



602 Carteret St.

University of South Carolina, Beaufort
Beaufort, SC

602 Carteret St.
USCB
Beaufort, SC

Brown Design Studio
architecture urban design
19A market #2 beaufort, south carolina 29906
p. 843.986.9610 www.brownds.com

Drawing Index

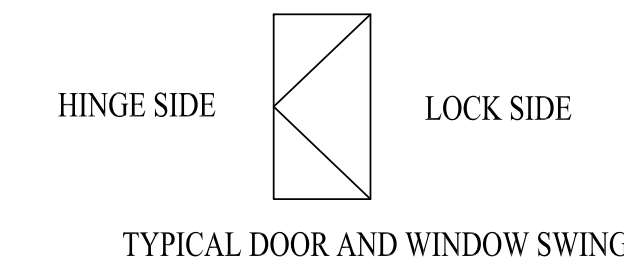
- T1.0 COVER SHEET / GENERAL INFORMATION
- A2.0 DEMO PLAN
- A2.1 SECOND FLOOR DEMO PLAN
- A2.2 FIRST FLOOR PLAN
- A2.3 SECOND FLOOR PLAN & SCHEDULES
- A2.4 SCOPE & SCHEDULES
- E2.0 FIRST FLOOR ELECTRICAL PLAN
- E2.1 SECOND FLOOR ELECTRICAL PLAN

General Information

Symbols and Abbreviations

- SECTION CUT OR ELEVATION NUMBER
- SHEET NUMBER
- INTERIOR ELEVATION KEY
- SHEET NUMBER
- DETAIL NUMBER
- SHEET NUMBER
- WINDOW TYPE
- DOOR IDENTIFICATION
- ROOM/SPACE IDENTIFICATION
- 16" W.O. TREE TO BE REMOVED

ABV.	ABOVE	FL	FLOOR	FFL	FINISHED FLOOR
ASF	ABOVE SUBFLOOR	CONC	CONCRETE	SQ	SQUARE
DEG.	DEGREES	EXT	EXTERIOR	FT	FEET
GYP	GYPSPUM	INT	INTERIOR	IN	INCHES
H/C	HANDICAP	SHT.	SHEET	HORIZ	HORIZONTAL
HB	HOSE BIBB	DBL	DOUBLE	VERT	VERTICAL
MAX	MAXIMUM	CONST.	CONSTRUCTION	REM.	REMOVE
MIN	MINIMUM	R	RISER	DIA	DIAMETER
O.C.	ON CENTER	T	TREAD	CONT	CONTINUOUS
P.T.	PRESSURE TREATED	T&G	TONGUE & GROVE	CMU	CONCRETE MASONRY UNIT
PNT.	PAINTED	NORM.	NORMAL	PSI	POUNDS PER SQUARE INCH
REQ'D	REQUIRED	ADJ	ADJUSTABLE	PSF	POUNDS PER SQUARE FOOT
TYP	TYPICAL	OPT	OPTIONAL	FOS	FACE OF STUD
FIN	FINISHED	N.I.C.	NOT IN CONTRACT	FOB	FACE OF BLOCK

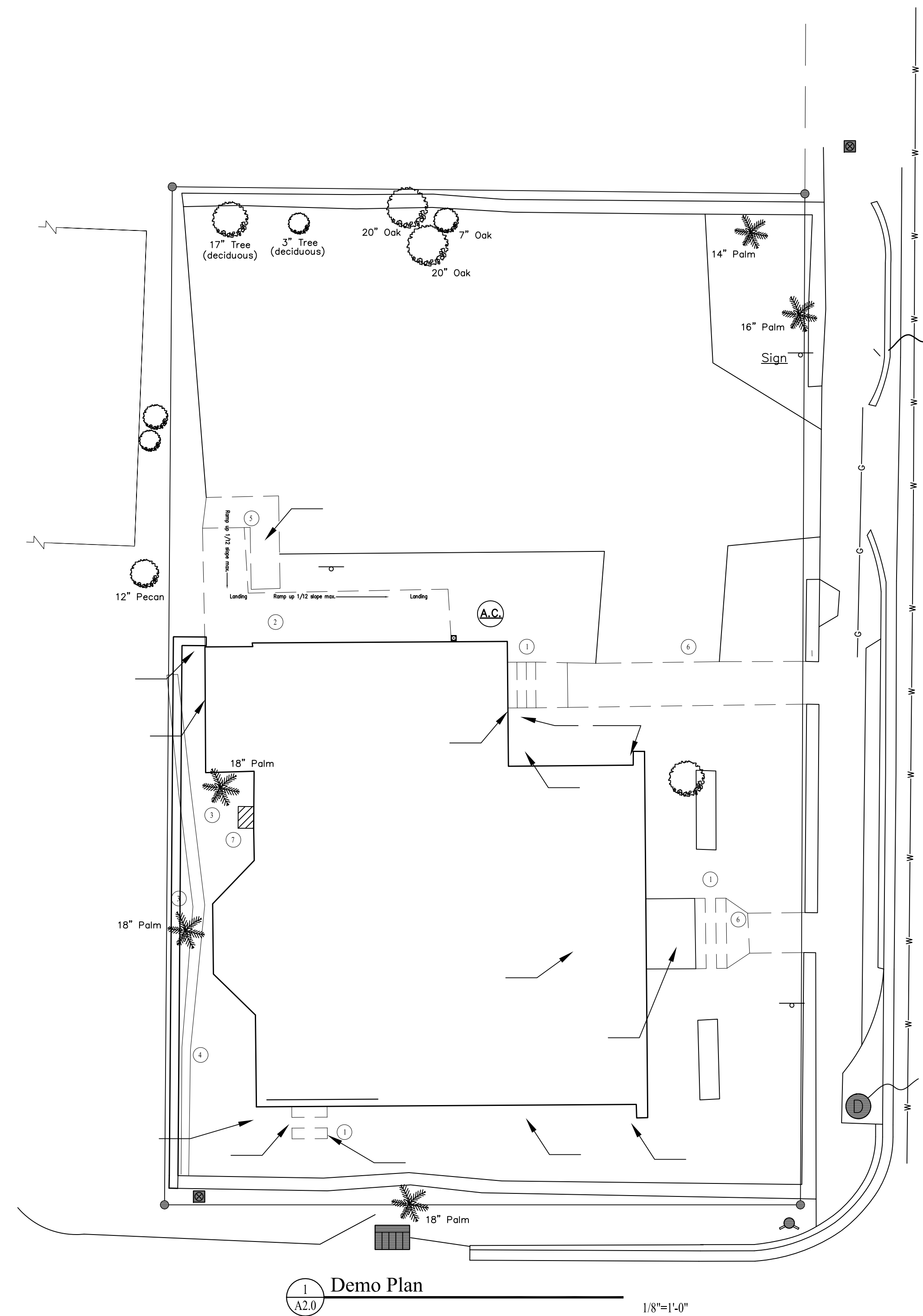


DATE	NOTES
1-11-13	Review Set
7-1-13	
7-23-13	
7-31-13	

T1.0

DEMO SCHEDULE (X)

SYMBOL	DESCRIPTION
1	DEMO Existing Concrete Stairs and any Foundation found.
2	DEMO Existing Wood Ramp, posts and any Foundation found.
3	REMOVE Existing Palm Tree, include rootball and stump.
4	DEMO Existing Wood Curbstops
5	DEMO Existing Concrete Walk
6	DEMO Existing Concrete Walk, saw cut and remove part as indicated.
7	DEMO Existing Chimney



1
A2.0 Demo Plan 1/8"=1'-0"

USCB Art Studio
602 Carteret
Beaufort, SC

Brown Design Studio
architecture urban design

19A market #2 beaufort, south carolina 29906
p. 843.986.9610 www.brownds.com

DATE	NOTES
3-3-13	Review
4-8-13	Final
7-31-13	

A2.0

The Palmetto Utility Protection Service, Inc.
 110 South Square Blvd., Suite 200 Columbia, South Carolina 29201 (803) 939-1117

