

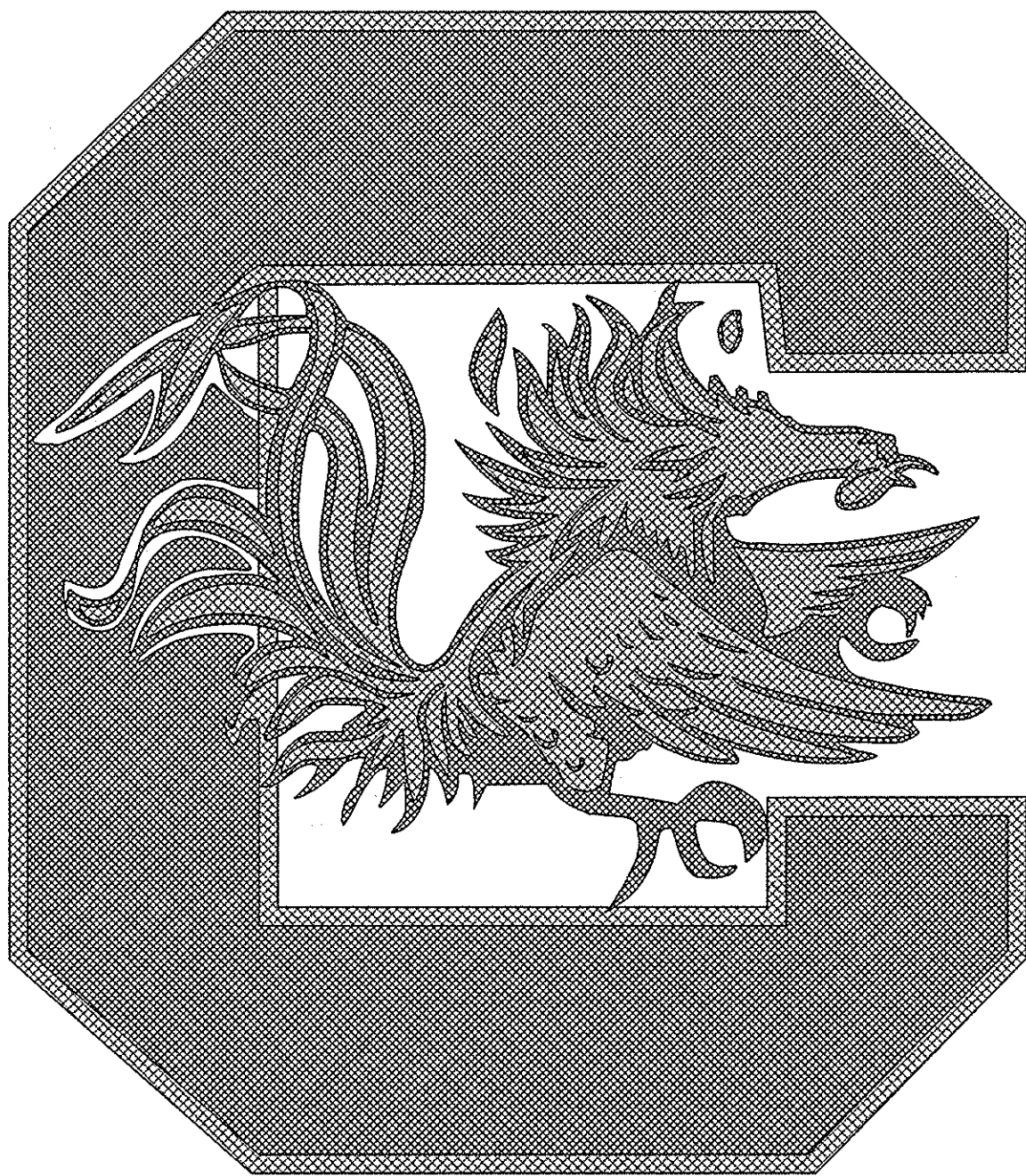
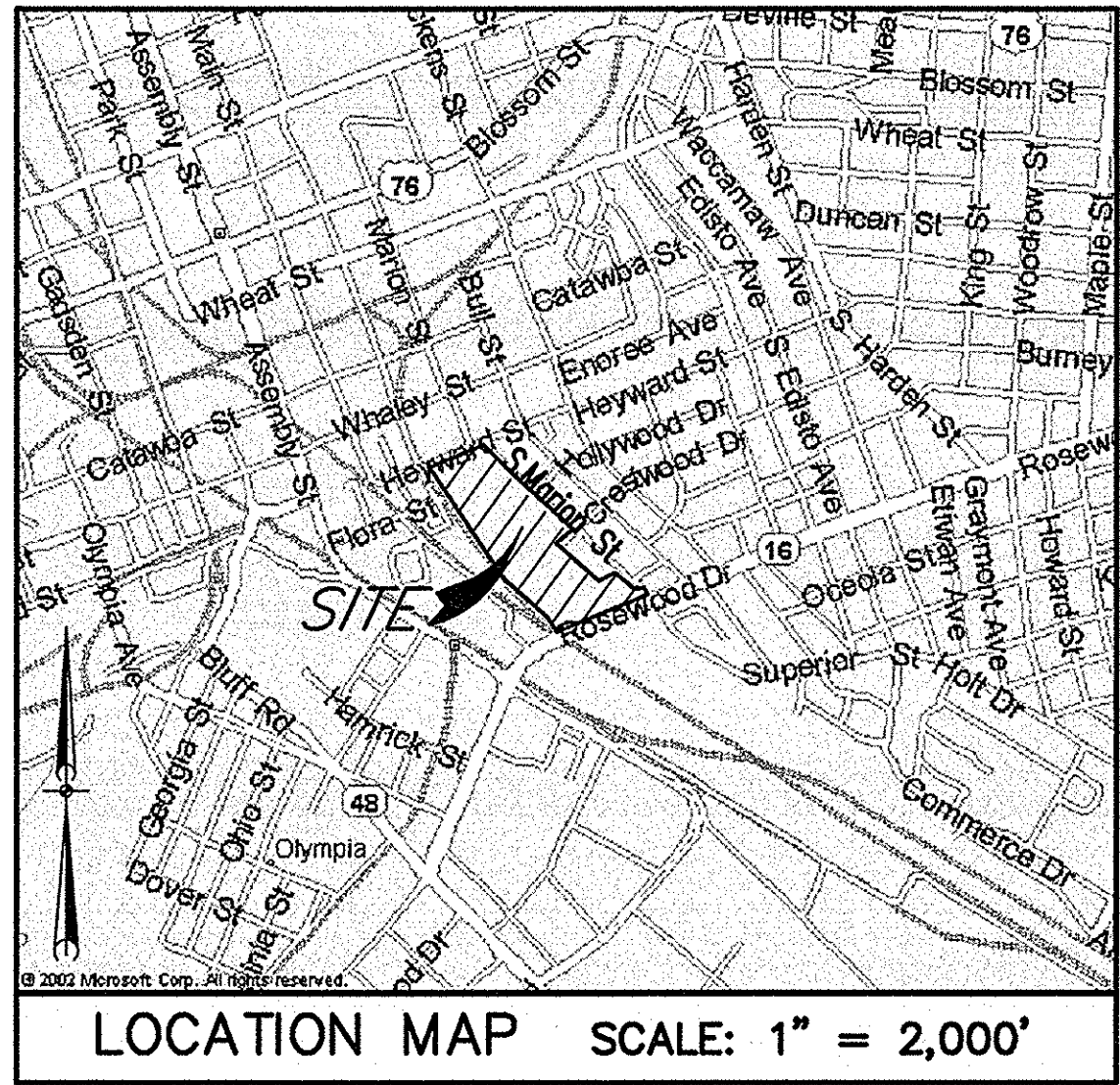
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ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION-  
**BECKHAM FIELD SITE UTILITIES**  
PROJECT NO. H27-6056-MJ-E

CONTRACTOR LICENSING NOTES:

1. THE PRIME BIDDER SHALL BE PROPERLY LICENSED IN ACCORDANCE WITH THE SOUTH CAROLINA CONTRACTORS' LICENSING LAWS.
2. THE PRIME BIDDER SHALL BE LICENSED TO PERFORM A MINIMUM OF 40% OF THE LICENSED WORK OF THE PROJECT.



SHEET

COVER SHEET  
EXISTING CONDITIONS & DEMOLITION PLAN  
WATER PLAN  
WATER DETAILS  
ELECTRICAL SITE PLAN  
ELECTRICAL SINGLE LINE DIAGRAMS  
ELECTRICAL DETAILS

SHEET INDEX

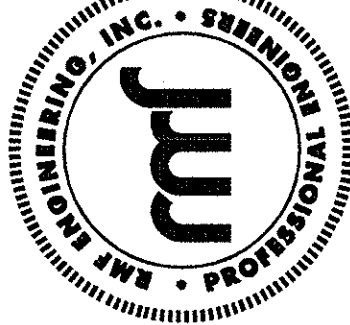
SHEET NO.

C1  
C2  
C3  
E1  
E2  
E3

OWNER/DEVELOPER

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

RMF ENGINEERING, INC.  
194 SEVEN FARMS DRIVE  
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CHARLESTON, SC 29492  
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101 Research Drive  
Columbia, South Carolina 29203  
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www.URSCorp.com

