

BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY, FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING / INFRASTRUCTURE DIVISION

INDEX OF ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION 1 GENERAL NOTES & MASTER LEGEND 2 EROSION CONTROL DETAILS & NOTES 3 PROPOSED CENTERLINE GEOMETRY, KEY SHEET & BENCHMARK LOCATIONS 4 DRAINAGE MAP 5 SUMMARY OF QUANTITIES & UTILITY CONFLICT MATRIX 6~7 EXISTING CONDITIONS & DEMOLITION PLAN 8~12 PLAN & PROFILE 13 STRIPING, SIGNAGE & INTERSECTION PLAN 14~21 CROSS SECTION 22~25 DETAILS

UA ENGINEERING MANUAL REFERENCE NOTE*

*APPLICABLE ONLY TO ECUA INFRASTRUCTURE TO BE CONSTRUCTED IN PUBLIC ROW OR IN UTILITY

ASEMENT; NOT TO BE APPLIED TO PRIVATE WATER/SEWER FACILITIES ON PRIVATE PROPERTY (SEE BUILDING CODI

A. ECUA ENGINEERING MANUAL INCORPORATED BY REFERENCE

SIGNALIZATION PLANS

THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH UPDATE # 1 DATED SEPTEMBER 1, 2016 (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA.FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD FOR PROPER RESOLUTION.

B. ADDITIONAL DOCUMENTS (TO BE COMPLETED BY THE ENGINEER OF RECORD)

DOES THIS PROJECT HAVE ADDITIONAL TECHNICAL SPECIFICATIONS OR CONSTRUCTION DETAILS THAT SUPERSEDE THE MANUAL LISTED ABOVE?

□YES 🗶

IF YES, CONTRACTOR SHALL CONSTRUCT PROJECT IN ACCORDANCE WITH SAID DOCUMENTS AS LISTED AND LOCATED BELOW:

DOCUMENT NAME	DOCUMENT TYPE		LOCATION		
	SPECIFICATION	DETAIL	PLANS	PROJECT MANUAL*	

*PROJECT MANUALS USED ONLY WITH ECUA CIP PROJECTS

C. ENGINEER OF RECORD RESPONSIBILITIES

THE ENGINEERS OF RECORD (EORS) THAT HAVE AFFIXED THEIR SEALS AND SIGNATURES ON THESE PLANS WARRANT THEIR PORTIONS OF THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE MANUAL (UNLESS OTHERWISE DIRECTED BY THE ECUA PROJECT ENGINEER). THE EORS SHALL BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND SHALL ASSUME RESPONSIBILITY FOR ITS USE ON THIS PROJECT.

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 REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

PLANS PROPOSED FOR

CR97 AND CR297A INTERSECTION AND DRAINAGE IMPROVEMENT PROJECT

100% CONSTRUCTION PLANS March 24, 2022

COMMISSIONERS

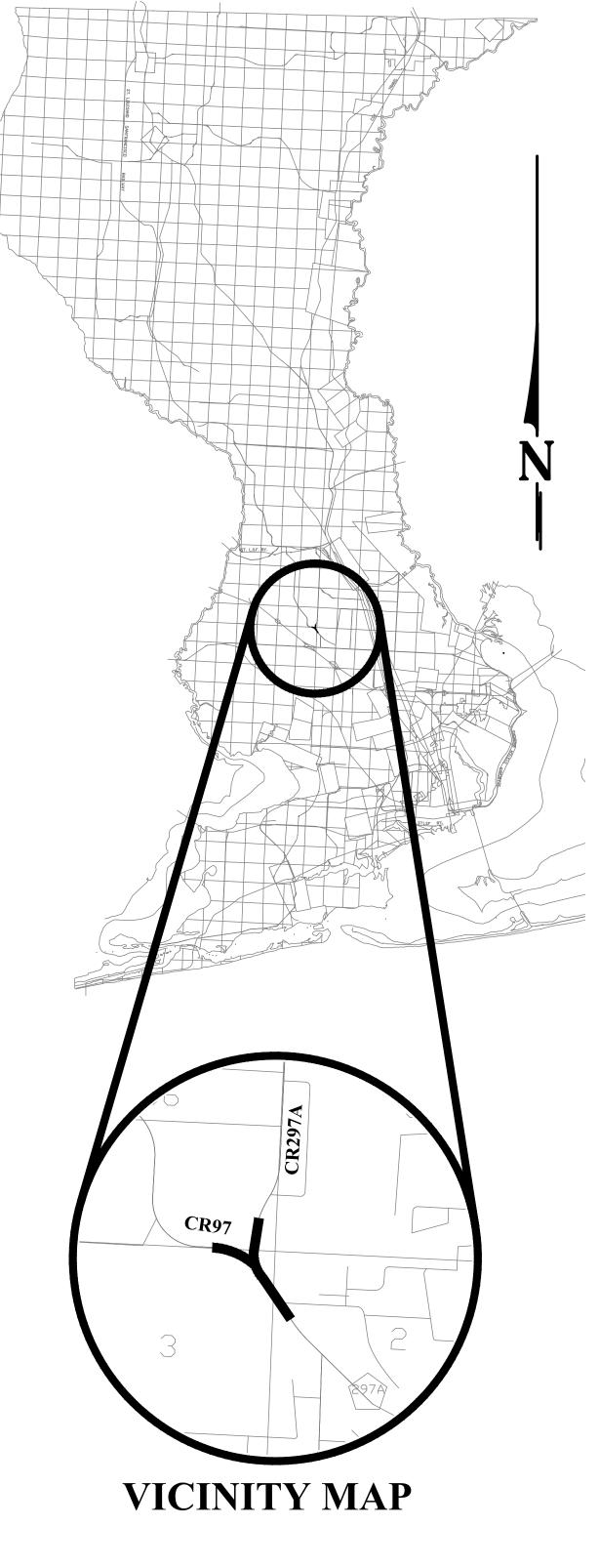
DISTRICT ONE JEFF BERGOSH, VICE CHAIRMAN

DISTRICT TWO DOUG UNDERHILL

DISTRICT THREE LUMON MAY

DISTRICT FOUR ROBERT BENDER, CHAIMAN

DISTRICT FIVE STEVEN BARRY



PROJECT LENGTH ±0.3 MILES

PROJECT MANAGER:		
G. DANS		
SECTION / TOWNSHIP / RANGE:	DISTRICT:	
2 & 3 / 1S / 31W; 36 & 37 / 1N / 31W	5	
PROJECT ENGINEER:	REG FLA ENG NO:	
JEREMY R. KING, P.E.	76144	
SIGNATURE:	DATE:	

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. 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.
- 4. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- 5. 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 AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 104. THE FLORIDA STORMWATER. EROSION. AND SEDIMENT CONTROL INSPECTOR'S MANUAL, LATEST 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. REFER TO SHEETS 2-3 FOR STORMWATER POLLUTION PREVENTION PLAN & TYPICAL DETAILS.
- 6. ANY NECESSARY PERMITS NOT PROVIDED IN THE PROJECT MANUAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
- 7. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
- 8. 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 RÉSPONSIBLE FOR RELACEMENT 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.
- 9. ALL FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF STATE LANDS, BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTATION SHALL BE PROTECTED AT ALL TIMES. ANY DISTURBANCE TO SAID MONUMENTS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE WITH NO COMPENSATION FROM THE
- 10. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
- 11. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- 12. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- 13. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS. LATEST EDITION.
- 14. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- 15. 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.
- 16. EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 17. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES EXCEPT WHEN DETOURS APPLY. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY. IF THE ROADWAY REQUIRES CLOSURE FOR IMPROVEMENTS THE CONTRACTOR SHALL SUBMIT A DETOUR PLAN TO THE COUNTY AND EMERGENCY RESPONSE AGENCIES AT LEAST 72 HOURS PRIOR TO ROAD CLOSURE.
- 18. THE USE OF VARIABLE MESSAGE BOARDS WILL BE REQUIRED.
- 19. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
- 20. ONLY ACCESS TO THE ROAD R/W AS SHOWN IS 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.
- 21. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

REBOL-BATTLE AND ASSOCIATES 2301 N. NINTH AVENUE, SUITE 300 PENSACOLA, FLORIDA 32503 850-438-0400

- 22. 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.
- 23. SOD RIGHT-OF-WAY IN ACCORDANCE WITH COUNTY SPECIFICATION SECTION 2900 WHICH REQUIRES CENTIPEDE SOD OR SOD MATCHING THE EXISTING GRASS TYPE OF ESTABLISHED YARDS.
- 24. 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.
- 25. EXISTING DRAINAGE FEATURES WITHIN LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED IN PLANS.
- 26. ALL COMPACTED FILL SHALL BE PLACED IN LIFTS NOT MORE THAN 12" IN LOOSE DEPTH FOR MATERIALS COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIALS COMPACTED BY HAND OPERATED TAMPERS.
- 27. MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 600.
- 28. ALL EXISTING MAILBOXES INTERFERING WITH NEW CONSTRUCTION SHALL BE RELOCATED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH POSTAL REQUIREMENTS. ALL EXISTING BRICK MAILBOXES WITHIN LIMITS OF CONSTRUCTION OR COUNTY RIGHT OF WAY SHALL BE REMOVED. BRICK MAILBOX REMOVAL SHALL BE COORDINATED WITH THE PROPERTY OWNER. CONTRACTOR SHALL REPLACE EXISTING MAILBOX WITH APPROVED HEAVY DUTY PLASTIC BREAK AWAY MAILBOX. CONTRACTOR SHALL NOTIFY HOME OWNER PRIOR TO REMOVAL.
- 29. WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(I), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
- 30. ALL REINFORCED CONCRETE PIPE MUST BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- 31. THE MAXIMUM ALLOWABLE SLOPE FOR GRASS DITCH CONSTRUCTION IS 4:1 UNLESS SPECIFICALLY IDENTIFIED ON INDIVIDUAL CROSS SECTIONS WITHIN THE PLAN SET OR AS APPROVED BY THE ENGINEER OF RECORD. THE TYPICAL SLOPE IS 4:1.
- 32. THE CONTRACTOR IS RESPONSIBLE FOR ALL NPDES (IF REQUIRED) PERMITTING NOTIFICATIONS AND INSPECTIONS. THE CONTRACTOR SHALL SUBMIT AT A MINIMUM Weekly inspection reports and additional reports for each rain event greater than 3% to the project cei.
- 33. ALL ASPHALT TO BE REMOVED SHALL BE SAWCUT AT CONNECTIONS TO EXISTING ROADS AND DRIVEWAYS THAT ARE TO REMAIN. CONTRACTOR SHALL PROTECT SAWCUT EDGES TO REMAIN.
- 34. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
- 35. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- 36. THE OWNER INTENDS THAT THE CONTRACT DOCUMENTS WILL PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT. WHERE LABOR AND MATERIALS MAY BE REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT BUT IS NOT FULLY SPECIFIED, DETAILED OR SHOWN AS A CONSTRUCTION ITEM, THE CONTRACTOR SHALL PROVIDE THE REQUIRED MATERIAL OR LABOR TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THIS REQUIREMENT MAY ONLY BE CONSTRUED AS A REQUIREMENT TO COMPLETE OR MAKE FUNCTIONAL CONSTRUCTION ITEMS SHOWN IN OR ON THE CONTRACT DOCUMENTS.
- 37. PRIOR TO COMMENCING CONSTRUCTION ON SITE, THE CONTRACTOR SHALL VIDEO TAPE EXISTING CONDITIONS ON SITE AND AT OFF SITE CONSTRUCTION AREAS. THE CONTRACTOR SHALL CONCENTRATE VIDEO DETAIL AT CONSTRUCTION AREAS ADJACENT TO EXISTING RIGHTS—OF—WAY, AREAS ADJACENT TO EXISTING BUILDINGS OR OTHER IMPROVEMENTS, AND EXISTING PROPERTY LINES. THE CONTRACTOR SHALL KEEP ONE COPY AND PROVIDE ONE COPY EACH TO THE OWNER AND OWNER'S CONSTRUCTION INSPECTION/ADMINISTRATION REPRESENTATIVE.
- 38. ALL FINAL CONSTRUCTION AND CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL BUILDING AND/OR CONSTRUCTION CODES, RULES OR REQUIREMENTS AS APPLICABLE.

- 39. THE CONTRACTOR SHALL REMOVE ALL LANDSCAPING (TREES & SHRUBS) & HARD-SCAPE WITHIN THE CONSTRUCTION LIMITS OTHER THAN AREAS SPECIFICALLY NOTED TO REPLACE IN KIND. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS PRIOR TO REMOVAL.
- 40. THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY TRAFFIC DEPARTMENT PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.
- 41. 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.
- 42. 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.
- 43. PIPE LENGTHS SHOWN IN THE PLANS INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. ALL PIPES LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION. PIPE QUANTITIES IN THE BID TAB DO NOT INCLUDE THE LENGTH OF THE PIPE ASSOCIATED WITH THE MITERED END SECTION.
- 44. CONTRACTOR SHALL OBTAIN COUNTY APPROVED CHANGE ORDER PRIOR TO PERFORMING ANY ADDITIONAL WORK.
- 45. ALL CABLE DAMAGE MUST BE REPORTED TO THE AT&T FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 1-800-432-1424 IF USING A CELL PHONE.
- 46. AT&T FLORIDA WILL COMPLETE ALL WORK DURING OUR 'NORMAL WORKING HOURS' (MONDAY TO FRIDAY 7:30AM TO 4:30PM). NO NIGHT WORK.
- 47. 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.
- 48. WATER LINE BORE LOCATION AND DEPTHS SHOWN ON PLAN AND PROFILE SHEETS WERE PROVIDED BY ESCAMBIA RIVER ELECTRIC COOPERATIVE. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH WITH ESCAMBIA RIVER ELECTRIC COOPERATIVE PERSONNEL PRIOR TO CONSTRUCTION.
- 49. 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 UTILITIES OWNERS INCLUDE:

TELEPHONE - AT&T MR. TIM EDGAR 30 W BELMONT ST PENSACOLA, FL. 32501 PHONE: (850) 293-3780

ELECTRIC - GULF POWER MR. CHAD SWAILS 5120 DOGWOOD DRIVE MILTON, FL. 32570 PHONE: (850) 429-2446

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

WATER/SEWER - ECUA JACOB KEARLEY, P.E. PO BOX 15311 PENSACOLA, FL 32514 PHONE: (850) 969-5823

NATURAL GAS - ENERGY SERVICE OF PENSACOLA DIANE MOORE 1625 ATWOOD DR PENSACOLA, FL 32514 PHONE: (850) 474-5319

ESCAMBIA COUNTY TRAFFIC SIGNAL UTILITY SPOTS MS. JOHNNY PETTIGREW PHONE: (850) 595-3484 COX CABLE

TROY YOUNG 2421 EXECUTIVE PLAZA PENSACOLA, FL 32504 PHONE: (850) 857-4551

LEGEND

EXISTING CONTOUR

PROPOSED ASPHALT EXISTING ASPHALT EXISTING CONCRETE PROPOSED CONCRETE DEMOLITION MILL EXISTING ASPHALT DEMOLITION CENTERLINE _____ _ _ _ _ _ _ _ _ _ RIGHT-OF-WAY LINE OVERHEAD UTILITIES PROPOSED CONTOUR STRAW BALES — O — O — TURBIDITY BARRIER SET ½" CAPPED IRON ROD No.7916 ■ FOUND 4"x4" CONCRETE MONUMENT BENCHMARK SOIL BORING & LABEL WATER VALVE TELEPHONE EQUIPMENT BURIED TELEPHONE LINE MARKER Ø UTILITY POLE ROAD SIGN POST/BOLLARD

6 N 6 X

LT.

