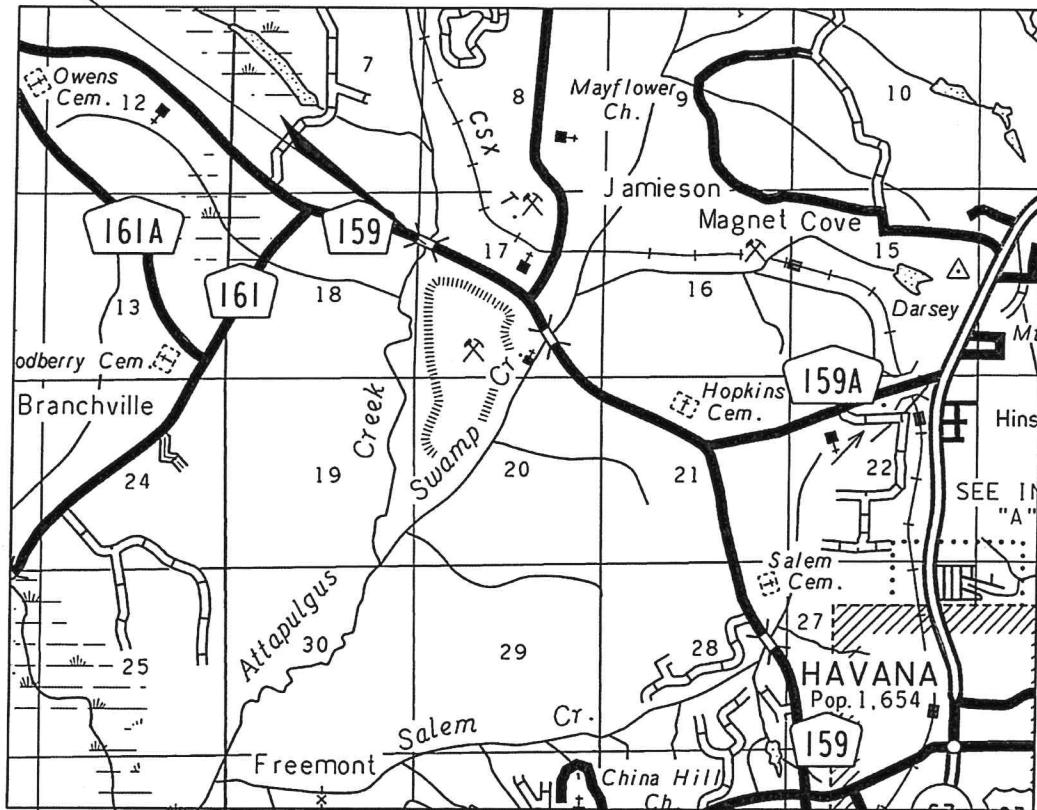


Bridge Replacement Project Gadsden County

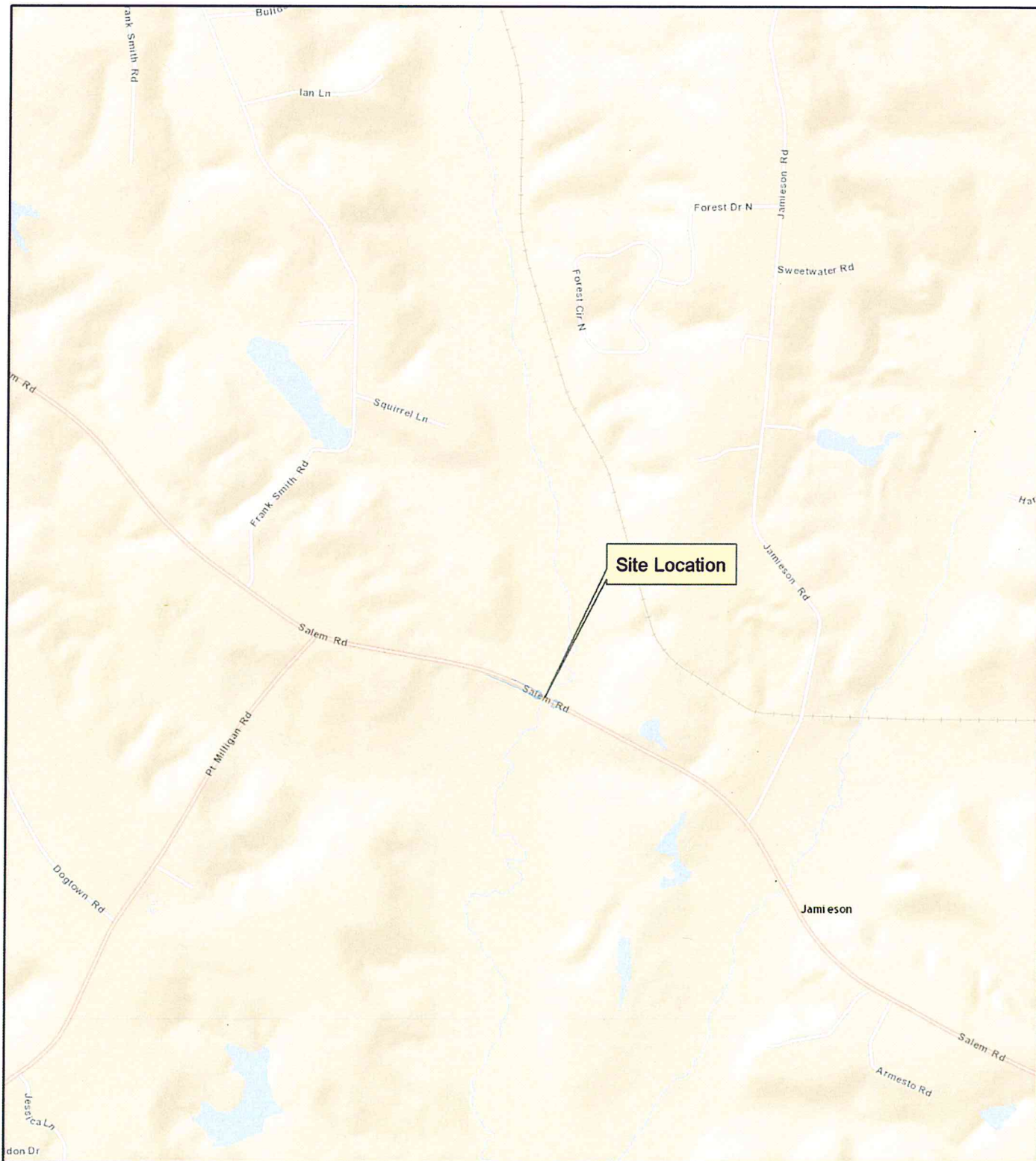
CR 159 Over Attapulgus Creek

FPID: 428624-1
Section No.: 50540000

BRIDGE # 500033



PROJECT LOCATION MAP



Legend

 Site Location

N



1:24,000

0 0.25 0.5 Miles



CR 159 Over Attapulugus Bridge

Site Location Map



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REV 6-13-16



Legend

— Delineation Line

N



1:2,400

0 100 200 400 Feet



CR 159 Over Attapulugus Bridge

Wetland Delineation Map




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Legend

-  4340, MIXED CONIFEROUS/HARDWOOD
-  4410, CONIFEROUS PLANTATIONS
-  4430, FOREST REGENERATION AREAS
-  6300, WETLAND FORESTED MIXED



