MANATEE COUNTY

August 1, 2011

All Interested Bidders:

SUBJECT: **Invitation for Bid #11-2084-OV**
17th Street West from Amberwynd Circle (West) to Emerson Point Trail
Snead Island, (Manatee County), FL (Project #412569-1-58-01)

ADDENDUM #1

Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1/ Addendum No.1(attached) of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

Bidders Note: Additional questions shall not be accepted at this time as the stated deadline of **July 29, 2011 has lapsed.** This deadline has been established to maintain fair treatment of all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve. Questions received after this date and time shall not be considered.

1. **Attached memorandum dated July 29, 2011** from Mr. Robert L. Bullinger, P.E., Project Engineer, CivilSurv Design Group, Inc. in response to questions received at the Pre-Bid / Information Conference on July 20, 2011 and any questions received through July 29, 2011.
(3 Total Pages)

2. **Attached Revision A - Revised Plans dated July 27, 2011 include:** Summary of Pay Items, Typical Section, Plan & Profile Sheet (STA. 16+00 to STA. 22+00), Plan & Profile Sheet (STA. 28+00 to STA. 34+00), Sheet Pile Wall, Picket Rail Post Detail. (5 Total Pages)

Financial Management Department - Purchasing Division
1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205
Phone: 941-749-3055 - Fax: 941-749-3014
www.mymanatee.org

3. **Geotechnical Subsurface Soil Exploration Report:** (Ardaman & Associates, Inc.) attached. (18 Total Pages)

4. **Bid Form(s) Revision:** - **Attached to this Addendum #1, Pages 00300-1 through 00300-9.** These Bid Forms ("A" and "B") supersede all other Bid Forms for this solicitation. Revisions / deletions / additions include: (9 Total Pages)

Pay Item 120-2-2 – Borrow Excavation (Truck Measure):
Revise Quantity from 1,609 CY to 1,660 CY.

Delete: Pay Item 120-1 Regular Excavation: Quantity: 829 CY.
Replace: with Pay Item 120-4, Subsoil Excavation – Quantity: 880 CY.

Add: Pay Item 400-0-11 Class NS Concrete Gravity Wall – Quantity: 40 CY.

5. **Attached Engineer's Estimate dated July 25, 2011** - Is a result of a public request. (1 Total Page)

It is important to note that Manatee County is currently receiving competitive bids which are up to 50% lower than the Engineer's Estimate.

If you have submitted a bid prior to receiving this addendum, you may request in writing that your original, sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

END OF ADDENDUM #1

Bids will be received at the **Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 until 2:00 P.M. on August 12, 2011.**

Sincerely,

R. C. "Rob" Cuthbert, C.P.M, CPPO
Purchasing Division Manager

Ov/ Attachments (36 Total Pages)

CIVILSURV
A Tradition of Innovative Engineering

July 29, 2011

Olga Valcich, Construction Buyer
Manatee County Government
Purchasing Division
1112 Manatee Avenue West, Suite 803
Bradenton, FL 34205

RE: Addendum 1
Emerson Point Trail – Manatee County, Florida
CSDG Project # 17156.43

Dear Mrs. Valcich:

We are pleased to provide Manatee County with the following responses to the pre-bid questions for Addendum 1.

Questions received from Bidders – Pre-bid meeting 7-20-11

Question 1 Plans call for 2 inches of SP 9.5. Maximum lift thickness for SP 9.5 is 1 ½ inches, which would require two separate lifts. Could SP 12.5 be used instead, as to require only one lift to place?

Response 1 *The SP 9.5 requirement can be replaced with SP 12.5, fine mix.*

Question 2 Plans call for Optional Base Group 4, then go on to specify 6" bank run shell. Are other materials allowed that are specified as Optional Base Group 4?

Response 2 *Other materials within the Optional Base Group will be acceptable.*

Question 3 There is a note on sheet 7 regarding a Type C Inlet, but no pay item exists for this item.

Response 3 *No Type C Inlets are in the project. The note on Sheet 7 has been removed.*

Question 4 More information is needed to construct the sheet pile wall, material type, elevations, and sheet length.

Response 4 *From sheet 16, the sheet pile type is to be PZH-7 with an aluminum cap. Top of sheet pile will be at an elevation of 4.60 with a sheet length of 12 feet.*

Question 5 Gravity wall elevation is needed. Will the wall follow sidewalk grade?

Response 5 *Gravity wall elevation will follow the sidewalk grade.*

Question 6 Will the sheet pile have a concrete or aluminum cap?

Response 6 *Sheet pile will have an aluminum cap.*

Question 7 A detail is needed for the connection between the gravity wall and sheet pile wall.

Response 7 *Detail for connection between gravity wall and sheet pile have been included on sheet 16 of the plans.*

Question 8 Can filter point fabric be installed at a 1:1 slope?

Response 8 *As per the manufacturer, filter form fabric can be installed on a 1:1 slope.*

Question 9 There is no pay item for unsuitable materials. Will contractor be compensated for found material?

Response 9 *Since no material excavated will be suitable for placement on site, Pay Item 120-1 (Regular Excavation) has been changed to Pay Item 120-4 Subsoil Excavation. An additional 51 CY was added to Pay Item 120-4 to account for possible removal of unsuitable material. An additional 51 CY Borrow Excavation (120-2-2) was added to account for subsequent unsuitable material removal.*

Question 10 FDOT specifications require LBR 40, while Manatee County has a LBR 60 requirement. Will Manatee County accept the lower standard?

Response 10 *LBR 40 is acceptable for this project.*

Question 11 Is any Geotechnical information available for this project?

Response 11 *The geotechnical report for this project has been released with this addendum.*

Question 12 How will as-builts be paid for?

Response 12 *As-builts should be included in the cost of mobilization.*

Question 13 Can concrete ribbon for the hand rail be separated into another pay item?

Response 13 *The concrete ribbon is to be paid for under a separate pay item 400-0-11 of 40 CY.*

Please contact us if you have any questions regarding this matter.

Sincerely,

CivilSurv Design Group, Inc.
Engineers-Planners-Surveyors

Robert L. Bullinger, P.E.
Project Engineer

Cc: file

CSDG PROJ. NO.	SHEET NO.
17156.43	2

SUMMARY OF PAY ITEMS

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT	QUANTITY
101- 1-	MOBILIZATION	LS	1.0
102- 1-	MAINTENANCE OF TRAFFIC	LS	1.0
102- 3-	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENANCE	CY	90
104- 10- 3	SEDIMENT BARRIER	LF	2011.0
104- 11-	FLOATING TURBIDITY BARRIER	LF	40
110- 1- 1	CLEARING AND GRUBBING	LS	1
120- 2- 2	BORROW EXCAVATION (TRUCK MEASURE)	CY	1,660
120- 4-	SUBSOIL EXCAVATION	CY	880
160- 4- 12	TYPE B STABILIZATION (12") (LBR 40)	SY	2,153
285-704-	OPTIONAL BASE GROUP 4 (6" BANK RUN SHELL)(LBR 100)(INC. BIT MAT/PRIME)	SY	1,929
334- 1- 12	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)	TN	198
400- 0- 11	CLASS NS CONCRETE (GRAVITY WALL)	CY	40
400- 1- 2	CLASS I CONCRETE (ENDWALLS)	CY	6
400- 1- 11	CLASS I CONCRETE (GRAVITY WALL)	CY	22
425- 2- 41	MANHOLE (P-7) (<10')	EA	3
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	27
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	14
430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" S/CD	LF	15
430-984-141	MITERED END SECTION 48" (ROUND)(SD)	EA	1
515- 2- 301	PEDESTRIAN/BICYCLE RAILING (ALUMINUM, 42" PICKET RAILING)	LF	1,842
522- 1-	CONCRETE SIDEWALK, 4" THICK	SY	14
547-70-1	RIPRAP - FABRIC FORM CONCRETE (8" FILTER POINTS)	SY	2,571
570- 1- 2	PERFORMANCE TURF (SOD)	SY	2,008
700- 20- 11	SINGLE SIGN POST (<12 SF)	AS	3
SPECIAL	ALUMINUM SHEET PILE	LF	145

PAY ITEM FOOTNOTES

102-1 ALL INTENDED TRAFFIC CONTROL ITEMS SUCH AS BARRICADES, ETC., TO BE INCLUDED IN THE LUMP SUM PAY ITEM.

515- 2- 301 INCLUDES THE COST OF CONCRETE RIBBON

570- 1- 2 INCLUDES THE COST OF TOP SOIL, FERTILIZER AND WATER NEEDED TO ESTABLISH A STAND OF GRASS IN COST OF SOD.

SPECIAL - ALUMINUM SHEET PILING - ALUMINUM SHEET PILING MATERIAL SHALL BE TYPE 6061-T6 MARINE GRADE OR EQUIVALENT. SEE SHEET PILE WALL PICKET RAIL POST DETAIL FOR THE MOUNTING OF PEDESTRIAN/ BICYCLE PICKET RAILING (ITEM 515-2-301). DESIGN AND PLANS FOR ALUMINUM SHEET PILING TO BE PREPARED BY MANUFACTURER AND SUBMITTED FOR APPROVAL BY THE CONTRACTOR.

GENERAL NOTES

1. BENCHMARK DATUM IS NGVD 29.
2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
3. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.
4. UNDERGROUND UTILITIES: THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THIS DATA IS ESSENTAILLY CORRECT. HOWEVER, THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY WHEN THE POTENTIAL EXISTS FOR INVOLVEMENT AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILTIES WHICH MAYBE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
6. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHOULD NOTIFY THE DISTRICT (COUNTY) LOCATION SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
7. CONTRACTOR TO ESTABLISH MAINTENANCE OF TRAFFIC PLAN FOR AREA OF WORK AS SHOWN IN FDOT INDEX 603, 660.
8. PRIOR TO COMMENCING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE A TEMPORARY CONSTRUCTION DEWATERING PLAN AND STAGING/STOCKPILING PLAN FOR SWFWMD REVIEW/APPROVAL. THE CONSTRUCTION DEWATERING PLAN AND DETAILS SHALL ADDRESS DEWATERING FOR CONSTRUCTION OF THE PROPOSED RETAINING WALLS, DRAINAGE STRUCTURES, RE-GRADING OF EXISTING DITCHES AND OTHER ACTIVITIES REQUIRING DEWATERING. PLEASE NOTE THAT WELL-POINTS ARE THE PREFERRED METHOD OF DEWATERING. THE PLAN SHALL DEMONSTRATE HOW DEWATERING DISCHARGES WILL NOT BE TURBID. THE STAGING/STOCKPILING PLAN SHOULD DEMARCATE THE PROPOSED CONSTRUCTION STAGING/STOCKPILING LOCATION(S) FOR THE PROJECT; AND DEMONSTRATE THAT THE STAGING/STOCKPILING WILL NOT INTERFERE WITH NATURAL DRAINAGE PATTERNS OR FLOWS, OR CAUSE ANY ADVERSELY ENVIRONMENTAL IMPACTS.