X

DRAWING L-4814 PROJECT ENG412 SURVEY NUMBER 2018.016

1 of 25

SHEET

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS.

2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR

3. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

4. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.

*5. A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.

*6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL, ACCORDING TO STATE STANDARDS.

*7. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).

*8. A CRUSHED LIMEROCK, VEHICLE WHEEL-CLEANING BLANKET SHALL BE INSTALLED AT THE CONTRACTOR'S STAGING YARD AND/OR STOCKPILE AREAS TO PREVENT OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES ONTO PUBLIC ROADS. BLANKET SHALL BE 15FT. X 50FT. X 6IN. (MINIMUM), CRUSHED LIMEROCK 2 1/2 INCHES IN DIAMETER. SAID BLANKET SHALL BE UNDERLAIN WITH A FDOT CLASS 3 SYNTHETIC FILTER FABRIC AND MAINTAINED IN GOOD ORDER.

9. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT

SUITABLE FOR VEGETATIVE GROUND COVER, IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.

*10. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.

11. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.

12. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.

13. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

15. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).

16. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

17. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.

18. ALL CATCH BASIN INLETS SHALL BE PROTECTED WITH HAY BALES AS SHOWN ON DETAIL.

19. THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SILTATION PROTECTION OF FACH STREAM CROSSING PRIOR TO EXCAVATING THE STREAM BED. PLAN SHALL BE FORWARDED. TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTION PRIOR TO EACH STREAM CROSSING CONSTRUCTION.

20. ANY AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.), SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

* WHERE APPLICABLE

TEMPORARY SEEDING DETAILS:

SEED BED PREPARATION:

SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS./ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE

<u>SEED MIXTURE</u>

CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF 174 LBS/ACRE.

PERMANENT SEEDING DETAILS:

SEED BED PREPARATION:

SOIL TO BE THOROUGHLY PULVERIZED BY DISK-HARROWING AND BE LOOSE AND REASONABLY SMOOTH. APPLY FERTILIZER AT A RATE OF 260 LBS/ACRE OF 16-16-16 OR EQUIVALENT, APPLY DOLOMITIC LIMESTONE AT A RATE OF 800 TO 1000 LBS./ACRE TO PROVIDE A SOIL pH OF 5.5 TO 6.5, LIME & FERTILIZER TO BE WORKED INTO THE TOPSOIL TO A DEPTH OF 4". ADD SANDY LOAM TOPSOIL TO A MINIMUM OF TWO (2) INCHES WHERE

SEED MIXTURE CONSISTING OF <u>rate</u> <u>Purity</u> <u>GERMINATION</u> 95% ARGENTINE BAHIA 260 LBS/AC. 80% PENSACOLA BAHIA 260 LBS/AC. 95% 40%(MIN.)-80%(TOTAL)

SOD SHALL BE WELL ROOT MATTED CENTIPEDE OR BAHIA GRASS COMMERCIALLY CUT TO A MINIMUM DIMENSION OF 12" x 24" A MAXIMUM OF 72 HOURS PRIOR TO PLACEMENT. SOD SHALL BE LIVE, FRESH AND UNINJURED, REASONABLY FREE OF WEEDS AND OTHER GRASSES, WITH A HEAVY SOIL MAT ADHERING TO THE ROOT SYSTEM. SOD SHALL BE GROWN, CUT, AND SUPPLIED BY A STATE CERTIFIED GROWER.

TRAFFIC CONTROL STANDARDS:

1. CONSTRUCTION TRAFFIC SHALL BE RESTRICTED TO ONSITE ACCESS BY MEANS SO DESIGNATED BY THE ENGINEER, POLICE/SHERIFF DEPARTMENT, ESCAMBIA COUNTY HIGHWAY DEPARTMENT, AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION 2. TRAFFIC DURING WET WEATHER SHALL BE MINIMIZED AND APPROPRIATE ROADWAY AND SITE CLEAN-UP SHALL

BE PROVIDED BY THE CONTRACTOR AS SOON AS WEATHER CONDITIONS PERMIT.

TREE PROTECTION:

1. DAMAGED TRUNKS OR EXPOSED ROOTS WILL BE PAINTED IMMEDIATELY WITH A GOOD GRADE OF "TREE

2. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH TO TRUNK OR MAIN BRANCH AND THAT AREA PAINTED IMMEDIATELY WITH A GOOD GRADE OF TREE PAINT.

DUST CONTROL

1. ALL AREAS OF CLEARING AND EMBANKMENT AS WELL AS CONSTRUCTION HAUL ROADS SHALL BE TREATED AND MAINTAINED IN SUCH A MANNER AS TO MINIMIZE ANY DUST GENERATION.

2. DISTURBED AREAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND/OR MULCHED UNTIL PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF PERMANENT VEGETATION COVER.

3. IN EVENT OF EMERGENCY CONDITIONS, TILLAGE WILL BE SATISFACTORY FREE BEFORE SOIL BLOWING STARTS.

4. CALCIUM CHLORIDE MAY BE APPLIED TO UNPAVED ROADWAY AREAS, ONLY, SUBJECT TO THE ENGINEER'S APPROVAL AND CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS, SECTION 102-5, LATEST EDITION.

PROPOSED SEQUENCE OF CONSTRUCTION:

1. THE INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.

2. CLEAR AND REMOVE ALL EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. ALL REMAINING VEGETATION IS TO BE PROPERLY PROTECTED AND IS TO REMAIN IN ITS NATURAL STATE. TOPSOIL IN AREAS TO BE DISTURBED IS TO BE STRIPPED TO A MINIMUM DEPTH OF SIX (6) INCHES AND STOCKPILED SEPARATELY FROM FROM OTHER EXCAVATED SOIL(S)

3. THE IMMEDIATE INSTALLATION OF ALL REMAINING SEDIMENT AND EROSION CONTROL DEVICES.

4. PERFORM ALL DEMOLITION WORK.

GROUND

FILTER FABRIC

(SEE GENERAL NOTE 8)

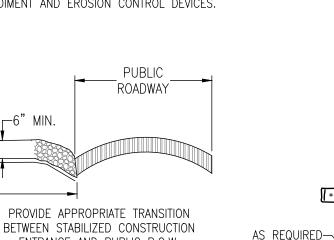
CONSTRUCT BRIDGE IMPROVEMENTS.

6. CONSTRUCT ALL UNDERGROUND UTILITIES AND STORM DRAIN SYSTEMS.

7. CONSTRUCT ROADS (SUBGRADE, CURB & GUTTER, BASE, PAVEMENT, SIDEWALKS AND LANDSCAPING).

8. UPON THE COMPLETION OF THE CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE, RESPREAD STOCKPILED TOPSOIL AND STABILIZE WITH PERMANENT VEGETATIVE COVER AND

9. THE REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.



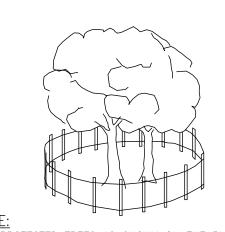
ANCHOR BALES WITH

(2)–2"X2"X4'– STAKES PER BALE.

STABILIZED CONSTRUCTION **ENTRANCE DETAIL**

N.T.S.

ENTRANCE AND PUBLIC R.O.W.



ALL PROTECTED TREES AS SHOWN ON THE PLANS TO REMAIN ARE TO BE PROTECTED DURING CONSTRUCTION THE CONTRACTOR SHALL INSTALL ORANGE CONSTRUCTION FENCING AT THE DRIP LINE OF EACH PROTECTED TREE BEFORE WORKING IN THE VICINITY OF THE TREE.

TREE BARRICADE DETAIL N.T.S.

FILTER BAGS WILL BE USED AS AN EFFECTIVE FILTER MEDIUM TO CONTAIN SAND, SILT

WETLAND FILTER BAGS MAY REPLACE HAY BALE CORRALS DURING TRENCH DEWATERING,

CUTTING A SMALL HOLE IN THE CORNER OF THE BAG, INSERTING THE PUMP DISCHARGE

PRIOR TO REMOVING A BAG FROM THE HOSE, THE BAG WILL BE TIED OFF BELOW THE

END OF THE HOSE ALLOWING THE BAG TO DRAIN. DRAINAGE WILL NOT BE ALLOWED

THROUGH THE INLET HOLE. TO AVOID RUPTURE, THE BAGS WILL BE ATTENDED AND

PUMPING RATES MONITORED. ONCE THE BAG IS INFLATED TO A HEIGHT OF 4 FEET,

WILL BE BUNDLED AND REMOVED FOR PROPER DISPOSAL.

PUMPING WILL STOP TO AVOID RUPTURE. FILTER BAGS USED DURING CONSTRUCTION

FILTER BAGS ARE CONSTRUCTED OF NON-WOVEN GEOTEXTILE FABRIC. A MAXIMUM OF ONE SIX INCH DISCHARGE HOSE WILL BE ALLOWED PER FILTER BAG. BAG CAPACITY

WILL BE EXCEEDED BEYOND 2,000 GALLONS PER MINUTE. TYPICAL BAG DIMENSIONS

FILTER BAGS WILL BE ENCIRCLED WITH A HAY BALE OR SILT FENCE CORRAL. HOSE

CLAMPS WILL BE USED TO SECURE THE DISCHARGE HOSE, WIRE OR STRING WILL NOT

ARE 15 FEET BY 13.25 FEET. TO HELP PREVENT PUNCTURES, GEOTEXTILE FABRIC WILL BE PLACED BENEATH THE FILTER BAG WHEN USED IN WOODED LOCATIONS. UNATTENDED

HOSE, AND THEN SECURING THE DISCHARGE HOSE TO THE BAG WITH A HOSE CLAMP.

FILTER BAGS WILL BE PLACED AS FAR AWAY FROM FLOWING STREAMS AND WETLANDS

AT THE DISCRETION OF THE ENGINEER INSPECTOR. TO INSURE PROPER INSTALLATION,

FILTER BAGS WILL BE PLACED ON RELATIVELY FLAT TERRAIN FREE OF BRUSH AND

STUMPS TO AVOID RUPTURES AND PUNCTURES. PROPER INSTALLATION REQUIRES

AND FINES WHEN TRENCH DEWATERING. THE WETLAND FILTER BAG CONTAINS THESE

MATERIALS WHILE ALLOWING THE WATER TO FLOW THROUGH THE FABRIC.

AS POSSIBLE

BE USED.



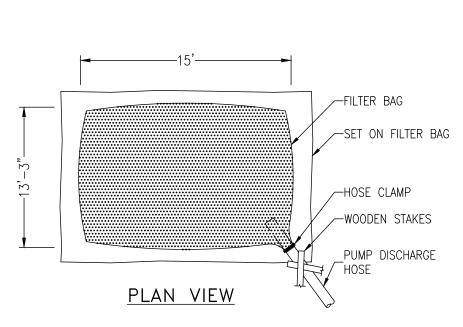
ELEVATION

ELEVATION

TO BE USED AT SELECTED SITES WHERE THE NATURAL

GROUND SLOPES TOWARD THE TOE OF SLOPE

CENTER (TYP.)



ANCHOR BALES WITH

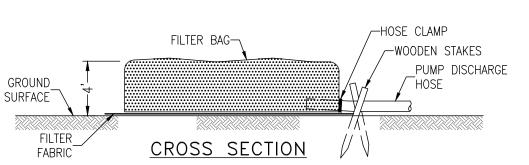
LOOSE SOIL PLACED BY

SHOVEL AND LIGHTLY

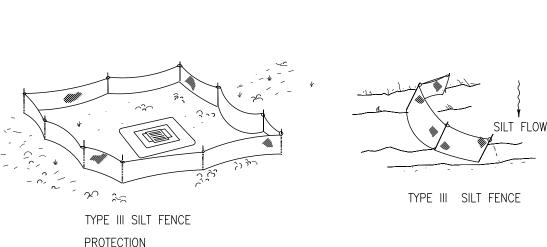
COMPACTED ALONG THE UPSTREAM EDGE OF BALES.

STAKES PER BALE.

---(2)-2"X2"X4'



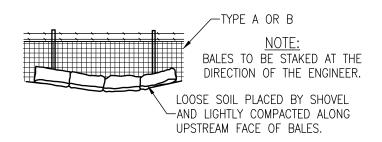
FILTER BAG DETAIL FOR TRENCH DEWATERING OPERATIONS



SILT FENCE APPLICATIONS

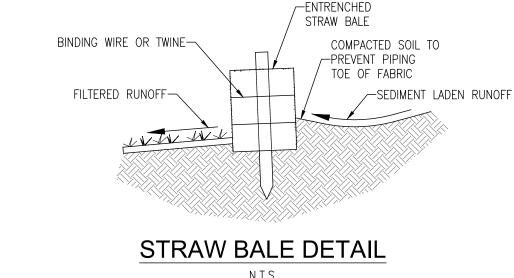
AROUND DITCH BOTTOM INLETS.

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.



TYPE III SILT FENCE

STRAW BALES BACKED BY FENCE



COMPACTED SOIL-

SILT FENCE DETAIL

STAKED &

2"x4" OR 3"Ø TREATED -TIMBER POST @ 6' O.C.

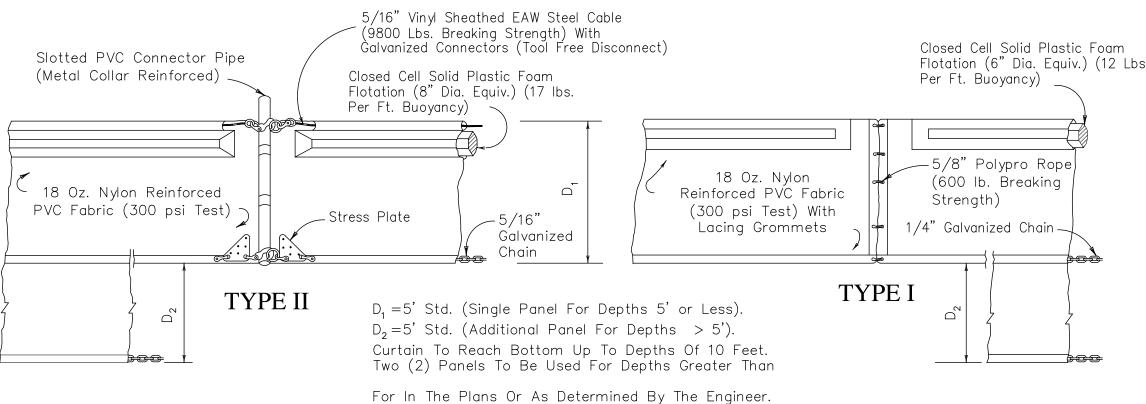
TOE OF FABRIC

FIBERTEX (OR

APPROVED EQUAL)._

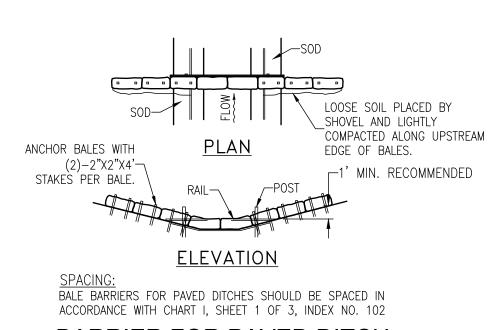
MATERIAL ATTACHED

TO WIRE FENCE



NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

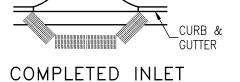
FLOATING TURBIDITY BARRIERS

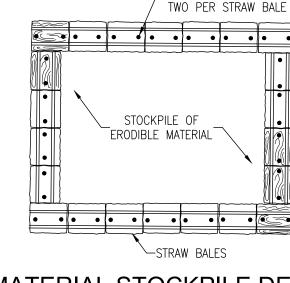


BARRIER FOR PAVED DITCH

PARTIAL INLET

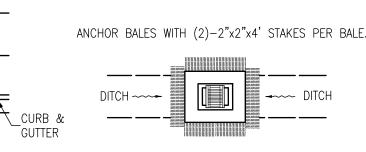
N.T.S.





