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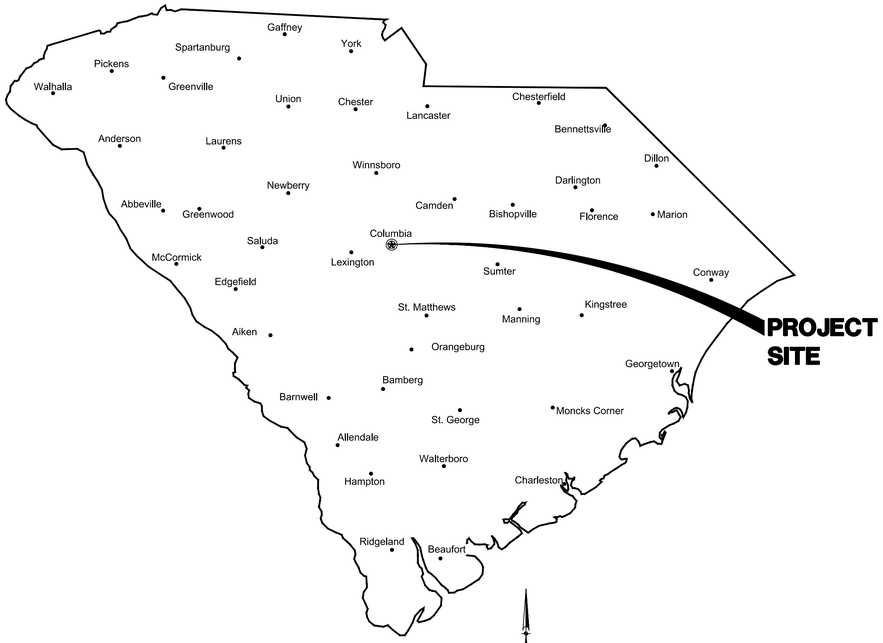


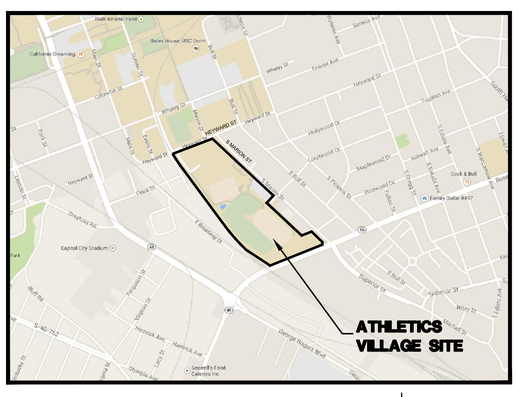
VICINITY MAP

ATHLETICS VILLAGE MISCELLANEOUS REPAIRS

PREPARED FOR

UNIVERSITY OF SOUTH CAROLINA

COLUMBIA, SOUTH CAROLINA



LOCATION MAP

SCALE: 1" = 1,000'

SHEET INDEX

SHEET	SHEET No.
COVER SHEET	N/A
GENERAL NOTES, LEGEND, SYMBOLS & ABBREVIATIONS	1
SITE IMPROVEMENT PLAN	2-4

ALL WORK FOR THE PROJECT MUST CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, INCLUDING ALL APPLICABLE SUPPLEMENTAL SPECIFICATIONS. PAY ITEMS AND PAYMENT/BID METHOD SHALL BE AS DESCRIBED IN THE OWNER'S REQUEST FOR BID.

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

South Carolina 811 Call 811 Before you Dig

PALMETTO UTILITY PROTECTION SERVICE, INC. (PUPS)

ALL UTILITIES MAY NOT BE A MEMBER OF PUPS, COORDINATE WITH LOCAL UTILITY COMPANIES FOR MARKING OF THEIR UTILITIES ALSO.

USC PROJECT NO.
CP500003002

BID DOCUMENTS

THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

SEAL: SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION URS CORPORATION No. C00934

DATE: 5-24-16

SOUTH CAROLINA PROFESSIONAL ENGINEER LICENSED No. 30367 MATTHEW DAVID STEWINGS

SIGNATURE

URS
an AECOM company.
101 Research Drive
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www.aecom.com

ATHLETICS VILLAGE
MISCELLANEOUS REPAIRS
PREPARED FOR
THE UNIVERSITY OF
SOUTH CAROLINA

MAY 24, 2016

PROJECT NO.
60491295

FILE NO.
36,761-B92

N:\PROJECTS\60491295_USC_ROOST_DORM - PARKING LOT REPAIRS\900-WORK\310-DRAWINGS\SHEETS\SD-COVER.DWG 5/24/2016 1:23:42 PM

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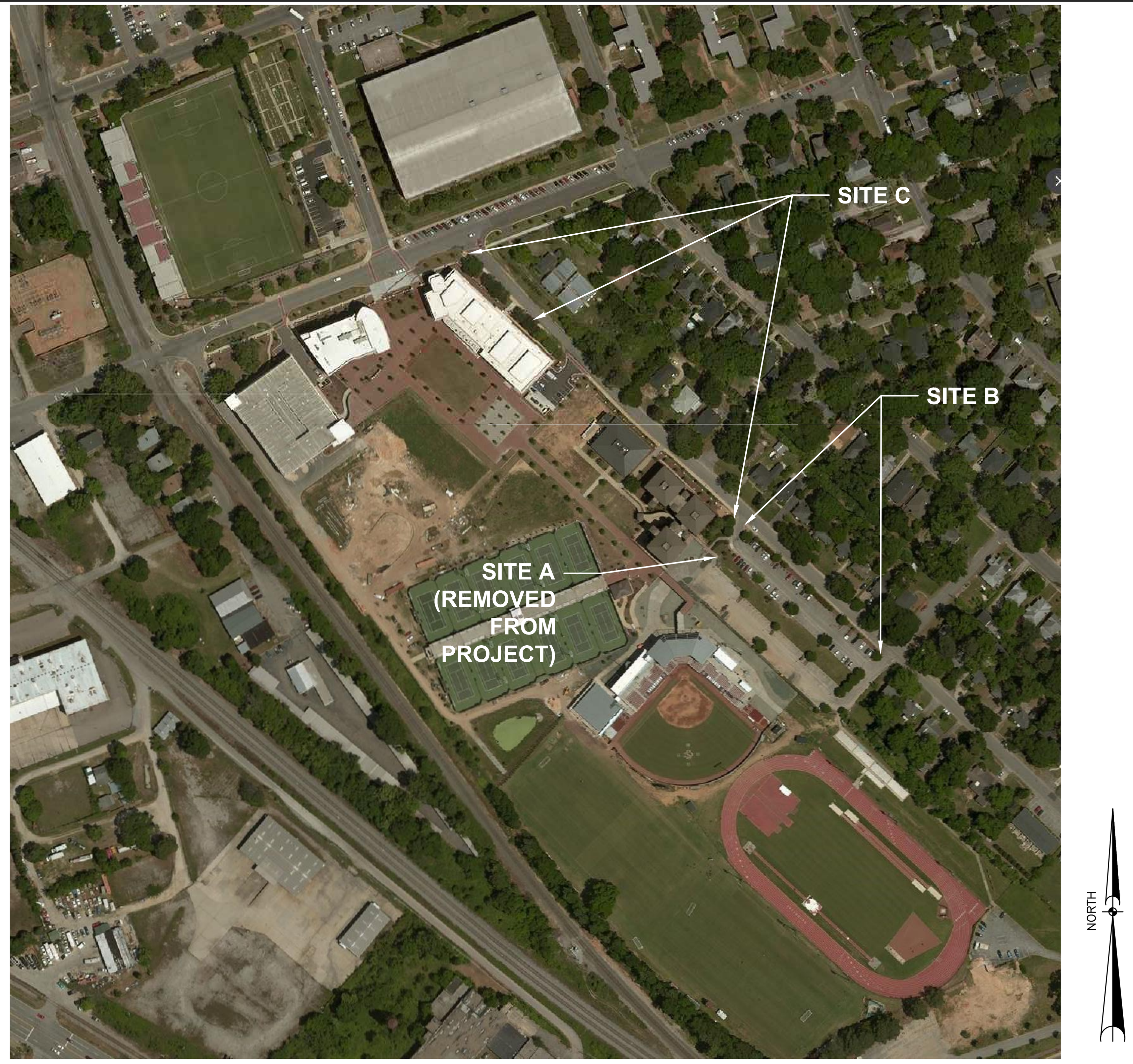
ABBREVIATION	WORD
A	
AGGR	AGGREGATE
&	AND
APPD	APPROVED
APPROX	APPROXIMATE
A	AREA
ASPH	ASPHALT
@	AT
AUTH	AUTHORIZED
AVE	AVENUE
AVG	AVERAGE
AZ	AZIMUTH
B	
BL	BASE LINE
BRG	BEARING
BM	BENCH MARK
BES	BEVELED END SECTION
BET.	BETWEEN
BS	BOTH SIDES
BOT	BOTTOM
B/	BOTTOM OF
BC	BOTTOM CHORD
BDY	BOUNDARY
BRK	BREAK
BRDG	BRIDGE
BLDG	BUILDING
BV	BALL VALVE
BFV	BUTTERFLY VALVE
C	
CALC	CALCULATE
CB	CATCH BASIN
CIP	CAST-IN-PLACE
CI	CAST IRON
CAT.	CATALOG
CEM	CEMENT
CTR	CENTER
CL	CENTERLINE
CG	CENTER OF GRAVITY
C to C	CENTER TO CENTER
CHAM	CHAMFER
CO	CHANGE ORDER
CHAN	CHANNEL
CHK	CHECK
CV	CHECK VALVE
CHD	CHORD
CIR	CIRCLE
CIR	CIRCULAR
CIRC	CIRCUMFERENCE
CO	CLEANOUT
CW	CLOCKWISE
CTD	COATED
COL	COLUMN
COMB.	COMBINATION
CO	COMPANY
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
COND	CONDITION
CONN	CONNECT
CONT	CONTINUOUS
CD	CORD
CORP	CORPORATION
XSECT	CROSS SECTION
CU	CUBIC
CC	CUBIC CENTIMETER
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CU FT	CUBIC FOOT
CU IN.	CUBIC INCH
CU M	CUBIC METER
CU YD	CUBIC YARD
CUR	CURRENT
D	
DEC	DECIMAL
DEG (OR °)	DEGREE
DEPT	DEPARTMENT
DSGN	DESIGN
DET	DETAIL
DEV	DEVELOP
DI	DROP INLET
DIAG	DIAGONAL
DIA (OR ø)	DIAMETER
DIM.	DIMENSION
DISCH	DISCHARGE
DIST	DISTANCE
DO	DITTO
DN	DOWN
DFTG	DRAFTING
DWG	DRAWING
DR	DRIVE
DI	DUCTILE IRON
DIP	DUCTILE IRON PIPE
E	
EA	EACH
EF	EACH FACE
ES	EACH SIDE
EW	EACH WAY
E	EAST
EFF	EFFECTIVE
ELL	ELBOW
ELEC	ELECTRIC
ELEV	ELEVATION
ENGR	ENGINEER
EQ	EQUAL
EQUIP. (OR EQ)	EQUIPMENT
EQUIV	EQUIVALENT
EST	ESTIMATE
EXP	EXPANSION
EJ	EXPANSION JOINT
EXT	EXTERIOR
F	
FES	FLARED END SECTION
F to F	FACE TO FACE
FT (OR ')	FEET
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FLD	FIELD
FIG.	FIGURE
F CONT.	
FIL	FILLET
FLT	FILTER
FIN.	FINISH
FF	FINISH FLOOR
FH	FIRE HYDRANT
FLG	FLANGE
FL	FLUID
FWD	FORWARD
FDN	FOUNDATION
FM	FORCEMAIN
FREQ	FREQUENCY
FR	FRONT
G	
GAL	GALLON
GALV	GALVANIZE
GEN	GENERAL
GR	GRADE
GL	GRADE LINE
G	GRAVITY
GRD	GROUND
H	
HDPE	HIGH DENSITY POLYETHYLENE
H.P.	HIGH POINT
HOR	HORIZONTAL
HR	HOUR
HW	HEADWALL
HYD	HYDRAULIC
I	
IN. (OR ")	INCH
IPS	INCHES PER SECOND
INCL	INCLUDE
IND	INDUSTRIAL
INFO	INFORMATION
ID	INSIDE DIAMETER
IF	INSIDE FACE
IINT	INTERSECT
INV	INVERT
I	IRON
J	
JCT	JUNCTION
JB	JUNCTION BOX
L	
LAT	LATITUDE
LT	LEFT
L.P.	LOW POINT
M	
MH	MANHOLE
MAN.	MANUAL
MFR	MANUFACTURE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MED	MEDIAN
MET.	METAL
M	METER
MI	MILES
MPH	MILE PER HOUR
MIN	MINIMUM
MIN (OR ')	MINUTE
MISC	MISCELLANEOUS
MOD	MODEL
MULT	MULTIPLE
N	
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NOM	NEUTRAL
NOR	NORMAL
N	NORTH
NTS	NOT TO SCALE
NO. (OR #)	NUMBER
O	
O/C	ON CENTER
O/S	OFFSET
OP'NG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OA	OVERALL
OHP	OVERHEAD POWER
OVF	OVERFLOW
P	
PERM	PERMANENT
PERP	PERPENDICULAR
PL	PROPERTY LINE
LB (OR #)	POUND
PSI	POUNDS PER SQUARE INCH
PWR	POWER
PFD	PREFERRED
PREP	PREPARE
PRESS.	PRESSURE
PCO	PRESSURE CLEANOUT
PT	PRESSURE TREATED
PROC	PROCESS
PROD	PRODUCTION
PF	PROFILE
PROJ	PROJECT
R	
R	RADIUS
RR	RAILROAD
RECD	RECEIVED
REC	RECORD
REF	REFERENCE
REF L	REFERENCE LINE
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCING
REM	REMOVE
REQ	REQUIRE
REQD	REQUIRED
REV	REVISION(REVISED)
RJ	RESTRAINED JOINT
RRMP	RAILROAD MILE POST
RT	RIGHT
RH	RIGHT HAND
R/W	RIGHT OF WAY
S	
SCH	SCHEDULE
SL	SEA LEVEL
SEC (OR ")	SECOND
SECT	SECTION
SD	STORM DRAIN
SHW	STRAIGHT HEADWALL
SIM	SIMILAR
S	SOUTH
SQ	SQUARE
SS	SANITARY SEWER
STD	STANDARD
STA	STATION
SUR	SURFACE
SY	SQUARE YARD
SYM	SYMBOL
SW	SIDEWALK
T	
TAN.	TANGENT
TPR	TAPER
THK	THICK
KIP	THOUSAND POUND
T/	TOP OF
TOT	TOTAL
TYP	TYPICAL
U	
U	UNIT
UNO	UNLESS NOTED OTHERWISE
V	
V	VALVE
VAR	VARIABLE
VERT	VERTICAL
VOL	VOLUME
W	
WT	WEIGHT
W	WEST
W	WIDTH
W/	WITH
Y	
YD	YARD
YH	YARD HYDRANT
YI	YARD INLET
YR	YEAR