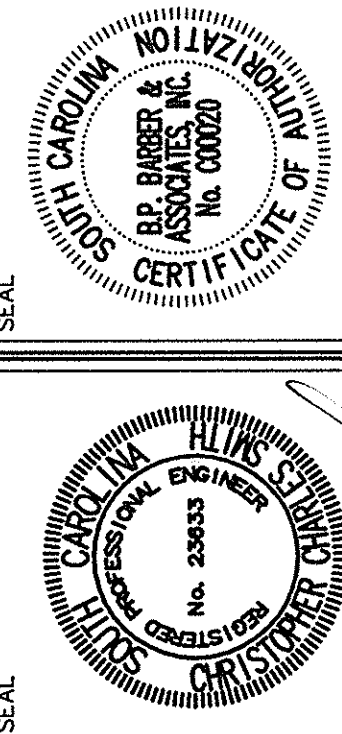
REVISED 06-07-12

MAY 14, 2012

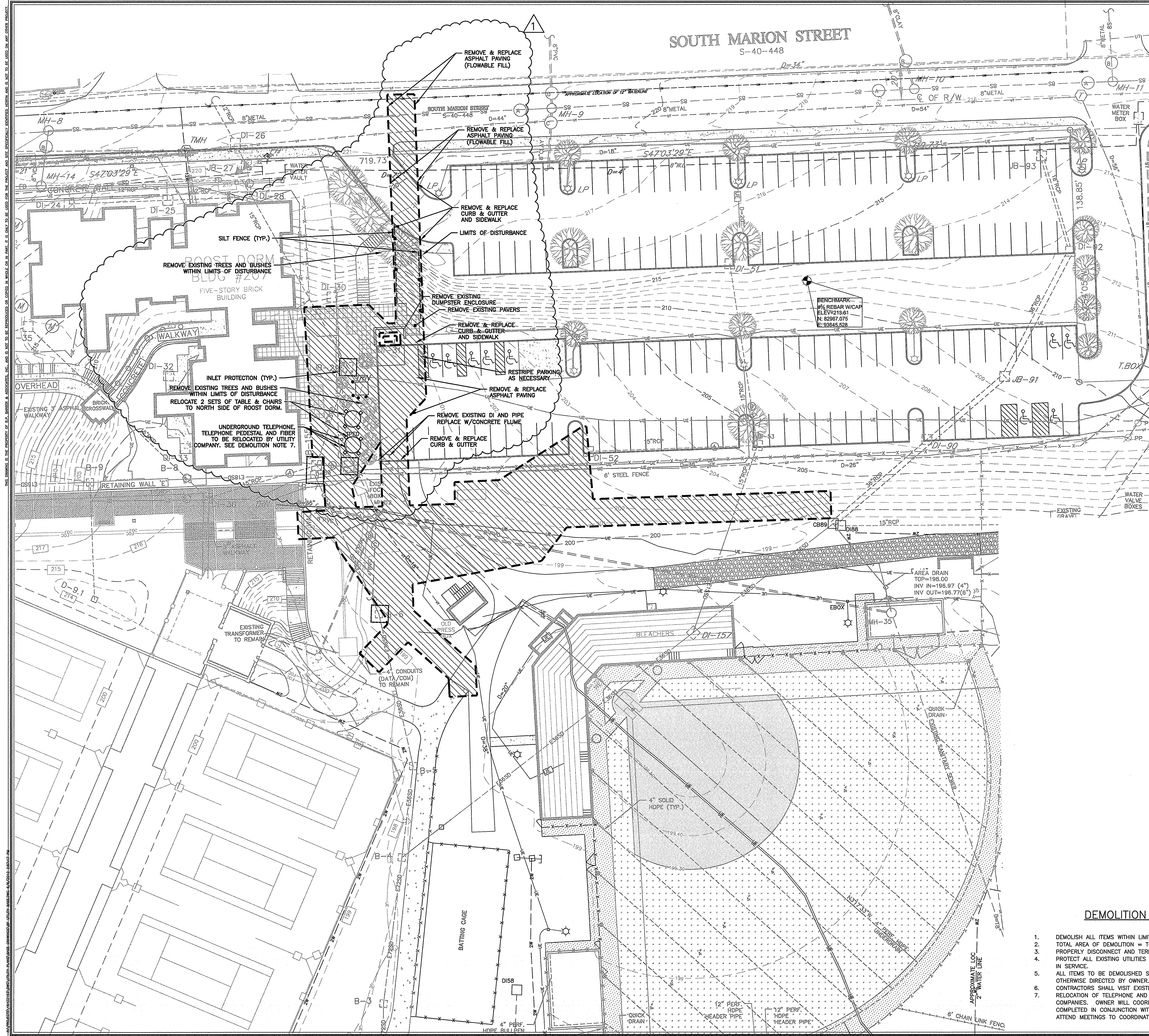
PROJECT NO.  
46421565

FILE NO.  
35,898-B89

**URS**

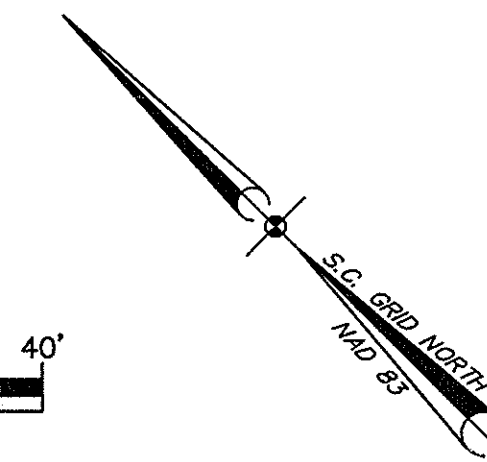
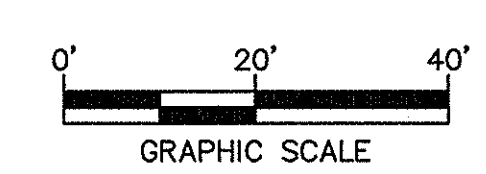






LEGEND

- SIDEWALK
- BUILDINGS
- STORM DRAIN
- SANITARY SEWER
- WATER
- CONTOUR
- SPOT ELEVATION
- GRASS
- SKINNED INFELD
- WARNING TRACK
- LIMITS OF DEMOLITION
- SILT FENCE
- INLET PROTECTION



DEMOLITION NOTES

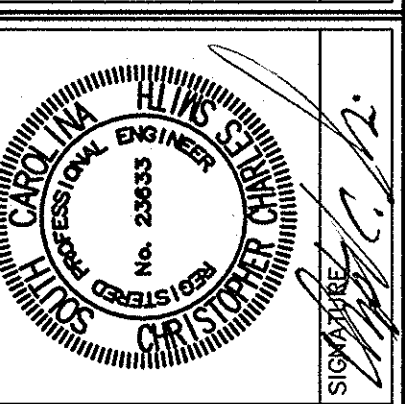
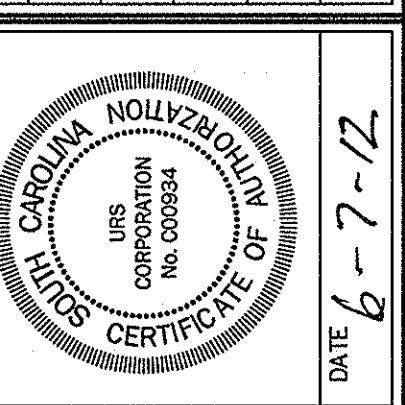
- DEMOLISH ALL ITEMS WITHIN LIMITS OF DEMOLITION WHICH INTERFERE WITH NEW WORK.
- TOTAL AREA OF DEMOLITION = TOTAL AREA OF LAND DISTURBANCE = 0.41 ACRE.
- PROPERLY DISCONNECT AND TERMINATE ALL EXISTING UTILITIES PRIOR TO DEMOLITION.
- PROTECT ALL EXISTING UTILITIES WITHIN LIMITS OF DEMOLITION WHICH ARE TO REMAIN IN SERVICE.
- ALL ITEMS TO BE DEMOLISHED SHALL BE PROPERLY DISPOSED OFF-SITE, UNLESS OTHERWISE DIRECTED BY OWNER.
- CONTRACTORS SHALL VISIT EXISTING SITE PRIOR TO BIDDING.
- RELOCATION OF TELEPHONE AND FIBER LINES SHALL BE PERFORMED BY UTILITY COMPANIES. OWNER WILL COORDINATE WITH UTILITY COMPANIES TO HAVE RELOCATIONS COMPLETED IN CONJUNCTION WITH THIS WORK. CONTRACTOR MAY BE REQUIRED TO ATTEND MEETINGS TO COORDINATE FINAL PATHWAYS AND ELEVATIONS.

RMF ENGINEERING, INC.  
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FAX: 843-971-9641  
www.rmfi.com



| REVISIONS                                    | DATE     | BY  |
|----------------------------------------------|----------|-----|
| DESCRIPTION                                  | 06-01-12 | SSJ |
| PER CITY OF COLUMBIA COMMENTS DATED 06-01-12 |          |     |

| APPROVALS | PROJECT ENG | DESIGNED BY | CHECKED BY | DATE |
|-----------|-------------|-------------|------------|------|
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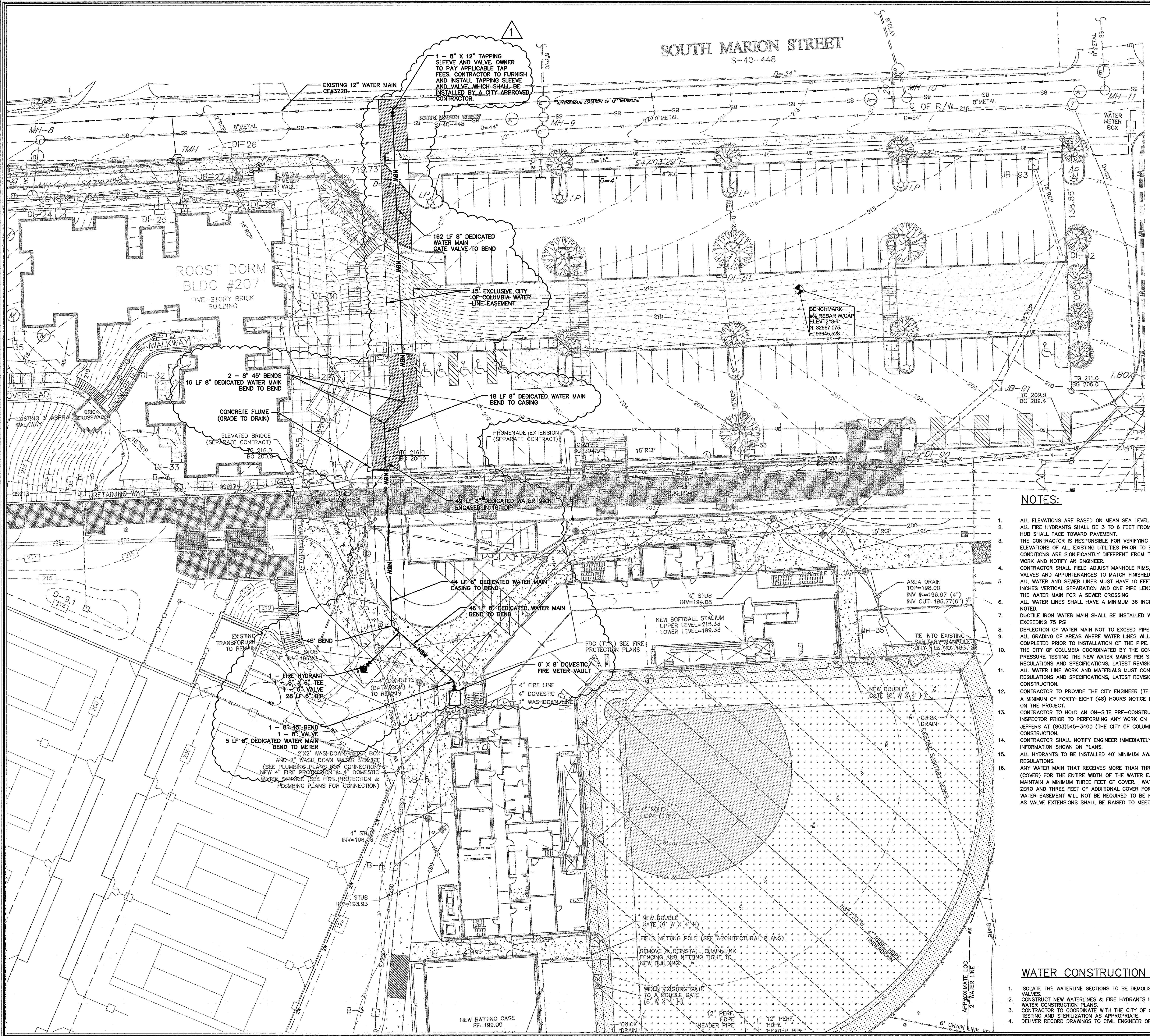


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**EXISTING CONDITIONS & DEMOLITION PLAN**  
SHEET TITLE  
DATE: MAY 14, 2012  
SCALE: 1"=20'

|             |                                                          |
|-------------|----------------------------------------------------------|
| PROJECT     | ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION |
| DWG NAME    | BECKHAM FIELD SITE UTILITIES                             |
| N.B. NO.    | 2279                                                     |
| REF.        | 35,870-B89                                               |
| PROJECT NO. | 46421565                                                 |
| FILE NO.    | 35,898-B89                                               |





**LEGEND**

SIDWALK  
ASPHALT PAVEMENT  
EXISTING WATER  
PROPOSED WATER  
CONTOUR  
PROPOSED FH  
PROPOSED GV

**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

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- NOTES:**
- ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM.
  - ALL HYDRANTS SHALL BE 3 TO 6 FEET FROM THE EDGE OF PAVEMENT. LARGE HUB SHALL FACE TOWARD PAVEMENT.
  - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. IF CONDITIONS ARE SIGNIFICANTLY DIFFERENT FROM THAT SHOWN ON THE PLANS, STOP WORK AND NOTIFY AN ENGINEER.
  - CONTRACTOR SHALL FIELD ADJUST MANHOLE RIMS, CLEANOUTS, FIRE HYDRANTS, VALVES AND APPURTENANCES TO MATCH FINISHED GROUND ELEVATION.
  - ALL WATER AND SEWER LINES MUST HAVE 10 FEET HORIZONTAL SEPARATION, 18 INCHES VERTICAL SEPARATION AND ONE PIPE LENGTH MUST BE CENTERED UNDER THE WATER MAIN FOR A SEWER CROSSING.
  - ALL WATER LINES SHALL HAVE A MINIMUM 36 INCHES OF COVER UNLESS OTHERWISE NOTED.
  - DUCTILE IRON WATER MAIN SHALL BE INSTALLED WHERE STATIC PRESSURES EXCEEDING 75 PSI.
  - DEFLECTION OF WATER MAIN NOT TO EXCEED PIPE MANUFACTURER'S CRITERIA.
  - ALL GRADING OF AREAS WHERE WATER LINES WILL BE INSTALLED MUST BE COMPLETED PRIOR TO INSTALLATION OF THE PIPE.
  - THE CITY OF COLUMBIA COORDINATED BY THE CONTRACTOR IS RESPONSIBLE FOR PRESSURE TESTING THE NEW WATER MAINS PER S.C.D.H.E.C. AND CITY OF COLUMBIA REGULATIONS AND SPECIFICATIONS, LATEST REVISION.
  - ALL WATER LINE WORK AND MATERIALS MUST CONFORM TO THE CITY OF COLUMBIA REGULATIONS AND SPECIFICATIONS, LATEST REVISION, AT THE BEGINNING OF CONSTRUCTION.
  - CONTRACTOR TO PROVIDE THE CITY ENGINEER (TELEPHONE #803-545-3400) WITH A MINIMUM OF FORTY-EIGHT (48) HOURS NOTICE PRIOR TO PERFORMING ANY WORK ON THE PROJECT.
  - CONTRACTOR TO HOLD AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE CITY INSPECTOR PRIOR TO PERFORMING ANY WORK ON THE PROJECT. CONTACT JEFF JEFFERS AT (803)545-3400 (THE CITY OF COLUMBIA). FOR APPROVAL PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF CONDITIONS VARY FROM INFORMATION SHOWN ON PLANS.
  - ALL HYDRANTS TO BE INSTALLED 40' MINIMUM AWAY FROM BUILDINGS PER N.F.P.A. REGULATIONS.
  - ANY WATER MAIN THAT RECEIVES MORE THAN THREE FEET OF ADDITIONAL FILL (COVER) FOR THE ENTIRE WIDTH OF THE WATER EASEMENT SHALL BE RAISED TO MAINTAIN A MINIMUM THREE FEET OF COVER. WATER MAINS THAT RECEIVE BETWEEN ZERO AND THREE FEET OF ADDITIONAL COVER FOR THE ENTIRE WIDTH OF THE WATER EASEMENT WILL NOT BE REQUIRED TO BE RAISED BUT APPURTENANCES SUCH AS VALVE EXTENSIONS SHALL BE RAISED TO MEET NEW GRADE.

