



ADDENDUM NO. TWO

ISSUE DATE: December 02, 2024

PROJECT: Def. Maint: Roads, Parking Lots, Sidewalks, Walkways – Parking Lot F
PROJECT NO.: H18-9584-PD-B4

ADDENDUM SECTIONS:

RESPONSE TO PRE-BID QUESTIONS/NOTATIONS

1. The scale shown on Sheet C2.0 in the drawing set was incorrect. The scale was previously shown as a 30' scale, but it should be a 40' scale. Please see revised construction drawings for updated scale.

QUESTIONS DEADLINE: Monday, November 25 @ 5:00 PM

BID DUE DATE IS: Monday, December 09 @ 2:00 PM

You must acknowledge receipt of all addenda on the appropriate line on the bid form.

SE-310 INVITATION FOR DESIGN-BID-BUILD CONSTRUCTION SERVICES

AGENCY: Francis Marion University

PROJECT NAME: Deferred Maintenance: Roads, Parking Lots, Sidewalks, and Walkways - Parking Lot F

PROJECT NUMBER: H18-9584-PD-B4 CONSTRUCTION COST RANGE: \$450,000 to \$500,000

PROJECT LOCATION: Parking Lot F

DESCRIPTION OF PROJECT/SERVICES: (450 character limit)

Asphalt pavement rehabilitation for Parking Lot F

BID/SUBMITTAL DUE DATE: 12/09/2024 TIME: 02:00 PM NUMBER OF COPIES: 1

PROJECT DELIVERY METHOD: Design-Bid-Build

AGENCY PROJECT COORDINATOR: Taylor McMillan

EMAIL: taylor.mcmillan2@fmarion.edu TELEPHONE: (843) 661-1488

DOCUMENTS OBTAINED FROM: <https://www.fmarion.edu/facilitiesmanagement/>

BID SECURITY IS REQUIRED IN AN AMOUNT NOT LESS THAN 5% OF THE BASE BID.

PERFORMANCE AND LABOR & MATERIAL PAYMENT BONDS: The successful Contractor will be required to provide Performance and Labor and Material Payment Bonds, each in the amount of 100% of the Contract Price.

DOCUMENT DEPOSIT AMOUNT: \$0.00 **IS DEPOSIT REFUNDABLE:** Yes No N/A

Bidders must obtain Bidding Documents/Plans from the above listed source(s) to be listed as an official plan holder. Bidders that rely on copies obtained from any other source do so at their own risk. All written communications with official plan holders & bidders will be via email or website posting.

Agency **WILL NOT** accept Bids sent via email.

All questions & correspondence concerning this Invitation shall be addressed to the A/E.

A/E NAME: Chao & Associates, Inc. A/E CONTACT: Gerald A. Lee, PE

EMAIL: geraldl@chaoinc.com TELEPHONE: (803) 772-8420

PRE-BID CONFERENCE: Yes No MANDATORY ATTENDANCE: Yes No

PRE-BID DATE: 11/20/2024 TIME: 10:00 AM

PRE-BID PLACE: FMU - Physical Plant/Campus Police Building - 4822 E. Palmetto St. Florence, SC 29506

BID OPENING PLACE: FMU - Physical Plant/Campus Police Building - 4822 E. Palmetto St. Florence, SC 29506

BID DELIVERY ADDRESSES:

HAND-DELIVERY:

Attn: Taylor McMillan

Francis Marion University - Physical Plant

4822 E. Palmetto Street Florence, SC 29506

MAIL SERVICE:

Attn: Taylor McMillan

P.O. Box 100547

Florence, SC 29502-0547

IS PROJECT WITHIN AGENCY CONSTRUCTION CERTIFICATION? Yes No

APPROVED BY: _____

(OSE PROJECT MANAGER)

DATE: _____

Construction Plans

For

Francis Marion University

Def. Maint: Roads, Parking Lots, Sidewalks, Walkways - Parking Lot F

State Project No: H18-9584-PD-B4

Contact: Taylor McMillian

Tel: (843) 661-1488

Email: taylor.mcmillian2@fmarion.edu



Prepared by:
Chao & Associates, Inc.
Consulting Engineers

C & A #: 392912-22

Please note that all work must be completed within 90 days of the Date of Commencement in the Notice to Proceed.

ZONING CERTIFICATION

"I hereby certify that, to the best of my knowledge, these plans comply with all applicable zoning ordinances, and that plans have been submitted to appropriate authority for their review and/or approval."

Engineer: Taylor McMillian Date: 10-28-24

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS

FLOOD HAZARD AREA

Flood Map Information: Flood Zone: X
Community Number: 450076 Panel Number: 45041C0167E

Is the Project Site in a 100-Year Floodplain? Yes No
Base Flood Elevation (NGVD or FIRM) N/A
Design Flood Elevation (IBC 1612.3 and ASCE 24) N/A

EROSION AND SEDIMENT REDUCTION/STORMWATER MANAGEMENT

Designer's Certification:
"I hereby certify that the measures in this plan are designed to control erosion, retain sediment on the site, and manage stormwater in a manner that neither any on-site nor off-site damage or problem is caused or increased, that all structural measures are designed to the minimum standards for health and safety, and that all the provisions of the plan are in compliance with the Regulations contained in Chapter 72, Article 2, SC Code of Regulations (Erosion and Sediment Reduction and Stormwater Management Regulations)"

Engineer: Taylor McMillian Date: 10-28-24



Chao & Associates, Inc.

Civil - Structural - Survey

7 Clusters Court

Columbia, SC 29210

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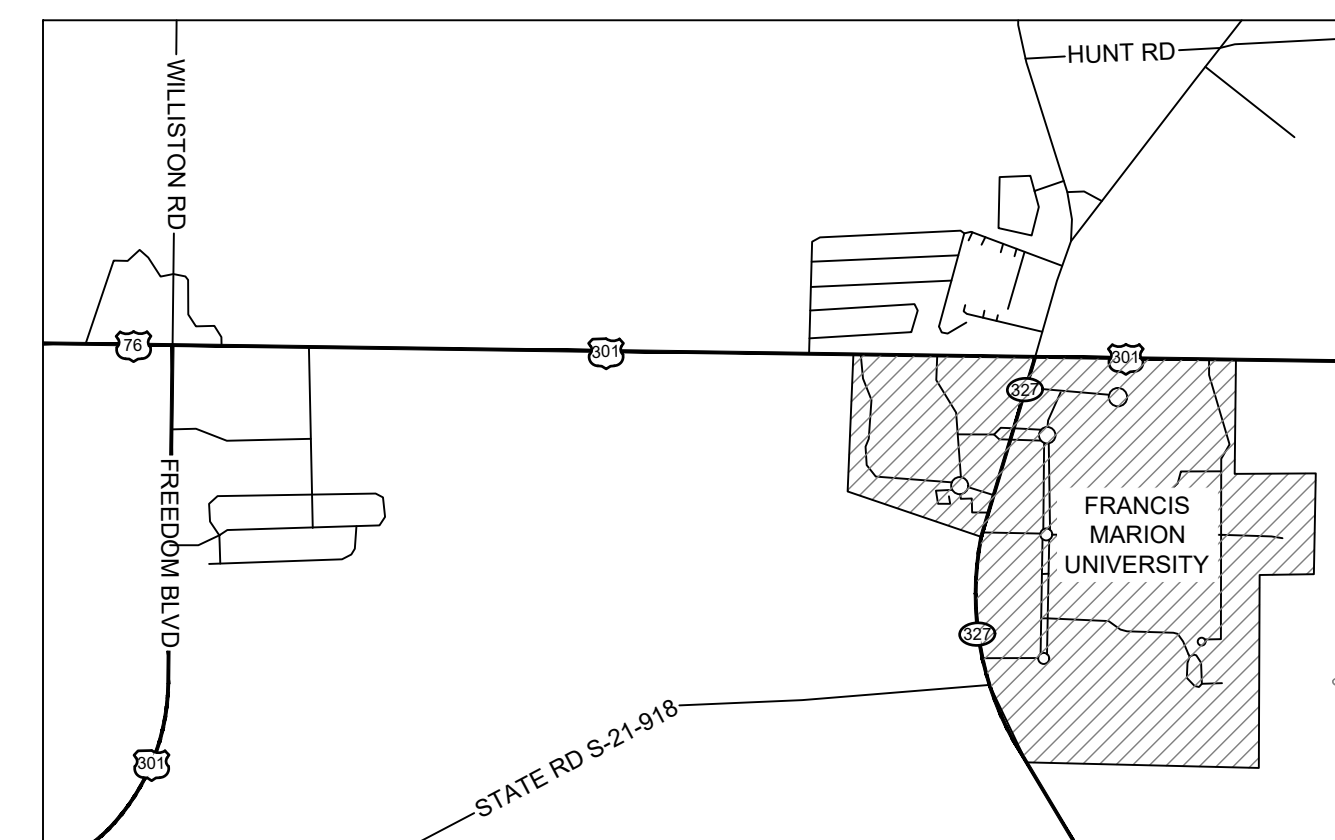
10-28-24