1:2,400

0 100 200 400 Feet



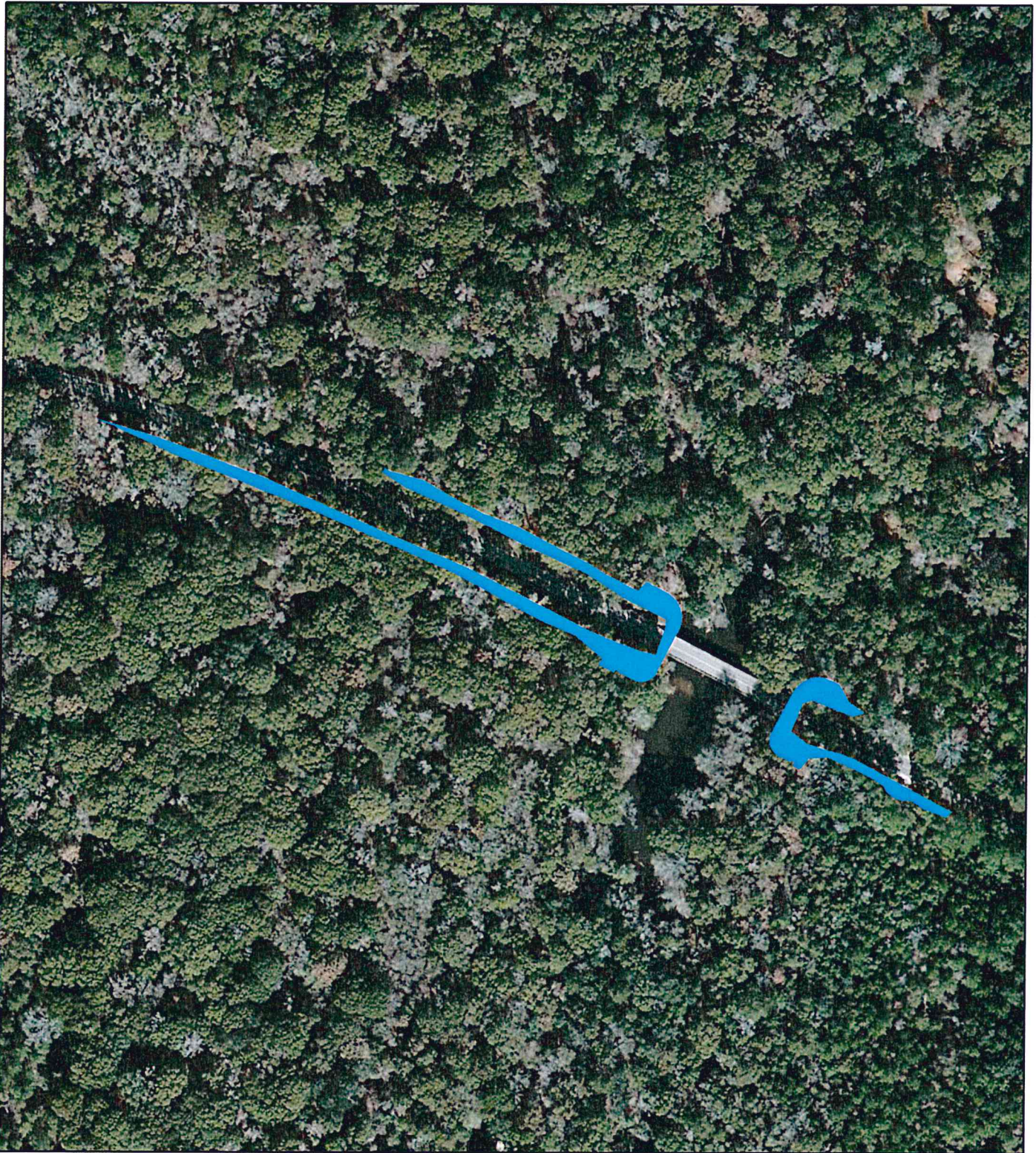
CR 159 Over Attapulugus Bridge

Fluccs Map



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Legend

 Bottomland Forest

0 100 200 400 Feet



1:2,400

CR 159 Over Attapulgus Bridge

FNAI Map



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I. SITE DESCRIPTION:

I.A. NATURE OF CONSTRUCTION ACTIVITY

THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) PROPOSES TO REPLACE THE CR 159 BRIDGE OVER ATTAPULGUS CREEK. THIS IS A REPLACEMENT BRIDGE FOR THE STRUCTURALLY DEFICIENT CONCRETE AND STEEL BRIDGE.

I.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN ALONG WITH A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, THE NEED FOR BETTER PRACTICES, OR AS DIRECTED BY THE ENGINEER. APPLICABLE EROSION CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIED IN THE FLORIDA EROSION & SEDIMENT CONTROL MANUAL; STANDARD SPECIFICATIONS 104 AND 570; AND FDOT DESIGN STANDARD INDEXES 104 AND 105. THE ENGINEER IS RESPONSIBLE FOR DETERMINING IF ANY MODIFICATIONS OR ADDITIONAL EROSION CONTROL DEVICES ARE REQUIRED AND TO OBTAIN DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL ADDITIONAL EROSION CONTROL DEVICES FROM THE CONTRACTOR.

GENERAL NOTES:

1. ALL EROSION CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
3. PROVIDE SEDIMENT BARRIER WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN.
4. PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.
5. COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
6. DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
7. TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
8. DO NOT REMOVE PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT GRASSING IS ESTABLISHED.