REVISIONS

Date	By	Description	Date	By	Description	Date	By	Description
7/27/11	EW	REVISION A						

MANATEE COUNTY PUBLIC WORKS

CSDG Field Book No.:

CIVILSURV
A Tradition of Innovative Engineering

CivilSurv Design Group, Inc
2525 Drane Field Rd.
Suite 7
Lakeland, FL 33811
Tel: 863-646-4771
Certificate of Authorization No. 28988

	NAME	DATE
DESIGNED BY	JEH	2/08
DRAWN BY	EW	2/08
CHECKED BY	JEH	2/08

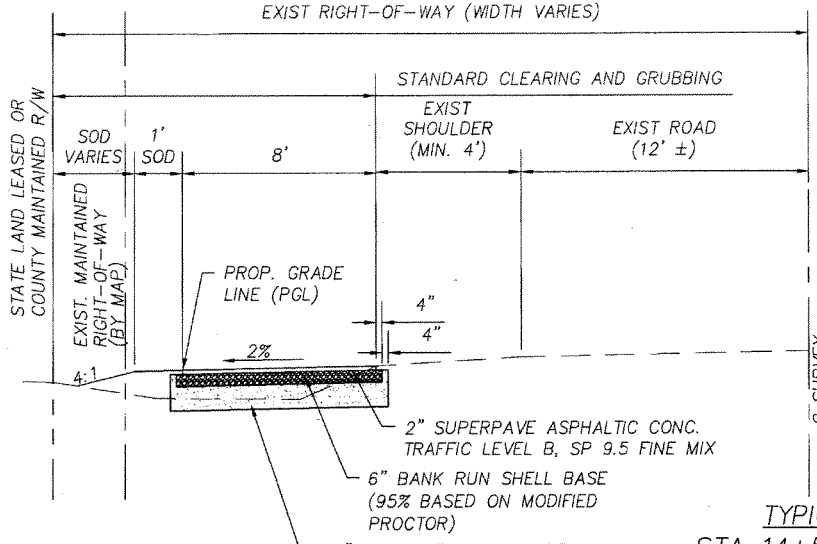
JOHN E. HOWLE, P.E.
FLA. REG. NO. 27584
DATE:

SNEAD ISLAND AND EMERSON POINT TRAIL

SUMMARY OF PAY ITEMS

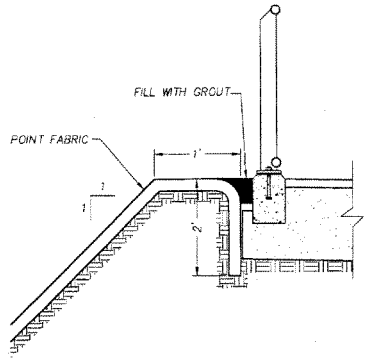
MANATEE COUNTY, FLORIDA

CSDG PROJ. NO.	SHEET NO.
17156.43	3



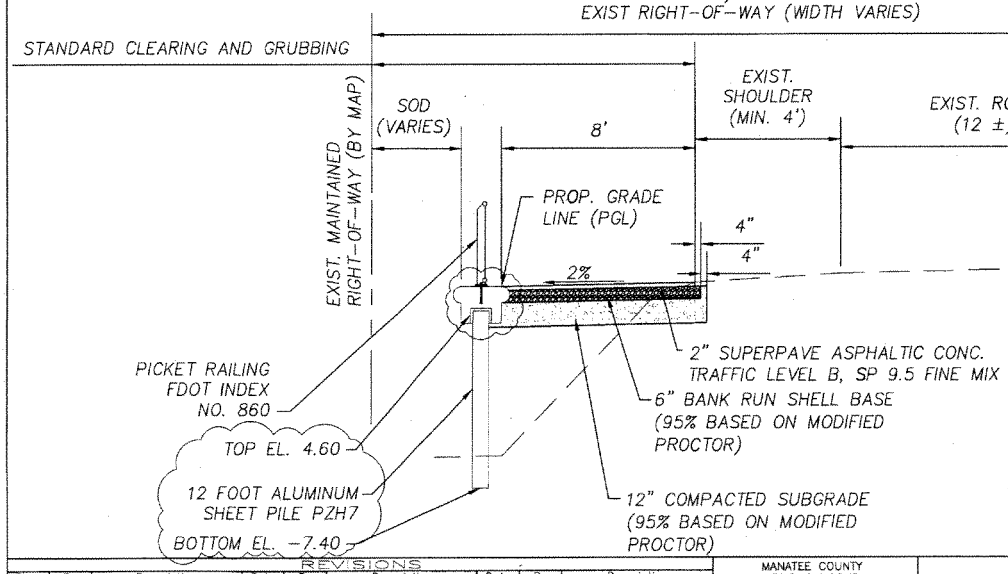
TYPICAL SECTION
STA 14+50 TO STA 15+65
STA 33+86.97 TO STA 34+11.45

SCALE N.T.S



DETAIL FOR INSTALLING FABRIC FORMED CONCRETE

SCALE: N.T.S.



TYPICAL SECTION
STA 17+20 TO STA 18+65

SCALE N.T.S

REVISIONS								
Date	By	Description	Date	By	Description	Date	By	Description
7/27/11	EW	REVISION A						

MANATEE COUNTY PUBLIC WORKS

K&S Field Book No.

CIVILSURV — A Tradition of Innovative Engineering

CivilSurv Design Group, Inc. 2505 Drane Field Rd. Suite 7 Lakeland, FL 33811 Tel: 863-646-4771 Certificate of Authorization No. 28885

	NAME	DATE
DESIGNED BY	RLB	2/08
DRAWN BY	EW	2/08
CHECKED BY	JEH	2/08

JOHN E. MOBLEY, P.E. FLA. REG. NO. 27584

DATE:

SNEAD ISLAND AND EMERSON POINT TRAIL

TYPICAL SECTION

MANATEE COUNTY, FLORIDA

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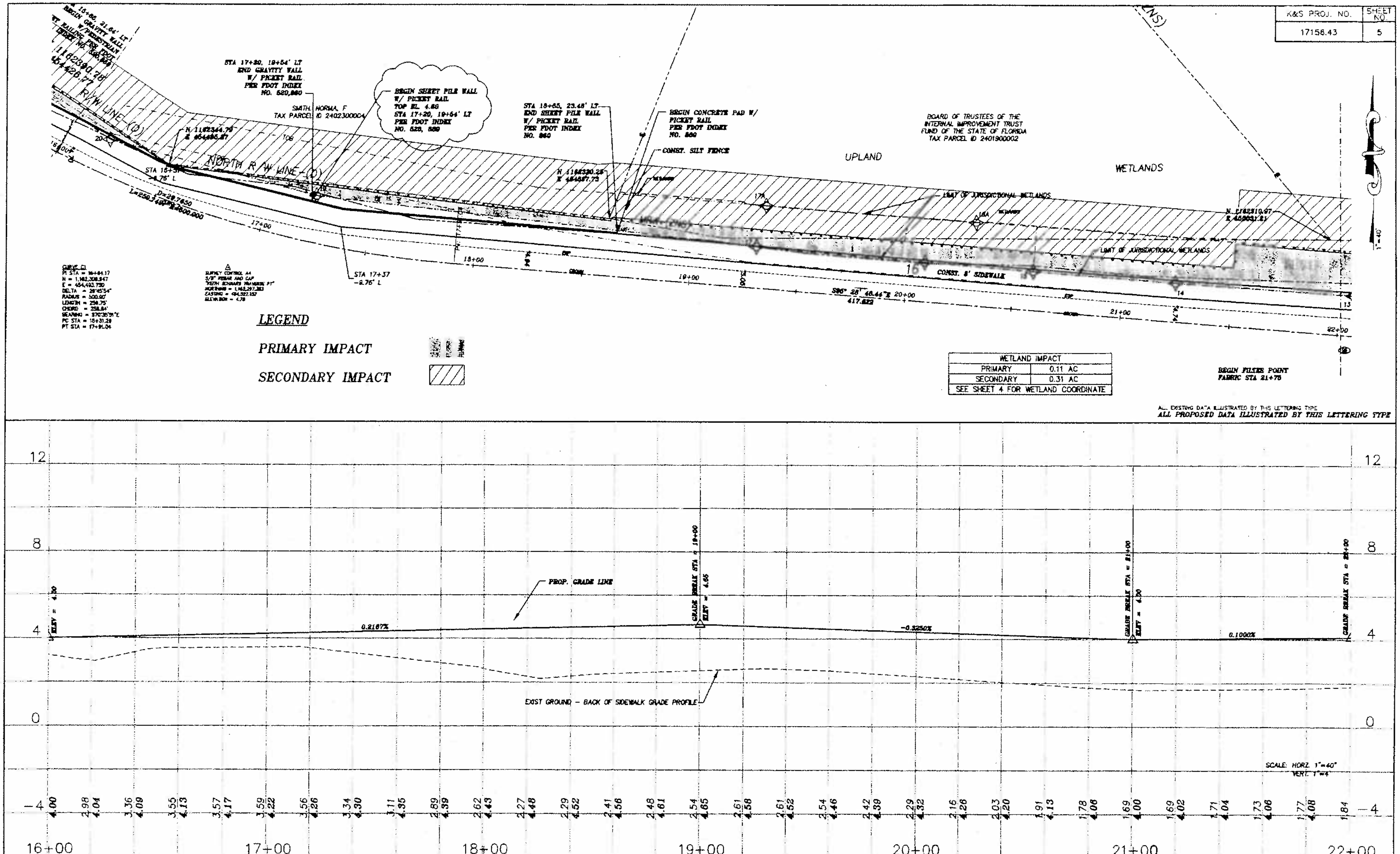

REVISIONS								
Date	By	Description	Date	By	Description	Date	By	Description
7/27/11	CH	REVISION A						

MANATEE COUNTY PUBLIC WORKS

K&S Field Book No.:

CIVILSURV
A Tradition of Innovative Engineering

	NAME	DATE
DESIGNED BY	RLB	2/08
DRAWN BY	EW	2/08
CHECKED BY	JEH	2/08

JOHN E. HOWLE, P.E. FLA. REG. NO. 27584

SNEAD ISLAND AND EMERSON POINT TRAIL

PLAN & PROFILE SHEET
STA. 16+00 TO STA. 22+00
MANATEE COUNTY, FLORIDA

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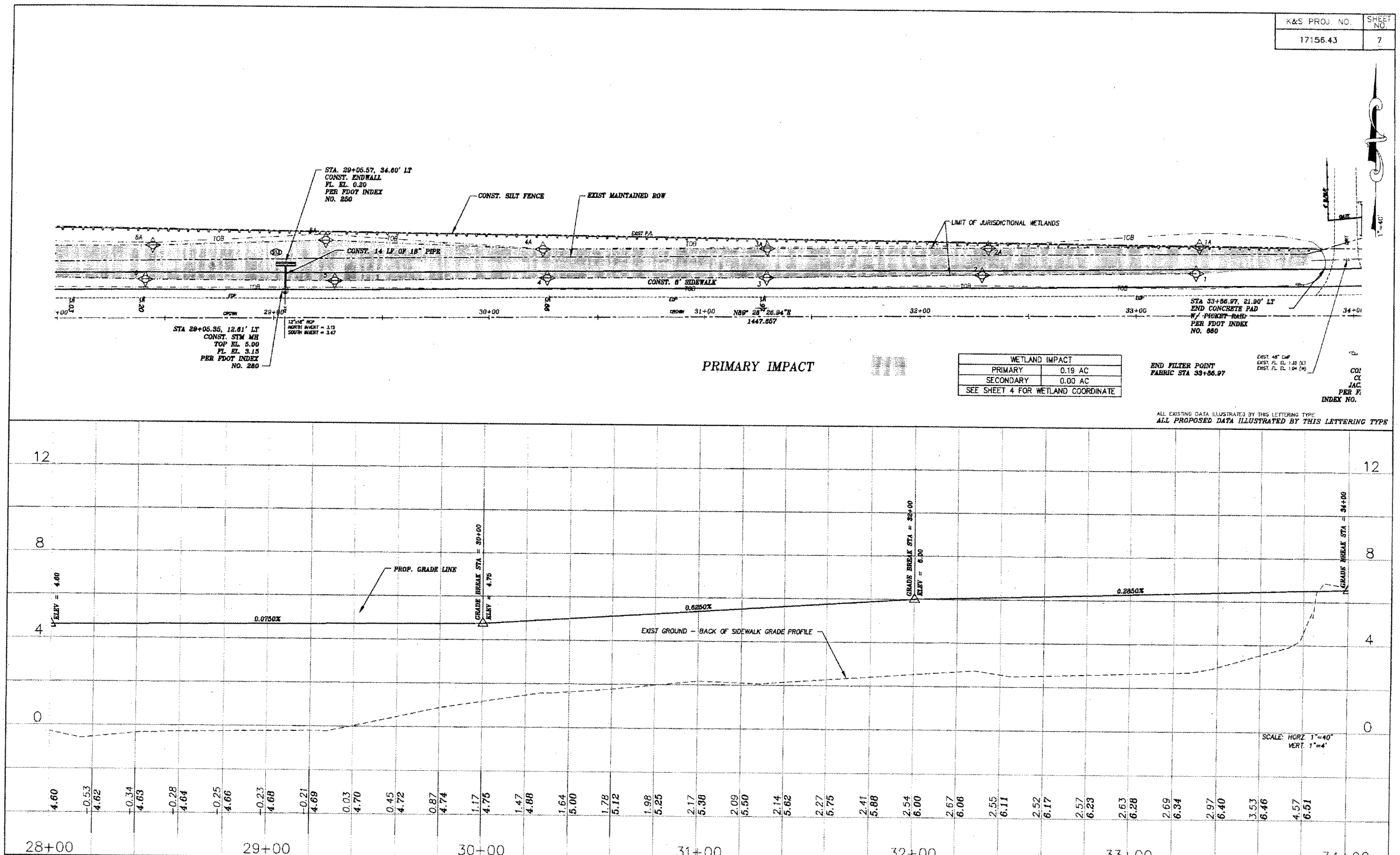


