



**FLORIDA INLAND NAVIGATION DISTRICT
DREDGED MATERIAL MANAGEMENT
AREA DU-9 EXPANSION
ST. JOHNS COUNTY, FLORIDA**

**APPENDIX A
PROJECT DRAWINGS**

FLORIDA INLAND NAVIGATION DISTRICT

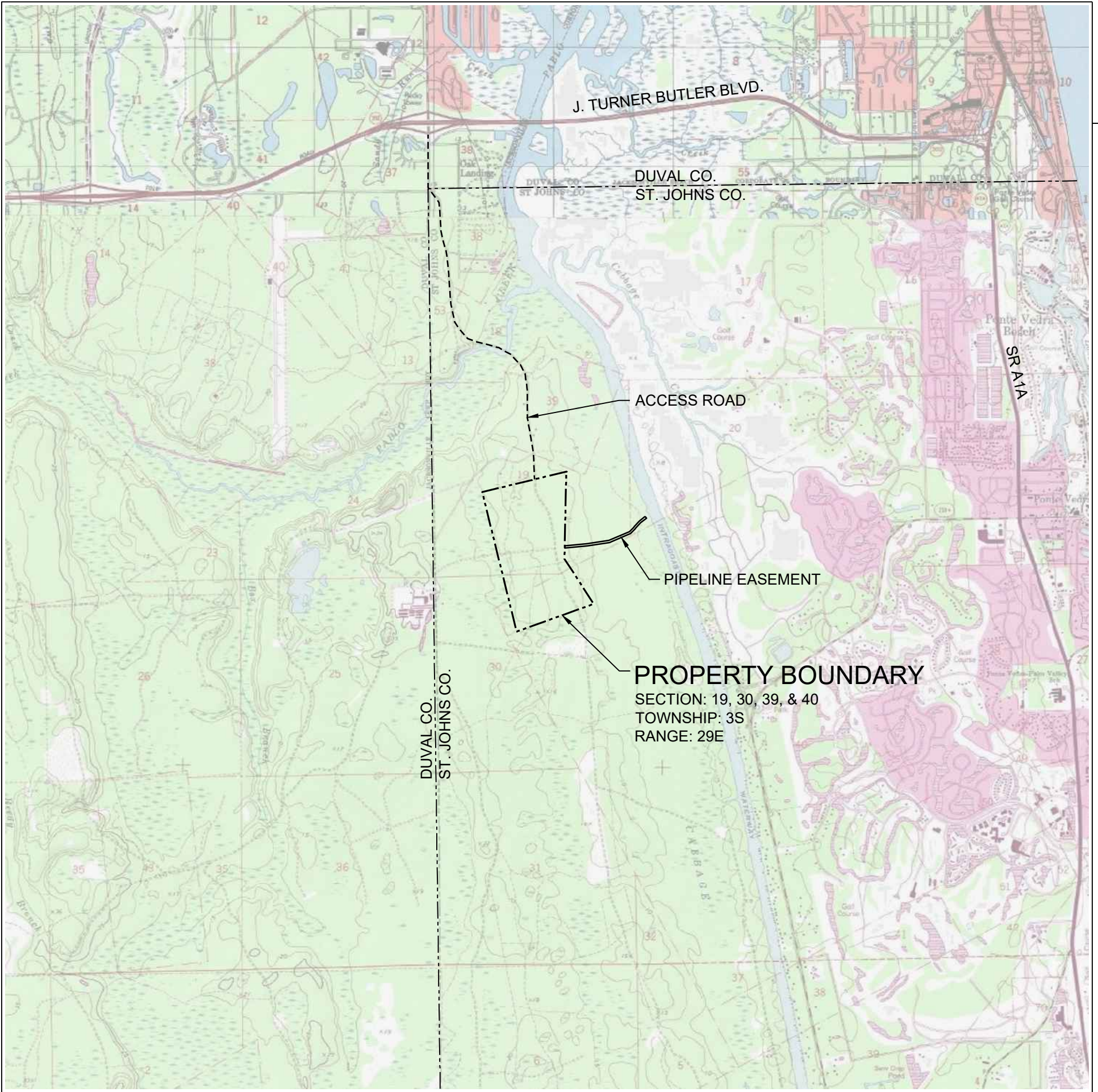
DREDGED MATERIAL MANAGEMENT AREA DU-9 EXPANSION

ST. JOHNS COUNTY, FLORIDA



DRAWING INDEX

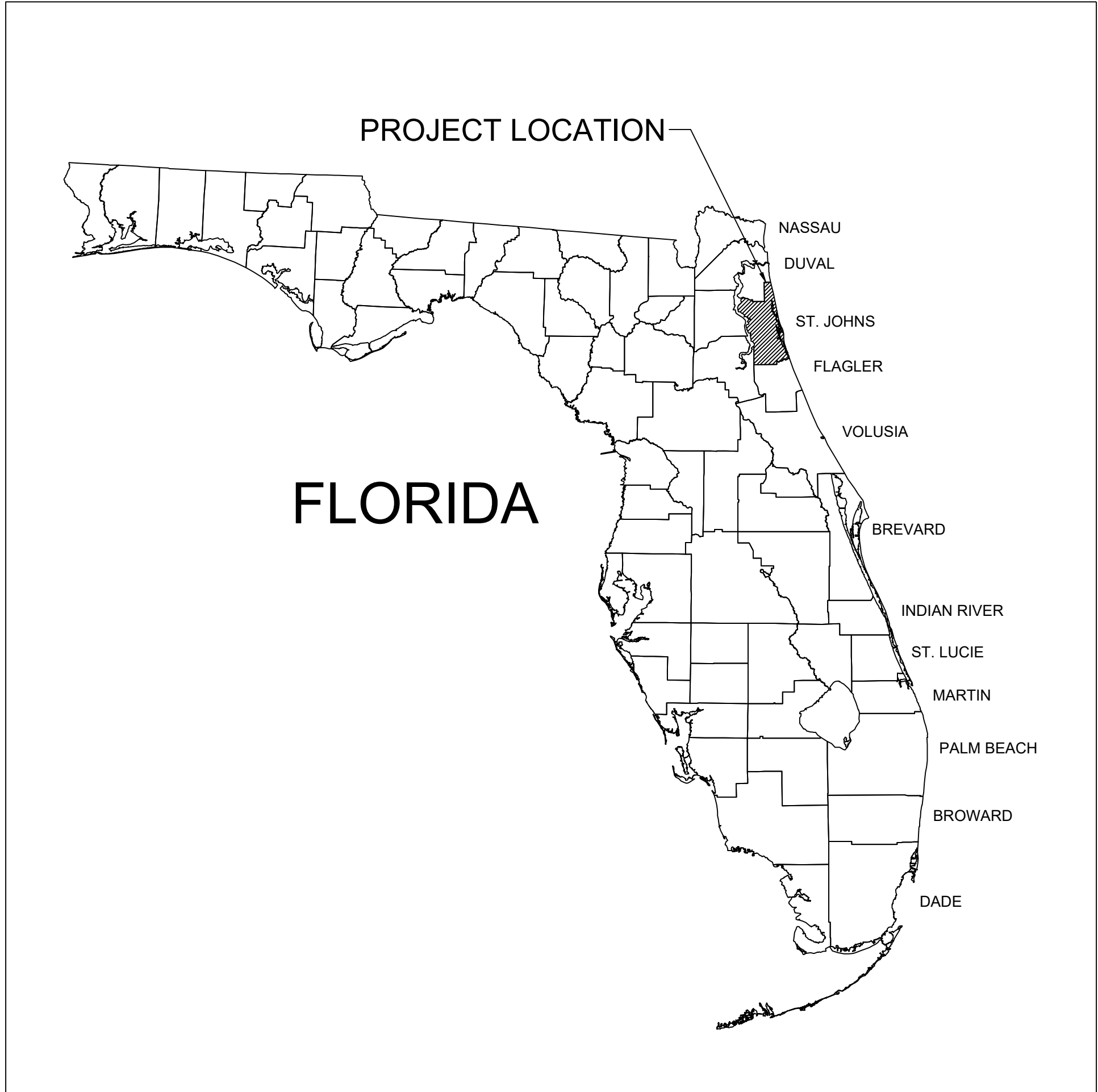
- C-1 TITLE SHEET
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VICINITY MAP

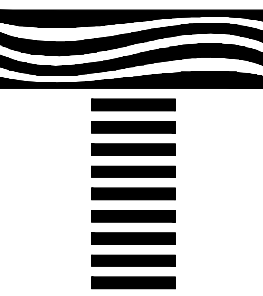
1"= 3000' (22x34)
1"= 6000' (11x17)

REFERENCE:
USGS 7.5' QUADRANGLE MAP,
JUPITER, FL, 1995



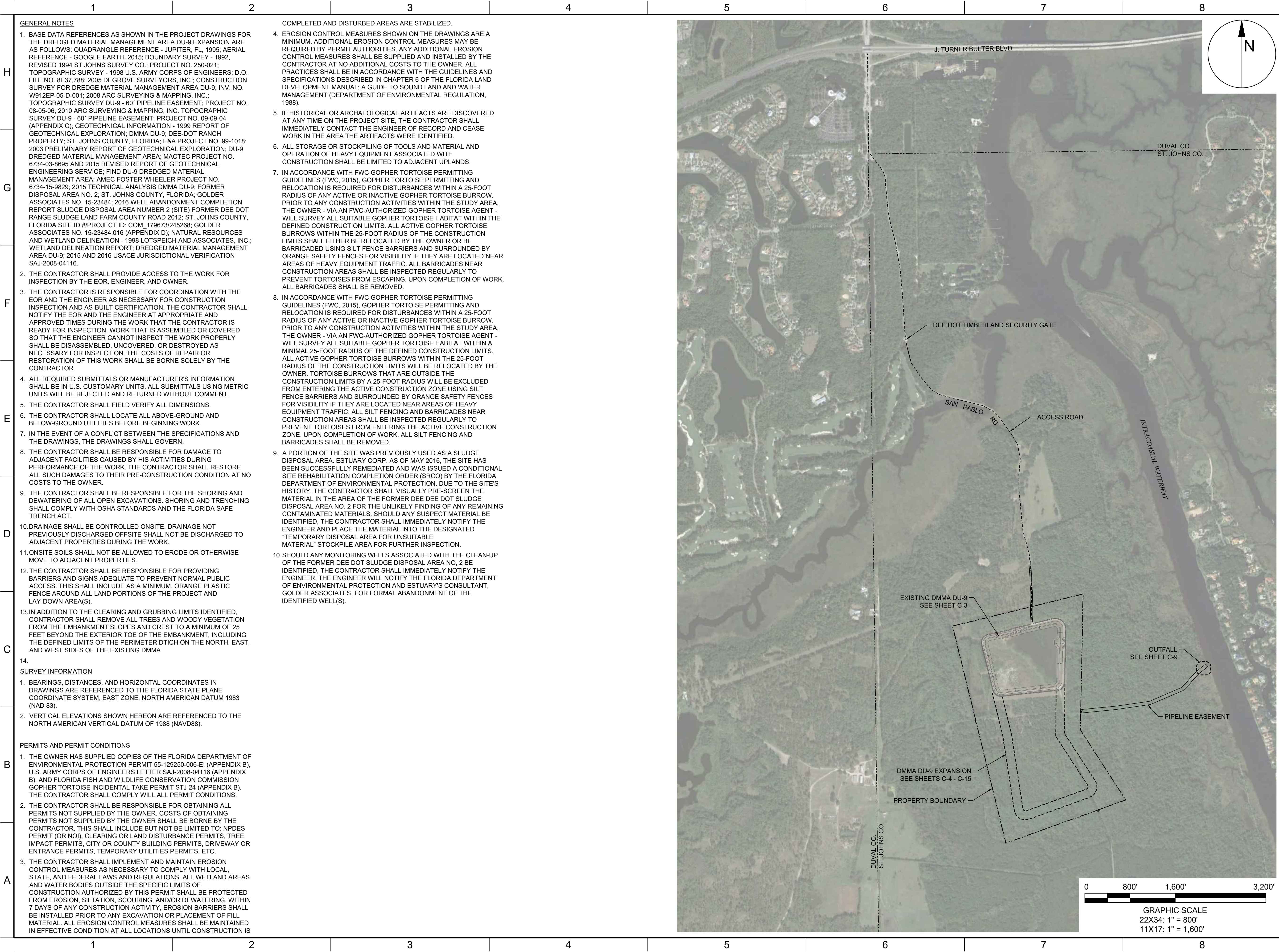
LOCATION MAP

N.T.S.

