FED. RD. DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON.	1	17

UNIVERSITY OF SOUTH CAROLINA

CONSTRUCTION PLANS

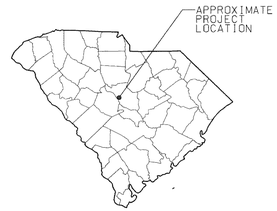
INDEX OF SHEETS

SHEET #	DESCRIPTION	SHEET TOTALS
1	Title Sheet	1
2	Summary of Estimated Quantities	1
3	Typical Section	1
5	General Construction Note	1
5A	Legend Sheet	1
5B	Reference Data Sheet/Index Sheet	1
6 - 8	Plan Sheets	3
TC1 - TC4	Traffic Control Plans	4
PM1 - PM3	Pavement Marking and Signing Plans	3
S1	Fence Detail Sheet	1
	TOTAL SHEETS	17

PROPOSED PLANS FOR

US-21 CON (BLOSSOM STREET) CONCRETE MEDIANS AND FENCING

FROM: GADSDEN STREET INTERSECTION
TO: PARK STREET INTERSECTION



NPDES PERMIT INFORMATION

NPDES Disturbed
Area = 0.000 Acre(s)

Approximate Location of Roadway is

Begin
Latitude 33°59'27"N
Longitude 81°02'13"W

End
Latitude 33°59'31"N
Longitude 81°02'00"W

Design Reference for these plans is the:

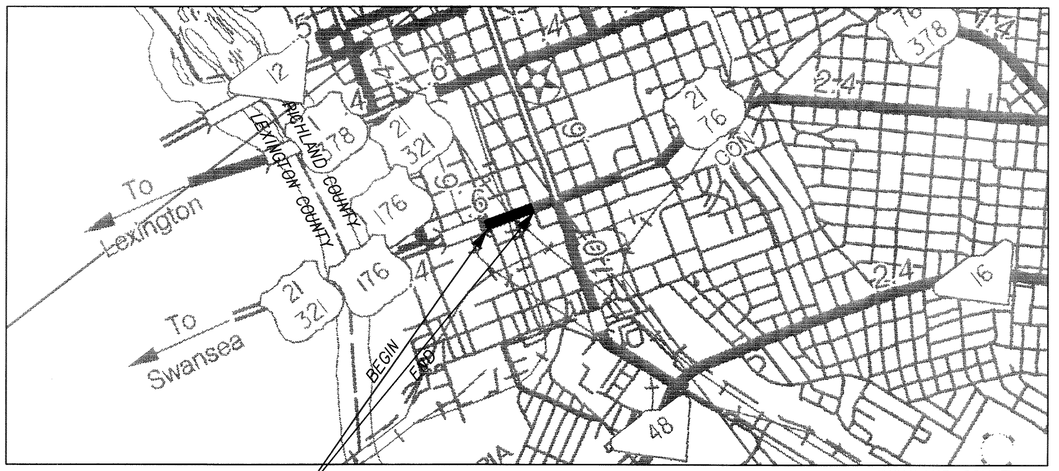
2001

AASHTO "A Policy on Geometric Design of Highways and Streets"

Certification Statement

These plans were prepared and certified by the Consultants for completeness.

No reviews or signatures by the SCDOT are required.



PROJECT LIMITS FOR BLOSSOM ST
STA 14+13.00 TO STA 25+57.00

LAYOUT
SCALE = N.T.S.

240 STONERIDGE DR.
SUITE 305
COLUMBIA, SC 29210
803-256-4121

DAVIS & FLOYD Engineering Architecture Environmental & Laboratory Services

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RAILROAD INVOLVEMENT?
YES / (NO)

TRAFFIC DATA

2012 ADT 26,200

2023 ADT 36,267

TRUCKS 5 %

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

CALL 811

SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811.

	BLOSSOM ST	SIDEROADS	TOTAL	
NET LENGTH OF ROADWAY	0.217	0.000	0.217	MILES
NET LENGTH OF BRIDGES	0.000	0.000	0.000	MILES
NET LENGTH OF PROJECT	0.217	0.000	0.217	MILES
LENGTH OF EXCEPTIONS	0.000	0.000	0.000	MILES
GROSS LENGTH OF PROJECT	0.217	0.000	0.217	MILES

EQUALITIES IN STATIONING = (None)

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM

SOUTH CAROLINA — DAVIS & FLOYD INC. ENGINEERING NO. C00538 — CERTIFICATE OF AUTHORIZATION

ENGINEER OF RECORD

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 21932 — ERIC SCOT DICKEY

FOR CONSTRUCTION: Eric S. Dickey 9/26/2013 DATE

std form2.dgn

CONSTRUCTION PLANS

FED. RD. DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	2	

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
6051120	PERM. CONST. SIGNS (GRND. MOUNTED)	256	SF
6051125	PERM. CONST. SIGNS (BARR. MOUNTED)	40	SF
6271015	8" WH. SLD. LNES. - THERMO. 125 MIL.	950	LF
6271074	4" YEL. SLD. LNES. - THERMO. 90 MIL.	820	LF
6271080	24" YEL. SOLID LINE - THERMO. 125 MIL.	370	LF
6280112	6" YEL. SLD. ON CURB - H.B. PNT 25 MIL.	2,130	LF
6301100	PERM. YEL. PAV. MARK BI-DIR 4"X4"	90	EA
7206000	CONCRETE MEDIAN	470	SY
	STEEL PICKET FENCE	1,050	LF

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT

SOUTH CAROLINA
DAVIS & FLOYD, INC.
No. C00536
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 21932
9/26/13
FRED SCOTT DAVIS, JR.

P.O. DRAWER 428
GREENWOOD, SC 29648
864-229-5211

DAVIS & FLOYD Engineering Architecture Environmental & Laboratory Services
GREENWOOD • CHARLESTON • COLUMBIA • GREENVILLE
FLORENCE • HICKORY, NC

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____
SQUAD ____

UNIVERSITY OF SOUTH CAROLINA

SUMMARY OF QUANTITIES

BLOSSOM ST

SCALE 1"=NTS RTE. US-21 CON DWG. NO. 2

PLOTTED: 9/26/2013 10:23P AM FILE NAME: $FILE$

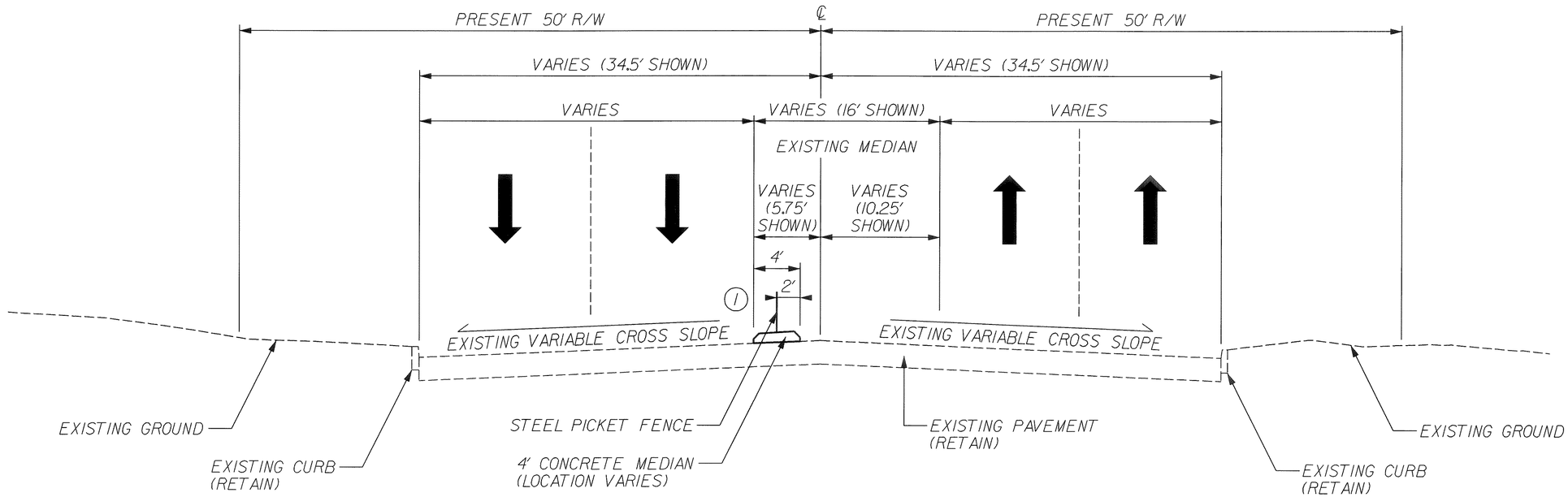
FED. RD. DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	3	

CONSTRUCTION PLANS

TYPICAL SECTION OF IMPROVEMENT
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, S.C.

NOTES:

1. SEE PLANS FOR LOCATION OF CONCRETE MEDIANS AND STEEL PICKET FENCING.
2. SEE SCDOT STANDARD DRAWING NO. 720-105-03 FOR CONCRETE ISLANDS.
3. SEE SHEET S1 FOR STEEL PICKET FENCE AND ANCHOR BOLT ATTACHMENT DETAILS.



