

**BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 ENGINEERING DEPARTMENT
 CONSTRUCTION MANAGEMENT DIVISION**

INDEX OF ROADWAY PLANS

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**PLANS PROPOSED FOR
 RENEE TERRACE
 DRAINAGE
 IMPROVEMENTS
 ENG 2106**

ISSUE FOR CONSTRUCTION

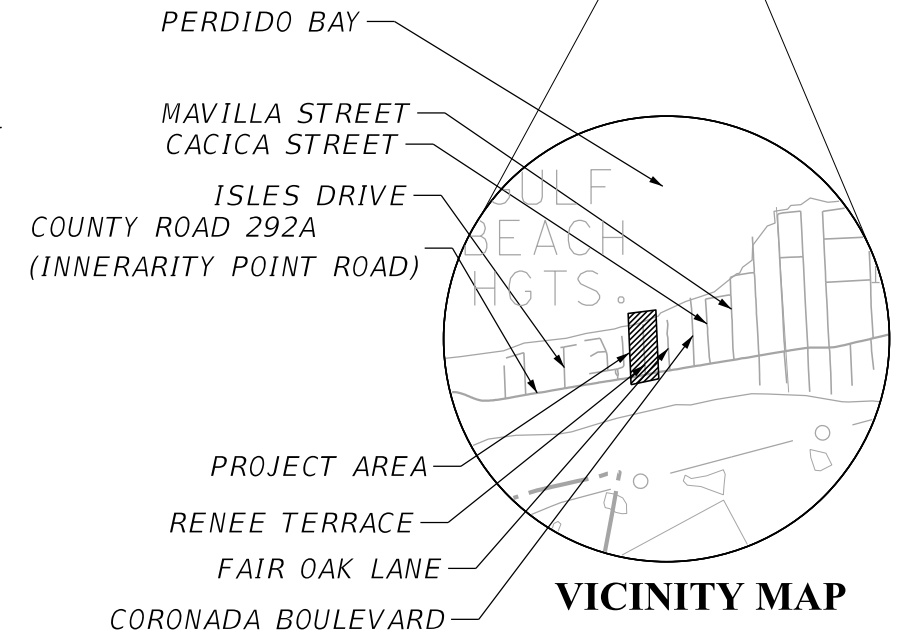
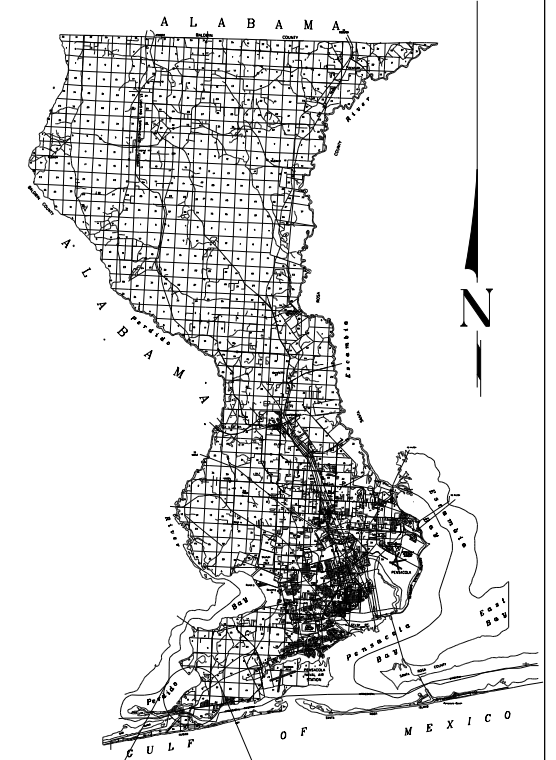
COMMISSIONERS

- | | |
|-----------------------|--------------------------------|
| DISTRICT ONE | JEFF BERGOSH |
| DISTRICT TWO | MIKE KOHLER |
| DISTRICT THREE | LUMON MAY |
| DISTRICT FOUR | VACANT |
| DISTRICT FIVE | STEVEN BARRY (CHAIRMAN) |

PROJECT NO.
PD 02-03.79.15.65.ENG

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.



PROJECT MANAGER: OMER EACRET	
SECTION / TOWNSHIP / RANGE: 14, 15/3S/32W	DISTRICT: 1
PROJECT ENGINEER: PHILLIP J. WALKER	REG FLA ENG NO: 87701
SIGNATURE: (SEE EOR SEAL)	DATE: MARCH 2024

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SUMMARY OF PAY ITEMS

1 Mobilization, 0 - 15 Miles	1 EA
2 Clearing and Grubbing (Including Trees UNDER 12" dia.)	2431 SY
3 Remove Tree, 13"-24"	6 EA
4 Replace Standard Mailbox with approved Heavy-Duty Plastic Mailbox w/ Rear Door and Post.	12 EA
5 Earthwork Excavation by machine	314 CY
6 Earthwork Excavate, Haul, and Install, On-site	9 CY
7 Dewatering, Trench and/or Pipe	824 LF
8 Dewatering Pump	4 Week
9 2" Type SP 12.5 Asphalt, over 1500sy	1704 SY
10 Asphalt Millings, Driveways	38 SY
11 Remove Existing Asphalt, 2" Average Depth	1704 SY
12 Saw cut Existing Asphalt	97 LF
13 6" Graded aggregate Base "Min. LBR 100 at 100% Modified Proctor",	1857 SY
14 Develop and provide and implement a MOT traffic safety plan, both map type and written type, by a Certified Work Zone Safety Traffic Supervisor	1 EA
15 FDOT Type B curb, FDOT Index 300	23 LF
16 FDOT Type F Curb and Gutter, FDOT Index 300	101 LF
17 County Type B Curb, Per County Detail	331 LF
18 4" Fiber Reinforced Concrete Driveway, over 50sy	179 SY
19 Ditch Bottom Inlet, Type C, 0'-6' depth	1 EA
20 Ditch Bottom Inlet, Type D, 0'-6' depth	2 EA
21 Ditch Bottom Inlet, Type E, 0'-6' depth	1 EA
22 Curb Inlet Top, Type 2	1 EA
23 Curb Inlet Top, Type 6	1 EA
24 Storm Manhole, 0-6ft depth	3 EA
25 14" X 23" ERCP Pipe, 0'-6' depth	824 LF
26 Class I Concrete for Endwalls (steel included)	1 CY
27 18" Depth Rip Rap Rubble w/ 4" Bedding Stone and Geotextile	33 SY
28 Silt Fence Type IV	1000 LF
29 Floating Turbidity Barrier	40 LF
30 Establish, quantify, and submit an approved erosion control plan prepared by a certified technician.	1 EA
31 Waterproof Jobsite Storage Board Container/Tube for project information, permits, SWPPP plans, etc.	1 EA
32 TIDAL CHECK VALVE 14"X23"	1 EA
33 Construct Stabilized Gravel Construction Entrance	100 SY
34 NPDES Construction General Permit, NOI, and NOT (including SWPPP and monitoring), for use only with disturbed areas over 1.0 acre	1 EA
35 Remove and Replace Unsuitable Materials	824 CY
36 Centipede Sod, Staked	691 SY
37 12" Stabilized Subgrade, over 1000sy	1857 SY
38 1' Ribbon Curb, Per County Detail	226 LF

PAY ITEM NOTES

1. THE COST ASSOCIATED WITH PAY ITEMS 2 & 3 SHALL INCLUDE ALL COSTS ASSOCIATED WITH TREE AND VEGETATION REMOVAL REQUIRED TO CONSTRUCT THE PROJECT. THE PROJECT HAS BEEN DESIGNED WITH THE INTENT TO AVOID IMPACTING TREES.
2. THE COST ASSOCIATED WITH PAY ITEM 11 SHALL INCLUDE ALL APPURTENANCES REQUIRED FOR RECONSTRUCTION OF RENEE TERRACE.
3. THE COST ASSOCIATED WITH PAY ITEM 20 SHALL INCLUDE ALL COSTS ASSOCIATED WITH THE MODIFIED S-102 SLOT.
4. THE COST ASSOCIATE WITH ITEM 26 SHALL INCLUDE ALL REINFORCING STEEL AND APPURTENANCES REQUIRED TO CONSTRUCT S-107.
5. THE COST ASSOCIATED WITH ITEM 27 SHALL INCLUDE ALL COSTS ASSOCIATED WITH THE REMOVAL, TEMPORARY STORAGE, AND REPLACEMENT OF EXISTING RIP-RAP WHICH IS IMPACTED BY CONSTRUCTION ACTIVITIES.
6. THE COST ASSOCIATED WITH ITEMS 28, 29, & 30 SHALL INCLUDE ALL COSTS ASSOCIATED WITH SEDIMENT BARRIER AND INLET PROTECTION NECESSARY TO PREVENT OFFSITE SEDIMENT TRANSPORT AS WELL AS PROTECT THE PROPOSED TRUNKLINE.
7. THE COST ASSOCIATED WITH ITEM 32 SHALL INCLUDE ALL COSTS ASSOCIATED WITH FURNISHING AND INSTALLING THE 14"x23" TIDAL CHECK VALVE. APPROVED PRODUCTS SHALL INCLUDE THE RED VALVE CHECKMATE VALVE OR EQUIVALENT WHICH IS APPROVED BY THE ENGINEER.
8. THE COST ASSOCIATED WITH ITEM 35 WILL REQUIRE PRIOR APPROVAL FOR USE FOR EACH SITUATION ENCOUNTERED.