- WATER CONSTRUCTION SEQUENCE**
- ISOLATE THE WATERLINE SECTIONS TO BE DEMOLISHED USING ON-SITE VALVES.
  - CONSTRUCT NEW WATERLINES & FIRE HYDRANTS IN ACCORDANCE WITH THE WATER CONSTRUCTION PLANS.
  - CONTRACTOR TO COORDINATE WITH THE CITY OF COLUMBIA TO PERFORM TESTING AND STERILIZATION AS APPROPRIATE.
  - DELIVER RECORD DRAWINGS TO CIVIL ENGINEER OF RECORD.

|                                                          |  |               |  |
|----------------------------------------------------------|--|---------------|--|
| PROJECT                                                  |  | SHEET         |  |
| ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION |  | C2            |  |
| BECKHAM FIELD                                            |  | OF            |  |
| SITE UTILITIES                                           |  | 3             |  |
| FOR                                                      |  |               |  |
| UNIVERSITY OF SOUTH CAROLINA                             |  |               |  |
| IN THE CITY OF COLUMBIA                                  |  |               |  |
| RICHLAND COUNTY, S.C.                                    |  |               |  |
| DATE: MAY 14, 2012                                       |  | SCALE: 1"=20' |  |
| PROJECT                                                  |  | SHEET         |  |
| DWG NAME                                                 |  | C2            |  |
| N.B. NO.                                                 |  | 2279          |  |
| REF.                                                     |  | 35,870-B89    |  |
| PROJECT NO.                                              |  | 46421565      |  |
| FILE NO.                                                 |  | 35,898-B89    |  |

**WATER PLAN**

URS

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Columbia, South Carolina 29203  
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**REVISIONS**

| NO. | DATE     | BY  | DESCRIPTION                                  |
|-----|----------|-----|----------------------------------------------|
| 1   | 06-01-12 | SSJ | PER CITY OF COLUMBIA COMMENTS DATED 06-01-12 |

**APPROVALS**

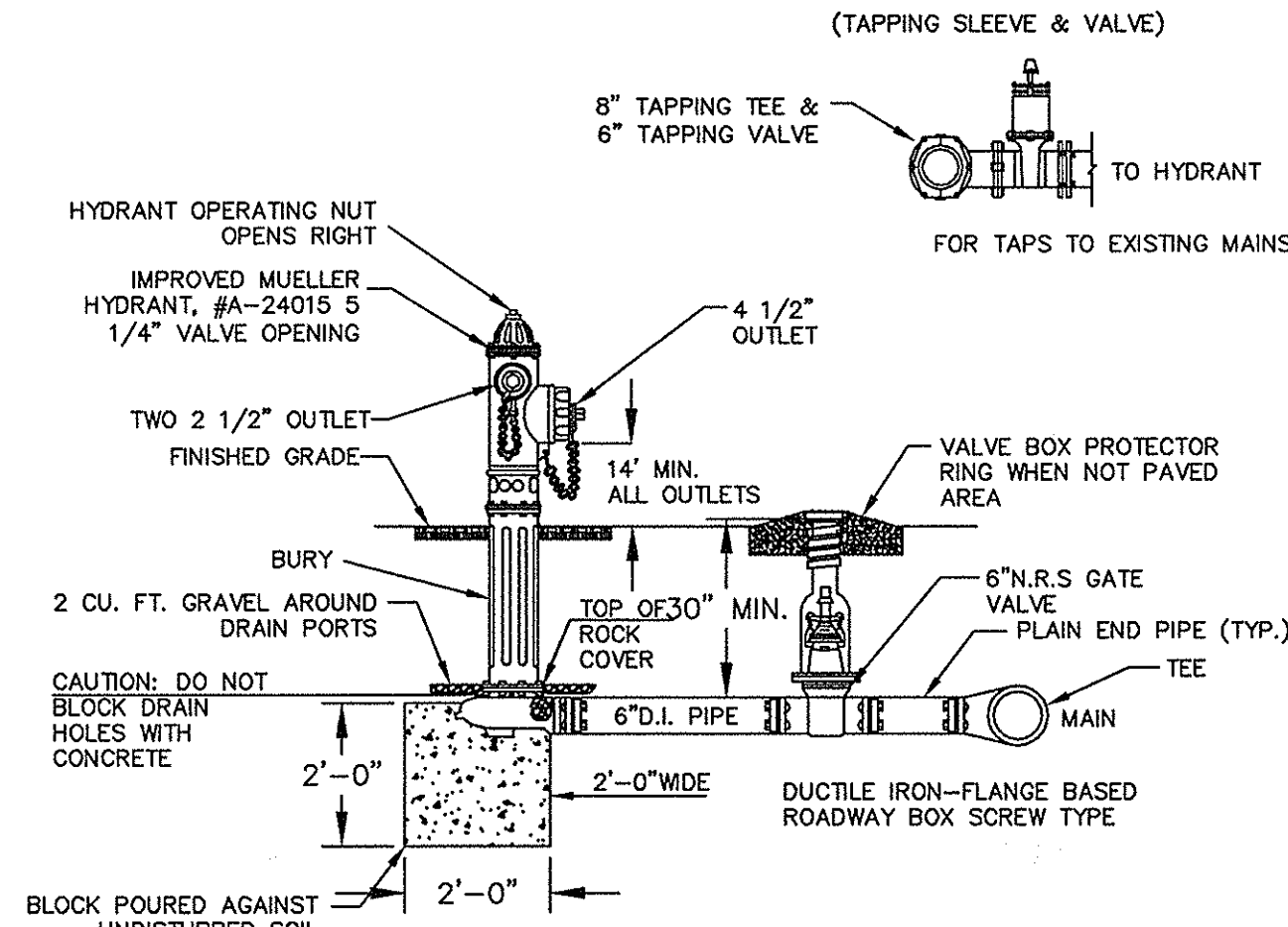
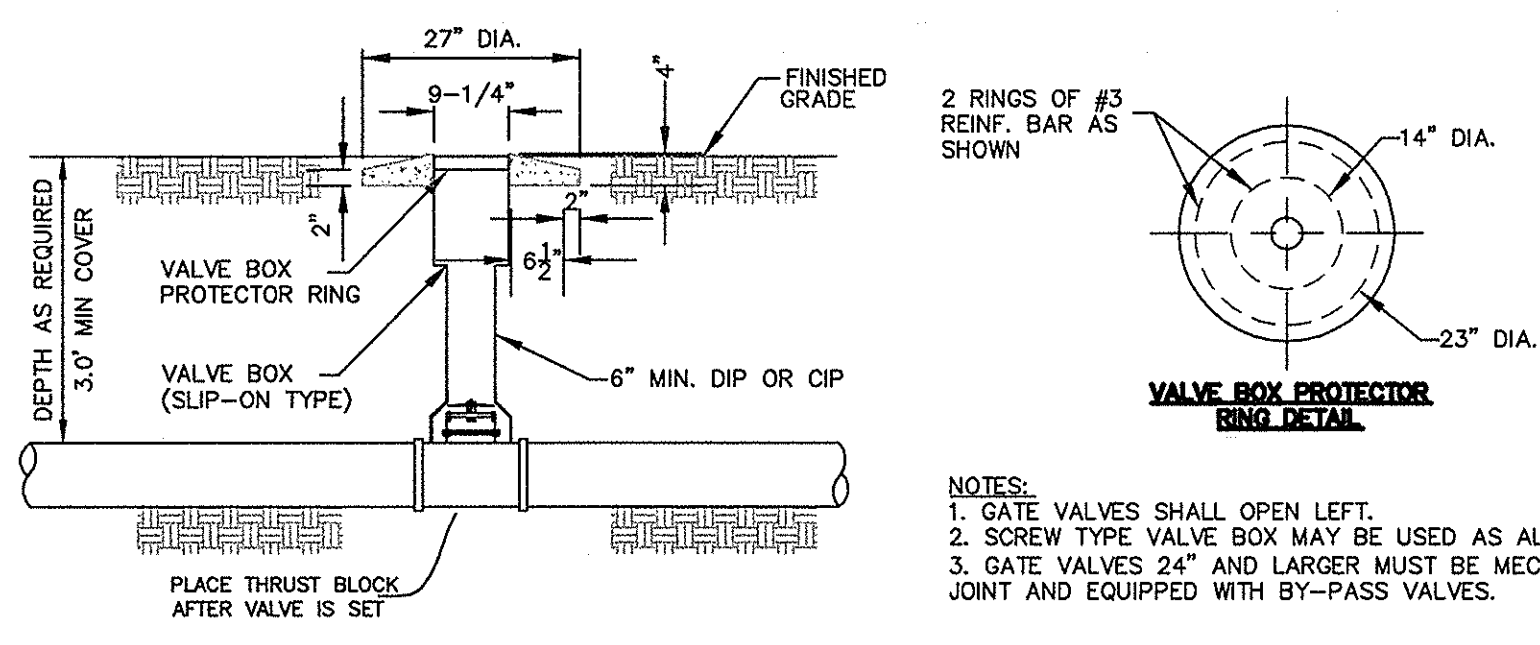
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| PROJECT ENG. | DESIGNED BY | CHECKED BY | APPROVED |