TYPICAL SECTION
BLOSSOM ST
FROM STA 14+13.00 TO STA 25+57.00

SCALE: 5.0000 ' / in.
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PLOTTED: 9/26/2013
PEN TABLE: V8-COLA-3RD.tbl
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DAVIS & FLOYD, INC. — SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION — No. C00538

REGISTERED PROFESSIONAL ENGINEER — SOUTH CAROLINA — No. 21932 — 9/24/13

240 STONERIDGE DRIVE
SUITE 306
COLUMBIA, SC 29210
(803) 256-4121

DAVIS & FLOYD Engineering
Architecture
Environmental & Laboratory Services
GREENWOOD • CHARLESTON • COLUMBIA • GREENVILLE
FLORENCE • HICKORY, NC

RTE. BLOSSOM ST		DESIGN SPEED
MPH	FROM STA.	TO STA.
40	14+13.00	25+57.00

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____
SQUAD ____ - ____

UNIVERSITY OF SOUTH CAROLINA

TYPICAL SECTION
BLOSSOM ST

SCALE • NTS RTE. US-21 CON DWG. NO. 3

UNIVERSITY OF SOUTH CAROLINA
GENERAL CONSTRUCTION NOTE

CONSTRUCTION PLANS

FED. RD. DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	5	

MAP SHOWING LOCATION OF
RICHLAND COUNTY IN SOUTH CAROLINA

NOTE:

THE UNIVERSITY OF SOUTH CAROLINA AND/OR THEIR CONSULTANT MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF PROJECT.

THE US-21 CON (BLOSSOM STREET) CONCRETE MEDIANS AND FENCING PLANS SHALL BE CONSTRUCTED TO SCDOT STANDARDS. THESE PLANS WILL BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION, 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SPECIAL PROVISIONS, AND ANY PERTINENT SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

NO NEW RIGHT-OF-WAY WAS OBTAINED FOR THIS PROJECT.

NO LAND DISTURBANCE FOR THIS PROJECT.

NEW 4' CONCRETE MEDIAN TO BE CONSTRUCTED WITHIN EXISTING MEDIAN PAVEMENT MARKINGS.
SEE PLANS FOR LOCATION OF CONCRETE MEDIAN & STEEL PICKET FENCE.

MAINTAIN ALL EXISTING TRAVEL LANE WIDTHS.

MAINTAIN ALL EXISTING DRAINAGE PATTERNS. NO CONCRETE MEDIAN CUTS REQUIRED.

SCALE: 10.2000 ' / in.
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SOUTH CAROLINA — DAVIS & FLOYD, INC. — No. C00538 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — REGISTERED PROFESSIONAL ENGINEER — No. 21932 — FRANCIS SCOTT DICKEY, JR.

P.O. DRAWER 428
GREENWOOD,SC 29648
864-229-5211

DAVIS & FLOYD Engineering Architecture Environmental & Laboratory Services
GREENWOOD • CHARLESTON • COLUMBIA • GREENVILLE
FLORENCE • HICKORY, NC

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. _____ DATE _____
R/W _____ DATE _____
CHK. _____ DATE _____

UNIVERSITY OF SOUTH CAROLINA

GENERAL CONSTRUCTION NOTE

BLOSSOM ST

SCALE 1" = NTS RTE. US-21 CON DWG. NO. 5

CONVENTIONAL SYMBOLS

CONSTRUCTION PLANS

FED. RD. DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	5A	

ROADS & RELATED ITEMS

- Edge of Pavement - Proposed
- Edge of Pavement - Existing
- Unpaved Roads
- Curb & Gutter - Proposed
- Curb & Gutter - Existing
- Curb & Gutter Driveways - Typical
- Proposed Slope Stake Cut
- Proposed Slope Stake Fill
- Proposed Wheelchair Ramp (WCR)
- Guardrail - Existing
- Guardrail - Proposed
- Equality Symbol
- Pavement Removal
- Proposed Fence
- Existing Fence

RIGHT OF WAY & PROPERTIES

- Iron Pins
- Concrete Monument
- Other Markers
- Existing Right of Way Line
- Property Line
- Proposed Right of Way Line
- Existing Controlled Access Line
- Proposed Controlled Access Line
- Existing Easement Line
- Proposed Easement Line
- Prop. Temp. Construction Easement
- Prop. Temp. Drainage Easement
- State Line
- County Line
- City Line
- Parcel Number ③

HYDROLOGY

- Ponds, Lakes, Marshes, & Swamps
- Streams & Creeks
- Existing Ditches
- Proposed Ditches
- Springs
- Marsh, Swamps, Wetlands
- Ditch Pavement/Riprap

RAILROAD

- Milepost M/P
- Signal Box R/R
- Signals
- Trestle
- Tracks

STRUCTURES

EXISTING

- Bridges
- Pipe Culvert
- Box Culvert
- Headwalls/Wingwalls
- Catchbasins CB
- Drop Inlets DI
- Junction Boxes JB
- Stormwater Manholes

PROPOSED

- Bridges
- Pipe Culvert
- Box Culvert
- Headwalls/Wingwalls
- Catchbasin Type 16
- Catchbasin Type 17
- Catchbasin Type 18
- Catchbasin Type 9
- Drop Inlet DI
- Junction Box JB
- Stormwater Manhole
- Bend - 15 degree
- Bend - 30 degree
- Bend - 45 degree
- Bend - 90 degree
- Tee Joint
- Wye Joint
- Water Quality Structure
- Ditches
- Outlet Pipe Icon OP

SURVEY FEATURES

- Air Conditioning Unit A/C
- Buildings & Residences
- Cemetary
- Columns
- Concrete Pads/Slabs/Foundations
- Electric Outlet
- Fill Cap for Underground Tank (F)
- Flag Pole
- Flood/Ground Light
- Gas Pump Island GAS ISLAND
- Graves
- Guard Post
- Mailbox (M)
- Monitoring Well (MW)
- Satellite Dish
- Schools & Churches
- Septic & Underground Tanks TANK
- Sign - Road
- Sign - Business/Billboard
- Spot Elevation
- Sprinkler
- Tower

SURVEY FEATURES

- Vacuum - Commercial VAC
- Walkway
- Walls
- Water Spigot
- Well WELL

UTILITIES

- Air Release Valve ARV
- Electrical Handhole H
- Electrical Manhole (E)
- Electrical Transformer Pad T
- Electrical Panel or Vault E
- Fiber Optic Cable Handhole F
- Fiber Optic Cable FOL
- Fire Hydrant
- Fire Protection Pit FPP
- Gas Line G
- Gas Meter
- Gas Pressure Regulator GR
- Gas Valve (V)
- Guy Wire
- Irrigation Control Valve Box ICV
- Light Pole
- Power Lines - Overhead P
- Power Lines - Underground UP
- Power Pole
- Sanitary Cleanout
- Sanitary Force Main
- Sanitary Manhole (S)
- Sanitary Pump Stations
- Sanitary Sewer SS
- TV Cable Handhole
- TV Cable - Overhead TV
- TV Cable Pedestal
- TV Cable - Underground UTV
- Telephone Handhole
- Telephone Manhole (T)
- Telephone Line - Overhead T
- Telephone Line - Underground UT
- Telephone Pay Phone
- Telephone Pedestal
- Traffic Signal Control Box
- Traffic Signal Heads
- Traffic Signal Mast Arms
- Traffic Signal Pole
- Utility Marker/Witness Post
- Utility Pole
- Water Lines W
- Water Manhole (W)
- Water Meter
- Water Valve (V)

VEGETATION

- Flowerbed
- Hedgerow
- Miscellaneous Vegetation
- Shrub
- Tree
- Treeline

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CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	5B	

Beginning chain BLOSSOM description

Point 1	N	784,973.2864 E	1,988,707.6432 Sta	13+00.00
Course from 1 to 2 N 69° 33' 29.16" E Dist 788.6000				
Point 2	N	785,248.7107 E	1,989,446.5826 Sta	20+88.60
Course from 2 to 3 N 69° 22' 29.28" E Dist 711.2095				
Point 3	N	785,499.2366 E	1,990,112.2069 Sta	27+99.81

Ending chain BLOSSOM description

Beginning chain GADSDEN description

Point 30	N	784,893.0884 E	1,989,008.8651 Sta	20+00.00
Course from 30 to 31 N 20° 41' 30.84" W Dist 363.1689				
Point 31	N	785,232.8307 E	1,988,880.5421 Sta	23+63.17

Ending chain GADSDEN description

Beginning chain LINCOLN description

Point 10	N	785,081.6633 E	1,989,508.1275 Sta	30+00.00
Course from 10 to 11 N 20° 13' 30.72" W Dist 363.1809				
Point 11	N	785,422.4508 E	1,989,382.5719 Sta	33+63.18

