



URS

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**Posted to USC Website
May 30, 2013**

**RE: Athletic Village Sand Volleyball Court Construction
For the University of South Carolina
URS Project No. 46422848
State Project No. H27-Z081**

ADDENDUM NO. 2 – May 30, 2013

TO: ALL HOLDERS OF RECORD OF CONTRACT DOCUMENTS

Acknowledge receipt of this addendum by inserting its number and date in the Bid Form. Failure to do so may subject bidder to disqualification. This addendum forms a part of the Contract Documents. It modifies them as follows:

CLARIFICATIONS

1. **Pre-Bid Meeting:** A non-mandatory pre-bid meeting was held on May 21, 2013. A list of attendees is attached.
2. **Scoreboard:** The scoreboard has been removed from the project. The only items that are included in the base bid are the scoreboard foundations, steel support columns and power/data communication feeds.
3. **Construction Access:** Two construction access points will be allowed for this project. The first is via the Roundhouse Parking Lot as shown on the plans. This lot may also be used for contractor parking and staging of equipment and materials. A second access point will be allowed which will run from behind the parking garage, around the tennis courts and into the volleyball site. Normal construction equipment will be allowed to use either access point during construction.
4. **Construction Sequencing:** Completion of the soccer fields will be required as soon as possible and before completion of the volleyball courts. The overall project completion requirement of 90 days as listed in the bid documents is still valid. This is why the second construction access point was added to the project.
5. **Pond Aerator:** The pond aerator shall be furnished and installed as shown on the plans. No cleaning of the pond is required at this time.
6. **Volleyball Sports Lighting Footings/Foundations:** The volleyball sports lighting foundations shall be designed by the contractor, see note on drawing A3.

7. **Volleyball Sports Lighting Questions:** The following questions were raised and are answered below:
- Q:** What is the warranty on the lighting system, and that the light levels must be maintained for? Section 1.4 A states 10 years hours, Section 1.5 A says 10 years, but 2.1 A 3a says light levels shall be held constant for 25 years. Also section 2.1 17g indicates communications for the Controls & Monitoring be provided for the 25 years. **A:** Warranty shall be for 10 years, communications for controls and monitoring shall also be for 10 years.
 - Q:** The specification refers to light levels measured per IESNA RP-6. IESNA has issued a clarification to RP-6 in which they note the -10% is no longer allowed when testing lighting systems. Is the -10% allowed for this project? **A:** No, -10% is not allowed; average minimum light levels shall be 80fc.
 - Q:** What is required for a system to be considered Constant Light? **A:** To be considered constant light output, the system shall automatically adjust the power to each lamp as it depreciates to maintain the desired light output.
 - Q:** Since the controls are located outdoors, does the Lighting Contactor Cabinet need to be Nema 4 Rated? **A:** Cabinet must be rated for exterior use, Nema 4, 4x or 3R is acceptable.
8. **Installation of Soccer Field Lights:** This has been added as Bid Alternate #2. Sketches SKS-1 and SKS-2 (issued with Addendum #1) outline the foundation work and drawing E1 (issued with Addendum #1) shows the locations for the 6 poles. The existing poles are currently stored behind the parking garage. The contractor may use either construction access point for transporting the poles to the soccer field. Any damage to existing sports fields shall be repaired by the contractor. This bid alternate shall include a \$5,000.00 allowance for replacement of broken bulbs. This bid alternate shall also include re-aiming of all 6 lights. All other electrical work as shown on the plans is part of the base bid.
9. **Synthetic Turf:** For the base bid, the contractor shall furnish and install the geotextile fabric, the dynamic stone and the topping stone. For the base bid, the synthetic turf system (turf, rubber, maintenance equipment, warranty, etc.) is owner furnished and contractor installed. Bid Alternate #1 adds contractor furnishing of the synthetic turf system.
10. **Volleyball Court Sand:** Revised detail 7 on sheet A6 clarifies that the sand sits on top of compacted subgrade (not aggregate) and a geotextile fabric. The only aggregate (free draining pea stone gravel) is around the HDPE drain pipe.