I.C. PROJECT AREAS

THE ESTIMATED TOTAL PROJECT AREA IS 8.05 ACRES. THE ESTIMATED AREA TO BE DISTURBED BY CONSTRUCTION ACTIVITIES IS 8.05 ACRES.

I.D. RUNOFF COEFFICIENTS BEFORE Cw(B), DURING Cw(D) AND AFTER Cw(A) CONSTRUCTION:

RUNOFF COEFFICIENT FOR:
 GRASSED SHOULDERS ADJACENT TO ROADWAY: C=0.35
 IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95
 DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.40

WEIGHTED RUN-OFF COEFFICIENT:

BEFORE: Cw(B) = 0.46 DURING: Cw(D) = 0.58 AFTER: Cw(A) = 0.47

THE RUN-OFF COEFFICIENT DURING CONSTRUCTION, Cw(D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION AS DEPICTED BY THE LIMITS OF CONSTRUCTION BOUNDARY, AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET. FROM SITE SPECIFIC GEOTECHNICAL BORING (B-2), GENERALLY, THE SOILS, CONSIST OF GRAY TO DARK BROWN FINE SAND TO FINE SAND WITH SILT AND SOME ORGANICS FOR THE FIRST 13 FEET OF DEPTH. FOR THE NEXT 10 FEET, THE SOILS CONSIST OF LIGHT GRAY TO GRAY SILTY SAND. FOR THE NEXT 5 FEET OF DEPTH, THE SOILS CONSIST OF LIGHT GREENISH GRAY TO DARK GREENISH GRAY CLAY.

OUTFALL INFORMATION:

THERE ARE 2 OUTFALLS.

#1 DESCRIPTION: RUNOFF DISCHARGES TO THE SOUTHEAST SIDE OF THE CR 159 BRIDGE.

LOCATION: STA 214+80.00 (29.74' LT.), LAT 30° 39' 45.7" N LONG 84° 27' 45.7" W
 EST. DRAINAGE AREA: 1.153 AC.
 RECEIVING WATERS: ATTAPULGUS CREEK

#2 DESCRIPTION: RUNOFF DISCHARGES TO SOUTHWEST SIDE OF CR 159 BRIDGE.

LOCATION: STA 219+32.34 (36.52' LT.), LAT 30° 39' 47.8" N LONG 84° 27' 50.2" W
 EST. DRAINAGE AREA: 0.450 AC.
 RECEIVING WATERS: ATTAPULGUS CREEK

I.E. SITE MAP:

THE CONSTRUCTION PLANS ARE TO BE USED AS SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS SHOWN BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.

- * APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN/PROFILE SHEETS, AND THE CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.
- * AREAS NOT TO BE DISTURBED: ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.
- * LOCATION OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.
- * LOCATION OF PERMANENT CONTROLS: THE ROADSIDE DITCHES ARE THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROLS. THESE ARE SHOWN ON THE ROADWAY CROSS SECTION SHEETS.
- * AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS AND THE PLAN/PROFILE SHEETS.
- * SURFACE WATERS: THE ONLY SURFACE WATER WITHIN THE SITE IS THE ATTAPULGUS CREEK, WHICH FLOWS UNDER THE CR 159 BRIDGE. THIS IS LOCATED ON THE PLAN/PROFILE SHEET.
- * DISCHARGE POINTS TO SURFACE WATERS: THERE ARE THREE DISCHARGE POINTS: THE TWO OUTFALL LOCATIONS MENTIONED IN ITEM I.D. AND THE BRIDGE CROSSING CR 159 (FROM STA. 215+38.88 TO STA. 218+13.88).
- * WETLAND IMPACT AREAS TEMPORARY AND PERMANENT FOR THE PROJECT: SEE WETLAND IMPACTS SHEET.

I.F. RECEIVING WATERS

SEE ITEM I.D. FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE TEMPORARY AND PERMANENT WETLAND IMPACTS (SEE WETLAND IMPACTS SHEET).

2. CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. WHEN FOLLOWING THE TTC PLAN OUTLINED IN THE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

2.A.1. STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

- * ARTIFICIAL COVERINGS (ROLLED EROSION CONTROL PRODUCTS) IN ACCORDANCE WITH SPECIFICATION SECTION 104.
- * TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.
- * DITCH PAVEMENT.

PERMANENT:

- * ASPHALT OR CONCRETE SURFACE.
- * SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.
- * DITCH PAVEMENT.

2.A.2. MONITORING PRACTICES:

WATER QUALITY MONITORING SHALL BE CONDUCTED BY THE PROJECT ENGINEER UPON THE OBSERVATION THAT THE WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS SHALL BE DESIGNATED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (29NTU'S ABOVE BACKGROUND). MONITORING OF WATER QUALITY SHALL BE CONDUCTED A MINIMUM OF TWICE DAILY FOR ANY EARTHWORK ACTIVITIES WITHIN THE STRUCTURE IMPROVEMENT AREA. MONITORING WILL BE ACCOMPLISHED BY RECORDING TURBIDITY READINGS FROM THE CENTER OF THE STREAM, ONE (1) UPSTREAM OF THE ACTIVITY AND ONE (1) DOWNSTREAM OF THE EROSION CONTROL DEVICES, BUT WITHIN THE PROJECT RIGHT OF WAY. IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHOULD BE STOPPED IMMEDIATELY AND EROSION CONTROL DEVICES RE-EVALUATED BY THE FDOT REPRESENTATIVE PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (29NTU'S ABOVE BACKGROUND OR GREATER THAN 0 NTU'S ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S). WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER.

REVISIONS				The Balmoral Group 165 Lincoln Avenue Winter Park, FL 32789 Phone: (407) 629-2185 www.balmoralgroup.us Certificate of Authorization No. 26123 E.O.R.: Gregory S. Seidel, P.E. No. 47571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 159	GADSDEN	428624-1-52-01		40

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2.A.3. STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

* SEDIMENT BARRIERS

SEDIMENT BARRIER LOCATIONS:

- (a) SEDIMENT BARRIER SHALL BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE EXISTING GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. SEDIMENT BARRIERS SHOULD ONLY BE USED IF:
 - (1) WETLANDS OR WATERS OF THE U.S. ARE INVOLVED
 - (2) IF UNDISTURBED VEGETATION OUTSIDE LIMITS OF CONSTRUCTION ARE NOT ADEQUATE TO FILTER RUN-OFF.
- (b) STOCKPILE AREAS SHALL INCLUDE SEDIMENT BARRIER AROUND THE PERIMETER.

* INLET PROTECTION SYSTEMS

INLET PROTECTION SYSTEM LOCATIONS:

GENERALLY, INLET PROTECTION SYSTEMS SHALL BE INSTALLED FOR THE PURPOSE OF CONTROLLING SILTATION AT CURB AND GUTTER INLETS WHERE ONE CAN NOT DRIVE A STAKE.

* TURBIDITY BARRIER (FLOATING AND STAKED):

TURBIDITY BARRIER LOCATION:

- (a) FLOATING TURBIDITY BARRIER IS TO BE USED AT AREAS WHERE PERMANENT WATER BODIES ARE GREATER THAN 3 FT. DEEP.
- (b) STAKED TURBIDITY BARRIER IS TO BE USED AT AREAS WHERE PERMANENT WATER BODIES ARE LESS THAN 3 FT. DEEP.
- (c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS.
- (d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF SOILS HAS BEEN ACHIEVED.

* ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS):

TO BE USED TO PROTECT DISTURBED SLOPES SURFACES OR A DRAINAGE CHANNEL AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER.

PERMANENT:

- * STORMWATER DITCHES
- * SOD
- * DITCH PAVEMENT

2.B. STORMWATER MANAGEMENT (EXISTING/PROPOSED):

- (a) PRESENTLY, EXISTING DRAINAGE FLOWS ARE TYPICALLY CONVEYED THROUGH ROADSIDE DITCHES. PROPOSED ROADWAY/BRIDGE RUNOFF SHALL BE COLLECTED IN BARRIER WALL/SHOULDER GUTTER INLETS AND DISCHARGE TOWARD THE CREEK. PROPOSED RUNOFF SHALL ALSO DISCHARGE TO ROADSIDE DITCHES WHICH DISCHARGE TOWARD THE CREEK.
- (b) OFF-SITE RUNOFF SHOULD BE DIVERTED AWAY FROM THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
- (c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. THIS WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.
- (d) ALL INLETS WITHIN THE PROJECT LIMITS WILL HAVE INLET PROTECTION SYSTEMS AT ALL TIMES DURING THE CONSTRUCTION.
- (e) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING THE WATERWAYS.