Ending chain LINCOLN description

Beginning chain PARK description

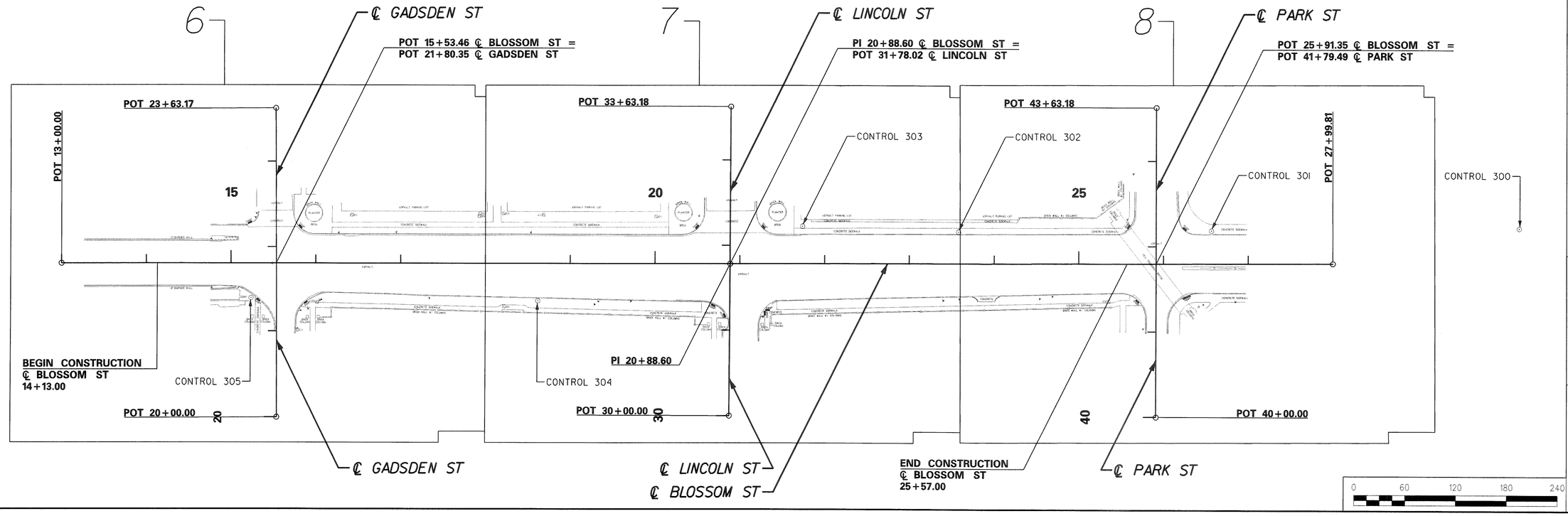
Point 20	N	785,257.6423 E	1,989,979.8462 Sta	40+00.00
Course from 20 to 21 N 20° 27' 30.60" W Dist 363.1779				
Point 21	N	785,597.9130 E	1,989,852.9050 Sta	43+63.18

Ending chain PARK description

CONTROL POINTS

Point ID	Northing	Easting	Elevation
* CP300	* 785615.2300	* 1990303.6000	* 232.088
* CP301	* 785485.1180	* 1989964.4420	* 214.942
* CP302	* 785378.7610	* 1989685.6010	* 208.560
* CP303	* 785320.1350	* 1989511.1560	* 207.433
* CP304	* 785128.0810	* 1989249.6050	* 200.398
* CP305	* 785012.8530	* 1988931.5070	* 193.539

ALL CONTROL POINTS ARE NAIL AND SHINER UNLESS OTHERWISE NOTED.
VERTICAL - NORTH AMERICAN VERTICAL DATUM - 1988 (NAVD 88)
HORIZONTAL - NORTH AMERICAN DATUM - 1983 (NAD 83)
COORDINATES - SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM
ALL DISTANCES AS SHOWN ON PLANS ARE GRID DISTANCES.
NO COMBINED SCALE FACTOR WAS USED FOR THIS PROJECT.



UNIVERSITY OF SOUTH CAROLINA

REFERENCE DATA SHEET/INDEX SHEET
BLOSSOM ST
STA 14+13.00 - STA 25+57.00
GADSDEN ST, LINCOLN ST, PARK ST

PLAN SCALE 1"=60'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. DATE
R/W DATE
CHK. DATE

DAVIS & FLOYD
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FLORENCE • HICKORY, NC
240 STONERIDGE DRIVE, SUITE 305
COLUMBIA, SC 29210
(803) 256-4121

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21932 REGISTERED ERIC SCOTT HICKEY 9/26/13

SOUTH CAROLINA DAVIS & FLOYD, INC. No. C00538 CERTIFICATE OF AUTHORIZATION

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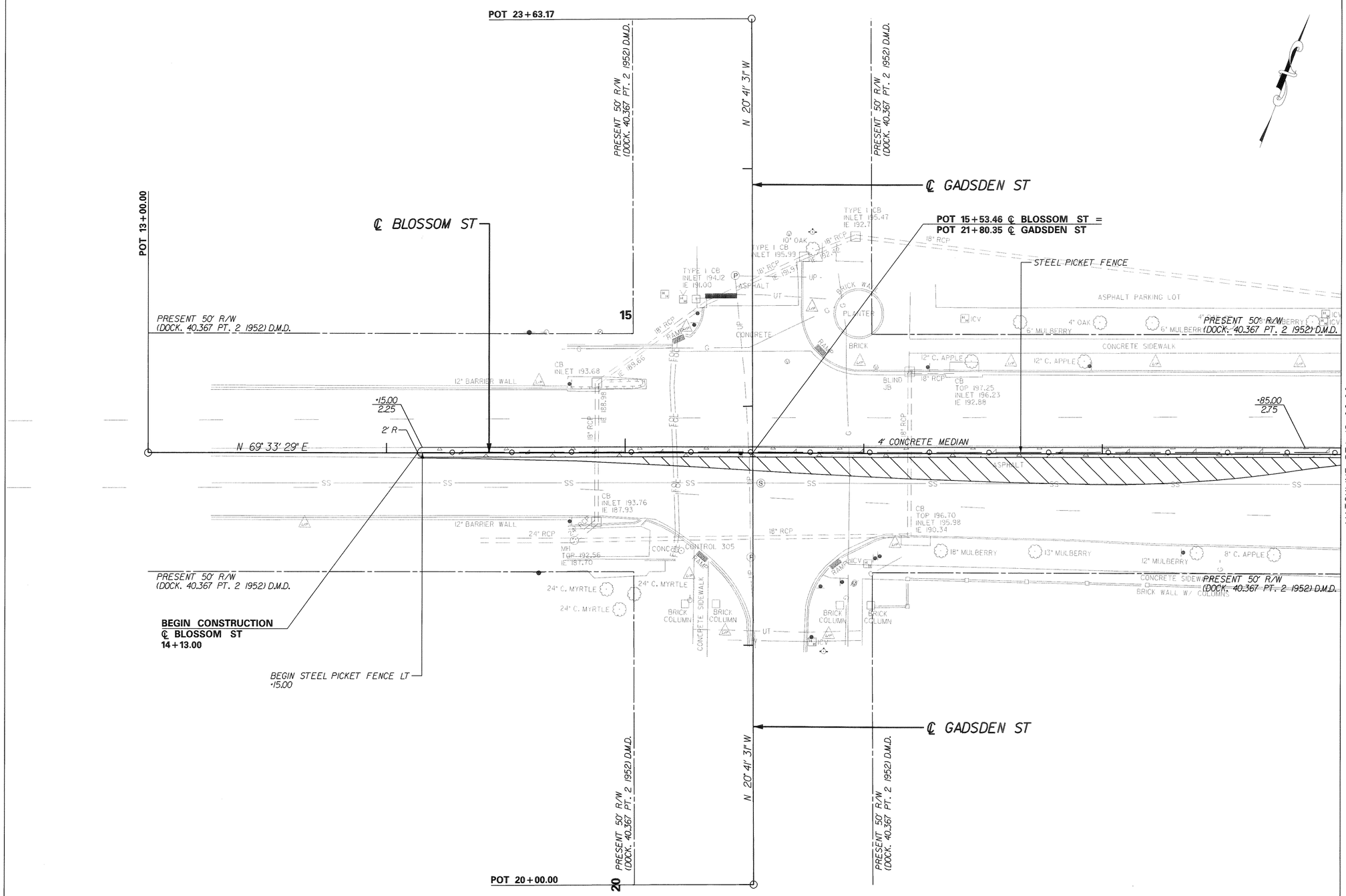
CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	6	



NOTE:
MAINTAIN ALL EXISTING TRAVEL LANE WIDTHS.

SEE REFERENCE DATA SHEET FOR ALIGNMENT CONTROL

0 20 40 60 80

UNIVERSITY OF SOUTH CAROLINA

PLAN SHEET
BLOSSOM ST
STA 14+13.00 - STA 18+00.00

PLAN SCALE 1"=20'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. DATE
R/W DATE
CHK. DATE

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SUITE 305
COLUMBIA, SC 29210
(803) 256-4121

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21932 REGISTERED ERIC C. PICKEY 9/24/13

