

**Project Name USC Aiken Pedestrian Bridge Landscaping**  
**Project Number: H29-9548**  
**University of South Carolina**

**Addendum Number One**

Date: February 16, 2018

From: Troy Green, Project Manager

To: All Bidders

The following items add to, modify, clarify, or otherwise alter the Drawings and/or specifications and will become a part of the Contract Documents. Where a portion of the Drawings and/or specifications is added to, modified, clarified, or otherwise altered, the portion so affected shall remain. Bidder shall include all effects that these items may have on his proposal.

Acknowledgement receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject a Bidder to disqualification.

**GENERAL CLARIFICATIONS/UPDATES:**

1. The non-mandatory pre-bid conference was held on Thursday, February 8, 2018 at 10AM at the Maintenance Building at 470 University Parkway in Aiken.
2. The deadline for questions is Thursday, February 22, 2018 by the end of business day. All questions must be submitted electronically to Troy Green at [green@fmc.sc.edu](mailto:green@fmc.sc.edu).
3. The last addendum will be issued no later than Tuesday, February 27, 2018 by 3PM. All bidders must check the purchasing website for all project information.
4. The revised closing for this project is Thursday, March 8, 2018 at 3:00PM at 1300 Pickens Street Conference Rm 100C in Columbia. All bids are to be either hand-delivered or mailed prior to the closing time.

5. Revised plans and landscaping notes are attached.

**Attachment: Pre Bid Sign In Sheet**  
**Revised Drawings**  
**Revised Landscaping Notes**

**End of Addendum One**

# LANDSCAPING NOTES

## OVERVIEW

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The general idea behind this landscape design was to provide a unique, low maintenance, one of a kind vista while using mostly South Carolina native plant varieties. South Carolina is unique in the fact that we have so many different native varieties of plants that range from costal, salt tolerant plants to mountainous, cold hardy species, all within only a few hundred miles from each other. The change in elevation of the site allowed for specific design that would not normally be possible in the Aiken area. Below, is a brief outline provided for you to get a better understanding as to the idea of this plan.

### Costal Carolinas-

Starting at the base of the ramp and stairways, you begin your journey in the coastal regions of South Carolina. Here is where you will find native costal varieties scattered about in a sandy area, with palms, a sand dune covered in sea oats, surrounded by other grasses, yuccas and even a prickly-pear cactus.

### Sandhills-

As you continue your journey inward from the coast you begin to see some local varieties you might find on other areas of campus, in Aiken, or even growing in a ditch along the highway. But you would find it very difficult to find some of these varieties, as some are seldom used in landscape design.

### Piedmont-

Leaving the relatively flat Sandhills region, as you begin your climb to the uppermost region of South Carolina you start to see river rocks, plant varieties normally located along the abundant streams as they make their decent eventually exiting in the coastal waters of South Carolina. This is where you will find the Rocky Shoals Spider Lily. This is a plant about witch the famed naturalist-explorer William Bartram made the first recorded observation in 1773. Where he found it growing in the Savannah River at the "cataracts of Augusta."

### Blue Ridge-

After seeing some of the rarest-of -the-rare plant varieties South Carolina has to offer in the Piedmonts, you now find yourself at the base and the start of the Blue Ridge Mountain range. The granite outcropping of rock lets you know you have arrived. With the presence of evergreen conifers, conveniently placed blueberries bushes for visitors to enjoy their fruits, and Kalmia, this area will leave a lasting impression before you make your way across the "sure to be a future iconic symbol of the University" pedestrian bridge. The need for this bridge, and its existence has made this truly "one of kind" landscape design that I am most proud of. But we are not done yet! There is still more to see on the other side.

### Campus Side-

This site could be where you start your journey or in our case where our journey through my design comes to an end...for the time being. From here, you're either a student making your way back towards the dormitories or possibly like us, just visitors eager to see what awaits us on the other side. There will be a future sitting area here, so I felt it was important to make this area inviting, providing a little privacy and an area of escape away from the busier areas of campus.

## DETAILS AND SPECIFICS

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### Plants-

Many plant varieties that have been selected are very rare, some even endangered, and may not be easily found, or even locally.

It is understood that the lack of availability of certain varieties may necessitate the need to be replaced with a similar variety or possibly left out until the preferred variety becomes available. It would then be up to the USCA to make its plans for future acquisition and installation of these varieties deemed unavailable along and a change order will be processed.

If specified size of plant cannot be located, contractor may substitute plant with 1-unit smaller size plant.