Drawing Index

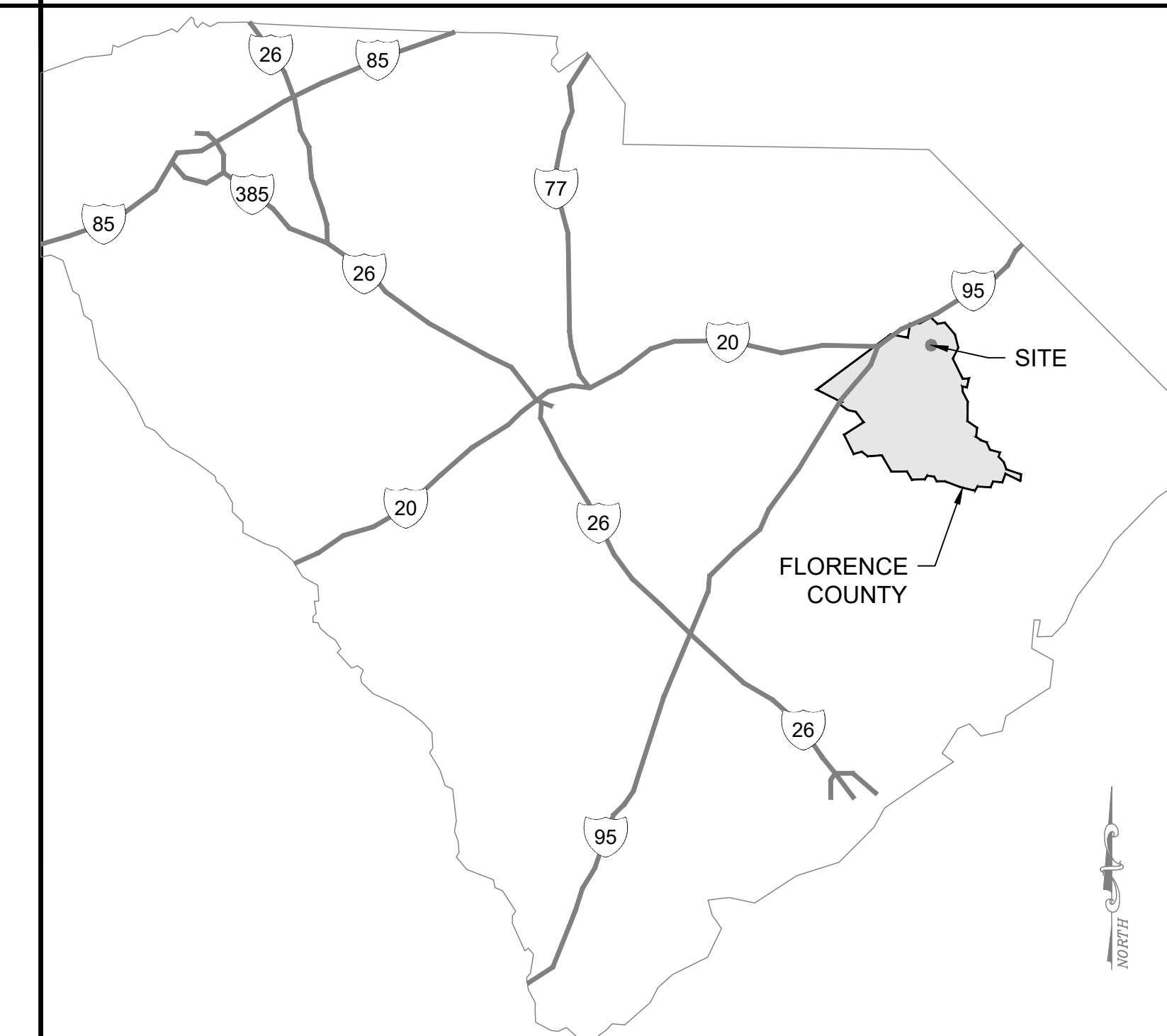
- C0.0 - Key Plan
- C1.0 - Existing Conditions & Repair Plan for Lot F
- C2.0 - Pavement Striping Plan for Lot F
- C3.0 - Construction Details

