

Exhibit A
APPROVED
 Permit No. TEM160036

As being consistent with Chapter 5
 of the City of Tallahassee
 Land Development Code

[Signature]
 Authorized Signature
 for the

Growth Management Director

5/4/16

Approved Date

5/4/19

Original Expiration Date

Extension Expiration Date

See Exhibit B For
 Special Conditions

COMMISSIONERS:

WILLIAM C. PROCTOR, JR.
 DISTRICT 1

JANE G. SALAS
 DISTRICT 2

JOHN DAREY
 DISTRICT 3

BRYAN DESLOGE
 DISTRICT 4

KRISTIN DOZIER
 DISTRICT 5

MARY ANN LINDLEY
 AT-LARGE

NICK MADDOX
 AT-LARGE



VINCENT S. LONG
 COUNTY ADMINISTRATOR
 HERBERT W. A. THIELE
 COUNTY ATTORNEY
 TONY PARK, P.E.
 PUBLIC WORKS DIRECTOR

LEON COUNTY
 DEPARTMENT OF PUBLIC WORKS

MICCOSUKEE CANOPY ROAD
 GREENWAY TRAIL PHASE III
 (RESURFACING PLANS AND BID
 SPECIFICATIONS)

Final
 set

APPROVED

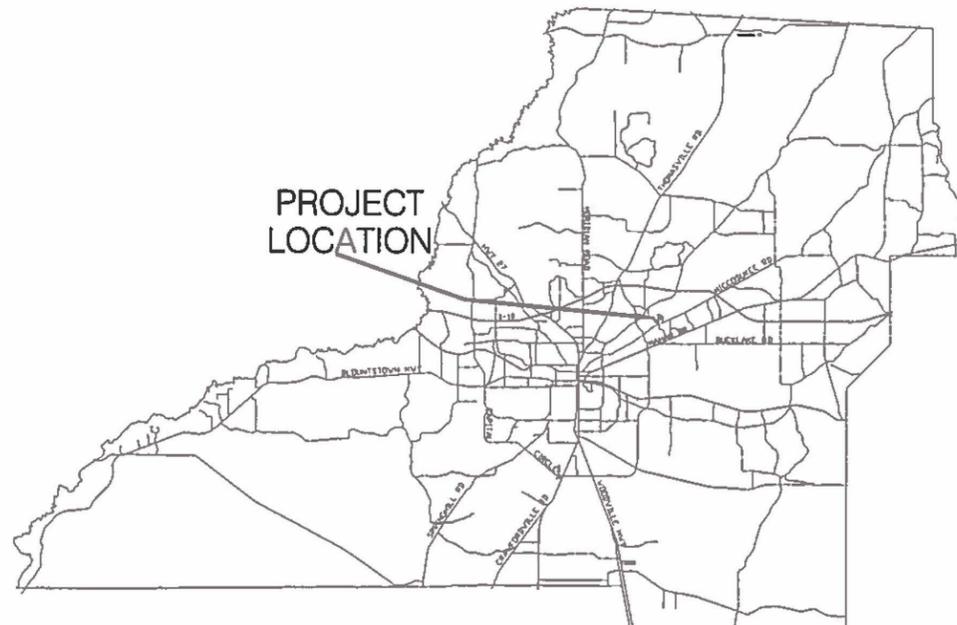
[Signature]
 Water Resources Engineering

4/25/16
 Date

SUMMARY OF GENERAL SCOPE OF WORK

TRAIL IMPROVEMENTS

- 7,658 FEET OF 12-FOOT WIDE LIMEROCK AND SHELL SCREENINGS SURFACING
- 80 FEET OF 12-FOOT WIDE LIMEROCK AND CONLOCK II OPEN CONCRETE BLOCK TRAIL
- ESTIMATED 44 ROLLING GRADE DIPS ON TRAIL
- ESTIMATED 3 LOW WATER CROSSINGS (PAVERS)



RECEIVED
 APR 21 2016
 GROWTH MANAGEMENT

INDEX OF PLANS

SHEET	SHEET DESCRIPTION
1	COVER SHEET
2	PLAN VIEW
3-4	BID SPECIFICATIONS
5-10	TYPICAL SECTIONS AND DETAILS

DIVISION OF ENGINEERING SERVICES

PUBLIC WORKS CENTER
 2280 MICCOSUKEE ROAD (850)606-1500

PREPARED BY:

amc foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392



[Signature]
 GEOFFREY D. SCHAEFER, P.E. NO. 84814
 DATE: 4/25/16

1
 OF
 10

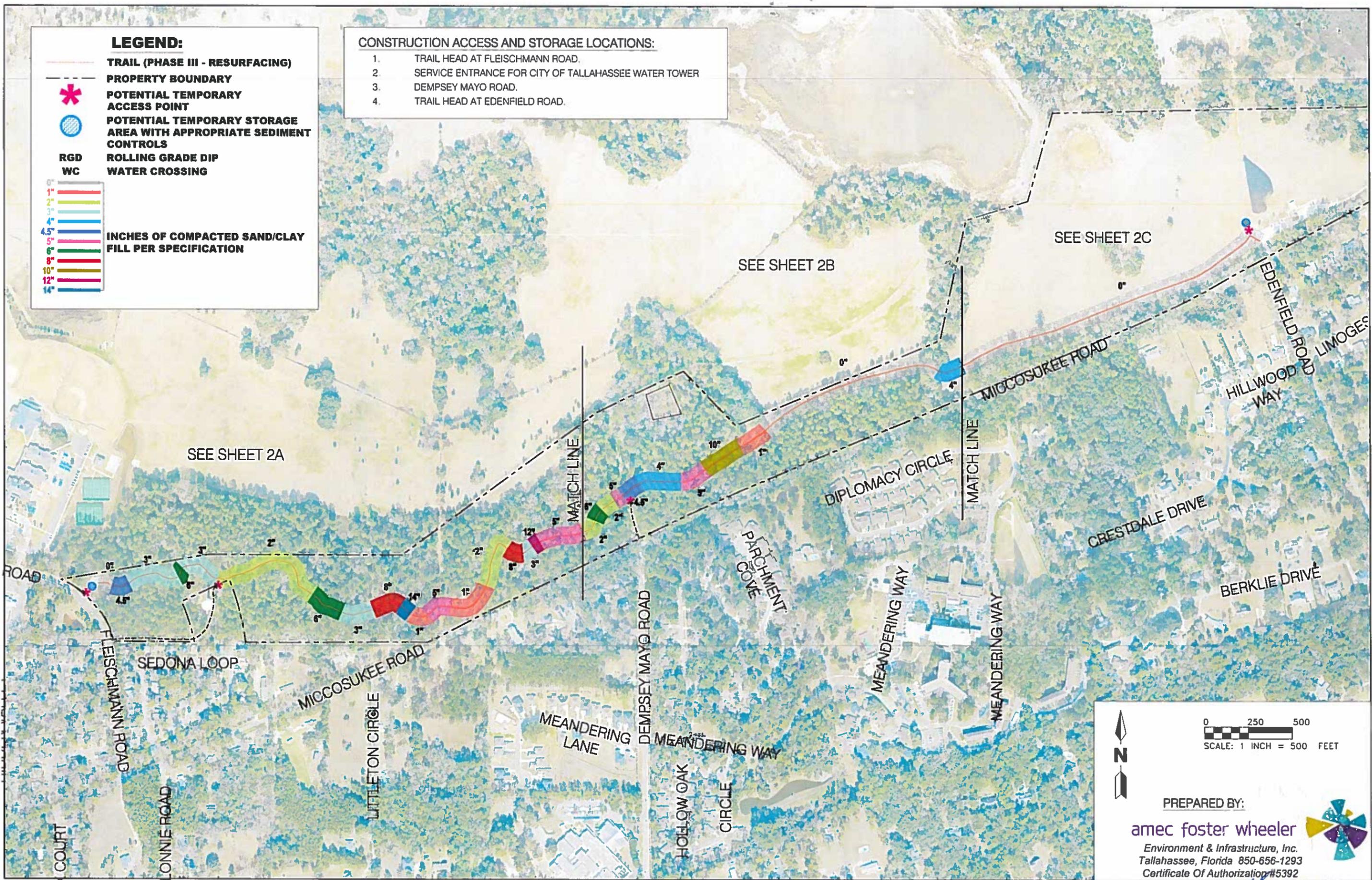
TEM160036 (2)

LEGEND:

-  TRAIL (PHASE III - RESURFACING)
-  PROPERTY BOUNDARY
-  POTENTIAL TEMPORARY ACCESS POINT
-  POTENTIAL TEMPORARY STORAGE AREA WITH APPROPRIATE SEDIMENT CONTROLS
- RGD**
WC
-  INCHES OF COMPACTED SAND/CLAY FILL PER SPECIFICATION
-  ROLLING GRADE DIP
-  WATER CROSSING

CONSTRUCTION ACCESS AND STORAGE LOCATIONS:

1. TRAIL HEAD AT FLEISCHMANN ROAD.
2. SERVICE ENTRANCE FOR CITY OF TALLAHASSEE WATER TOWER
3. DEMPSEY MAYO ROAD.
4. TRAIL HEAD AT EDENFIELD ROAD.



