



**ATLANTIC INTRACOASTAL
WATERWAY
MAINTENANCE DREDGING
NASSAU COUNTY REACH I, FLORIDA**

APPENDIX A
11" x 17" Project Drawings

ATLANTIC INTRACOASTAL WATERWAY MAINTENANCE DREDGING

NASSAU COUNTY, FLORIDA

DRAFT

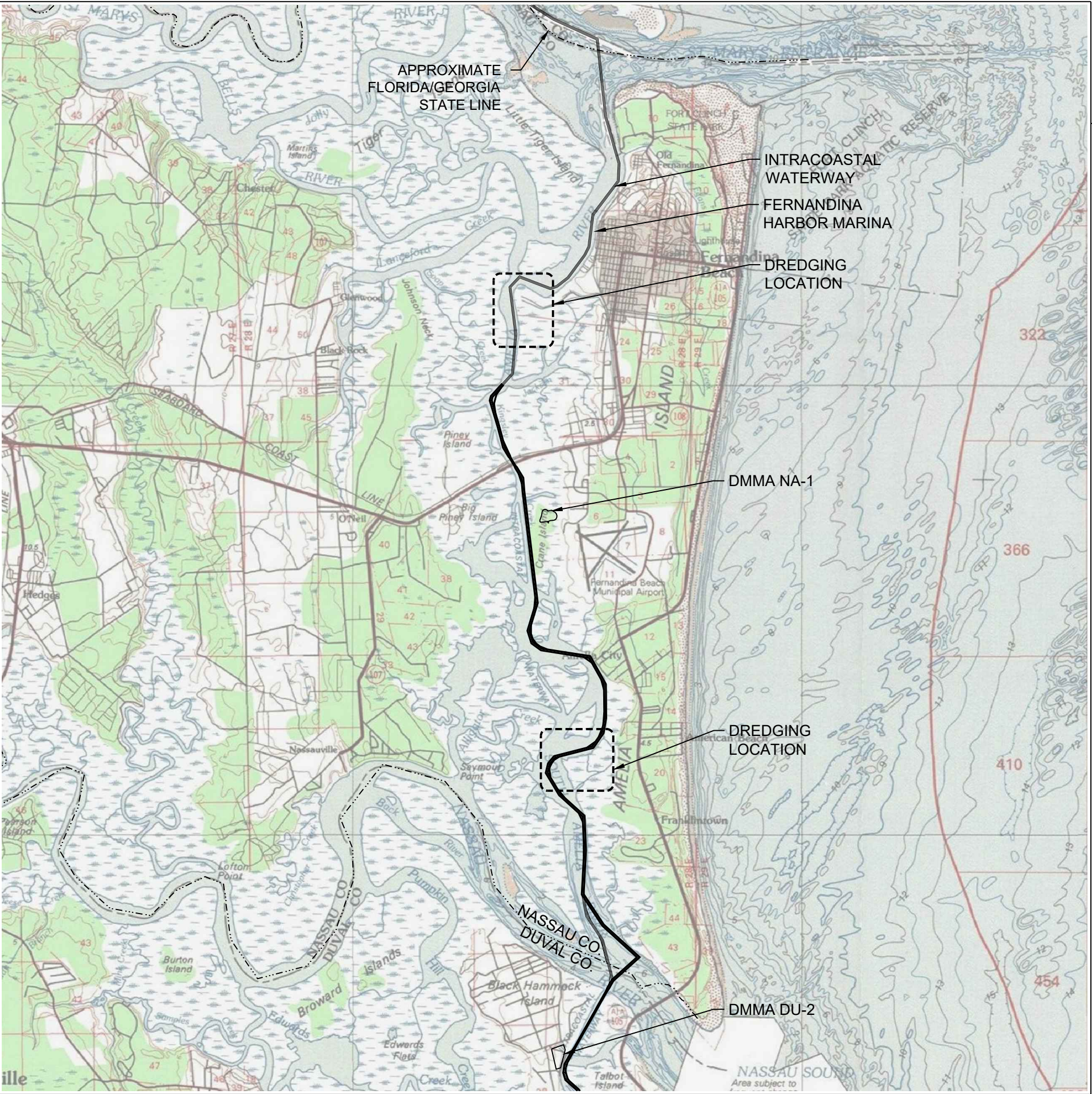


LOCATION MAP
N.T.S.



