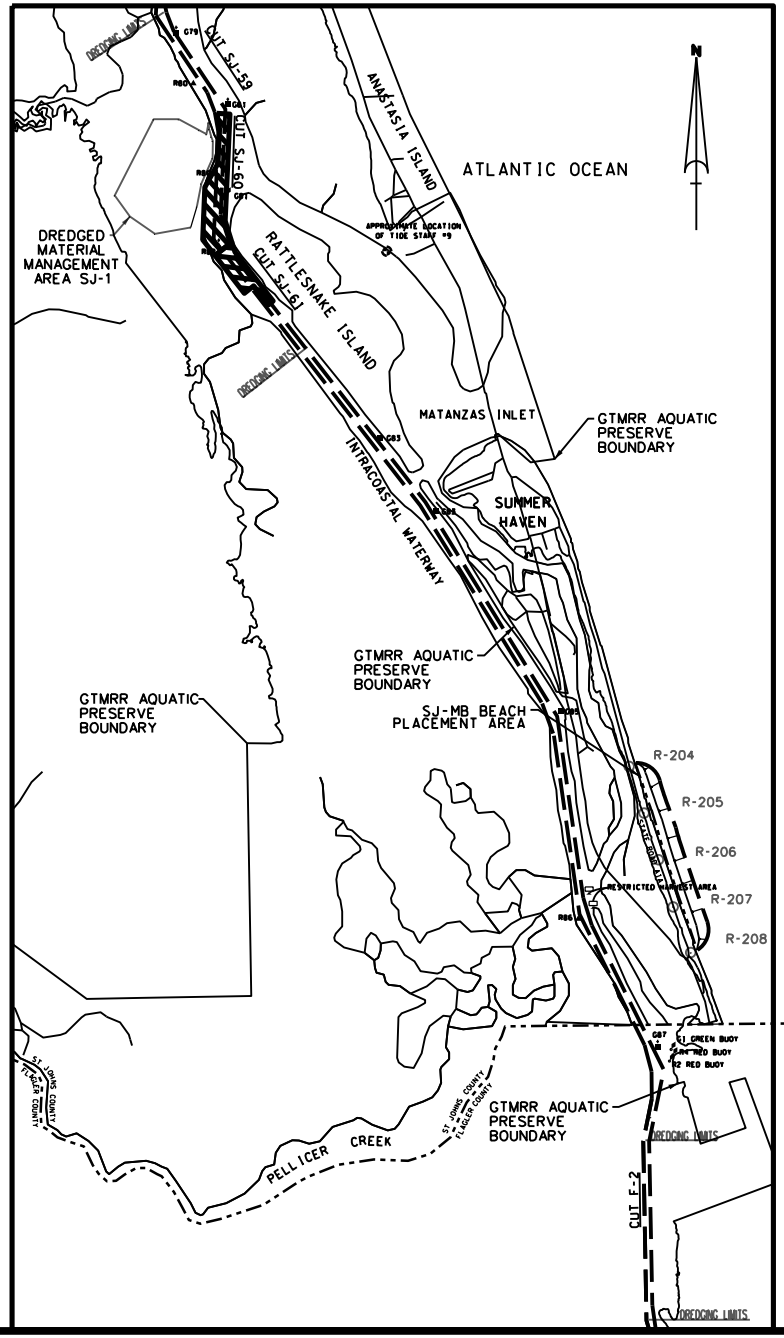
0294455-003-JN

US Army Corps of Engineers
Jacksonville District

JACKSONVILLE, FLORIDA
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY

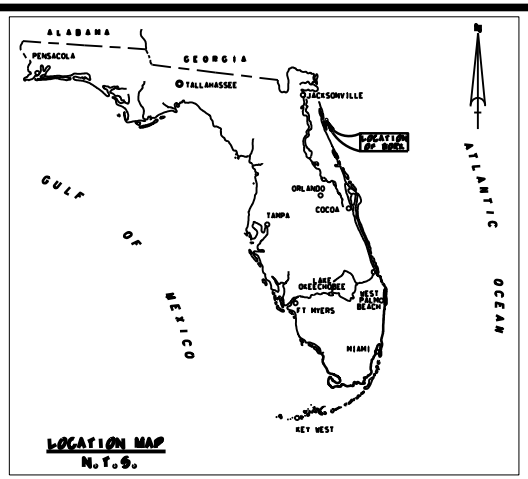
INTRACOASTAL WATERWAY JACKSONVILLE TO MIAMI, FL
VICINITY OF MATANZAS INLET WITH BEACH PLACEMENT
LOCATION MAP