**LEGEND**

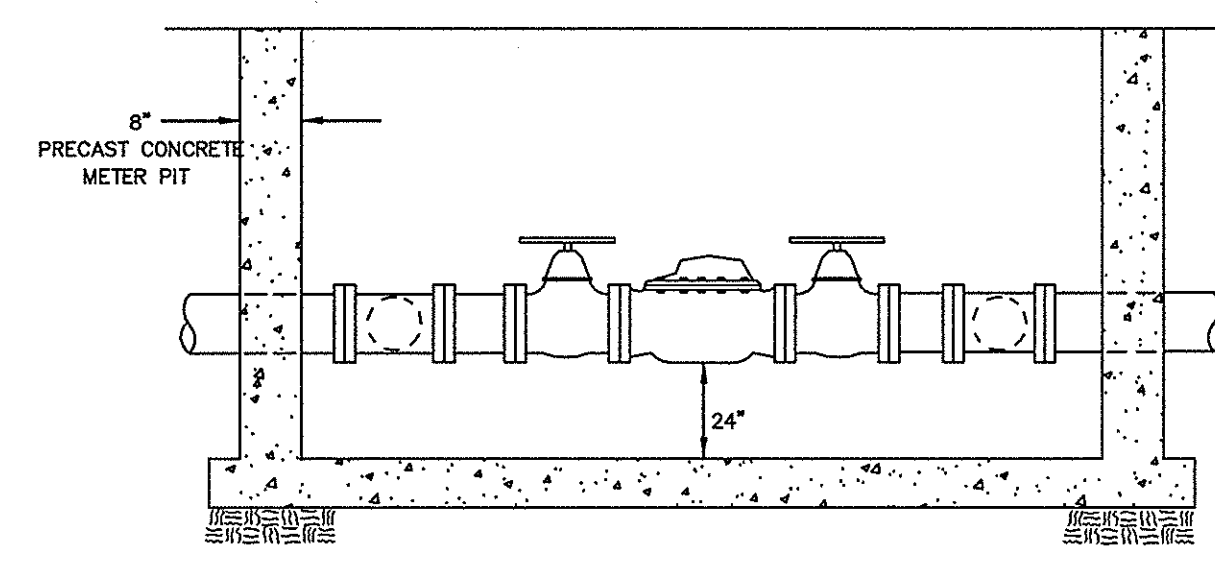
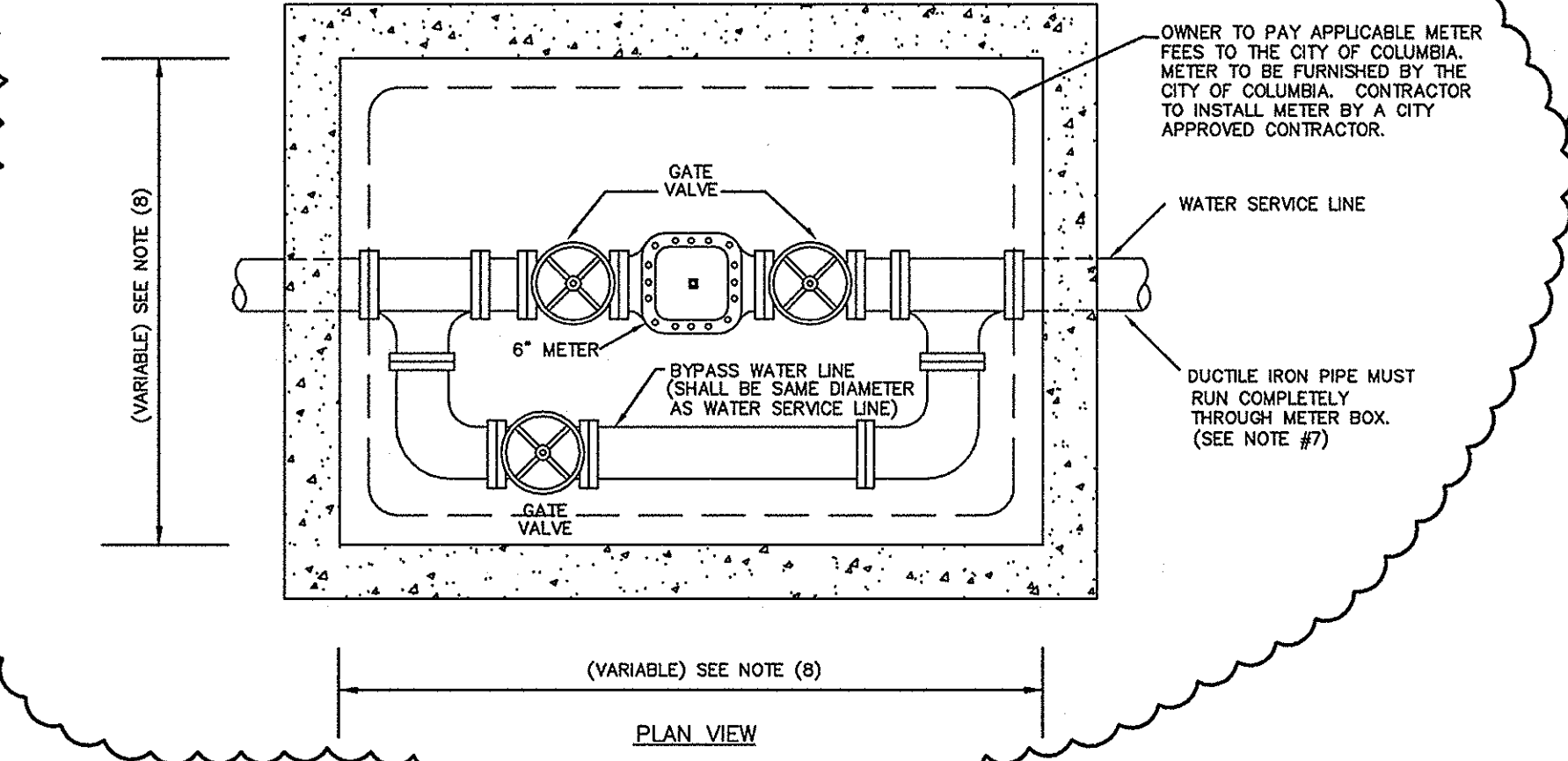
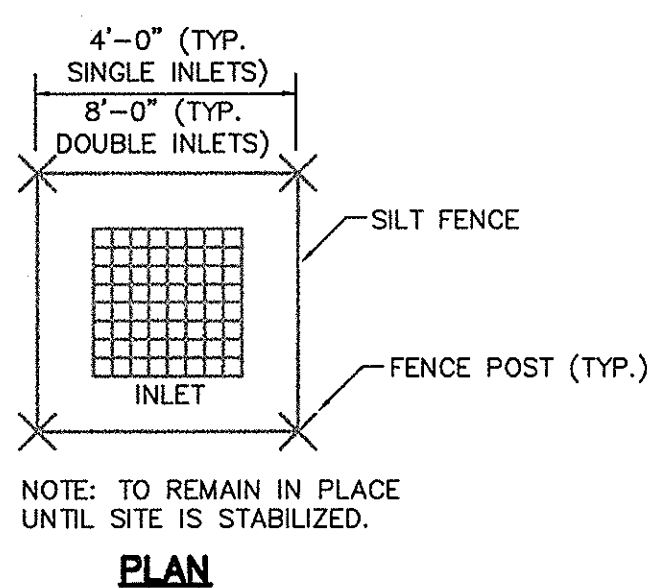
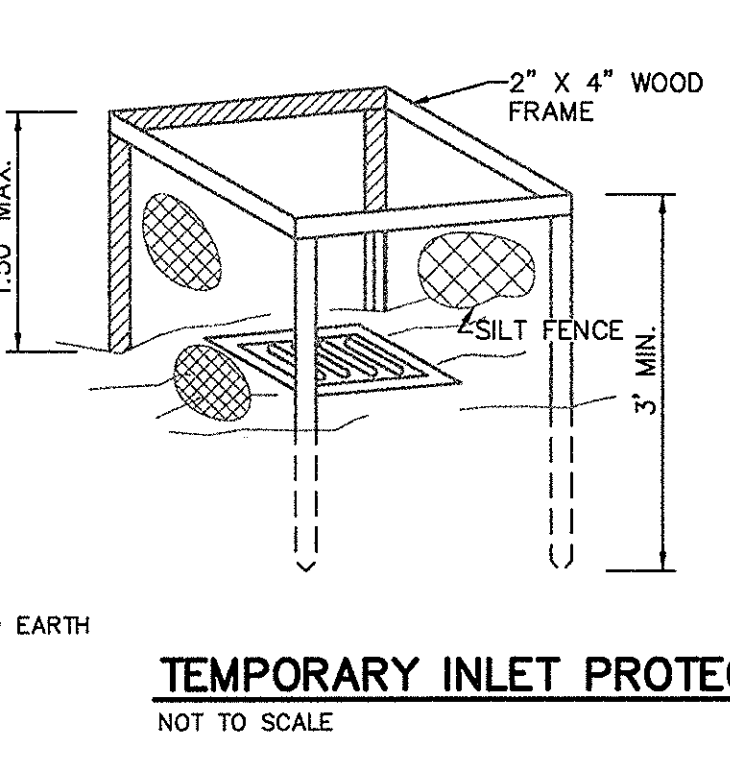
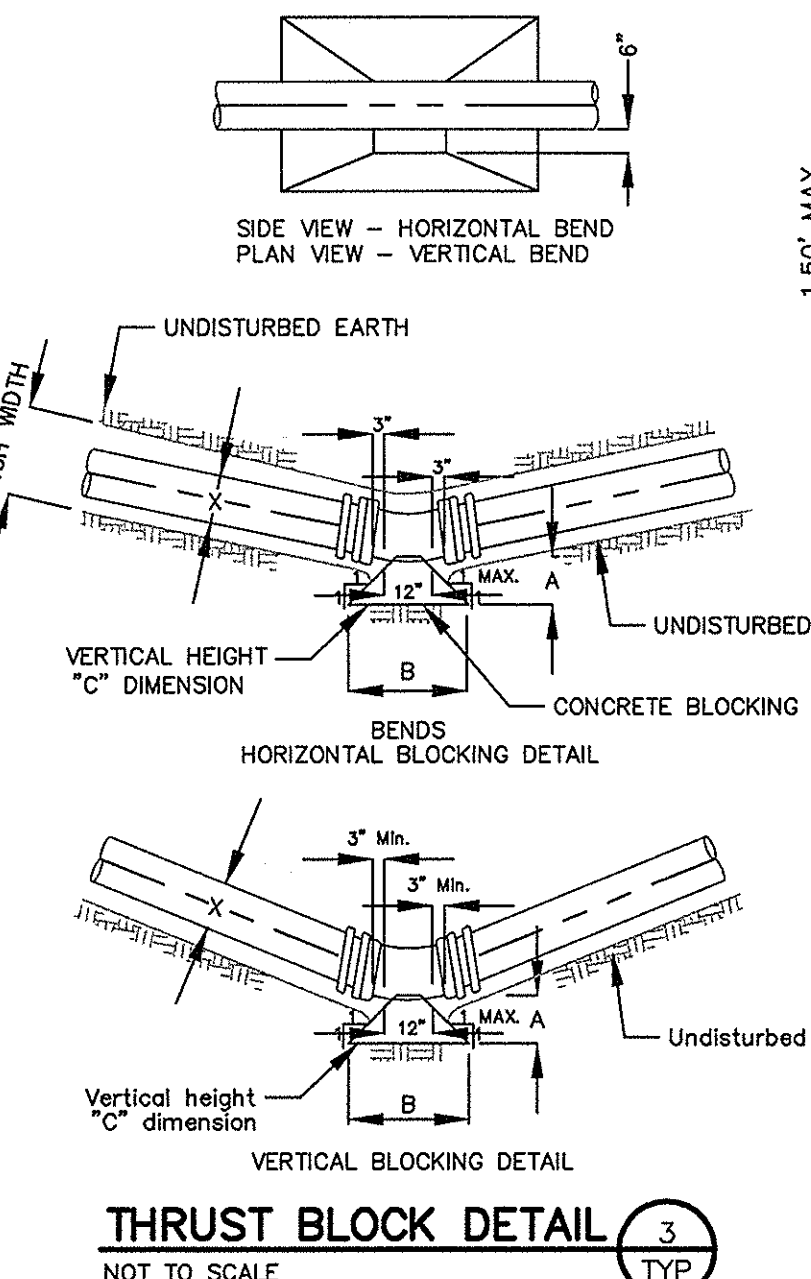
SIDWALK  
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EXISTING WATER  
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CONTOUR  
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PROPOSED GV



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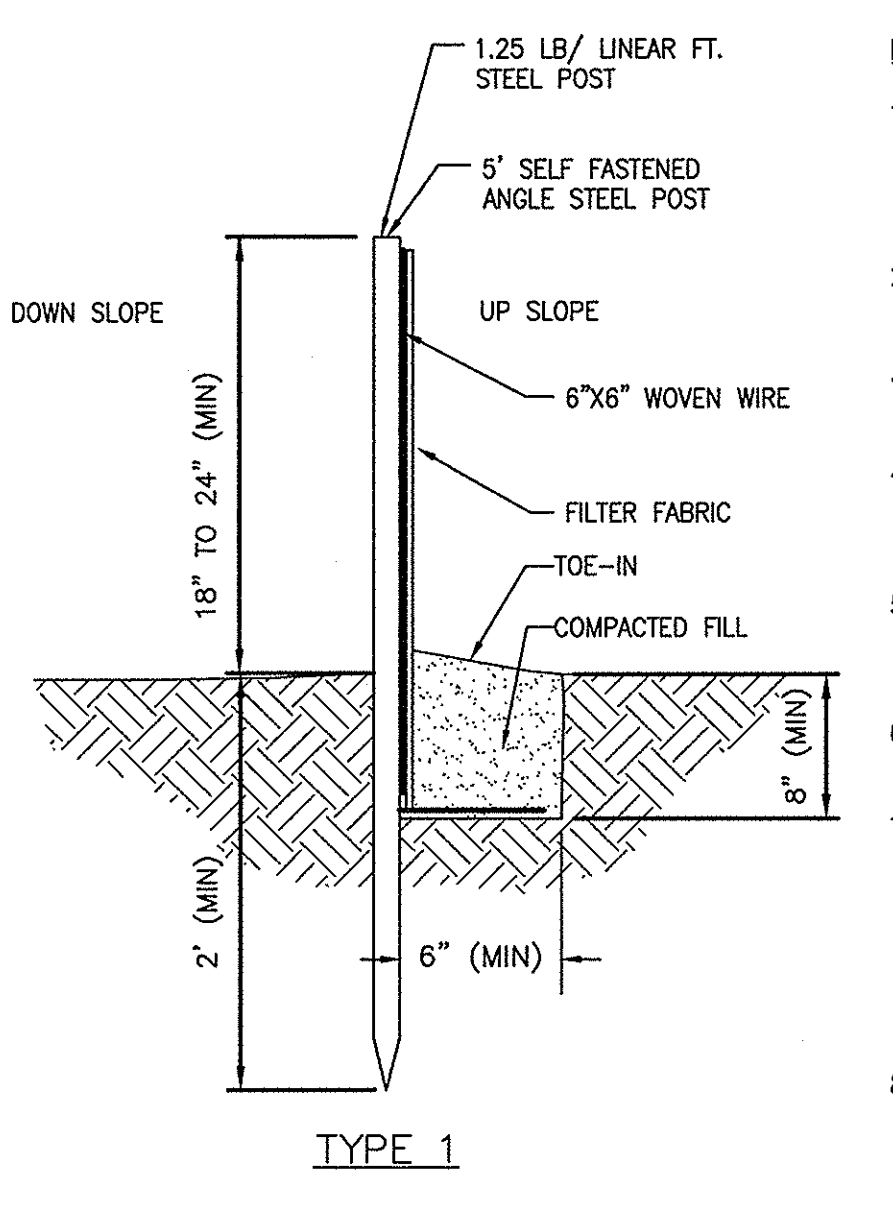