SITE A: REMOVED FROM PROJECT
SITE B: SIDEWALK/CURB/LANDSCAPING REPAIRS ALONG SOUTH MARION STREET.
SITE C: REPLACE SIDEWALK AND CURB SECTION. PAINT CURB ALONG SOUTH MARION STREET.

OVERALL SITE MAP

SCALE: 1"=200'

DETAIL REFERENCES

1 / C# — DETAIL NUMBER; SHEET WHERE DETAIL APPEARS

DETAIL
SCALE: NONE

1 / C# — DETAIL NUMBER; SHEET WHERE DETAIL IS NOTED

TYP — USED TO INDICATE THAT DETAIL IS TYPICAL AT MULTIPLE PLACES.

MATERIALS

- NEW ASPHALT PAVEMENT
- CONCRETE
- EXISTING GRADE
- FINISHED GRADE
- GRANULAR FILL (ROCK/GRAVEL)
- RIP RAP

STRUCTURE

CB – A 1

TYPE (CB); REFERENCE PROFILE ALIGNMENT (A); NUMBER (1)

PIPING

N 18 SD

N (NEW), E (EXISTING), A (ABANDONED), F (FUTURE), T (TEMPORARY); LINE SIZE (18); PIPE IDENTIFIER (SD)

IDENTIFIER	DESCRIPTION
DB	DUCT BANK
DRN	DRAIN
FM	FORCEMAIN
G	GAS
SD	STORM DRAIN
S	SANITARY SEWER
W	WATER

GENERAL NOTES

1. REFERENCE IS MADE TO THE FOLLOWING:
   A. BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEYS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA BY BP BARBER & ASSOCIATES, DATED MAY 16, 2007 THROUGH OCTOBER 4, 2007.
   B. TOPOGRAPHIC & UTILITY SURVEY UPDATE PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA BY URS CORPORATION, DATED FEBRUARY 4, 2014.
   C. SUPPLEMENTAL SURVEY PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA BY URS CORPORATION, DATED MARCH 17, 2014, REVISED OCTOBER 15, 2014.
   D. CONSTRUCTION PLANS FOR THE USC PROMENADE EXTENSION PROJECT PREPARED BY URS CORPORATION, DATED JANUARY 3, 2013, WITH REVISIONS (URS PROJECT NUMBER 07578).
   E. CONSTRUCTION PLANS FOR THE USC SOFTBALL STADIUM CONSTRUCTION PROJECT PREPARED BY URS CORPORATION, DATED MARCH 16, 2012, WITH REVISIONS (URS PROJECT NUMBER 46422193).
   F. CONSTRUCTION PLANS FOR THE USC ATHLETIC VILLAGE SAND VOLLEYBALL COURT CONSTRUCTION PROJECT PREPARED BY URS CORPORATION, DATED MAY 30, 2013, WITH REVISIONS (URS PROJECT NUMBER 46422848).
   G. CONSTRUCTION PLANS FOR THE USC OUTDOOR TRACK AND FIELD UPGRADES PREPARED BY URS CORPORATION, DATED JANUARY 14, 2015 (URS PROJECT NUMBER 46423427).
   H. TOPOGRAPHIC SURVEY UPDATE PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA BY URS CORPORATION, DATED JANUARY 20, 2015.
2. ALL ELEVATIONS SHOWN ARE BASED ON:
   HORIZONTAL: SOUTH CAROLINA STATE PLANE COORDINATE NAD 83
   VERTICAL: NAVD 88
3. VERIFY ALL FIELD CONDITIONS AND THE EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING DEMOLITION AND CONSTRUCTION. IF CONDITIONS ARE DIFFERENT FROM THAT SHOWN ON THE PLANS, STOP WORK AND NOTIFY THE ENGINEER.
4. ALL WORK FOR THE PROJECT MUST CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, INCLUDING ALL APPLICABLE SUPPLEMENTAL SPECIFICATIONS. PAY ITEMS AND PAYMENT/BID METHOD SHALL BE AS DESCRIBED IN THE OWNER'S REQUEST FOR BID.
5. PROMPTLY INFORM THE ENGINEER OF ANY DISCREPANCY DISCOVERED IN THESE DRAWINGS OR SPECIFICATIONS OR CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS.

