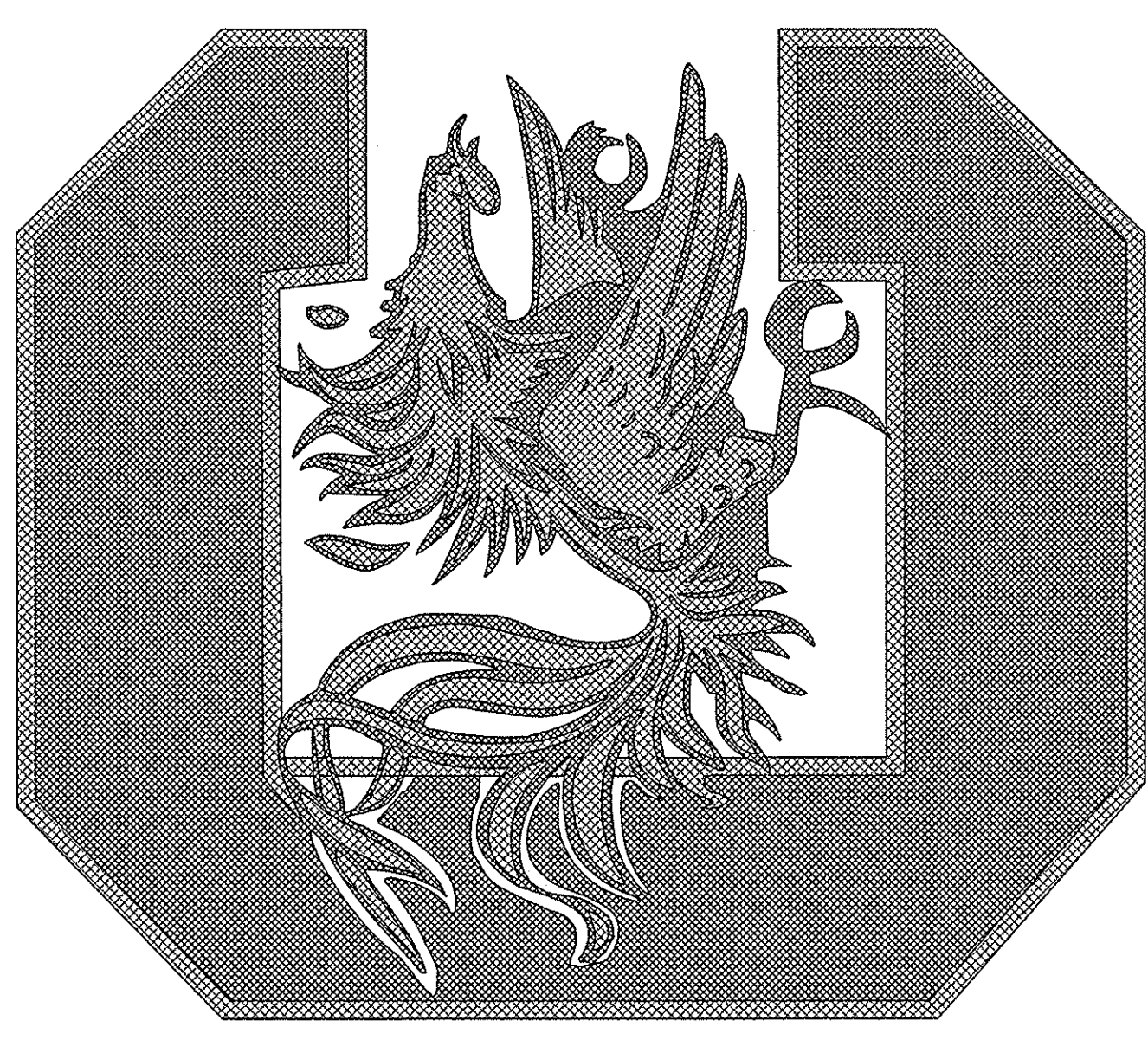
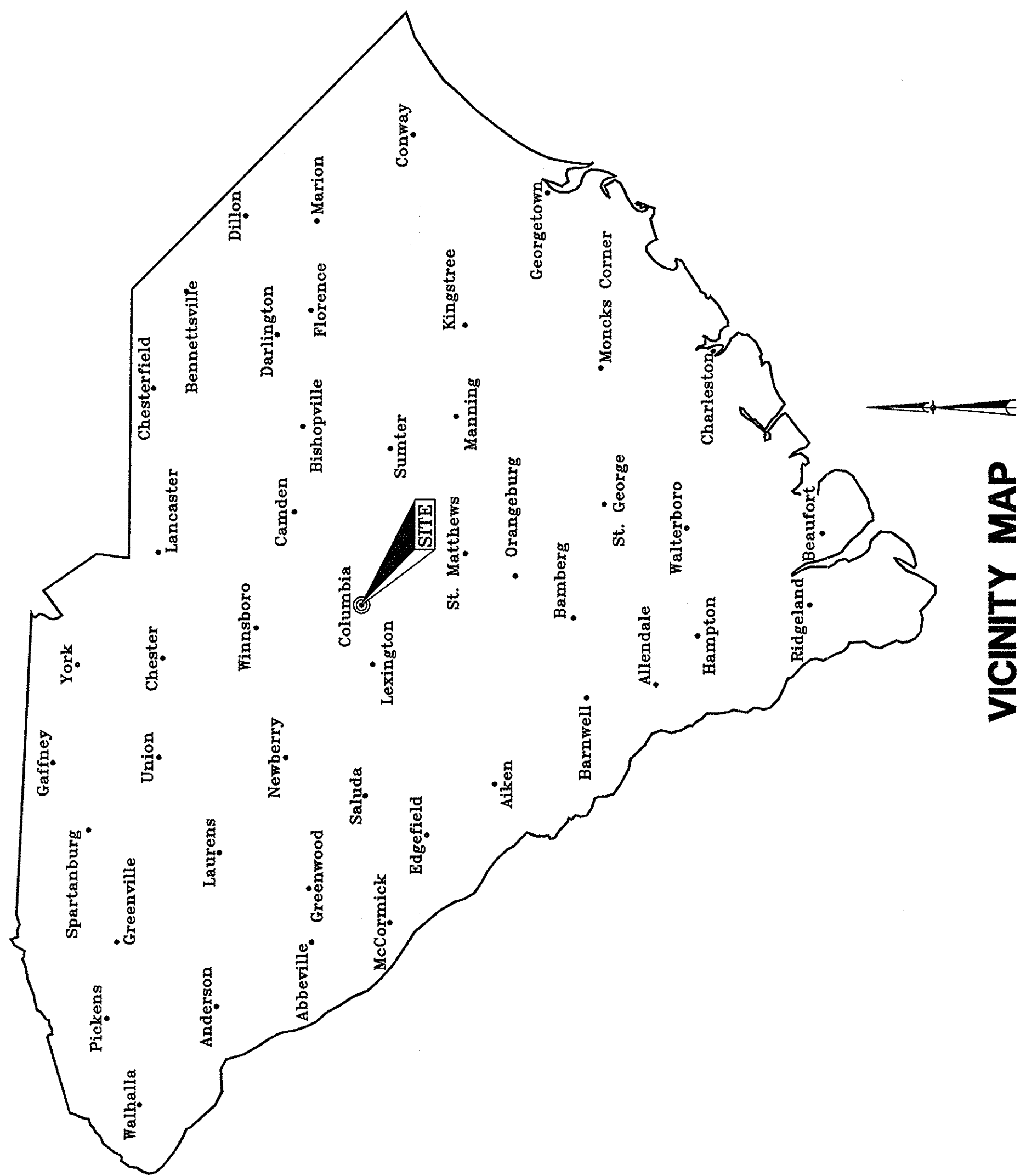
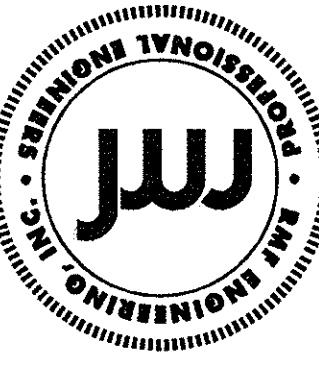
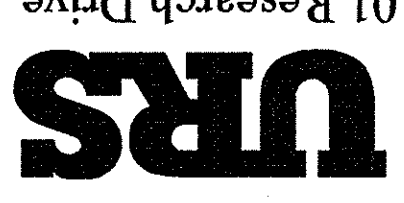