WETLAND IMPACT	
PRIMARY	0.19 AC
SECONDARY	0.00 AC
SEE SHEET 4 FOR WETLAND COORDINATE	

REVISIONS

Date	By	Description	Date	By	Description	Date	By	Description
7/27/11	EW	REVISION A						

MANATEE COUNTY PUBLIC WORKS

K&S Field Book No.:

CIVILSURV — A Tradition of Innovative Engineering
CivilSurv Design Group, Inc. 2525 Drane Field Rd. Suite 7 Lakeland, FL 33811 Tel: 863-646-4771
Certificate of Authorization No. 28988

	NAME	DATE
DESIGNED BY	RLB	2/08
DRAWN BY	EW	2/08
CHECKED BY	JEH	2/08

JOHN E. HOWLE, P.E.
FLA. REG. NO. 27584
DATE:

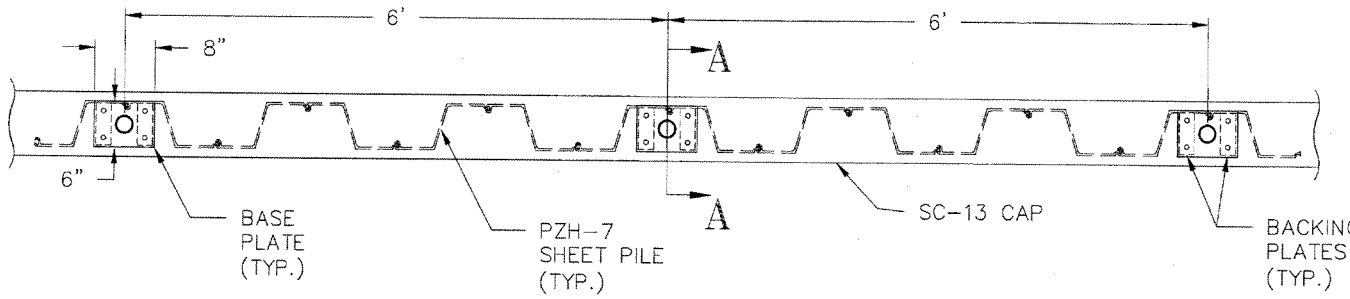
SNEAD ISLAND AND EMERSON POINT TRAIL

PLAN & PROFILE SHEET

STA. 28+00 TO STA. 34+00

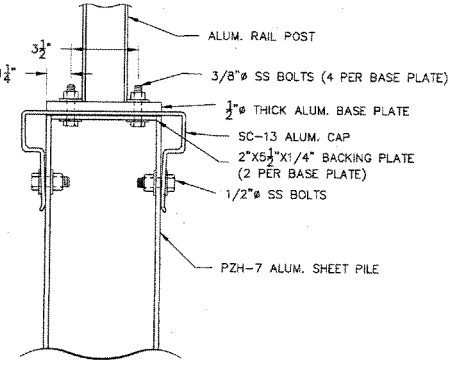
MANATEE COUNTY, FLORIDA

CSDC PROJ. NO.	SHEET NO.
17156.43	16



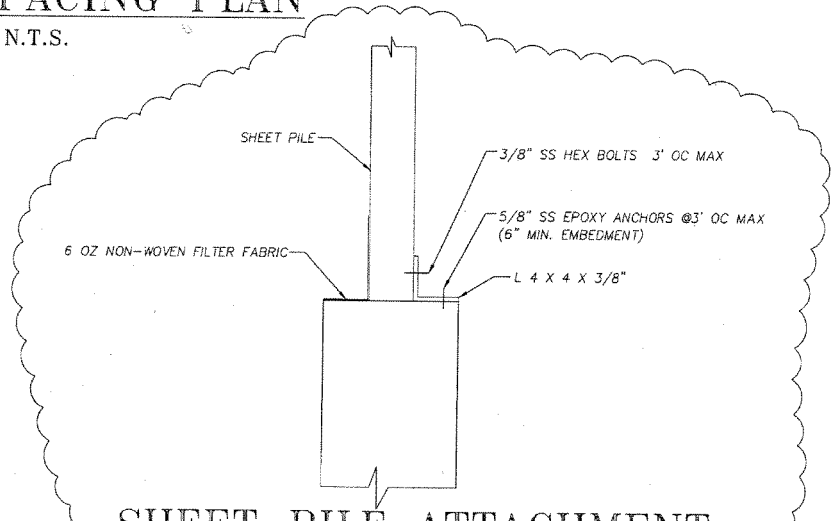
TYPICAL POST SPACING PLAN

SCALE: N.T.S.



SECTION A-A

SCALE: N.T.S.



SHEET PILE ATTACHMENT DETAIL

SCALE: N.T.S.

REVISIONS

Date	By	Description	Date	By	Description	Date	By	Description
7/27/11	EW	REVISION A						

MANATEE COUNTY PUBLIC WORKS

K&S Field Book No.:

CIVILSURV
A Tradition of Innovative Engineering

CivilSurv Design Group, Inc. 2525 Drane Field Rd. Suite 7 Lakeland, FL 33811 Tel: 863-644-4771 Certificate of Authorization No. 28668

	NAME	DATE
DESIGNED BY	JEH	1/10
DRAWN BY	EW	1/10
CHECKED BY	JEH	1/10

JOHN E. HONLE, P.E. FLA. REG. NO. 27584

DATE:

SNEAD ISLAND AND EMERSON POINT TRAIL

SHEET PILE WALL

PICKET RAIL POST DETAIL

MANATEE COUNTY, FLORIDA

SUBSURFACE SOIL EXPLORATION, ANALYSIS AND RECOMMENDATIONS FOR PROPOSED BOARDWALK @ EMERSON POINT TRAIL PRESERVE, AMBERWYND CIRCLE WEST TO EMERSON POINT PARK ENTRANCE, PALMETTO, MANATEE COUNTY, FLORIDA

Ardaman & Associates, Inc.

OFFICES

Orlando, 8008 S. Orange Avenue, Orlando, Florida 32809, Phone (407) 855-3860
Bartow, 1525 Centennial Drive, Bartow, Florida 33830, Phone (863) 533-0858
Cocoa, 1300 N. Cocoa Boulevard, Cocoa, Florida 32922, Phone (321) 632-2503
Fort Lauderdale, 3665 Park Central Boulevard North, Pompano Beach, Florida 33064, Phone (954) 969-8788
Fort Myers, 9970 Bavaria Road, Fort Myers, Florida 33913, Phone (239) 768-6600
Miami, 2608 W. 84th Street, Hialeah, Florida 33016, Phone (305) 825-2683
Port Charlotte, 740 Tamiami Trail, Unit 3, Port Charlotte, Florida 33954, Phone (941) 624-3393
Port St. Lucie, 460 NW Concourse Place Unit #1, Port St. Lucie, Florida 34986-2248, Phone (772) 878-0072
Sarasota, 78 Sarasota Center Blvd., Sarasota, Florida 34240, Phone (941) 922-3526
Tallahassee, 3175 West Tharpe Street, Tallahassee, Florida 32303, Phone (850) 576-6131
Tampa, 3925 Coconut Palm Drive, Suite 115, Tampa, Florida 33619, Phone (813) 620-3389
West Palm Beach, 2511 Westgate Avenue, Suite 10, West Palm Beach, Florida 33409, Phone (561) 687-8200

MEMBERS:
A.S.F.E.
American Concrete Institute
American Society for Testing and Materials
Florida Institute of Consulting Engineers

Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

June 4, 2008
File No. 07-7938

TO: Keith and Schnars, P.A.
2525 Drane Field Road, Suite 7
Lakeland FL 33811

Attention: John Howle

SUBJECT: Subsurface Soil Exploration, Analysis and Recommendations for Proposed Boardwalk @ Emerson Point Trail Preserve, Amberwynd Circle West to Emerson Point Park Entrance, Palmetto, Manatee County, Florida

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Dear John:

As requested, our firm has completed a subsurface soil exploration program at the above-referenced site. The purpose of this program was to determine the nature and condition of the subsurface soils at the site and to make recommendations regarding a pile foundation system for the support of the proposed boardwalk.

This report documents our findings and conclusions. It has been prepared for the exclusive use of Keith and Schnars and their client and consultants for specific application to the subject project, in accordance with generally-accepted geotechnical engineering practices. No other warranty, expressed or implied, is made.

SCOPE

The scope of our services has included the following items:

1. Conducting twenty (20) Standard Penetration Test borings within the proposed building areas to determine the nature and condition of the subsurface soils.

2. Reviewing each soil sample obtained in our field testing program by a geotechnical engineer in the laboratory for further investigation and classification.

3. Analyzing the existing soil conditions with respect to the proposed construction.

4. Preparing this report to document the results of our field testing program, engineering analysis and recommendations.

FIELD EXPLORATION PROGRAM

Our field exploration program consisted of conducting twenty (20) test borings at the locations shown on the attached Figures 1 through 3. These borings were performed to determine the nature and condition of the subsurface soils to a maximum depth of 20 feet below the existing ground surface. Test boring depths, location and number were determined by Ardaman & Associates, Inc. Test borings were located in the field utilizing available landmarks and a 100 foot tape. Test boring locations should only be considered accurate to the degree implied by the method used. Should more accurate locations be required, a registered land surveyor should be retained. The equipment and procedures used in the borings are described in greater detail in the appendix of this report.

It should be noted that all boring locations were hand augered for the upper 5 feet due to the potential for buried utilities in the area.

GENERAL SUBSURFACE CONDITIONS

The general subsurface conditions encountered during the field exploration program are shown on the soil boring logs, included as Figures B-1 through B-5 of this report. Soil stratification is based

on examination of recovered soil samples and interpretation of field boring logs. The stratification lines represent the approximate boundaries between the soil types, while the actual transitions may be gradual.

A generalization of the subsurface soil conditions encountered in the borings is described below:

DEPTH			
FROM		TO	SOIL DESCRIPTION
0'	-	1'	loose fine sand with shell
1'	-	2 to 5'	loose fine sand and fine sand with silt
2 to 5'	-	3 to 6'	soft organic sand and muck
3 to 6'	-	10 to 12'	loose fine sand and fine sand with silt
10 to 12'		15 to 17'	medium dense fine sand
15 to 17'	-	20'	loose to medium dense fine sand

On the date of our field exploration program the water table was encountered approximately 3 to 4 feet below existing grade. The water table level is anticipated to fluctuate due to seasonal rainfall variations and other factors.

LABORATORY TESTING PROGRAM

Representative soil samples obtained during our field sampling operation were packaged and transferred to our office and, thereafter, examined by a geotechnical engineer to obtain more accurate descriptions of the existing soil strata. No additional laboratory testing was deemed necessary to aid in soil classification or to further define the engineering properties of the soils. The soil descriptions shown on the soil boring log are based on a visual classification procedure in

general accordance with the Unified Soil Classification System (ASTM D-2488-84) and standard practice.

ANALYSIS AND RECOMMENDATIONS

It is our understanding the proposed construction is to consist of a 1,900-foot long and 8.5-foot wide boardwalk elevated above wetland area, and that a pile foundation system is to be utilized.

Soils Analysis and Foundation Recommendations

Foundations for the proposed structure may be designed utilizing timber piles. We typically recommend that piles be installed so that pile toe is at an elevation of approximately 10 feet below sea level due to scour potential. Assuming an existing ground elevation in the wetland of +2 feet NGVD, this would require a minimum pile embedment of 12 feet from existing grade. The following design criteria may be utilized:

PILE TYPE & SIZE	ESTIMATED PILE TOE EMBEDMENT (below wetland bottom)	ESTIMATED ALLOWABLE COMPRESSIVE CAPACITY	ESTIMATED ALLOWABLE TENSILE CAPACITY
12" Diameter	12 feet*	10 tons	1 ton
12" x 12"	12 feet*	10 tons	1 ton

*12 feet below wetland bottom would correspond to an elevation of approximately -10 feet NGVD.

Jetting or washing should not be permitted as this may substantially reduce pile capacity. The piles should be driven with a hammer capable of developing at least 10,000 ft-lbs of driving energy. The piles should be spaced so that they are no closer to each other than 3.0 feet on center. A driving resistance analysis, in accordance with Standard Building Code recommendations, should be conducted to confirm the capabilities of this report. A representative of Ardaman & Associates, Inc. should be present during pile installation to provide the necessary documentation.