| CONCRETE BLOCKING DIMENSIONS |       |       |        |       |      |
|------------------------------|-------|-------|--------|-------|------|
| PIPE SIZE X                  | A     | B     | C      | MBA*2 | *1   |
| (DENOTES BRANCH SIZE) TEES   |       |       |        |       |      |
| *2\"-6"                      | 2'-0" | 2'-0" | 1'-4"  | 2.7   | 0.13 |
| *8"                          | 2'-0" | 2'-6" | 1'-10" | 4.6   | 0.2  |
| *10"                         | 2'-6" | 3'-6" | 2'-0"  | 7     | 0.39 |
| *12"                         | 2'-6" | 4'-6" | 2'-3"  | 10.1  | 0.54 |
| 90 DEGREE BENDS              |       |       |        |       |      |
| *2\"-6"                      | 2'-0" | 2'-0" | 1'-3"  | 2.4   | 0.16 |
| *8"                          | 2'-0" | 3'-3" | 2'-0"  | 6.5   | 0.28 |
| *10"                         | 2'-6" | 4'-0" | 2'-6"  | 10    | 0.53 |
| *12"                         | 2'-6" | 5'-0" | 2'-9"  | 13.8  | 0.73 |
| 45 DEGREE BENDS              |       |       |        |       |      |
| *2\"-6"                      | 2'-0" | 2'-0" | 1'-0"  | 2     | 0.11 |
| *8"                          | 2'-0" | 2'-6" | 1'-5"  | 3.5   | 0.17 |
| *10"                         | 2'-6" | 3'-6" | 1'-8"  | 5.2   | 0.29 |
| *12"                         | 2'-6" | 4'-6" | 1'-8"  | 7.5   | 0.4  |
| 22 1/2 DEGREE BENDS          |       |       |        |       |      |
| *2\"-6"                      | 2'-0" | 2'-0" | 1'-0"  | 1     | 0.08 |
| *8"                          | 2'-0" | 1'-9" | 1'-0"  | 1.7   | 0.11 |
| *10"                         | 2'-6" | 2'-3" | 1'-3"  | 2.8   | 0.19 |
| *12"                         | 2'-6" | 2'-6" | 1'-6"  | 3.7   | 0.24 |
| 11 1/4 DEGREE BENDS          |       |       |        |       |      |
| *2\"-6"                      | 2'-0" | 1'-0" | 0'-6"  | 0.5   | 0.06 |
| *8"                          | 2'-0" | 1'-3" | 0'-9"  | 0.9   | 0.08 |
| *10"                         | 2'-6" | 1'-6" | 1'-0"  | 1.5   | 0.14 |
| *12"                         | 2'-6" | 2'-0" | 1'-0"  | 2     | 0.17 |



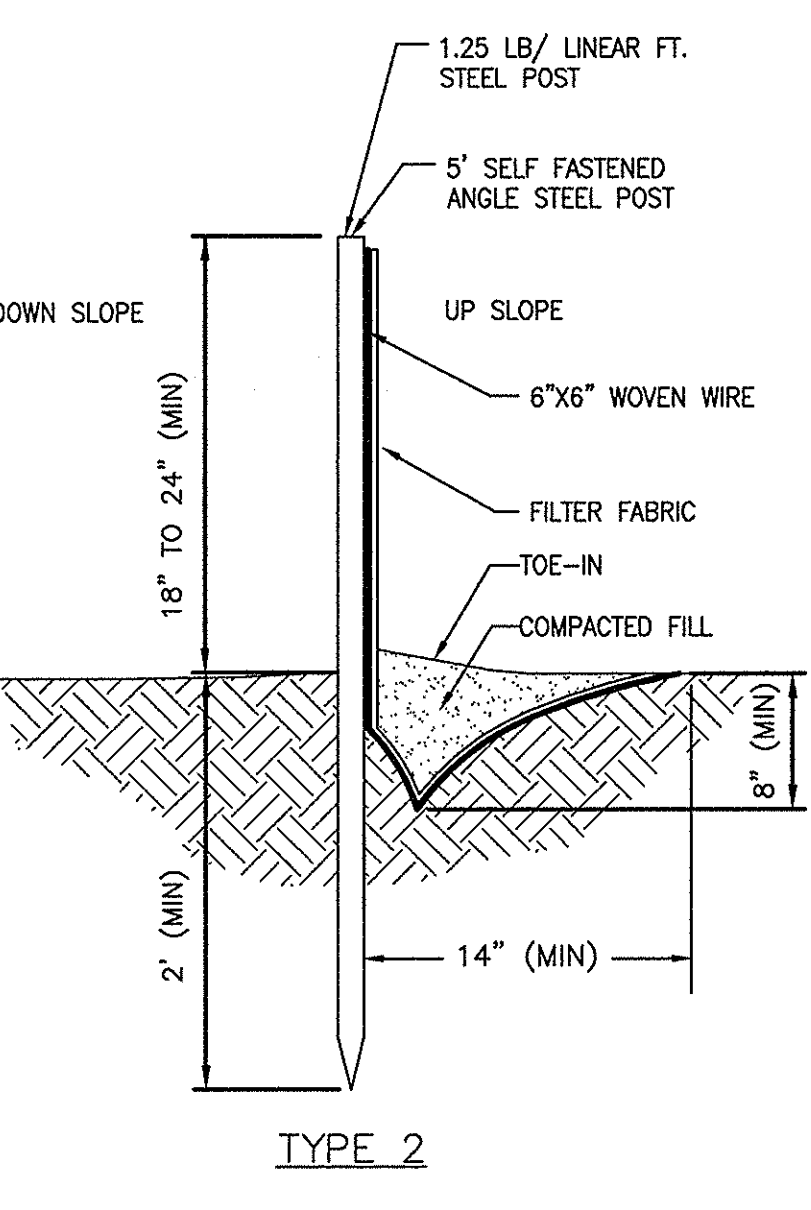
- (1) METER BOXES 3" AND ABOVE SHALL BE SITE CONSTRUCTED OF THE MATERIALS AND TO THE DIMENSIONS SPECIFIED HEREIN.
- (2) METER BOXES CONSTRUCTED WITHIN THE TRAVELED WAY MUST WITHSTAND HEAVY SUPERIMPOSED LOADS. EACH MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE INDIVIDUAL ENVIRONMENT IN WHICH IT IS TO BE USED. DETAILS/SHOP DRAWINGS AND DESIGN CALCULATIONS MUST BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION OF THE METER.
- (3) METER BOXES SHALL BE PROVIDED WITH A COVER FABRICATED FROM FLOOR PLATE STEEL WITH A NON-SKID SURFACE PRIMED AND PAINTED TO COVER ENTIRE BOX. THE COVER SHALL BE ABLE TO WITHSTAND H=20 LOADING.
- (4) COVERS MUST HAVE A HINGED 24"x24" INSPECTION LID IN THE CENTER OF THE COVER WITH LIFT HANDLES FOR MANIPULATING THE LID. COVER HANDLES MUST LAY FLAT AND BELOW SURFACE COVER.
- (5) THE BOX COVER SHALL BE FLUSH WITH THE SURROUNDING GROUND SURFACE AND SHALL HAVE 2" GUIDES ALONG ADJACENT SIDES TO PREVENT LATERAL MOVEMENT.
- (6) THE BOX SHALL BE CONSTRUCTED OF PRECAST CONCRETE.
- (7) SIX (6") INCHES OF NO. 5 CRUSHED STONE SHALL BE PLACED IN THE BOTTOM OF EACH BOX.
- (8) A TWENTY-FOUR (24") INCH CLEARANCE BETWEEN THE TOP OF THE STONE AND THE BOTTOM OF THE METER MUST BE PRESERVED.
- (9) DUCTILE IRON PIPE MUST RUN COMPLETELY THROUGH METER BOX.
- (10) BACKFLOW PREVENTORS SHALL MEET CITY OF COLUMBIA STANDARDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- (11) ALL METER BOXES SHALL HAVE THE FOLLOWING DIMENSIONS:
- | INSIDE DIMENSIONS OF BOX |          |             |
|--------------------------|----------|-------------|
| METER SIZE               | BOX SIZE | DEPTH       |
| 3", 4" & 6"              | 6" X 8"  | AS REQUIRED |
| 8" & 10"                 | 8" X 10" | AS REQUIRED |

TYPICAL METER BOX 4 TYP. NOT TO SCALE

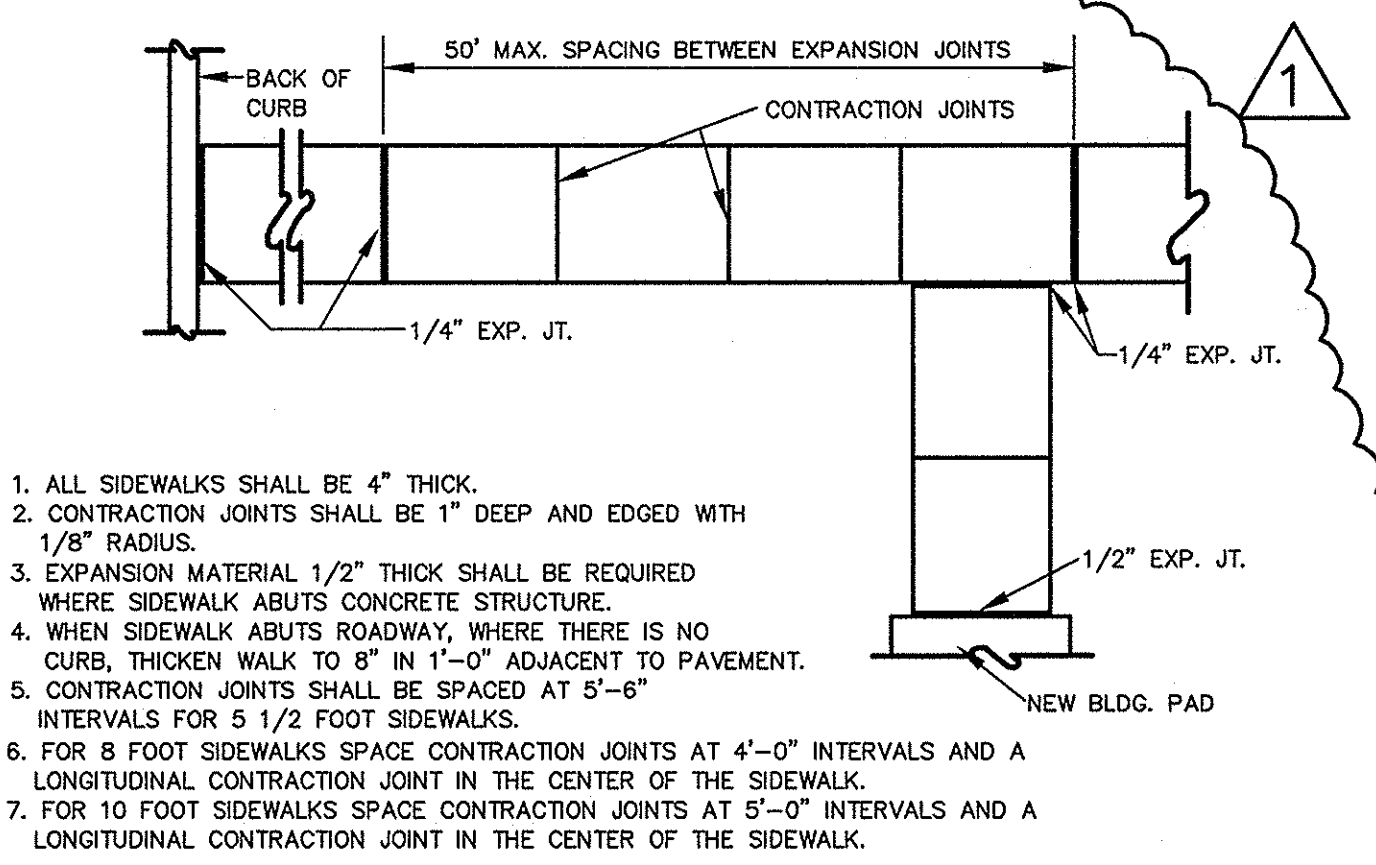
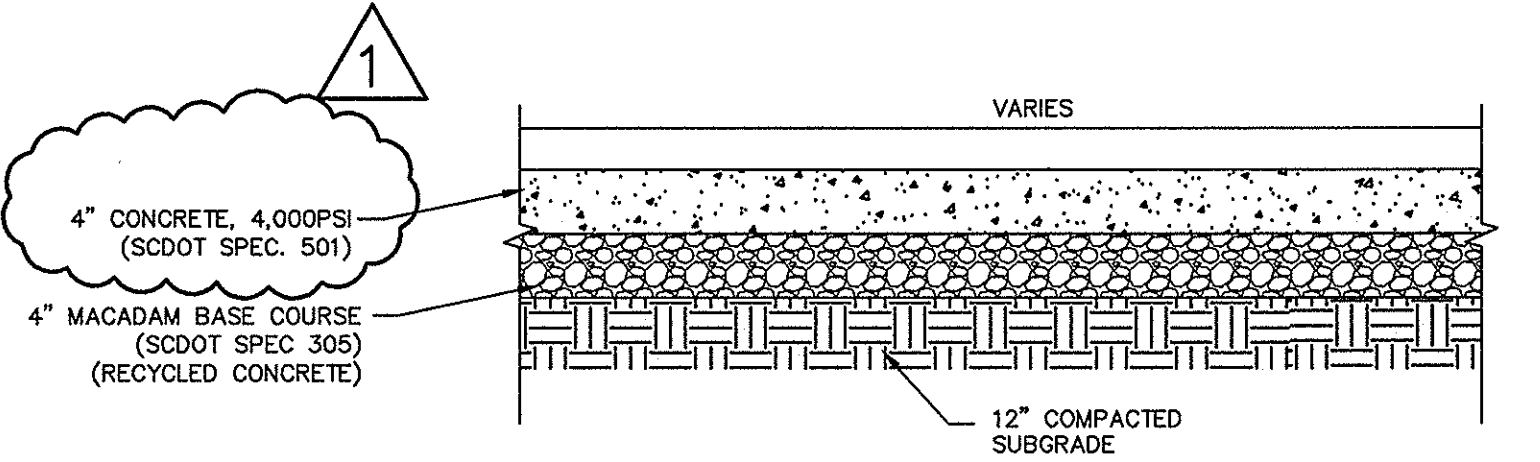