 TAYLOR ENGINEERING INC. 10151 DEERWOOD PARK BLVD BLDG 300, SUITE 300 JACKSONVILLE, FLORIDA 32256 (904)-731-7040 1655 PALM BEACH LAKES BLVD SUITE 1012 WEST PALM BEACH, FL 33401 (561)-640-7310 CERTIFICATE OF AUTHORIZATION # 4815		PROJECT TITLE FLORIDA INLAND NAVIGATION DISTRICT DREDGED MATERIAL MANAGEMENT AREA DU-9 EXPANSION ST. JOHNS COUNTY, FLORIDA		SEAL LORI S. BROWNELL P.E.# 60025 C-1
		PROJECT NO C2014-075	DATE JAN 2017	

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GENERAL NOTES

1. BASE DATA REFERENCES AS SHOWN IN THE PROJECT DRAWINGS FOR THE DREDGED MATERIAL MANAGEMENT AREA DU-9 EXPANSION ARE AS FOLLOWS: QUADRANGLE REFERENCE - JUPITER, FL 1995; AERIAL REFERENCE - GOOGLE EARTH, 2015; BOUNDARY SURVEY - 1992, REVISED 1994 ST. JOHNS SURVEY CO.; PROJECT NO. 250-021; TOPOGRAPHIC SURVEY - 1998 U.S. ARMY CORPS OF ENGINEERS; D.O. FILE NO. 8E37.788; 2005 DEGROVE SURVEYORS, INC.; CONSTRUCTION SURVEY FOR DREDGE MATERIAL MANAGEMENT AREA DU-9; INV. NO. W912EP-05-D-001; 2008 ARC SURVEYING & MAPPING, INC.; TOPOGRAPHIC SURVEY DU-9 - 60' PIPELINE EASEMENT; PROJECT NO. 08-05-06; 2010 ARC SURVEYING & MAPPING, INC. TOPOGRAPHIC SURVEY DU-9 - 60' PIPELINE EASEMENT; PROJECT NO. 09-09-04 (APPENDIX C); GEOTECHNICAL INFORMATION - 1999 REPORT OF GEOTECHNICAL EXPLORATION; DMMA DU-9; DEE-DOT RANCH PROPERTY; ST. JOHNS COUNTY, FLORIDA; E&A PROJECT NO. 99-1018; 2003 PRELIMINARY REPORT OF GEOTECHNICAL EXPLORATION; DU-9 DREDGED MATERIAL MANAGEMENT AREA; MACTEC PROJECT NO. 6734-03-8695 AND 2015 REVISED REPORT OF GEOTECHNICAL ENGINEERING SERVICE; FIND DU-9 DREDGED MATERIAL MANAGEMENT AREA; AMEC FOSTER WHEELER PROJECT NO. 6734-15-9829; 2015 TECHNICAL ANALYSIS DMMA DU-9; FORMER DISPOSAL AREA NO. 2; ST. JOHNS COUNTY, FLORIDA; GOLDER ASSOCIATES NO. 15-23484; 2016 WELL ABANDONMENT COMPLETION REPORT SLUDGE DISPOSAL AREA NUMBER 2 (SITE) FORMER DEE DOT RANGE SLUDGE LAND FARM COUNTY ROAD 2012; ST. JOHNS COUNTY, FLORIDA SITE ID #PROJECT ID: COM_179673/245268; GOLDER ASSOCIATES NO. 15-23484.016 (APPENDIX D); NATURAL RESOURCES AND WETLAND DELINEATION - 1998 LOTSPEICH AND ASSOCIATES, INC.; WETLAND DELINEATION REPORT; DREDGED MATERIAL MANAGEMENT AREA DU-9; 2015 AND 2016 USACE JURISDICTIONAL VERIFICATION SAJ-2008-04116.

2. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR INSPECTION BY THE EOR, ENGINEER, AND OWNER.

3. 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 ENGINEER AT APPROPRIATE AND APPROVED TIMES DURING 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.

4. 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.

5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.

6. THE CONTRACTOR SHALL LOCATE ALL ABOVE-GROUND AND BELOW-GROUND UTILITIES BEFORE BEGINNING WORK.

7. IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ADJACENT FACILITIES CAUSED BY HIS ACTIVITIES DURING PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL RESTORE ALL SUCH DAMAGES TO THEIR PRE-CONSTRUCTION CONDITION AT NO COSTS TO THE OWNER.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHORING AND DEWATERING OF ALL OPEN EXCAVATIONS. SHORING AND TRENCHING SHALL COMPLY WITH OSHA STANDARDS AND THE FLORIDA SAFE TRENCH ACT.

10. DRAINAGE SHALL BE CONTROLLED ONSITE. DRAINAGE NOT PREVIOUSLY DISCHARGED OFFSITE SHALL NOT BE DISCHARGED TO ADJACENT PROPERTIES DURING THE WORK.

11. ONSITE SOILS SHALL NOT BE ALLOWED TO ERODE OR OTHERWISE MOVE TO ADJACENT PROPERTIES.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING BARRIERS AND SIGNS ADEQUATE TO PREVENT NORMAL PUBLIC ACCESS. THIS SHALL INCLUDE AS A MINIMUM, ORANGE PLASTIC FENCE AROUND ALL LAND PORTIONS OF THE PROJECT AND LAY-DOWN AREA(S).

13. IN ADDITION TO THE CLEARING AND GRUBBING LIMITS IDENTIFIED, CONTRACTOR SHALL REMOVE ALL TREES AND WOODY VEGETATION FROM THE EMBANKMENT SLOPES AND CREST TO A MINIMUM OF 25 FEET BEYOND THE EXTERIOR TOE OF THE EMBANKMENT, INCLUDING THE DEFINED LIMITS OF THE PERIMETER DITCH ON THE NORTH, EAST, AND WEST SIDES OF THE EXISTING DMMA.

14.

SURVEY INFORMATION

1. BEARINGS, DISTANCES, AND HORIZONTAL COORDINATES IN DRAWINGS ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (NAD 83).

2. VERTICAL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

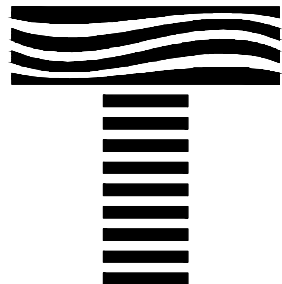
PERMITS AND PERMIT CONDITIONS

1. THE OWNER HAS SUPPLIED COPIES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT 55-129250-006-EI (APPENDIX B), U.S. ARMY CORPS OF ENGINEERS LETTER SAJ-2008-04116 (APPENDIX B), AND FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION GOPHER TORTOISE INCIDENTAL TAKE PERMIT STJ-24 (APPENDIX B). 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.

3. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. ALL WETLAND AREAS AND WATER BODIES OUTSIDE THE SPECIFIC LIMITS OF CONSTRUCTION AUTHORIZED BY THIS PERMIT SHALL BE PROTECTED FROM EROSION, SILTATION, SCOURING, AND/OR DEWATERING. WITHIN 7 DAYS OF ANY CONSTRUCTION ACTIVITY, EROSION BARRIERS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION OR PLACEMENT OF FILL MATERIAL. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS

- COMPLETED AND DISTURBED AREAS ARE STABILIZED.
4. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY PERMIT AUTHORITIES. ANY ADDITIONAL EROSION CONTROL MEASURES SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COSTS TO THE OWNER. ALL PRACTICES SHALL BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS DESCRIBED IN CHAPTER 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL; A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEPARTMENT OF ENVIRONMENTAL REGULATION, 1988).
5. IF HISTORICAL OR ARCHAEOLOGICAL ARTIFACTS ARE DISCOVERED AT ANY TIME ON THE PROJECT SITE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD AND CEASE WORK IN THE AREA THE ARTIFACTS WERE IDENTIFIED.
6. ALL STORAGE OR STOCKPILING OF TOOLS AND MATERIAL AND OPERATION OF HEAVY EQUIPMENT ASSOCIATED WITH CONSTRUCTION SHALL BE LIMITED TO ADJACENT UPLANDS.
7. IN ACCORDANCE WITH FWC GOPHER TORTOISE PERMITTING GUIDELINES (FWC, 2015), GOPHER TORTOISE PERMITTING AND RELOCATION IS REQUIRED FOR DISTURBANCES WITHIN A 25-FOOT RADIUS OF ANY ACTIVE OR INACTIVE GOPHER TORTOISE BURROW. PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN THE STUDY AREA, THE OWNER - VIA AN FWC-AUTHORIZED GOPHER TORTOISE AGENT - WILL SURVEY ALL SUITABLE GOPHER TORTOISE HABITAT WITHIN THE DEFINED CONSTRUCTION LIMITS. ALL ACTIVE GOPHER TORTOISE BURROWS WITHIN THE 25-FOOT RADIUS OF THE CONSTRUCTION LIMITS SHALL EITHER BE RELOCATED BY THE OWNER OR BE BARRICADED USING SILT FENCE BARRIERS AND SURROUNDED BY ORANGE SAFETY FENCES FOR VISIBILITY IF THEY ARE LOCATED NEAR AREAS OF HEAVY EQUIPMENT TRAFFIC. ALL BARRICADES NEAR CONSTRUCTION AREAS SHALL BE INSPECTED REGULARLY TO PREVENT TORTOISES FROM ESCAPING. UPON COMPLETION OF WORK, ALL BARRICADES SHALL BE REMOVED.
8. IN ACCORDANCE WITH FWC GOPHER TORTOISE PERMITTING GUIDELINES (FWC, 2015), GOPHER TORTOISE PERMITTING AND RELOCATION IS REQUIRED FOR DISTURBANCES WITHIN A 25-FOOT RADIUS OF ANY ACTIVE OR INACTIVE GOPHER TORTOISE BURROW. PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN THE STUDY AREA, THE OWNER - VIA AN FWC-AUTHORIZED GOPHER TORTOISE AGENT - WILL SURVEY ALL SUITABLE GOPHER TORTOISE HABITAT WITHIN A MINIMAL 25-FOOT RADIUS OF THE DEFINED CONSTRUCTION LIMITS. ALL ACTIVE GOPHER TORTOISE BURROWS WITHIN THE 25-FOOT RADIUS OF THE CONSTRUCTION LIMITS WILL BE RELOCATED BY THE OWNER. TORTOISE BURROWS THAT ARE OUTSIDE THE CONSTRUCTION LIMITS BY A 25-FOOT RADIUS WILL BE EXCLUDED FROM ENTERING THE ACTIVE CONSTRUCTION ZONE USING SILT FENCE BARRIERS AND SURROUNDED BY ORANGE SAFETY FENCES FOR VISIBILITY IF THEY ARE LOCATED NEAR AREAS OF HEAVY EQUIPMENT TRAFFIC. ALL SILT FENCING AND BARRICADES NEAR CONSTRUCTION AREAS SHALL BE INSPECTED REGULARLY TO PREVENT TORTOISES FROM ENTERING THE ACTIVE CONSTRUCTION ZONE. UPON COMPLETION OF WORK, ALL SILT FENCING AND BARRICADES SHALL BE REMOVED.
9. A PORTION OF THE SITE WAS PREVIOUSLY USED AS A SLUDGE DISPOSAL AREA. ESTUARY CORP. AS OF MAY 2016. THE SITE HAS BEEN SUCCESSFULLY REMEDIATED AND WAS ISSUED A CONDITIONAL SITE REHABILITATION COMPLETION ORDER (SRCO) BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. DUE TO THE SITE'S HISTORY, THE CONTRACTOR SHALL VISUALLY PRE-SCREEN THE MATERIAL IN THE AREA OF THE FORMER DEE DOT SLUDGE DISPOSAL AREA NO. 2 FOR THE UNLIKELY FINDING OF ANY REMAINING CONTAMINATED MATERIALS. SHOULD ANY SUSPECT MATERIAL BE IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND PLACE THE MATERIAL INTO THE DESIGNATED "TEMPORARY DISPOSAL AREA FOR UNSUITABLE MATERIAL" STOCKPILE AREA FOR FURTHER INSPECTION.
10. SHOULD ANY MONITORING WELLS ASSOCIATED WITH THE CLEAN-UP OF THE FORMER DEE DOT SLUDGE DISPOSAL AREA NO. 2 BE IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. THE ENGINEER WILL NOTIFY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ESTUARY'S CONSULTANT, GOLDER ASSOCIATES, FOR FORMAL ABANDONMENT OF THE IDENTIFIED WELL(S).



