

This line will measure 1" when plotted to scale.

SHEET INDEX			
SHEET NO.	SHEET TITLE	ORIGINAL DATE	REVISION DATE
C-01	COVER SHEET	7/29/2026	
C-02	EXISTING CONDITIONS AND DEMOLITION PLAN	7/29/2026	
C-03	SITE LAYOUT AND GRADING PLAN	7/29/2026	
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C-05	EROSION CONTROL AND SEDIMENTATION PLAN	7/29/2026	
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BERKELEY COUNTY

ADMINISTRATION BUILDING PARKING EXPANSION

103 S. HWY 52, MONCKS CORNER, SC 29461



SITE MAP
1 inch = 100 feet

SITE INFORMATION			
TMS: 142-12-02-013	BOOK: 0825	PAGE: 0302	
OWNER INFORMATION: BERKELEY COUNTY			
1003 HWY 52			
MONCKS CORNER, SC			
ZONING: MONCKS CORNER - C-2			
PROJECT AREA:	TOTAL	DISTURBED	
	1.3 Acres	0.7	Acres
IMPERVIOUS AREA:	EXISTING	PROPOSED	
	0.80 Acres	0.76	Acres
RECEIVING WATERWAY: West Branch Cooper River (030502010701)			
FEMA FLOOD DATA: 45015C0405E, Dated 12/7/2018			

ZONING DEVELOPMENT REQUIREMENTS		
MINIMUM YARD SETBACKS:	REQUIRED	PROPOSED
FRONT:	25	25
REAR:	10	10
SIDE:	10	10
MAX. LOT COVERAGE:	EXISTING	PROPOSED
	61.4%	58.3%
MAX. HEIGHT:	70	N/A

APPLICANT INFORMATION	
ENGINEER:	BERKELEY COUNTY ENGINEERING
ADDRESS:	1003 US HIGHWAY 52 N
	MONCKS CORNER, SC 29461
	(843) 719-4398
CONTACT:	DAVID PARKER, DEPUTY COUNTY ENGINEER

ENVIRONMENTAL PERMIT INFORMATION	
USACE PERMIT	___ YES ☒ NO
NEPA DOCUMENT	___ YES ☒ NO
401 CERTIFICATION	___ YES ☒ NO
OCRM	___ YES ☒ NO
CAPC	___ YES ☒ NO
NAVIGABLE WATERS	___ SC ___ USCG ___ USACE ☒ N/A

A COPY OF THE CURRENT APPROVED PLANS SHALL BE RETAINED ONSITE FOR THE DURATION OF CONSTRUCTION FOR PURPOSES OF INSPECTION BY COUNTY PERSONNEL. THE APPROVED PLANS SHALL BE STORED IN A WEATHERPROOF PERMIT BOX OR APPROVED EQUAL THAT IS EASILY AND SAFELY ACCESSIBLE.

CERTIFICATION

"I have placed my signature and seal on the design documents submitted signifying that I accept responsibility for the design of the system. Further, I certify to the best of my knowledge and belief that the design is consistent with the requirements of Title 48, Chapter 14 of the Code of Laws of SC, 1976 as amended, pursuant to Regulation 72-300 et seq. (if applicable), and in accordance with the terms and conditions of SCRI00000."

NAME: David Parker
TITLE: Professional Engineer
DATE: July 29, 2026

PLAN SET CURRENT 07/29/2026



1003 HIGHWAY 52
P.O. BOX 1622
MONCKS CORNER, SC 29461
(843) 719-4127

Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
COVER SHEET

103 S. HIGHWAY 52, MONCKS
CORNER, BERKELEY COUNTY, SC

TMS: 142-12-02-013

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

NO.	DATE	REVISION NOTES

Scale: As shown

C-01
SHEET

This line will measure 1" when plotted to scale.



TMS #142-12-02-036
BERKELEY COUNTY
BOOK: 10658 PAGE: 0059
ZONING: MONCK'S CORNER - C-2
10.02 ACRES

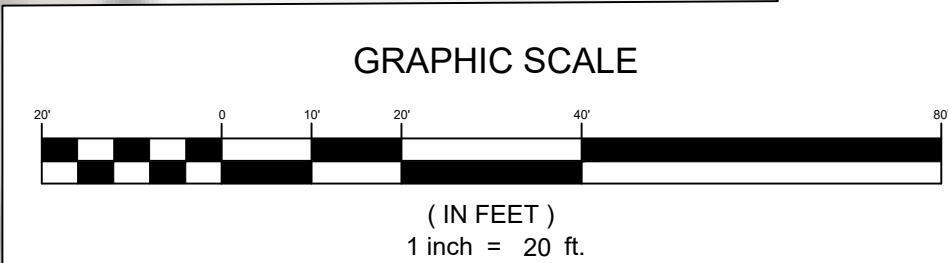
TMS #142-12-02-048
ANNA M. HAMER
BOOK: 7441 PAGE: 0092
ZONING: MONCK'S CORNER - R2
ACRES

TMS #142-12-02-014
JOHN FLOYD HAMER
BOOK: 7459 PAGE: 0303
ZONING: MONCK'S CORNER - R2
ACRES

TMS #142-12-02-012
C/O SOUTHWEST PROPERTY TAX
BOOK: 2758 PAGE: 50
ZONING: MONCK'S CORNER - C2
ACRES

TMS #142-12-02-013
W&W ASSOCIATE
BOOK: 0825 PAGE: 0302
ZONING: MONCK'S CORNER - C2
1.30 ACRES

LIMIT OF DISTURBANCE
= 0.70 ACRES



Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
EXISTING CONDITIONS
AND DEMOLITION PLAN

103 S. HIGHWAY 52, MONCK'S CORNER, BERKELEY COUNTY, SC
TMS: 142-12-02-013

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

NO.	DATE	REVISION NOTES

Scale: 1" = 20'

C-02

SHEET

This line will measure 1" when plotted to scale.



TMS #142-12-02-048
ANNA M. HAMER
BOOK: 7441 PAGE: 0092
ZONING: MONCK'S CORNER - R2
ACRES

EXTEND STORM PIPE IN KIND AS
NEEDED FOR SIDEWALK.
CONNECT TO EXISTING STORM
PIPE VIA A CONCRETE COLLAR.

TMS #142-12-02-036
BERKELEY COUNTY
BOOK: 10658 PAGE: 0059
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C/O SOUTHWEST PROPERTY TAX
BOOK: 2758 PAGE: 50
ZONING: MONCK'S CORNER - C2
ACRES

488 SF
2.5-inch-caliper
Canopy Tree (Typ.)

275 SF
3 gal. evergreen shrubs on
5'-0" center (TYP.)

LIMIT OF DISTURBANCE
= 0.70 ACRES

TMS #142-12-02-013
W&W ASSOCIATE
BOOK: 0825 PAGE: 0302
ZONING: MONCK'S CORNER - C2
1.30 ACRES



Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
SITE LAYOUT AND GRADING PLAN

TMS: 142-12-02-013

103 S. HIGHWAY 52, MONCK'S
CORNER, BERKELEY COUNTY, NC

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

NO.	DATE	REVISION NOTES

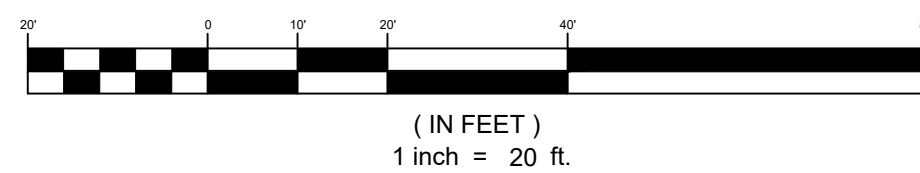
Scale: 1" = 20'

C-03
SHEET

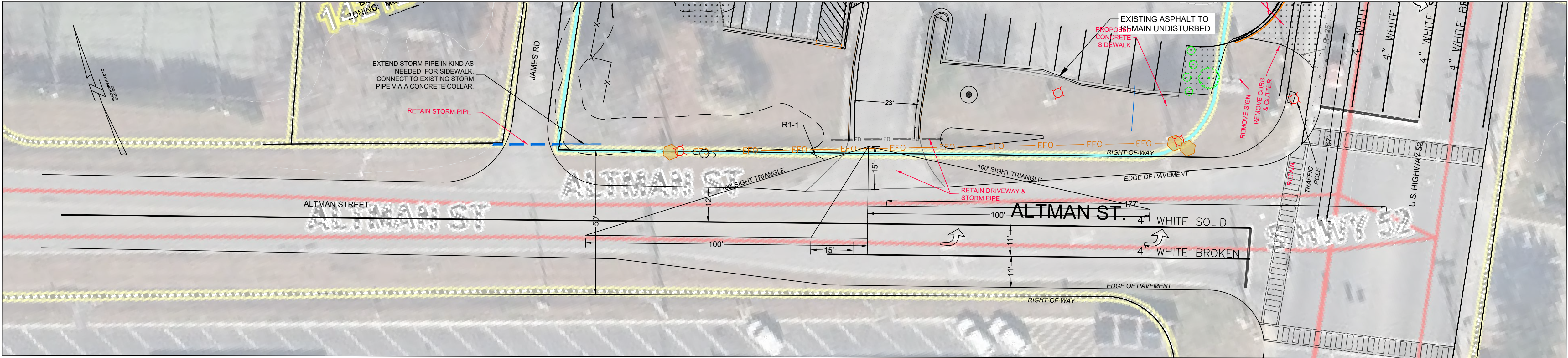
SIGN CHART		
SIGN No.	MUTCD Ref.	DESCRIPTION
1	R1-1	STOP
2	R-1-6a	IN-STREET PEDESTRIAN CROSSING - YIELD (STOP)
3	R6-2R	ONE WAY
4	R5-1	DO NOT ENTER

