Construction Plans For Francis Marion University Def. Maint: Roads, Parking Lots, Sidewalks, Walkways - Sidewalks and Lot A State Project No: H18-9584-MJ-B3

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS

FLOOD HAZARD AREA

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

Is the Project Site in a 100-Year Floodplain? Yes No
Base Flood Elevation (IBC 1612.3 and ASCE 24)

NA

EROSION AND SEDIMENT REDUCTION/STORMWATER
MANAGEMENT

Name in the project is to the pest 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."

04-16-24
Date

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS

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N/A

EROSION AND SEDIMENT REDUCTION/STORMWATER
MANAGEMENT

"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"

04-16-24 Date 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.

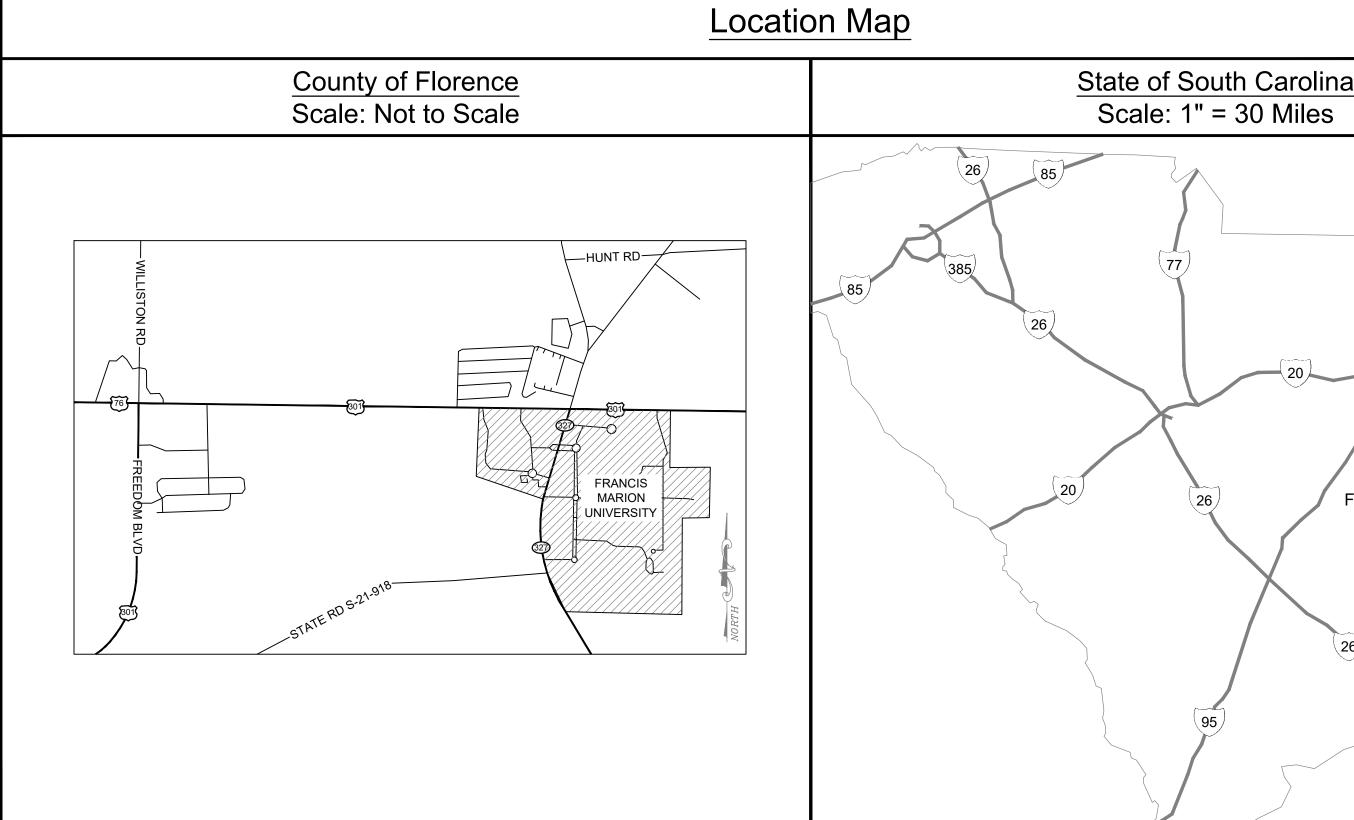


Chao & Associates, Inc.