PREPARED BY:
amec foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392



LEON COUNTY DEPARTMENT OF PUBLIC WORKS
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308
 PHONE (850) 606-1500 * FAX (850) 606-1501

Designed By	G. Scheffer
Date	4/20/2018
Scale	1" = 500'
Drawn By	CB

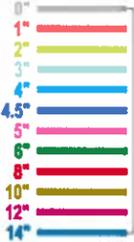
PROJECT: **MICCOSUKEE RD. GREENWAY TRAIL - PH III (RESURFACING PLANS)**

SHEET TITLE: **PLAN VIEW**

ENGINEER OF RECORD:

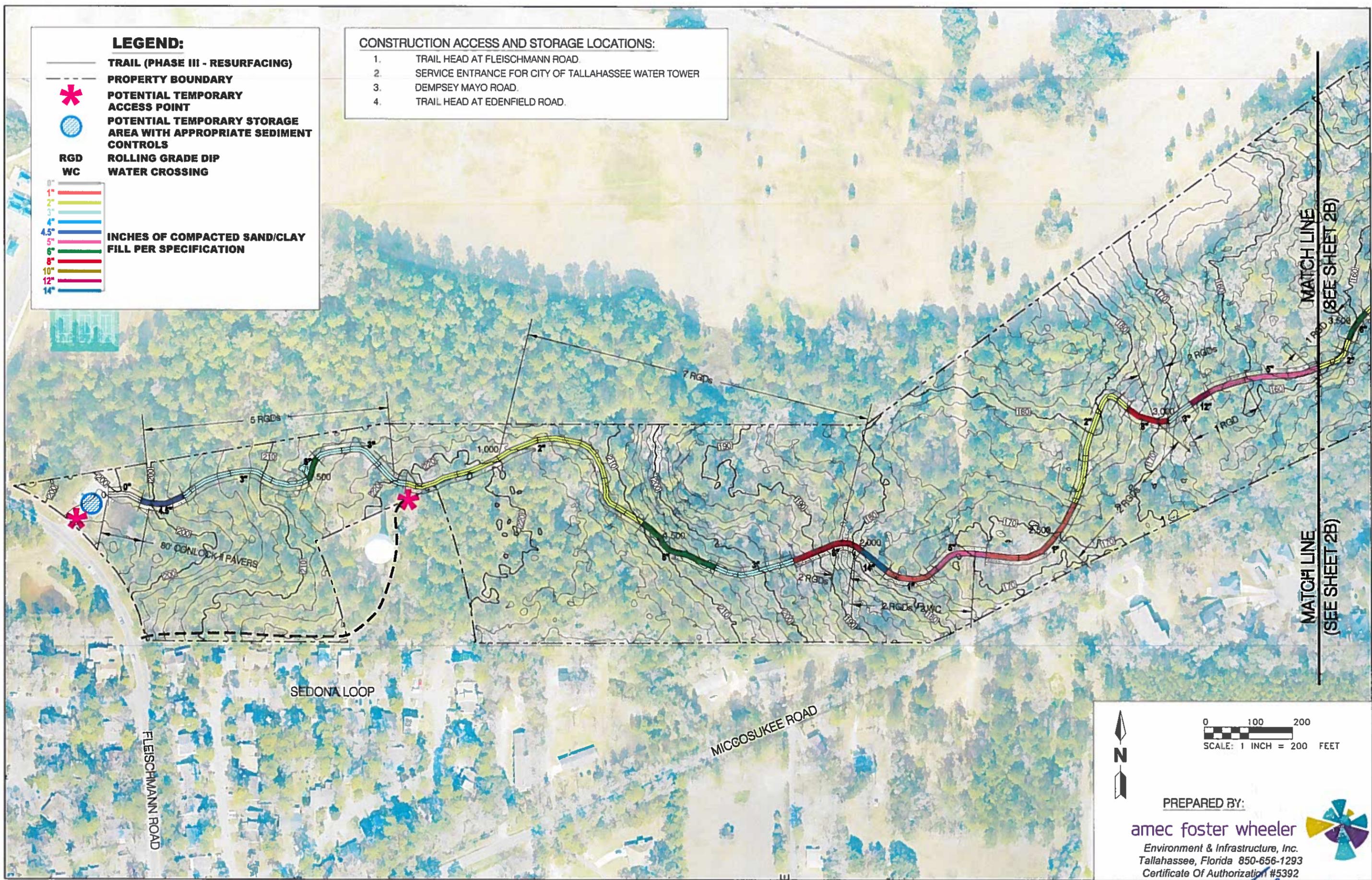
 GEOFFREY D. SCHEFFER P.E. NO. 94014
 DATE: 4/21/18

LEGEND:

-  TRAIL (PHASE III - RESURFACING)
-  PROPERTY BOUNDARY
-  POTENTIAL TEMPORARY ACCESS POINT
-  POTENTIAL TEMPORARY STORAGE AREA WITH APPROPRIATE SEDIMENT CONTROLS
- RGD**
WC
-  INCHES OF COMPACTED SAND/CLAY FILL PER SPECIFICATION
-  ROLLING GRADE DIP
-  WATER CROSSING

CONSTRUCTION ACCESS AND STORAGE LOCATIONS:

1. TRAIL HEAD AT FLEISCHMANN ROAD.
2. SERVICE ENTRANCE FOR CITY OF TALLAHASSEE WATER TOWER
3. DEMPSEY MAYO ROAD.
4. TRAIL HEAD AT EDENFIELD ROAD.



PREPARED BY:
amec foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392

LEON COUNTY DEPARTMENT OF PUBLIC WORKS
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308
 PHONE (850) 606-1500 • FAX (850) 606-1501

Designed By	G. Schuster
Date	4/20/2018
Scale	1" = 200'
Drawn By	GS

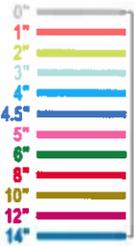
PROJECT: **MICCOSUKEE RD. GREENWAY TRAIL - PH III (RESURFACING PLANS)**

SHEET TITLE: **ENLARGED PLAN VIEW A**

ENGINEER OF RECORD:
 GEOFFREY D. GARDNER P.E. NO. 04014
 DATE: 4/24/18

LEGEND:

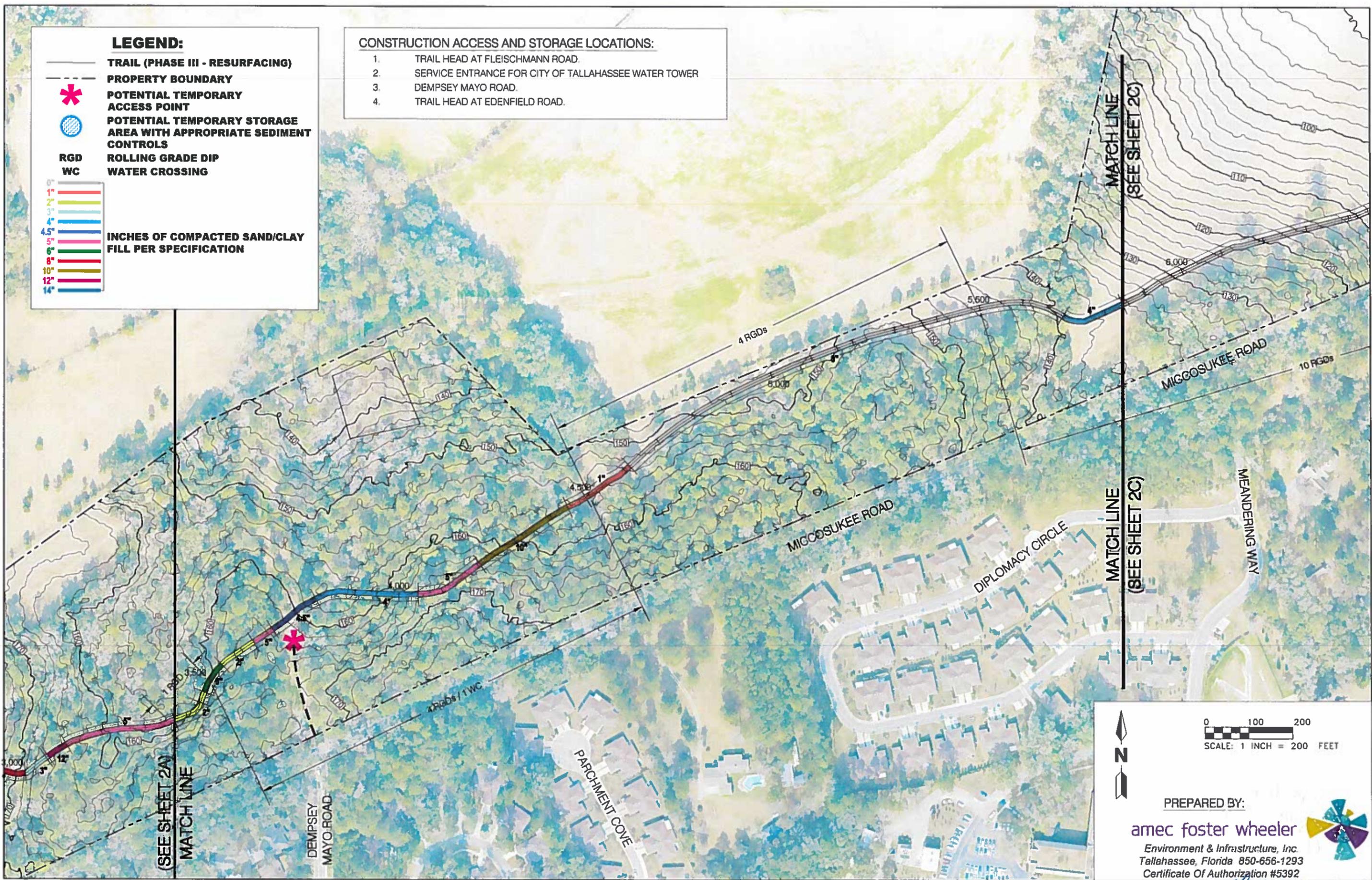
- TRAIL (PHASE III - RESURFACING)
- - - PROPERTY BOUNDARY
- ✳ POTENTIAL TEMPORARY ACCESS POINT
- ⊙ POTENTIAL TEMPORARY STORAGE AREA WITH APPROPRIATE SEDIMENT CONTROLS
- RGD ROLLING GRADE DIP
- WC WATER CROSSING



INCHES OF COMPACTED SAND/CLAY FILL PER SPECIFICATION

CONSTRUCTION ACCESS AND STORAGE LOCATIONS:

1. TRAIL HEAD AT FLEISCHMANN ROAD.
2. SERVICE ENTRANCE FOR CITY OF TALLAHASSEE WATER TOWER
3. DEMPSEY MAYO ROAD.
4. TRAIL HEAD AT EDENFIELD ROAD.