South Carolina 811
 Call 811 Before you Dig

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811

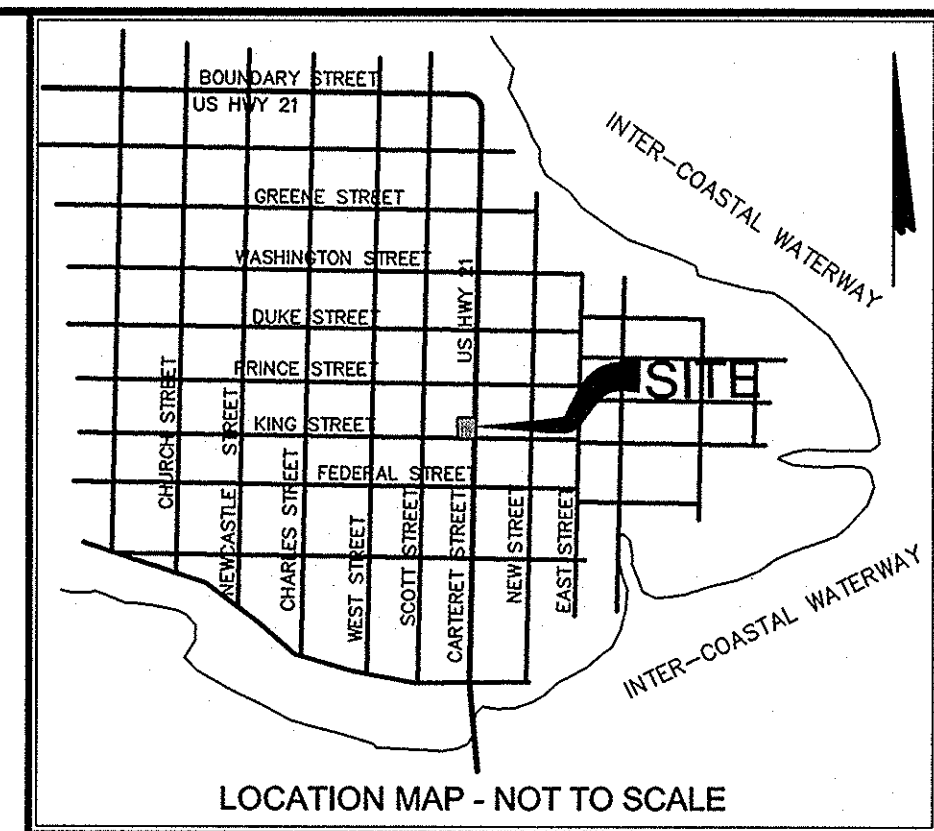
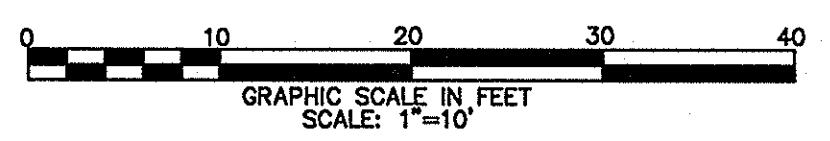
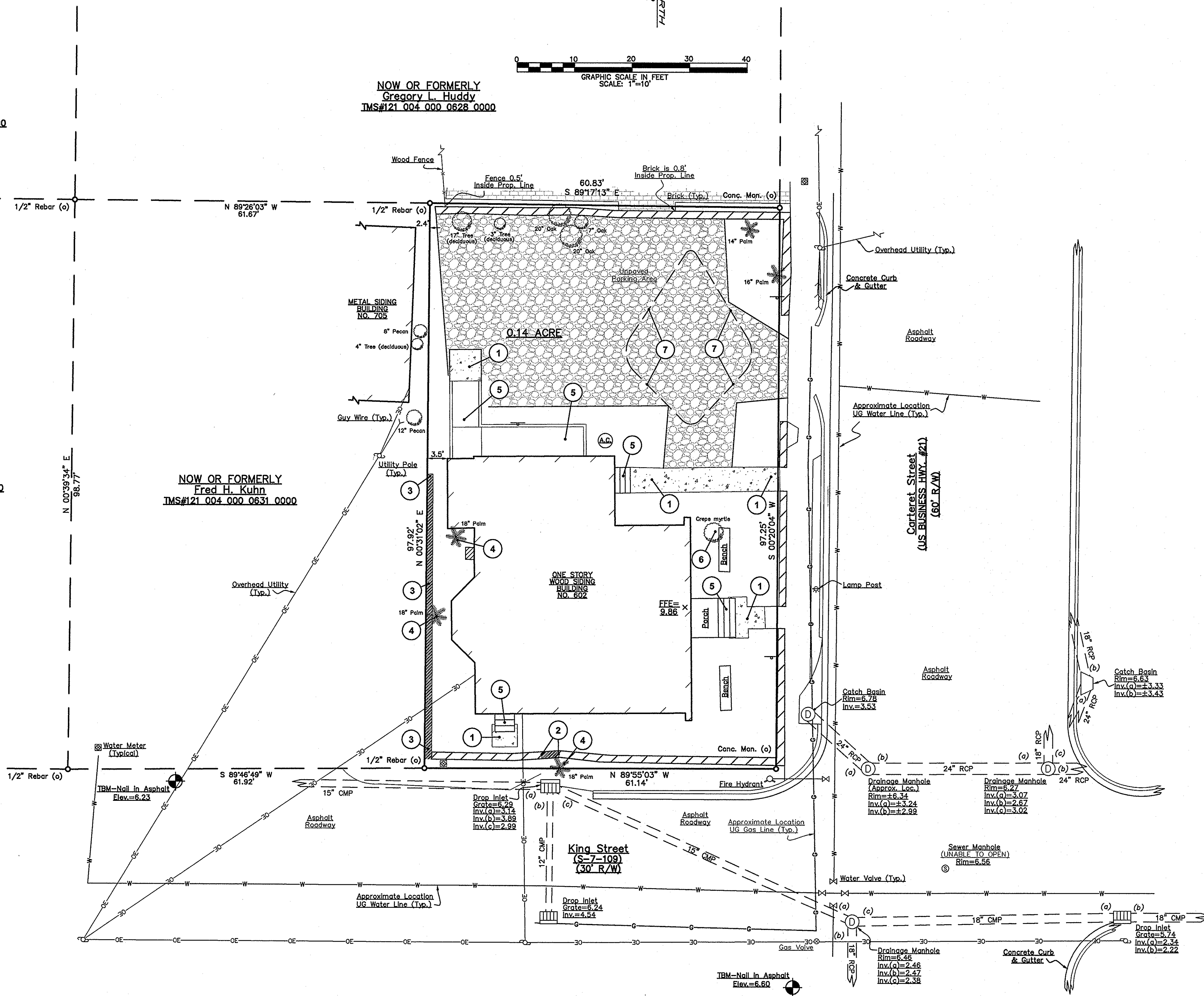
CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

NOW OR FORMERLY
 David H. Mims &
 Ann H. McDuff
 TMS#121 004 000 0627 0000

NOW OR FORMERLY
 Fred H. Kuhn
 TMS#121 004 000 0630 0000

NOW OR FORMERLY
 Gregory L. Huddy
 TMS#121 004 000 0628 0000

NOW OR FORMERLY
 Fred H. Kuhn
 TMS#121 004 000 0631 0000



COX AND DINKINS
 ENGINEERS - SURVEYORS

COX AND DINKINS, INC.
 724 BELTLINE BLVD.
 COLUMBIA, SC 29205
 803-254-0518
 Fax: 803-765-0993
 Email: cdinc@coxanddinkins.com

