

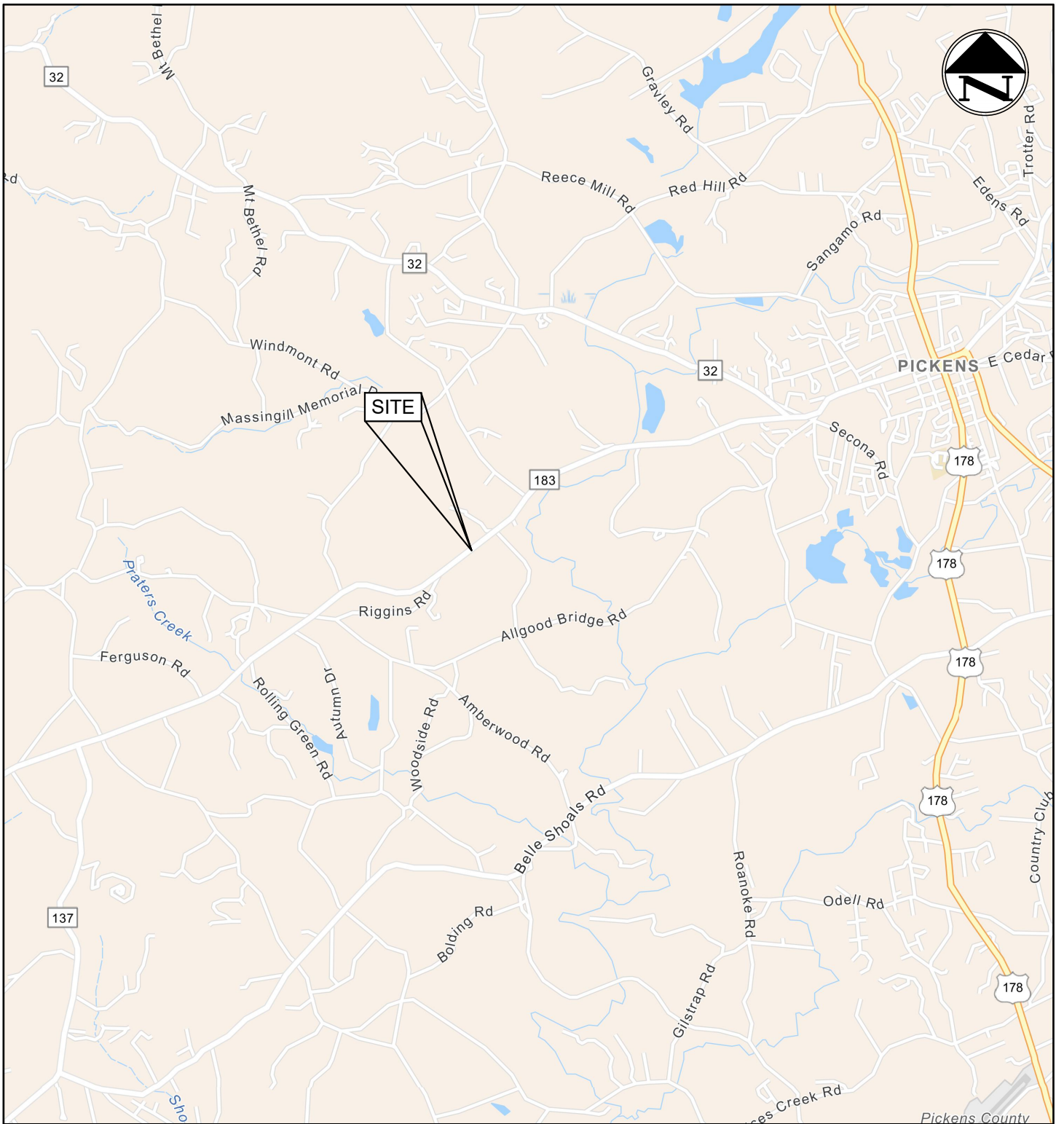
# **SC 183 Over Gregory Creek**

## **Pavement Exploration**

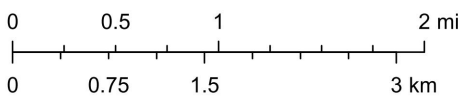
# **APPENDIX A**

## **Location Plans**





1:72,000



F&ME CONSULTANTS, INC.  
COLUMBIA, SC

4				
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REV.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.	CTC	DATE 2.24.23	GROUP	--
RW		DATE		

