

# INNOVATION CENTER PARK

COLUMBIA, SOUTH CAROLINA

[illegible]

GENERAL NOTES:		SHOP DRAWINGS & MISC. SUBMITTALS	
<p>1. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.</p> <p>2. THE CONTRACTOR BARES ALL RESPONSIBILITY FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, WALKS AND CURBS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO BEFORE MENTIONED INFRASTRUCTURE THAT ARE TO REMAIN SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. SITE SOLUTION ASSUMES NO RESPONSIBILITY FOR ANY UTILITIES NOT SHOWN ON PLANS.</p> <p>3. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNERS SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.</p> <p>4. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL FOOTINGS AND WALLS ARE TO BE SURVEYED, LAID OUT AND STAKED FOR REVIEW BY OWNER, ARCHITECT AND LANDSCAPE ARCHITECT. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEMOLITION, ADJUSTMENTS OR RECONSTRUCTION RESULTING FROM UNAUTHORIZED CONSTRUCTION ACTIVITIES.</p> <p>5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY SITE SOLUTIONS ARE FOR CONVENIENCE ONLY. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.</p> <p>6. EASEMENTS, BUILDING SETBACKS, CURB AND GUTTER AND UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO SITE SOLUTIONS BY THE PROJECT CIVIL ENGINEER. REFER TO CIVIL DRAWINGS FOR ADDITIONAL SITE INFORMATION.</p> <p>7. CONTRACTOR TO VERIFY THAT A MIN. DEPTH OF 36" OF SPECIFIED TOP SOIL MIX IS PROVIDED FOR ALL PROPOSED PLANTING AREAS ON GRADE UNLESS OTHERWISE NOTED IN DRAWINGS.</p> <p>8. ALL LANDSCAPE AREAS EITHER ON-STRUCTURE OR WITHIN FIBERGLASS AND CONCRETE PLANTERS TO BE LIGHT WEIGHT SOIL MIX.</p> <p>9. CONTRACTOR TO PROVIDE AS BUILT CONDUIT LAYOUT TO PROPOSED SITE LIGHTING PRIOR TO APPROVAL. COORDINATE W/ OWNER WHERE TO TIE IN TO ELECTRIC SERVICE.</p> <p>10. ALL <u>PLANTED POTS</u> TO BE HAND WATERED AND MAINTAINED.</p> <p>11. SITE FURNITURE (BENCH, UMBRELLAS, ETC.)AND SITE LIGHTING TO BE AN ALTERNATE</p> <p>12. ALL SURFACES TO BE POWER-WASH CLEANED AT SUBSTANTIAL AND FINAL COMPLETION</p>		<p>CONTRACTOR SHALL PREPARE AND PROVIDE SHOP DRAWINGS FOR THE REVIEW BY THE ARCHITECT AND LANDSCAPE ARCHITECT FOR THE FOLLOWING ITEMS:</p> <p>1. BRICK RETAINING WALL 2. CONCRETE RETAINING WALL 3. LANDSCAPE MATERIAL PHOTOS 4. ADA RAMP 5. STEPPING STONE 6. PAVERS 7. LIGHTING CUT SHEETS 8. LIGHT POSTS 9. HANDRAILS 10. CAST STONE CAPS 11. STEPS AND RAILING</p>	
		SAMPLES	
		<p>CONTRACTOR SHALL PROVIDE SAMPLES FOR THE REVIEW BY THE OWNER, ARCHITECTS AND LANDSCAPE ARCHITECT FOR THE FOLLOWING ITEMS:</p> <p>1. CONCRETE 2. SIDEWALK 3. PAVERS 4. RIVER ROCK 5. BRICK VENEER 6. CAST STONE CAP</p>	
		MOCK UPS	
		<p>CONTRACTOR SHALL PREPARE 4' X 4' min. MOCK UPS FOR THE REVIEW BY THE OWNER, ARCHITECTS AND LANDSCAPE ARCHITECT FOR THE FOLLOWING ITEMS:</p> <p>1. CONCRETE 2. STEP STONES 3. PAVERS 4. BRICK VENEER</p>	
LAYOUT NOTES:			
<p>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS, GIVING NOTICES, AND PAYING FEES. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING CODES AND ORDINANCES RELATING TO THIS CONSTRUCTION PROJECT.</p> <p>2. IN EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTER DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.</p> <p>3. WHERE PLAN DETAILS DIFFER FROM CITY STANDARDS, THE LATTER SHALL BE SUBSTITUTED IN APPROVED IN WRITING BY LANDSCAPE ARCHITECT.</p> <p>4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.</p> <p>5. NO SUBSTITUTIONS OF ANY MATERIALS OR PRODUCTS SHALL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.</p> <p>6. CONTRACTOR TO LAY OUT ALL PROPOSED <u>WALK, WALLS, FENCING, RAILING, HANDRAILS, LIGHTING, SITE FURNISHINGS, PAVERS, STEPS, LANDSCAPE, TRELLIS, AND IRRIGATION</u> AND RECEIVE OWNER AND LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO CONSTRUCTION.</p>			

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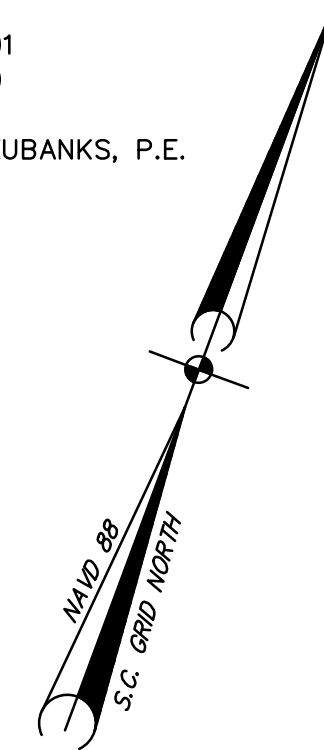
	EXISTING CONTOUR
	EXISTING STORM STRUCTURE ID
	EXISTING STORM PIPE
	EXISTING UNDERGROUND POWER
	LIMITS OF DISTURBANCE

DEVELOPER: UNIV OF SOUTH CAROLINA  
CONTACT: EMILY JONES  
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CONTACT: KEVIN EUBANKS, P.E.

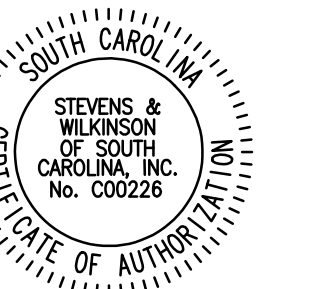
- 1) THIS PROPERTY IS LOCATED WITHIN THE CITY LIMITS OF COLUMBIA, SC AND IS SHOWN AS RICHLAND COUNTY TMS# 11303-11-01, AND PORTIONS OF TMS# 11303-11-04 AND TMS# 11303-11-05.
- 2) ALL ELEVATIONS SHOWN HAVE BEEN BASED UPON NAVD 88 DATUM.
- 3) THIS PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD ZONE AS TAKEN FROM THE NATIONAL FLOOD INSURANCE PROGRAM (FLOOD INSURANCE RATE MAP) FOR RICHLAND COUNTY FROM MAP NO. 4501-R-01-01A DATED SEPTEMBER 29, 2010.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 5) ALL DIMENSIONS REFERENCED TO THE CURB INCLUDING RADII ARE TO THE FACE OF CURB (PARKING LOT SIDE).

1) SITE SURVEY AND TOPOGRAPHIC SURVEY PLAT PREPARED FOR  
HOLDER PROPERTIES, DATED MARCH 2013, BY AMERICAN ENGINEERING  
CONSULTANTS, INC.

ARCHITECTURE  
ENGINEERING  
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CORPORATE SEAL



ARCHITECT/ENGINEER SEAL

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Atlanta, Georgia 30327 [www.sitesolutionsla.com](http://www.sitesolutionsla.com)

[illegible]