ANCHOR PINS -No. 5 STEEL BARS

MATERIAL STOCKPILE DETAIL



DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

DRAWING NUMBER L-4814 NUMBER ENG412

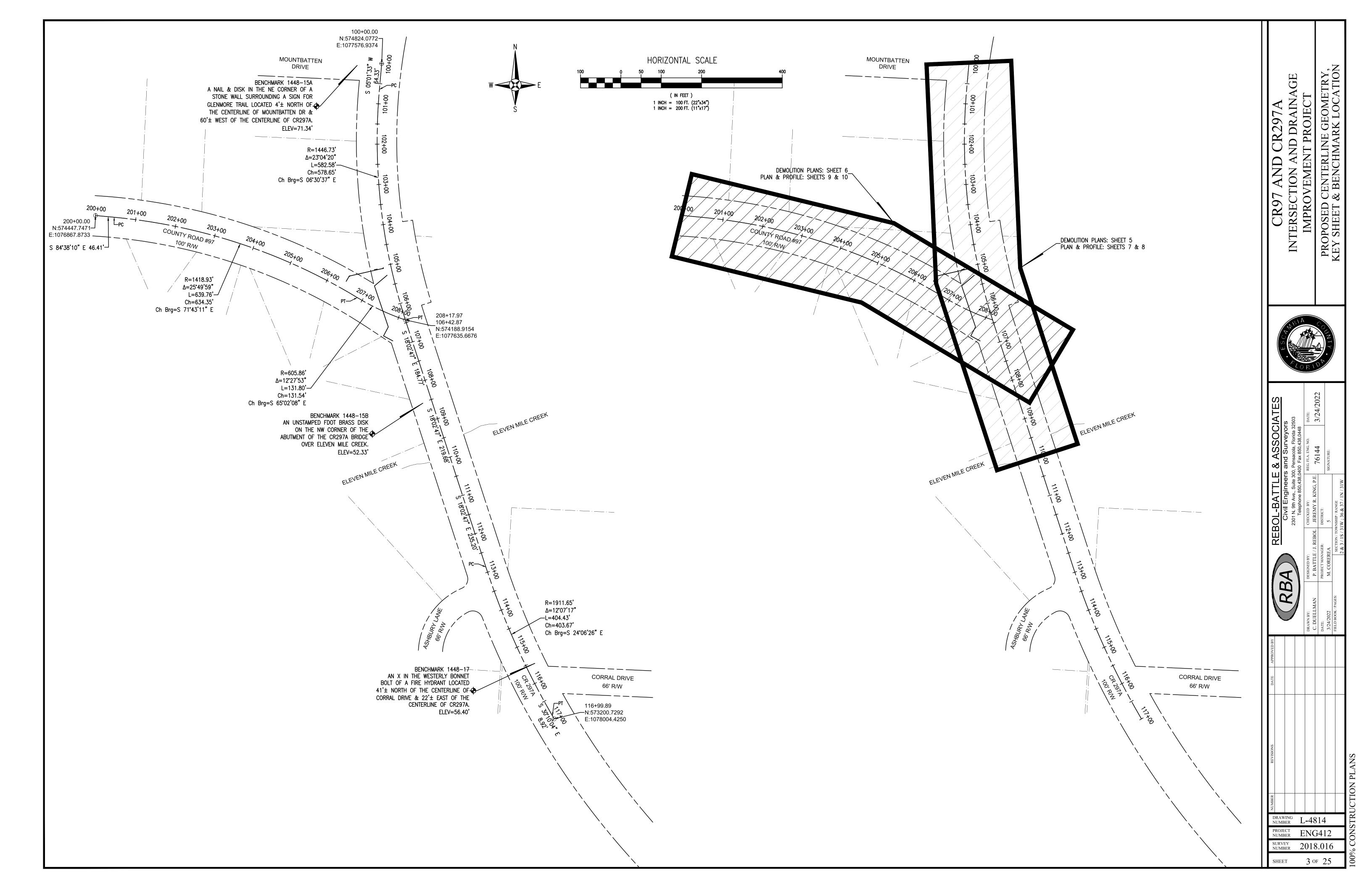
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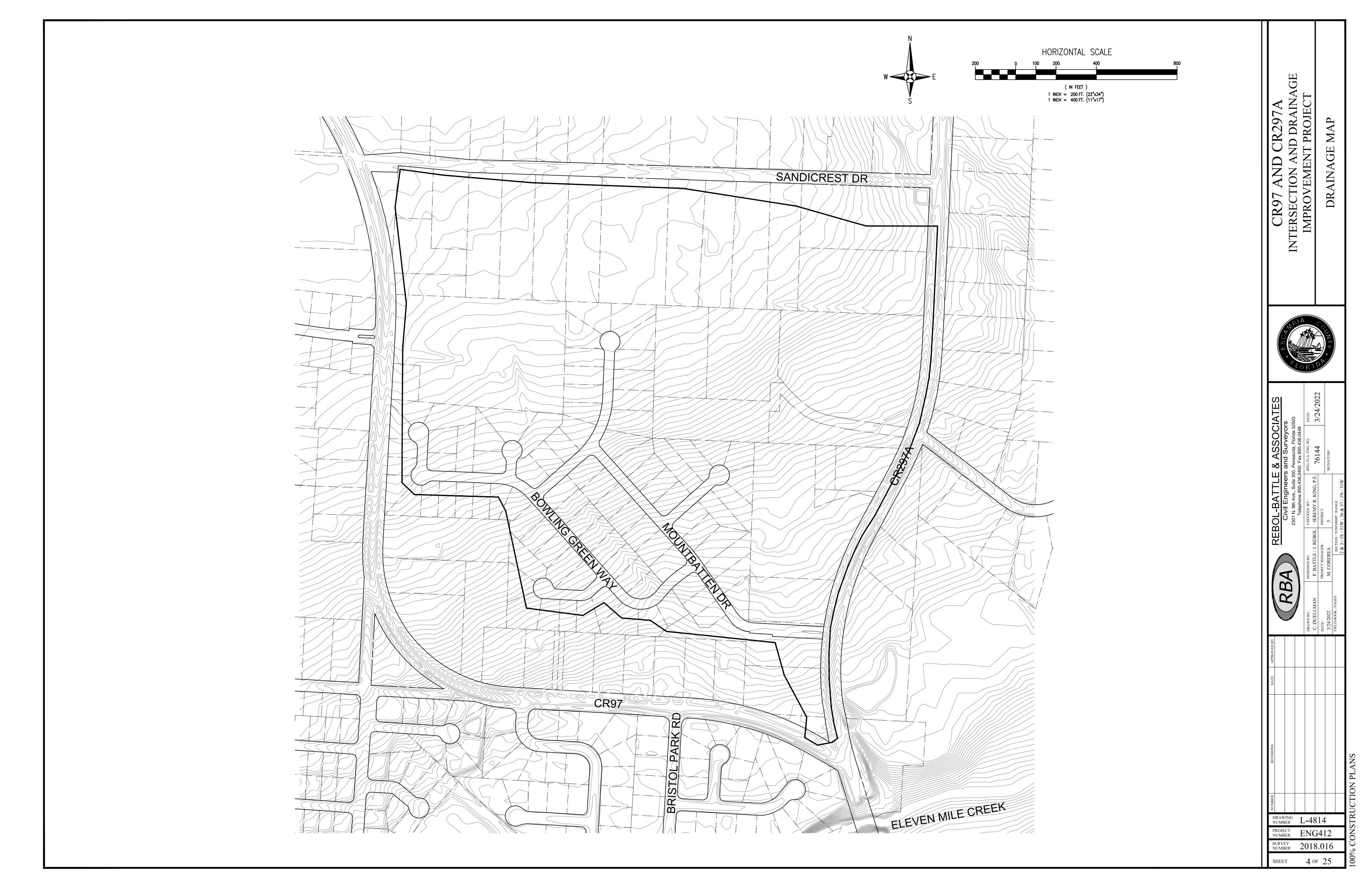
6

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SURVEY NUMBER 2018.016

SHEET





Bid Ite No.	m Bid Item Description	Quantity	Unit	
1	Mobilization	1	LS	
2	Prepare & Implement Maintenance of Traffic Plan (Must include Variable Massage Board, Plan, Layout, and all appurtenances for MOT)	1	LS	
3	Clearing and Grubbing (Including but not limited to Removal of Debris, Trees, rip rap, Landscaping, Hardscaping, Fences, Curb & Gutter, Iane striping, Concrete / Asphalt Driveways, Saw Cutting Concrete & Asphalt, Asphalt/Base/Subgrade, Inlet and Storm Pipe Removal, Guard Rails, signage, Conc. Ditches, utilities, Etc). This line item also includes fence adjustments (relocations) as needed. This bid item is all inclusive of items identified to be removed on the plans or as required to facilitate construction.	1	LS	
4	Removal of all existing signalization infrastructure	1	LS	
5	Relocate/Reconstruct Existing Inlet	1	EA	
6	Adjust Gas Main	1	EA	
7	Adjust 8" force main	1	EA	
8	Adjust/relocate air release valve	1	EA	
9	Earthwork, Cut & Fill	1	LS	
10	Remove and Replace Unsuitable Materials	1000	CY	
11	Establish, quantify, and submit an approved erosion control plan prepared by a certified technician (Must Include Implementation of Plans, Installation and Replacement, NOI and NOT).	1	LS	
12	Mill Existing Asphalt	1030	SY	
13	Signing and Pavement Markings. Must Include Implementation of Plans, Approved Layout, installation of temporary and permanent striping, temporary and permanent RPM's, road signs, etc. This bid item is all inclusive of items identified on the plans or as required to facilitate signing and pavement marking needs.	1	LS	
14	2" SP12.5 Asphalt	1499	SY	
15	1.5" FDOT Type SP 12.5 (76-22) Asphalt	2529	SY	
16	9" Graded Aggregate or 5" Type B-12.5 Base	1499	SY	
17	12" Stabilzed Subgrade	1600	SY	
18	Swale/Ditch Grading	450	LF	
19	38"x60" ERCP Pipe	161	LF	
20	38"x60" Mitered End Section W/Grate	1	EA	
21	38"x60" ERCP Concrete End Wall	1	EA	
22	6" Concrete Curb	10	LF	
23	Concrete Ditch Pavement	100	SY	
24	Construct guardrail	100	LF	
25	Construct traffic signalization improvements	1	LS	
26	Waterproof Jobsite Storage Board Container/Tube for Project Information, Permits, SWPPP Plans, Etc.)	1	EA	
27	Sod, Pinned (includes 3" topsoil and must match existing type)	5000	SY	
28	Guardrail concrete footing/special post mount	1	EA	

Conflict #	Utility Agency/ Owner (UAO)	Station (Along C/L Const)	Facility Description (Material, Type, Number, Size)	Conflict Description (Possible or Actual)	Recommended Conflict Resolution
1	ECUA	206+50L - 207+15L	8" Force Main	conflict with storm	adjust/re-route
2	ECUA	204+50 L	Air Release Valve	Located within new ditch/widening	adjust arv
3	PENSACOLA ENERGY	207+50 L & R	4" Gas	conflict with storm	adjust/re-route
4	FPL	207+04 L	Power Pole	In EOP	Relocate
5	AT&T	206+90 L	Communication Pedastals	Adjace to EOP	Relocate

CR97 AND CR297A
INTERSECTION AND DRAINAGE
IMPROVEMENT PROJECT
SUMMARY OF QUANTITIES &
UTILITY CONFLICT MATRIX



S 503
503
DATE:
3/24/2022

EBOL-BALILE & ASSOC

Civil Engineers and Surveyors
2301 N. 9th Ave., Suite 300, Pensacola, Florida 32:
Telephone 850.438.0400 Fax 850.438.0448

CHECKED BY:
REG. FLA. ENG. NO.

Civil Eng
2301 N. 9th Ave.

SIGNED BY:
CHECKED BY:
CHE

RBA RBA RBY:

DATE APPROVED BY

DRAWN

C. DL

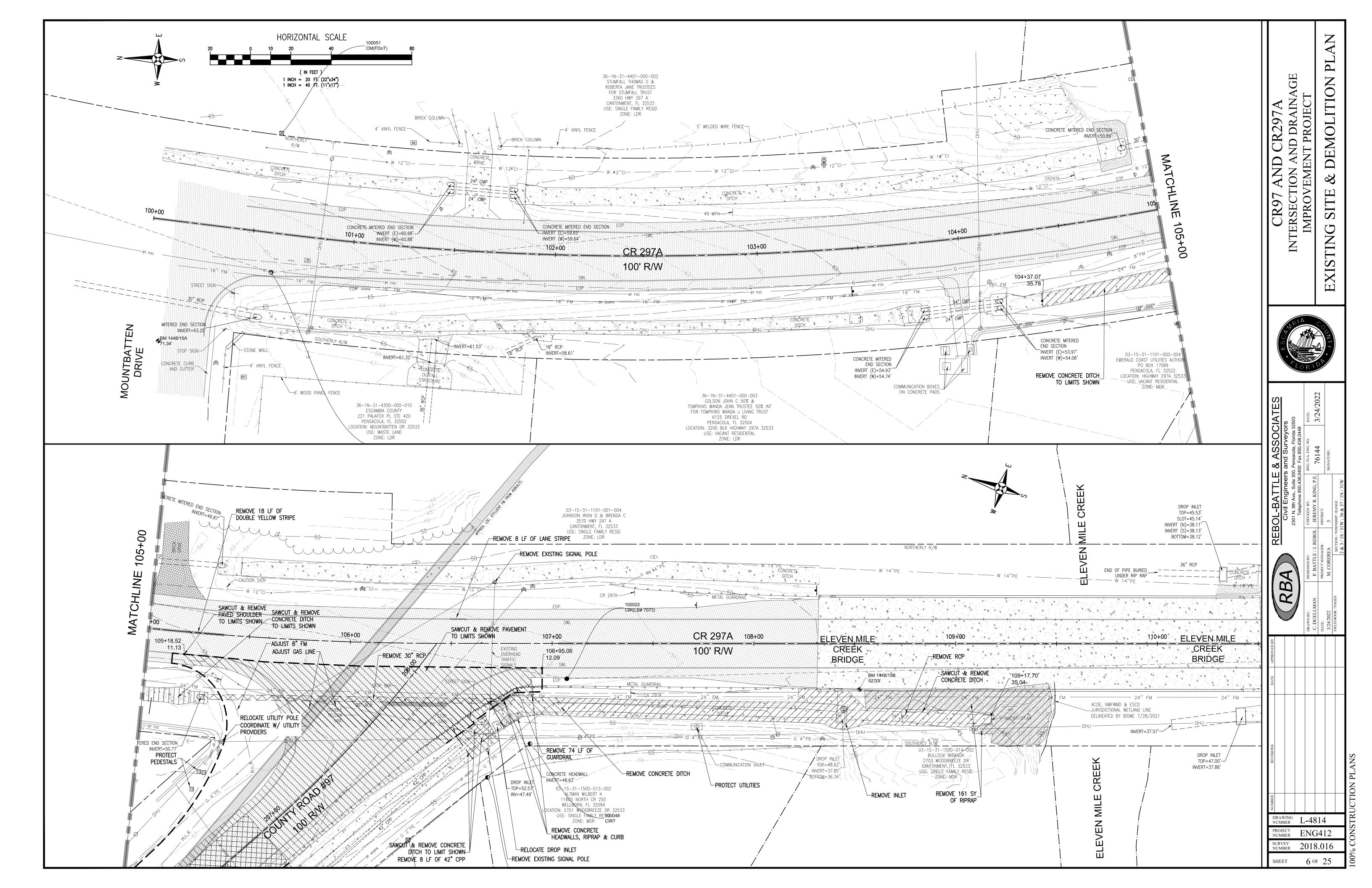
DATE:
3/24/2

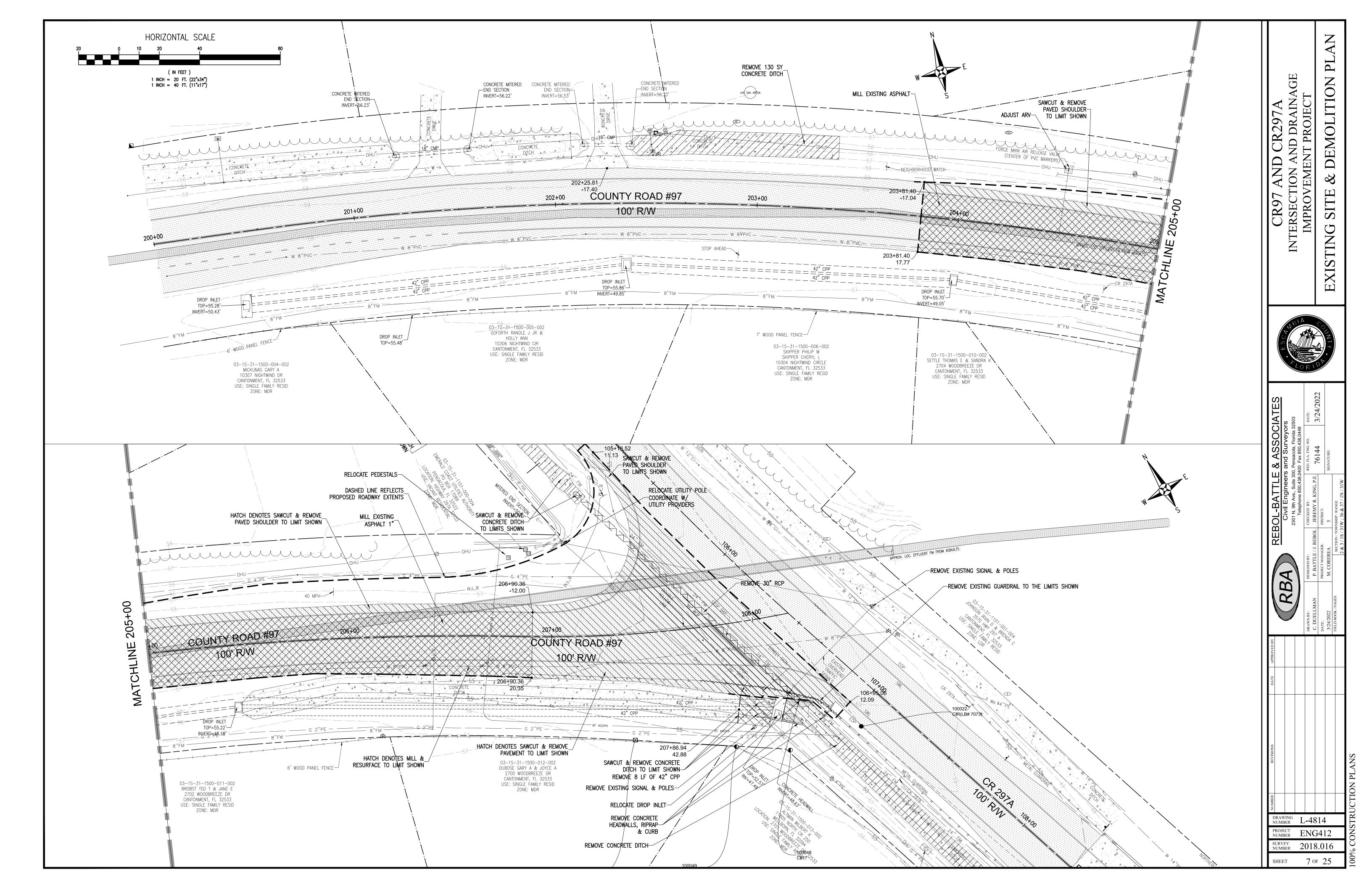
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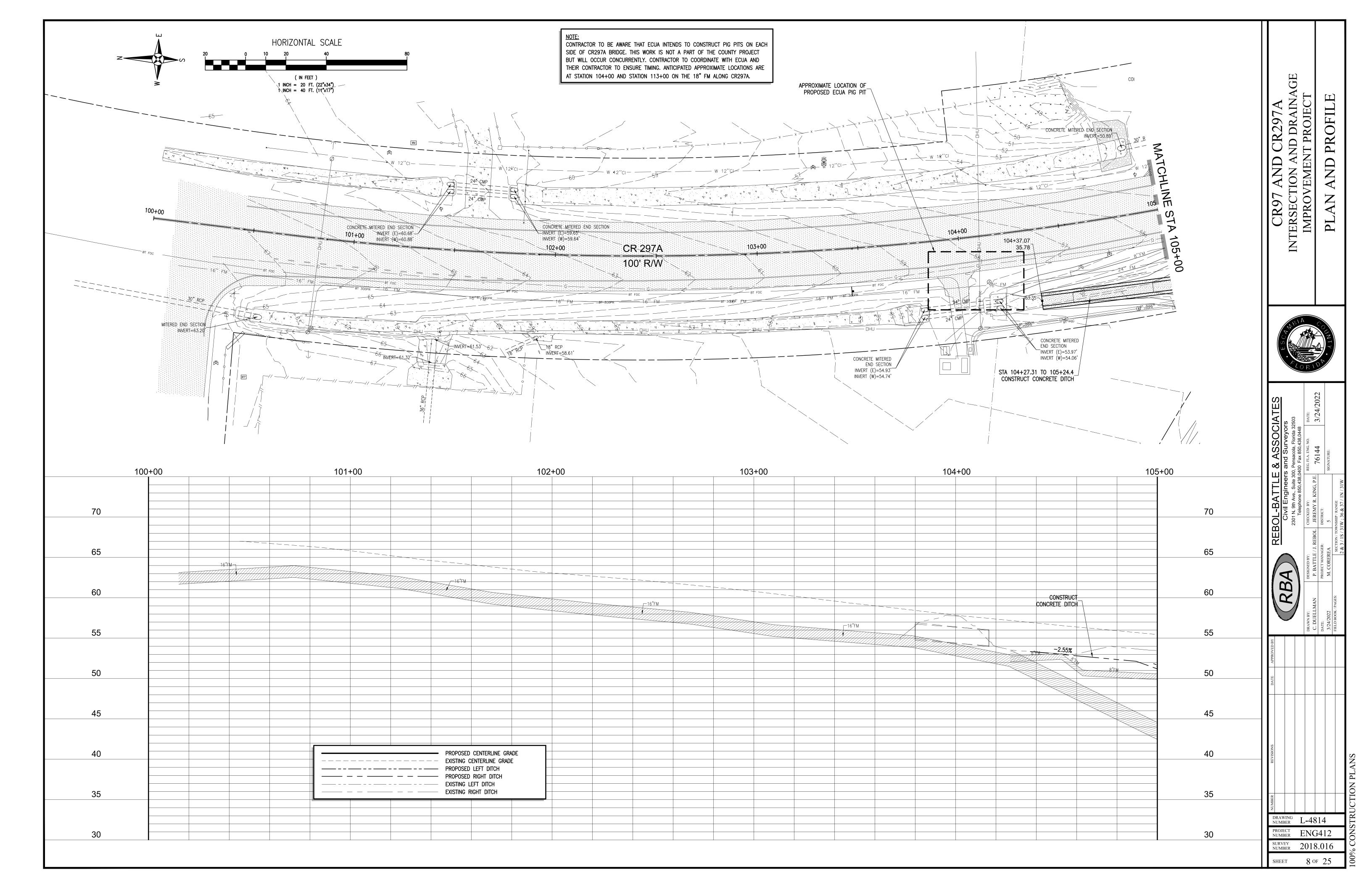
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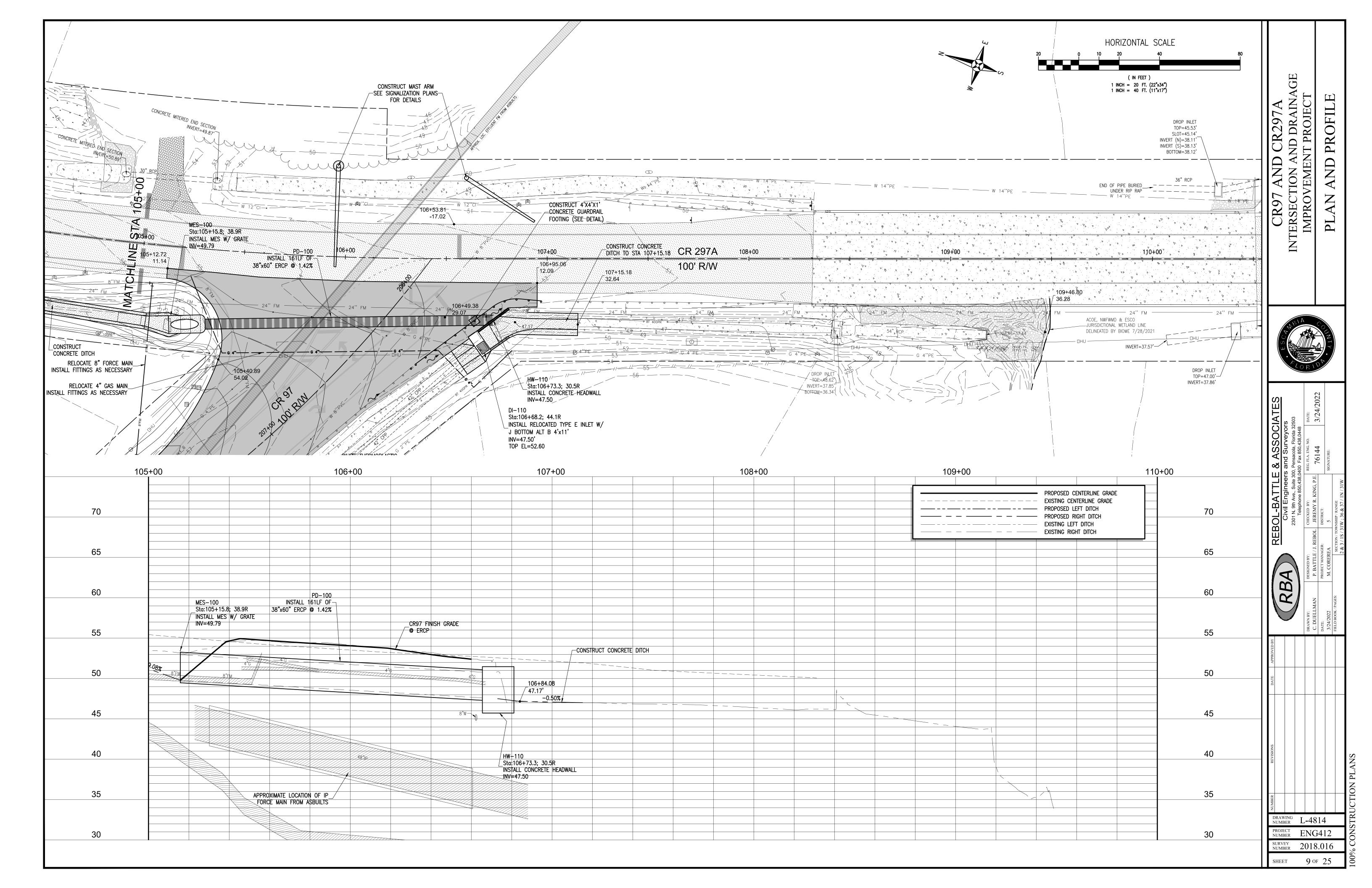
PROJECT ENG412