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10151 DEERWOOD PARK BLVD
BLDG 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904)-731-7040
1655 PALM BEACH LAKES BLVD
SUITE 1012
WEST PALM BEACH, FL 33401
(561)-640-7310
CERTIFICATE OF AUTHORIZATION # 4815

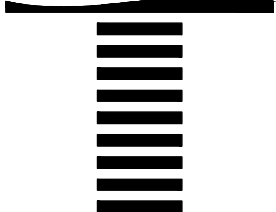
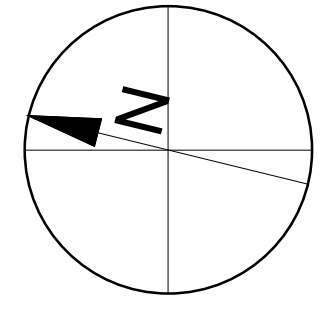
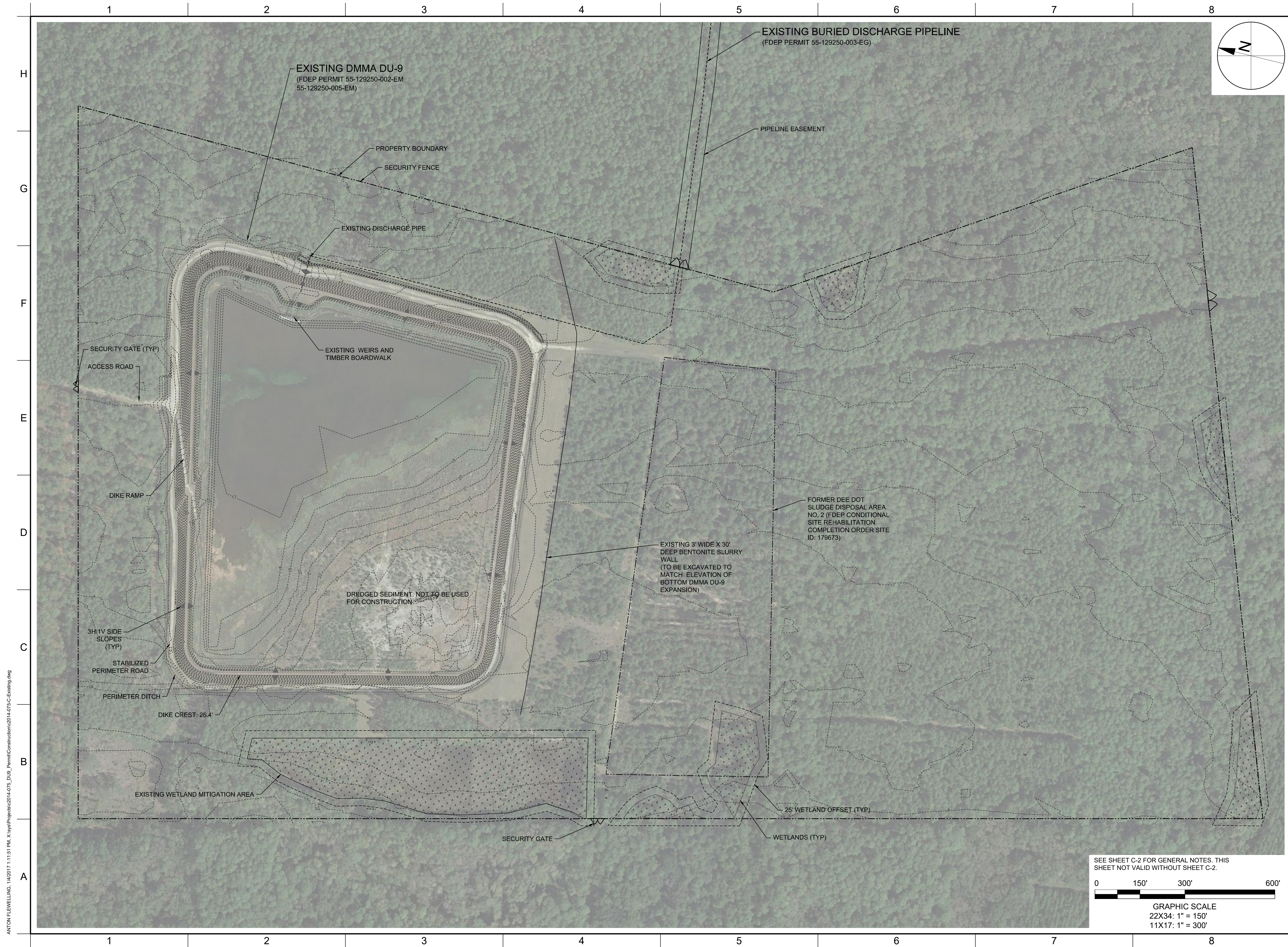
SEAL

LORI S. BROWNELL P.E.# 60025

PROJECT TITLE

FLORIDA INLAND
NAVIGATION DISTRICT
DREDGED MATERIAL
MANAGEMENT AREA DU-9
EXPANSION
ST. JOHNS COUNTY, FLORIDA

										DATE	
										REVISIONS / SUBMISSIONS	
										NO	ZONE
PROJECT NO C2014-075											
DATE JAN 2017											
DESIGNED LSB											
DRAWN AF											
CHECKED KAK											
REVIEWED JS											
SCALE AS SHOWN											
DRAWING TITLE											
PROJECT OVERVIEW AND GENERAL NOTES											
C-2											
SHEET 2 OF 15											



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10151 DEERWOOD PARK BLVD
BLDG 300, SUITE 300
JACKSONVILLE, FLORIDA 32256
(904)-731-7040

1655 PALM BEACH LAKES BLVD
SUITE 1012
WEST PALM BEACH, FL 33401
(561)-640-7310

CERTIFICATE OF AUTHORIZATION # 4815

LORI S. BROWNELL P.E.# 60025

PROJECT TITLE

FLORIDA INLAND
NAVIGATION DISTRICT
DREDGED MATERIAL
MANAGEMENT AREA DU-9
EXPANSION
ST. JOHNS COUNTY, FLORIDA

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PROJECT NO	C2014-075	B
DATE	JAN 2017	
DESIGNED	LSB	
DRAWN	AF	
CHECKED	KAK	
REVIEWED	JS	
SCALE	AS SHOWN	

DRAWING TITLE

EXISTING SITE CONDITIONS

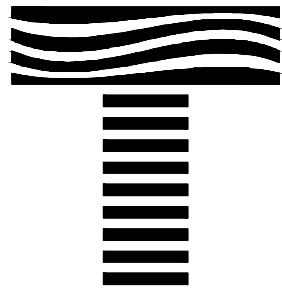
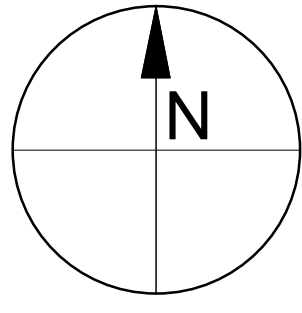
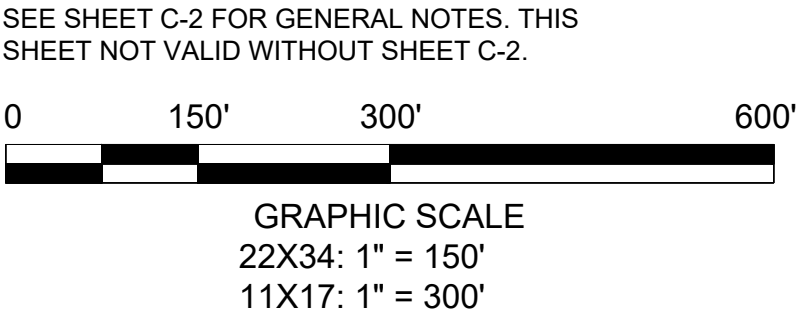
C-3

SHEET 3 OF 15

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CLEARING AND GRUBBING LIMITS TABLE		
POINT	EASTING	NORTHING
1	521701.44	2142619.67
2	521690.02	2141674.63
3	522273.85	2140773.17
4	522225.67	2140581.00
5	522179.78	2140564.14
6	522289.94	2140338.74
7	522245.35	2140321.61
8	522134.88	2140547.64
9	520941.88	2140109.35
10	520782.71	2140214.42
11	520578.39	2141607.18
12	520362.32	2142467.54
13	520455.69	2142490.07
14	520271.83	2143262.09
15	520323.50	2143347.37
16	520759.19	2143445.75
17	520822.44	2143181.76
18	521144.35	2142933.79
19	521349.53	2142625.79

NOTE: REFER TO SHEET C-2, GENERAL
NOTE NO. 13.



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DRAWN	AF
CHECKED	KAK
REVIEWED	JS
SCALE	AS SHOWN

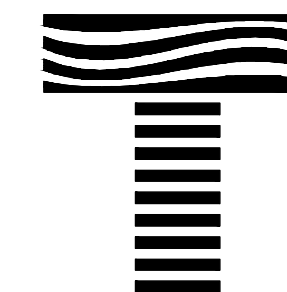
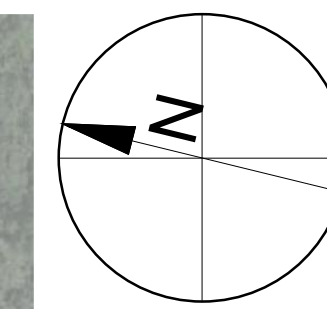
DRAWING TITLE

CLEARING AND GRUBBING
PLAN

C-4

SHEET 4 OF 15

ESTIMATED EARTHWORK QUANTITIES	
ITEM	VOLUME (CUBIC YARDS)
CUT	157,828
FILL (WITH 18% FACTOR)	141,333
NET	16,495 CUT



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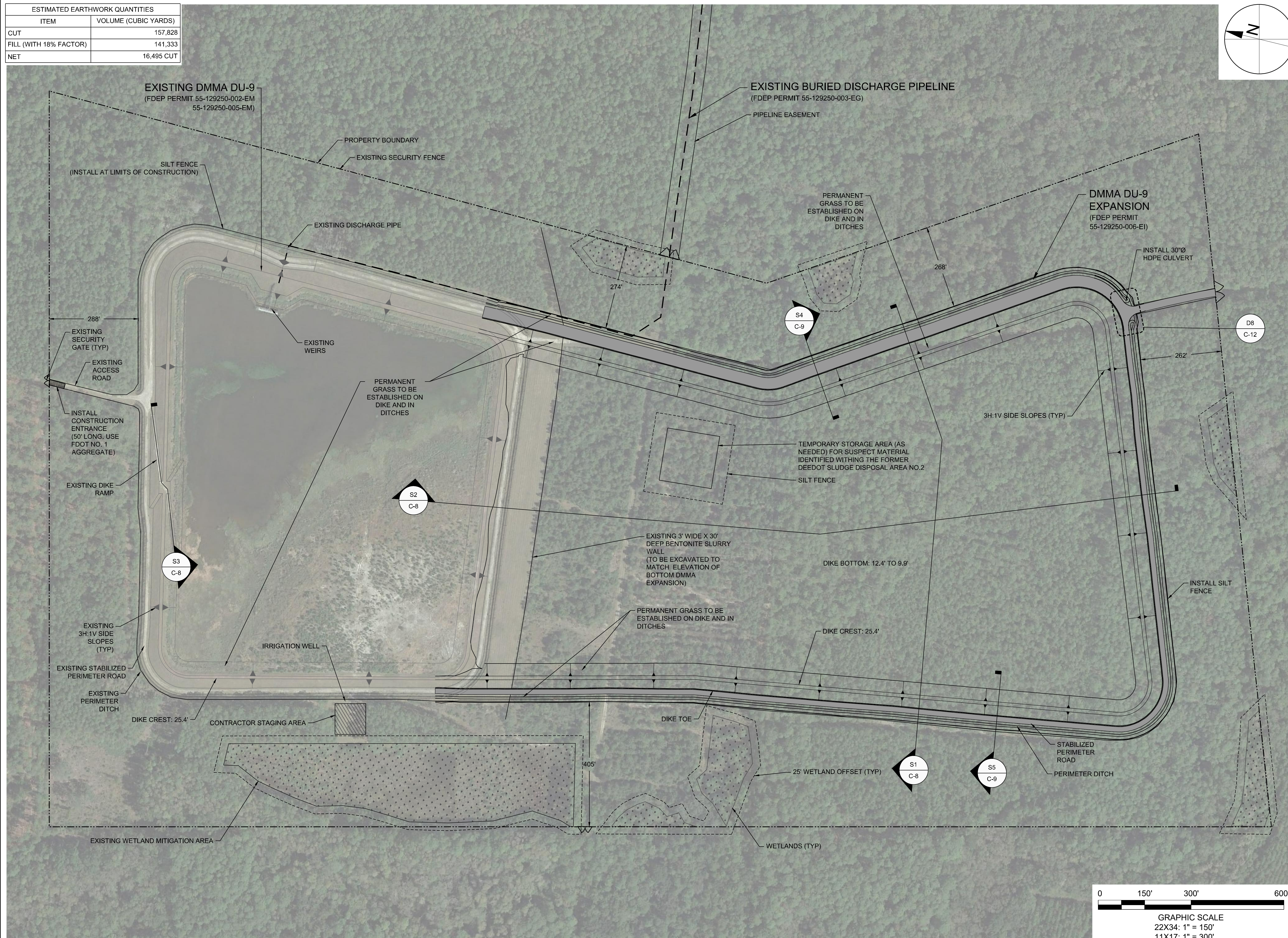
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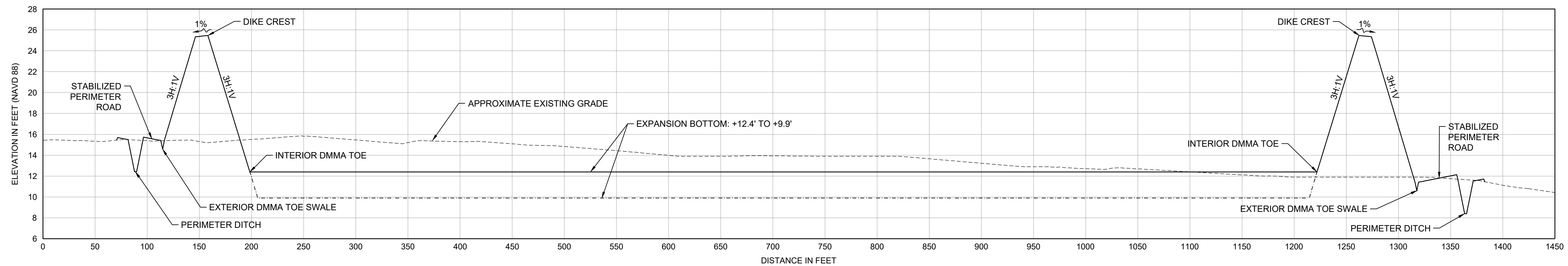
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SITE PLAN WITH AERIAL