PREPARED BY:
amec foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392



LEON COUNTY DEPARTMENT OF PUBLIC WORKS
 2280 MICCOSUKEE ROAD, TALLAHASSEE FLORIDA 32308
 PHONE (850) 606-1500 * FAX (850) 606-1501

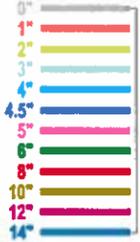
Designed By	G. Scheeler	NOTES
Date	4/20/2016	
Scale	1" = 200'	
Drawn By	GB	

PROJECT: **MICCOSUKEE RD. GREENWAY TRAIL - PH III (RESURFACING PLANS)**

SHEET TITLE: **ENLARGED PLAN VIEW B**

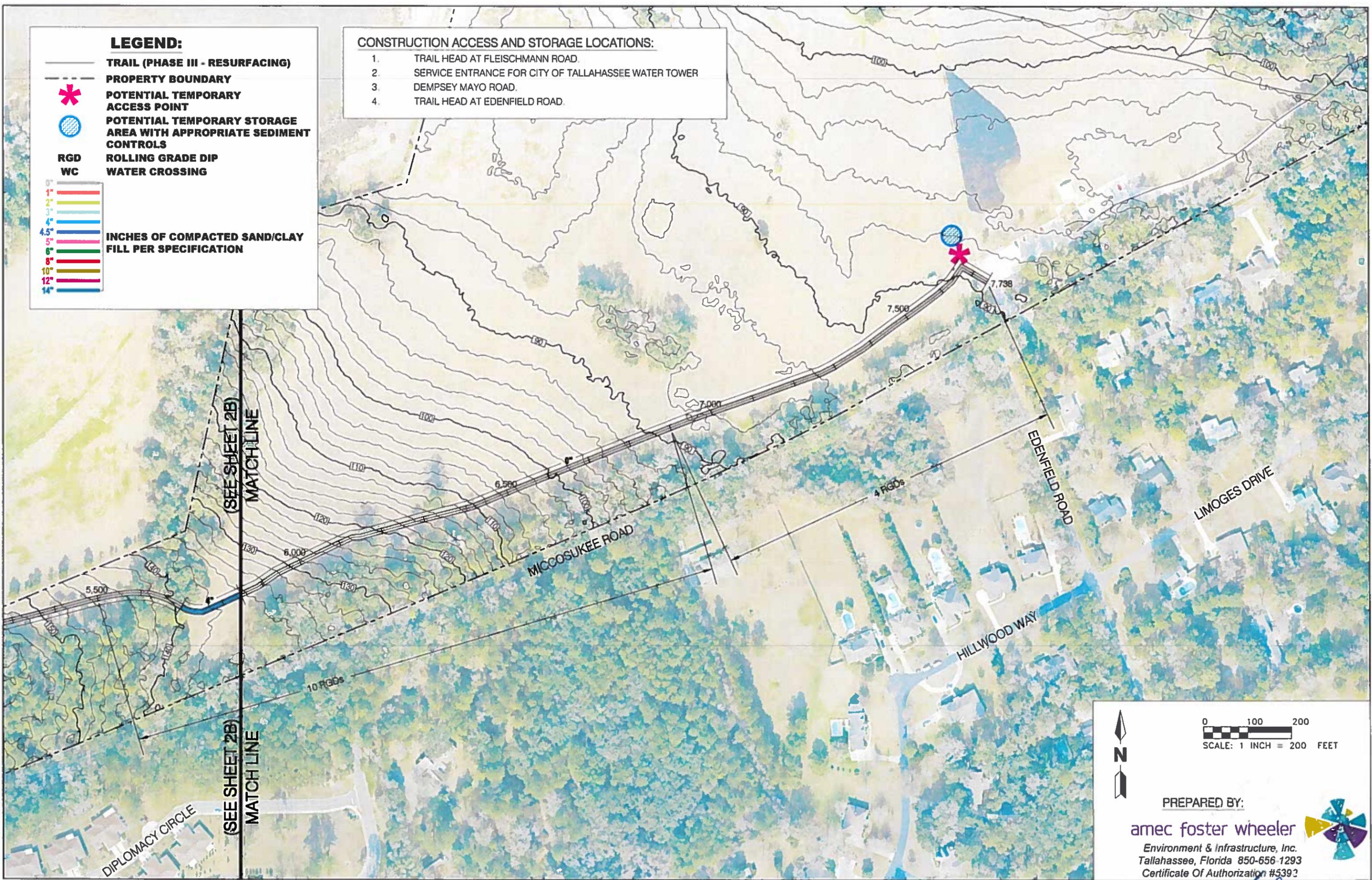
DATE: 4/21/16
 2B OF 10

LEGEND:

-  TRAIL (PHASE III - RESURFACING)
-  PROPERTY BOUNDARY
-  POTENTIAL TEMPORARY ACCESS POINT
-  POTENTIAL TEMPORARY STORAGE AREA WITH APPROPRIATE SEDIMENT CONTROLS
- RGD**
WC
-  INCHES OF COMPACTED SAND/CLAY FILL PER SPECIFICATION
-  ROLLING GRADE DIP
-  WATER CROSSING

CONSTRUCTION ACCESS AND STORAGE LOCATIONS:

1. TRAIL HEAD AT FLEISCHMANN ROAD.
2. SERVICE ENTRANCE FOR CITY OF TALLAHASSEE WATER TOWER
3. DEMPSEY MAYO ROAD.
4. TRAIL HEAD AT EDENFIELD ROAD.