DRAWING INDEX

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VICINITY MAP
1"= 8,000' (22x34)
1"= 16,000' (11x17)

REFERENCE:
USA TOPO MAPS, ESRI

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1-800-638-4097

TAYLOR ENGINEERING INC.
10151 DEERWOOD PARK BLVD.
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1675 PALM BEACH LAKES, SUITE 210
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CERTIFICATE OF AUTHORIZATION # 4815

PRELIMINARY DRAWINGS: THESE
DRAWINGS ARE NOT IN FINAL FORM, BUT
ARE BEING TRANSMITTED FOR AGENCY
REVIEW.

PROJECT TITLE
**ATLANTIC INTRACOASTAL
WATERWAY MAINTENANCE
DREDGING**
NASSAU COUNTY, FLORIDA

PROJECT NO C2015-048
DATE MAY 2017

SEAL

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C-1

SHEET 1 OF 14

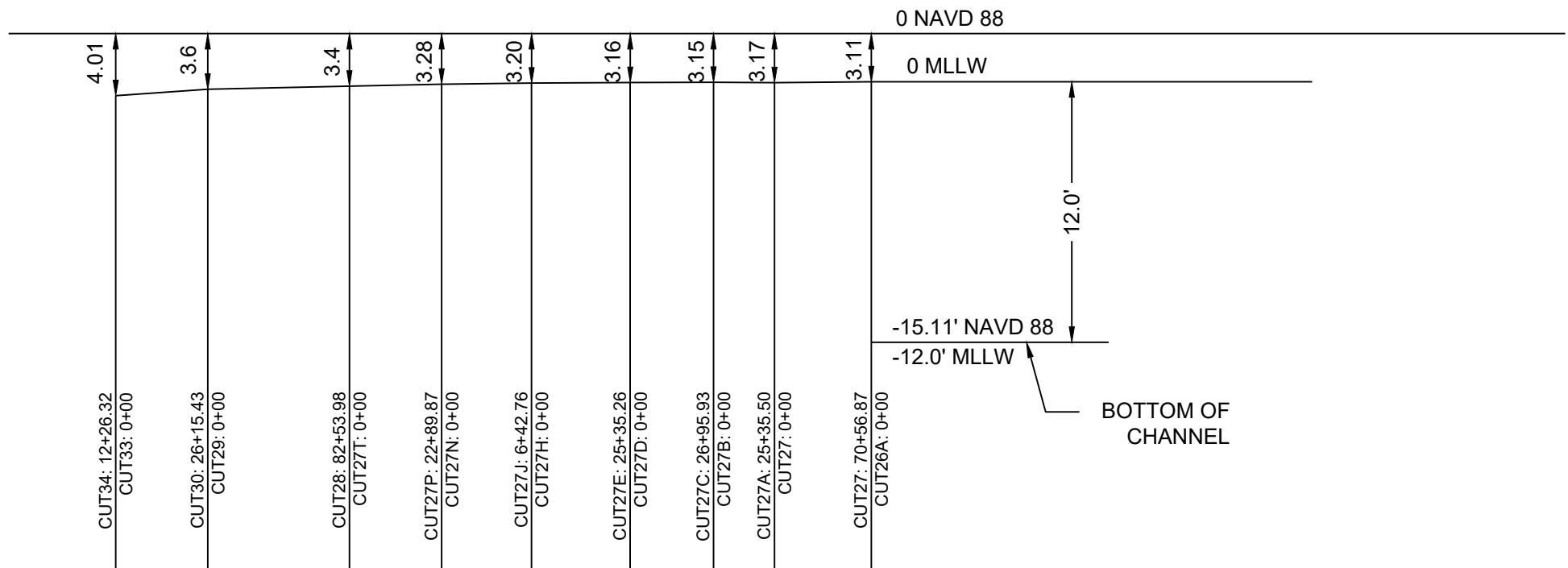
- COORDINATES SHOWN ARE IN U.S. SURVEY FEET, AND ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT.
- ELEVATIONS ARE SHOWN IN FEET REFERENCED TO MEAN LOWER LOW WATER. CAUTION: THE DIFFERENCE BETWEEN NAVD 88 AND MEAN LOWER LOW WATER VARIES AND MAY NOT BE THE SAME AS THE DIFFERENCE USED FOR PREVIOUS SURVEYS. TO MAKE A DIRECT COMPARISON BETWEEN SURVEYS, THE USER NEEDS TO BE CAREFUL TO VERIFY THE VERTICAL DATUM TRANSFORMATION PARAMETERS FOR EACH PROJECT AREA (SEE VERTICAL DATUM DIAGRAM, THIS SHEET).
- BASE DATA REFERENCES AS SHOWN IN THE CONSTRUCTION DRAWINGS ARE AS FOLLOWS: AERIAL REFERENCE -- MICROSOFT BING OPENSTREETMAP, 2011; GEOTECHNICAL INFORMATION - JUNE 2006 AND MAY 2016, U.S. ARMY CORPS OF ENGINEERS SOUTH ATLANTIC DIVISION - CESAW (APPENDIX E); BATHYMETRIC SURVEY - JULY 2014 AND JANUARY 2015, SEA DIVERSIFIED, INC.; HYDROGRAPHIC