### Staking-

Trees or larger varieties are to be staked as needed. (i.e. Palms)

Mass Plantings- \*includes all areas where severe slopes are present \*\*The need for "Mass Planting" may not be specified on design, all areas with significant slope are to be assumed as mass planting sites

These areas are to be filled with the necessary amount of plants needed, at full growth potential, to cover all sloped areas, providing the ability for the eventual eradication of existing grasses planted during construction phase for erosion control purposes. Numbers of plants given in the Legend portion of the design are not complete nor accurate in reference to mass planting. During the design phase of this plan, it was difficult to facilitate an exact amount of plants that would be needed. It is the bidding contractor's responsibility to include in their bid enough funds for the correct amount of plants needed to achieve desired effect. A site visit would be necessary in order for the contractor to understand the severity of some of the slopes and how many plants would be required to give desired effect. (desired effect or covering the slopes with enough plants to prevent erosion)

### Beds-

Enclosed beds containing light fixtures are to receive specified rock as a form of mulching. Each bed will be identified as to what variety of plant that will trellis the adjacent fixture. Landscaping fabric may or may not be used depending on slope where it would be best to embed the rock. Depth would be thick enough not to see exposed fabric or soil.

Clematis-squirrel river rock 1"-3"

Honeysuckle- Tennessee river rock 4"-8"

Trumpet Vine- granite rock 2"-5"

Climbing Hydrangea-granite rip rap 6"-12"

All other areas "excluding the sandy area, and campus side" will remain as existing grass until other warm season grass varieties begin to germinate. Once warm season erosion control seeded varieties begin to emerge, these areas will need to be sprayed with appropriate herbicides to remove this now unwanted vegetation. A bed line transition from existing grass to mulched areas would encompass all vegetation planted. Areas where mulch or sand will not hold slope would be left as existing grass. It is the bidding contractor's responsibility to measure areas appropriate for mulch cover and specify how many yards of mulch would be used. Recommendations as to where mulching is needed, and what form would be best suited is welcomed. Appointed **USCA official** must approve areas that will or will not receive ground cover material prior to the finishing of the project.

Campus side beds are to be mulched with dyed brown mulch. Convocation side (steps and ramp) can be double ground hardwood mulch free of any larger pieces than a few inches.

### Sand Dune-

Construction of sand dune would consist of mounding and packing of brown fill dirt to get desired shape, followed by the topping of sand consistent with other sand used as ground cover at a depth that in the event of heavy rainfall, that the brown fill does not become visible, or contaminate the white sand look. Approximate size would be 30'x20'.