GENERAL COMMENTS

The analysis and recommendations submitted in this report are based upon the data obtained from twenty (20) test borings performed at the locations indicated on the attached Figures 1 through 3. This report does not reflect any variations which may occur between the borings. While the boring is representative of the subsurface conditions at its vertical reach, local variations characteristic of the subsurface materials of the region are anticipated and may be encountered. The nature and extent of variations may not become evident until during the course of pile installation. If variations then appear evident, it will be necessary for a reevaluation of the recommendations of this report to be made after performing on-site observations during the construction period and noting the characteristics of any variations. The boring logs and related information are based upon the driller's logs and visual examination of selected samples in the laboratory. The delineation between soil types shown on the logs is approximate, and the description represents our interpretation of the subsurface conditions at the designated boring location on the particular date drilled.

It has been a pleasure to be of assistance to you with this project. Please contact us when we may be of further service to you, or should you have any questions concerning this report.

Very truly yours,

ARDAMAN & ASSOCIATES, INC.

Brian D. Runkles E.I.
Project Engineer

Scott B. Perkins, P.E. 6-4-08
Senior Engineer
Fl. Lic. No. 46678

BDR/SBP:nh

APPENDIX

SOIL BORING, SAMPLING AND TESTING METHODS

Standard Penetration Test

The Standard Penetration Test (SPT) is a widely accepted method of in situ testing of foundation soils (ASTM D-1586). A 2-foot long, 2-inch O.D. split-barrel sampler attached to the end of a string of drilling rods is driven 18 inches into the ground by successive blows of a 140-pound hammer freely dropping 30 inches. The number of blows needed for each 6 inches of penetration is recorded. The sum of the blows required for penetration of the second and third 6-inch increments penetration constitutes the test result or N-value. After the test, the sampler is extracted from the ground and opened to allow visual examination and classification of the retained soil sample. The N-Value has been empirically correlated with various soil properties allowing a conservative estimate of the behavior of soils under load. the following tables relate N-values to a qualitative description of soil density and, for cohesive soils, an approximate unconfined compressive strength (Qu):

Cohesionless Soils:	N-Value	Description
	0 to 4	Very loose
	4 to 10	Loose
	10 to 30	Medium dense
	30 to 50	Dense
	Above 50	Very dense

Cohesive Soils:	N-Value	Description	Qu (ton/ft^2)
	0 to 2	Very soft	Below 0.25
	2 to 4	Soft	0.25 to 0.50
	4 to 8	Medium stiff	0.50 to 1.0
	8 to 15	Stiff	1.0 to 2.0
	15 to 30	Very stiff	2.0 to 4.0
	Above 30	Hard	Above 4.0

The tests are usually performed at 5-foot intervals. However, more frequent or continuous testing is done by our firm through depths where a more accurate definition of the soils is required. The test holes are advanced to the test elevations by rotary drilling with a cutting bit, using circulating fluid to remove the cuttings and hold the fine grains in suspension. The circulating fluid, which is bentonitic drilling mud, is also used to keep the hole open below the water table by maintaining an excess hydrostatic pressure inside the hole. In some soil deposits, particularly highly pervious ones, NX-size flush-coupled casing must be driven to just above the testing depth to keep the hole open and/or prevent the loss of circulating fluid.

Representative split-spoon samples from each sampling interval and from every different stratum are brought to our laboratory in air-tight jars for further evaluation and testing, if necessary. After thorough examination and testing of the obtained samples in the laboratory, the samples are discarded unless prior arrangements have been made. After completion of a test boring, the hole is kept open until a steady state groundwater level is recorded. The hole is then sealed by backfilling with neat cement.

Power Auger Borings

Auger borings are used when a relatively large, continuous sampling of soil strata close to the ground surface is desired. A 4-inch diameter, continuous flight, helical auger with a cutting head at its end is screwed into the ground in 5-foot sections. It is powered by the rotary drill rig. The samples is recovered by withdrawing the auger out of the ground without rotating it. The soil sample so obtained, is classified and representative samples put in bags or jars and returned to the laboratory for further classification and testing, if necessary.

Hand Auger Borings

Hand auger borings are used, is soil conditions are favorable, when the soil strata are to be determined within a shallow (approximately 5-foot) depth or when access is not available to power drilling equipment. A 3-inch diameter hand bucket auger with a cutting head is simultaneously turned and pressed into the ground. The bucket auger is retrieved at approximately 6-inch intervals and its contents emptied for inspection. Sometimes post-hole diggers are used, especially in the upper three feet or so. The soil sample obtained is classified and representative samples put in bags or jars and transported to the laboratory for further classification and testing.

Undisturbed Sampling

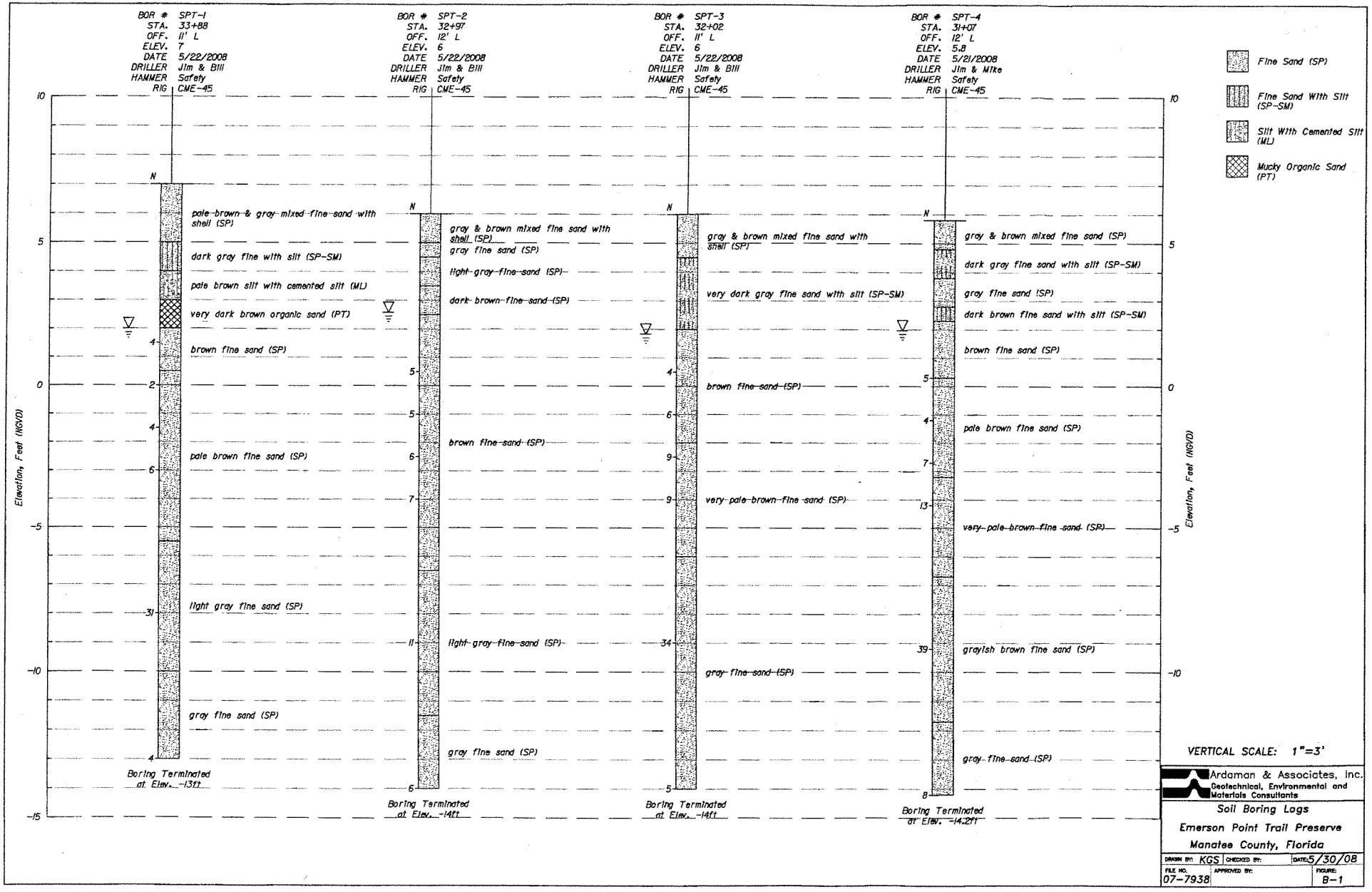
Undisturbed sampling implies the recovery of soil samples in a state as close to their natural condition as possible. Complete preservation of in situ conditions cannot be realized; however, with careful handling and proper sampling techniques, disturbance during sampling can be minimized for most geotechnical engineering purposes. Examination and testing of undisturbed samples gives a more accurate estimate of in situ behavior than is possible with disturbed samples.

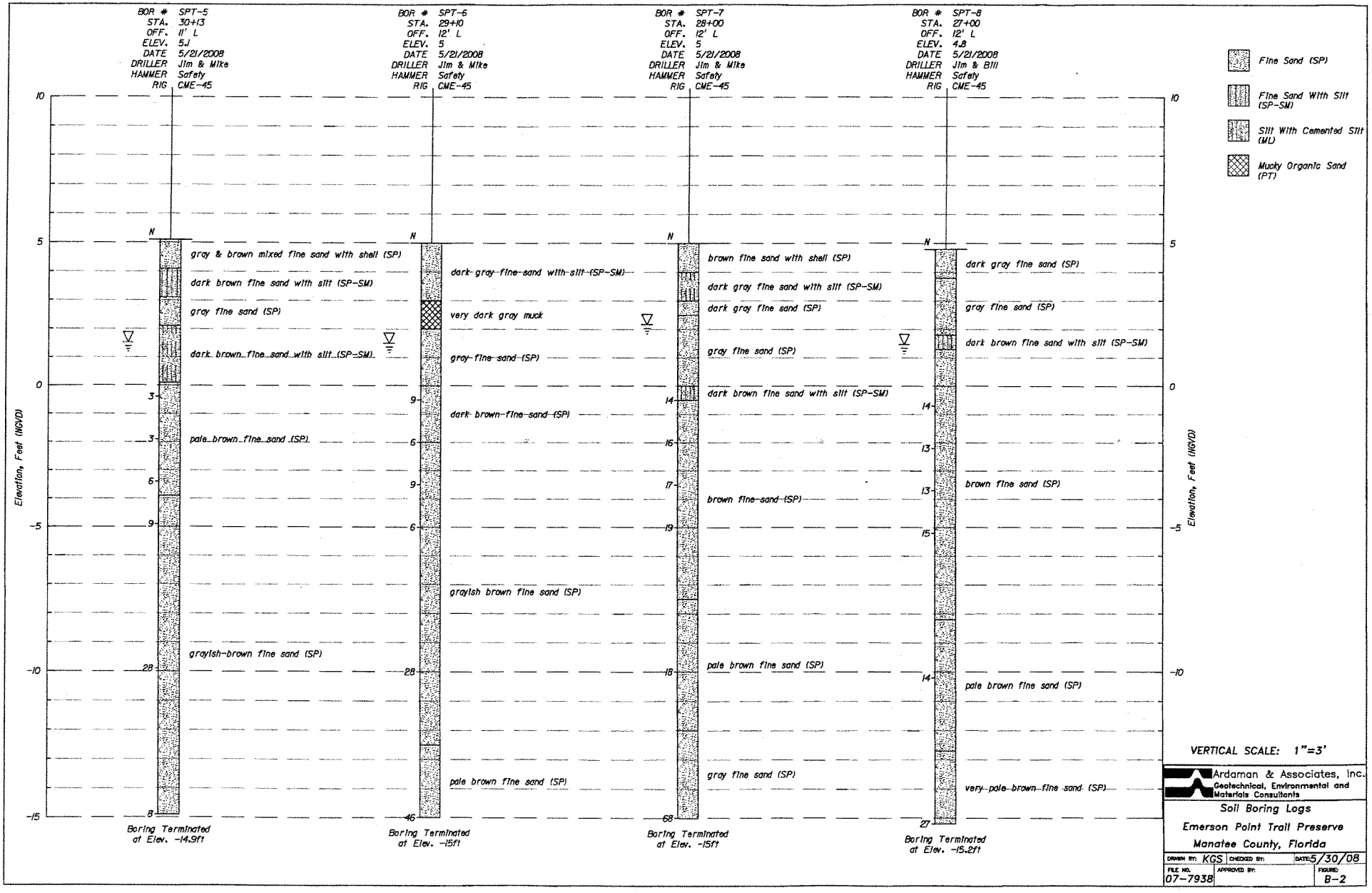
Normally, we obtain undisturbed samples by pushing a 2.875-inch I.D., thin wall seamless steel tube 24 inches into the soil with a single stroke of a hydraulic ram. The sampler, which is Shelby tube, is 30 inches long. After the sampler is retrieved, the ends are sealed in the field and is transported to our laboratory for further examination and testing, as needed.