** ALL SIGNS TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES (MUTCD) - FHWA, LATEST EDITION.

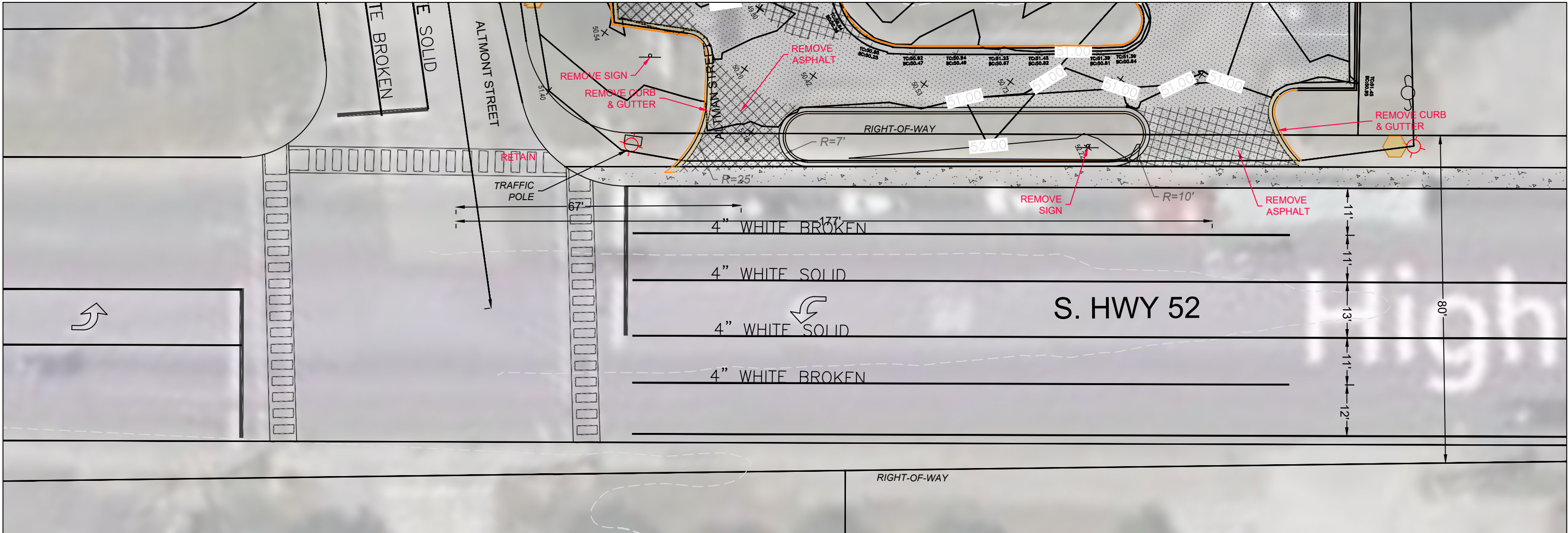
GRAPHIC SCALE



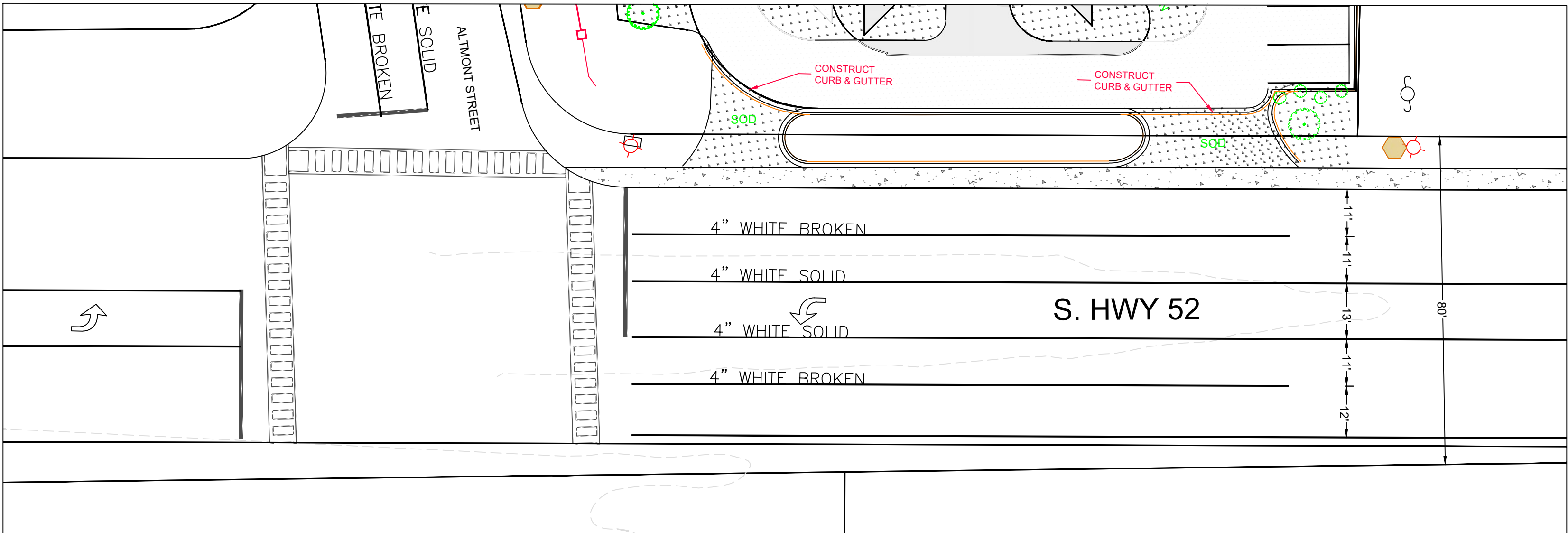
This line will measure 1" when plotted to scale.



ALTMAN STREET (S-43)
SCALE: 1" = 20'



S. HWY 52 - EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: 1" = 20'



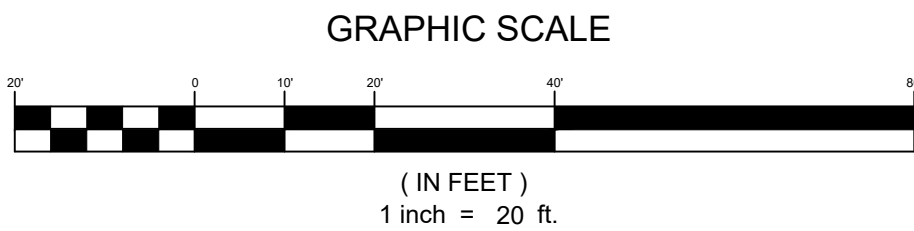
S. HWY 52 - PROPOSED LAYOUT PLAN
SCALE: 1" = 20'

TRAFFIC CONTROL NOTES:

REFERENCE SCDOT STANDARD DRAWINGS 610-005-00 AND 610-005-20 FOR SUPPLEMENTAL TRAFFIC NOTES AND MEASURES DURING CONSTRUCTION OF THIS PROJECT.

- TRAFFIC CONTROL FOR STATE ROUTES ON THIS PROJECT SHOULD ONLY BE NECESSARY DURING GRADING AND PAVING OF APRONS WITHIN SCDOT RIGHT-OF WAY AND PLACING PAVEMENT MARKINGS.
- TRAFFIC CONTROL MEASURES/DEVICES SHALL BE OF A TEMPORARY NATURE SUCH THAT THEY CAN BE REMOVED DURING TIMES OF CONSTRUCTION INACTIVITY. CONTRACTOR SHALL REMOVE LANE CLOSURE AND ALL RELEVANT TRAFFIC CONTROL DEVICES AND SIGNAGE AT THE END OF EACH WORK DAY.
- DUE TO SHORT TIME FRAME CONSTRUCTION IS EXPECTED TO TAKE PLACE WITHIN SCDOT RIGHT-OF-WAY, PORTABLE SIGNAGE MAY BE USED FOR THIS TRAFFIC CONTROL PLAN.
- CONSTRUCTION WITHIN SCDOT RIGHT-OF-WAY IS TO TAKE PLACE DURING A TIME OF THE DAY IN WHICH TRAFFIC FLOW ON STATE ROAD IS MINIMAL.
- ACCESS ALONG S. HWY 52 TO BE CLOSED OFF.