- NOTES:
1. USE TYPE 1 IN ALL OTHER CASES.
2. USE TYPE 2 IN AREAS WHERE TOE-IN CUT TRENCH IS DIFFICULT TO EXCAVATE.
3. USE WOVEN WIRE WHEN WETLANDS ARE WITHIN 50' OF FENCE.
4. DOUBLE ROW SILT FENCE TO BE PLACED WHERE INDICATED ON PLANS. FENCES SHALL BE 3' APART.
5. SYNTHETIC FILTER FABRIC SHALL BE ON SCODOT APPROVED MATERIALS LIST #34.
6. FILTER FABRIC SHALL BE CUT TO A MINIMUM WIDTH OF 36 INCHES.
7. ATTACH FABRIC TO STEEL POSTS USING HEAVY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES.
8. CONTRACTOR SHALL PERFORM INSPECTION AND MAINTENANCE OF SILT FENCES WITHIN 24 HRS FOLLOWING A RAINFALL EVENT THAT PRODUCES 1" OR MORE OF PRECIPITATION ENSURING FENCES ARE ERECT AND CLEAR, AND REPLACING ALL TORN FENCING.

SILT FENCE WITH WIRE FABRIC 5 TYP. NOT TO SCALE



SIDEWALK FINISHING DETAIL 12 TYP. NOT TO SCALE

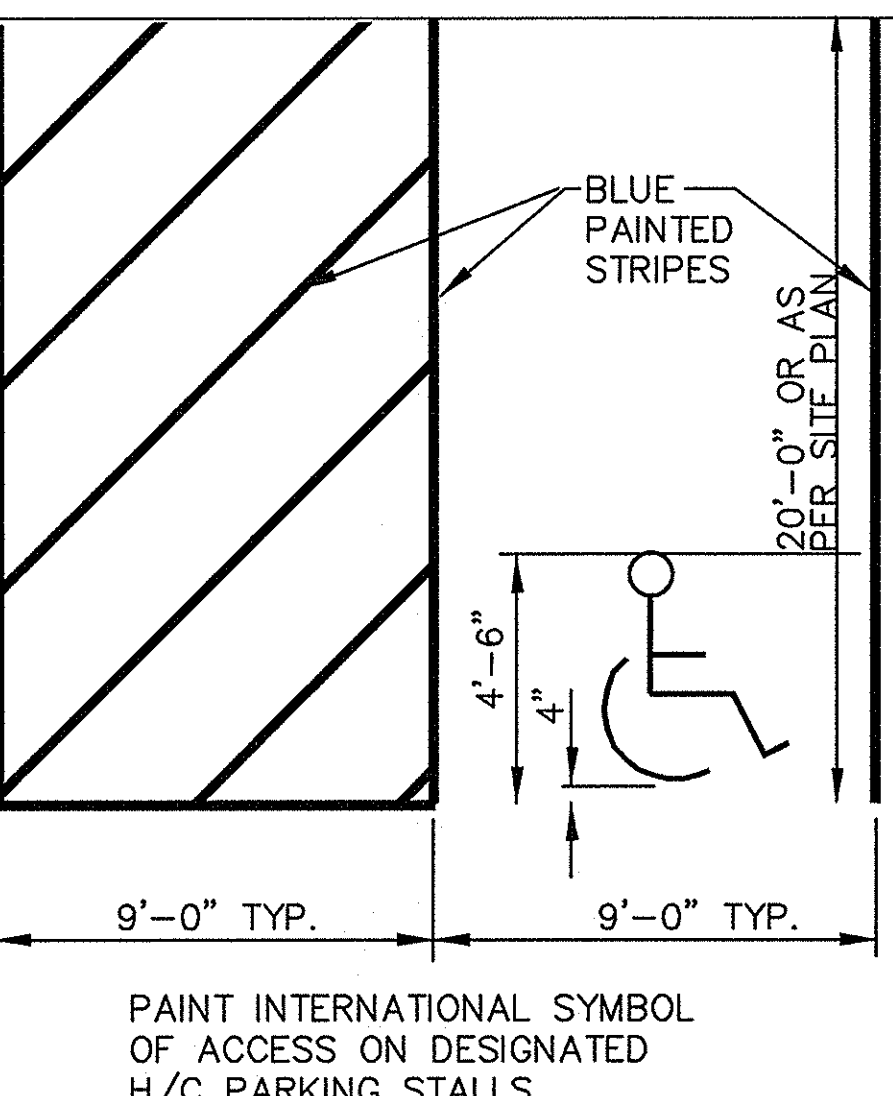
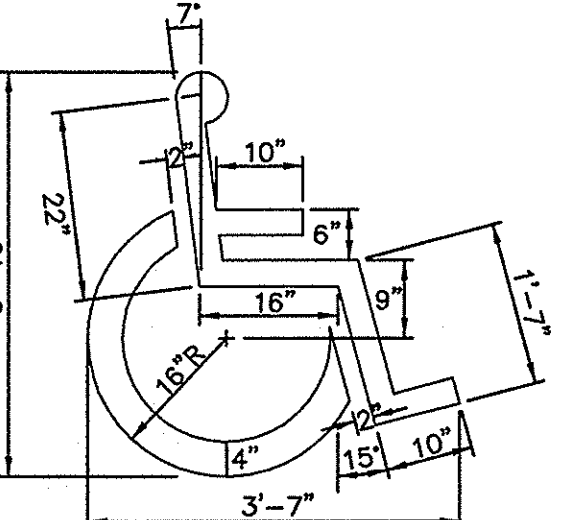


1. ALL SIDEWALKS SHALL BE 4" THICK.
2. CONTRACTION JOINTS SHALL BE 1" DEEP AND EDGED WITH 1/8" RADIUS.
3. EXPANSION MATERIAL 1/2" THICK SHALL BE REQUIRED WHERE SIDEWALK ABUTS CONCRETE STRUCTURE.
4. WHEN SIDEWALK ABUTS ROADWAY, WHERE THERE IS NO CURB, THROWN WALK TO 8" IN 1'-0" ADJACENT TO PAVEMENT.
5. CONTRACTION JOINTS SHALL BE SPACED AT 5'-6" INTERVALS FOR 5 1/2 FOOT SIDEWALKS.
6. FOR 8 FOOT SIDEWALKS SPACE CONTRACTION JOINTS AT 4'-0" INTERVALS AND A LONGITUDINAL CONTRACTION JOINT IN THE CENTER OF THE SIDEWALK.
7. FOR 10 FOOT SIDEWALKS SPACE CONTRACTION JOINTS AT 5'-0" INTERVALS AND A LONGITUDINAL CONTRACTION JOINT IN THE CENTER OF THE SIDEWALK.

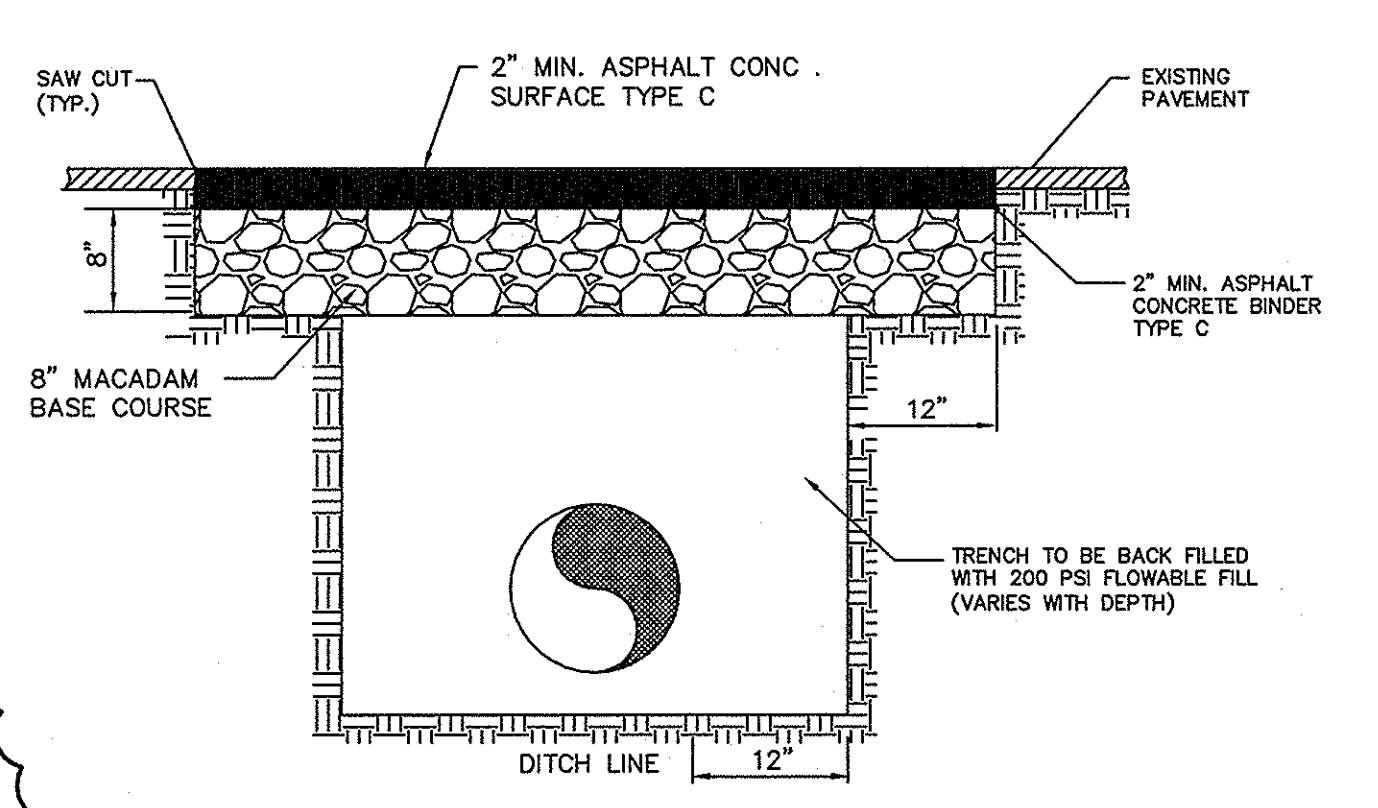
PAINT. THE PAINT SHALL BE WHITE TRAFFIC PAINT CONFORMING TO SECTION 710.06 OF THE SOUTH CAROLINA STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

STRIPING. PRIOR TO APPLICATION OF STRIPING PAINT, ASPHALT SURFACES SHOULD BE CLEANED OF MATERIAL THAT WOULD PREVENT ADHERENCE OF PAINT. PAINT SHALL BE APPLIED ONLY TO A DRY SURFACE USING EITHER TEMPLATE OF STRIPING MACHINE. STRIPES SHALL BE 4" WIDE OF UNIFORM HEIGHT WITH NO "SKIPS" OR BARE SPOTS. FINISHED STRIPING SHALL BE APPROVED BY THE OWNER.