## **IRRIGATION**

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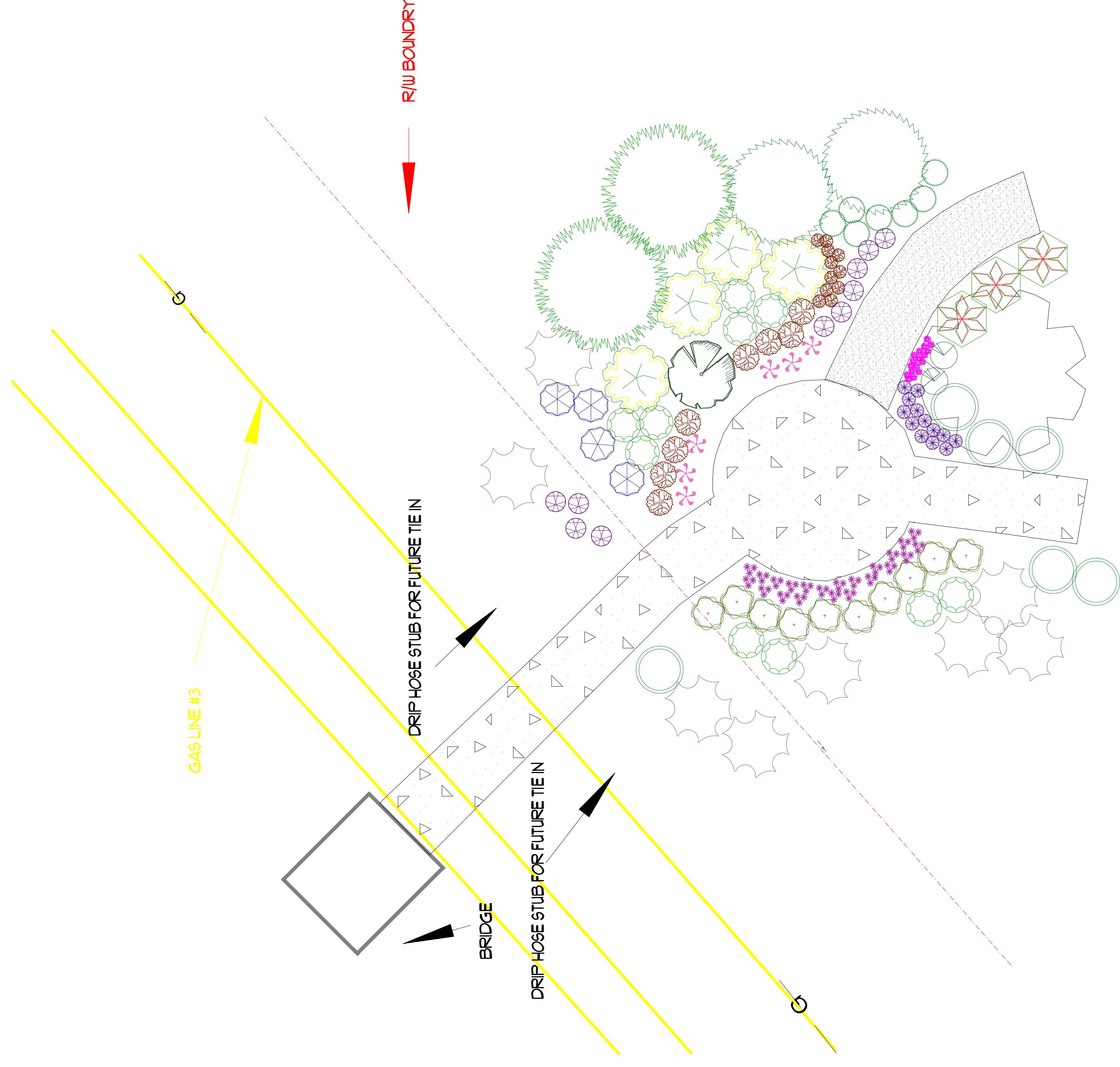
Due to the severe slopes, drip irrigation is to be used to supply appropriate amounts of water to the base of each individual plant. The wetland would need its own form of drip in its base to insure

adequate moisture can be provided in its base during drier periods. Larger varieties may require a water bag until established.

It is up to each bidding contractor to come up with a detailed irrigation plan to be submitted along with their bid sheet. Battery powered valves are acceptable.

# LEGEND

COMMON NAME	QTY	SIZE
FLOWER, PERENNIAL		
CONEFLOWER, PURPLE	13	1 GAL.
DAYLILY, 'HAPPY RETURNS'	22	1 GAL.
FALL PHLOX	17	2.5QT
HIBISCUS, BIG RED	2	1 GAL.
SHRUB, DECIDUOUS		
ABELIA, GLOSSY	6	1 GAL.
AZALEA, BLOOM-A-THON	8	3 GAL.
BARBERRY, CONCORD RED	11	1 GAL.
BORDER FORSYTHIA	4	7 GAL.
BUTTERFLY BUSH, MISS MOLLY	4	1 GAL.
LANTANA, MIXED 2	10	1 GAL.
SUMMERSWEET, SWEET PEPPERBUSH	4	1 GAL.
SWEETSPIRE, VIRGINIA	3	3 GAL.
SHRUB, EVERGREEN BROADLEAF		
DAPHNE, FRAGRANT OR WINTER	6	3 GAL.
HOLLY, YAUFON, DWARF	7	1 GAL.
LOREPETALUM, PURPLE PIXIE DWARF	10	1 GAL.
OLEANDER, PINK	8	3 GAL.
OSMANTHUS HETEROPHYLLUS GOSHIKI	6	3 GAL.
TREE, DECIDUOUS		
APPLE SERVICEBERRY	1	2" CAL
JAPANESE MAPLE BLOODGOOD	1	2" CAL
TREE, EVERGREEN		
HOLLY, AMERICAN	2	3-4' TALL
WAXED MYRTLE	2	3-4' TALL



COMING FROM EXISTING IRRIGATION 1" LINE  
THAT HAS ONE ZONE FROM EXISTING  
CONTROLLER THAT CAN BE TIED INTO  
AND RAN TO AREA WHERE DRIP LINE WOULD  
SPLIT INTO SEPERATE ZONES AS NEEDED

Revision #: 8

Date: 2/9/2018

Scale:

1" = 10'

Landscape Plan:

USCA Bridge Phase 2 Pre-Bid

Landscape Design by: Jeffrey Gattis

USCA

COMMON NAME	QTY	SIZE
FLOWER GRASS	6	1 GAL
GRASS, CORD	24	1 GAL
GRASS, MILK PINK	11	1 GAL
MILKWEED, RUSH	28	1 GAL
CATS, SEA		
FLOWER PERENNIAL	23	1 GAL
JANFER BLUE RIG	7	3.5" POT
BLACK EYED SUSAN	8	1 GAL
BLEEDING HEART	3	1 GAL
BLUE STAR, NARROU LEAF	13	1 GAL
BLUEBELLS, VIRGINIA	3	1 GAL
CANNALILY	8	1 GAL
COLLEMBINE, WHITE	8	1 GAL
CONEFLOWER, PURPLE	8	1 GAL
COREOPSIS, YELLOW RISING SUN	16	1 GAL
COTTON LAVENDER	9	1 GAL
GRASS, SWEET	13	3.5"
CE PLANT	12	1 GAL
INDIGO BLUE FALSE	5	3.5"
RIG, PURPLE	190	BULBS
LAIIRIS	20	3.5"
LT, ROCKET SHOALS SPIDER	32	3.5"
LUPINE, RUSSELL HYBRID	11	3.5"
PHLOX, CREEPING	15	3.5"
PINK, CHEDDAR PINK		
ST. JOHNSWORT		
FLOWER VINE	1	1 GAL
CLEMATIS	2	1 GAL
HYDRANGEA CLIMBING	4	1 GAL
JASMINE, YELLOW	6	1 GAL
VINE, CORAL	1	1 GAL
VINE, TRUMPET		
SHRUB, CACTI	1	1 GAL
FRICKLY FEAR	3	1 GAL
TUCCA, SPANISH BATONET		
SHRUB, DECIDUOUS	4	1 GAL
BEAUTYBERRY	3	1 GAL
BLUEBERRY	7	1 GAL
CHOKEBERRY	5	1 GAL
LANTANA MIXED 2	5	1 GAL
LEUCOTHOE, DROOPING	5	1 GAL
SWEETSPIRE, VIRGINIA		
SHRUB, EVERGREEN BROADLEAF	6	1 GAL
FLUMBAGO, BLUE	1	1 GAL
RHOXODENDRON, AMERICA	8	3" TALL
WILLOWLEAF COTONEASTER, WEEPING	3	2" TALL
TUCCA, SPANISH BATONET		
TREE, DECIDUOUS	1	3" TALL
APPLE SERVICEBERRY		
TREE, EVERGREEN	2	4" TALL
CYPRESS, ARIZONA, BLUE PYRAMID	1	4" TALL
CYPRESS, ARIZONA	2	10" TALL
PALM, CARABAGE	3	2" TALL
DWARF PALMETTO		