SOUTH CAROLINA DAVIS & FLOYD, INC. No. C00538 CERTIFICATE OF AUTHORIZATION

SCALE: 20.0000 ' / in.
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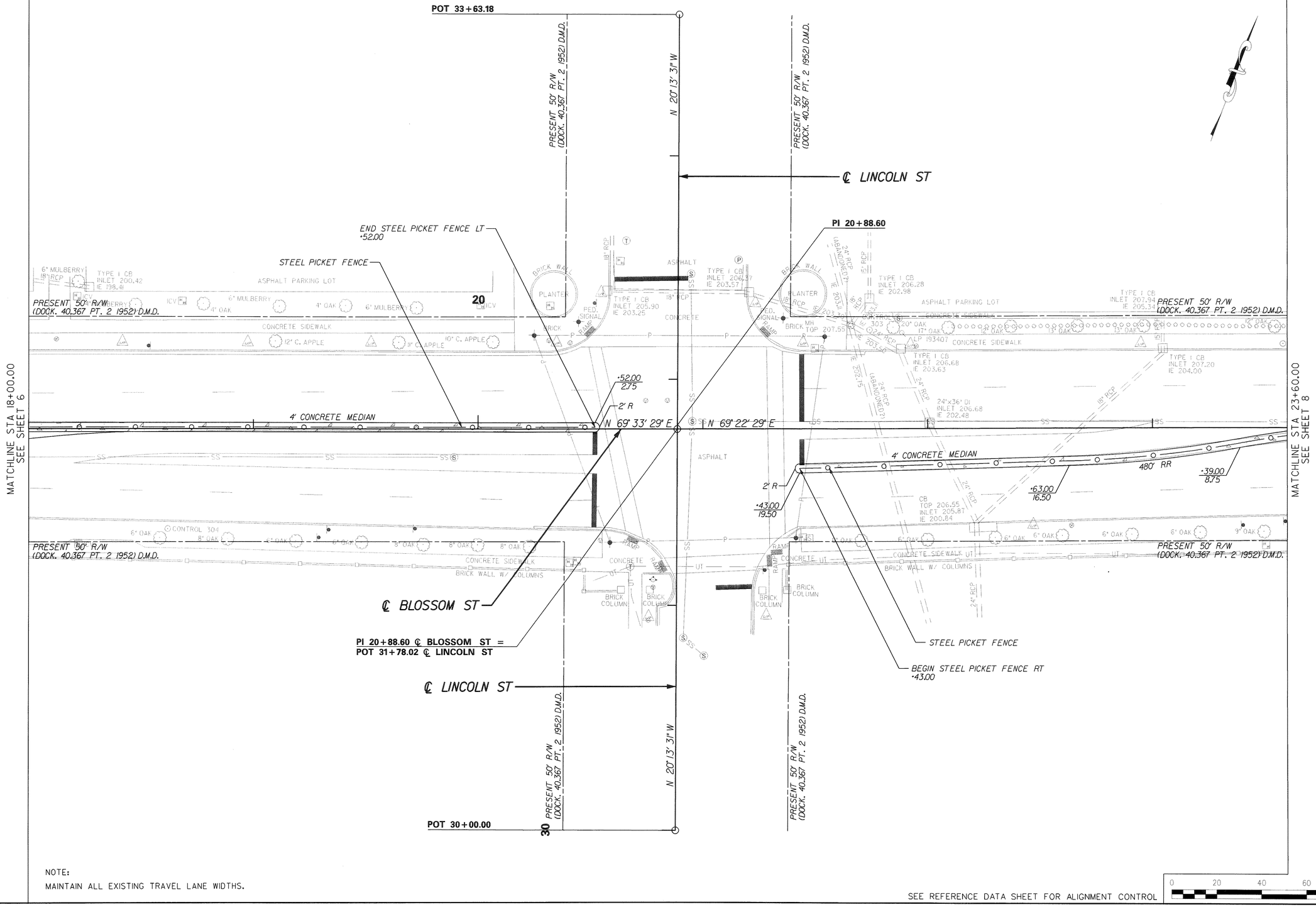
CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	7	



NOTE:
MAINTAIN ALL EXISTING TRAVEL LANE WIDTHS.

SEE REFERENCE DATA SHEET FOR ALIGNMENT CONTROL

0 20 40 60 80

UNIVERSITY OF SOUTH CAROLINA

PLAN SHEET
BLOSSOM ST
STA 18+00.00 - STA 23+60.00

PLAN SCALE 1"=20'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

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FLORENCE • HICKORY, NC
240 STONERIDGE DRIVE, SUITE 305, COLUMBIA, SC 29210 (803) 256-4121

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21932 REGISTERED ERIC SCOTT HICKEY 9/26/13

SOUTH CAROLINA DAVIS & FLOYD, INC. No. C00538 CERTIFICATE OF AUTHORIZATION

SCALE: 20.0000 ' / in.
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PLOTTED: 9/26/2013
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CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON.	8	

UNIVERSITY OF SOUTH CAROLINA

PLAN SHEET
BLOSSOM ST
STA 23+60.00 - STA 25+57.00

PLAN SCALE 1" = 20'

POT 43+63.18

PRESENT 50' R/W (DOCK. 40.367 PT. 2 1952) D.M.D.

N 20° 27' 31" W

℄ PARK ST

END STEEL PICKET FENCE LT
•55.00

STEEL PICKET FENCE

BRICK WALL W/ COLUMNS

TYPE I CB
INLET 214.24
IE 209.67

TYPE I CB
INLET 214.15

POT 25+91.35 ℄ BLOSSOM ST =
POT 41+79.49 ℄ PARK ST

POT 27+99.81

℄ BLOSSOM ST

PRESENT 50' R/W (DOCK. 40.367 PT. 2 1952) D.M.D.

PRESENT 50' R/W (DOCK. 40.367 PT. 2 1952) D.M.D.

25

ASPHALT PARKING LOT

12" OAK

CONCRETE SIDEWALK

CONTROL 302

CONCRETE SIDEWALK

CONTROL 301

14" OAK

PED. SIGNAL

24" RCP

30" RCP

30" RCP (NOT SURVEYED)

BLIND J/B

MH TOP 214.4

TOP 213.50
IE 205.00
ASPHALT

•55.00
5.75

•15.00
2.75

2' R

4' CONCRETE MEDIAN

480' RR

N 69° 22' 29" E

4' CONCRETE MEDIAN W/ ORNAMENTAL STEEL PICKET FENCE

5' RCP (NOT SURVEYED)

CB
TOP 214.62
INLET 213.86
IE 210.36

CONCRETE SIDEWALK

6" OAK

8" OAK

CONCRETE

7" OAK

LP 48509

ICV

RAMP

PED. SIGNAL

BRICK COLUMNS

PRESENT 50' R/W (DOCK. 40.367 PT. 2 1952) D.M.D.

UT BRICK WALL W/ COLUMNS

END CONSTRUCTION
℄ BLOSSOM ST
25+57.00

℄ PARK ST

PRESENT 50' R/W (DOCK. 40.367 PT. 2 1952) D.M.D.

N 20° 27' 31" W

PRESENT 50' R/W (DOCK. 40.367 PT. 2 1952) D.M.D.

POT 40+00.00

40

MATCHLINE STA 23+60.00
SEE SHEET 7

NOTE:
MAINTAIN ALL EXISTING TRAVEL LANE WIDTHS.

SEE REFERENCE DATA SHEET FOR ALIGNMENT CONTROL

0 20 40 60 80

REV. NO.	DATE	BY	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. DATE
R/W DATE
CHK. DATE

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COLUMBIA, SC 29210
(803) 256-4193

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21832 — 2-6-14

SOUTH CAROLINA NOTICE OF AWARD CERTIFICATE OF AUTHORIZATION DAVIS & FLOYD, INC. No. C00538

SCALE: 20.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
PEN TABLE: V8-COLA.3RD.tbl
FILE: J:\Jobseven\13142-01\C\F_DGN\PLPR\08plan.dgn

GENERAL NOTES - CONSTRUCTION AND TRAFFIC CONTROL - STAGE 1

1. INSTALL PERMANENT CONSTRUCTION SIGNS AT ALL ROADWAY APPROACHES TO THE PROJECT IN ACCORDANCE WITH STANDARD DRAWING NO. 605-010-02. USE SCHEME C FOR BLOSSOM ST AND SCHEME E FOR GADSDEN ST, LINCOLN ST, AND PARK ST. THESE SIGNS SHALL BE INSTALLED PRIOR TO BEGINNING CONSTRUCTION AND SHALL REMAIN IN PLACE FOR THE ENTIRE DURATION.

2. NO DAYTIME LANE CLOSURES WILL BE ALLOWED DURING CONSTRUCTION.

3. NIGHTTIME CONSTRUCTION USING LANE CLOSURES SHALL BE SCHEDULED AND IMPLEMENTED TO RESTORE 2-WAY 5-LANE TRAFFIC DURING DAYLIGHT CONDITIONS.

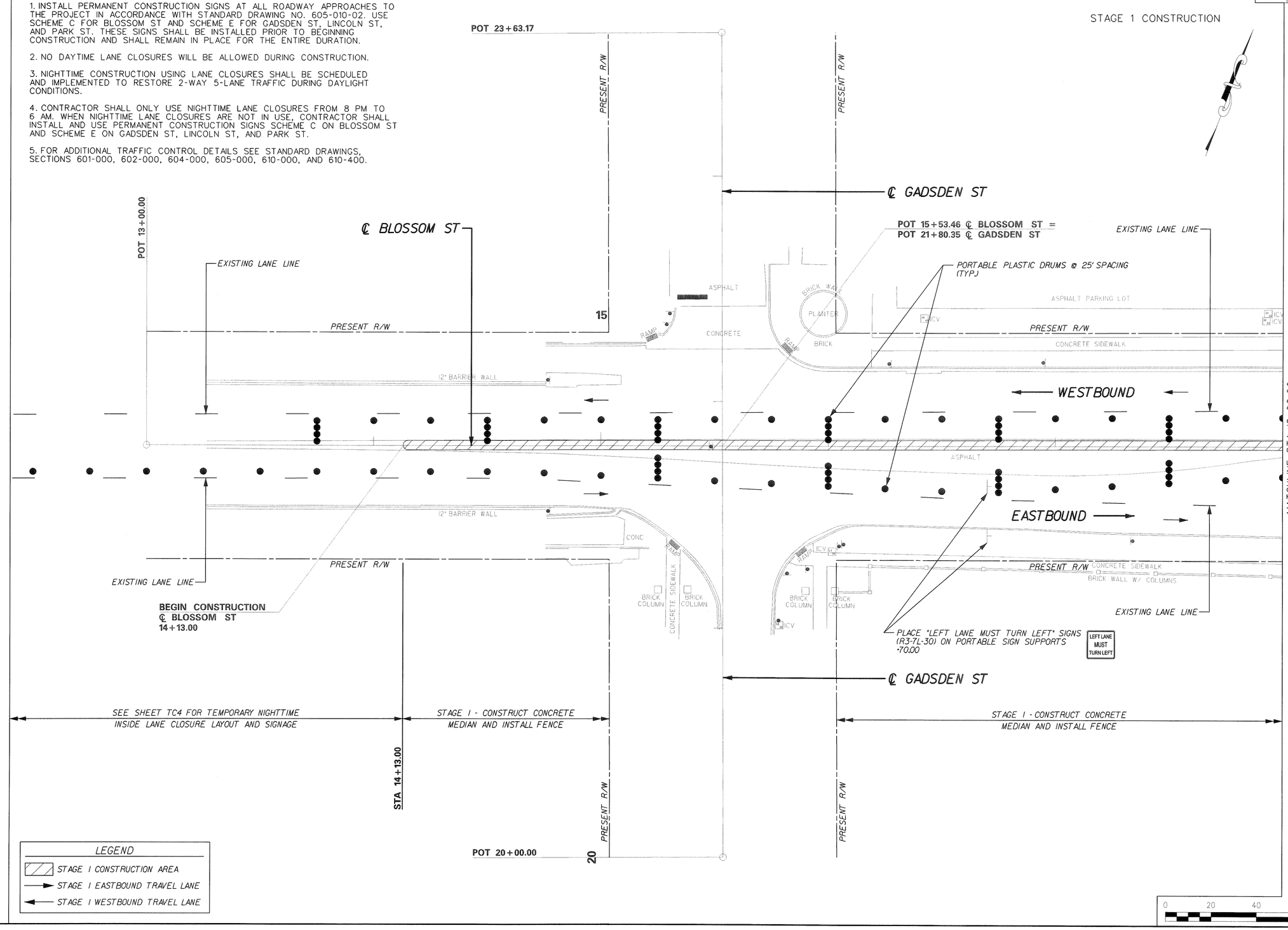
4. CONTRACTOR SHALL ONLY USE NIGHTTIME LANE CLOSURES FROM 8 PM TO 6 AM. WHEN NIGHTTIME LANE CLOSURES ARE NOT IN USE, CONTRACTOR SHALL INSTALL AND USE PERMANENT CONSTRUCTION SIGNS SCHEME C ON BLOSSOM ST AND SCHEME E ON GADSDEN ST, LINCOLN ST, AND PARK ST.