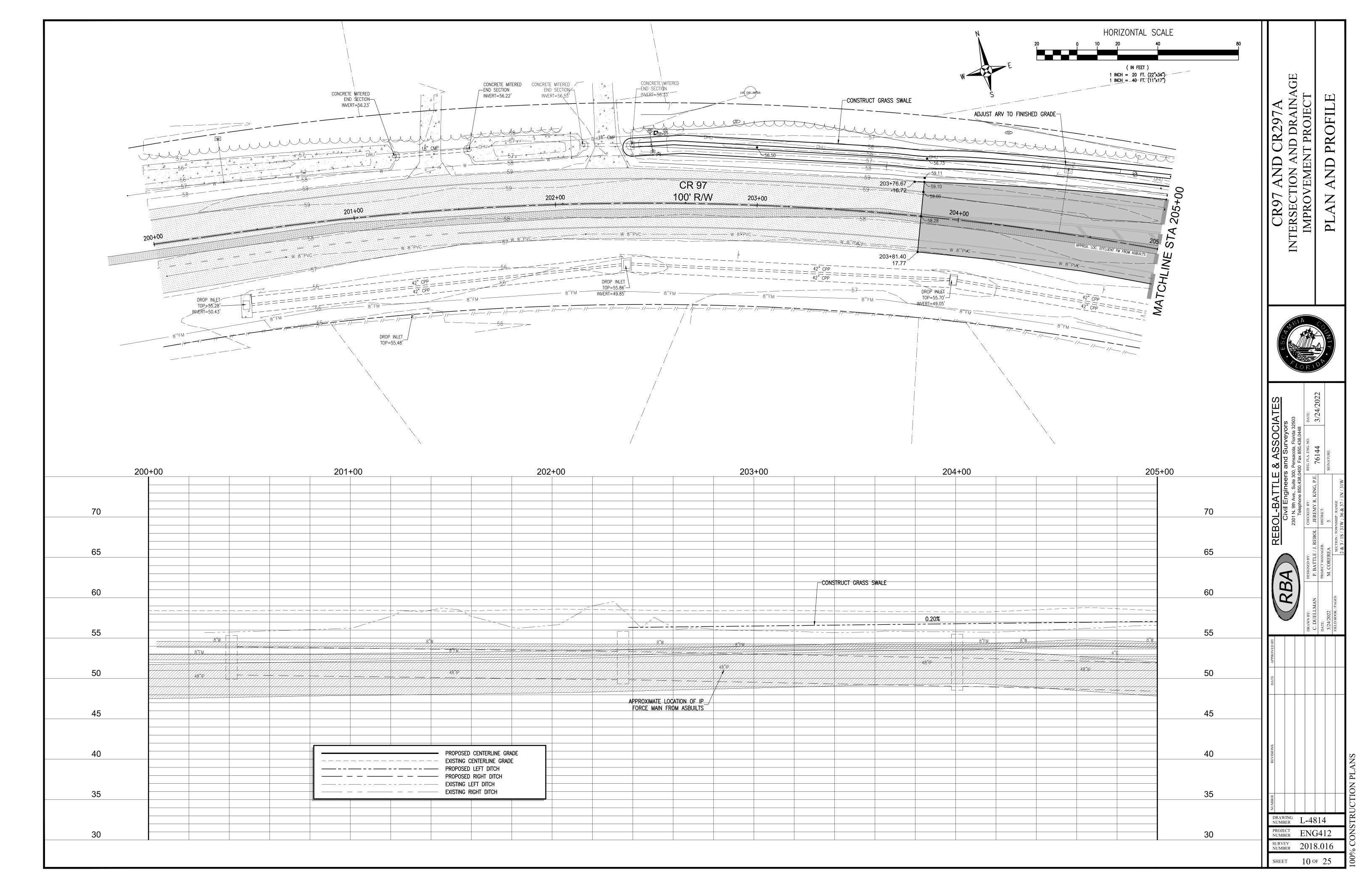
SURVEY NUMBER 2018.016

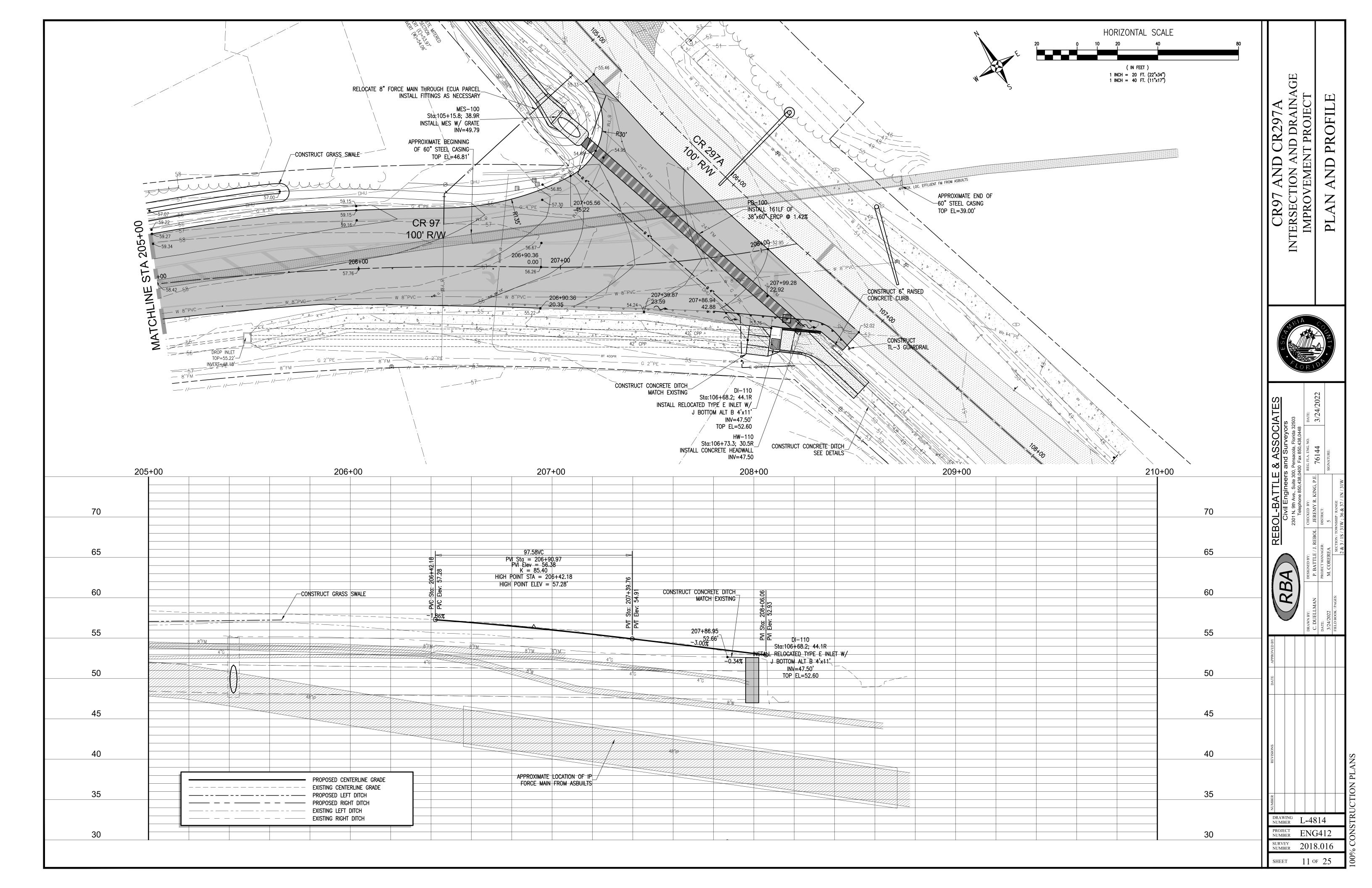


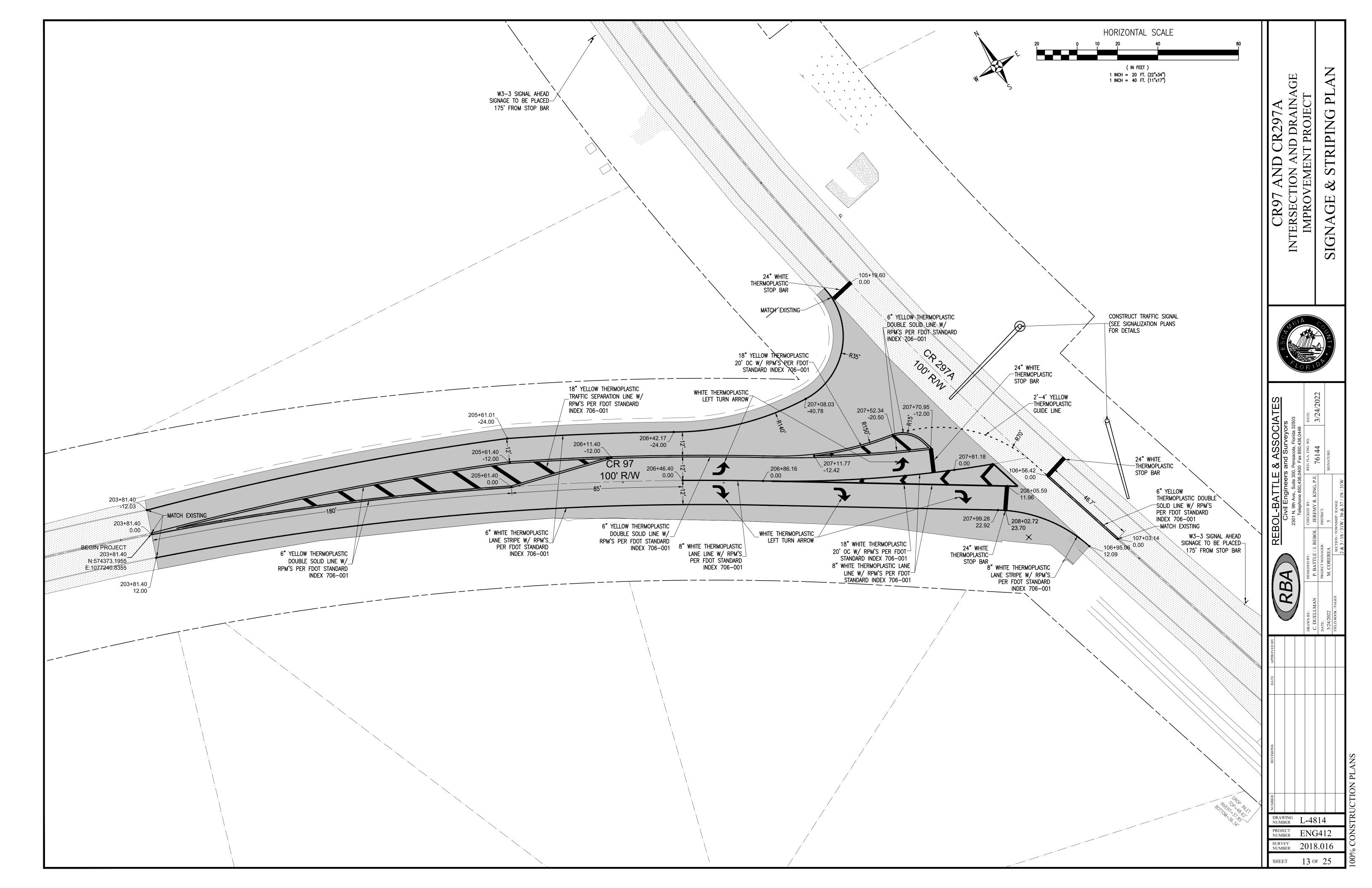


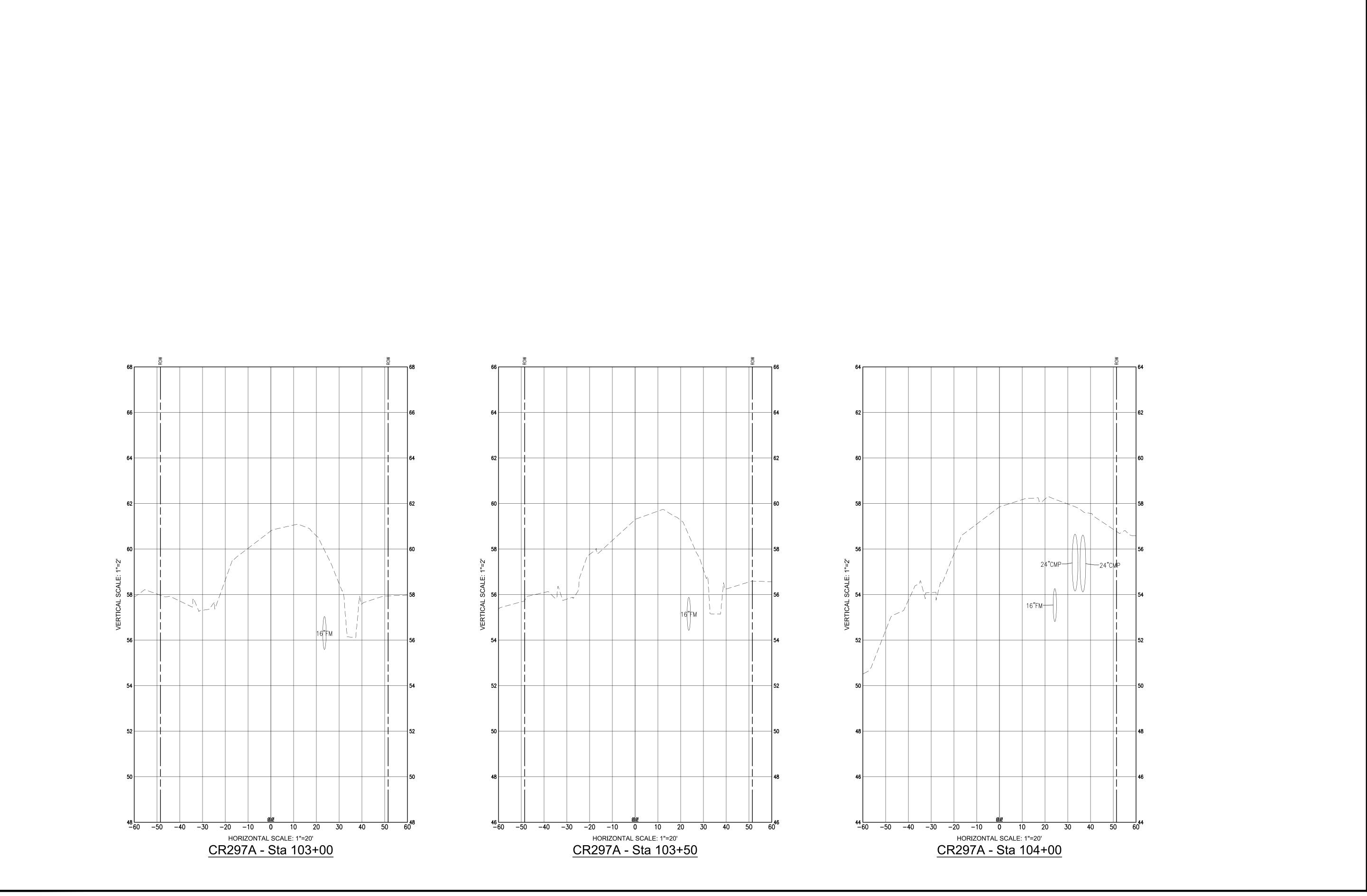






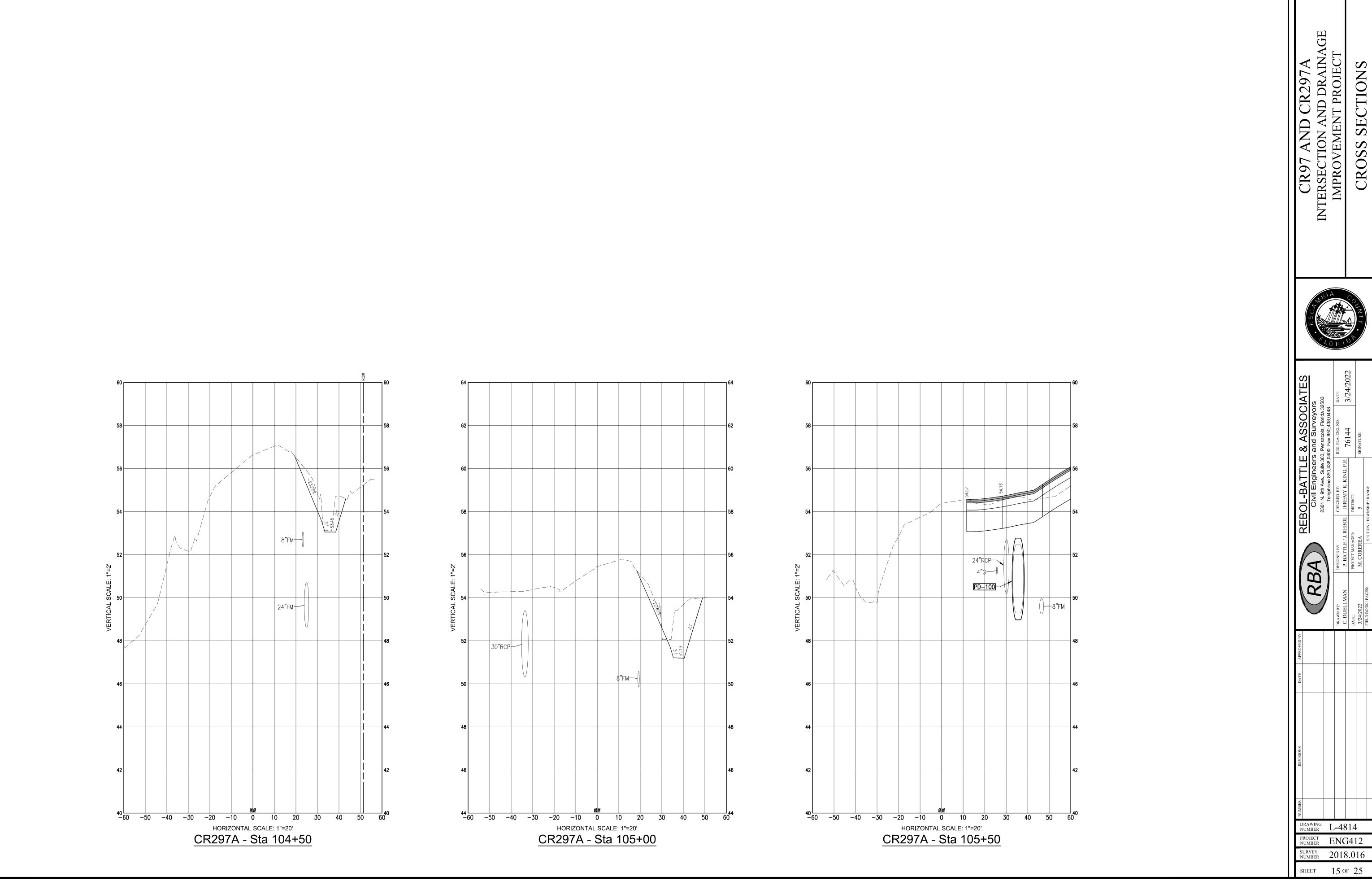


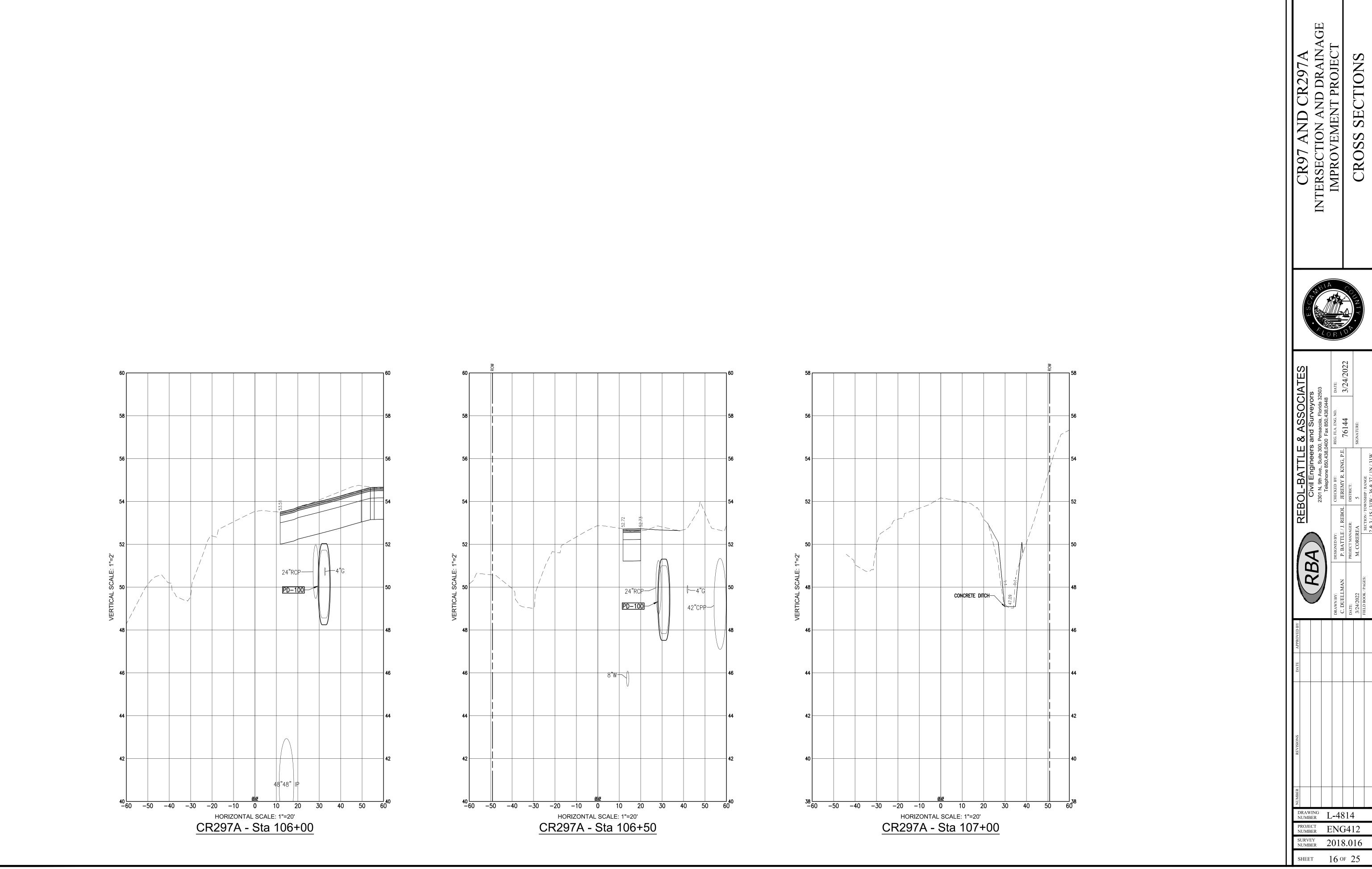


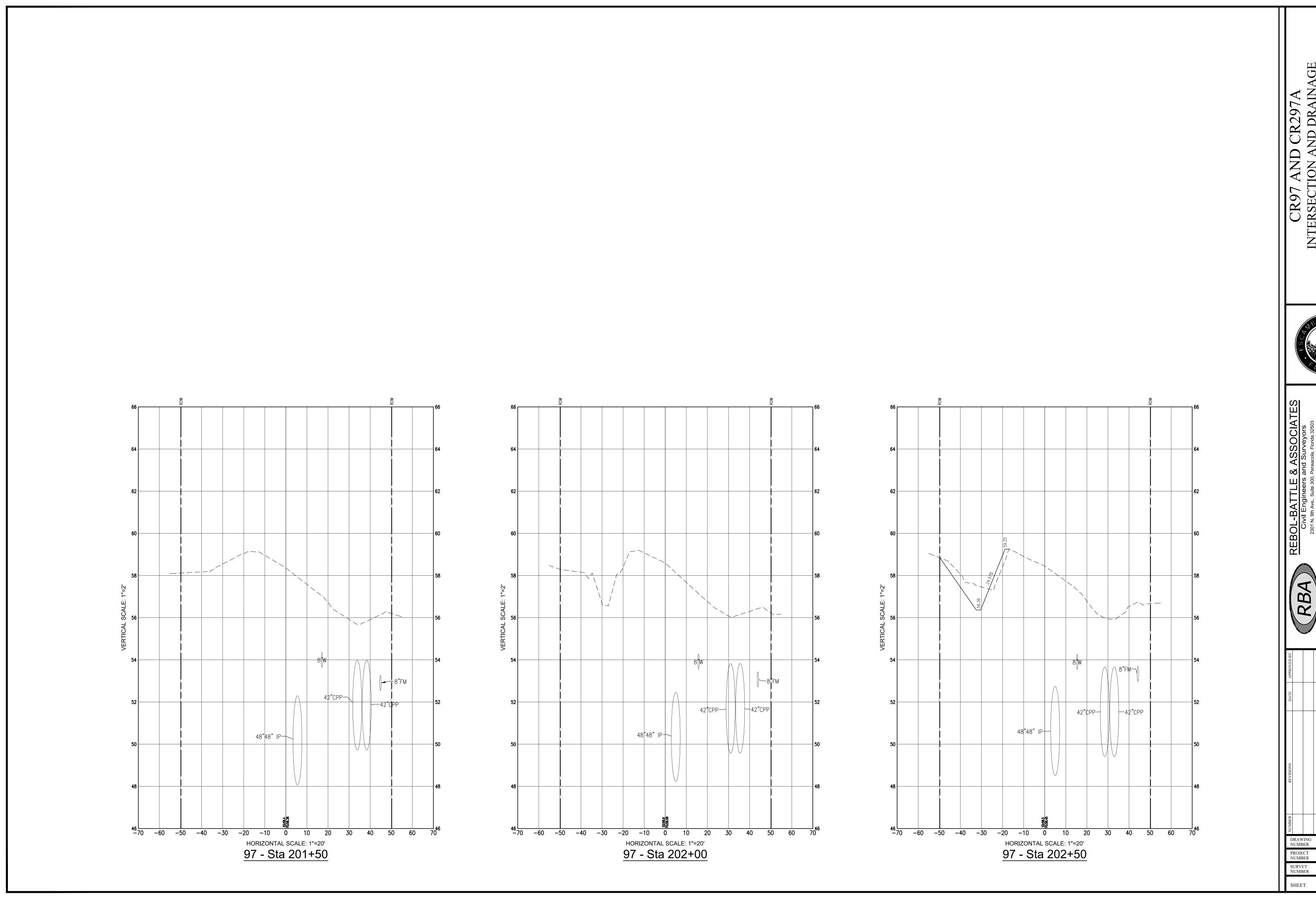


CROSS SECTIONS

DRAWING L-4814 PROJECT ENG412 SURVEY NUMBER 2018.016 SHEET 14 OF 25

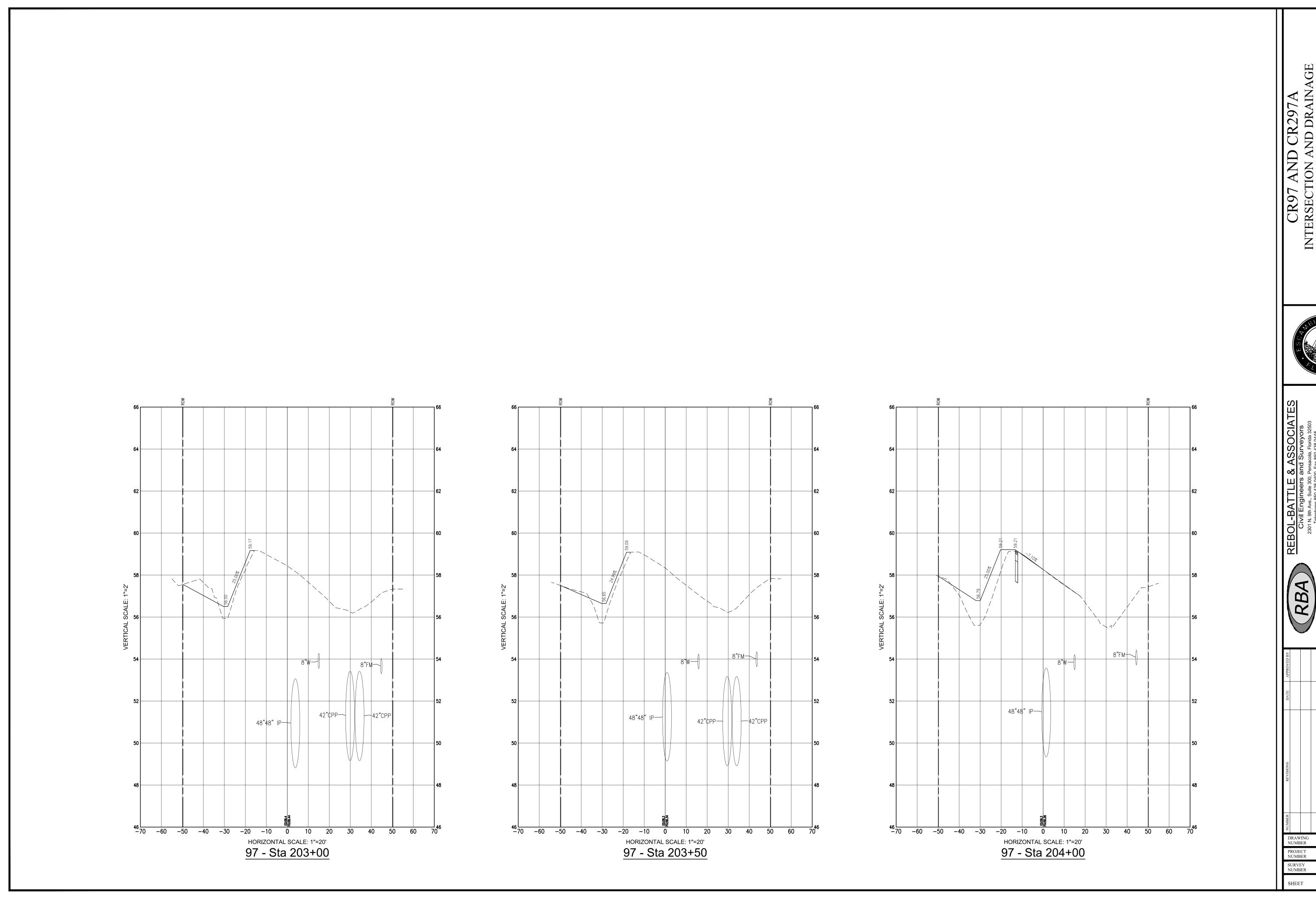






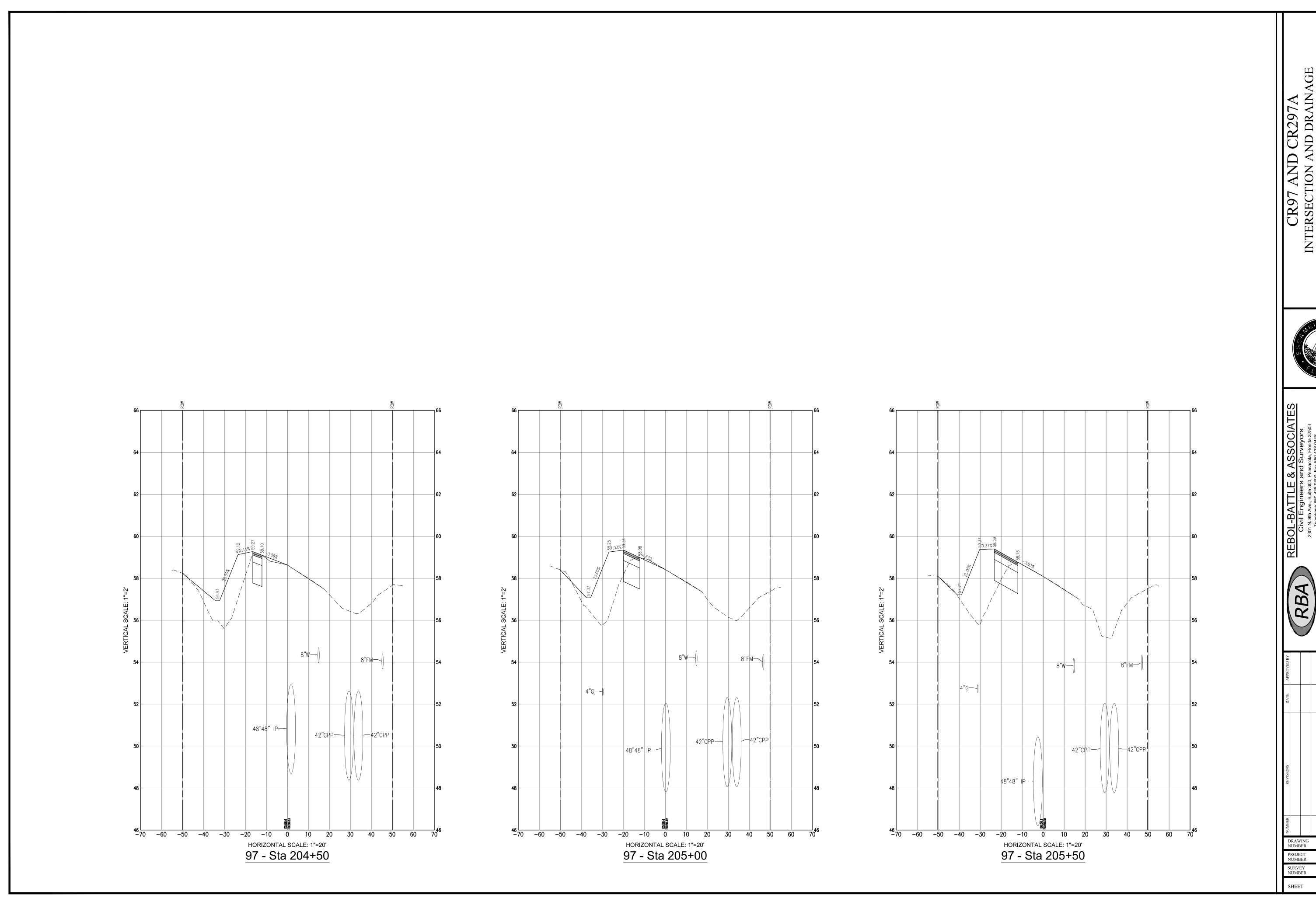
CROSS SECTIONS

DRAWING L-4814 PROJECT ENG412 SURVEY NUMBER 2018.016



CROSS SECTIONS

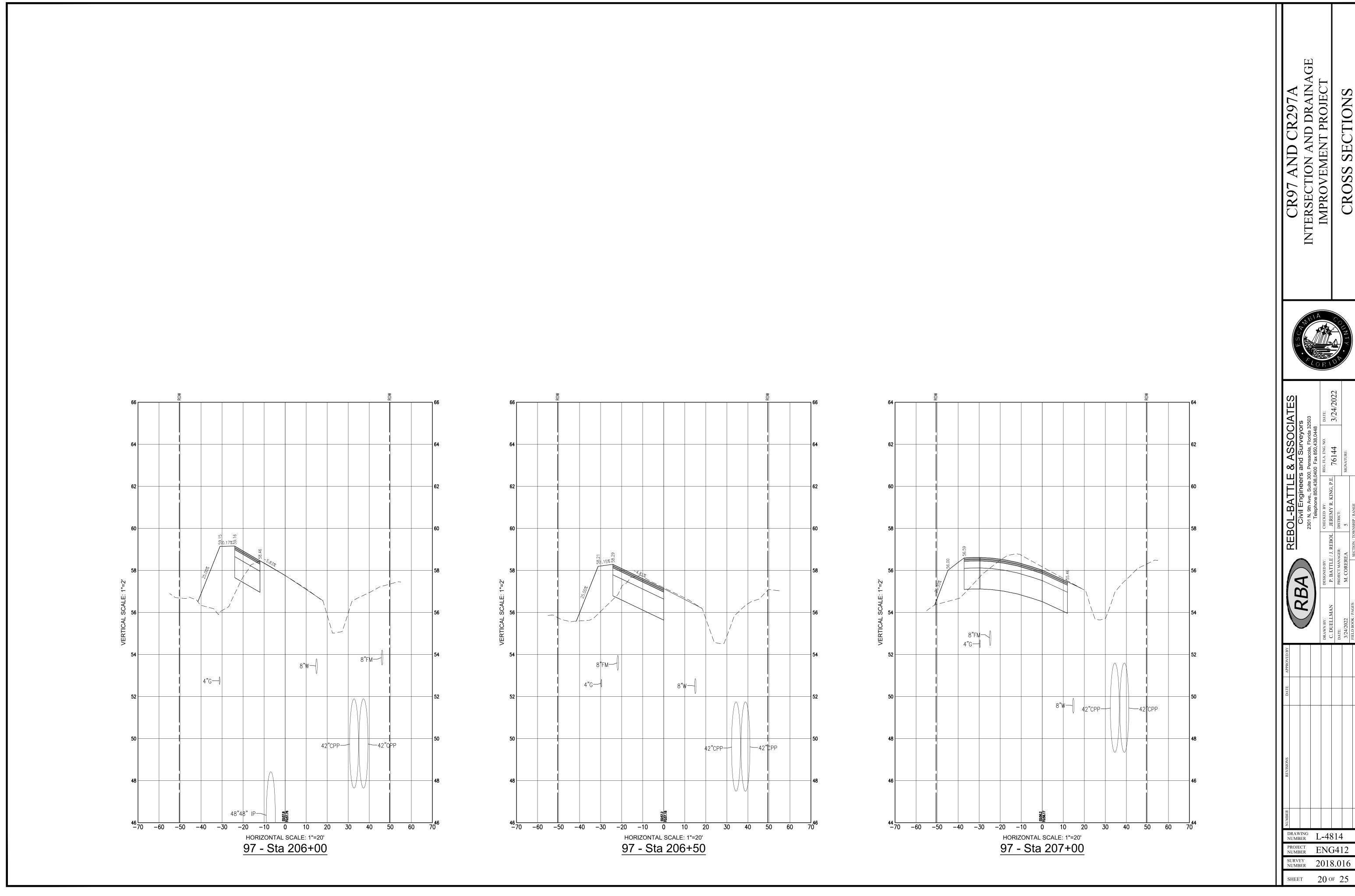
DRAWING L-4814 PROJECT ENG412 SURVEY NUMBER 2018.016 SHEET 18 of 25



CR97 AND CR297A
INTERSECTION AND DRAINAGE
IMPROVEMENT PROJECT CROSS SECTIONS

