

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

UPPER ST. JOHNS RIVER BASIN

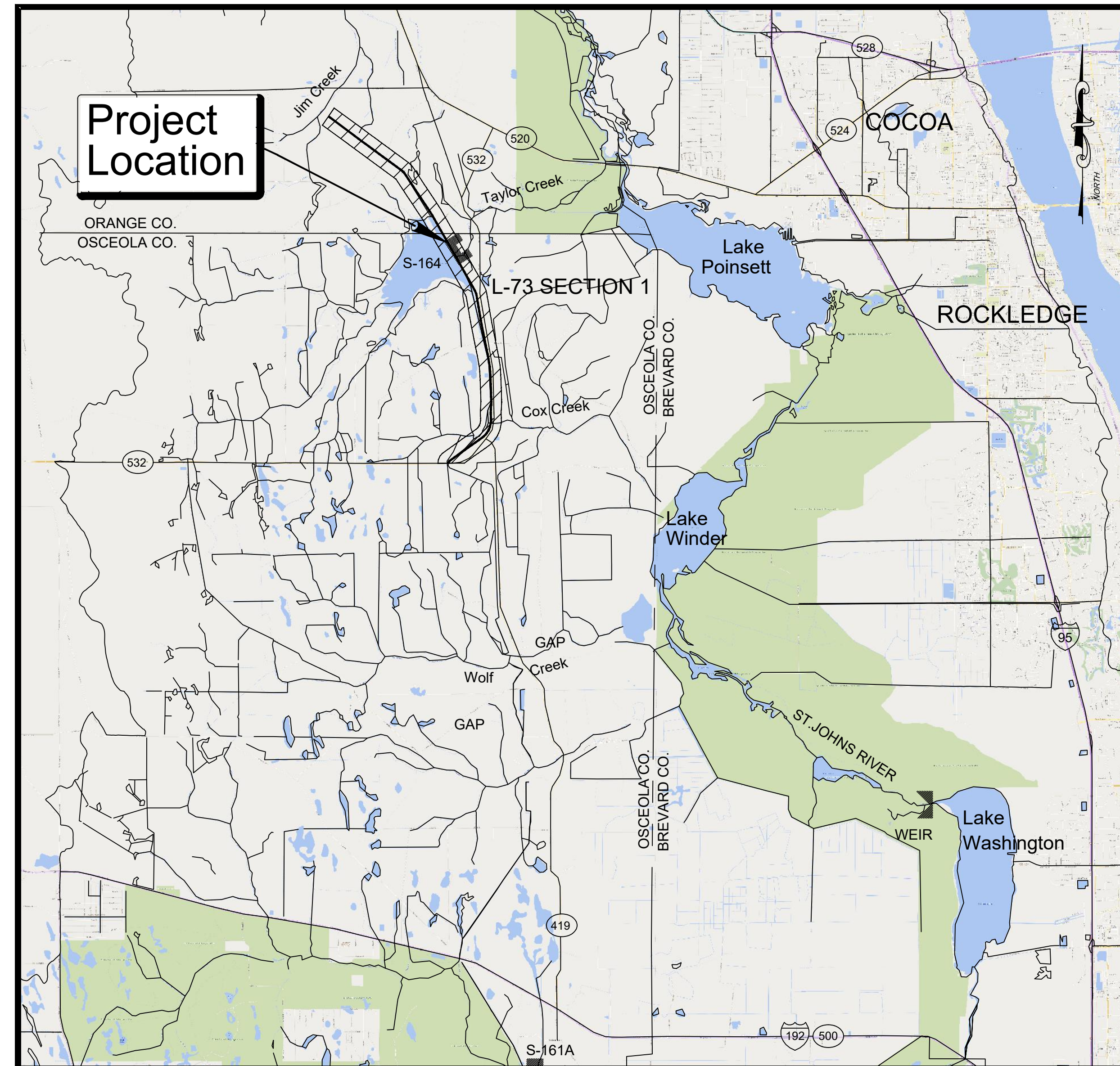
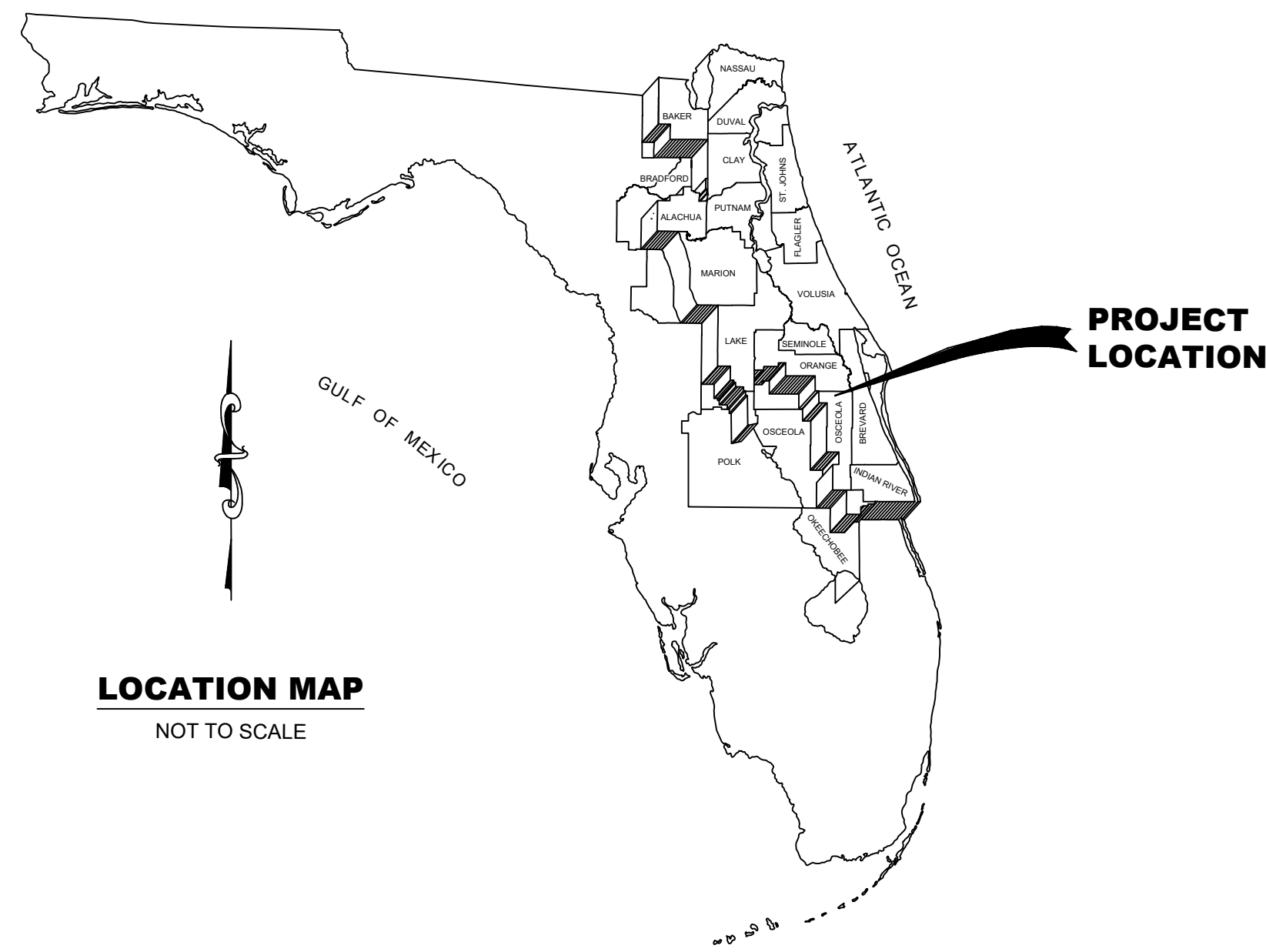
TAYLOR CREEK RESERVOIR IMPROVEMENTS

ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA



NAVD 1988

ALL ELEVATIONS DEPICTED HEREIN
REFERENCE NAVD 1988 UNLESS
OTHERWISE NOTED. THE CONVERSION
FACTOR TO NGVD 1929 IS +1.26.



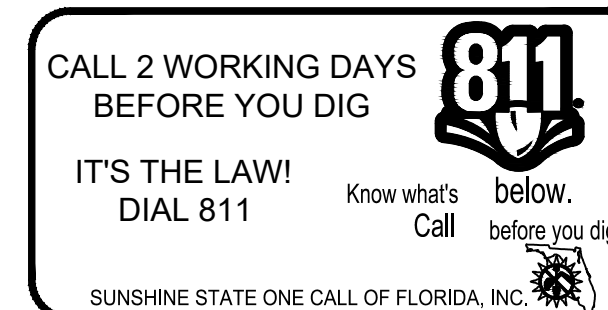
VICINITY MAP

INDEX OF PLANS	
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C2	OVERALL PROJECT PLAN
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C7	LEVEE SECTION STA. 191+05 AND 215+00
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C10	LEVEE SECTION STA. 419+00 AND 440+00
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C43	CROSS SECTIONS STA 30+00.00 - 48+00.00
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C45	CROSS SECTIONS STA 70+00.00 - 88+00.00
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C47	CROSS SECTIONS STA 110+00.00 - 128+00.00
C48	CROSS SECTIONS STA 130+00.00 - 148+00.00
C49	CROSS SECTIONS STA 150+00.00 - 164+00.00
C50	CROSS SECTIONS STA 166+00.00 - 172+00.00
C51	CROSS SECTIONS STA 174+00.00 - 180+00.00
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C53	CROSS SECTIONS STA 190+00.00 - 196+00.00
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C56	CROSS SECTIONS STA 214+00.00 - 228+00.00
C57	CROSS SECTIONS STA 230+00.00 - 248+00.00
C58	CROSS SECTIONS STA 250+00.00 - 268+00.00
C59	CROSS SECTIONS STA 270+00.00 - 288+00.00
C60	CROSS SECTIONS STA 290+00.00 - 308+00.00
C61	CROSS SECTIONS STA 310+00.00 - 328+00.00
C62	CROSS SECTIONS STA 330+00.00 - 348+00.00
C63	CROSS SECTIONS STA 350+00.00 - 368+00.00
C64	CROSS SECTIONS STA 370+00.00 - 388+00.00
C65	CROSS SECTIONS STA 390+00.00 - 408+00.00
C66	CROSS SECTIONS STA 410+00.00 - 428+00.00
C67	CROSS SECTIONS STA 430+00.00 - 448+00.00
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S1	EXISTING S-164 SITE GRADE
S2	EXISTING STRUCTURE PLAN
S3	EXISTING STRUCTURE SECTION
S4	EXISTING UPSTREAM ELEVATION
S5	EXISTING DOWNSTREAM ELEVATION
S6	STRUCTURE PLAN
S7	STRUCTURE SECTION
S8	UPSTREAM ELEVATION
S9	DOWNSTREAM SECTION

ENGINEER'S NOTES:

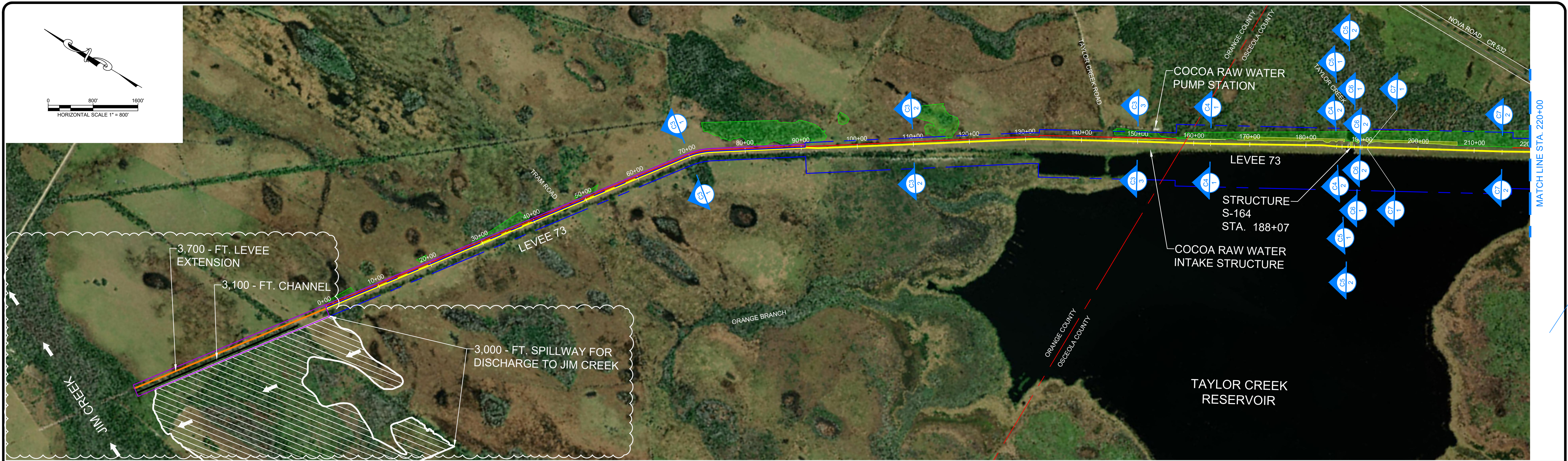
- These drawings are prepared for the sole and exclusive use of the St. Johns River Water Management District and shall not be relied upon by any other entity or individual.
- Reproductions of these drawings are "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED ENGINEER."

