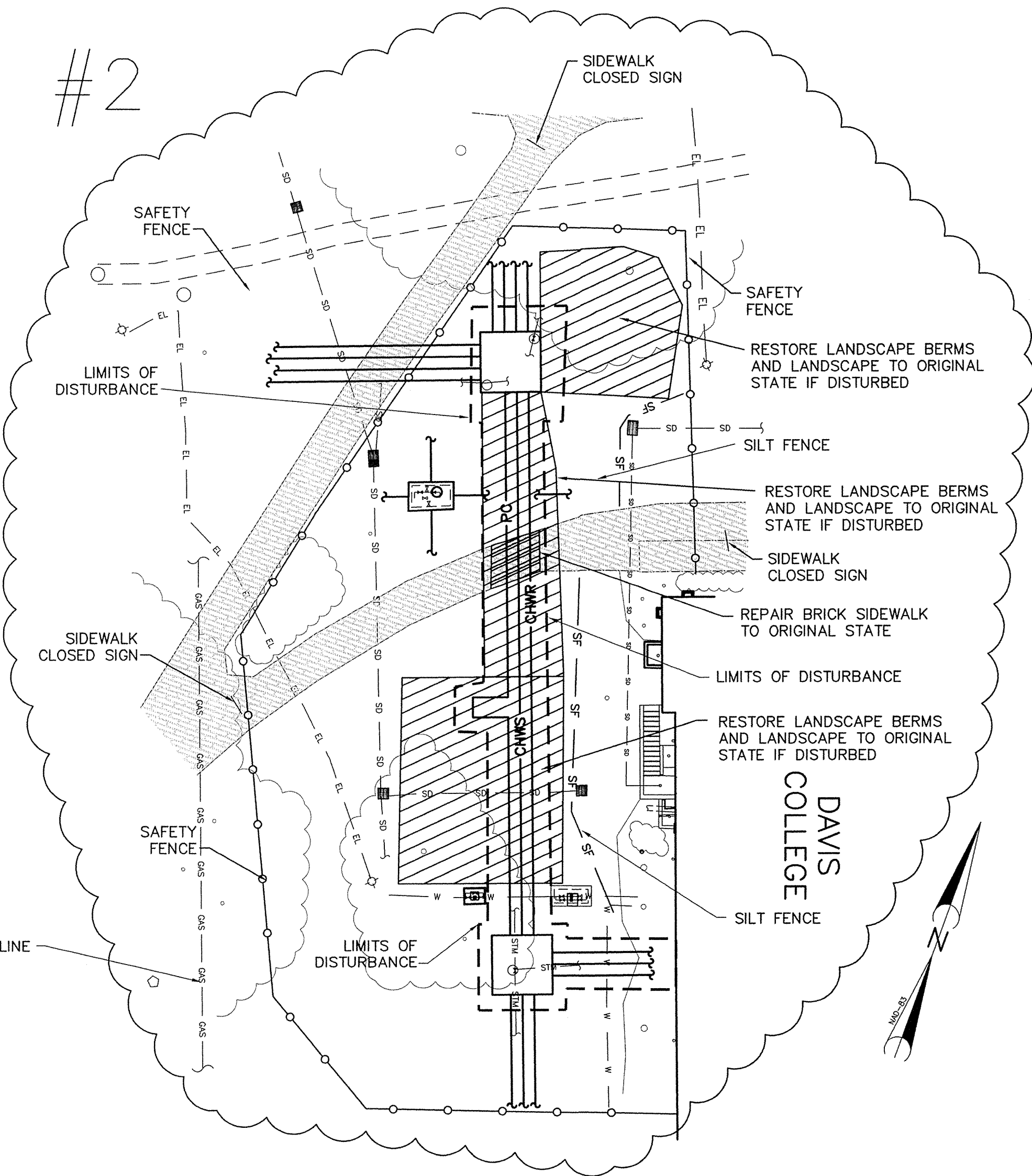


AREA #2

DAVIS COLLEGE INFRASTRUCTURE UTILITY UPGRADE AT USC CAMPUS IN COLUMBIA



CAUTION:
APPROXIMATE LOCATION OF EXISTING LOW PRESURE GAS LINE
NOT FIELD VERIFIED, PER USC MASTER UTILITY DRAWINGS.

EROSION AND SEDIMENT CONTROL NOTES

- IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES -DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF SITE INSPECTION IDENTIFY BMPs THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICAL.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED AND GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH SC REG 72-300 ET SEQ AND SCR100000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE(WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOs. A TEN-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOs.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICAL THAT COULD BE EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

