



URS

101 Research Drive
Columbia, SC 29203
Phone: (803) 254-4400
Fax: (803) 771-6676

Posted to USC Website

**RE: USC Upstate Street and Parking Lot Maintenance and Repairs
For the University of South Carolina
State Project No. H34-9544-JM-E
URS Project No. 46423272**

ADDENDUM NO. 1 – April 23, 2014

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:

GENERAL / CLARIFICATIONS

1. **Bid Location/Hand Delivery/Mail Address Change:** Bids are due to USC (Columbia) Campus Planning and Construction, 743 Greene Street, Columbia, SC 29208, Attn: Juaquana Brookins.
2. **Bid Closing Time Change:** Bids are due on 5/1/14 at 2:30 PM.
3. A non-mandatory pre-bid meeting was held on April 17, 2014. A list of attendees is attached.
4. Please ensure the following information is placed on the exterior of the bid envelope: Bid for USC Upstate Street and Parking Lot Maintenance and Repairs, Project No. H34-9544-JM-E.
5. All empty conduit installed shall have pull wires.
6. The chip seal improvements to the Access Road (large portion of Site D) have been removed from the project. The drainage and minor paving improvements in the area remain and are now a part of Site E.
7. All pavement markings shall be non-thermoplastic, single coat application.
8. Coordination of work will be required at Site G (Campus Life Service Road) for deliveries and Site F (American Way) for Facilities and National Guard staff access.
9. An SCDOT Encroachment Permit is in effect for the work at the intersection of Valley Falls Road and Site F (American Way). A copy of this permit is attached.
10. Excess top soil and asphalt millings shall remain the property of USC Upstate and shall be placed on-sit as directed by the owner.
11. USC Upstate will handle all permanent signage including providing and placement of new signs and removal and/or relocation of existing signs.
12. Asphalt pricing shall be fixed and will not be indexed.

SPECIFICATIONS

1. SECTION SE-330 – LUMP SUM BID FORM

Delete this section in its entirety and replace with the attached revised Section SE-330 – Lump Sum Bid Form.

DRAWINGS

1. Replace the original plan sheet(s) with the attached plan sheet(s) 1, 2, 3, 4, 5, 6, 7, and 8.

GENERAL QUESTIONS

1. **Question:** Is cement required to be added to the reclaimed asphalt pavement base material?

***Answer:** The quality of the existing materials will dictate the strength of the resultant pulverized material. Although it is envisioned that the resulting material will be adequate and that cement will not be required, it will be up to the contractor to determine what, if any, amounts of stabilizing agents (portland cement, fly ash, lime, asphalt emulsion, etc) are needed to achieve the owner's desired results.*

ATTACHMENTS

1. Revised Section SE330 – Lump Sum Bid Form.
2. Pre-bid sign-in attendance sheet.
3. SCDOT Encroachment Permit.
4. Revised plan sheets 1, 2, 3, 4, 5, 6, 7, and 8.

END OF ADDENDUM NO. 1

**SE-330 – LUMP SUM BID
BID FORM**

Bidders shall submit bids on only Bid Form SE-330.

BID SUBMITTED BY: _____

(Bidder's Name)

BID SUBMITTED TO: University of South Carolina

(Owner's Name)

FOR PROJECT: PROJECT NAME USC Upstate Street & Parking Lot Maintenance & Repairs

PROJECT NUMBER H34-9544-JM-E

OFFER

§ 1. In response to the Invitation for Construction Bids and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Owner on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to Section 11-35-3030(1) of the SC Code of Laws, as amended, Bidder has submitted Bid Security as follows in the amount and form required by the Bidding Documents:

- Bid Bond with Power of Attorney
- Electronic Bid Bond
- Cashier's Check

(Bidder check one)

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

ADDENDUM No: _____

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of 60 Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

§ 6.1 BASE BID WORK (as indicated in the Bidding Documents and generally described as follows): Provide labor and materials as required to perform site development work for the University of South Carolina. Work scope includes demolition, subgrade preparation, storm drainage, pavement reclamation, paving, striping, concrete curbing and sidewalks, etc. per the plans for Site F, Site G, and Site H.

_____, which sum is hereafter called the Base Bid.

(Bidder - insert Base Bid Amount on line above)

**SE-330 – LUMP SUM BID
BID FORM**

§ 6.2 BID ALTERNATES - as indicated in the Bidding Documents and generally described as follows:

ALTERNATE # 1 (*Brief Description*): Provide labor and materials as required to perform site development work for the University of South Carolina. Work scope includes demolition, subgrade preparation, storm drainage, pavement reclamation, paving, striping, concrete curbing and sidewalks, etc. per the plans for Site E.

ADD TO or **DEDUCT FROM BASE BID:** _____

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

ALTERNATE # 2 (*Brief Description*): N/A

ADD TO or **DEDUCT FROM BASE BID:** _____

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

ALTERNATE # 3 (*Brief Description*): N/A

ADD TO or **DEDUCT FROM BASE BID:** _____

(Bidder to Mark appropriate box to clearly indicate the price adjustment offered for each alternate)

SE-330 – LUMP SUM BID

BID FORM

§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED – (See Instructions on the following page BF-2A)

Bidder shall use the below-listed Subcontractors in the performance of the Subcontractor Specialty work listed:

SUBCONTRACTOR SPECIALTY By License Classification and/or Subclassification (Completed by Owner)	SUBCONTRACTOR'S PRIME CONTRACTOR'S NAME (Must be completed by Bidder) BASE BID	SUBCONTRACTOR'S PRIME CONTRACTOR'S SC LICENSE NUMBER
Not required		
ALTERNATE 1		
ALTERNATE 2		
ALTERNATE 3		

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

**SE-330 – LUMP SUM BID
BID FORM****INSTRUCTIONS FOR
SUBCONTRACTOR LISTING**

1. Section 7 of the Bid Form sets forth a list of subcontractor specialties for which bidder is required to identify by name the subcontractor(s) Bidder will use to perform the work of each listed specialty. Bidder must identify only the subcontractor(s) who will perform the work and no others.
2. For purposes of subcontractor listing, a Subcontractor is an entity who will perform work or render service to the prime contractor to or about the construction site. Material suppliers, manufacturers, and fabricators that will not perform physical work at the site of the project but will only supply materials or equipment to the bidder or proposed subcontractor(s) are not subcontractors and Bidder should not insert their names in the spaces provided on the bid form. Likewise, Bidder should not insert the names of sub-subcontractors in the spaces provided on the bid form but only the names of those entities with which bidder will contract directly.
3. Bidder must only insert the names of subcontractors who are qualified to perform the work of the listed specialties as specified in the Bidding Documents and South Carolina Licensing Laws.
4. If under the terms of the Bidding Documents, Bidder is qualified to perform the work of a specialty listed and Bidder does not intend to subcontract such work but to use Bidder's own employees to perform such work, the Bidder must insert its own name in the space provided for that specialty.
5. If Bidder intends to use multiple subcontractors to perform the work of a single specialty listing, Bidder must insert the name of each subcontractor Bidder will use, preferably separating the name of each by the word **“and”**. If Bidder intends to use both his own employees to perform a part of the work of a single specialty listing and to use one or more subcontractors to perform the remaining work for that specialty listing, bidder must insert his own name and the name of each subcontractor, preferably separating the name of each with the word **“and”**.
6. Bidder may not list subcontractors in the alternative nor in a form that may be reasonably construed at the time of bid opening as a listing in the alternative. A listing that requires subsequent explanation to determine whether or not it is a listing in the alternative is non-responsive. If bidder intends to use multiple entities to perform the work for a single specialty listing, bidder must clearly set forth on the bid form such intent. Bidder may accomplish this by simply inserting the word **“and”** between the name of each entity listed for that specialty. Owner will reject as non-responsive a listing that contains the names of multiple subcontractors separated by a blank space, the word **“or”**, a virgule (that is a /), or any separator that the Owner may reasonably interpret as a listing in the alternative.
7. If Bidder is awarded the contract, bidder must, except with the approval of the owner for good cause shown, use the listed entities to perform the work for which they are listed.
8. If bidder is awarded the contract, bidder will not be allowed to substitute another entity as subcontractor in place of a subcontractor listed in Section 7 of the Bid except for one or more of the reasons allowed by the SC Code of Laws.
9. Bidder's failure to insert a name for each listed specialty subcontractor will render the Bid non-responsive.

**SE-330 – LUMP SUM BID
BID FORM**

§ 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE (FOR INFORMATION ONLY): Pursuant to instructions in the Invitation for Bids, if any, Bidder will provide to Owner upon the Owner’s request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code Ann § 11-35-3020(b)(i).

§ 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES

a. **CONTRACT TIME:** Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Owner. Bidder agrees to substantially complete the Work within **85** calendar days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

b. **LIQUIDATED DAMAGES:** Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the sum of **\$250.00** for each calendar day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This sum is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

§ 10. AGREEMENTS

- a. Bidder agrees that this bid is subject to the requirements of the law of the State of South Carolina.
- b. Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.
- c. Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

§ 11. ELECTRONIC BID BOND

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, included in the Bidding Documents.

Electronic Bid Bond Number: _____

Signature and Title: _____

**SE-330 – LUMP SUM BID
BID FORM**

BIDDER'S TAXPAYER IDENTIFICATION

FEDERAL EMPLOYER'S IDENTIFICATION NUMBER: _____

OR

SOCIAL SECURITY NUMBER: _____

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATIONS

Classification(s) & Limits: _____

Subclassification(s) & Limits: _____

SC Contractor's License Number(s): _____

BY SIGNING THIS BID, THE PERSON SIGNING REAFFIRMS ALL REPRESENTATIONS AND CERTIFICATIONS MADE BY BOTH THE PERSON SIGNING AND THE BIDDER, INCLUDING WITHOUT LIMITATION, THOSE APPEARING IN ARTICLE 2 OF THE INSTRUCTIONS TO BIDDER. THE INVITATION FOR BIDS, AS DEFINED IN THE INSTRUCTIONS TO BIDDERS, IS EXPRESSLY INCORPORATE BY REFERENCE.

SIGNATURE

BIDDER'S LEGAL NAME: _____

ADDRESS: _____

BY: _____
(Signature)

DATE: _____

TITLE: _____

TELEPHONE: _____

EMAIL: _____

University of South Carolina - Upstate
Spartanburg, South Carolina

Project Name: USC Upstate Street & Parking Lot Maintenance & Repairs
 Project Number: H34-9544-JM-E
 Pre Bid Date & Time: April 17, 2014 @ 11 am

Name	Company Name	Address	Phone #	Email
RICK PUNCKER	usc upstate	800 Univ. Way SPT 29303	864-503-5500	rpuncke@uscupstate.edu
BRYAN THOMAS	UPS CORP.	101 ROBERTAL CT COLUMBIA, SC 29203	803.254.4400	BRYAN.THOMAS@UPS.COM
BEN COONROD	USC	743 GREENE ST COLUMBIA, SC	803. 560.5386	bcoonrod@fmc.sc.edu
CARLOS CONCEPCION	TRENER ASPHALT	4724 STATESVILLE RD CHARLOTTE NC 28269	704-620-3888	CARLOS@TRENERASPHALT.COM
KENT BEETH	EARTH MATERIALS GARDINER	426 BREAST RD ANDERSON S.C. 29621	864 296 4488	earthmaterials@gmail.com
Mark Nye	Ashmore Bros., Inc.	PO Box 529 Greer, SC 29652	864-679-7311	MYNE@ASHMOREBROS.COM
Rusty Bannette	Panagakos Asphalt	PO Box 25187 Greenville	(864) 277-7960	rushy@panagakospaving.com
FRED SCOTT	usc upstate	800 UNIV. WAY SPARTANBURG	(864) 503-5500	FSCOTT@USCUPSTATE.EDU
DEVO WHITE	Capital Const.	204 RALS GATEWAY SPART. SC. 29584	864 949 1407	DEVO@CAPITALCONSTRUCTION.US

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
Encroachment Permit**

Permit No : 167525
Permit Decision Date : 4/8/2014
Expiration Date : 4/8/2015
8:18:37 AM

Type

Permit : RESURFACING

Location:

<u>District</u>	<u>Work County</u>	<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>
3	Spartanburg	US	176	None	21.086	21.086

Contact Information

Applicant: USCUpstate
(coURSCorporation) Phone: 8645035500

Contact: Bryan Thomas, URS 803-254-
4400

Address: 800 University Way,
City: Spartanburg State: SC Zip: 29303

Comments

American Way intersection is located on the USC Upstate campus approximately 470 LF south of Fine Road and approximately 1,470 LF north of North Campus Blvd.

Special Provisions:

- 9999 - See Attached for Additional Special Provisions
- 0001 - THE ENTIRE WIDTH OF ROAD SHALL BE RESURFACED AS SHOWN ON ATTACHED DOCUMENTATION.
- 0002 - ALL REPAVING IS TO CONFORM TO STANDARD DEPARTMENT SPECIFICATIONS. THE ROAD, AT DROP INLETS, SHALL BE MILLED TO MAKE A SMOOTH TRANSITION WHEN PAVED. PAVEMENT WITH CURB AND/OR SIDEWALK WILL BE PAVED FULL DEPTH FROM OUTER EDGE TO GUTTER EDGE.
- 0003 - WHEN ROADS ARE RESURFACED, SHOULDERS SHALL BE REGRADED TO THE EDGE OF PAVEMENT TO CONFORM TO THE DEPARTMENT SPECIFICATIONS.
- 0004 - SCDOT SHALL BE NOTIFIED WHEN WORK DEFINED IN THE PERMIT STARTS AS WELL AS WHEN THE WORK IS COMPLETED. REFERENCE SHALL BE MADE BY PERMIT NUMBER.
- 0120 - RESTORATION OF PAVEMENT, SHOULDERS, DITCHES, ETC., TO BE PERFORMED AS SOON AS POSSIBLE AFTER CONSTRUCTION, OR SCHEDULED SO THAT THE CONSTRUCTION IS NO FURTHER THAN 2,000 L.F. AHEAD OF COMPLETE RESTORATION.
- 0117 - OPEN TRENCHES SHALL BE COVERED WITH METAL PLATES WHEN THE

PAVEMENT CANNOT BE RESTORED THE SAME DAY. PLATES SHALL BE MONITORED PERIODICALLY TO ENSURE THAT THE TRENCH IS PROPERLY COVERED.

0119 - INSTALLATION TO BE MADE BY THE WET OR DRY BORE METHOD IN SUCH A MANNER AS NOT TO DISTURB EXISTING PAVEMENT.

0125 - ALL CROSSLINE PIPES ARE TO BE LOCATED AND FLAGGED PRIOR TO BEGINNING OPERATION.

0202 - PAVEMENT DESIGN SHALL BE AS SHOWN ON ATTACHED DOCUMENTATION

0304 - PAVEMENT MARKINGS ALTERED DURING THIS INSTALLATION SHALL BE RESTORED BY THE APPLICANT.

0306 - TRAFFIC CONTROL, LIGHTS, SIGNS AND FLAG-MEN WILL BE FURNISHED BY APPLICANT AND WILL CONFORM TO PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

0311 - SEDIMENT AND EROSION CONTROL DEVICES SHALL BE USED TO MINIMIZE THE MOVEMENT OF SEDIMENT.

Application for Encroachment Permit

S.C. Department of Transportation
Form 637 (Rev 05/2013)

App # 8500

Form Use Instructions

Contact Information

Applicant:

USC Upstate (c/o URS Corporation)

Street:

800 University Way

City:

Spartanburg

State:

SC



Zip Code:

29303

Phone:

(864) 503-5500

Fax:

(864) 503-5542

Email:

bryan.thomas@urs.com

Contact:

Bryan Thomas, URS 803-254-4400

Project Location

Primary County: Spartanburg



Street Finder

County	Road Name/Route	
Spartanburg	VALLEY FALLS ROAD	Delete
<input type="button" value="Add Road"/>		

1. Type of Encroachment: RESURFACING



Pavement rehabilitation and resurfacing of American Way.