PREPARED BY:
amec foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392

Designed By	Q. Schuster	NOTES
Date	4/20/2018	
Scale	1" = 200'	
Drawn By	CB	

BID SPECIFICATIONS

GENERAL NOTES

1. A SUFFICIENT LABOR FORCE SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR TO UNDERTAKE THE SCOPE OF WORK THAT IS TO BE PERFORMED. PRIOR TO THE START OF EACH DAYS WORK, THE ON-SITE INSPECTOR SHALL APPROVE THE PERSONNEL PROVIDED BY THE CONTRACTOR TO INSURE THAT AN ADEQUATE NUMBER OF WORKERS ARE AVAILABLE AS WELL AS CAPABLE OF PROVIDING THE SKILLS NECESSARY TO PERFORM THE NECESSARY TASK. IF AT ANY TIME, DURING THE WORKING DAY, THE INSPECTOR FEELS THAT ADEQUATE PERSONNEL ARE NOT BEING PROVIDED, HE MAY STOP ALL WORK ACTIVITIES UNTIL THE CONTRACTOR CORRECTS THE SITUATION. THE CONTRACTOR'S SUPERINTENDENT SHALL BE FREE AT ALL TIMES TO SUPERVISE AND COORDINATE THE WORK IN PROGRESS WITH THE ON-SITE INSPECTOR WITHOUT BEING REQUIRED TO PERSONALLY OPERATE THE EQUIPMENT OF THE PROJECT.
2. LEON COUNTY SHALL RESERVE THE RIGHT TO SAMPLE ANY OR ALL MATERIALS TO DETERMINE THAT MATERIALS MEET DESIGN SPECIFICATIONS. FAILURE TO MEET SPECIFICATIONS SHALL BE CAUSE FOR CANCELLATION OF DELIVERY, REJECTION OF MATERIALS PROVIDED FOR PARTIAL OR FULL PAYMENT DEDUCTION AS DETERMINED BY THE COUNTY REPRESENTATIVE.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING STREETS AND PRIVATE ENTRANCES THROUGHOUT PROJECT CONSTRUCTION, AS APPLICABLE.
4. THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT FROM THE ROADWAY AND THE SHOULDER DURING NON-WORKING HOURS TO ENSURE THE LEAST PRACTICABLE INTERFERENCE WITH TRAFFIC AND PEDESTRIANS, AS APPLICABLE.
5. WORKING HOURS WILL NORMALLY BE FROM 8:30 A.M. TO 4:30 P.M., MONDAY THROUGH FRIDAY, HOWEVER, UPON REQUEST OF THE CONTRACTOR, THE ENGINEER OR HIS DESIGNEE, MAY CONSIDER AN ALTERNATIVE TO THESE WORKING HOURS BASED ON THE TIME OF THE YEAR, SITE, WEATHER, AND TRAFFIC CONDITIONS.
6. NO NIGHT WORK SHALL BE PERFORMED UNLESS ADEQUATE LIGHTING IS PROVIDED AND APPROVAL GIVEN BY THE ENGINEER OR HIS DESIGNEE. IF THE EXISTING LIGHTING IS NOT ADEQUATE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ARTIFICIAL LIGHTING THAT SHALL BE APPROVED BY THE ENGINEER OR HIS DESIGNEE.
7. OBSTRUCTIONS AND BARRICADES SHALL BE LIGHTED AT NIGHT AND SUCH LIGHTS SHALL BE KEPT BURNING FROM SUNSET TO SUNRISE. ALL SUCH SIGNING AND TRAFFIC CONTROL WITHIN THE LIMITS OF THE PROJECT SHALL BE DONE IN ACCORDANCE WITH THE ENGINEER OR HIS DESIGNEE, APPLICABLE OSHA REGULATIONS AND MUTCD, PART VI.
8. THE EXACT LOCATION OF ALL UTILITIES IN THE VICINITY OF CONSTRUCTION ACTIVITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO BEGINNING OF CONSTRUCTION AND COORDINATE SCHEDULES WITH UTILITY OWNERS DURING CONSTRUCTION.
9. THE APPROXIMATE CENTERLINE OF THE TRAIL AND APPLICABLE TYPICAL SECTION WILL BE ESTABLISHED BY COUNTY STAFF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PROJECT LAYOUT.
10. COUNTY STAFF WILL DESIGNATE SITES ADJACENT TO THE PROJECT FOR THE STORAGE OF EQUIPMENT AND MATERIALS. CONTRACTOR SHALL PROVIDE SEDIMENT AND EROSION CONTROL AROUND ALL STOCK PILE AREAS TO CONTROL SEDIMENTATION AND TURBIDITY. SEE MAP FOR DESIGNATED LOCATIONS.
11. THE CONTRACTOR SHALL GRADE SMOOTH AND STABILIZE ALL DISTURBED AREAS UTILIZED FOR MATERIALS AND EQUIPMENT STORAGE AND ANY OTHER AREAS DISTURBED AS PART OF THE CONSTRUCTION PROCESS.
12. ANY DAMAGE TO PARK PROPERTY CAUSED BY THE CONTRACTOR SHALL BE REPORTED PROMPTLY TO COUNTY STAFF AND REPAIRED AT CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SIGNAGE AND FENCING TO CLOSE BOTH THE MAIN AND ANCILLARY TRAILS TO THE PUBLIC WITHIN THE PROJECT AREA FOR THE DURATION OF THE PROJECT.
14. PROJECT AREA WILL BE CLOSED TO PUBLIC DURING CONSTRUCTION.
15. POST ALL APPLICABLE PERMITS AS REQUIRED.
16. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS, IF ANY.
17. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT AND MAINTAIN CONSTRUCTION ENTRANCES PER SHEET 5 IF THE TRACKING OF MATERIAL OFF SITE OCCURS. THE CONTRACTOR SHALL KEEP FLEISHMAN AND MICCOSUKEE ROADS CLEAR OF SEDIMENT AND DEBRIS AT ALL TIMES. CONSTRUCTION ENTRANCES SHALL BE REMOVED AND THE AREA RESTORED BY THE CONTRACTOR

GENERAL NOTES CONTINUED

17. THE PARKING AREA LOCATED AT THE DESIGNATED ACCESS POINTS, AS WELL AS, ALL STAGING AND WORK AREAS SHALL BY RESTORED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS.
18. THE PLANS WERE DEVELOPED UTILIZING AVAILABLE COUNTY GIS INFORMATION. NO DETAILED SURVEY WAS PERFORMED AS PART OF THE OVERALL PROJECT DESIGN.
19. CONTRACTOR SHALL DEVELOP AND OBTAIN APPROVAL OF A MAINTENANCE OF TRAFFIC (MOT) PLAN FROM LEON COUNTY/CITY OF TALLAHASSEE/FDOT TO ADDRESS ALL CONSTRUCTION RELATED ACTIVITIES IN AND AROUND FLEISHMAN AND MICCOSUKEE ROADS. THE CONTRACTOR SHALL ALSO PROVIDE ALL REQUIRED SIGNAGE AND FLAGGERS NECESSARY TO IMPLEMENT THE APPROVED MOT.
20. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY PHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES, PER TLDC5-56(c)(1)a 5. THE AFOREMENTIONED INSPECTOR MUST BE DESIGNATED AND BE AVAILABLE AT THE PRECONSTRUCTION MEETING.
21. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED, DURING ANY PHASE OF DEVELOPMENT, AT THE DISCRETION OF THE CITY OF TALLAHASSEE'S ENVIRONMENTAL INSPECTOR.
22. ALL DISTURBED AREAS TO BE LEFT IDLE LONGER THAN 14 DAYS MUST BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH.

TREE PRESERVATION NOTES

1. THE MICCOSUKEE ROAD CANOPY PROTECTION ZONE IS ADJACENT TO THIS TRAIL SECTION. THIS IS AN AREA 100 FOOT IN WIDTH AS MEASURED FROM THE CENTERLINE OF MICCOSUKEE ROAD. NO IMPACTS ARE PROPOSED WITHIN THIS ZONE.
2. NO TRENCHING OR EXCAVATION SHALL BE ALLOWED WITHIN THE CANOPY PROTECTION ZONE OF PROTECTED TREES, EXCEPT WHERE DEBITS OR ARBORICULTURAL MITIGATION PLANS HAVE BEEN NOTED ON THE PLANS.
3. NO TREE REMOVAL IS ALLOWED IN THE CANOPY PROTECTION ZONE OR TRAIL PROJECT AREA. THE 12 FOOT TRAIL WIDTH WILL NOT REQUIRE THE REMOVAL OF ANY TREES.
4. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE TO EXPOSED TREE ROOTS AND ANY EQUIPMENT CONTACT WITH TREE TRUNKS.
5. IF ROOTS ARE PRESENT; SEE TYPICAL CROSS SECTION FOR EXPOSED ROOTS.
6. QUESTIONS RELATED TO OVERALL TREE PROTECTION SHALL BE DIRECTED TO LEON COUNTY FORESTER TO BE DESIGNATED AT THE PRECONSTRUCTION MEETING.

SPECIFICATIONS FOR ACCESS ROADS THROUGH CANOPY ROADS PROTECTION ZONE AT DEMPSEY MAYO ROAD ENTRANCE (100-FOOT FROM CENTERLINE OF MICCOSUKEE ROAD)

1. PLACE ORANGE CONSTRUCTION FENCE ON BOTH SIDES OF ACCESS PATH INSIDE THE GATE AROUND EXISTING WATER OAK TREE(12- FOOT TO 15-FOOT WIDE). SEE SHEET 5 FOR FENCE DETAIL.
2. PLACE 12 INCHES OF WOOD CHIPS OR WOOD MULCH ON ENTIRE AREA BETWEEN CONSTRUCTION FENCE.
3. PLACE 3/4" THICK PLYWOOD SHEETS (MARINE GRADE PRESSURE TREATED) IN TIRE PATHS ON THE WOOD CHIPS.
4. COORDINATE WITH CITY OF TALLAHASSEE ENVIRONMENTAL INSPECTOR FOR PRECISE PLACEMENT OF MULCH AND FENCING.
5. MAINTAIN A MINIMUM OF 8-INCH DEPTH OF MULCH DURING USE.
6. AFTER ACCESS IS NO LONGER NEEDED REMOVE WOOD CHIPS AND TEMPORARY FENCE AND RESTORE GROUND TO PRE-CONSTRUCTION CONDITIONS.
7. NO PARKING OR STORAGE OF MATERIALS IN CANOPY PROTECTION ZONE IS ALLOWED.
8. USE FLAGGERS TO ASSIST CONSTRUCTION VEHICLES AT INGRESS AND EGRESS TO ACCESS ROADS OR TRAIL CROSSINGS PER THE CONTRACTOR'S APPROVED MOT.
9. KEEP MICCOSUKEE ROAD CLEAN OF MATERIAL BEING TRACKED OUT ONTO ROAD.
10. CANOPY ROAD COORDINATOR - TOM JACKSON (CELL 528-6015, OR OFFICE 606-1417).