LEGEND

	EXISTING	NEW
CONTOURS (1' & 2')	201	201
CONTOURS (5' & 10')	200	200
EDGE OF PAVEMENT		
CURB & GUTTER		
CENTERLINE OF ROADWAY		
PROPERTY LINE		
RIGHT-OF-WAY		
LIMITS OF DISTURBANCE		LOD LOD
INLET PROTECTION		
TREE		
SILT FENCE		SF
FENCE LINE	X X X X X	X X X X X
GUARD RAIL		
TREE LINE		
SURFACE DRAINAGE FLOW		
STORM DRAINAGE	18" RCP	N18SD
CATCH BASIN	CB	CB
DROP INLET	DI	DI
YARD INLET	YI	YI
JUNCTION BOX	JB	JB
SANITARY SEWER	8S	N8S
SEWER FORCE MAIN	8FM	N8FM
SEWER MANHOLE	MH	
SEWER VALVE		
AIR RELEASE MANHOLE	ARV	
SEWER CLEANOUT	CO	CO
WATER LINE	12W	N12W
FIRE HYDRANT	FH	FH
WATER METER	WM	
WATER VALVE	WV	
GAS LINE	2G	N2G
GAS VALVE	GV	
UNDERGROUND ELECTRIC	UE	
OVERHEAD POWER	OHP	
SIGN		
POWER POLE	PP	
GUY WIRE		
GUY POLE	GP	
LAMP POLE	LMP	
SERVICE POLE	SP	
LIGHT POLE	LP	
ELECTRIC MANHOLE	E	
ELECTRIC TRANSFORMER	TRN	
ELECTRIC BOX	EBOX	
UNDERGROUND TELEPHONE	UT	
TELEPHONE PEDESTAL	TPED	
TELEPHONE MANHOLE	T TMH	
UNDERGRD. CABLE TV	CTV	
CABLE TV PEDESTAL	CTV PED	
MAIL BOX	MB	
UNDERGRD. FIBER OPTIC LINE	U-FOC	

USC PROJECT NO.
CP500003002

BID DOCUMENTS
THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

REVISIONS

NO.	DESCRIPTION	DATE	BY

APPROVALS	
PROJECT ENG:	BET
DESIGNED BY:	CCS
DRAWN BY:	MDJ
CHECKED BY:	CCS
APPROVED:	MDJ

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — URS CORPORATION No. C00934
DATE: 5-24-16

SOUTH CAROLINA PROFESSIONAL ENGINEER — LICENSED — No. 30387 — MATTHEW DAVID JENNINGS
SIGNATURE

URS an AECOM company.
101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400 : Fax (803) 771-6676
www.aecom.com

SHEET TITLE: GENERAL NOTES, LEGEND, SYMBOLS, & ABBREVIATIONS
DATE: MAY 24, 2016 | SCALE: AS SHOWN

PROJECT: ATHLETICS VILLAGE MISCELLANEOUS REPAIRS
PREPARED FOR
THE UNIVERSITY OF SOUTH CAROLINA
SOUTH CAROLINA

.DWG NAME	S1-G
N.B. NO.	
REF.	
PROJECT NO.	60491295

SHEET 1 OF 4

FILE NO. 36,761-B92

N:\PROJECTS\60491295_USC ROOST DORM - PARKING LOT REPAIRS\900-WORK\910-DRAWINGS\SHEETS\S1-G.DWG 5/24/2016 1:23:57 PM

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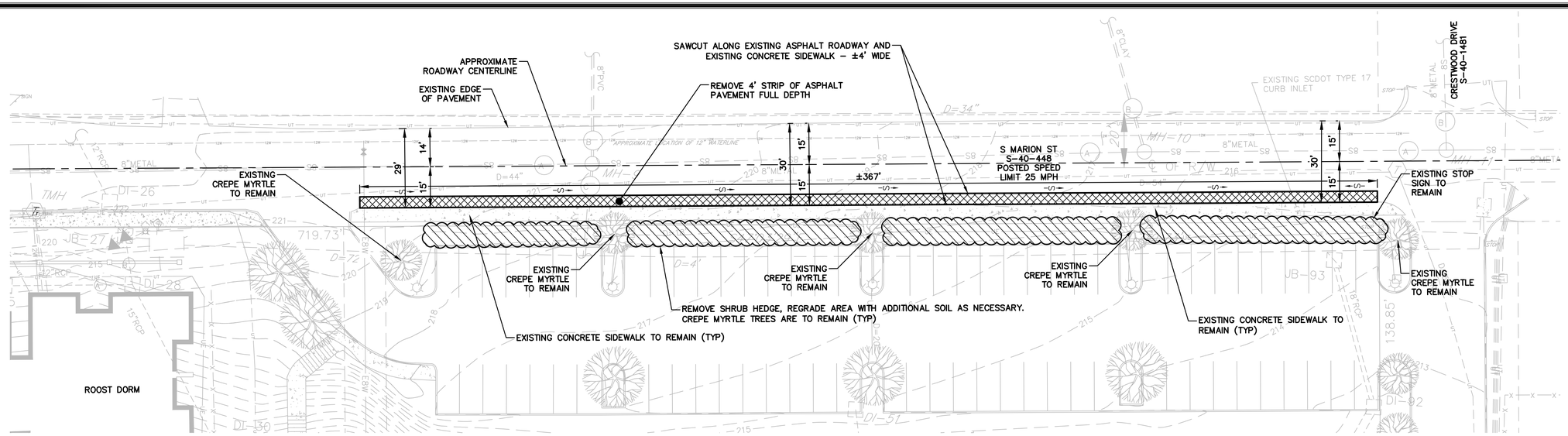
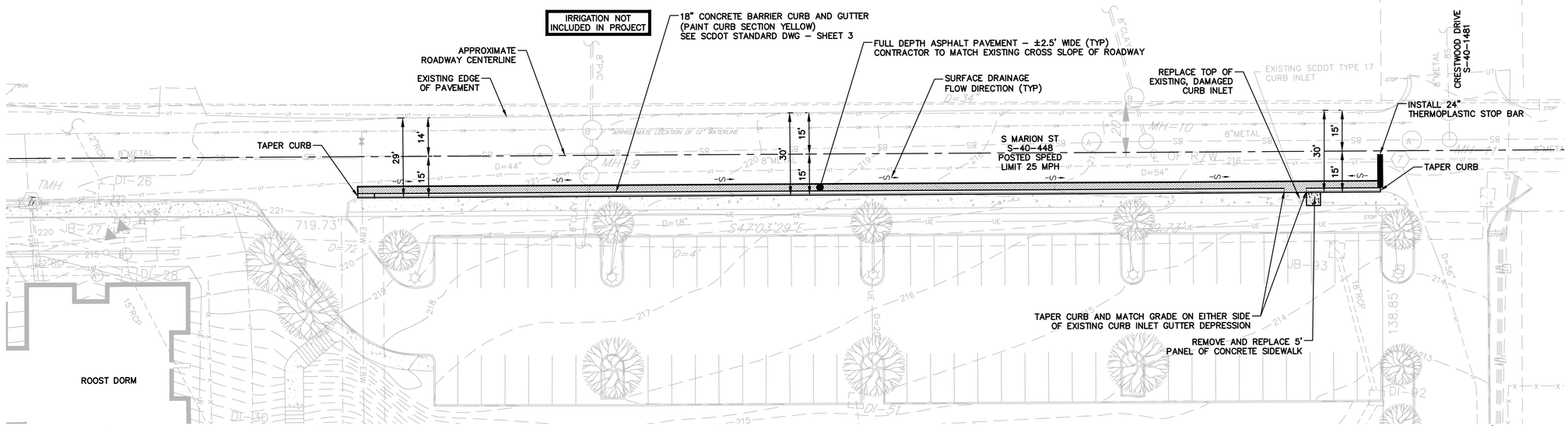


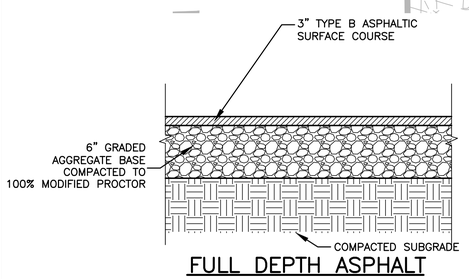
EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 20'



SITE IMPROVEMENT PLAN

SCALE: 1" = 20'



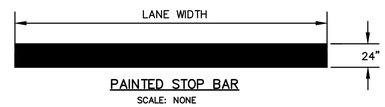
FULL DEPTH ASPHALT PAVEMENT SECTION

DETAIL 1 TYP

SCALE: NONE

NOTES:

1. ASPHALT THICKNESS NOTED SHALL BE THE FINAL COMPACTED MATERIAL THICKNESS.
2. CONTRACTOR TO FIELD VERIFY THICKNESS OF EXISTING ASPHALT PAVEMENT SECTION. IF EXISTING ASPHALT PAVEMENT SECTION HAS A GREATER THICKNESS THAN SPECIFIED IN THIS DETAIL, THEN CONTRACTOR SHALL MATCH THE THICKNESS OF THE EXISTING ASPHALT PAVEMENT SECTION.



PAINTED STOP BAR

SCALE: NONE

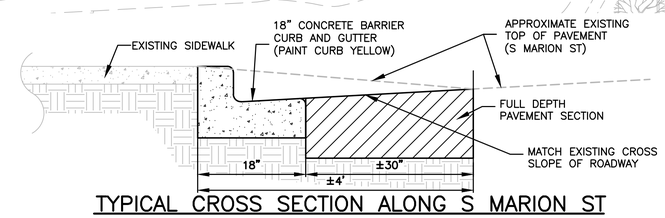
NOTES:

1. ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL MEET ALL REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND SCDOT REQUIREMENTS.
2. APPLY ALL ROADWAY STRIPING AND MARKINGS AS TEMPORARY PAINT IMMEDIATELY AFTER APPLICATION OF FINAL SURFACE.
3. APPLY ALL ROADWAY STRIPING AND MARKINGS AS PERMANENT THERMOPLASTIC WITH REFLECTIVE GLASS SPHERES NOT LESS THAN TWO WEEKS, AND NOT GREATER THAN FOUR WEEKS AFTER APPLICATION OF FINAL SURFACE COURSE

PAVEMENT STRIPING AND MARKING STANDARDS

DETAIL 3 TYP

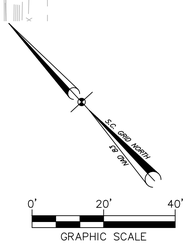
SCALE: NONE



TYPICAL CROSS SECTION ALONG S MARION ST

DETAIL 4 TYP

SCALE: NONE



NOTES

1. WHEN GRADING BETWEEN CONTOURS AND BETWEEN POINTS OF SPOT ELEVATIONS, GRADE ON A UNIFORM SLOPE.
2. CONTRACTOR TO FIELD VERIFY EXISTING SITE GRADES PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE PROJECT LIMITS.
4. PROTECT FROM DAMAGE EXISTING STRUCTURES, UTILITIES, ETC. THAT ARE TO REMAIN OR TO BE SALVAGED. REPAIR ANY DAMAGE TO EXISTING STRUCTURES, UTILITIES, ETC. TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
5. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES TO PREVENT SEDIMENT FROM LEAVING THE SITE UNTIL STABILIZATION IS ACHIEVED.
6. KEEP ALL AREAS ADJACENT TO THE SITE CLEAN DUPING CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS, REFER TO TRAFFIC CONTROL SCDOT STANDARD DWG ON SHEET 3.