Location Map

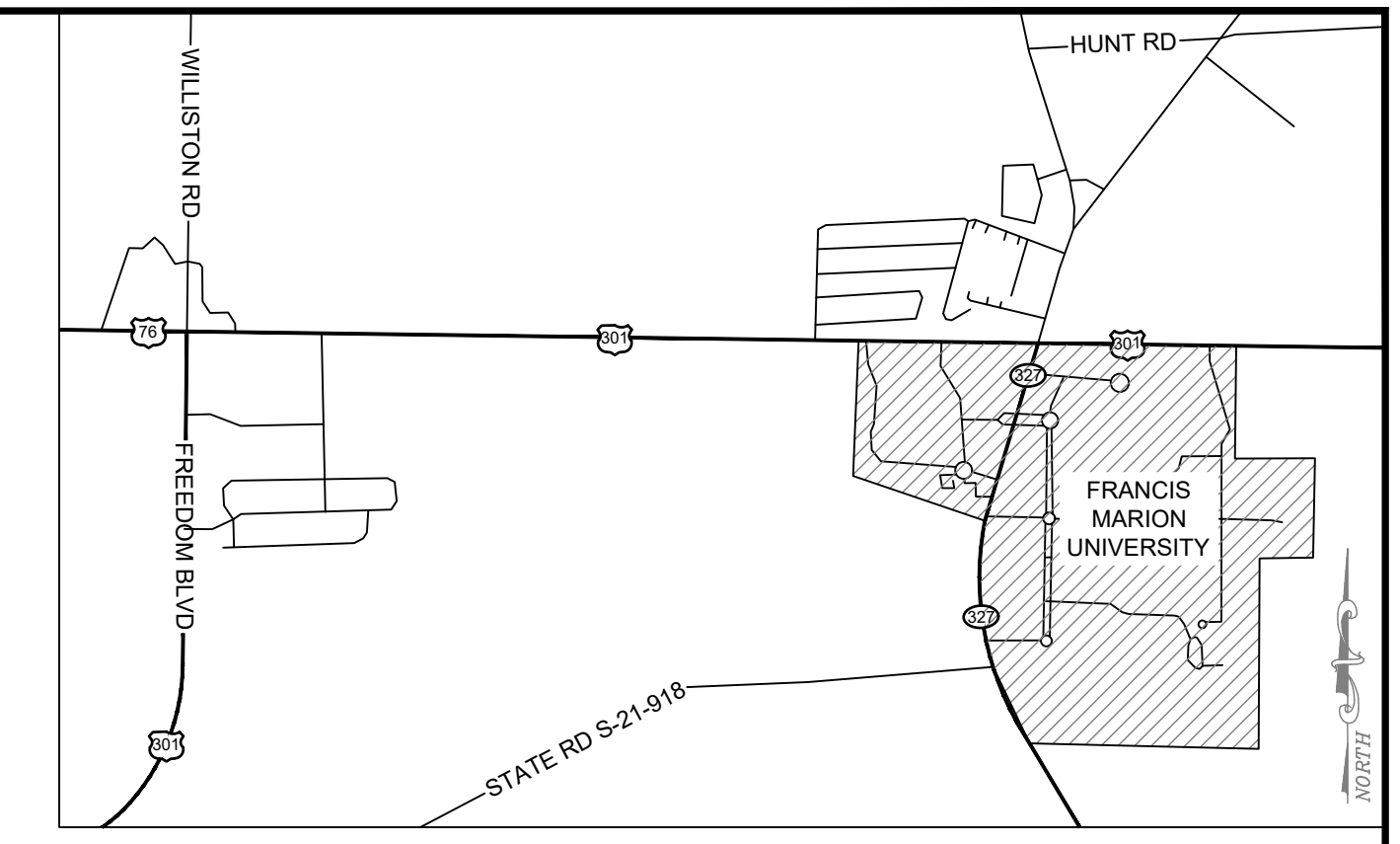
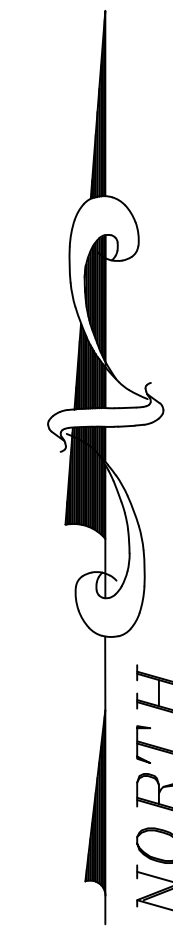
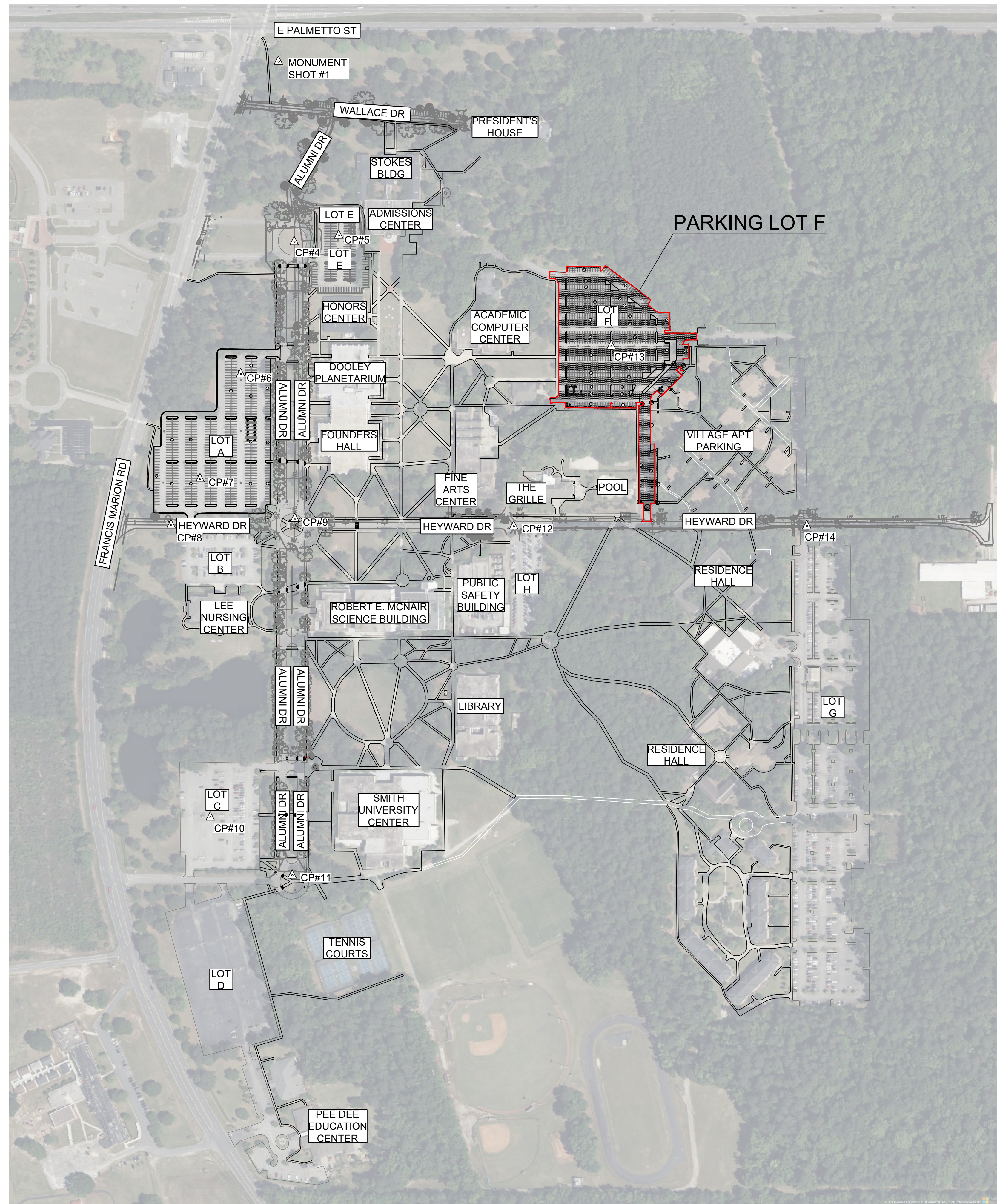
County of Florence
Scale: Not to Scale



State of South Carolina
Scale: 1" = 30 Miles

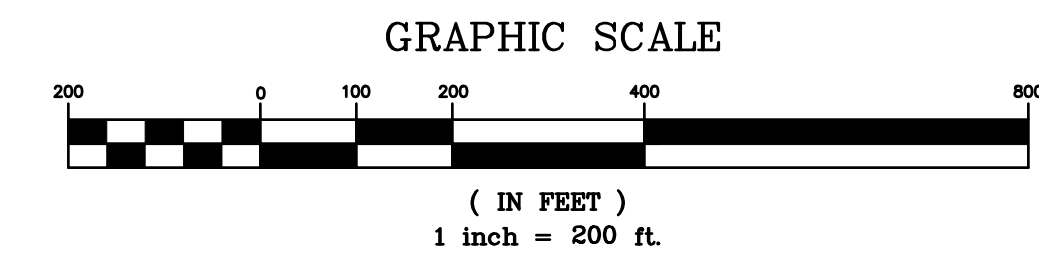


Drawing File: 392912C-B4 R1.dwg Plotted: Dec 02, 2024 - 3:36pm



Control Point Table

Point #	Raw Description	Elevation	Northing	Easting
1	MONUMENT SHOT	95.00	862236.76	2406619.86
4	CP#4	94.91	861607.11	2406675.00
5	CP#5	92.90	861629.74	2406830.06
6	CP#6	92.37	861146.18	2406488.47
7	CP#7	93.40	860780.00	2406346.50
8	CP#8	92.26	860619.20	2406245.52
9	CP#9	93.82	860641.49	2406677.09
10	CP#10	91.97	859598.88	2406382.06
11	CP#11	92.93	859396.61	2406667.86
12	CP#12	92.49	860614.77	2407440.56
13	CP#13	91.82	861243.95	2407780.91
14	CP#14	84.36	860615.93	2408463.05

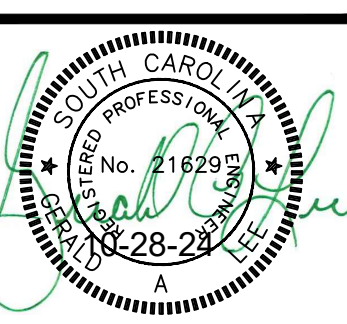


PROJECT: DEF. MAINT: ROADS, PARKING LOTS,
 SIDEWALKS, WALKWAYS -
 PARKING LOT F
 STATE PROJECT NO.: H18-9584-PD-B4

THESE DOCUMENTS AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF CHAO & ASSOCIATES, INC. AND MAY NOT BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF CHAO & ASSOCIATES, INC.