SC 183 OVER GREGORY CREEK  
PICKENS COUNTY, SOUTH CAROLINA

SITE LOCATION PLAN

SCDOT PROJECT ID: P041230

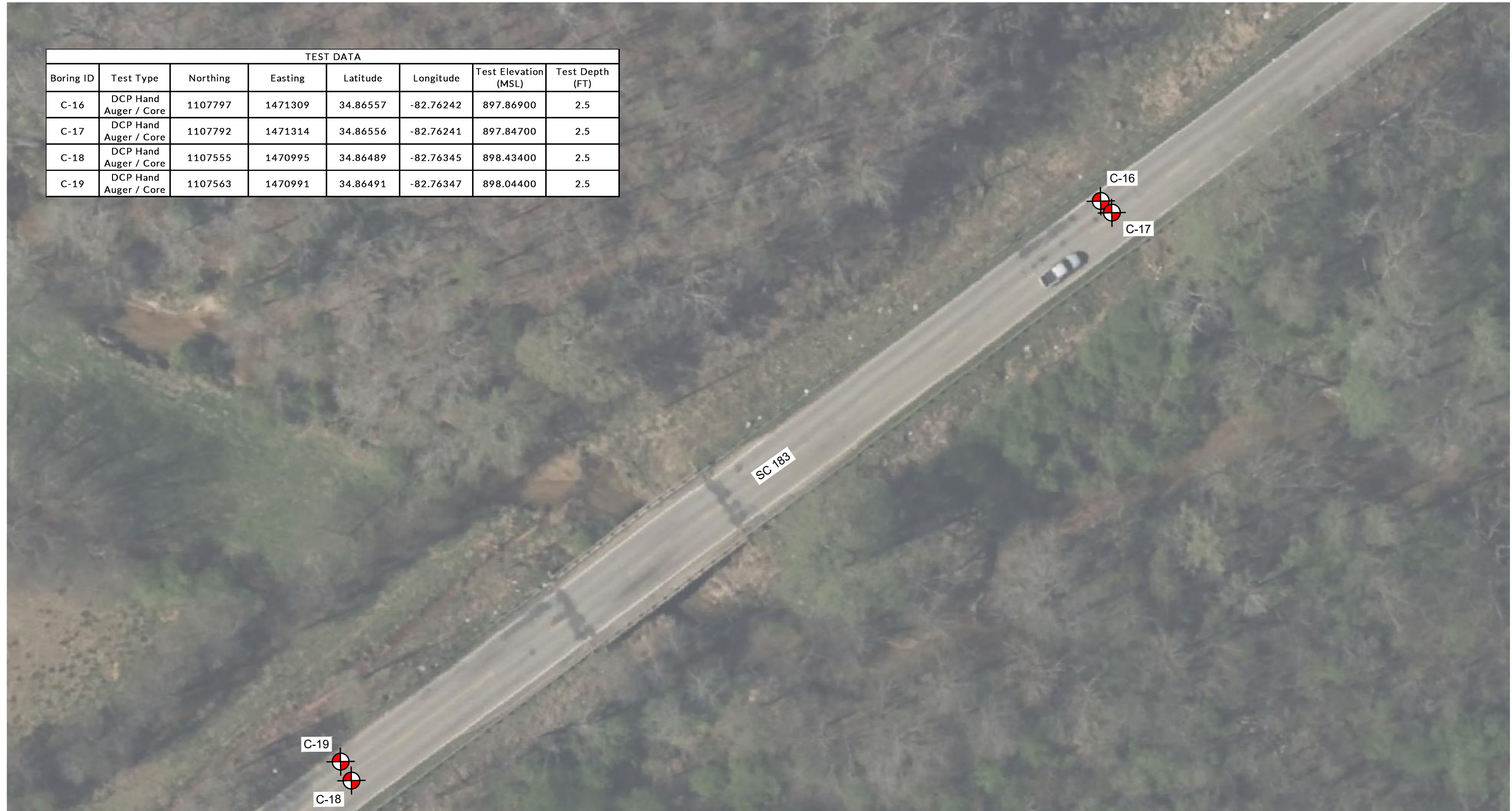
FME JOB NO. G6794.001

SCALE: AS NOTED


FIGURE 1



TEST DATA							
Boring ID	Test Type	Northing	Easting	Latitude	Longitude	Test Elevation (MSL)	Test Depth (FT)
C-16	DCP Hand Auger / Core	1107797	1471309	34.86557	-82.76242	897.86900	2.5
C-17	DCP Hand Auger / Core	1107792	1471314	34.86556	-82.76241	897.84700	2.5
C-18	DCP Hand Auger / Core	1107555	1470995	34.86489	-82.76345	898.43400	2.5
C-19	DCP Hand Auger / Core	1107563	1470991	34.86491	-82.76347	898.04400	2.5



**LEGEND:**

 PAVEMENT CORING LOCATION

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REV.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.	CTC	DATE 2.24.23	GROUP - -
R/W		DATE	

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COLUMBIA, SC

SC 183 OVER GREGORY CREEK  
PICKENS COUNTY, SOUTH CAROLINA

CORING LOCATION PLAN

SCDOT PROJECT ID: P041230	FME JOB NO. G6794.001
SCALE: 1"=40'	FIGURE 2

# **APPENDIX B**

## **Soil Boring Logs**



**SC 183 Over Gregory Creek  
Pickens, South Carolina  
G6794.001 Task 001**

**LOG OF BORING No. C-16**

Latitude: 34.86557  
Longitude: -82.76242

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 898
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (8.5")																	
	0.7	Loose, Moist, Dark Brown, Silty Fine to Medium SAND (SM)		1.0	DS-1	6	14	10		10									
	2.0	Stiff, Moist, Reddish Brown, Fine to Medium Sandy SILT (ML)		2.0	DS-2	10	15	11		10									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																	

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 001 - SC 183 RBO GREGORY CREEK.GPJ FME2017.GDT 3/8/23



**SC 183 Over Gregory Creek  
Pickens, South Carolina  
G6794.001 Task 001**

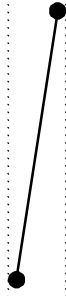
**LOG OF BORING No. C-17**

Latitude: 34.86556  
Longitude: -82.76241

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 898
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (10")																	
	0.8	Medium Dense, Moist, Dark Brown, Silty Fine to Medium SAND (SM)		1.0	DS-1	25+				18+									
	2.0	Medium Dense, Moist, Reddish Brown, Fine to Medium SAND (SP)		2.0	DS-2	20	15	13		11									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																	



**LEGEND**

<b>SAMPLER TYPE</b> SS - Split Spoon ST - Undisturbed Sample AWG - Rock Core, 1-1/8"		<b>SAMPLER TYPE</b> NQ - Rock Core, 1-7/8" CU - Cuttings CT - Continuous Tube		<b>DRILLING METHOD</b> HSA - Hollow Stem Auger CFA - Continuous Flight Augers DC - Driving Casing		<b>DRILLING METHOD</b> RW - Rotary Wash RC - Rock Core PHD - Percussion Hammer Drill	
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**SC 183 Over Gregory Creek  
Pickens, South Carolina  
G6794.001 Task 001**

**LOG OF BORING No. C-18**

Latitude: 34.86489  
Longitude: -82.76345

Date Drilled: 2/14/2023	Supervisor: C. Thomas	Notes: Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 898	
Drill Machine: Auger	Drilling Method: HA/DCP	
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR	