REVISIONS	
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PHILLIP J. WALKER
P.E. LICENSE NUMBER 87701
HDR ENGINEERING, INC.
25 WEST CEDAR STREET, SUITE 200
PENSACOLA, FL 32502-5945



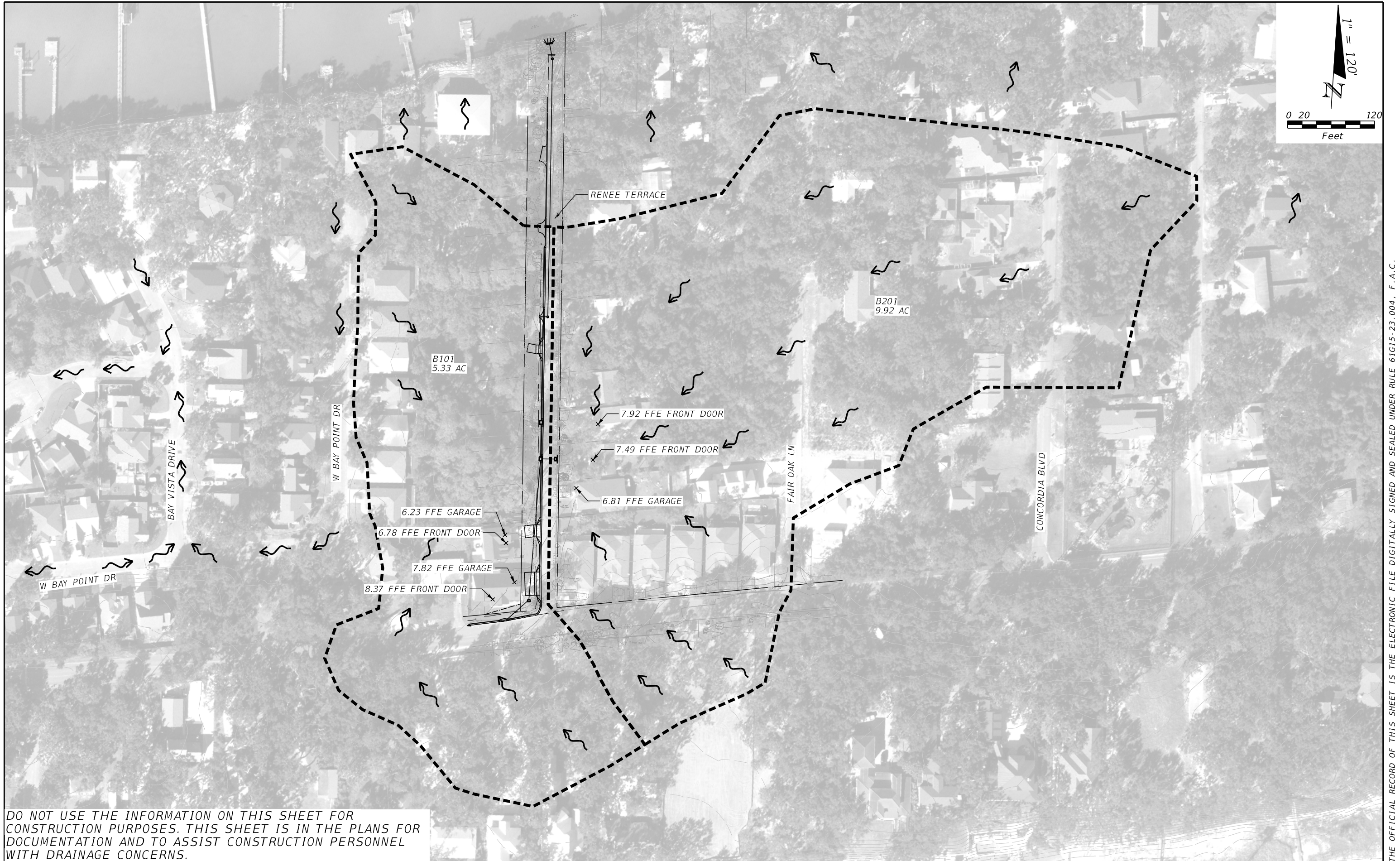
ESCAMBIA COUNTY
ENGINEERING DEPARTMENT

RENEE TERRACE DRAINAGE
IMPROVEMENTS

SUMMARY OF PAY ITEMS

SHEET
NO.

2



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

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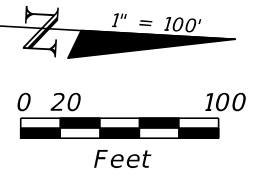
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RENEE TERRACE DRAINAGE
IMPROVEMENTS

DRAINAGE MAP


SHEET NO.

3


① DENOTES PLAN SHEET #



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RENEE TERRACE DRAINAGE
IMPROVEMENTS

PROJECT LAYOUT

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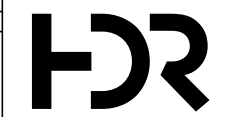
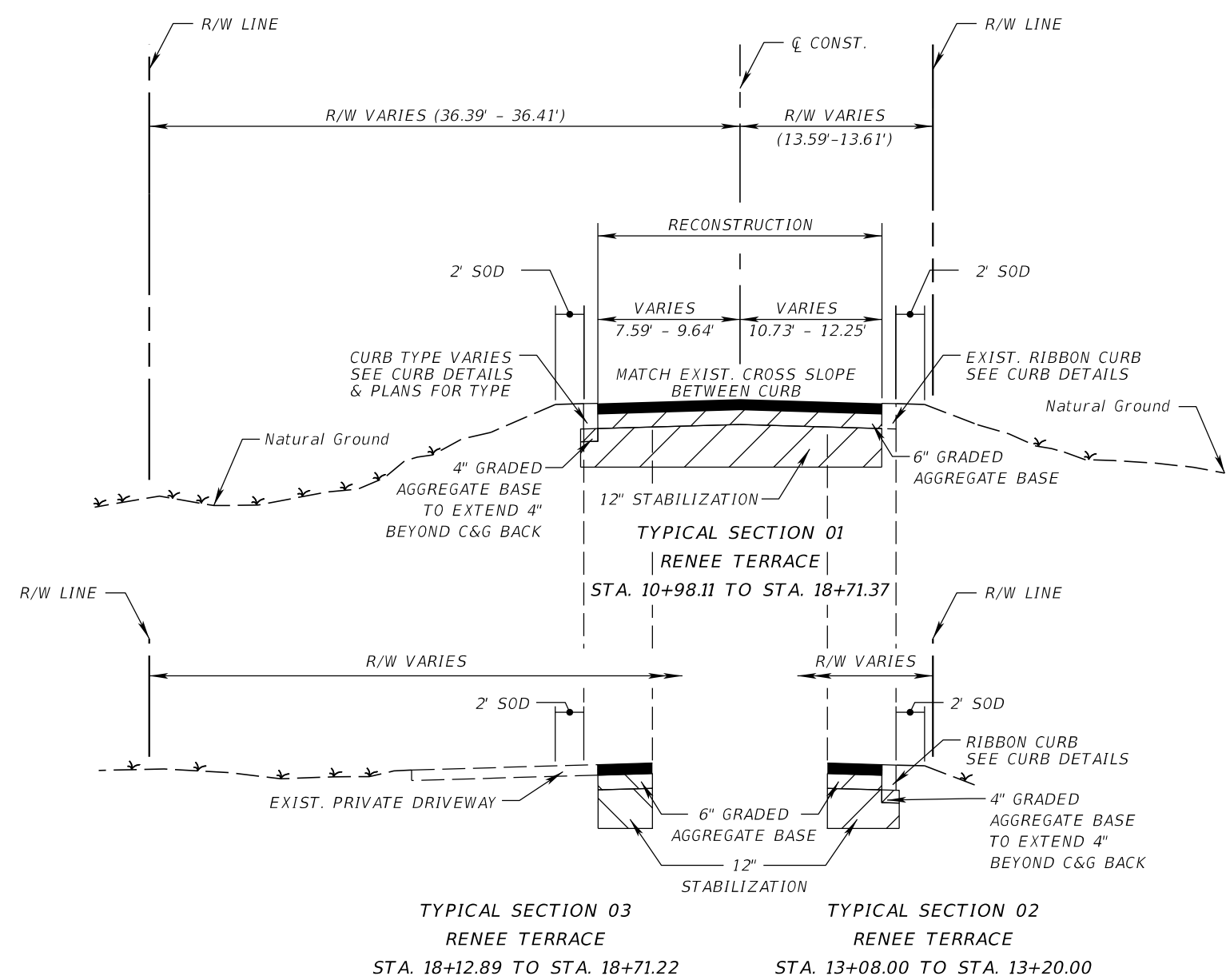
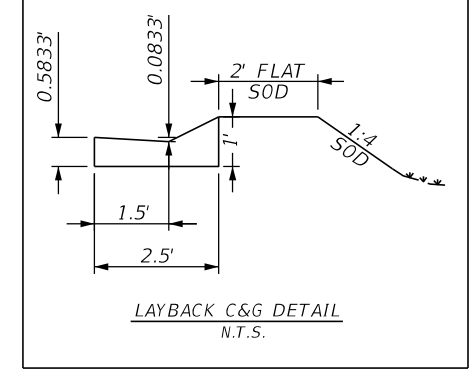
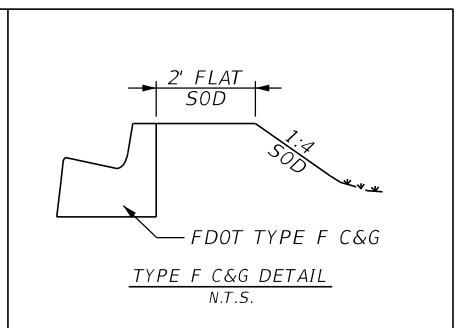
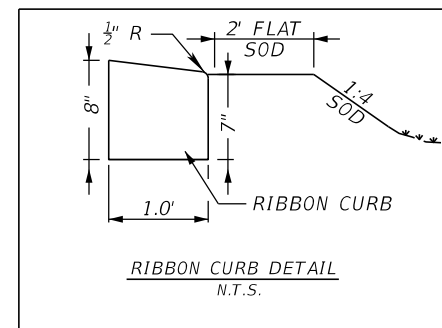
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TRAFFIC DATA

POSTED SPEED = 25 MPH
NO COUNTS AVAILABLE

RECONSTRUCTION

2.0" SP-12.5 ASPHALT
6" GRADED AGGREGATE BASE (98%
MODIFIED PROCTOR, LBR 100)
12" STABILIZATION (LBR 40)



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RENEE TERRACE DRAINAGE
IMPROVEMENTS

TYPICAL SECTIONS

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5

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GENERAL NOTES:

1. THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
2. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
3. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
4. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE, FLOATING TURBIDITY BARRIER AND/OR STAKED HAY BALES AS REQUIRED BY THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, JULY 2018 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
5. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
6. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE THEIR SELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
7. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELACEMENT REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
8. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
10. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
11. ALL MATERIALS, TESTING, AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
12. ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
13. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS. THE PROJECT IS PERMITTED BY NWFWM (GEN-033-314020-1)
14. ONLY ACCESS TO THE EASEMENTS AS SHOWN ARE GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
15. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:
 JOE BARRETT, PSM
 ESCAMBIA COUNTY ENGINEERING DEPARTMENT
 3363 WEST PARK PLACE
 PENSACOLA, FLORIDA 32505 PH (850) 595-3440
16. DIRECT SPECIAL ATTENTION TO THE PROTECTION OF ALL GEODETIC MONUMENTS, HORIZONTAL OR VERTICAL, AND PUBLIC LAND SURVEY CORNERS LOCATED WITHIN THE PROJECT. IF ANY GEODETIC MONUMENT OR PUBLIC LAND SURVEY CORNER, LOCATED WITHIN THE PROJECT, IS AT RISK OF BEING DAMAGED OR DESTROYED, IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE. IN ADDITION, CONTACT JOE BARRETT, ESCAMBIA COUNTY SURVEYOR, TO OBTAIN APPROVAL TO LOCATE AND REPLACE ANY DAMAGED OR DESTROYED GEODETIC MONUMENTS OR PUBLIC LAND SURVEY CORNERS UNDER THE DIRECTION OF A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA.
17. VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
18. ONLY TREES WHICH ARE IN DIRECT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. JIMMIE JARRATT, THE ESCAMBIA COUNTY ARBORIST, SHALL BE NOTIFIED AT (850) 595-3535, 48 HOURS PRIOR TO ANY TREE IMPACTS NOT PREVIOUSLY IDENTIFIED IN THE PLANS.
19. ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
20. PIPE LENGTHS SHOWN IN THE PLANS DO NOT INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. THEREFORE, ALL PIPES LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION.
21. IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
22. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

23. FINAL MAILBOX LOCATION'S MUST FOLLOW USPS GUIDANCE AND SHOULD BE NEAR THE EXISTING MAILBOX LOCATION OR TO SUIT OWNER.