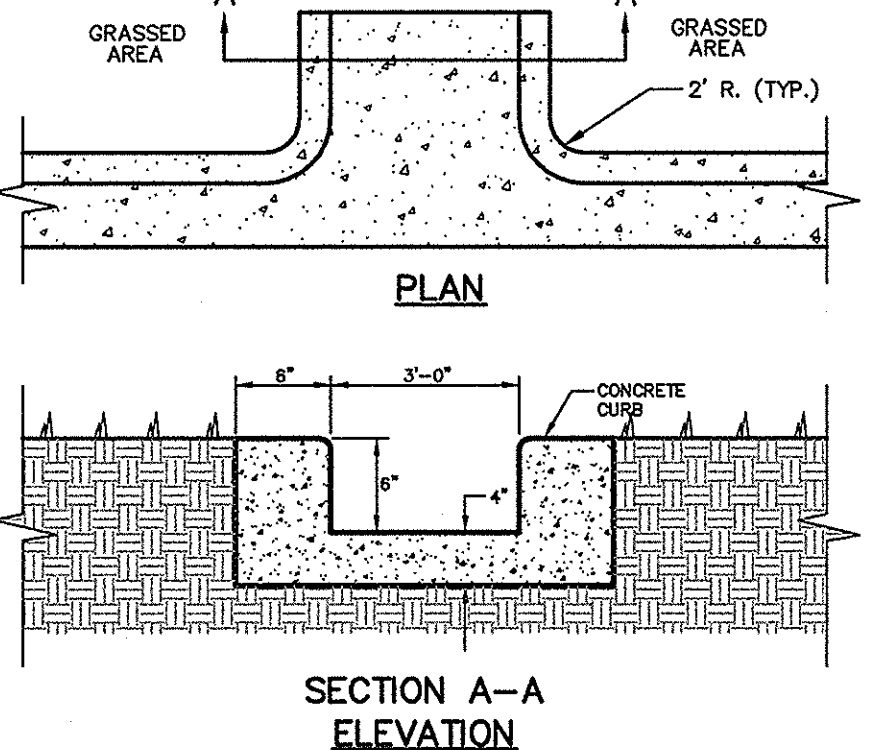
PARKING LOT PAINTING STANDARDS 16 TYP. NOT TO SCALE



PARKING STALL STRIPING DETAIL 14 TYP. NOT TO SCALE



PAVEMENT REPAIR SECTION 11 TYP. NOT TO SCALE



CONCRETE FLUME DETAIL 10 TYP. SCALE: NONE

| REVISIONS | BY  | DATE     | DESCRIPTION                                  |
|-----------|-----|----------|----------------------------------------------|
|           | SSJ | 06-01-12 | PER CITY OF COLUMBIA COMMENTS DATED 06-01-12 |

| APPROVALS | PROJECT ENG. | DESIGNED BY | CHECKED BY | APPROVED |
|-----------|--------------|-------------|------------|----------|
|           |              |             |            |          |

COLUMBIA ENGINEERING, INC. NOLLYZARDIN  
URS  
NORTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
DATE: 6-7-12

COLUMBIA ENGINEERING, INC. NOLLYZARDIN  
URS  
NORTH CAROLINA  
REGISTERED PROFESSIONAL ENGINEER  
DATE: 6-7-12

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Telephone (803) 254-4400 : Fax (803) 771-6676  
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WATER DETAILS  
DATE: MAY 14, 2012  
SCALE: AS SHOWN

PROJECT: ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION  
BECKHAM FIELD  
SITE UTILITIES  
FOR  
UNIVERSITY OF SOUTH CAROLINA  
IN THE CITY OF COLUMBIA  
RICHLAND COUNTY, S.C.

| DWG NAME             | SHEET |
|----------------------|-------|
| N.B. NO. 2279        | C3    |
| REF. 35,870-B89      | OF    |
| PROJECT NO. 46421565 | 3     |
| FILE NO. 35,898-B89  |       |



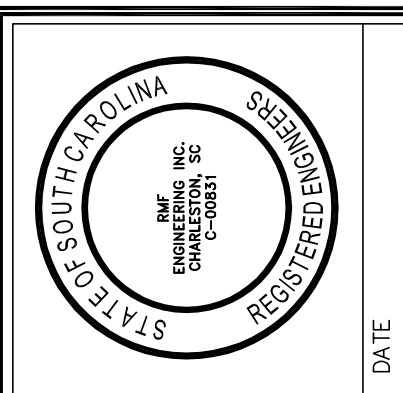
[illegible]

1. ALL CONCRETE USED FOR DUCTBANKS SHALL BE RED COLORED PER USC STANDARD.
2. CONTRACTOR SHALL COORDINATE ALL WORK AND SCHEDULING WITH THE SOFTBALL COMPLEX CONTRACTOR FOR ALL WORK ADJACENT TO THE SOFTBALL COMPLEX.

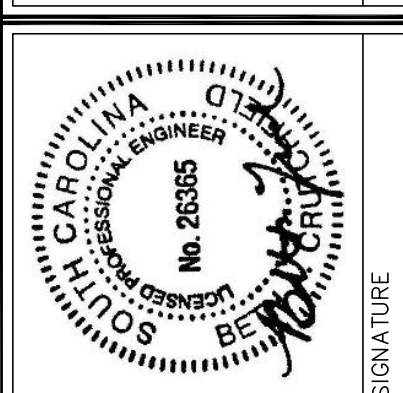
- ① PROVIDE ONE (1) 1" CONDUIT WITH PULL STRING AND 20'10 AND 10'10 GROUND 120' CIRCUIT FROM EXISTING CALL BOX HANDHOLE TO THIS LOCATION FOR FUTURE EMERGENCY CALL STATION. SEE NOTE 6 BELOW FOR LOCATION OF EXISTING CALL BOX HANDHOLE.
- ② CONTRACTOR SHALL PROVIDE EQUIPMENT PAD AND SEISMIC MOUNTING HARDWARE. US WILL BE PROVIDING THE GENERATOR AND WILL DELIVER IT TO THE SITE AND INSTALL ON THE PAD. CONTRACTOR TO PROVIDE SEISMIC BOLTING TO THE PAD BASED ON SHOP DRAWINGS PROVIDED BY US.
- ③ EQUIPMENT PROVIDED BY US. INSTALLED BY CONTRACTOR. CONTRACT TO PICK UP EQUIPMENT FROM 600 GREENE STREET AND INSTALL ON EQUIPMENT PAD. SEE DETAIL 1 ON DRAWINGS E3 FOR PAD DETAIL. CONTRACTOR TO PROVIDE SEISMIC BOLTING TO THE PAD BASED ON SHOP DRAWINGS PROVIDED BY US.
- ④ PROVIDE CONCRETE PAD AND RELOCATION OF EXISTING TRANSFORMER.
- ⑤ PROVIDE 480V, 2P, 3ØA SERVICE ENTRANCE DISCONNECT FOR TEMPORARY LIGHTING CIRCUIT. MOUNT ON KINDORF SUPPORTS AT THE ISLAND.
- ⑥ EXISTING CALL BOX HANDHOLE PROVIDED UNDER SEPARATE CONTRACT.
- ⑦ 18"x12"x12" DEEP HANDHOLE FOR CAMPUS FIBER.

| REVISIONS |                               |            |
|-----------|-------------------------------|------------|
| NO.       | DESCRIPTION                   | DATE BY    |
| 1         | PER CITY OF COLUMBIA COMMENTS | 6/1/12 BAC |
|           |                               |            |
|           |                               |            |
|           |                               |            |
|           |                               |            |
|           |                               |            |

|                            |
|----------------------------|
| APPROVALS                  |
| PROJECT ENG:<br><b>BAC</b> |
| DESIGNED BY:<br><b>PAM</b> |
| DRAWN BY:<br><b>PAM</b>    |
| CHECKED BY:<br><b>BAC</b>  |
| APPROVED:<br><b>BAC</b>    |

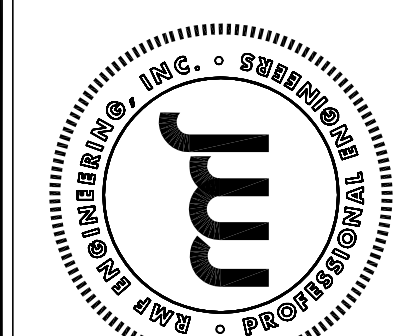


DATE



SIGNATURE

**RMF ENGINEERING, INC.**  
194 SEVEN FARMS DRIVE  
SUITE G  
CHARLESTON, SC 29492  
PHONE: 843-971-9639  
FAX: 843-971-9641  
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RMF #312122.A0



**URS**  
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Columbia, South Carolina 29203  
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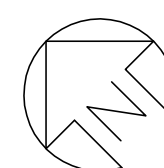
ELECTRICAL SITE PLAN

DATE: MAY 14, 2012 SCALE: 1"=20'-0"

PROJECT  
ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION  
BECKHAM FIELD  
UTILITY PLANS  
FOR  
UNIVERSITY OF SOUTH CAROLINA  
IN THE CITY OF COLUMBIA RICHLAND COUNTY, S.C.

|                                |           |
|--------------------------------|-----------|
| DWG NAME                       | SHEET     |
| N.B. NO.<br><b>2279</b>        | <b>E1</b> |
| REF.<br><b>35,870-B89</b>      | OF        |
| PROJECT NO.<br><b>46421565</b> | <b>3</b>  |