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value														
						1st 6"	2nd 6"	3rd 6"	4th 6"															
		<u>ASPHALT (8")</u>																						
	0.7	Stiff, Moist, Reddish Brown, <u>CLAY (CL)</u> with Fine to Medium Sand		1.0																				
	2.0	Stiff, Moist, Brown, Fine to Medium Sandy <u>SILT (ML)</u>		2.0	DS-1	11	12	13		10														
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.			DS-2	12	15	13		11														

**LEGEND**

<b>SAMPLER TYPE</b> SS - Split Spoon      NQ - Rock Core, 1-7/8" ST - Undisturbed Sample      CU - Cuttings AWG - Rock Core, 1-1/8"      CT - Continuous Tube		<b>DRILLING METHOD</b> HSA - Hollow Stem Auger      RW - Rotary Wash CFA - Continuous Flight Augers      RC - Rock Core DC - Driving Casing      PHD - Percussion Hammer Drill	
--	--	---	--





SC 183 Over Gregory Creek  
 Pickens, South Carolina  
 G6794.001 Task 001

**LOG OF BORING No. C-19**

Latitude: 34.86491  
 Longitude: -82.76347

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 898
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (8")																	
	0.7	Stiff, Moist, Reddish Brown, CLAY (CL) with Fine to Medium Sand		1.0	DS-1	10	15	20		13									
	2.0	Stiff, Moist, Brown, Fine to Medium Sandy SILT (ML)		2.0	DS-2	6	15	19		13									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																	



**LEGEND**

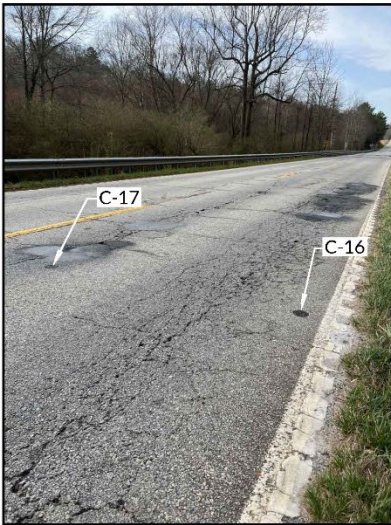
SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 001 - SC 183 RBO GREGORY CREEK.GPJ FME2017.GDT 3/8/23

# **APPENDIX C**

## **Core Photos**

SC 183 OVER GREGORY CREEK

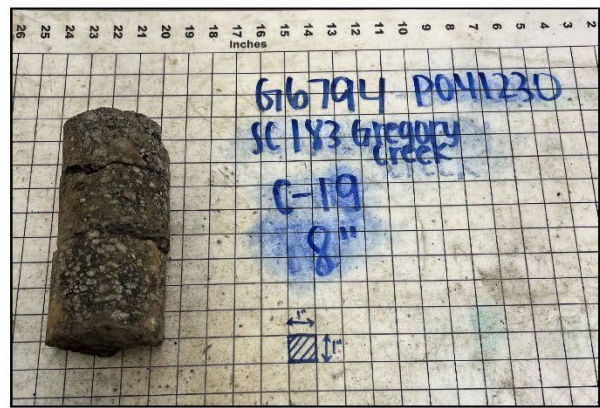
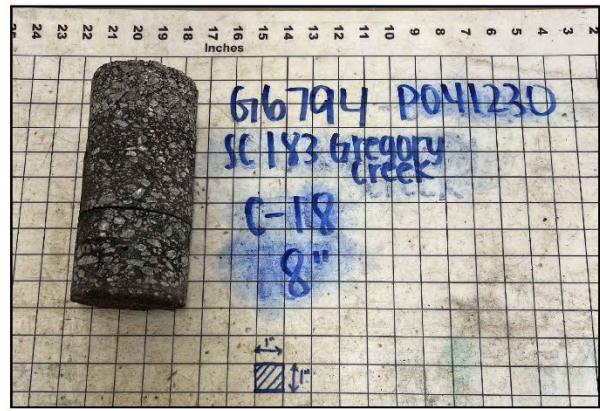
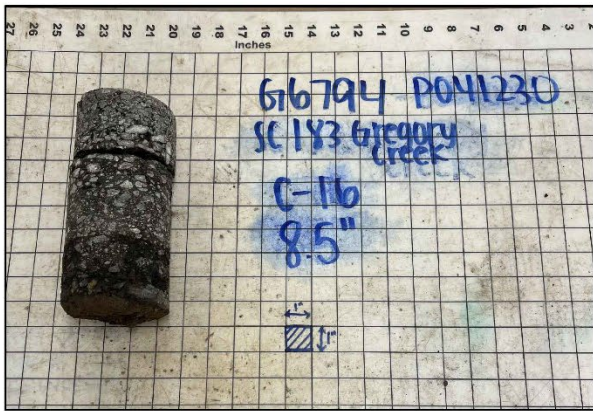


C-16 & C-17 (LOOKING SOUTHWEST)

SC 183 OVER GREGORY CREEK



C-18 & C-19 (LOOKING SOUTHWEST)