2. Description of Location:

American Way intersection is located on the USC Upstate campus approximately 470 LF south of Fine Road and approximately 1,470 LF north of North Campus Blvd.

(Attach sketch indicating roadway features such as: pavement width, shoulder width, sidewalk and curb and gutter location, significant drainage structure, north arrow, right of way width, and location of the proposed encroachment with respect to the roadway centerline and the nearest intersecting road on the State system.)

3. The undersigned applicant hereby requests the SCDOT to permit encroachment

on the SCDOT right of way as described herein. It is expressly understood that the encroachment, if and when constructed, shall be installed in accordance

The encroachment, if and when constructed, shall be installed in accordance with the sketch attached hereto and made a part hereof.

The applicant agrees to comply with and be bound by the SCDOT's "A Policy for Accommodating Utilities on Highways Rights of way", "Standard Specifications for Highway Construction", the "General Provisions" and "Special Provisions", attached hereto or made a part hereof by reference, during the installation, operation and maintenance of said encroachment within the SCDOT's Right of Way.

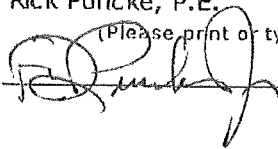
DISCHARGES OF STORM WATER AND NON-STORM WATER: Work within State Highway right-of-way shall be conducted in compliance with all applicable requirements of the National Pollutant Discharge Elimination System (NPDES) permit(s) issued to the Department of Transportation (Department), to govern the discharge of storm water and non-storm water from its properties. Work shall also be in compliance with all other applicable Federal, State and Local laws and regulations, and with the Department's Encroachment Permits Manual and encroachment permit. The encroachment permit will not be issued until the applicant has received an NPDES construction permit from SC Department of Health and Environmental Control.

The applicant agrees to comply with all current SCDOT Standards Specifications for Highway Construction including all Supplemental Technical Specifications. The applicant hereby further agrees, and binds his/her/its heirs, personal representatives, successors, assigns, to assume any and all liability for accidents or injuries to persons, or damage to property, including the highway, that may be caused by the construction, maintenance, use, moving or removing of the physical appurtenances contemplated herein, and the applicant agrees to indemnify and hold SCDOT harmless from and against any and all claims for personal injury and/or property damage which may be sustained by person by reason of the construction, maintenance or existence of said encroachment on the SCDOT's right of way.

Applicant's Name: Rick Puncke, P.E.

Date: 3/31/2014

(Please print or type)

Applicant's Sig: 

Title: Dir. of Facilities Management

For Office Use Only

In accordance with your request and subject to all the provisions, terms, conditions, and restrictions stated in the application and the general and special provisions attached hereto, the SCDOT hereby approves your application for an encroachment permit. This permit shall become null and void unless the work contemplated herein shall have been completed prior to:

See Attached Special Provision and/or Permit Requirements

NPDES Permit
Nbr:

(Date received by Res. Maint. Engr.)


(SCDOT Approval)

4-7-14
(Date)

Resident Maintenance Engineer

Deputy Secretary for Engineering

District Engineering Administrator

District Maint./Constr. Engineer

Submit

Save and Close

Application for Encroachment Permit General Provisions

1. **DEFINITIONS:** The word "Permittee" used herein shall mean the name of the person, firm, or corporation to whom this permit is addressed, his, her, its, heirs, personal representatives, successors and assigns. The word "DEPARTMENT" shall mean the South Carolina Department of Transportation.
2. **NOTICE PRIOR TO STARTING WORK:** Before starting the work contemplated herein within the limits of the highway right of way, the Department's Resident Maintenance Engineer in the county in which the proposed work is located shall be notified 24 hours in advance so that he may be present while the work is under way.
3. **PERMIT SUBJECT TO INSPECTION:** This permit shall be kept at the site of the work at all times while said work is under way and must be shown to any representative of the Department or law enforcement officer on demand.
4. **PROTECTION OF HIGHWAY TRAFFIC:** The applicant shall be responsible for the protection of the highway traffic at all times during the construction, maintenance, removing or moving of the encroachment permitted herein. Detours, barricades, warning signs and flagmen, as necessary, shall be provided by and at the expense of the Permittee and shall be in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD). The work shall be planned and carried out so that there will be the least possible inconvenience to the motoring public. The Permittee agrees to observe all rules and regulations of the Department while carrying on the work contemplated herein and take all other precautions that circumstances warrant.
5. **STANDARDS OF CONSTRUCTION:** All work shall conform to the Department's standards of construction and shall be performed in a workman-like manner. The applicant shall make adequate provisions for maintaining the proper drainage of the highway as it may be affected by the encroachment permitted herein. All work shall be subject to the supervision and satisfaction of the Department.
6. **FUTURE MOVING OF PHYSICAL APPURTENANCES:** If, in the opinion of the State Highway Engineer, it should ever become necessary to move or remove the physical appurtenances, or any part thereof contemplated herein, on account of change in location of the highway, widening of the highway, or for any other sufficient reason, such moving shall be done on demand of the Department at the expense of the Permittee.
7. **RESTORATION OF HIGHWAY FACILITIES UPON MOVING OR REMOVING OF PHYSICAL APPURTENANCES:** If, and when, the physical appurtenances contemplated herein shall be moved or removed, either on the demand of the Department or at the option of the Permittee, the highway and facilities shall immediately be restored to their original condition at the expense of the Permittee.
8. **COSTS:** All work in connection with the construction, maintenance, moving or removing of the physical appurtenances contemplated herein shall be done by and at the expense of the Permittee.
9. **ADDITIONAL PERMISSIONS:**
 - (a) It is distinctly understood that this permit does not in any way grant or release any rights lawfully possessed by the abutting property owners. The

release any rights lawfully possessed by the abutting property owners. The Permittee shall secure any such rights, as necessary, from said abutting property owners.

- (b) The Permittee shall be responsible for obtaining all other approvals or permits necessary for installation of the encroachment from other government entities.
- (c) There shall be no excavation of soil nearer than two feet to any public utility line or appurtenant facility except with the consent of the owner thereof, or except upon special permission of this Department after an opportunity to be heard is given the owner of such line or appurtenant facility.

10. ADDITIONAL WORK PERFORMANCE:

- (a) All crossings over the highway shall be constructed in accordance with "Specifications for Overhead Crossings of Light and Power Transmission Lines and Telegraph Lines over each other and over Highway Rights of Way in South Carolina," as approved by the Public Service Commission of South Carolina and effective as of date of this permit.
- (b) All tunneling, boring, or jacking shall be done in such a way as not to disturb the highway surfacing.
- (c) No pavement shall be cut unless specifically authorized herein.
- (d) No excavation shall be nearer than three feet to the edge of pavement unless specifically authorized herein.
- (e) Underground facilities will be located at minimum depths as defined in the "Utility Accommodations Manual" for the transmittant, generally as follows: 4 feet minimum for hazardous or dangerous transmittant, 3 feet minimum for other lines. The Department may approve shallower depths if adequate protection is provided. Such approval must be obtained in writing.
- (f) Service and other small diameter pipes shall be jacked, driven, or otherwise forced underneath the pavements on any surfaced road without disturbing the pavement. The section under the highway pavement and within a distance of three (3) feet on either side shall be continuous without joints.

11. ACCESS:

- (a) Permittee is responsible for maintaining reasonable access to private driveways during construction.
- (b) It is expressly provided that, with respect to any limited access highway, the Permittee shall not have or gain access from the main traveled way of the highway, or the on or off ramps to such facility, except upon approval by the Department.

12. DRIVEWAYS:

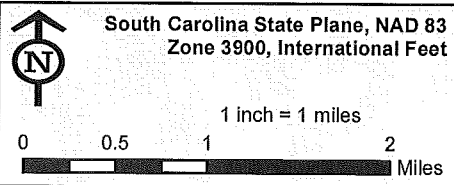
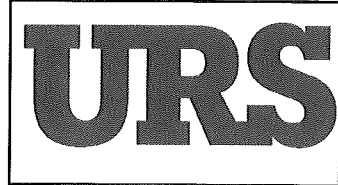
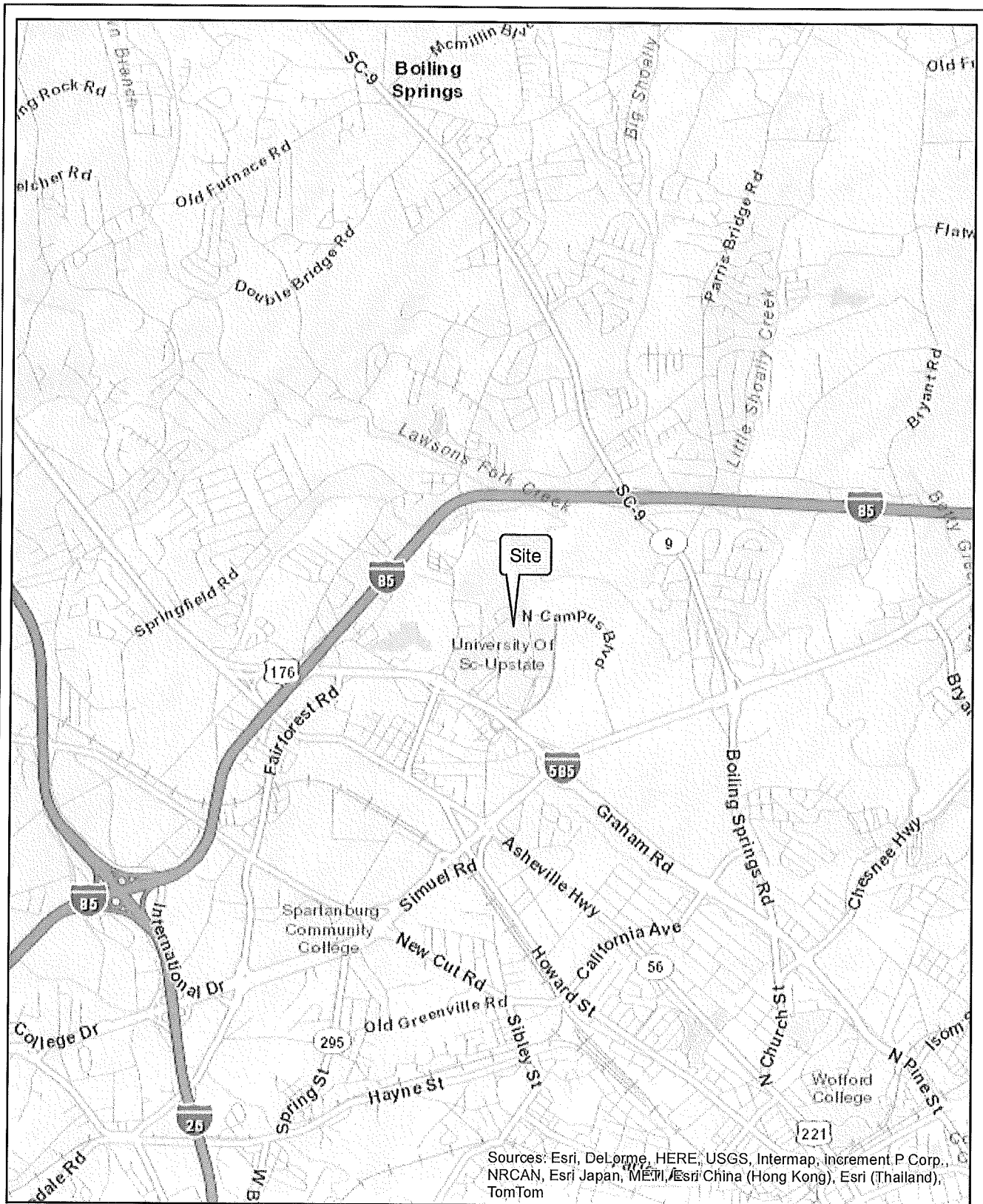
- (a) The existing crown of the highway shall be continued to the outside shoulder line of the highway.
- (b) If the driveway or approach is concrete pavement, the pavement shall be constructed at least 6 inches thick and with a minimum of class 2500 concrete. There shall be a bituminous expansion joint, not less than 3/4 inches in thickness, placed between the highway paving and the paving of the approach for the full width of the approach.

13. BEAUTIFICATION:

- (a) All trees, plants, flowers, etc. shall be placed in accordance with the provisions specifically stipulated herein.
- (b) All trees, plants, flowers, etc. shall be maintained by, and at the expense of, the Permittee and the provisions of this permit shall become null and void, if and when said Permittee ceases to maintain aid trees, plants, flowers, etc.

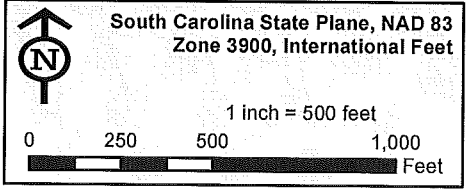
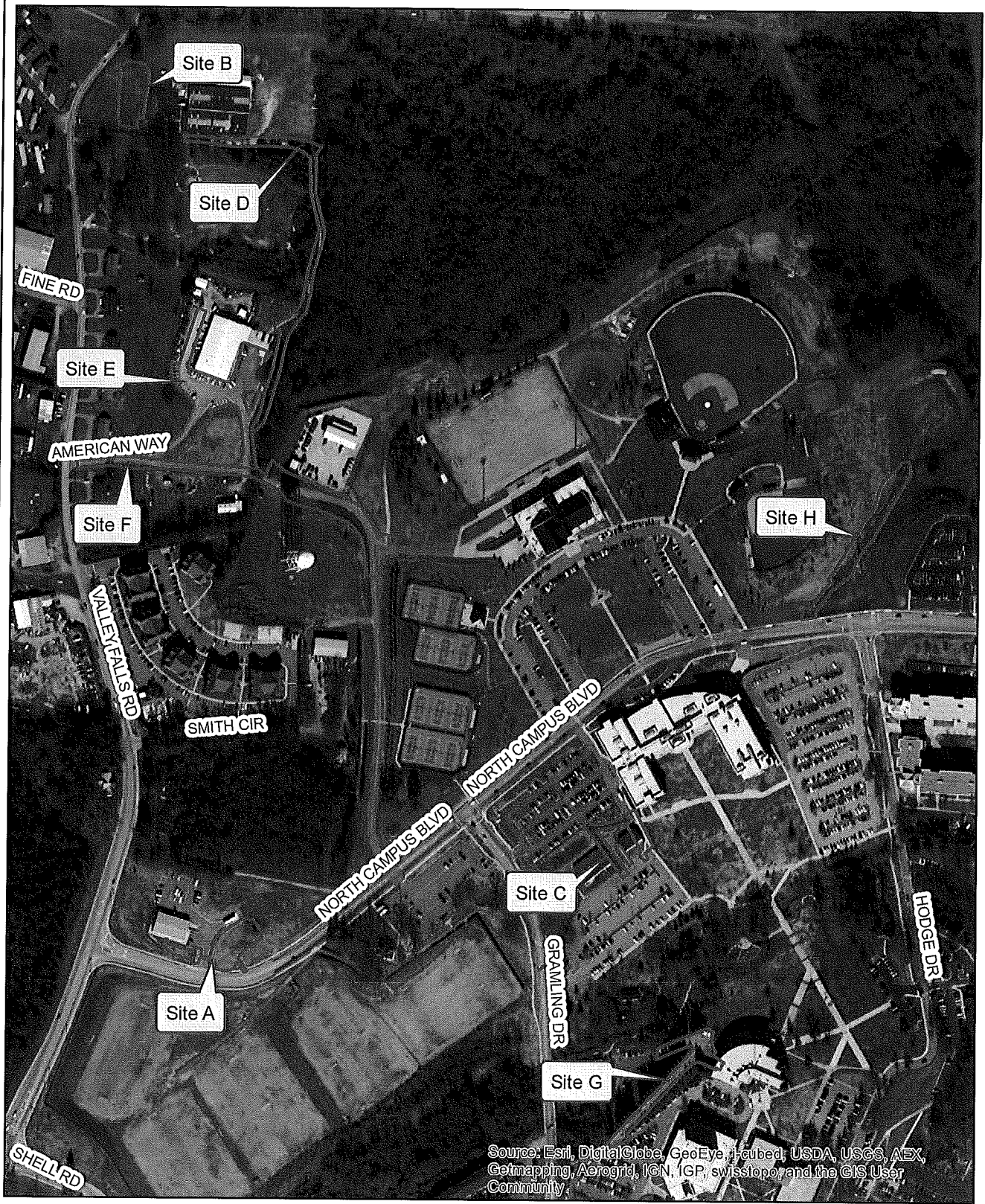
14. AS-BUILT PLANS:

- (a) The applicant shall provide the Department with survey-quality as-built plans in accordance with the requirements set forth in the Department's "A Policy for Accommodating Utilities on Highway Rights of Way".