PREPARED BY:

amec foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392



BID SPECIFICATIONS

TRAIL NOTES

- CONTRACTOR SHALL CLEAN TRAIL OF ALL DEBRIS AND LEAF LITTER PRIOR TO PLACEMENT OF ANY TRAIL MATERIALS
- CONTRACTOR SHALL FILL ALL EXISTING TRAIL RUTS, HOLES, WASHOUTS WITH A-3 SAND OR A-2-4 SAND/CLAY AND HAND GRADE PRIOR TO STATIC COMPACTION TO THE SPECIFIED REQUIREMENT, SUCH THAT THE LIMEROCK BASE CAN BE INSTALLED IN A UNIFORM THICKNESS.
- TRAIL SUB-BASE MATERIAL SHALL BE PLACED TO BE LEVEL OR BELOW THE HIGH SIDE OF THE EXISTING TRAIL. NO MORE THAN 6 INCHES OF SUB-BASE MAY BE ADDED IN ONE LIFT PRIOR TO COMPACTION.
- THE ACTUAL NUMBER AND LOCATION OF ROLLING GRADE DIPS AND LOW WATER CROSSINGS WILL BE PROVIDED BY THE COUNTY AFTER THE PLACEMENT OF FILL, LIMEROCK BASE AND SHELL SURFACE COVER HAS BEEN COMPLETED. LOCATIONS AND NUMBERS WILL BE PROVIDED BY THE COUNTY WITHIN 3 DAYS OF PLACEMENT OF THESE MATERIALS. FOR PURPOSES OF THIS BID, PROVIDE QUOTE FOR EACH LINE ITEM FEATURE AS SPECIFIED.
- NO TREES OR ROOTS SHALL BE CUT IN THIS PROJECT.
- LIMITED GRADING ALLOWED, ONLY AS SPECIFIED

FLEISHMAN ROAD TRAIL HEAD NOTES

- EQUIPMENT AND MATERIAL STORAGE POSSIBLE NORTH OF GATE AT NORTH SIDE OF PARKING LOT. SEE SHEET 2
- TEMPORARY STORAGE MUST BE WITHIN THE EXISTING PARKING AREA, AS THE EXISTING STORMWATER MANAGEMENT FACILITY MUST BE KEPT UNIMPEDED PER PERMITS TEM040020 AND TEM080132

EDENFIELD ROAD TRAIL HEAD NOTES

- EQUIPMENT AND MATERIAL STORAGE POSSIBLE NORTH OF GATE AT NORTH SIDE OF PARKING LOT. SEE SHEET 2.

PROPOSED CONSTRUCTION SEQUENCING

- COORDINATE TRAIL CLOSURE WITH COUNTY STAFF.
- INSTALL SOIL TRACKING PREVENTION DEVICE AT DESIGNATED TRAIL ACCESS POINTS.
- INSTALL EROSION CONTROLS.
- STAGE MATERIALS
- PLACEMENT OF MATERIALS BY EQUIPMENT APPROPRIATE FOR SCOPE OF PROJECT.
 - PLACE SAND CLAY MATERIAL TO FILL RUTS.
 - PLACE LIMEROCK BASE.
 - PLACE SHELL TOPCOAT.
- INSTALL ROLLING GRADE DIPS AND LOW WATER CROSSINGS AT DESIGNATED LOCATIONS.
- INSTALL PAVER STONES AT FLEISCHMANN ROAD TRAIL HEAD.
- COMPLETE SITE RESTORATION.

COMPACTION NOTES

- | | | |
|----|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 1. | A-3 SAND OR SAND/CLAY | 95% STANDARD PROCTOR IN ROOT ZONES (98% MODIFIED PROCTOR ELSEWHERE) |
| 2. | CRUSHED LIMEROCK BASE | 98% MODIFIED PROCTOR |
| 3. | CRUSHED SHELL SCREENINGS | 98% MODIFIED PROCTOR |
| 4. | 4 TO 6-INCH DIA. WASHED LIMEROCK | N/A |
| 5. | EXISTING SOIL (TRAIL) | STATIC ROLL AFTER HAND GRADE AND WATER (20 PASSES) |
| 6. | CONTRACTOR SHALL PROVIDE CURRENT (<30 DAYS) PROCTOR TEST RESULTS FOR ALL PROVIDED MATERIALS | |
| 7. | CONTRACTOR SHALL PROVIDE COMPACTION TESTING FOR SUB-BASE, BASE, AND CAP LIFTS AS REQUESTED BY THE COUNTY REPRESENTATIVE | |

MATERIALS NOTES

- MATERIALS SUPPLIED BY CONTRACTOR MUST MATCH THE SPECIFIED MATERIALS LIST OR AN APPROVED EQUIVALENT.
- THE GEOTEXILE WILL BE A 6 OZ. NON-WOVEN, FDOT D-3 CLASS. CONTRACTOR SHALL PROVIDE GEOTEXILE IN 15 FOOT WIDTHS. THE OVERLAP SECTIONS SHALL BE A MINIMUM OF 2 FEET WITH UPHILL SIDE OVER LAPPING THE DOWNHILL SIDE.
- INSTALLATION SHALL BE IN ACCORDANCE WITH FDOT SECTION 514
- SHELL PRODUCT IS A FINE SCREENED CRUSHED SHELL MATERIAL (1/4-INCH MINUS)
- AN AVAILABLE SUPPLIER OF CRUSHED SHELL SCREENINGS IS:
GULF COAST AGGREGATES (850) 697-4669
55502 HWY 67 SANBORN LAKES
CARABELLE, FLORIDA 32322
- AN AVAILABLE SUPPLIER OF CONLOCK II 4" THICK OPEN STYLE IS:
CONLOCK, ATLANTA, GEORGIA (770) 306-9691
- CONCRETE TOE EDGE RESTRAINT TO BE 4,000 PSI CONCRETE WITH ONE CONTINUOUS #5 REBAR REINFORCEMENT CENTERED IN CONCRETE.
- WASHED PEA GRAVEL TO BE 3/8" TO 1/2" DIAMETER.

ESTIMATED QUANTITIES

TRAIL	TOTALS
1. 4-INCH BASE	= 1,362 CUBIC YARDS
2. 1-INCH SHELL CAP	= 327 CUBIC YARDS
3. A-3 SAND/SAND-CLAY	= 846 CUBIC YARDS
4. 4 TO 6-INCH DIA. WASHED LIMEROCK	= 29 CUBIC YARDS
5. GEOTEXILE	= 2,200 LINEAR FEET
6. PAVESTONE CONLOCK II OPEN	ESTIMATED 80 LINEAR FEET OF 12' WIDE TRAIL = 960 SQUARE FEET
7. WASHED PEA GRAVEL	= 4 CUBIC YARDS
8. CONCRETE TOE EDGE RESTRAINT	= 184 LINEAR FEET

ROLLING GRADE DIPS

9. BASE	= 2.4 CUBIC YARDS EACH DIP ESTIMATED 44 ROLLING GRADE DIPS = 106 TOTAL CUBIC YARDS
10. 1-INCH SHELL CAP	= INCLUDED IN TRAIL TOTALS
11. PAVESTONE CONLOCK II OPEN	= 48 SQUARE FEET EACH DIP ESTIMATED 44 ROLLING GRADE DIPS = 2,112 TOTAL SQUARE FEET
12. WASHED PEA GRAVEL	= 0.2 CUBIC YARDS EACH DIP ESTIMATED 44 ROLLING GRADE DIPS = 9 TOTAL CUBIC YARDS
13. CONCRETE TOE EDGE RESTRAINT	= 32 LINEAR FEET EACH DIP ESTIMATED 44 ROLLING GRADE DIPS = 1,408 TOTAL LINEAR FEET

TREE PROTECTION

- PROVIDE TREE PROTECTION AS NEEDED AT TRAIL ENTRANCES, ACCESS POINTS AND STAGING AREAS.

TEMPORARY FENCING

- | | |
|--------------------------|-----------|
| 15. CONSTRUCTION FENCING | AS NEEDED |
| 16. SILT FENCING | AS NEEDED |

LOW WATER CROSSINGS

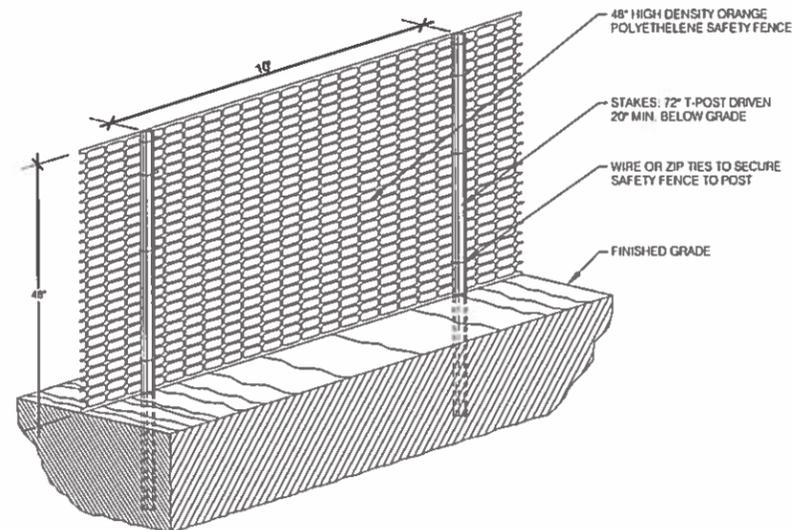
- | | |
|---------------------------------|-------------------------------------------------------------------------------------------|
| 17. PAVESTONE CONLOCK II OPEN | = 168 SQUARE FEET EACH CROSSING
ESTIMATED 3 WATER CROSSINGS
= 504 TOTAL SQUARE FEET |
| 18. WASHED PEA GRAVEL | = 0.7 CUBIC YARDS EACH CROSSING
ESTIMATED 3 WATER CROSSINGS
= 2 TOTAL CUBIC YARDS |
| 19. CONCRETE TOE EDGE RESTRAINT | = 52 LINEAR FEET EACH CROSSING
ESTIMATED 3 WATER CROSSINGS
= 156 TOTAL LINEAR FEET |

PREPARED BY:

amec foster wheeler
Environment & Infrastructure, Inc.
Tallahassee, Florida 850-656-1293
Certificate Of Authorization #5392



STANDARD DETAILS



ORANGE CONSTRUCTION FENCING
(FOR ACCESS POINTS)



