Exhibit A
APPROVED
Permit No. TEM130039
As being consistent with Chapter 5
of the City of Tallahassee
Land Development Code
Authorized Signature
for the
Growth Management Director
04/26/13
Approved Date
04/26/16
Original Expiration Date
Extension Expiration Date

See Exhibit B For
Special Conditions

LEON COUNTY
DEPARTMENT OF PUBLIC WORKS

MICCOSUKEE CANOPY ROAD GREENWAY TRAIL PHASE II (RESURFACING PLANS)

RECEIVED
APR 22 2013
GROWTH MANAGEMENT

COMMISSIONERS:

WILLIAM C. PROCTOR, JR.
DISTRICT 1

JANE G. SAULS
DISTRICT 2

JOHN DAILEY
DISTRICT 3

BRYAN DESLOGE
DISTRICT 4

KRISTIN DOZIER
DISTRICT 5

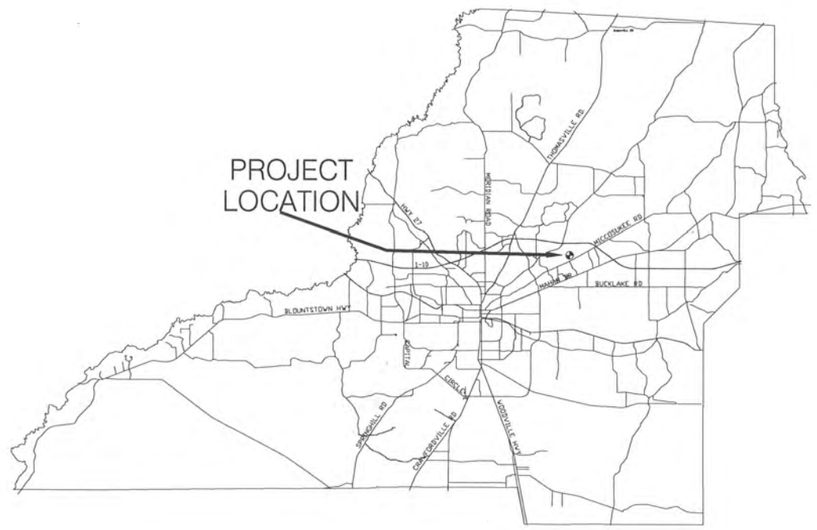
MARY ANN LINDLEY
AT-LARGE

NICK MADDOX
AT-LARGE

VINCENT S. LONG
COUNTY ADMINISTRATOR

HERBERT W. A. THIELE
COUNTY ATTORNEY

TONY PARK, P.E.
PUBLIC WORKS DIRECTOR



SUMMARY OF GENERAL SCOPE OF WORK

TRAIL AND PARKING LOT IMPROVEMENTS

- 12,475 FEET OF 12-FOOT WIDE LIMEROCK AND SHELL SCREENINGS SURFACING
- 5,754 FEET OF 9-FOOT (AVG.) WIDE LIMEROCK AND SHELL SCREENINGS SURFACING
- 33,500 SQUARE FEET OF PARKING LOT GRADING AND RESURFACING WITH LIMEROCK AND SHELL SCREENINGS
- REPLACE 8 OF EXISTING TRAIL CROSSING SIGNS WITH L.E.D. BLINKING SIGNS
- ESTIMATED 15 ROLLING GRADE DIPS ON TRAIL
- ESTIMATED 5 LOW WATER CROSSINGS (PAVERS)

APPROVED

Authorized Signature
4/25/13
Date Approved

INDEX OF PLANS

SHEET	SHEET DESCRIPTION
1	COVER SHEET
2	PLAN VIEW
3-4	GENERAL NOTES
5-16	TYPICAL SECTION AND DETAIL

DIVISION OF ENGINEERING SERVICES

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

PREPARED BY:

amec
Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER, P.E. NO. 64914
DATE 4/8/13

CITY OF TALLAHASSEE

Most Livable City in America

"EXHIBIT B"

SPECIAL CONDITIONS

OF PERMIT NO. TEM130039

Miccosukee Canopy Road Greenway Trail Phase 2

This Permit is subject to conditions as set forth in the Tallahassee Land Development Code (TLDC) and includes the following Special Conditions (refer to the reverse side of the Permit for standard conditions that apply to all permits):

1. Ensure that the limits of floodplain and floodway are marked in the field for the contractor, prior to construction commencement.
2. Contact Growth Management staff after the trail limits have been staked in the field.

CITY HALL
300 South Adams Street
Tallahassee, FL 32301-1731
850-891-0000
TDD: 711 • Talgov.com

JOHN R. MARKS, III
Mayor

ANITA F. THOMPSON
City Manager

ANDREW GILLUM
Commissioner

LEWIS E. SHELLEY
City Attorney

SCOTT MADDOX
Commissioner

JAMES O. COOKE, IV
City Treasurer-Clerk

NANCY MILLER
Commissioner

T. BERT FLETCHER
Interim City Auditor

GIL D. ZIFFER
Commissioner

LEGEND:

- TRAIL (PHASE II - RESURFACING)
- CANOPY PROTECTION ZONE
- TEMPORARY ACCESS POINT
- TEMPORARY STORAGE AREA
- FUTURE TRAIL ACCESS POINTS
- PROPOSED LOW WATER CROSSING

CONSTRUCTION ACCESS AND STORAGE LOCATIONS:

1. TRAIL HEAD (THORNTON ROAD AND MICCOSUKEE ROAD) NORTH OF GATE.
2. SERVICE ENTRANCE (ACROSS THE STREET FROM CLIFF'S TRAIL)
3. MILES JOHNSON ROAD (FIRST GATE ON THE LEFT BY POWER POLE) GATE PROVIDES ACCESS TO MEADOW AREA OF TRAIL.
4. SERVICE GATE TO GREENWAY TRAIL ON NORTHSIDE OF MICCOSUKKEE ROAD ACROSS FROM MILES JOHNSON ROAD.
5. FIRST TRAIL CROSSING OF MICCOSUKEE ROAD - NORTHSIDE
6. FIRST TRAIL CROSSING OF MICCOSUKEE ROAD - SOUTHSIDE
7. SERVICE GATE TO GREENWAY TRAIL ON SOUTHSIDE OF MICCOSUKKEE ROAD ACROSS FROM WELAUNEE PLANTATION ENTRANCE DRIVE.
8. SECOND TRAIL CROSSING OF MICCOSUKEE ROAD - SOUTHSIDE

ROAD CROSSING
8
EASTERN BOARDWALK
WELAUNEE ROAD
7
4,154' HIGH QUALITY SUCCESSIONAL FOREST TRAIL
(Habitat for listed species)
ROAD CROSSING
5
6
4
3
MILES JOHNSON ROAD
Floodway (no work area)
984' FLOOD PLAIN TRAIL (includes unaltered wetlands and water course)
ARVAH BRANCH BLVD.
WESTERN BOARDWALK
800' CANOPY ROAD TRAIL
2
1
MICCOSUKEE ROAD
INTERSTATE 10
CLIFF'S TRAIL
TRAIL HEAD
1
ADJACENT TRAIL SEGMENTS TO ROADSIDE DITCH
THORNTON RD

0 400 800
SCALE: 1 INCH = 800 FEET

N

PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'Bear'
Date:	4/10/2013
Scale:	1"= 800'
Drawn By:	VC

NOTES

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

SHEET TITLE: PLAN VIEW

ENGINEER OF RECORD:
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE: 4/18/13

GENERAL NOTES:

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 OR AMEC PERSONNEL. 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. PROJECT AREA WILL BE CLOSED TO PUBLIC DURING CONSTRUCTION.