NO.	REVISION	BY	DATE	APPROVED	DATE



**FOR REVIEW ONLY
NOT FOR CONSTRUCTION**

CERTIFICATION:	DRAWING FILENAME:
WILLIAM R. COTE	TCRI COVER.dwg
P.E. NUMBER: 53746	SHEET:
DATE: JANUARY 19, 2023	C1



- LEGEND:**
- EXISTING L-73 BL 8.66 MILES
 - 3,700 L.F. LEVEE EXTENSION
 - EXISTING NOVA ROAD CR-532 RW
 - EXISTING L-73 RW
 - PROPOSED ADDITIONAL L-73 RW
 - PROPOSED DOWNSTREAM LEVEE TOE
 - 3,000 - FT. SPILLWAY FOR DISCHARGE TO JIM CREEK
 - EXISTING WETLANDS
 - AFFECTED WETLANDS (11.23 ACRES)
 - FLOW DIRECTION
 - # SHEET NUMBER
 - 1 SECTION NUMBER

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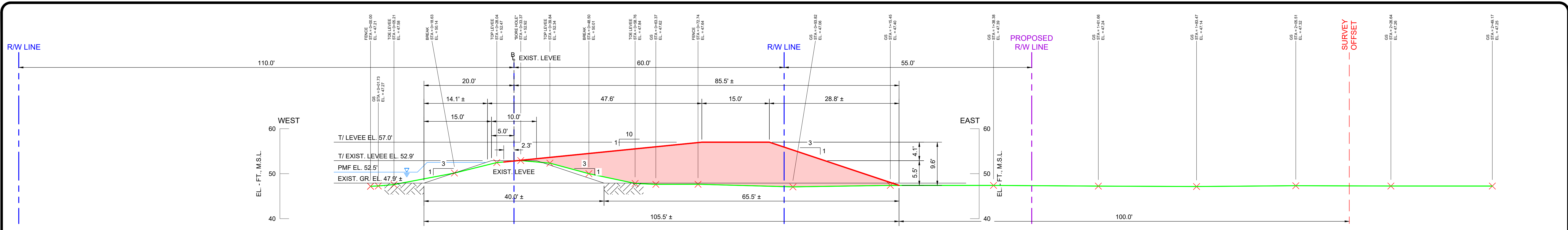
**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G.	DATE: JANUARY 19, 2023	REVIEWER: W.R.C.
SCALE: 1" = 800'	DESIGNER: W.R.C.	SECTION CHIEF: W.R.C.

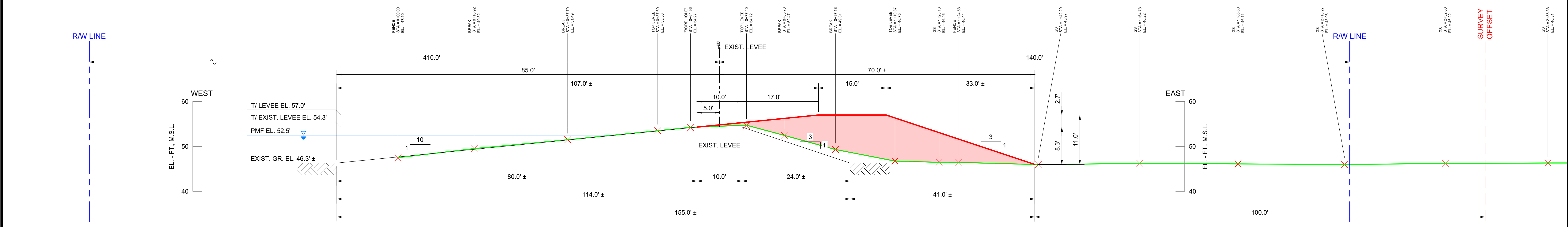
OVERALL PROJECT PLAN

CERTIFICATION:
 WILLIAM R. COTE
 P.E. NUMBER: 53746
 DATE: JANUARY 19, 2023

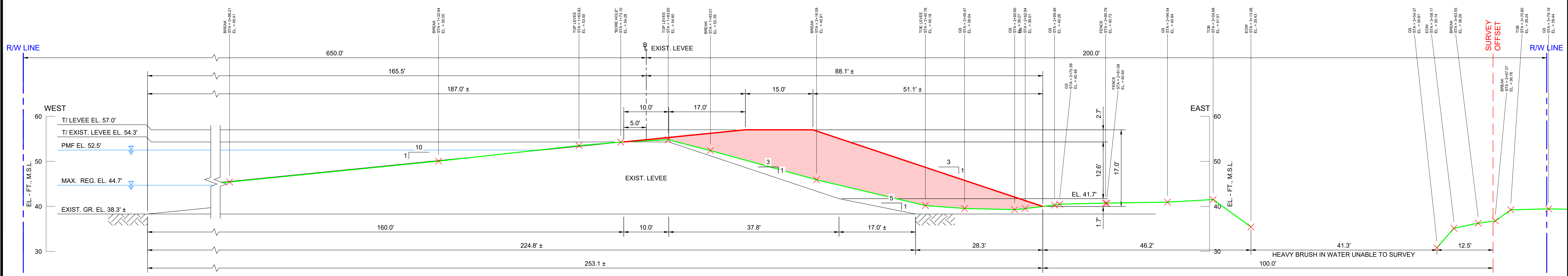
FILE NAME:
TCRI OVER.dwg
 PROJECT NO.:
 SHEET:
C2



C3
1
LEVEE SECTION STA 70+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"

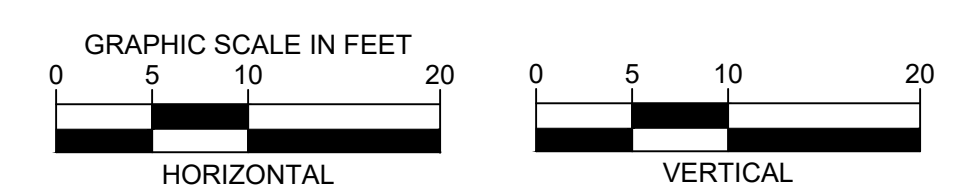


C3
2
LEVEE SECTION STA 110+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"



C3
3
LEVEE SECTION STA 150+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"

- LEGEND:**
- CUT
 - FILL
 - EXISTING L-73 R/W
 - PROPOSED ADDITIONAL L-73 LEVEE R/W
 - EXIST. LEVEE
 - USACE DESIGN GRADE
 - EXISTING GRADE
 - PROPOSED GRADE
 - SURVEY OFFSET



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SCALE: AS NOTED	DESIGNER: W.R.C.	SECTION CHIEF: W.R.C.

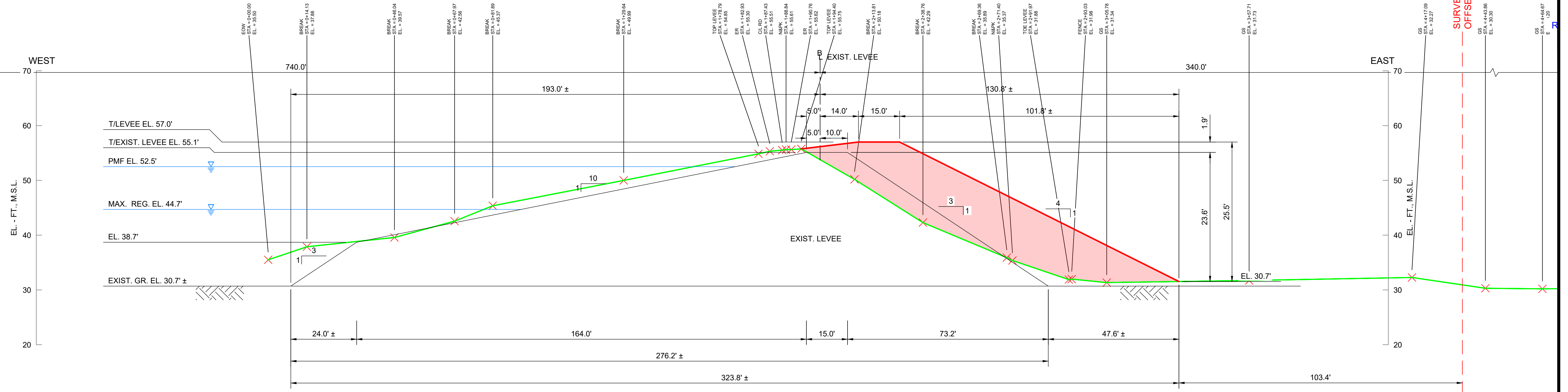
LEVEE SECTION STA. 70+00, 110+00, AND 150+00

CERTIFICATION:

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 DATE: JANUARY 19, 2023

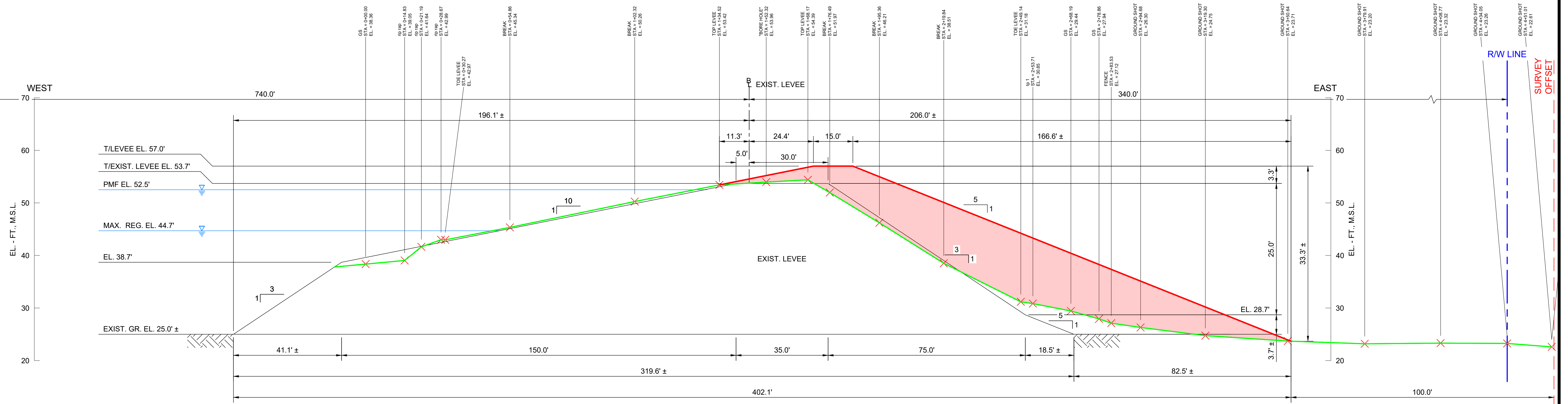
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 PROJECT NO.:
 SHEET:
C3

RW LINE



C4
1 LEVEE SECTION STA 163+00
SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 10'-0"

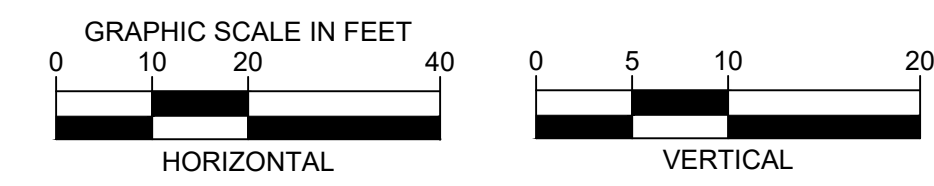
RW LINE



C4
2 LEVEE SECTION STA 185+50
SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 10'-0"

LEGEND:

- CUT
- FILL
- EXISTING L-73 RW
- PROPOSED ADDITIONAL L-73 LEVEE RW
- EXIST. LEVEE
- USACE DESIGN GRADE
- EXISTING GRADE
- PROPOSED GRADE
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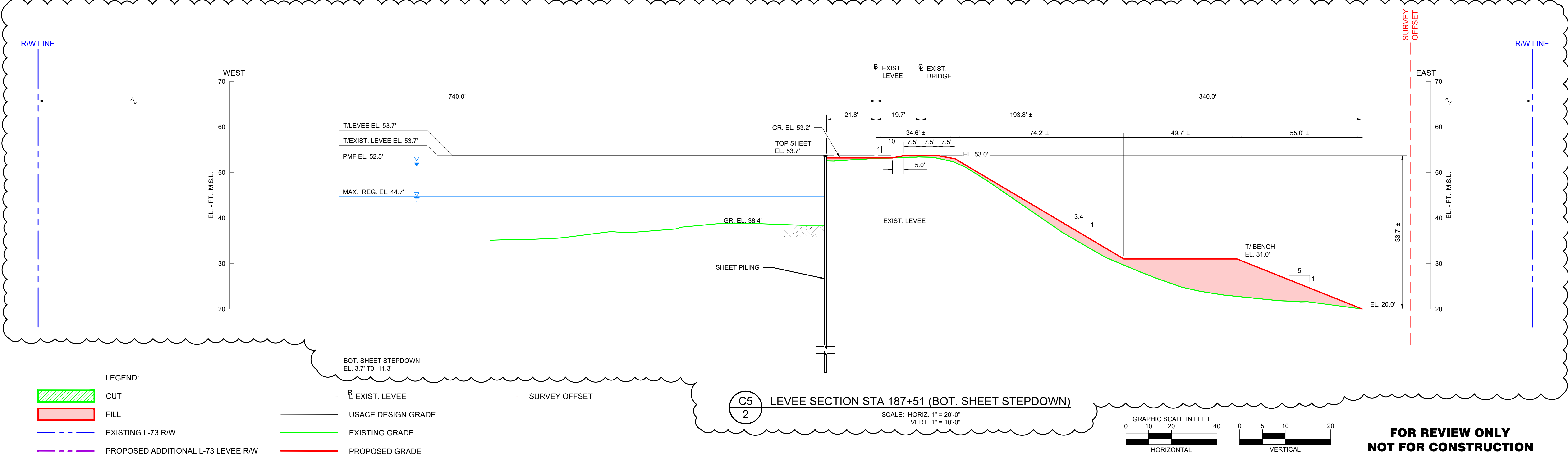
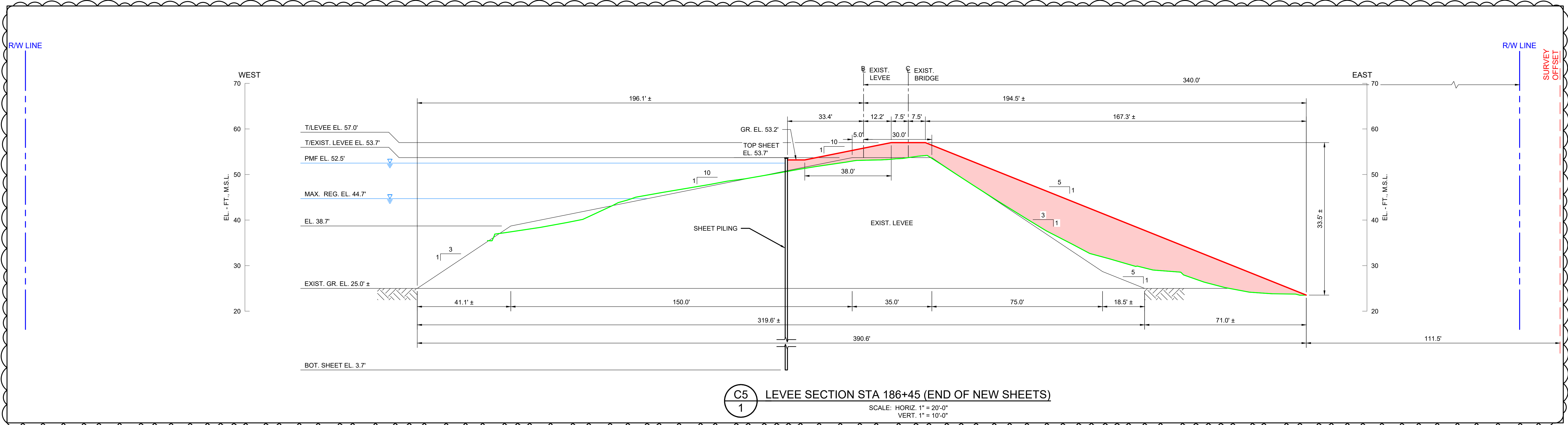
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SCALE: AS NOTED	DESIGNER: W.R.C.	SECTION CHIEF: W.R.C.

LEVEE SECTION STA. 163+00 AND 185+50

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME: TCRI XSECT.dwg
PROJECT NO.:
SHEET: **C4**



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LEVEE SECTION STA. 186+45 AND 187+51

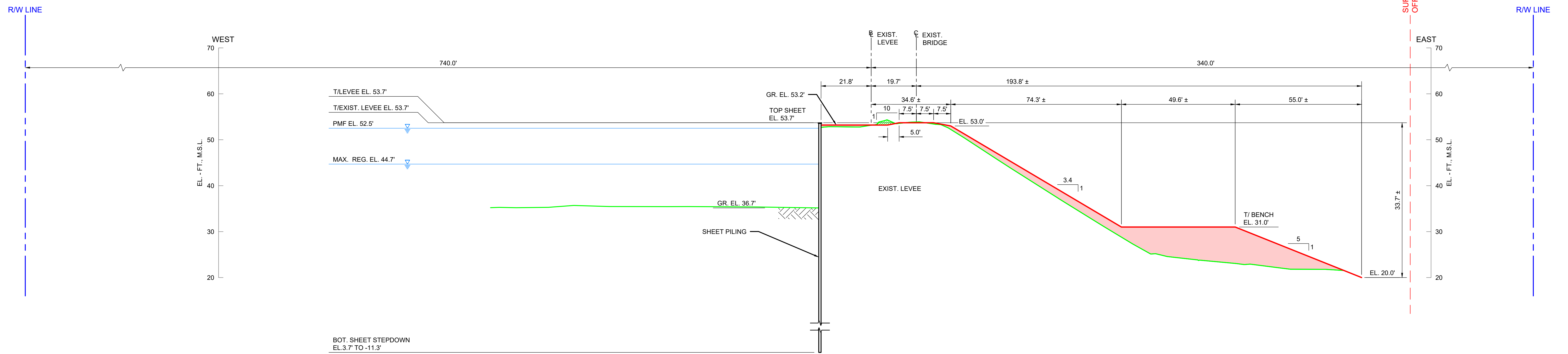
CERTIFICATION:

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DATE: JANUARY 19, 2023

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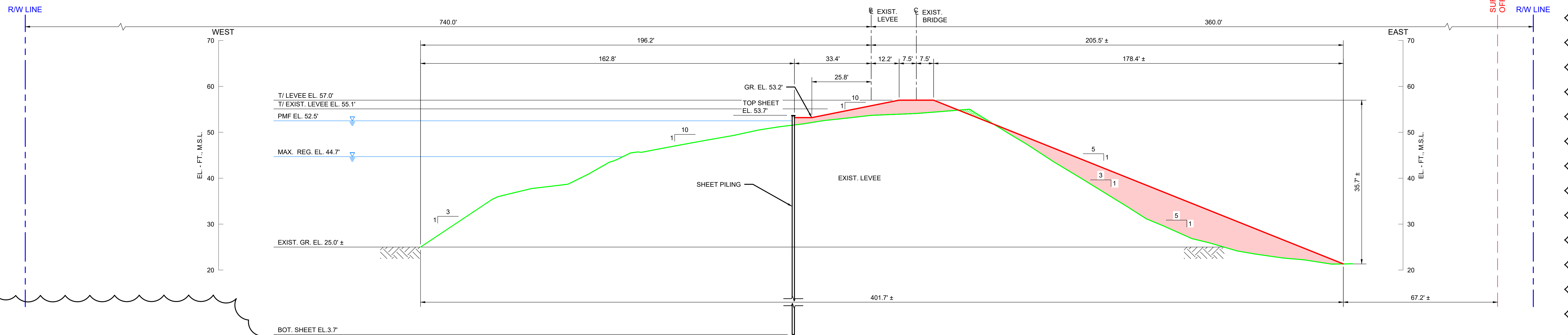
PROJECT NO.:

SHEET:
C5



C6 LEVEE SECTION STA 188+63 (BOT. SHEET STEPDOWN)
1

SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 10'-0"

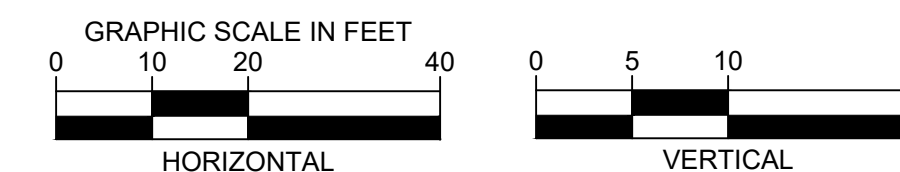


C6 LEVEE SECTION STA 189+69 (END OF NEW SHEETS)
2

SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 10'-0"

LEGEND:

- CUT
- FILL
- EXISTING L-73 R/W
- PROPOSED ADDITIONAL L-73 LEVEE R/W
- EXIST. LEVEE
- USACE DESIGN GRADE
- EXISTING GRADE
- PROPOSED GRADE
- SURVEY OFFSET



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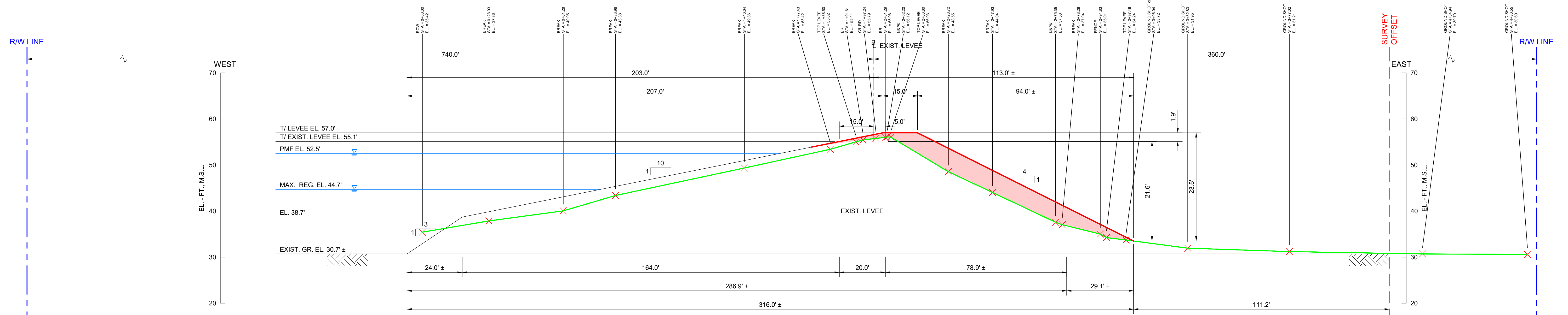
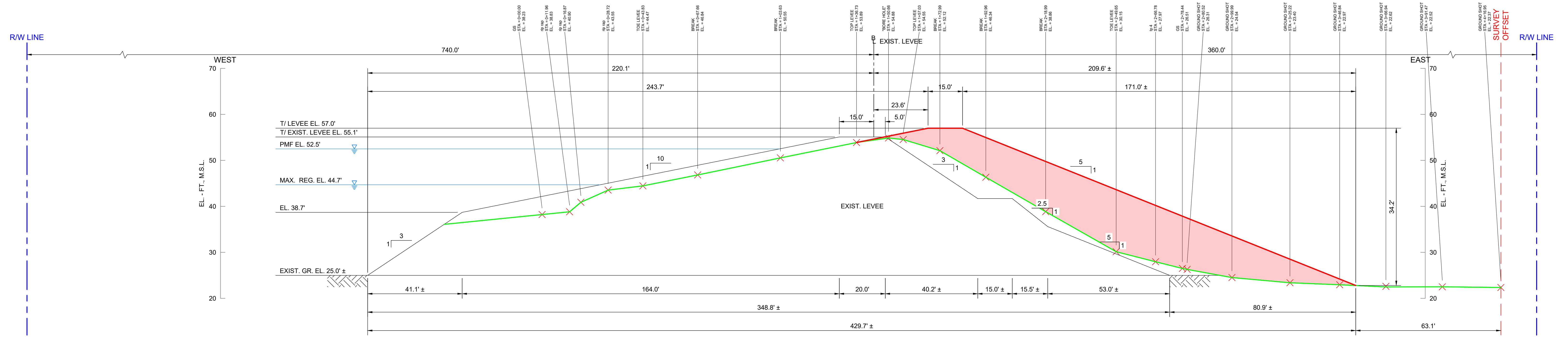
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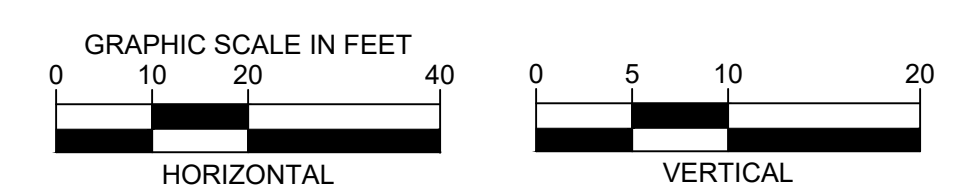
LEVEE SECTION STA. 188+63 AND 189+69