PLAN VIEW

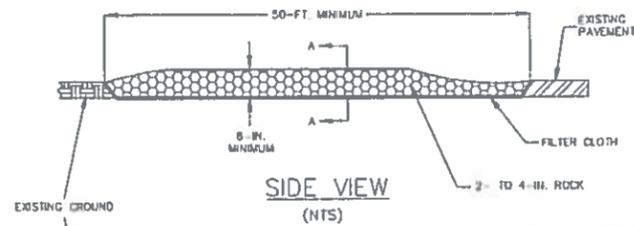


ELEVATION VIEW

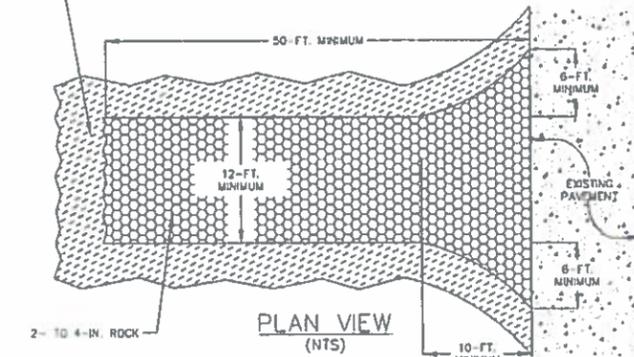
HAY BALE BARRIERS
(FOR MATERIAL STORAGE PILES)

NOTES FOR BALED HAY OR STRAW BARRIERS

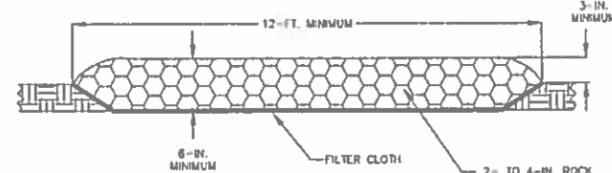
- HAY BALES SHALL BE TRENCHED 3" TO 4" AND ANCHORED WITH 2-1" X 2" (OR 1" DIA.) X 4' WOOD STAKES. STAKES OF OTHER MATERIAL OR SHAPE PROVIDING EQUIVALENT STRENGTH MAY BE USED IF APPROVED BY THE ENGINEER. STAKES OTHER THAN WOOD SHALL BE REMOVED UPON COMPLETION OF THE PROJECT.
- ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.
- WHERE USED IN CONJUNCTION WITH SILT FENCE, HAY BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.



SIDE VIEW
(NTS)

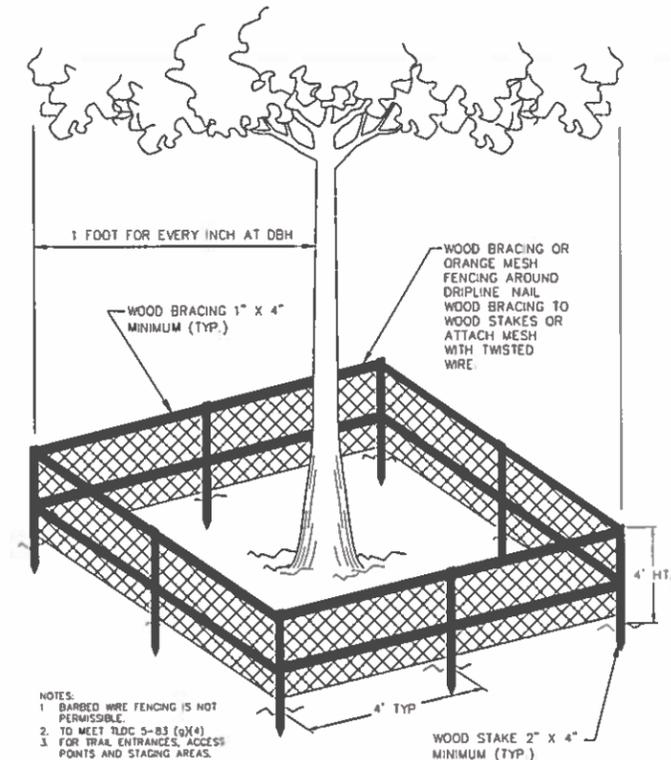


PLAN VIEW
(NTS)



SECTION A-A
(NTS)

SOIL TRACKING PREVENTION DEVICE



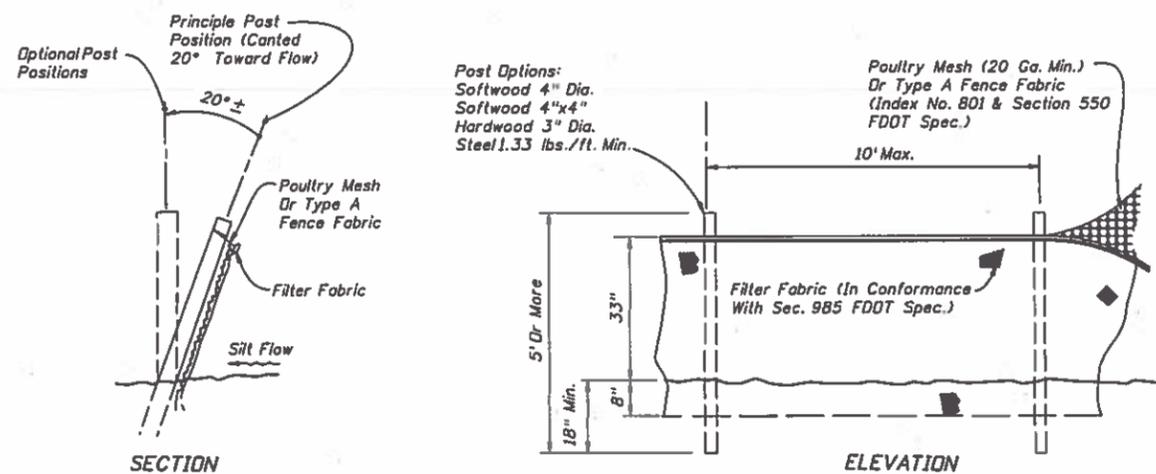
- NOTES:
- BARBED WIRE FENCING IS NOT PERMISSIBLE.
 - TO MEET FDC 5-83 (g)(4).
 - FOR TRAIL ENTRANCES, ACCESS POINTS AND STAGING AREAS.

TREE PROTECTION BARRICADE
NTS

TREE PROTECTION BARRIERS

Tree protection barriers shall be installed at the perimeter of the critical protection zone (CPZ) of each protected tree prior to the initiation of development activity to prevent root and soil compaction, resulting from vehicular traffic, equipment storage or material stockpiling. The barriers shall remain in place until such time as approved landscape operations begin, however, barriers may be removed temporarily to accommodate construction needs, provided that the manner and purpose for such temporary removal is approved in advance by the director. The following are minimum requirements for barrier types:

- Protective posts shall be placed so as to protect the critical protection zone (CPZ).
- Posts shall be of nominal two inches by four inches or larger wooden post, two inches outer diameter or larger diameter pipe, or other post of equivalent size, shall be strung with at least one one-inch by four-inch (1" x 4") wooden stringer, and shall be clearly flagged.
- Posts shall be implanted deep enough in the ground to be stable and to extend to a minimum height of four feet above the ground.
- When the director determines that the individual protective tree barriers are not needed in some areas for tree protection, such areas shall be staked and flagged with readily visible markers.
- Where development activity is permitted to occur within the critical protection zone (CPZ) of a protected tree, the director may allow the temporary removal of the tree protection barriers and shall require protective girdling of at least the bottom four feet to the trunk to avoid bruising or scraping of the trunk base, along with fencing or other approved techniques.
- All grading for drainage occurring within the CPZ of the trees shall be done by hand or as directed on-site by the permittee's certified arborist.



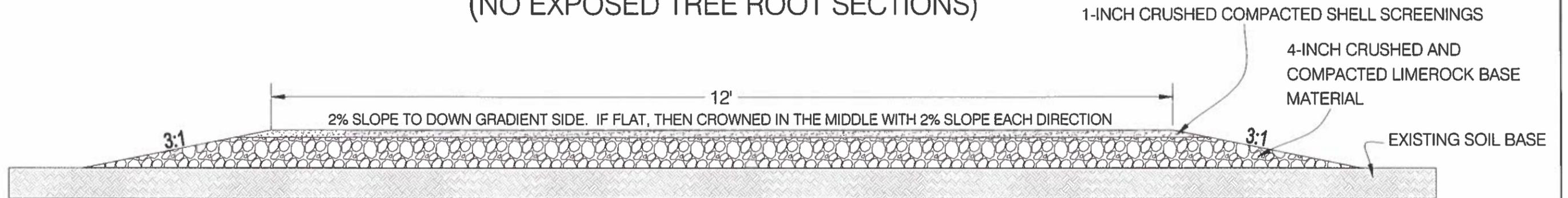
TYPE IV SILT FENCING
(FOR MATERIAL STORAGE PILES)

PREPARED BY:

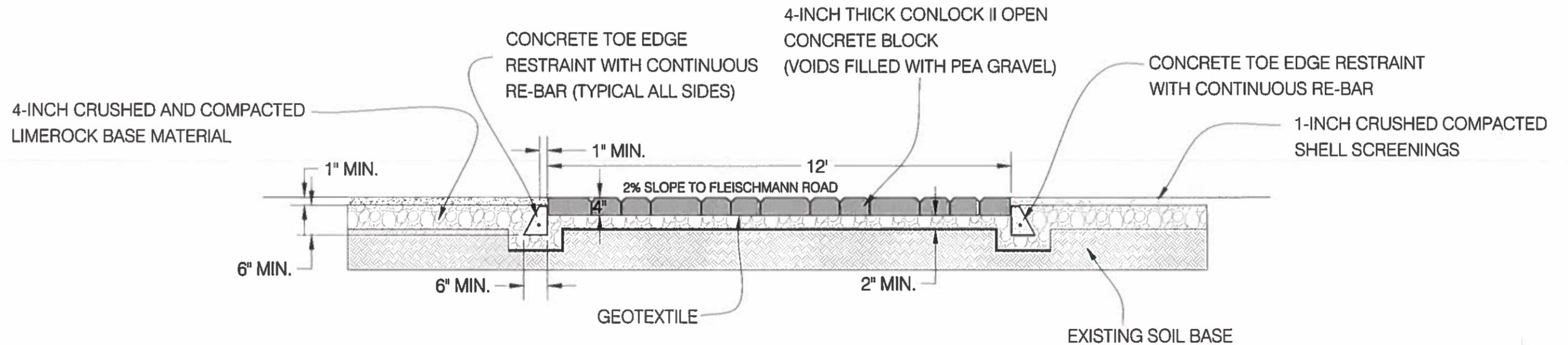
amec foster wheeler
Environment & Infrastructure, Inc.
Tallahassee, Florida 850-656-1293
Certificate of Authorization #5392



TYPICAL TRAIL CROSS SECTION (MEADOWS) (NO EXPOSED TREE ROOT SECTIONS)



TYPICAL TRAIL CROSS SECTION (CONLOCK II OPEN PAVER)

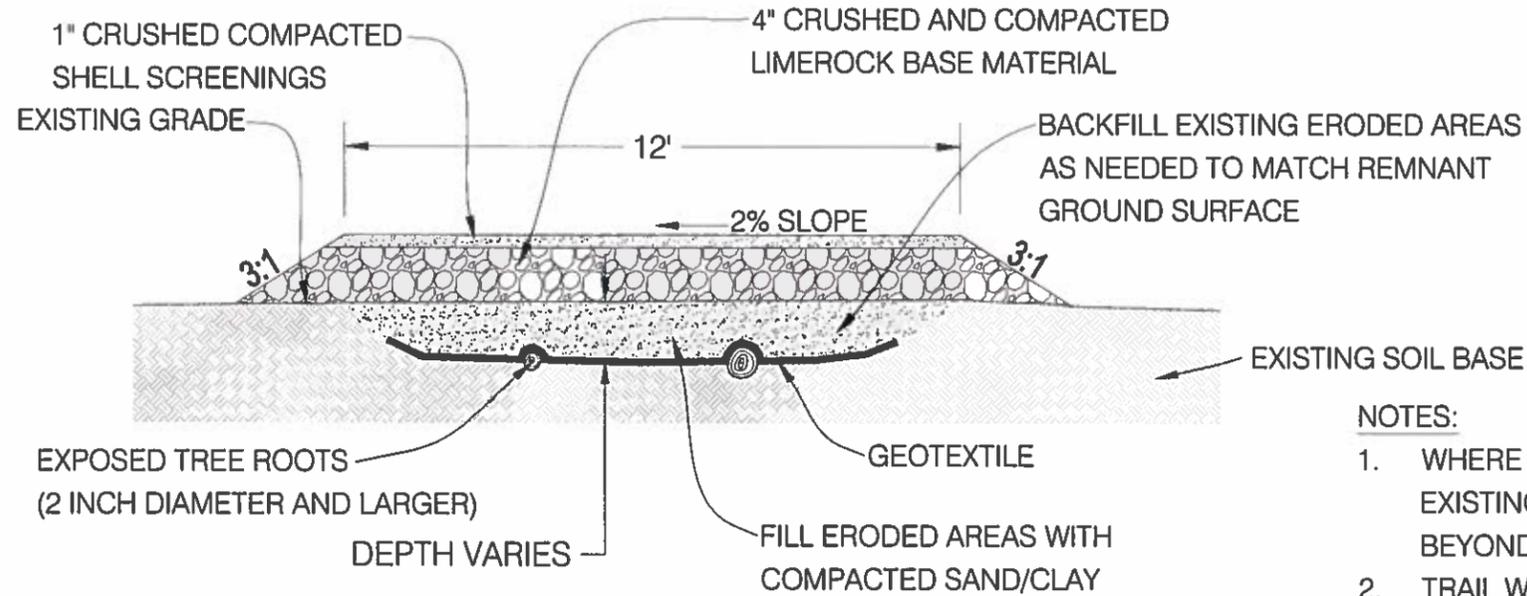


PREPARED BY:

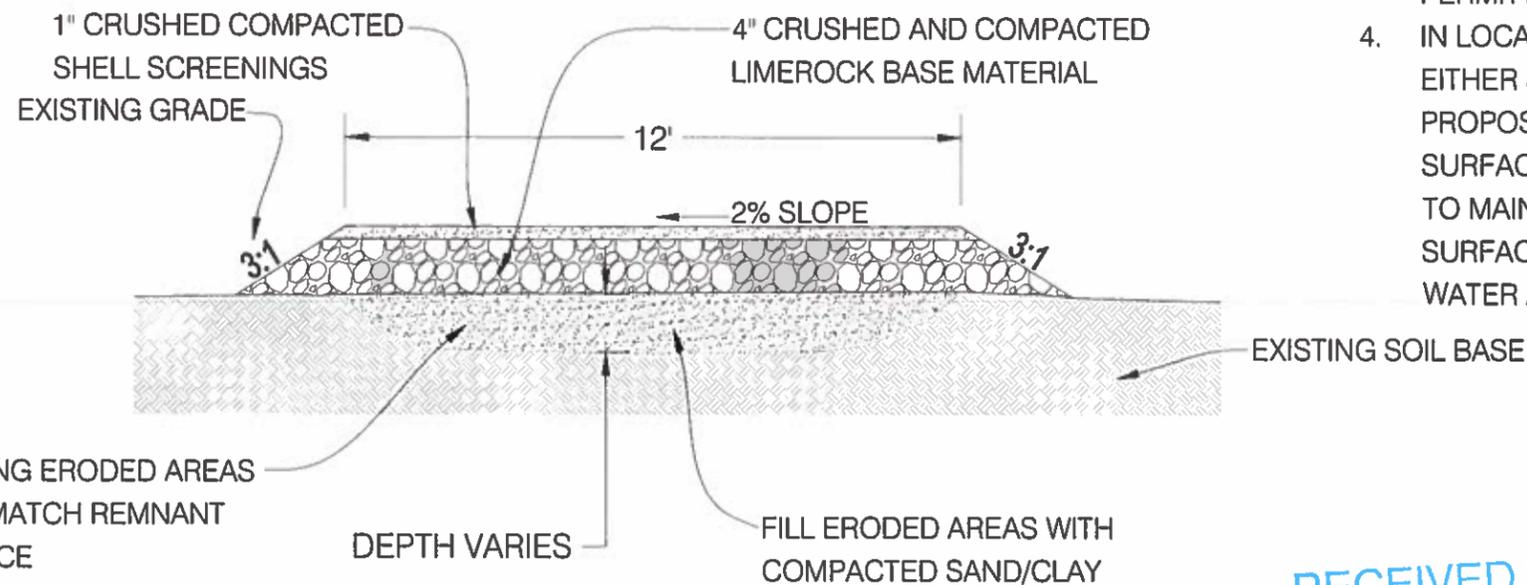
amec foster wheeler
 Environment & Infrastructure, Inc.
 Tallahassee, Florida 850-656-1293
 Certificate Of Authorization #5392



TYPICAL TRAIL CROSS SECTIONS (FORESTED)



CROSS SECTION EXAMPLE WITH EXPOSED TREE ROOTS



CROSS SECTION EXAMPLE WITHOUT EXPOSED TREE ROOTS

NOTES:

1. WHERE FINAL TRAIL ELEVATION IS ABOVE EXISTING GRADE, 3:1 SLOPE IS REQUIRED BEYOND THE 12' TRAIL WIDTH.
2. TRAIL WIDTH LESS THAN 12' IS ALLOWABLE, WITH APPROVAL, WHERE PHYSICAL CONSTRAINTS PROHIBIT, SO THAT NO TREE REMOVAL IS REQUIRED.
3. EXCAVATION OF EXISTING GRADE IS NOT PERMITTED.
4. IN LOCATIONS WHERE EXISTING GRADE ON EITHER SIDE OF THE TRAIL IS ABOVE THE PROPOSED TRAIL SURFACE, THE FINISHED TRAIL SURFACE SHALL BE TIED INTO THE UPHILL SIDE TO MAINTAIN WATER FLOW ACROSS THE TRAIL SURFACE AND PREVENT IMPOUNDMENT OF WATER AGAINST THE FINISHED TRAIL SURFACE.