2.C. OTHER CONTROLS:

2.C.1 WASTE DISPOSAL

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- * THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
- * ALL FERTILIZER AND OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

- * NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS, SURFACE WATERS, OR BURIED ON SITE.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL - WILL BE CONTROLLED BY THE FOLLOWING METHODS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

- * LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN AT ALL TIMES.
- * EXCESS DIRT ON ROAD WILL BE REMOVED DAILY.
- * STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO THE FLORIDA EROSION & SEDIMENT CONTROL MANUAL.
- * USING STREET SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3. STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4. FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5. TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.C.6. FEDERAL, STATE, AND LOCAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:

INDIVIDUAL ENVIRONMENTAL RESOURCE PERMIT - FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE U.S. ARMY CORPS OF ENGINEERS.

3. MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

4. INSPECTIONS:

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 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST SWPPP.

- * POINTS OF DISCHARGE TO WATERS OF THE U.S.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
- * STRUCTURAL CONTROLS.
- * STORMWATER TREATMENT SWALES.
- * LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P CERTIFIED STORMWATER MANAGEMENT INSPECTORS. THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER. THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS.

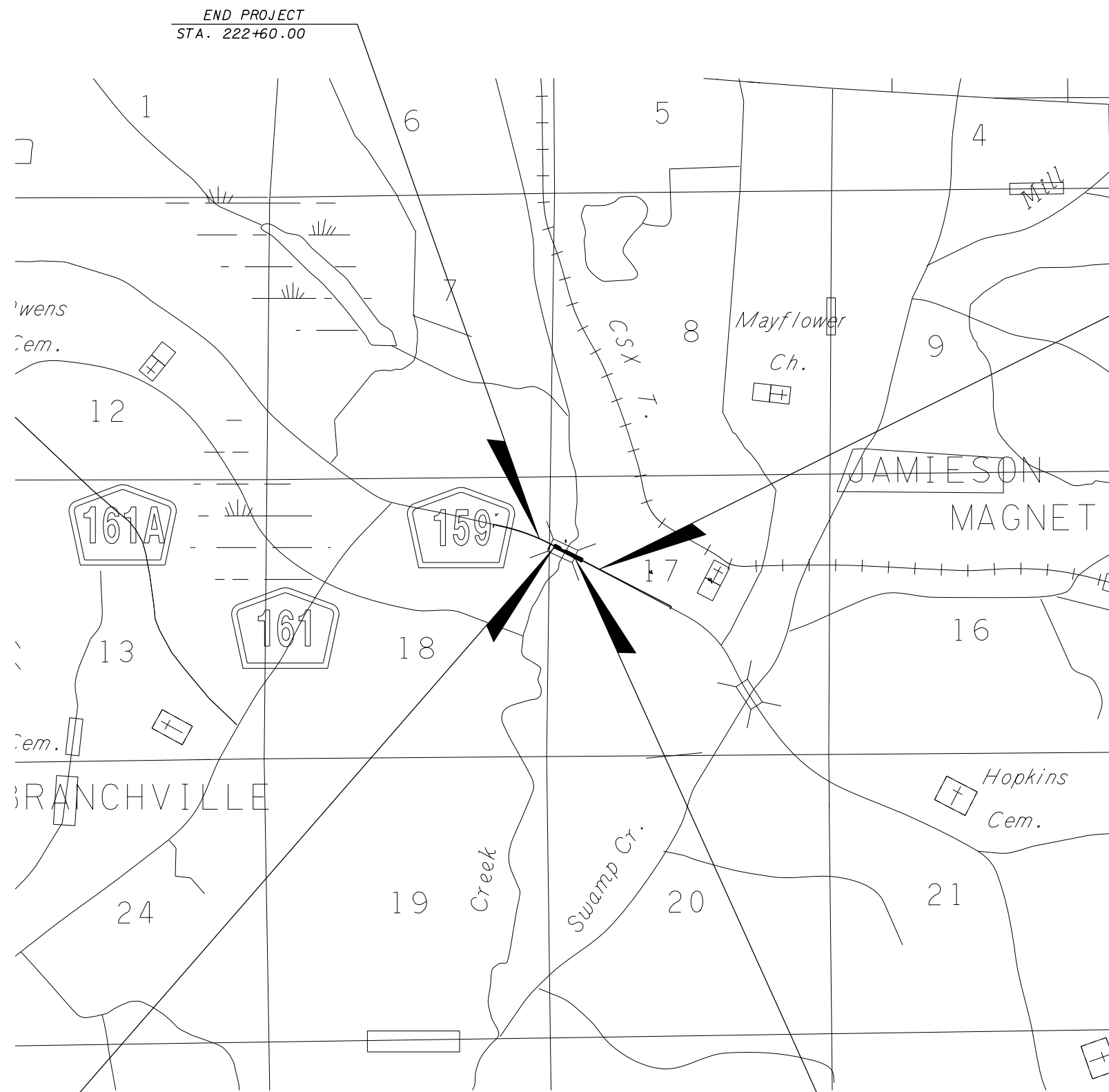
IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES.