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
TCRI XSECT.dwg
PROJECT NO.:
SHEET:
C6




- LEGEND:**
- CUT
 - FILL
 - EXISTING L-73 RW
 - PROPOSED ADDITIONAL L-73 LEVEE RW
 - EXIST. LEVEE
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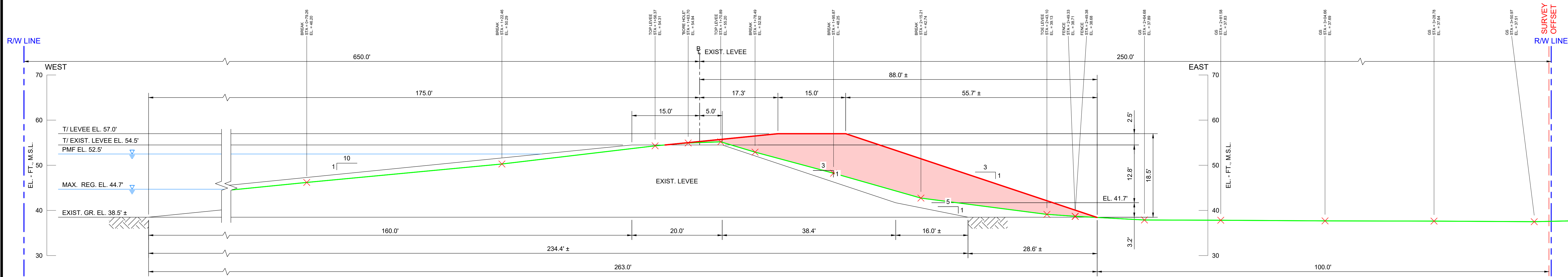

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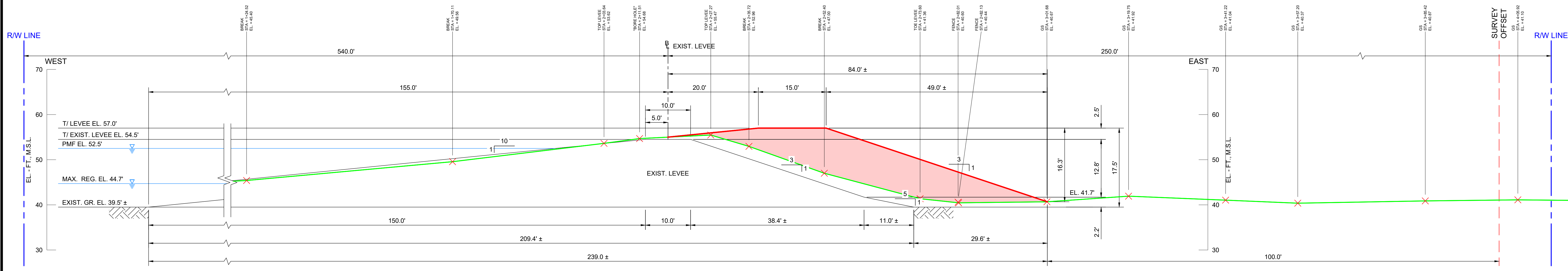
LEVEE SECTION STA. 191+05 AND 215+00

CERTIFICATION:
 WILLIAM R. COTE
 P.E. NUMBER: 53746
 DATE: JANUARY 19, 2023

FILE NAME: TCRI XSECT.dwg
 PROJECT NO.:
 SHEET: **C7**

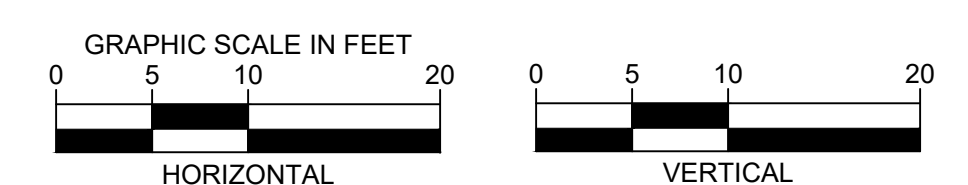


C8
1 LEVEE SECTION STA 226+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"



C8
2 LEVEE SECTION STA 270+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"

- LEGEND:**
- CUT
 - FILL
 - EXISTING L-73 RW
 - PROPOSED ADDITIONAL L-73 LEVEE RW
 - EXIST. LEVEE
 - USACE DESIGN GRADE
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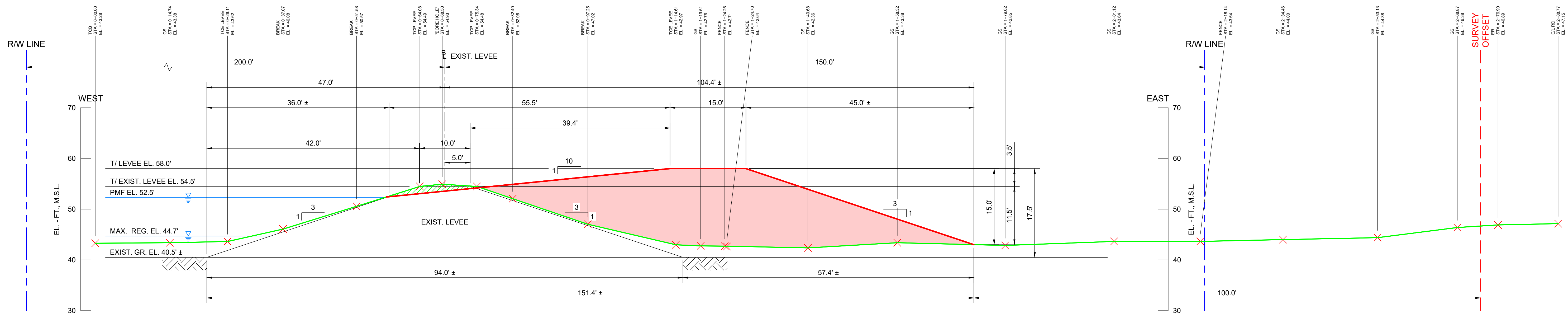
**ST. JOHNS RIVER
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P.O. BOX 1429 PALATKA, FLORIDA

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SCALE: AS NOTED	DESIGNER: W.R.C.	SECTION CHIEF: W.R.C.

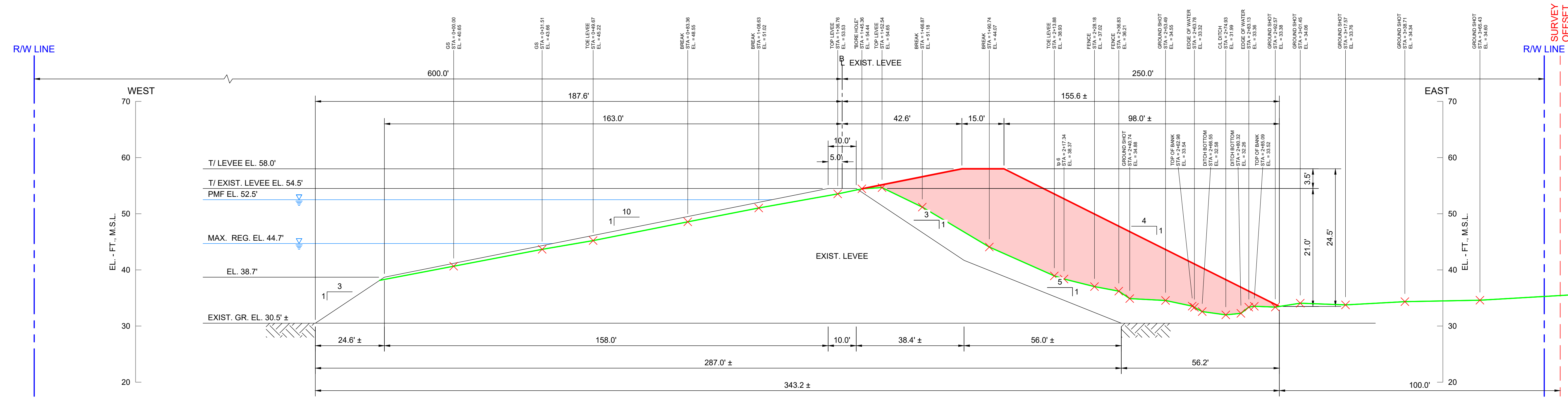
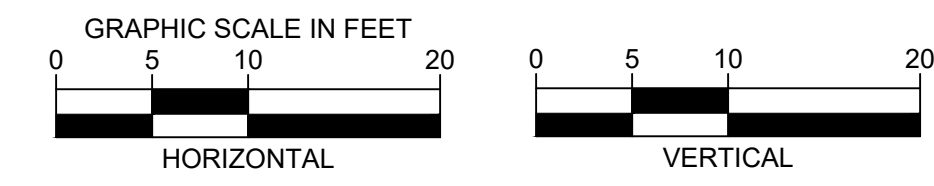
LEVEE SECTION STA. 226+00 AND 270+00

CERTIFICATION:
WILLIAM R. COTE
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DATE: JANUARY 19, 2023

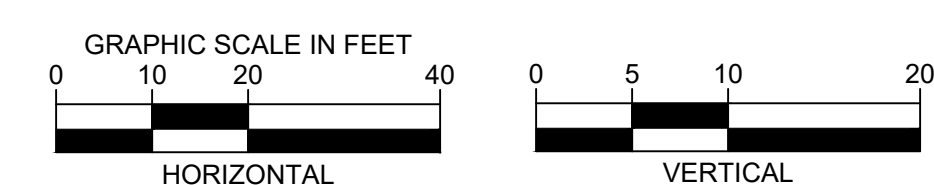
FILE NAME:
TCRI XSECT.dwg
PROJECT NO.:
SHEET:
C8



C9
1
LEVEE SECTION STA 310+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"



C9
2
LEVEE SECTION STA 400+00
SCALE: HORIZ. 1" = 20'-0"
VERT. 1" = 10'-0"



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LEVEE SECTION STA. 310+00 AND 400+00

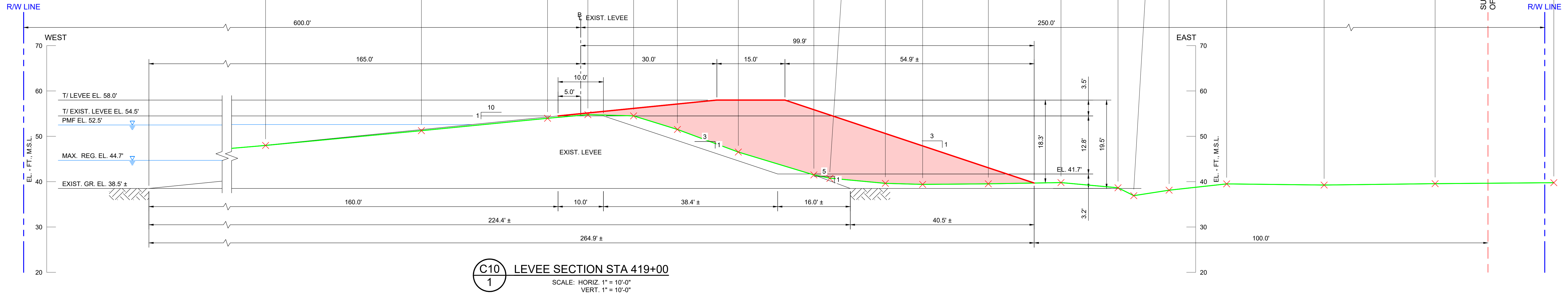
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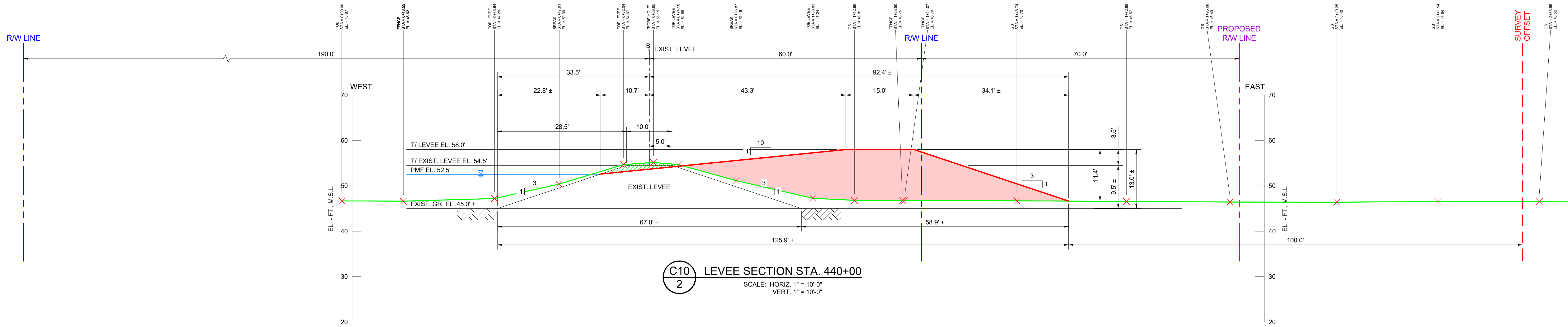
FILE NAME:
TCRI XSECT.dwg