Civil - Structural - Survey
7 Clusters Court
Columbia, SC 29210
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Fax: (803) 772-9120
Email: consult@chaoinc.com







FRANCIS MARION

UNIVERSITY

FLORENCE COUNTY

2.1 - Sidewalk & Ramp Condition Plan for Area 'B'
2.2 - Sidewalk & Ramp Condition Plan for Area 'C'
3.0 - Construction Details

,,,,,,)4-16-2 **Drawing Index**

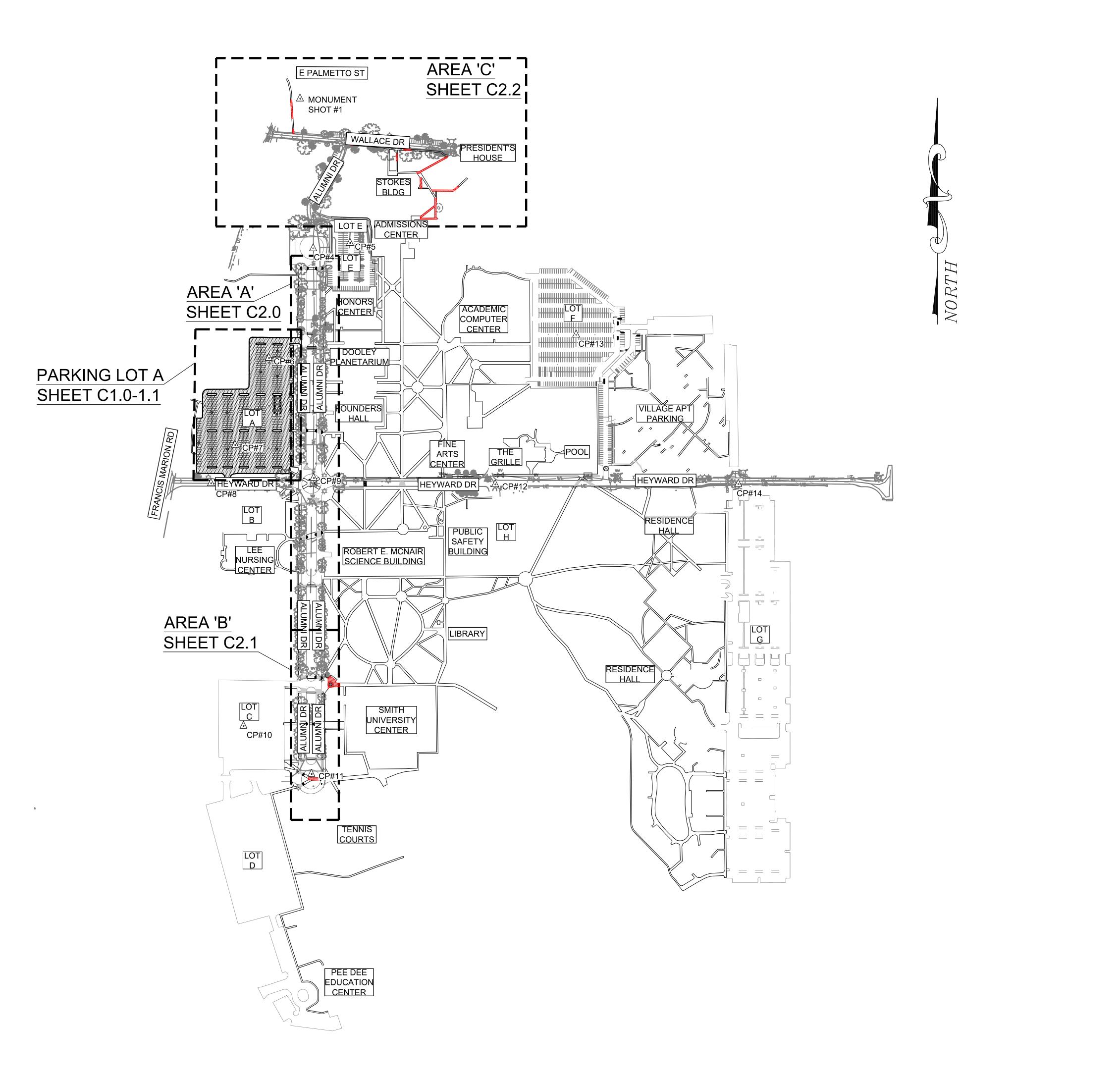
- Key Plan

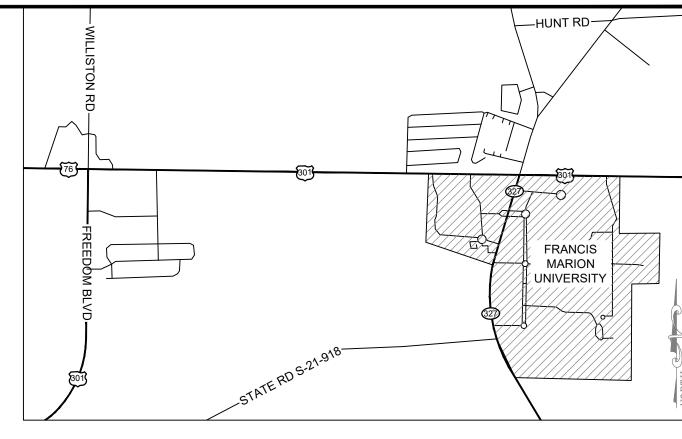
Existing Conditions & Repair Plan for Lot A

Sidewalk & Ramp Condition Plan for Area 'A'

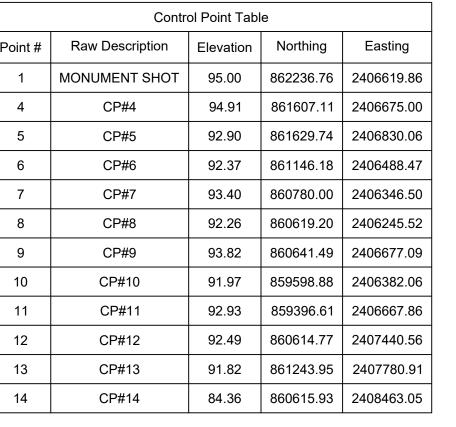
- Pavement Striping Plan for Lot A

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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