RMF ENGINEERING, INC.
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SUITE G
CHARLESTON, SC 29492
PHONE: 843-971-9639
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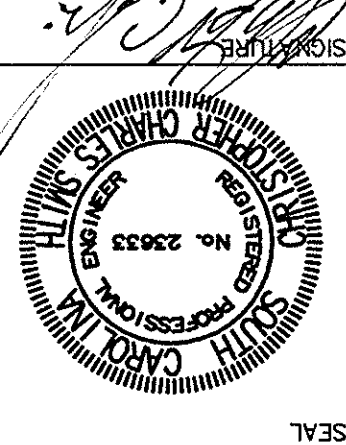
URS



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

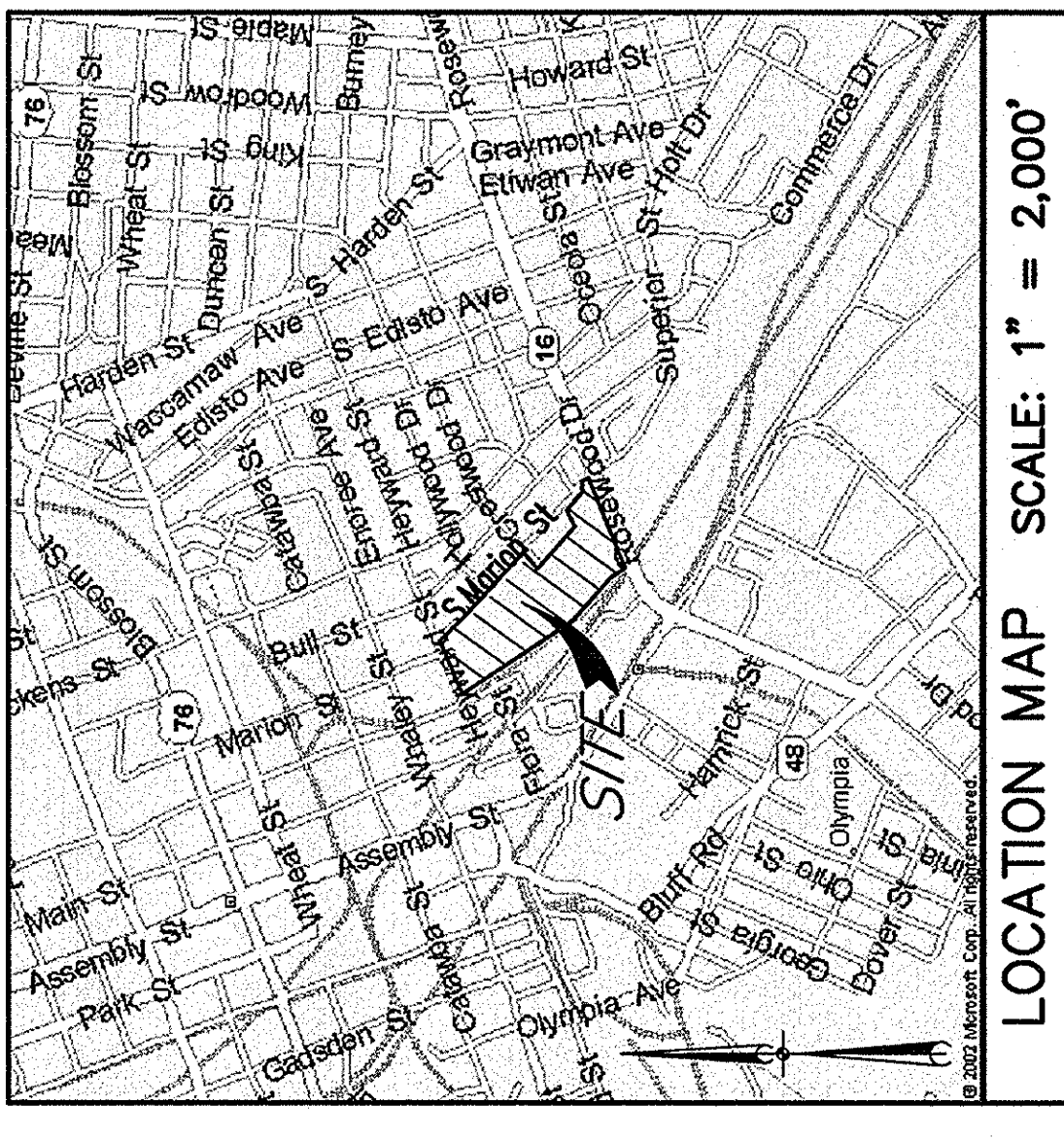


DATE 5-14-12



ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION- BECKHAM FIELD SITE UTILITIES