PROJECT NO.:

SHEET:
C9

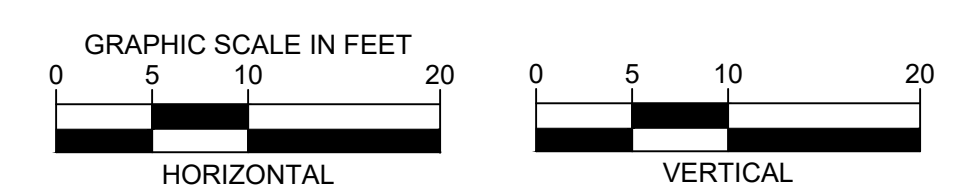


C10
1 LEVEE SECTION STA 419+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"



C10
2 LEVEE SECTION STA. 440+00
SCALE: HORIZ. 1" = 10'-0"
VERT. 1" = 10'-0"

- LEGEND:**
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 - FILL
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 - PROPOSED ADDITIONAL L-73 LEVEE R/W
 - EXIST. LEVEE
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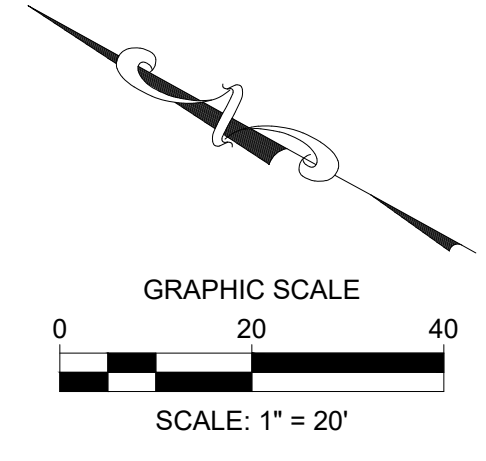
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LEVEE SECTION STA. 419+00 AND 440+00

CERTIFICATION:

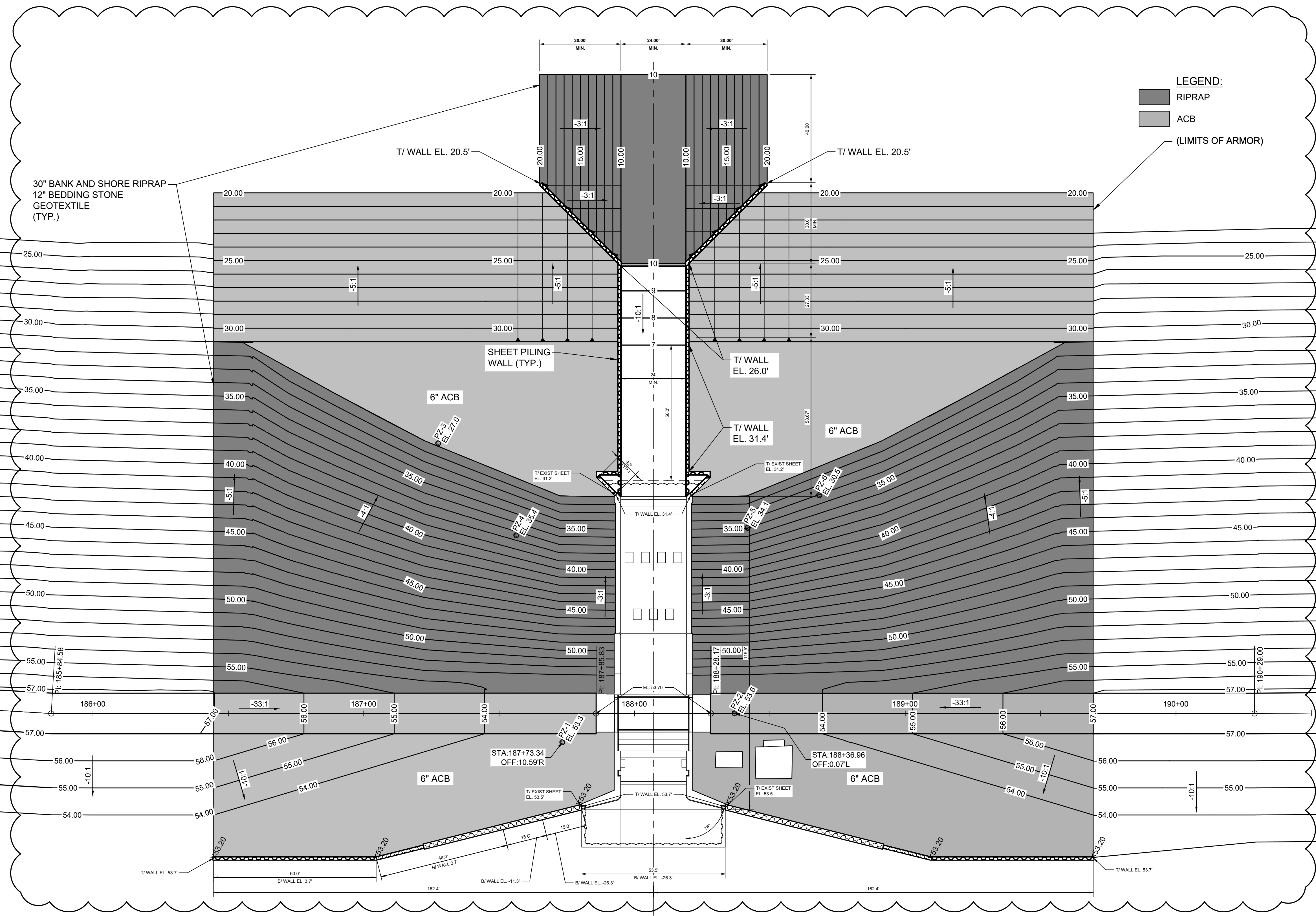
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME: TCRI XSECT.dwg
PROJECT NO.:
SHEET: **C10**



EXISTING L-73 R/W

EXISTING L-73 R/W



LEGEND:
 RIPRAP
 ACB
 (LIMITS OF ARMOR)

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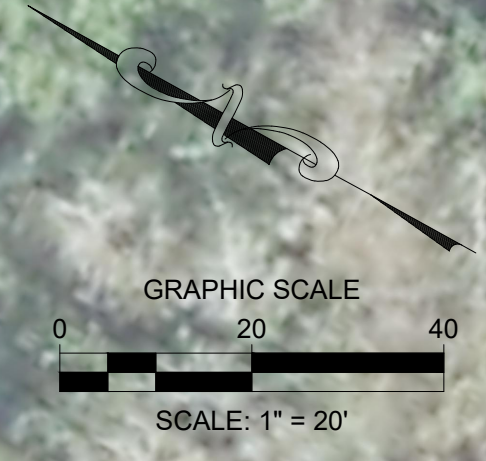
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 SCALE: 1" = 20' DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

PROPOSED S-164 SITE PLAN

CERTIFICATION:
 WILLIAM R. COTE
 P.E. NUMBER: 53746
 DATE: JANUARY 19, 2023

FILE NAME:
 TCRI S-164 SP.dwg
 PROJECT NO.:
 SHEET:
C41



EXISTING L-73 R/W

EXISTING L-73 R/W



LEGEND:
 RIPRAP
 ACB
 (LIMITS OF ARMOR)

30" BANK AND SHORE RIPRAP
 12" BEDDING STONE
 GEOTEXTILE (TYP.)

SHEET PILING
 WALL (TYP.)

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 TAYLOR CREEK RESERVOIR IMPROVEMENTS
 ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA

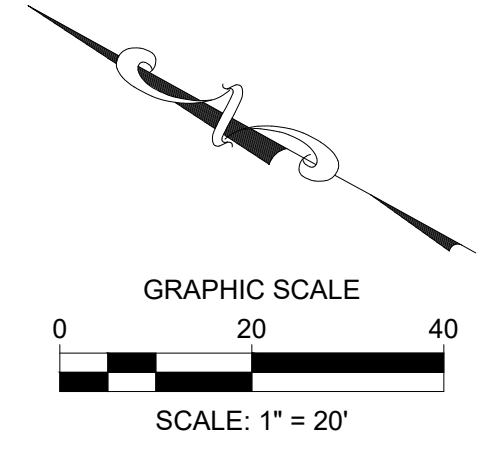
**ST. JOHNS RIVER
 WATER MANAGEMENT DISTRICT**
 P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: JANUARY 19, 2023 REVIEWER: W.R.C.
 SCALE: 1" = 20" DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

PROPOSED S-164 SITE PLAN WITH AERIAL

CERTIFICATION:
 WILLIAM R. COTE
 P.E. NUMBER: 53746
 DATE: JANUARY 19, 2023

FILE NAME:
 TCRI S-164 SP.dwg
 PROJECT NO.:
 SHEET:
C41A



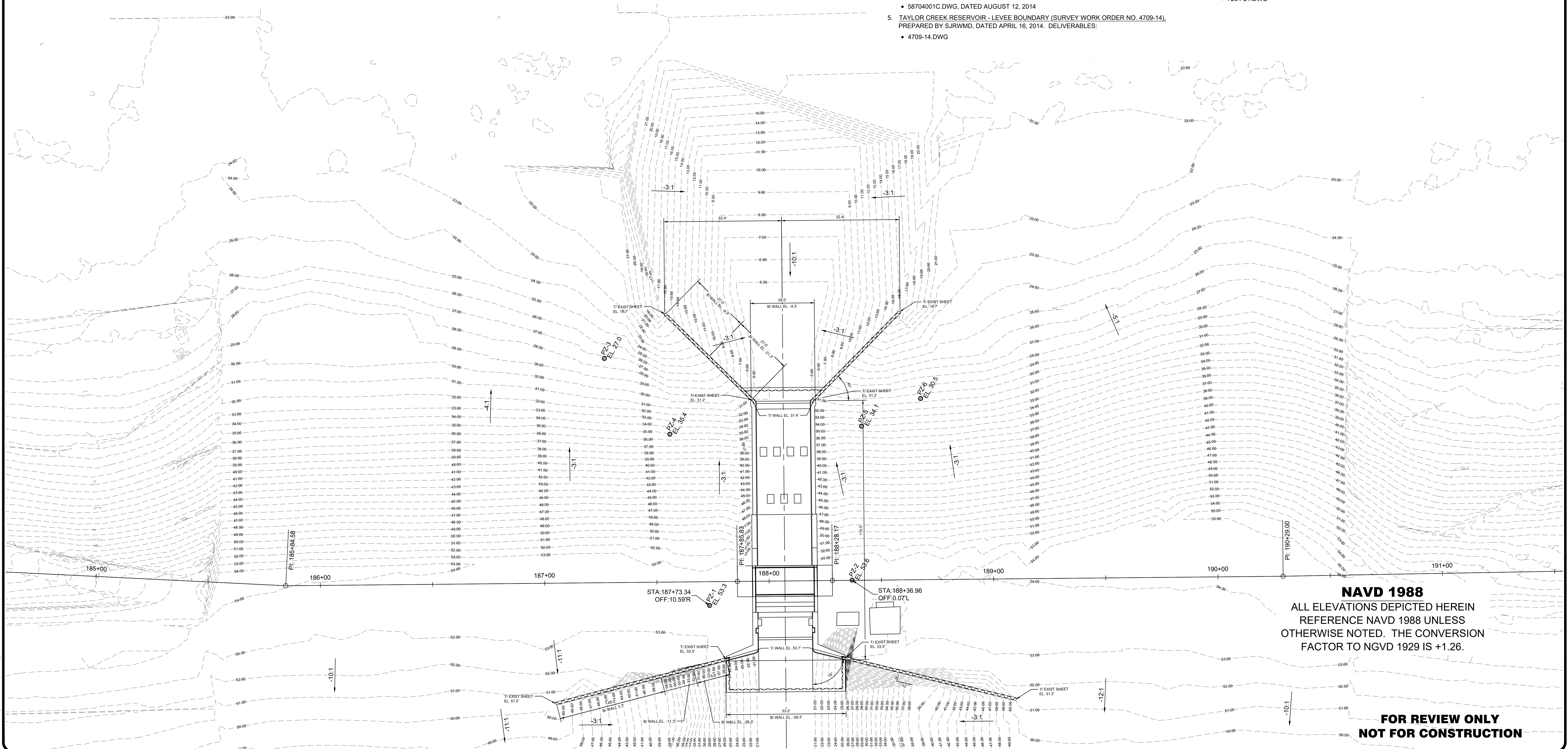
EXISTING L-73 R/W

EXISTING L-73 R/W

S1 SURVEY REFERENCE DOCUMENTS:

1. SPECIFIC PURPOSE LIDAR SURVEY REPORT, PREPARED BY DEWBERRY, DATED MAY 24, 2010.
2. TOPOGRAPHIC SURVEYS (BROWN AND CALDWELL WORK ORDER NO. 3), PREPARED BY GEODATA CONSULTANTS, INC. SURVEYING AND MAPPING. DELIVERABLES:
 - B2701 LEEVE X SECTIONS.DWG, DATED FEBRUARY 17, 2011
 - B2701 ADD LEEVE POINTS.TXT, DATED FEBRUARY 17, 2011
 - B2701 ADDITIONAL DOWNSTREAM X SECTIONS POINTS.TXT, DATED FEBRUARY 17, 2011
3. TOPOGRAPHIC SURVEYS (BROWN AND CALDWELL WORK ORDER NO.4), PREPARED BY GEODATA CONSULTANTS, INC. SURVEYING AND MAPPING. DELIVERABLES:
 - B2701 DOWNSTREAM X SECTIONS 2013.DWG, DATED MARCH 4, 2013
 - B2701 LEEVE SURVEY 2013.DWG, DATED MARCH 5, 2013
 - B2701 SURVEY POINTS.TXT, DATED MARCH 4, 2013
4. TOPOGRAPHIC SURVEYS (BROWN AND CALDWELL WORK ORDER NO.10), PREPARED BY GEODATA CONSULTANTS, INC. SURVEYING AND MAPPING. DELIVERABLES:
 - 58704001C.DWG, DATED AUGUST 12, 2014
5. TAYLOR CREEK RESERVOIR - LEEVE BOUNDARY (SURVEY WORK ORDER NO. 4709-14), PREPARED BY SJRWMD, DATED APRIL 16, 2014. DELIVERABLES:
 - 4709-14 DWG

6. TAYLOR CREEK RESERVOIR TCR WETLANDS (SURVEY WORK ORDER NO. 4621-14), PREPARED BY SJRWMD, DATED JUNE 3, 2014. DELIVERABLES:
 - 4621-14.DWG
7. TAYLOR CREEK RESERVOIR TCR WETLANDS (SURVEY WORK ORDER NO. 4741-15), PREPARED BY SJRWMD, DATED APRIL 17, 2015. DELIVERABLES:
 - 4741-15 4-17-2015.DWG
8. L-73 TAYLOR CREEK S-231 REMOVAL (SURVEY WORK ORDER NO. 6683-19), PREPARED BY SJRWMD, DATED OCTOBER 10, 2019. DELIVERABLES:
 - 6683-19.DWG
9. TAYLOR CREEK RESERVOIR IMPROVEMENT (SURVEY WORK ORDER NO. 7130-20), PREPARED BY SJRWMD, DATED MARCH 15, 2020. DELIVERABLES:
 - 7130-20.DWG
10. TAYLOR CREEK RESERVOIR IMPROVEMENT (SURVEY WORK ORDER NO. 7264-21), PREPARED BY SJRWMD, DATED JULY 12, 2021. DELIVERABLES:
 - 7264-21.DWG



NAVD 1988
 ALL ELEVATIONS DEPICTED HEREIN
 REFERENCE NAVD 1988 UNLESS
 OTHERWISE NOTED. THE CONVERSION
 FACTOR TO NGVD 1929 IS +1.26.

**FOR REVIEW ONLY
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UPPER ST. JOHNS RIVER BASIN
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 ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA

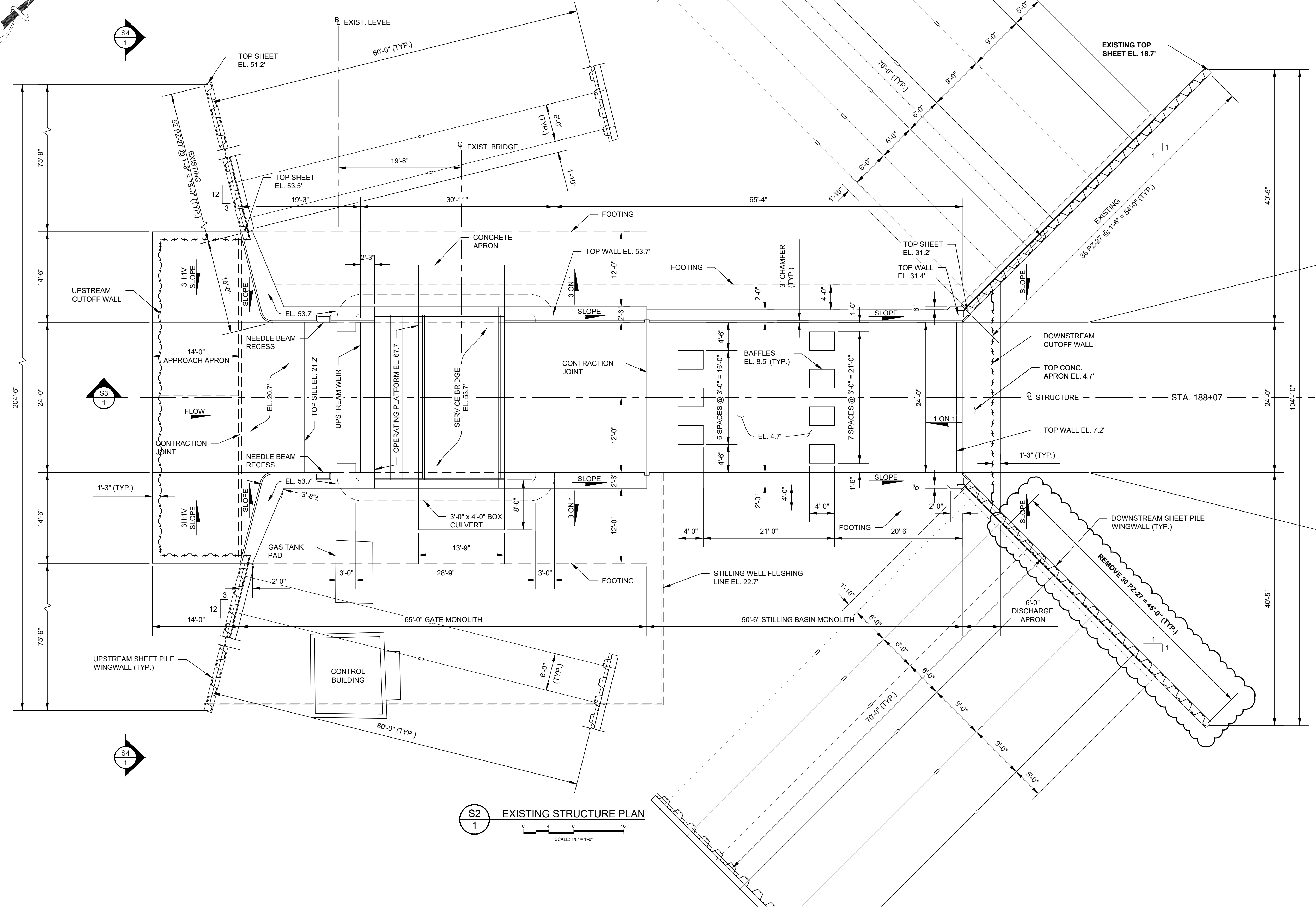
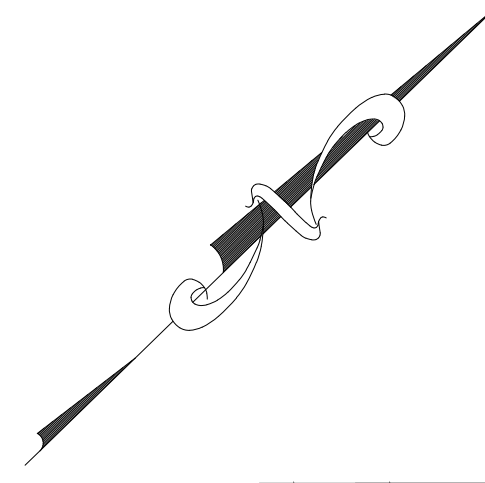
**ST. JOHNS RIVER
 WATER MANAGEMENT DISTRICT**
 P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: JANUARY 19, 2023 REVIEWER: W.R.C.
 SCALE: 1" = 20' DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

EXISTING S-164 SITE GRADE

CERTIFICATION:
 WILLIAM R. COTE
 P.E. NUMBER: 53746
 DATE: JANUARY 19, 2023

FILE NAME:
 ETCRI S-164 SP.dwg
 PROJECT NO.:
 SHEET:
S1



S2
1
EXISTING STRUCTURE PLAN
SCALE: 1/8" = 1'-0"

S4
1

S3
1

S5
1

**FOR REVIEW ONLY
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UPPER ST. JOHNS RIVER BASIN
TAYLOR CREEK RESERVOIR IMPROVEMENTS
ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA

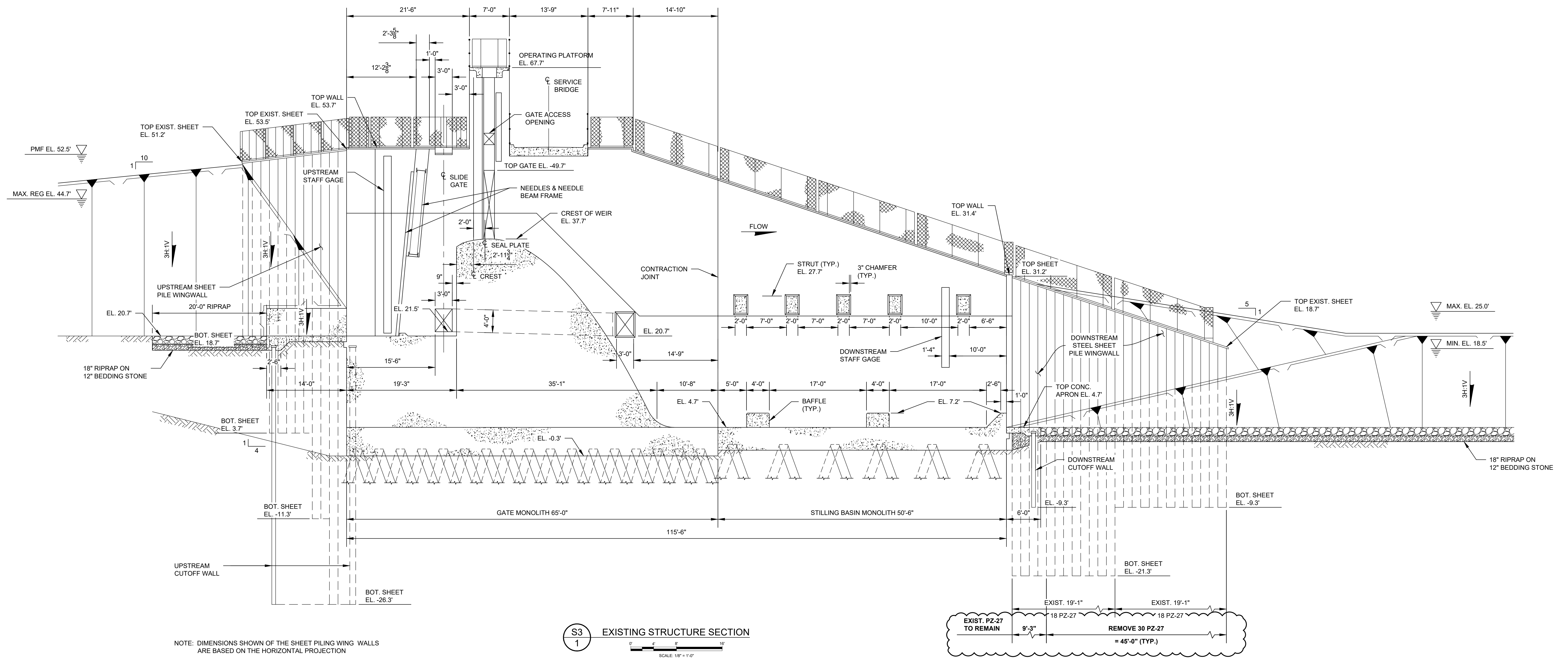
**ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT**
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G.	DATE: JANUARY 19, 2023	REVIEWER: W.R.C.
SCALE: 1/8" = 1'-0"	DESIGNER: W.R.C.	SECTION CHIEF: W.R.C.