5. NON-STORMWATER (INCLUDING SPILL REPORTING):

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT ALAN HAGANS, DISTRICT CONTAMINATION IMPACT COORDINATOR (DCIC) AT (850) 330-1511.

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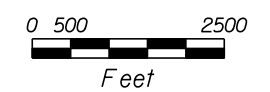


BEGIN PROJECT
STA. 209+85.00

END PROJECT
STA. 222+60.00

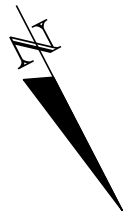
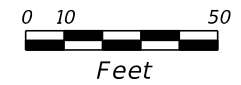
OUTFALL LOCATION
STA. 219+32.34 (36.52' LT)
LAT 30 39' 47.8" N
LONG 84 27' 50.2" W

OUTFALL LOCATION
STA. 214+80.00 (29.74' LT)
LAT 30 39' 45.7" N
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					CR 159	GADSDEN	428624-1-52-01		

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BEGIN PROJECT
 END MILLING AND RESURFACING
 BEGIN FULL CONSTRUCTION
 STA. 209+85.00

LIMITS OF CONSTRUCTION

RE SURVEY & CONST. CR 159

EXIST. R/W LINE

PROPOSED R/W LINE

206 207 208 209 210 211 212 213

MATCHLINE STA. 213+00

EXIST. R/W LINE

LIMITS OF CONSTRUCTION

TEMPORARY DIVERSION EASEMENT

PROPOSED R/W LINE

BEGIN CONSTRUCTION
 BEGIN MILLING AND RESURFACING
 STA. 206+00.00

- SEDIMENT BARRIER (SYNTHETIC BALES)
- INLET PROTECTION SYSTEM
- FLOATING TURBIDITY BARRIER
- SEDIMENT BARRIER (STAKED SILT FENCE)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

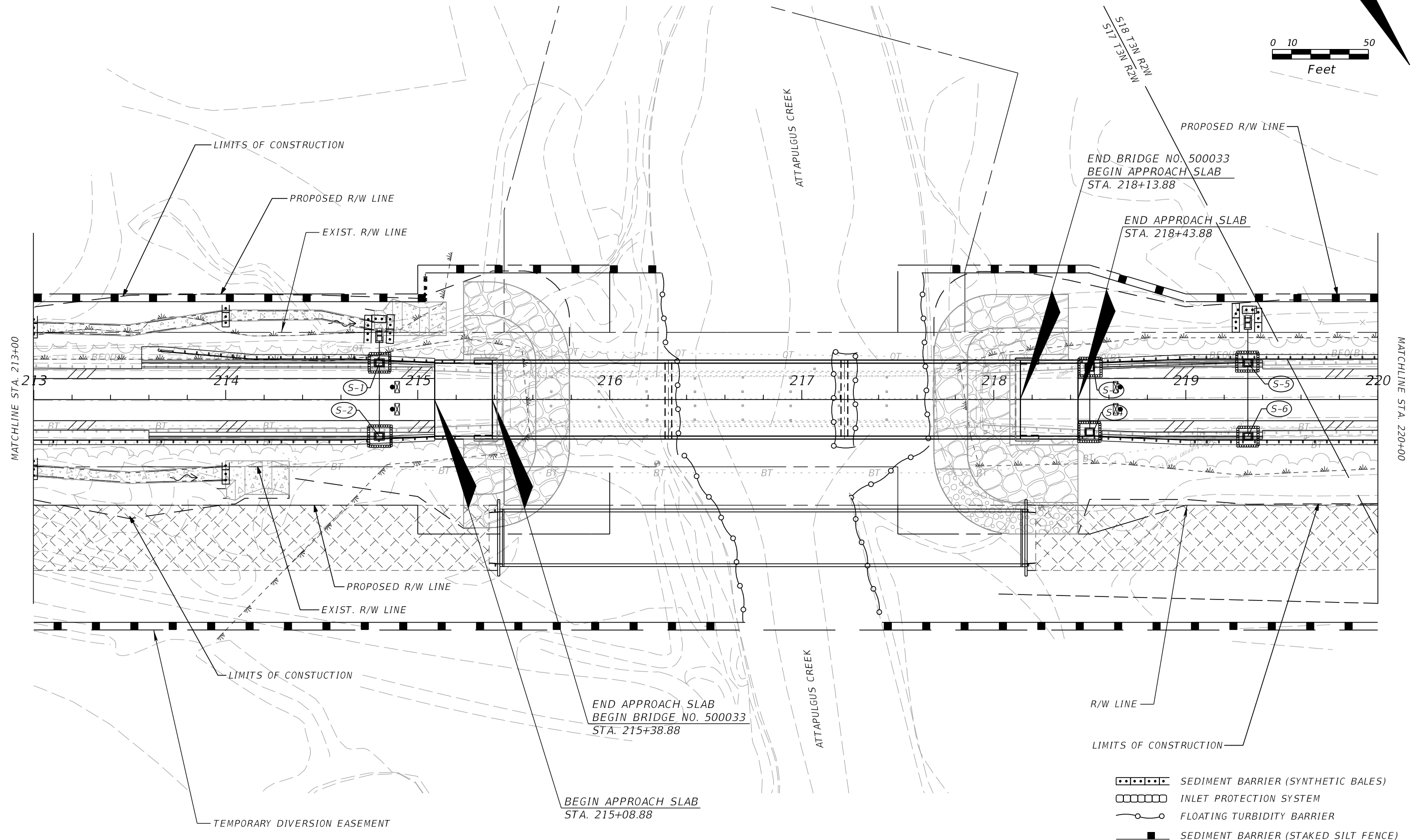
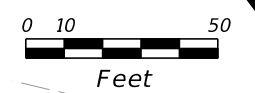
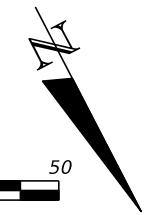
The Balmoral Group
 165 Lincoln Avenue
 Winter Park, FL 32789
 Phone: (407) 629-2185
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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EROSION CONTROL