# **SC 183 Over Twelve Mile Creek**

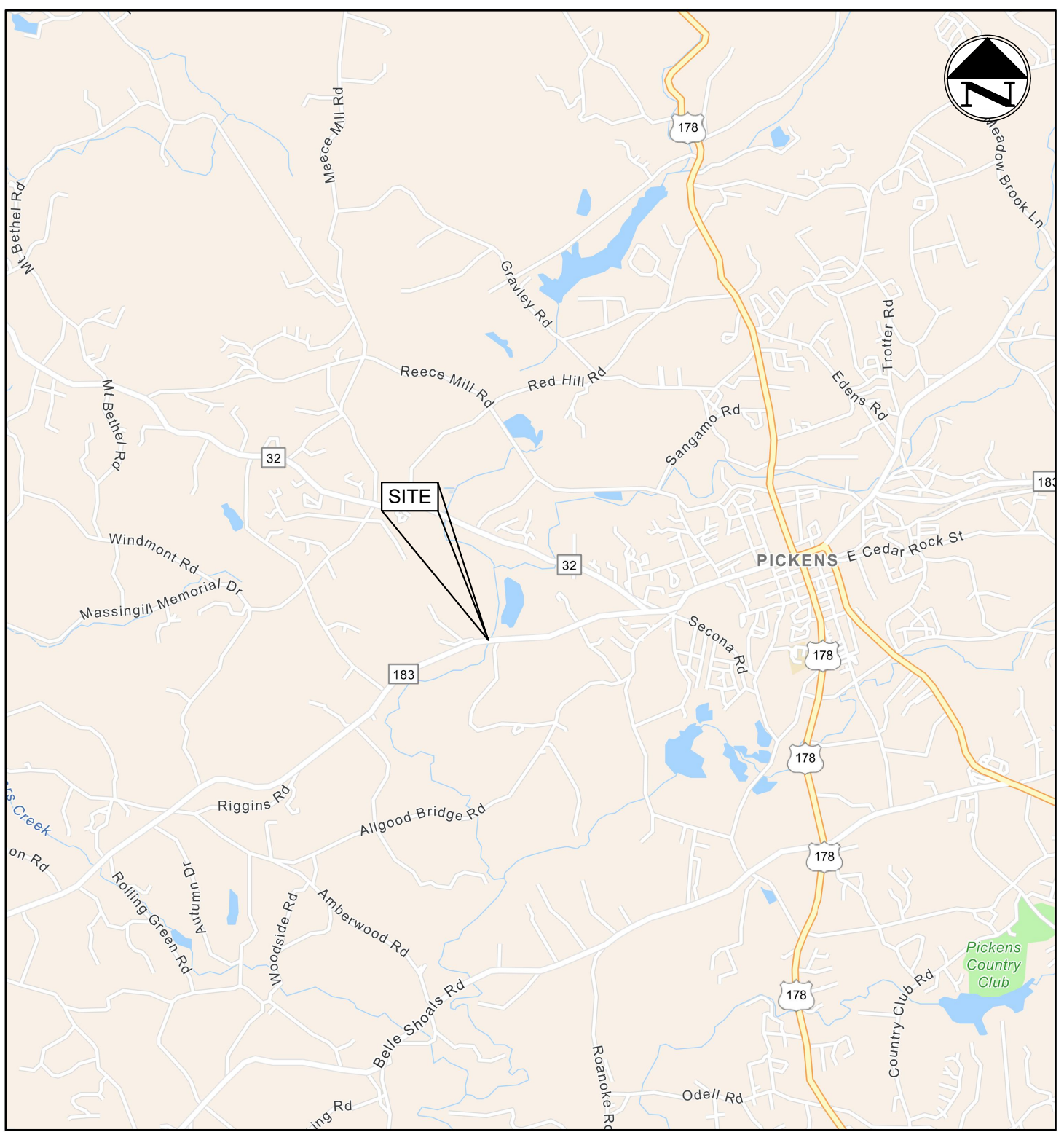
## **Pavement Exploration**

# **APPENDIX A**

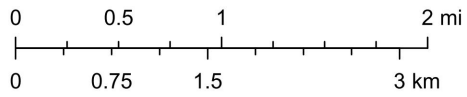
## **Location Plans**







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COLUMBIA, SC

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REV.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.	CTC	DATE 2.24.23	GROUP -- --
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SC 183 OVER TWELVE MILE CREEK  
PICKENS COUNTY, SOUTH CAROLINA

SITE LOCATION PLAN

SCDOT PROJECT ID: P041231

FME JOB NO. G6794.001

SCALE: AS NOTED

FIGURE 1



TEST DATA							
Boring ID	Test Type	Northing	Easting	Latitude	Longitude	Test Elevation (MSL)	Test Depth (FT)
C-12	DCP Hand Auger / Core	1111351	1477186	34.87561	-82.74304	902.54800	2.5
C-13	DCP Hand Auger / Core	1111344	1477185	34.87559	-82.74304	902.38900	2.5
C-14	DCP Hand Auger / Core	1111332	1476877	34.87554	-82.74406	902.45500	2.5
C-15	DCP Hand Auger / Core	1111338	1476876	34.87556	-82.74407	902.88900	2.5



**LEGEND:**



PAVEMENT CORING LOCATION

4			
3			
2			
1			
REV.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.	CTC	DATE 2.24.23	GROUP - -
R/W		DATE	

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COLUMBIA, SC

SC 183 OVER TWELVE MILE CREEK  
PICKENS COUNTY, SOUTH CAROLINA

CORING LOCATION PLAN

SCDOT PROJECT ID: P041231 FME JOB NO. G6794.001  
SCALE: 1"=40' FIGURE 2

# **APPENDIX B**

## **Soil Boring Logs**



SC 183 Over Twelve Mile Creek  
 Pickens, South Carolina  
 G6794.001 Task 002

**LOG OF BORING No. C-12**

Latitude: 34.87561  
 Longitude: -82.74304

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 903
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (9")																	
	0.8	Loose, Moist, Brown, Fine to Medium SAND (SP-SM) with Silt		1.0	DS-1	4	8	18		10									
	2.0	Very Loose, Moist, Brown, Fine to Medium SAND (SP-SC) with Clay		2.0	DS-2	5	3	4		3									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																	

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 002 - SC 183 RBO TWELVE MILE CREEK.GPJ\_FME2017.GDT 3/8/23



SC 183 Over Twelve Mile Creek  
 Pickens, South Carolina  
 G6794.001 Task 002

**LOG OF BORING No. C-13**

Latitude: 34.87559  
 Longitude: -82.74304

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 902
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (5.5")																	
	0.5	Loose, Moist, Brown, Clayey Fine to Medium SAND (SC)		1.0	DS-1	6	8	11	9										
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.		2.0	DS-2	10	10	10	9										

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 002 - SC 183 RBO TWELVE MILE CREEK.GPJ\_FME2017.GDT 3/8/23



SC 183 Over Twelve Mile Creek  
 Pickens, South Carolina  
 G6794.001 Task 002

**LOG OF BORING No. C-14**

Latitude: 34.87554  
 Longitude: -82.74406

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 902
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
	0.4	ASPHALT (5")																	
		Medium Dense to Loose, Moist, Brown, Silty Fine to Medium SAND (SM)		1.0	DS-1	12	16	23		15									
				2.0	DS-2	6	9	11		9									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																	