5. FOR ADDITIONAL TRAFFIC CONTROL DETAILS SEE STANDARD DRAWINGS, SECTIONS 601-000, 602-000, 604-000, 605-000, 610-000, AND 610-400.

CONSTRUCTION PLANS

STAGE 1 CONSTRUCTION

FED. ROAD DIV.NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	TC1	



UNIVERSITY OF SOUTH CAROLINA

TRAFFIC CONTROL PLAN SHEET
BLOSSOM ST
STA 14+13.00 - STA 18+00.00

PLAN SCALE 1"= 20'

REV. NO.	BY	DESCRIPTION OF REVISION	DATE
1			
2			
3			
4			

DCN. DATE
R/W DATE
CHK. DATE

240 STONERIDGE DRIVE, SUITE 320 COLUMBIA, SC 29210 (803) 256-4293

DAVIS & FLOYD Engineering Architecture Environmental & Laboratory Services

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 29932 CHRISTOPHER SCOTT WEAVER

SOUTH CAROLINA DAVIS & FLOYD, INC. No. C0005.38 CERTIFICATE OF AUTHORIZATION

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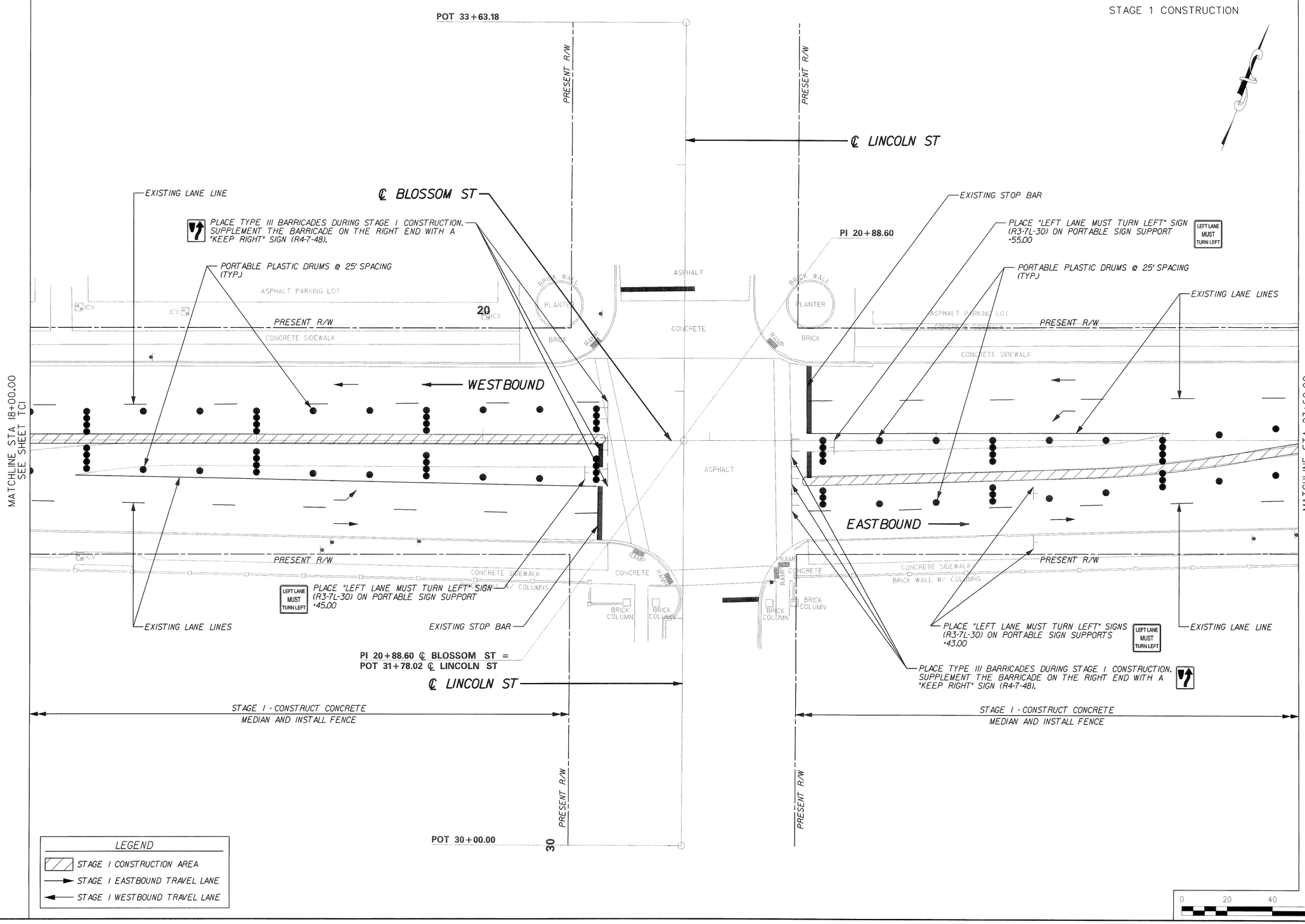
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
PEN TABLE: V8-COLA-3RD.tbl
FILE: J:\Jobseven\13142-01\C\F_DGN\PLPR\TC1.dgn

CONSTRUCTION PLANS

STAGE 1 CONSTRUCTION

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	TC2	



UNIVERSITY OF SOUTH CAROLINA

TRAFFIC CONTROL PLAN SHEET
BLOSSOM ST
STA 18+00.00 - STA 23+60.00

PLAN SCALE 1"=20'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. DATE
R/W DATE
CHK. DATE

240 STONERIDGE DRIVE, SUITE 300, COLUMBIA, SC 29210 (803) 258-4121

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SOUTH CAROLINA PROFESSIONAL ENGINEER REGISTERED No. 21932 ERIC SCOT DICKEY

SOUTH CAROLINA DAVIS & FLOYD, INC. No. C00538 CERTIFICATE OF AUTHORIZATION

SCALE: 20.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt PEN TABLE: V8-COLA-3RD.tbl
PLOTTED: 9/26/2013 FILE: J:\Jobseven\13142-01\C\F_DGN\PLPR\TC2.dgn

CONSTRUCTION PLANS

STAGE 1 CONSTRUCTION

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	TC3	

UNIVERSITY OF SOUTH CAROLINA

TRAFFIC CONTROL PLAN SHEET
BLOSSOM ST
STA 23+60.00 - STA 25+57.00

PLAN SCALE 1"= 20'

MATCHLINE STA 23+60.00
SEE SHEET TC2

POT 43+63.18

PRESENT R/W

LEFT LANE MUST TURN LEFT

PLACE "LEFT LANE MUST TURN LEFT" SIGNS (R3-7L-30) ON PORTABLE SIGN SUPPORTS •53.00

EXISTING LANE LINE

PORTABLE PLASTIC DRUMS @ 25' SPACING (TYP.)

BRICK WALL W/ COLUMNS

ASPHALT PARKING LOT

CONCRETE SIDEWALK

25

PRESENT R/W

BRICK WALL W/ COLUMNS

BRICK COLUMNS

RAMP

CONCRETE SIDEWALK

WESTBOUND

ASPHALT

PED. CROSSWALK BRIDGE

PLACE TYPE III BARRICADES DURING STAGE I CONSTRUCTION. SUPPLEMENT THE BARRICADE ON THE RIGHT END WITH A "KEEP RIGHT" SIGN (R4-7-48).

PORTABLE PLASTIC DRUMS @ 25' SPACING (TYP.)