SURVEY OF THE INTRACOASTAL WATERWAY, NASSAU COUNTY, FL, OCTOBER 2015 AND JANUARY 2016, SEA DIVERSIFIED, INC.; BATHYMETRIC SURVEY OF THE INTRACOASTAL WATERWAY AT CUT-10 AND CUT-B SHOAL AREAS, NASSAU COUNTY, FLORIDA (APPENDIX F); UTILITY LOCATION SURVEY - DECEMBER 2015, SEA DIVERSIFIED, INC.; REPORT OF INVESTIGATION: SUBMERGED UTILITY LOCATION, INTRACOASTAL WATERWAY CUT-8 THROUGH CUT-27D, NASSAU COUNTY, FLORIDA (APPENDIX G); DREDGED MATERIAL MANAGEMENT AREA NA-1 AS-BUILT SURVEY (MAY 2013), DREDGED MATERIAL MANAGEMENT AREA DU-2 AS-BUILT SURVEY (MAY 2013) (APPENDIX H).
- THE CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR INSPECTION BY THE ENGINEER OF RECORD (EOR), ENGINEER, AND OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE EOR AND THE ENGINEER AS NECESSARY FOR CONSTRUCTION INSPECTION AND AS-BUILT CERTIFICATION. THE CONTRACTOR SHALL NOTIFY THE EOR AND THE OWNER AT APPROPRIATE AND APPROVED TIMES DURING THE COURSE OF THE WORK THAT THE CONTRACTOR IS READY FOR INSPECTION. WORK THAT IS ASSEMBLED OR COVERED SO THAT THE ENGINEER CANNOT INSPECT THE WORK PROPERLY SHALL BE DISASSEMBLED, UNCOVERED, OR DESTROYED AS NECESSARY FOR INSPECTION. THE COSTS OF REPAIR OR RESTORATION OF THIS WORK SHALL BE BORNE SOLELY BY THE CONTRACTOR.
- ALL REQUIRED SUBMITTALS OR MANUFACTURER'S INFORMATION SHALL BE IN U.S. CUSTOMARY UNITS. ALL SUBMITTALS USING METRIC UNITS WILL BE REJECTED AND RETURNED WITHOUT COMMENT.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ADJACENT FACILITIES, INCLUDING ALL ACCESS ROUTES TO AND FROM THE PERMANENT DISPOSAL LOCATION, CAUSED BY HIS ACTIVITIES DURING PERFORMANCE OF THE WORK. THE