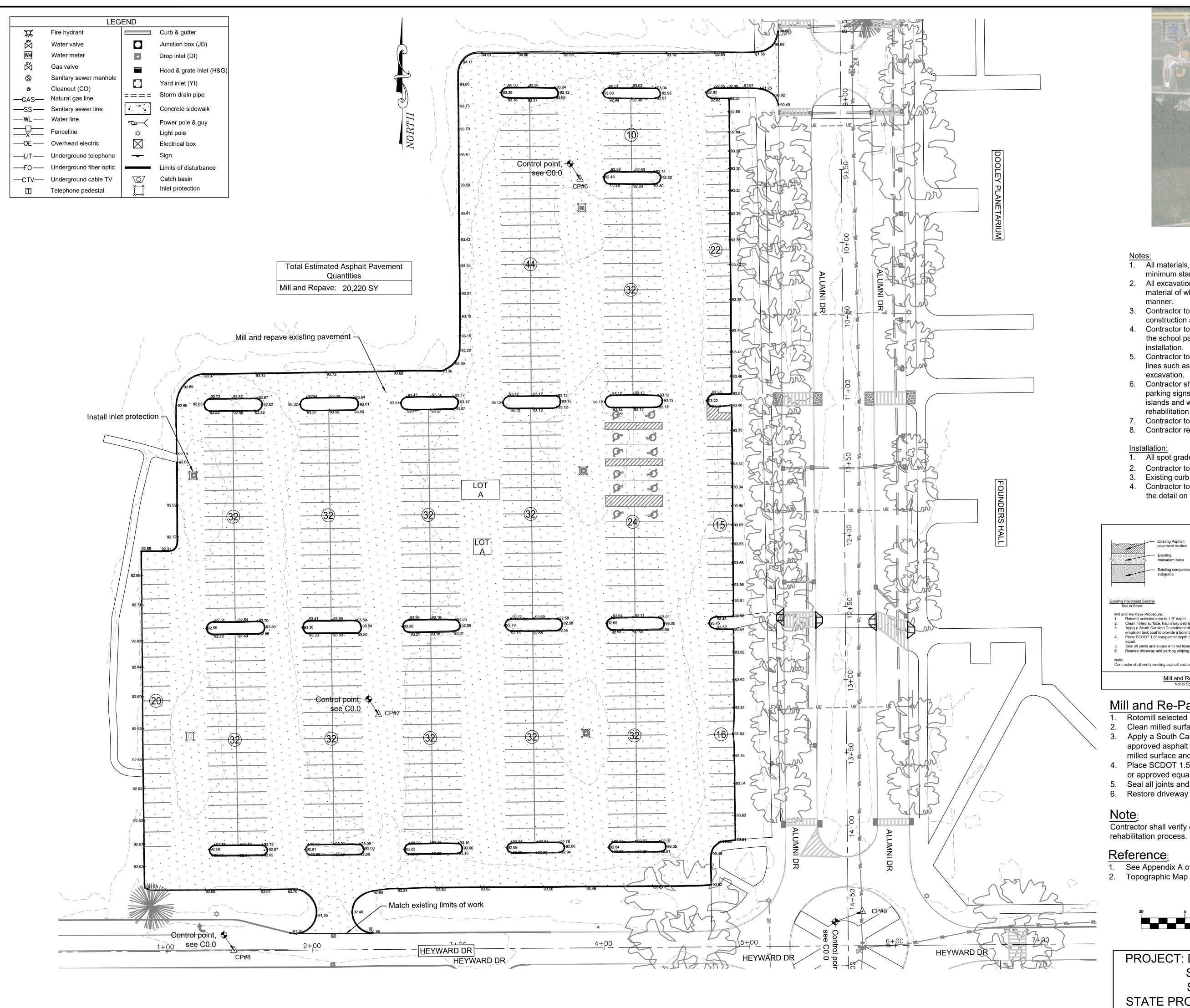


Sheet Number April 16, 2024

PROJECT: DEF. MAINT: ROADS, PARKING LOTS, SIDEWALKS, WALKWAYS -SIDEWALKS AND LOT A STATE PROJECT NO.: H18-9584-MJ-B3

GRAPHIC SCALE

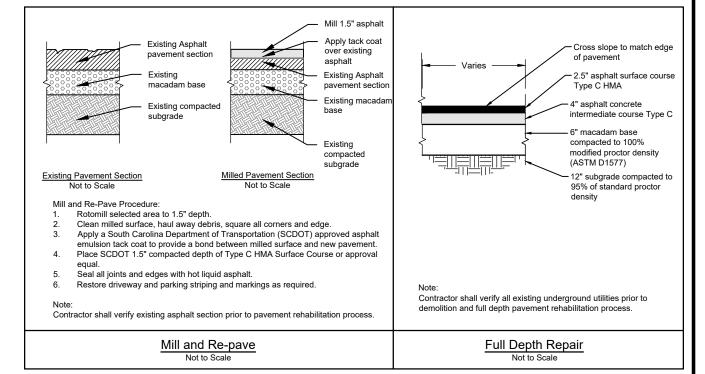
(IN FEET) 1 inch = 200 ft.