℄ PARK ST

POT 25+91.35 ℄ BLOSSOM ST =
POT 41+79.49 ℄ PARK ST

℄ BLOSSOM ST

EXISTING STOP BAR

EXISTING LANE LINES

PRESENT R/W

CONCRETE SIDEWALK

4' CONCRETE MEDIAN W/ ORNAMENTAL STEEL PICKET FENCE

EASTBOUND

RAMP

BRICK COLUMNS

CONCRETE SIDEWALK

PRESENT R/W

PLACE "LEFT LANE MUST TURN LEFT" SIGN (R3-7L-30) ON PORTABLE SIGN SUPPORT •55.00

LEFT LANE MUST TURN LEFT

PLACE TYPE III BARRICADES DURING STAGE I CONSTRUCTION. SUPPLEMENT THE BARRICADE ON THE RIGHT END WITH A "KEEP RIGHT" SIGN (R4-7-48).

℄ PARK ST

POT 27+99.81

PLACE "LEFT LANE MUST TURN LEFT" SIGNS (R3-7L-30) ON PORTABLE SIGN SUPPORTS

LEFT LANE MUST TURN LEFT

TYPE II BARRICADES @ 25' SPACING (TYP.) SEE SHEET TC4

EXISTING LANE LINE

CONCRETE

ICV

PRESENT R/W

CONCRETE SIDEWALK

BRICK WALL W/ COLUMNS

PLACE "LEFT LANE MUST TURN LEFT" SIGN (R3-7L-30) ON PORTABLE SIGN SUPPORT •45.00

LEFT LANE MUST TURN LEFT

EXISTING LANE LINES

END CONSTRUCTION
℄ BLOSSOM ST
25+57.00

EXISTING STOP BAR

STAGE I - CONSTRUCT CONCRETE MEDIAN AND INSTALL FENCE

SEE SHEET TC4 FOR TEMPORARY NIGHTTIME INSIDE LANE CLOSURE LAYOUT AND SIGNAGE

PRESENT R/W

STA 25+57.00

PRESENT R/W

POT 40+00.00

40

LEGEND

- STAGE I CONSTRUCTION AREA
- STAGE I EASTBOUND TRAVEL LANE
- STAGE I WESTBOUND TRAVEL LANE

0 20 40 60 80

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DSN. DATE
R/W DATE
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1540 STOKERIDGE DRIVE, SUITE 200, COLUMBIA, SC 29210 (803) 256-4151

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21937

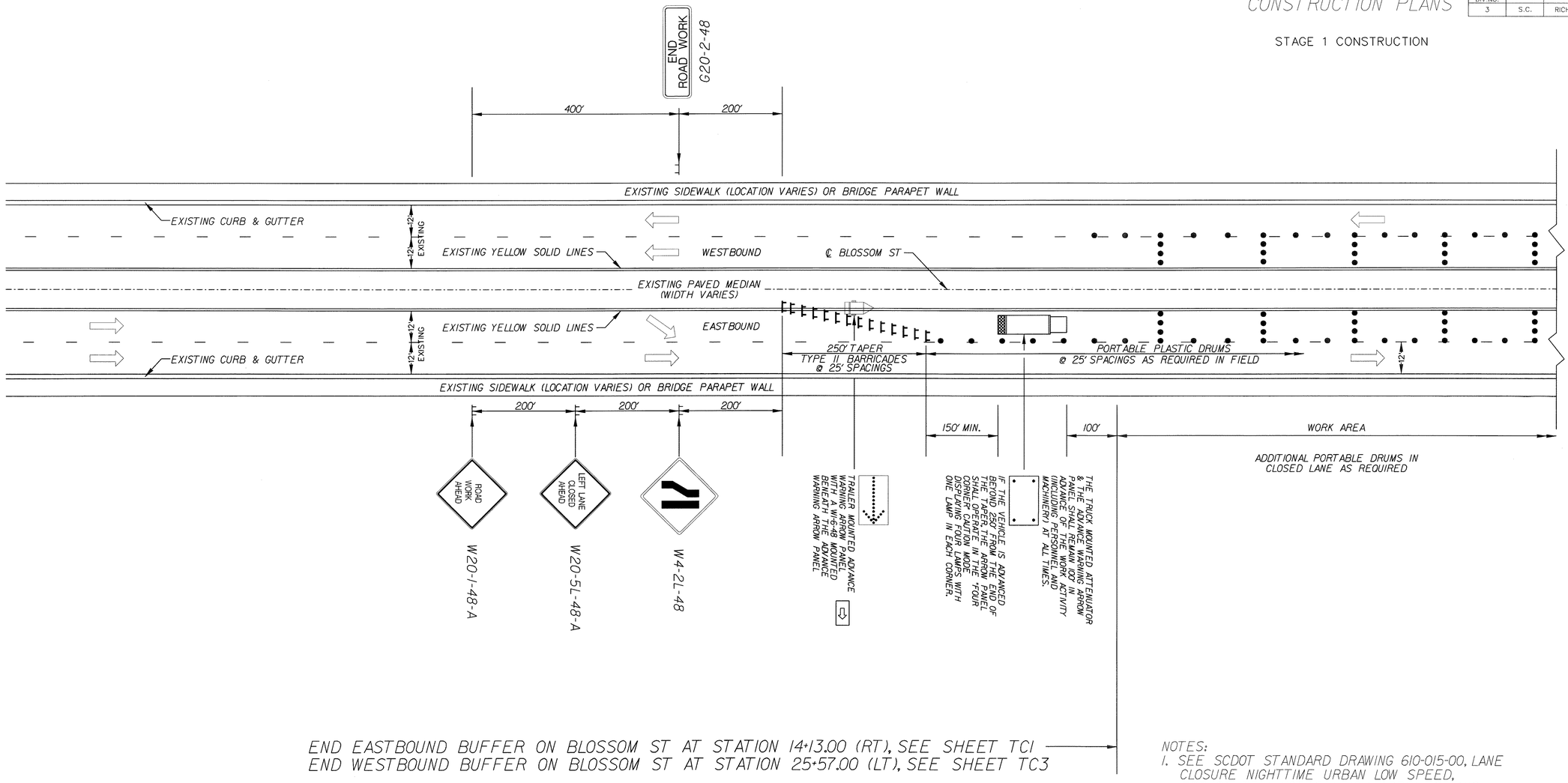
SOUTH CAROLINA NOLLY JOHNSON CERTIFICATE OF AUTHORIZATION DAVIS & FLOYD, INC. No. C00538

SCALE: 20.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
PEN TABLE: V8-COLA-3RD.tbl
FILE: J:\Jobseven\13142-01\C\F_DGN\PLPRVTC3.dgn

CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	TC4	

STAGE 1 CONSTRUCTION



LAYOUT FOR NIGHTTIME LANE CLOSURE SIGNING

BLOSSOM ST INSIDE LANE CLOSURE

EASTBOUND SHOWN

WESTBOUND SIMILAR

N.T.S.

NOTES:

1. SEE SCDOT STANDARD DRAWING 610-015-00, LANE CLOSURE NIGHTTIME URBAN LOW SPEED, FOR GENERAL NOTES WHICH APPLY TO THIS LANE CLOSURE.
2. NIGHTTIME CONSTRUCTION USING LANE CLOSURES SHALL BE SCHEDULED AND IMPLEMENTED TO RESTORE 2-WAY 5-LANE TRAFFIC DURING DAYLIGHT CONDITIONS.
3. CONTRACTOR SHALL ONLY USE NIGHTTIME LANE CLOSURES FROM 8 PM TO 6 AM. WHEN NIGHTTIME LANE CLOSURES ARE NOT IN USE, CONTRACTOR SHALL INSTALL AND USE PERMANENT CONSTRUCTION SIGNS SCHEME C ON BLOSSOM ST AND SCHEME E ON GADSDEN ST, LINCOLN ST, AND PARK ST.
4. NIGHTTIME LANE CLOSURE IS INCLUDED IN PAY ITEM 1071000 TRAFFIC CONTROL (LS).

⇨ DENOTES BLOSSOM ST TRAFFIC DURING CONSTRUCTION ONLY

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NIGHTTIME LANE CLOSURE SIGNAGE LAYOUT BLOSSOM ST

PLAN SCALE 1" = NTS

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DCN. DATE
R/W DATE
CHK. DATE

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21932 REGISTERED ERIC SCOTT CLICKEY

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION DAVIS & FLOYD, INC. No. C00538

SCALE: 50.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt PEN TABLE: V8-COLA-3RD.tbl
PLOTTED: 9/26/2013 FILE: J:\Jobseven\13142-01\C\F_DGN\PLPR\TC4.dgn

NOTES:

1. CONTRACTOR SHALL PLACE NEW PAVEMENT MARKINGS IN ACCORDANCE WITH SHEETS PM1 - PM3, THE MUTCD, AND THE SCDOT STANDARD DRAWINGS, FROM STA 14+13.00 TO STA 25+57.00.