USC PROJECT NO.
CP500003002

BID DOCUMENTS

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REVISIONS

NO.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT ENG:	BET
DESIGNED BY:	CCS
DRAWN BY:	MDJ
CHECKED BY:	CCS
APPROVED:	MDJ

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION URS CORPORATION No. C00934

5-24-16
DATE

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER MATTHEW DOUGLAS JENNINGS No. 30087

SIGNATURE

URS
an AECOM company:
101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400 : Fax (803) 771-0676
www.aecom.com

SHEET TITLE: SITE IMPROVEMENT PLAN SITE B

DATE: MAY 24, 2016 | SCALE: 1"=20'

PROJECT: ATHLETICS VILLAGE MISCELLANEOUS REPAIRS PREPARED FOR THE UNIVERSITY OF SOUTH CAROLINA

CITY OF COLUMBIA | SOUTH CAROLINA

DWG NAME: S3_SITE B	SHEET 2 OF 4
N.B. NO.	
REF.	
PROJECT NO. 60491295	

FILE NO. 36,761–B92

N:\PROJECTS\60491295_USC ROOST DORM - PARKING LOT REPAIRS\900-WORK\910-DRAWINGS\SHEETS\02-3-SITE B.DWG 5/24/2016 1:24:25 PM

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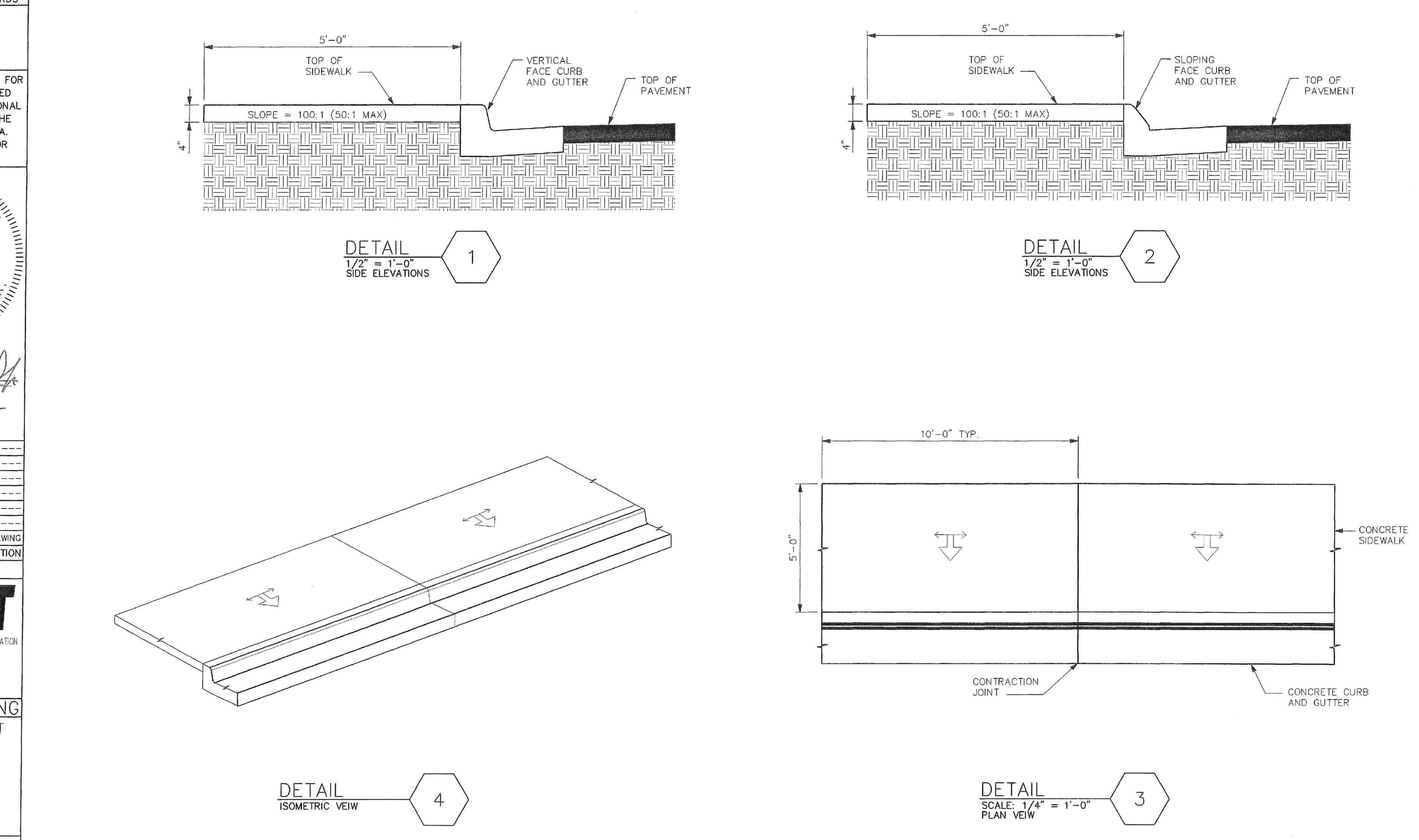
N:\PROJECTS\60491295_USC ROOST DORM – PARKING LOT REPAIRS\900-WORK\910-DRAWINGS\SHEETS\S2-3-SITE B.DWG 5/24/2016 1:27:21 PM

STANDARD DRAWING 720-150-00 – SIDEWALK ADJACENT TO CURB

NOTES:
1 SEE DRAWING 720-105-01 FOR STANDARD CURB AND GUTTER DETAILS.
2 SEE DRAWING 720-901-03 FOR SYMBOLS AND CONSTRUCTION TOLERANCE.
3 PLACE TRANSVERSE EXPANSION JOINTS (FULL DEPTH ACROSS THE ENTIRE SIDEWALK WIDTH) WHEN NEAR TURNS IN THE SIDEWALK, AND IN LONG CONTINUOUS RUNS OF SIDEWALK AS DIRECTED IN THE STANDARD SPECIFICATIONS.
4 PLACE EXPANSION JOINTS BETWEEN THE SIDEWALK EDGE AND THE BACK OF CURB WHEN ALONG A RADIUS LESS THAN 100'.
5 PLACE EXPANSION JOINTS BETWEEN THE SIDEWALK EDGE AND ANY ADJACENT STRUCTURE (RETAINING WALLS, BUILDINGS, ETC.)
6 PLACE CONTRACTION JOINTS AT REGULAR INTERVALS BETWEEN EXPANSION JOINTS NOT TO EXCEED STANDARD SPECIFICATION SPACING.
7 MEASURE SIDEWALK IN SQUARE YARDS BY THE ACTUAL PLACED AREA OF CONCRETE UP TO THE ADJACENT PAY ITEM LIMITS (CURBS, PEDESTRIAN RAMPS, DRIVEWAYS, ETC.).



REFERENCES
NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 21242 JAMES W. KENDALL, JR.

James W. Kendall Jr.
SIGNATURE
10/30/2015
DATE

#	DATE	CHK	DESCRIPTION
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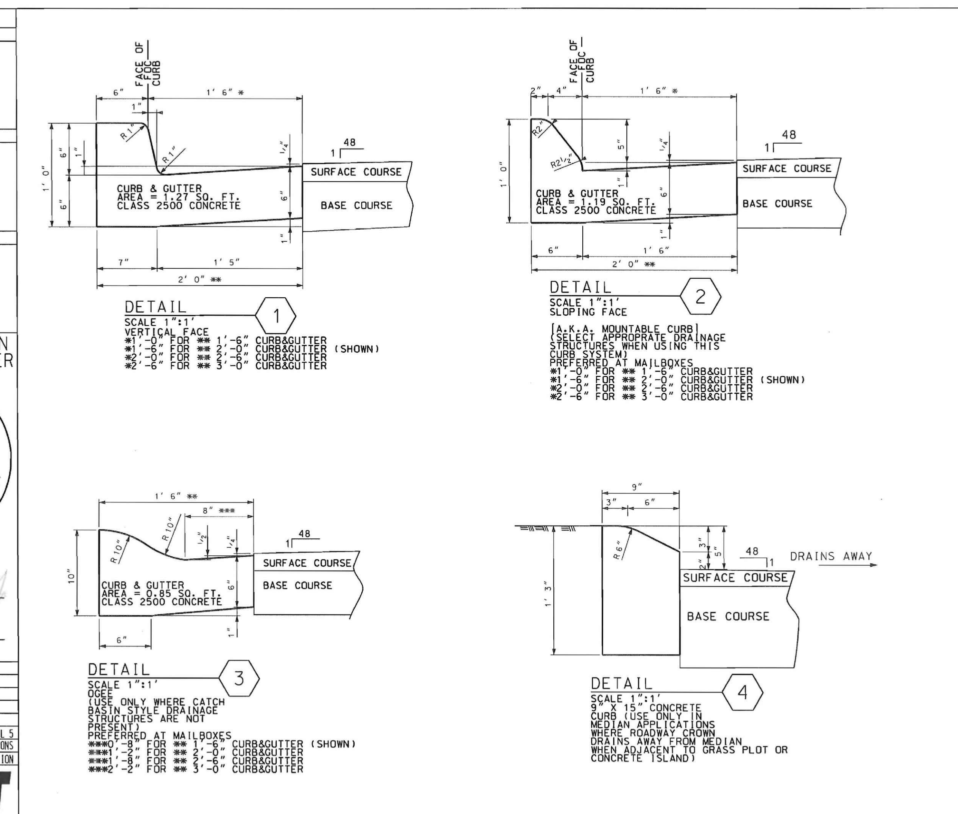
1	---	---	---
0	1/2016	DSO	NEW DRAWING

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
SIDEWALK ADJACENT TO CURB
720-150-00
EFFECTIVE LETTING DATE JAN., 2016

STANDARD DRAWING 720-105-01 – CURB & GUTTER (CONCRETE)