EXISTING STRUCTURE PLAN

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
ETCRI STR.dwg
PROJECT NO.:
SHEET:
S2



NOTE: DIMENSIONS SHOWN OF THE SHEET PILING WING WALLS ARE BASED ON THE HORIZONTAL PROJECTION

S3
1
EXISTING STRUCTURE SECTION
SCALE: 1/8" = 1'-0"

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UPPER ST. JOHNS RIVER BASIN
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ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA

ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

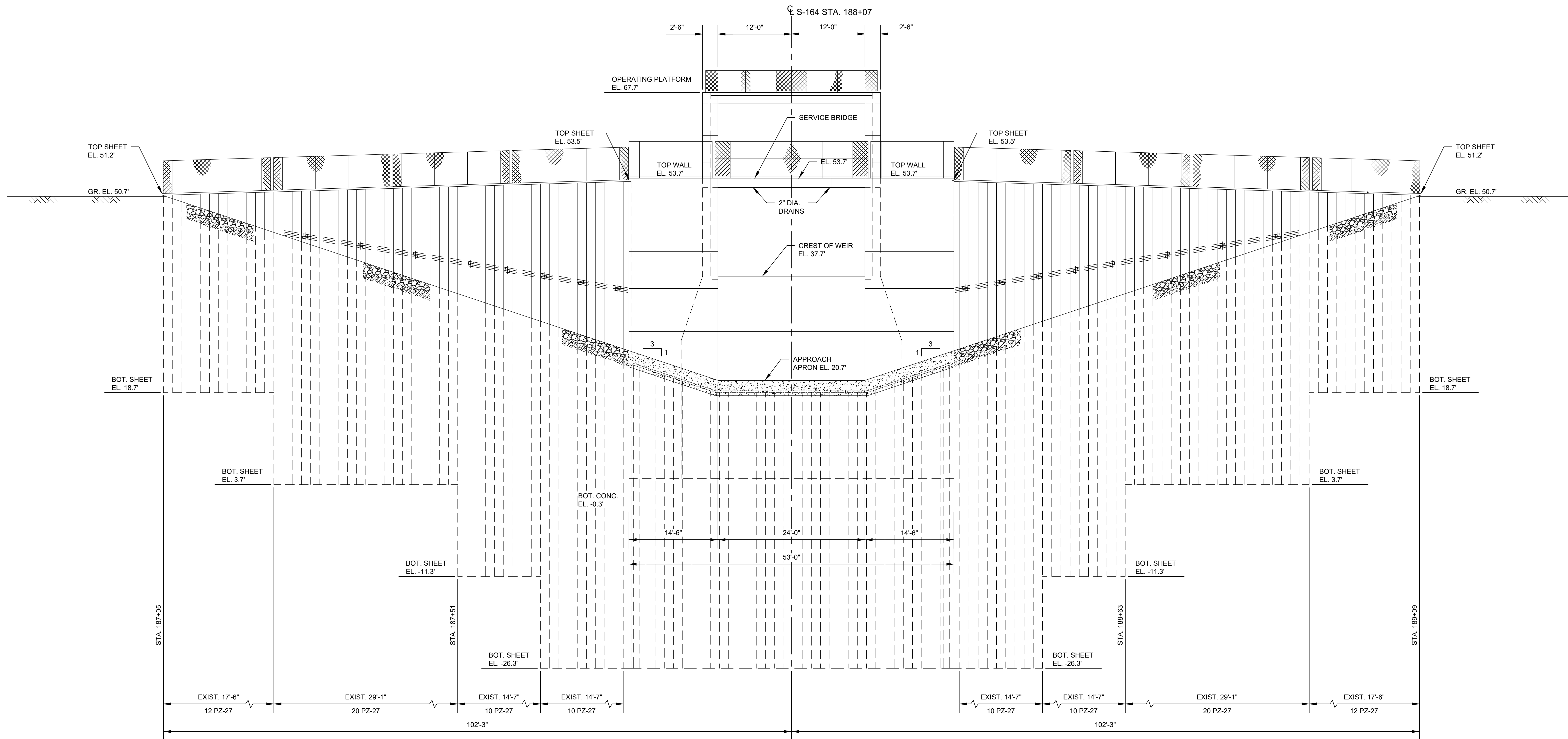
DRAWN: N.J.G. DATE: JANUARY 19, 2023 REVIEWER: W.R.C.

SCALE: 1/8" = 1'-0" DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

EXISTING STRUCTURE SECTION

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
ETCRI STR.dwg
PROJECT NO.:
SHEET:
S3



NOTE: DIMENSIONS SHOWN OF THE SHEET PILING WING WALLS ARE BASED ON THE HORIZONTAL PROJECTION

S4
1
EXISTING UPSTREAM ELEVATION
SCALE: 1/8" = 1'-0"

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UPPER ST. JOHNS RIVER BASIN
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ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA

ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

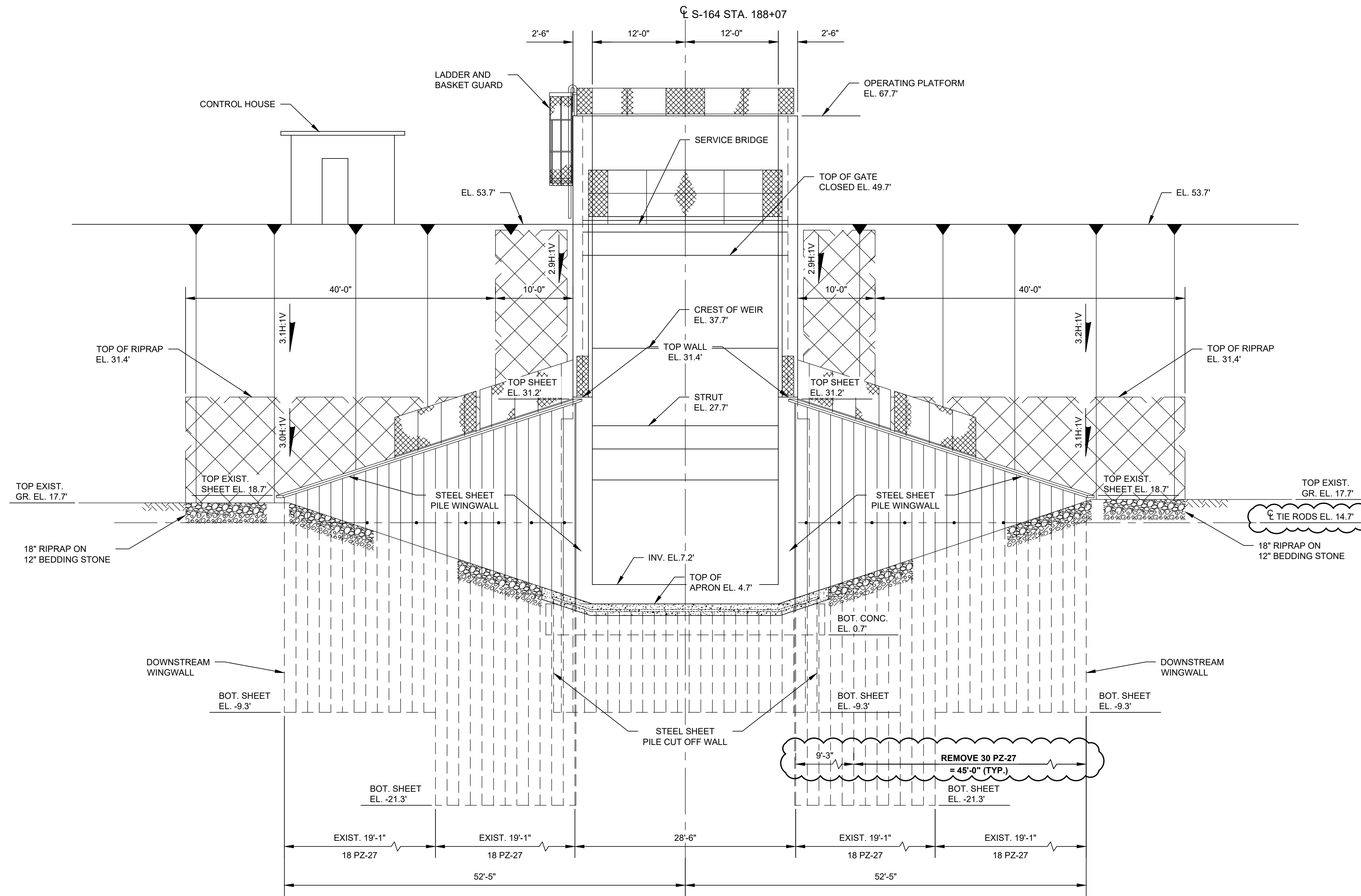
DRAWN: N.J.G. DATE: JANUARY 19, 2023 REVIEWER: W.R.C.

SCALE: 1/8" = 1'-0" DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

EXISTING UPSTREAM ELEVATION

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
ETCRI STR.dwg
PROJECT NO.:
SHEET:
S4



NOTE: DIMENSIONS SHOWN OF THE SHEET PILING WING WALLS ARE BASED ON THE HORIZONTAL PROJECTION

S5
1
EXISTING DOWNSTREAM ELEVATION
SCALE: 1/8" = 1'-0"

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UPPER ST. JOHNS RIVER BASIN
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ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: JANUARY 19, 2023 REVIEWER: W.R.C.

SCALE: 1/8" = 1'-0" DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

EXISTING DOWNSTREAM ELEVATION

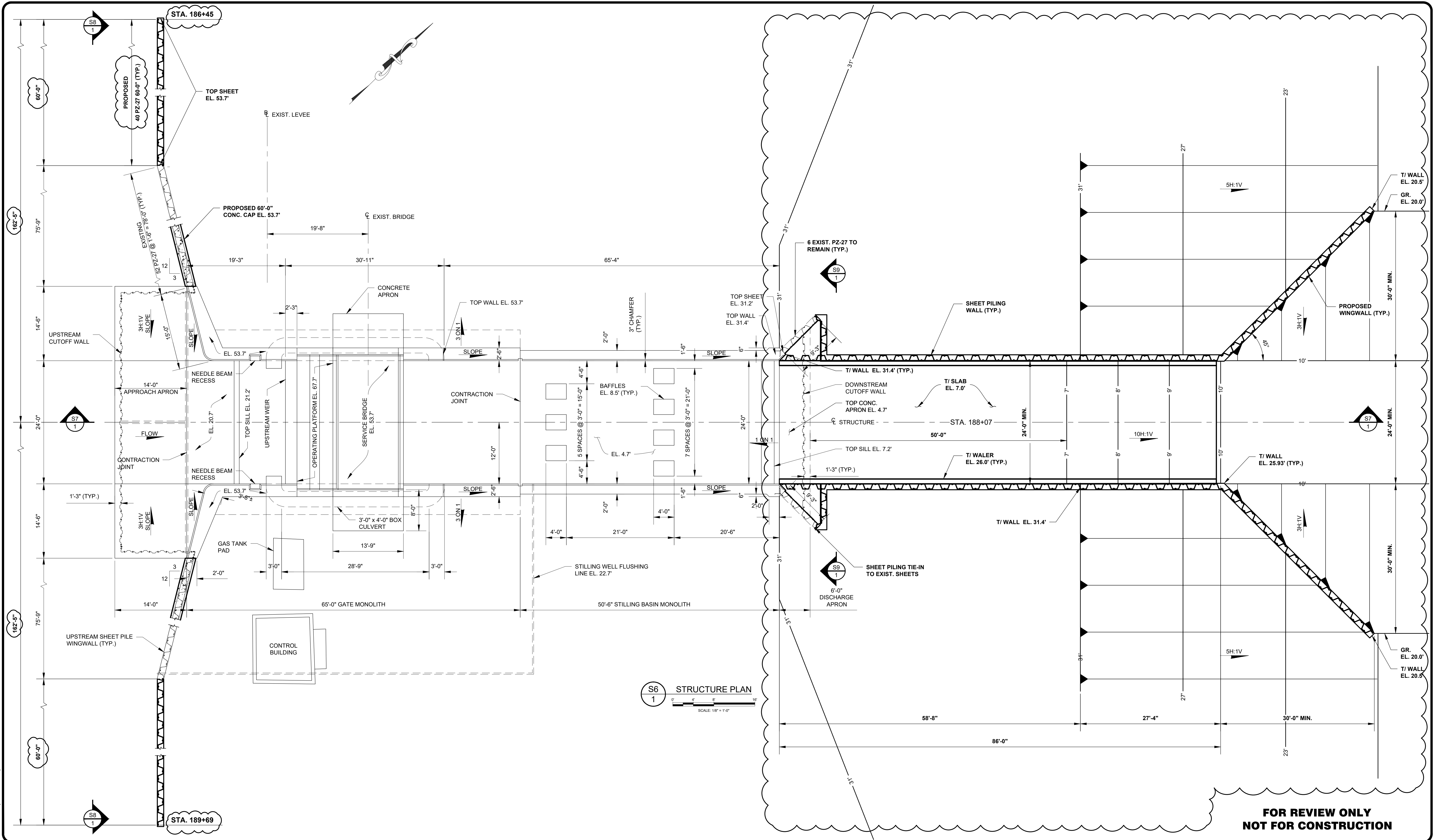
CERTIFICATION:

WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
ETCR1 STR.dwg

PROJECT NO.:

SHEET:
S5



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ORANGE COUNTY AND OSCEOLA COUNTY, FLORIDA