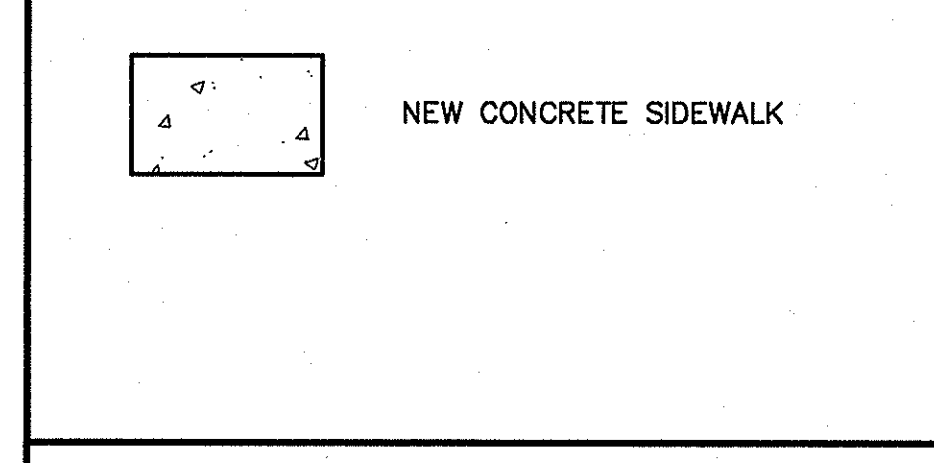
PROJECT: 1668

TMS
 121 004 000 0632 0000

BOOK SF NO.
 Z04-11-18 354 24

CAMPUS PLANNING
 AND CONSTRUCTION
 COLUMBIA, SC 29208

LEGEND



REGISTERED PROFESSIONAL ENGINEER
 NO. 24748

REFERENCES:

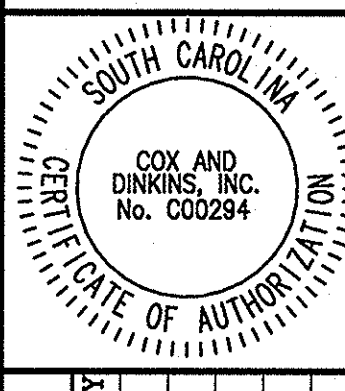
THE SAME BEING SHOWN ON A PLAT PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA AT BEAUFORT, BY ERIC H. FREISLEBEN, DATED FEBRUARY 22, 1991, AND RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR BEAUFORT COUNTY IN DEED BOOK 6804, PAGE 875. REFERENCE IS ALSO MADE TO LOT 45, BLOCK "J", SHOWN ON PLAT OF THE TOWN OF BEAUFORT, MADE BY THE UNITED STATES DIRECT TAX COMMISSIONERS, DATED FEBRUARY 10, 1863.

NOTES:

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- 2) CONTOUR INTERVAL ELEVATIONS ARE ONE (1) FOOT.
- 3) REFERENCE MARK USED IS SC DOT MONUMENT DESIGNATED "TIDAL 7", ELEVATION=9.26 (feet) (NAVD 88 DATUM), AS TAKEN FROM NGS DATA SHEET. <http://www.ngs.noaa.gov/>.
- 4) PAINT ABOVE GROUND WAS PAINTED BY OTHERS TO REPRESENT THE APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES.
- 5) TREE SIZES AND SPECIES SHOWN ARE APPROXIMATE ONLY AND TO THE BEST OF THE SURVEYOR'S ABILITY. THE GRAPHICAL REPRESENTATIONS SHOWN ON THIS MAP ARE NOT MEANT TO BE AN EXACT DEPICTION OF THE TREE OR THE TREE CANOPY. IF A MORE DETAILED OR ACCURATE LOCATION AND/OR DESCRIPTION OF THE TREES IS DEEMED NECESSARY, COX AND DINKINS, INC., STRONGLY SUGGESTS AN ARBORIST BE CONSULTED.

CODED SITE NOTES

- 1 NEW CONCRETE SIDEWALK. SEE DETAIL.
- 2 NEW BLOCK WALL TO MATCH EXISTING BLOCK WALL. SEE GRADING & STORM DRAINAGE PLAN FOR EXTENTS OF CONSTRUCTION.
- 3 NEW BLOCK WALL. SEE ARCHITECTURAL DRAWINGS.
- 4 CONTRACTOR SHALL VERIFY WITH OWNER TREES TO REMAIN AND TREES TO BE REMOVED. EXERCISE CAUTION DURING ANY CONSTRUCTION IN VICINITY OF TREES TO REMAIN.
- 5 NEW STAIRS/RAMP. SEE ARCHITECTURAL DRAWINGS.
- 6 CONTRACTOR SHALL EXERCISE CAUTION DURING ANY CONSTRUCTION IN VICINITY OF CRAPE MYRTLE. ALL CARE TO BE GIVEN TO PROTECT TREE.
- 7 EXISTING GRAVEL PARKING AREA TO BE RE-GRADED. SEE GRADING PLAN FOR MORE INFORMATION.



DATE	BY	DESCRIPTION
07-31-2013	LMB	DRAWING
		REV.

SITE PLAN

USC AT BEAUFORT
 BEAUFORT COUNTY, BEAUFORT, S.C.

University of South Carolina

PROJECT TITLE:
 SHEET:

The Palmetto Utility Protection Service, Inc.
 818 South 8th Street, Suite 200 Columbia, South Carolina 29201 (803) 934-1117

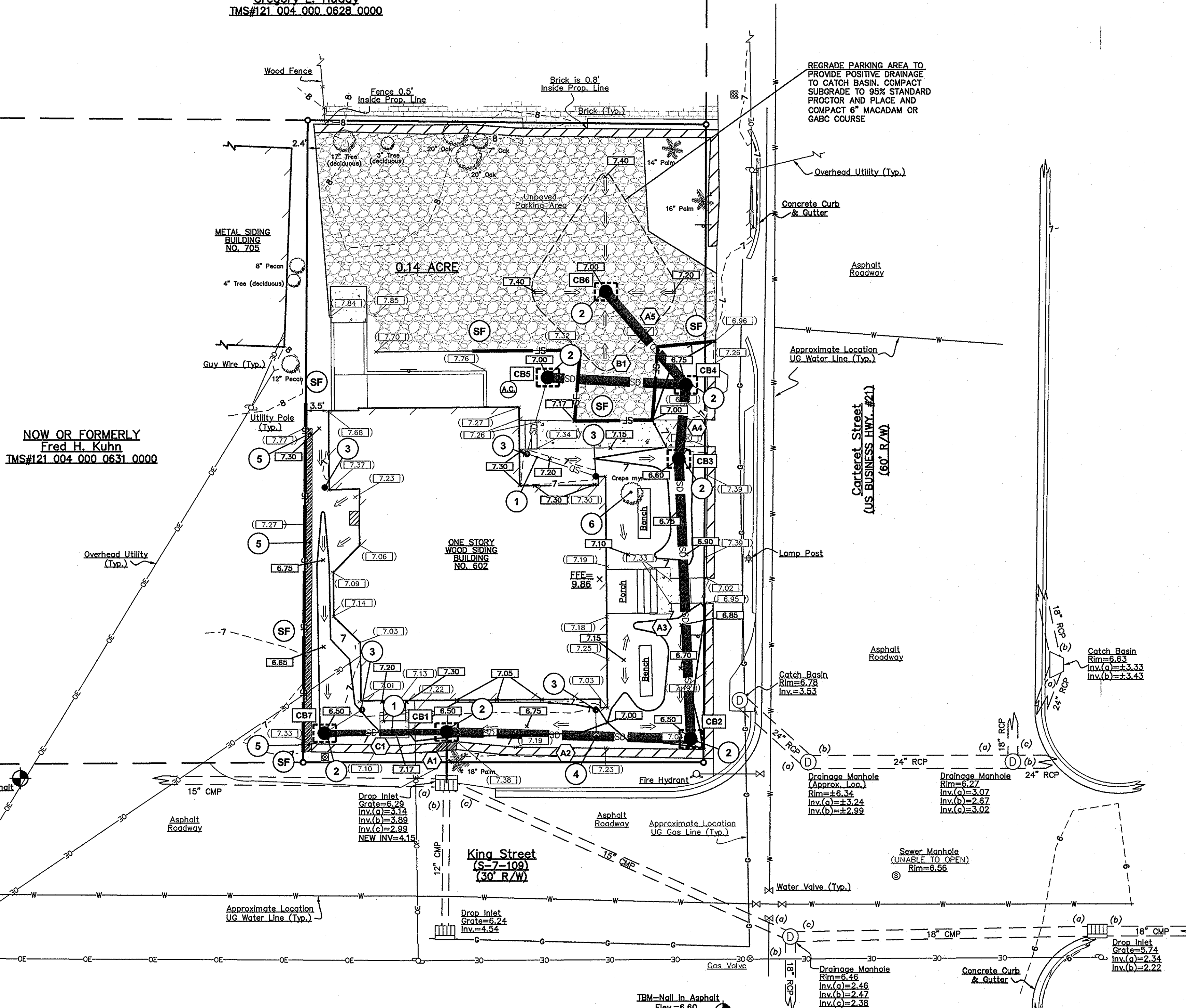
South Carolina 811
 Call 811 Before you Dig