PROVED FOR CONSTRUCTION  
T APPROVED FOR CONSTRUCTION

PROJECT NUMBER: 16018.00  
DATE: FEBRUARY 22, 2016

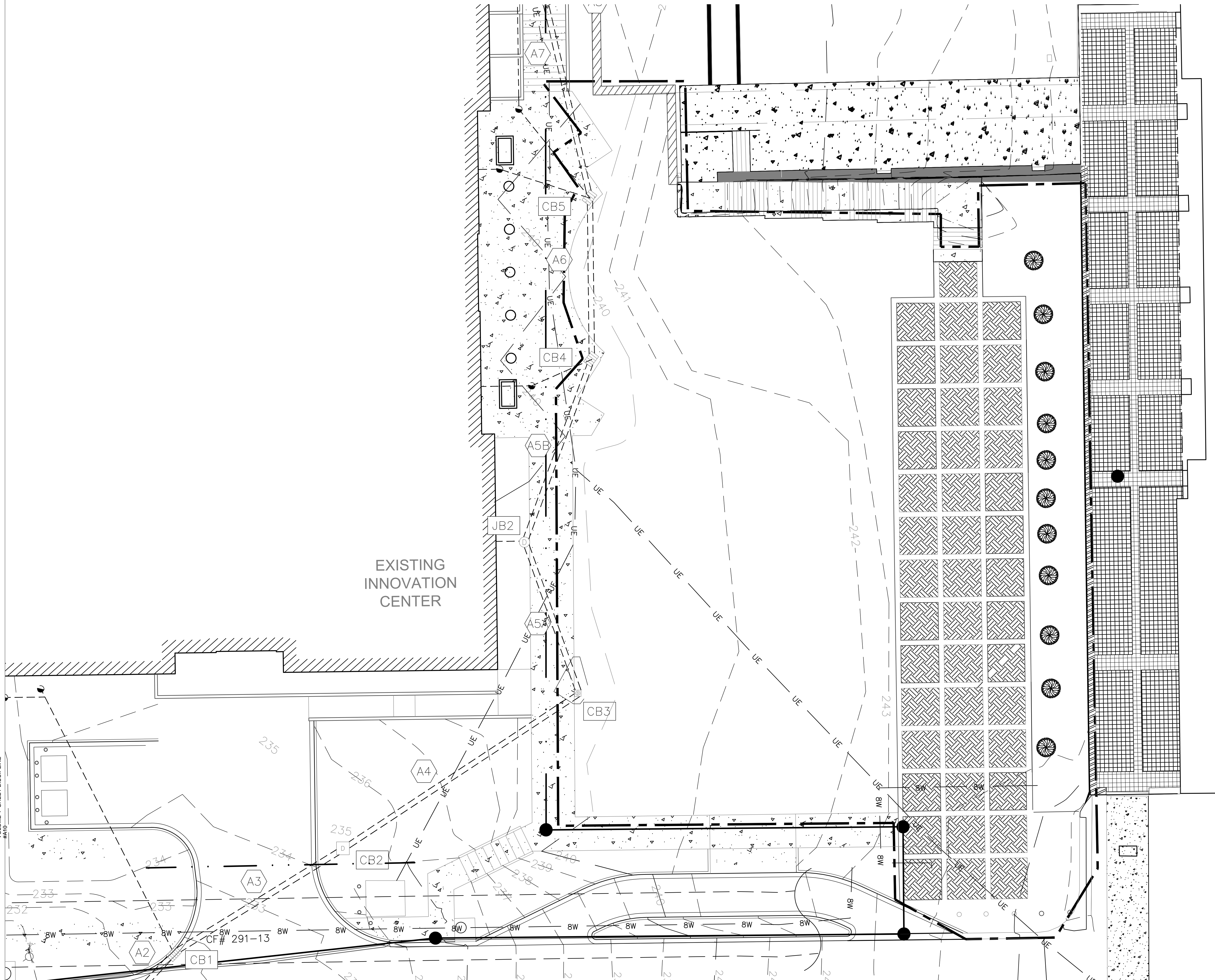
UNIVERSITY OF SOUTH  
CAROLINA

INNOVATION CENTER  
PARK

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## EXISTING CONDITIONS PLAN

**C1.00**



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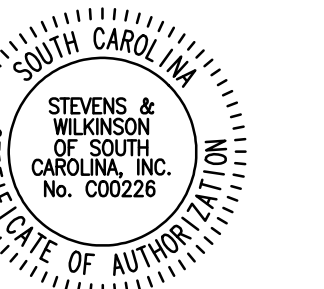
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- 2) ALL ELEVATIONS SHOWN HAVE BEEN BASED UPON NAVD 88 DATUM.
- 3) THIS PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD ZONE AS TAKEN FROM THE NATIONAL FLOOD INSURANCE PROGRAM (FLOOD INSURANCE RATE MAP), FLOOD INSURANCE POLICY MAP NO. 4501-00-01, DATED SEPTEMBER 29, 2010.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 5) ALL DIMENSIONS REFERENCED TO THE CURB INCLUDING RADII ARE TO THE FACE OF CURB (PARKING LOT SIDE).

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CORPORATE SEAL



ARCHITECT/ENGINEER SEAL

The diagram illustrates the relationship between existing and proposed contours and a specific spot elevation. It consists of three horizontal sections. The top section, labeled 'EXISTING CONTOUR', shows two dashed lines with elevations 229 and 220. The middle section, labeled 'PROPOSED CONTOUR', shows two solid lines with elevations 263 and 265. Below the proposed contour, a box contains the value '239.50', with an arrow pointing down to a thick dashed line labeled 'LIMITS OF DISTURBANCE'.

ALL EXISTING GRADES ON-SITE ARE APPROXIMATE AND HAVE NOT BEEN SURVEYED. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING CONTOURS.



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SUBMITTALS (BY LETTER)/REVISIONS (BY NUMBER)

[illegible]

APPROVED FOR CONSTRUCTION  
NOT APPROVED FOR CONSTRUCTION

PROJECT NUMBER: 16018.00  
DATE: FEBRUARY 22, 2016

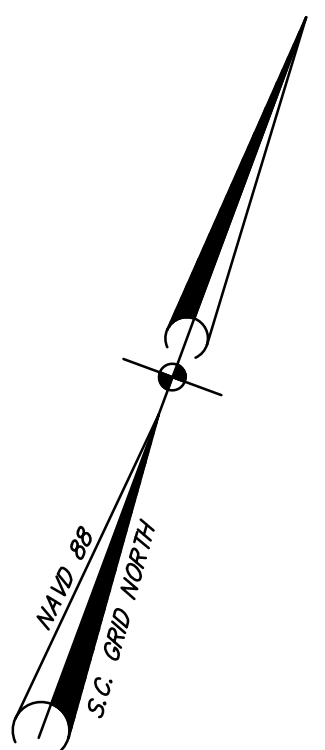
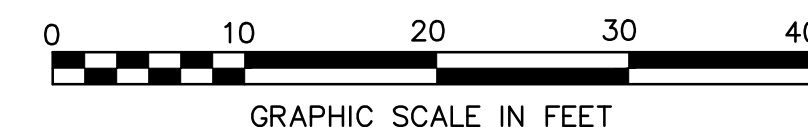
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PARK

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## TRADING PLAN

**C3.00**



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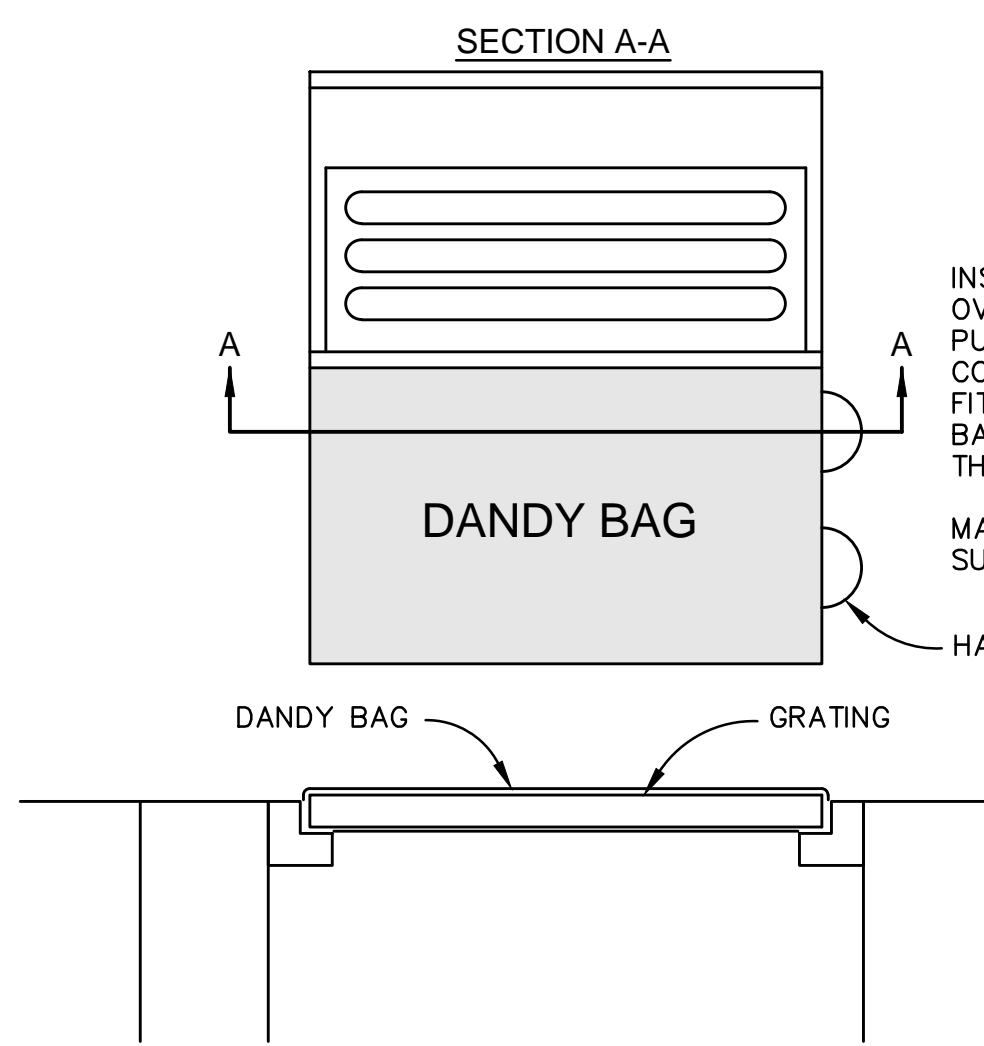
SECTION A-A

**GENERAL NOTES:**

1. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.
2. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH STORM EVENT BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT AND REPAIRS MADE AS NECESSARY.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE BASIN HAS BEEN PROPERLY STABILIZED.
6. SEE SILT FENCE DETAIL FOR SILT FENCE INSTALLATION.

**(SB) SILT-BOX INLET PROTECTION DETAIL**

NTS



INSTALLATION STAND GRATE ON END. PLACE DANDY BAG OVER GRATE. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR DANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE DANDY BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT RED DOT ON THE TOP OF THE DANDY BAG IS VISIBLE.

MAINTENANCE : AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF DANDY BAG WITH BROOM.

- HANDLE

**(DB) DANDY BAG INLET PROTECTION DETAIL**

(OR ENGR APPROVED EQUAL)

NTS

CONTACT INFO:  
DANDY PRODUCTS  
2011-R HARRISBURG PIKE  
GROVE CITY, OHIO 43123  
800-591-2284

## DEVELOPER'S INFORMATION

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### ENGINEER'S INFORMATION

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NOTES:

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- 3) THIS PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD ZONE AS TAKEN FROM THE NATIONAL FLOOD INSURANCE PROGRAM (FLOOD INSURANCE RATE MAP), FIRM NUMBER 1303-01-0001A, DATED SEPTEMBER 29, 2010.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- 5) ALL DIMENSIONS TO THE CURB INCLUDING RADI ARE TO THE FACE OF CURB (PARKING LOT SIDE).

REFERENCES:



- 1) SITE SURVEY AND TOPOGRAPHIC SURVEY PLAT PREPARED FOR  
HOLDER PROPERTIES, DATED MARCH 2013, BY AMERICAN ENGINEERING  
CONSULTANTS, INC.

## CONSTRUCTION SEQUENCE

- 1) RECEIVE GRADING PERMIT APPROVAL FROM CITY OF COLUMBIA & NPDES PERMIT COVERAGE FROM SCDHEP.
- 2) CONDUCT ON-SITE PRE-CONSTRUCTION MEETING WITH CITY OF COLUMBIA STORMWATER.
- 3) NOTIFY THE CITY OF COLUMBIA UTILITIES & ENGINEERING STAFF AT LEAST 48 HOURS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
- 4) VERIFY EXISTING CONSTRUCTION ENTRANCE AND SILT FENCE IS IN PLACE AS SHOWN ON THE PLANS. IF NOT, INSTALL OR REPAIR PRIOR TO STARTING ANY DEMOLITION.
- 5) PERFORM DEMOLITION WORK.
- 6) PERFORM EARTHWORK OPERATIONS
- 7) INSTALL SITE WALLS.
- 8) INSTALL STORM DRAINAGE COLLECTION SYSTEM TO THE INTO EXISTING SYSTEM.
- 9) INSTALL INLET PROTECTION AT ALL STORM DRAINAGE INLETS.
- 9) INSTALL TEMPORARY GRASSING
- 10) PERFORM FINISH GRADING FOR SIDEWALKS/HARDSCAPE AND EVENT LAWN AREA.
- 11) INSTALL SIDEWALK/HARDSCAPE PAVEMENT IN PLAZA AREA.
- 12) INSTALL LANDSCAPING/PERMANENT GRASSING ACCORDING TO LANDSCAPE PLAN.
- 13) AS SEDIMENT-PRODUCING AREAS BECOME PERMANENTLY STABILIZED, REMOVE THE TEMPORARY DEVICES & DISPOSE OF ALL ACCUMULATED SEDIMENT & STABILIZE. CLEAN OUT WATER QUALITY UNIT.
- 14) FINAL INSPECTION BY CITY OF COLUMBIA, PROJECT ENGINEER & CONSTRUCTION MANAGER.
- 15) PERFORM FINAL SITE CLEAN-UP.
- 16) ENGINEER SHALL SUBMIT NOTICE OF TERMINATION (NOT) TO SCDHEP