**LEGEND**

POWER SUPPLY

ROCK OUTCROPPING

SAND

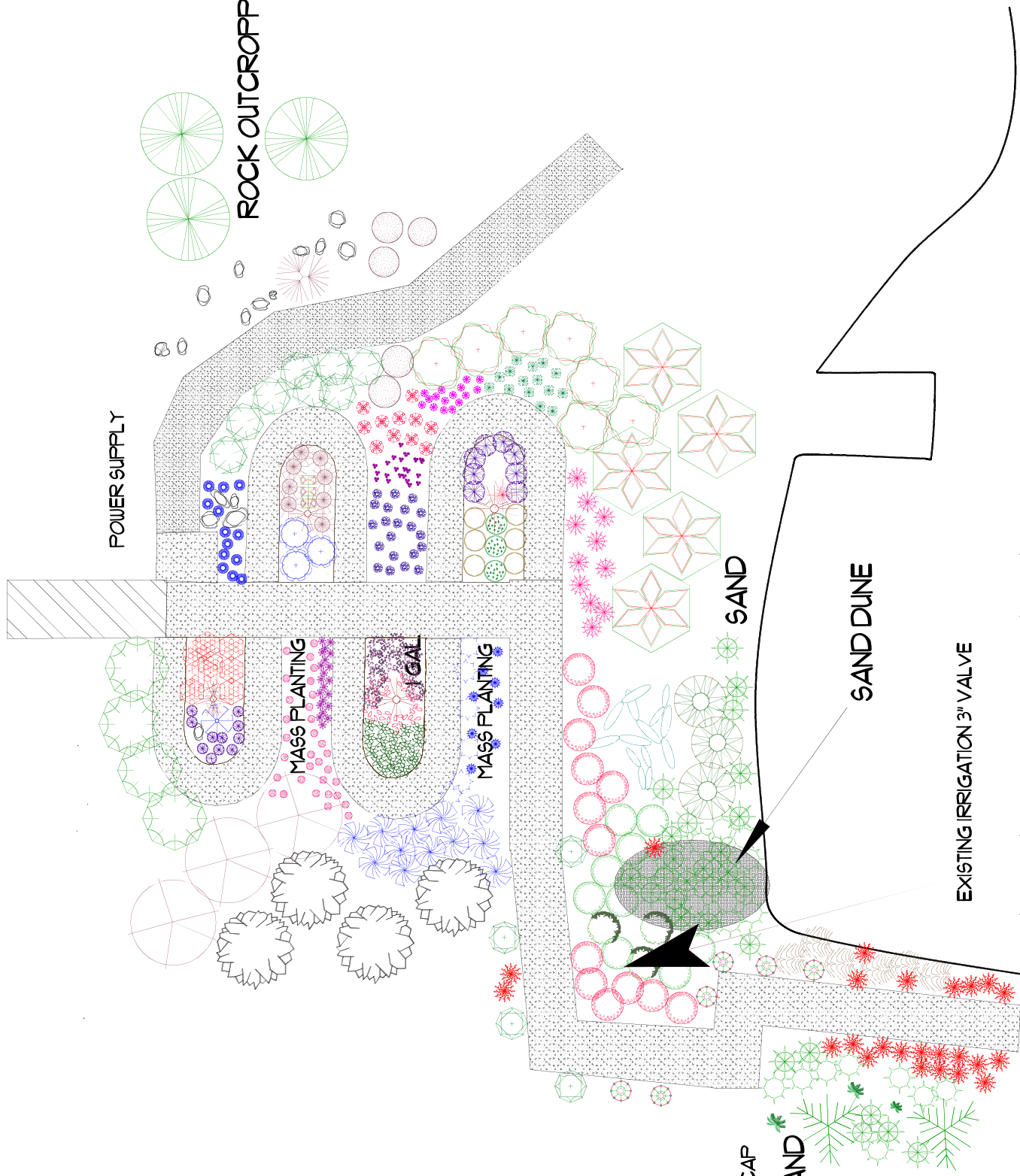
SAND DUNE

EXISTING IRRIGATION 3" LINE END CAP

EXISTING IRRIGATION 3" VALVE

PLANTS ARE ENLARGED TO SHOW DETAIL AND ARE NOT TO SCALE

SAND





**University of South Carolina  
Non Mandatory Pre Bid Sign In Sheet**  
Aiken, SC

Project Name: USC Aiken Pedestrian Bridge Landscaping-Minor Construction  
 Project Number: H29-9548  
 Pre Bid Date & Time: February 8, 2018 10AM Maint Bldg 471 University Parkway

SWMBE Contractor Indicate Classification Below	Name	Company Name	Address	Phone #	Email
S W M B E	CURTIS HOLMES	SITEC LLC	522 RAILROAD AVE. NORRIS AVE ESTD, N. 258-11	703 840 3980	DAVID.SITEC@CONCAST.NET
S W M B E	Carl Pellington	First Class Const.	126 Suber Rd, Ste B Columbia, SC 29210	803-626-6889 803-926-1912	c-pellington@fccon.com
S W M B E	Marty English	Weed Wackers LAWN CARE LANDSCAPE	321 Johnson Pond Bishopville 29008	803-428 6689	WeedWackers911@aol.com
S W M B E	Robert Brooks	BROOKGREEN, LLC	221 Vista Springs Ct Lexington, SC 29072	803-513-8765	rbrooks@Brookgreen.com
S W M B E	Andrea McKibbin Michael Tarrant	Native Landscaping LLC	4 Minikaha Ct Aiken, SC 29803	803-507-8790	INFO@NATIVELANDSCAPINGSC.COM
S W M B E	TRAVIS YOUNG	YOUNG'S LANDSCAPE SERVICES	2638 MILLS DR. Columbia, S.C. 29204	803-318-8080	TRAVIS_YO@USOUTH.NET
S W M B E	Tyheine Bennett	Earth Care Service	4104 Springshill Rd Dumbarton SC 29108	803-672-1030	tyheine@yahoo.com
S W M B E	Brian E-stre	USC AIKEN		803-641 3254	brinen@usca.edu
S W M B E	Jeff Gattis	USC AIKEN		803 611 3258	jeffg@usca.edu

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\*\*\*\*By signing this sheet you agree to receive information electronically.