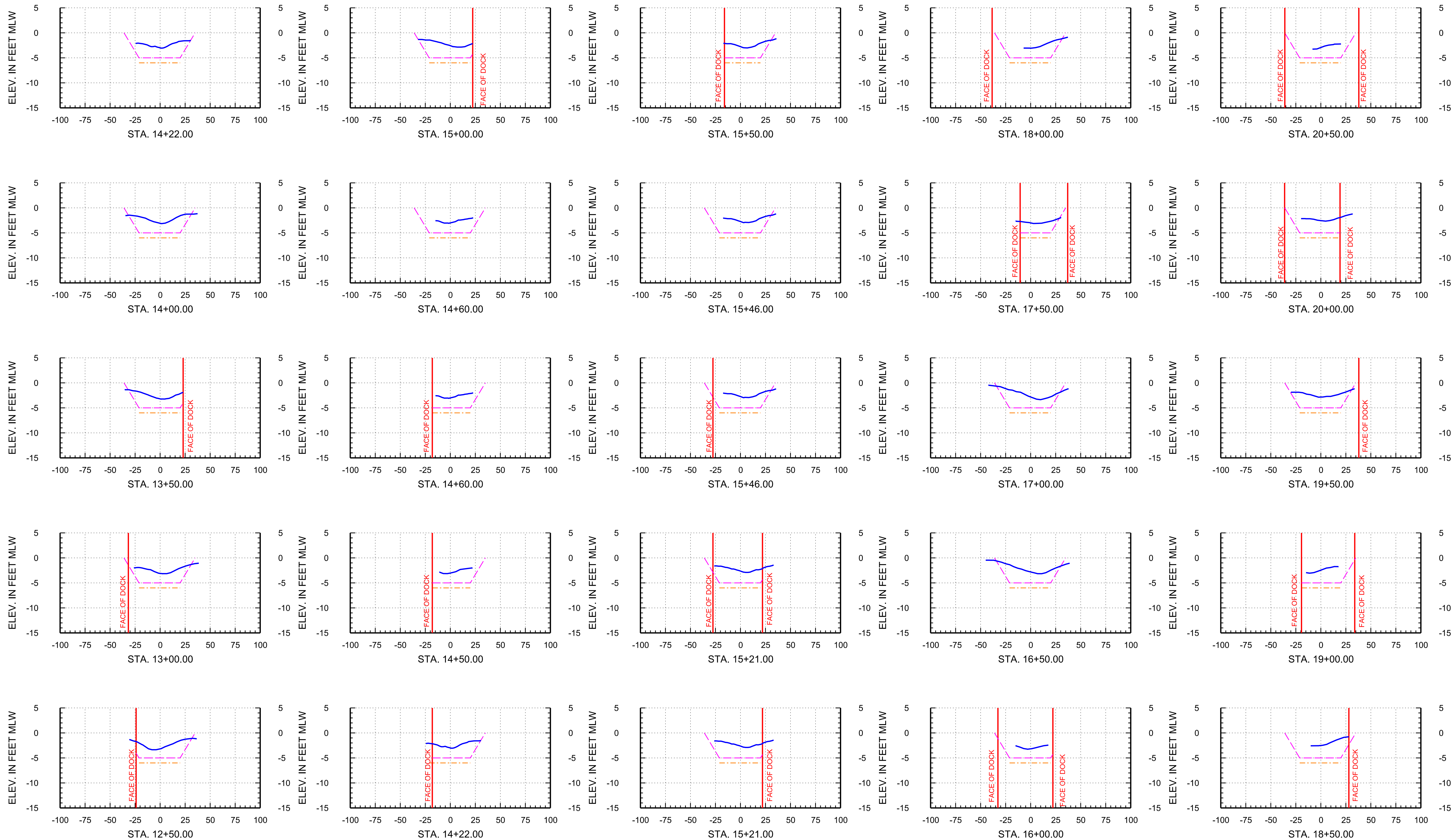
STA. = STATION

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LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 23OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 5



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Prepared For:  
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Project Title:  
**Isle of Palms South  
Hydrographic Survey**