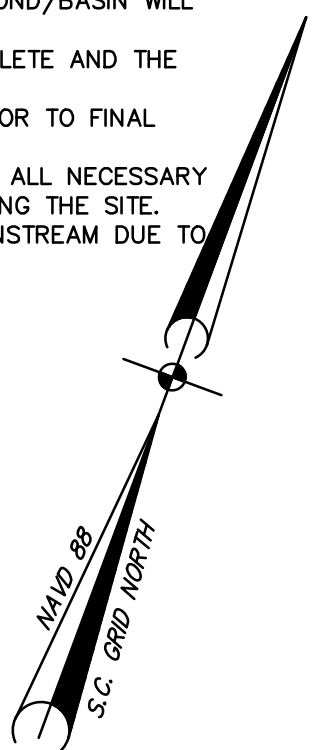
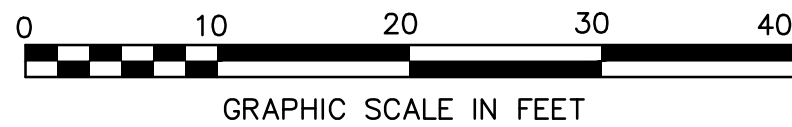


## EROSION CONTROL LEGEND

- (SB) TEMPORARY SILT BOX  
 INLET PROTECTION 
- (DB) TEMPORARY DANDY BAG (OR EQUAL)  
 INLET PROTECTION
- (SF) TEMPORARY SILT FENCE PROTECTION \_\_\_\_\_SF\_\_\_\_\_
- TEMPORARY SILT FENCE PROTECTION \_\_\_\_\_SF\_\_\_\_\_
- (INSTALLED PREVIOUSLY)  
 TEMPORARY CONSTRUCTION  
 ENTRANCE/EXIT 
- (INSTALLED PREVIOUSLY)  
 LIMITS OF DISTURBANCE \_\_\_\_\_
- NOTE:  
 SEE EROSION CONTROL DETAILS  
 FOR ADDITIONAL INFORMATION.

## SEDIMENT & EROSION CONTROL NOTES

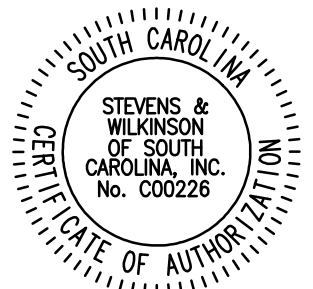
1. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN ISSUED BY CITY OF COLUMBIA AND SOCDHC.
2. ALL ACTIVITIES SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS, IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORMWATER WETWEATHER EVENT.
4. THE EROSION CONTROL MEASURES INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE INSTALLED PRIOR TO INITIAL DISTURBANCE ACTIVITIES AND AS SOON AS PRACTICAL.
5. SEDIMENT SHALL BE PREVENTED FROM DISCHARGE FROM THE PROJECT SITE DURING RAINFALL AND MAINTENANCE ACTIVITIES AS SHOWN ON THIS PLAN. IF SHOWN ON THESE PLANS.
6. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. THE EROSION CONTROL 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.
7. THE CONTRACTOR SHALL CONTROL WASTES, GARBAGE, DEBRIS, WASTEWATER, AND OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF THE STORM WATER POLLUTION PREVENTION PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WASTES AND UNUSED BUILDING MATERIAL, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL IS REQUIRED, COMPLIANCE IS REQUIRED WITH ALL STATE OR LOCAL REGULATIONS REGARDING WASTE DISPOSAL.
8. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS AND GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM ANY SURFACES, AS MAY BE REQUIRED.
9. THE CONTRACTOR SHALL MAINTAIN LUSH GRASS AND AGREST SEEDMENTATION AS SHOWN ON THESE PLANS.
10. STABILIZATION MEASUREMENTS 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 AS STATED BELOW.  
WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INSTALLED PRIOR TO THE NEXT WETWEATHER EVENT WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS. TEMPORARY STABILIZATION COVERS DO NOT NEED TO BE IN PLACE PRIOR TO THE NEXT WETWEATHER EVENT.
11. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY EARTH-DISTURBING ACTIVITIES. THE CONTRACTOR SHALL MAINTAIN AND FOLLOW THE PLANS AND SPECIFICATIONS INCLUDED HEREIN.
12. DURING THE PERIOD OF CONSTRUCTION ACTIVITY, ALL SEDIMENT BASINS AND OTHER EROSION CONTROL MEASURES SHALL BE MAINTAINED AND OPERATED AS REQUIRED. AT COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, IF REQUIRED, WITH THE OWNER. MAINTENANCE SHALL BE IN ACCORDANCE WITH DCEC's MANUAL, "SOUTH CAROLINA CONSTRUCTION MAINTENANCE MANUAL FOR THE STATE OF SOUTH CAROLINA, "BEST PRACTICES" CH. 11.
13. ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH "SOUTH CAROLINA STORMWATER MANAGEMENT AND SEDIMENT CONTROL HANDBOOK FOR LAND DISTURBANCE ACTIVITIES".
14. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES 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. 615.0010 AND 615.0011.
15. 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.
16. ALL AREAS OF THE SITE THAT ARE IN ADJACENT 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 CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WGS. A 10-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WGS. A 10-FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WGS.
17. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE DISCHARGED INTO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
18. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION. USE OF CONSTRUCTION DEVICES TO MAINTAIN OR REPAIR DISTURBED AREAS HAVE BEEN ESTABLISHED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED OR MODIFIED PRIOR TO THE END OF CONSTRUCTION WHEN THE SITE IS STABILIZED.
19. EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS PRACTICAL.
20. THE APPROVED EROSION CONTROL PLAN MUST BE RETAINED ON-SITE AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
21. 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 DITCHES DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
22. IF SYNTHETIC OR PERMANENT VEGETATIVE MATTING IS USED, THE MANUFACTURER'S REPRESENTATIVE SHALL BE CONSULTED. IN INSTALLING THE INSTALLATION OF THE MATERIAL, A LETTER WILL BE PROVIDED TO THE ENGINEER AND OWNER.
23. IF THE INSTALLATION OF THE STORM DRAINAGE SYSTEM IS INTERRUPTED BY WEATHER OR NIGHTFALL, THE CONTRACTOR SHALL MAINTAIN THE STORM DRAINAGE SYSTEM IN A SAFE AND SECURE MANNER.
24. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SLOPE DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSSEED OR HYDROSEEDING PRIOR TO THE UTILITY INSTALLATION.
25. TEMPORARY SEEDING AT THE END OF EACH DAY OF CONSTRUCTION. IF WATER IS ENCOUNTERED WHILE TRENCING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENT BEFORE BEING PUMPED INTO ANY WATERWAY.
26. 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.
27. THE CONTRACTOR SHALL MAINTAIN THE DETENTION POND/SEDIMENT BASIN AT THE DESIGN SEDIMENT BASIN AFTER THE SITE IS STABILIZED, ENSURING THAT THE DESIGN VOLUME OF THE POND/BASIN WILL BE MAINTAINED.
28. ALL EROSION CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
29. THE CONTRACTOR SHALL RESPEAD THE TOPSOIL ON SITE AS MUCH AS POSSIBLE PRIOR TO FINAL GRADING AND STABILIZATION.
30. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AT HIS EXPENSE TO REDUCE EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL CLEANUP AND REPAIR ON-SITE AND DOWNSTREAM DUE TO EROSION AND SILTATION.



STEVENS &amp; WILKINSON

1501 MAIN STREET, SUITE G01  
COLUMBIA, SC 29201

P 803.765.0320 F 803.254.6209  
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ARCHITECT/ENGINEER SEAL

# SITE solutions

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■ PROJECT NUMBER: 16018.00  
■ DATE: FEBRUARY 22, 2016

UNIVERSITY OF SOUTH  
CAROLINA

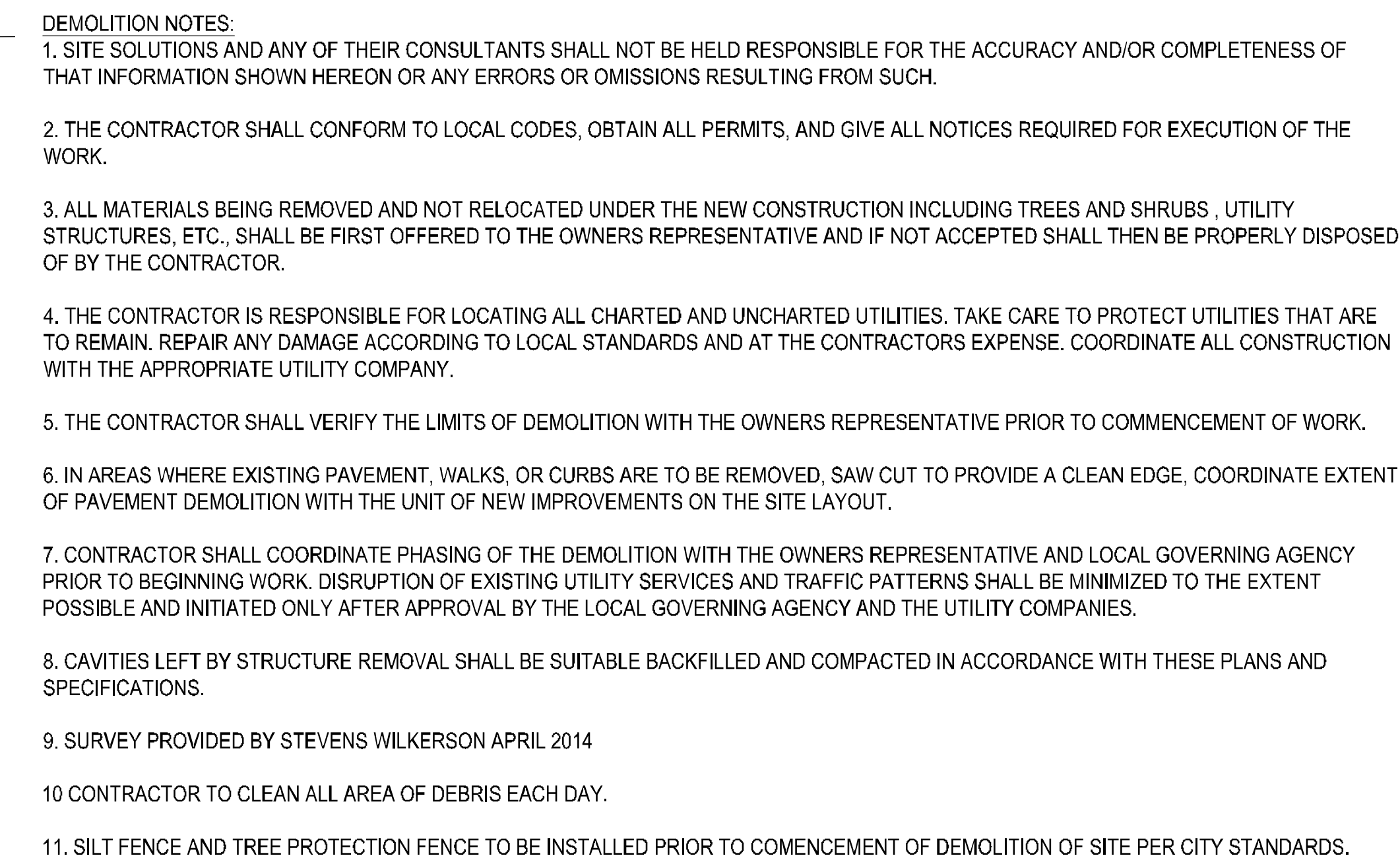
INNOVATION CENTER  
PARK

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## EROSION AND SEDIMENT CONTROL PLAN

**C5.00**



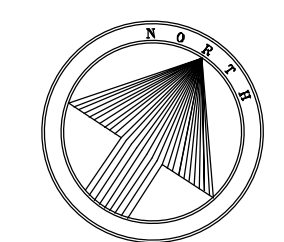
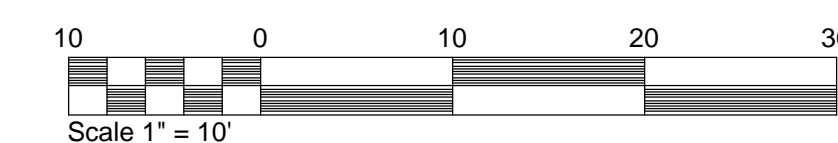


AREA DEMOLISHED (APPROX.): 2,015 S.F.