DRAWING L-4814 PROJECT ENG412

SURVEY NUMBER 2018.016 SHEET 19 OF 25



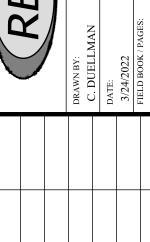
CR97 AND CR297A
INTERSECTION AND DRAINAGE
IMPROVEMENT PROJECT CROSS SECTIONS

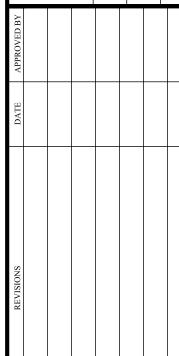




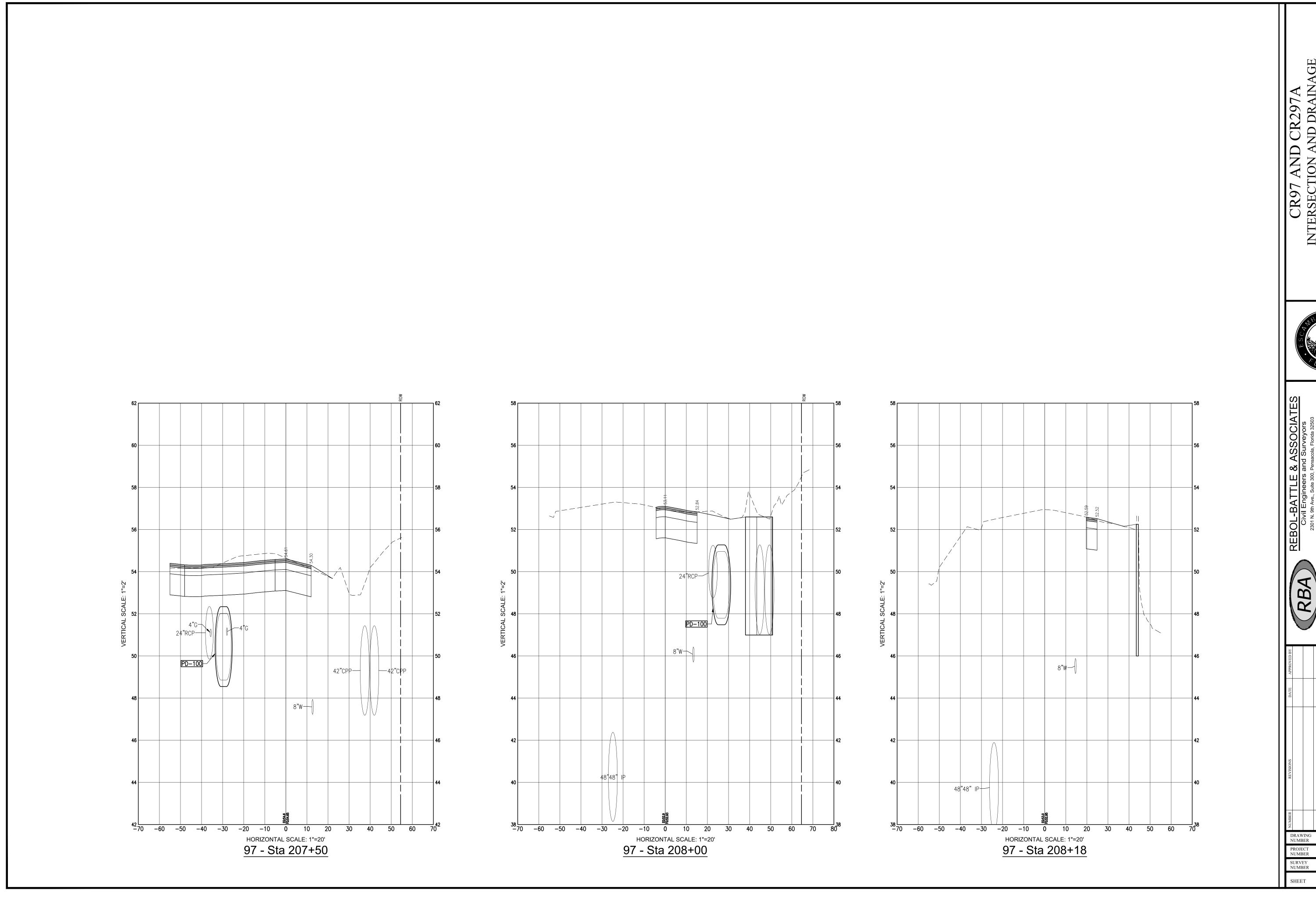






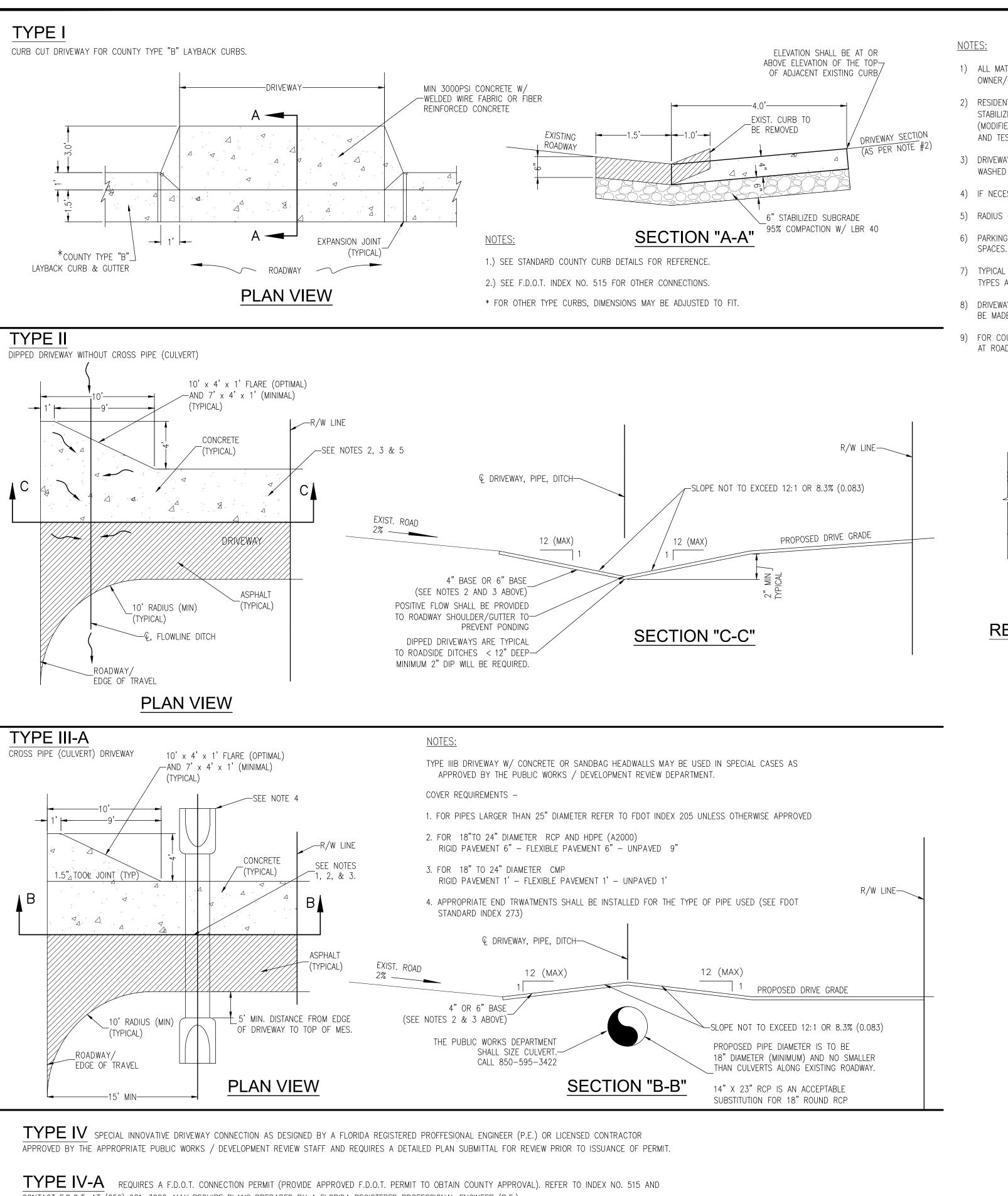


DRAWING L-4814 PROJECT ENG412



CROSS SECTIONS

DRAWING L-4814 PROJECT ENG412 SURVEY NUMBER 2018.016 sheet 21 of 25



CONTACT F.D.O.T. AT (850) 981-3000. MAY REQUIRE PLANS PREPARED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER (P.E.).

TYPICAL DRIVEWAY CONNECTION STANDARDS FOR EXISTING ROADWAY CONDITIONS

NOT TO SCALE

- 1) ALL MATERIALS AND LABOR FOR INSTALLATION WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER/CONTRACTOR.