LOCATION MAP SCALE: NTS

- 1. All materials, installation and workmanship shall meet or exceed the minimum standards of South Carolina Department of Transportation.
- 2. All excavation for this project is unclassified. When excavating all excess material of whatever substance shall be removed and disposed of in a legal
- 3. Contractor to repair any damage done to curbs, utilities, etc..due to construction at their expense.
- 4. Contractor to repair and/or replace pavement markings in accordance with the school pavement marking standards of materials, location and
- 5. 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
- 6. Contractor shall restore parking stripping, handicapped signs, visitor parking signs, stop bars, traffic arrows, traffic lines, crosswalks, painted islands and wheel stops, etc to original places after asphalt pavement rehabilitation is completed.
- Contractor to protect all existing trees along work limits.
- 8. Contractor responsible for traffic control.
- 1. All spot grades are existing top of curb.
- 2. Contractor to mill and repave $1\frac{1}{2}$ " asphalt.
- 3. Existing curb to remain if not shown to be removed and/or replaced.
- 4. Contractor to remove full depth pavement section and replace according to the detail on sheet C1.0, where needed or shown.

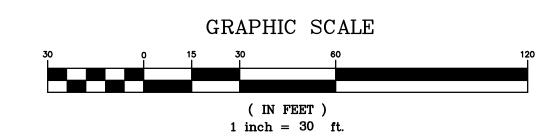


Mill and Re-Pave Procedure:

- Rotomill selected area to 1.5" depth
- Clean milled surface, haul away debris, square all corners and edge
- Apply a South Carolina Department of Transportation (SCDOT) approved asphalt emulsion tack coat to provide a bond between milled surface and new pavement
- 4. Place SCDOT 1.5" compacted depth of Type C HMA Surface Course or approved equal
- 5. Seal all joints and edges with hot liquid asphalt
- 6. Restore driveway and parking striping and markings as required

Contractor shall verify existing asphalt section prior to pavement

- See Appendix A of Project Manual for geotechnical report
- Topographic Map by Back Forty Aerial solutions dated 12-26-2022



PROJECT: DEF. MAINT: ROADS, PARKING LOTS, SIDEWALKS, WALKWAYS -SIDEWALKS AND LOT A STATE PROJECT NO.: H18-9584-MJ-B3

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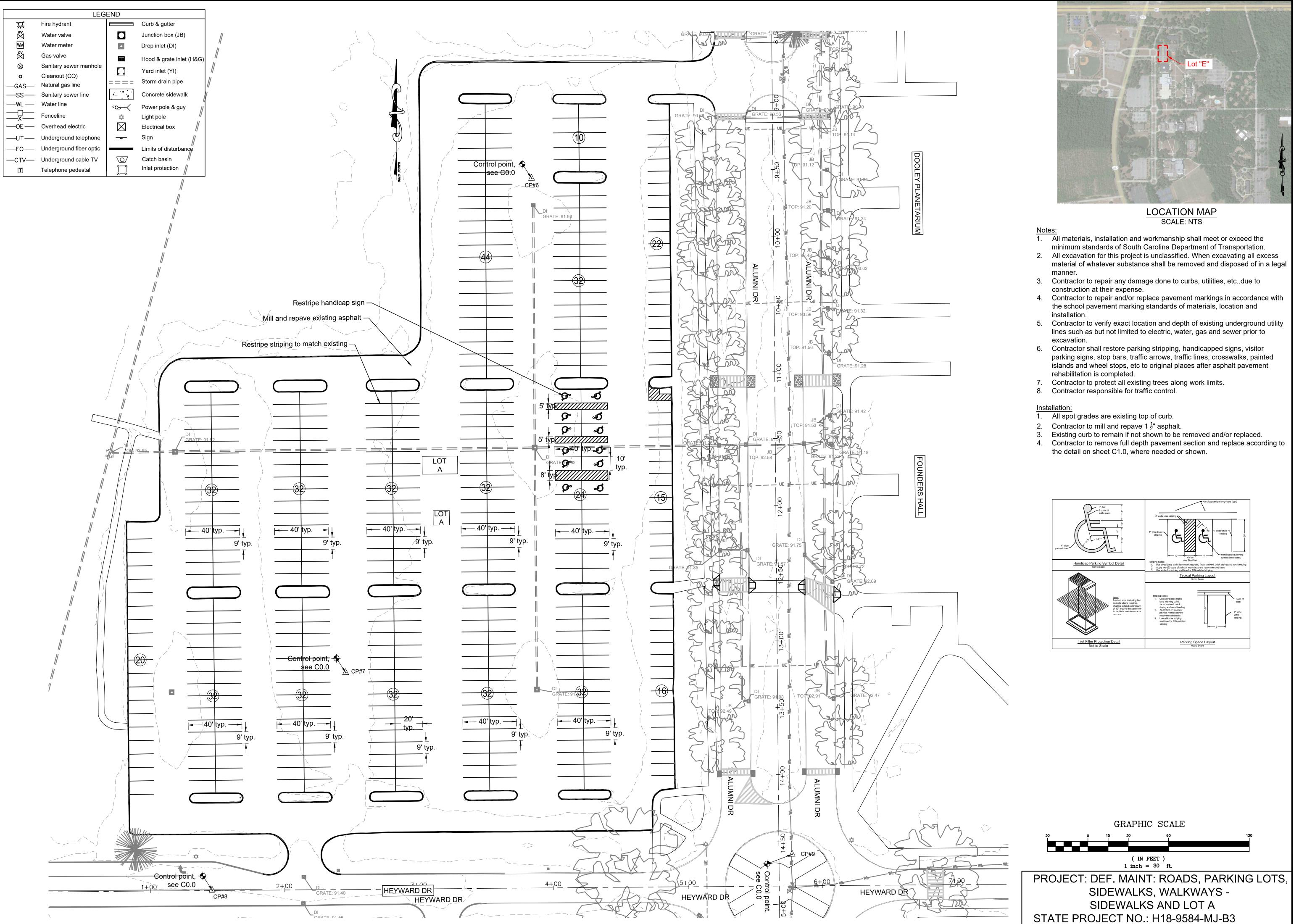
CHAO & S Lot for