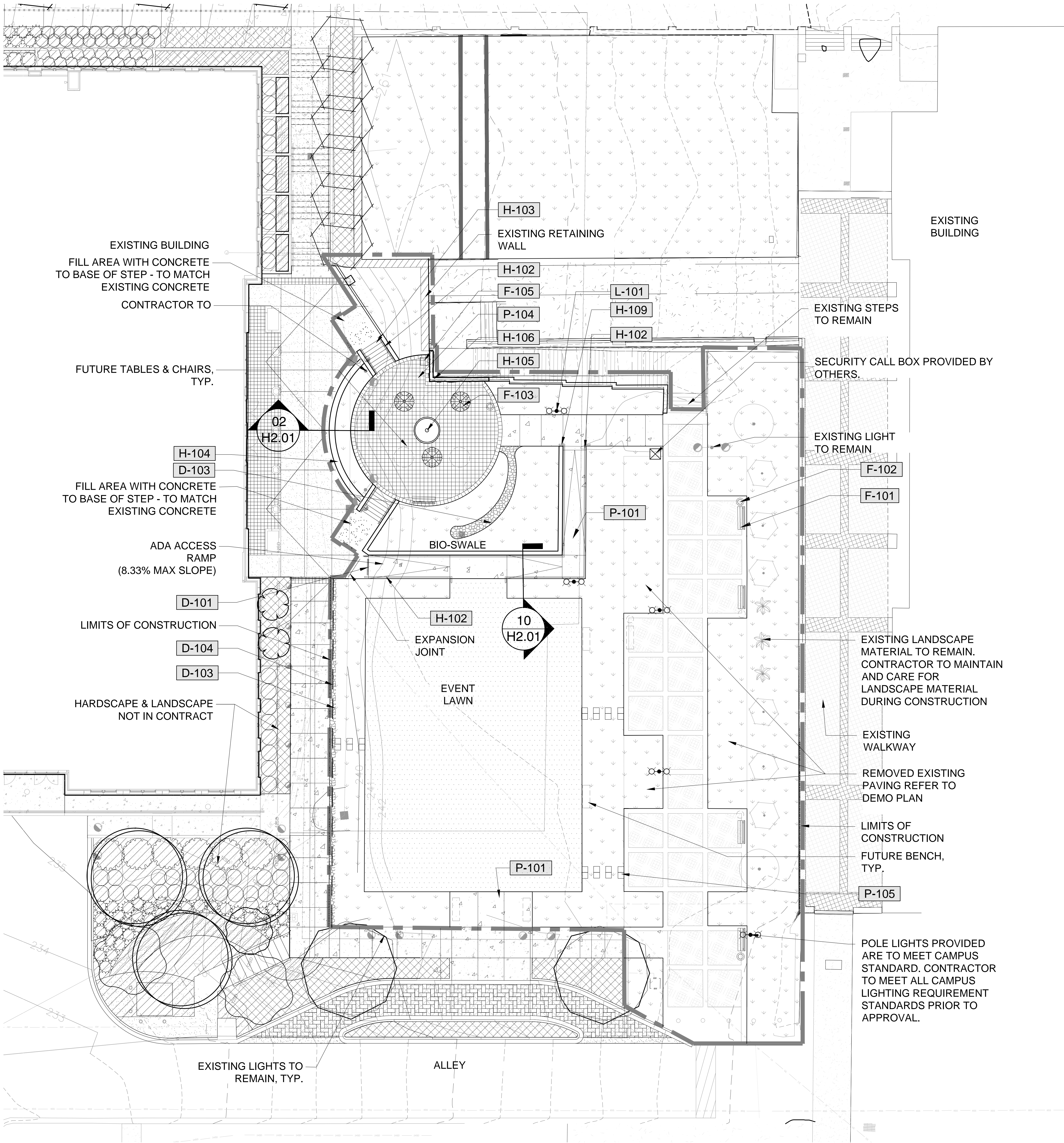
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DATE: 02.02.2016
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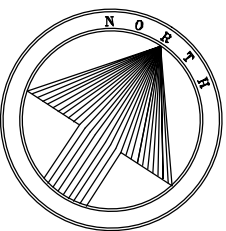
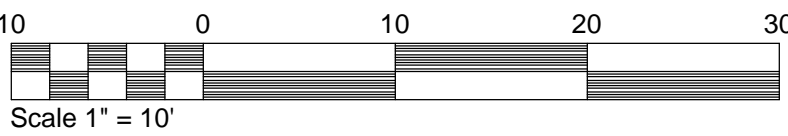




REFERENCE NOTES SCHEDULE

SYMBOL	DRAINAGE DESCRIPTION	DETAIL
D-101	TRENCH DRAIN - REFER TO CIVIL	
D-102	AREA DRAIN - REFER TO CIVIL	
D-103	MEXICAN BEACH PEBBLE RIVER ROCK - 1.5" - 3" DIA. 3" DEPTH	
D-104	PERFORATED DRAIN PIPE, REFER TO CIVIL.	
SYMBOL	SITE FURNISHINGS DESCRIPTION	DETAIL
F-101	BENCHES - PRICE AS ALTERNATE #2	3/H2.02
F-102	TRASH CANS - PRICE AS ALTERNATE #2	1/H2.02
F-103	TABLES WITH UMBRELLA AND CHAIRS - PRICE AS ALTERNATE #2	5/H2.02
F-105	BIG BELLY TRASH COMPACTOR - BY OWNER	2/H2.02
SYMBOL	HARDSCAPE DETAILS DESCRIPTION	DETAIL
H-102	HANDRAIL	5/H2.01
H-103	CONCRETE STEPS	3/H2.01
H-104	BRICK SEAT WALL - BRICK TO MATCH ARCHITECTURE	2/H2.01
H-105	MEDALLION WITH UNIVERSITY LOGO PRICE AS ALTERNATE #2	8/H2.02
H-106	EXISTING RETAINING WALL W/ PAINTED FINISH	1/H2.01
H-109	C.I.P. WALL	10/H2.01
SYMBOL	SITE LIGHTING DESCRIPTION	DETAIL
L-101	POLE LIGHT - PRICE AS ALTERNATE #1	6/H2.02
SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	CONCRETE WALK	6/H2.01
P-104	SAND SET PAVERS	7/H2.01
P-105	STEPPING STONES	9/H2.01

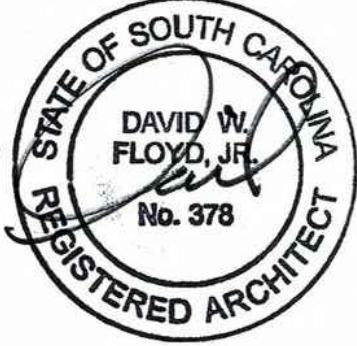
SITE DATA:	
SITE AREA:	18,274 S.F.
IMPERVIOUS AREA (%):	5,132 S.F. (28%)
EXISTING HARDSCAPE:	2,913 S.F.
ADDITIONAL HARDSCAPE:	2,219 S.F.
LANDSCAPE AREA (%):	13,142 S.F (72%)



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University of South Carolina

SHEET STATUS			
MARK	DATE	BY	RELEASE
A	03/03/2016	MDS	BID DOCUMENTS

SHEET TITLE:

HARDSCAPE  
PLAN

PROJECT NUMBER:  
14017

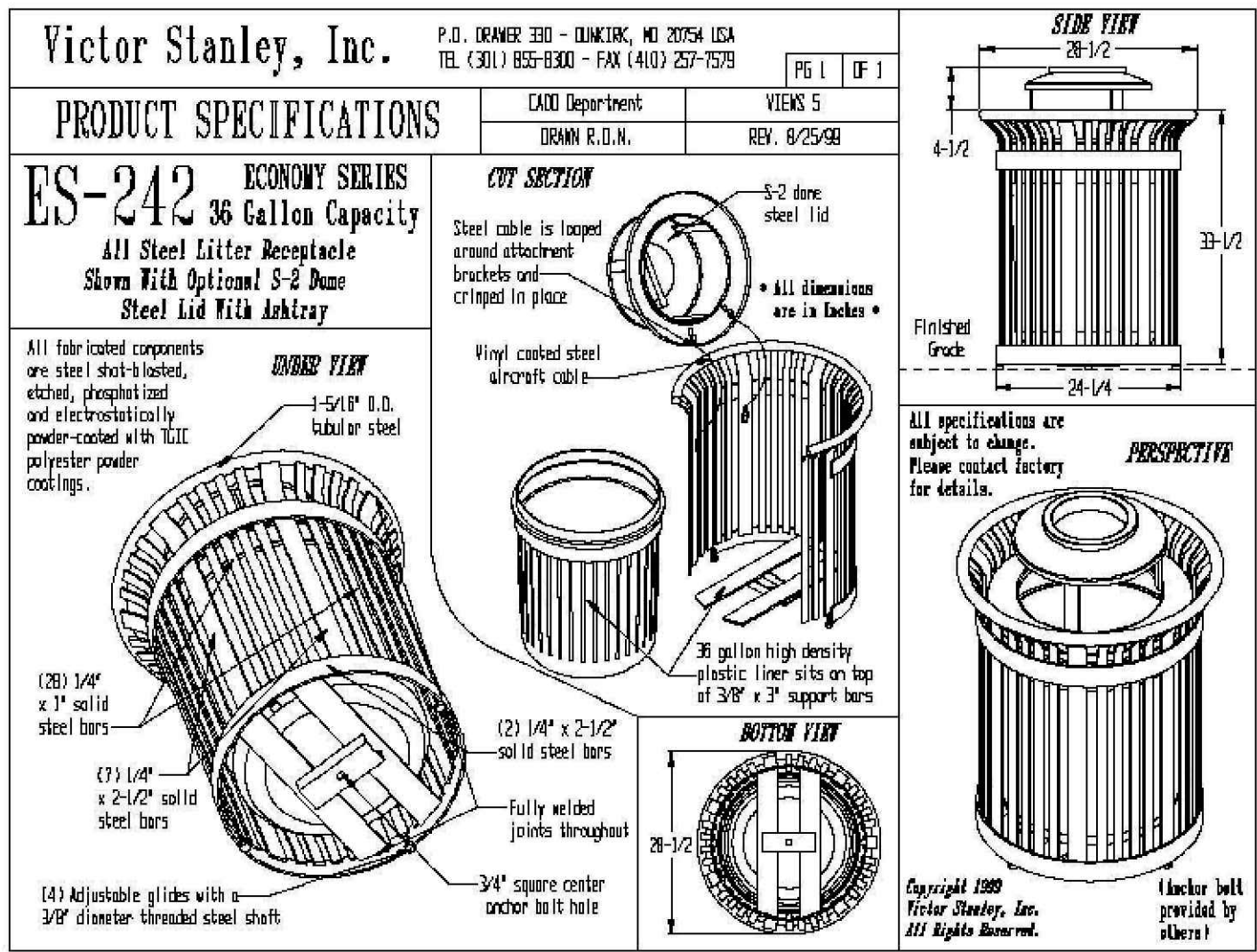
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DATE: 02.02.2016  
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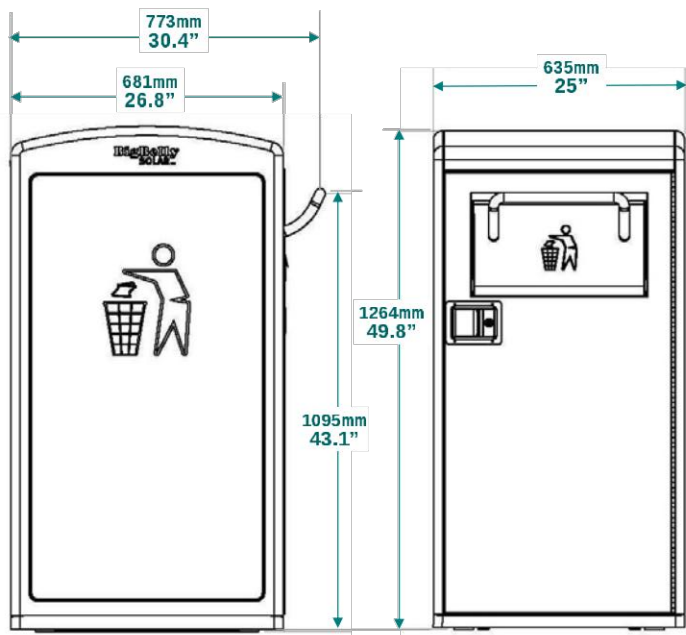




## 1 TRASH RECEPTACLE CUT SHEET

SCALE: N.T.S.

## Bigbelly® High Capacity Compactor



Configurations: Mixed waste or single-stream recycling (with appropriate markings)

### Materials

- RoHS compliant
- Galvanized sheet metal steel interior and exterior construction
- Heavy duty plastic side panels for dent and scratch resistance (recycled content)
- Interior Bin: Single bin is leak proof made out of low density polyethylene plastic

### Power & Electronics

- Polycrystalline silicon cell PV module (20 watts)
- 30 watts HE (high energy) upgrade available
- PV panel protected by polycarbonate bubble
- Spill-proof, sealed maintenance-free battery
- Self-powered unit requires no wiring

Bigbelly Solar, Inc.  
150 A Street - Suite 103  
Needham, MA 02464 USA



Toll-free: +1 888.820.0300  
International: +1 781.444.6002  
FAX: +1 781.444.5651

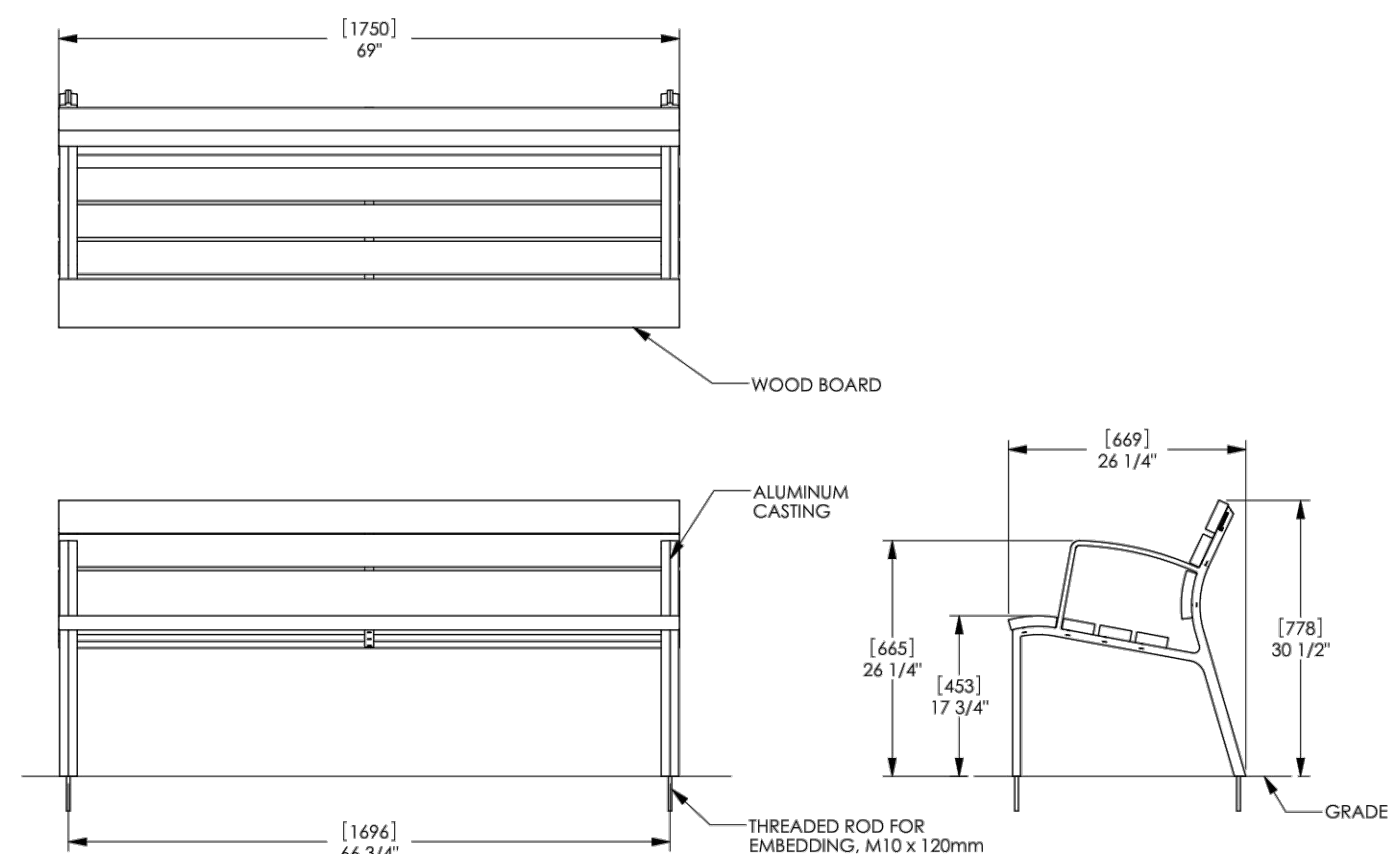
info: 1-800-858-2000

## 2 TRASH COMPACTOR CUT SHEET

SCALE: N.T.S.

Neoliviano Backed Bench, 69in, Embedded, Wood

Date: 9/19/2010  
Product Drawing  
FIN: 800.521.2546



WOOD FINISH: PURPLEHEART  
FRAME FINISH: ALUMINUM

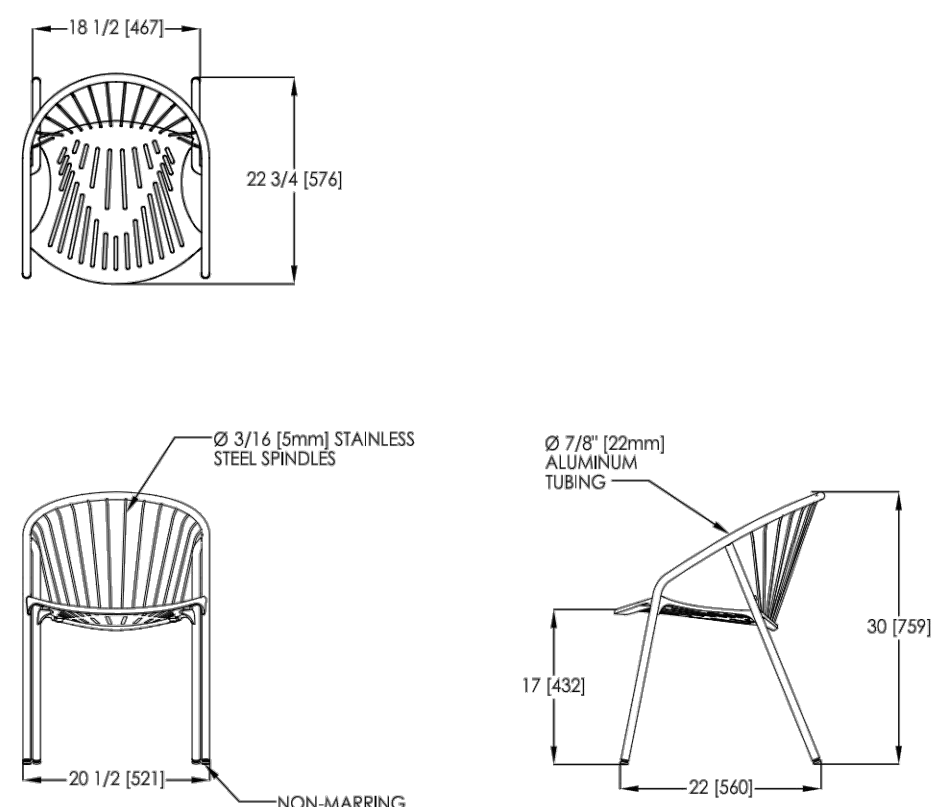
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## 3 LANDSCAPE FORMS NEOLIVIANO BENCH CUT SHEET

SCALE: N.T.S.