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811

CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.

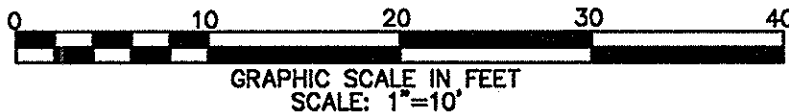
NOW OR FORMERLY
 Gregory L. Huddy
 TMS#121 004 000 0628 0000

NOW OR FORMERLY
 Fred H. Kuhn
 TMS#121 004 000 0631 0000



NOTES TO CONTRACTOR

- CONTRACTOR SHALL ENSURE THAT NOT MORE THAN 20' OF TRENCH IS EXPOSED AT ANY GIVEN TIME DURING CONSTRUCTION. CONTRACTOR TO EXERCISE EXTREME CAUTION DURING ANY CONSTRUCTION IN THE VICINITY OF THE BUILDING FOUNDATIONS.
- BACKFILL STORM DRAINAGE PIPING WITH GRANULAR MATERIAL, HAND TAMP IN PLACE. CONTRACTOR SHALL NOT USE MECHANICAL OR VIBRATORY COMPACTION EQUIPMENT.
- ALL CATCH BASINS TO HAVE A 6" MINIMUM SUMP.

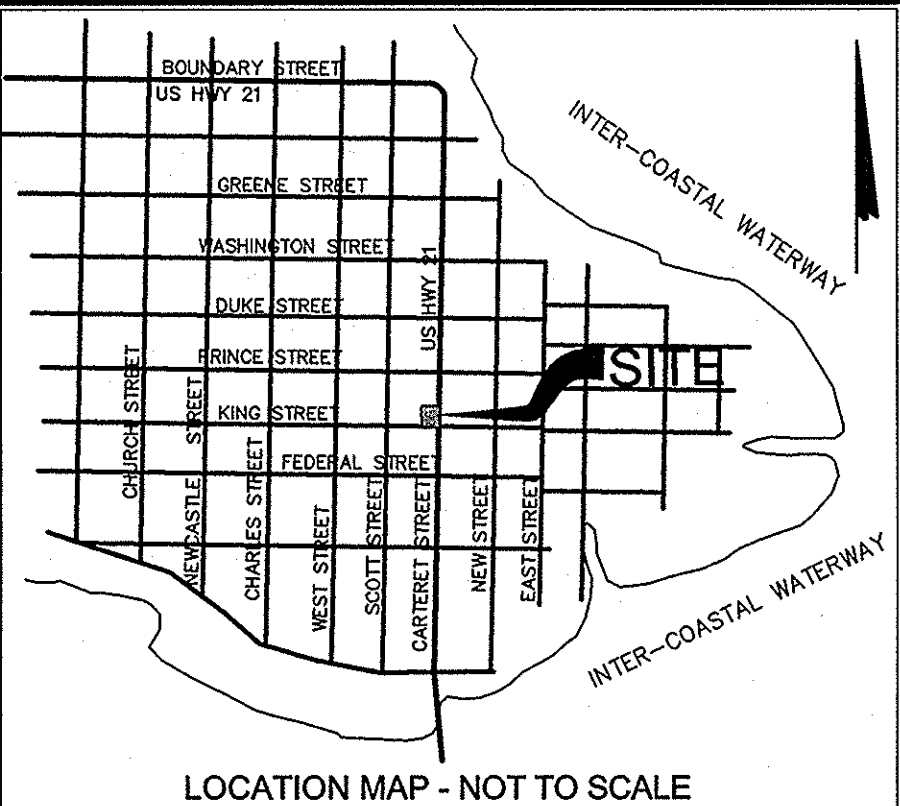


EROSION CONTROL NOTES

- LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN ISSUED BY GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE & LOCAL ORDINANCES THAT APPLY.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE & BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
- THE EROSION CONTROL MEASURES INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE INSTALLED PRIOR TO INITIAL LAND DISTURBANCE ACTIVITIES OR AS SOON AS PRACTICAL. SEDIMENT SHALL BE PREVENTED FROM DISCHARGING FROM THE PROJECT SITE BY INSTALLING & MAINTAINING CONTROL PRACTICES AS SHOWN ON THIS PLAN. IF SHOWN ON THESE PLANS, ENERGY-DISSIPATION DEVICES OR EROSION CONTROL AT THE OUTFALL OF THE STORM SEWER SYSTEM SHALL BE INSTALLED AT THE TIME OF THE CONSTRUCTION OF THE OUTFALL STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION FROM ALL SITES REMAINING UNDISTURBED FOR MORE THAN 14 DAYS.
- THE CONTRACTOR SHALL CONTROL WASTES, GARBAGE, DEBRIS, WASTEWATER, & OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WINDS, STORM WATER RUNOFF, OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTES & UNUSED BUILDING MATERIAL, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL IS REQUIRED. COMPLIANCE REQUIRED WITH ALL STATE OR LOCAL REGULATIONS REGARDING WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEMS.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS & GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- ALL ON-SITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION AS SHOWN ON THESE PLANS.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE 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 WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE, OR WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, & EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL, & FOLLOWING THE PLANS & SPECIFICATIONS INCLUDED HEREIN.
- DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL SEDIMENT BASINS & OTHER EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, IF REQUIRED, WITH THE OWNER. MAINTENANCE SHALL BE IN ACCORDANCE WITH DHEC'S MANUAL, "SOUTH CAROLINA STORMWATER MANAGEMENT & SEDIMENT CONTROL HANDBOOK FOR LAND DISTURBANCE ACTIVITIES".
- ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH "SOUTH CAROLINA STORMWATER MANAGEMENT & SEDIMENT CONTROL HANDBOOK FOR LAND DISTURBANCE ACTIVITIES".
- 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 S.C. REG. 72-300 ET SEQ. AND SCR10000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO 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 SILT FENCE CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA & ALL WOS. A 10-FOOT BUFFER SHALL MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE & ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, & BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) & CONSTRUCTION CHEMICALS SHALL BE STORED TO STORM WATER TO PREVENT FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES & 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 & THE SITE IS STABILIZED.
- EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS PRACTICAL.
- THE APPROVED EROSION CONTROL PLAN MUST BE RETAINED ON-SITE AT ALL TIMES DURING THE PERIOD OF CONSTRUCTION.
- IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDRO- SEEDING IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- IF SYNTHETIC OR PERMANENT VEGETATIVE MATTING IS USED, THE MANUFACTURER'S REPRESENTATIVE WILL APPROVE, IN WRITING, THE INSTALLATION OF THE MATERIAL. A LETTER WILL BE PROVIDED TO THE ENGINEER & OWNER.
- IF THE INSTALLATION OF THE STORM DRAINAGE SYSTEM IS INTERRUPTED BY WEATHER OR NIGHTFALL, PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, & STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL COVER & TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- THE CONTRACTOR SHALL REMOVE SEDIMENT FROM THE DETENTION POND/SEDIMENT BASIN AT SUCH TIME AS IT REACHES A DEPTH OF 0.5 FEET ABOVE THE DESIGN BOTTOM ELEVATION OF THE POND/BASIN. DISPOSAL OF THE MATERIAL IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT FROM THE DETENTION POND/SEDIMENT BASIN AFTER THE SITE IS STABILIZED, ENSURING THAT THE DESIGN VOLUME OF THE POND/BASIN WILL BE MAINTAINED.
- ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE & THE SITE IS STABILIZED.
- THE CONTRACTOR SHALL RE-SPREAD THE TOPSOIL ON SITE AS MUCH AS POSSIBLE PRIOR TO FINAL GRADING AND STABILIZATION.
- THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AT HIS EXPENSE TO REDUCE EROSION & PREVENT SEDIMENT FROM LEAVING THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL CLEANUP & REPAIR ON-SITE AND DOWNSTREAM DUE TO EROSION & SILTATION.