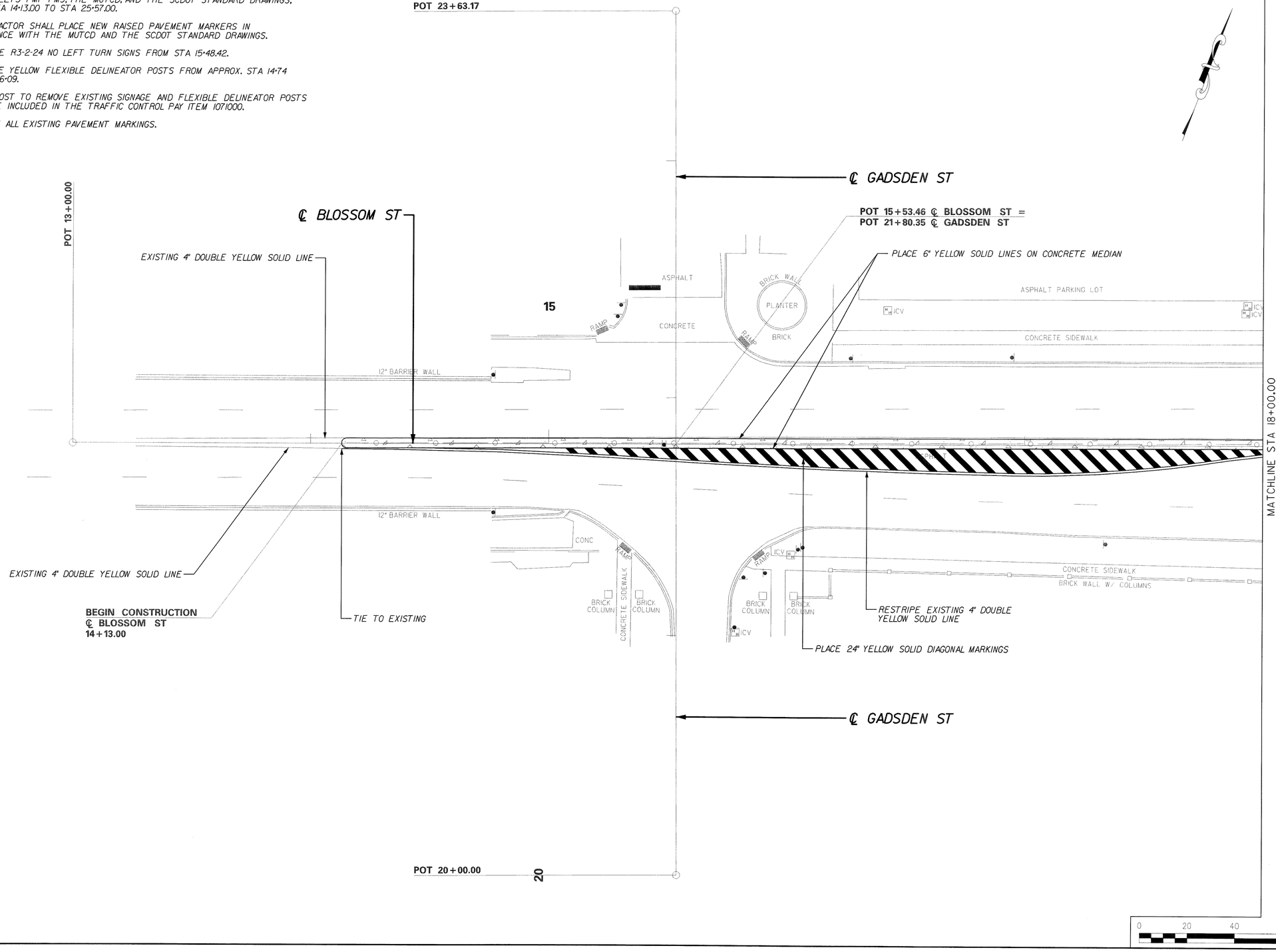
2. CONTRACTOR SHALL PLACE NEW RAISED PAVEMENT MARKERS IN ACCORDANCE WITH THE MUTCD AND THE SCDOT STANDARD DRAWINGS.

3. REMOVE R3-2-24 NO LEFT TURN SIGNS FROM STA 15+48.42.

4. REMOVE YELLOW FLEXIBLE DELINEATOR POSTS FROM APPROX. STA 14+74 TO STA 16+09.

5. THE COST TO REMOVE EXISTING SIGNAGE AND FLEXIBLE DELINEATOR POSTS SHALL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEM 1071000.

6. RETAIN ALL EXISTING PAVEMENT MARKINGS.



CONSTRUCTION PLANS

FED. ROAD DIV.NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON.	PM1	

UNIVERSITY OF SOUTH CAROLINA

PAVEMENT MARKING & SIGNING PLAN SHEET
BLOSSOM ST
STA 14+13.00 - STA 18+00.00

PLAN SCALE 1"=20'

REV.NO.	BY	DESCRIPTION OF REVISION	DATE
4			
3			
2			
1			

DON. DATE
R/W DATE
CHK. DATE

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21832 REGISTERED

CERTIFICATE OF AUTHORIZATION DAVIS & FLOYD, INC. No. C00538

SCALE: 20.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
PEN TABLE: V8-COLA-3RD.tbl
FILE: J:\Jobseven\13142-01\COF_DGN\PLPR\PM1.dgn

CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	PM2	

UNIVERSITY OF SOUTH CAROLINA

PAVEMENT MARKING & SIGNING PLAN SHEET
BLOSSOM ST
STA 18+00.00 - STA 23+60.00

PLAN SCALE 1" = 20'

POT 33+63.18

℄ BLOSSOM ST

℄ LINCOLN ST

RESTRIPE EXISTING 8" WHITE SOLID CROSSWALK LINES

PLACE 6" YELLOW SOLID LINES ON CONCRETE MEDIAN

EXISTING 4" DOUBLE YELLOW SOLID LINE

PI 20+88.60

ASPHALT PARKING LOT

CONCRETE SIDEWALK

ICV

20

BRICK WALL

PLANTER

RAMP

BRICK

ASPHALT

CONCRETE

CONCRETE SIDEWALK

BRICK WALL W/ COLUMNS

CONCRETE RAMP

BRICK COLUMN

MATCHLINE STA 18+00.00
SEE SHEET PM1

MATCHLINE STA 23+60.00
SEE SHEET PM3

RESTRIPE EXISTING 4" DOUBLE YELLOW SOLID LINE

PI 20+88.60 ℄ BLOSSOM ST =
POT 31+78.02 ℄ LINCOLN ST

℄ LINCOLN ST

POT 30+00.00

30

0 20 40 60 80

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. DATE
R/W DATE
CHK. DATE

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FLORENCE • HICKORY, NC
240 STONERIDGE DRIVE SUITE 300 COLUMBIA, SC 29210 (803) 256-4431

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21922 REGISTERED

SOUTH CAROLINA NOTARY PUBLIC CERTIFICATE OF AUTHORIZATION DAVIS & FLOYD, INC. No. C00538

SCALE: 20.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
PEN TABLE: V8-COLA-3RD.tbl
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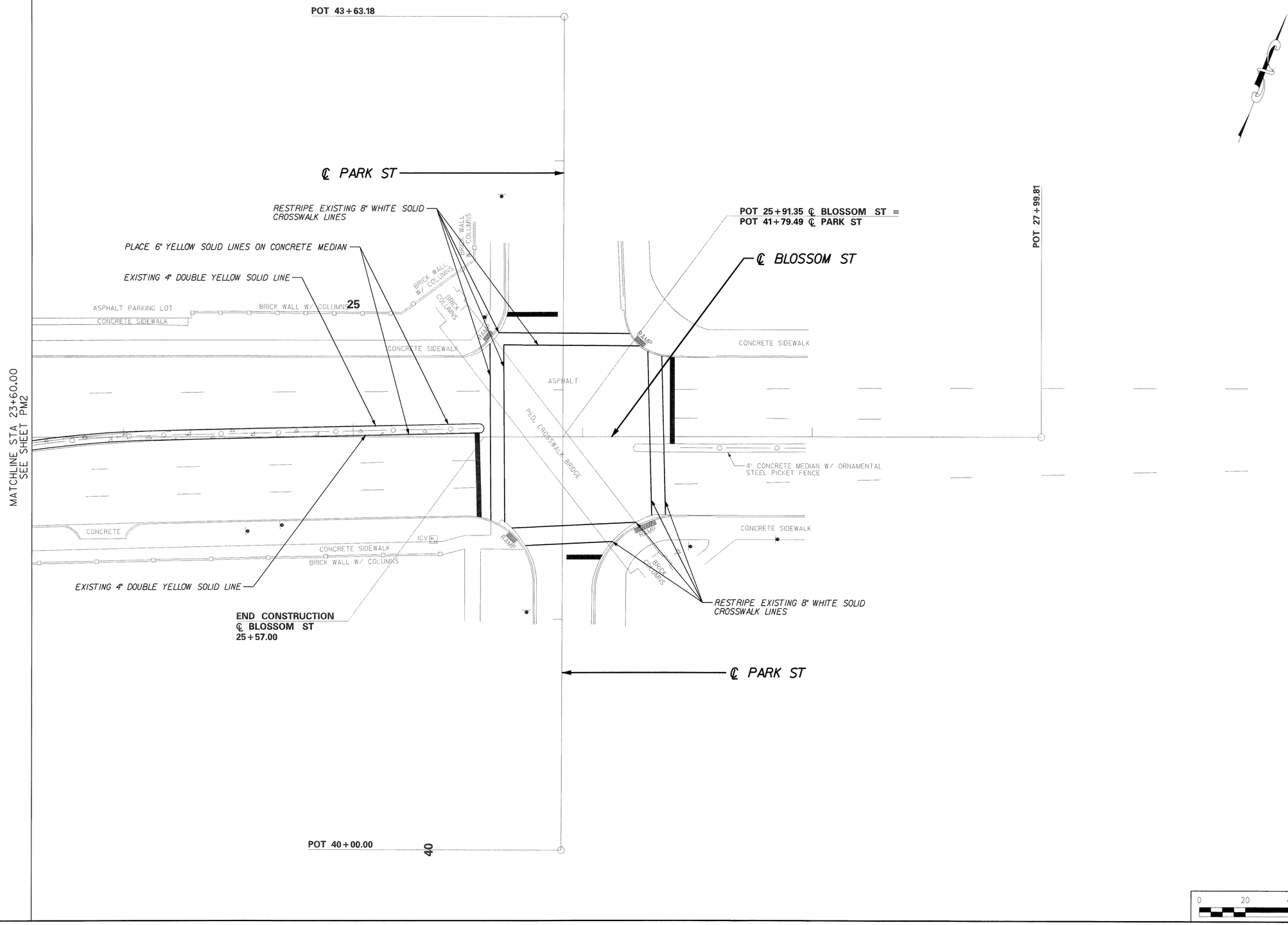
CONSTRUCTION PLANS