UTILITY NOTES:

1. THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
2. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITY OWNERS ACCORDING TO THE SUNSHINE ONE CALL INCLUDE:

 WATER/SEWER - EMERALD COAST UTILITY AUTHORITY
 MR. JACOB KEARLEY
 PH: (850) 969-5823
 JACOB.KEARLEY@ECUA.FL.GOV

 COX COMMUNICATION
 MR. TROY YOUNG
 PH: (850) 857-4510
 TROY.YOUNG@COX.COM

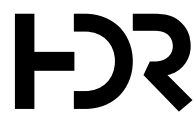
 NATURAL GAS - PENSACOLA ENERGY
 MR. ANDREW BRISKE
 PH: (850) 324-1852
 ABRISKE@CITYOFPENSACOLA.COM

 SUNSHINE STATE ONE-CALL
 7200 LAKE ELLENOR DRIVE, SUITE 200
 ORLANDO, FL. 32809 PH: (800) 432-4770

 ELECTRIC - FLORIDA POWER & LIGHT
 MR. STEPHEN HARRIS
 PH: (850) 516-8499
 STEPHEN.HARRIS@FPL.COM

 TELEPHONE - AT&T FLORIDA
 MR. TOM MANNING
 PH: (850) 463-5176
 TM2709@ATT.COM
3. CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD POWER LINES AND UNDERGROUND UTILITIES.
4. UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.
5. WATER SERVICE LINES SHALL BE LOCATED AND PROTECTED.

REVISIONS	
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 PENSACOLA, FL 32502-5945



ESCAMBIA COUNTY
 ENGINEERING DEPARTMENT

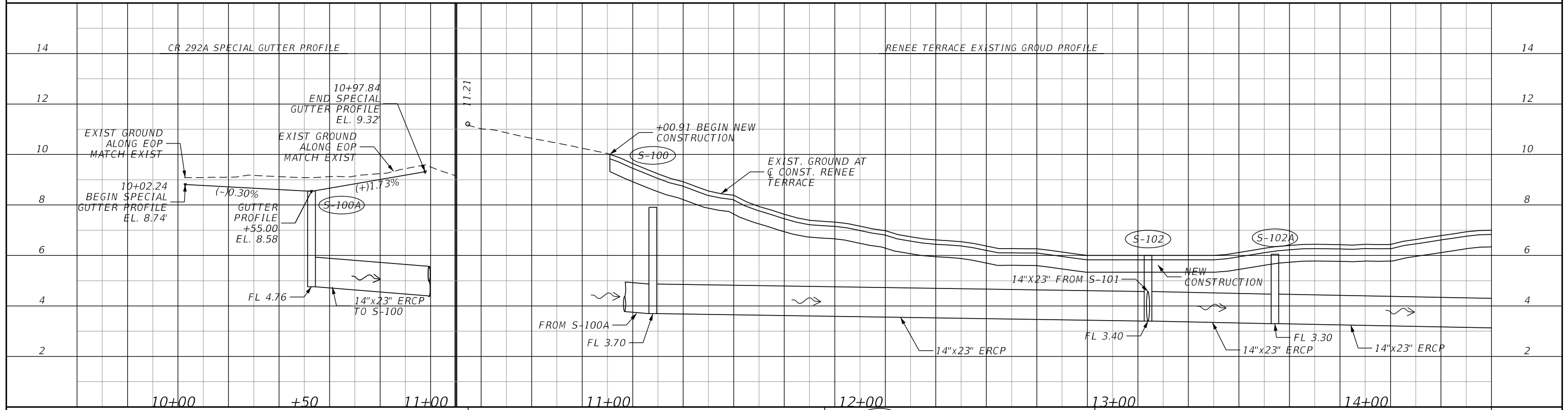
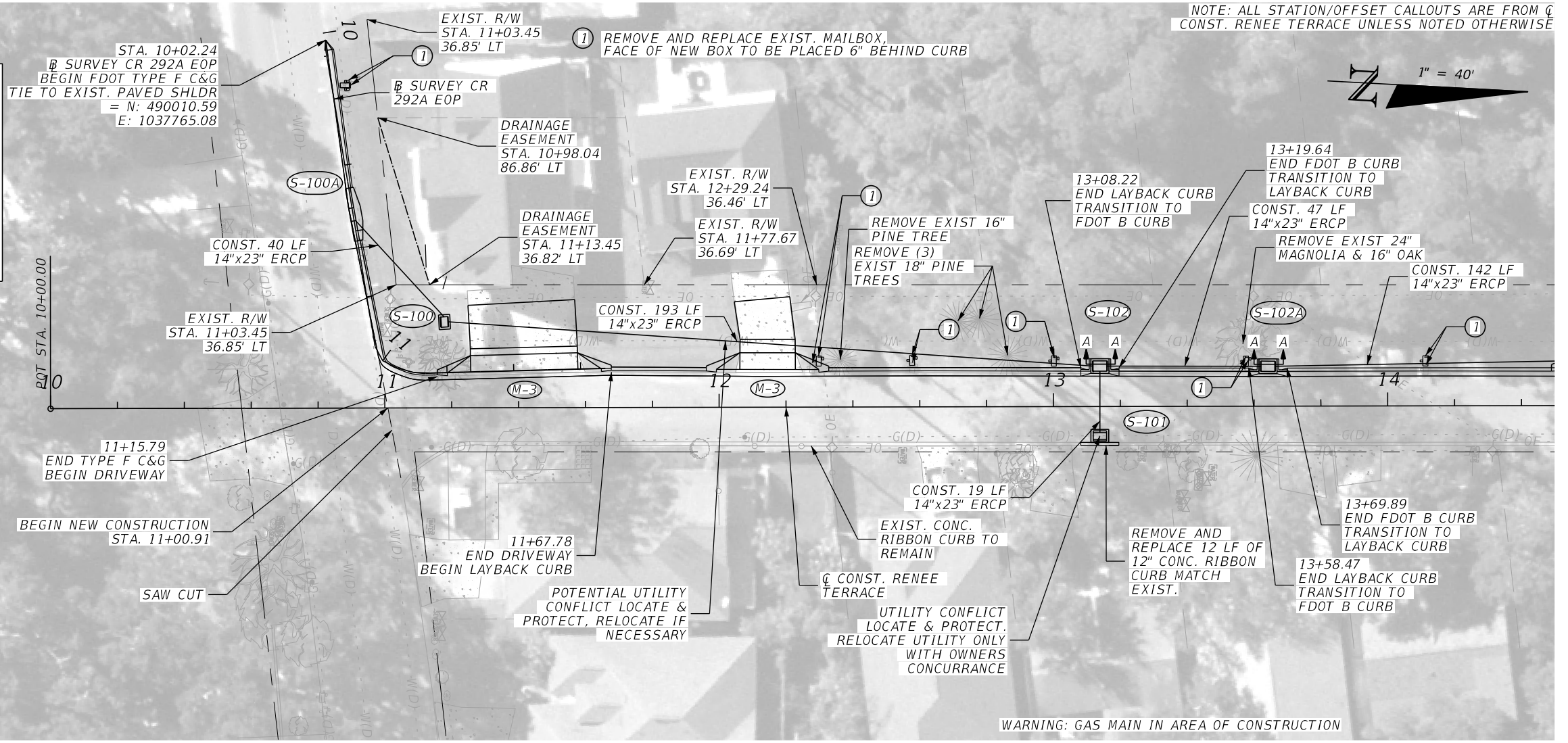
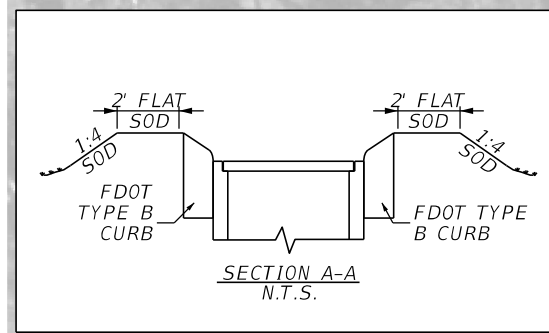
 RENEE TERRACE DRAINAGE
 IMPROVEMENTS

GENERAL NOTES

SHEET NO.