- 2) RESIDENTIAL DRIVEWAYS ABUTTING PAVED ROADS SHALL BE 1 1/2" ASPHALT WITH 6" STABILIZED SUB GRADE OR 4" CONCRETE WITH 6" STABILIZED SUB GRADE - 98% COMPACTION (MODIFIED PROCTOR) WITH LBR 40 BETWEEN EDGE OF ROADWAY AND R/W LINE. COMPACTION AND TESTING IF NECESSARY, THIS WILL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
- 3) DRIVEWAYS ABUTTING A DIRT ROAD SHALL BE MILLED ASPHALT, GRADED AGGREGATE BASE, OR WASHED CONCRETE (4" IN DEPTH) ON THE COUNTY MAINTAINED PORTION OF DRIVEWAY.
- 4) IF NECESSARY, REFER TO FDOT INDEX DETAILS AS REFERENCED BELOW.

5" TYPE B-12.5 OR 9" GRADED

AGGREGATE BASE, MINIMUM LBR 100,

COMPACTED TO MINIMUM SOIL DENSITY OF

12" STABILIZED SUBGRADE MINIMUM

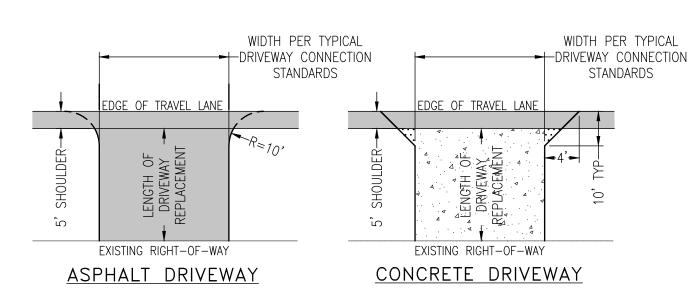
LBR 40 COMPACTED TO MINIMUM SOIL DENSITY OF 98% OF THE MODIFIED PROCTOR TEST.