Laboratory Test Methods

Soil samples returned to our laboratory are examined by a geotechnical engineer or geotechnician to obtain more accurate descriptions of the soil strata. Laboratory testing is performed on selected samples as deemed necessary to aid in soil classification and to further define engineering properties of the soils. The test results are presented on the soil boring logs at the depths at which the respective sample was recovered, except that grain size distributions or selected other test results may be presented on separate tables, figures or plates as described in this report. The soil descriptions shown on the logs are based upon a visual-manual classification procedure in general accordance with the Unified Soil Classification System (ASTM D-2488-84) and standard practice. Following is a list of abbreviations that my be used on the boring logs.

NM	-Natural Moisture (Water) Content; ASTM D-2216
-200	-Percent Finer Than No. 200 Sieve; ASTM D-1140
DD	-Dry Density of Undisturbed Sample
k	-Hydraulic Conductivity (Coefficient of Permeability)
LL	-Liquid Limit; ASTM D-4318
PI	-Plasticity Index (LL-PL); ASTM D-4318
OC	-Organic Content; ASTM D-2977
Qu	-Unconfined Compression Strength; ASTM D-2166 (soil), D-2938 (rock)


BOR # SPT-1
STA. 33+88
OFF. 11' L
ELEV. 7
DATE 5/22/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
pale brown & gray mixed fine sand with shell (SP)
dark gray fine with silt (SP-SM)
pale brown silt with cemented silt (ML)
very dark brown organic sand (PT)
brown fine sand (SP)
pale brown fine sand (SP)
light gray fine sand (SP)
gray fine sand (SP)
Boring Terminated at Elev. -13ft
BOR # SPT-2
STA. 32+97
OFF. 12' L
ELEV. 6
DATE 5/22/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
gray & brown mixed fine sand with shell (SP)
gray fine sand (SP)
light gray fine sand (SP)
dark brown fine sand (SP)
brown fine sand (SP)
light gray fine sand (SP)
gray fine sand (SP)
Boring Terminated at Elev. -14ft
BOR # SPT-3
STA. 32+02
OFF. 11' L
ELEV. 6
DATE 5/22/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
gray & brown mixed fine sand with shell (SP)
very dark gray fine sand with silt (SP-SM)
brown fine sand (SP)
very pale brown fine sand (SP)
gray fine sand (SP)
Boring Terminated at Elev. -14ft
BOR # SPT-4
STA. 31+07
OFF. 12' L
ELEV. 5.8
DATE 5/21/2008
DRILLER Jim & Mike
HAMMER Safety
RIG CME-45
gray & brown mixed fine sand (SP)
dark gray fine sand with silt (SP-SM)
gray fine sand (SP)
dark brown fine sand with silt (SP-SM)
brown fine sand (SP)
pale brown fine sand (SP)
very pale brown fine sand (SP)
grayish brown fine sand (SP)
gray fine sand (SP)
Boring Terminated at Elev. -14.2ft
Elevation, Feet (NGVD)
10
5
0
-5
-10
-15
Fine Sand (SP)
Fine Sand With Silt (SP-SM)
Silt With Cemented Silt (ML)
Mucky Organic Sand (PT)
VERTICAL SCALE: 1"=3'
Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants
Soil Boring Logs
Emerson Point Trail Preserve
Manatee County, Florida
DRAWN BY: KGS
CHECKED BY:
DATE: 5/30/08
FILE NO. 07-7938
APPROVED BY:
FIGURE: B-1


BOR # SPT-5
STA. 30+13
OFF. 11' L
ELEV. 5.1
DATE 5/21/2008
DRILLER Jim & Mike
HAMMER Safety
RIG CME-45
N
3
3
6
9
28
8
gray & brown mixed fine sand with shell (SP)
dark brown fine sand with silt (SP-SM)
gray fine sand (SP)
dark brown fine sand with silt (SP-SM)
pale brown fine sand (SP)
grayish-brown fine sand (SP)
Boring Terminated at Elev. -14.9ft
BOR # SPT-6
STA. 29+10
OFF. 12' L
ELEV. 5
DATE 5/21/2008
DRILLER Jim & Mike
HAMMER Safety
RIG CME-45
N
9
6
9
6
28
46
dark gray fine sand with silt (SP-SM)
very dark gray muck
gray fine sand (SP)
dark brown fine sand (SP)
grayish brown fine sand (SP)
pale brown fine sand (SP)
Boring Terminated at Elev. -15ft
BOR # SPT-7
STA. 28+00
OFF. 12' L
ELEV. 5
DATE 5/21/2008
DRILLER Jim & Mike
HAMMER Safety
RIG CME-45
N
14
16
17
19
18
68
brown fine sand with shell (SP)
dark gray fine sand with silt (SP-SM)
dark gray fine sand (SP)
gray fine sand (SP)
dark brown fine sand with silt (SP-SM)
brown fine sand (SP)
pale brown fine sand (SP)
gray fine sand (SP)
Boring Terminated at Elev. -15ft
BOR # SPT-8
STA. 27+00
OFF. 12' L
ELEV. 4.8
DATE 5/21/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
14
13
13
15
14
27
dark gray fine sand (SP)
gray fine sand (SP)
dark brown fine sand with silt (SP-SM)
brown fine sand (SP)
pale brown fine sand (SP)
very pale brown fine sand (SP)
Boring Terminated at Elev. -15.2ft
10
5
0
-5
-10
-15
Elevation, Feet (NGVD)
Fine Sand (SP)
Fine Sand With Silt (SP-SM)
Silt With Cemented Silt (ML)
Mucky Organic Sand (PT)
VERTICAL SCALE: 1"=3'
Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants
Soil Boring Logs
Emerson Point Trail Preserve
Manatee County, Florida
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DATE: 5/30/08
FILE NO. 07-7938
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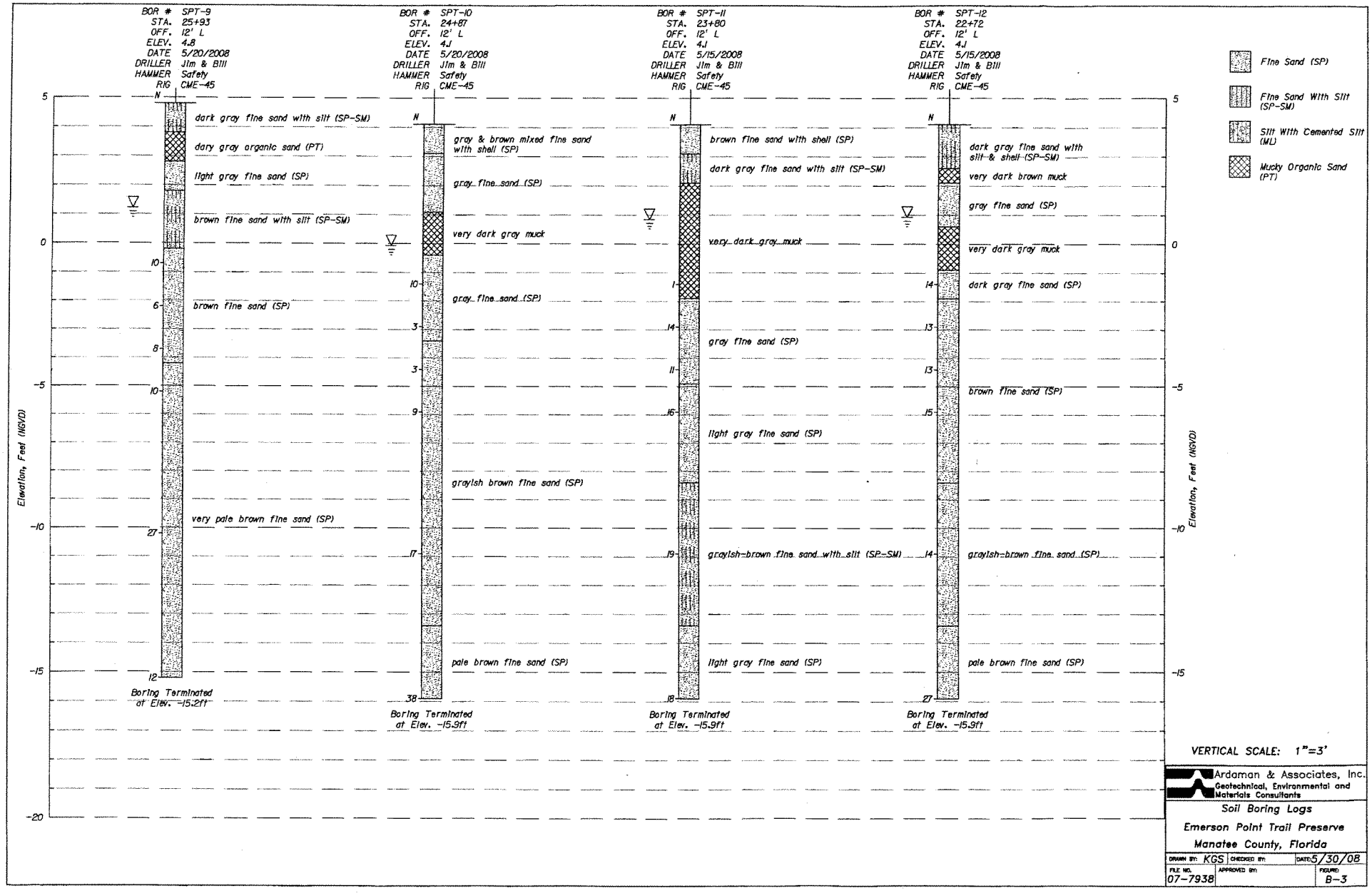
FIGURE: B-2


BOR # SPT-9
STA. 25+93
OFF. 12' L
ELEV. 4.8
DATE 5/20/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
dark gray fine sand with silt (SP-SM)
dary gray organic sand (PT)
light gray fine sand (SP)
brown fine sand with silt (SP-SM)
brown fine sand (SP)
very pale brown fine sand (SP)
Boring Terminated at Elev. -15.2ft
BOR # SPT-10
STA. 24+87
OFF. 12' L
ELEV. 4.1
DATE 5/20/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
gray & brown mixed fine sand with shell (SP)
gray fine sand (SP)
very dark gray muck
gray fine sand (SP)
grayish brown fine sand (SP)
pale brown fine sand (SP)
Boring Terminated at Elev. -15.9ft
BOR # SPT-11
STA. 23+80
OFF. 12' L
ELEV. 4.1
DATE 5/15/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
brown fine sand with shell (SP)
dark gray fine sand with silt (SP-SM)
very dark gray muck
gray fine sand (SP)
light gray fine sand (SP)
grayish-brown fine sand with silt (SP-SM)
light gray fine sand (SP)
Boring Terminated at Elev. -15.9ft
BOR # SPT-12
STA. 22+72
OFF. 12' L
ELEV. 4.1
DATE 5/15/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
dark gray fine sand with silt & shell (SP-SM)
very dark brown muck
gray fine sand (SP)
very dark gray muck
dark gray fine sand (SP)
brown fine sand (SP)
grayish-brown fine sand (SP)
pale brown fine sand (SP)
Boring Terminated at Elev. -15.9ft
Elevation, Feet (NGVD)
5
0
-5
-10
-15
-20
Fine Sand (SP)
Fine Sand With Silt (SP-SM)
Silt With Cemented Silt (ML)
Mucky Organic Sand (PT)
VERTICAL SCALE: 1"=3'
Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants
Soil Boring Logs
Emerson Point Trail Preserve
Manatee County, Florida
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FILE NO. 07-7938
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FIGURE: B-3