14. POST ALL APPLICABLE PERMITS AS REQUIRED.

15. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS, IF ANY.

16. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT AND MAINTAIN CONSTRUCTION ENTRANCES IF THE TRACKING OF MATERIAL OFF SITE OCCURS. THE CONTRACTOR SHALL KEEP MICCOSUKEE ROAD 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 MICCOSUKEE ROAD. 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. IN ADDITION, LIST THE NAME AND PHONE NUMBER OF THE AFOREMENTIONED INSPECTOR (OR THAT ONE 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 30 DAYS MUST BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH.

TREE CANOPY PRESERVATION NOTES

- THE MICCOSUKEE ROAD CANOPY PROTECTION ZONE IS SHOWN ON THE PLANS. THIS IS AN AREA 100 FOOT IN WIDTH AS MEASURED FROM THE CENTERLINE OF MICCOSUKEE ROAD. NO ACTIVITIES WILL BE ALLOWED WITHIN THIS ZONE, EXCEPT AS SHOWN IN THESE PLANS FOR RESURFACING TRAIL.
- NO TREE REMOVAL IS ALLOWED IN THE CANOPY PROTECTION ZONE. THE 8 FOOT TRAIL WIDTH WILL NOT REQUIRE THE REMOVAL OF ANY TREES.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE TO EXPOSED TREE ROOTS AND ANY EQUIPMENT CONTACT WITH TREE TRUNKS.
- IF ROOTS ARE PRESENT; SEE TYPICAL CROSS SECTION FOR EXPOSED ROOTS.
- QUESTIONS RELATED TO OVERALL TREE PROTECTION SHALL BE DIRECTED TO BEAR SCHENK, CERTIFIED ARBORIST, WITH AMEC ENVIRONMENT AND INFRASTRUCTURE, INC. (AMEC): CELL PHONE (850) 459-8055.

SPECIFICATIONS FOR ACCESS ROADS THROUGH CANOPY ROADS PROTECTION ZONE (*100-FOOT FROM CENTERLINE OF MICCOSUKEE ROAD*)

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

PREPARED BY:

amec
Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

GENERAL NOTES:

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.
- 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 AT THE BEGINNING OF THE TRAIL RESURFACING PROJECT. 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

THORNTON ROAD TRAIL HEAD NOTES

- EQUIPMENT AND MATERIAL STORAGE POSSIBLE NORTH OF GATE AT NORTH SIDE OF PARKING LOT. SEE SHEET 2.
- THE SPECIFIED 6-INCH LIMEROCK ROAD BASE AND 1-INCH CRUSHED SHELL SCREENINGS (1/4" MINUS) WILL BE SPREAD IN THE EXISTING PARKING AREA APPROXIMATELY 150 FEET BY 225 FEET . (TOTAL OF 33,500 SQUARE FEET)
- AREA TO BE GRADED TO ELIMINATE HUMPS, HOLES ETC. PRIOR TO NEW SURFACE MATERIAL PLACEMENT AND COMPACTING. SLOPE NOT TO EXCEED 4%. CONTRACTOR IS RESPONSIBLE TO ENSURE PARKING AREAS HAVE PROPER STORMWATER DRAINAGE AT COMPLETION OF PROJECT.
- CONTRACTOR SHALL GRADE COMPACTED SUB-BASE TO 98% OF MODIFIED PROCTOR
- CONTRACTOR SHALL CLEAR NEW PREPPING AREA OF ALL VEGETATION PRIOR TO SUB-BASE COMPACTION AND BASE/CAP PLACEMENT.

TRAIL CROSSING SIGN REPLACEMENT NOTES *(FOR ADDED SAFETY)*

- REPLACE EXISTING SIGNS AND POSTS FOR EIGHT ROAD SIGNS ALERTING DRIVERS TO TRAIL CROSSINGS AT BOTH LOCATIONS ON MICCOSUKEE ROAD (WEST AND EAST TRAIL CROSSINGS)
- 4 - "*TRAIL CROSSING 500' AHEAD*" SIGNS
- 4 - TRAIL USER SYMBOL SIGNS AT CROSSINGS
- REPLACE WITH BLINKING LED PRODUCTS - SOLAR POWERED LED LIGHTED SIGNS BY TAPCO OR APPROVED EQUIVALENT
- INSTALL ALL SIGNS AND SIGN FOOTERS PER MANUFACTURER'S SPECIFICATIONS

COMPACTION NOTES

• A-3 SAND OR SAND/CLAY	95% STANDARD PROCTOR IN ROOT ZONES (98% MODIFIED PROCTOR ELSEWHERE
• CRUSHED LIMEROCK BASE	98% MODIFIED PROCTOR
• CRUSHED SHELL SCREENINGS	98% MODIFIED PROCTOR
• 4 TO 5-INCH DIA. LIMEROCK	N/A
• EXISTING SOIL (TRAIL)	STATIC ROLL AFTER HAND GRADE AND WATER (20 PASSES)
• EXISTING SOIL (PARKING AREA)	98% MODIFIED PROCTOR

- CONTRACTOR SHALL PROVIDE CURRENT (<30 DAYS) PROCTOR TEST RESULTS FOR ALL PROVIDED MATERIALS
- 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 0Z. NON-WOVEN , FDOT D-3 CLASS. CONTRACTOR SHALL PROVIDE GEOTEXTILE 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 THE LED BLINKING TRAIL CROSSING SIGNS IS:
  TAPCO (800) 236-0112
  WWW.TAPCONET.COM
- AN AVAILABLE SUPPLIER OF CONLOCK II 4" THICK OPEN STYLE IS:
  CONLOCK, ATLANTA, GEORGIA (770) 306-9691

ESTIMATED QUANTITIES

TRAIL	TOTALS
• 4-INCH BASE	= 2,980 CUBIC YARDS
• 1-INCH SHELL CAP	= 900 CUBIC YARDS
• A-3 SAND/SAND-CLAY	= 300 CUBIC YARDS
• 4 TO 5-INCH DIA. LIMEROCK	= 166 CUBIC YARDS
• GEOTEXTILE	=1,600 LINEAR FEET

ROLLING GRADE DIPS	
• BASE	= 2 CUBIC YARDS EACH
• 1-INCH SHELL CAP	=INCLUDED IN TRAIL TOTALS

RIP-RAP	
• 1-FOOT BY 2-FOOT BAGS	=300 BAGS

PARKING LOT	
• 6-INCH BASE	=744 CUBIC YARDS
• 1-INCH SHELL CAP	=125 CUBIC YARDS

TEMPORARY FENCING	
• CONSTRUCTION FENCING	AS NEEDED
• SILT FENCING	AS NEEDED

LOW WATER CROSSINGS	
• PAVESTONE CONLOCK II OPEN	=84 SQUARE FEET EACH CROSSING =ESTIMATED 5 =420 SQUARE FEET

PREPARED BY:

amec
Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'Bear'
Date:	4/10/2013
Scale:	NTS
Drawn By:	VC