SPECIFICATIONS

Remove the following specification:

1. Section 116843 Outdoor Scoreboard

Replace the original specification with the attached specification:

1. Section 115213 Outdoor Sports Equipment (frame suppliers and netting suppliers for removable ball net system were updated).

DRAWINGS

Replace the original drawings with attached drawings:

1. A3 – Site Layout Plan - Volleyball
2. A6 – Site Details – Volleyball

Add the following sketches:

1. SKC-1 REV 1 - Revised Scoreboard Foundation Location (Plan View)

END OF ADDENDUM NO. 2



University of South Carolina- Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name & Number: Athletic Village Sand Volleyball Court Construction/H27-Z081
 Pre Bid Date & Time: May 21, 2013 @ 10 am

Name	Company	Address	Phone #	Email
George Bortwright	Premier Constructors	West Columbia PO Box 3455 785 Hampton Creek Way	803-240-3485	gportwright@premierconstructors.net jason@hammer construction company.com
JASON PROUSE	HAMMER CONSTRUCTION	COLUMBIA 29209	803-783-7033	dgregory@cherokee-sc.com
JAMES GREGORY	Cherokee Inc	6928 Chehal St Columbia 29209	803 776 4070	bricehenry@Acl.com
Henny Brice	KMB Electric Co Inc	405 Lakewood Dr Sumter SC 29154	803-795-9993	ttuett0425@gmail.com
Tony Truett	KMB Electric Co Inc	405 Lakewood Dr Sumter SC 29154	803-968-7655	mtorrence1@CAROLINA-SC.COM
Mike Torrence	Torrence Sports Lighting, INC.	14211 Grand Traverse Drive Charlotte, NC 28278	704-953-0680	Barry.Jones@Musco.com
Barry Jones	Musco Sports Lighting	497 Kings Grant Dr. Columbia SC 29209	803-782-5851 off 803-260-1148 cell	HWilson@L-JINC.COM
PETER GOODWIN	L-JINC	220 STONEHEDGE DR SUITE 405 COLUMBIA, SC 29210	803 929-1181 729-7625 (FAX)	

*Please make sure you list your company name as registered with LLR.

*By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.



University of South Carolina - Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name & Number: Athletic Village Sand Volleyball Court Construction/H27-Z081
 Pre Bid Date & Time: May 21, 2013 @ 10 am

Name	Company	Address	Phone #	Email
Clark Cox	USC Athletics	1304 Heywood St Columbia, SC 29208	803-777-7810	clark.cox@h27.z081.usc.edu
GALLAGHER	U.S.C. BLURT		7-4217	
Alan Wilson	Wilson & Associates Capitol Construction of the Carolinas	1937 South Lake Dr Lexington, SC 29073 704 Ramsgate Dr. Spartanburg, SC 29301	803-957-3115	Wilsonandassociates at windstream.net B.45@CapitolConstruction.US Jared@CapitolConstruction.US
Jared Rikard			804-809-7628	
Chris Smith	URS Corp.	101 Astorarch Drive Columbia, SC 29203	803-254-4400	Chris, C. Smith @URS.COM
Todd Penley	Medallion Athletic Products	150 River Park Rd. Madisonville, TN 38117	(704) 200-8770	todd@medallion athletics.com
Jeff Davis	USC ATHLETICS	1304 Heywood ST. Columbia, SC 29208	803-777-0459	jeff@mailbox.sc.edu
Maquana Brookins	USC Facilities	743 Greene St Columbia SC	803-777-3516	Jbrookins@usc.edu

*Please make sure you list your company name as registered with LLC.
 *By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