PROJECT NO. H27-6056-MJ-E



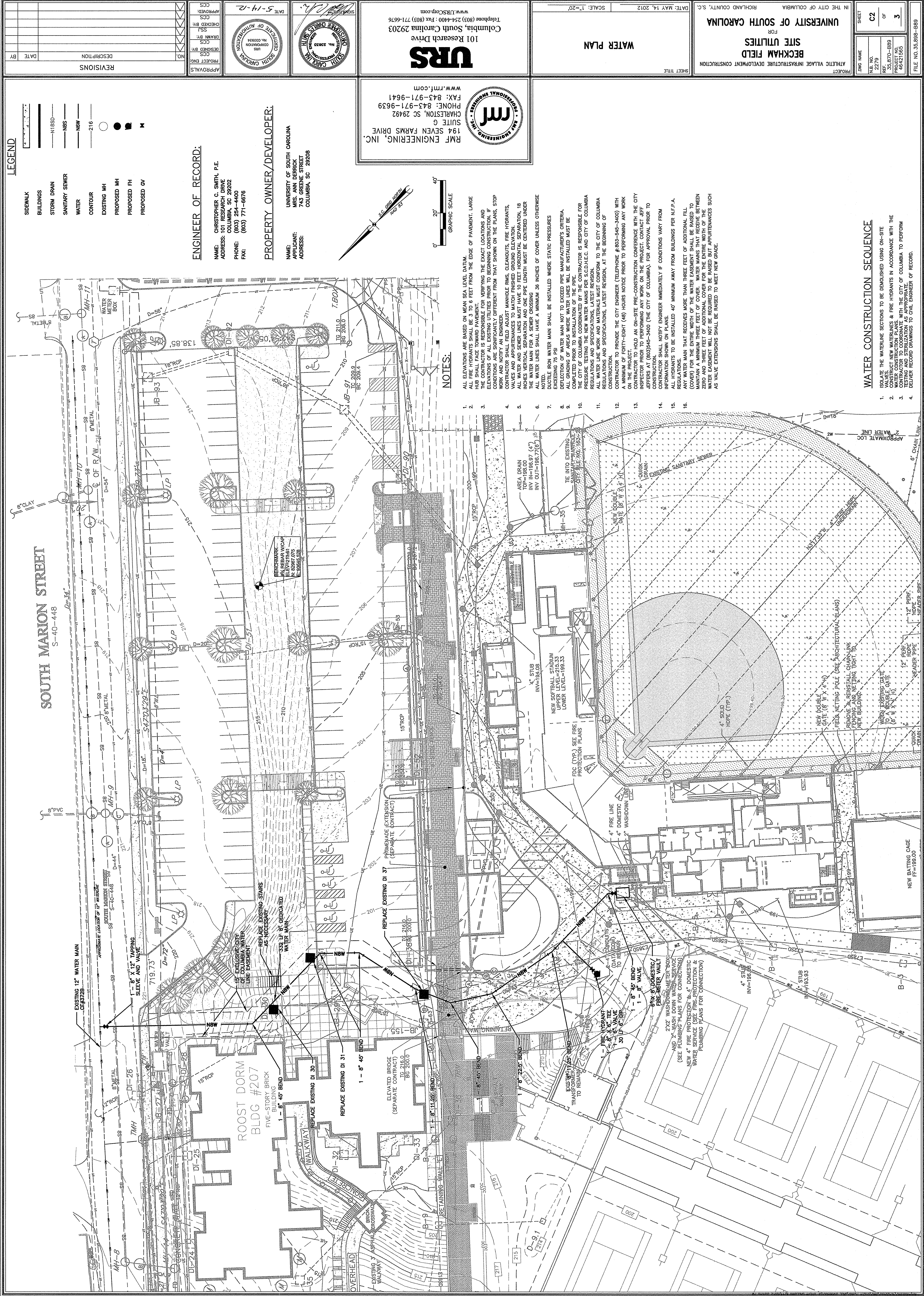
SHEET	SHEET INDEX	SHEET NO.
COVER SHEET		
EXISTING CONDITIONS & DEMOLITION PLAN		C1
WATER PLAN		C2
WATER DETAILS		C3
ELECTRICAL SITE PLAN		E1
ELECTRICAL SINGLE LINE DIAGRAMS		E2
ELECTRICAL DETAILS		E3

