



UNIVERSITY OF
SOUTH CAROLINA



Vicinity Map

McKissick Plaza Improvements

Project # H27-Z327

June 1, 2017

USC Facilities Design & Construction

743 Greene Street

Columbia, SC 29208

- L-1 Site Plan
- L-2 Grading Plan
- L-3 Details
- L-4 Alt. #1: Irrigation Plan

SEAL:

CHECKED BY: EFJ

DATE: JUN 17

DRAWN BY: EFJ

DATE: JUN 17

DRAWING: ###

DESCRIPTION:

BUILDING: ###

REV: ###

PROJECT TITLE: SITE PLAN

MCKISSICK PLAZA IMPROVEMENTS

SHEET: L-1

1 OF 4

SHEET IN SET:

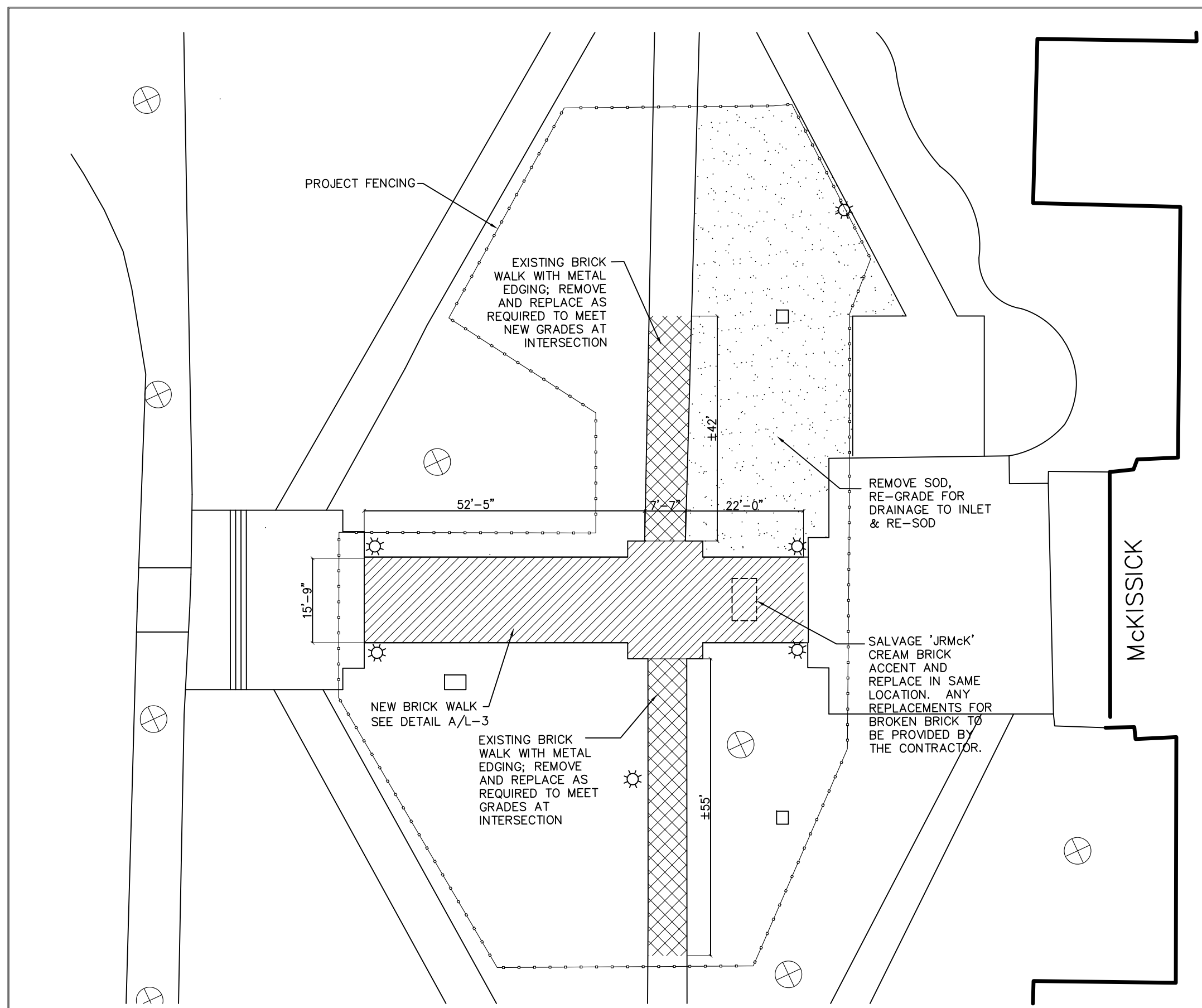
OF

NOTES:

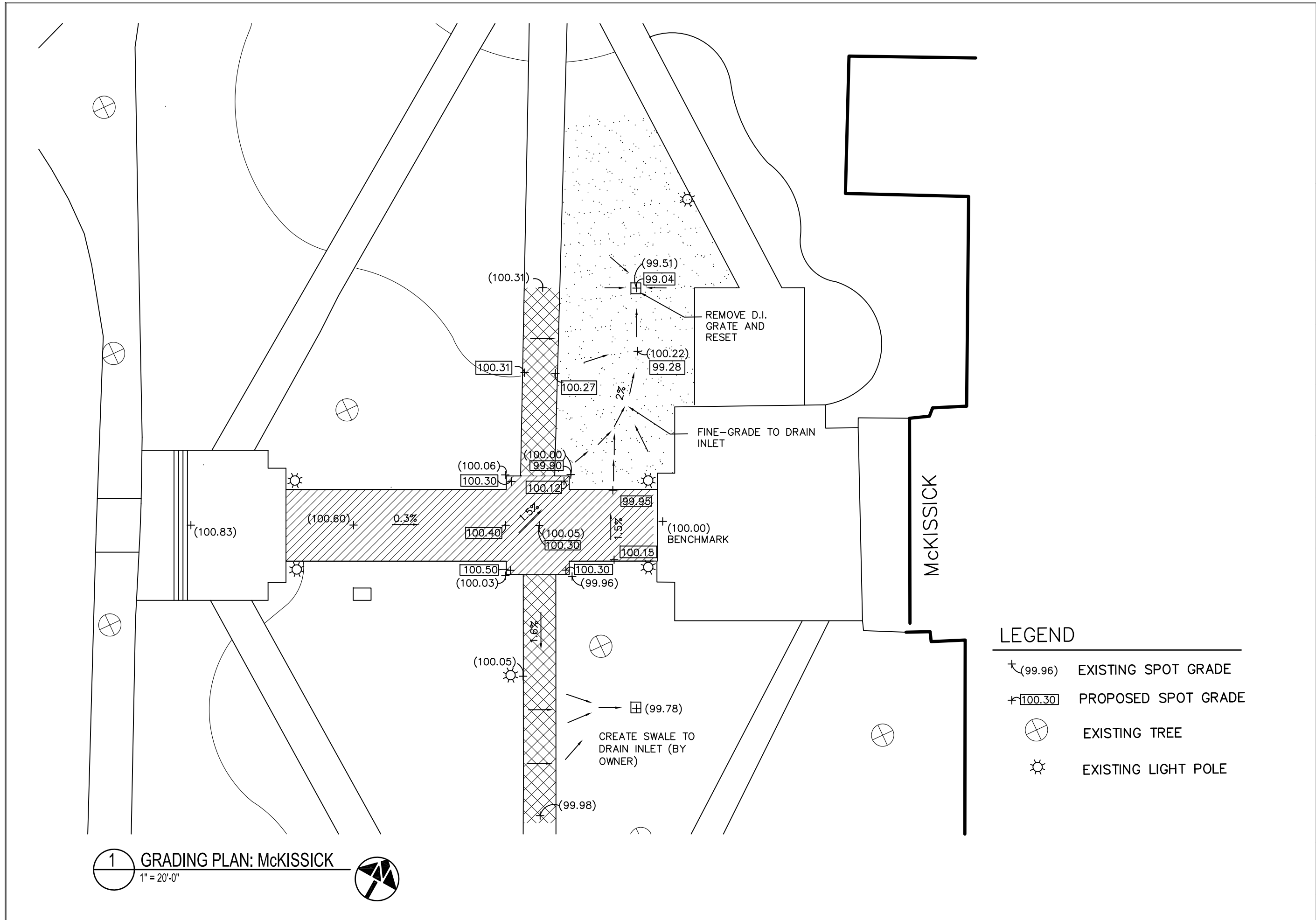
1. PROVIDE INLET PROTECTION AND SILT FENCING TO CONTROL SEDIMENT AND EROSION. REFER TO PROJECT MANUAL FOR DETAILS.
2. PROVIDE PROJECT AREA FENCING AT PERIMTER OR WORK AREA. FENCING TO BE 6' CHAIN LINK WITH SCREENING. SEE PROJECT MANUAL FOR DETAILS.
3. PROVIDE TREE PROTECTION FENCING AS DIRECTED BY USC ARBORIST.
4. PRIOR TO ANY EXCAVATION, CONSULT WITH USC ARBORIST TO IDENTIFY POTENTIAL ROOT CONFLICTS. DO NOT DISTURB TREE ROOTS.