Site Location Map

**USC Upstate
Parking Improvements & Repairs
Spartanburg County
South Carolina**



Aerial Map

USC Upstate
Parking Improvements & Repairs
Spartanburg County
South Carolina



April 2, 2014

SCDOT
Spartanburg County
Resident Maintenance Engineer
P.O. Box 5706
Spartanburg, SC 29304

RE: USC Upstate Parking
Improvements and Repairs
Encroachment Permit Submittal
URS Project No. 46423271/46423272

To Whom It May Concern:

On behalf of The University of South Carolina Upstate Campus, URS is pleased to submit the attached SCDOT Encroachment Permit package. USC Upstate is proposing to construct site improvements and repairs within the campus limits in Spartanburg, SC. The site improvements and repairs include the construction of parking lots, driveways, installation of storm drainage pipes and structures, pavement rehabilitation and repairs to existing roadways and parking lots, and grading of drainage swales and ditch improvements at various sites located within the USC Upstate campus. A portion of the pavement rehabilitation and resurfacing along American Way will encroach on SCDOT right-of-way at the intersection with Valley Falls Road (S-42-79). We respectfully request approval to construct these improvements within the SCDOT right-of-way.

We trust that this information is to your satisfaction and we look forward to your review and approval. Should you have any questions or comments, or require additional information, please do not hesitate to contact me at (803) 254-4400 or matt.jennings@urs.com.

Very truly yours,

URS Corporation

Matt Jennings, P.E.
Project Engineer

Enclosures

Cc: Mr. Rick Puncke, P.E., Director of Facilities Management-USC Upstate (via email w/o enclosures)
Mr. Bryan E. Thomas, P.E., Project Manager, URS Corporation

URS Corporation
101 Research Drive
Columbia, SC 29203
Tel: 803.254.4400
Fax: 803.771.6676

Encroachment permit application checklist

Permit Form: The completed form is required.

Drawing: Give details of the proposed work and existing conditions and including, but not limited to, the following:

- ✓ • Roadway on which the encroachment is located
- ✓ • Direction and distance to the nearest intersecting State and county roadways, if applicable (information on application)
- ✓ • North arrow
- ✓ • Drawing to be to scale. For example, 1in = 20ft (1:240), 1in = 50ft (1:600), etc.
- ✓ • Existing and proposed roadway geometry including pavement widths, curves, driveways, etc.
- ✓ • Existing and proposed pavement design, if applicable
- ✓ • Existing and proposed drainage features with flow direction
- ✓ • Existing right-of-way and associated property lines
 - Existing sight distance, if applicable N/A
 - Existing and proposed structures, if applicable N/A
 - Proposed utility work N/A
- ✓ • Traffic Control Plan, if applicable
 - Erosion control N/A

Note: If submitting a hardcopy application, drawing should be submitted on 8 1/2in x 11in [or 11in x 17in] size paper. A 36in x 22in site plan showing the relationship of the driveways to the circulation plan and the site development may be required. When readily available, a 36in x 22in site plan should be submitted initially to facilitate review of the application.

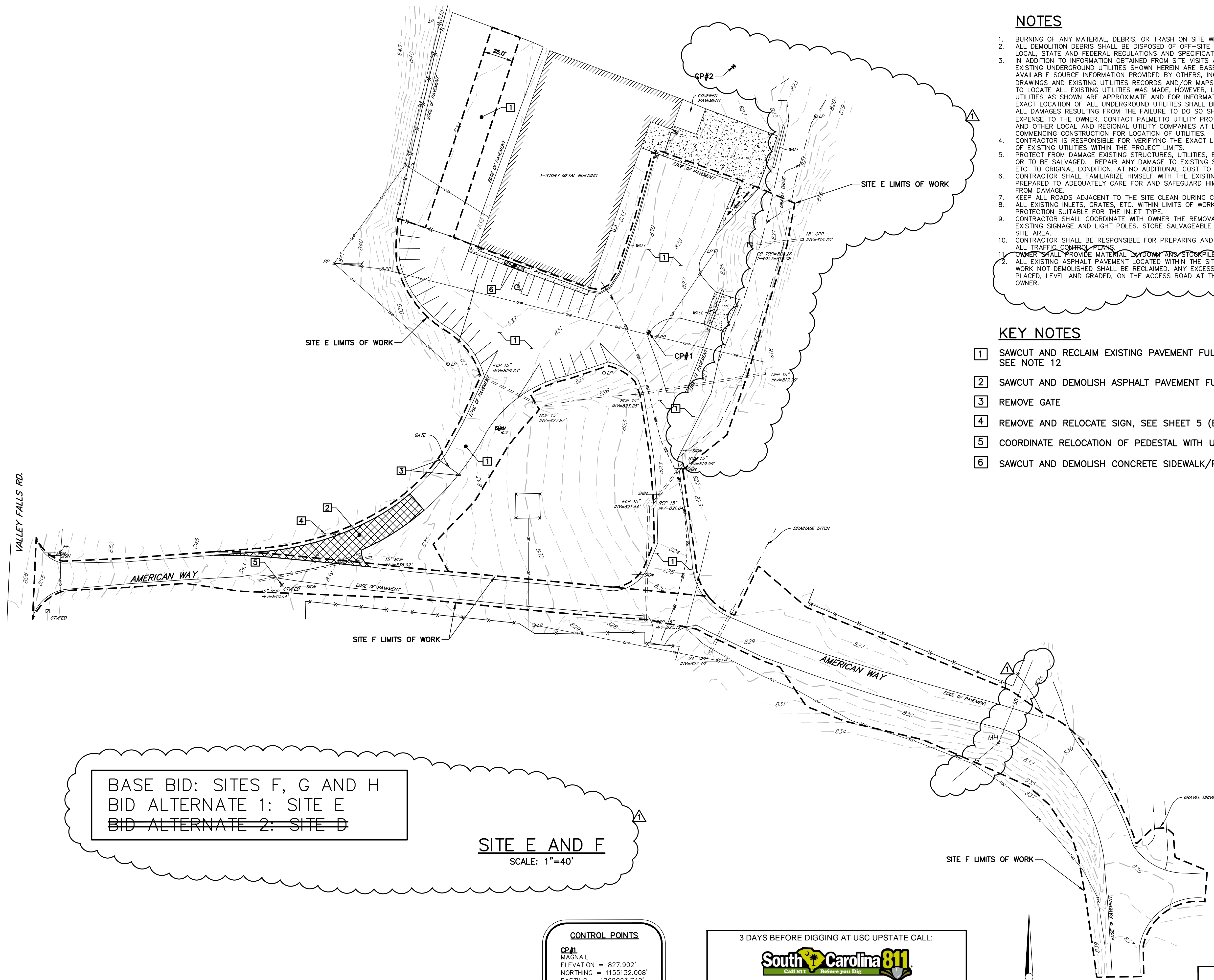
All Drawings Must Be To Scale!

Proof of Bonding: Evidence of any required bond must accompany the permit application.

Storm Water Management and Sediment Control Plan: All applications for encroachment permits that involve bringing storm water runoff or sediment to the highway for a developed area of 2 acres or more must include a copy of a Storm Water Management and Sediment Control Plan approved by DHEC, the local government, or the conservation district responsible for approving such plans pursuant to The Storm Water Management and Sediment Reduction Act. See S. C. Code Ann. Section 4814-10, et seq. (Supp. 1995). The plan should include drainage design computations. If the area is less than 2 acres, the application must include a drainage plan with supporting design computations limiting the post construction 10-year peak discharge to the pre-developed 10-year peak.

Bridges, Culverts, Retaining Walls or other Significant Structures: All applications for encroachment permits that involve these types of structures must include a signed and sealed copy of the Geotechnical Report, Hydrology Report, Construction Plans and Documents, and Structural Design Calculations as outlined in Chapter 12 of the Access and Roadside Management Standards Access and Roadside Management Standards (ARMS).

THIS DRAWING IS THE PROPERTY OF URS CORPORATION, AND IS NOT TO BE REPRODUCED OR COPIED IN WHOLE OR IN PART. IT IS ONLY TO BE USED FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN AND IS NOT TO BE USED ON ANY OTHER PROJECT.
 URS PROJECTS \46423272\DRAWINGS\02 DRAWINGS\SHEETS\02-54-46423272_0201.DWG 4/22/2014 11:50:10 AM



BASE BID: SITES F, G AND H
 BID ALTERNATE 1: SITE E
~~BID ALTERNATE 2: SITE D~~

SITE E AND F
 SCALE: 1"=40'

CONTROL POINTS

CP#1
 WAGNAIL
 ELEVATION = 827.902'
 NORTHING = 1155132.008'
 EASTING = 1708023.740'

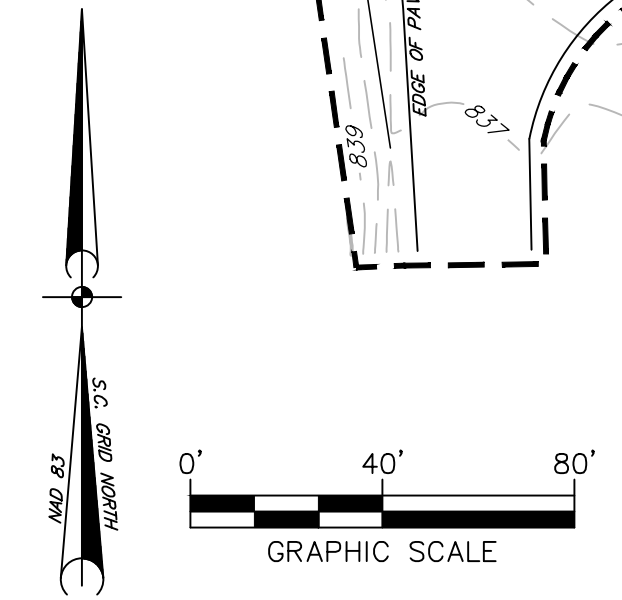
CP#2
 HUBNAIL
 ELEVATION = 827.869'
 NORTHING = 1155355.947'
 EASTING = 1708095.267'

3 DAYS BEFORE DIGGING AT USC UPSTATE CALL:


 Call 811 Before you Dig

1. PALMETTO UTILITY PROTECTION SERVICE, INC. (PUPS)
 2. METRO WATER: 1-864-503-0822

ALL UTILITIES MAY NOT BE A MEMBER OF PUPS. COORDINATE WITH LOCAL UTILITY COMPANIES FOR MARKING OF THEIR UTILITIES ALSO.



NOTES

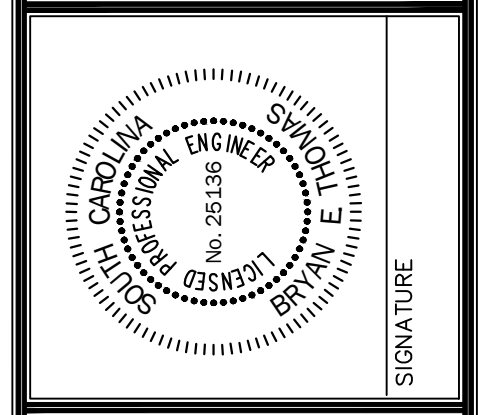
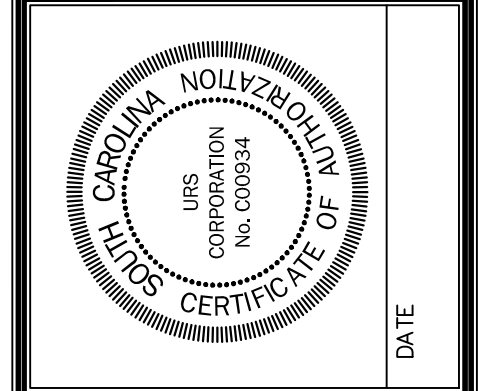
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2. ALL DEMOLITION DEBRIS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND SPECIFICATIONS, LATEST REVISION.
3. IN ADDITION TO INFORMATION OBTAINED FROM SITE VISITS AND A FIELD SURVEY, THE EXISTING UNDERGROUND UTILITIES SHOWN HEREIN ARE BASED ON A COMBINATION OF AVAILABLE SOURCE INFORMATION PROVIDED BY OTHERS, INCLUDING AS-BUILT DRAWINGS AND EXISTING UTILITIES RECORDS AND/OR MAPS. A CONCERTED EFFORT TO LOCATE ALL EXISTING UTILITIES WAS MADE, HOWEVER, LOCATION OF UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED AND ANY AND ALL DAMAGES RESULTING FROM THE FAILURE TO DO SO SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER. CONTACT PALMETTO UTILITY PROTECTION SERVICE (PUPS) AND OTHER LOCAL AND REGIONAL UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION FOR LOCATION OF UTILITIES.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES WITHIN THE PROJECT LIMITS.
5. PROTECT FROM DAMAGE EXISTING STRUCTURES, UTILITIES, ETC. THAT ARE TO REMAIN OR TO BE SALVAGED. REPAIR ANY DAMAGE TO EXISTING STRUCTURES, UTILITIES, ETC. TO ORIGINAL CONDITION, AT NO ADDITIONAL COST TO THE OWNER.
6. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BE PREPARED TO ADEQUATELY CARE FOR AND SAFEGUARD HIMSELF AND THE OWNER FROM DAMAGE.
7. KEEP ALL ROADS ADJACENT TO THE SITE CLEAN DURING CONSTRUCTION.
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9. CONTRACTOR SHALL COORDINATE WITH OWNER THE REMOVAL AND OR RELOCATION OF EXISTING SIGNAGE AND LIGHT POLES. STORE SALVAGEABLE EQUIPMENT ON APPROVED SITE AREA.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND OBTAINING APPROVAL OF ALL TRAFFIC CONTROL PLANS.
11. OWNER SHALL PROVIDE MATERIAL LAYDOWNS AND STOCKPILE AREAS ON CAMPS.
12. ALL EXISTING ASPHALT PAVEMENT LOCATED WITHIN THE SITE E AND F LIMITS OF WORK NOT DEMOLISHED SHALL BE RECLAIMED. ANY EXCESS MILLINGS SHALL BE PLACED, LEVEL AND GRADED, ON THE ACCESS ROAD AT THE DISCRETION OF THE OWNER.