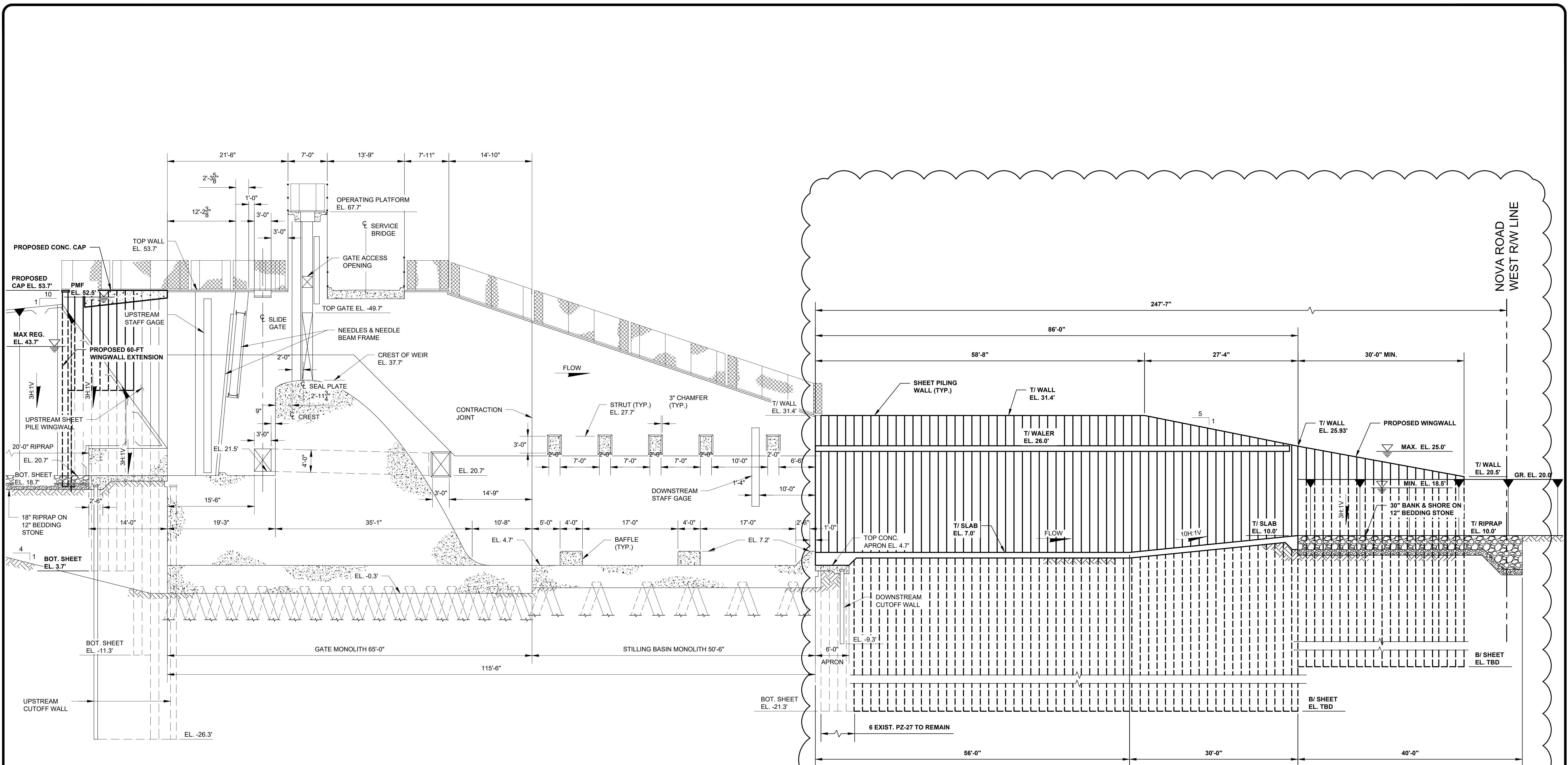
ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
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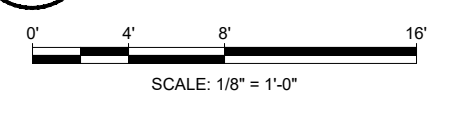
STRUCTURE PLAN

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
TCRI STR.dwg
PROJECT NO.:
SHEET:
S6



S7 SECTION 1



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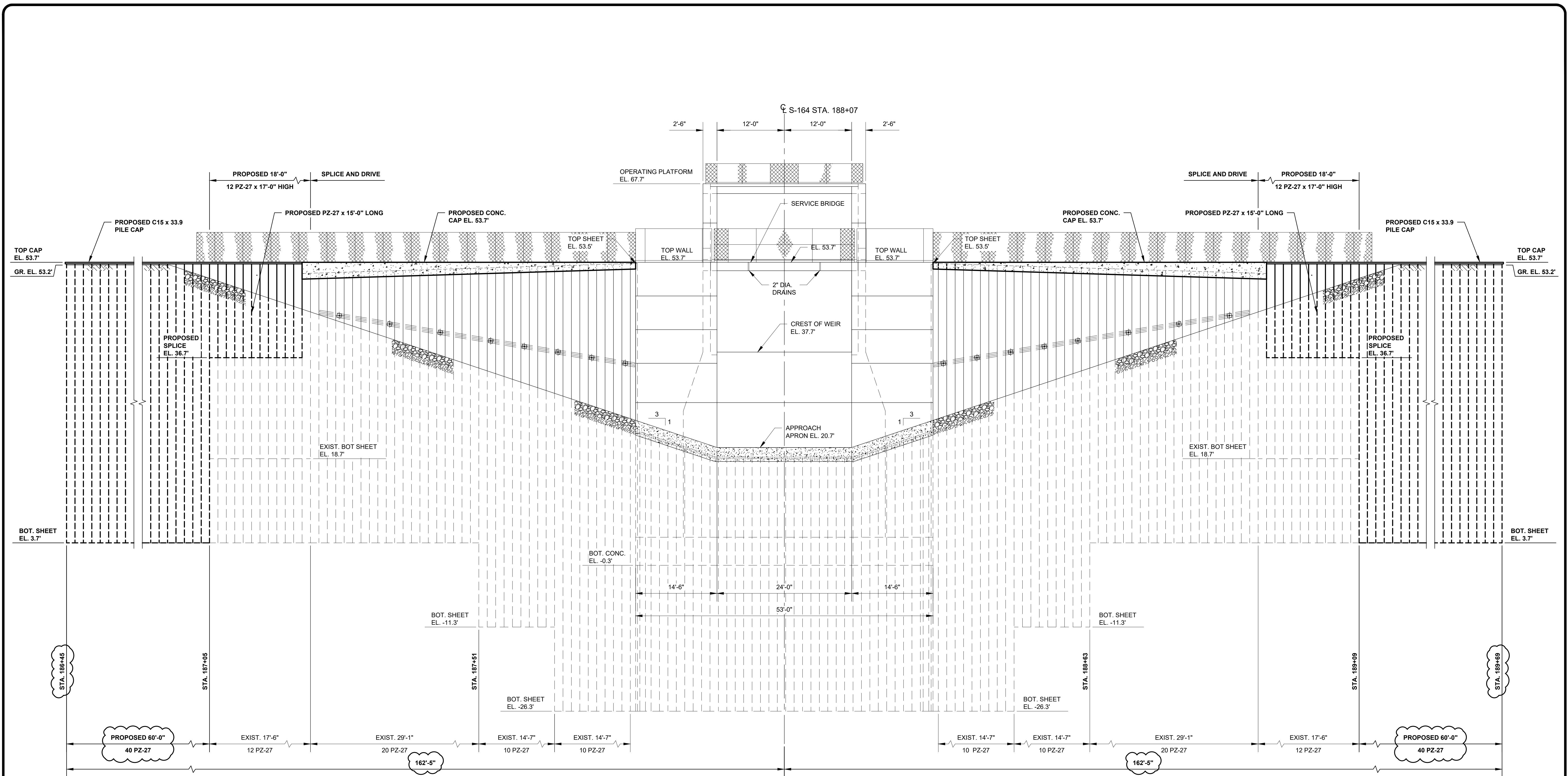
ST. JOHNS RIVER
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STRUCTURE SECTION

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME: TCRI STR.dwg
PROJECT NO.:
SHEET: S7



NOTE: DIMENSIONS SHOWN OF THE SHEET PILING WING WALLS ARE BASED ON THE HORIZONTAL PROJECTION

S8
1
UPSTREAM ELEVATION
SCALE: 1/8" = 1'-0"

NOTE: PROPOSED ADDITIONAL SHEET PILING IS SHOWN IN BOLD.

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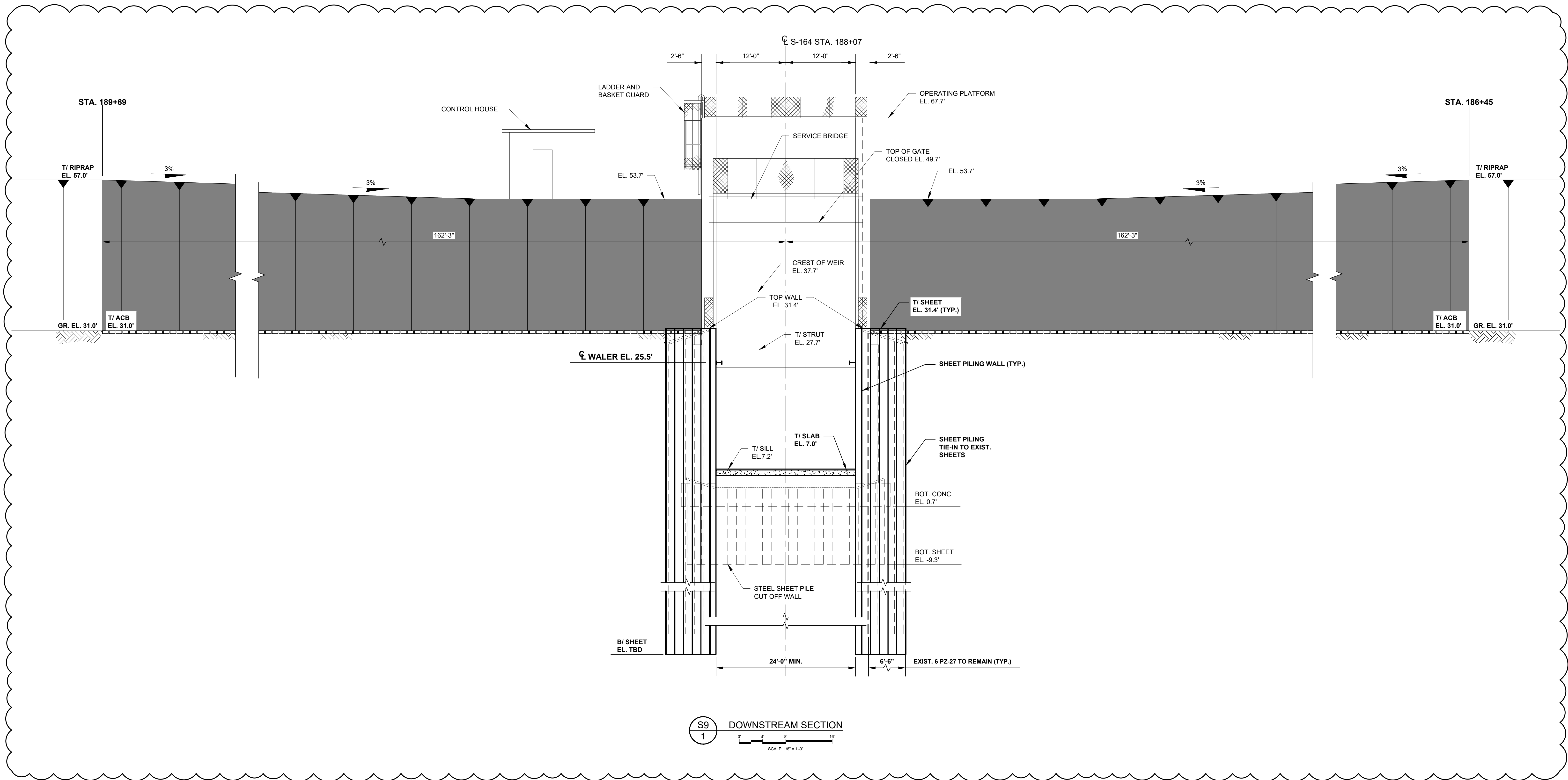
ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
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SCALE: 1/8" = 1'-0" DESIGNER: W.R.C. SECTION CHIEF: W.R.C.

UPSTREAM ELEVATION

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
TCRI STR.dwg
PROJECT NO.:
SHEET:
S8



S9
1
DOWNSTREAM SECTION
SCALE: 1/8" = 1'-0"

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ST. JOHNS RIVER
WATER MANAGEMENT DISTRICT
P.O. BOX 1429 PALATKA, FLORIDA

DRAWN: N.J.G. DATE: JANUARY 19, 2023 REVIEWER: W.R.C.
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DOWNSTREAM SECTION

CERTIFICATION:
WILLIAM R. COTE
P.E. NUMBER: 53746
DATE: JANUARY 19, 2023

FILE NAME:
TCRI STR.dwg
PROJECT NO.:
SHEET:
S9