6

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DATE	REVISIONS DESCRIPTION

HDR

PHILLIP J. WALKER
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25 WEST CEDAR STREET, SUITE 200
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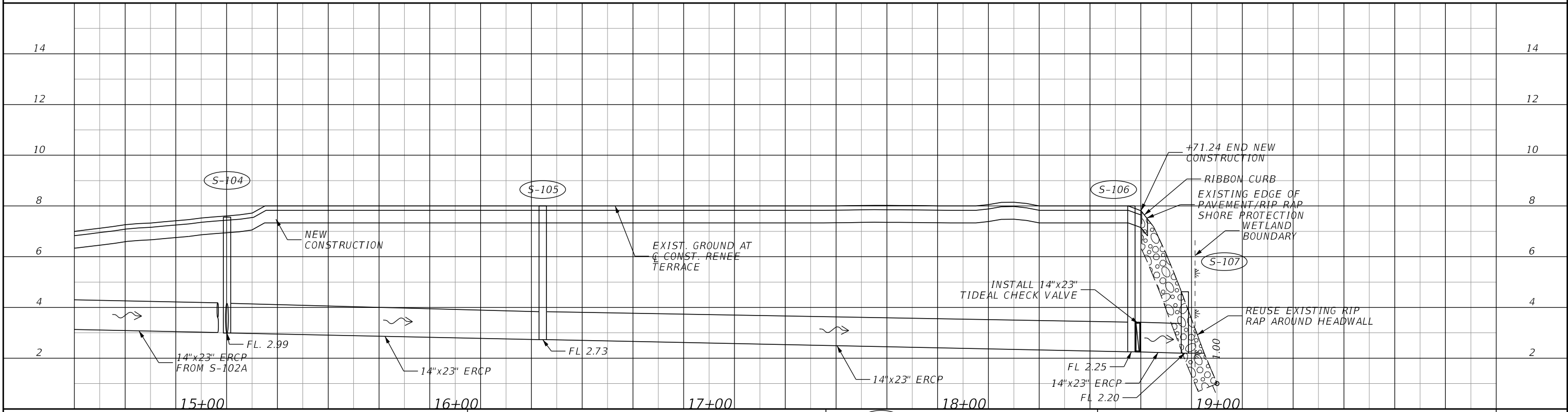
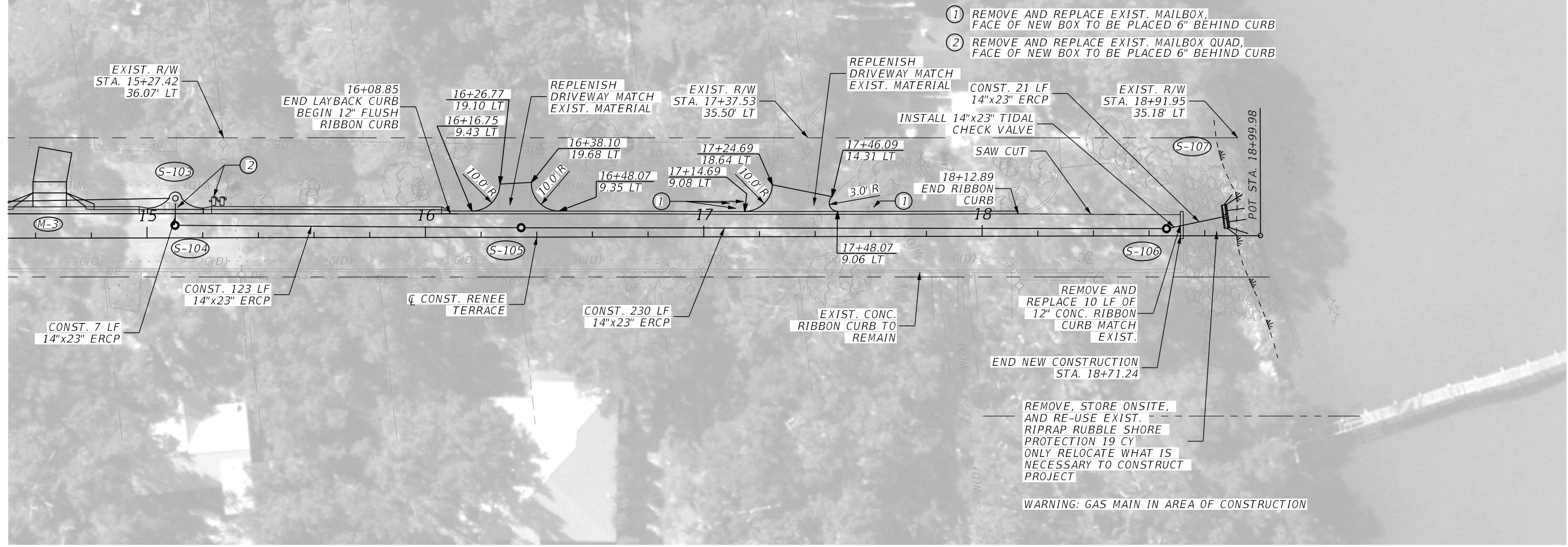
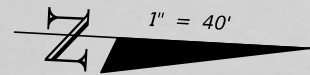
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ENGINEERING DEPARTMENT

RENEE TERRACE DRAINAGE IMPROVEMENTS

PLAN & PROFILE

SHEET NO. 7

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 ESCAMBIA COUNTY
 ENGINEERING DEPARTMENT

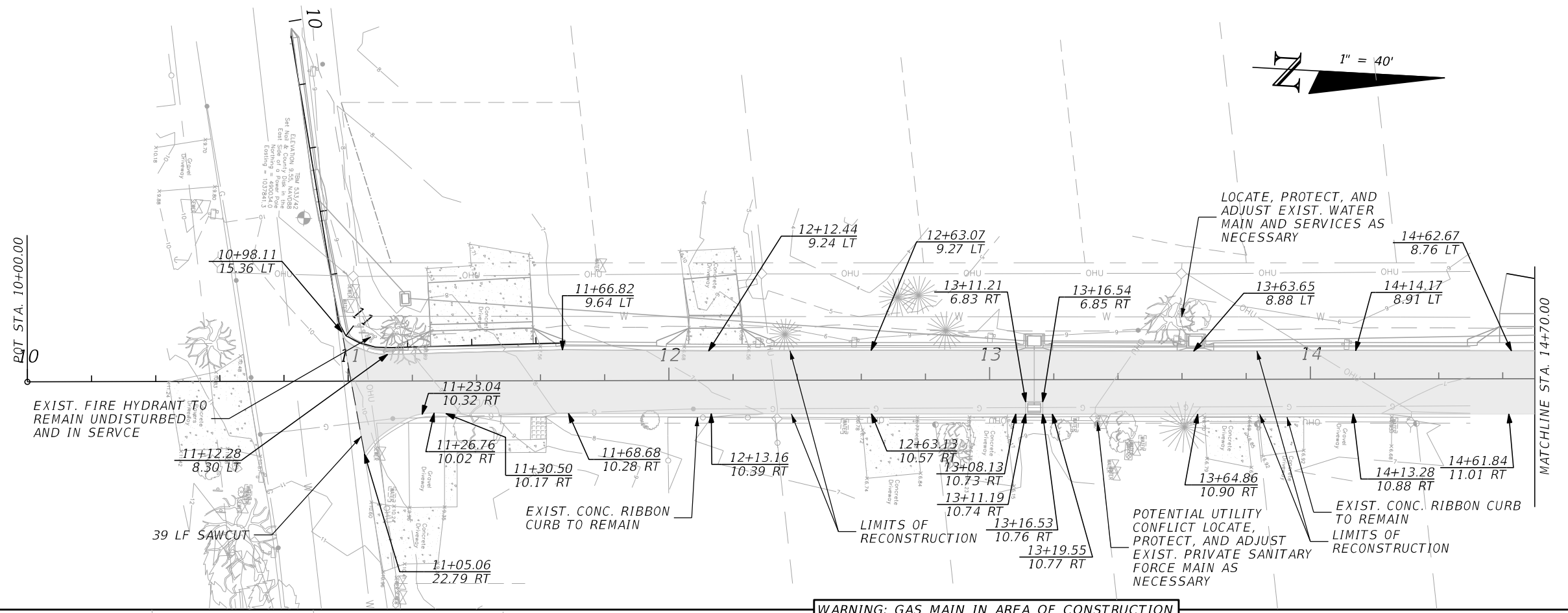
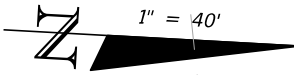
RENEE TERRACE DRAINAGE
 IMPROVEMENTS

PLAN & PROFILE

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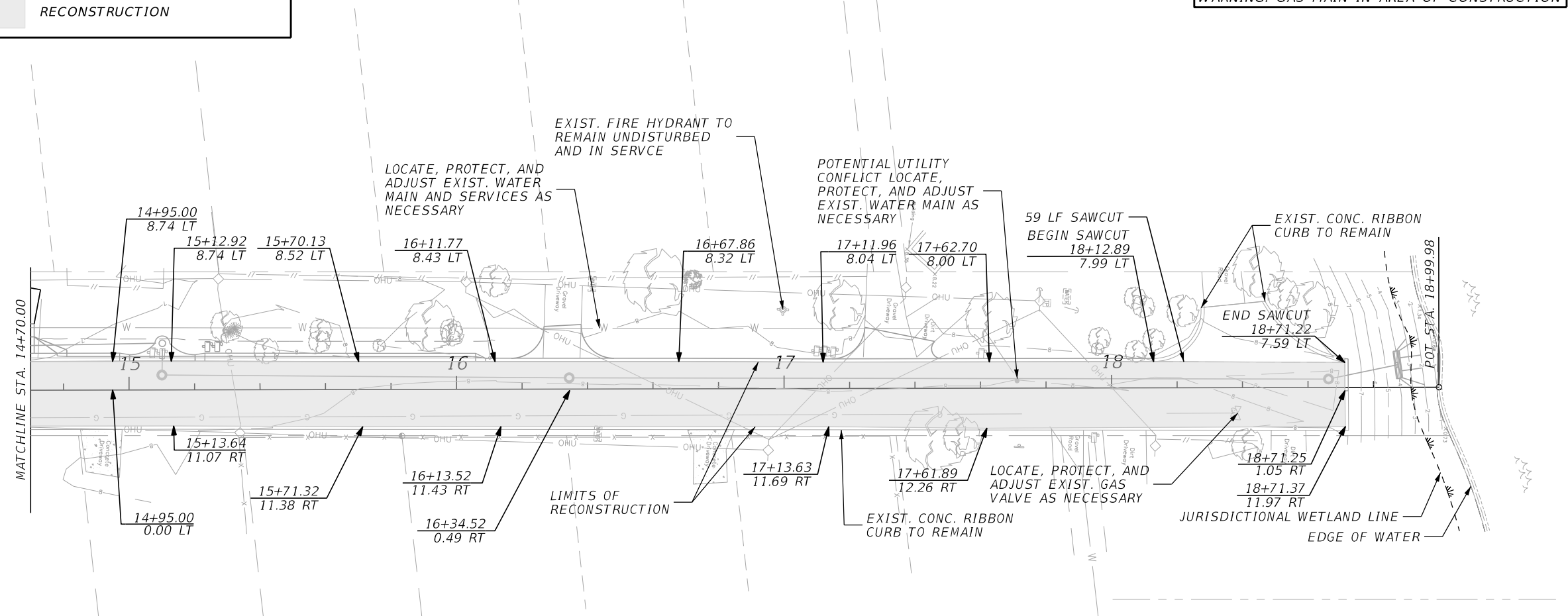
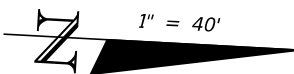
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LEGEND

RECONSTRUCTION

WARNING: GAS MAIN IN AREA OF CONSTRUCTION



REVISIONS	
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PENSACOLA, FL 32502-5945

ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
RENEE TERRACE DRAINAGE
IMPROVEMENTS

RECONSTRUCTION PLAN

SHEET NO.
9

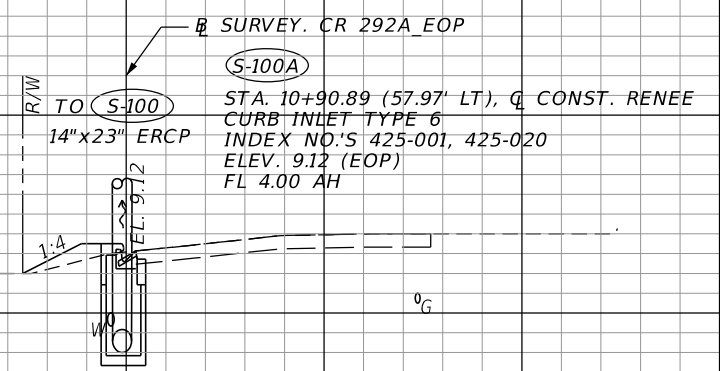
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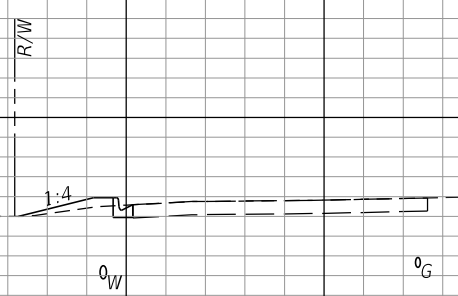
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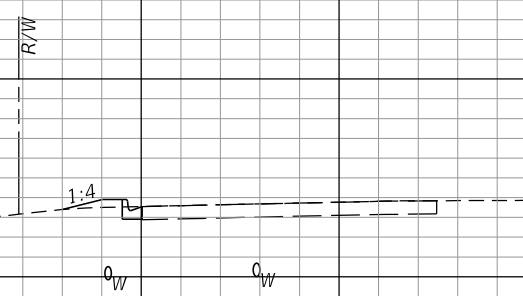
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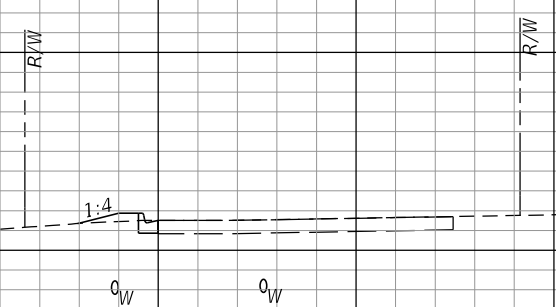
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10+40.00