KEY NOTES

- 1 SAWCUT AND RECLAIM EXISTING PAVEMENT FULL DEPTH. SEE NOTE 12
- 2 SAWCUT AND DEMOLISH ASPHALT PAVEMENT FULL DEPTH
- 3 REMOVE GATE
- 4 REMOVE AND RELOCATE SIGN, SEE SHEET 5 (BY OWNER)
- 5 COORDINATE RELOCATION OF PEDESTAL WITH UTILITY PROVIDER
- 6 SAWCUT AND DEMOLISH CONCRETE SIDEWALK/PAVEMENT

REVISIONS		DATE	BY
NO.	DESCRIPTION		
1	ADDENDUM No. 1	4/23/14	EHM

APPROVALS		DATE	BY
PROJECT ENG.	DESIGNED BY:		
MDL	DRAWN BY:		
MDL	CHECKED BY:		
MDL	APPROVED:		



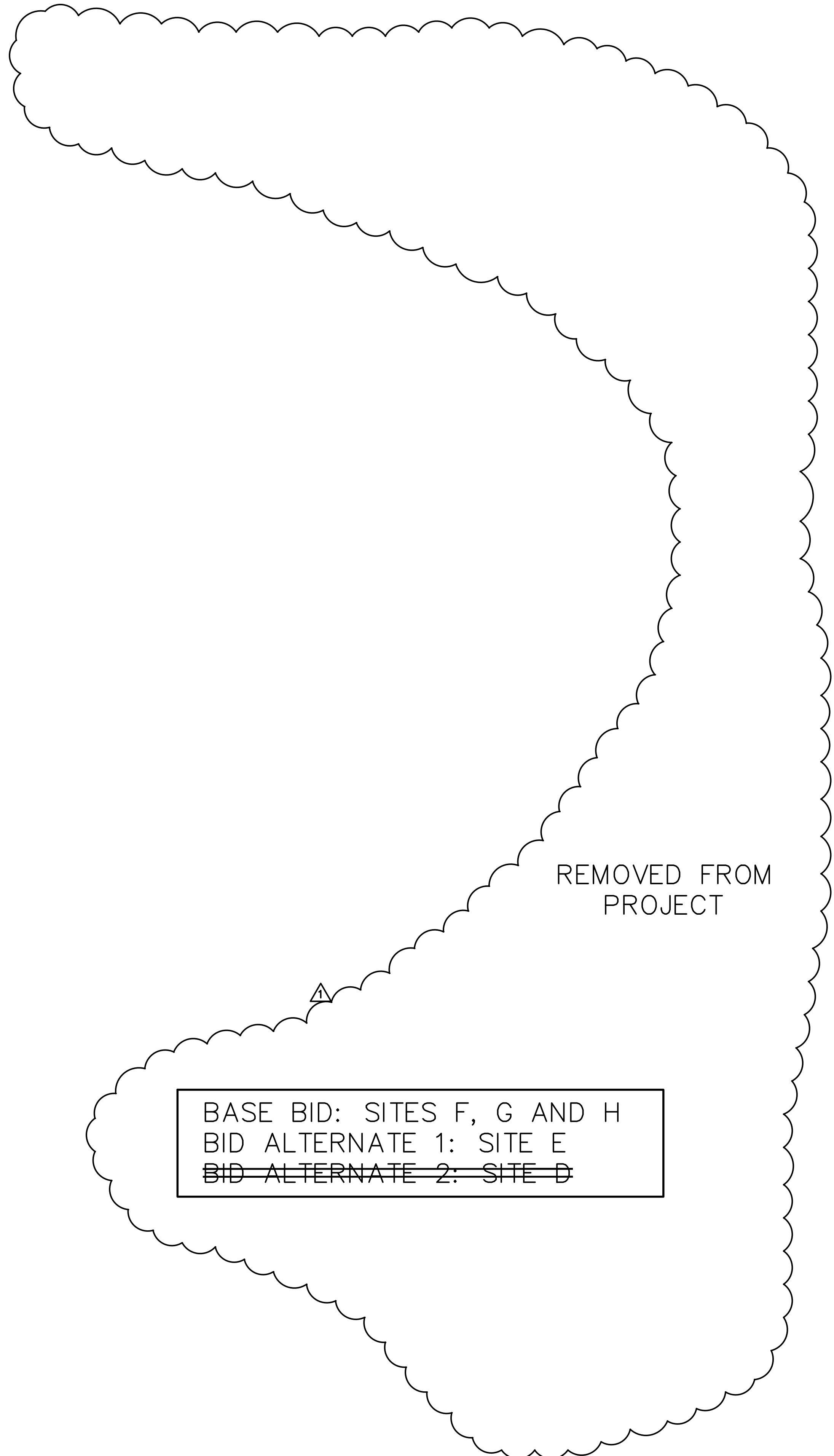

URS
 101 Research Drive
 Columbia, South Carolina 29203
 Telephone (803) 254-4400 : Fax (803) 771-6676
 www.URSCorp.com

**EXISTING CONDITIONS
 AND DEMOLITION PLAN**
 SITE E AND F
 DATE: MARCH 27, 2014 | SCALE: 1"=40'

PROJECT
**USC UPSTATE
 STREET AND PARKING LOT
 MAINTENANCE AND REPAIRS**
 PREPARED FOR
**THE UNIVERSITY OF
 SOUTH CAROLINA**
 SPARTANBURG COUNTY SOUTH CAROLINA

STATE PROJECT NO. H34-9544-JM-E	
BID DOCUMENTS	
THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION	
.DWG NAME	SHEET
N.B. NO.	2
REF.	OF
PROJECT NO. 46423272	10
FILE NO. 36,271-B91	

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 URS PROJECTS \46423272\DRAWINGS\BID DOCUMENTS\SHEETS\SP-54-46423272_030A.DWG 4/22/2014 10:46:58 AM



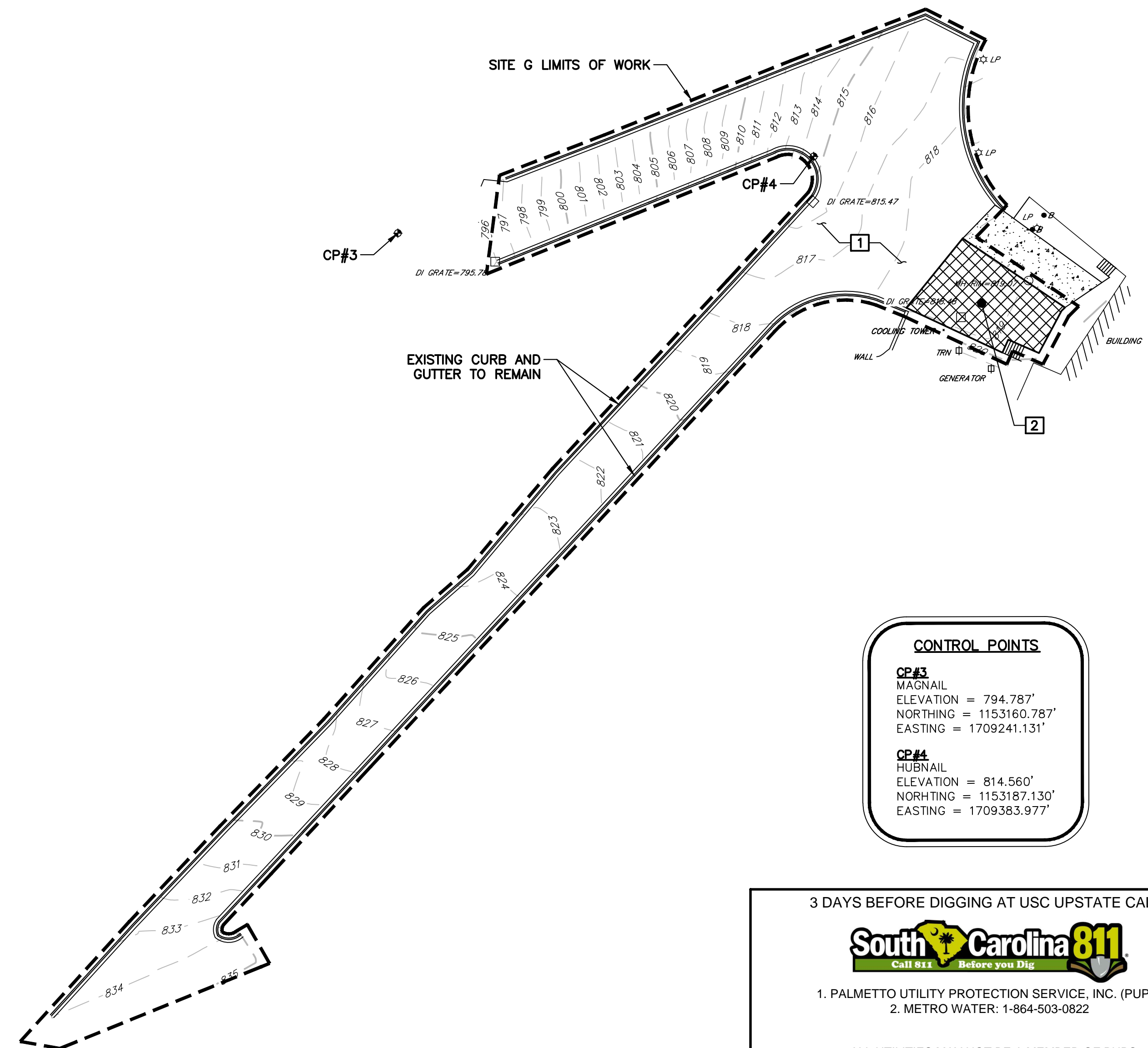
SITE D
SCALE: 1"=30'

KEY NOTES

- 1 SAWCUT AND RECLAIM EXISTING PAVEMENT FULL DEPTH, SEE NOTE 12
- 2 SAWCUT AND DEMOLISH ASPHALT PAVEMENT FULL DEPTH

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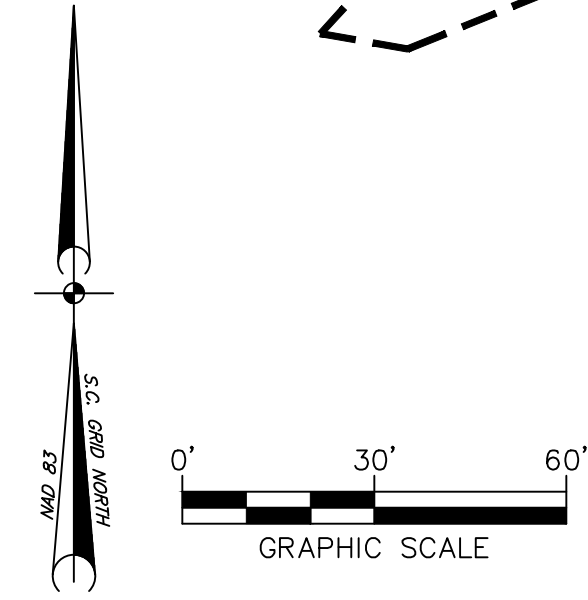
CONTROL POINTS	
CP#3	MAGNAIL ELEVATION = 794.787' NORTHING = 1153160.787' EASTING = 1709241.131'
CP#4	HUBNAIL ELEVATION = 814.560' NORTHING = 1153187.130' EASTING = 1709383.977'

3 DAYS BEFORE DIGGING AT USC UPSTATE CALL:

South Carolina 811
Call 811 Before you Dig

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2. METRO WATER: 1-864-503-0822

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SITE G
SCALE: 1"=30'

REVISIONS		NO.	DESCRIPTION	DATE	BY
		1	ADDENDUM No. 1	4/23/14	EHM

APPROVALS		PROJECT ENG.	DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED:

	DATE
	SIGNATURE

	DATE
SIGNATURE	

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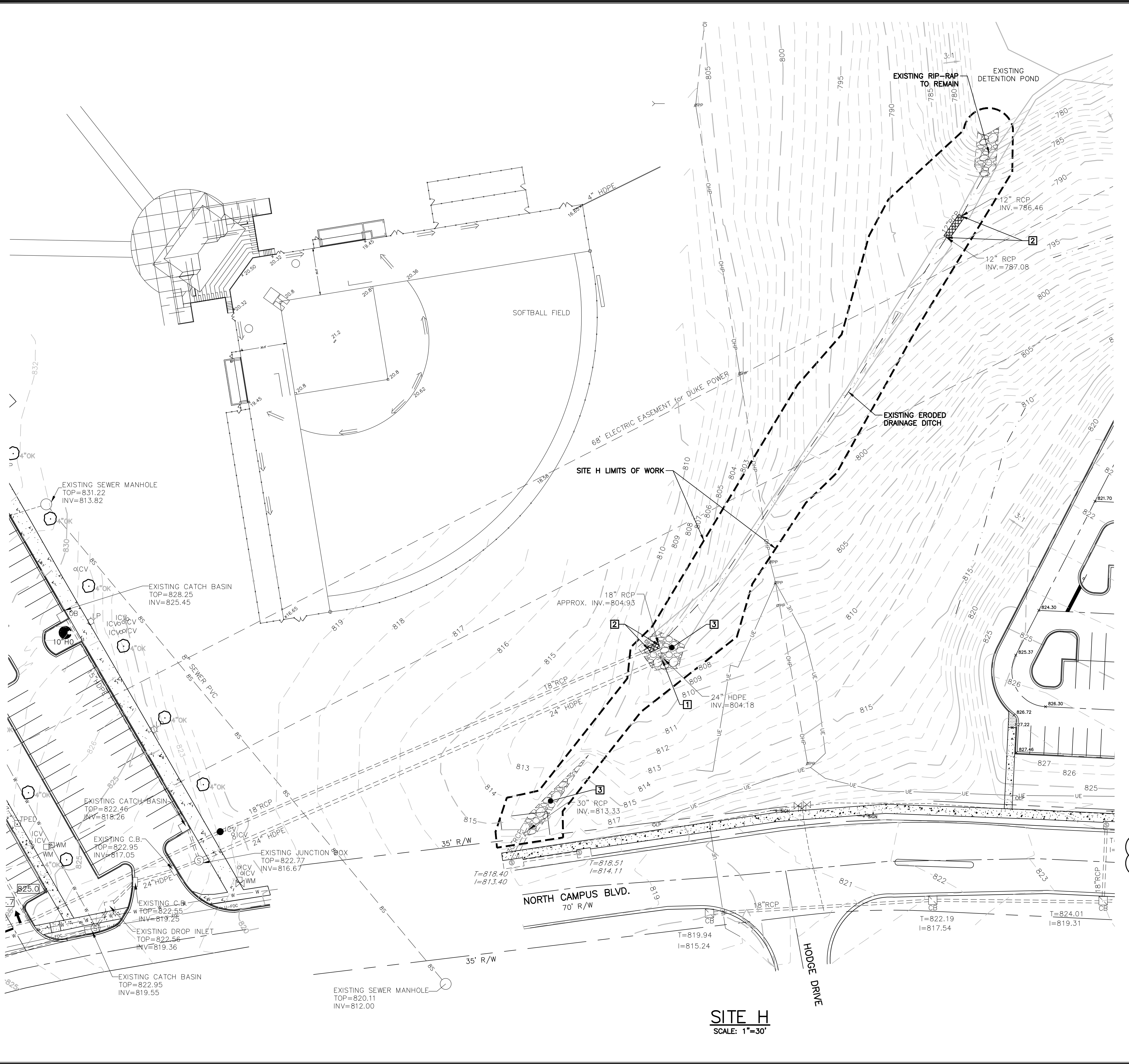
SHEET TITLE: **EXISTING CONDITIONS AND DEMOLITION PLAN SITE G**
DATE: MARCH 27, 2014 | SCALE: 1"=30'

PROJECT: **USC UPSTATE STREET AND PARKING LOT MAINTENANCE AND REPAIRS**
PREPARED FOR: **THE UNIVERSITY OF SOUTH CAROLINA**
SPARTANBURG COUNTY SOUTH CAROLINA

STATE PROJECT NO. H34-9544-JM-E
BID DOCUMENTS THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

DWG NAME	SHEET
N.B. NO.	3
REF.	OF
PROJECT NO. 46423272	10
FILE NO. 36,271-B91	

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 URS PROJECTS: 46423272, URS DRAWINGS: 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



SITE H
SCALE: 1"=30'

NOTES

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KEY NOTES

- REMOVE EXISTING CONCRETE HEADWALL
- SAWCUT AND REMOVE EXISTING STORM DRAINAGE
- REMOVE RIP-RAP, CONTRACTOR TO PLACE MATERIAL ON POND SLOPE, SEE SHEET 7 FOR LOCATION

3 DAYS BEFORE DIGGING AT USC UPSTATE CALL:

South Carolina 811
Call 811 Before you Dig

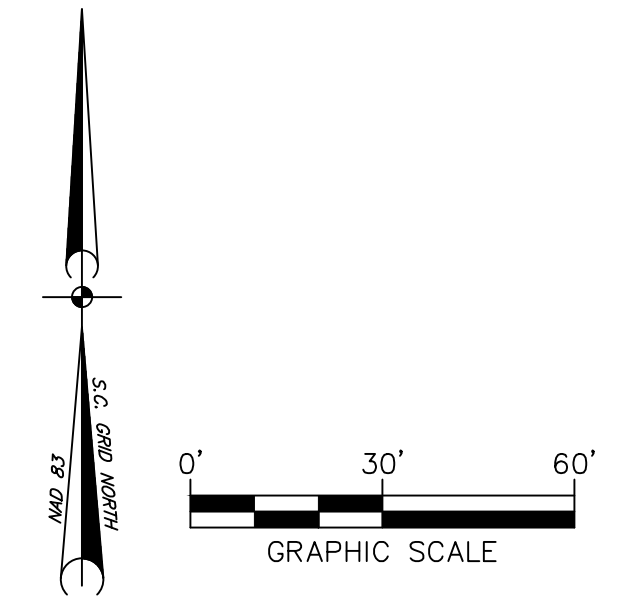
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- METRO WATER: 1-864-503-0822

ALL UTILITIES MAY NOT BE A MEMBER OF PUPS, COORDINATE WITH LOCAL UTILITY COMPANIES FOR MARKING OF THEIR UTILITIES ALSO.