NOTES:
1. USE CONCRETE CURB AND GUTTER WITH VERTICAL FACE UNLESS OTHERWISE NOTED.
2. USE MINIMUM CLASS 2500 CONCRETE.
3. USE 3' TRANSITION AT END OF RADII ON INTERSECTING STREETS AND WHERE CURB IS 6 FEET OR GREATER FROM MAINLINE TRAVEL LANE.
4. USE 10' TRANSITION WHERE CURB IS LESS THAN 6 FEET FROM MAINLINE TRAVEL LANE.
5. INCLUDE COST OF WORK TO CONSTRUCT TRANSITIONS IN THE COST PER LF OF CURB AND GUTTER.
6. DEVELOP GUTTER SLOPE ON HIGH SIDE OF SUPERELEVATION AS SHOWN ON STANDARD DRAWING 150-205-00. EXCEPT ON OGEE CURB & GUTTER.
7. USE DETECTABLE WARNINGS AS REQUIRED ON STANDARD DRAWINGS 720-905-XX.
8. WHEN MAILBOXES ARE PRESENT, USE APPROPRIATE CURB TYPE. INSTALL MAILBOXES BEHIND CURB OR SIDEWALK AS SHOWN ON STANDARD DRAWING 203-905-00.
9. PAY ITEMS (MAY NOT BE COMPLETE LIST OF PAY ITEMS):
FOR CURB & GUTTER
7203110 CONCRETE CURB AND GUTTER (1'-6") VERTICAL FACE------LF
7203210 CONCRETE CURB AND GUTTER (2'-0") VERTICAL FACE------LF
7203240 CONCRETE CURB AND GUTTER (2'-6") VERTICAL FACE------LF
7203310 CONCRETE CURB AND GUTTER (3'-0") VERTICAL FACE------LF
7203120 CONCRETE CURB AND GUTTER (1'-6") SLOPING FACE ------LF
7203220 CONCRETE CURB AND GUTTER (2'-0") SLOPING FACE ------LF
7203245 CONCRETE CURB AND GUTTER (2'-6") SLOPING FACE ------LF
7203320 CONCRETE CURB AND GUTTER (3'-0") SLOPING FACE ------LF
7203130 CONCRETE CURB AND GUTTER (1'-6") OGEE -----LF
7203230 CONCRETE CURB AND GUTTER (2'-0") OGEE -----LF
7203265 CONCRETE CURB AND GUTTER (2'-6") OGEE -----LF
7203330 CONCRETE CURB AND GUTTER (3'-0") OGEE -----LF
FOR CURB ONLY
7201000 CONCRETE CURB (9"x 15") ----LF
FOR CONCRETE MEDIAN
7206000 CONCRETE MEDIAN ------SY
7206100 CONCRETE MEDIAN OVERLAY ------SY

REFERENCES
NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
150-205-00, 720-905-02

PRECONSTRUCTION SUPPORT ENGINEER
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 21242 JAMES W. KENDALL, JR.
SIGNATURE
AUGUST 23, 2012
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
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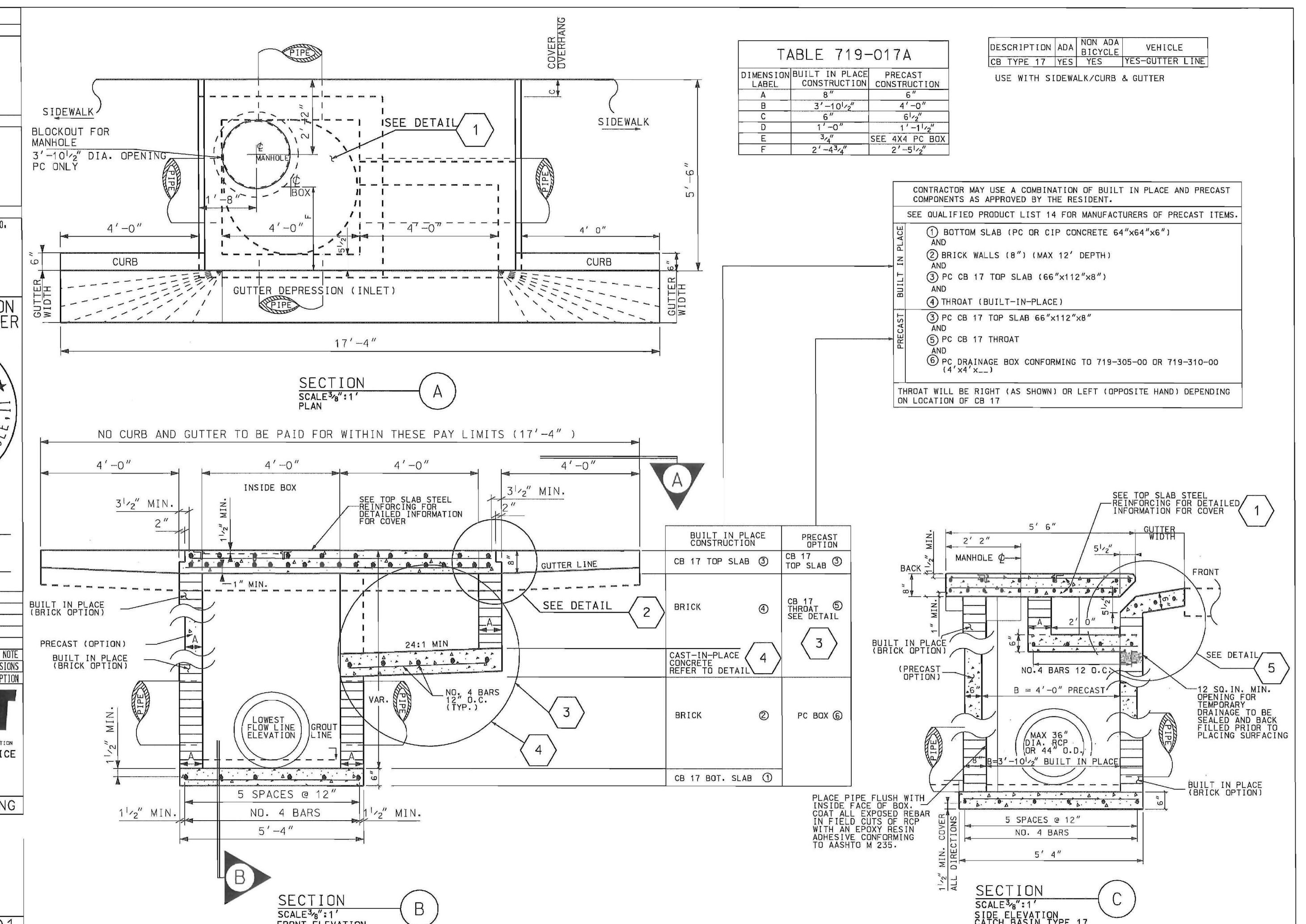
2			
1	8/2012	DSO	REMOVED DETAIL 5
0	3/2009	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
CURB & GUTTER (CONCRETE)
720-105-01
EFFECTIVE LETTING DATE JAN. 2013

STANDARD DRAWING 719-017-01 – CATCH BASIN TYPE 17

REFERENCES
NATIONAL DOCUMENTS
AASHTO M 235
SCDOT DOCUMENTS
QUALIFIED PRODUCT LIST 14
RELATED DRAWINGS & KEYWORDS
719-017-01 TO 719-017-02, 719-305-00, 719-310-00



BUILT IN PLACE CONSTRUCTION	PRECAST OPTION
CB 17 TOP SLAB ③	CB 17 TOP SLAB ③
BRICK ④	CB 17 THROAT SEE DETAIL ⑤ ③
CAST-IN-PLACE CONCRETE REFER TO DETAIL ④	
BRICK ②	PC BOX ⑥
CB 17 BOT. SLAB ①	

TABLE 719-017A

DIMENSION LABEL	BUILT IN PLACE CONSTRUCTION	PRECAST CONSTRUCTION
A	8"	6"
B	3'-10½"	4'-0"
C	6"	6½"
D	1'-0"	1'-1½"
E	¾"	SEE 4X4 PC BOX
F	2'-4¾"	2'-5½"

DESCRIPTION	ADA	NON ADA BICYCLE	VEHICLE
CB TYPE 17	YES	YES	YES-GUTTER LINE

USE WITH SIDEWALK/CURB & GUTTER

CONTRACTOR MAY USE A COMBINATION OF BUILT IN PLACE AND PRECAST COMPONENTS AS APPROVED BY THE RESIDENT.
SEE QUALIFIED PRODUCT LIST 14 FOR MANUFACTURERS OF PRECAST ITEMS.

BUILT IN PLACE:
① BOTTOM SLAB (PC OR CIP CONCRETE 64"x64"x6") AND
② BRICK WALLS (8") (MAX 12' DEPTH) AND
③ PC CB 17 TOP SLAB (66"x112"x8") AND
④ THROAT (BUILT-IN-PLACE)

PRECAST:
③ PC CB 17 TOP SLAB 66"x112"x8" AND
⑤ PC CB 17 THROAT AND
⑥ PC DRAINAGE BOX CONFORMING TO 719-305-00 OR 719-310-00 (4'x4'x__)