10+20.00

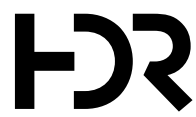


10+00.00


1" = 20' Horizontal
1" = 10' Vertical

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS	
DATE	DESCRIPTION



PHILLIP J. WALKER
P.E. LICENSE NUMBER 87701
HDR ENGINEERING, INC.
25 WEST CEDAR STREET, SUITE 200
PENSACOLA, FL 32502-5945

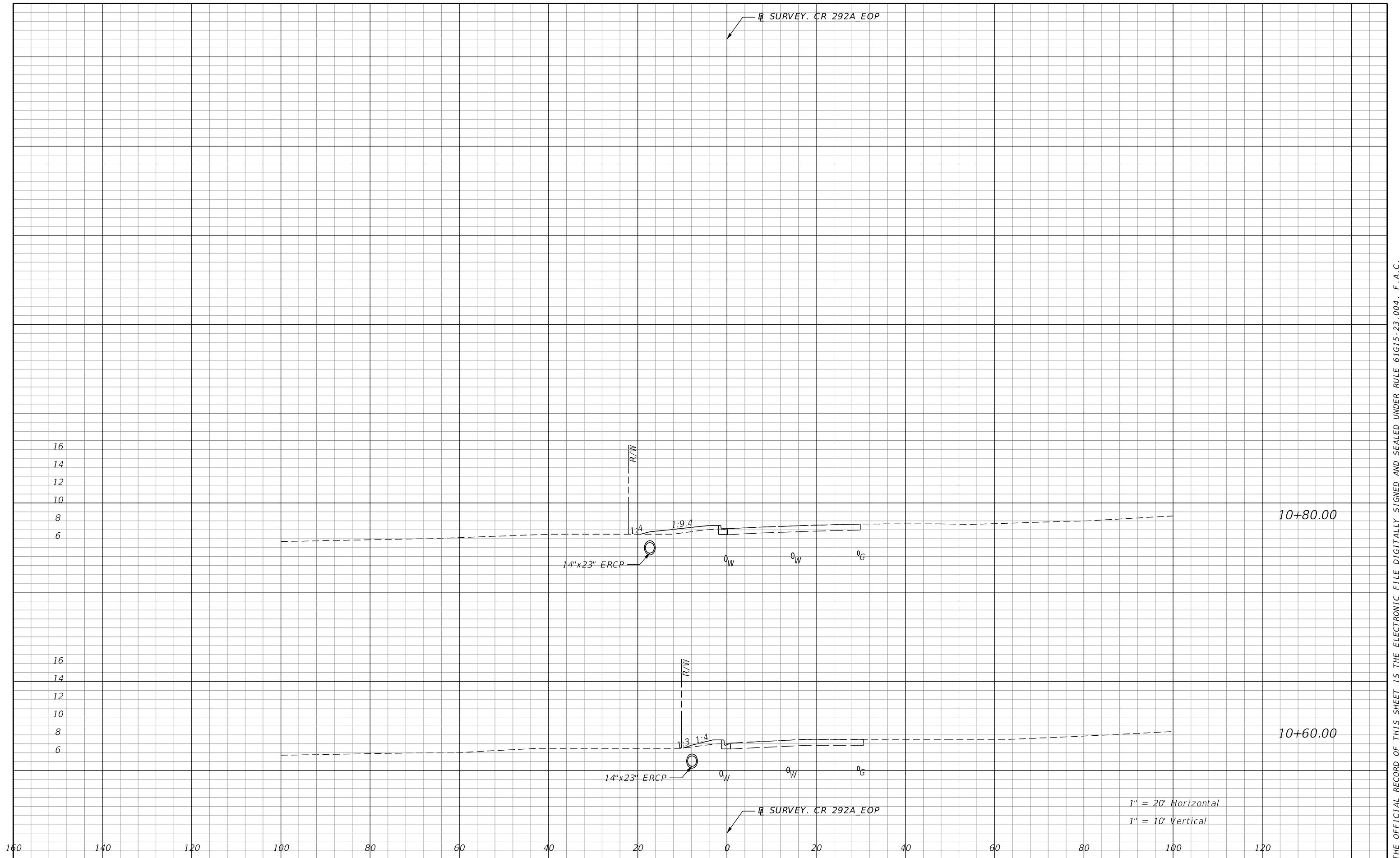


ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
RENEE TERRACE DRAINAGE
IMPROVEMENTS

CROSS SECTIONS

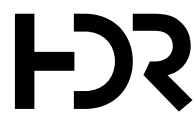
SHEET NO.
10

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1" = 20' Horizontal
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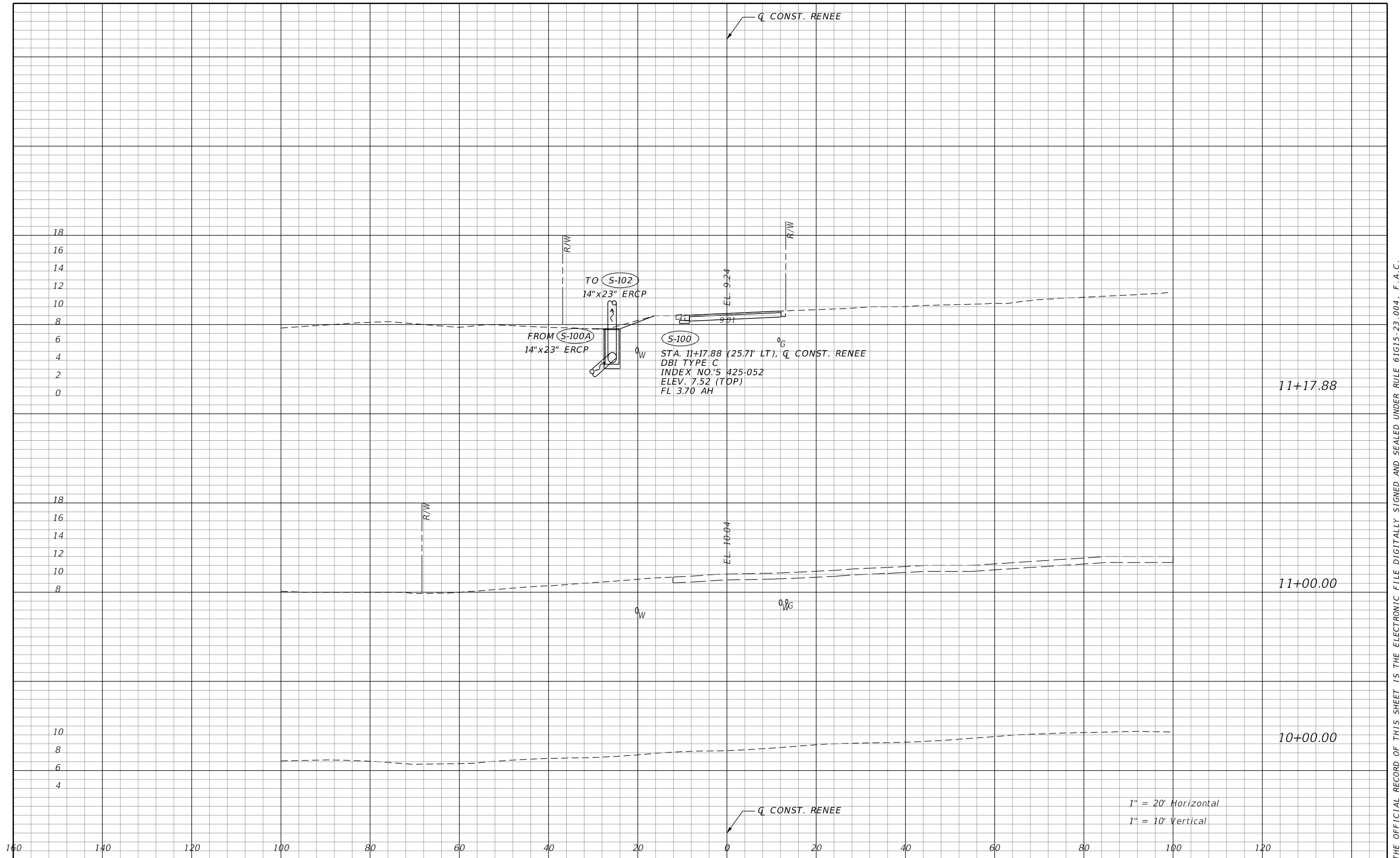


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 RENEE TERRACE DRAINAGE
 IMPROVEMENTS