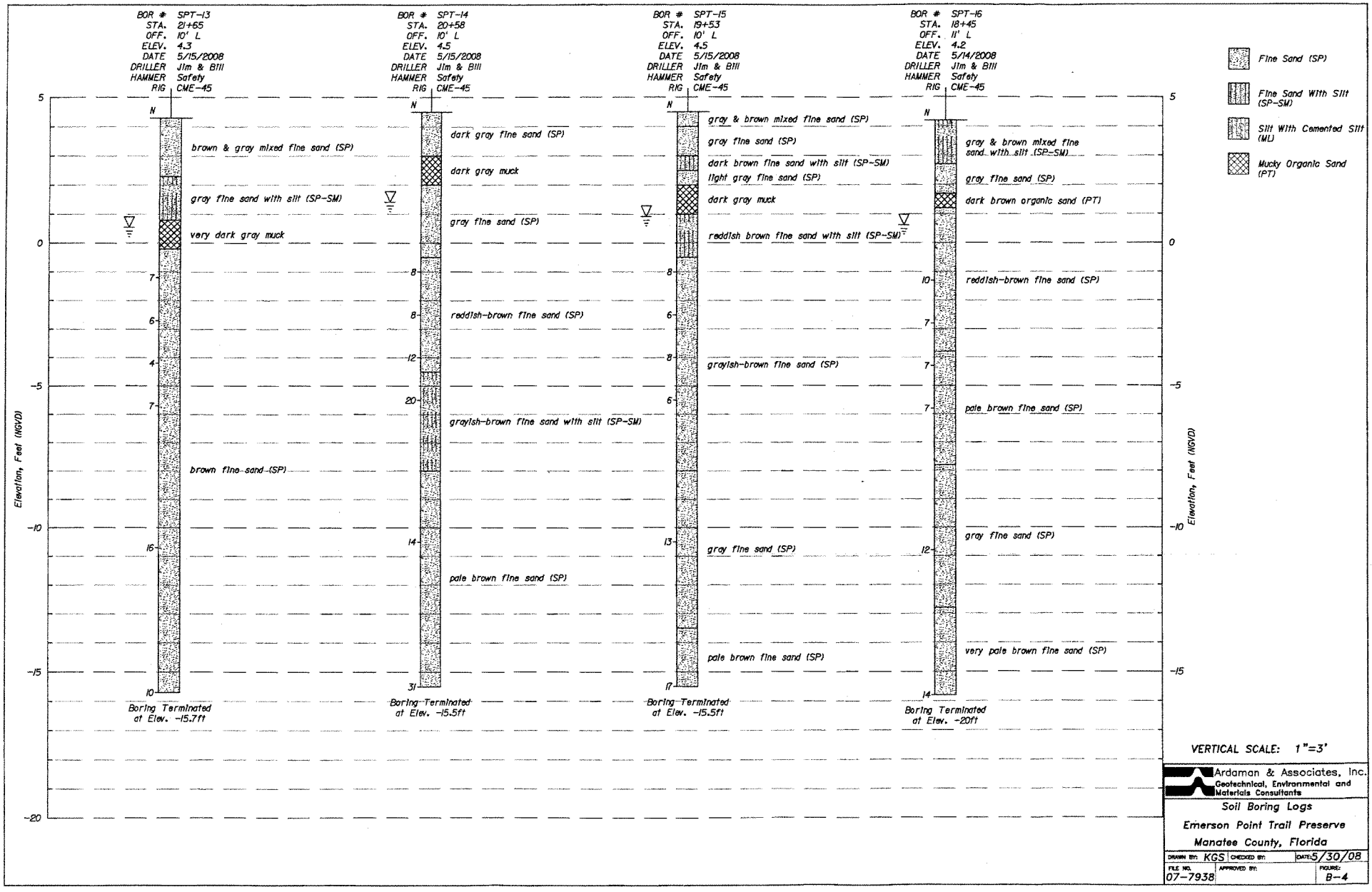
BOR # SPT-13
STA. 21+65
OFF. 10' L
ELEV. 4.3
DATE 5/15/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
brown & gray mixed fine sand (SP)
gray fine sand with silt (SP-SM)
very dark gray muck
brown fine sand (SP)
7
6
4
7
16
10
Boring Terminated at Elev. -15.7ft
BOR # SPT-14
STA. 20+58
OFF. 10' L
ELEV. 4.5
DATE 5/15/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
dark gray fine sand (SP)
dark gray muck
gray fine sand (SP)
reddish-brown fine sand (SP)
grayish-brown fine sand with silt (SP-SM)
pale brown fine sand (SP)
8
8
12
20
14
31
Boring Terminated at Elev. -15.5ft
BOR # SPT-15
STA. 19+53
OFF. 10' L
ELEV. 4.5
DATE 5/15/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
gray & brown mixed fine sand (SP)
gray fine sand (SP)
dark brown fine sand with silt (SP-SM)
light gray fine sand (SP)
dark gray muck
reddish brown fine sand with silt (SP-SM)
grayish-brown fine sand (SP)
gray fine sand (SP)
pale brown fine sand (SP)
8
8
6
8
6
13
17
Boring Terminated at Elev. -15.5ft
BOR # SPT-16
STA. 18+45
OFF. 11' L
ELEV. 4.2
DATE 5/14/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
gray & brown mixed fine sand with silt (SP-SM)
gray fine sand (SP)
dark brown organic sand (PT)
reddish-brown fine sand (SP)
pale brown fine sand (SP)
gray fine sand (SP)
very pale brown fine sand (SP)
10
7
7
7
12
14
Boring Terminated at Elev. -20ft
Fine Sand (SP)
Fine Sand With Silt (SP-SM)
Silt With Cemented Silt (ML)
Mucky Organic Sand (PT)
Elevation, Feet (NGVD)
5
0
-5
-10
-15
-20
VERTICAL SCALE: 1"=3'
Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants
Soil Boring Logs
Emerson Point Trail Preserve
Manatee County, Florida
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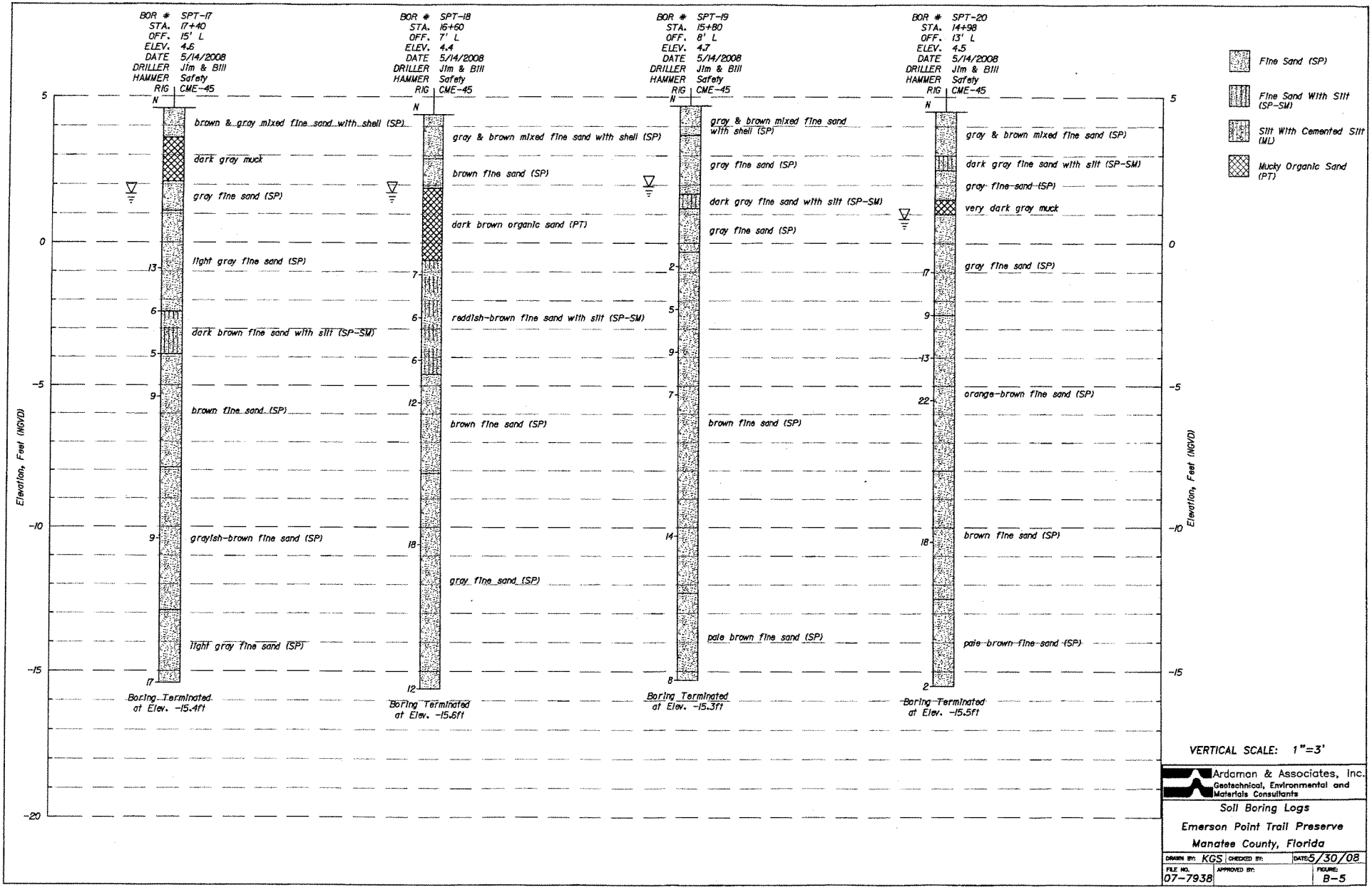
FIGURE: B-4