SECTION 115213 OUTDOOR SPORTS EQUIPMENT

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. Provide equipment and materials, and do work necessary to construct or provide the following, as indicated on the Drawings and as specified. Work shall include but shall not be limited to:
 - 1. Sand Volleyball Equipment
 - a. Foam Barrier Compression Pad
 - b. Referee Stands
 - c. Boundary Line Markers
 - d. Volleyball Nets
 - e. Volleyball Posts
 - f. Volleyball Antennas
 - g. Pole and Stand Padding
 - h. Multi Head & Foot Shower
 - 2. Miscellaneous Equipment
 - a. Ball Netting System
 - b. Perimeter Graphic Padding

1.2 RELATED WORK

- A. Synthetic Turf Playing Field System
- B. Chain Link Fences and Gates
- C. Scoreboards / Timing Equipment

1.3 SUBMITTALS

- A. Shop Drawings:
 - 1. Show application to project
 - 2. Include plans, elevations, component details, and attachments to other Work.
- B. Product Data: Submit manufacturer's product data and samples as noted for the following: Foam Barrier Compression Pad
 - 2. Referee Stands
 - 3. Boundary Line Markers
 - 4. Volleyball Netting
 - 5. Volleyball Posts
 - 6. Volleyball Antennas
 - 7. Pole and Padding
 - 8. Multi Head and Foot Shower

1.4 PERFORMANCE REQUIREMENTS

- A. Inline Ball Net System – Contractor to submit sealed shop drawings by a State Licensed Engineer for the upright post diameter and footing design.

1.5 QUALITY ASSURANCE

- A. Installer of outdoor sports equipment shall be the same Contractor. All installed equipment shall be under the supervision of Owner's groundskeeper.
- B. Inline Ball Net System Installer – Contractor to restretch/tighten netting if necessary 60 days after substantial completion.
- C. Welding: Qualify procedures and personnel according to AWS D1.1, "Structural Welding Code-Steel," and AWS D1.3, "Structural Welding Code – Sheet Steel."

1.6 WARRANTY

- A. General Warranty: Special warranties specified in this Section shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
- B. Special Warranties:
 - 1. Equipment: Written warranties, executed by the manufacturer of each piece of equipment specified agreeing to repair or replace equipment or components that fail in materials or workmanship with specified warranty period.
 - 2. Ball Netting System: Installed netting shall prevent passage of kicked, struck or thrown balls or implements per designed sport use. If netting fails to do so, installer shall adjust netting to appropriate tension.
 - a. Warranty Period: Per the manufacturer.

PART 2 - PRODUCTS

2.1 SAND VOLLEYBALL EQUIPMENT

- A. Foam Barrier Compression Pad
 - 1. Pads
 - a. 4" square compression foam thickness
 - b. Attachment to concrete curb via rigid outdoor Velcro
 - c. Available in standard colors, to be chosen by owner
 - 2. Foam Barrier Compression Pad Suppliers
 - a. Volleyball USA, (800) 494-3933,volleyballusa.com
 - b. Approved equal
- B. Outdoor Beach Volleyball Referee Stands
 - 1. Stands
 - a. 6'-2" Seat Height
 - b. High Grade UV / Water Resistant Cushion

2. Referee Stand Suppliers
 - a. Volleyball USA, (800) 494-3933,volleyballusa.com
 - b. Approved equal
- C. Boundary Line Markers
 1. Premium Boundary Lines
 - a. 18 oz. UV treated vinyl quad stitched
 - b. Adjustable with lock down clips
 - c. Zinc plated steel corner rings and center court markings
 - d. Plastic sand stakes with 2 foot bungee cord attached
 - e. Permanently attached bungee cords
 - f. Available in standards colors, to be chosen by owner.
 2. Boundary Lines Suppliers
 - a. Volleyball USA, (800) 494-3933,volleyballusa.com
 - b. Approved equal
- D. Volleyball Netting
 1. Netting
 - a. 4" Professional Pro Beach Power Net
 - b. 32' x 39"
 - c. #42 knotted nylon outdoor netting
 - d. 22 oz. 4" tapes, top, bottom, and sides made with Triple UV / Mildew Protected vinyl to prevent fading and weather damage
 - e. Ultra Strong Stitching, UV and Mildew Resistant
 - f. Galvanized Steel Aircraft Cable top and bottom with protective clear vinyl coating, cables are 42 feet long
 - g. 1 1/8" maple wooden dowels
 - h. Triple reinforced netting attachment to side tapes for extra durability
 - i. 2 X – Braces to be included for additional net tension
 2. Netting Suppliers
 - a. Volleyball USA, (800) 494-3933,volleyballusa.com
 - b. Approved equal
- E. Volleyball Posts
 1. Posts/Poles
 - a. Bazooka Professional Outdoor Poles
 - b. 3 1/2" O.D. ultra stiff posts