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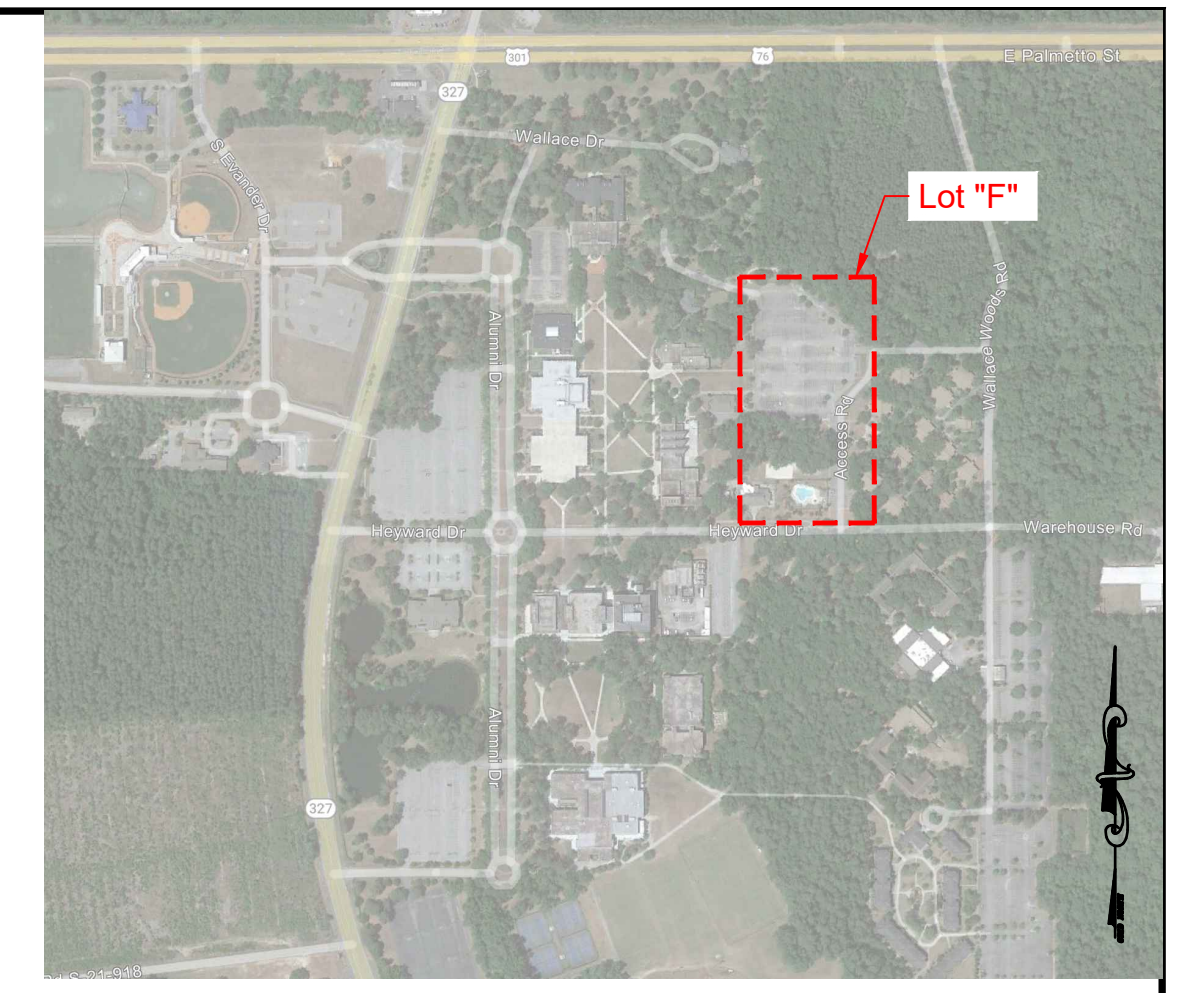
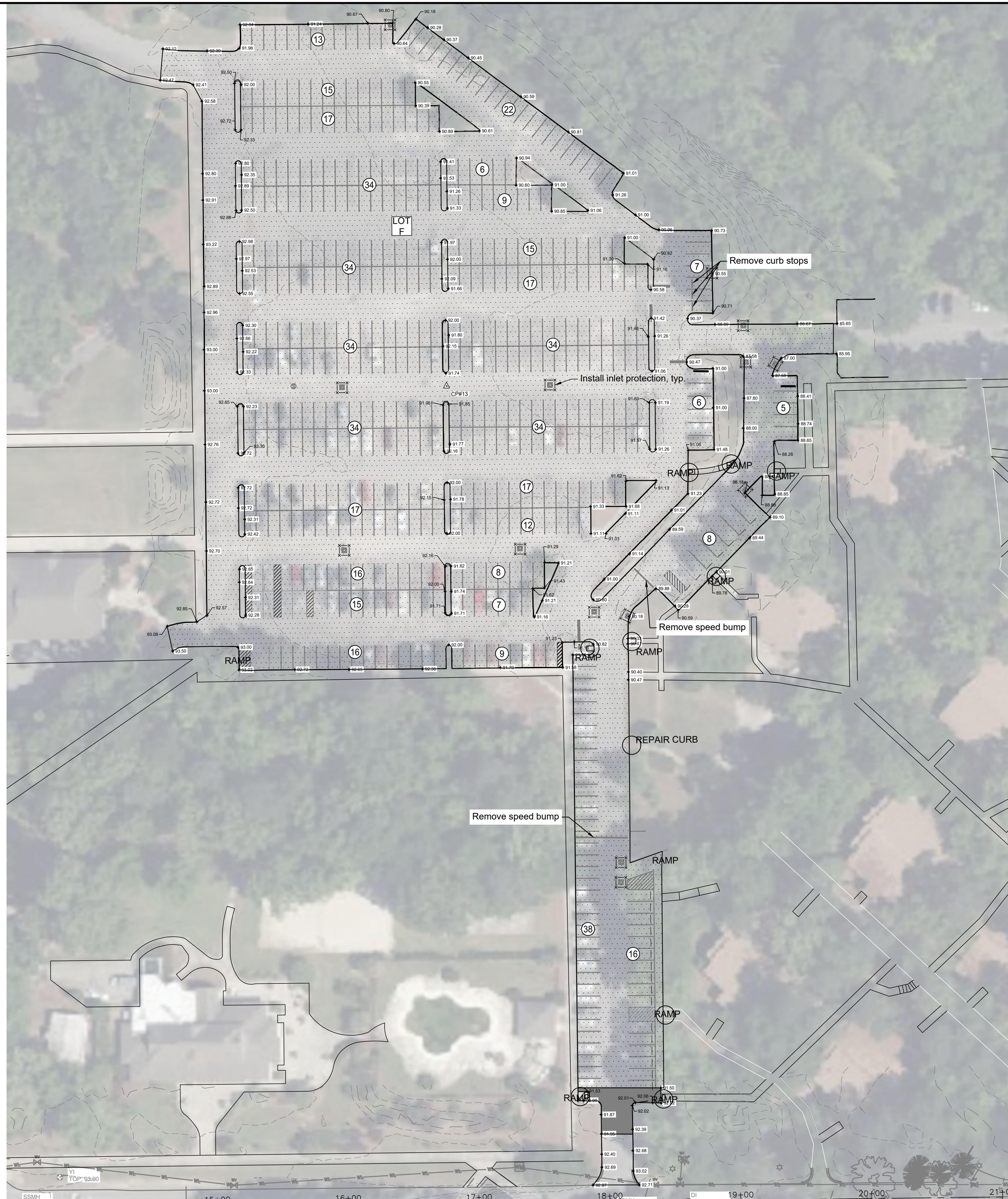


Key Plan
 Def. Maint: Roads, Parking Lots, Sidewalks, Walkways
 - Parking Lot F
 Prepared for: Francis Marion University
 Florence County, South Carolina