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 002 - SC 183 RBO TWELVE MILE CREEK.GPJ\_FME2017.GDT 3/8/23



SC 183 Over Twelve Mile Creek  
 Pickens, South Carolina  
 G6794.001 Task 002

**LOG OF BORING No. C-15**

Latitude: 34.87556  
 Longitude: -82.74407

Date Drilled: 2/14/2023	Supervisor: C. Thomas
Date Completed: 2/14/2023	Approx. Ground Elevation (ft): 903
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (7.5")																	
	0.6	Very Stiff to Stiff, Moist, Brown, Fine to Medium Sandy SILT (ML)		1.0	DS-1	10	25+			18+									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.		2.0	DS-2	12	12	12		10									

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 002 - SC 183 RBO TWELVE MILE CREEK.GPJ\_FME2017.GDT 3/8/23



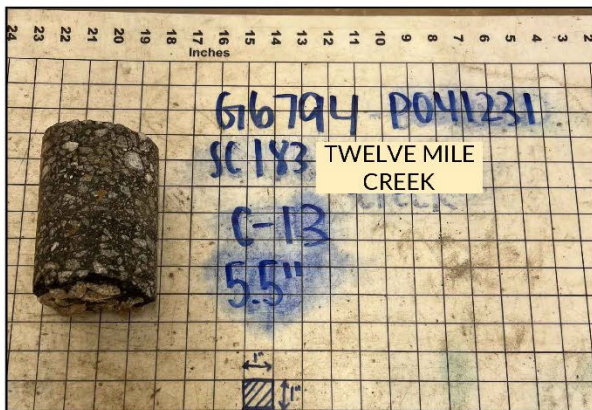
# **APPENDIX C**

## **Core Photos**

SC 183 OVER TWELVE MILE CREEK



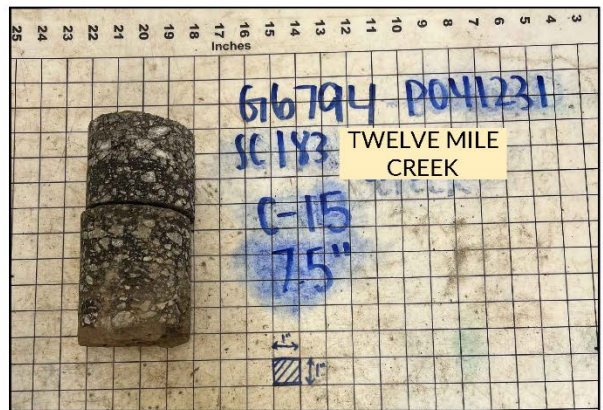
C-12 & C-13 (LOOKING WEST)



SC 183 OVER TWELVE MILE CREEK



C-14 & C-15 (LOOKING WEST)