SOD:

5. PREP AREAS FOR TURF WITH LIGHT TILLING TO A 6" DEPTH; ADD TOPSOIL OR COMPOST WHERE GRADE IS IRREGULAR OR DEPRESSED.
6. DO NOT TILL WITHIN TREE ROOT ZONES.
7. VERIFY IRRIGATION COVERAGE AND OPERATION PRIOR TO SCHEDULING SOD INSTALLATION.
8. SOD TO BE 'TIFWAY 419' BERMUDA.
9. REMOVE ANY NETTING ON SOD PRIOR TO INSTALLATION.
10. ROLL ALL SOD AREAS; TOP-DRESS ANY GAPS WITH SAND.
11. AREAS REQUIRING NEW SOD DUE TO GRADING ARE INDICATED WITH HATCHING ON THE PLAN. THE CONTRACTOR SHALL REPLACE ALL INCIDENTAL DAMAGED SOD AS PART OF THE PROJECT.



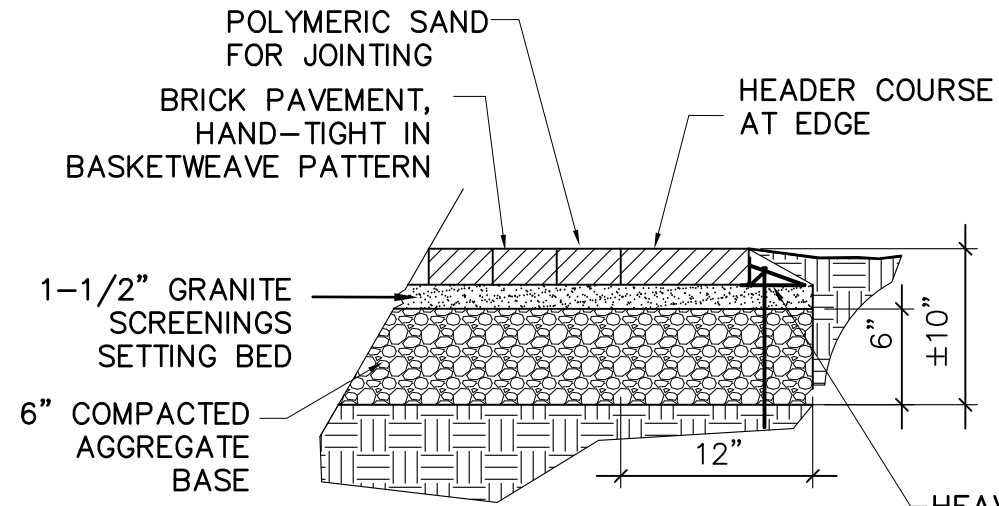
1 SITE PLAN: MCKISSICK
1" = 20'-0"

1 GRADING PLAN: McKISSICK
 1" = 20'-0"

- LEGEND**
- ⊕(99.96) EXISTING SPOT GRADE
 - ⊕[100.30] PROPOSED SPOT GRADE
 - ⊗ EXISTING TREE
 - ☀ EXISTING LIGHT POLE

PROJECT TITLE: GRADING PLAN MCKISSICK PLAZA IMPROVEMENTS		BUILDING: ###		DATE: JUN 17		DRAWN BY: EFJ		CHECKED BY: EFJ		SEAL:	
SHEET: L-2		REV:		DESCRIPTION:		DATE:		ORIG. BY:		COLUMBIA, SC 29208	
SHEET IN SET: 2 OF 4										UNIVERSITY OF SOUTH CAROLINA	
OF											



- NOTES:
1. McKISSICK AREA: CONTRACTOR TO PROVIDE NEW BRICK AS INDICATED ON PLAN.
 2. BRICK TO BE LAID IN BASKETWEAVE PATTERN.
 3. PROVIDE COLOR SAMPLE OF SAND FOR APPROVAL.
 4. PROTECT BRICK FROM MOISTURE DURING APPLICATION OF JOINT SAND TO AVOID STAINING.