EROSION CONTROL LEGEND

- (SF) SILT FENCE PROTECTION
- (□) SILT BOX INLET PROTECTION



LEGEND

- (7.38) EXISTING SPOT ELEVATIONS
- (7.28) PROPOSED SPOT ELEVATION
- 5 PROPOSED CONTOURS
- 7 PROPOSED CONTOURS
- EXISTING CONTOURS
- DIRECTION OF FLOW
- SD PROPOSED STORM DRAINAGE LINE

REFERENCES:

THE SAME BEING SHOWN ON A PLAT PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA AT BEAUFORT, BY ERIC H. FREISELBERG, DATED FEBRUARY 22, 1991, AND RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR BEAUFORT COUNTY IN DEED BOOK 6604, PAGE 575. REFERENCE IS ALSO MADE TO LOT 45, BLOCK "J", SHOWN ON PLAT OF THE TOWN OF BEAUFORT, MADE BY THE UNITED STATES DIRECT TAX COMMISSIONERS, DATED FEBRUARY 10, 1863.

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CODED STORM DRAINAGE NOTES

- 12" HDPE PIPE @ MINIMUM 1.0% SLOPE WITH MINIMUM 1' OF COVER.
- 24" NYLOPLAST CATCH BASIN WITH STANDARD GRATE (SEE DETAILS).
- DOWNSPOUT LOCATION. VERIFY WITH ARCHITECTURAL PLANS.
- ROOF DRAINAGE CLEANOUT (SEE DETAILS).
- CONTRACTOR TO COLLECT ELEVATION DATA ALONG NEW WALL AND INSTALL 4" WEEP HOLE SLEEVED WITH PVC PIPE AS NECESSARY TO ALLOW POSITIVE DRAINAGE. COORDINATE WITH ARCHITECT.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING ANY CONSTRUCTION IN VICINITY OF CRAPE MYRTLE. ALL CARE TO BE GIVEN TO PROTECT TREE.

- CB1 GRATE = 6.50 INV = 4.19
 - CB2 GRATE = 6.50 INV = 4.38
 - CB3 GRATE = 6.60 INV = 4.60
 - CB4 GRATE = 6.75 INV = 4.66
 - CB5 GRATE = 7.00 INV = 4.76
 - CB6 GRATE = 7.00 INV = 4.77
 - CB7 GRATE = 6.50 INV = 4.29
- A1) 8' OF 3" PVC @ 0.5% (TIE INTO EXISTING CATCH BASIN)
 - A2) 37' OF 18" HDPE @ 0.5%
 - A3) 43' OF 18" HDPE @ 0.5%
 - A4) 11' OF 18" HDPE @ 0.5%
 - A5) 19' OF 18" HDPE @ 0.5%
 - B1) 21' OF 18" HDPE @ 0.5%
 - C1) 19' OF 12" HDPE @ 0.5%

COX AND DINKINS
 ENGINEERS - SURVEYORS

COX AND DINKINS, INC.
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 COLUMBIA, SC 29205
 803-254-0518
 Fax: 803-765-0993
 Email: cdinc@coxanddinkins.com

PROJECT: 1668

TMS 121 004 000 0632 0000

BOOK 204-11-18 SF NO. 354 24

REGISTERED PROFESSIONAL ENGINEER
 NO. 24748

CAMPUS PLANNING
 AND CONSTRUCTION
 COLUMBIA, SC 29208

CHECKED BY: _____

DATE: 07-31-2013

DRAWN BY: LMB

DATE: 07-31-2013

DESCRIPTION: _____

REV: _____

GRADING & STORM DRAINAGE PLAN

USC AT BEAUFORT
 BEAUFORT COUNTY, BEAUFORT, S.C.