C-5

SHEET 5 OF 15

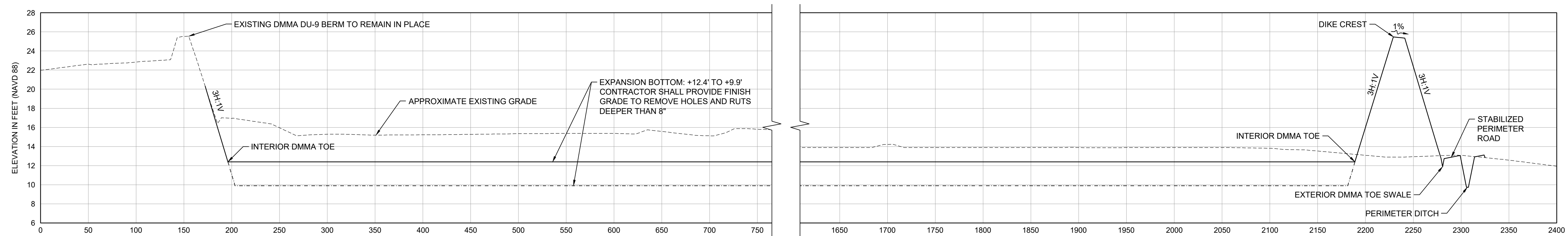




EAST-WEST SECTION

0 60' 120'

22x34: 1" = 60'
 11x17: 1" = 120'
 V-SCALE: 1" = 6' (22X34)
 V-SCALE: 1" = 12' (11X17)



S2

C-5 C-6

22x34: 1" = 60'

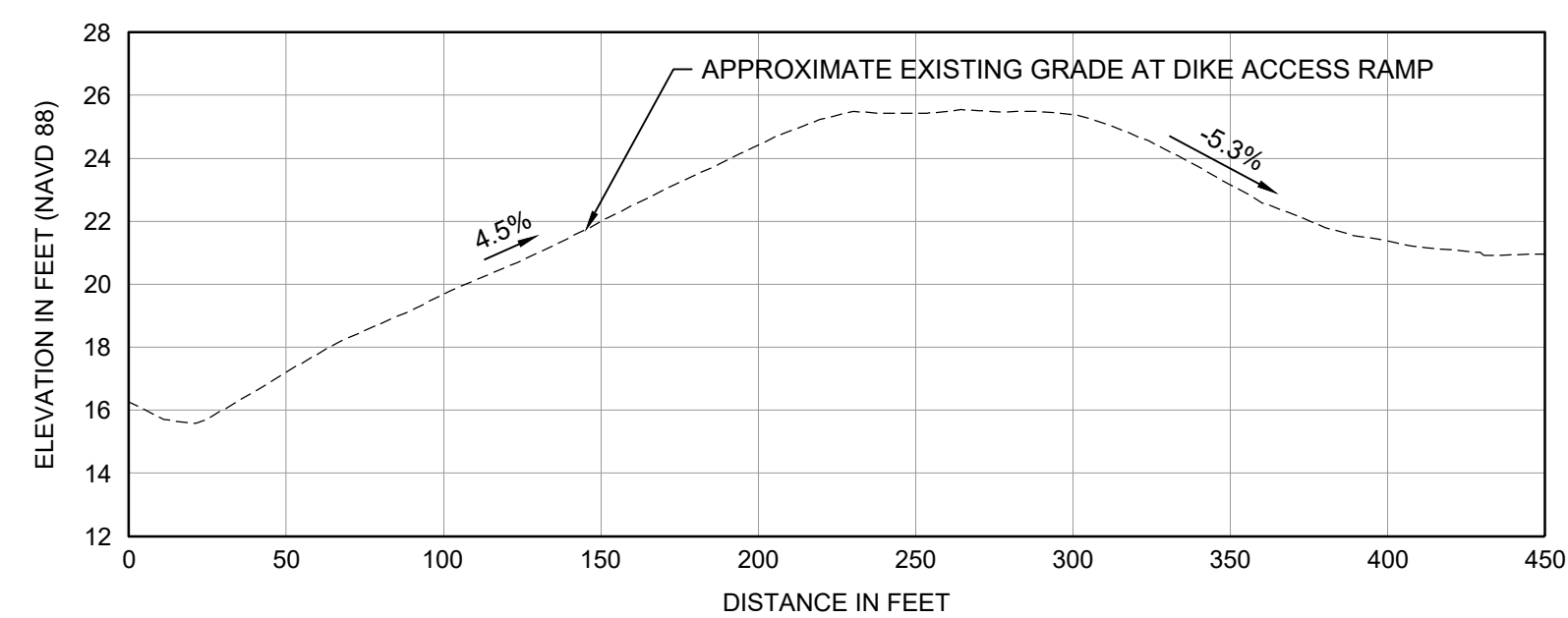
11x17: 1" = 120'

V-SCALE: 1" = 6' (22X34)

V-SCALE: 1" = 12' (11X17)

0 60' 120'

NORTH-SOUTH SECTION

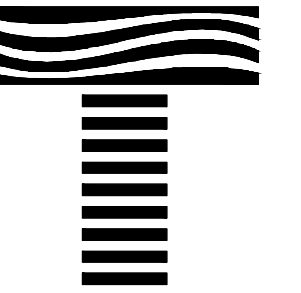


EXISTING DIKE RAMP PROFILE

S3
C-5 C-6

22x34: 1" = 60'
11x17: 1" = 120'
V-SCALE: 1" = 6' (22X34)
V-SCALE: 1" = 12' (11X17)

0 60' 120'



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SUNSHINE STATE ONE CALL OF
FLORIDA
SUNSHINE 811 - ALWAYS CALL 811
BEFORE YOU DIG
1-800-638-4097

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PROJECT NO	C2014-075	B
DATE	JAN 2017	
DESIGNED	LSB	
DRAWN	AF	
CHECKED	KAK	
REVIEWED	JS	
SCALE	AS SHOWN	

DRAWING TITLE

TYPICAL SECTIONS

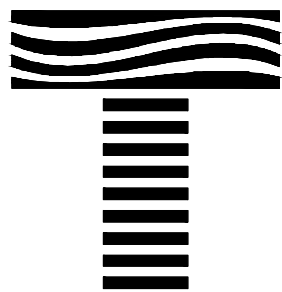
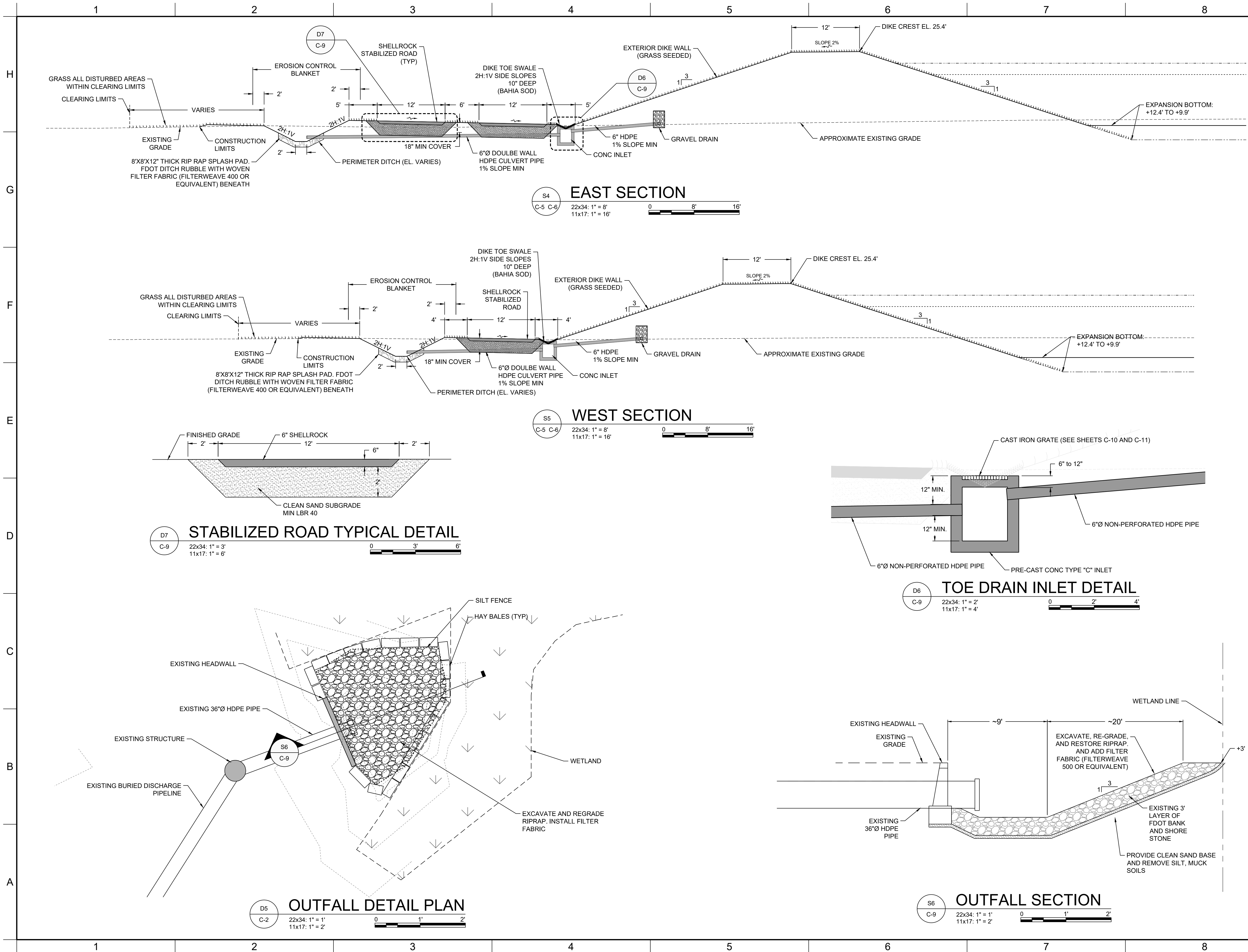
C-8

SHEET 8 OF 15

SEE SHEET C-2 FOR GENERAL NOTES. THIS SHEET NOT VALID WITHOUT SHEET C-2.