- c. 12' galvanized steel poles
- d. High strength single unit hardware with stainless steel set screws and nuts
- e. Powder coated winch
- f. Single point adjustment capability
- g. Top and bottom internal drive caps
- h. Lockable winches to prevent vandalism and theft
- i. Posts to be permanently set in the ground

2. Posts Suppliers

- a. Volleyball USA, (800) 494-3933,volleyballusa.com
- b. Approved equal

F. Volleyball Antennas

1. Colored Ultra Velcro 2 Piece Volleyball Antenna Set

- a. Constructed of heavy strength 2" vinyl
- b. Each antenna sleeve has 96 in² of Velcro
- c. 2 piece 6' solid fiberglass antenna

2. Antenna Supplies

- a. Volleyball USA, (800) 494-3933,volleyballusa.com
- b. Approved equal

G. Pole Padding

1. Custom Printed Pole Padding

- a. 6'-6" tall standard height
- b. 2" Nylon Velcro straps stiches to vinyl
- c. Available in standards colors, to be chosen by owner
- d. Custom colors available, graphics to be chosen and provided by owner upon request

2. Pole Padding Suppliers

- a. Volleyball USA, (800) 494-3933,volleyballusa.com
- b. Approved equal

H. Multi Head and Foot Shower

1. Head and Foot Shower

- a. ADA compliant push valves
- b. Free Standing – 82" total height
- c. Meets all health code requirements
- d. ½" x 44" Risers
- e. Stainless Steel Shower Heads
- f. 3" x 60" stainless steel base
- g. 304 quality stainless steel
- h. Resistant to damage from chlorine and harsh weather conditions
- i. 1/2" standard water supply inlet and valves
- j. Chrome plated solid brass valves
- k. 9" diameter stainless steel base cover
- l. Carbon steel anchor bolts

2. Head and Foot Shower Suppliers
 - a. Volleyball USA, (800) 494-3933,volleyballusa.com
 - b. Approved equal

2.2 MISCELLANEOUS EQUIPMENT

A. Removable Ball Net System

1. General

a. Framing System

- 1) Manufacturer Contractor to submit sealed engineering drawings verifying footing and upright post diameters / sizes.

b. Height

- 1) As per the drawings [Use applicable]

2. Netting and Appurtenances

- a. 4" square mesh for behind soccer field (south end) and 1 3/4" square mesh for along softball outfield (east end)

- b. #36 Black nylon netting.

- c. Minimum Strength – 350 lbs

- d. Edge treatment: Hemmed with a 5/16 inch three strand twisted polyethylene rope spliced to the edge.

- e. Weather treatment – UV Treated Flexa black or approved netting and cord

- f. Cables, pulleys, accessories, etc., per drawing and manufacturers recommendations

3. Frame System Suppliers

- a. Sports Field Specialties (www.sportsfieldspecialties.com)

- b. Keeper Goals, (800) 594-5126, keepergoals.com

- c. West Coast Netting, Inc., www.westcoastnetting.com (888) 631-6387

- d. Burbank Sports Nets, (866) 349-0057

4. Netting Suppliers

- a. Sports Field Specialties (www.sportsfieldspecialties.com)