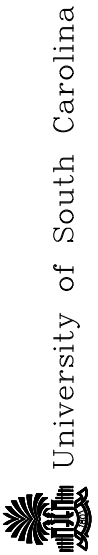
HEAVY-DUTY METAL EDGING
 $\frac{3}{16}$ X 1-5/8";
 10" METAL SPIKE @ 8" O.C.

A
L-3
 BRICK PAVING WITH METAL EDGE
 SCALE: 1" = 1'-0"

CAMPUS PLANNING
 AND CONSTRUCTION
 COLUMBIA, SC 29208

BUILDING:	DRAWING:	DATE:	DRAWN BY:	CHECKED BY:	SEAL:
	###	1 JUNE 17	EFJ	EFJ	
REV.	DESCRIPTION	DATE	ORIG.	BY	DATE

PROJECT TITLE: BRICK DETAILS
 MCKISSICK PLAZA IMPROVEMENTS

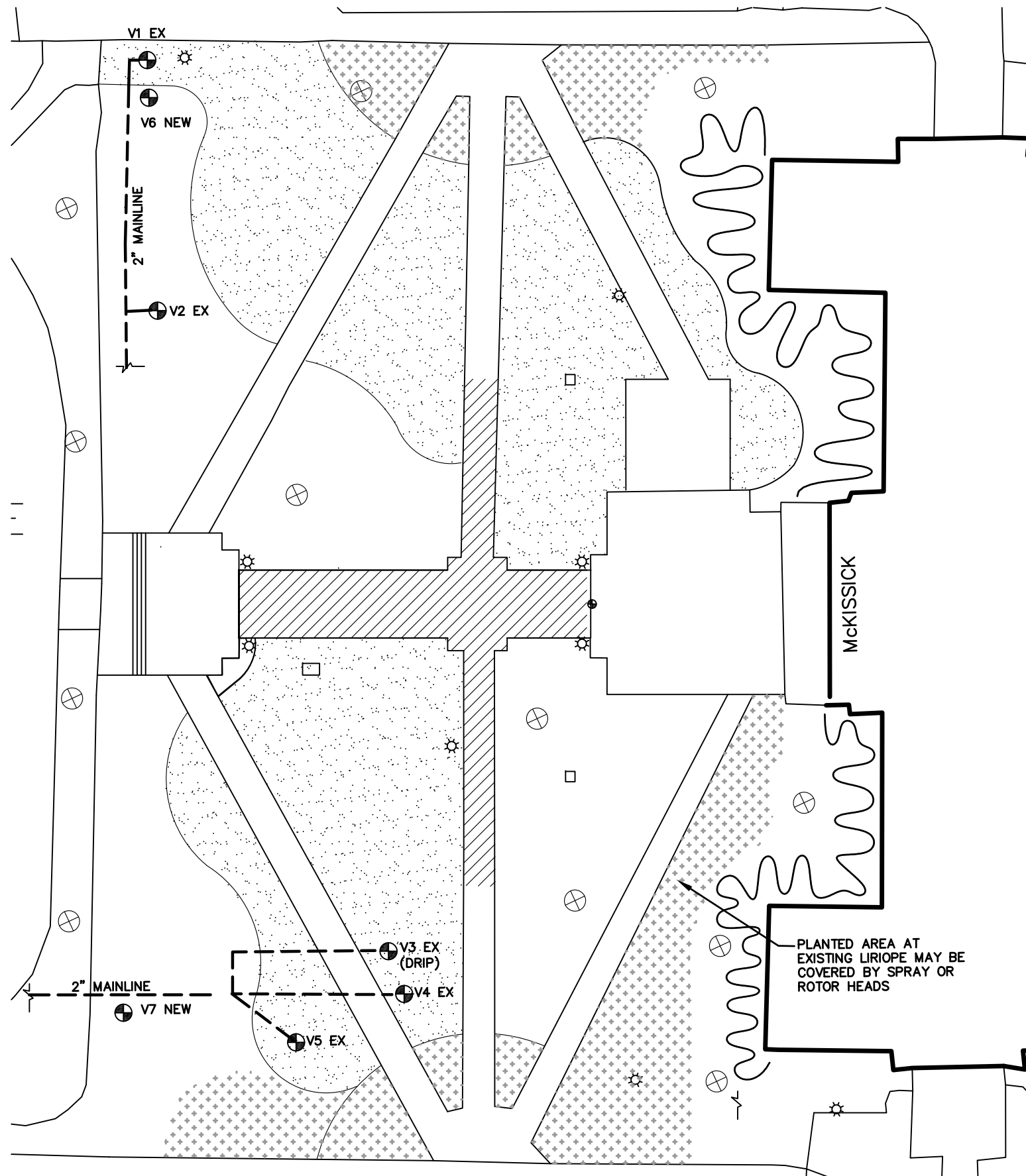


L-3

3 OF 4

SHEET IN SET:

OF



- NOTES:
- IRRIGATION IMPROVEMENTS ARE TO BE BID AS ALTERNATE #1.
 - EXISTING IRRIGATION SYSTEM CONSISTS OF FIVE ROTOR ZONES AND ONE DRIP ZONE AT THE MCKISSICK BUILDING FOUNDATION. A 2" MAINLINE EXTENDS TO THE PROJECT AREA ON THE NORTH AND SOUTH SIDES AS SHOWN.
 - CONTRACTOR SHALL DESIGN AND INSTALL MODIFICATIONS TO THE SYSTEM TO PROVIDE MORE PRECISE COVERAGE FOR TURF AND PLANTING BEDS. FIVE EXISTING ROTOR ZONES SHALL BE RECONFIGURED AS REQUIRED; TWO NEW ZONES SHALL BE ADDED. THE EXISTING DRIP ZONE IS TO REMAIN.
 - THE TWO NEW VALVES (RAINBIRD PEB) WILL REQUIRE REMOTE BATTERY OPERATION AS WELL AS A BATTERY CONTROL ADDED TO THE MASTER VALVE.
 - ALLOW FOR EXPANSION CAPACITY (20%) AT EACH ZONE FOR FUTURE PLANTING ADJUSTMENTS.
 - NOTIFY OWNER IF MORE THAN TWO NEW ZONES ARE REQUIRED FOR DESIRED COVERAGE.