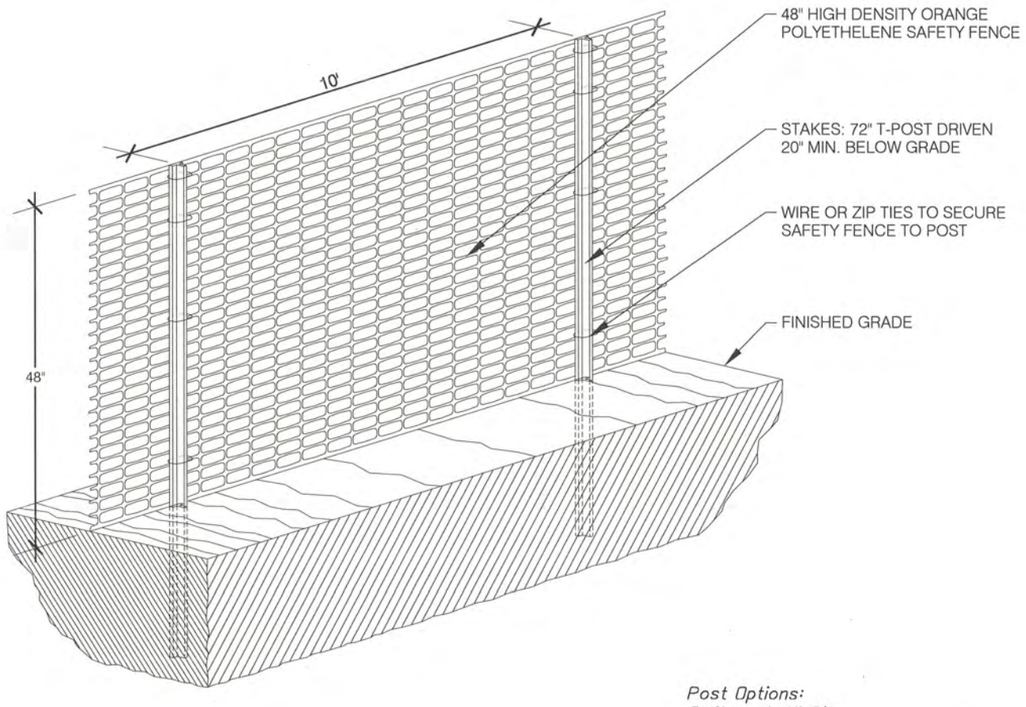
NOTES

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

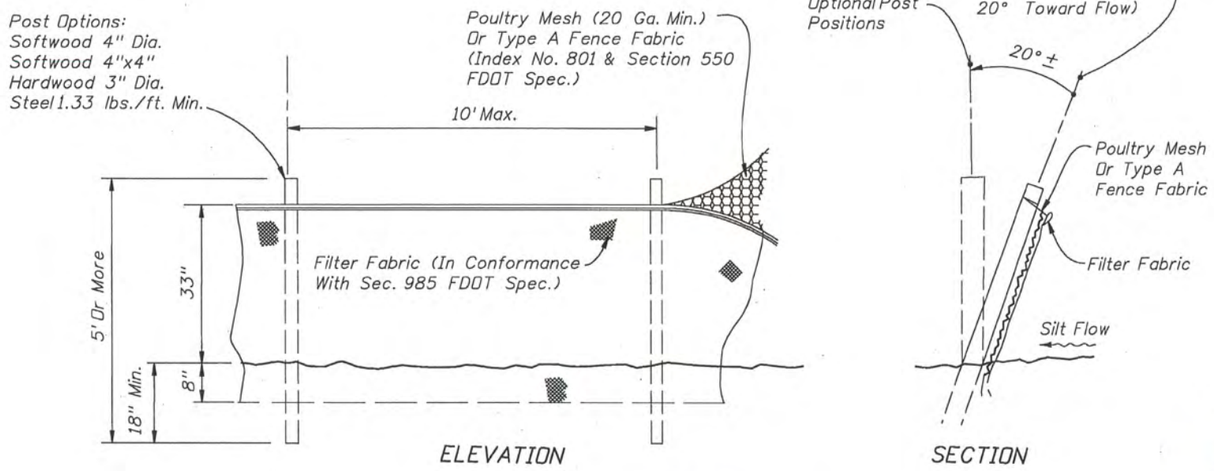
SHEET TITLE: GENERAL NOTES

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE: 4/18/13

TEMPORARY FENCING DETAIL



ORANGE CONSTRUCTION FENCING
(FOR ACCESS POINTS)

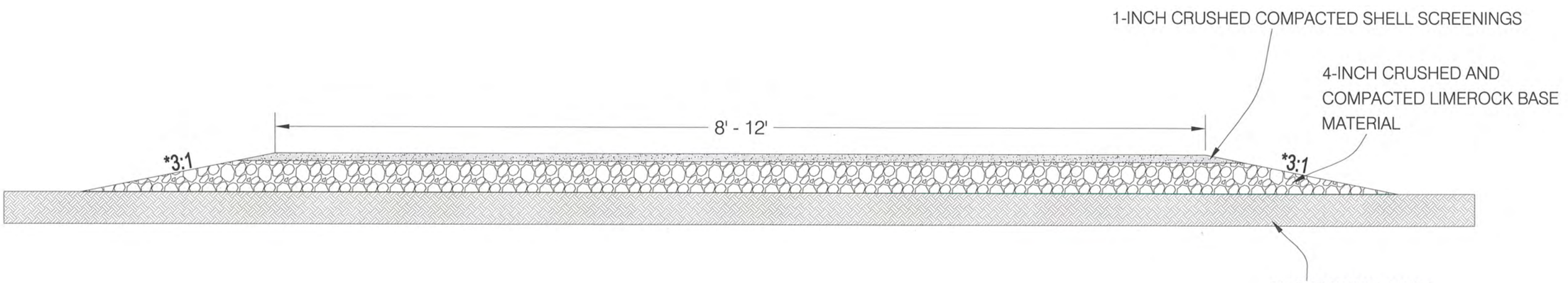


TYPE IV SILT FENCING
(FOR MATERIAL STORAGE PILES)

PREPARED BY:
amec
Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

LEON COUNTY DEPARTMENT OF PUBLIC WORKS 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 606-1500 * FAX (850) 606-1501	Designed By: LS "Bear" Date: 4/15/2013 Scale: NTS Drawn By: VC	NOTES	PROJECT MICCOSUKEE RD. GREENWAY TRAIL - PH II (RESURFACING PLANS)	SHEET TITLE TEMPORARY FENCING DETAIL	ENGINEER OF RECORD GEOFFREY D. SCHAEFER P.E. NO. 64914 DATE 7/8/13	5 OF 16

TYPICAL TRAIL CROSS SECTION
(NO EXPOSED TREE ROOT SECTIONS)



*NOTE:
IN EXISTING TRAIL SWALE-LIKE SECTIONS OF TRAIL, EDGE OF TRAIL SURFACE WILL NOT REQUIRE A 3:1 SLOPE. IT WILL BE FLAT TO EDGE OF SWALE/BANK (MAXIMUM 2-4% CROSS-SLOPE FOR DRAINAGE).

PREPARED BY:

amec
Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'Bear'
Date:	3/5/2013
Scale:	NTS
Drawn By:	VC