CROSS SECTIONS


SHEET NO.
 11

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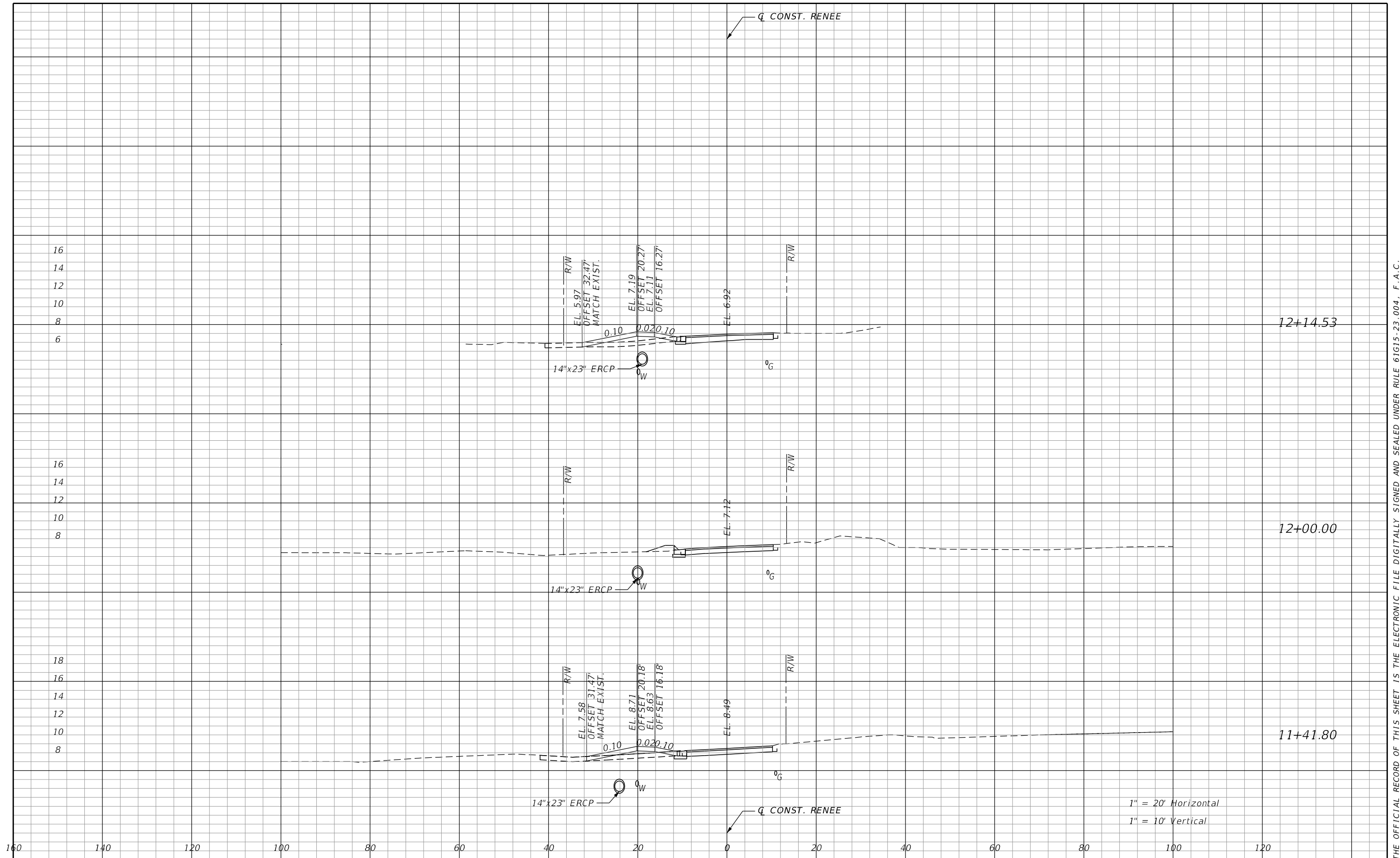


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 ENGINEERING DEPARTMENT
 RENEE TERRACE DRAINAGE
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SHEET NO.
 12

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ESCAMBIA COUNTY
 ENGINEERING DEPARTMENT
 RENEE TERRACE DRAINAGE
 IMPROVEMENTS

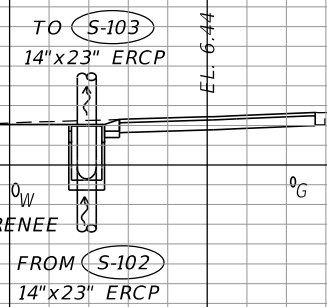
CROSS SECTIONS

SHEET NO.
 13

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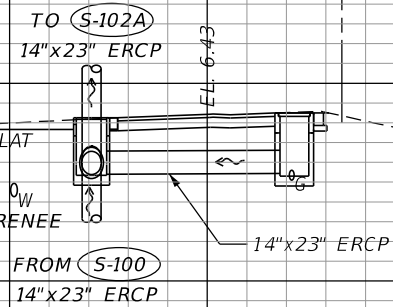
S-102A
 STA. 13+64.19 (11.91' LT), Q CONST. RENEE
 DBI TYPE D
 INDEX NO.'S 425-052
 ELEV. 6.05 (TOP)
 FL 3.30 AH
 FL 3.30 BK



13+64.19

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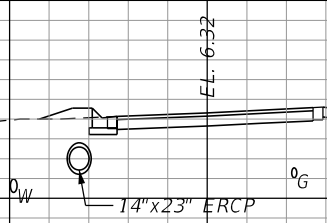
S-102
 STA. 13+13.94 (12.10' LT), Q CONST. RENEE
 DBI TYPE D (MODIFIED)
 INDEX NO.'S 425-052
 ELEV. 6.26 (TOP)
 LT SLOT EL. 5.66'
 FL 3.40 RT
 FL 3.40 AH
 FL 3.40 BK



S-101
 STA. 13+13.87 (8.80' RT), Q CONST. RENEE
 DBI TYPE F
 INDEX NO.'S 425-053
 ELEV. 6.49 (TOP)
 FL 3.44 LT

13+13.94

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13+00.00

1" = 20' Horizontal
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160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS	
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HDR

PHILLIP J. WALKER
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 25 WEST CEDAR STREET, SUITE 200
 PENSACOLA, FL 32502-5945