CONTROL POINTS

CP #5
FH BOLT
ELEVATION = 831.34'
NORTHING = 1154484.6153'
EASTING = 1710292.5825'

BASE BID: SITES F, G AND H
BID ALTERNATE 1: SITE E
~~BID ALTERNATE 2: SITE D~~



STATE PROJECT NO.
H34-9544-JM-E

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

<p>APPROVALS</p> <p>PROJECT ENG. DESIGNED BY: [Signature]</p> <p>MDL. MDR. DRAWN BY: [Signature]</p> <p>MDL. MDR. EHM. CHECKED BY: [Signature]</p> <p>BET. APPROVED BY: [Signature]</p>									
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ADDENDUM No. 1</td> <td>4/23/14</td> <td>EHM</td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	BY	1	ADDENDUM No. 1	4/23/14	EHM
NO.	DESCRIPTION	DATE	BY						
1	ADDENDUM No. 1	4/23/14	EHM						
<p>DATE: MARCH 27, 2014</p> <p>SCALE: 1"=30'</p>									
<p>PROJECT: USC UPSTATE STREET AND PARKING LOT MAINTENANCE AND REPAIRS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA SPARTANBURG COUNTY</p>									
<p>SHEET TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN SITE H</p>									
<p>DWG NAME: N.B. NO. 4</p> <p>REF. OF: 10</p> <p>PROJECT NO. 46423272</p> <p>FILE NO. 36,271-B91</p>									

URS

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BASE BID: SITES F, G AND H
BID ALTERNATE 1: SITE E
~~BID ALTERNATE 2: SITE D~~

SLEEVE NOTE

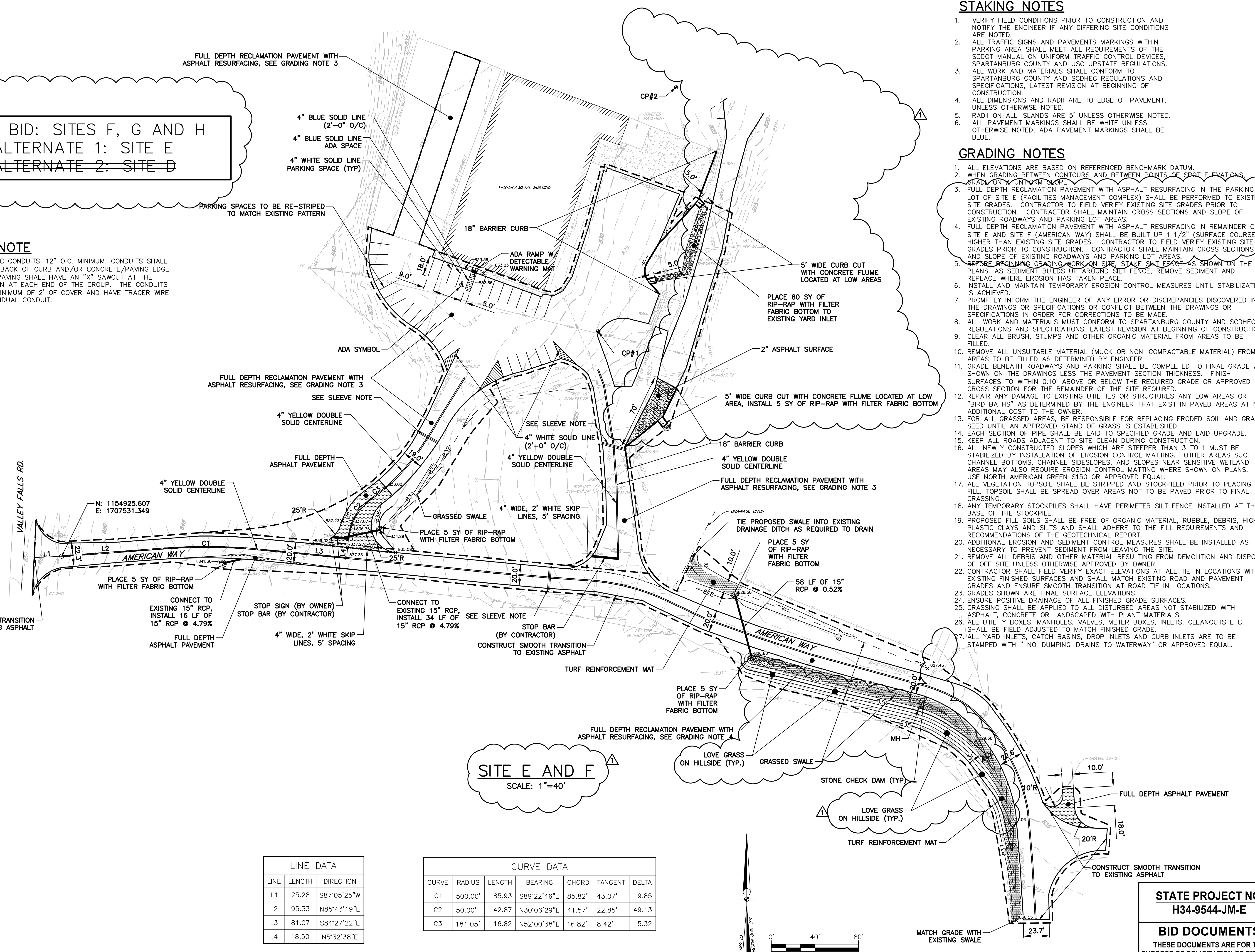
3-SCH 40 4" PVC CONDUITS, 12" O.C. MINIMUM. CONDUITS SHALL EXTEND 12" OFF BACK OF CURB AND/OR CONCRETE/PAVING EDGE AND THE CURB/PAVING SHALL HAVE AN "X" SAWCUT AT THE CONDUIT LOCATION AT EACH END OF THE GROUP. THE CONDUITS SHALL HAVE A MINIMUM OF 2' OF COVER AND HAVE TRACER WIRE OVER EACH INDIVIDUAL CONDUIT.

STAKING NOTES

1. VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY DIFFERING SITE CONDITIONS ARE NOTED.
2. ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS WITHIN PARKING AREA SHALL MEET ALL REQUIREMENTS OF THE SCDDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SPARTANBURG COUNTY AND USC UPSTATE REGULATIONS.
3. ALL WORK AND MATERIALS SHALL CONFORM TO SPARTANBURG COUNTY AND SCDEH REGULATIONS AND SPECIFICATIONS, LATEST REVISION AT BEGINNING OF CONSTRUCTION.
4. ALL DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
5. RADII ON ALL ISLANDS ARE 5' UNLESS OTHERWISE NOTED.
6. ALL PAVEMENT MARKINGS SHALL BE WHITE UNLESS OTHERWISE NOTED, ADA PAVEMENT MARKINGS SHALL BE BLUE.

GRADING NOTES

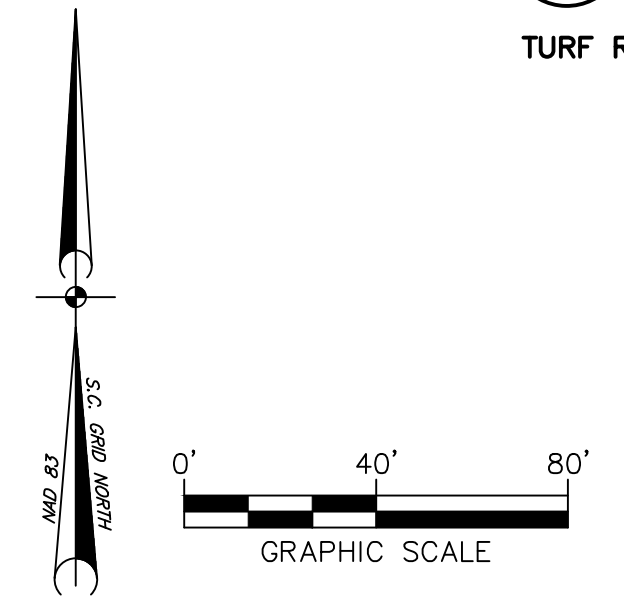
1. ALL ELEVATIONS ARE BASED ON REFERENCED BENCHMARK DATUM.
2. WHEN GRADING BETWEEN CONTOURS AND BETWEEN POINTS OF SPOT ELEVATIONS, GRADE ON UNIFORM SLOPE.
3. FULL DEPTH RECLAMATION PAVEMENT WITH ASPHALT RESURFACING IN THE PARKING LOT OF SITE E (FACILITIES MANAGEMENT COMPLEX) SHALL BE PERFORMED TO EXISTING SITE GRADES. CONTRACTOR TO FIELD VERIFY EXISTING SITE GRADES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAINTAIN CROSS SECTIONS AND SLOPE OF EXISTING ROADWAYS AND PARKING LOT AREAS.
4. FULL DEPTH RECLAMATION PAVEMENT WITH ASPHALT RESURFACING IN REMAINDER OF SITE E AND SITE F (AMERICAN WAY) SHALL BE BUILT UP 1 1/2" (SURFACE COURSE) HIGHER THAN EXISTING SITE GRADES. CONTRACTOR TO FIELD VERIFY EXISTING SITE GRADES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAINTAIN CROSS SECTIONS AND SLOPE OF EXISTING ROADWAYS AND PARKING LOT AREAS.
5. BEFORE BEGINNING GRADING WORK ON SITE, STAKE SILT FENCE AS SHOWN ON THE PLANS. AS SEDIMENT BUILDS UP AROUND SILT FENCE, REMOVE SEDIMENT AND REPLACE WHERE EROSION HAS TAKEN PLACE.
6. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES UNTIL STABILIZATION IS ACHIEVED.
7. PROMPTLY INFORM THE ENGINEER OF ANY ERROR OR DISCREPANCIES DISCOVERED IN THE DRAWINGS OR SPECIFICATIONS OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS IN ORDER FOR CORRECTIONS TO BE MADE.
8. ALL WORK AND MATERIALS MUST CONFORM TO SPARTANBURG COUNTY AND SCDEH REGULATIONS AND SPECIFICATIONS, LATEST REVISION AT BEGINNING OF CONSTRUCTION. CLEAR ALL BRUSH, STUMPS AND OTHER ORGANIC MATERIAL FROM AREAS TO BE FILLED.
9. REMOVE ALL UNSUITABLE MATERIAL (MUCK OR NON-COMPACTABLE MATERIAL) FROM AREAS TO BE FILLED AS DETERMINED BY ENGINEER.
10. GRADE BENEATH ROADWAYS AND PARKING SHALL BE COMPLETED TO FINAL GRADE AS SHOWN ON THE DRAWINGS LESS THE PAVEMENT SECTION THICKNESS. FINISH SURFACES TO WITHIN 0.10' ABOVE OR BELOW THE REQUIRED GRADE OR APPROVED CROSS SECTION FOR THE REMAINDER OF THE SITE REQUIRED.
11. REPAIR ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES ANY LOW AREAS OR "BIRD BATHS" AS DETERMINED BY THE ENGINEER THAT EXIST IN PAVED AREAS AT NO ADDITIONAL COST TO THE OWNER.
12. FOR ALL GRASSED AREAS, BE RESPONSIBLE FOR REPLACING ERODED SOIL AND GRASS SEED UNTIL AN APPROVED STAND OF GRASS IS ESTABLISHED.
13. EACH SECTION OF PIPE SHALL BE LAID TO SPECIFIED GRADE AND LAID UPGRADE.
14. KEEP ALL ROADS ADJACENT TO SITE CLEAN DURING CONSTRUCTION.
15. ALL NEWLY CONSTRUCTED SLOPES WHICH ARE STEEPER THAN 3 TO 1 MUST BE STABILIZED BY INSTALLATION OF EROSION CONTROL MATTING. OTHER AREAS SUCH AS CHANNEL BOTTOMS, CHANNEL SIDESLOPES, AND SLOPES NEAR SENSITIVE WETLAND AREAS MAY ALSO REQUIRE EROSION CONTROL MATTING WHERE SHOWN ON PLANS. USE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.
16. ALL VEGETATION TOPSOIL SHALL BE STRIPPED AND STOCKPILED PRIOR TO PLACING FILL. TOPSOIL SHALL BE SPREAD OVER AREAS NOT TO BE PAVED PRIOR TO FINAL GRASSING.
17. ANY TEMPORARY STOCKPILES SHALL HAVE PERIMETER SILT FENCE INSTALLED AT THE BASE OF THE STOCKPILE.
18. PROPOSED FILL SOILS SHALL BE FREE OF ORGANIC MATERIAL, RUBBLE, DEBRIS, HIGHLY PLASTIC CLAYS AND SILTS AND SHALL ADHERE TO THE FILL REQUIREMENTS AND RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
19. ALL NECESSARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE SITE.
20. REMOVE ALL DEBRIS AND OTHER MATERIAL RESULTING FROM DEMOLITION AND DISPOSE OFF SITE UNLESS OTHERWISE APPROVED BY OWNER.
21. CONTRACTOR SHALL FIELD VERIFY EXACT ELEVATIONS AT ALL TIE IN LOCATIONS WITH EXISTING FINISHED SURFACES AND SHALL MATCH EXISTING ROAD AND PAVEMENT GRADES AND ENSURE SMOOTH TRANSITION AT ROAD TIE IN LOCATIONS.
22. GRADES SHOWN ARE FINAL SURFACE ELEVATIONS.
23. ENSURE POSITIVE DRAINAGE OF ALL FINISHED GRADE SURFACES.
24. GRASSING SHALL BE APPLIED TO ALL DISTURBED AREAS NOT STABILIZED WITH ASPHALT, CONCRETE OR LANDSCAPED WITH PLANT MATERIALS.
25. ALL UTILITY BOXES, MANHOLES, VALVES, METER BOXES, INLETS, CLEANOUTS ETC. SHALL BE FIELD ADJUSTED TO MATCH FINISHED GRADE.
26. ALL YARD INLETS, CATCH BASINS, DROP INLETS AND CURB INLETS ARE TO BE STAMPED WITH "NO-DUMPING-DRAINS TO WATERWAY" OR APPROVED EQUAL.