- b. Keeper Goals, (800) 594-5126, keepergoals.com

- c. Burbank Sports Nets, (866) 349-0057

- d. West Coast Netting, Inc., www.westcoastnetting.com (888) 631-6387

PART 3 - EXECUTION

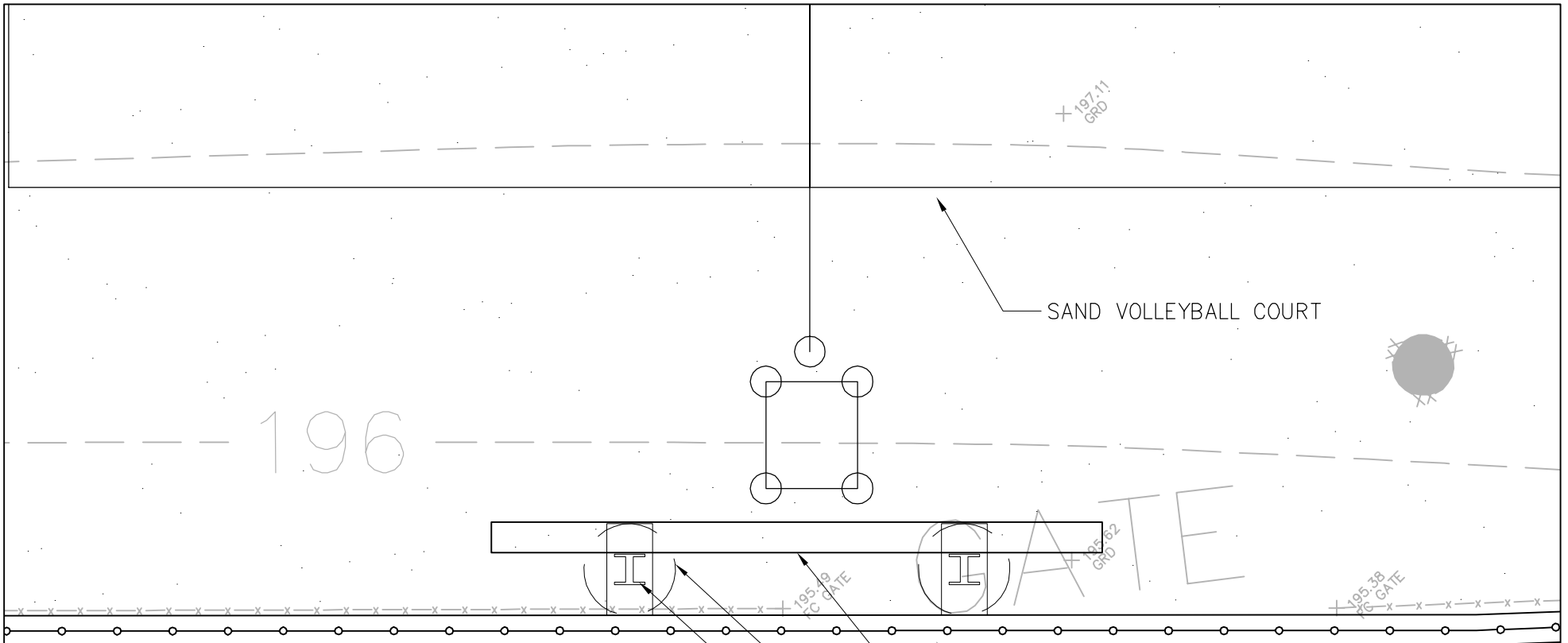
3.1 INSTALLATION

A. General: Install in accordance with manufacturers recommendations and approved shop drawings.

1. Removable Ball Net System

- a. Verify Installation of removable system in presence of the Owner.
- b. Install per manufacturers recommendations.