Designed: EYC Checked: GAL
 Revised:
 File: 392912C-B4 R1.dwg Project No.: 392912-22

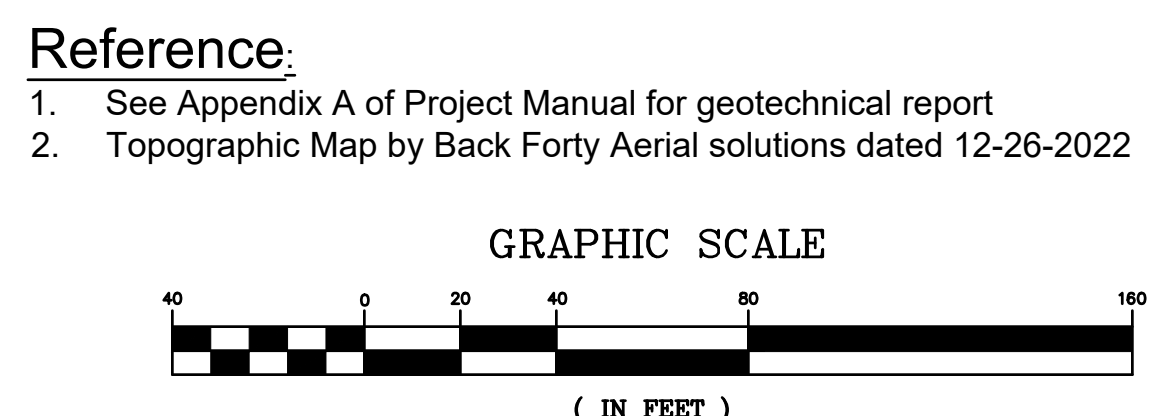
C0.0
 Sheet Number
 October 28, 2024
 Date

LEGEND	
	Fire hydrant
	Water valve
	Water meter
	Gas valve
	Sanitary sewer manhole
	Cleanout (CO)
	Natural gas line
	Sanitary sewer line
	Water line
	Fenceline
	Overhead electric
	Underground telephone
	Underground fiber optic
	Underground cable TV
	Telephone pedestal
	Curb & gutter
	Junction box (JB)
	Drop inlet (DI)
	Hood & grate inlet (H&G)
	Yard inlet (YI)
	Storm drain pipe
	Concrete sidewalk
	Power pole & guy
	Light pole
	Electrical box
	Sign
	Limits of disturbance
	Catch basin
	Inlet protection



- Notes:**
- All materials, installation and workmanship shall meet or exceed the minimum standards of South Carolina Department of Transportation.
 - All excavation for this project is unclassified. When excavating all excess material of whatever substance shall be removed and disposed of in a legal manner.
 - Contractor to repair any damage done to curbs, utilities, etc. due to construction at their expense.
 - Contractor to repair and/or replace pavement markings in accordance with the school pavement marking standards of materials, location and installation.
 - Contractor to verify exact location and depth of existing underground utility lines such as but not limited to electric, water, gas and sewer prior to excavation.
 - Contractor shall restore parking striping, handicapped signs, visitor parking signs, stop bars, traffic arrows, traffic lines, crosswalks, and painted islands, etc to original places after asphalt pavement rehabilitation is completed.
 - Contractor to protect all existing trees along work limits.
 - Contractor responsible for traffic control.
- Installation:**
- All spot grades are existing top of curb.
 - Existing curb to remain if not shown to be removed and/or replaced.
 - Contractor to overlay asphalt pavement according to the detail on sheet C3.0, where shown.
- Reference:**
- Boundary and topographic information (1-foot contour) were surveyed using LIDAR by Back Forty Aerial Solutions dated December 28, 2022.

Total Estimated Asphalt Pavement Quantities
Pavement area: 21,800 SY



PROJECT: DEF. MAINT: ROADS, PARKING LOTS, SIDEWALKS, WALKWAYS - PARKING LOT F
STATE PROJECT NO.: H18-9584-PD-B4

Drawing File: 392912C-B4 R1.dwg Plotted: Dec 02, 2024 - 3:36pm

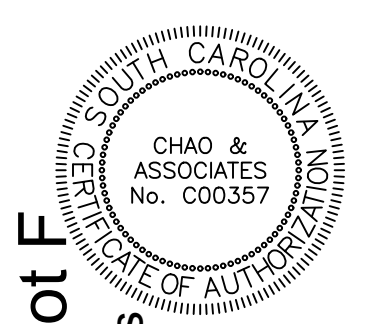


The utilities are shown for the contractor's convenience only. There may be other utilities not shown on these Plans. The Engineer assumes no responsibility to verify the locations shown and it shall be the contractor's responsibility to verify the locations of all utilities within the limits of the work. All damage made to existing utilities by the contractor shall be the sole responsibility of the contractor.