SHEET NO.
43

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- SEDIMENT BARRIER (SYNTHETIC BALES)
- INLET PROTECTION SYSTEM
- FLOATING TURBIDITY BARRIER
- SEDIMENT BARRIER (STAKED SILT FENCE)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

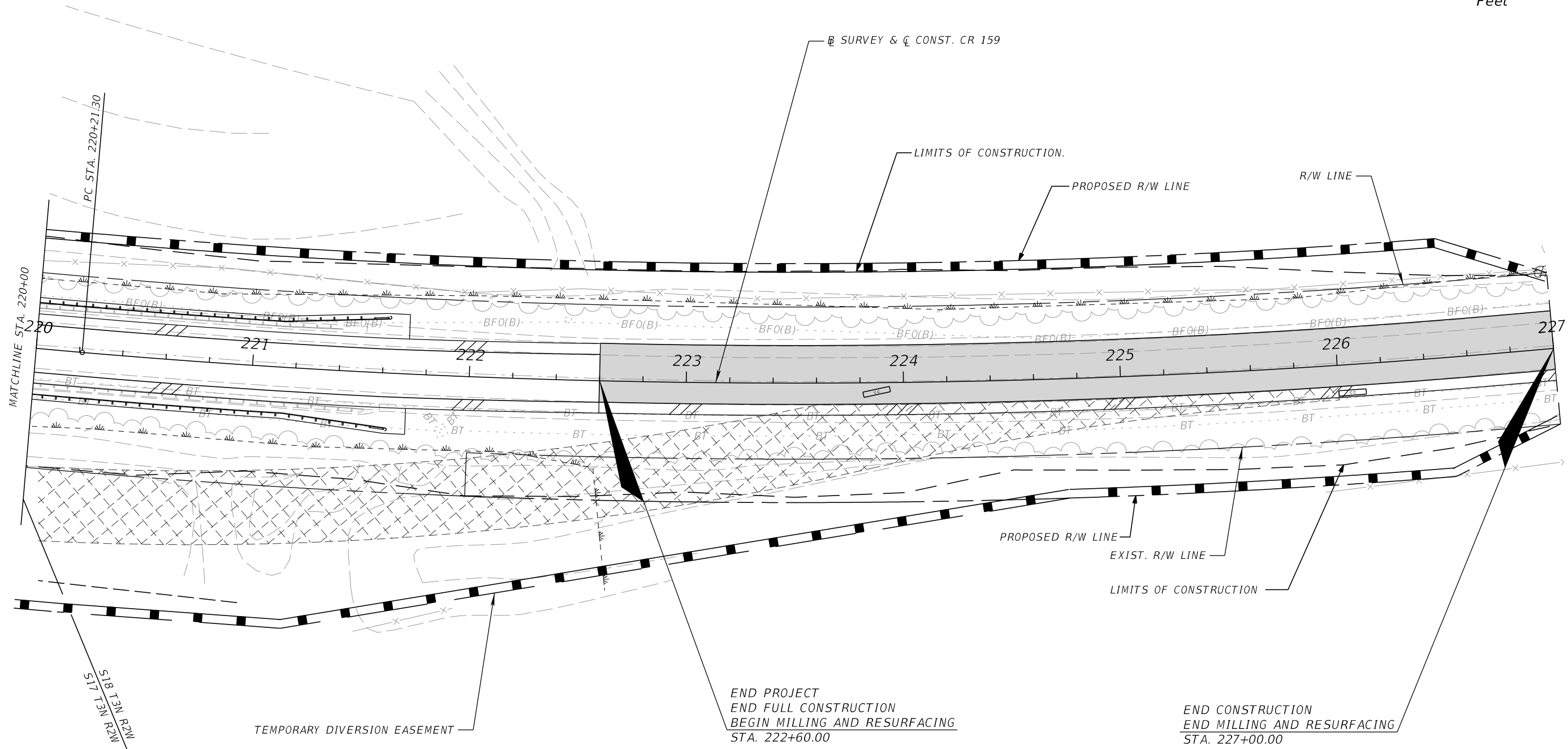
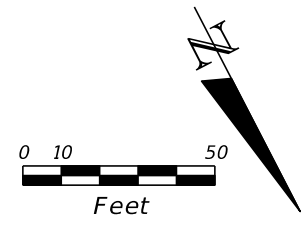
The Balmoral Group
 165 Lincoln Avenue
 Winter Park, FL 32789
 Phone: (407) 629-2185
 www.balmoralgroup.us
 Certificate of Authorization No. 26123
 E.O.R.: Gregory S. Seidel, P.E. No. 47571