98% OF THE MODIFIED PROCTOR TEST

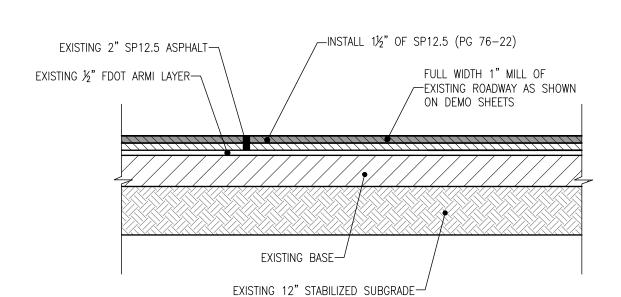
- 5) RADIUS OR FLARE IS REQUIRED FOR TYPE II OR TYPE III CONNECTIONS. SEE DETAIL.
- 6) PARKING SPACES WITHIN COUNTY RIGHT-OF-WAY SHALL PROVIDE A MINIMUM OF 2 PARKING
- 7) TYPICAL DRIVEWAY SECTIONS ARE TO BE 12' WIDE MINIMUM. (SEE NOTE #2 FOR PAVEMENT TYPES AND DEPTHS)
- 8) DRIVEWAY SLOPE SHALL NOT CREATE OR EXACERBATE VEHICULAR SCRAPING. ATTEMPTS SHALL BE MADE TO CORRECT THIS TYPE OF PROBLEM.
- 9) FOR COUNTY IMPROVEMENT PROJECTS, REPLACEMENT DRIVEWAYS SHALL MATCH EXISTING WIDTHS AT ROADWAY EDGE OF TRAVEL WITHOUT COMPROMISING SAFETY.

_INSTALL 1½" OF SP12.5 (PG 76-22)

& 2" SP12 ASPHALTIC CONCRETE

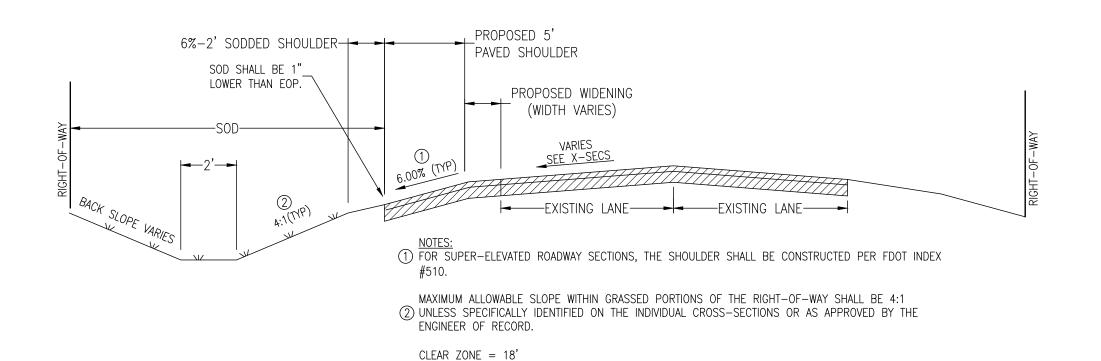


DRIVEWAY CONNECTION DETAILS

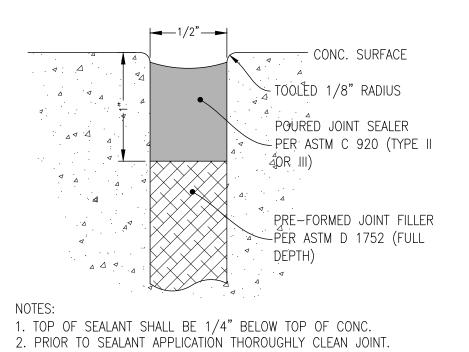


NEW CONSTRUCTION & RECONSTRUCTION PAVEMENT DETAIL

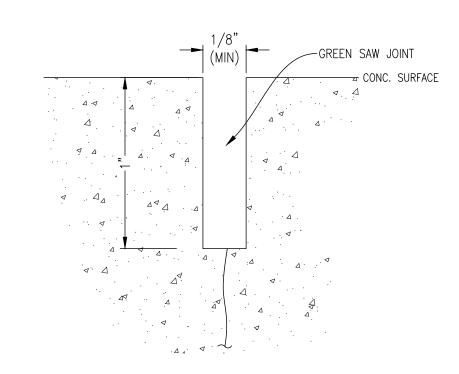
MILL & RESURFACE PAVEMENT DETAIL



TYPICAL ROADWAY SECTION N.T.S.



SEALED EXPANSION JOINT DETAIL



CONTRACTION JOINT DETAIL

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RBA

CR297A ND DRAINA IT PROJECT

CR97 AND OTTERSECTION AND IMPROVEMENT

N.T.S.

N.T.S.

CR97
GRASS SWALE DETAIL

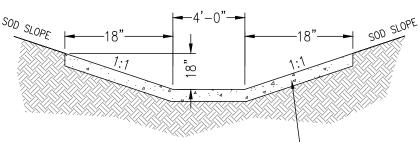
NATURAL GROUND-

BEDDING: UNDISTURBED SOIL IF ACCEPTABLE DENSITY. REMOVE AND

GRANULAR MATERIAL AS NECESSARY

REPLACE WITH COMPACTED-

FOR UNACCEPTABLE SOILS.



CONSTRUCT CONCRETE SWALE AS INDICATED ON PLANS. CONCRETE SHALL BE 3000 PSI FIBER MESH REINFORCED W/ CONTRACTION JOINTS 10' O.C. & EXPANSION JOINTS 40' O.C.

INITIAL BACKFILL:

IN SPECIFICATIONS

(MAX 6" LIFTS)

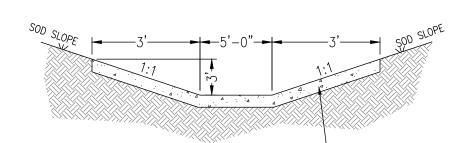
_COMPACT AS INDICATED

SUBSEQUENT BACKFILL:
COMPACT AS INDICATED
IN SPECIFICATIONS
(MAX 12" LIFTS)

FLEXIBLE PIPE BEDDING

N.T.S.

104+27.31 - 105+24.4 <u>CONCRETE DITCH DETAIL</u> _{N.T.S.}

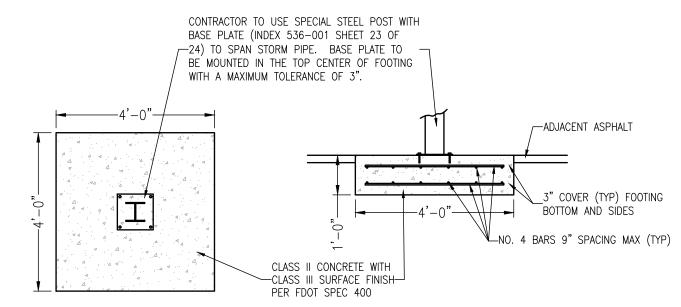


CONSTRUCT CONCRETE SWALE AS INDICATED ON PLANS. CONCRETE SHALL BE 3000 PSI FIBER MESH REINFORCED W/ CONTRACTION JOINTS 10' 0.C. & EXPANSION JOINTS 40' 0.C.

106+83.19 - 107+15.18

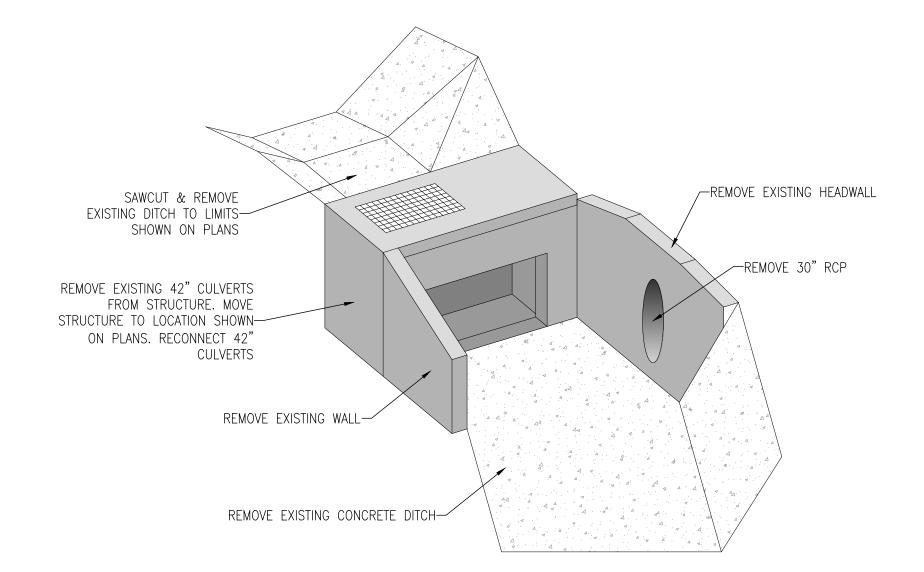
CONCRETE DITCH DETAIL

N.T.S.



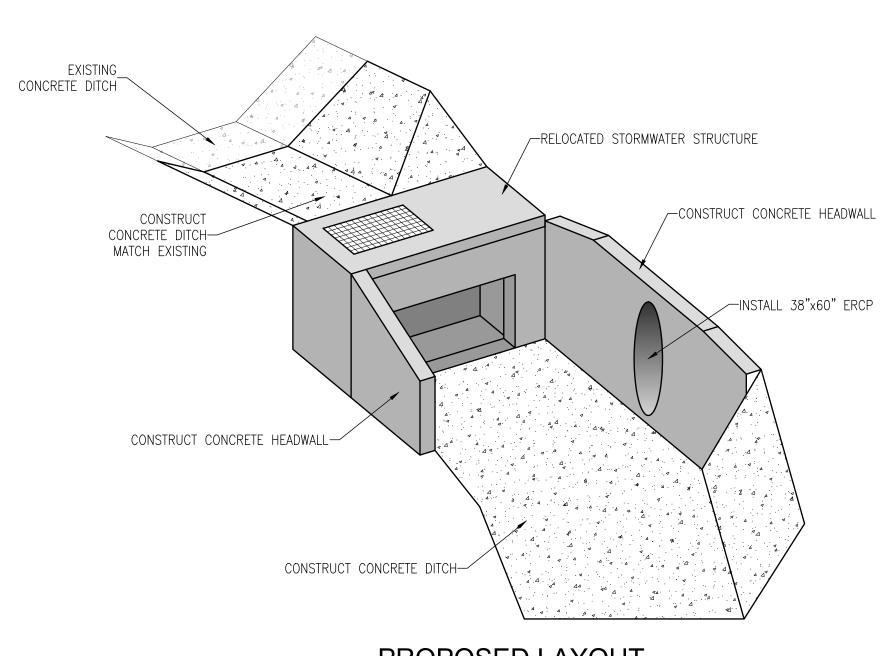
CONCRETE GUARDRAIL FOOTING DETAIL

N.T.S.



EXISTING CONDITIONS

N.T.S.



PROPOSED LAYOUT

N.T.S.

CR97 AND CR297A
INTERSECTION AND DRAINAGE
IMPROVEMENT PROJECT

2022 Z022

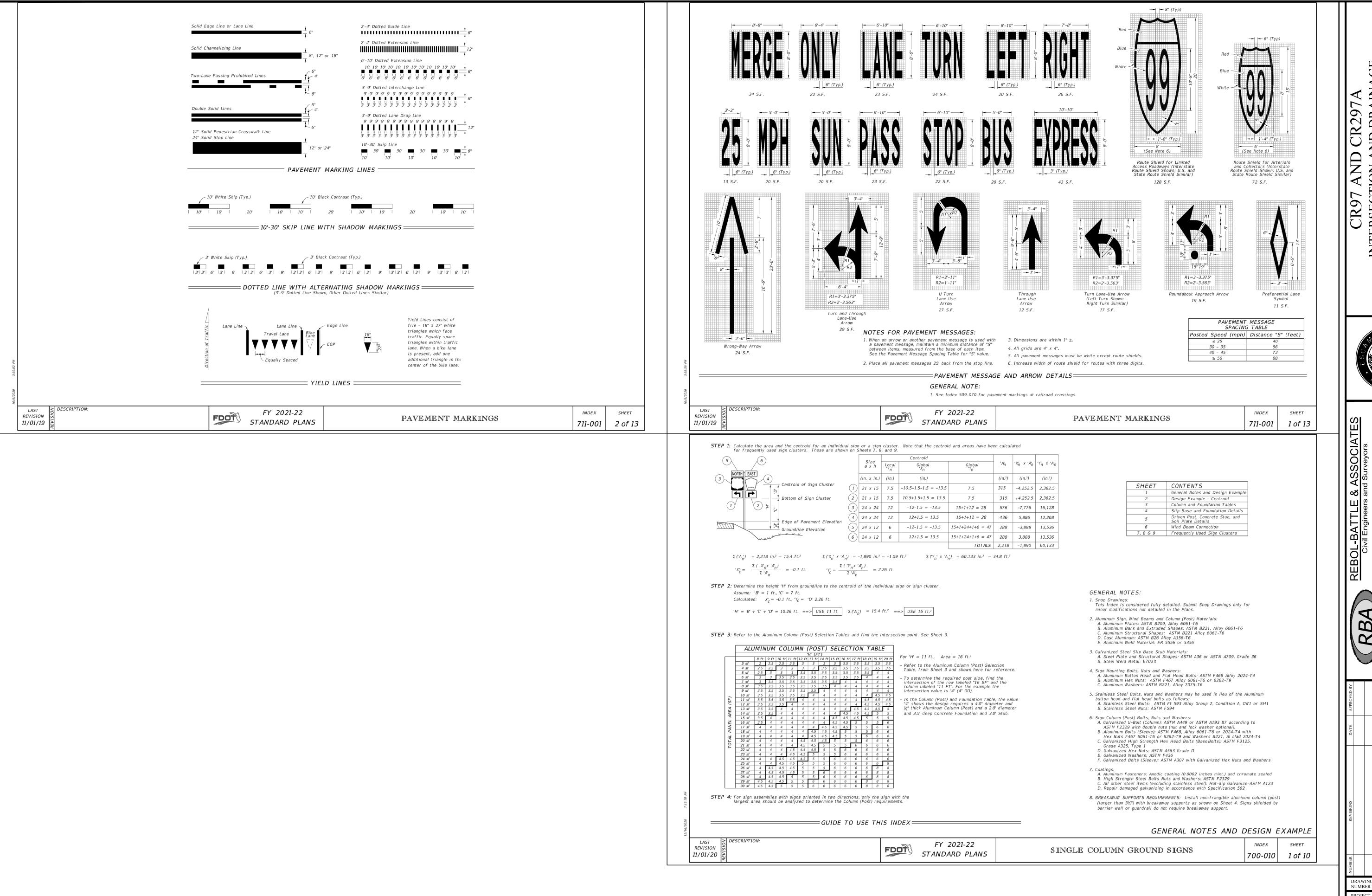
Civil Engineers an 2301 N. 9th Ave., Suite 300, Per Telephone 850.438.0400 F Telephone 850.438.0

DRAWING NUMBER L-4814
PROJECT NUMBER ENG412

PROJECT ENG412

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