ANTON FLEWELLING, 1/4/2017 1:13:09 PM, X:\sys\Projects\c2014-075_DU9_Permit\Construction\c2014-075-C-Dike Sections Long.dwg

ANTON FLEWELLING, 1/4/2017 1:13:13 PM, X:\a\Projects\2014-075_DUG_Permit\Construction\2014-075-C-Dike Typical Sections.dwg



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ST. JOHNS COUNTY, FLORIDA

										DATE
										REVISIONS / SUBMISSIONS
										NO
										ZONE

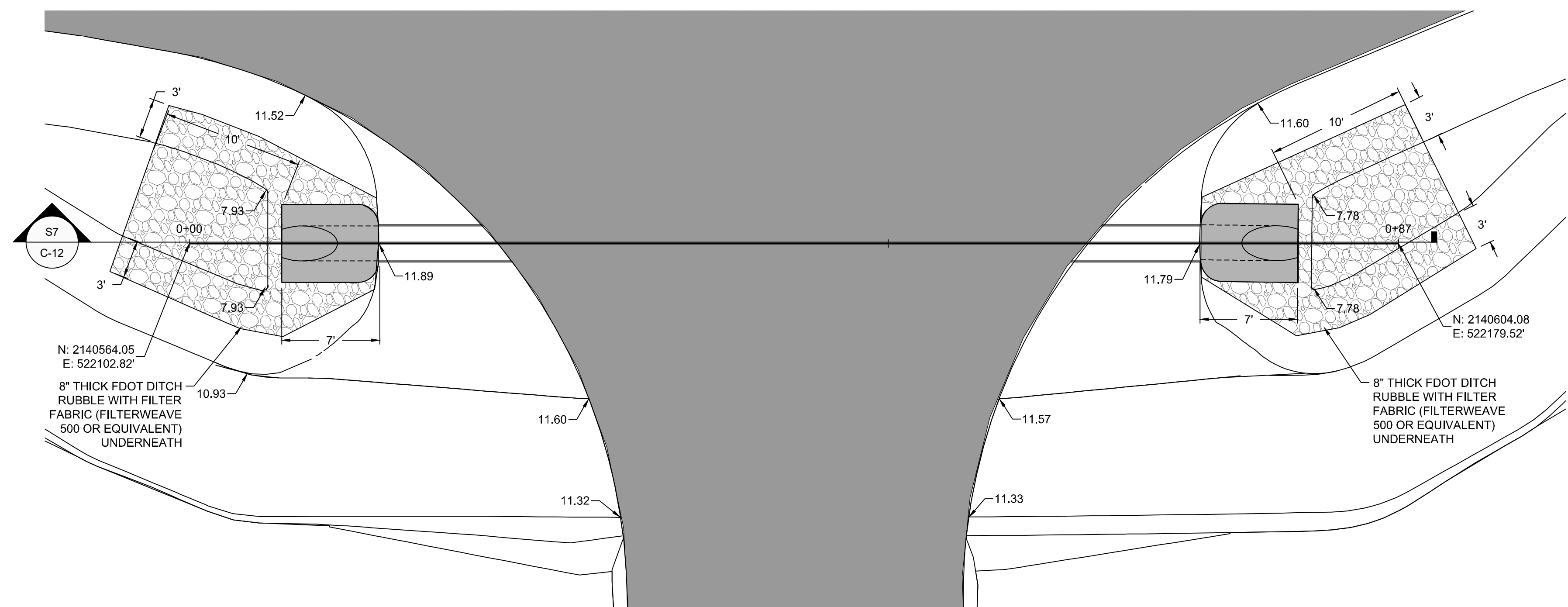
PROJECT NO	C2014-075
DATE	JAN 2017
DESIGNED	LSB
DRAWN	AF
CHECKED	KAK
REVIEWED	JS
SCALE	AS SHOWN

DRAWING TITLE

TYPICAL SECTIONS

C-9

SHEET 9 OF 15

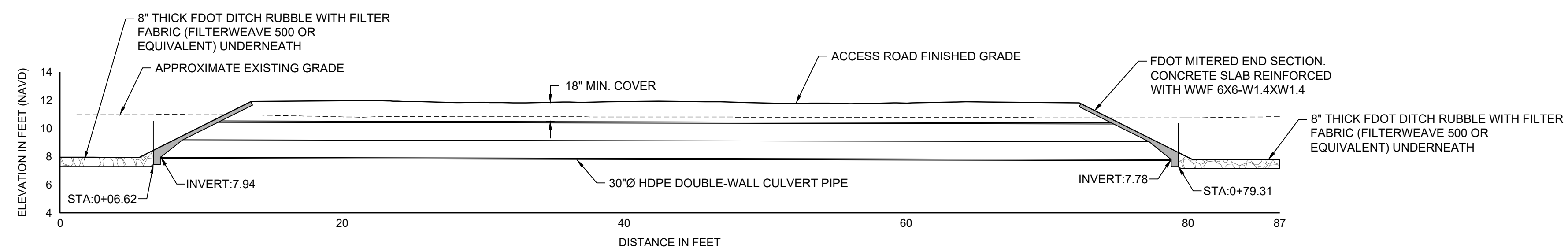


SOUTH ACCESS ROAD CULVERT PLAN

D8
C-6

22x34: 1" = 6"
11x17: 1" = 12'

0 6' 12'

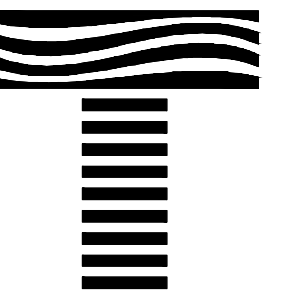


SOUTH ACCESS ROAD CULVERT SECTION

S7
C-12

22x34: 1" = 6"
11x17: 1" = 12'

0 6' 12'



TAYLOR ENGINEERING INC.

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(904)-731-7040

1655 PALM BEACH LAKES BLVD
SUITE 1012
WEST PALM BEACH, FL 33401
(561)-640-7310

CERTIFICATE OF AUTHORIZATION # 4815

SEAL

LORI S. BROWNELL P.E.# 60025

PROJECT TITLE

FLORIDA INLAND
NAVIGATION DISTRICT
DREDGED MATERIAL
MANAGEMENT AREA DU-9
EXPANSION
ST. JOHNS COUNTY, FLORIDA

SUNSHINE STATE ONE CALL OF
FLORIDA
SUNSHINE 811 - ALWAYS CALL 811
BEFORE YOU DIG
1-800-638-4097

[illegible]