SIGN CHART		
SIGN No.	MUTCD Ref.	DESCRIPTION
1	R1-1	STOP
2	R-1-6a	IN-STREET PEDESTRIAN CROSSING - YIELD (STOP)
3	R6-2R	ONE WAY
4	R5-1	DO NOT ENTER
** ALL SIGNS TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - FHWA, LATEST EDITION.		



1003 HIGHWAY 52
P.O. BOX 1622
MONCK, SC 29461
(843) 718-1127

Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
SCDOT PERMIT PLANS

TMS: 142-12-02-013

103 S. HIGHWAY 52, MONCK,
CORNER, BERKELEY COUNTY, SC

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

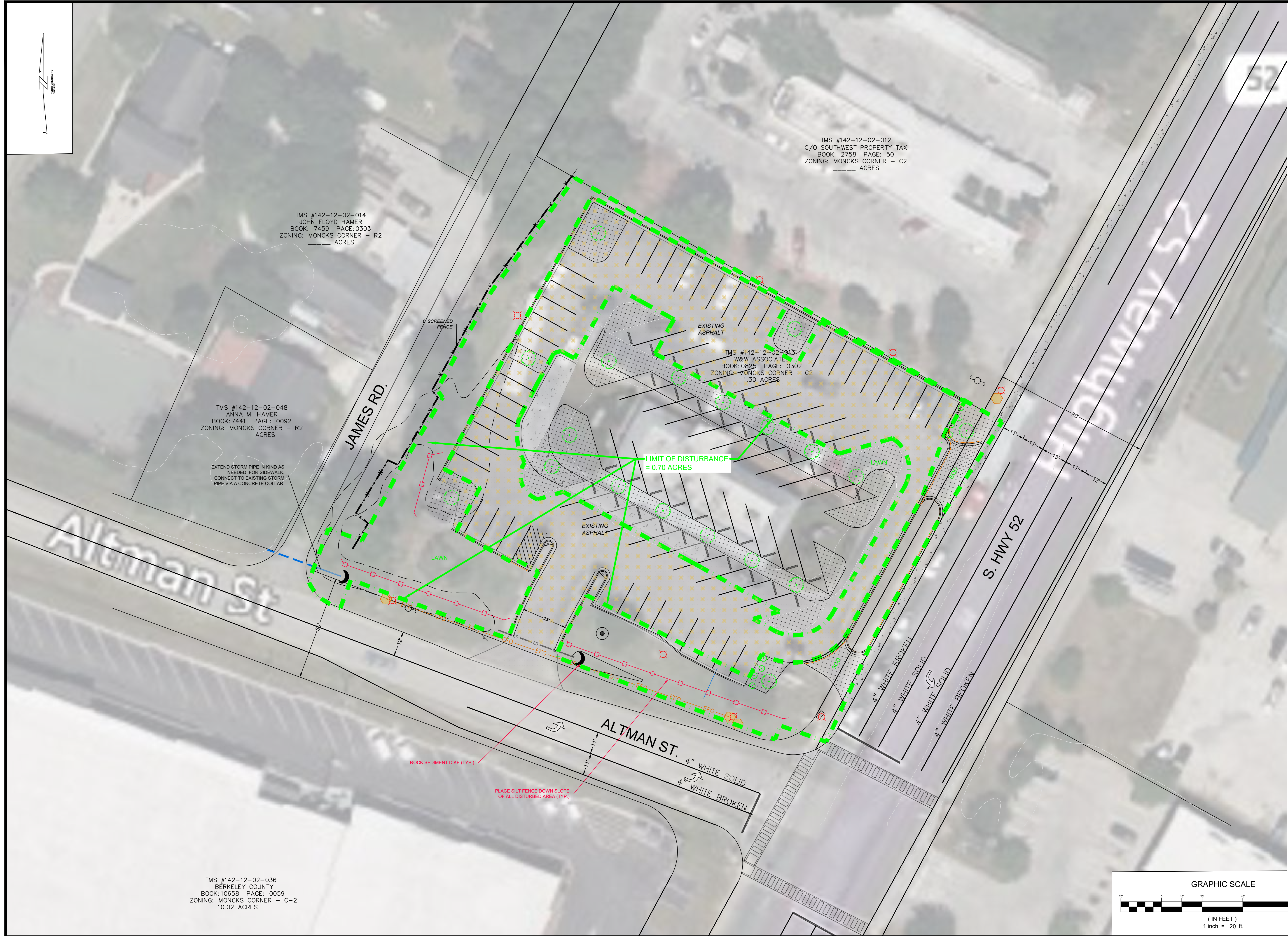
NO.	DATE	REVISION NOTES

Scale: 1" = 20'

C-04

SHEET

This line will measure 1" when plotted to scale.



Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
EROSION CONTROL AND
SEDIMENTATION PLAN

TMS: 142-12-02-013

103 S. HIGHWAY 52, MONCKS
CORNER, BERKELEY COUNTY, SC

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

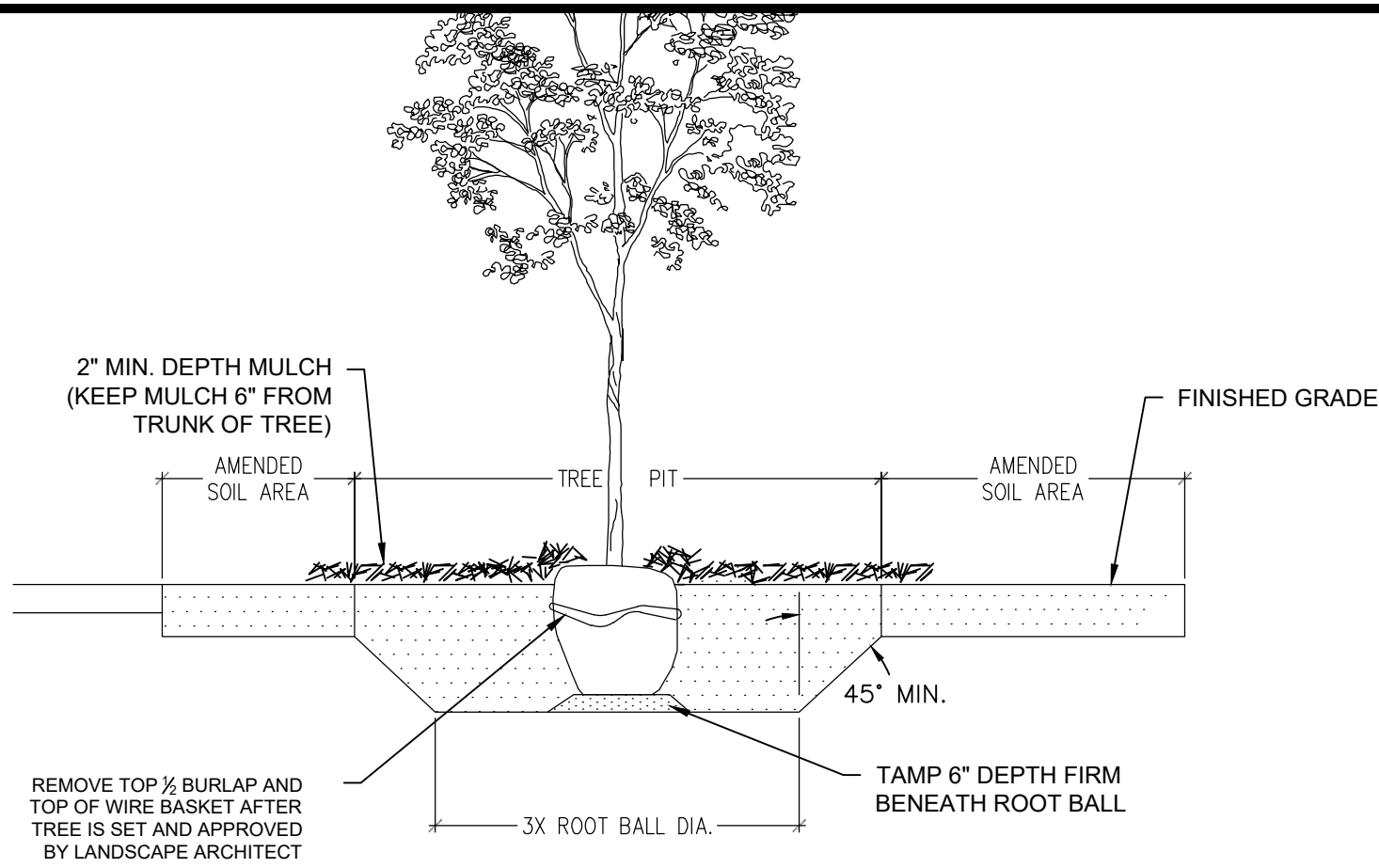
NO. DATE REVISION NOTES

Scale: 1" = 20'