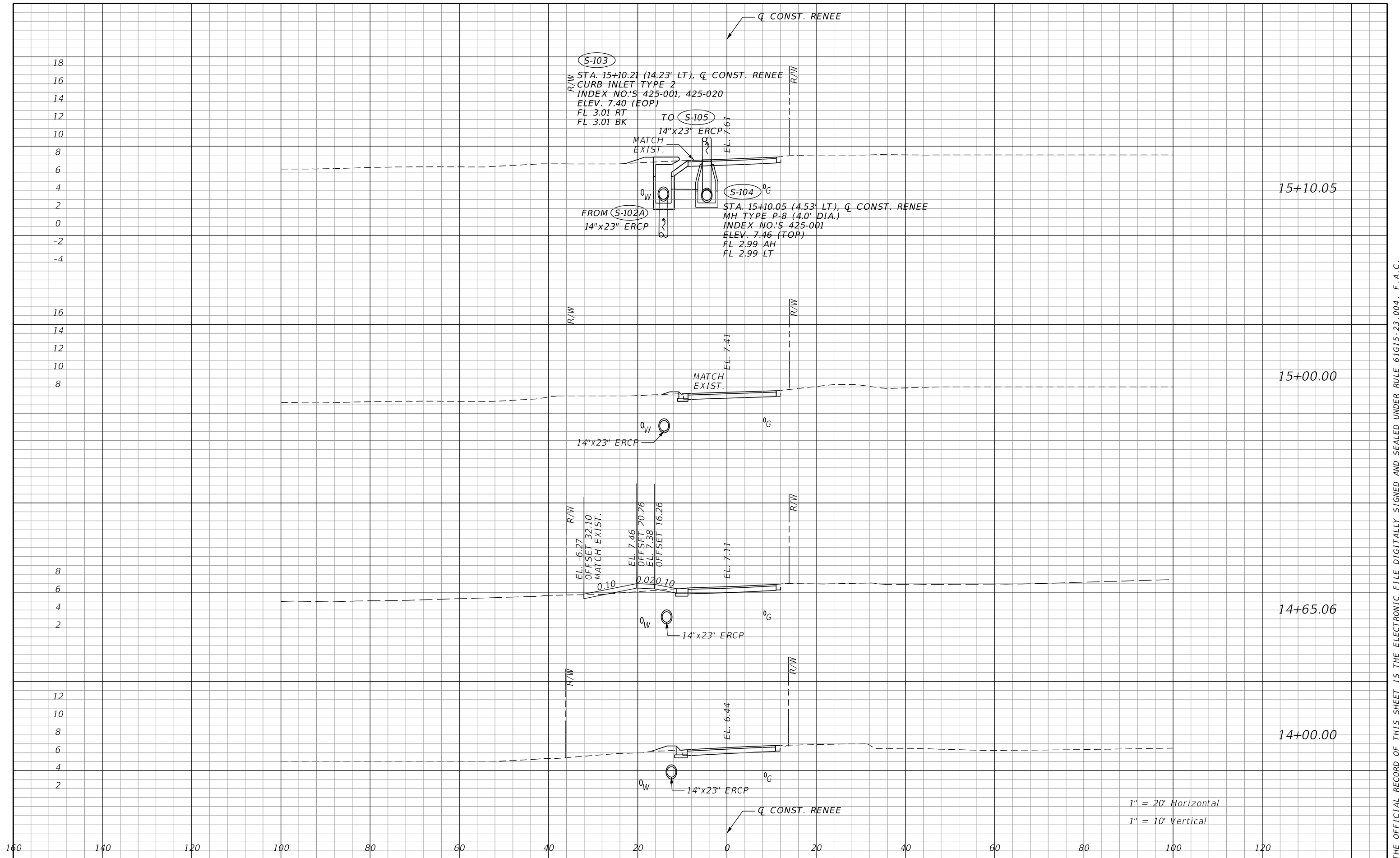
ESCAMBIA COUNTY
 ENGINEERING DEPARTMENT
 RENEE TERRACE DRAINAGE
 IMPROVEMENTS

CROSS SECTIONS

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SHEET NO.
14

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REVISIONS	
DATE	DESCRIPTION

HDR

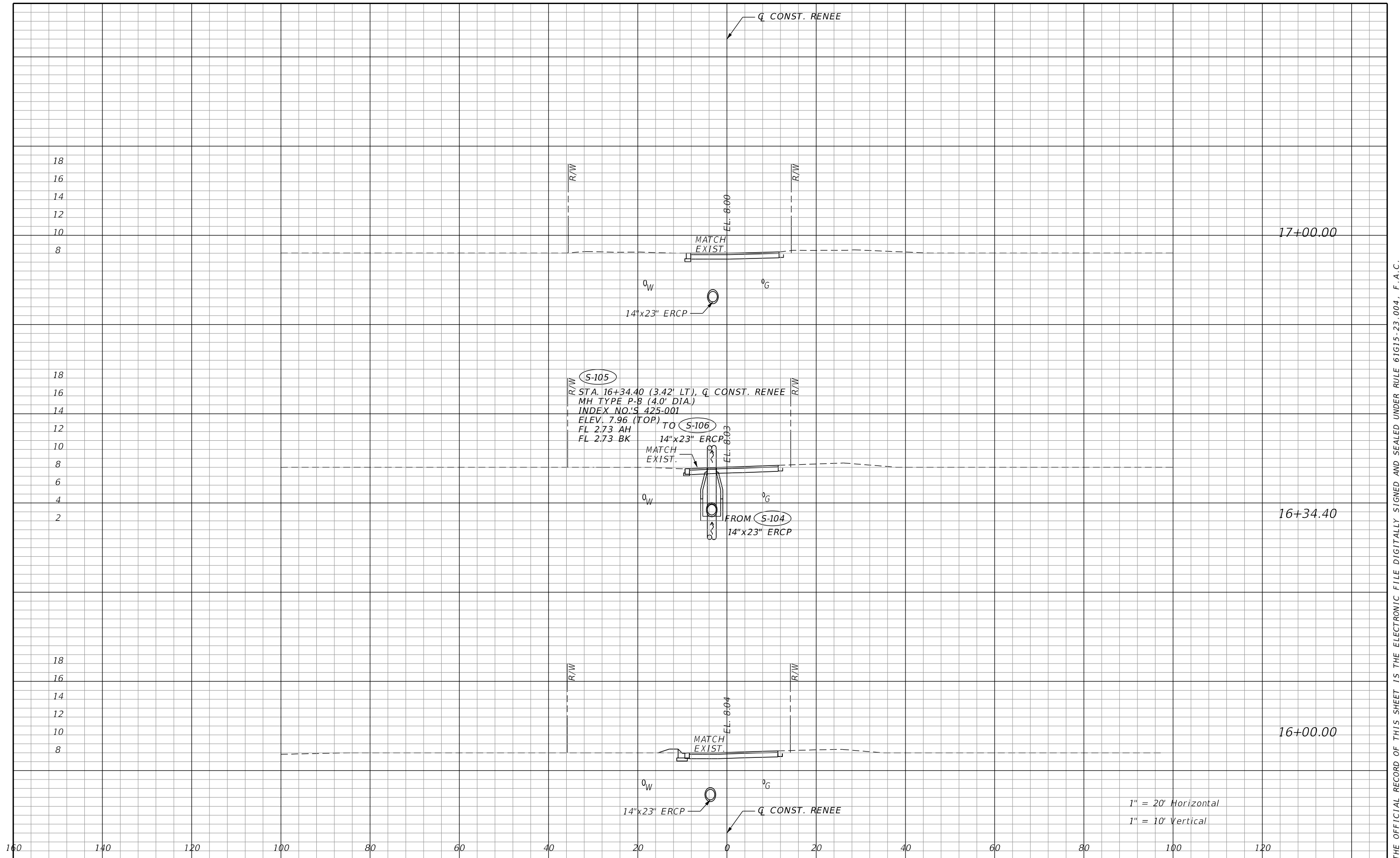
PHILLIP J. WALKER
 P.E. LICENSE NUMBER 87701
 HDR ENGINEERING, INC.
 25 WEST CEDAR STREET, SUITE 200
 PENSACOLA, FL 32502-5945

ESCAMBIA COUNTY
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 IMPROVEMENTS

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SHEET NO.
 15

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1" = 10' Vertical

REVISIONS	
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P.E. LICENSE NUMBER 87701
HDR ENGINEERING, INC.
25 WEST CEDAR STREET, SUITE 200
PENSACOLA, FL 32502-5945

ESCAMBIA COUNTY
FLORIDA

ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
RENEE TERRACE DRAINAGE
IMPROVEMENTS

CROSS SECTIONS

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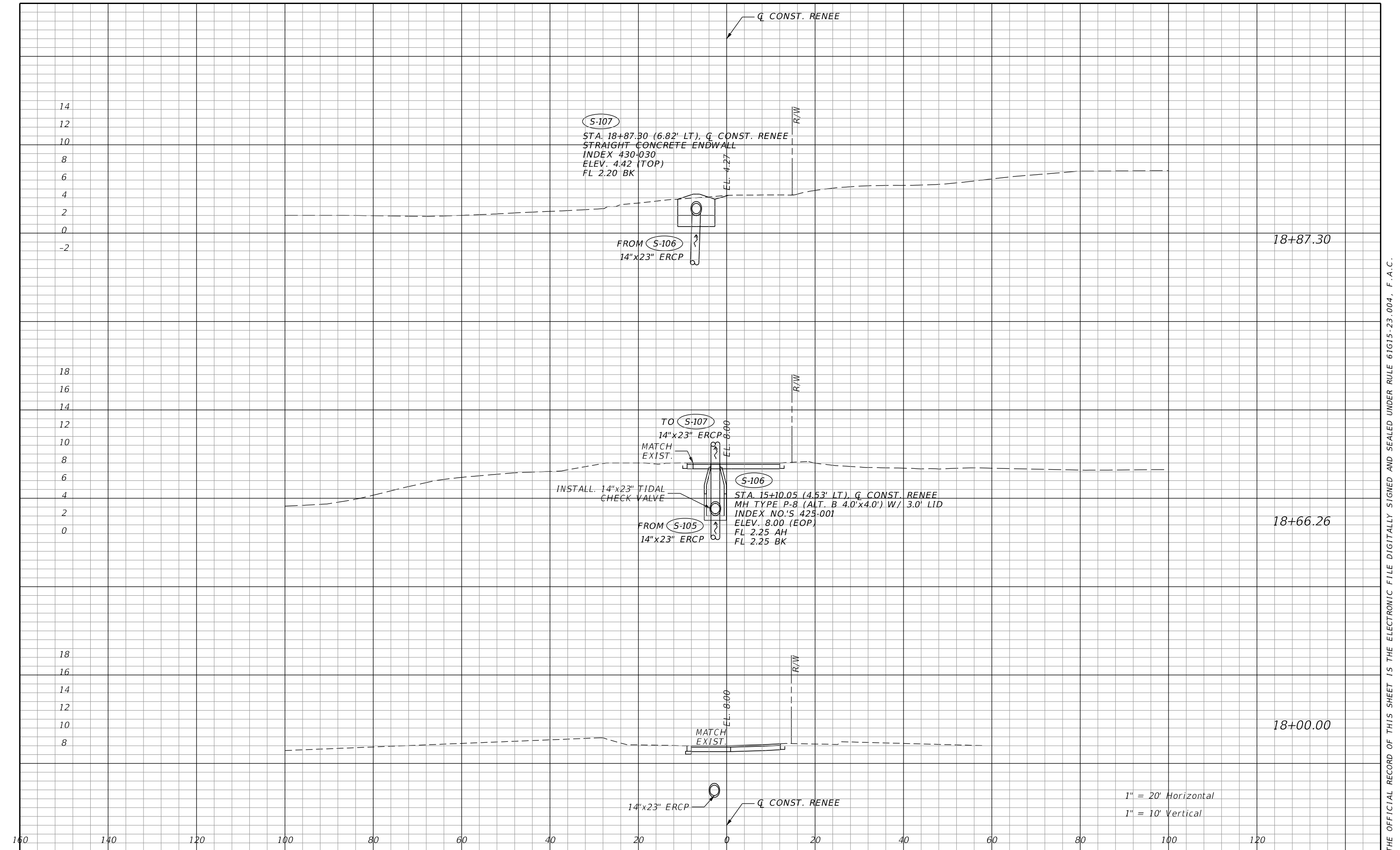
SHEET NO.
16

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S-107
STA. 18+87.30 (6.82' LT), Q CONST. RENEE
STRAIGHT CONCRETE ENDWALL
INDEX 430-030
ELEV. 4.42 (TOP)
FL 2.20 BK

FROM S-106
14"x23" ERCP

TO S-107
14"x23" ERCP

INSTALL. 14"x23" TIDAL
CHECK VALVE

S-106
STA. 15+10.05 (4.53' LT), Q CONST. RENEE
MH TYPE P-8 (ALT. B 4.0'x4.0') W/ 3.0' LID
INDEX NO.'S 425-001
ELEV. 8.00 (EOP)
FL 2.25 AH
FL 2.25 BK

FROM S-105
14"x23" ERCP

MATCH
EXIST.

14"x23" ERCP

1" = 20' Horizontal
1" = 10' Vertical

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS	
DATE	DESCRIPTION

HDR
 PHILLIP J. WALKER
 P.E. LICENSE NUMBER 87701
 HDR ENGINEERING, INC.
 25 WEST CEDAR STREET, SUITE 200
 PENSACOLA, FL 32502-5945

ESCAMBIA COUNTY
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 RENEE TERRACE DRAINAGE
 IMPROVEMENTS

CROSS SECTIONS

SHEET
NO.
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SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN

THE CONTRACTOR'S PROFESSIONAL ENGINEER (PE), OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) WILL PREPARE AND SUBMIT A SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN TO ESCAMBIA COUNTY FOR REVIEW AND APPROVAL PRIOR TO ANY WORK BEING PERFORMED. THE EROSION AND SEDIMENT CONTROL PLAN SHALL FOLLOW GUIDELINES DOCUMENTED IN THE STATE OF FLORIDA, EROSION AND SEDIMENT CONTROL - DESIGNER AND REVIEWER MANUAL, DATED JUNE 2007, UPDATED 2013 (<http://www.fdot.gov/roadway/drainage/files/Erosion-Sediment-Control.pdf>).

AT A MINIMUM, THE EROSION AND SEDIMENT CONTROL PLANS FOR THIS PROJECT REQUIRE SEDIMENT BARRIER TO BE PLACED WHERE THERE IS POTENTIAL FOR TURBID STORMWATER RUNOFF TO DISCHARGE OFF-SITE. INLET PROTECTION IS REQUIRED FOR ALL INLETS THAT COULD RECEIVE RUNOFF FROM DISTURBED AREAS. ARTIFICIAL COVERINGS AND TEMPORARY SLOPE DRAINS ARE REQUIRED IN AREAS WITH HIGH SLOPES. RUNOFF CONTROL STRUCTURES WILL BE REQUIRED WITHIN ALL CHANNELS. A SOIL TRACKING PREVENTION DEVICE SHALL BE INSTALLED AT POINTS OF EGRESS FROM UN-STABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFF-SITE TRACKING OF MUD COULD OCCUR.

PAY PARTICULAR ATTENTION TO THE PROTECTION OF UPLAND BUFFERS, NON-IMPACTED WETLANDS, AND SURFACE WATERS ADJACENT TO THE LIMITS OF WORK TO PREVENT TURBID DISCHARGES TO THESE AREAS.

THE MEASURES LISTED ABOVE AND SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATIONS AND PHASING.

1. SITE DESCRIPTION:

CONSTRUCTION ACTIVITY INCLUDES NEW CONSTRUCTION, STORM SEWER, DITCH GRADING, AND SEDIMENT BASIN GRADING.

PROJECT LIMITS:
5991 RENEE TERRACE, PENSACOLA, FL 32507

PROJECT DESCRIPTION:
CONSTRUCTION OF STORMWATER OUTFALL SYSTEM TO REDUCE THE FREQUENCY OF CLOSED BASIN FLOODING AND IMPROVE LOCAL CONVEYANCE.
THE MAJOR SOIL DISTURBING ACTIVITIES INCLUDE STORM DRAIN, DRIVEWAY, AND ROADWAY RECONSTRUCTION.

TOTAL AREA TO BE DISTURBED:

RUNOFF COEFFICIENTS:
C= 0.60 (BEFORE)
C= 0.75 (DURING)
C= 0.60 (AFTER)

(2) ESTIMATES OF SIZE OF PROJECT AREA FOR EACH OUTFALL:
PERDIDO BAY. STORM DRAIN SYSTEM - TOTAL AREA 1.66 ACRES

(3) LOCATIONS OF OUTFALLS:
OUTFALL TO PERDIDO BAY: LAT N30° 18' 59.47", LONG. W87° 26' 59.48"

(4) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:
SOILS ARE PRIMARILY RESOTA SAND.