Catena™ Chair  
Product Drawing  
Date: 5/3/2010  
FIN: 800.521.2546



FINISH: SILVER  
POWDERCOAT

landscapeforms.com

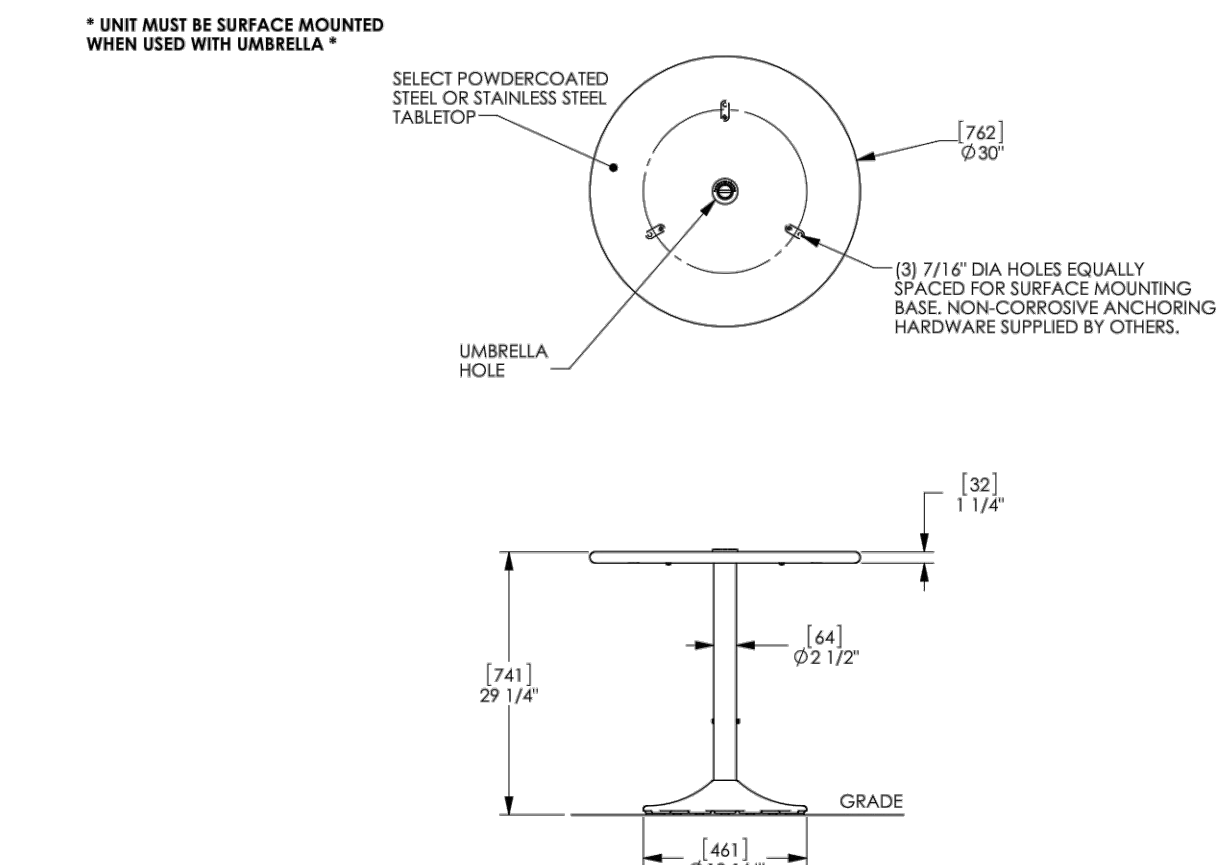
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## 4 LANDSCAPE FORMS CATENA CHAIR CUT SHEET

SCALE: N.T.S.

Catena 30in Round Top, With Umbrella Hole, Catena Surface Mount Support

Date: 6/7/2010  
Product Drawing  
FIN: 800.521.2546



FINISH: SILVER  
POWDERCOAT

landscapeforms.com

NOTE: INCLUDE OPTION TO LINK CHAIRS TO TABLE (FOR THEFT PROTECTION)

## 5 LANDSCAPE FORMS CATENA TABLE CUT SHEET

SCALE: N.T.S.

## D154-TS20R LUMINAIRE

U.S. 20.14

Description  
This contemporary styled D154-TS20R Series combines a cast aluminum housing, a spun aluminum shade and segmented reflector to create an efficient luminaire with Type II (H80) or V (H80) light distribution. The luminaire emits a low level glow. Some of the most popular bracket models for use with this fixture are shown below, however there are others available in the "Brackets & Wall Luminaires" section of this catalog.

Installation  
The luminaire will mount to the bracket as shown on the reverse page. Post top luminaire brackets will mount to a 3" OD post or tenon with (6) 5/16" stainless steel set screws. Wall bracket models have four 3/8" holes for mounting (wall mount hardware is not included).

Electrical  
• High power factor ballast (HPF), core and coil type, pre-wired and tested  
• Easy ballast pod access  
• 4KV pulsed rated porcelain socket  
• Suitable for wet location

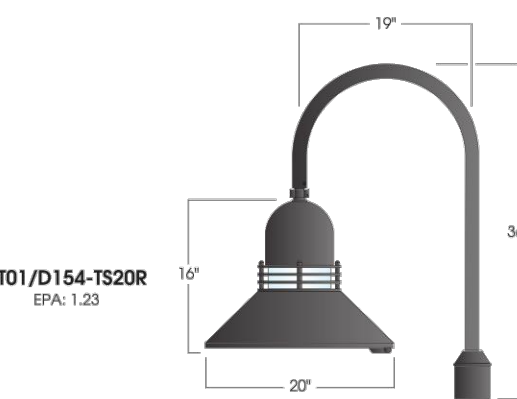
Optical Systems  
(H80-GU) - Type II segmented reflector with a clear flat tempered glass.  
(H80-V) - Type V segmented reflector with a clear flat tempered glass.

Lens  
Clear smooth flat tempered glass (GU)

Finish  
Premium quality thermoset polyester powdercoat for a durable finish in the following:

Standard:  
BLK - Matte Black  
CLB - Classic Bronze  
GRN - Granite Green  
TBL - Textured Black

Premium:  
ATC - Antique Copper  
GTS - Granite Green  
WHT - White



Ordering Information:

Model	UL option for full cutoff	Optical System	Lens	Light Source	Voltage	Finish	Option
D154-TS20R	UL	H80	GU	70,100,150MH 70,100,150WH PL-13 CFL26,32,42	120V 208V 240V 277V	ATC,BLK CLB,GRN GTS,TBK WHT	PCL

See next page for more complete ordering options

800.364.0098 • Fax: 381.997.5441 • www.amerluxusa.com

Amerlux reserves the right to change details that do not affect overall function and performance.

NOTE:  
1) CONTRACTOR TO PROVIDE CUTSHEET FOR LIGHTING FIXTURE, MOUNTING AND POLE FOR APPROVAL BY ELECTRICAL, LANDSCAPE ARCH. AND OWNER PRIOR TO INSTALLATION.  
2) LIGHT FIXTURE, MOUNTING AND POLE TO MATCH EXISTING.

EXISTING LIGHT FIXTURE



## 6 LUMINAIRE CUT SHEET

SCALE: 1" = 1"

## Manhattan Series

U.S. 23.15



AP7402	AP7403	AP7404	AP7405	Overall Height	Finish	Accessories
AP7402-08	AP7403-08	AP7404-08	AP7405-08	8'-0"	BLK	BA18
AP7402-10	AP7403-10	AP7404-10	AP7405-10	10'-0"	CLB	BA34
AP7402-12	AP7403-12	AP7404-12	AP7405-12	12'-0"	GRN	PH-4
AP7402-14	AP7403-14	AP7404-14	AP7405-14	14'-0"	QTB	PH-5
AP7402-16	AP7403-16	AP7404-16	AP7405-16	16'-0"	TBK	GFCI

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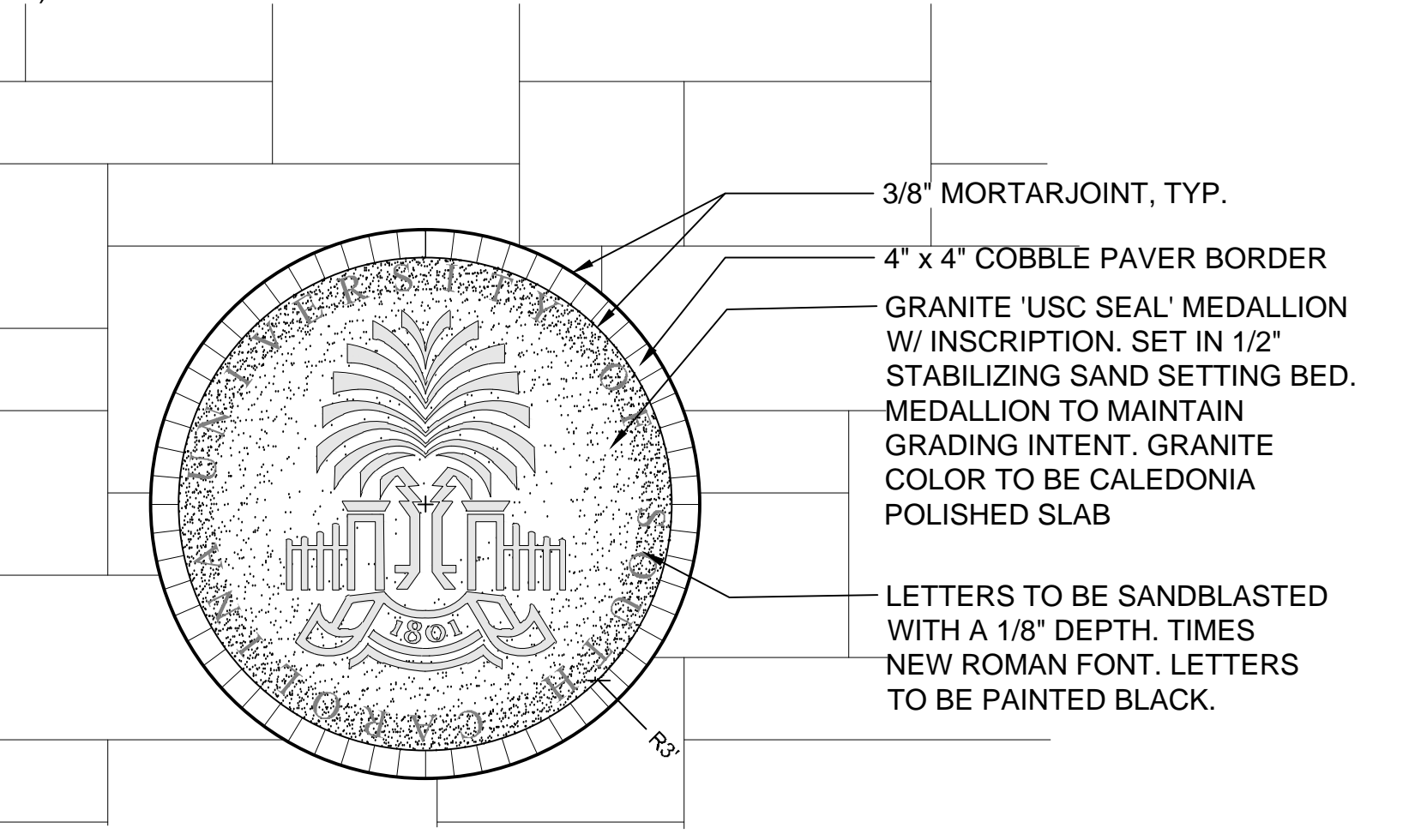
Amerlux reserves the right to change details that do not affect overall function and performance.