C-05

SHEET

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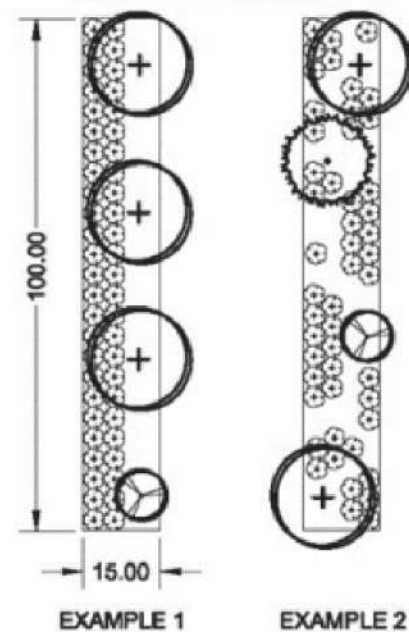


- GENERAL NOTES:
1. PLANT TREE SO TOP OF ROOT BALL IS 2" ABOVE FINISHED GRADE.
 2. SCARIFY SIDES AND BOTTOM OF PIT.
 3. BACKFILL TREE PIT AND WATER UNTIL NO MORE WATER IS ABSORBED.
 4. HAND TAMP OR PROBE WITH SHOVEL HANDLES TO REMOVE VOIDS.
 5. DO NOT WRAP TREE TRUNKS.
 6. AMEND SOIL AREA AROUND TREE BY THOROUGHLY TILLING IN PLANTING SOIL MIXTURE AMENDMENTS TO A DEPTH OF 8".

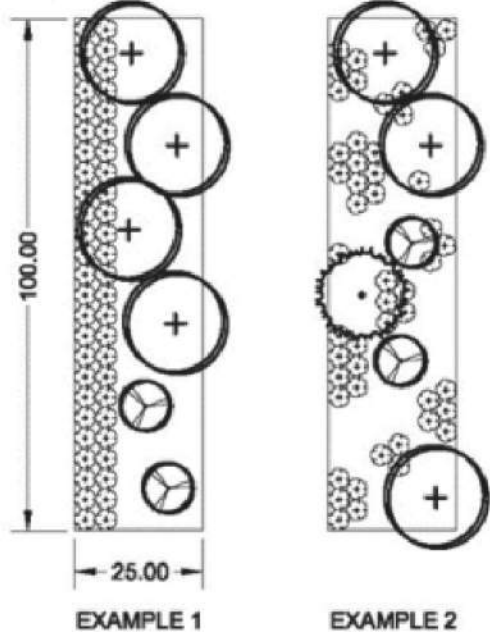
CANOPY TREE PLANTING DETAIL

BUFFER PLANTING CONFIGURATION

TYPE B BUFFER



TYPE C BUFFER



BUFFERYARD / LANDSCAPING NOTES:

1. PURSUANT TO SECTION 7-5, THE AREA TO BE LANDSCAPED SHALL BE 10% OF THE TOTAL AVAILABLE AREA.
2. ANY EXISTING PLANT MATERIAL, WHICH OTHERWISE SATISFIES THE REQUIREMENTS OF SECTION 7-5, MAY BE COUNTED TOWARD SATISFYING ALL BUFFERYARD REQUIREMENTS.
3. APPROVED SPECIES CAN BE FOUND IN THE TOWN OF MONCK'S CORNER LANDSCAPE ORDINANCE.
4. PLANTS SHALL MEET THE REQUIREMENTS OF THE AMERICAN STANDARD FOR NURSERY STOCK.
5. PLANTS LISTED BY CLEMSON UNIVERSITY OR THE SOUTH CAROLINA FORESTRY COMMISSION AS INVASIVE SHALL NOT BE ALLOWED.
6. BUFFER PLANTING REQUIREMENTS SHALL MEET THE TOWN OF MONCK'S CORNER BUFFERYARD TYPES CHART.
7. THE RESPONSIBILITY FOR MAINTENANCE OF A REQUIRED BUFFER, TO INCLUDE FENCES, SHALL REMAIN WITH THE OWNER OF THE PROPERTY. THE OWNER SHALL BE RESPONSIBLE FOR INSTALLING LIVE, HEALTHY PLANTS. REPLACEMENT PLANTS SHALL BE PROVIDED FOR ANY REQUIRED PLANTS THAT DIE OR ARE REMOVED.
8. ALL LAWN AREAS INVOLVING NEW OR COMPLETELY RENOVATED CONSTRUCTED SHALL BE SODDED.

SIGHT CLEARANCE NOTES:

1. SIGHT CLEARANCE TO BE MAINTAINED. AT EACH CORNER OF EACH STREET INTERSECTION A SIGHT AREA SHALL BE MAINTAINED. WITHIN THE SIGHT AREA NO FENCE, WALL, SIGN, OR OTHER STRUCTURE, NO SLOPE OR EMBANKMENT, NO PARKED VEHICLE, NO HEDGE, FOLIAGE OR OTHER PLANTING, AND NO OTHER OBJECT OR STRUCTURE SHALL BE PLACED, ERECTED OR MAINTAINED WHICH WILL OBSTRUCT VISIBILITY WITHIN THE SIGHT AREA BETWEEN HEIGHTS OF TWO-AND-ONE-HALF FEET (2 1/2') AND TEN FEET (10').

TMS #142-12-02-014
JOHN FLOYD HAMER
BOOK: 7459 PAGE: 0303
ZONING: MONCK'S CORNER - R2
ACRES

TMS #142-12-02-048
ANNA M. HAMER
BOOK: 7441 PAGE: 0092
ZONING: MONCK'S CORNER - R2
ACRES

EXTEND STORM PIPE IN KIND AS
NEEDED FOR SIDEWALK
CONNECT TO EXISTING STORM
PIPE VIA A CONCRETE COLLAR.

TMS #142-12-02-036
BERKELEY COUNTY
BOOK: 10658 PAGE: 0059
ZONING: MONCK'S CORNER - C-2
10.02 ACRES

BUFFERYARD TYPES						
Buffer Type	Min. Buffer Width (FT)	Width x .67 Plant Multiplier	Width x .5 Plant Multiplier	Width with Opaque Screen	Canopy Trees, Understory Trees, and/or Upright Evergreen per 100 LF	Evergreen Shrubs per 100 LF
Type A	10	*	*	*	3	25
Type B	15	*	*	A	4	50
Type C	25	50	75	B	6	50
Type D	50	75	100	C	8	75
Type E	75	100	150	D	12	75

Canopy Trees, Understory Trees, and Upright Evergreen Trees must be selected from the list of approved species. Canopy trees must be a minimum of 2.5" caliper at planting. Upright Evergreens and Understory Trees must be a minimum of 2" caliper at planting and should generally be specified as 6'-8' tall. Over the total length of all bufferyards for a project, tree species and type may vary, as appropriate to the project. However, at least 1/3 of the total number of required trees shall be Canopy Trees. Likewise, no more than 1/3 of the total number of required trees shall be Understory Trees. Bufferyard designs are subject to approval by the Town Community Development Director. Palmetto (Sabal palmetto) shall not count toward required tree requirements except by special exception. When allowed, Palmettos may be substituted at a ratio of three palmettos for each required tree.