OWNER/DEVELOPER

UNIVERSITY OF SOUTH CAROLINA
743 GREENE STREET
COLUMBIA, SC 29208
TELE: 803-777-5811
FAX: 803-777-3126
MS. ANN DERRICK

1. DEMOLISH ALL ITEMS WITHIN LIMITS OF DEMOLITION WHICH INTERFERE WITH NEW WORK.
2. TOTAL AREA OF DEMOLITION = TOTAL AREA OF LAND DISTURBANCE = 0.39 ACRE.
3. PROPERLY DISCONNECT AND TERMINATE ALL EXISTING UTILITIES PRIOR TO DEMOLITION.
4. MAINTAIN EXISTING UTILITIES WITHIN LIMITS OF DEMOLITION WHICH ARE TO REMAIN IN SERVICE.
5. ALL ITEMS TO BE DEMOLISHED SHALL BE PROPERLY DISPOSED OFF-SITE, UNLESS OTHERWISE DIRECTED BY OWNER.
6. CONTRACTORS SHALL MARK SITE PRIOR TO BIDDING.
7. RELOCATION OF TELEPHONE AND CABLE LINES SHALL BE PROVIDED BY UTILITY.
8. CONTRACTORS SHALL PROVIDE ALL NECESSARY ERECTION OF SHELTERS TO HAVE RELOCATIONS COMPLETED IN CONJUNCTION WITH THIS WORK. CONTRACTOR MAY BE REQUIRED TO ATTEND MEETINGS TO COORDINATE FINAL PATHWAYS AND ELEVATIONS.

DEMOLITION NOTES



LEGEND

SIDWALK
BUILDINGS
STORM DRAIN
SANITARY SEWER
WATER
CONTOUR
EXISTING MH
PROPOSED MH
PROPOSED FH
PROPOSED GV

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ENGINEER OF RECORD:

NAME: CHRISTOPHER C. SMITH, P.E.
ADDRESS: 101 RESEARCH DRIVE
COLUMBIA, SC 29202
PHONE: (803) 254-4400
FAX: (803) 771-6676

PROPERTY OWNER/DEVELOPER:

NAME: UNIVERSITY OF SOUTH CAROLINA
APPLICANT: MRS. ANN DERRICK
ADDRESS: 743 GREENE STREET
COLUMBIA, SC 29208

URS

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WATER PLAN

DATE: MAY 14, 2012
SCALE: 1"=20'

BECKHAM FIELD
SITE UTILITIES
FOR
UNIVERSITY OF SOUTH CAROLINA

ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION
RICHLAND COUNTY, S.C.

PROJECT NO. 35,898-B89
SHEET 3 OF 3
DATE: 5-14-12

NOTES:

1. ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM.
2. ALL FIRE HYDRANTS SHALL BE 3 TO 6 FEET FROM THE EDGE OF PAVEMENT. LARGE
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATIONS AND
4. CONDITIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. IF
5. WORK AND NOTIFY AN ENGINEER. MANHOLE RIMS, CLEANOUTS, FIRE HYDRANTS,
6. VALVES AND APPURTENANCES TO MATCH FINISHED GROUND ELEVATION.
7. ALL WATER AND SEWER LINES MUST HAVE 10 FEET HORIZONTAL SEPARATION, 18
8. INCHES VERTICAL SEPARATION AND ONE PIPE LENGTH MUST BE CENTERED UNDER
9. THE WATER MAIN FOR A SEWER CROSSING.
10. ALL WATER LINES SHALL HAVE A MINIMUM 36 INCHES OF COVER UNLESS OTHERWISE
11. EXCEEDING 75 PSF.
12. DUCTILE IRON WATER MAIN SHALL BE INSTALLED WHERE STATIC PRESSURES
13. DEFLECTION OF WATER MAIN NOT TO EXCEED PIPE MANUFACTURER'S CRITERIA.
14. ALL GRADING OF AREAS WHERE WATER LINES WILL BE INSTALLED MUST BE
15. COMPLETED PRIOR TO INSTALLATION OF THE PIPE. CONTRACTOR IS RESPONSIBLE FOR
16. PRESSURE TESTING THE NEW WATER MAINS PER S.C.D.H.E.C. AND CITY OF COLUMBIA
17. REGULATIONS AND SPECIFICATIONS, LATEST REVISION.
18. ALL WATER LINE WORK AND MATERIALS MUST CONFORM TO THE CITY OF COLUMBIA
19. REGULATIONS AND SPECIFICATIONS, LATEST REVISION, AT THE BEGINNING OF
20. CONSTRUCTION. PROVIDE THE CITY ENGINEER (TELEPHONE 803-545-3400) WITH
21. A MINIMUM OF FORTY-EIGHT (48) HOURS NOTICE PRIOR TO PERFORMING ANY WORK
22. ON THE PROJECT.
23. CONTRACTOR TO HOLD AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE CITY
24. INSPECTOR PRIOR TO PERFORMING ANY WORK ON THE PROJECT. CONTACT JEFF
25. EPPERS AT (803)545-3400 (THE CITY OF COLUMBIA). FOR APPROVAL PRIOR TO
26. INFORMATION SHOWN ON PLANS.
27. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF CONDITIONS VARY FROM
28. REGULATIONS.
29. ALL HYDRANTS TO BE INSTALLED 40' MINIMUM AWAY FROM BUILDINGS PER N.F.P.A.
30. ANY WATER MAIN THAT RECEIVES MORE THAN THREE FEET OF ADDITIONAL FILL
31. (COVER) FOR THE ENTIRE WIDTH OF THE WATER EASEMENT SHALL BE RAISED TO
32. MEET NEW GRADE. ANY WATER MAIN THAT RECEIVES LESS THAN THREE FEET BETWEEN
33. ZERO AND THREE FEET OF ADDITIONAL COVER FOR THE ENTIRE WIDTH OF THE
34. WATER EASEMENT WILL NOT BE REQUIRED TO BE RAISED BUT APPURTENANCES SUCH
35. AS VALVE EXTENSIONS SHALL BE RAISED TO MEET NEW GRADE.