# **SC 124 Over Georges Creek**

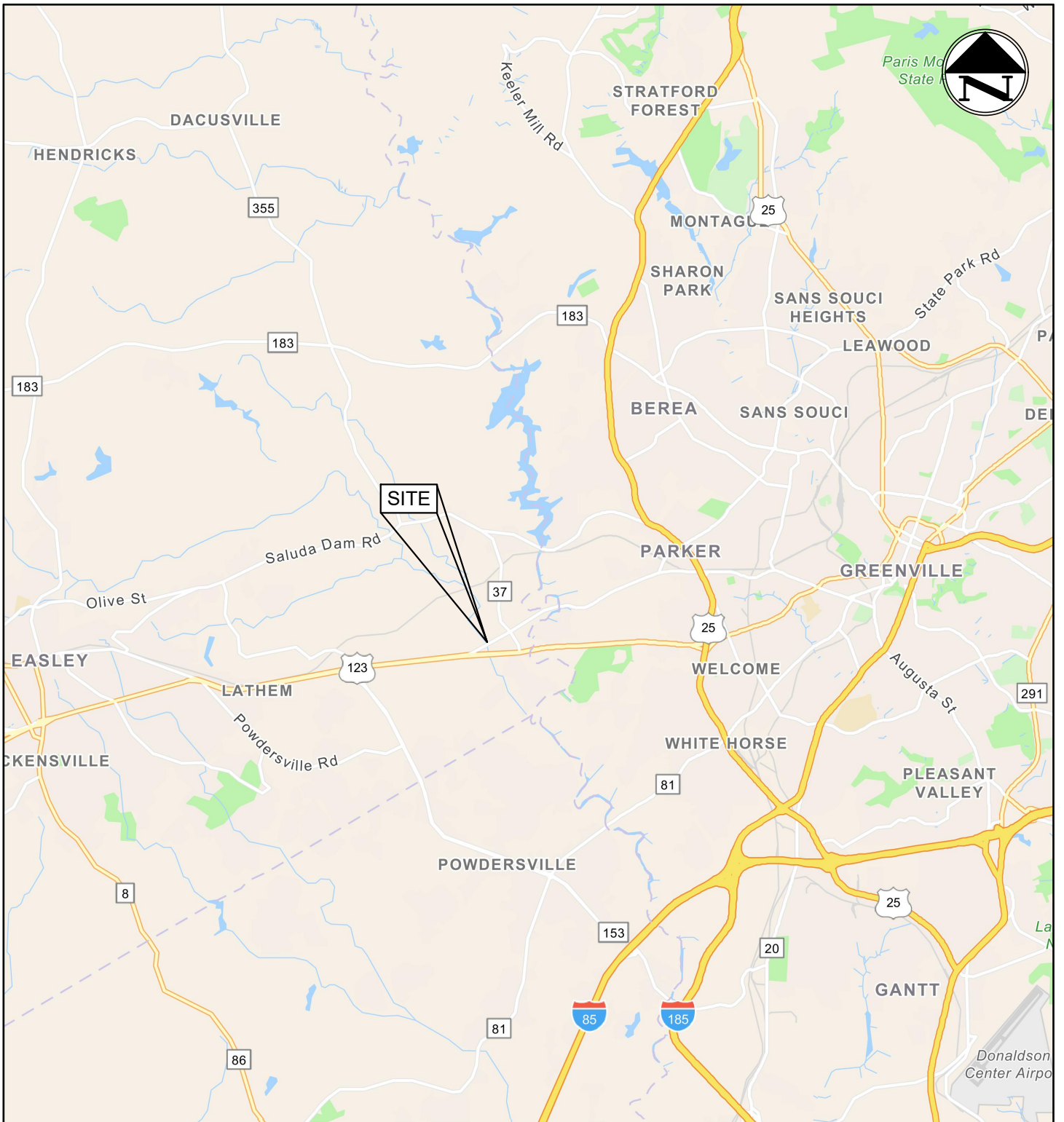
## **Pavement Exploration**

# **APPENDIX A**

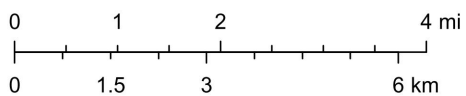
## **Location Plans**







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F&M CONSULTANTS, INC.  
COLUMBIA, SC

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REV.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.	CTC	DATE	2.24.23	GROUP -- --
R/W		DATE		

SC 124 OVER GEORGES CREEK  
PICKENS COUNTY, SOUTH CAROLINA

SITE LOCATION PLAN

SCDOT PROJECT ID: P041232

FME JOB NO. G6794.001


SCALE: AS NOTED

FIGURE 1

TEST DATA							
Boring ID	Test Type	Northing	Easting	Latitude	Longitude	Test Elevation (MSL)	Test Depth (FT)
C-7	DCP Hand Auger / Core	1094628	1550577	34.83283	-82.49758	822.93100	2.5
C-8	DCP Hand Auger / Core	1094637	1550576	34.83285	-82.49759	823.10000	2.5
C-9	DCP Hand Auger / Core	1094738	1550822	34.83314	-82.49677	821.97200	2.5
C-10	DCP Hand Auger / Core	1094744	1550820	34.83316	-82.49678	822.10600	2.5



**LEGEND:**

 PAVEMENT CORING LOCATION

4			
3			
2			
1			
REV.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.	CTC	DATE 2.24.23	GROUP
R/W		DATE	

**F&ME** CONSULTANTS, INC.  
COLUMBIA, SC

SC 124 OVER GEORGES CREEK  
PICKENS COUNTY, SOUTH CAROLINA

CORING LOCATION PLAN

SCDOT PROJECT ID: P041232      FME JOB NO. G6794.001  
SCALE: 1"=40'      FIGURE 2



# **APPENDIX B**

## **Soil Boring Logs**



SC 124 Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 003

**LOG OF BORING No. C-7**

Latitude: 34.83283  
 Longitude: -82.49758

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 823
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	1st 6" 2nd 6" 3rd 6" 4th 6"				N Value	STD. PENETRATION TEST DATA (blows/ft)					
						5	10	20	40		70					
		ASPHALT (8.5")														
	0.7	Very Stiff, Moist, Brown, CLAY (CL) with Fine to Medium Sand		1.0	DS-1	25+				18+						
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.		2.0	DS-2	25+				18+						

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 003 - SC 124 RBO GEORGES CREEK.GPJ\_FME2017.GDT\_3/8/23



SC 124 Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 003

**LOG OF BORING No. C-8**

Latitude: 34.83285  
 Longitude: -82.49759

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 823
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value
						1st 6"	2nd 6"	3rd 6"	4th 6"	
	0.5	ASPHALT (5.5")								
	0.5	CONCRETE (7")								
	1.0	Loose, Moist, Red, Clayey Fine to Medium SAND (SC)		1.0	DS-1	8	8	14		9
	2.0			2.0	DS-2	18	12	7		9
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.								

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 003 - SC 124 RBO GEORGES CREEK.GPJ\_FME2017.GDT\_3/8/23



SC 124 Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 003

**LOG OF BORING No. C-9**

Latitude: 34.83314  
 Longitude: -82.49677

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 822
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	1st 6" 2nd 6" 3rd 6" 4th 6"				N Value	STD. PENETRATION TEST DATA (blows/ft)					
						5	10	20	40		70					
		ASPHALT (7")														
	0.6	Stiff to Soft, Moist, Reddish Brown, CLAY (CL) with Fine to Medium Sand		1.0	DS-1	4	14	9		9						
				2.0	DS-2	4	5	4		4						
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.														

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 003 - SC 124 RBO GEORGES CREEK.GPJ\_FME2017.GDT\_3/8/23



SC 124 Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 003

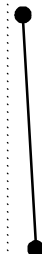
**LOG OF BORING No. C-10**

Latitude: 34.83316  
 Longitude: -82.49678

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 822
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value
						1st 6"	2nd 6"	3rd 6"	4th 6"	
	0.5	ASPHALT (6.5")								
	1.1	CONCRETE (7")								
	1.1	Firm, Moist, Brown, CLAY (CL) with Fine to Medium Sandy		1.1	DS-1	15	6	8		6
	2.0			2.0	DS-2	6	8	8		7
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.								