FILE NO. 35,803-B89



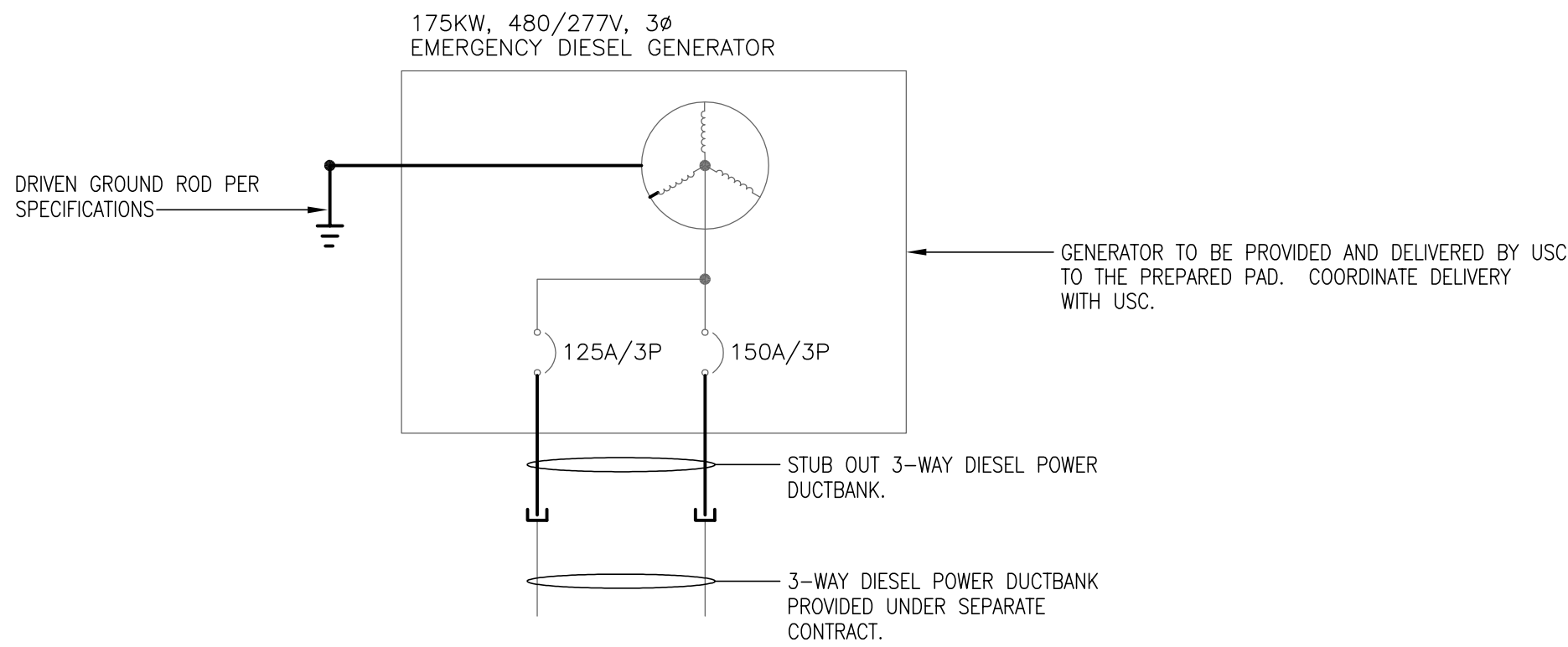
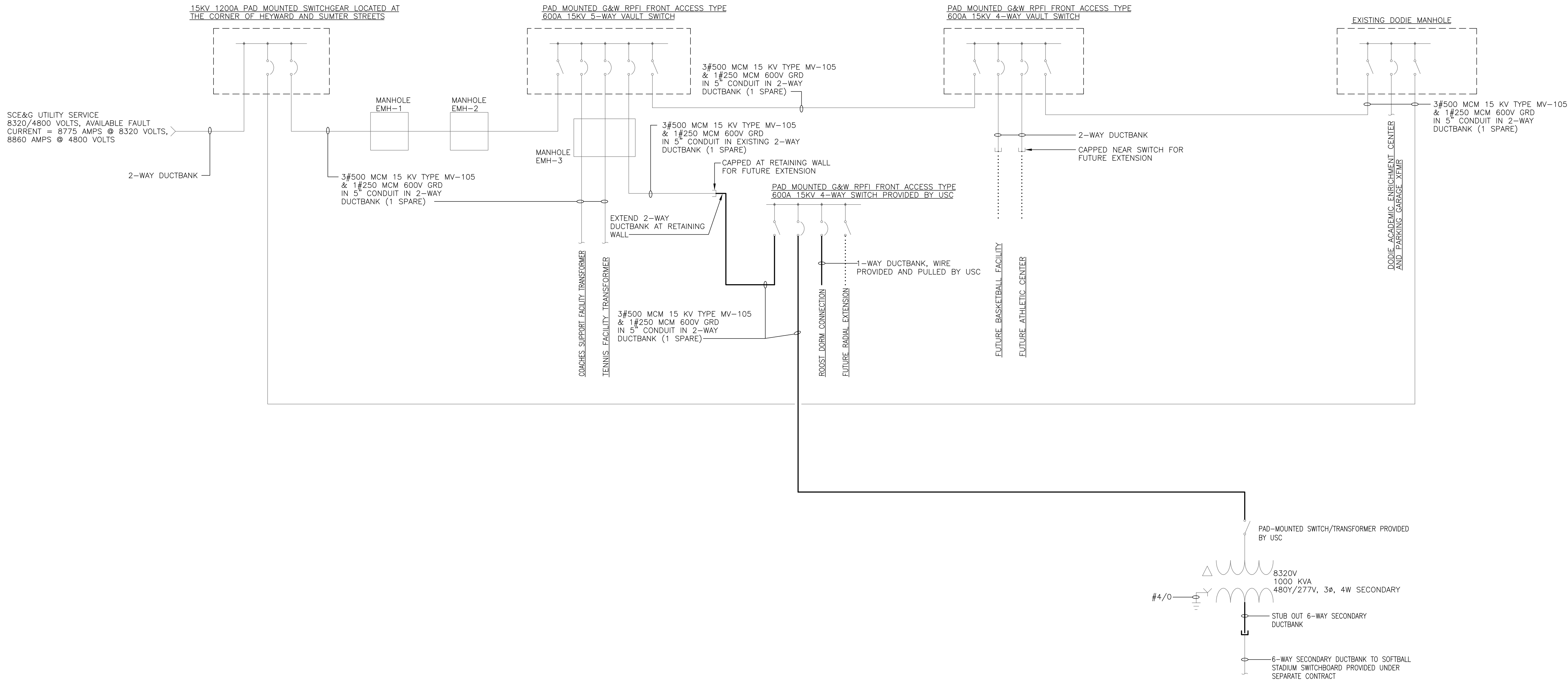
GRAPHIC SCALE

SCALE: 1"=20'-0"

UNIT OF MEASURE: FEET

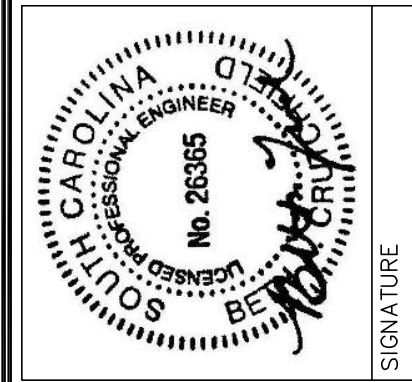
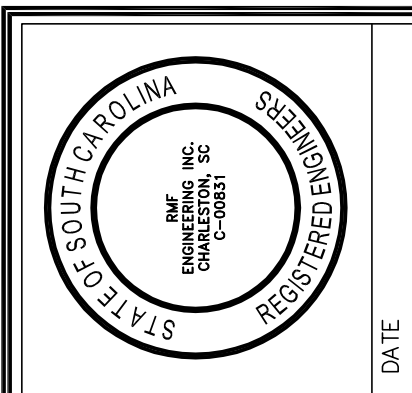


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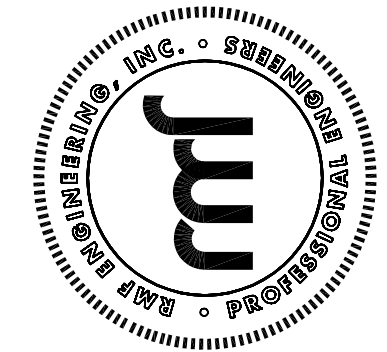


GENERAL NOTES:

1. FINAL CONNECTIONS TO TRANSFORMER AND MEDIUM VOLTAGE SWITCH BY USC.



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www.rmf.com  
RMF #312122.A0



| REVISIONS |             | APPROVALS |    |
|-----------|-------------|-----------|----|
| NO.       | DESCRIPTION | DATE      | BY |
|           |             |           |    |
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|           |             |           |    |

| PROJECT ENG | DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED |
|-------------|-------------|----------|------------|----------|
|             | PAM         | PAM      | PAM        | BAC      |
|             |             |          |            |          |
|             |             |          |            |          |
|             |             |          |            |          |
|             |             |          |            |          |
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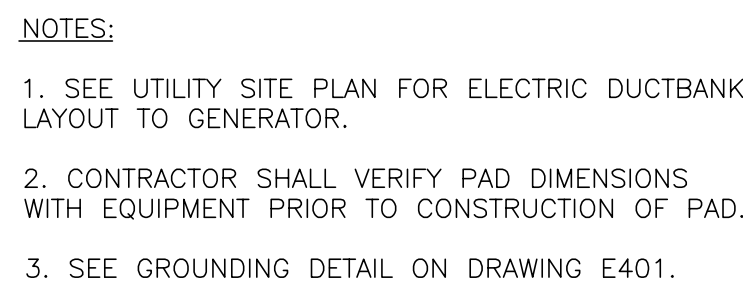
URS  
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Columbia, South Carolina 29203  
Telephone (803) 254-4400 : Fax (803) 771-6676  
www.URScorp.com

SHEET TITLE  
ELECTRICAL SINGLE LINE DIAGRAMS  
DATE: MAY 14, 2012  
SCALE: NONE

PROJECT  
ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION  
BECKHAM FIELD  
UTILITY PLANS  
FOR  
UNIVERSITY OF SOUTH CAROLINA  
IN THE CITY OF COLUMBIA  
RICHLAND COUNTY, S.C.

|                         |       |
|-------------------------|-------|
| DWG NAME                | SHEET |
| N.B. NO.<br>2279        | E2    |
| REV.<br>35,870-B89      | OF    |
| PROJECT NO.<br>46421565 | 3     |
| FILE NO. 35,803-B89     |       |





|        |   |
|--------|---|
| SCALE: | 1 |
| NONE   |   |



|        |   |
|--------|---|
| SCALE: | 3 |
| NONE   |   |



|        |   |
|--------|---|
| SCALE: | 4 |
| NONE   |   |



|        |   |
|--------|---|
| SCALE: | 5 |
| NONE   |   |



|        |   |
|--------|---|
| SCALE: | 6 |
| NONE   |   |



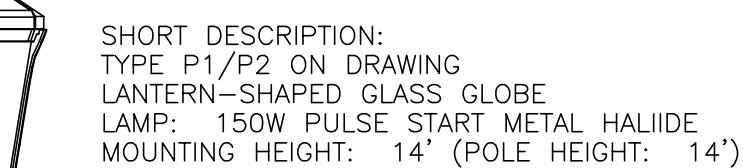
|        |   |
|--------|---|
| SCALE: | 7 |
| NONE   |   |

| POWER SYMBOLS                                                                         |                                                                                                                                                                                                  | CIRCUIT DESIGNATIONS |  |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|
| SYMBOL                                                                                | DESCRIPTIONS                                                                                                                                                                                     | MH (UON)             |  |
|  | NON-FUSED DISCONNECT SWITCH, 30A, 3P (UNLESS OTHERWISE NOTED)                                                                                                                                    |                      |  |
|  | PANELBOARD                                                                                                                                                                                       |                      |  |
|  | DISTRIBUTION PANELBOARD                                                                                                                                                                          |                      |  |
|  | TRANSFORMER                                                                                                                                                                                      |                      |  |
|  | CIRCUIT CONCEALED IN WALLS OR CEILING SPACE. CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND 1#12 AWG GROUND IN 3/4" CONDUIT, (UNLESS OTHERWISE NOTED)                                                  |                      |  |
|  | RACEWAY CONCEALED IN SLAB OR BELOW GRADE.                                                                                                                                                        |                      |  |
|  | BRANCH CIRCUIT HOMERUN TO PANELBOARD. QUANTITY OF CIRCUITS INDICATED BY ARROWS ( ). NUMBER OF CONDUCTORS SHALL BE MINIMUM 4#12 AWG AND 1#12 AWG GROUND IN 3/4" CONDUIT, (UNLESS OTHERWISE NOTED) |                      |  |
|  | RACEWAY RUN EXPOSED. CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND 1#12 AWG IN 3/4" CONDUIT, (UNLESS OTHERWISE NOTED)                                                                                 |                      |  |

| LIGHTING SYMBOLS                                                                      |              | CIRCUIT DESIGNATIONS |  |
|---------------------------------------------------------------------------------------|--------------|----------------------|--|
| SYMBOL                                                                                | DESCRIPTIONS | MH (UON)             |  |
|  |              |                      |  |
|  |              |                      |  |
|  |              |                      |  |
|  |              |                      |  |
|  |              |                      |  |

| <u><b>SYMBOL</b></u>                                                                  | <u><b>DESCRIPTIONS</b></u>                         |
|---------------------------------------------------------------------------------------|----------------------------------------------------|
|  | REVISION NUMBER 2                                  |
|  | DRAWING NOTE NUMBER 2                              |
|  | EQUIPMENT TAG NUMBER – REFER TO EQUIPMENT SCHEDULE |
|  | SECTION/ELEVATION IDENTIFICATION                   |
|  | PART PLAN AND DETAIL IDENTIFICATION                |
|  | EXISTING LINE TYPE                                 |
|  | NEW ELECTRICAL WORK LINE TYPE                      |
|  | FUTURE ELECTRICAL WORK LINE TYPE                   |
|  | DEMOLITION LINE TYPE ON DEMOLITION DRAWINGS        |



FIXTURE P1

---

SCALE: NONE

GENERAL NOTES:

1. THIS IS A STANDARD SYMBOL LIST, SOME SYMBOLS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.
2. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.

|                            |
|----------------------------|
| APPROVALS                  |
| PROJECT ENG:<br><b>BAC</b> |
| DESIGNED BY:<br><b>PAM</b> |
| DRAWN BY:<br><b>PAM</b>    |
| CHECKED BY:<br><b>BAC</b>  |
| APPROVED:<br><b>BAC</b>    |



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TITLE

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ELECTRICAL DETAILS, SCHEDULE AND LEGEND

PROJECT  
ATHLETIC VILLAGE INFRASTRUCTURE DEVELOPMENT CONSTRUCTION  
BECKHAM FIELD  
UTILITY PLANS  
FOR  
UNIVERSITY OF SOUTH CAROLINA  
IN THE CITY OF COLUMBIA RICHLAND COUNTY, S.C.

|                                |           |
|--------------------------------|-----------|
| DWG NAME                       | SHEET     |
| N.B. NO.<br><b>2279</b>        | <u>E3</u> |
| REF.<br><b>35,870-B89</b>      | OF        |
| PROJECT NO.<br><b>46421565</b> | <u>3</u>  |
| FILE NO. <b>35,803-B89</b>     |           |