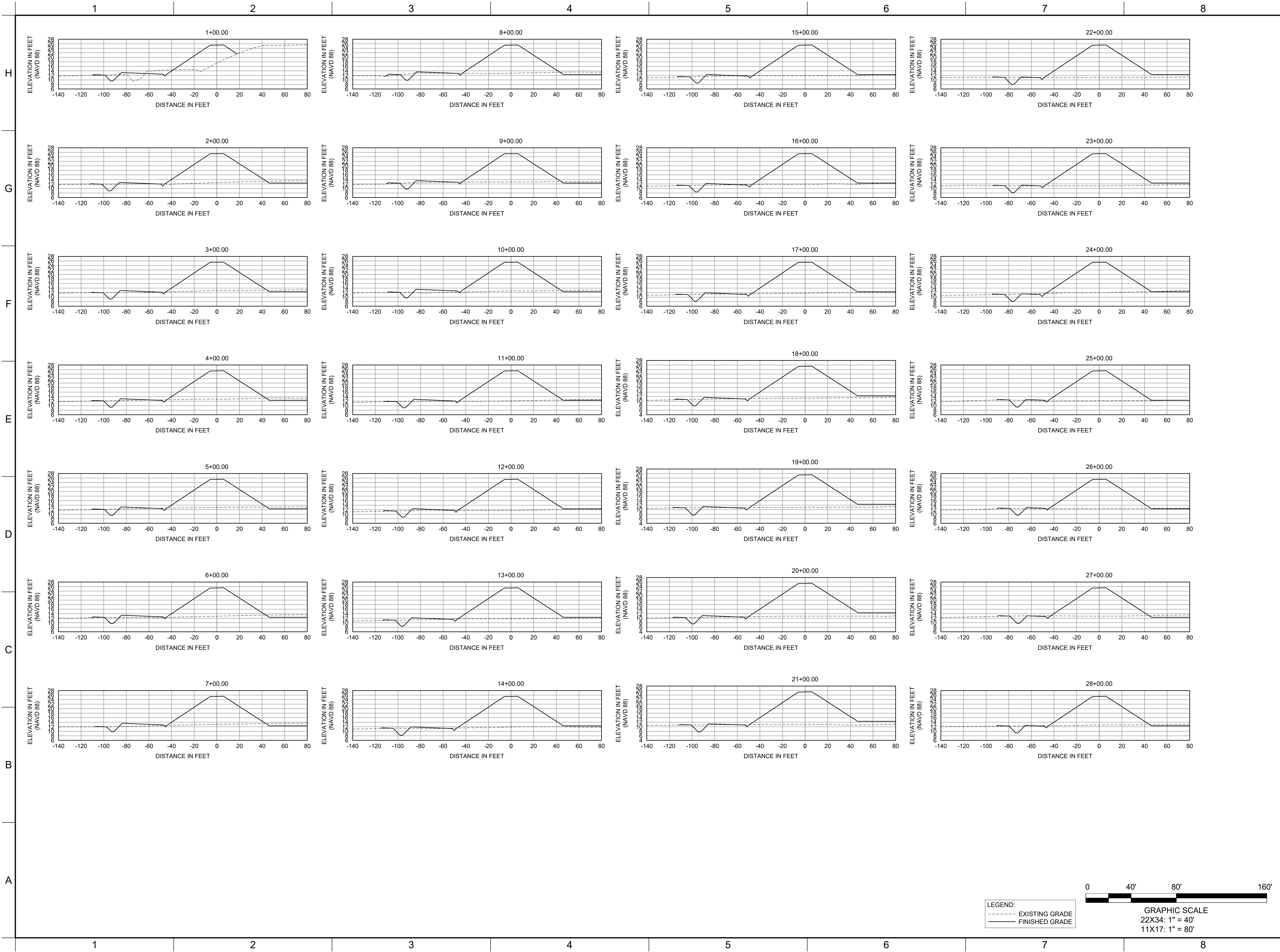
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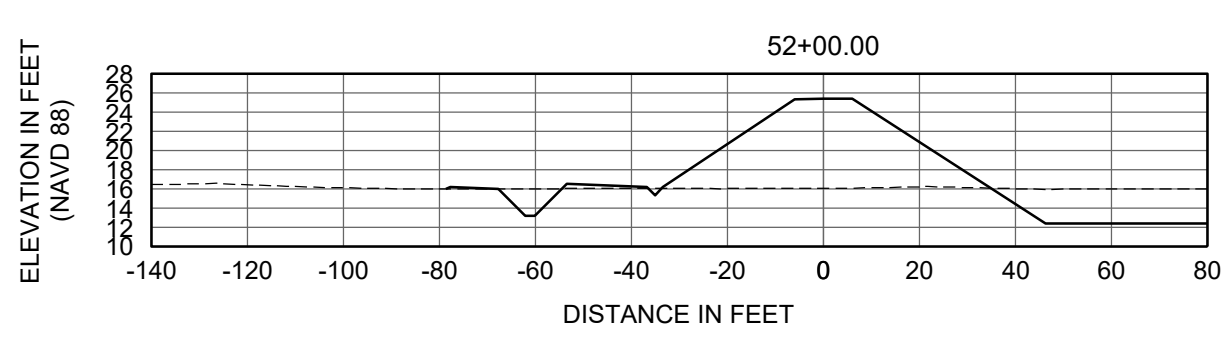
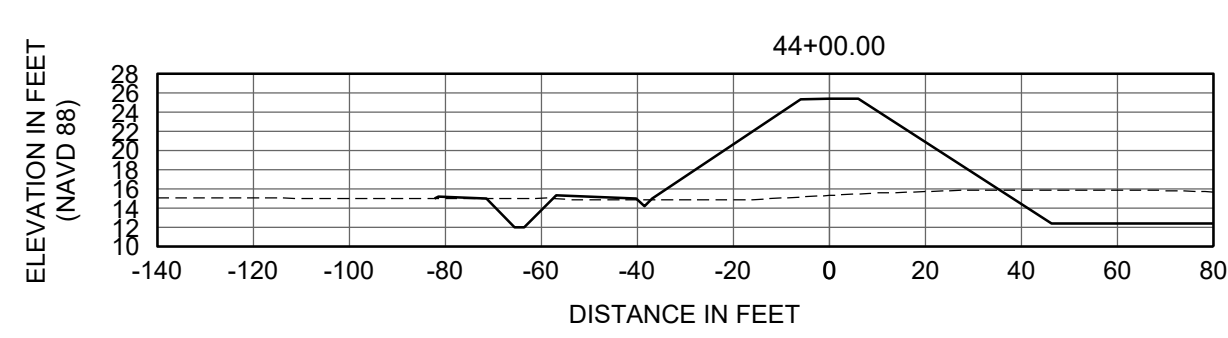
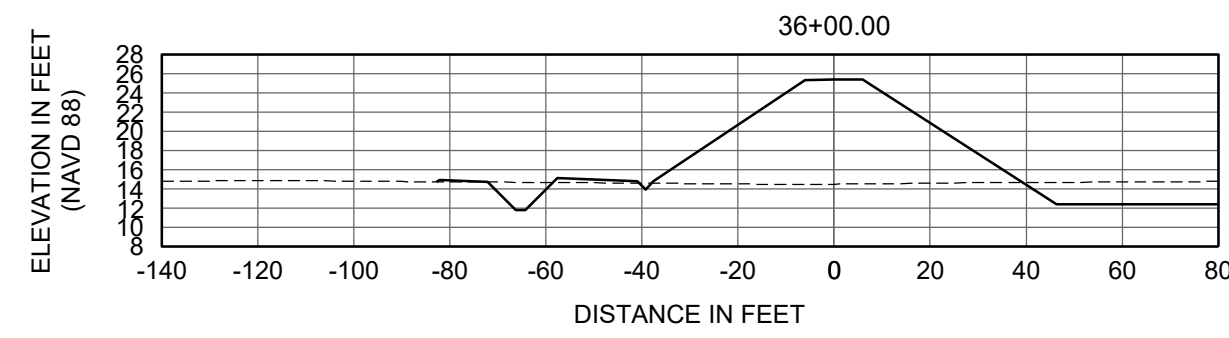
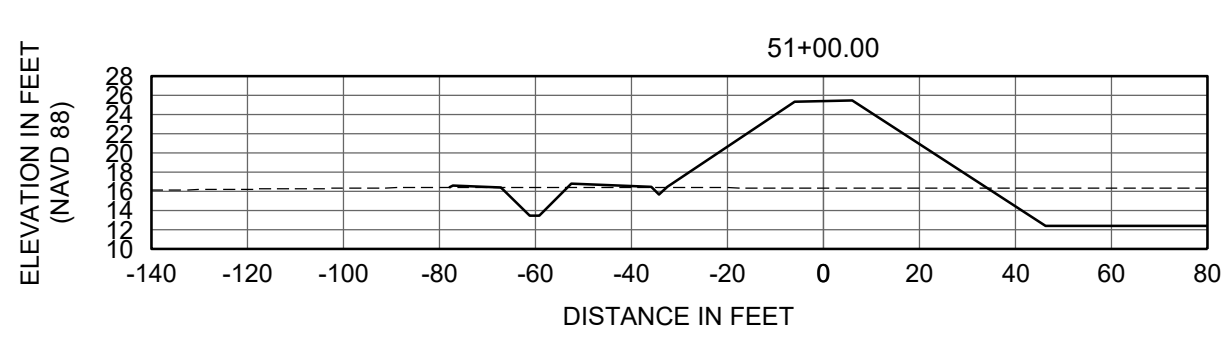
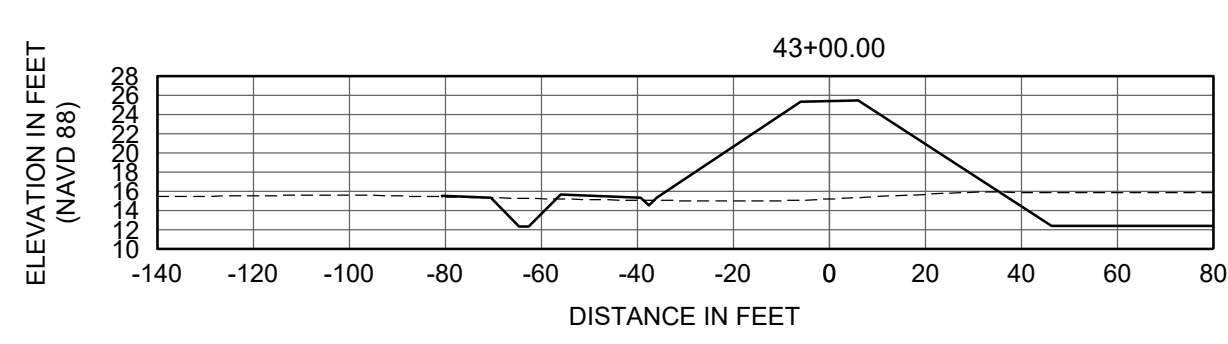
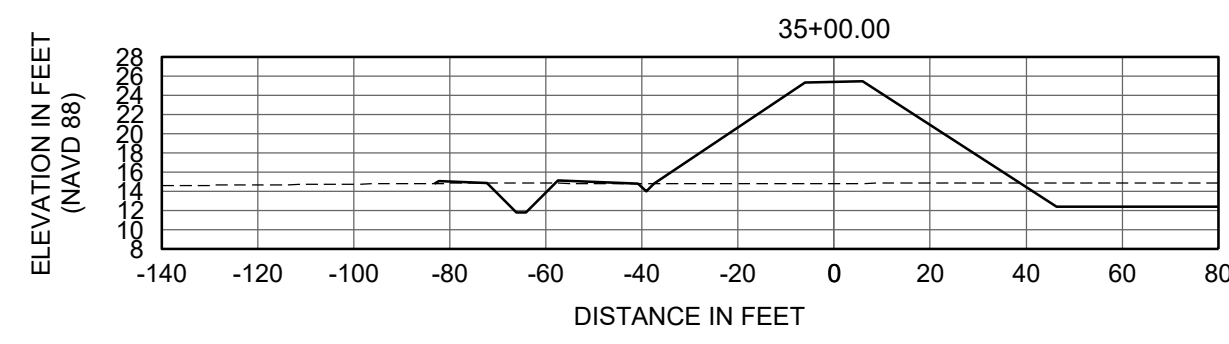
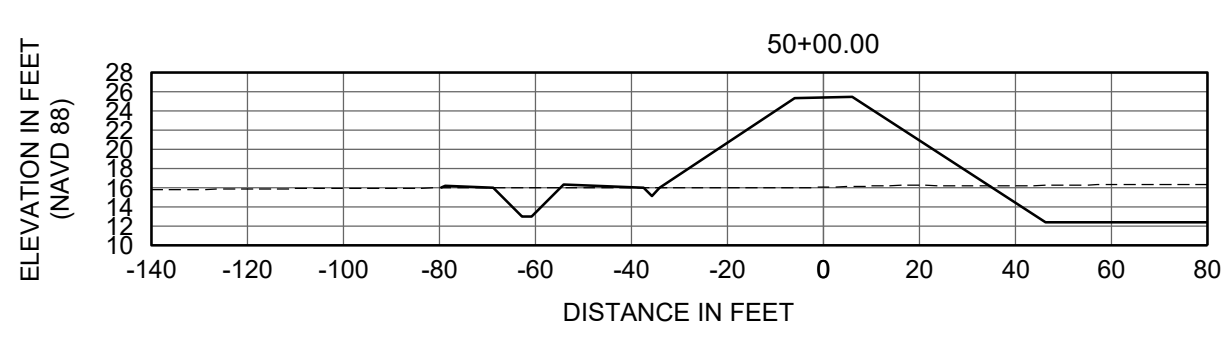
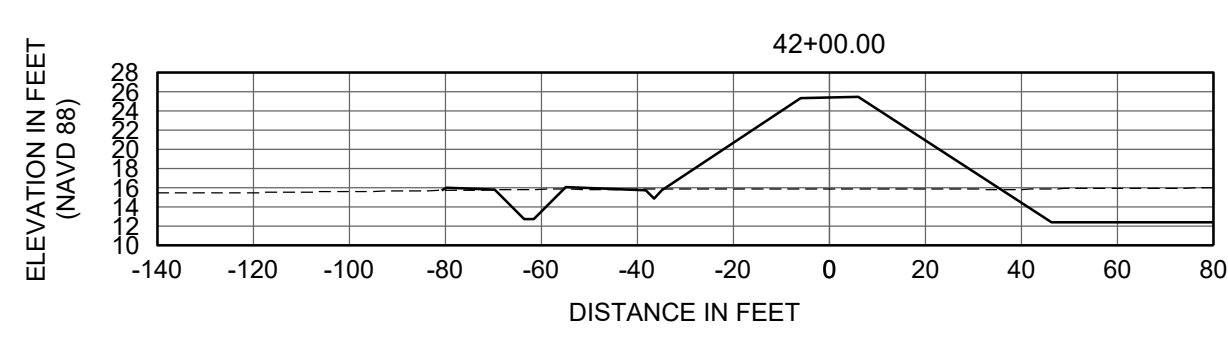
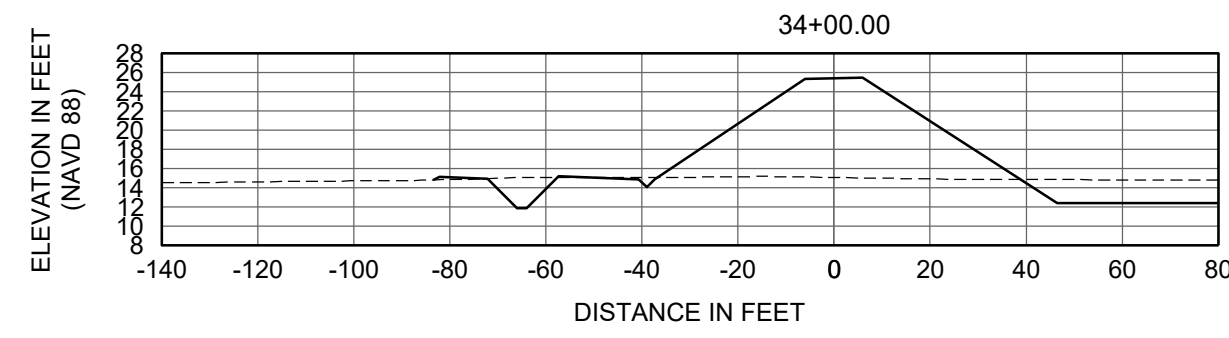
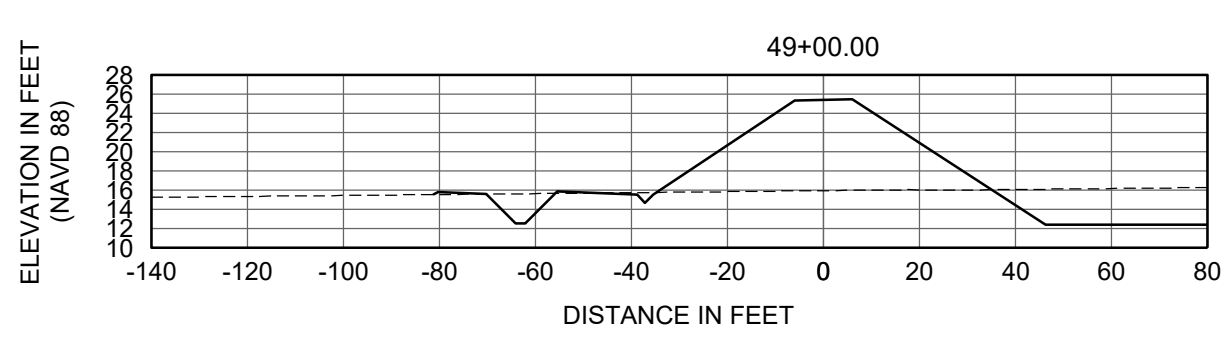
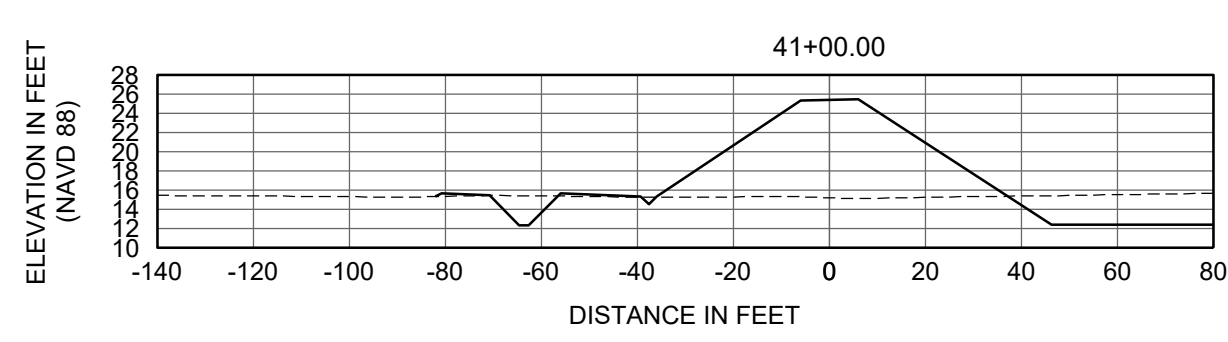
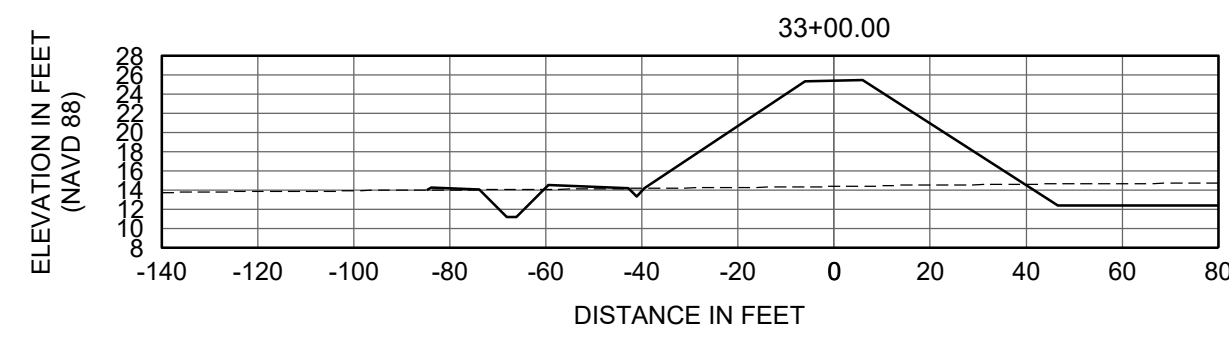
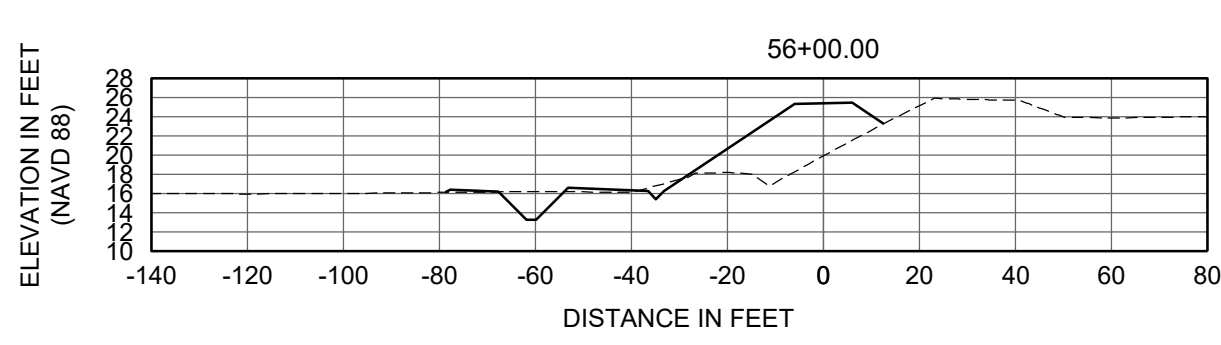
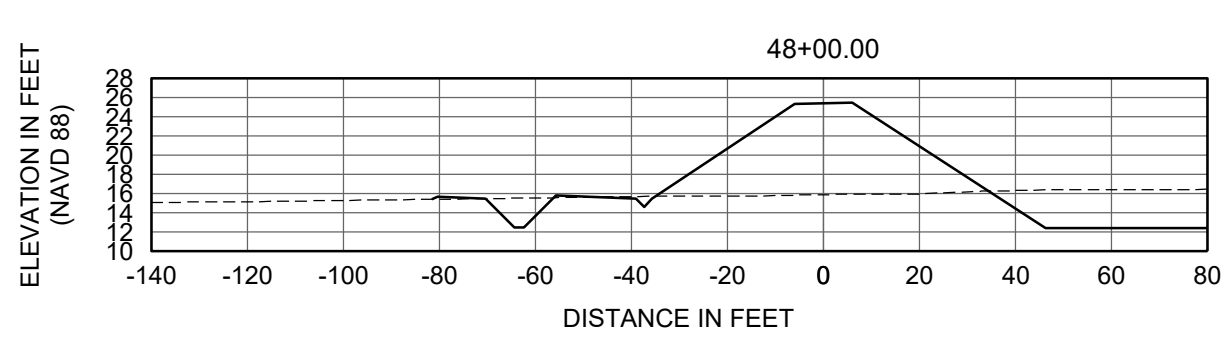