FED. ROAD DIV. NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	PM3	



UNIVERSITY OF SOUTH CAROLINA

PAVEMENT MARKING
& SIGNING PLAN SHEET
BLOSSOM ST
STA 23+60.00 - STA 25+57.00

PLAN SCALE 1"=20'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

DGN. DATE
R/W DATE
CHK. DATE

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240 STONERIDGE DRIVE, SUITE 305
COLUMBIA, SC 29210
(803) 256-4121

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21932 REGISTERED ENGINEER 9/26/13 ERIC S. DICKEY

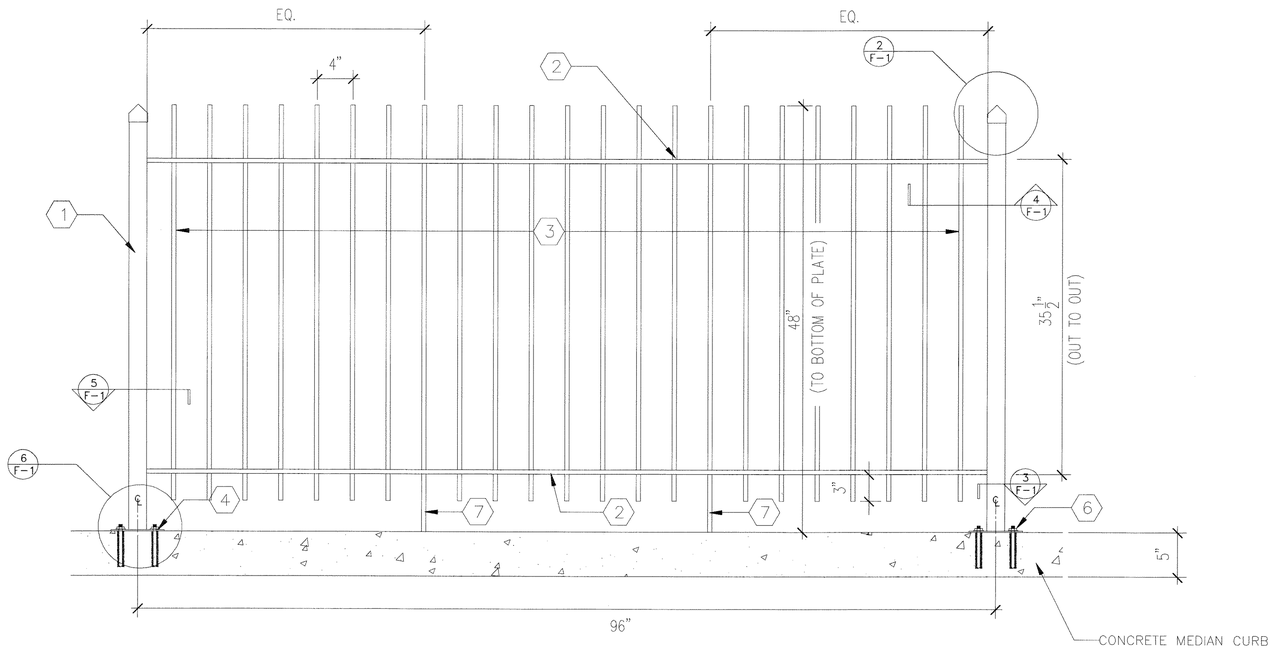
SOUTH CAROLINA DAVIS & FLOYD, INC. No. C00538 CERTIFICATE OF AUTHORIZATION

SCALE: 20.0000 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
FILE: J:\Jobseven\13142-01\C\F_DGN\PLPR\PM3.dgn
PEN TABLE: V8-COLA-3RD.tbl

CONSTRUCTION PLANS

FED. ROAD DIV.NO.	STATE	COUNTY	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	RICHLAND	US-21 CON	S1	

FOR INFORMATION ONLY



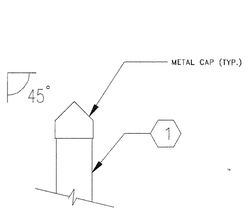
GENERAL NOTES :

A. ALL MEMBERS ARE TO BE A36 STEEL.
B. ALL STEEL MEMBERS ARE TO BE POWDER-COATED WITH A BLACK SATIN FINISH.
C. FENCE SLOPE DEPENDS ON ROAD/MEDIAN GRADE.
D. CONTRACTOR TO PROVIDE SHOP DRAWING FOR APPROVAL.
E. CONTRACTOR TO SUPPLY SHOP DRAWING BY REGISTERED SC PROFESSIONAL ENGINEER.

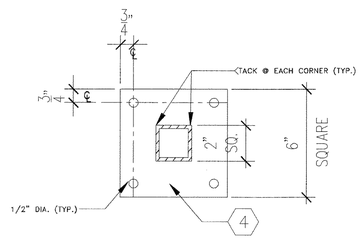
FENCING NOTES :

1. 2" SQUARE STEEL TUBE LINE POST W/ CAP (TYPICAL).
2. 1 1/2" X 1/2" 1/8" TOP AND BOTTOM STEEL CHANNEL (TYPICAL).
3. 1/2" X 1/2" SQUARE STEEL BAR PICKET – 46" LONG 4" ℄ TO ℄ (TYPICAL).
4. 6" X 6" X 1/4" STEEL PLATE – SEE DETAIL 3/F-1 AND 6/F-1.
5. PUNCH 9/16" SQUARE HOLE IN TOP AND BOTTOM CHANNEL FOR PICKETS.
6. 3/8" x 4" ANCHOR BOLT (TYP.) WITH LOCKER WASHERS AND NUT; CORE DRILL & SET WITH NON-SHRINK EPOXY GROUT.
7. EXTEND PICKET TO REST ON CONCRETE CURB FOR INTERIM CHANNEL SUPPORT.

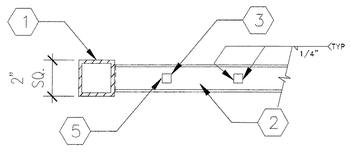
1/F-1 TYPICAL FENCE SECTION ELEVATION
SCALE: 1 1/2" = 1' -0 "



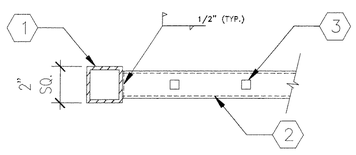
2/F-1 LINE POST TOP DETAIL
SCALE: 3" = 1' -0 "



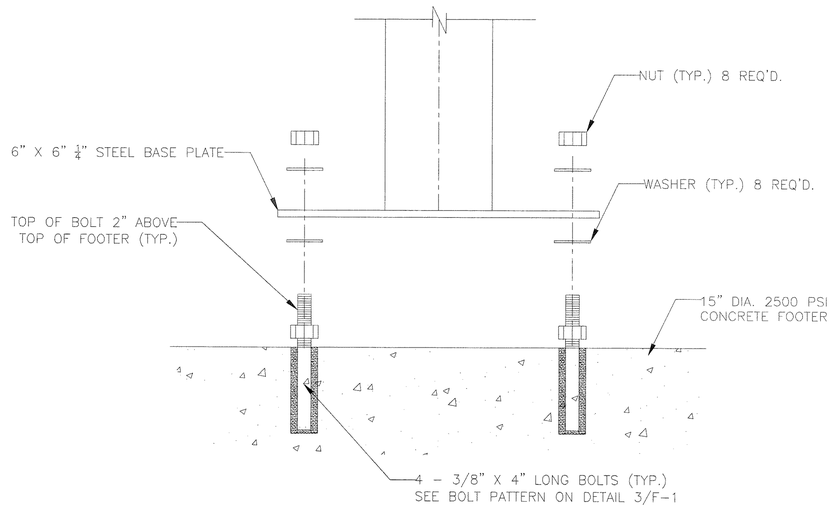
3/F-1 STEEL PLATE DETAIL
SCALE: 3" = 1' -0 "



4/F-1 TOP/BOTTOM CHANNEL DETAIL
SCALE: 3" = 1' -0 "



5/F-1 CONNECTION AT LINE POST
SCALE: 3" = 1' -0 "



6/F-1 CONNECTION AT STEEL PLATE & FOOTER DETAIL
SCALE: HALF FULL SIZE

NOTE: PROVIDE GROUT INFILL AS REQUIRED AT TOP OF FOOTER WHERE BASE PLATE IS ADJUSTED TO EXISTING SITE CONDITIONS.

UNIVERSITY OF SOUTH CAROLINA
FENCE DETAIL SHEET
BLOSSOM ST

REV. NO.	BY	DESCRIPTION OF REVISION	DATE
1			
2			
3			
4			

DCN. ____ DATE ____
R/W ____ DATE ____
CHK. ____ DATE ____

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SCALE: 0.3333 ' / in.
PLOT DRIVER: 3rd of V8-RW DGN.plt
PLOTTED: 9/26/2013
PEN TABLE: V8-COLA-3RD.TBL
FILE: J:\Jobseven\13342-01\C\F_DGN\PLPR\S1.dgn