BOR # SPT-17
STA. 17+40
OFF. 15' L
ELEV. 4.6
DATE 5/14/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
brown & gray mixed fine sand with shell (SP)
dark gray muck
gray fine sand (SP)
light gray fine sand (SP)
dark brown fine sand with silt (SP-SM)
brown fine sand (SP)
grayish-brown fine sand (SP)
light gray fine sand (SP)
13
6
5
9
9
17
Boring Terminated at Elev. -15.4ft
BOR # SPT-18
STA. 16+60
OFF. 7' L
ELEV. 4.4
DATE 5/14/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
gray & brown mixed fine sand with shell (SP)
brown fine sand (SP)
dark brown organic sand (PT)
reddish-brown fine sand with silt (SP-SM)
brown fine sand (SP)
gray fine sand (SP)
7
6
6
12
18
12
Boring Terminated at Elev. -15.6ft
BOR # SPT-19
STA. 15+80
OFF. 8' L
ELEV. 4.7
DATE 5/14/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
gray & brown mixed fine sand with shell (SP)
gray fine sand (SP)
dark gray fine sand with silt (SP-SM)
gray fine sand (SP)
brown fine sand (SP)
pale brown fine sand (SP)
2
5
9
7
14
8
Boring Terminated at Elev. -15.3ft
BOR # SPT-20
STA. 14+98
OFF. 13' L
ELEV. 4.5
DATE 5/14/2008
DRILLER Jim & Bill
HAMMER Safety
RIG CME-45
N
gray & brown mixed fine sand (SP)
dark gray fine sand with silt (SP-SM)
gray fine sand (SP)
very dark gray muck
gray fine sand (SP)
orange-brown fine sand (SP)
brown fine sand (SP)
pale brown fine sand (SP)
17
9
13
22
18
2
Boring Terminated at Elev. -15.5ft
Elevation, Feet (NGVD)
5
0
-5
-10
-15
-20
Fine Sand (SP)
Fine Sand With Silt (SP-SM)
Silt With Cemented Silt (ML)
Mucky Organic Sand (PT)
VERTICAL SCALE: 1"=3'
Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants
Soil Boring Logs
Emerson Point Trail Preserve
Manatee County, Florida
DRAWN BY: KGS
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DATE: 5/30/08
FILE NO. 07-7938
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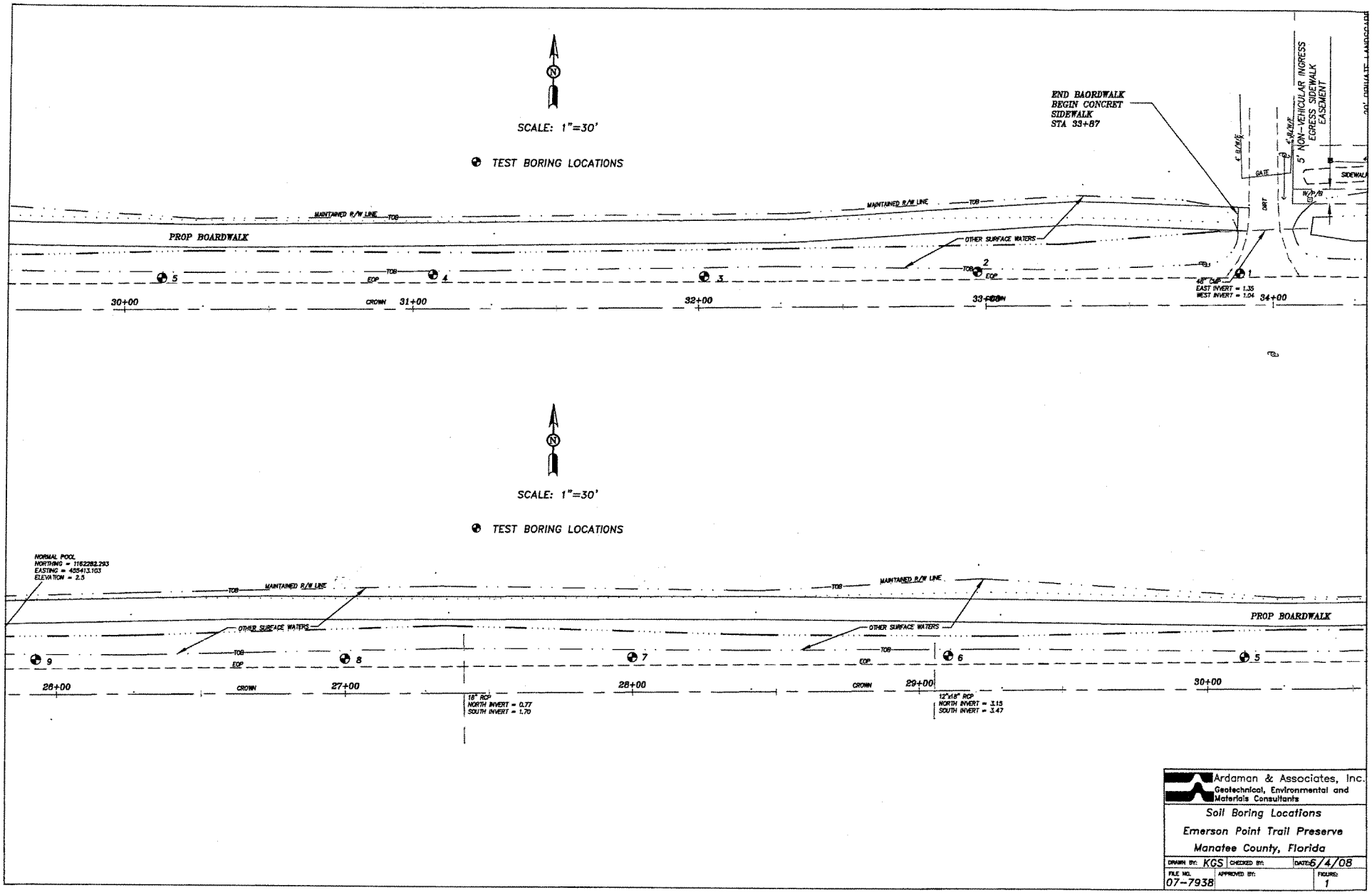
FIGURE: B-5



Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

Soil Boring Locations
Emerson Point Trail Preserve
Manatee County, Florida

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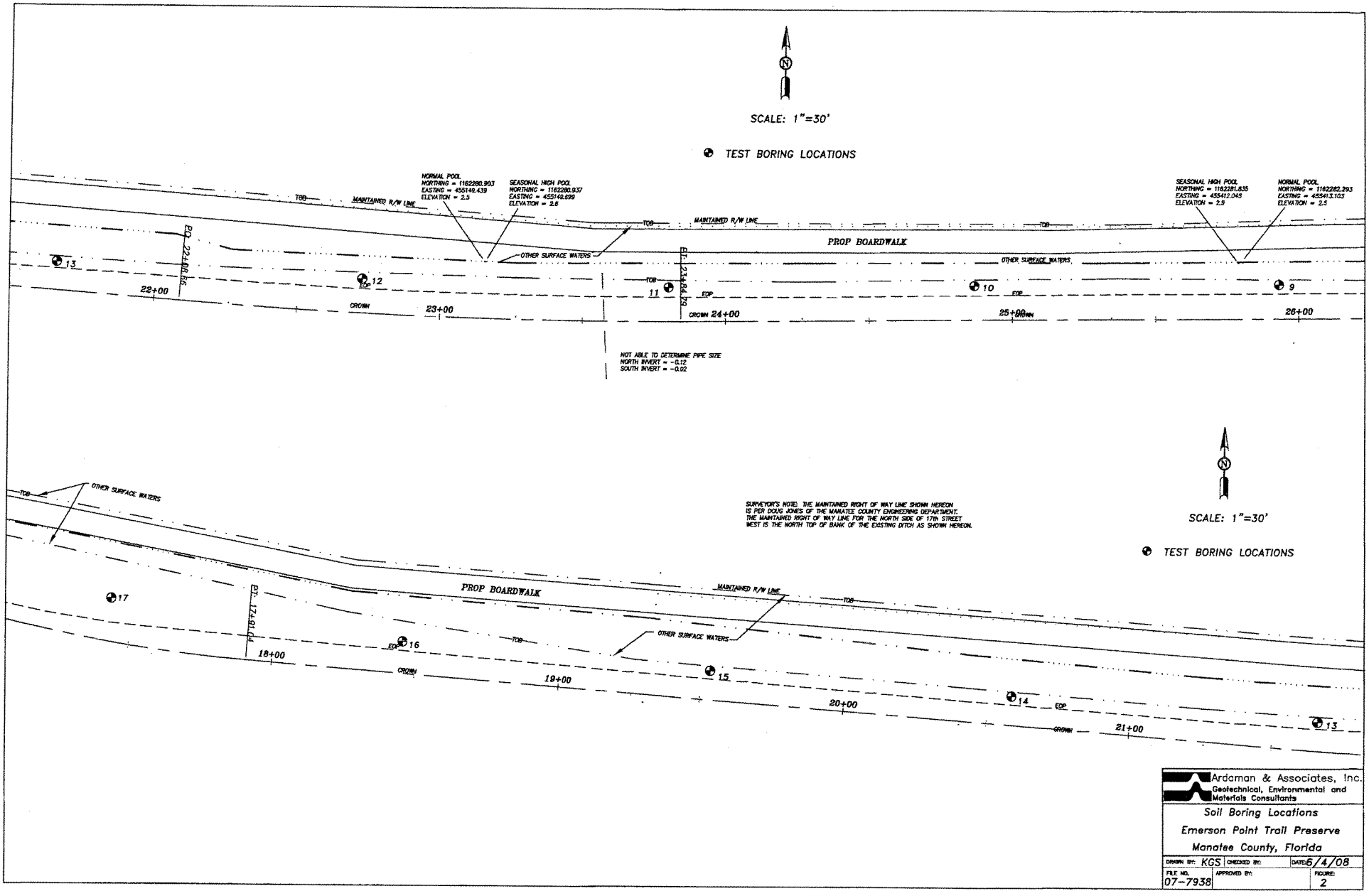
FILE NO. 07-7938	APPROVED BY:	FIGURE: 1



Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

Soil Boring Locations
Emerson Point Trail Preserve
Manatee County, Florida

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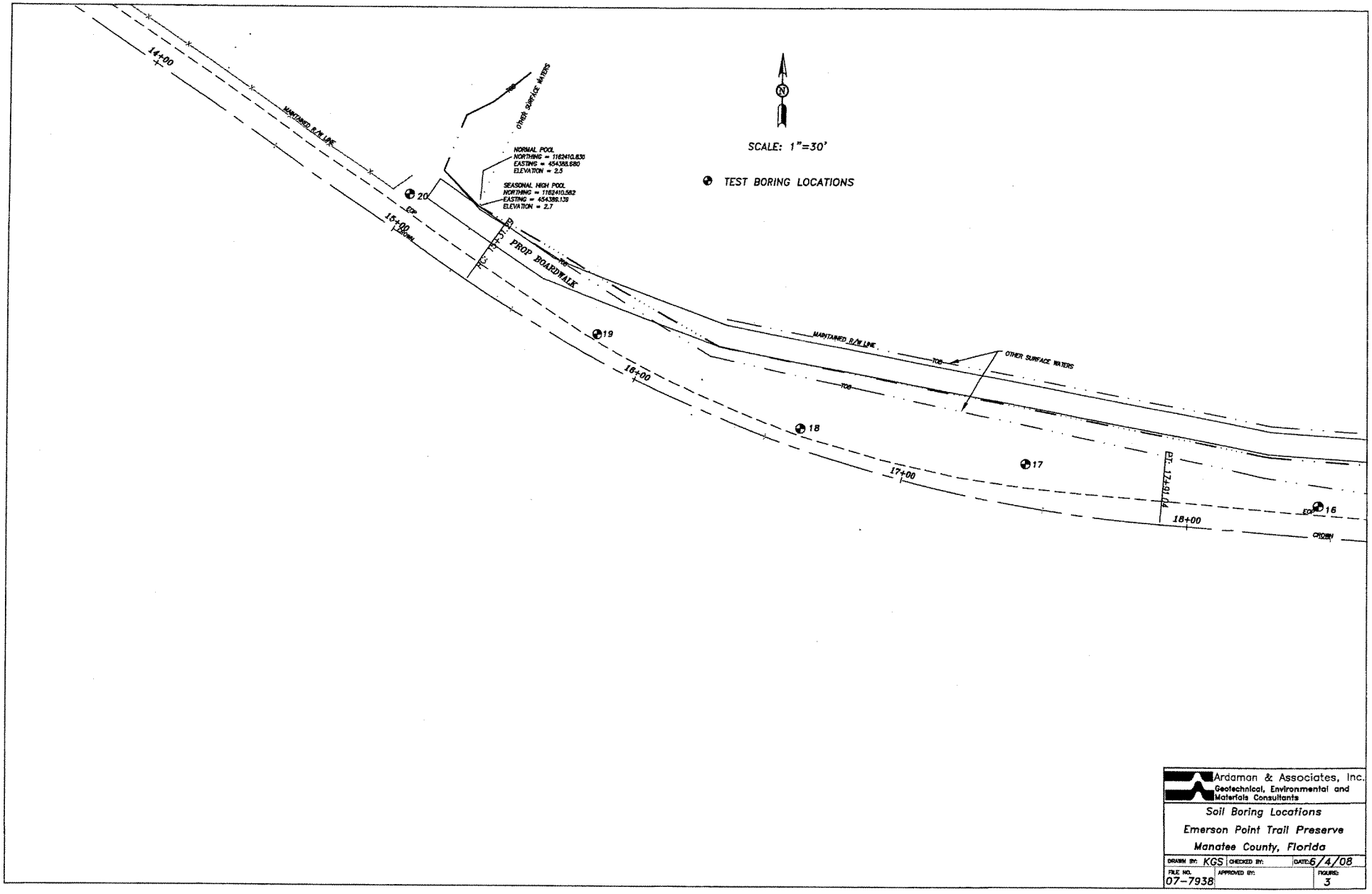
FILE NO. 07-7938	APPROVED BY:	FIGURE: 2



Ardaman & Associates, Inc.
Geotechnical, Environmental and Materials Consultants

Soil Boring Locations
Emerson Point Trail Preserve
Manatee County, Florida

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FILE NO. 07-7938	APPROVED BY:	FIGURE: 3

BID FORM
SECTION 00300 (Addendum No. 1)

For: 17th Street West from Amerwynd Circle (West) To Emerson Point Trail

TOTAL BID PRICE "A"
(Based on a completion time of 120 Calendar Days) $_____

TOTAL BID PRICE "B"
(Based on a completion time of 150 Calendar Days) $_____

Two schedules for Completion of the Work shall be considered. Each bid for completion by the specified stated time shall be offered as a separate "Total Bid Price". The County has the sole authority to select the bid based on the Completion Time which is in the best interest of the County. Only one award shall be made.

We, the undersigned, hereby declare that we have carefully reviewed the bid documents, and with full knowledge and understanding of the aforementioned herewith submit this bid, meeting each and every specification, term, and condition contained in the Invitation for Bids.