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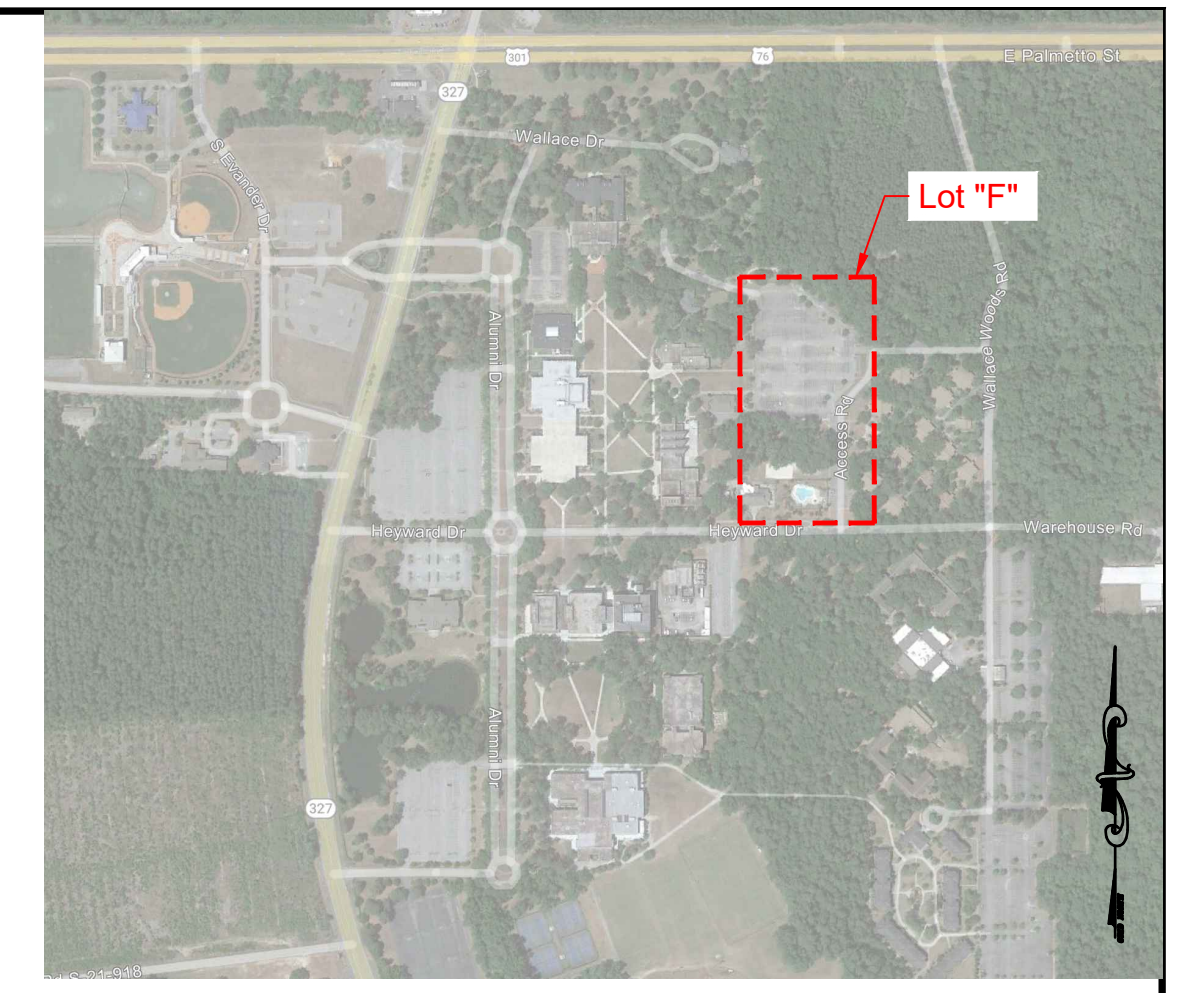
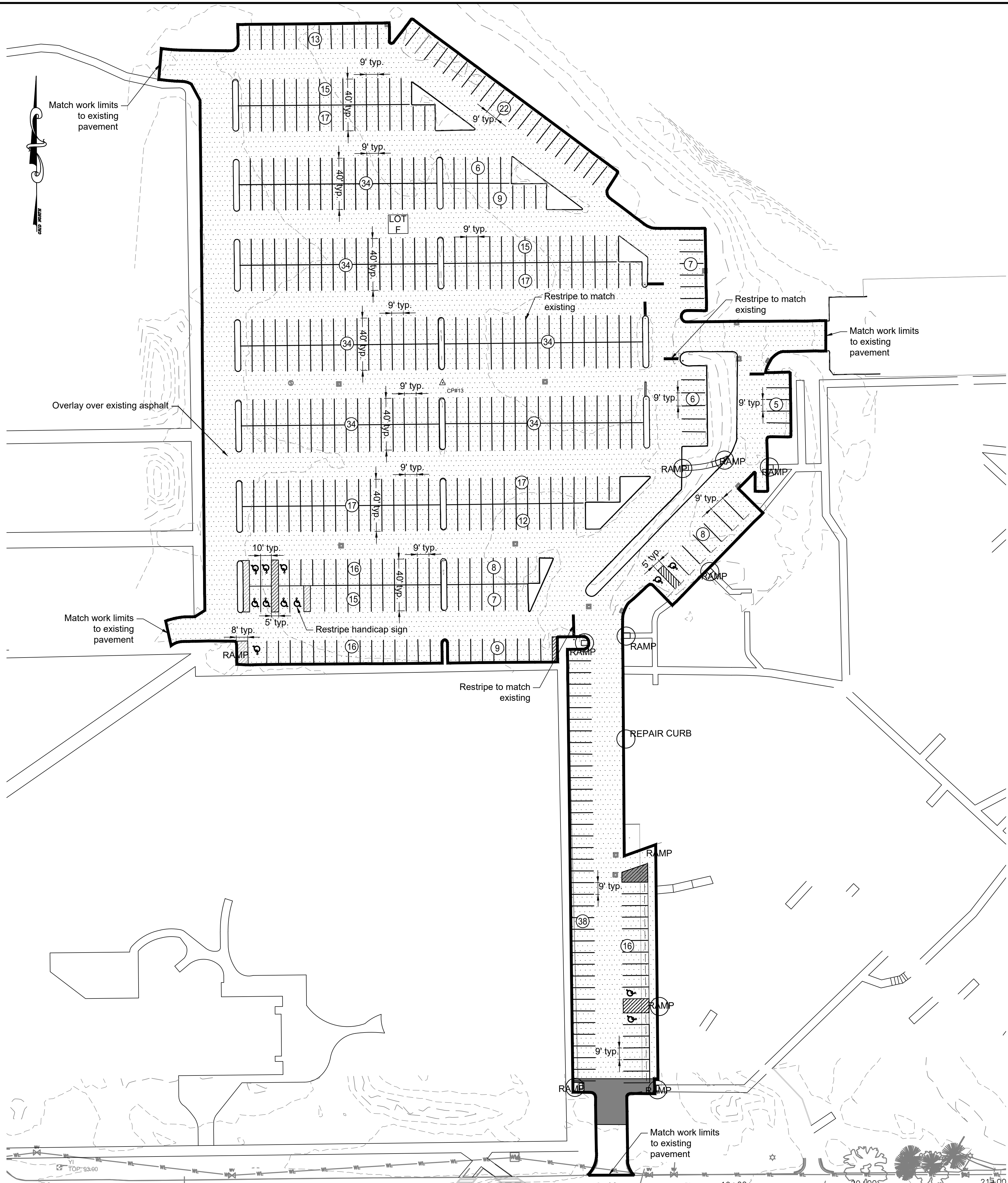


Existing Conditions & Repair Plan for Lot F
 Def. Maint: Roads, Parking Lots, Sidewalks, Walkways
 - Parking Lot F
 Prepared for: Francis Marion University
 Florence County, South Carolina

Designed: EYC Checked: GAL
 Revised:
 File: 392912C-B4 R1.dwg Project No.: 392912-22

C1.0
 Sheet Number
 October 28, 2024
 Date

LEGEND			
	Fire hydrant		Curb & gutter
	Water valve		Junction box (JB)
	Water meter		Drop inlet (DI)
	Gas valve		Hood & grate inlet (H&G)
	Sanitary sewer manhole		Yard inlet (YI)
	Cleanout (CO)		Storm drain pipe
	Natural gas line		Concrete sidewalk
	Sanitary sewer line		Power pole & guy
	Water line		Light pole
	Fenceline		Electrical box
	Overhead electric		Sign
	Underground telephone		Limits of disturbance
	Underground fiber optic		Catch basin
	Underground cable TV		Inlet protection
	Telephone pedestal		



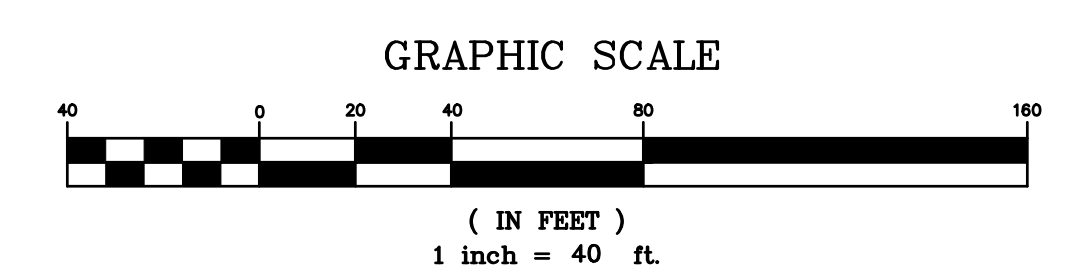
LOCATION MAP
SCALE: NTS

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STATE PROJECT NO.: H18-9584-PD-B4

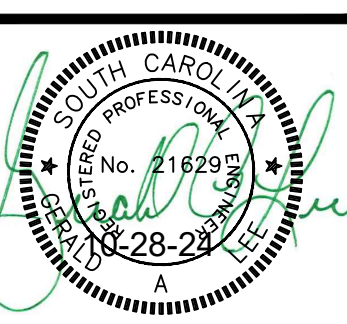
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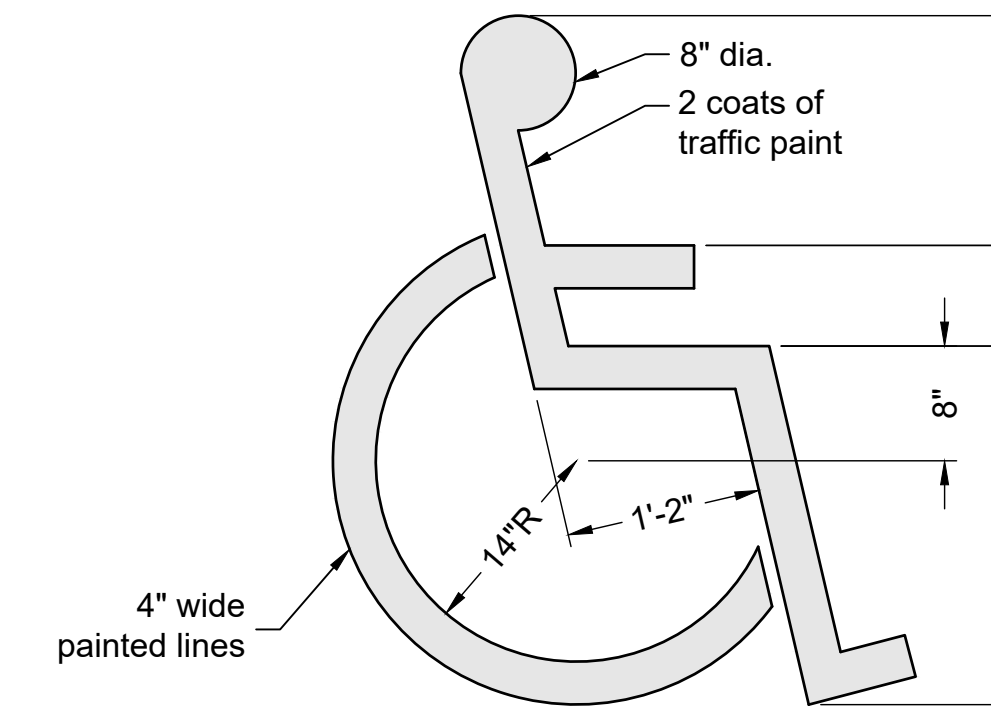