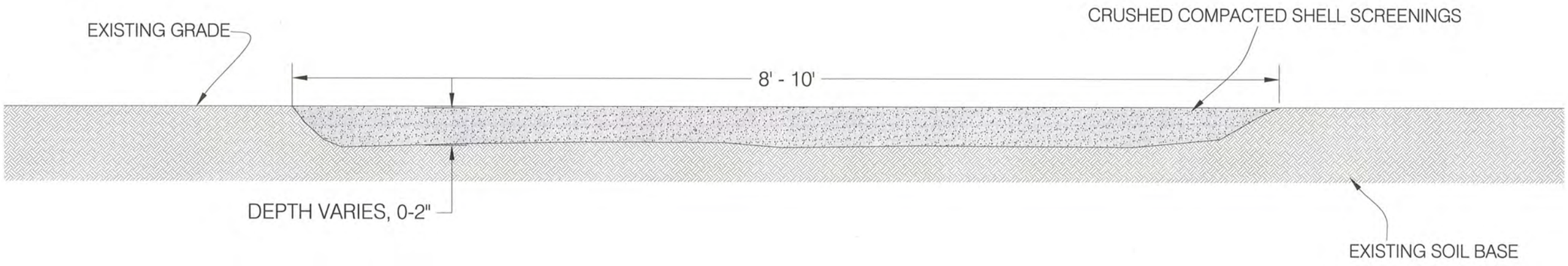
NOTES

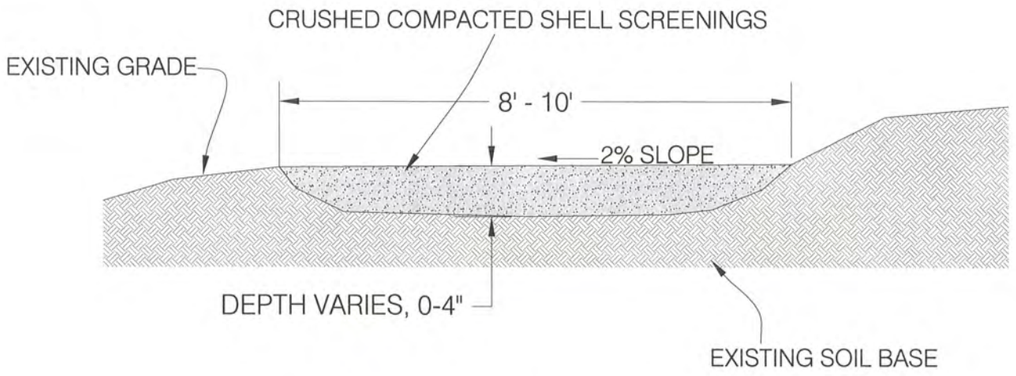
PROJECT MICCOSUKEE RD. GREENWAY TRAIL - PH II
(RESURFACING PLANS)

SHEET TITLE TRAIL CROSS SECTION

ENGINEER OF RECORD
GEOFFREY SCHAEFER P.E. NO. 64914
DATE 4/8/13

TYPICAL TRAIL CROSS SECTION - FLOOD PLAIN LIMITS
(NO EXPOSED TREE ROOT SECTIONS)





CROSS SECTION EXAMPLE
OF EAST OF BOARDWALK IN FLOOD PLAIN

*NOTE:

- IN EXISTING TRAIL SWALE-LIKE SECTIONS OF TRAIL, EDGE OF TRAIL SURFACE WILL NOT REQUIRE A 3:1 EDGE SLOPE. IT WILL BE FLAT TO EDGE OF SWALE/BANK (MAXIMUM 2-4% CROSS-SLOPE FOR DRAINAGE).
- WIDTH OF TRAIL WILL BE 8-10 FEET MAXIMUM AS DETERMINED BY THE WIDTH OF THE EXISTING TRAIL
- DAYLIGHT SIDE OF TRAIL TO MATCH EXISTING GRADES ON BOTH SIDES. TRAIL SHALL NOT EXTEND ABOVE EXISTING GROUND.

PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS "Bear"
Date:	4/1/2013
Scale:	NTS
Drawn By:	VC

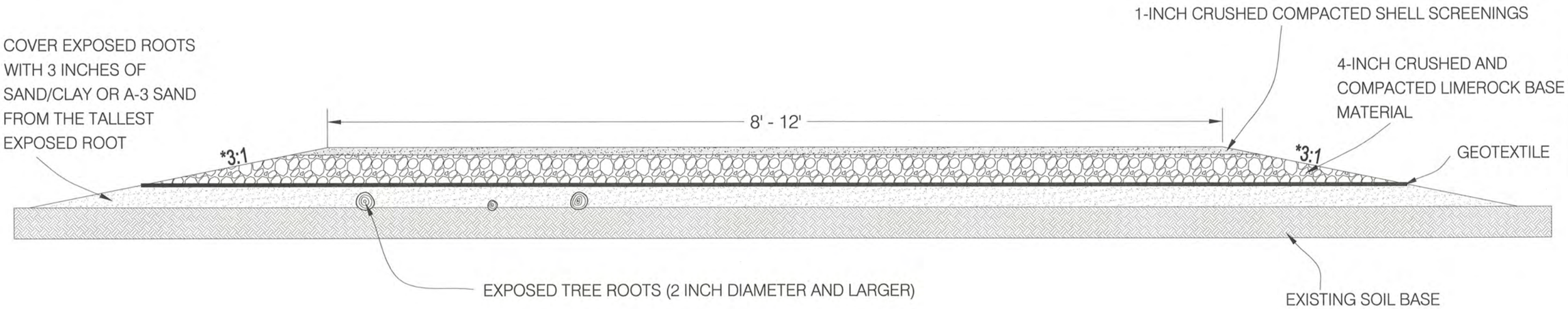
NOTES

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

SHEET TITLE: TRAIL CROSS SECTION

ENGINEER OF RECORD
GEOFFREY SCHAEFER P.E. NO. 64914
DATE: 4/8/13

TYPICAL TRAIL CROSS SECTION
(EXPOSED TREE ROOT SECTIONS)



*NOTE:
IN EXISTING TRAIL SWALE-LIKE SECTIONS OF TRAIL, EDGE OF TRAIL SURFACE WILL NOT REQUIRE A 3:1 SLOPE. IT WILL BE FLAT TO EDGE OF SWALE/BANK (2%- 4% CROSS-SLOPE FOR DRAINAGE).

PREPARED BY:

amec

Environment & Infrastructure, inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'Bear'
Date:	3/5/2013
Scale:	NTS
Drawn By:	VC

NOTES

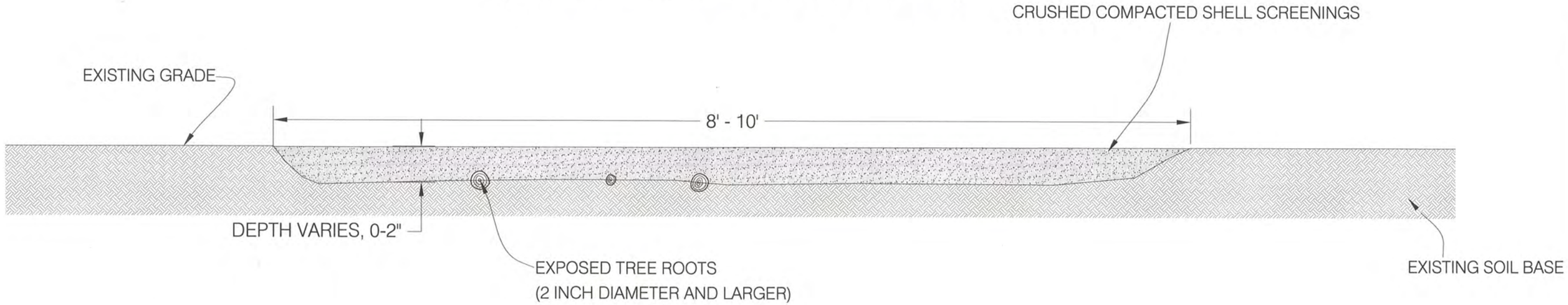
PROJECT: MICCOSUKEE RD. GREENWAY TRAIL - PH II
(RESURFACING PLANS)