 - TURF HEADS SHALL BE RAINBIRD 5000s; SPRAY HEADS SHALL BE RAINBIRD 1800s.
 - THE DESIGN SHALL PROVIDE FOR HEAD-TO-HEAD COVERAGE; REVIEW AREAS WITH OWNER WHERE COVERAGE IS LESS.
 - TRENCHING SHALL AVOID EXISTING TREE ROOT ZONES.
 - SLEEVES MAY BE PLACED IN CONJUNCTION WITH NEW/DISTURBED BRICK PAVEMENT. ADDITIONAL SLEEVING WILL BE REQUIRED UNDER OTHER EXISTING PAVEMENT. CONTRACTOR MAY BORE OR OPEN-TRENCH ACROSS BRICK PAVEMENT; ALL BRICK PAVEMENT SHALL BE RETORED TO PRIOR CONDITION.
 - DESIGN SHOULD ASSUME 50 PSI AND 60 GPM AT THE POINTS OF CONNECTION. CONTRACTOR TO FIELD-VERIFY PRIOR TO DESIGN SUBMITTAL.
 - WHERE TRENCHES DISTURB TURF, CONTRACTOR SHALL REPLACE BARE AREAS OVER 6" WIDE WITH NEW SOD.

LEGEND		VALVE SCHEDULE	
	EXISTING TREE	V1	EXISTING ROTOR ZONE
	EXISTING LIGHT POLE	V2	EXISTING ROTOR ZONE
	NEW/MODIFIED PAVEMENT	V3	EXISTING DRIP ZONE
	TURF	V4	EXISTING ROTOR ZONE
	PLANTING BED	V5	EXISTING ROTOR ZONE
	VALVE (EXISTING/NEW)	V6	NEW SPRAY ZONE (NORTH SIDE)
	EXISTING DRIP LINE	V7	NEW SPRAY ZONE (SOUTH SIDE)

1 ALTERNATE #1: IRRIGATION IMPROVEMENTS
1" = 30'-0"

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PROJECT TITLE: IRRIGATION PLAN
MCKISSICK PLAZA IMPROVEMENTS

University of South Carolina

SHEET: L-4
3 OF 4
SHEET IN SET:
OF