Pavement Striping Plan for Lot F
Def. Maint: Roads, Parking Lots, Sidewalks, Walkways
- Parking Lot F
Prepared for: Francis Marion University
Florence County, South Carolina

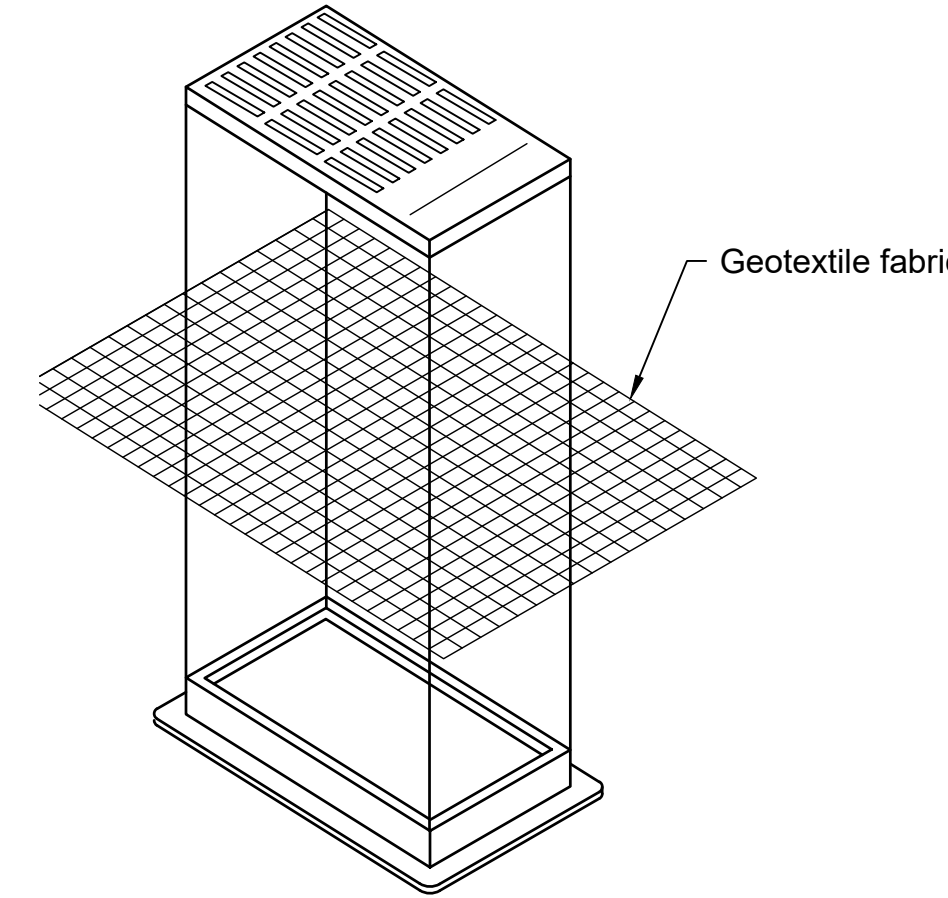
Designed: EYC Checked: GAL
Revised:
File: 392912C-B4 R1.dwg Project No.: 392912-22

C2.0
Sheet Number
October 28, 2024
Date

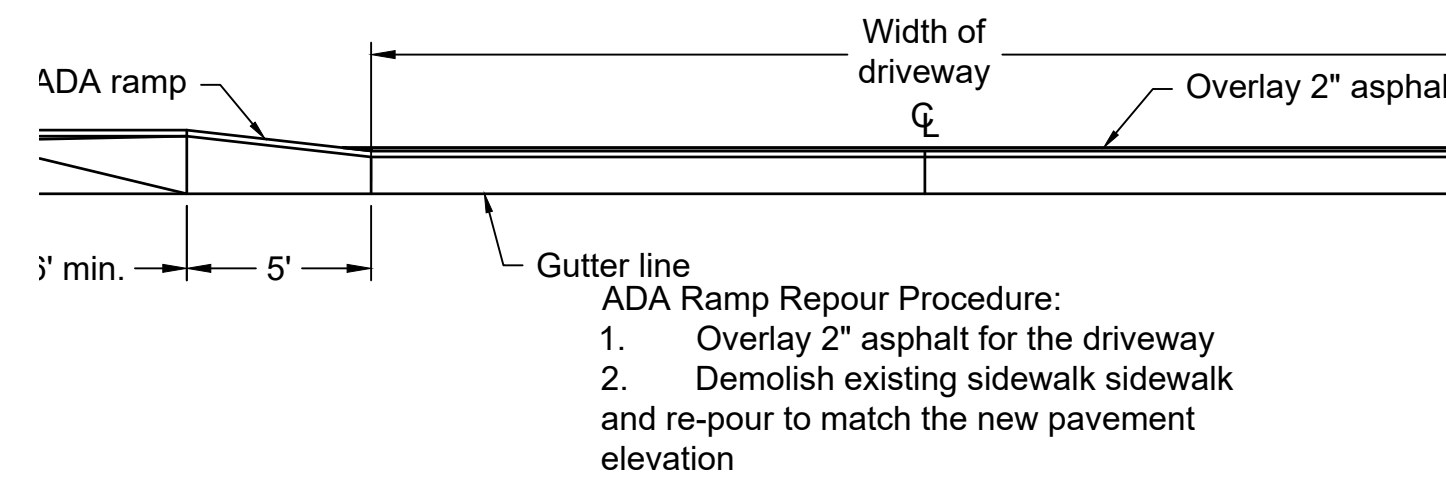
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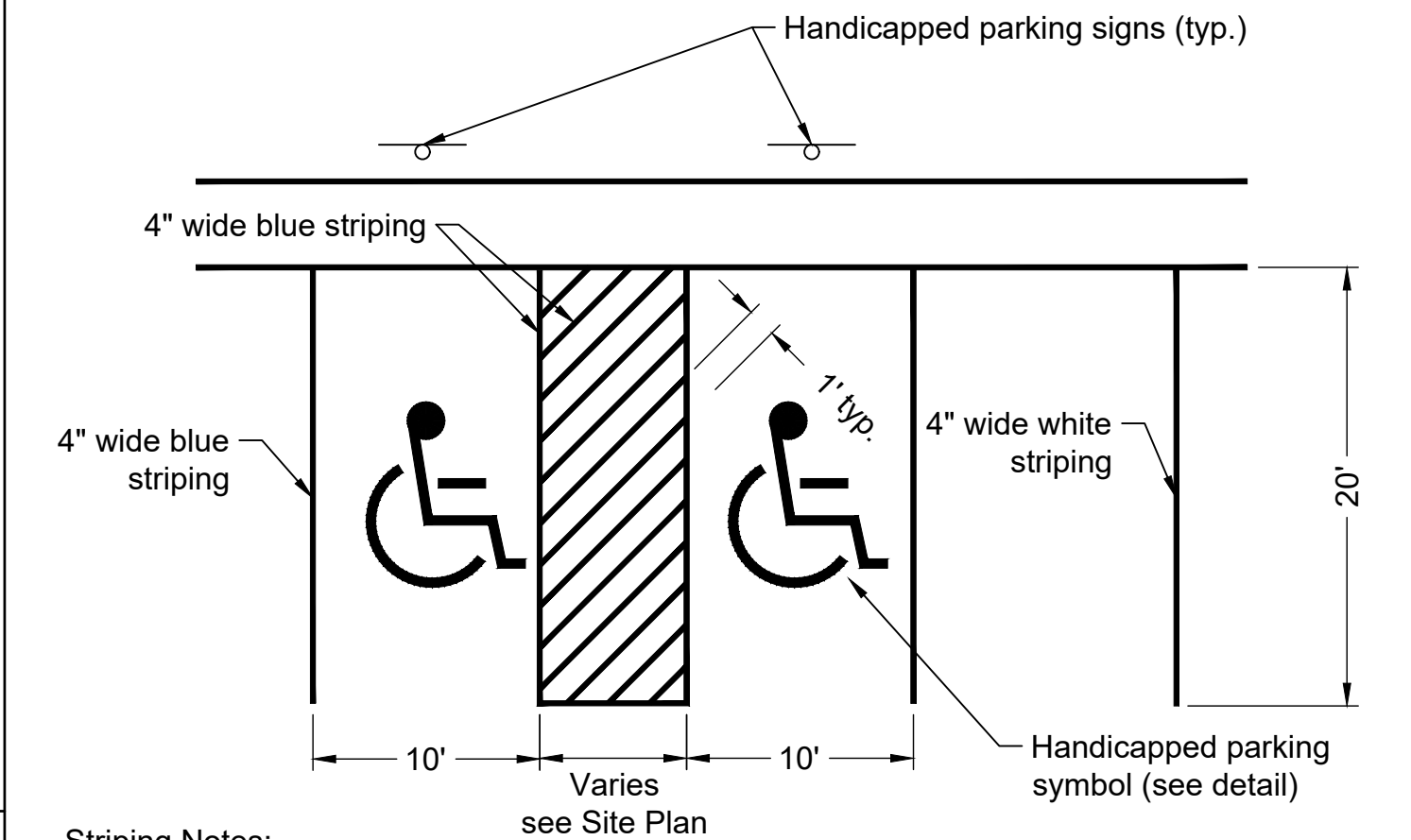
Handicap Parking Symbol Detail
Not to scale