SITE E AND F
 SCALE: 1"=40'

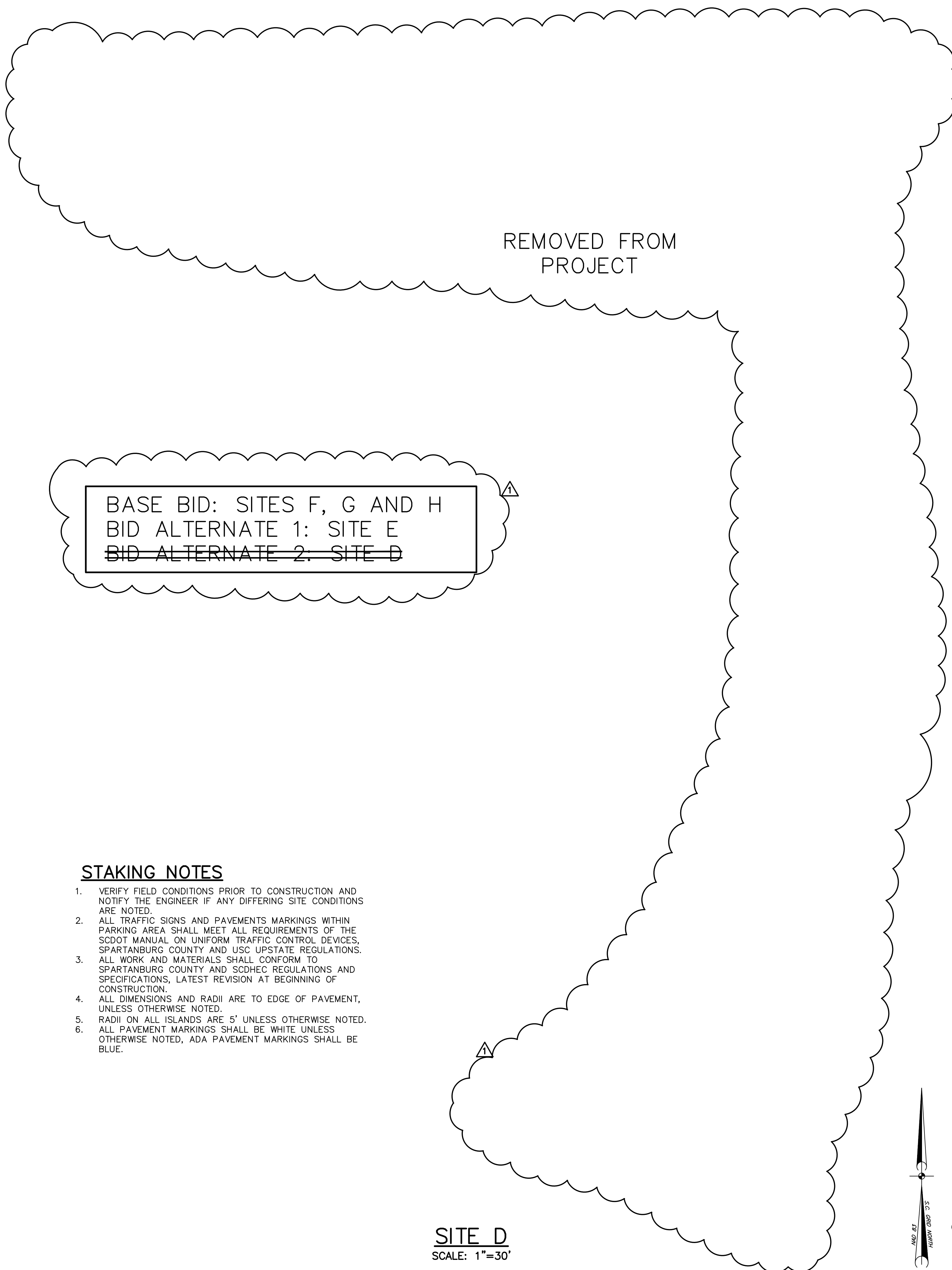
LINE	LENGTH	DIRECTION
L1	25.28	S87°05'25"W
L2	95.33	N85°43'19"E
L3	81.07	S84°27'22"E
L4	18.50	N5°32'38"E

CURVE	RADIUS	LENGTH	BEARING	CHORD	TANGENT	DELTA
C1	500.00'	85.93	S89°22'46"E	85.82'	43.07'	9.85
C2	50.00'	42.87	N30°06'29"E	41.57'	22.85'	49.13
C3	181.05'	16.82	N52°00'38"E	16.82'	8.42'	5.32



REVISIONS	
NO.	DATE
1	4/23/14 EHM
ADDENDUM No. 1	
APPROVALS	
PROJECT ENG. MDL	DESIGNED BY: MDL
DRAWN BY: EHM	CHECKED BY: BET
APPROVED: BET	DATE
URS 101 Research Drive Columbia, South Carolina 29203 Telephone (803) 254-4400 : Fax (803) 771-6676 www.URScorp.com	
SITE IMPROVEMENT PLAN SITE E AND F DATE: MARCH 27, 2014 SCALE: 1"=40'	
PROJECT: USC UPSTATE STREET AND PARKING LOT MAINTENANCE AND REPAIRS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA SPARTANBURG COUNTY	
STATE PROJECT NO. H34-9544-JM-E BID DOCUMENTS THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION	
DWG NAME	SHEET
N.B. NO.	5
REF.	OF
PROJECT NO. 46423272	10
FILE NO. 36,271-B91	

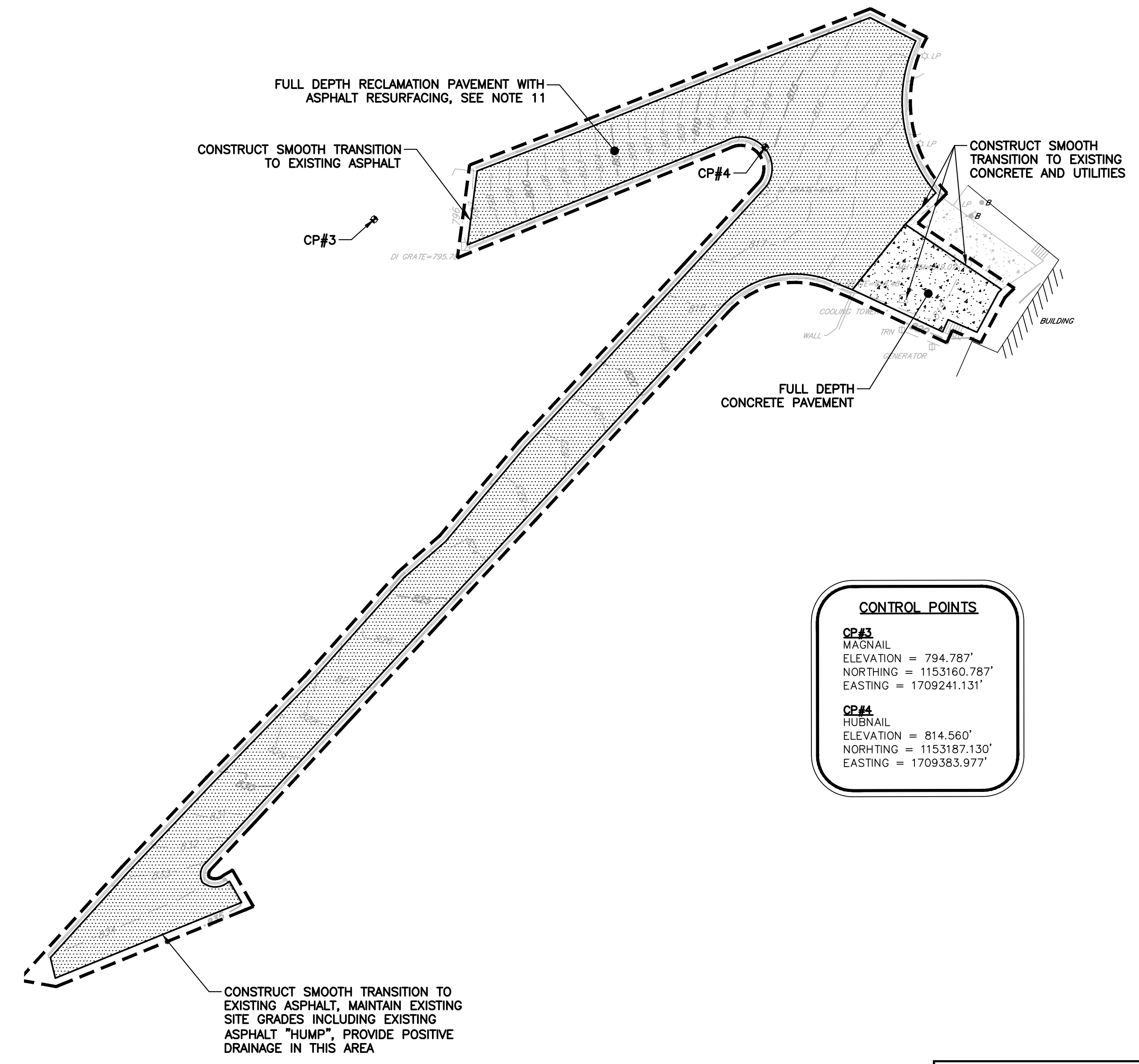
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 URS PROJECTS 46423272 URSWORKS BID DRAWINGS SHEETS 05-57-46423272_05.DWG 4/22/2014 10:56:10 AM



SITE D
SCALE: 1"=30'

GRADING NOTES

- ALL ELEVATIONS ARE BASED ON REFERENCED BENCHMARK DATUM.
- WHEN GRADING BETWEEN CONTOURS AND BETWEEN POINTS OF SPOT ELEVATIONS, GRADE ON A UNIFORM SLOPE.
- FULL DEPTH RECLAMATION PAVEMENT WITH ASPHALT RESURFACING IN SITE G (CAMPUS LIFE SERVICE ROAD) SHALL BE PERFORMED TO EXISTING SITE GRADES. CONTRACTOR TO FIELD VERIFY EXISTING SITE GRADES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAINTAIN CROSS SECTIONS AND SLOPE OF EXISTING ROADWAYS AND PARKING LOT AREAS.
- BEFORE BEGINNING GRADING WORK ON SITE, STAKE SILT FENCE AS SHOWN ON THE PLANS. AS SEDIMENT BUILDS UP AROUND SILT FENCE, REMOVE SEDIMENT AND REPLACE WHERE EROSION HAS TAKEN PLACE.
- INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES UNTIL STABILIZATION IS ACHIEVED.
- PROMPTLY INFORM THE ENGINEER OF ANY ERROR OR DISCREPANCIES DISCOVERED IN THE DRAWINGS OR SPECIFICATIONS OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS IN ORDER FOR CORRECTIONS TO BE MADE.
- ALL WORK AND MATERIALS MUST CONFORM TO SPARTANBURG COUNTY AND SCDHEC REGULATIONS AND SPECIFICATIONS, LATEST REVISION AT BEGINNING OF CONSTRUCTION.
- CLEAR ALL BRUSH, STUMPS AND OTHER ORGANIC MATERIAL FROM AREAS TO BE FILLED.
- REMOVE ALL UNSUITABLE MATERIAL (MUCK OR NON-COMPACTABLE MATERIAL) FROM AREAS TO BE FILLED AS DETERMINED BY ENGINEER.
- GRADE BENEATH ROADWAYS AND PARKING SHALL BE COMPLETED TO FINAL GRADE AS SHOWN ON THE DRAWINGS LESS THE PAVEMENT SECTION THICKNESS. FINISH SURFACES TO WITHIN 0.10' ABOVE OR BELOW THE REQUIRED GRADE OR APPROVED CROSS SECTION FOR THE REMAINDER OF THE SITE REQUIRED.
- REPAIR ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES ANY LOW AREAS OR "BIRD BATHS" AS DETERMINED BY THE ENGINEER THAT EXIST IN PAVED AREAS AT NO ADDITIONAL COST TO THE OWNER.
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- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE SITE.
- REMOVE ALL DEBRIS AND OTHER MATERIAL RESULTING FROM DEMOLITION AND DISPOSE OF OFF SITE UNLESS OTHERWISE APPROVED BY OWNER.
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- ALL YARD INLETS, CATCH BASINS, DROP INLETS AND CURB INLETS ARE TO BE STAMPED WITH "NO-DUMPING-DRAINS TO WATERWAY" OR APPROVED EQUAL.

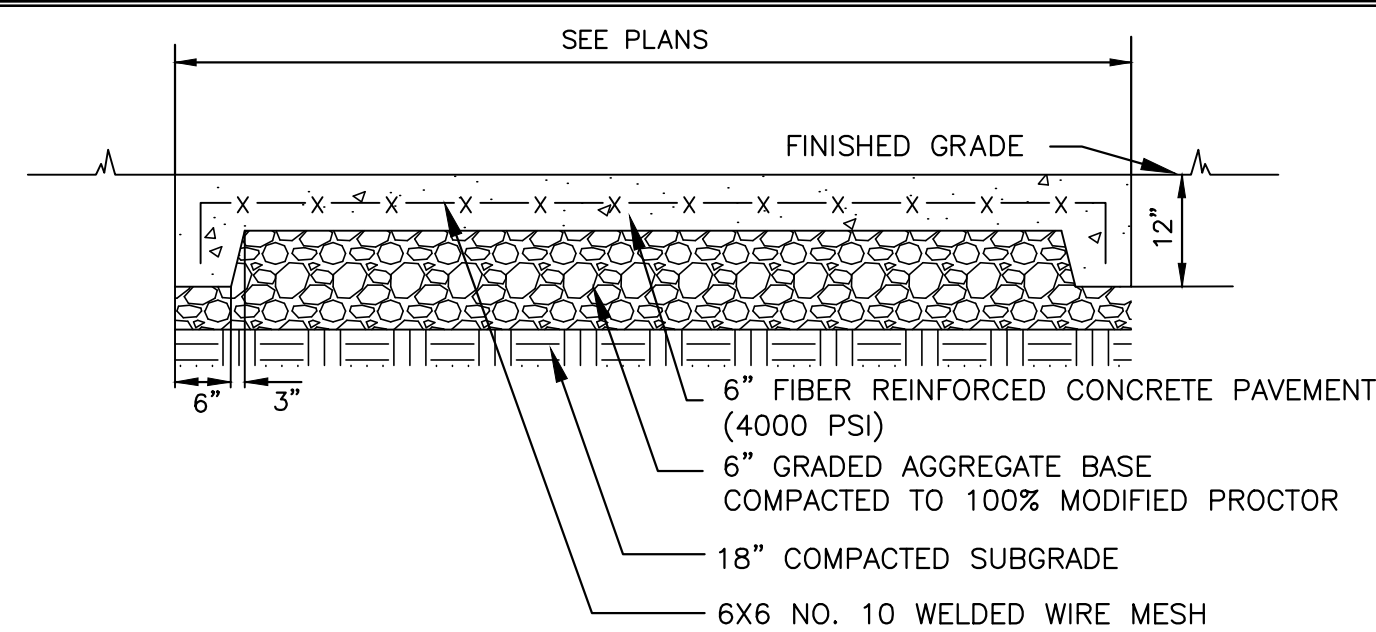


CONTROL POINTS	
CP#3	MAGNAIL ELEVATION = 794.787' NORTHING = 1153160.787' EASTING = 1709241.131'
CP#4	HUBNAIL ELEVATION = 814.560' NORTHING = 1153187.130' EASTING = 1709383.977'

SITE G
SCALE: 1"=30'