LANDSCAPE AREA CALCULATION		
	REQUIRED	PROPOSED
+ TOTAL LAND AREA OF SITE	56,628 SF	
- IMPERVIOUS AREA	32,995 SF	
- BUFFER AREA	10,136 SF	
TOTAL AVAILABLE AREA	13,497 SF	
10% OF AVAILABLE AREA	1,350 SF	6,402 SF



1003 HIGHWAY 52
P.O. Box 1622
MONCK'S CORNER, SC 29461
(843) 718-4127

Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION BUILDING PARKING EXPANSION LANDSCAPING PLAN

TMS: 142-12-02-013

103 S. HIGHWAY 52, MONCK'S
CORNER, BERKELEY COUNTY, SC

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

NO. DATE REVISION NOTES

Scale: 1" = 20'

C-06

SHEET

GENERAL NOTES

1. **PROJECT DESCRIPTION:**
PROJECT CONSIST OF CONVERTING AN EXISTING ABANDONED BURGER KING COMMERCIAL SITE INTO A PARKING FACILITY FOR THE SOLE USE OF OF BERKELEY COUNTY ADMINISTRATION EMPLOYEES.
2. **CLEARING & GRUBBING WITHIN ROADWAY:**
CLEARING & GRUBBING OPERATIONS WILL BE PERFORMED ONLY IN THE IMMEDIATE AREA NECESSARY FOR THE CONSTRUCTION OF THE ROADWAY AND ALL WORK ASSOCIATED WITH THE PROJECT.
3. **EROSION AND SEDIMENTATION CONTROL:**
ALL EARTHMOVING ACTIVITIES SHALL BE CONDUCTED IN SUCH A WAY AS TO MINIMIZE ACCELERATED EROSION AND RESULTING SEDIMENTATION. MEASURES TO CONTROL EROSION AND SEDIMENTATION SHALL, AT A MINIMUM, MEET THE STANDARDS OF BERKELEY COUNTY AND SCDES EROSION CONTROL REGULATIONS, AS OUTLINED IN THE EROSION AND SEDIMENT REDUCTION ACT OF 1983, AS AMENDED
SILT FENCE SHALL BE PLACED DOWN SLOPE OF ALL DISTURBED AREA WHERE THE RUNOFF DISCHARGES OFF SITE.
ALL WORK SHALL BE COORDINATED WITH THE INSTALLATION OF EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SO THAT DISRUPTION IS MINIMIZED AND ADEQUATE CONTROL SHALL BE INSTALLED TO PROTECT THE WATER BODY FROM UNDUE IMPACT.
INLET PROTECTION SHALL BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVE FLOWS FROM THE DISTURBED AREAS.
THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY CONSTRUCTION DEBRIS OR MUD TRACKED ONTO EXISTING ROADWAYS.
PROPOSED WORK DOES NOT CROSS ANY W6s.
4. **TRAFFIC CONTROL:**
THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY PROVISIONS FOR TRAFFIC CONTROL FOR THE DURATION OF THE PROJECT. TRAFFIC CONTROL SHALL CONFORM TO THE REQUIREMENTS ESTABLISHED BY SCDOT STANDARD SPECIFICATIONS STANDARD DRAWINGS, SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND AS DIRECTED BY THE COUNTY.
5. **CONSTRUCTION STAKES, LINES AND GRADES:**
CONTRACTOR SHALL MATCH EXISTING PAVEMENT GRADES.
CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM MEDIAN TO AVOID PONDING FOR ALL NATURAL AND PAVED AREAS.
6. **SITE STABILIZATION:**
A SITE IS CONSIDERED STABILIZED ONCE THE ENTIRE DISTURBED AREA HAS A VEGETATIVE COVER WITH A DENSITY OF 70%. FINAL STABILIZATION SHALL BE IMPLEMENTED WITHIN FOURTEEN (14) DAYS OF COMPLETION OF ALL CONSTRUCTION ACTIVITIES. AFTER FINAL STABILIZATION IS ACHIEVED, ALL CONTROL MEASURES SHALL BE REMOVED FROM THE SITE.
7. **STORMWATER MANAGEMENT PLAN:**
THE STORMWATER MANAGEMENT PLAN MEETS THE REQUIREMENTS IN APPENDIX E OF THE BERKELEY COUNTY'S STORMWATER MANUAL.
8. **APPLICABLE ORDINANCES:**
a. THE PROJECT DISTURBS LESS THAN ONE-HALF (1/2) ACRE. CAA APPROVAL IS NOT REQUIRED. PERMANENT BMPs ARE NOT REQUIRED.
b. PROJECTS DISTURBING LESS THAN ONE-HALF (1/2) ACRE MUST SUBMIT A STORMWATER MANAGEMENT PLAN TO THE BERKELEY COUNTY ENGINEERING DEPARTMENT.
d. THE CONSTRUCTION ACTIVITY DOES NOT CAUSE NOR WILL IT CONTRIBUTE IN ALTERING THE NATURAL DRAINAGE FLOW PATTERN OF THE SITE OR ADJACENT PROPERTIES.

CONSTRUCTION SEQUENCE

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE UNITED TO THOSE AREAS DESCRIBED IN EACH STAGE.

IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.

BEFORE IMPLEMENTING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, OR REVISIONS TO THE OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION AND SEDIMENT POLLUTION CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISION FROM THE JURIDICTIONAL CONSERVATION DISTRICT. RUNOFF ACCUMULATING IN EXCAVATED AREAS SHALL EITHER REMAIN IN THE EXCAVATED AREA IN ORDER TO INFILTRATE THE RUNOFF, OR BE DIRECTED TO AN APPROVED E&S CONTROL MEASURE TO ENSURE RUNOFF IS TREATED BEFORE LEAVING THE DISTURBED SITE OR WILL BE INFILTRATED BACK INTO THE GROUND. E&S CONTROL BMPs WILL BE MAINTAINED TO PERFORM AS DESIGNED IN THESE INSTANCES. CONSTRUCTION ACTIVITIES WITHIN EACH STAGE MAY OVERLAP IF WORK WITHIN EACH AREA IS CARRIED OUT IN SEQUENCE.

THE AMOUNT OF SOIL EXPOSED DURING CONSTRUCTION SHOULD BE KEPT TO A MINIMUM. THIS MAY BE ACCOMPLISHED BY MINIMIZING THE AMOUNT OF THE DISTURBED AREA WITHIN THE PERMITTED LIMITS OF DISTURBANCE (SHOWN ON THE APPROVED CONSTRUCTION SITE PLANS) TO ONLY THAT WHICH IS NECESSARY TO COMPLETE THE PROPOSED WORK. FOR AREAS THAT HAVE ALREADY BEEN DISTURBED AND WHERE CONSTRUCTION ACTIVITIES WILL NOT BEGIN FOR A PERIOD OF 14 DAYS OR MORE, TEMPORARY STABILIZATION TECHNIQUES MUST BE IMPLEMENTED.

1. EROSION CONTROL PLAN IS TO BE AVAILABLE AT THE SITE DURING ALL CONSTRUCTION ACTIVITIES.
2. CONSTRUCTION ACTIVITIES CAN COMMENCE UPON APPROVAL BY BERKELEY COUNTY OF A STORMWATER MANAGEMENT PLAN.
3. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES WHERE RUNOFF MAY POTENTIALLY DISCHARGE FROM THE SITE.
4. DEMO SITE.
5. COORDINATE WITH BERKELEY ELECTRIC TO RELOCATE STREET LIGHTS.
6. PERFORM WORK NECESSARY TO CONSTRUCT PROPOSED ASPHALT PARKING LOT.
7. PROVIDE PERMANENT SEEDING AND MULCHING IN DISTURBED AREAS.

STORMWATER MANAGEMENT PLAN NOTES

THE CONSTRUCTION ACTIVITY WILL NOT CAUSE OR CONTRIBUTE IN ALTERING THE NATURAL DRAINAGE FLOW PATTERN OF THE SITE OR ADJACENT PROPERTIES.

THE PROJECT PROPOSES ADDING 2,256 SF OF IMPERVIOUS PAVEMENT. THIS CHANGE WILL INCREASE THE PEAK FLOW RATE (10-YEAR EVENT) BETWEEN THE PRE-DEVELOPED AND POST DEVELOPED CONDITION BY 0.16 CFS. THIS FLOW WILL SHEETFLOW TOWARDS THE COUNTY'S ROADSIDE DITCH AND DISCHARGE INTO THE EXISTING STORMWATER CONVEYANCE SYSTEM. THE EXISTING 18" RCP CAN MANAGE THIS SLIGHT INCREASE IN PEAK RATE.

NEARBY STORMWATER INLETS, MANHOLES, ETC. IN THE STREET OR ON THIS OR ADJACENT PROPERTY SHALL BE PROTECTED THROUGH THE USE OF SEDIMENT TUBES, CHECK DAMS, OR INLET PROTECTION DEVICES. THESE MEASURES WILL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS UNTIL THE SITE IS STABILIZED.