WATER CONSTRUCTION SEQUENCE

1. ISOLATE THE WATERLINE SECTIONS TO BE DEMOLISHED USING ON-SITE
2. VALVES.
3. CONSTRUCT NEW WATER LINES & FIRE HYDRANTS IN ACCORDANCE WITH THE
4. CONTRACTOR TO COORDINATE WITH THE CITY OF COLUMBIA TO PERFORM
5. CONSTRUCTION AND STABILIZATION AS APPROPRIATE.
6. DELIVER RECORD DRAWINGS TO CITY ENGINEER OF RECORD.

[illegible][illegible]

THIS DRAWING IS THE PROPERTY OF R.P. BARKER & COMPANY, INC.

PLAN VIEW

(VARIABLE) SEE NOTE (6)

ELEVATION VIEW

PRECAST CONCRETE WATER PIT

8"

24"

TEMPORARY INLET PROTECTION TYPE 1

18" TO 2' Z (MIN.)

TOE-IN

FILTER FABRIC

COMPACTED FILL

8" (NIP)

6" (MIN)

TYPE 2

18" TO 2' Z (MIN.)

TOE-IN

FILTER FABRIC

COMPACTED FILL

8" (NIP)

14" (MIN)

PLAN

INLET

SILT FENCE

FENCE POST (TYP.)

NOTE: TO REMAIN IN PLACE UNTIL SITE IS STABILIZED.

NOT TO SCALE

5 TYP

SILT FENCE WITH WIRE FABRIC

NOT TO SCALE

- METER BOXES 3" AND ABOVE SHALL BE SITE CONSTRUCTED OF THE MATERIALS AND TO THE DIMENSIONS SPECIFIED HEREIN.
- LOADS ON METER BOXES WITHIN THE TRAVELED WAY MUST WITHSTAND HEAVY SUPERIMPOSED LOADS. EACH MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE INDIVIDUAL ENVIRONMENT IN WHICH IT IS USED.

- PLACES WHERE INDICATED ON PLANS, FILTER FABRIC SHALL BE 3' APART.
- SYNTHETIC FILTER FABRIC SHALL BE ON SCOD APPROVED MATERIALS LIST #3-4.
- FILTER FABRIC SHALL BE CUT TO A MINIMUM WIDTH OF 36 INCHES.
- ATTACH FABRIC TO STEEL POSTS USING HEAVY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SLIPPING OR TEARING OF THE FABRIC. TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES.
- CONTRACTOR SHALL PERFORM INSPECTION AND MAINTENANCE OF SILT FENCES WITHIN 14 DAYS FOLLOWING RAINFALL EVENT THAT PRODUCES 1" OR MORE OF PRECIPITATION ENSURING FENCES ARE ERECT AND CLEAR, AND REPLACING ALL TORN FENCING.

6 TYP

TEMPORARY INLET PROTECTION

NOT TO SCALE

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RPB ENGINEERING

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