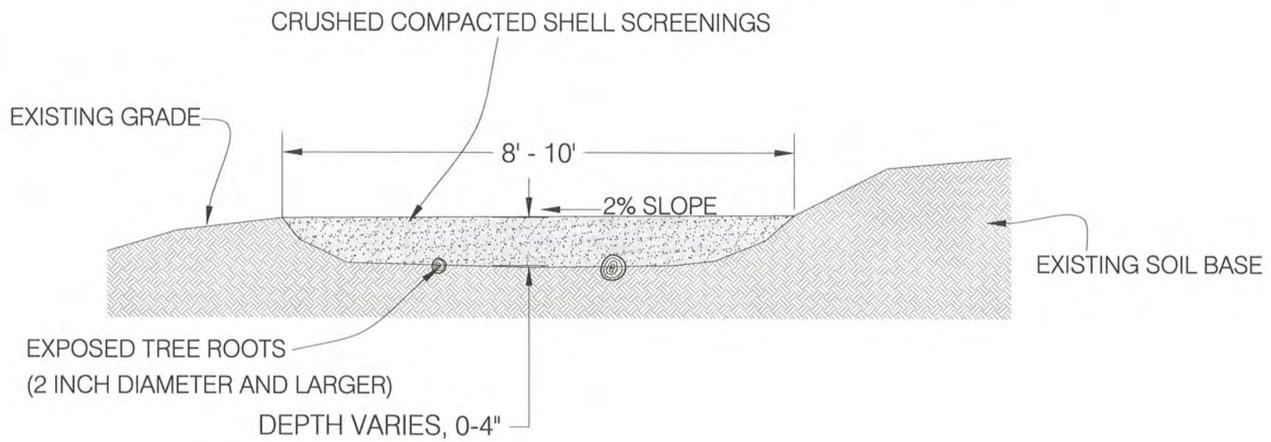
SHEET TITLE: TRAIL CROSS SECTION

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE 4/8/13

8 OF 16

TYPICAL TRAIL CROSS SECTION - FLOOD PLAIN LIMITS
(EXPOSED TREE ROOT SECTIONS)





CROSS SECTION EXAMPLE
OF EAST OF BOARDWALK IN FLOOD PLAIN

*NOTE:

- IN EXISTING TRAIL SWALE-LIKE SECTIONS OF TRAIL, EDGE OF TRAIL SURFACE WILL NOT REQUIRE A 3:1 SLOPE. IT WILL BE FLAT TO EDGE OF SWALE/BANK (MAXIMUM 2% - 4% CROSS-SLOPE FOR DRAINAGE).
- WIDTH OF TRAIL WILL BE 8-10 FEET MAXIMUM AS DETERMINED BY THE WIDTH OF THE EXISTING TRAIL
- DAYLIGHT SIDE OF TRAIL TO MATCH EXISTING GRADES ON BOTH SIDES. TRAIL SHALL NOT EXTEND ABOVE EXISTING GROUND.

PREPARED BY:

amec
Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'Bear'
Date:	4/1/2013
Scale:	NTS
Drawn By:	VC

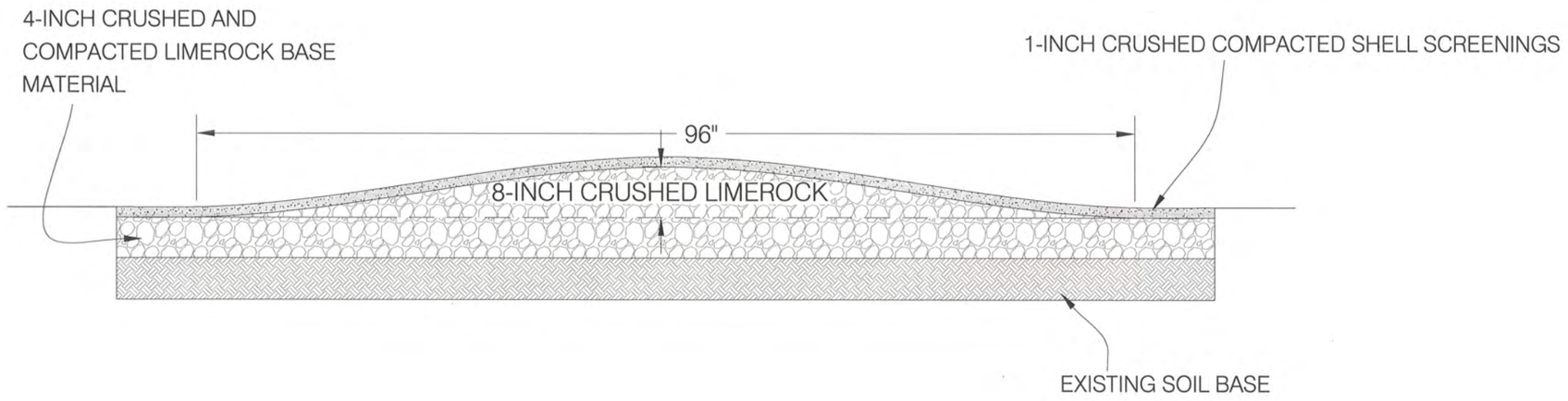
NOTES

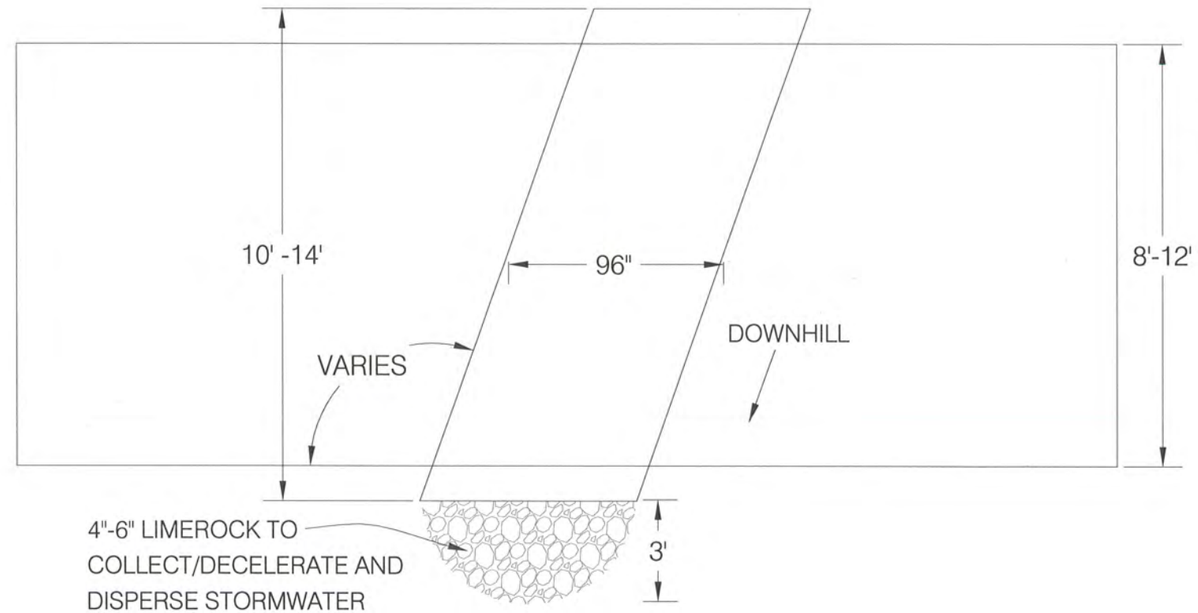
PROJECT: MICCOSUKEE RD. GREENWAY TRAIL - PH II
(RESURFACING PLANS)

SHEET TITLE: TRAIL CROSS SECTION

ENGINEER OF RECORD
GEOFFREY SCHAEFER P.E. NO. 64914
DATE 4/18/13

TYPICAL ROLLING GRADE DIP
SECTION AND TOP VIEW





ROLLING GRADE DIP NOTES

- ESTIMATED 15 DIPS TO BE INSTALLED WITH TRAIL RESURFACING
- LOCATION OF DIPS TO BE STAKED BY COUNTY STAFF PRIOR TO COMPLETION OF ROAD BASE INSTALLATION.
- PLACE DIPS ACROSS TRAIL ON A DIAGONAL TO DIRECT WATER OFF TRAIL TO DOWN HILL SIDE OF TRAIL ONTO LIMESTONE ROCK SPILLWAY.

PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS "Bear"
Date:	4/1/2013
Scale:	NTS
Drawn By:	VC

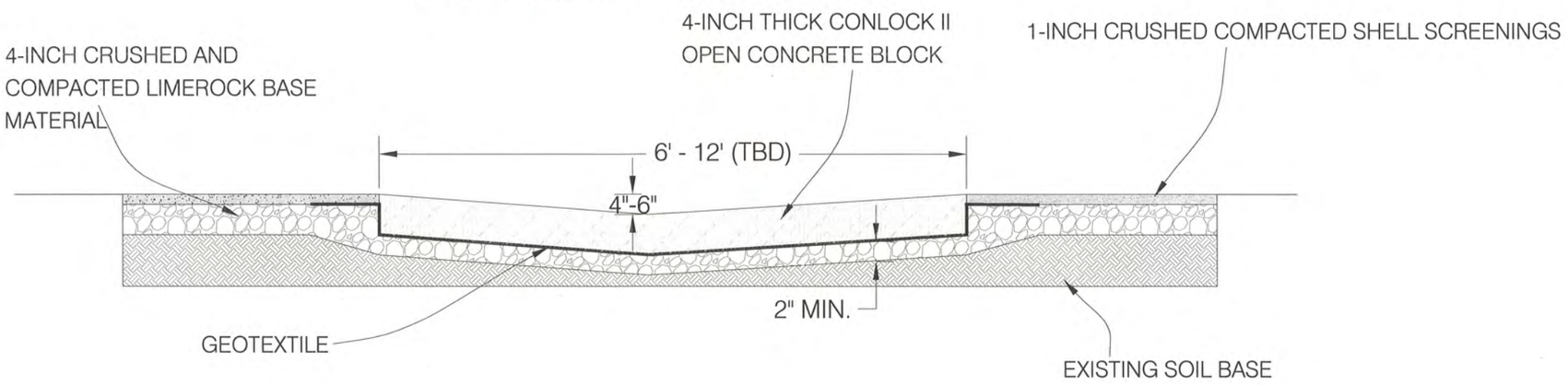
NOTES

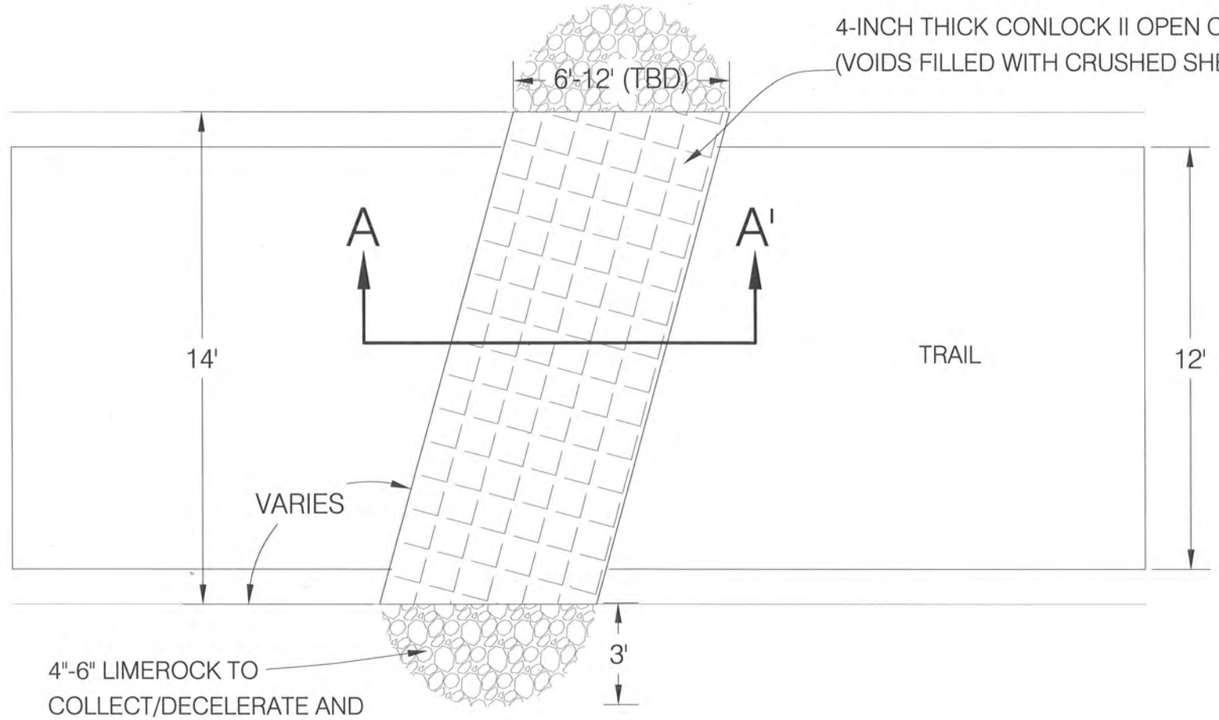
PROJECT: MICCOSUKEE RD. GREENWAY TRAIL - PH II
(RESURFACING PLANS)

SHEET TITLE: ROLLING DIP CROSS SECTION

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE: 4/18/13

TYPICAL LOW WATER CROSSING DETAIL WITH TOP VIEW





LOW WATER CROSSING NOTES

- ESTIMATED 5 LOW WATER CROSSINGS TO BE INSTALLED WITH TRAIL RESURFACING
- LOCATION OF LOW WATER CROSSINGS TO BE STAKED BY COUNTY STAFF PRIOR TO COMPLETION OF ROAD BASE INSTALLATION.
- 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

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'Bear'
Date:	3/5/2013
Scale:	NTS
Drawn By:	VC

NOTES

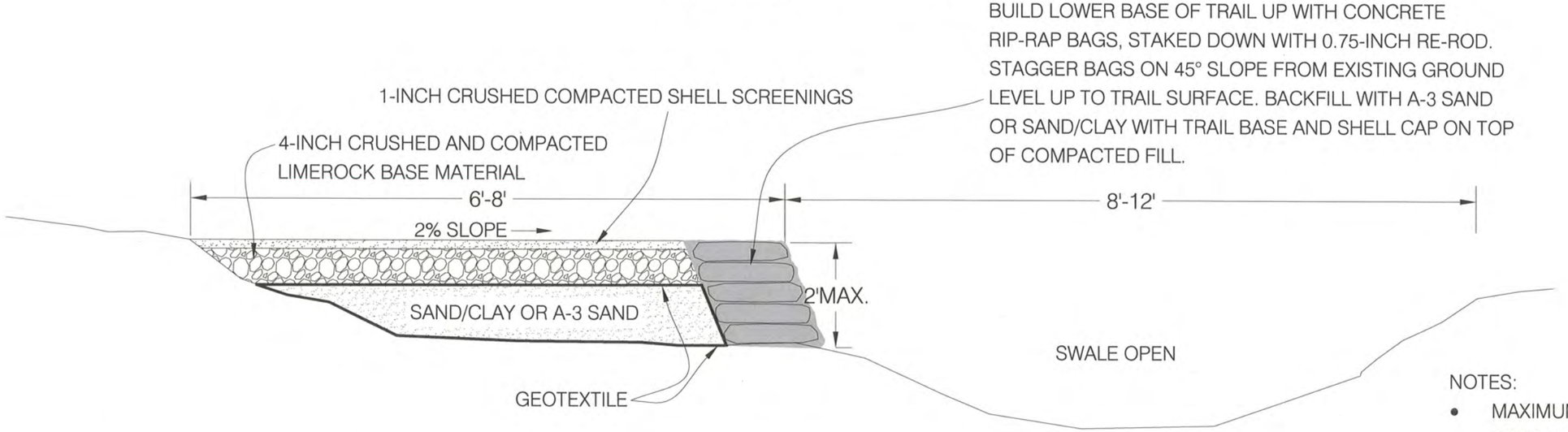
PROJECT: MICCOSUKEE RD. GREENWAY TRAIL - PH II
(RESURFACING PLANS)