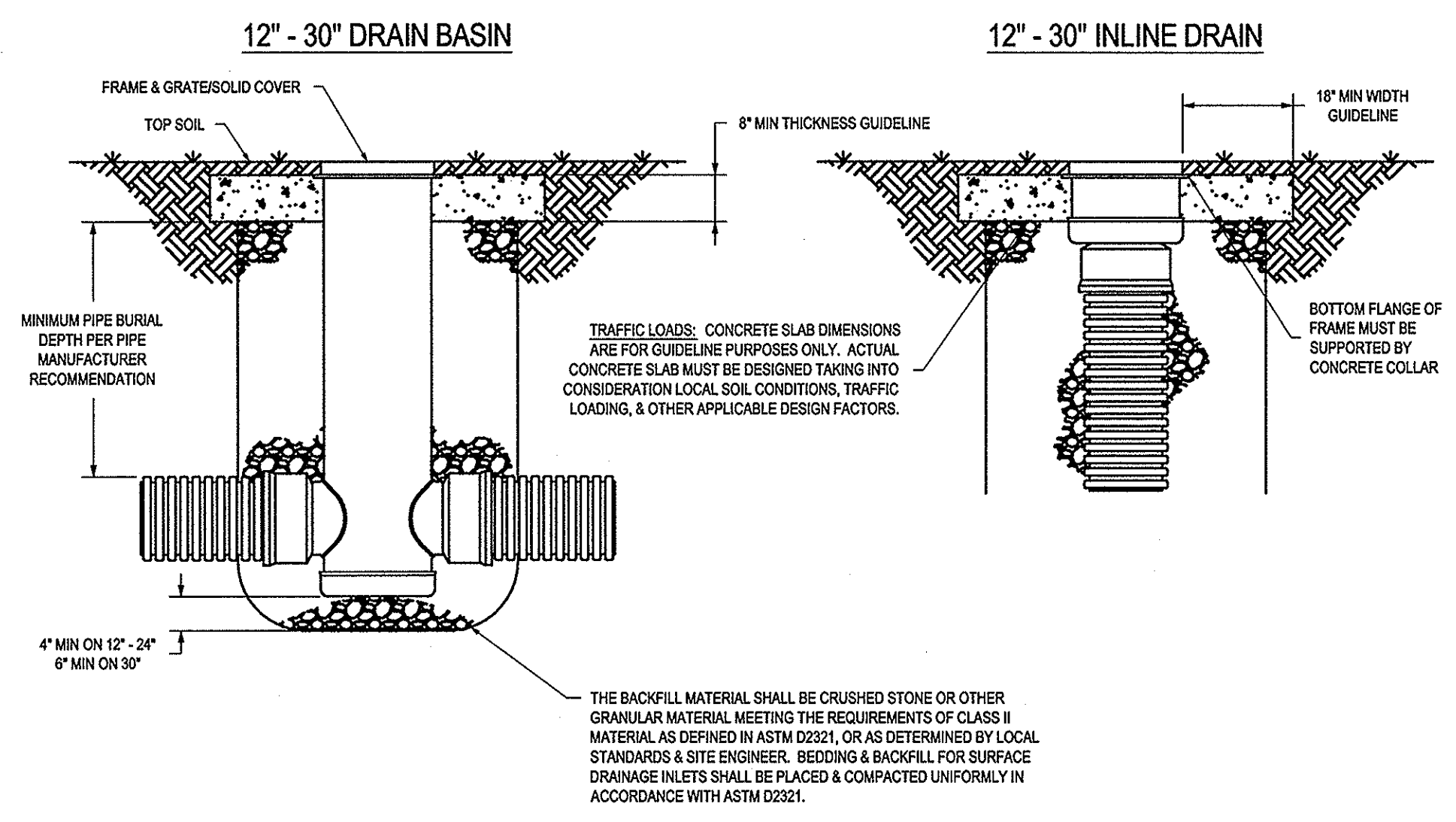
University of South Carolina

PROJECT TITLE: _____

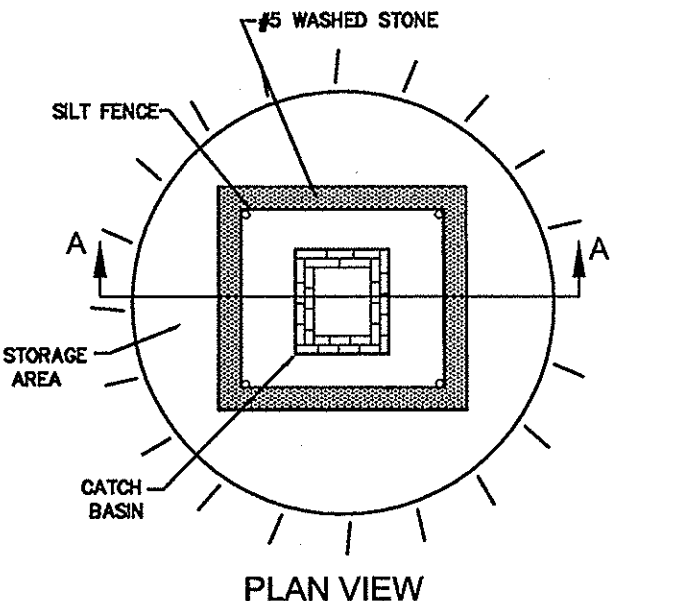
SHEET: _____

C3 OF 4

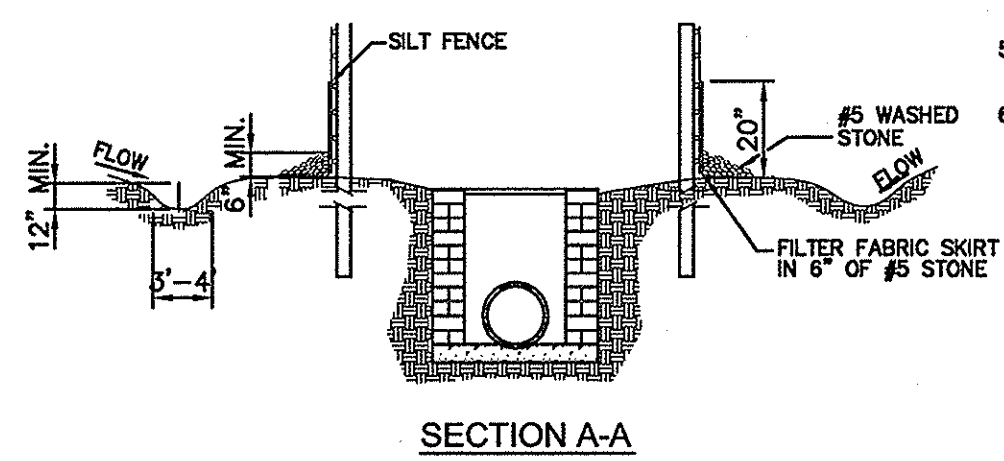
NYLOPLAST TURF TRAFFIC INSTALLATION



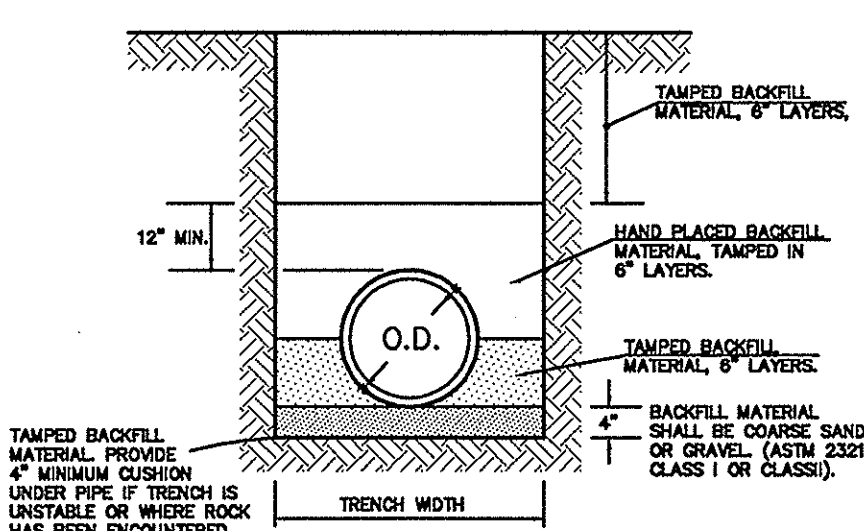
1. GRATES/SOLID COVERS SHALL MEET H-20 LOAD RATING FOR 30' PEDESTRIAN & 12\"/>	THIS PRINT DISCLOSES SUBJECT MATTER BY WHOM NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.	DRAWN BY: EBC DATE: 1-10-09	MATERIAL: NYLOPLAST	3125 VERNON AVE BURLINGAME, CA 94010 PH: (770) 832-2343 FAX: (770) 832-2389 www.nyloplast.com
		DESIGNED BY: EBC DATE: 3-15-10	PROJECT NO: 12-IN - 30-IN DRAIN BASIN & INLINE DRAIN TURF TRAFFIC INSTALLATION	TITLE: 12-IN - 30-IN DRAIN BASIN & INLINE DRAIN TURF TRAFFIC INSTALLATION
		DWG SIZE: A SCALE: 1/25 SHEET: 1 OF 1	DWG NO.: 7001-119-340	REV: B