THROAT WILL BE RIGHT (AS SHOWN) OR LEFT (OPPOSITE HAND) DEPENDING ON LOCATION OF CB 17

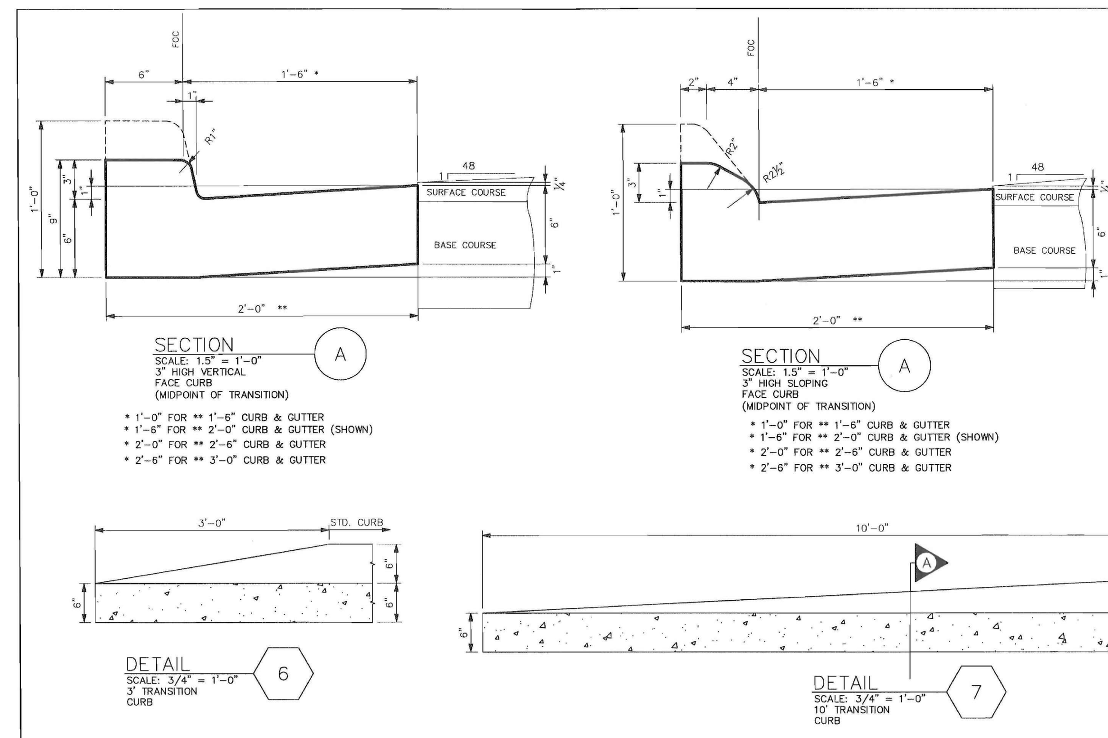
PRECONSTRUCTION SUPPORT ENGINEER
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 8858 EDWIN SYLVESTER EARGLE, II
SIGNATURE
MARCH 2, 2009
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1	3/2009	SDM	TEMP OPENING NOTE
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
CATCH BASIN TYPE 17
719-017-01
EFFECTIVE LETTING DATE MAY 2009

STANDARD DRAWING 720-105-02 – CURB & GUTTER (CONCRETE) TRANSITION CURBS AND 3" CURB AND GUTTER



NOTES:
1. SEE SHEET 720-105-01 FOR NOTES.
2. USE 3" CURBS AND GUTTER ONLY BETWEEN DUAL PEDESTRIAN RAMPS AT AN INTERSECTION WHEN NO DRAINAGE STRUCTURE IS REQUIRED AND 3" CURB IS SHOWN ON THE PEDESTRIAN RAMP STANDARD.
3. USE TRANSITION CURBS AT END OF CURB AND GUTTER SECTIONS AND WHERE DROPPED CURBS ARE REQUIRED.

REFERENCES
NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 21242 JAMES W. KENDALL, JR.
SIGNATURE
9-26-12
DATE

#	DATE	CHK	DESCRIPTION
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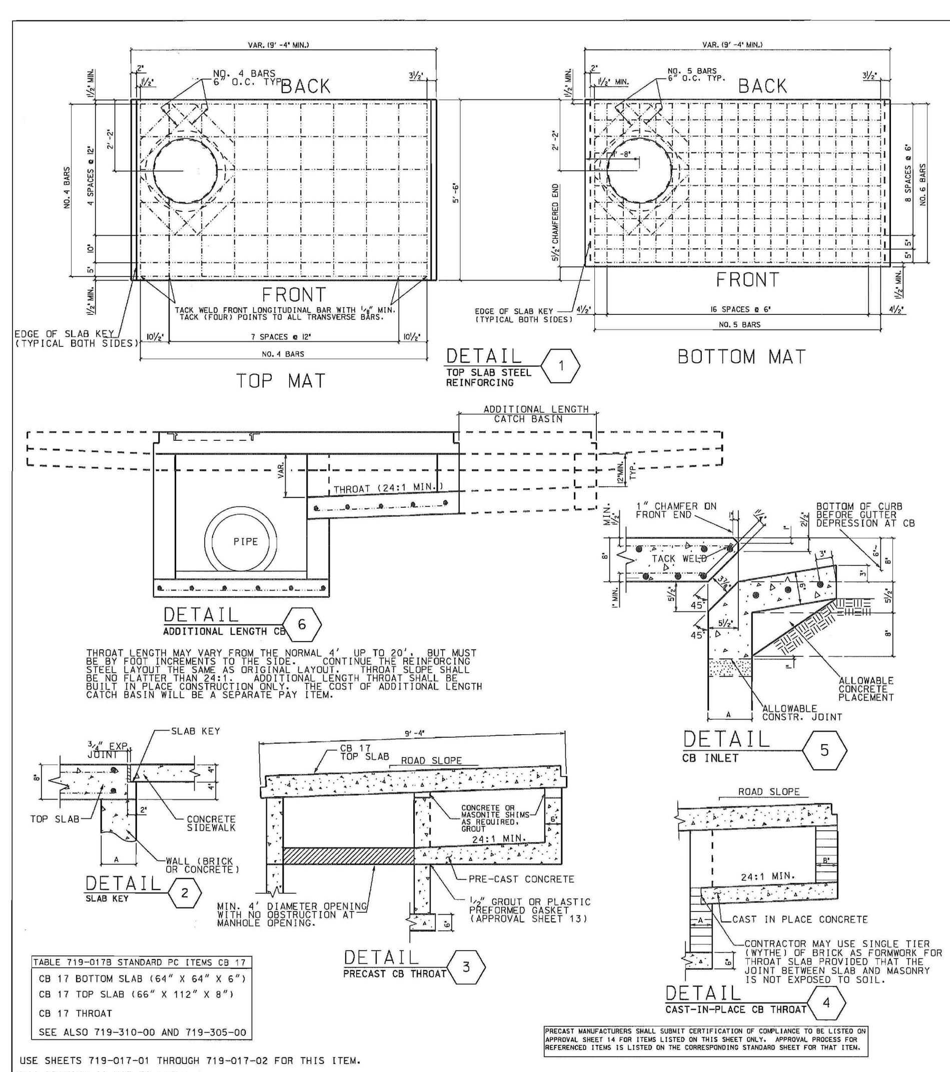
0	8/2012	DSO	NEW DRAWING

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
CURB & GUTTER (CONCRETE) TRANSITION CURBS AND 3" CURB AND GUTTER
720-105-02
EFFECTIVE LETTING DATE JAN., 2013

STANDARD DRAWING 719-017-02 – CATCH BASIN TYPE 17



THROAT LENGTH MAY VARY FROM THE NORMAL 4' UP TO 20'. BUT MUST BE BY FOOT INCREMENTS TO THE SIDE. CONTINUE THE REINFORCING STEEL LAYOUT THE SAME AS ORIGINAL LAYOUT. THROAT SLOPE SHALL BE NO FLATTER THAN 24:1. ADDITIONAL LENGTH THROAT SHALL BE BUILT IN PLACE CONSTRUCTION ONLY. THE COST OF ADDITIONAL LENGTH CATCH BASIN WILL BE A SEPARATE PAY ITEM.

TABLE 719-017B STANDARD PC ITEMS CB 17
CB 17 BOTTOM SLAB (64" X 64" X 6")
CB 17 TOP SLAB (66" X 112" X 8")
CB 17 THROAT
SEE ALSO 719-310-00 AND 719-305-00

USE SHEETS 719-017-01 THROUGH 719-017-02 FOR THIS ITEM.

THIS DRAWING IS NOT TO SCALE

PRECAST MANUFACTURERS SHALL SUBMIT CERTIFICATION OF COMPLIANCE TO BE LISTED ON APPROVAL SHEET 14 FOR ITEMS LISTED ON THIS SHEET ONLY. APPROVAL PROCESS FOR REFERENCED ITEMS IS LISTED ON THE CORRESPONDING STANDARD SHEET FOR THAT ITEM.

NOTES:
1. FOR BUILT IN PLACE CONSTRUCTION OF THE CATCH BASIN, EITHER BRICK MASONRY (WALLS ONLY) OR CIP CLASS 3000 CONCRETE MAY BE USED. FOR PRECAST CONSTRUCTION, A MINIMUM OF CLASS 4000P CONCRETE SHALL BE USED.
2. CONCRETE WALLS ARE TO BE 6" THICK WITH A MINIMUM REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT UNLESS NOTED. FOR BRICK, THE WALLS ARE TO BE 8" THICK. CONCRETE BRICK AND SIMILAR SOLID UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 55, GRADE S-I. THE INTERIOR DIMENSIONS ARE TO REMAIN AS SHOWN FOR EITHER TYPE OF CONSTRUCTION.
3. THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK REINFORCED CONCRETE (CLASS 3000 OR 4000P) WITH A REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT. WIRE MESH MAY BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM OF 0.20 SQUARE INCHES PER FOOT IS MET.
4. MORTAR SHALL BE TYPE S OR M.
5. REINFORCING STEEL SHALL BE ASTM A-706, LOW-ALLOY STEEL DEFORMED BARS FOR CONCRETE REINFORCEMENT, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.
6. SEE STANDARD DRAWING 719-550-00 FOR STEPS, WHICH ARE REQUIRED WHEN STRUCTURE DEPTH EXCEEDS 4'-6".
7. SEE STANDARD DRAWINGS 719-420-00 AND 719-425-00 FOR DEPTHS GREATER THAN 12'. PRECAST CONCRETE CIRCULAR DRAINAGE STRUCTURES ARE REQUIRED WHEN THE DEPTH FROM THE TOP OF THE DRAINAGE BOX BOTTOM SLAB TO THE TOP OF THE GROUND EXCEEDS 12'-0".
8. SEE STANDARD DRAWING 719-510-00 FOR DETAIL OF MANHOLE CASTING AND COVER. MANHOLE SHALL BE LINED UP WITH THE INTERIOR OF THE BOX AS SHOWN.
9. LOCATION AND SIZE OF PIPES ARE SITE SPECIFIC. (SEE DRAINAGE PLANS). THE BOTTOM OF THE CATCH BASIN IS TO BE GROUTED TO THE LOWEST FLOW LINE ELEVATION OF ALL PIPES. IF BOTTOM SLAB IS CAST IN PLACE WITH PIPES INSTALLED, BOTTOM SLAB THICKNESS MUST BE ACHIEVED BEYOND PIPE OUTSIDE DIAMETER.
10. THE CONTRACT UNIT PRICE FOR CATCH BASINS SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS, (BUILT IN PLACE OR PRECAST), AND WORK INCIDENTAL TO THE CONSTRUCTION OF THE STRUCTURE COMPLETE IN PLACE AS SHOWN, INCLUDING THE CURB AND GUTTER, IN ACCORDANCE WITH THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
11. SPECIAL ATTENTION SHOULD BE GIVEN TO THE COMPACTION OF THE SOIL UNDER THE 6" OR 6½" COVER OVERHANG ON THE BACK OF THE CATCH BASIN, AND UNDER ANY OPTIONAL PRECAST ITEMS USED.
12. THE SLOPE ON TOP OF CATCH BASIN IS TO MATCH ADJACENT SIDEWALK OR 50:1 TOWARD ROADWAY WHERE NO SIDEWALK IS PRESENT.
13. WHEN IT IS NECESSARY TO PLACE A CATCH BASIN IN A RADIUS, THE FACE OF THE CATCH BASIN TOP SHALL CONFORM TO THE HORIZONTAL CURVATURE OF THE ADJACENT CURB WHEN THE RADIUS IS 250 FEET OR LESS. OTHERWISE, THE TOP SHOULD BE RECTANGULAR WITH SQUARE CORNERS. IN ALL CASES, THE BACK OF THE CATCH BASIN TOP SHOULD FOLLOW THE SAME ALIGNMENT AS ITS FACE.
14. SEE STANDARD DRAWING 719-305-00 OR 719-310-00 FOR MAXIMUM PIPE DIAMETERS. THE PIPE SIZES SHOWN ARE MAXIMUM FOR BRICK AND PRECAST BOXES WHEN PIPE ENTERS PERPENDICULAR AND AT THE CENTER OF THE BOX WALL. CONTRACTOR SHOULD CONFIRM THAT PIPE USED FITS APPROPRIATELY INTO BOX.