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 159	GADSDEN	428624-1-52-01

EROSION CONTROL

SHEET NO.
44

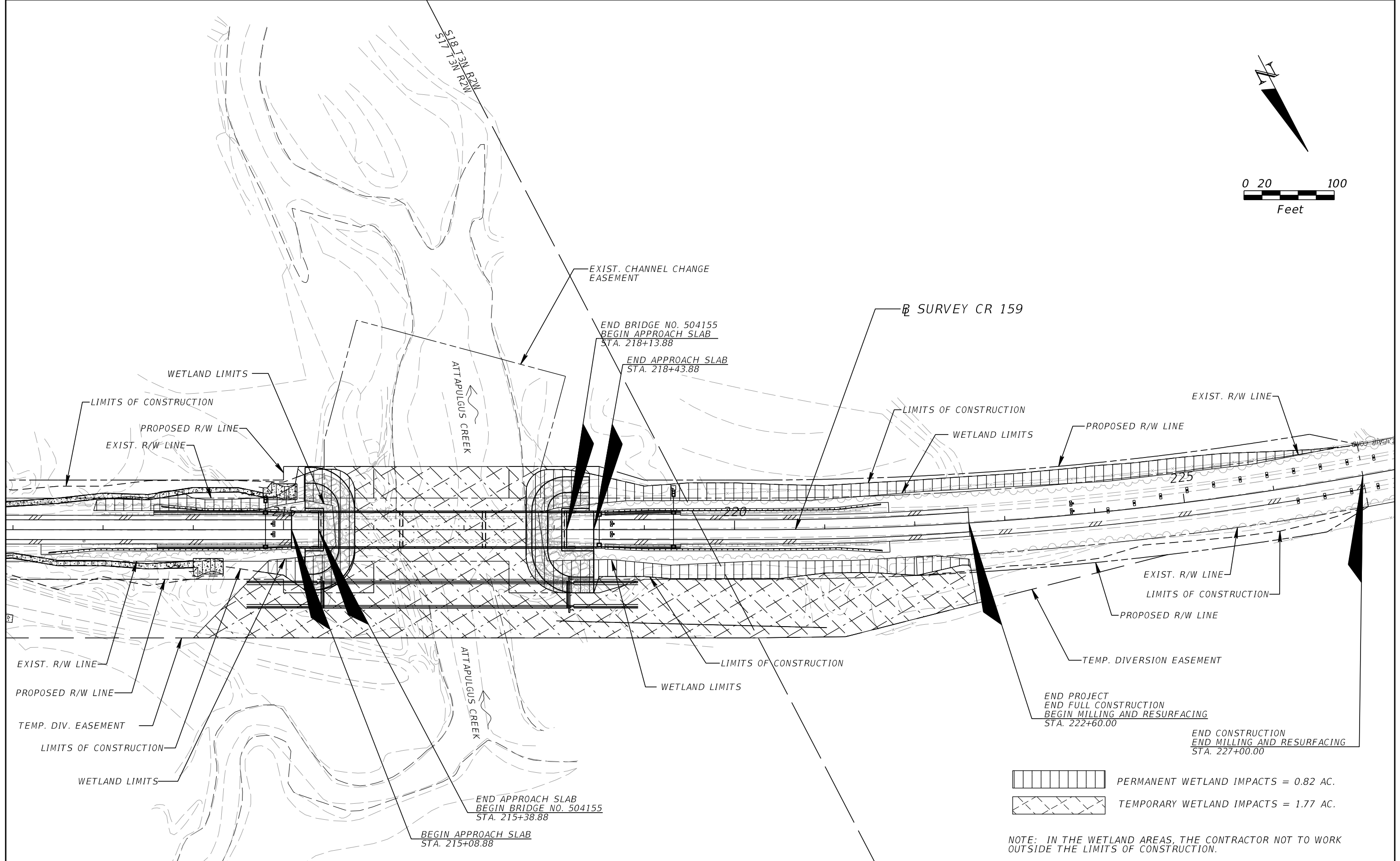
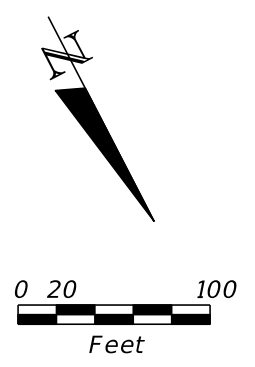
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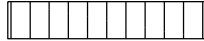



- SEDIMENT BARRIER (SYNTHETIC BALES)
- INLET PROTECTION SYSTEM
- FLOATING TURBIDITY BARRIER
- SEDIMENT BARRIER (STAKED SILT FENCE)

REVISIONS				The Balmoral Group 165 Lincoln Avenue Winter Park, FL 32789 Phone: (407) 629-2185 www.balmoralgroup.us Certificate of Authorization No. 26123 E.O.R.: Gregory S. Seidel, P.E. No. 47571	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			EROSION CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		45
					CR 159	GADSDEN	428624-1-52-01		

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 PERMANENT WETLAND IMPACTS = 0.82 AC.
 TEMPORARY WETLAND IMPACTS = 1.77 AC.

NOTE: IN THE WETLAND AREAS, THE CONTRACTOR NOT TO WORK OUTSIDE THE LIMITS OF CONSTRUCTION.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 159	GADSDEN	428624-1-52-01

WETLAND IMPACTS

SHEET NO.
46

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