2. CONTROLS:

TEMPORARY EROSION CONTROL MEASURES ARE SHOWN ON THE EROSION CONTROL PLANS AND PERMANENT EROSION CONTROL MEASURES ARE SHOWN IN THE CONSTRUCTION PLANS.

a. EROSION AND SEDIMENT CONTROLS:

- (1) STABILIZATION PRACTICES:
- | | |
|---|--|
| <input checked="" type="checkbox"/> TEMPORARY SODDING | <input checked="" type="checkbox"/> ARTIFICIAL COVERING |
| <input type="checkbox"/> TEMPORARY GRASSING | <input checked="" type="checkbox"/> BUFFER ZONES |
| <input checked="" type="checkbox"/> PERMANENT PLANTING, SODDING, OR SEEDING | <input type="checkbox"/> PRESERVATION OF NATURAL RESOURCES |
| <input type="checkbox"/> TEMPORARY MULCHING | |
- LOCATION OF ARTIFICIAL COVERING IS TO BE DETERMINED BASED ON SITE CONDITIONS
-THIS LIST MAY NOT INCLUDE ALL MEASURES BASED ON ACTUAL SITE CONDITIONS

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 14 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

OTHER:

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(2) STRUCTURAL PRACTICES:

- | | |
|---|--|
| <input type="checkbox"/> SAND BAGGING | <input type="checkbox"/> SEDIMENT TRAPS |
| <input checked="" type="checkbox"/> SEDIMENT BARRIER | <input type="checkbox"/> SEDIMENT BASINS |
| <input type="checkbox"/> SYNTHETIC BALES | <input type="checkbox"/> STORM INLET SEDIMENT TRAP |
| <input checked="" type="checkbox"/> BERMS | <input type="checkbox"/> STONE OUTLET STRUCTURES |
| <input type="checkbox"/> DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES | <input type="checkbox"/> CURBS AND GUTTERS |
| <input type="checkbox"/> PIPE SLOPE DRAINS | <input checked="" type="checkbox"/> STORM SEWERS |
| <input type="checkbox"/> FLUMES | <input checked="" type="checkbox"/> VELOCITY CONTROL DEVICES |
| <input checked="" type="checkbox"/> ROCK BEDDING AT CONSTRUCTION EXIT | <input type="checkbox"/> FLOATING TURBIDITY BARRIER |
| <input type="checkbox"/> TIMBER BEDDING AT CONSTRUCTION EXIT | <input checked="" type="checkbox"/> RIPRAP |
| <input type="checkbox"/> RUNOFF CONTROL STRUCTURE | <input checked="" type="checkbox"/> WATTLES |
| <input checked="" type="checkbox"/> INLET PROTECTION | |

LOCATIONS OF STORM DRAINS, AND RIP RAP ARE SHOWN ON THE CONSTRUCTION PLANS. THIS LIST MAY NOT INCLUDE ALL CONTROL MEASURES. ACTUAL SITE CONDITIONS MAY REQUIRE ADDITIONAL CONTROL MEASURES.

SEDIMENT BARRIER WILL BE USED TO PROTECT ALL UNDISTURBED WETLANDS.

OTHER:

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

b. DESCRIPTION OF SEDIMENT BASINS:

c. OTHER CONTROLS

(1) WASTE DISPOSAL:
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

- (2) OFFSITE VEHICLE TRACKING:
- | |
|--|
| <input checked="" type="checkbox"/> HAUL ROADS DAMPENED FOR DUST CONTROL |
| <input checked="" type="checkbox"/> LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN |
| <input checked="" type="checkbox"/> EXCESS DIRT ON ROAD REMOVED DAILY |
| <input checked="" type="checkbox"/> STABILIZED CONSTRUCTION ENTRANCES |

OTHER:

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(3) SANITARY WASTE:
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(4) FERTILIZERS AND PESTICIDES:
FERTILIZER WILL BE APPLIED ACCORDING TO APPLICABLE SUBSECTIONS OF THE ESCAMBIA COUNTY GENERAL PAVING & DRAINAGE TECHNICAL SPECIFICATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THE USE OF PESTICIDES IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.

(5) TOXIC SUBSTANCES (INCLUDING SPILL REPORTING):
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE COUNTY PROJECT MANAGER IMMEDIATELY.

d. FEDERAL, STATE, AND LOCAL PLANS, AND PERMITS:
- NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT, 1/2 GENERAL PERMIT (403.814 (12) F.S)
- FDEP NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION SITE, (CH 62-621 FAC) TO BE OBTAINED BY THE CONTRACTOR
- THERE ARE NO WETLANDS IN THE PROJECT LIMITS

3. MAINTENANCE:

MAINTENANCE OF PERMANENT AND TEMPORARY FEATURES SHALL BE DONE IN ACCORDANCE WITH THE ESCAMBIA COUNTY GENERAL PAVING & DRAINAGE TECHNICAL SPECIFICATIONS.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE COUNTY.



4. INSPECTION:

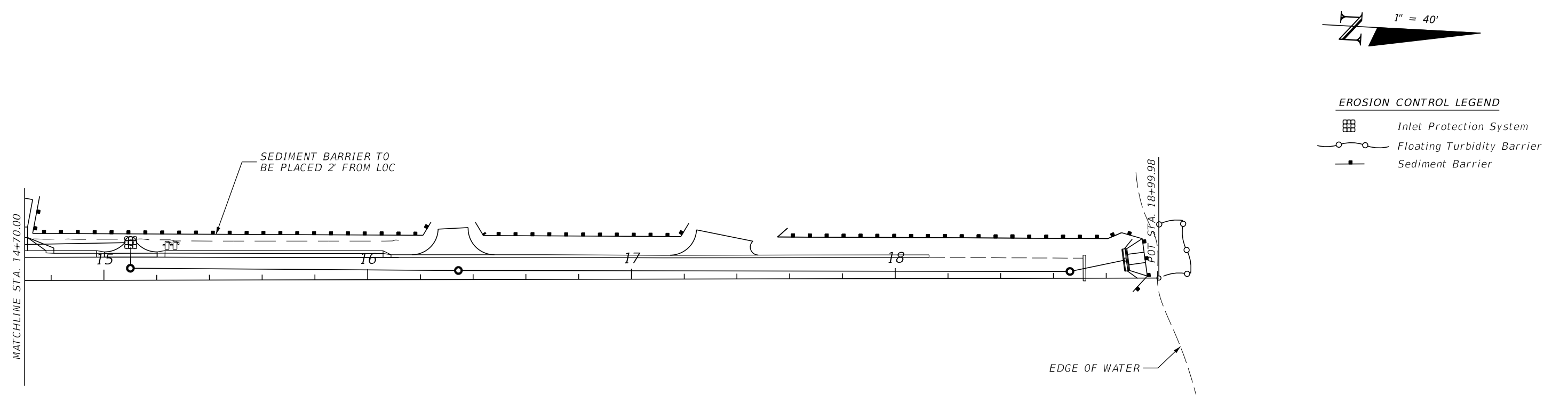
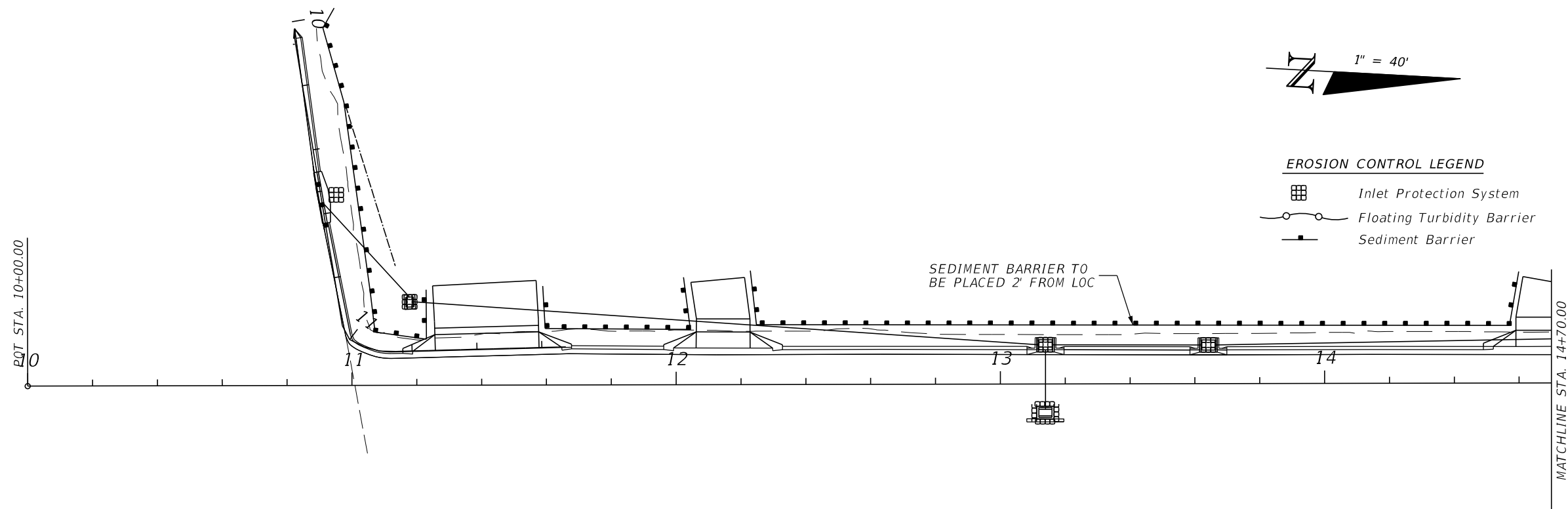
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INSPECTIONS OF EROSION CONTROL FEATURES. QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.25 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

- POINTS OF DISCHARGE FROM THE PROJECT SITE
- DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
- AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
- STRUCTURAL CONTROLS
- SEDIMENT BASINS
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

5. NON-STORMWATER ACTIVITIES:

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS AND IDENTIFYING ALL ANTICIPATED NON-STORMWATER DISCHARGES.

REVISIONS			PHILLIP J. WALKER P.E. LICENSE NUMBER 87701 HDR ENGINEERING, INC. 25 WEST CEDAR STREET, SUITE 200 PENSACOLA, FL 32502-5945		ESCAMBIA COUNTY ENGINEERING DEPARTMENT RENEE TERRACE DRAINAGE IMPROVEMENTS	<h2 style="margin: 0;">STORM WATER POLLUTION PREVENTION PLAN</h2>	SHEET NO.
DATE	DESCRIPTION						18



REVISIONS	
DATE	DESCRIPTION



PHILLIP J. WALKER
 P.E. LICENSE NUMBER 87701
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ESCAMBIA COUNTY
 ENGINEERING DEPARTMENT
 RENEE TERRACE DRAINAGE
 IMPROVEMENTS

EROSION CONTROL PLAN

SHEET NO.
 19

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