PRECAST NOTES:
15. SUPPLY PRECAST CONCRETE COMPONENTS FOR DRAINAGE ITEMS AT EACH LOCATION FROM A SINGLE SOURCE PRECAST MANUFACTURER THAT HAS BEEN INSPECTED AND APPROVED BY THE MATERIALS AND RESEARCH ENGINEER. SUPPLY ALL INTERCHANGEABLE PRECAST PARTS ON ENTIRE PROJECT FROM A SINGLE SOURCE MANUFACTURER LISTED ON QUALIFIED PRODUCT LIST 14 UNLESS APPROVED BY RCE. ITEMS FROM MULTIPLE MANUFACTURERS SHOULD NOT BE INSTALLED IN INDIVIDUAL LOCATIONS.
16. THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX OR STRUCTURE FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
17. LIFT HOLES AND/OR DEVICES MAY BE PLACED AS NECESSARY. ALL LIFT HOLES SHALL BE GROUTED SHUT PRIOR TO COMPLETION OF THE INSTALLATION. ALL LIFTING METHODS MUST MEET OSHA REGULATIONS.
18. PRECAST TOP SLAB TO BE MANUFACTURED WITH 1" CHAMFER OR RADIUS ON TOP OF FRONT END IN ORDER TO MORE CLOSELY MATCH TOP OF CURB RADIUS.
19. IF PRECAST THROAT IS USED, THE THROAT OPENING SHALL NOT OBSTRUCT THE MANHOLE OPENING.
20. THE CONTRACTOR SHALL USE A SINGLE SOURCE MANUFACTURER CHOSEN FROM THE LIST ON QUALIFIED PRODUCT LIST 14 FOR ITEMS ON THIS DRAWING.
21. PRECAST MANUFACTURER SHALL FOLLOW QUALIFIED PRODUCT POLICY 14.
22. CONTRACTOR MAY SUBMIT DESIGN DRAWINGS AND CALCULATIONS FOR MODIFICATIONS TO THIS ITEM ON A PROJECT BY PROJECT BASIS. MODIFICATIONS TO THESE ITEMS WILL NOT BE LISTED ON ANY QUALIFIED PRODUCT LIST. SUBMIT ALL PROPOSALS FOR PROJECT SPECIFIC MODIFICATIONS TO THE RESIDENT ENGINEER FOR REVIEW BY THE ENGINEER OF RECORD.
23. JOINTS BETWEEN INSTALLED PIECES AND PRECAST ITEMS TO BE PLACED SHALL BE SEALED WITH A ½" GROUT LIFT OR AN APPROPRIATE PLASTIC PREFORMED GASKET (FROM QUALIFIED PRODUCT LIST 14.)
24. TOP SLAB MUST BE IN LINE WITH BOTH THE ROAD SLOPE (SHOW ON ROAD PLANS) AND THE SIDEWALK SLOPE (TYPICALLY 50:1).

PRECAST INSTALLATION NOTES:
25. BED SHALL BE PREPARED AND COMPACTED FOR PRECAST DRAINAGE STRUCTURE AS REQUIRED BY SCDOT STANDARD SPECIFICATIONS FOR PRECAST ITEMS. ELEVATION OF BEDDING MATERIAL SHALL BE APPROPRIATE TO ACCOMODATE ELEVATION OF ALL PIPES AND REQUIRED BOX TOP ELEVATION.
26. PLACE AND LEVEL PRECAST BOX.
27. PIPES SHALL BE INSTALLED AND GROUTED IN PLACE.
28. PIPES AND BOX SHALL BE BACKFILLED AND COMPACTED AS REQUIRED BY SCDOT STANDARD SPECIFICATIONS.
29. BED SHALL BE PREPARED AND COMPACTED FOR PRECAST THROAT AS REQUIRED BY SCDOT STANDARD SPECIFICATIONS FOR PRECAST ITEMS.
30. PRECAST THROAT SHALL BE PLACED ON BOX. JOINT SEAL SHALL BE PLACED BETWEEN THE BOX AND THE PRECAST THROAT. PRECAST THROAT WALL DIMENSIONS SHALL MATCH DIMENSIONS OF BOX WALLS IN AREAS OF CONTACT.
31. BACKFILL TO APPROXIMATE TOP OF THROAT WITH SELECT MATERIAL. ADJUST FILL AND BED LEVEL TO MATCH ELEVATION AND CROSS SLOPES.
32. BRICK AND MORTAR SHALL BE USED TO ADJUST ELEVATIONS OF THROAT WALLS AS REQUIRED TO MEET ELEVATION AND CROSS SLOPES.
33. PRECAST TOP SLAB SHALL BE PLACED ON THROAT. JOINT SEAL SHALL BE PLACED BETWEEN THE THROAT TOP AND THE PRECAST SLAB. SLAB ELEVATION, CROSS SLOPE, AND ALIGNMENT SHALL MATCH CAST IN PLACE SIDEWALK DIMENSIONS AS REQUIRED ON PLANS.
34. ANY LOCATION WHERE THE ABOVE REQUIREMENTS CANNOT BE MET SHALL BE COMPLETED USING CAST IN PLACE MATERIALS MEETING THE REQUIREMENTS OF THIS STANDARD DRAWING. ANY ADDITIONAL MATERIALS OR COSTS ASSOCIATED WITH THE USE OF PRECAST SHALL BE PAID FOR BY THE CONTRACTOR AND MAY NOT BE CHARGED TO SCDOT.
35. PRECAST THROAT FOR CATCH BASIN TYPE 17 MUST BE INSTALLED WITH RESPECT TO DIRECTION OF WATER FLOW (I.E. THROAT INLET MUST BE UPHILL FROM BOX).
36. PRECAST CONCRETE CIRCULAR STRUCTURES (AS SHOWN ON 719-420-00) ARE REQUIRED FOR THE FOLLOWING APPLICATIONS UNLESS PROHIBITED BY THE PLANS OR SPECIAL PROVISIONS.
(a) ON DRAINAGE STRUCTURES WITH A DEPTH EQUAL TO OR GREATER THAN 12 FEET.
(b) ON DRAINAGE STRUCTURES WHERE THE FLOW LINE ELEVATION OF THE INLET PIPE IS EQUAL TO OR HIGHER THAN THE INSIDE TOP (SOFFIT) OF THE OUTLET PIPE.
(c) AS REQUIRED BY THE PROJECT PLANS.
37. THE PAY ITEMS SHALL BE:
CATCH BASIN TYPE 17 ------------EA.
ADDITIONAL LENGTH CATCH BASIN ------------EA.

REFERENCES
NATIONAL DOCUMENTS
ASTM C55, ASTM A706, AASHTO M55, AASHTO M221
SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
719-017-01 TO 719-017-02, 719-550-00, 719-420-00, 719-425-00, 719-510-00, 719-305-00, 719-310-00

PRECONSTRUCTION SUPPORT ENGINEER
SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 8858 EDWIN SYLVESTER EARGLE, II
SIGNATURE
MARCH 3, 2008
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1			
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
CATCH BASIN TYPE 17
719-017-02
EFFECTIVE LETTING DATE MAY 2008

STANDARD DRAWING 610-005-10 – FLAGGING OPERATIONS TWO-LANE TWO-WAY ROADWAYS WITHOUT INTERSECTIONS

DRAWING 610-005-10 NOTES
1. SEE STANDARD DRAWING NO. 610-005-00 FOR ALL GENERAL NOTES AND REQUIREMENTS.