END OF SECTION



SAND VOLLEYBALL COURT

196

ELEVATED CONCRETE WALL

SCOREBOARD (NOT INCLUDED IN CONTRACT)

SCOREBOARD FOUNDATION

SCOREBOARD STEEL SUPPORT COLUMN

12
A6

12
A6

NOTE:

BASE BID CONTRACT TO INCLUDE SCOREBOARD FOUNDATIONS, STEEL SUPPORT COLUMNS AND POWER AND DATA CONNECTIONS ONLY. THE SCOREBOARD SHALL NOT BE INCLUDED IN THIS CONTRACT

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Main: (843) 692-3205 · www.chacompanies.com

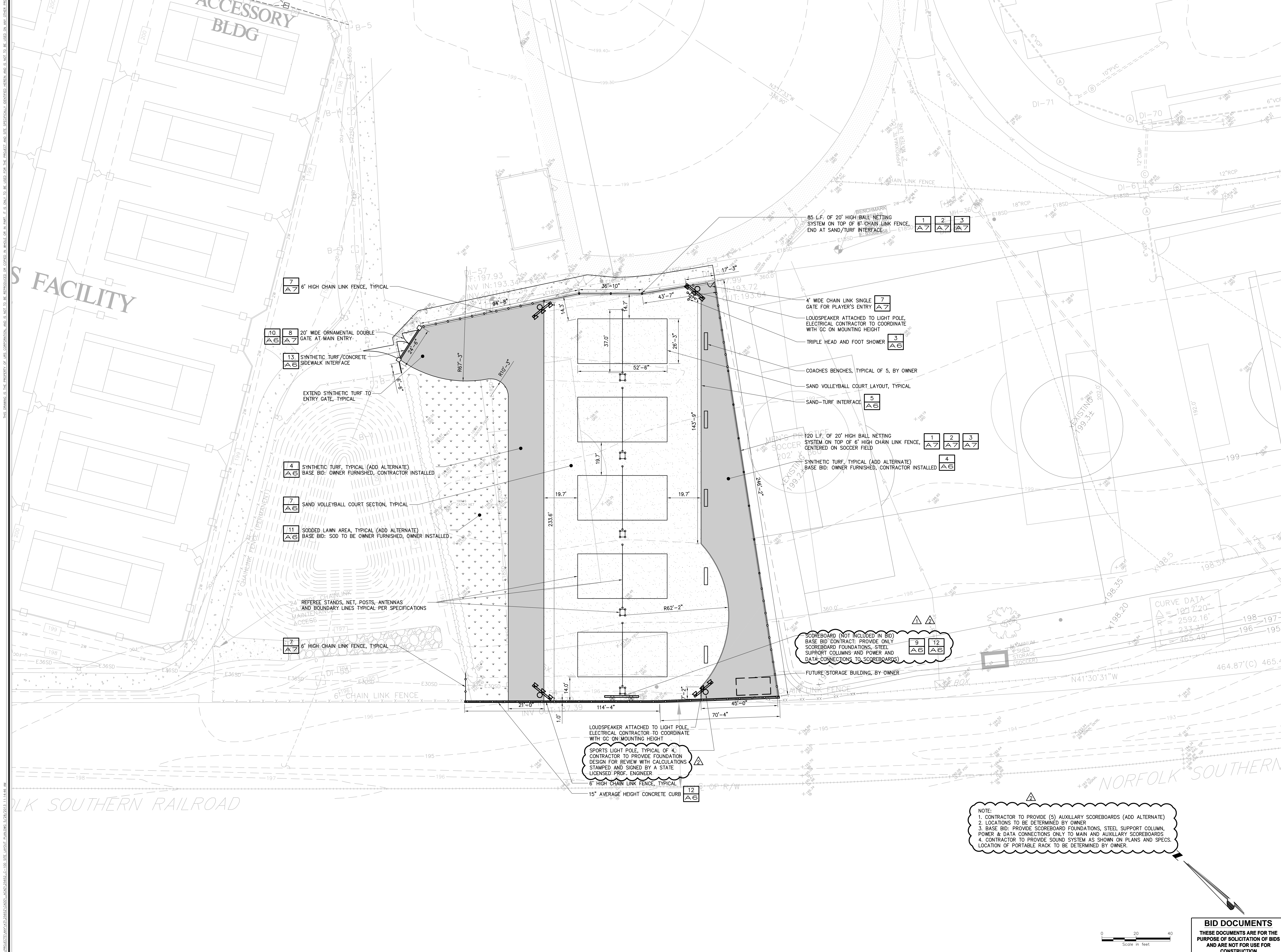
ATHLETIC VILLAGE SAND VOLLEYBALL COURT CONSTRUCTION
REVISED SCOREBOARD FOUNDATION LOCATION (PLAN VIEW)