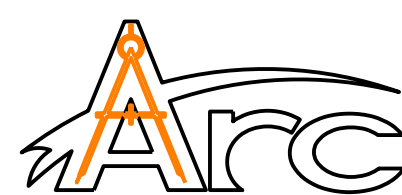
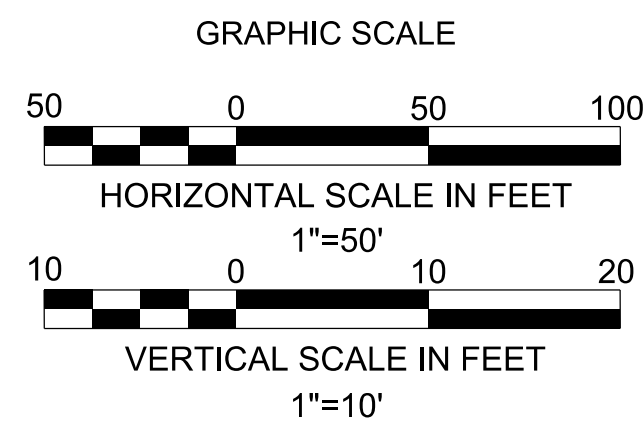
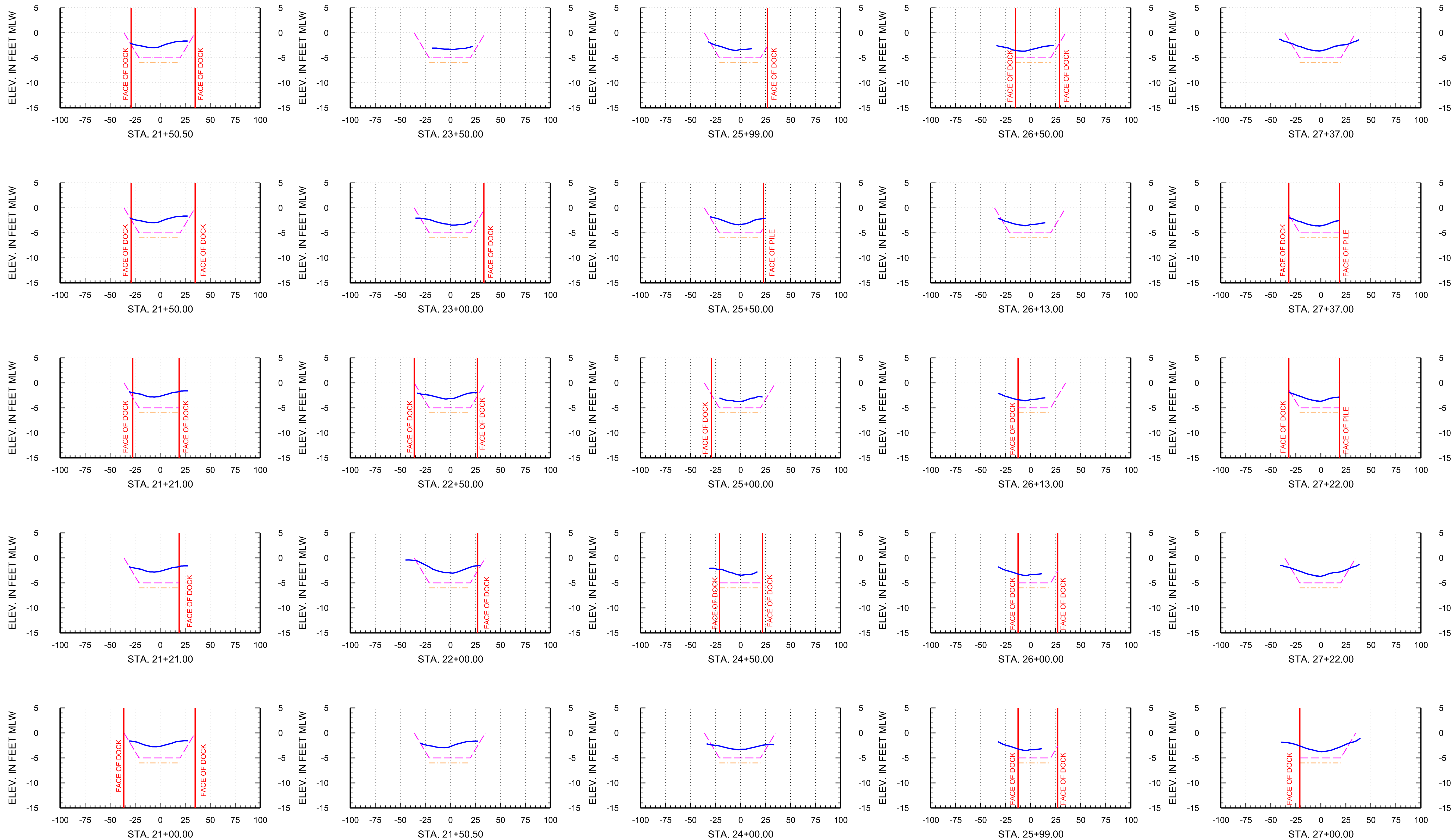
— = ARC SURVEY HYDROGRAPHIC SURVEY JULY 6-10, 2020  
- - - = TEMPLATE AT -5' MLW  
- - - = TEMPLATE AT -6' MLW  
MLW = MEAN LOW WATER  
STA. = STATION

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LB No. 6487  
Drawn By: D. Trabis  
Scale: see map  
Plot Date: 07/15/20  
File Name:  
Fld Bk / Pg: XXXX  
ARC Project No.:  
2020-0077  
SHEET: 24 OF: 26



# ISLE OF PALMS SOUTH, SURVEY BASELINE 5



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

Prepared For:  
**Isle of Palms Special District**  
501 Riverside Avenue  
Jacksonville, FL 32202

Project Title:

Isle of Palms South  
Hydrographic Survey

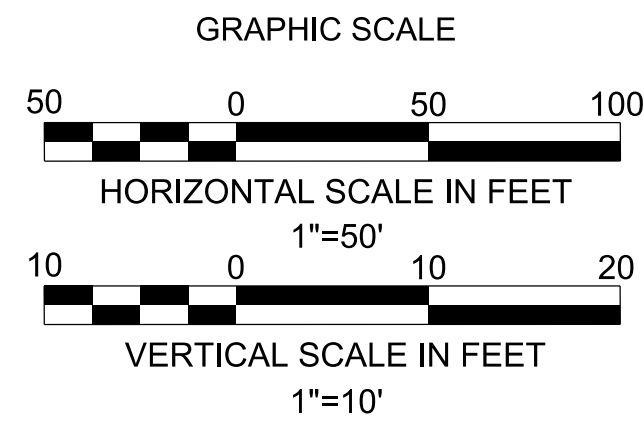
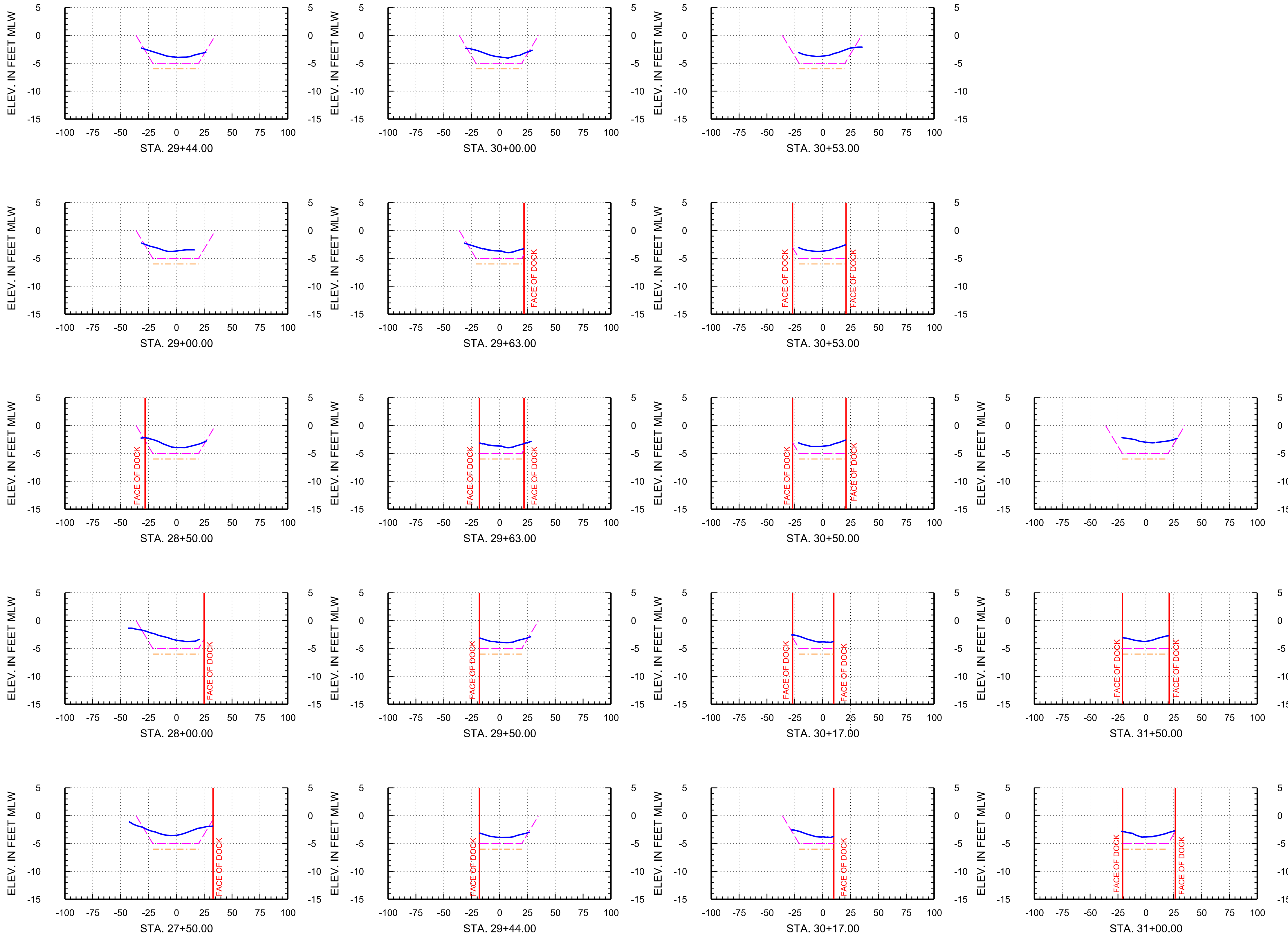
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SHEET: 26 OF: 26