PREPARED BY: MLC
DATE: FEBRUARY 2017
AS SHOWN Scale:
PLATE NO. 1/16




| NAVD 1988 |
|---|
| 2.65 feet |
| M.L.L.W. |

Relationship between NAVD 1988 and NOAA'S Mean Lower Low Water (1983-2001 Tidal Epoch)




LOCATION MAP
N.T.S.

SURVEY NOTES:

1. REFER TO SURVEY NO.09-119.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS POSITIONING WITH A NAVD88/MLLW SEPARATION = -2.65'.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   "REFERENCE BASE LOCATED AT "WSJ-224 1977"

   LAT: 29°41'57.39845" N
   LON: 081°13'52.01493" W
   ELLIPSOID HEIGHT: -26.866'
   NAVD88 ELEVATION: 6.26'

   "TIDE STAFF ESTABLISHED FROM "WSJ-224 1977"

   LAT: 29°41'57.39845" N
   LON: 081°13'52.01493" W
   ELLIPSOID HEIGHT: -26.866'
   NAVD88 ELEVATION: 6.26'

   VERTICAL MEASUREMENTS WERE MADE USING AN ROSS SMARTSOUNDER DUAL FREQUENCY 28/200KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200KHZ).

| VESSEL | DATE OF SURVEY | CUT |
|---|---|---|
| WB-32 | 5-7 AUG 2009 | SJ 59-61 |
| WB-32 | 07 AUG 2009 | F-1, F-2 |

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYS, 1 JAN 02.

GENERAL NOTES:

1. SALTMARSH BOUNDARY PROVIDED BY FWC FISH AND WILDLIFE RESEARCH INSTITUTE DATA COLLECTED BETWEEN 1994 AND 2006.
2. BEACH PROFILE DATA AND R-MONUMENT COORDINATES OF ST. JOHNS AND FLAGLER COUNTIES PROVIDED BY FDEP REGIONAL COASTAL MONITORING DATA.
3. MHW COMPUTED FROM ST. AUGUSTINE BEACH TIDE GUAGE. STATION ID: 8720587. 1983-2001 EPOCH. ELEVATIONS COMPUTED FROM THE BENCH MARK AT THE STATION PID: AQ0346.
4. OYSTER BOUNDARY PROVIDED BY GTMRR. THIS DATA IS A DRAFT AND NOT FINALIZED. THE DEPICTIONS OF THE OYSTER BOUNDARIES ARE FOR INFORMATIONAL PURPOSES ONLY.

| LEGEND | |
|---|---|
| BM | BENCHMARK |
| | LIGHTED BEACON |
| | GREEN DAYBEACON |
| | RED DAYBEACON |
| | RED LIGHTED BUOY |
| | GREEN LIGHTED BUOY |
| C | CAN BUOY |
| N | NUN BUOY |
| | TIDE STAFF |

LEGEND

OYSTER BOUNDARY SHEETS 2-9

SALTMARSH BOUNDARY SHEETS 2-9

DEP CONTROL MONUMENT

4000' 0 4000'