PERMITS AND PERMIT CONDITIONS

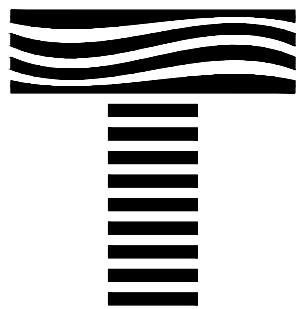
1. THE OWNER HAS SUPPLIED COPIES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT NO. 45-0343474-001-EE, 45-029060-004-EM, 45-029060-004-EM AND 45-75835-009-EE (APPENDIX B). THE U.S. ARMY CORPS OF ENGINEERS REGIONAL GENERAL PERMIT VERIFICATION SAJ-2016-00719 (RGP-SCV), SAJ-2008-03402 (SP-SCV) MODIFICATION-1 AND SAJ-1997-02063 (SP-BAL) (APPENDIX C) AS PART OF THE SPECIFICATIONS. THE CONTRACTOR SHALL COMPLY WILL ALL PERMIT CONDITIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT SUPPLIED BY THE OWNER. COSTS OF OBTAINING PERMITS NOT SUPPLIED BY THE OWNER SHALL BE BORNE BY THE CONTRACTOR. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: NPDES PERMIT (OR NOI), CLEARING OR LAND DISTURBANCE PERMITS, TREE IMPACT PERMITS, CITY OR COUNTY BUILDING PERMITS, DRIVEWAY OR ENTRANCE PERMITS, TEMPORARY UTILITIES PERMITS, ETC. AS NECESSARY.
3. THE CONTRACTOR SHALL NOT EXTEND DREDGING ACTIVITIES OUTSIDE THE PERMITTED DREDGED TEMPLATE. DREDGED MATERIAL SHALL BE DEPOSITED AT THE 19.6 ACRE, DREDGED MATERIAL MANAGEMENT AREA (DMMA NA-1) LOCATED ON CRANE ISLAND IN FERNANDINA BEACH AND THE 49.91 ACRE DMMA DU-2 LOCATED ON BLACK HAMMOCK ISLAND IN JACKSONVILLE, FLORIDA.
4. ALL WATERCRAFT ASSOCIATED WITH THE EXECUTION OF THE PERMITTED PROJECT SHALL ONLY OPERATE WITHIN WATERS OF SUFFICIENT DEPTH SO AS TO PRECLUDE BOTTOM SCOURING, PIER DREDGING, SPOILING, AND DAMAGE TO THE SUBMERGED BOTTOM OR SUBMERGED STRUCTURES. A MINIMUM 18-INCH CLEARANCE MUST BE MAINTAINED AT ALL TIMES).
5. AT LEAST ONE PERSON SHALL BE DESIGNATED AS A MANATEE OBSERVER WHEN IN-WATER WORK IS BEING PERFORMED. THAT PERSON SHALL HAVE EXPERIENCE IN MANATEE OBSERVATION, AND BE EQUIPPED WITH POLARIZED SUNGLASSES TO AIDE IN OBSERVATION. THE MANATEE OBSERVER MUST BE ON SITE DURING ALL IN-WATER DREDGING ACTIVITIES AND WILL ADVISE PERSONNEL TO CEASE OPERATION UPON SIGHTING A MANATEE WITHIN 50 FEET OF ANY IN-WATER CONSTRUCTION ACTIVITIES.

CAUTION:
THE APPROXIMATE LOCATION OF THE UTILITIES SHOWN HEREIN
WERE PROVIDED BY SEA DIVERSIFIED, INC., DECEMBER 2015.
(APPENDIX G). THERE MAY BE OTHER UTILITY CROSSINGS THAT WERE
NOT DETECTED DURING THE SURVEY. CONTRACTOR IS ADVISED TO
REFER TO SPECIFICATION 35 20 23, SECTION 1.6.A. FOR FURTHER
DETAILS.

DATUM: MEAN LOWER LOW WATER
CORRECTIONS: CAUTION: THE DIFFERENCE BETWEEN NAVD 88 AND MEAN LOWER LOW WATER VARIES AND MAY NOT BE THE SAME AS THE DIFFERENCE USED FOR PREVIOUS USACE SURVEYS. TO MAKE A DIRECT COMPARISON BETWEEN SURVEYS, THE USER NEEDS TO BE CAREFUL TO VERIFY THE VERTICAL DATUM TRANSFORMATION PARAMETERS FOR EACH PROJECT AREA (SEE VERTICAL DATUM DIAGRAM). SOURCE OF SURVEY DATA = SEA DIVERSIFIED, INC., JULY 2014 THROUGH JANUARY, 2015 (APPENDIX F).



VERTICAL DATUM DIAGRAM



10151 DEERWOOD PARK BLVD.
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75 PALM BEACH LAKES, SUITE 210
EST PALM BEACH, FLORIDA 33401
(561)-640-7310