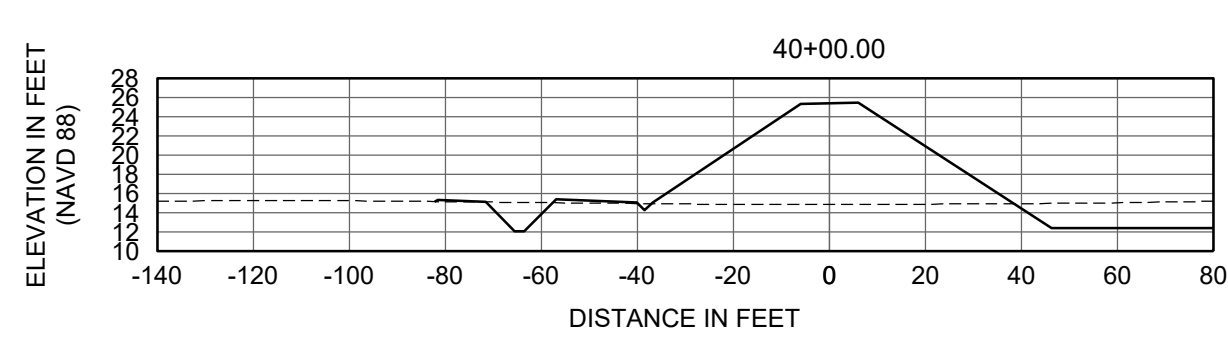
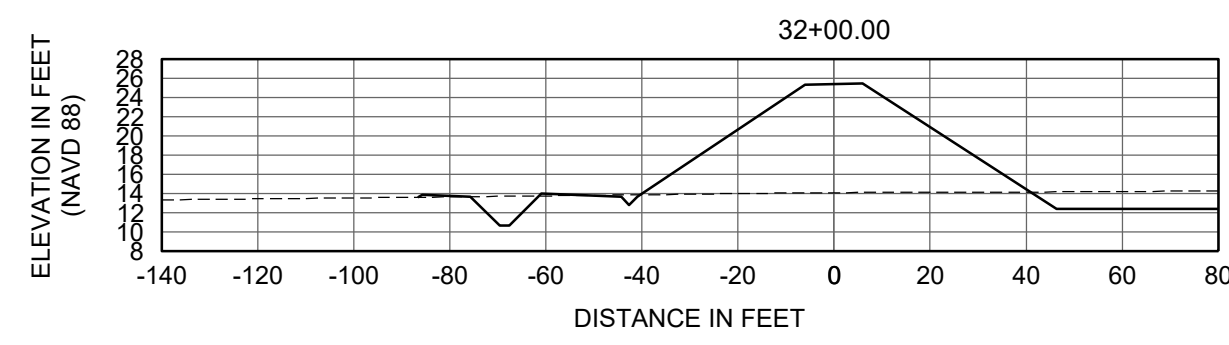
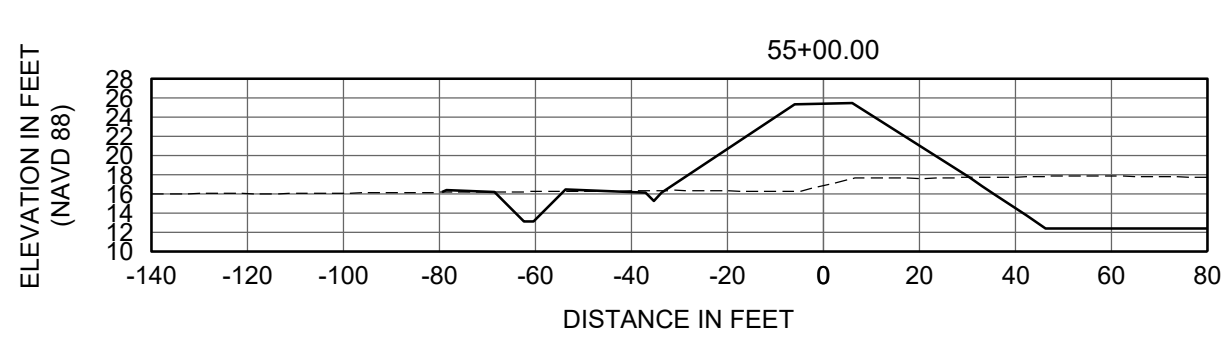
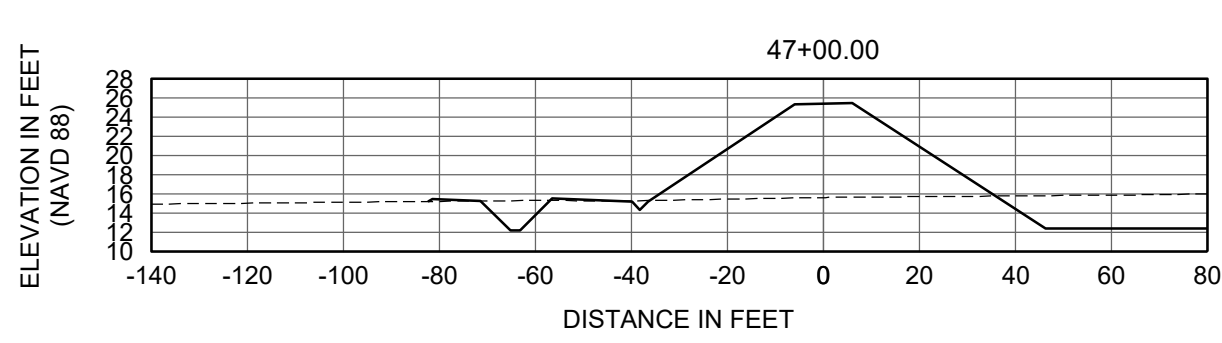
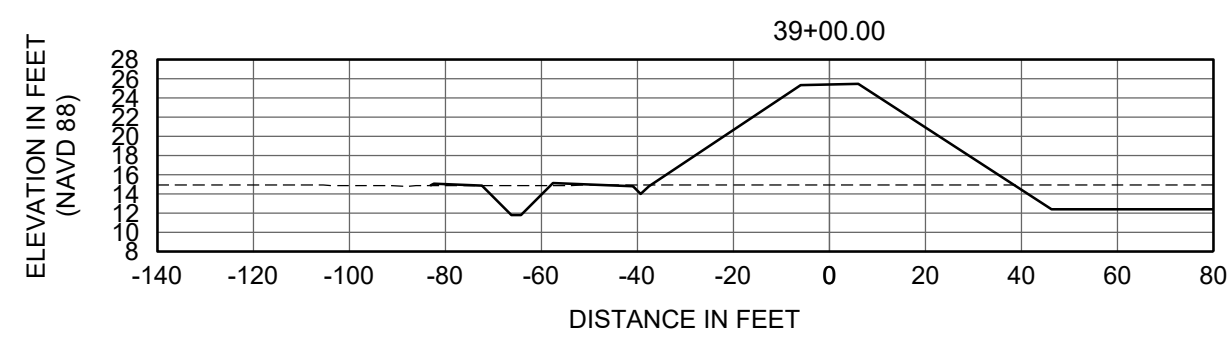
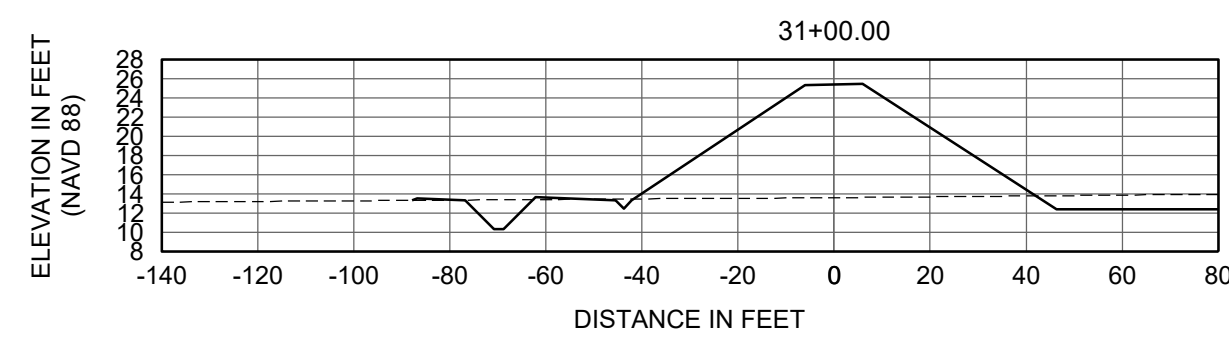
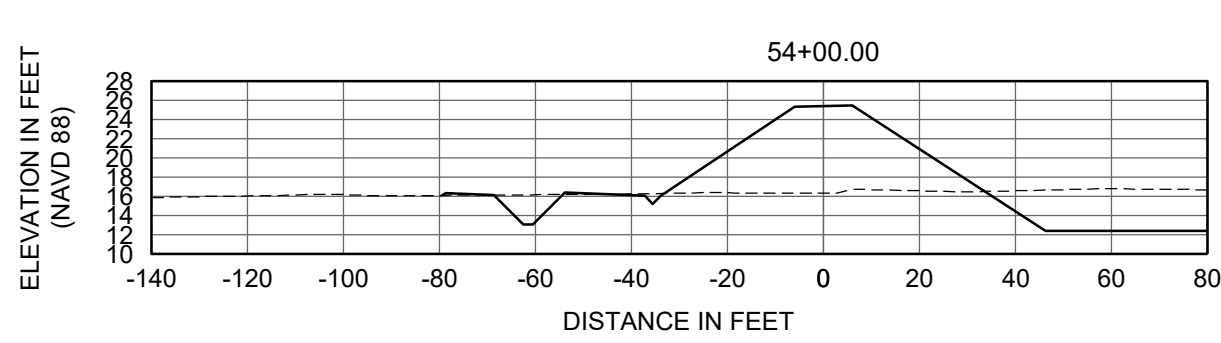
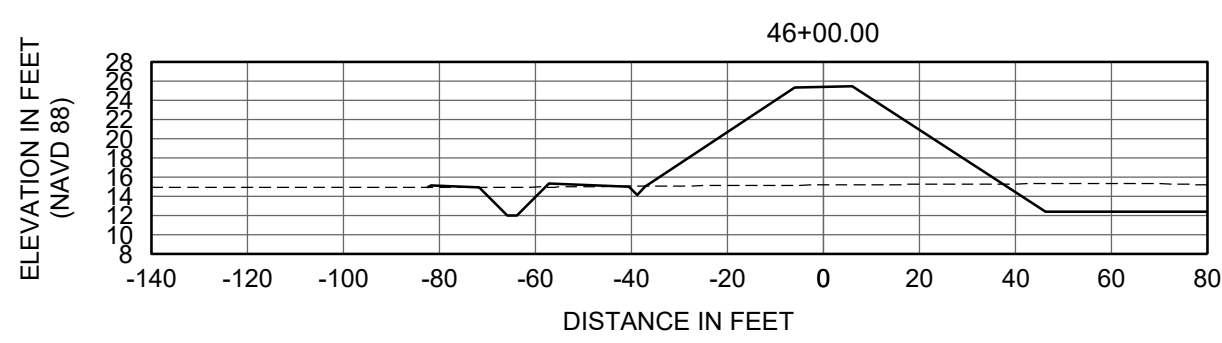
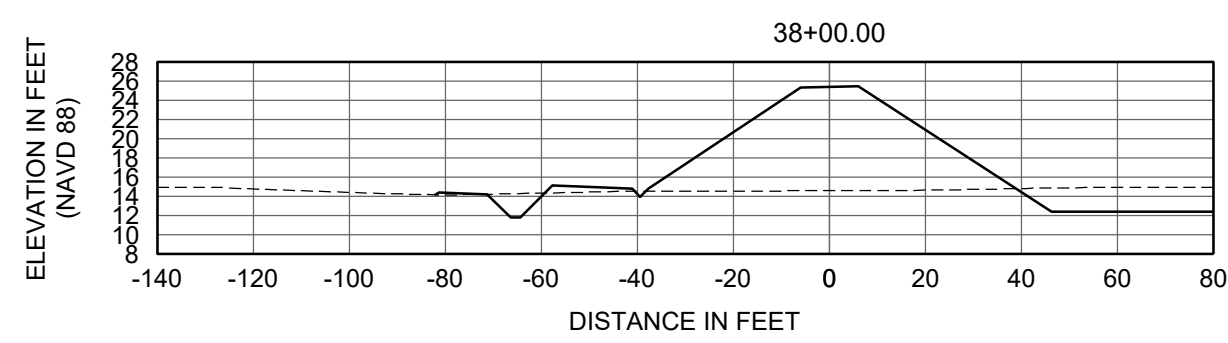
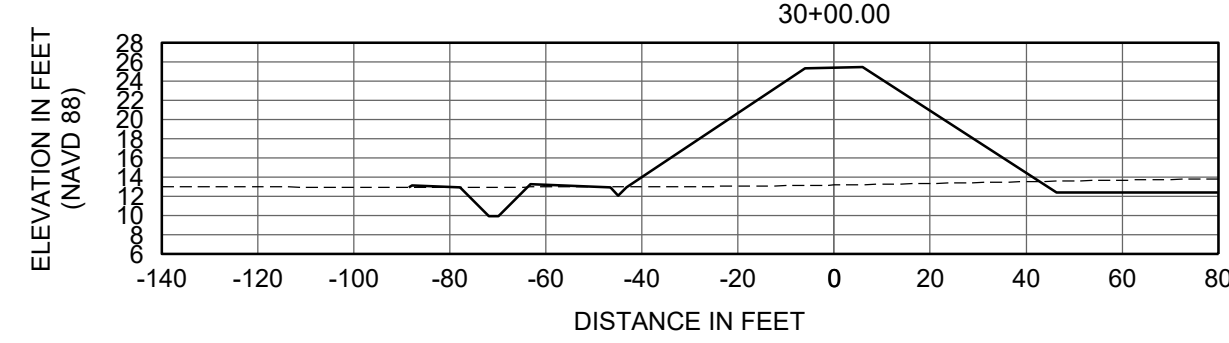
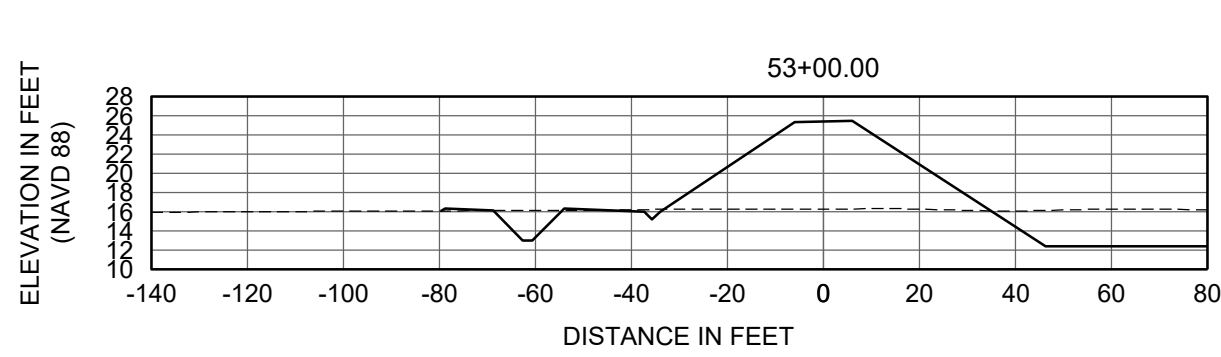
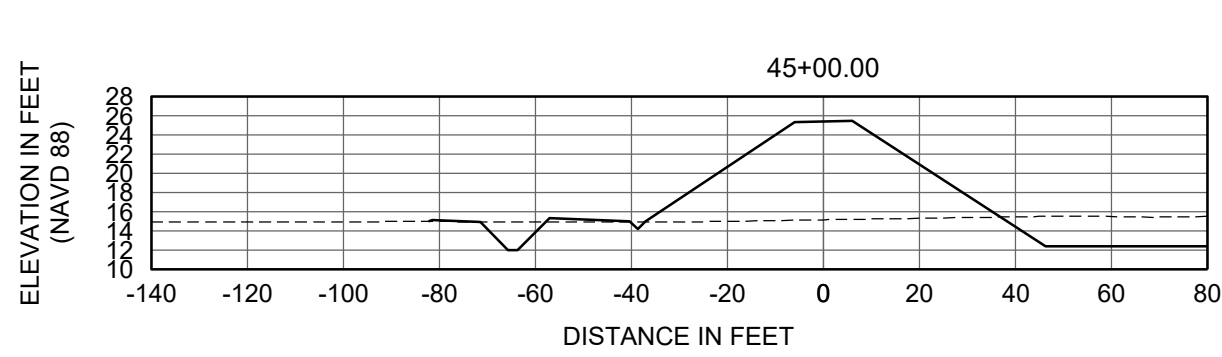
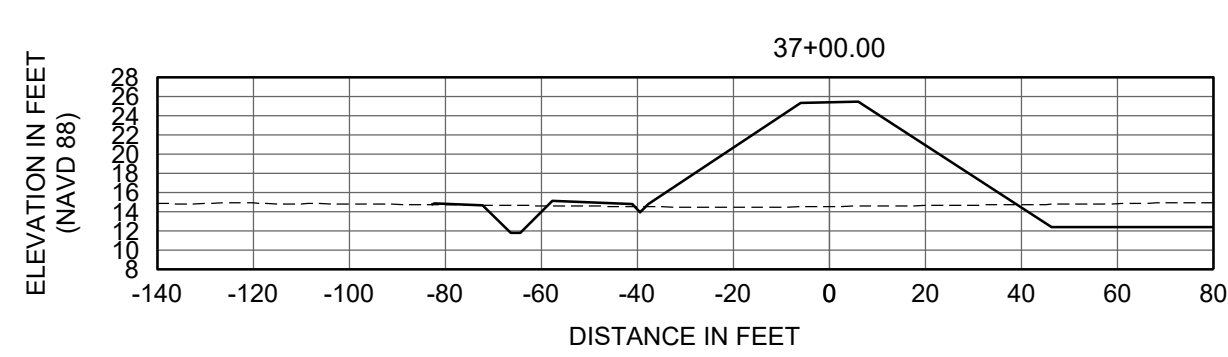
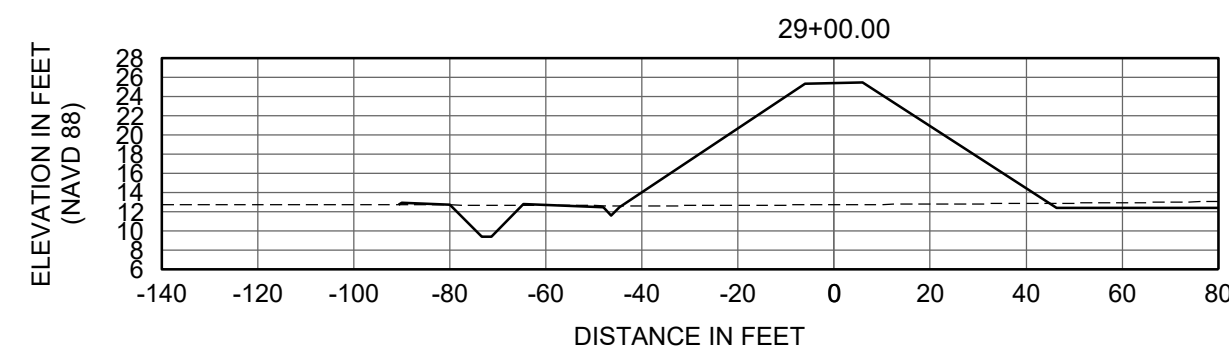
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ACCESS ROAD CULVERT
PLAN AND CROSS-SECTION