VERIFIED
SEALED
DOCUMENT

RECEIVED

MAY 03 2016

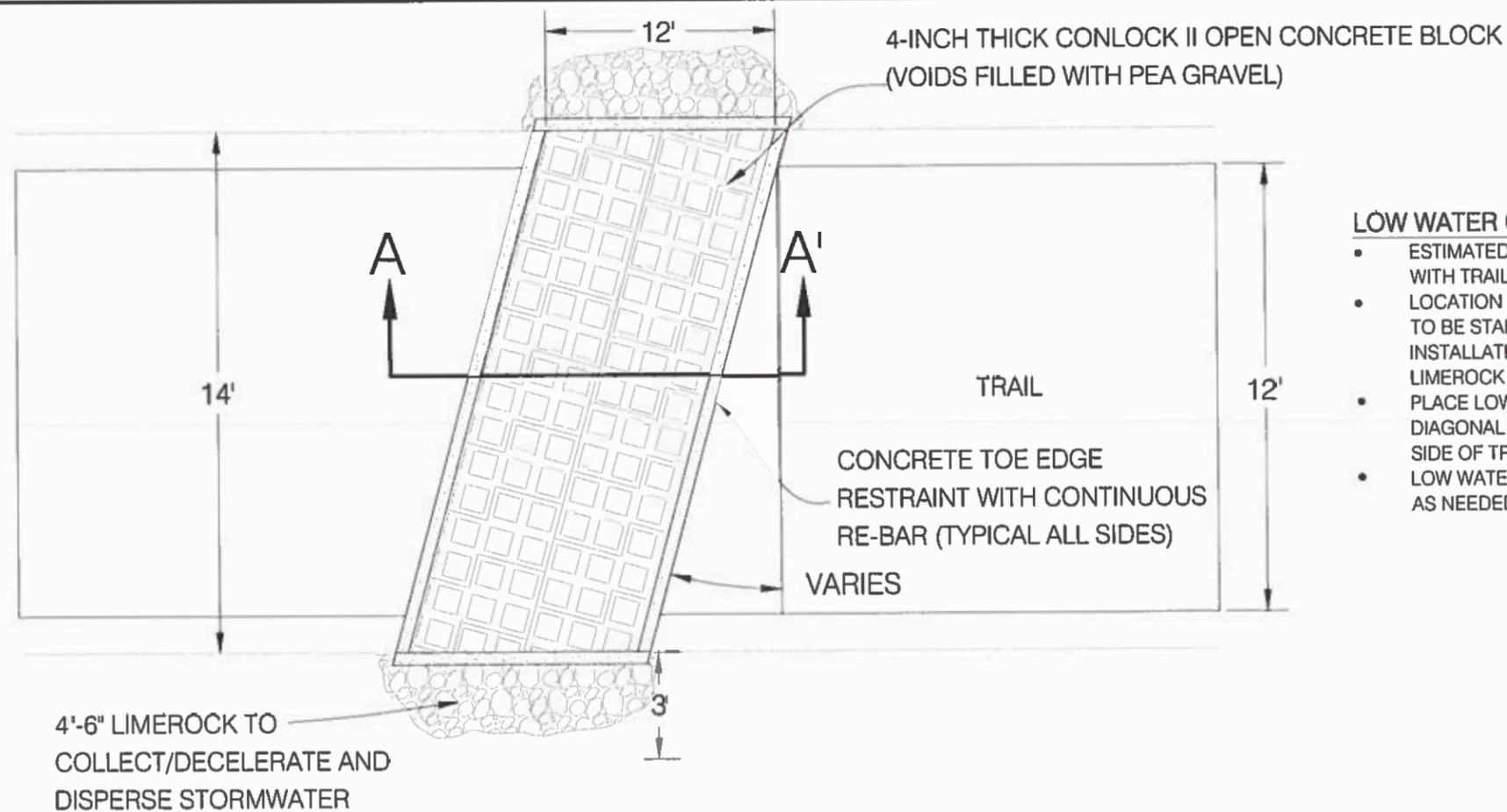
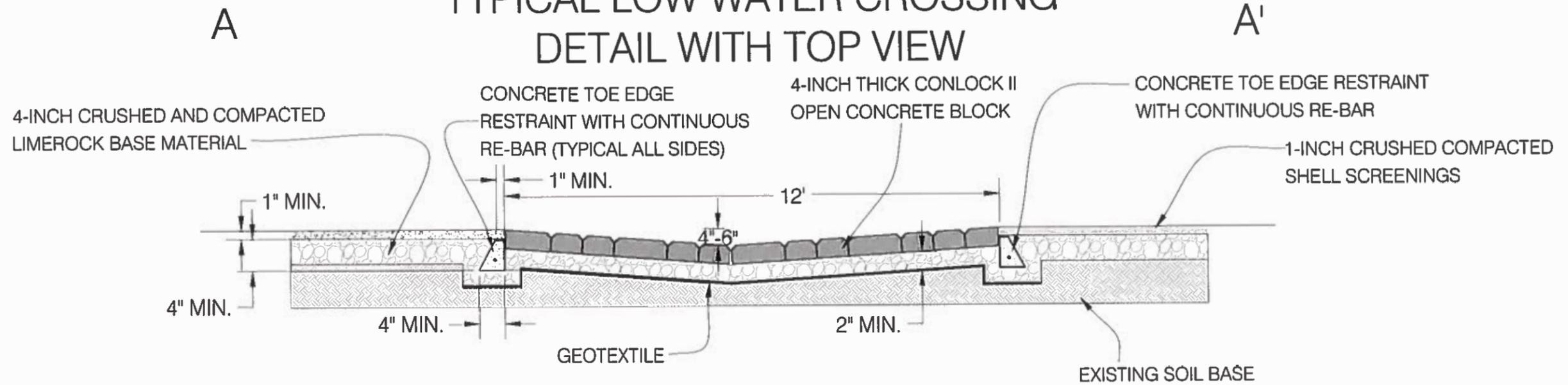
GROWTH MANAGEMENT

PREPARED BY:

amec foster wheeler
Environment & Infrastructure, Inc.
Tallahassee, Florida 850-656-1293
Certificate Of Authorization #5392



TYPICAL LOW WATER CROSSING DETAIL WITH TOP VIEW



LOW WATER CROSSING NOTES

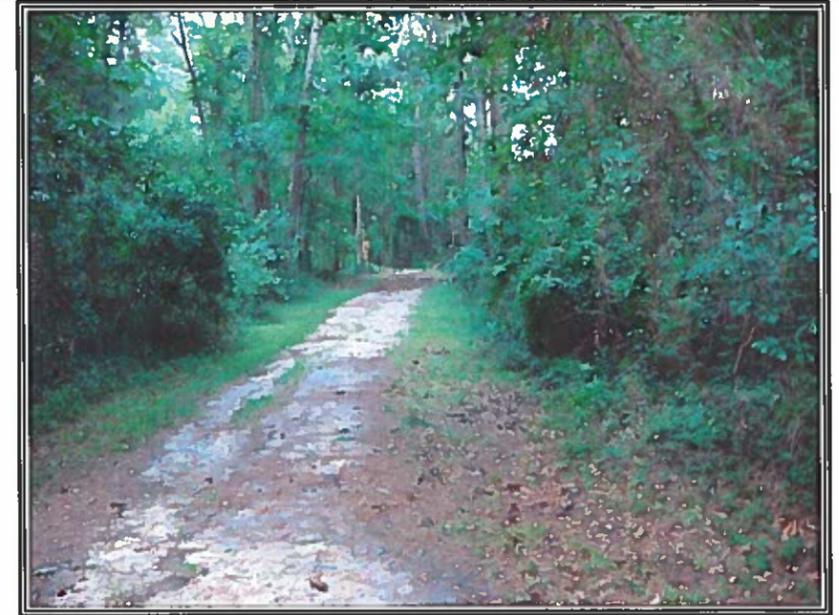
- ESTIMATED 3 LOW WATER CROSSINGS TO BE INSTALLED WITH TRAIL RESURFACING.
- LOCATION AND ORIENTATION OF LOW WATER CROSSINGS TO BE STAKED BY COUNTY STAFF AFTER COMPLETED INSTALLATION OF COMPACTED SAND/CLAY AND LIMEROCK BASE AND SHELL MATERIALS.
- PLACE LOW WATER CROSSINGS ACROSS TRAIL ON A DIAGONAL TO DIRECT WATER OFF TRAIL TO DOWN HILL SIDE OF TRAIL ONTO LIMESTONE ROCK SPILLWAY.
- LOW WATER CROSSINGS TO SLOPE BETWEEN 2% AND 4% AS NEEDED TO THE DOWN GRADIENT SIDE OF THE TRAIL.

PREPARED BY:

amec foster wheeler
Environment & Infrastructure, Inc.
Tallahassee, Florida 850-656-1293
Certificate Of Authorization #5392



TYPICAL TRAIL SEGMENTS



TYPICAL MEADOWS TRAIL
NO EXPOSED TREE ROOTS

TYPICAL FORESTED TRAIL
WITH EXPOSED TREE ROOTS

TYPICAL FORESTED TRAIL
WITHOUT EXPOSED TREE ROOTS

PREPARED BY:

amec foster wheeler
Environment & Infrastructure, Inc.
Tallahassee, Florida 850-656-1293
Certificate Of Authorization #5392



LEON COUNTY DEPARTMENT OF PUBLIC WORKS
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308
PHONE (850) 606-1500 * FAX (850) 606-1501

Designed By	G. Schaefer
Date	4/21/2018
Scale	NTS
Drawn By	GB

NOTES	

PROJECT: **MICCOSUKEE RD. GREENWAY TRAIL - PH III**
(RESURFACING PLANS)

SHEET TITLE: **TRAIL SEGMENT**
DETAILS

ENGINEER OF RECORD
Geoffrey D. Schaefer No. 68914
DATE: **4/21/18**

10
OF
10