Inlet Filter Protection Detail
Not to Scale



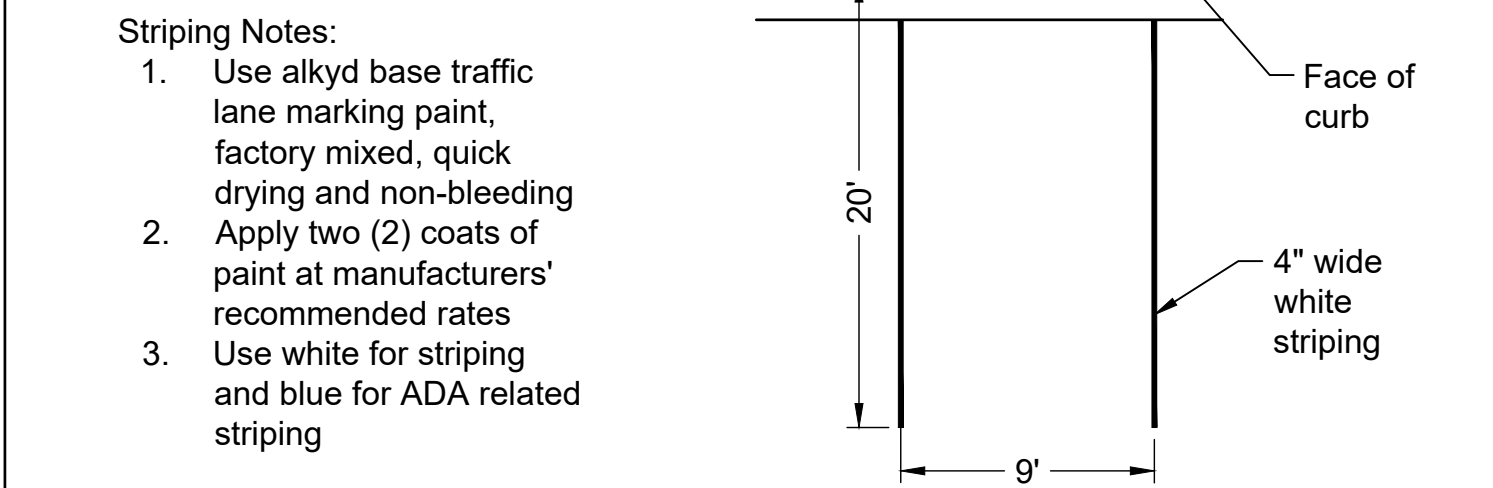
ADA Repour Ramp Detail
Not to Scale



Handicapped parking signs (typ.)
 4" wide blue striping
 4" wide white striping
 Handicapped parking symbol (see detail)
 10'
 1' typ.
 20'
 Varies see Site Plan

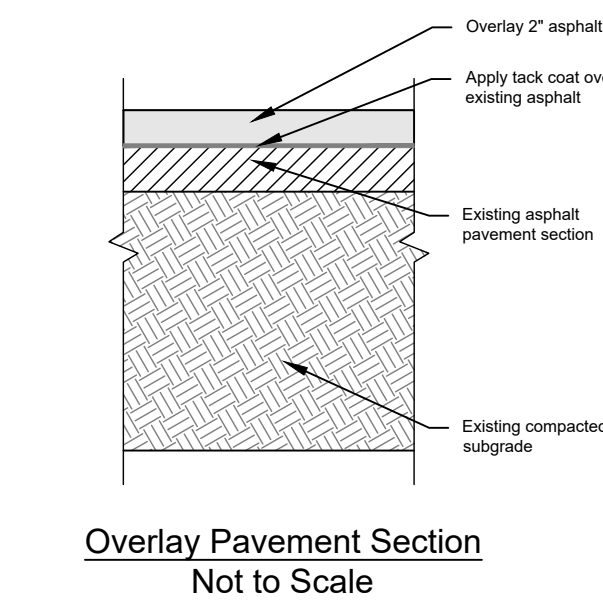
Striping Notes:
 1. Use alkyd base traffic lane marking paint, factory mixed, quick drying and non-bleeding
 2. Apply two (2) coats of paint at manufacturers' recommended rates
 3. Use white for striping and blue for ADA related striping

Typical Parking Layout
Not to Scale



Striping Notes:
 1. Use alkyd base traffic lane marking paint, factory mixed, quick drying and non-bleeding
 2. Apply two (2) coats of paint at manufacturers' recommended rates
 3. Use white for striping and blue for ADA related striping

Parking Space Layout
Not to Scale



Overlay Pavement Section
Not to Scale

Overlay Procedure:
 1. Existing surface shall be cleaned from dirt and debris.
 2. Seal all joints and edges with hot liquid asphalt.
 3. Apply a South Carolina Department of Transportation (SCDOT) approved asphalt emulsion tack coat to provide a bond between existing surface and new pavement.
 4. Place SCDOT 2" compacted depth of Type C HMA Surface Course or approval equal.
 5. Restore driveway and parking striping and markings as required.

Note:
 Contractor shall verify existing asphalt section prior to pavement rehabilitation process.

Overlay
Not to Scale



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 - Parking Lot F
 Prepared for: Francis Marion University
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Designed: EYC Checked: GAL
 Revised:
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PROJECT: DEF. MAINT: ROADS, PARKING LOTS,
 SIDEWALKS, WALKWAYS -
 PARKING LOT F
 STATE PROJECT NO.: H18-9584-PD-B4

C3.0
 Sheet Number
 October 28, 2024
 Date