We understand that the bid technical specifications, terms, and conditions in their entirety shall be made a part of any agreement or contract between Manatee County and the successful bidder. Failure to comply shall result in contract default, whereupon, the defaulting contractor shall be required to pay for any and all re-procurement costs, damages, and attorney fees as incurred by the County.

Communications concerning this Bid shall be addressed as follows:

Person's Name: _____

Address: _____ Phone: _____

Date: _____ FLContractorLicense# _____

Bidder is a WBE/MBE Vendor? _____ Certification _____

COMPANY'S NAME: _____

AUTHORIZED SIGNATURE(S): _____

Name and Tile of Above Signer(s) _____

CO. MAILING ADDRESS: _____

_____

STATE OF INCORPORATION _____ (if applicable)

TELEPHONE: ( ) _____ FAX: ( ) _____

EMAIL ADDRESS: _____

Acknowledge Addendum No.__ Dated: ____ Acknowledge Addendum No. ___ Dated: _____

SIGN AND CONFIRM DATE OF PROJECT VISIT: _____ **DATE:** _____

SECTION 00300 - BID FORM

(Submit in Triplicate) -

IFB #11-2084-OV / Addendum # 1

Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County (Project No.: 412569-1-58-01) Bid "A" - Based on a Completion Time of 120 Calendar Days

ITEM NO.	DESCRIPTION	EST. QTY.	U/M	UNIT PRICE	EXTENDED PRICE
101- 1-	MOBILIZATION	1	LS	$	$
102- 1-	MAINTENANCE OF TRAFFIC	1	LS	$	$
102- 3-	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENANCE	90	CY	$	$
104- 10- 3	SEDIMENT BARRIER	2,011	LF	$	$
104-11	FLOATING TURBIDITY BARRIER	40	LF	$	$
110- 1-1	CLEARING AND GRUBBING	1	LS	$	$
***120-2-2**	**BORROW EXCAVATION (TRUCK MEASURE) (ADDENDUM #1)**	**1,660**	**CY**	**$**	**$**
***120-4**	**SUBSOIL EXCAVATION (ADDENDUM #1)**	**880**	**CY**	**$**	**$**
160-4-12	TYPE B STABILIZATION (12") (LBR 40)	2,153	SY	$	$
285-704	OPTIONAL BASE GROUP 4 (6" BANK RUN SHELL) (LBR 100 (INC.BIT MAT/PRIME)	1,929	SY	$	$
334-1-12	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)	198	TN	$	$
***400-0-11**	**CLASS NS CONCRETE GRAVITY WALL (ADDENDUM #1)**	**40**	**CY**	**$**	**$**
400-1-2	CLASS I CONCRETE (ENDWALLS)	6	CY	$	$
400-1-11	CLASS I CONCRETE (GRAVITY WALL)	22	CY	$	$
425-2-41	MANHOLE (P-7) (<10')	3	EA	$	$
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	27	LF	$	$
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	14	LF	$	$
430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" S/CD	15	LF	$	$
430-984-141	MITERED END SECTION 48" (ROUND) (SD)	1	EA	$	$

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate) -

IFB #11-2084-OV / Addendum # 1

Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County (Project No.: 412569-1-58-01) Bid "A" - Based on a Completion Time of 120 Calendar Days

ITEM NO.	DESCRIPTION	EST. QTY.	U/M	UNIT PRICE	EXTENDED PRICE
515-2-301	PEDESTRIAN / BICYCLE RAILING (ALUMINUM, 42" PICKET RAILING)	1,842	LF	$	$
522-1	CONCRETE SIDEWALK, 4" THICK	14	SY	$	$
547-70-1	RIPRAP-FABRIC FORM CONCRETE (8" FILTER POINTS)	2,571	SY	$	$
570-1-2	PERFORMANCE TURF (SOD)	2,008	SY	$	$
700-20-11	SINGLE SIGN POST (<12sf)	3	AS	$	$
SPECIAL	ALUMINUM SHEET PILE	145	LF	$	$
	DISCRETIONARY WORK	1	LS		**$50,000.00**
	BID TOTAL - BID "A" - Based on a Completion Time of **120** calendar days / **(ADDENDUM #1)**				**$**

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate)

WORK BY SUBCONTRACTORS

IFB #11-2084-OV / Addendum #1

17th Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County, FL)

(Project No.: 412569-1-58-01) Bid "A" - Based on a Completion Time of 120 Calendar Days

ITEM NO.	DESCRIPTION	WORK BY SUBCONTRACTOR		DESCRIPTION OF WORK BY CONTRACTOR
		%	MBE/WBE	
101- 1-	MOBILIZATION			
102- 1-	MAINTENANCE OF TRAFFIC			
102- 3-	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENACE			
104- 10- 3	SEDIMENT BARRIER			
104-11	FLOATING TURBIDITY BARRIER			
110-1-1	CLEARING AND GRUBBING			
***120-2-2**	**BORROW EXCAVATION (TRUCK MEASURE) (ADDENDUM #1)**			
***120-4**	**SUBSOIL EXCAVATION (ADDENDUM #1)**			
160-4-12	TYPE B STABILIZATION (12") (LBR40)			
285-704	OPTIONAL BASE GROUP 4 (6" BANK RUN SHELL) LBR 100 (INC. BIT MAT/PRIME)			
334-1-12	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)			
***400-0-11**	**CLASS NS CONCRETE GRAVITY WALL (ADDENDUM #1)**			
400-1-2	CLASS I CONCRETE (ENDWALLS)			
400-1-11	CLASS I CONCRETE (GRAVITY WALL)			
425-2-41	MANHLE (P-7) (<10')			
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD			
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND 24" S/CD			
430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" S/CD			
430-984-141	MITERED END SECTION 48" (ROUND) (SD)			

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate)

WORK BY SUBCONTRACTORS

IFB #11-2084-OV / Addendum #1

17th Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County, FL)

(Project No.: 412569-1-58-01) Bid "A" - Based on a Completion Time of 120 Calendar Days

ITEM NO.	DESCRIPTION	WORK BY SUBCONTRACTOR		DESCRIPTION OF WORK BY CONTRACTOR
		%	MBE/WBE	
515-2-301	PEDESTRIAN / BICYCLE RAILING (ALUMINUM, 42" PICKET RAILING)			
522-1	CONCRETE SIDEWALK, 4" THICK			
547-70-1	RIPRAP-FABRIC FORM CONCRETE (8" FILTER POINTS)			
570-1-2	PERFORMANCE TURF (SOD)			
700-20-11	SINGLE SIGN POST (<12sf)			
SPECIAL	ALUMINUM SHEET PILE			

This is a duplication of the bid items where the Bidder shall state the percentage to work (of each item listed) and a description of the work which shall be performed by a subcontractor.

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate) -

IFB #11-2084-OV / Addendum #1

17th Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County, FL)
(Project No.: 412569-1-58-01) Bid "B" - Based on a Completion Time of 150 Calendar Days

ITEM NO.	DESCRIPTION	EST. QTY.	U/M	UNIT PRICE	EXTENDED PRICE
101- 1-	MOBILIZATION	1	LS	$	$
102- 1-	MAINTENANCE OF TRAFFIC	1	LS	$	$
102- 3-	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENANCE	90	CY	$	$
104- 10- 3	SEDIMENT BARRIER	2,011	LF	$	$
104-11	FLOATING TURBIDITY BARRIER	40	LF	$	$
110- 1-1	CLEARING AND GRUBBING	1	LS	$	$
***120-2-2**	**BORROW EXCAVATION (TRUCK MEASURE) (ADDENDUM #1)**	**1,660**	**CY**	**$**	**$**
***120-4**	**SUBSOIL EXCAVATION (ADDENDUM #1)**	**880**	**CY**	**$**	**$**
160-4-12	TYPE B STABILIZATION (12") (LBR 40)	2,153	SY	$	$
285-704	OPTIONAL BASE GROUP 4 (6" BANK RUN SHELL) (LBR 100 (INC.BIT MAT/PRIME)	1,929	SY	$	$
334-1-12	SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC B)	198	TN	$	$
***400-0-11**	**CLASS NS CONCRETE GRAVITY WALL (ADDENDUM #1)**	**40**	**CY**	**$**	**$**
400-1-2	CLASS I CONCRETE (ENDWALLS)	6	CY	$	$
400-1-11	CLASS I CONCRETE (GRAVITY WALL)	22	CY	$	$
425-2-41	MANHOLE (P-7) (<10')	3	EA	$	$
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	27	LF	$	$
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	14	LF	$	$
430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" S/CD	15	LF	$	$
430-984-141	MITERED END SECTION 48" (ROUND) (SD)	1	EA	$	$

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate) -

IFB #11-2084-OV / Addendum #1

17th Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County, FL)
(Project No.: 412569-1-58-01) Bid "B" - Based on a Completion Time of 150 Calendar Days

ITEM NO.	DESCRIPTION	EST. QTY.	U/M	UNIT PRICE	EXTENDED PRICE
515-2-301	PEDESTRIAN / BICYCLE RAILING (ALUMINUM, 42" PICKET RAILING)	1,842	LF	$	$
522-1	CONCRETE SIDEWALK, 4" THICK	14	SY	$	$
547-70-1	RIPRAP-FABRIC FORM CONCRETE (8" FILTER POINTS)	2,571	SY	$	$
570-1-2	PERFORMANCE TURF (SOD)	2,008	SY	$	$
700-20-11	SINGLE SIGN POST (<12sf)	3	AS	$	$
SPECIAL	ALUMINUM SHEET PILE	145	LF	$	$
	DISCRETIONARY WORK	1	LS		**$50,000.00**
	BID TOTAL - BID "B" - Based on a Completion Time of **150** calendar days **(ADDENDUM #1)**				**$**

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate)

WORK BY SUBCONTRACTORS

IFB #11-2084-OV / Addendum #1

17th Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County, FL)

(Project No.: 412569-1-58-01) Bid "B" - Based on a Completion Time of 150 Calendar Days

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		%	MBE/WBE	
101- 1-	MOBILIZATION			
102- 1-	MAINTENANCE OF TRAFFIC			
102- 3-	COMMERCIAL MATERIAL FOR DRIVEWAY MAINTENACE			
104- 10- 3	SEDIMENT BARRIER			
104-11	FLOATING TURBIDITY BARRIER			
110-1-1	CLEARING AND GRUBBING			
***120-2-2**	**BORROW EXCAVATION (TRUCK MEASURE) (ADDENDUM #1)**			
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400-1-11	CLASS I CONCRETE (GRAVITY WALL)			
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430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD			
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430-175-148	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 48" S/CD			
430-984-141	MITERED END SECTION 48" (ROUND) (SD)			

BIDDER:_____

AUTHORIZED SIGNATURE:_____

SECTION 00300 - BID FORM

(Submit in Triplicate)

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17th Street West from Amberwynd Circle (West) to Emerson Point Trail, Snead Island (Manatee County, FL)

(Project No.: 412569-1-58-01) Bid "B" - Based on a Completion Time of 150 Calendar Days

ITEM NO.	DESCRIPTION	WORK BY SUBCONTRACTOR		DESCRIPTION OF WORK BY CONTRACTOR
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515-2-301	PEDESTRIAN / BICYCLE RAILING (ALUMINUM, 42" PICKET RAILING)			
522-1	CONCRETE SIDEWALK, 4" THICK			
547-70-1	RIPRAP-FABRIC FORM CONCRETE (8" FILTER POINTS)			
570-1-2	PERFORMANCE TURF (SOD)			
700-20-11	SINGLE SIGN POST (<12sf)			
SPECIAL	ALUMINUM SHEET PILE			

This is a duplication of the bid items where the Bidder shall state the percentage to work (of each item listed) and a description of the work which shall be performed by a subcontractor.

BIDDER:_____

AUTHORIZED SIGNATURE:_____

CIVILSURV
A Tradition of Innovative Engineering

July 25, 2011

To All Bidders

Subject: **Emerson Point Trail – Manatee County, Florida**

The "construction cost estimate" for Emerson Point Trail is $562,127.12 (five hundred sixty-two thousand one hundred twenty-seven dollars and twelve cents).

This construction cost estimate was determined as of 7/25/11. The construction cost estimate is based on the original specifications and drawings issued with Emerson Point Trail.

Sincerely,

John E. Howle, P.E.
Director of Transportation Engineering

Engineer of Record for Emerson Point Trail

Cc: Bruce Simington, Project Management Division Manager
Chuck Froman, Project Manager
Project File: 60069 2.2