SHEET TITLE: LOW WATER CROSSING DETAIL

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE: 4/8/13

TYPICAL TRAIL ABOVE DITCH SECTION

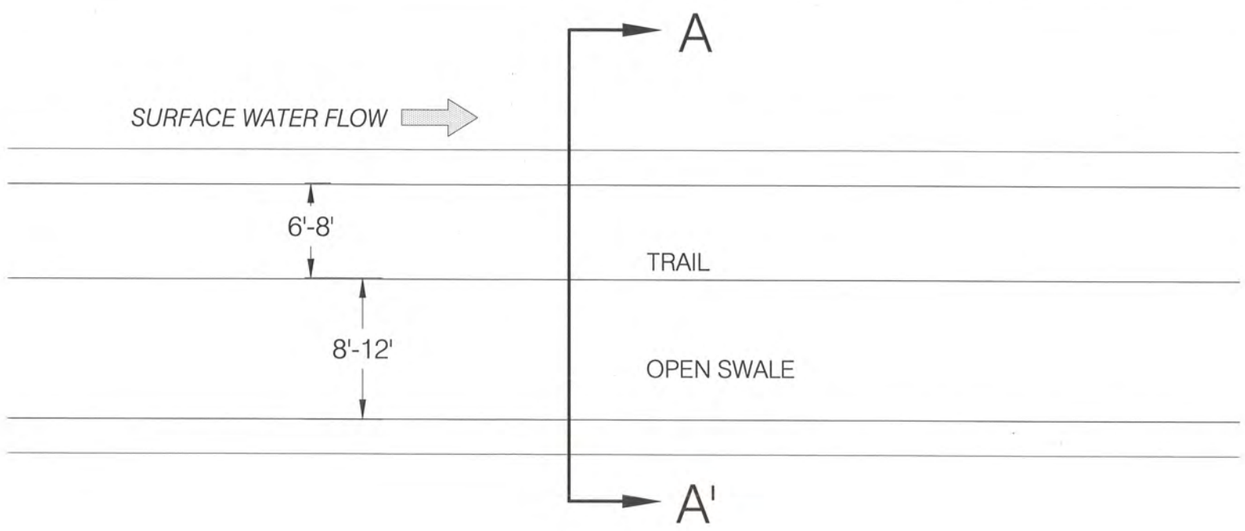
(EAST AND WEST OF I-10 OVER PASS)



NOTES:

- MAXIMUM HEIGHT FOR RIP RAP BAGS IS 2 FEET ABOVE FINISHED GRADE.

* STARTS WHERE ENTRANCE TRAIL DROPS DOWN BANK AND FOLLOWS ABOVE DITCH LINE EASTWARD ALONG MICCOSUKEE ROAD TO EXISTING 18-INCH DRAIN INLET HEADWALL WEST OF I-10 OVERPASS. LOW WATER CROSSING ALLOWS DITCH WATER TO I-10 DRAIN INLET. THEN CONTINUES EAST OF I-10 OVERPASS TO MAINTENANCE ACCESS ROAD. (800 FEET TOTAL IN SWALE EDGE)



PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Design By:	LS 'Bear'
Date:	4/15/2013
Scale:	NTS
Drawn By:	VC

NOTES

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

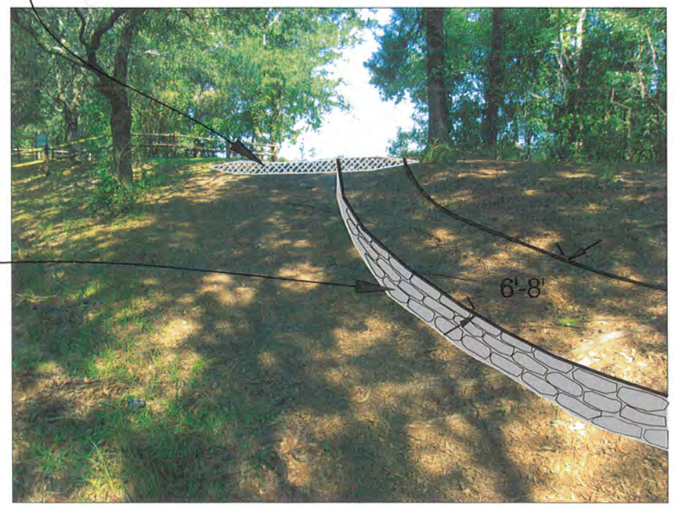
SHEET TITLE: ABOVE DITCH CROSS SECTION

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE 4/18/13

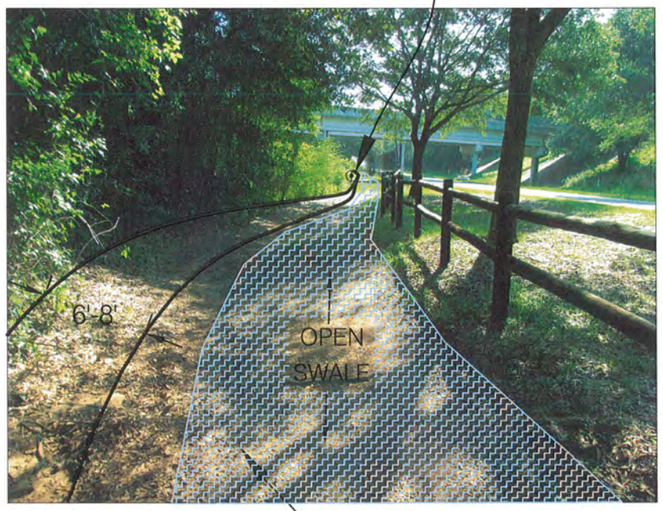
ENTRANCE RAMP TO TRAIL ABOVE DITCH DETAILS

REMOVE TOP OF BANK TO A DEPTH OF 1 TO 2 FEET TO REDUCE SLOPE (USE SOIL AS FILL FOR TRAIL BASE).

BUILD LOWER BASE OF TRAIL UP WITH CONCRETE RIP-RAP BAGS, STAKED DOWN WITH 0.75-INCH RE-ROD. STAGGER BAGS ON 45° SLOPE FROM EXISTING GROUND LEVEL UP TO TRAIL SURFACE (MAXIMUM HEIGHT FOR BAGS IS 2 FEET FROM FINISHED GRADE). BACKFILL WITH A-3 SAND OR SAND/CLAY WITH TRAIL BASE AND CAP ON TOP OF COMPACTED FILL.



EXISTING STORM DRAIN INLET AND HEADWALL



- CLEAN DITCH OF ALL DEBRIS AND LEAF LITTER
- HAND GRADE AND STATIC COMPACT WATERING AS REQUIRED
- PLACE GEOTEXTILE ON TOP AND BOTTOM OF ANY FILL
- PLACE TRAIL BASE AND SHELL ROCK, SCREENINGS ON TOP OF GEOTEXTILE PER SPECIFICATIONS
- COMPACT ALL LAYERS PER SPECIFICATION
- SEE TYPICAL TRAIL ABOVE DITCH SECTION SHEET

PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'BEAR
Date:	4/15/2013
Scale:	NTS
Drawned By:	VC

NOTES

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

SHEET TITLE: ENTRANCE RAMP DETAILS

ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE 4/18/13

13 OF 16

TRAIL FEATURE DETAILS

- REMOVE POLE FENCE FROM NORTH SIDE OF CULVERT
- GRADE TOP EDGE OF BANK DOWN TO FILL-IN AND REDUCE SLOPE OF NEW TRAIL AS IT TRANSITIONS FROM SWALE BOTTOM TO TOP OF BANK TRAIL INTO TREES TO NORTH.