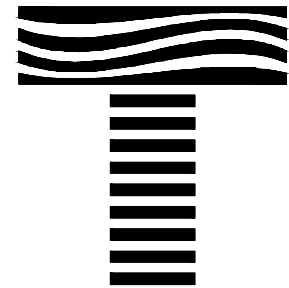
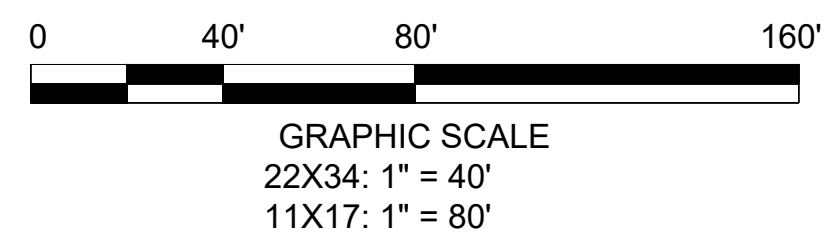
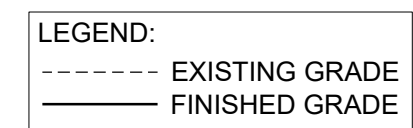
C-12

SHEET 12 OF 15





ANTON FLEWELLING, 1/4/2017 1:14:24 PM, X:\sys\Projects\c2014-075_DU9_Permit\Construction\c2014-075-C-Dike Sections.dwg



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ST. JOHNS COUNTY, FLORIDA

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REVIEWED	JS
SCALE	AS SHOWN

DRAWING TITLE

CROSS-SECTIONS

C-14

SHEET 14 OF 15



DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



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EXPANSION
ST. JOHNS COUNTY, FLORIDA

DATA

EROSION CONTROL DETAILS

C-15

SHEET 15 OF 15