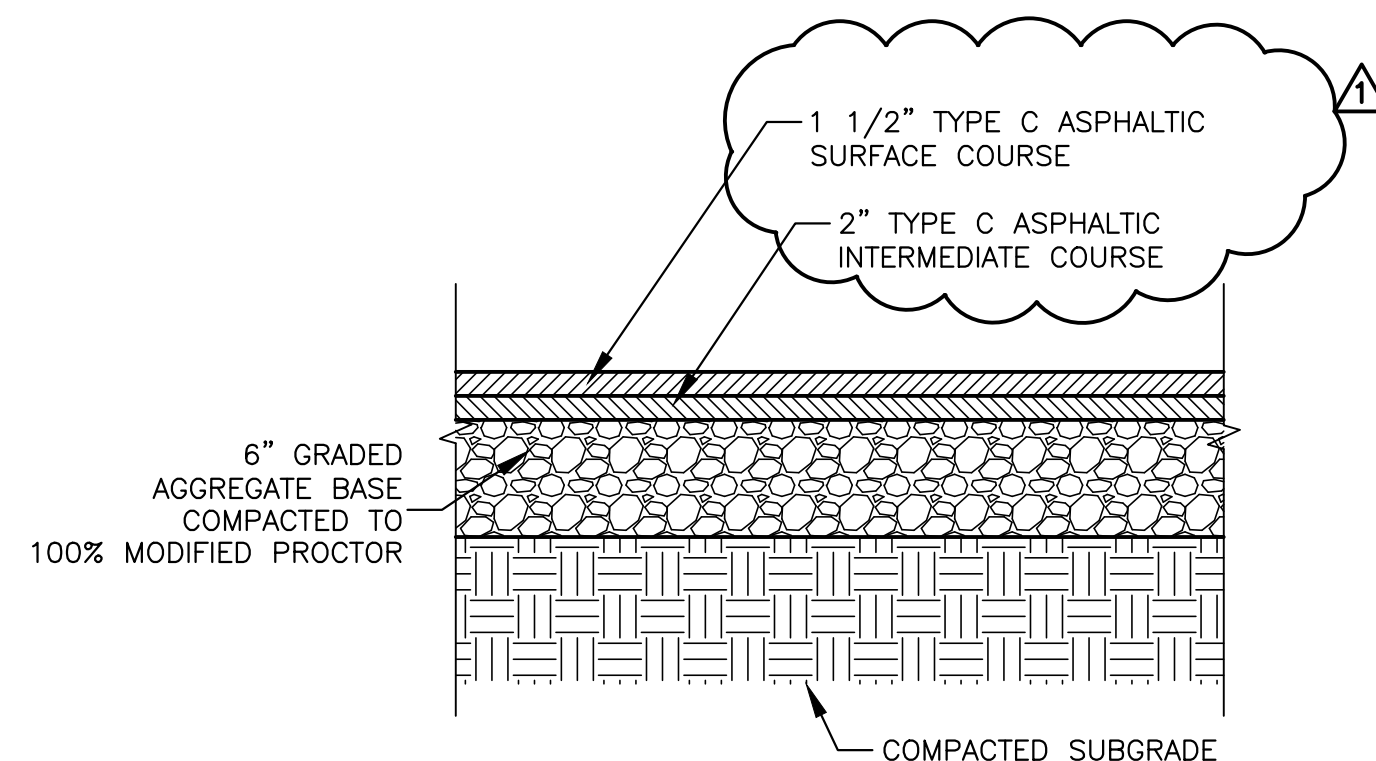
APPROVALS	REVISIONS				
PROJECT ENG. NO. 1	DESCRIPTION	DATE	BY	ADDENDUM No. 1	4/23/14 EHM
DESIGNED BY: MDM	DRAWN BY: EHM	CHECKED BY: BET	APPROVED: BET		
			101 Research Drive Columbia, South Carolina 29203 Telephone (803) 254-4400 : Fax (803) 771-6676 www.URS Corp.com		
SITE IMPROVEMENT PLAN SITE G			DATE: MARCH 27, 2014 SCALE: 1"=30'		
USC UPSTATE STREET AND PARKING LOT MAINTENANCE AND REPAIRS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA SPARTANBURG COUNTY			STATE PROJECT NO. H34-9544-JM-E BID DOCUMENTS THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION		
DWG NAME		SHEET		PROJECT NO.	
N.B. NO.		6		46423272	
REF.		OF		10	
FILE NO. 36,271-B91					

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CONCRETE PAVING

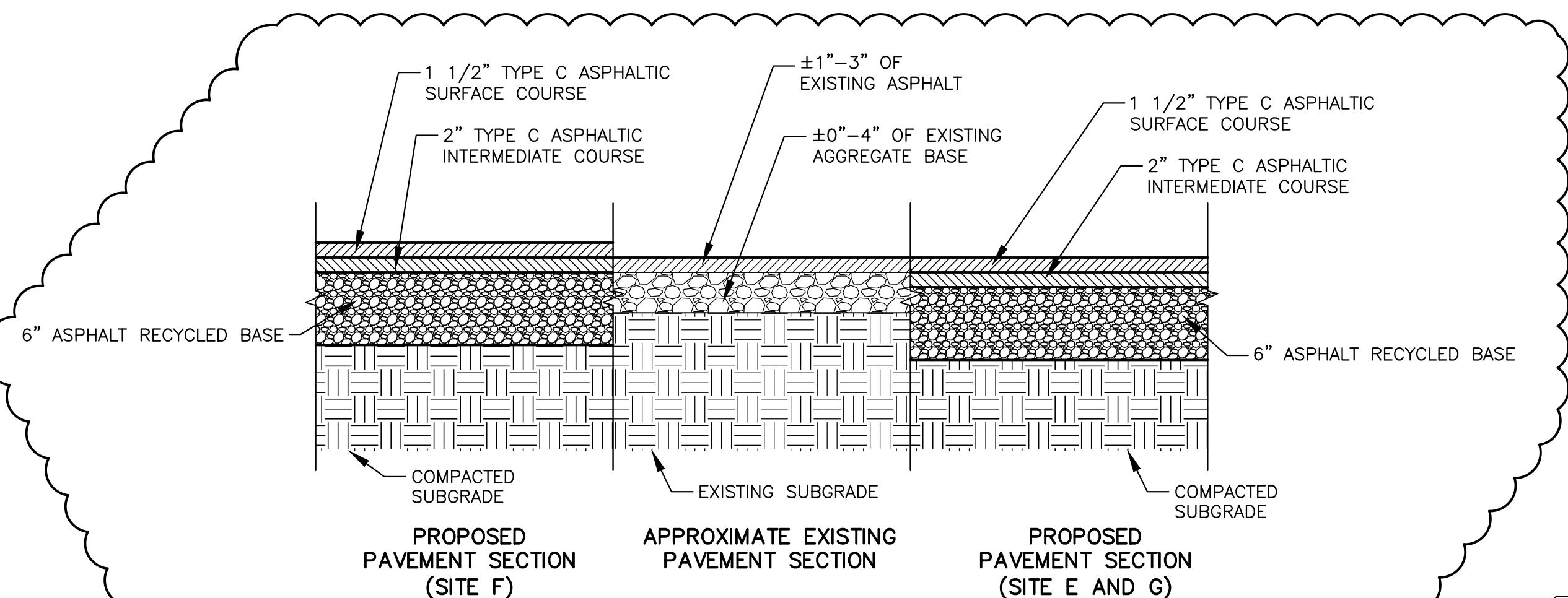
DETAIL 1
SCALE: NONE



FULL DEPTH ASPHALT PAVEMENT

DETAIL 2
SCALE: NONE

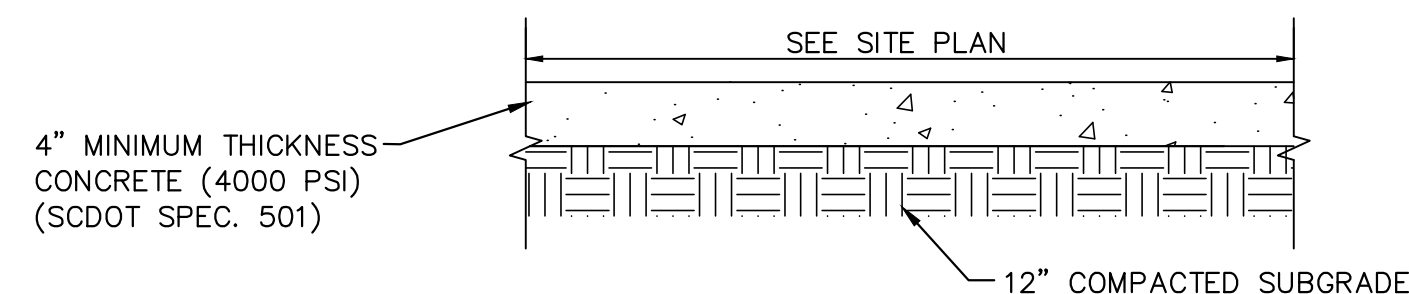
- NOTES:**
1. ASPHALT THICKNESS NOTED SHALL BE THE FINAL COMPACTED MATERIAL THICKNESS.



FULL DEPTH RECLAMATION WITH ASPHALT RESURFACING

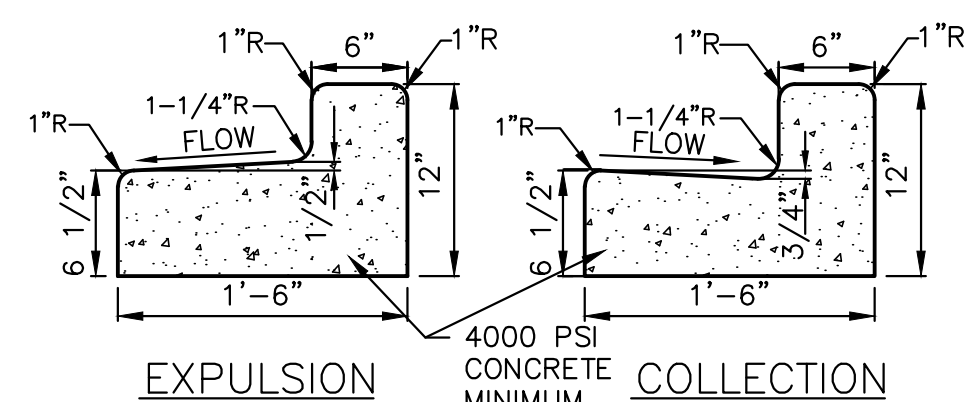
DETAIL 3
SCALE: NONE

- NOTES:**
1. ASPHALT THICKNESS NOTED SHALL BE THE FINAL COMPACTED MATERIAL THICKNESS.
2. CONTRACTOR SHALL DETERMINE RATE AND MIXTURE OF STABILIZING AGENTS, IF ANY, IN THE RECYCLED BASE.



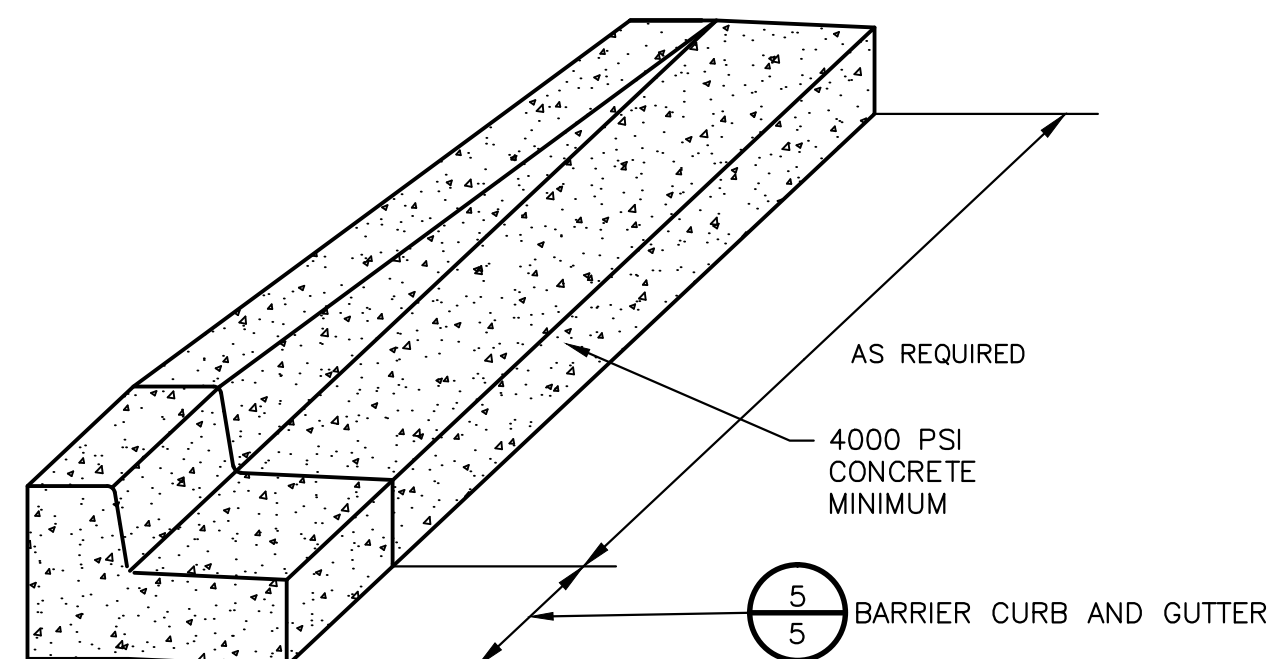
TYPICAL SIDEWALK

DETAIL 4
SCALE: NONE



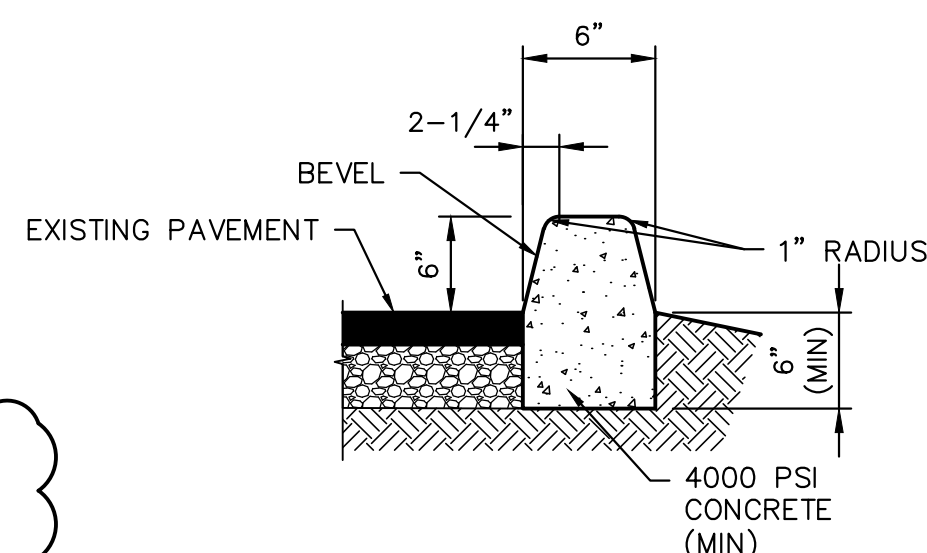
BARRIER CURB AND GUTTER

DETAIL 5
SCALE: NONE



TAPERED CURB

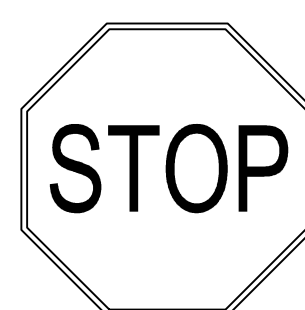
DETAIL 6
SCALE: NONE



CONCRETE CURB

DETAIL 7
SCALE: NONE

- NOTES:**
1. CONSTRUCT CURB IN 10'-0" LENGTHS.
2. PROVIDE 1/2 INCH EXPANSION JOINT AT INTERVALS NOT TO EXCEED 100'-0" AT THE ENDS AND MIDPOINT OF RETURNS, AND AT ANY POINT WHERE THE NEW CURB ABUTS OTHER CONCRETE STRUCTURES.