- EXISTING SIGNS (8) TO BE REPLACED WITH LED SIGNS OF SAME DESIGN

- ADD LIMEROCK PIECES (6 TO 10-INCH DIAMETER) TO COMPLETE COVER OF TOP/SIDE/BOTTOM OF CULVERT - BOTH ENDS.

PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'BEAR'
Date:	4/15/2013
Scale:	NTS
Drawned By:	VC

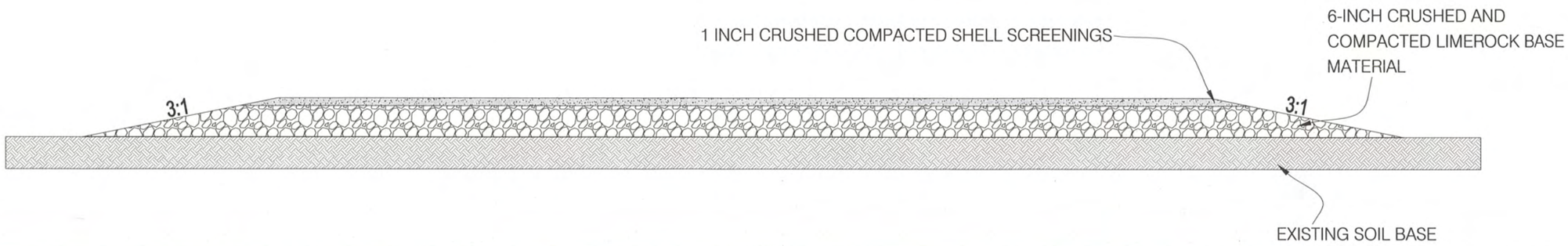
NOTES

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

SHEET TITLE: TRAIL FEATURE DETAILS

ENGINEER OF RECORD: GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE: 4/15/13

TYPICAL PARKING AREA CROSS SECTION



0 40 80
SCALE: 1 INCH = 80 FEET

N

PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

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

Designed By:	LS 'BEAR'
Date:	3/5/2013
Scale:	1"= 80'
Drawn By:	VC

NOTES

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

SHEET TITLE: PARKING AREA CROSS SECTION

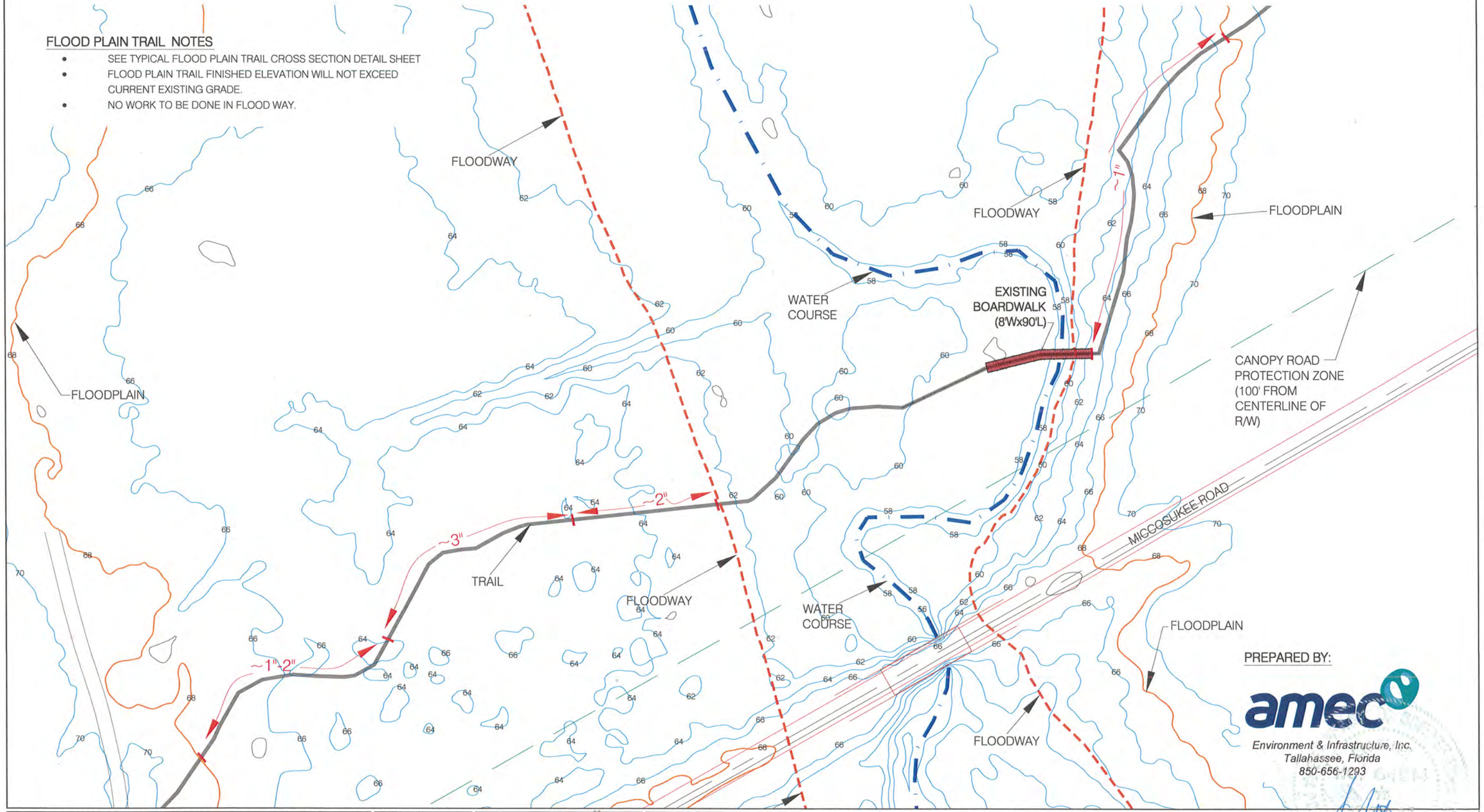
ENGINEER OF RECORD
GEOFFREY D. SCHAEFER P.E. NO. 64914
DATE: 4/18/13

15 OF 16

FLOOD PLAIN TRAIL OVER VIEW MAP
(WITH ESTIMATED AMOUNTS OF TRAIL MIX)

FLOOD PLAIN TRAIL NOTES

- SEE TYPICAL FLOOD PLAIN TRAIL CROSS SECTION DETAIL SHEET
- FLOOD PLAIN TRAIL FINISHED ELEVATION WILL NOT EXCEED CURRENT EXISTING GRADE.
- NO WORK TO BE DONE IN FLOOD WAY.



PREPARED BY:

amec

Environment & Infrastructure, Inc.
Tallahassee, Florida
850-656-1293

LEON COUNTY DEPARTMENT OF PUBLIC WORKS 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 606-1500 * FAX (850) 606-1501	Designed By: LS 'Bear' Date: 3/25/2013 Scale: NTS Drawn By: VC	NOTES	PROJECT MICCOSUKEE RD. GREENWAY TRAIL - PH II (RESURFACING PLANS)	SHEET TITLE FLOOD PLAIN TRAIL OVERVIEW	ENGINEER OF RECORD GEOFFREY D. SCHAEFER P.E. NO. 64914 DATE 4/8/13	16 OF 16