CERTIFICATE OF AUTHORIZATION # 4815

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PROJECT TITLE

ATLANTIC INTRACOASTAL
WATERWAY MAINTENANCE
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NASSAU COUNTY, FLORIDA

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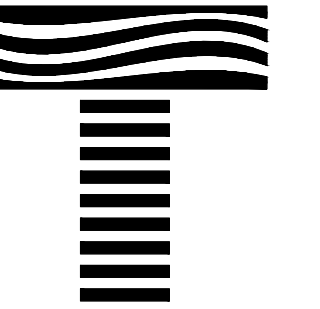
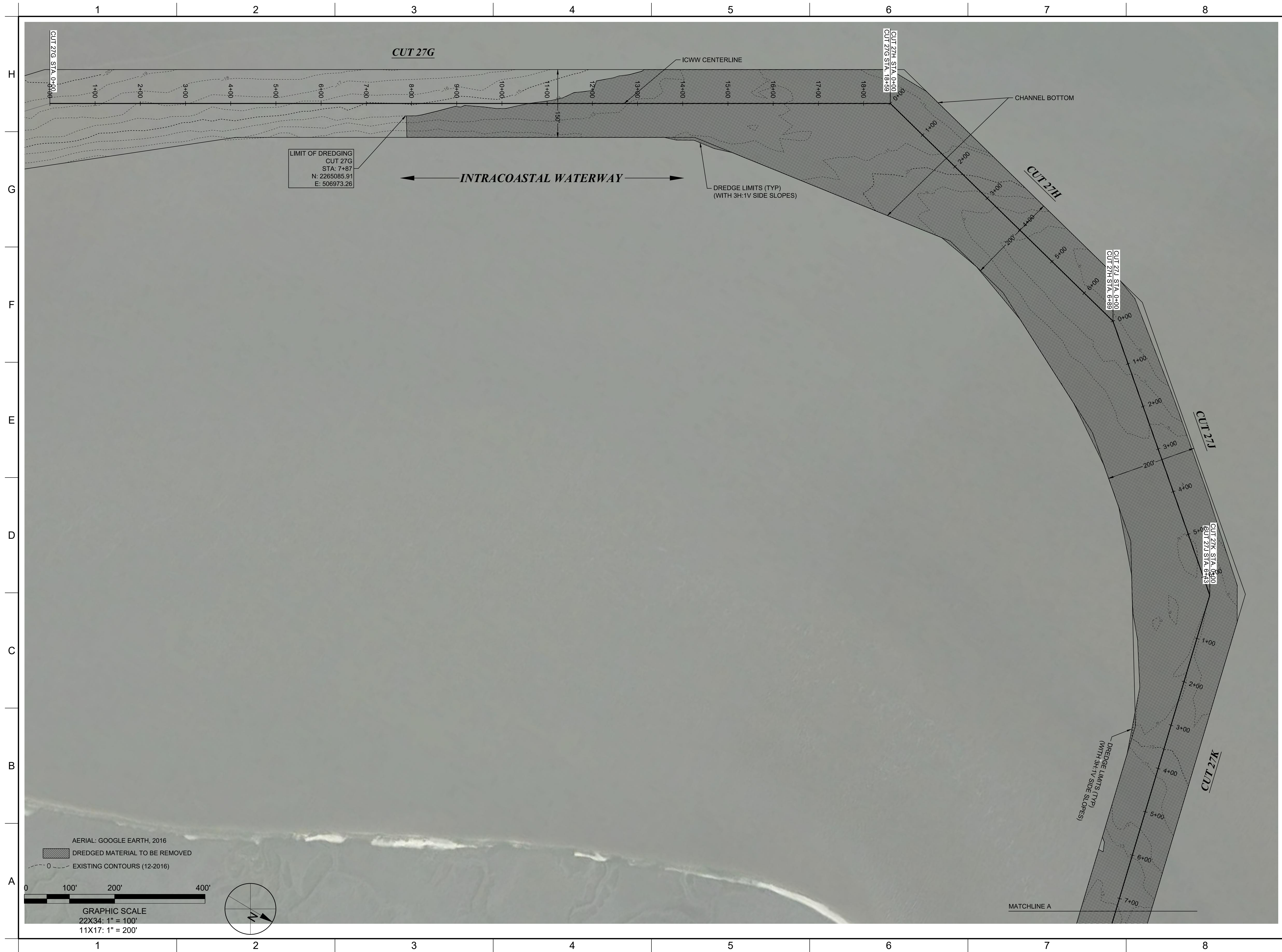
PROJECT NO	C2015-048
DATE	MAY 2017
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SCALE	AS SHOWN