**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

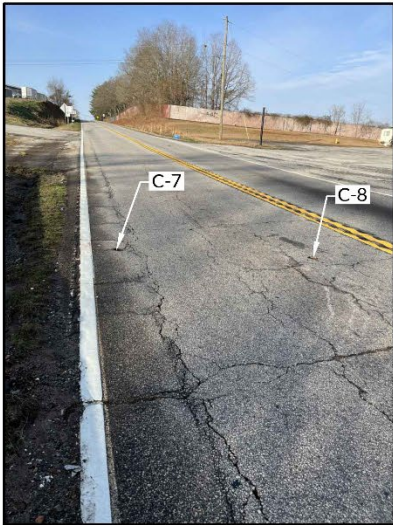
F&ME PRIVATE LOG\_G6794.01 - TASK 003 - SC 124 RBO GEORGES CREEK.GPJ\_FME2017.GDT\_3/8/23

# **APPENDIX C**

## **Core Photos**



SC 124 OVER GEORGES CREEK



C-7 & C-8 (LOOKING SOUTHWEST)

SC 124 OVER GEORGES CREEK



C-9 & C-10 (LOOKING SOUTHWEST)



# **US 123 SB Over Georges Creek**

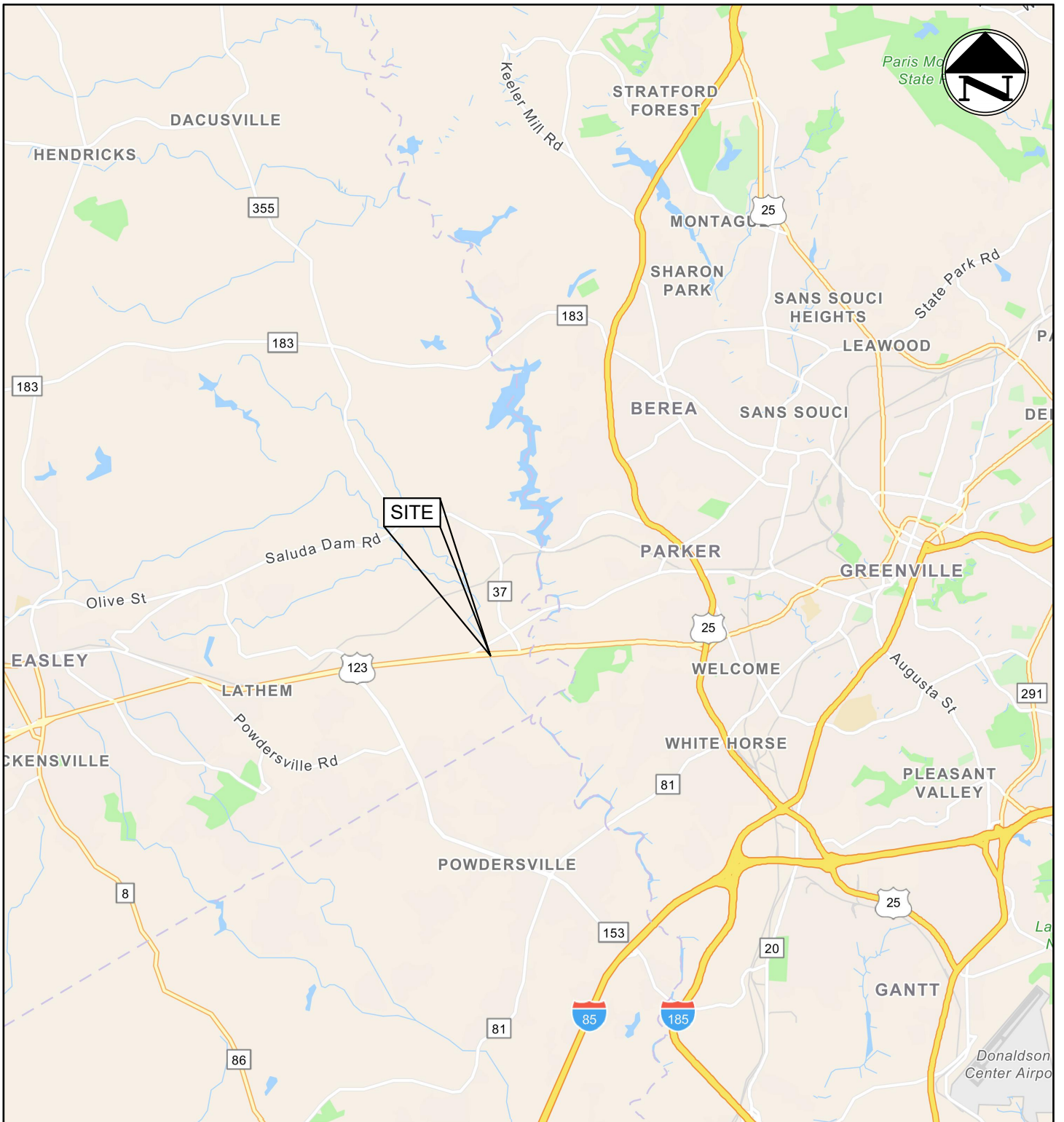
## **Pavement Exploration**

# **APPENDIX A**

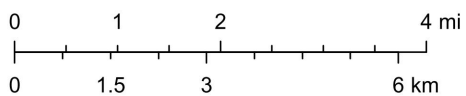
## **Location Plans**







1:144,000



F&M CONSULTANTS, INC.  
COLUMBIA, SC

4				
3				
2				
1				
REV.	BY	DATE	DESCRIPTION OF REVISION	
TOPO.		DATE		
DWG.	CTC	DATE 2.24.23	GROUP	--
R/W		DATE		

US 123 SB OVER GEORGES CREEK  
PICKENS COUNTY, SOUTH CAROLINA

SITE LOCATION PLAN

SCDOT PROJECT ID: P041233

FME JOB NO. G6794.001

SCALE: AS NOTED

FIGURE 1






TEST DATA							
Boring ID	Test Type	Northing	Easting	Latitude	Longitude	Test Elevation (MSL)	Test Depth (FT)
C-1	DCP Hand Auger / Core	1094094	1551135	34.83138	-82.49570	837.79800	2.5
C-2	DCP Hand Auger / Core	1094086	1550582	34.83134	-82.49754	842.54700	2.5
C-3	Core	1094096	1550575	34.83136	-82.49756	842.86400	0.9
C-4	DCP Hand Auger / Core	1094101	1550573	34.83138	-82.49757	842.84100	2.5
C-5	Core	1094109	1551142	34.83142	-82.49567	837.91500	0.9
C-6	DCP Hand Auger / Core	1094104	1551141	34.83141	-82.49568	838.01200	2.5



**LEGEND:**



PAVEMENT CORING LOCATION

4			
3			
2			
1			
REV.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.	CTC	DATE 2.24.23	GROUP
R/W		DATE	