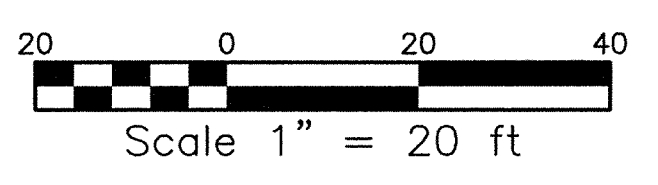
RICHLAND COUNTY MINIMUM GRASSING SPECIFICATIONS

1. SUMMER: FERTILIZATION: 1000 LBS. OF 10-10-10 PER ACRE	
PERMANENT COVER:	
BAHIA GRASS	40 LBS. PER ACRE ALONE 20 LBS. PER ACRE W/MIXTURE 8 LBS. PER ACRE ALONE 4 LBS. PER ACRE W/MIXTURE
BERMUDA SPRIGS	100 LBS. PER ACRE BROADCAST
SERICA LESPEDeza (SCARIFIELD)	40 LBS. PER ACRE ALONE
LOVEGRASS, WEEPING	40 LBS. PER ACRE IN MIXTURES 2 LBS. PER ACRE PLANT IN MIXTURES ONLY
TEMPORARY SUMMER COVER:	
LESPEDeza, ANNUAL	7 LBS. PER ACRE IN MIXTURE (DO NOT PLANT ON SANDY SOILS)
BROWN TOP MILLET	40 LBS. PER ACRE ALONE 20 LBS. PER ACRE IN MIXTURES
2. WINTER:	
A. WINTER PERMANENT:	
1) TALL MEADOW FESCUE, 40 LBS. PER ACRE FROM SEPT. 1 TO APRIL 15 ONLY ON FERTILE SANDY CLAY OR CLAY SOILS.	
2) PLANTING FROM SEPT. 15 TO FEB. 15 ON SANDS MUST BE OF TEMPORARY WINTER CLOVER AND THEN SEED TO A PERMANENT SUMMER COVER.	
B. WINTER TEMPORARY: SEPT. 1 TO MAY 1	
RYE GRASS	60 LBS. PER ACRE ALONE 20 LBS. PER ACRE IN MIXTURES 4 LBS. PER ACRE ALONE
OATS	2 LBS. PER ACRE IN MIXTURE
RYE	1-1/2 LBS. PER ACRE ALONE 1 LB. PER ACRE IN MIXTURE
OTHER PLANTINGS OR SEEDING AS CONTAINED IN THE CRITICAL AREA STABILIZATION SECTION OF SCs HANDBOOK, EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS, MAY BE USED PROVIDED ALL APPLICABLE SPECIFICATIONS CONTAINED IN SAID HANDBOOK ARE COMPLIED WITH.	

AMERICAN ENGINEERING CONSULTANTS, INC.
1300 12th Street • P.O. Box 2299 • Cayce, SC 29171
Phone: (803) 791-1400 • Fax: (803) 791-8110

AMERICAN ENGINEERING JOB NO. 11-014
DWG: C-3 PROPOSED.dwg

CONTACT INFORMATION
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743 GREENE STREET
COLUMBIA, S.C. 29208
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AREA #1

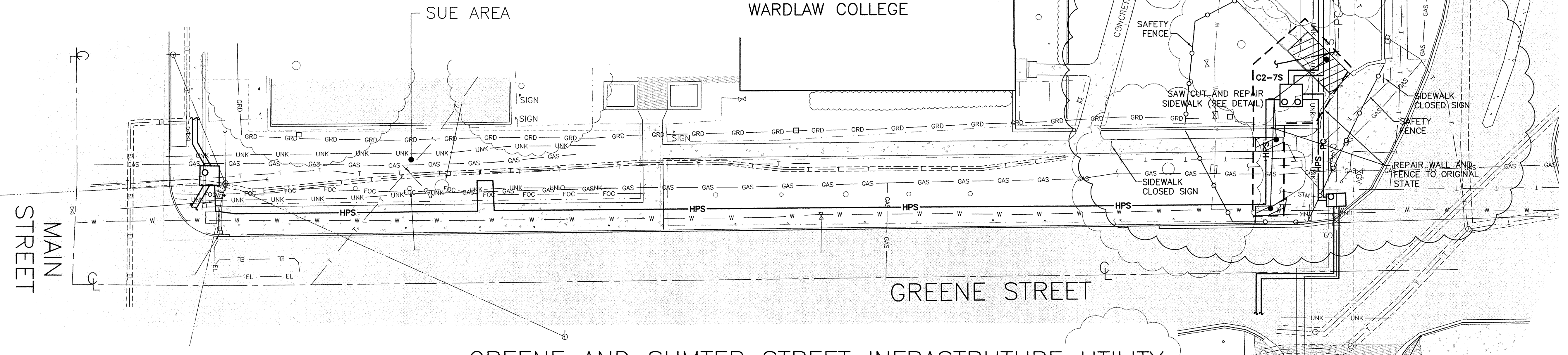
APPLICANT'S CERTIFICATION

"I (We) hereby certify that all clearing, grading, construction, and/or development will be done pursuant to this plan and I (we) are responsible for the land disturbance and related maintenance thereof. South Carolina Department of Health and Environmental Control authorities will be allowed to enter the project site for the purpose of on-site inspections."

DESIGNER'S CERTIFICATION

"I hereby certify that this plan is designed to contain soil on the property concerned to the maximum extent, to provide for the protection of the property and the proposed improvements thereon from the effects of flooding, to provide for the control of the runoff from the property, and that all the provisions for sediment control and storm drainage are in accordance with the Stormwater Management and Sediment Control Ordinance for South Carolina Department of Health and Environmental Control."

Date	Owner/Person Financially Responsible	Date	SC Registered Professional Engineer
			S.C. Registration Number



GREENE AND SUMTER STREET INFRASTRUCTURE UTILITY UPGRADE AT USC CAMPUS IN COLUMBIA

DRAWING:	DATE:	DRAWN BY:	CHECKED BY:	REV.	ORIG. BY:
CP00237866	27SEP11	DEM	WCL		
	DESCRIPTION				

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