PROJECT NO.
25652

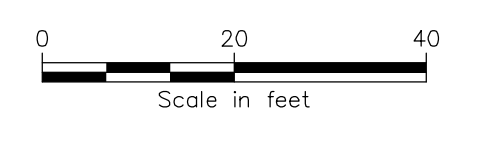
DATE: 5/28/13

SKC-1 REV 1

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NORFOLK SOUTHERN RAILROAD

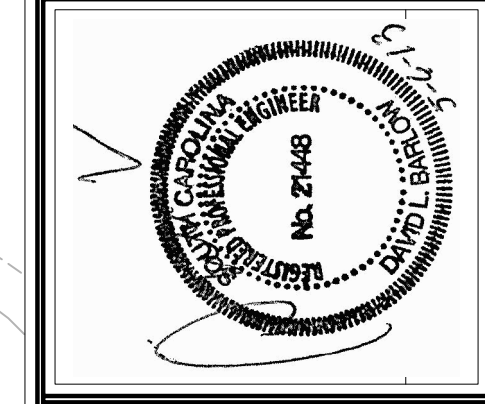
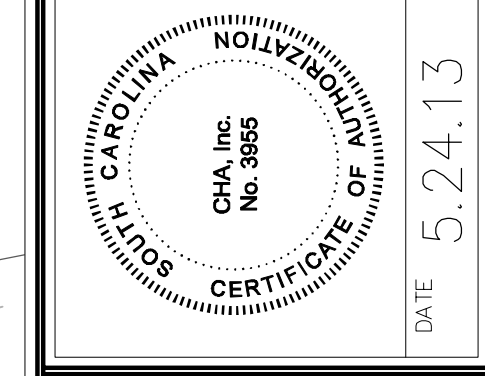


NOTE:
1. CONTRACTOR TO PROVIDE (5) AUXILIARY SCOREBOARDS (ADD ALTERNATE)
2. LOCATIONS TO BE DETERMINED BY OWNER
3. BASE BID: PROVIDE SCOREBOARD FOUNDATIONS, STEEL SUPPORT COLUMN, POWER & DATA CONNECTIONS ONLY TO MAIN AND AUXILIARY SCOREBOARDS
4. CONTRACTOR TO PROVIDE SOUND SYSTEM AS SHOWN ON PLANS AND SPECS. LOCATION OF PORTABLE RACK TO BE DETERMINED BY OWNER

BID DOCUMENTS
THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

NO.	DATE	BY	DESCRIPTION
1	5/29/13	JRP	ADDENDUM NO. 1
2	5/29/13	JRP	ADDENDUM NO. 2

APPROVALS	PROJECT ENG.	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
	JRP	JRP	JRP	JRP	DUB



CH2M HILL
1298 Professional Drive - Myrtle Beach, SC 29577-5886
Main: (843) 662-3205 www.ch2m.com

SITE LAYOUT PLAN - VOLLEYBALL
DATE: MAY 24, 2013 SCALE: AS SHOWN

ATHLETIC VILLAGE SAND VOLLEYBALL COURT CONSTRUCTION
FOR CONSTRUCTION DRAWINGS
IN THE CITY OF COLUMBIA RICHLAND COUNTY, S.C.

DWG. NAME	SHEET
N.B. NO.	A3
REF.	OF
PROJECT NO.	11
46422848	
FILE NO.	36,106-B90