0294455-003-JN

US Army Corps of Engineers
Jacksonville District

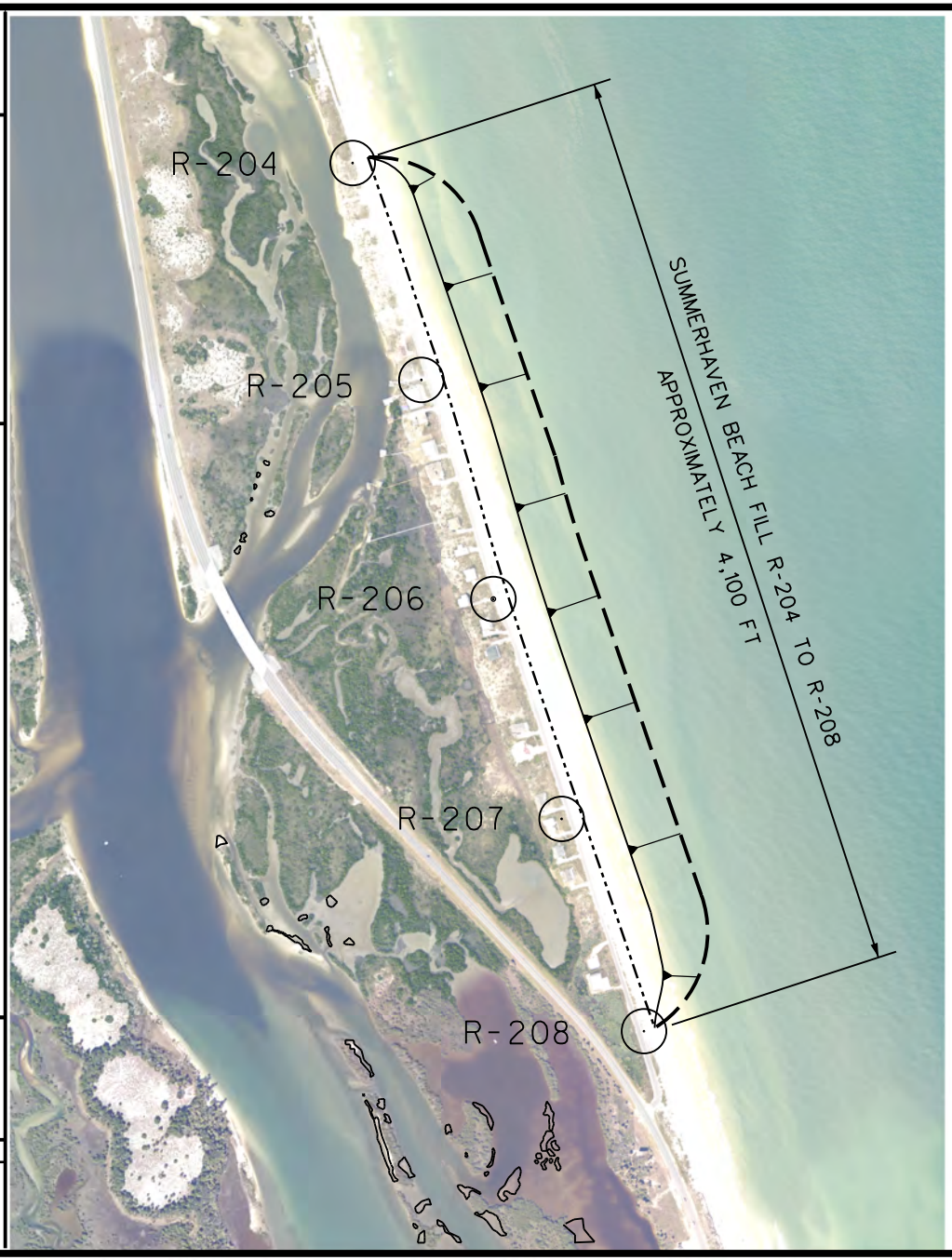
JACKSONVILLE, FLORIDA
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY

INTRACOASTAL WATERWAY JACKSONVILLE TO MIAMI, FL
VICINITY OF MATANZAS INLET WITH BEACH PLACEMENT
BEACH PLACEMENT AREA

PREPARED BY: MLC
DATE: FEBRUARY 2017

AS SHOWN Scale:

PLATE NO.
12/16




LEGEND

DEP CONTROL MONUMENT

BEACH FILL

OYSTER BOUNDARY

NOTES:

1. THE BEACH SURVEY WAS COMPLETED BY FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IN 2003

2. STATE PLANE COORDINATES SHOWN HEREON ARE IN FEET AND RELATIVE TO NAD 83

3. ELEVATIONS SHOWN HEREON ARE BASED ON NGVD 29

4. AERIAL DATE: 2014

GRAPHIC SCALE

800' 0 800'

N

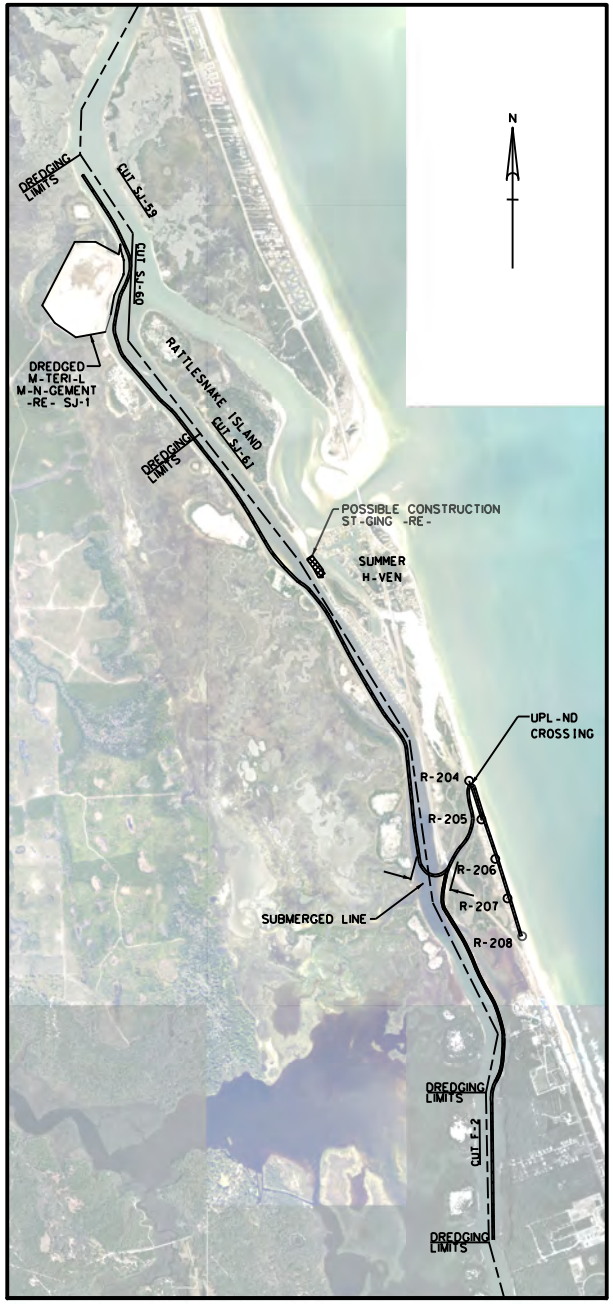
| DEP CONTROL MONUMENTS (NAD 83) | | |
|---|---|---|
| MONUMENT | X | Y |
| R-204 | 586,557.6 | 1,945,584.2 |
| R-205 | 586,865.3 | 1,944,612.7 |
| R-206 | 587,188.0 | 1,943,631.0 |
| R-207 | 587,493.8 | 1,942,645.2 |
| R-208 | 587,862.8 | 1,941,694.2 |

0294455-003-JN

US Army Corps of Engineers
Jacksonville District

JACKSONVILLE, FLORIDA
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY

INTRACOAST-L WATERWAY JACKSONVILLE TO MIAMI, FL
VICINITY OF MATANZAS INLET WITH BE-CH PLACEMENT
PROPOSED PIPELINE ROUTE




NOTES:

1. 50 FOOT -CCESS (EX-CT LOC-TION) TO BE SHOWN TO THE CONTR-CTOR, IN THE FIELD, BY THE CONTR-CTING OFFICER'S REPRESENT-TIVE
2. CONTR-CTOR WILL MINIMIZE -NY TEMPOR-RY IMP-CT TO S-LT M-RSH OR OTHER N-TUR-L COMMUNITIES. PIPELINE -CCESS ROUTES -ND ST-GING -RE-S WILL -VOID VEGET-TION OR N-TUR-L GR-DES.
3. SPONSOR WILL OBT-IN PROOF OF L-ND OWNERSHIP-ND CONSENT TO USE PERMISSION OF L-NDOWNERS -ND ST-TE OF FLORID- PRIOR TO CONSTRUCTION OF BE-CH PL-CEMENT
4. PIPELINE WILL NOT BLOCK -CCESS FROM L-NDOWNERS WHERE UPL-ND CROSSING OCCURS. CONTR-CTING OFFICER REPRESENT-TIVE -ND CONTR-CTOR TO DETERMINE BEST METHOD OF -CCESS OVER PIPELINE FOR L-NDOWNERS
5. THE TYPE OF PIPELINE M-TERI-L USED BY THE CONTR-CTOR WILL DETERMINE IF PIPELINE WILL BE SUBMERGED OR FLO-TED. PIPELINE WILL BE SUBMERGED WHERE N-VIG-BLE -CCESS IS NEEDED FOR VESSEL OPER-TORS.
6. CONTR-CTORS COMMONLY USE THE OLD -1- E-SEMENT FOR ST-GING EQUIPMENT -ND PIPE. SPONSOR WILL OBT-IN L-ND USE -GREEMENT OF ST-GING -RE- PRIOR TO CONSTRUCTION.
7. CONTR-CTORS WILL USE W-TERS -DJ-CENT TO THE PIPELINE CORRIDOR FOR CONSTRUCTION TR-NSIT -RE-S.
8. DMM- SJ-1 IS OWNED BY THE PROJECT SPONSOR, FIND, -ND M-Y BE USED -S - CONSTRUCTION ST-GING -RE-.
9. -ERI-L D-TE: 2014

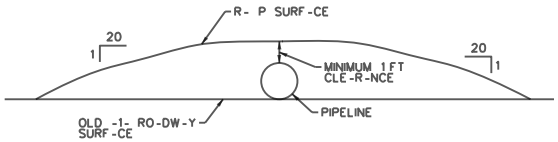
LEGEND:

PROPOSED PIPELINE ROUTE

FDEP R-MONUMENT

FEDER-L CH-NNEL CENTERLINE

UPL-ND CROSSING DET-IL OF PIPELINE OVER OLD -1- E-SEMENT




GR-PHIC SC-LE

4500' 0 4500'