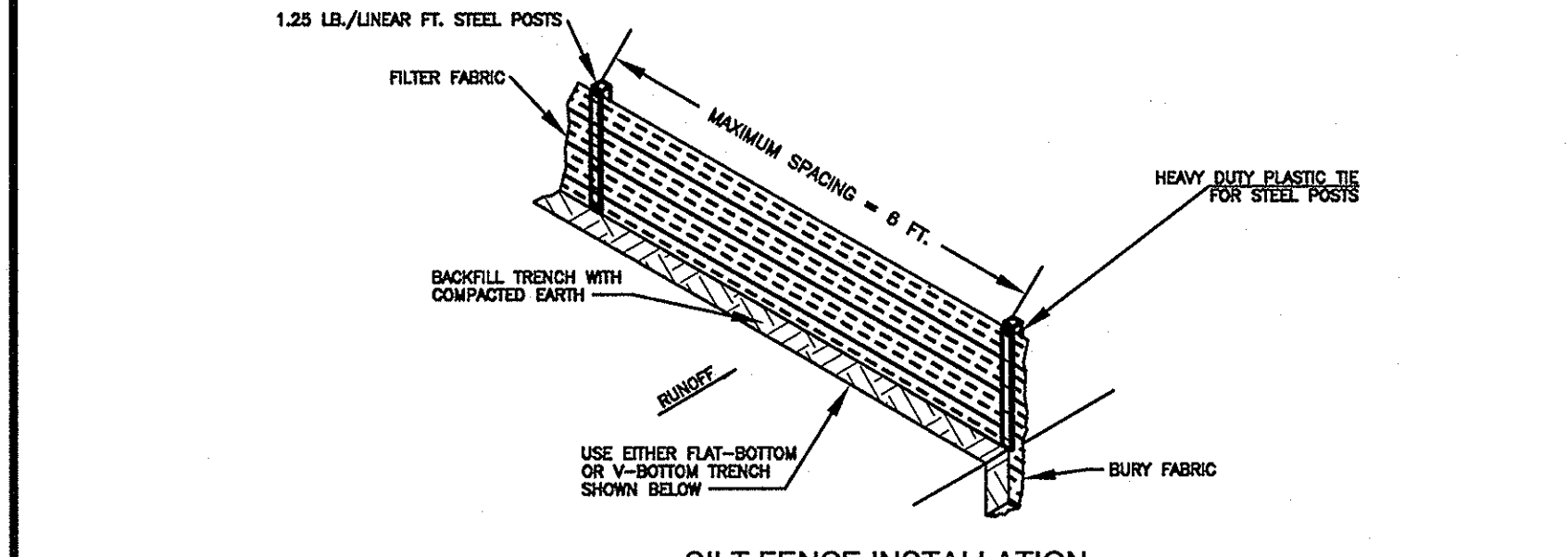
- GENERAL NOTES:**
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE TRAP.
 - REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
 - THE STRUCTURE SHALL BE INSPECTED AFTER EACH STORM EVENT BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT AND REPAIRS MADE AS NECESSARY.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
 - THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED.
 - WHEN THE DRAINAGE BASIN HAS BEEN PROPERLY STABILIZED, SEE SILT FENCE DETAIL FOR SILT FENCE INSTALLATION.
 - INSTALLATION.



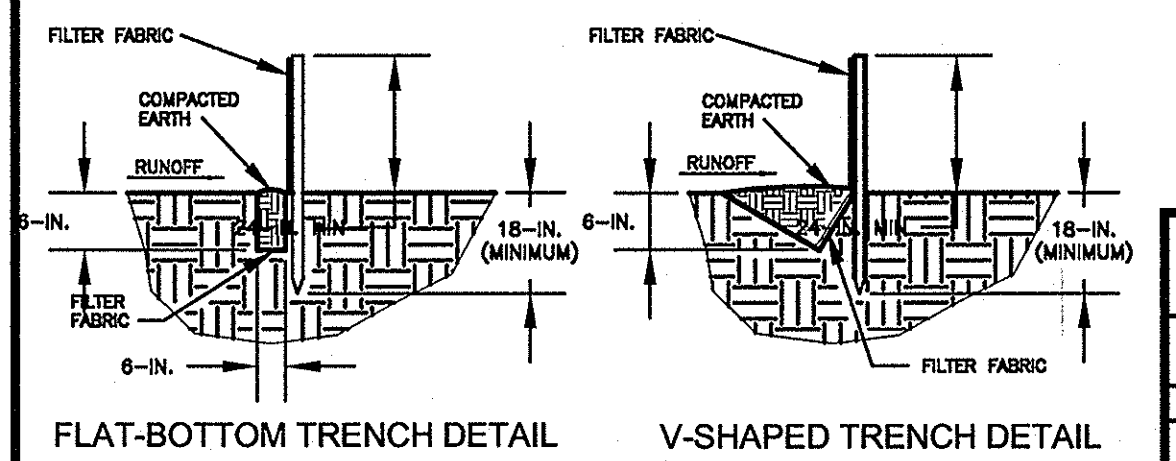
SILT-BOX INLET PROTECTION DETAIL



PVC PIPE BEDDING AND BACKFILLING DETAIL



SILT FENCE INSTALLATION



South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. **SC-03** Page 1 of 2

APPROVED BY: [Signature] DATE: AUGUST, 2008

SILT FENCE DETAIL

When and Where to Use It
Silt fence is applicable in areas: Where the maximum sheet or overlap flow path length to the fence is 100-feet. Where the maximum slope steepness (normal [perpendicular] to fence line) is 2H:1V. That do not receive concentrated flows greater than 0.5 cfs. Do not place silt fence across channels or use it as a velocity control BMP.

Materials
Steel Posts
Use 1/2-inch long steel posts that meet the following minimum physical requirements:
Composed of high strength steel with minimum yield strength of 50,000 psi.
Have a standard T section with a nominal face width of 1.38-inches and nominal T length of 1.48-inches.
Weigh 1.25 pounds per foot (± 8%).
Have a soil stabilization plate with a minimum cross section area of 17-square inches attached to the steel posts. Painted with a water based baked enamel paint.

Use steel posts with a minimum length of 4-feet, weighing 1.25 pounds per linear foot (± 8%) with projections to aid in fastening the fabric. Except when heavy clay soils are present on site, steel posts will have a metal soil stabilization plate welded near the bottom such that when the post is driven to the proper depth, the plate will be below the ground level for added stability. The soil plates should have the following characteristics:
Be composed of minimum 1/2 gauge steel.
Have a minimum cross section area of 17-square inches.

Geotextile Filter Fabric
Filter fabric is:
Composed of fibers consisting of long chain synthetic polymers composed of at least 85% by weight of polyolefins, polyesters, or polyamides. Formed into a network such that the filaments or yarns retain dimensional stability relative to each other. Free of any treatment or coating which might adversely affect its physical properties after installation. Free of defects or flaws that significantly affect its physical and/or filtering properties. Cut to a minimum width of 36 inches.

Installation
Excavate a trench approximately 6-inches wide and 6-inches deep when placing fabric by hand. Place 12-inches of geotextile fabric into the 6-inch deep trench, extending the remaining 6-inches towards the upslope side of the trench. Backfill the trench with soil or gravel and compact. Bury 12-inches of fabric into the ground when pneumatically installing silt fence with a slicing method. Purchase fabric in continuous rolls and cut to the length of the barrier to avoid joints. When joints are necessary, wrap the fabric together at a support post with both ends fastened to the post, with a 6-inch minimum overlap. Install posts to a minimum depth of 18-inches. Install posts a minimum of 1- to 2- inches above the fabric, with no more than 3-feet of the post above the ground. Space posts to maximum 6-foot centers. Attach fabric to the steel posts using heavy-duty plastic ties that are evenly spaced and placed in a manner to prevent sagging or tearing of the fabric. In all cases, ties should be affixed in no less than 4 places. Install the fabric a minimum of 24-inches above the ground. When necessary, the height of the fence above ground may be greater than 24-inches. In tidal areas, extra silt fence height may be required. The post height will be twice the exposed post height. Post spacing will remain the same and extra height fabric will be 4-, 5-, or 6-foot tall. Locate silt fence checks every 100 feet maximum and at low points. Install the fence perpendicular to the direction of flow and place the fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.

Inspection and Maintenance
Inspect every seven calendar days and within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation. Check for sediment buildup and fence integrity. Check where runoff has eroded a channel beneath the fence, or where the fence has sagged or collapsed by fence overlapping. If the fence fabric tears, begins to decompose, or in any way becomes ineffective, replace the section of fence immediately. Remove sediment accumulated along the fence when it reaches 1/3 the height of the fence, especially if heavy rains are expected. Remove trapped sediment from the site or stabilize it on site. Remove silt fence within 30 days after final stabilization is achieved or after temporary best management practices (BMPs) are no longer needed. Permanently stabilize disturbed areas resulting from fence removal.