**F&ME CONSULTANTS, INC.**  
COLUMBIA, SC

US 123 SB OVER GEORGES CREEK  
PICKENS COUNTY, SOUTH CAROLINA

CORING LOCATION PLAN

SCDOT PROJECT ID: P041233      FME JOB NO. G6794.001  
SCALE: 1"=50'      FIGURE 2

# **APPENDIX B**

## **Soil Boring Logs**



US 123 SB Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 004

**LOG OF BORING No. C-1**

Latitude: 34.83138  
 Longitude: -82.4957

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 838
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value										
						1st 6"	2nd 6"	3rd 6"	4th 6"											
		ASPHALT (12")																		
	1.0	Medium Dense, Moist, Brown, Fine to Medium SAND (SP-SM) with Silt		1.0	DS-1	11	25+			18+										
	2.0			2.0																
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																		

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 004 - US 123 SB RBO GEORGES CREEK.GPJ FME2017.GDT 3/8/23



US 123 SB Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 004

**LOG OF BORING No. C-2**

Latitude: 34.83134  
 Longitude: -82.49754

Date Drilled: 2/13/2023	Supervisor: C. Thomas	Notes: Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 843	
Drill Machine: Auger	Drilling Method: HA/DCP	
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR	

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	1st 6"	2nd 6"	3rd 6"	4th 6"	N Value	STD. PENETRATION TEST DATA (blows/ft)						
											5	10	20	40	70		
		ASPHALT (10")															
	0.8	Medium Dense, Moist, Brown, Fine to Medium SAND (SP-SM) with Silt		1.0	DS-1	25+				18+							
				2.0	DS-2	25+				18+							
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.															

**LEGEND**

SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing	PHD - Percussion Hammer Drill

F&ME PRIVATE LOG\_G6794.01 - TASK 004 - US 123 SB RBO GEORGES CREEK.GPJ FME2017.GDT 3/8/23





**US 123 SB Over Georges Creek  
Pickens, South Carolina  
G6794.001 Task 004**

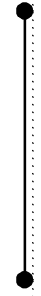
**LOG OF BORING No. C-4**

Latitude: 34.83138  
Longitude: -82.49757

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 843
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

**Notes:**  
Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value										
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70					
		ASPHALT (12.5")																		
	1.0	Medium Dense, Moist, Brown, Fine to Medium SAND (SP-SM) with Silt		1.0	DS-1	25+				18+										
	2.0			2.0																
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																		



**LEGEND**

<b>SAMPLER TYPE</b> SS - Split Spoon ST - Undisturbed Sample AWG - Rock Core, 1-1/8"		<b>SAMPLER TYPE</b> NQ - Rock Core, 1-7/8" CU - Cuttings CT - Continuous Tube		<b>DRILLING METHOD</b> HSA - Hollow Stem Auger CFA - Continuous Flight Augers DC - Driving Casing		<b>DRILLING METHOD</b> RW - Rotary Wash RC - Rock Core PHD - Percussion Hammer Drill	
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F&ME PRIVATE LOG\_G6794.01 - TASK 004 - US 123 SB RBO GEORGES CREEK\_GPJ\_FME2017.GDT\_3/8/23



US 123 SB Over Georges Creek  
 Pickens, South Carolina  
 G6794.001 Task 004

**LOG OF BORING No. C-6**

Latitude: 34.83141  
 Longitude: -82.49568

Date Drilled: 2/13/2023	Supervisor: C. Thomas
Date Completed: 2/13/2023	Approx. Ground Elevation (ft): 838
Drill Machine: Auger	Drilling Method: HA/DCP
Water T.O.B. (ft): Dry	Water 24 HR (ft): NR

Notes:  
 Dynamic Cone for Shallow In-Situ Penetration Testing per Sowers and Hedges (1966).

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample Type-No.	STD. PENETRATION TEST DATA (blows/ft)				N Value									
						1st 6"	2nd 6"	3rd 6"	4th 6"		5	10	20	40	70				
		ASPHALT (11.5")																	
	1.0	Loose, Moist, Brown, Fine to Medium SAND (SP-SM) with Silt		1.0	DS-1	10	13	10		9									
	2.0			2.0	DS-2	9	12	11		9									
	2.5	Boring Terminated at 2.5 Feet Below Ground Surface.																	

**LEGEND**

SAMPLER TYPE		DRILLING METHOD
SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger
ST - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers
AWG - Rock Core, 1-1/8"	CT - Continuous Tube	DC - Driving Casing
		RW - Rotary Wash
		RC - Rock Core
		PHD - Percussion Hammer Drill

# **APPENDIX C**

## **Core Photos**

SC 123 OVER GEORGES CREEK



C-1 (LOOKING WEST)

SC 123 OVER GEORGES CREEK



C-5 & C-6 (LOOKING WEST)

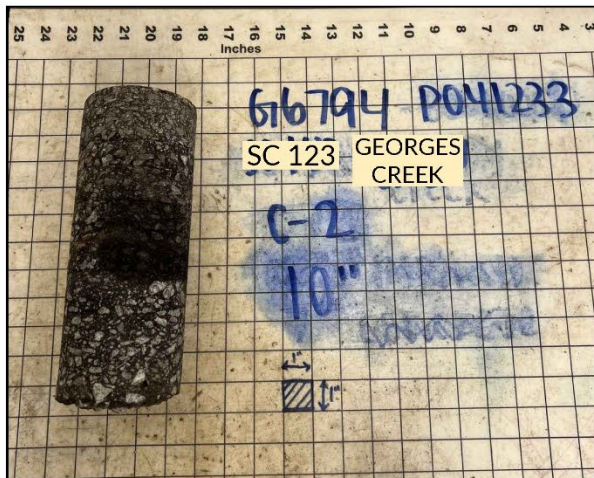




SC 123 OVER GEORGES CREEK



C-2 (LOOKING WEST)



SC 123 OVER GEORGES CREEK



C-3 & C-4 (LOOKING WEST)