PREP-RED BY: MLC
D-TE: FEBRU-RY 2017
-S SHOWN Scale:
PL-TE NO. 13/16

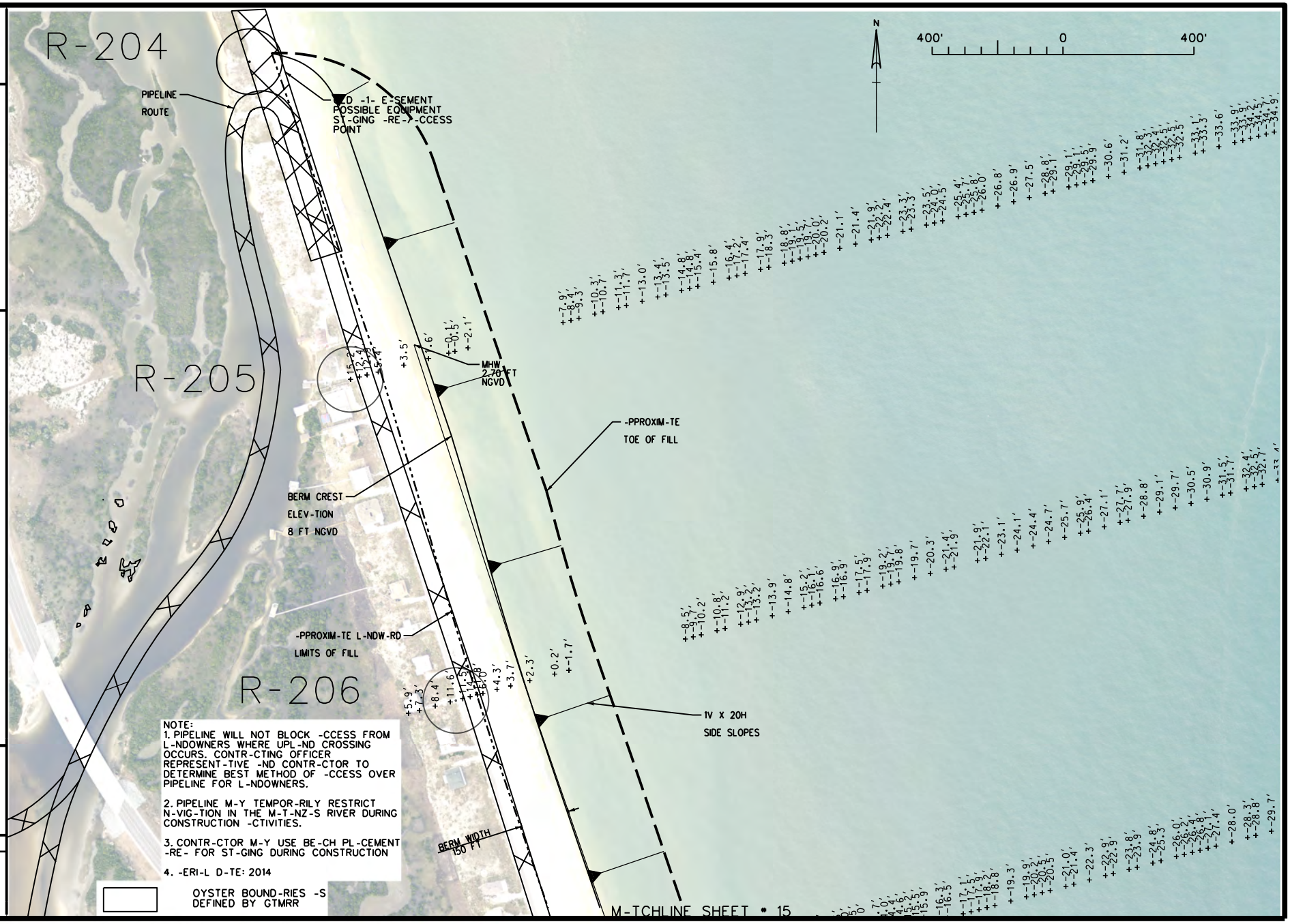
0294455-003-JN

US Army Corps of Engineers
Jacksonville District

JACKSONVILLE, FLORIDA
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
DEPARTMENT OF THE ARMY

INTRACOAST-L WATERWAY JACKSONVILLE TO MIAMI, FL
VICINITY OF MATANZAS INLET WITH BE-CH PLACEMENT
BE-CH PLACEMENT

PREP-RED BY: MLC
D-TE: FE19 M-Y 2010
-S SHOWN Scale:
PL-TE NO. 14/16




NOTE:
1. PIPELINE WILL NOT BLOCK -CCESS FROM L-NDOWNERS WHERE UPL-ND CROSSING OCCURS. CONTR-CTING OFFICER REPRESENT-TIVE -ND CONTR-CTOR TO DETERMINE BEST METHOD OF -CCESS OVER PIPELINE FOR L-NDOWNERS.

2. PIPELINE M-Y TEMPOR-RILY RESTRICT N-VIG-TION IN THE M-T-NZ-S RIVER DURING CONSTRUCTION -CTIVITIES.

3. CONTR-CTOR M-Y USE BE-CH PL-CEMENT -RE- FOR ST-GING DURING CONSTRUCTION

4. -ERI-L D-TE: 2014

OYSTER BOUND-RIES -S DEFINED BY GTMRR