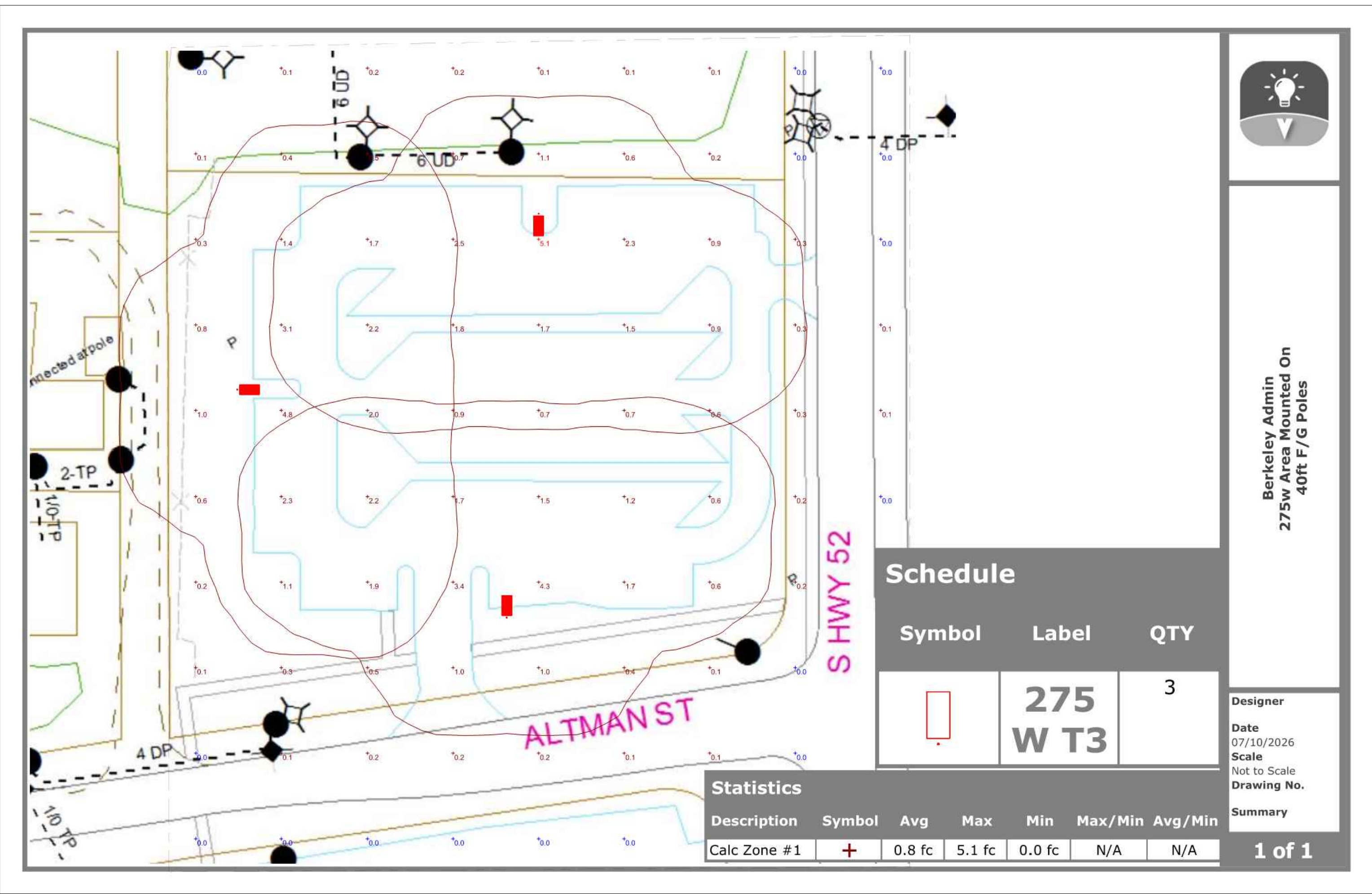
STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN DAYS (14) AFTER WORK HAS CEASED. UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN TWENTY-ONE DAYS, EXISTING/NATURAL VEGETATION SHOULD BE PRESERVED AS MUCH AS POSSIBLE.

A SITE IS CONSIDERED STABILIZED ONCE THE ENTIRE DISTURBED AREA HAS A VEGETATIVE COVER WITH A DENSITY OF 70%. SEEDING SHOULD BE ACCOMPANIED OR REPLACED WITH EROSION CONTROL MATS AS NECESSARY TO ACHIEVE THIS DENSITY. FINAL OR PERMANENT STABILIZATION IS CONSIDERED ACHIEVED ONCE THE ENTIRE DISTURBED AREA HAS A PERMANENT VEGETATIVE COVER WITH A DENSITY OF 70%. FINAL STABILIZATION SHALL BE IMPLEMENTED WITHIN FOURTEEN (14) DAYS OF COMPLETION OF ALL CONSTRUCTION ACTIVITIES. AFTER FINAL STABILIZATION IS ACHIEVED, ALL CONTROL MEASURES SHALL BE REMOVED FROM THE SITE.

WETLAND & FLOODPLAIN NOTES

THE PARCEL SHOWN HEREON IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (SFHA) PER FLOOD INSURANCE RATE MAPS (FIRM) PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), BEING PANEL 405 OF 776, MAP NUMBER 4501C0405E, EFFECTIVE DATE DECEMBER 7, 2018.

NO WETLANDS ARE PRESENT ON THE SUBJECT PROPERTY.



PHOTOMETRIC PLAN SHEET
SCALE: No Scale

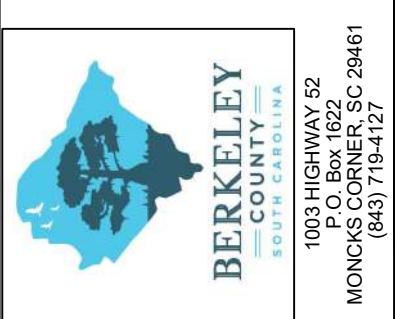
STORMWATER MANAGEMENT SUMMARY TABLES:

RATIONAL METHOD 'C' COEFFICIENT & DRAINAGE AREAS WITHIN LIMITS OF DISTURBANCE							
RATIONAL METHOD 'C' VALUE & AREA TABLE				Drainage Area			
				Impervious	Open Space	Woods	
CATCHMENT	AREA		"C" Value	0.90	C	D	D
	(SqFt)	(Acre)		(SqFt)	(SqFt)	(SqFt)	(SqFt)
PRE-DEVELOPMENT -	30,492	0.70	0.632	14,441	0	16,051	0
POST-DEVELOPMENT -	30,492	0.70	0.605	12,880	0	17,612	0

PRE-DEVELOPMENT PEAK FLOW RATE (10-YR Event)				
Discharge Point	C	I(10)	A (Acre)	Q(10) (CFS)
Berkeley County Administration Building Parking Expansion	0.632	6.2	1.17	4.57
[1] Intensity is assumed to be 5-min. duration from Table 3.1; Design Storm Precipitation Data (in inches) for Berkeley County. [2] Site area includes area within the Limits of Disturbance and undisturbed asphalt.				

POST-DEVELOPMENT PEAK FLOW RATE (10-YR Event)				
Discharge Point	C	I(10)	A (Acre)	Q(10) (CFS)
Berkeley County Administration Building Parking Expansion	0.605	6.2	1.17	4.38
[1] Intensity is assumed to be 5-min. duration from Table 3.1; Design Storm Precipitation Data (in inches) for Berkeley County. [2] Site area includes area within the Limits of Disturbance and undisturbed asphalt.				

Percentage Change in Impervious Area					
	Pre-Development		Post-Development		Difference
	(SF)	(Acre)	(SF)	(Acre)	(SF) (%)
Impervious Area	14,441	0.33	12,880	0.30	-1,561 -3.0%
[1] Impervious area is limited to area within the Berkeley County ROW					



Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
PHOTOMETRIC PLAN
AND STANDARD NOTES