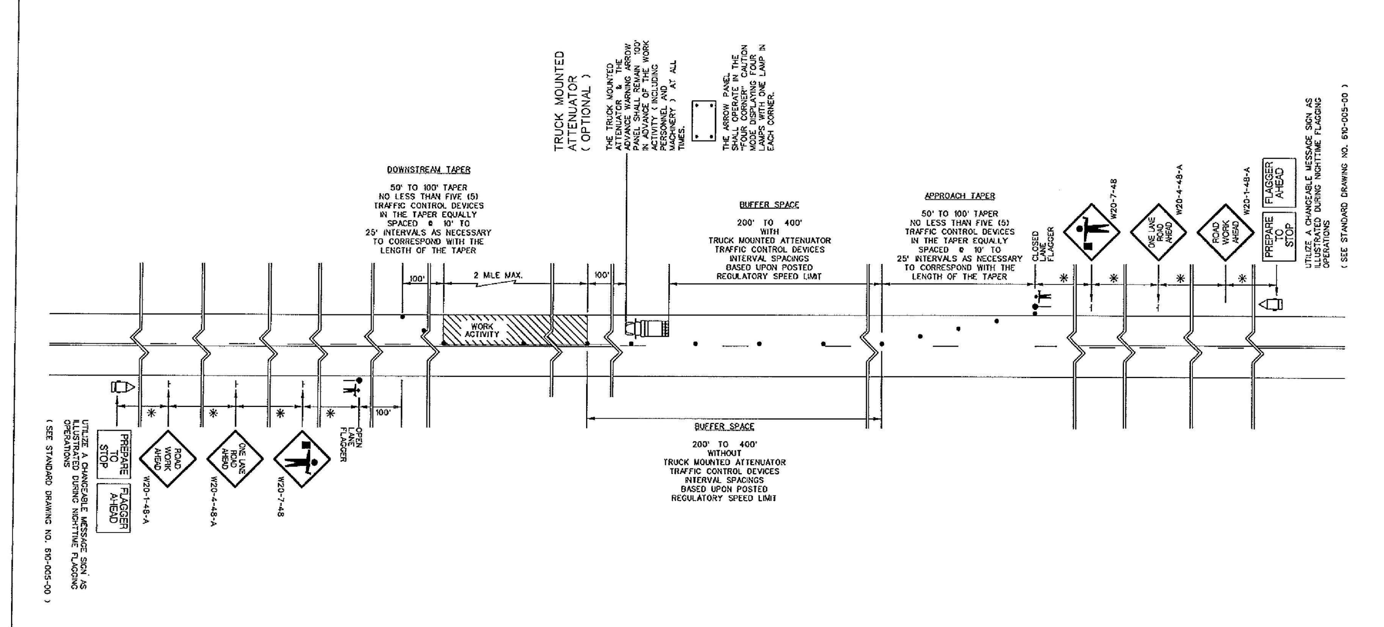


TABLE A

SIGN PLACEMENT INTERVALS	
SPEED LIMIT	*
# ≤ 35 MPH LOW SPEED	200
# 40 - 50 MPH INTERMEDIATE SPEED	350
# 55 MPH HIGH SPEED	500

REGULATORY POSTED SPEED LIMIT PRIOR TO BEGINNING WORK

TABLE B

TRAFFIC CONTROL DEVICE SPACING INTERVALS WORK ACTIVITY / BUFFER SPACE AREAS	
SPEED LIMIT	SPACING INTERVALS
≤ 35 MPH	25 FEET
40 - 55 MPH	50 FEET

THIS DRAWING IS NOT TO SCALE

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER
SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER NO. 24242 WILLIE E. McCONNELL, JR.
SIGNATURE
7/27/15
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1			
0	1-15-15	JCS	NEW DRAWING

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
FLAGGING OPERATIONS TWO-LANE TWO-WAY ROADWAYS WITHOUT INTERSECTIONS
610-005-10
EFFECTIVE LETTING DATE JAN 2016

USC PROJECT NO. CP500003002

BID DOCUMENTS
THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

REVISIONS

NO.	DESCRIPTION	DATE	BY

APPROVALS
PROJECT ENG: BET
DESIGNED BY: CCS
DRAWN BY: MDJ
CHECKED BY: CCS
APPROVED: MDJ

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION URS CORPORATION No. C00934
5-24-16
DATE

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 30387 MATTHEW DAVID JENNINGS LICENSED
SIGNATURE

URS an AECOM company.
101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400 : Fax (803) 771-6676
www.aecom.com

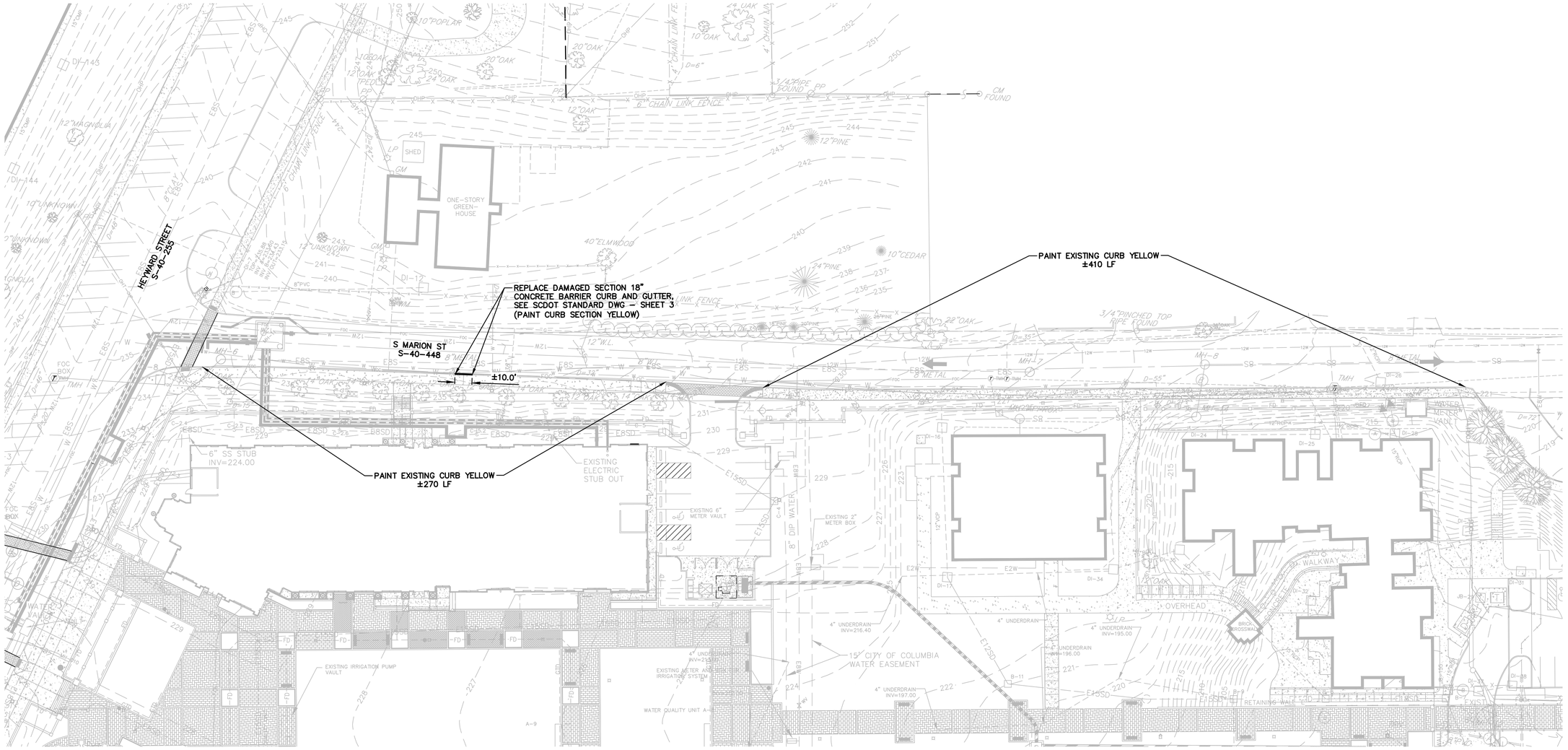
SHEET TITLE
SITE IMPROVEMENT PLAN
SITE B –
ADDITIONAL DETAILS
DATE: MAY 24, 2016 SCALE: 1"=20'

PROJECT
ATHLETICS VILLAGE
MISCELLANEOUS REPAIRS
PREPARED FOR
THE UNIVERSITY OF
SOUTH CAROLINA
CITY OF COLUMBIA SOUTH CAROLINA

.DWG NAME S3_SITE B
N.B. NO.
REF.
PROJECT NO. 60491295

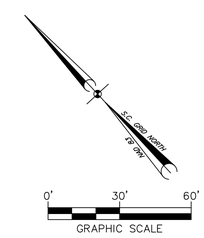
SHEET 3 OF 4

FILE NO. 36,761–B92



SITE IMPROVEMENT PLAN

SCALE: 1" = 30'



NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING SITE GRADES PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE PROJECT LIMITS.
3. PROTECT FROM DAMAGE EXISTING STRUCTURES, UTILITIES, ETC. THAT ARE TO REMAIN OR TO BE SALVAGED. REPAIR ANY DAMAGE TO EXISTING STRUCTURES, UTILITIES, ETC. TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
4. INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES TO PREVENT SEDIMENT FROM LEAVING THE SITE UNTIL STABILIZATION IS ACHIEVED.
5. KEEP ALL AREAS ADJACENT TO THE SITE CLEAN DUPING CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS, REFER TO TRAFFIC CONTROL SCDOT STANDARD DWG ON SHEET 3.

USC PROJECT NO.
CP500003002

BID DOCUMENTS

THESE DOCUMENTS ARE FOR THE PURPOSE OF SOLICITATION OF BIDS AND ARE NOT FOR USE FOR CONSTRUCTION

REVISIONS

NO.	DESCRIPTION	DATE	BY

APPROVALS

PROJECT ENG:	BET
DESIGNED BY:	CCS
DRAWN BY:	MDJ
CHECKED BY:	CCS
APPROVED:	MDJ

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION URS CORPORATION No. C00934

5-24-16
DATE

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 30387 MATTHEW DAVID JENKINS

SIGNATURE

URS
an AECOM company:
101 Research Drive
Columbia, South Carolina 29203
Telephone (803) 254-4400 : Fax (803) 771-0676
www.aecom.com

SHEET TITLE
SITE IMPROVEMENT PLAN
SITE C

DATE: MAY 24, 2016 | SCALE: 1"=30'

PROJECT
ATHLETICS VILLAGE
MISCELLANEOUS REPAIRS
PREPARED FOR
THE UNIVERSITY OF
SOUTH CAROLINA
CITY OF COLUMBIA SOUTH CAROLINA

.DWG NAME S4_SITE C	SHEET 4
N.B. NO.	OF 4
REF.	
PROJECT NO. 60491295	

FILE NO. 36,761–B92

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N:\PROJECTS\60491295_USC ROOST DORM – PARKING LOT REPAIRS\900-WORK\910-DRAWINGS\SHEETS\S4-SITE C.DWG 5/24/2016 1:25:00 PM