DRAWING TITLE

PROJECT OVERVIEW

C-2

SHEET 2 OF 14



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SCALE	AS SHOWN	

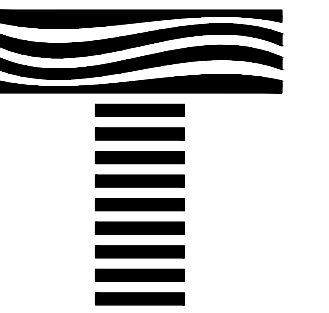
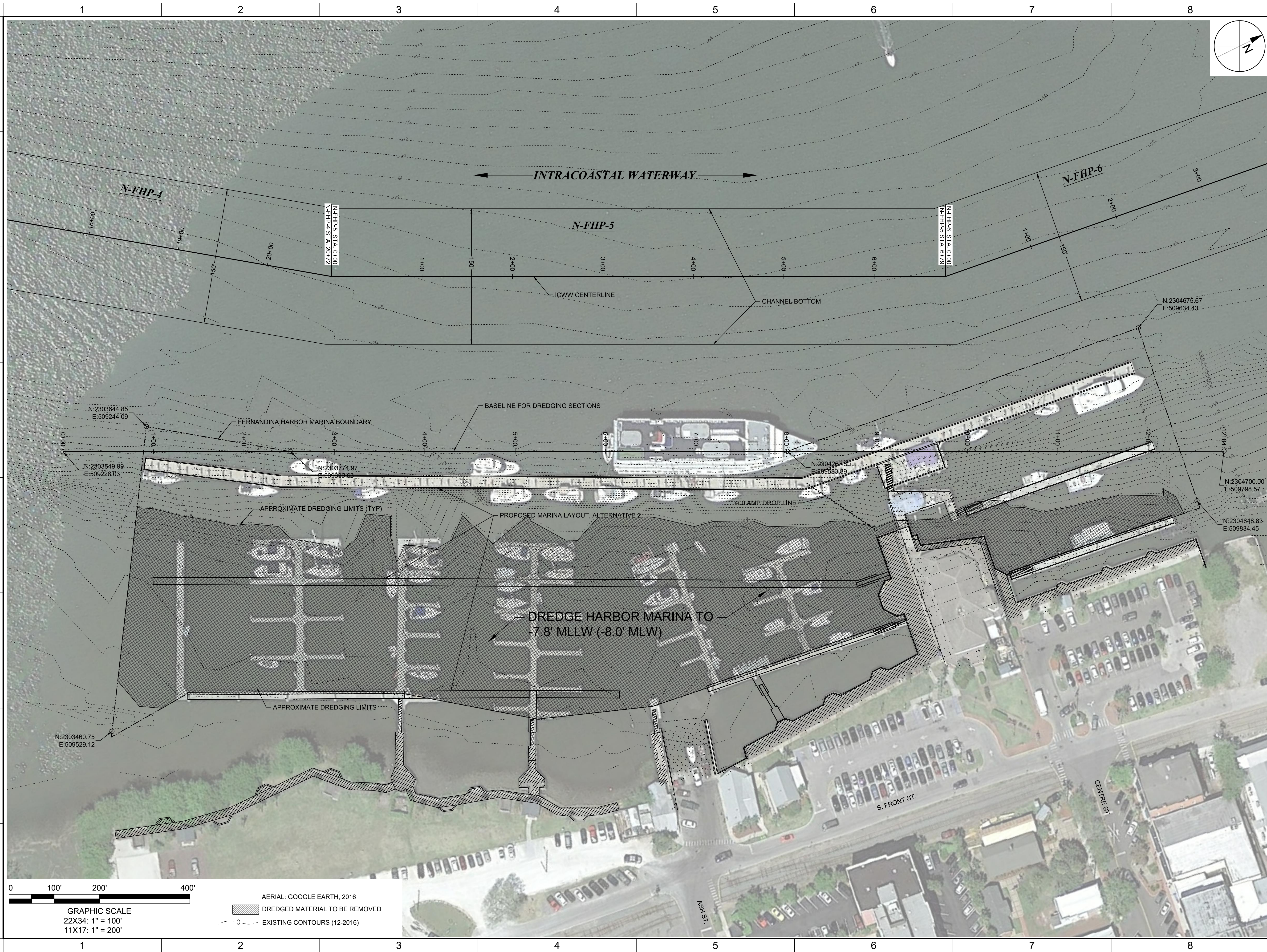
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DREDGEING PLAN -- CUTS
27G, 27H, & 27J

C-3

SHEET 3 OF 14

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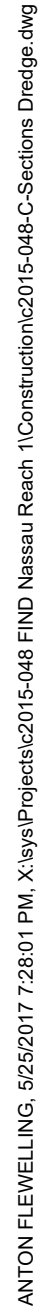
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DATE	MAY 2017	
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MARINA DREDGING PLAN
ALTERNATIVE 2