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

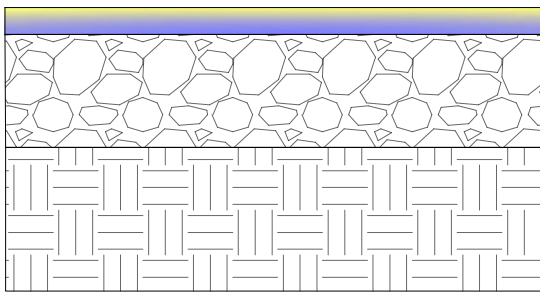
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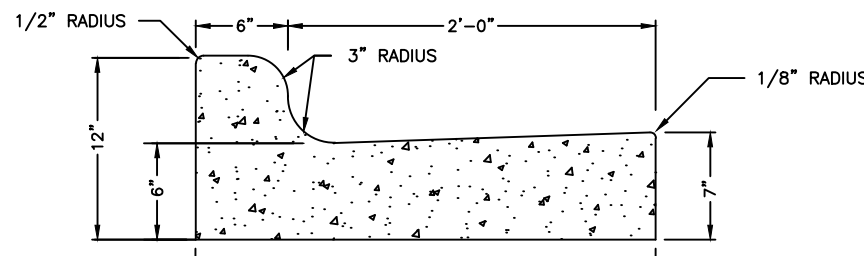
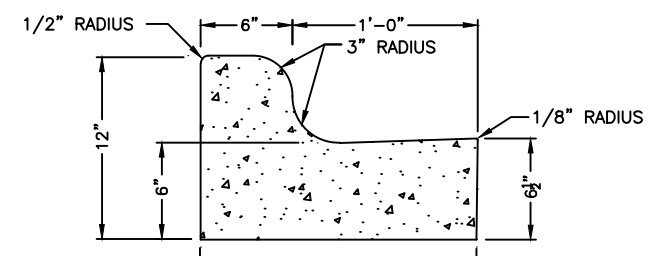
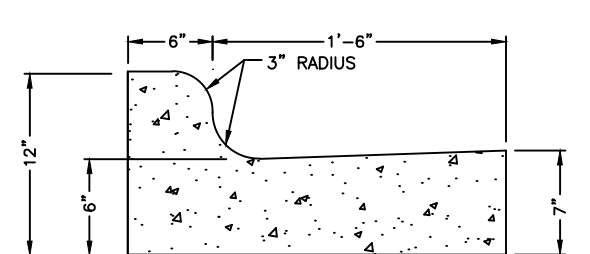
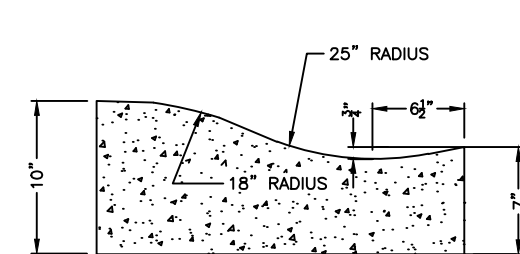
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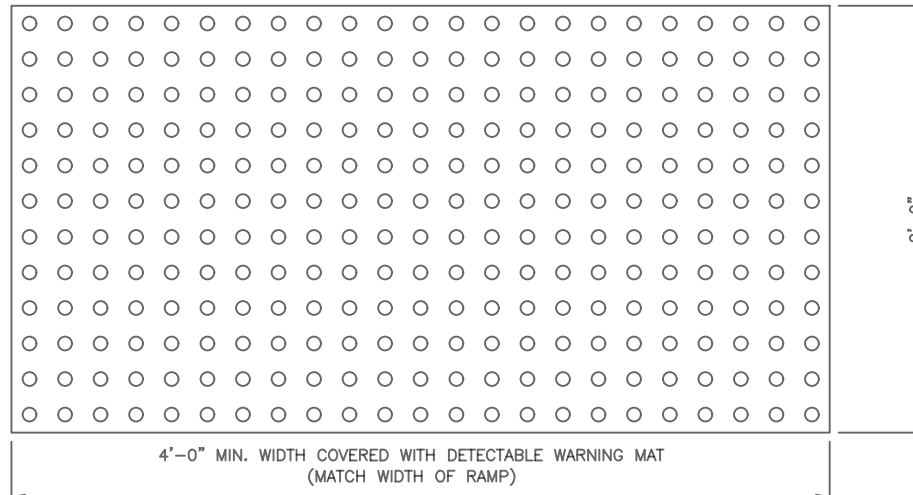
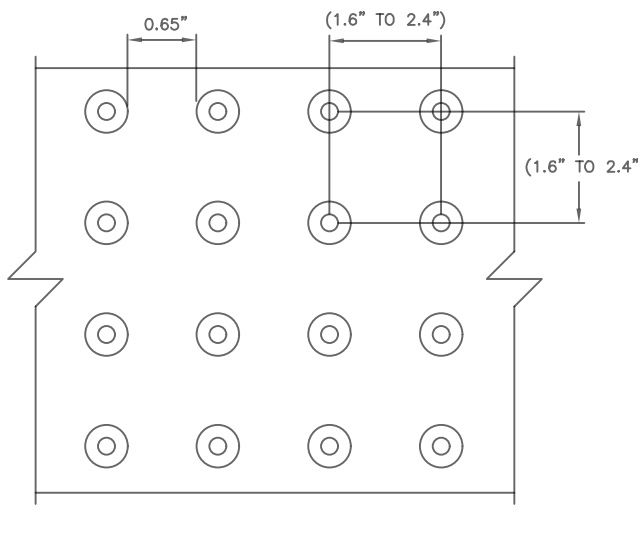
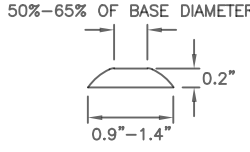
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C-07
SHEET

This line will measure 1" when plotted to scale.

ITEM	MATERIAL	SCDOT SPECIFICATION SECTION
	2" (220#/SY) SURFACE COURSE 8" (150#/SY) BASE COURSE 24" COMPACTED OR PROOFROLLED SUBGRADE	HMA Surface Type C SECTION 403 HMA Base Type B SECTION 305 PREPARED IN-SITU SUBSOIL OR STRUCTURAL FILL (95% MODIFIED PROCTOR) SECTION 208
NOTES: 1. SEE REFERENCED SCDOT STANDARD SPECIFICATION SECTIONS FOR MATERIAL, EQUIPMENT, AND CONSTRUCTION REQUIREMENTS.		
BERKELEY COUNTY LAND DEVELOPMENT STANDARDS	STANDARD PAVEMENT SECTION	STD. NO. REV. D10

		
STANDARD 2'-6" CURB AND GUTTER	1'-6" STANDARD CURB AND GUTTER	
		
2'-0" STANDARD CURB & GUTTER	2'-0" VALLEY GUTTER	
BERKELEY COUNTY LAND DEVELOPMENT STANDARDS	STANDARD CURB & GUTTER	STD. NO. REV. D01

	
TRUNCATED DOME PLAN VIEW	TRUNCATED DOME SPACING
NOTES: 1. ALL DETECTABLE WARNING DEVICES USED IN NEW CONSTRUCTION SHALL BE OF A RIGID PRECAST OR EMBEDDED PRODUCT APPROVED BY THE COUNTY ENGINEER. 2. RAMP AND DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET IN WIDTH, BUT NOT LESS THAN THE WIDTH OF SIDEWALK LEADING TO BACK OF RAMP. 3. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. 4. DETECTABLE WARNING AREA CAN BE PLACED SQUARE WHEN USED IN A CURB RADIUS. 5. THE ROWS OF TRUNCATED DOMES IN DETECTABLE WARNING SURFACES SHOULD BE ALIGNED PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP RUN AND THE STREET. 6. DETECTABLE WARNING AREA SHALL VISUALLY CONTRAST WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE. 7. IF PAVERS ARE TO BE USED, PAVERS SHALL BE MINIMUM 8,000 PSI CONCRETE WITH A 2-INCH MINIMUM THICKNESS, SET ON A THIN-SET MORTAR ON TOP OF 4" THICK 3,600 PSI CONCRETE BASE. 8. MATS ARE TO BE RIGID WITH TURNED-DOWN EDGES EMBEDDED IN CONCRETE TO REDUCE TRIP HAZARD.	
	
TRUNCATED DOME SECTION	
BERKELEY COUNTY LAND DEVELOPMENT STANDARDS	TRUNCATED DOMES PLAN & CROSS-SECTION
	STD. NO. REV. D04

TURN ARROW		'ONLY'	
NOTES: 1. ALL MARKINGS SHALL BE THERMOPLASTIC. 2. ALL MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS AND SOUTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.		WHITE DASHED LINES VARIES (MATCH LANE WIDTH) <u>STOP BAR</u>	
BERKELEY COUNTY LAND DEVELOPMENT STANDARDS		PAVEMENT MARKINGS	
		REV. T06	

RIGHT-OF-WAY		
<u>GENERAL NOTES:</u> 1. SIDEWALKS SHALL BE REQUIRED TO EXTEND TO AND ALONG ADJOINING PUBLIC STREETS WHERE NEEDED TO ACCOMMODATE PEDESTRIAN TRAFFIC TO SCHOOLS, RECREATION SITES, COMMERCIAL AREAS, AND ADJOINING NEIGHBORHOODS. 2. SIDEWALKS SHALL BE AT LEAST FIVE FEET IN WIDTH AND SHALL BE CONSTRUCTED OF ASPHALT OR CONCRETE. 3. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI. IN 28 DAYS. 4. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT INTERVALS OF NOT MORE THAN 45' AND MATCHING EXPANSION/CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.		
BERKELEY COUNTY LAND DEVELOPMENT STANDARDS	TYPICAL CONCRETE SIDEWALK	REV. T09

EQUATIONS:

$$S = W/\sin \theta$$

$$R = W/\tan \theta$$

$$D = (L+R)\sin \theta$$

$$(ONE\ DIRECTION)\ A = B \sin \theta\ (MIN.\ 12')$$

$$(TWO\ DIRECTIONS)\ A = B \sin \theta\ (MIN.\ 22')$$

NOTES:

- 30', 45', AND 60' LOTS ARE ONE WAY OPERATION ONLY

STALL DIMENSIONS:

STANDARD:

$$W=9'\ L=18'6''\ B=26'$$

MINIMUM:

$$W=8'6''\ L=18'\ B=23'$$

STANDARD

θ	S	R	D	A (1 DIR.)	A (2 DIR.)
9°	22	0	8.5	14	22
30°	18	15.6	17	13	N/A
45°	12.7	9	19.4	18.4	N/A
60°	10.4	5.2	20.5	22.5	N/A
90°	9	0	18.5	26	26

MINIMUM

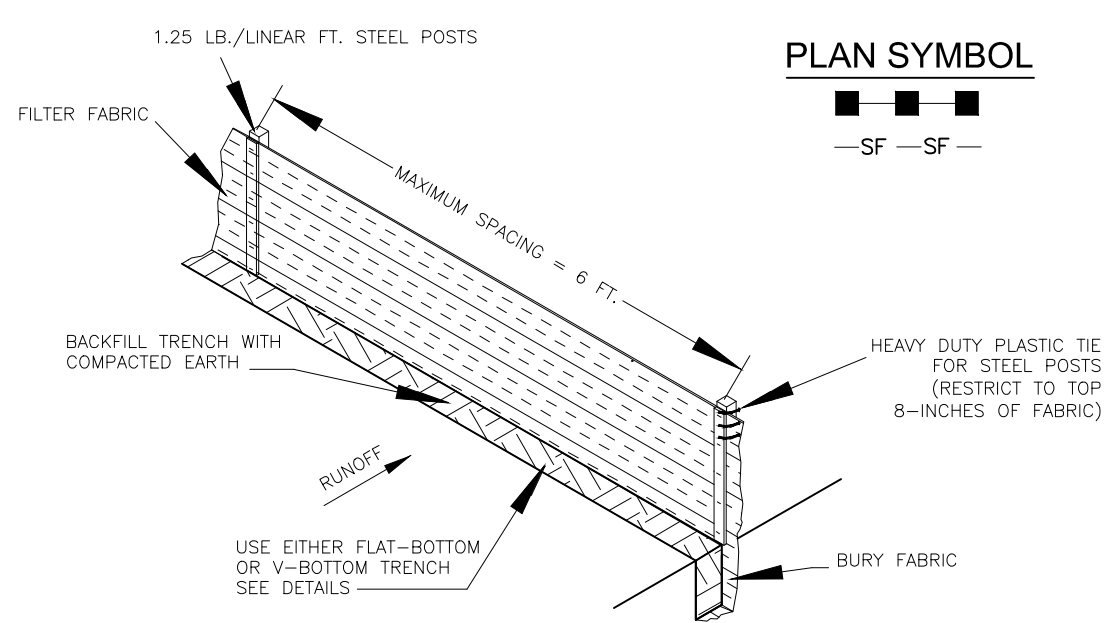
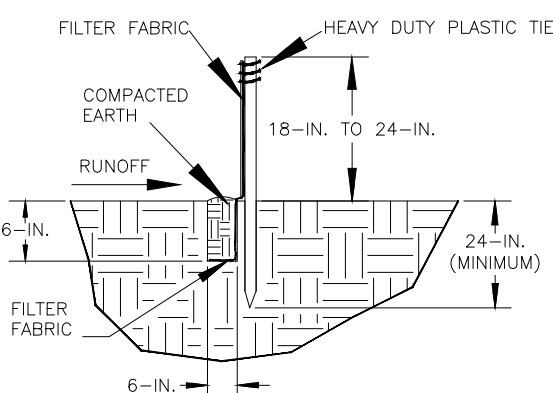
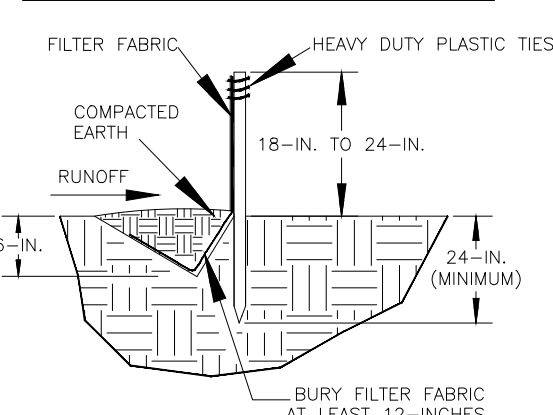
θ	S	R	D	A (1 DIR.)	A (2 DIR.)
9°	21	0	7	13	22
30°	17	14.7	16.4	12	N/A
45°	12	8.5	18.7	16.3	N/A
60°	9.8	4.9	19.8	19.9	N/A
90°	8.5	0	16	23	23

BERKELEY COUNTY

PARKING LOT STANDARDS

T09

REV.

	
SILT FENCE INSTALLATION	FLAT-BOTTOM TRENCH DETAIL
	V-SHAPED TRENCH DETAIL
SILT FENCE - GENERAL NOTES 1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs. 2. Maximum sheet or overland flow path length to the silt fence shall be 100-feet. 3. Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1. 4. Silt fence joints, when necessary, shall be completed by one of the following options: - Wrap each fabric around a support post with both ends fastened to the post, with a 1-foot minimum overlap; - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties or; - Overlap entire width of each silt fence roll from one support post to the next support post. 5. Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric. 6. Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanup. 7. Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.	
South Carolina Department of Health and Environmental Control	
SILT FENCE	
STANDARD DRAWING NO. SC-03 PAGE 1 of 2	
NOT TO SCALE	
FEBRUARY 2014	

SILT FENCE - POST REQUIREMENTS 1. Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics: - Composed of a high strength steel with a minimum yield strength of 50,000 psi. - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches. - Weigh 1.25 pounds per foot (± 8%) 2. Posts shall be equipped with projections to aid in fastening of filter fabric. 3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried. 4. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground. 5. Post spacing shall be at a maximum of 6-feet on center. SILT FENCE - FABRIC REQUIREMENTS 1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements: - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other; - Free of any treatment or coating which might adversely alter its physical properties after installation; - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and, - Have a minimum width of 36-inches. 2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction. 3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled. 4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints. 5. Filter Fabric shall be installed at a minimum of 24-inches above the ground. SILT FENCE - INSPECTION & MAINTENANCE 1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal. 2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation. 3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary. 4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence. 5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated. 6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary. 7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately. 8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.	South Carolina Department of Health and Environmental Control
SILT FENCE	
STANDARD DRAWING NO. SC-03 PAGE 2 of 2	
GENERAL NOTES	
FEBRUARY 2014	

Diagram illustrating the cross-section of a rock sediment dike. Key dimensions and components include:

- Upstream Face:** 1' THICK LAYER #5 WASHED STONE ON UPSTREAM FACE OF DIKE.
- Downstream Side:** MIN 9" D50 RIPRAP.
- Non-Woven Geotextile Fabric:** Located at the base of the downstream side.
- Flow Direction:** Indicated by an arrow pointing left.
- Clean Out Stake:** A vertical stake located downstream of the dike.
- 2' MIN SEDIMENT STORAGE:** The depth of the storage area behind the dike.
- Bo:** The base width of the dike.
- L:** The total length of the dike.
- 5:1 SLOPE:** The downstream slope of the dike.

Diagram illustrating the plan view of a rock sediment dike. Key dimensions and components include:

- Upstream Face:** #5 WASHED STONE ON UPSTREAM FACE OF DIKE.
- Flow Direction:** Indicated by an arrow pointing right.
- Bo:** The base width of the dike.
- W:** The width of the dike.
- L:** The length of the dike.

TYPICAL ROCK DIKE DIMENSIONS

W	L	Bo	MAX. DRAINAGE (ACRES)	TOTAL STORAGE VOL. (CU. FT.)	SEDIMENT STORAGE VOLUME (CU. FT.)
15'	17.5'	3.5'	0.5	1259	283
20'	20.0'	6.0'	1.0	1946	529
25'	22.5'	8.5'	1.5	2790	855
30'	25.0'	11.0'	2.0	3790	1257

MAXIMUM 2-ACRE DRAINAGE AREA TO DIKE

PLAN SYMBOL

Diagram illustrating the plan symbol for a rock sediment dike, showing a cross-section of the dike structure.

South Carolina Department of
Health and Environmental Control

ROCK SEDIMENT DIKE

STANDARD DRAWING NO. SC-12 PAGE 1 of 2

NOT TO SCALE

FEBRUARY 2014

DATE



Project No.: 052894-2026

BERKELEY COUNTY ADMINISTRATION
BUILDING PARKING EXPANSION
SITE AND EROSION CONTROL DETAILS

DRAWN BY: DEW
CHECKED BY: MD
APPROVED BY:

DATE: 07/29/2026

NO.	DATE	REVISION NOTES

Scale: NO SCALE

C-08

SHEET

1003 HIGHWAY 52
P.O. Box 1622
MCKINNEY, TX 75069
(817) 384-1127

TMS: 142-12-02-013

103 S. HIGHWAY 52, MCKINNEY
CORNER, BERKELEY COUNTY, SC