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SEEDING SCHEDULE

FROM MAY 1 - AUGUST 31	FROM SEPTEMBER 1 - APRIL 30
1 pound Brown top millet	2 pounds Annual Rye Grass
1 pound Hulled Bermuda	1 pound Hulled Bermuda
1.5 pounds 10-10-10 Fertilizer	1.5 pounds Unhulled Bermuda
1 pound Limestone	25 pounds 10-10-10 Fertilizer
75 pounds Limestone	75 pounds Limestone
or	or
1 pound Brown top millet	2 pounds Annual Rye Grass
1 pound Hulled Bermuda	0.5 pound Hulled Bermuda
1.5 pounds 10-10-10 Fertilizer	1 pound Unhulled Bermuda
1 pound Limestone	*25 pounds 10-10-10 Fertilizer
75 pounds Limestone	25 pounds 10-10-10 Fertilizer
or	or
(Deep Sandy Soils)	1 pound Annual Rye Grass
1 pound Brown top millet	1 pound Fescue Grass
1 pound Bahia Grass	25 pounds 10-10-10 Fertilizer
1.5 pounds 10-10-10 Fertilizer	75 pounds Limestone
1 pound Limestone	75 pounds Limestone
or	or
1 pound Brown top millet	1 pound Unhulled Bermuda
1 pound Bahia Grass	2 pounds Rye Grass or Grain Rye
1.5 pounds 10-10-10 Fertilizer	*25 pounds Bahia Grass
1 pound Limestone	25 pounds 10-10-10 Fertilizer
75 pounds Limestone	75 pounds Limestone

* Bahia Grass is a good erosion control grass; however, it produces many seed heads which scatter to other areas. Bahia Grass is hard to mow, but it does not require the care that other grasses require. Around office buildings and within subdivisions, use 4 to 6 ounces of Centipede Grass in lieu of Bahia Grass or in combination with Bermuda Grass.

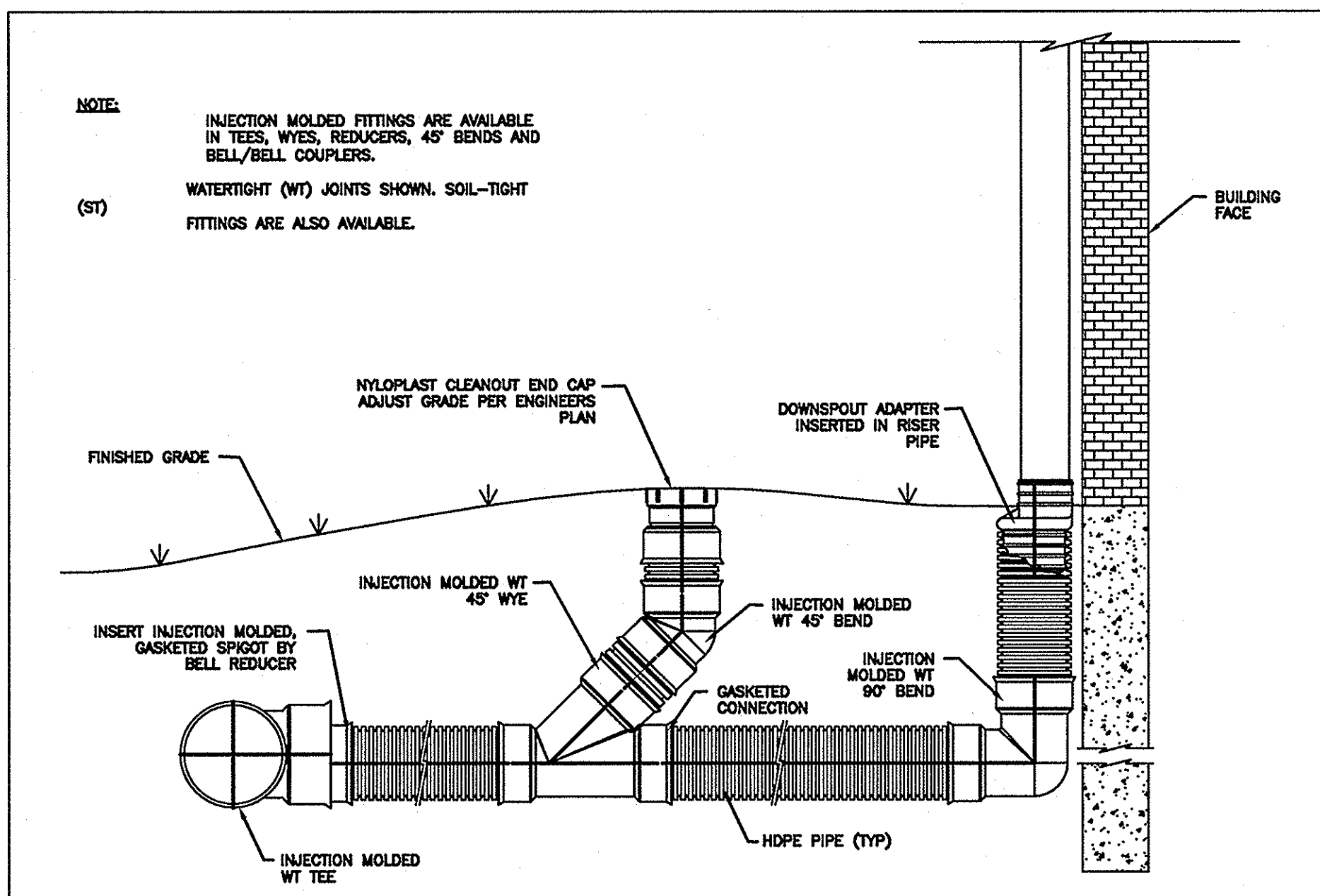
** For soils with clay subsoil. Do not plant in sandy soils.

Notes:

- On all vegetated swales or ditches with side slopes (cut or fill) steeper than 2:1, add 4 to 6 ounces per 1,000 square feet of Weeping Love Grass seed to any of the above mixtures.
- Swale and ditch bottoms should be double seeded.
- All slopes steeper than 2:1 shall be hydroseeded.
- Growth of Rye Grass in early spring must be suppressed to prevent Rye from choking out permanent grass such as Bermuda, Bahia or Fescue.

TEMPORARY SEEDBED PREPARATION

- SURFACE WATER CONTROL MEASURES SHALL BE INSTALLED ACCORDING TO PLAN
- AREA TO BE SEEDBED SHALL BE RIPPED AND SPREAD WITH AVAILABLE TOP SOIL 3" DEEP. TOTAL SEEDBED PREPARED DEPTH SHALL BE 4" TO 6" DEEP.
- LOOSE ROCKS, ROOTS AND OTHER OBSTRUCTIONS SHALL BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND MAINTENANCE OF VEGETATION. SURFACE FOR FINAL SEEDBED PREPARATION, AT FINISH GRADES SHOWN, SHALL BE REASONABLY SMOOTH AND UNIFORM.
- IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME TO BE ACCORDING TO SEEDING SCHEDULE. IN ADDITION, PROVIDE 15 LBS./100 SF OF SUPERPHOSPHATE.
- IF SOIL TEST IS TAKEN, PROVIDE LIME AND FERTILIZER ACCORDING TO SOIL TEST REPORT.
- LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
- MULCH TO BE TACKED OR MECHANICALLY TIED DOWN WITHIN TWO DAYS AFTER MULCH IS SPREAD.



1	UPDATED DRAWING	TJR	01/11/07	CHS
2	DESCRIPTION	BY	MM/20/07	CHS



CAMPUS PLANNING AND CONSTRUCTION
COLUMBIA, SC 29208

APPROVED BY: [Signature]
DATE: 07-31-2013

CHECKED BY: [Signature]
DATE: 04-22-03

DRAWN BY: [Signature]
DATE: 07-31-2013

DESIGNED BY: [Signature]
DATE: 07-31-2013

REVISIONS:

NO.	DESCRIPTION	DATE	BY

PROJECT TITLE: **USC AT BEAUFORT**
BEAUFORT COUNTY, BEAUFORT, S.C.

UNIVERSITY OF SOUTH CAROLINA

SHEET: C4 OF 4