amerlux

## 7 LIGHT POST DETAIL

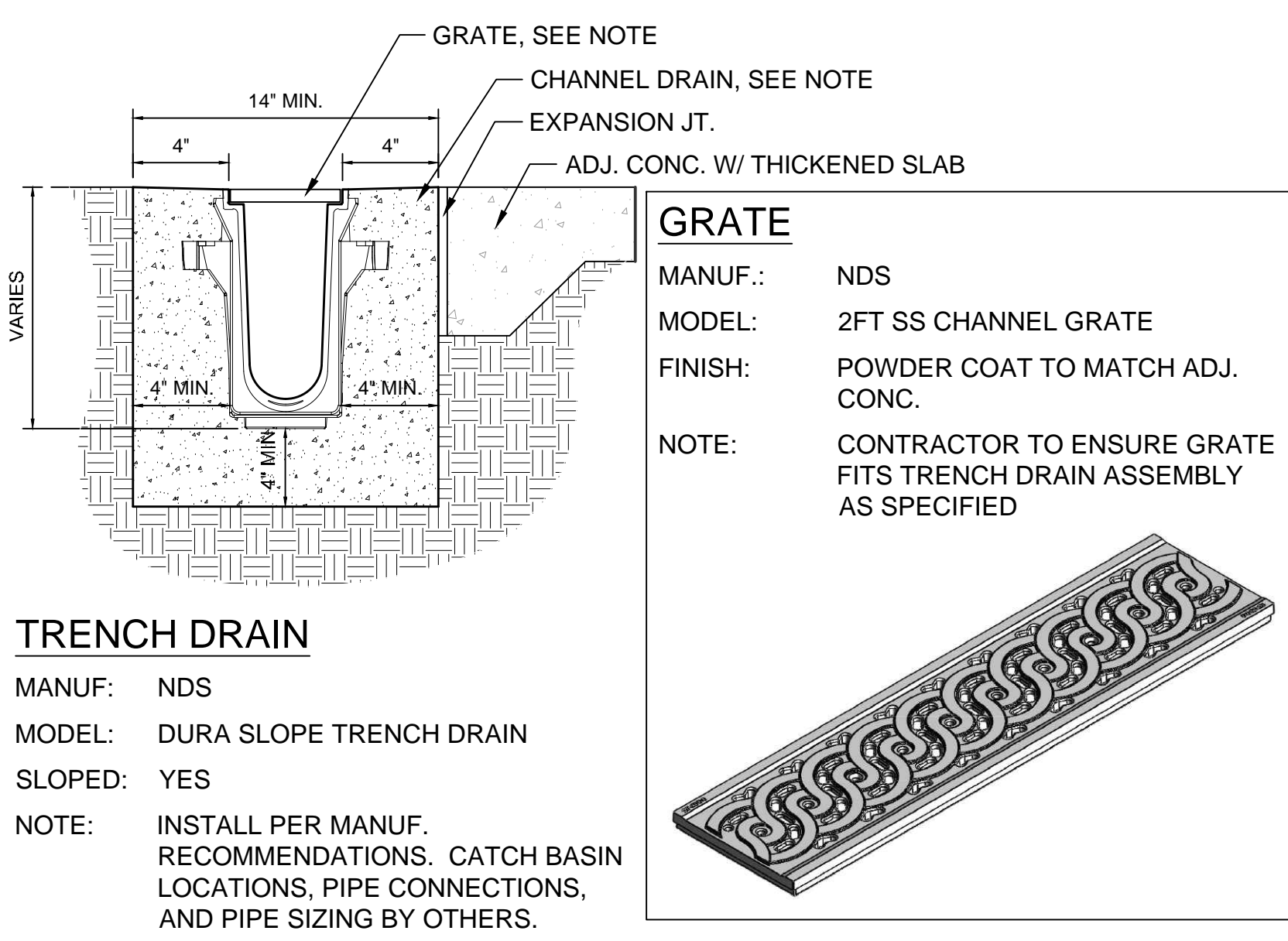
SCALE: 1" = 1"

- NOTES:  
1.) GRANITE COLOR TO BE CALEDONIA POLISHED SLAB PROVIDE SAMPLE FOR APPROVAL.  
2.) ALL LETTERS TO BE PAINTED BLACK WITH LITHCO PAINT.  
3.) CONTRACTOR TO FIELD MEASURE AREAS FOR GRANITE BANDS BEFORE ORDERING  
4.) ALL GRANITE TO HAVE THERMAL FINISH



## 8 DETAIL: USC MEDALLION

SCALE: 1/2" = 1'-0"



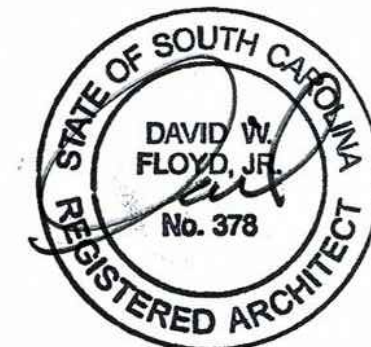
## 9 SECTION: SLOPPED TRENCH DRAIN

SCALE: 1 1/2" = 1'-0"

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SHEET STATUS

MARK DATE BY RELEASE

A 03/03/2016 MDS BID DOCUMENTS

SHEET TITLE:

HARDSCAPE  
DETAILS

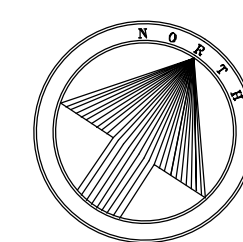
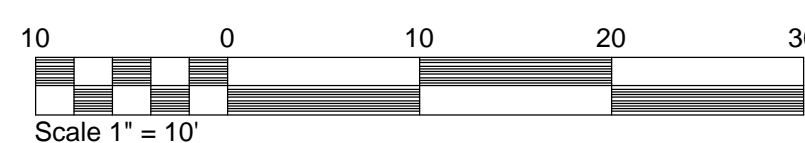
PROJECT NUMBER:  
14017

H2.02

DATE: 02.02.2016

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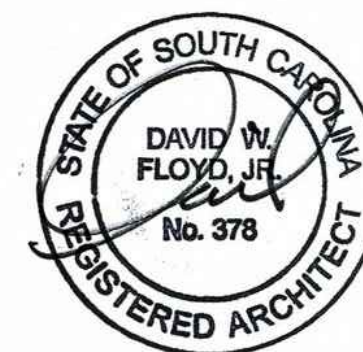


1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS, GIVING NOTICES, AND PAYING FEES. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING CODES AND ORDINANCES RELATING TO THIS CONSTRUCTION PROJECT.
2. IN EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
3. WHERE PLAN DETAILS DIFFER FROM CITY STANDARDS, THE LATTER SHALL BE SUBSTITUTED APPROVED IN WRITING BY LANDSCAPE ARCHITECT.
4. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
5. NO SUBSTITUTIONS OF ANY MATERIALS OR PRODUCTS SHALL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
6. CONTRACTOR TO LAY OUT ALL PROPOSED WALK, WALLS, FENCING, RAILING, HANDRAILS, LIGHTING, SITE FURNISHINGS, PAVERS, STEPS, LANDSCAPE, TRELLIS, AND IRRIGATION AND RECEIVE OWNER AND LANDSCAPE ARCHITECTS APPROVAL PRIOR TO CONSTRUCTION.
7. ALL SURFACES TO BE POWER-WASH CLEANED AT SUBSTANTIAL AND FINAL COMPLETION

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LANDSCAPE ARCHITECTURE+LAND PLANNING  
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SHEET TITLE:

LAYOUT  
PLAN

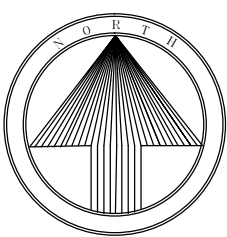
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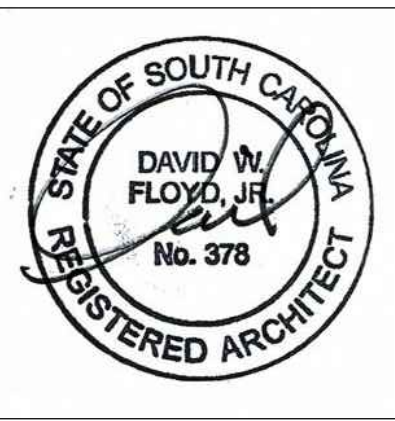
GRASSES	QTY	BOTANICAL NAME / COMMON NAME	UNIT	MIN. SIZE	SPACING		REMARKS
JB	69	<i>Juncus effusus</i> 'Blue Arrows' / Juncus	1 gal.				Full Coverage, Disease Free
LM	1,654	<i>Liriope muscari</i> 'Big Blue' / Big Blue Lily Turf	1 gal	6" min.	12" o.c.		Full Coverage, Disease Free
MS	110	<i>Miscanthus sinensis</i> 'Adagio' / Adagio Eulalia Grass	1 gal.	18" min.			Full Coverage, Disease Free

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SHEET TITLE:

LANDSCAPE  
PLAN

PROJECT NUMBER:

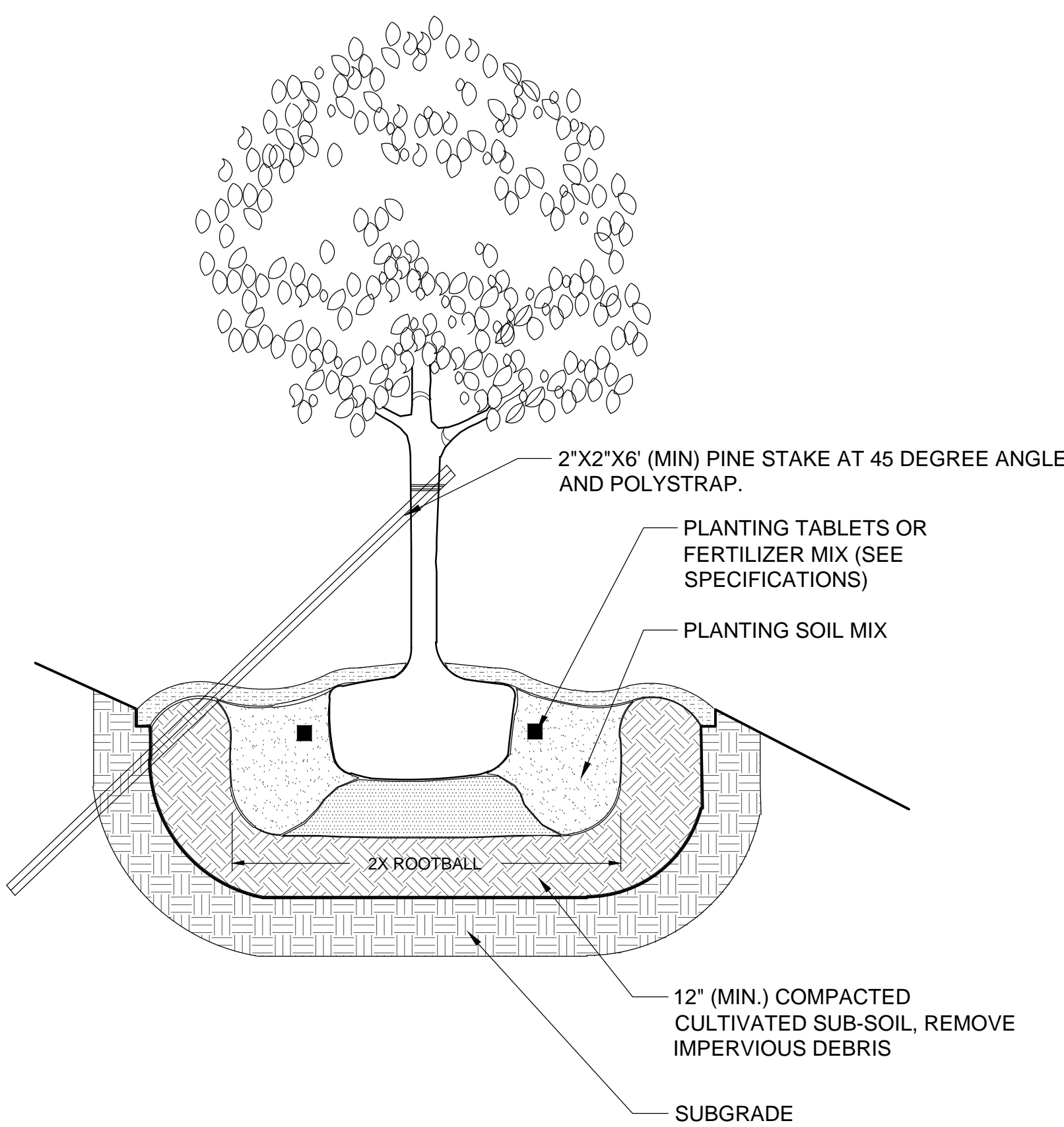
14017

# L1.01

DATE: 02.02.2016

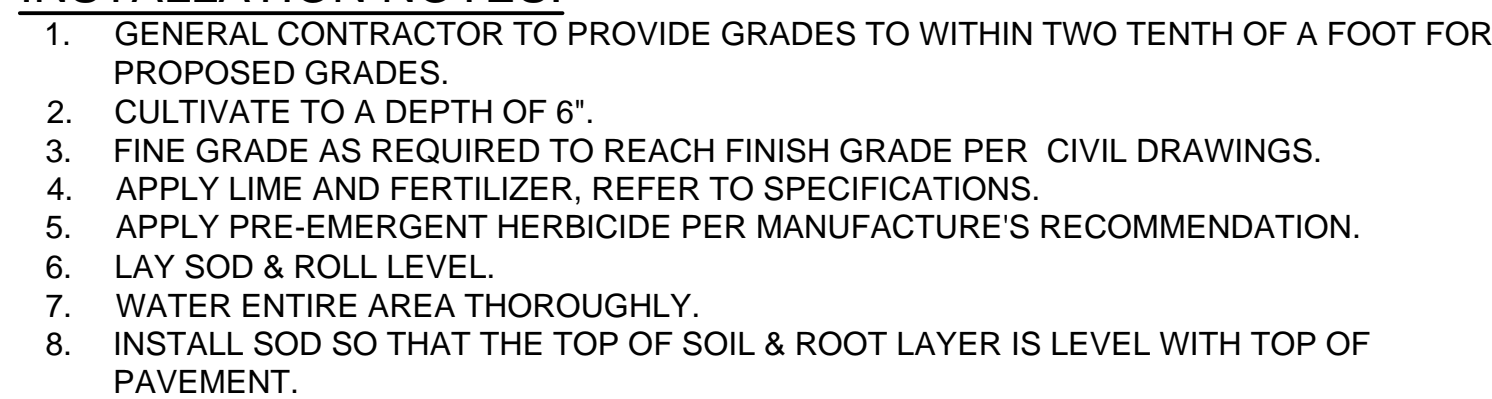
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1. EXCAVATE TREE PIT TO A DEPTH EQUAL TO DEPTH OF ROOTBALL PLUS 24", AND A WIDTH EQUAL TO TWO (2) TIMES THE DIAMETER OF THE ROOTBALL.
2. FILL TREE PIT WITH WATER AND CONFIRM PERCOLATION RATE. (NOTIFY LANDSCAPE ARCHITECT IF POOR DRAINAGE CONDITIONS EXIST.)
3. INSTALL TREE PER DETAIL AVOIDING DAMAGE TO ROOTBALL OR TREE TRUNK.
4. ADD SPECIFIED FERTILIZER TABLETS & MYCORRHIZAL TRANSPLANT INOCULANT.
5. REMOVE BURLAP ON TOP 1/3 OF TREE ROOTBALL. REMOVE BURLAP ON TOP 1/3 OF TREE ROOTBALL.
6. IMMEDIATELY SOAK TREE PIT WITH WATER AND REMOVE ANY AIR POCKETS THAT MAY HAVE OCCURRED DURING BACKFILLING.

## SCALE: NTS



SCALE: NTS

- Send soil samples to:  
Mr. Lynn Griffith  
A&L Southern Agricultural Laboratories  
1199 West Newport Center Drive  
Deerfield Beach, Florida 33442

\*Send test results to landscape architect.

SCALE: NTS



## SCALE: NTS

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SHEET TITLE:

## LANDSCAPE DETAILS

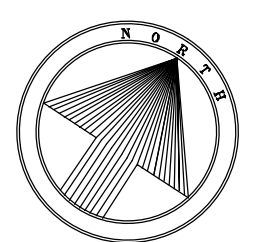
PROJECT NUMBER:  
14017

## L2.01

DATE: 02.02.2016

NOT ISSUED FOR CONSTRUCTION

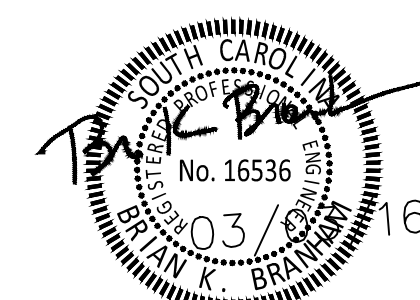












ARCHITECT/ENGINEER SEAL

SITE  
solutions

**LANDSCAPE ARCHITECTURE  
SITE PLANNING**

3715 Northside Parkway  
300 Northcreek, Suite 720  
Atlanta, Georgia 30327

Telephone: 404-705-9411  
Facsimile: 404-705-9491

[illegible]

☒ APPROVED FOR CONSTRUCTION  
☐ NOT APPROVED FOR CONSTRUCTION

PROJECT NUMBER: 16018.00  
DATE: MARCH 3, 2016

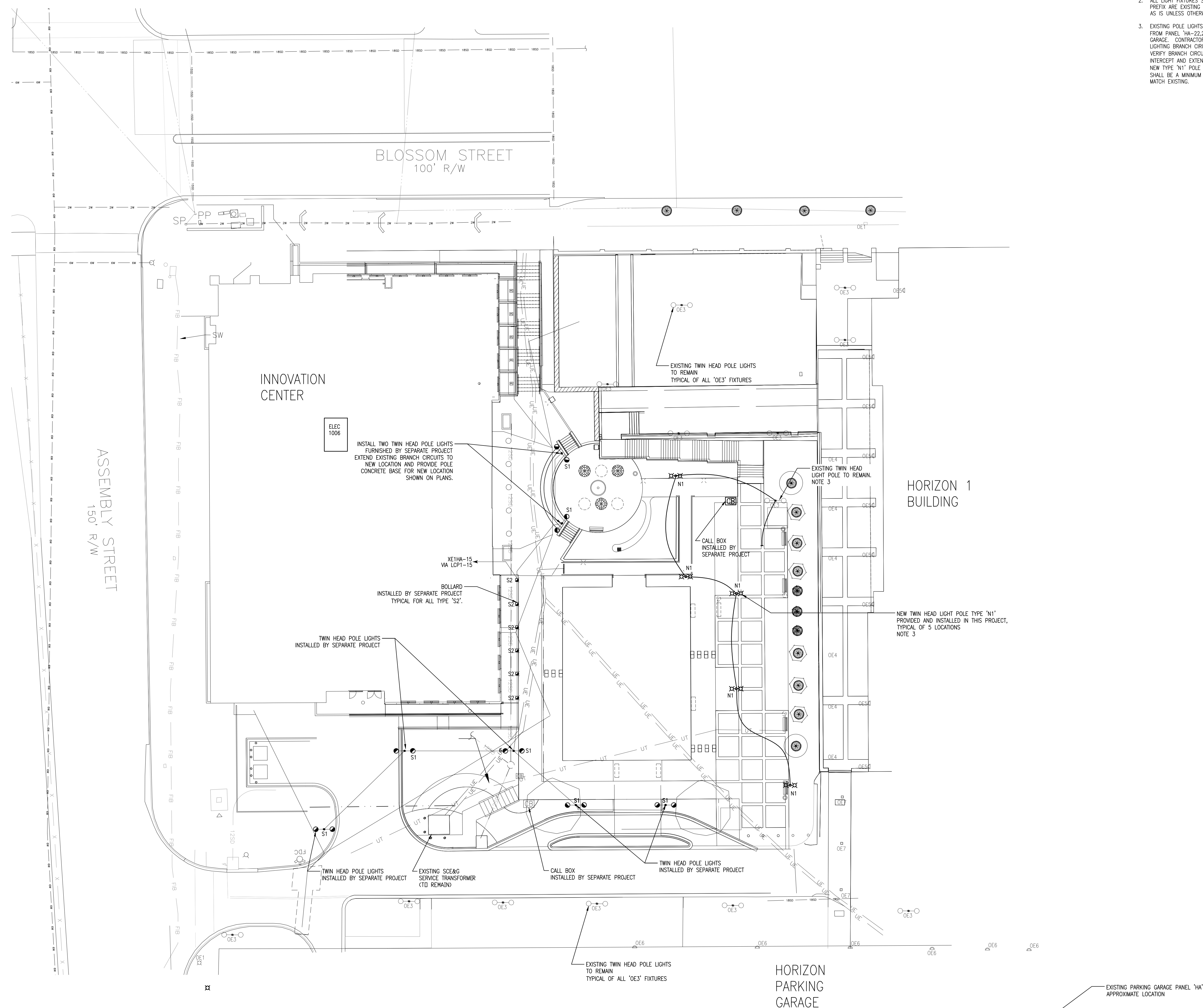
UNIVERSITY OF SOUTH  
CAROLINA

INNOVATION CENTER  
PARK  
550 ASSEMBLY STREET,  
COLUMBIA, SC 29201

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ELECTRICAL SITE PLAN

## E0.02



1 ELECTRICAL SITE PLAN  
SCALE: 1" = 20'-0"