MUTCD NO. - R1-1
30" X 30"



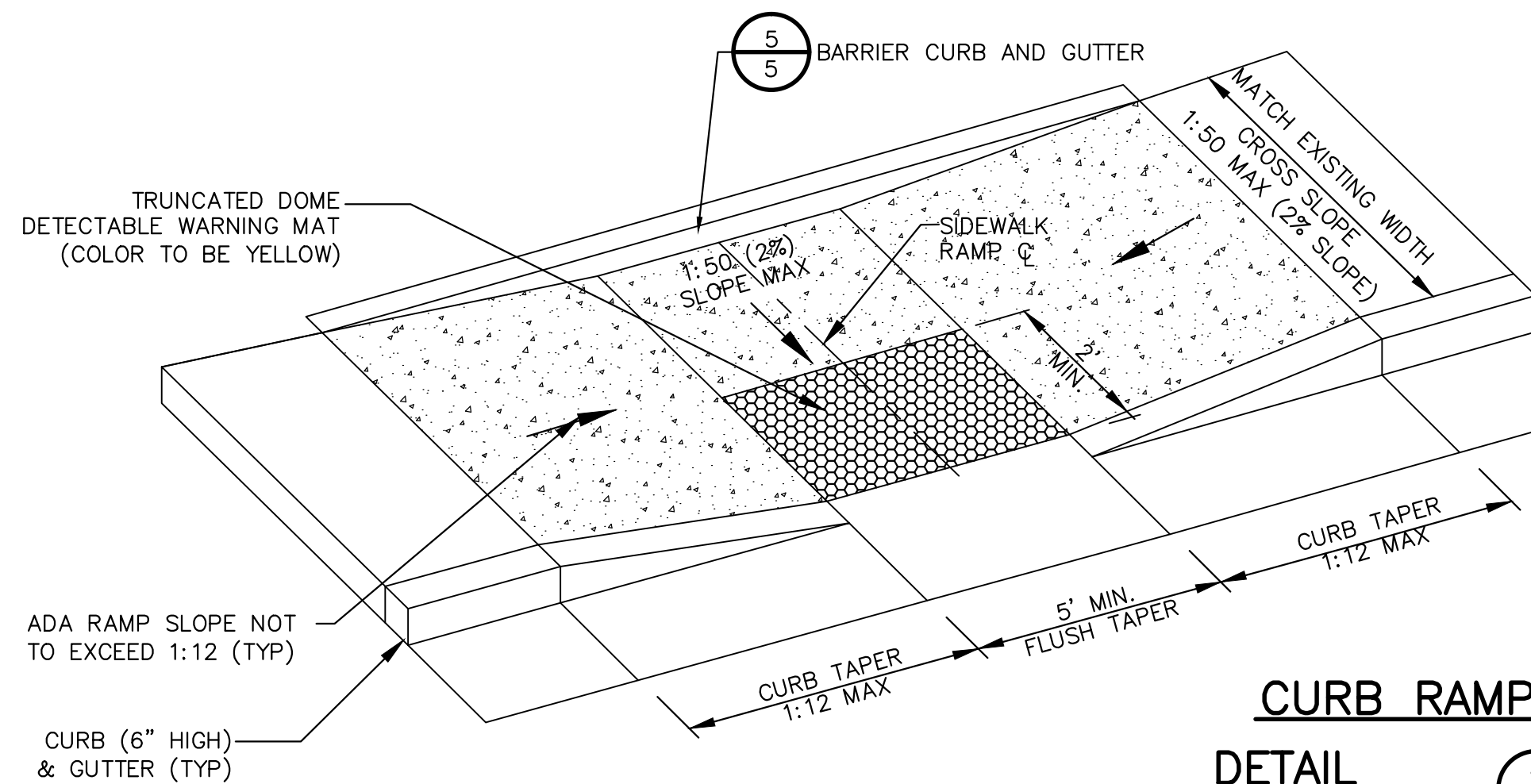
MUTCD NO. - R7-8
12" X 18"

SIGNAGE LOCATION NOTES:

- ALL SIGNAGE SHALL BE INSTALLED A MINIMUM OF 6 FEET FROM EDGE OF PAVEMENT IN RURAL LOCATIONS AND A MINIMUM OF 2 FEET FROM EDGE OF PAVEMENT IN URBAN LOCATIONS.
- FACE ALL SIGNS IN APPROPRIATE DIRECTION.
- ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL MEET ALL REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ROAD SIGNAGE SHALL BE MOUNTED ON GALVANIZED STEEL 2"x2" SQUARE BASE POST. ADA SIGNAGE SHALL BE MOUNTED ON U-POST.
- REFER TO MUTCD REQUIREMENTS FOR MOUNTING HEIGHT.

TRAFFIC SIGN

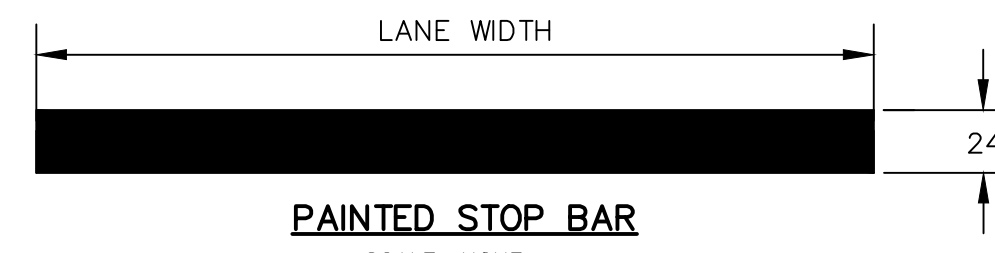
DETAIL 8
SCALE: NONE



CURB RAMP

DETAIL 9
SCALE: NONE

- NOTES:**
1. CONSTRUCTION OF ACCESSIBLE CURB RAMP SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND ORDINANCES.
2. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS TO STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20 (5%).
3. CURB RAMP SHALL HAVE A DETECTABLE WARNING MAT THAT CONFORMS TO ADA STANDARDS FOR ACCESSIBLE DESIGN SECTION 4.29.2 AND EXTENDS THE FULL WIDTH OF CURB RAMP.



PAINTED STOP BAR

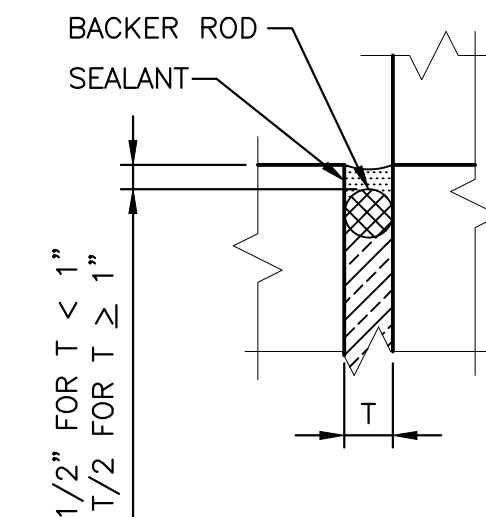
SCALE: NONE

NOTES:

- ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL MEET ALL REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- APPLY ALL ROADWAY STRIPING AND MARKINGS AS TEMPORARY PAINT IMMEDIATELY AFTER APPLICATION OF FINAL SURFACE.
- APPLY ALL ROADWAY STRIPING AND MARKINGS AS PERMANENT THERMOPLASTIC WITH REFLECTIVE GLASS SPHERES NOT LESS THAN TWO WEEKS, AND NOT GREATER THAN FOUR WEEKS AFTER APPLICATION OF FINAL SURFACE COURSE.
- PARKING SPACE STRIPING MAY BE NON-REFLECTIVE ACRYLIC PAINT.
- SEE SCDOT STANDARD DRAWING NO. 625-410-00 AND LATEST REVISIONS AND SUPPLEMENTS FOR "DIRECTIONAL ARROWS" DETAILS.

PAVEMENT STRIPING & MARKING STANDARDS

DETAIL 10
SCALE: NONE

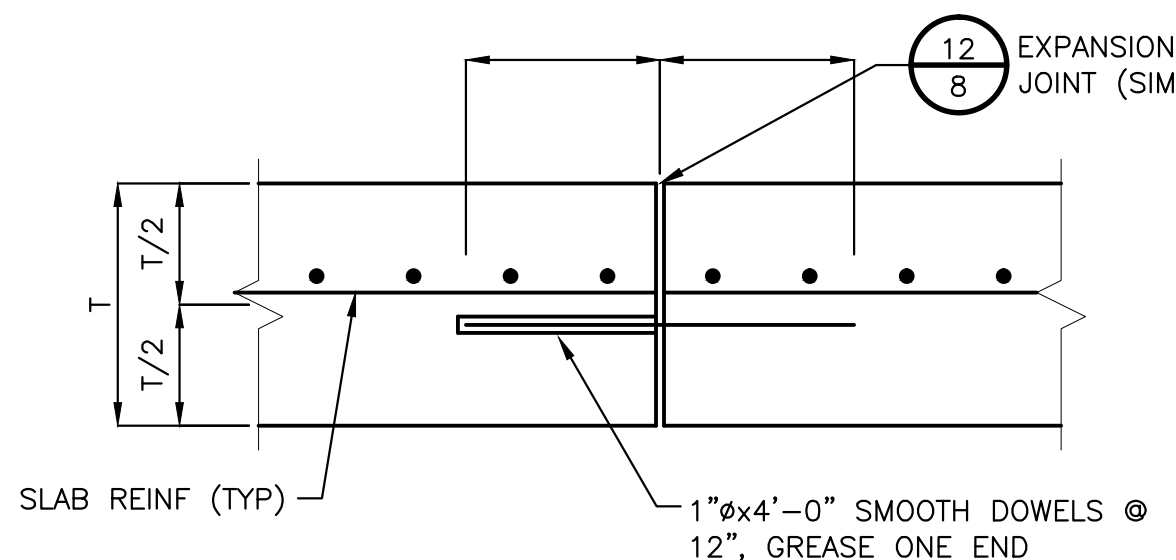


NOTES:

- USE T=1" FOR NEW CONCRETE ADJACENT TO BUILDINGS OR EXISTING SAW-CUT PAVEMENT/CONCRETE.
- PROVIDE 1/2" EXPANSION JOINT WHERE CONCRETE PAVING AND SIDEWALK ABUTS ADJACENT STRUCTURES AND DISSIMILAR SURFACES.

EXPANSION JOINT

DETAIL 12
SCALE: NONE

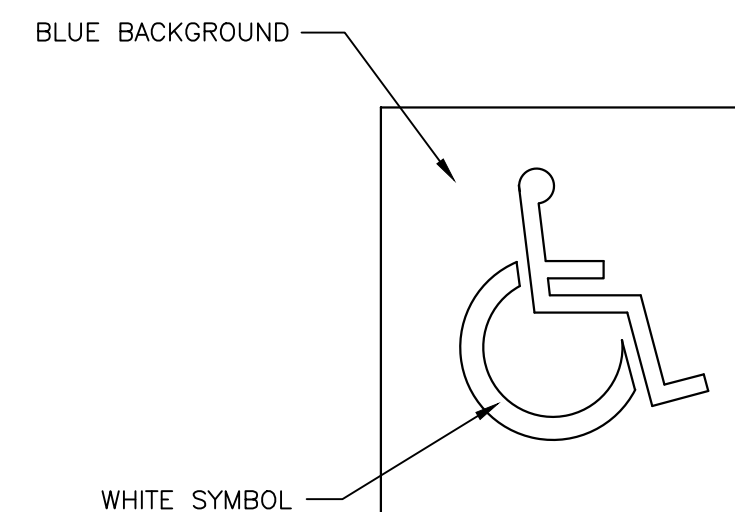


NOTES:

- JOINTS SHALL BE LOCATED AS SHOWN ON THE PLANS OR 30'-0" OC EW (MAX).

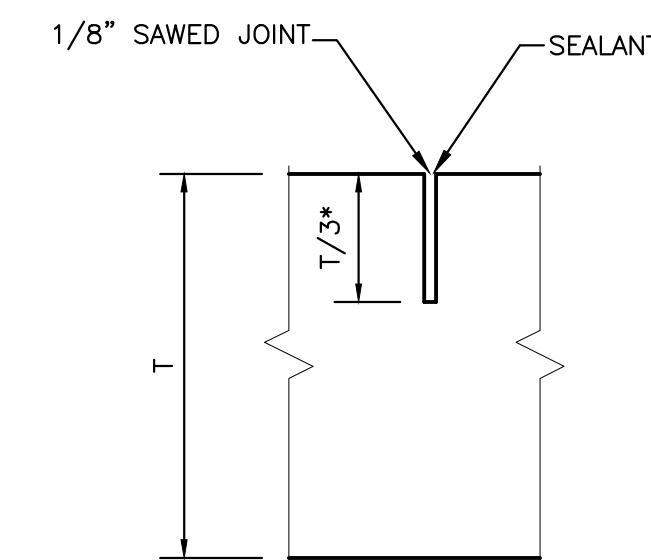
CONSTRUCTION JOINT

DETAIL 14
SCALE: NONE



HANDICAP PARKING SYMBOL

DETAIL 11
SCALE: NONE



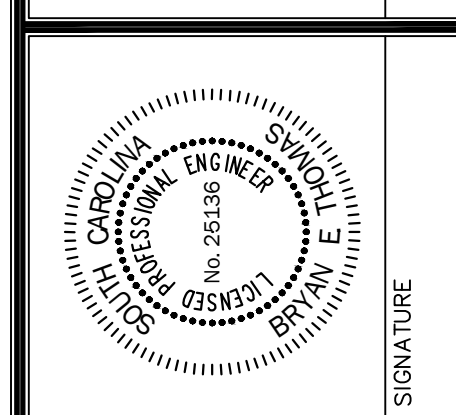
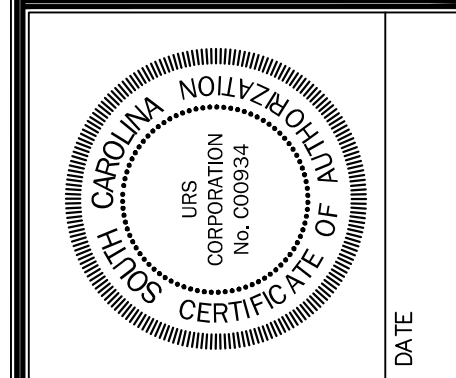
CONTROL JOINT

DETAIL 13
SCALE: NONE

- NOTES:**
1. JOINTS SHALL BE LOCATED AS SHOWN ON THE PLANS OR 15'-0" OC EW (MAX).
2. JOINT DEPTH = 2 1/2" (MAX)

NO.	DESCRIPTION	DATE	BY
1	ADDENDUM No. 1	4/23/14	EHM

APPROVALS	PROJECT ENG.	DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED:
	MDJ	MDJ	MDJ	EHM	BET



SIGNATURE

URS
101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400; Fax (803) 771-6676
www.URSCorp.com

SITE DETAILS
1 OF 3
DATE: MARCH 27, 2014 SCALE: AS SHOWN

PROJECT: USC UPSTATE STREET AND PARKING LOT MAINTENANCE AND REPAIRS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA SOUTH CAROLINA SPARTANBURG COUNTY

STATE PROJECT NO. H34-9544-JM-E	SHEET 8
BID DOCUMENTS THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION	OF 10

.DWG NAME	SHEET
N.B. NO.	8
REF.	OF
PROJECT NO. 46423272	10
FILE NO. 36,271-B91	