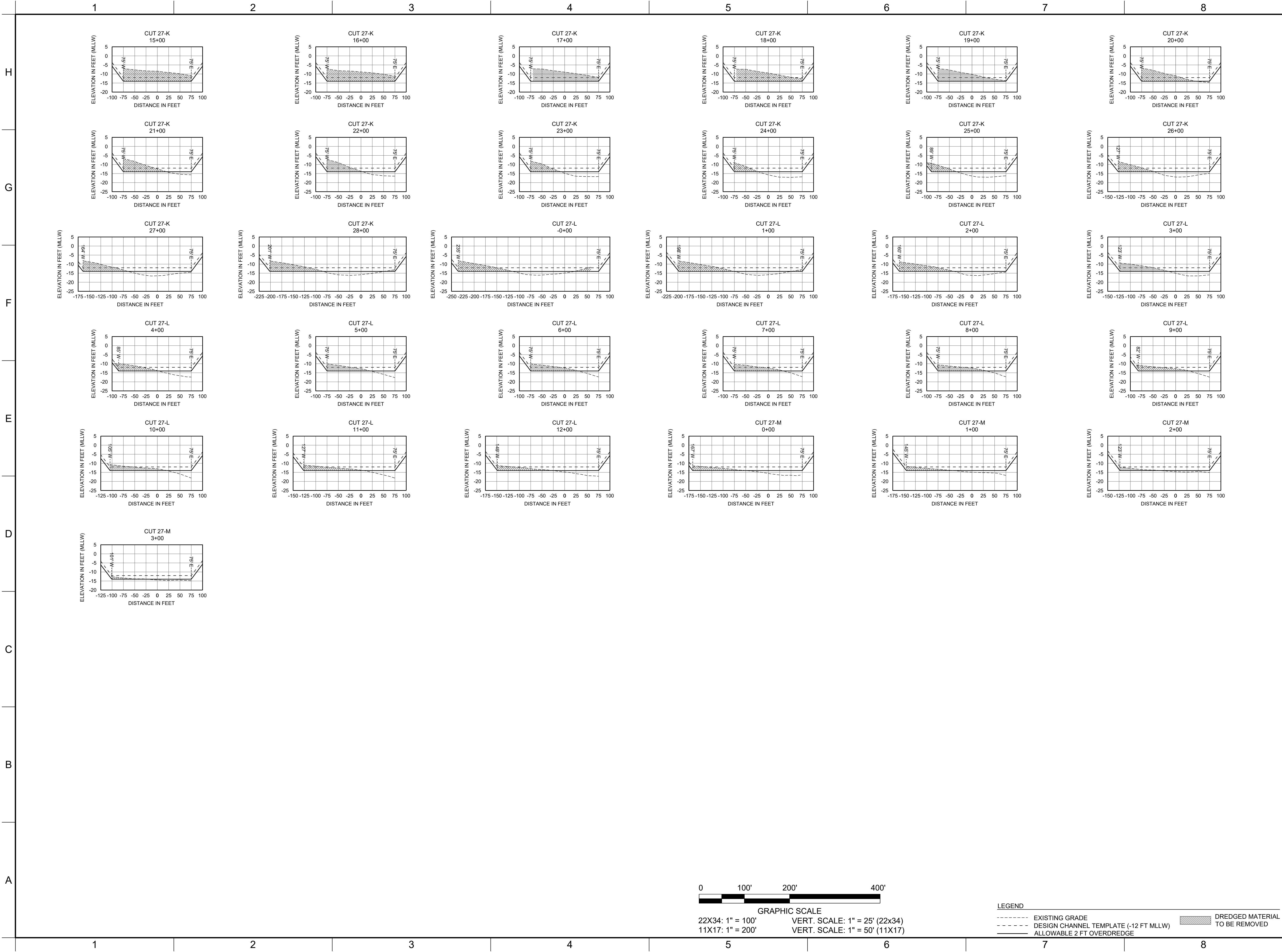
C-7

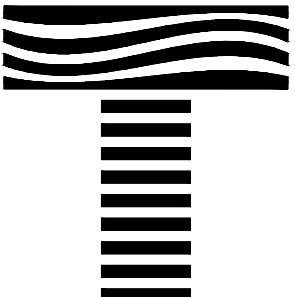
SHEET 7 OF 14



SHEET 8 OF 14

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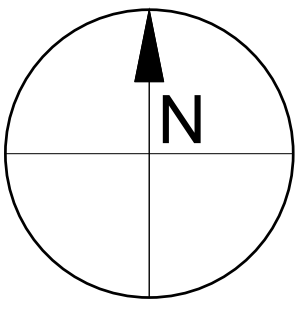
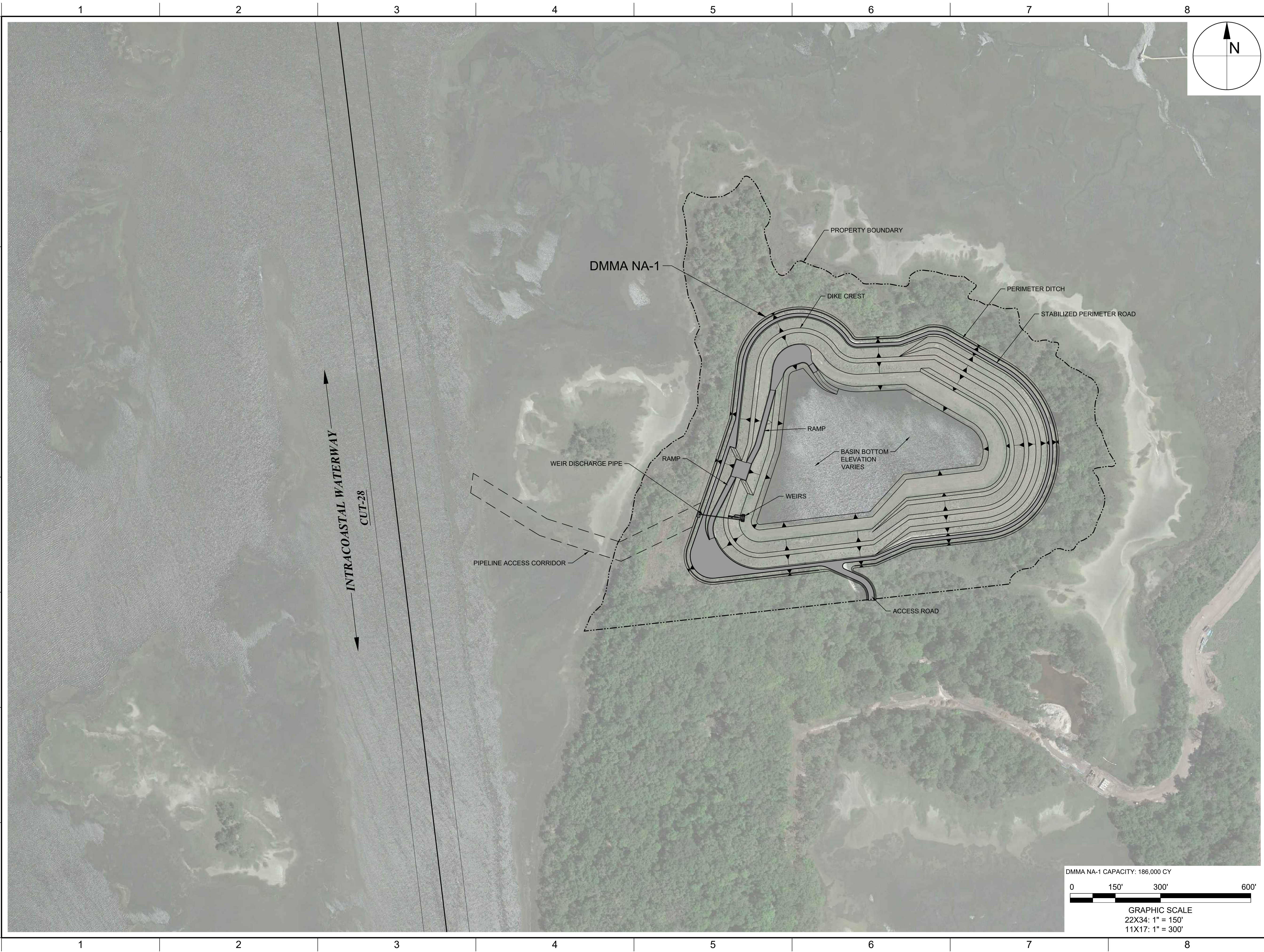
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PROJECT NO											C2015-048	
DATE											MAY 2017	
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CROSS-SECTIONS												
C-9												
SHEET 9 OF 14												



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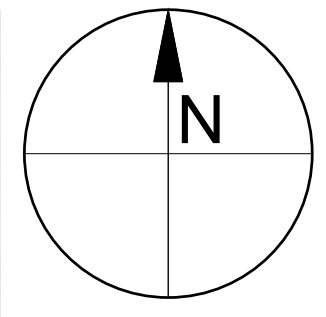
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DMMA NA-1 PLAN

C-12

SHEET 12 OF 14

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SCALE	AS SHOWN

DRAWING TITLE

DMMA DU-2 PLAN

C-13

SHEET 13 OF 14

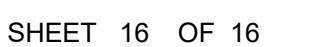
DMMA DU-2 CAPACITY: 154,000 CY



GRAPHIC SCALE
22X34: 1" = 150'
11X17: 1" = 300'

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- NOT TO SCALE



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