Plan

pair

ondition

Sheet Number April 16, 2024





Civil - Structural - Survey
7 Clusters Court
Columbia, SC 29210

CHAO & SSOCIATES No. CO0357 No. CO0357

Pavement Striping Plan for Lot A
Def. Maint: Roads, Parking Lots, Sidewalks, Walkw
- Sidewalks and Lot A

igned: EYC Checked: GAL ised:

C1.1
Sheet Number
April 16, 2024

LEGEND

Curb & gutter

Fire hydrant

Chao

CHAO & ASSOCIATES No. C00357

Condition Plan for Area

Sheet Number April 16, 2024

STATE PROJECT NO.: H18-9584-MJ-B3

conc. sidewalk. Grade to

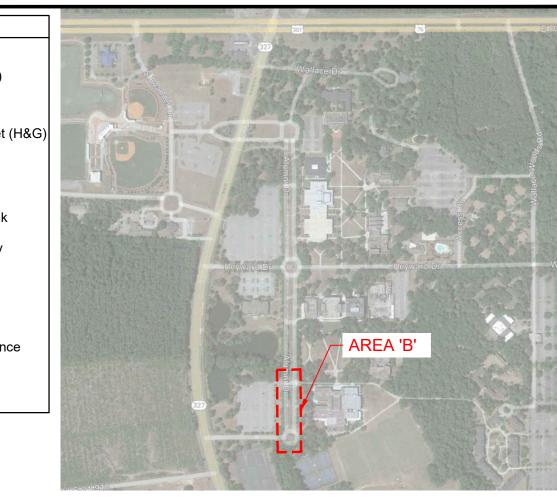
see detail.

ALUMNI DR

23+50

22+50

drain to eliminate ponding,



LOCATION MAP SCALE: NTS

Sidewalk Repair Legend: See details C3.0 1 → Repour

2 → Handicap Access Ramp 3 → Sidewalk Ramp

Total Estimated Concrete Repair Quantities Repour: 723 Sq. Yards

- project manual for detail of each deficiency
- deficiencies

Notes:

TENNIS COURTS

Crosswalk markings striped in Phase 2 roadway work

 Crosswalk markings striped in Phase 2

roadway work

Control point,

1. Contractor to see Appendix A of

2. Contractor to field verify location of

Area

Condition Plan for

CHAO & S ASSOCIATES No. CO0357

Chao

Sheet Number April 16, 2024

GRAPHIC SCALE (IN FEET) 1 inch = 30 ft.

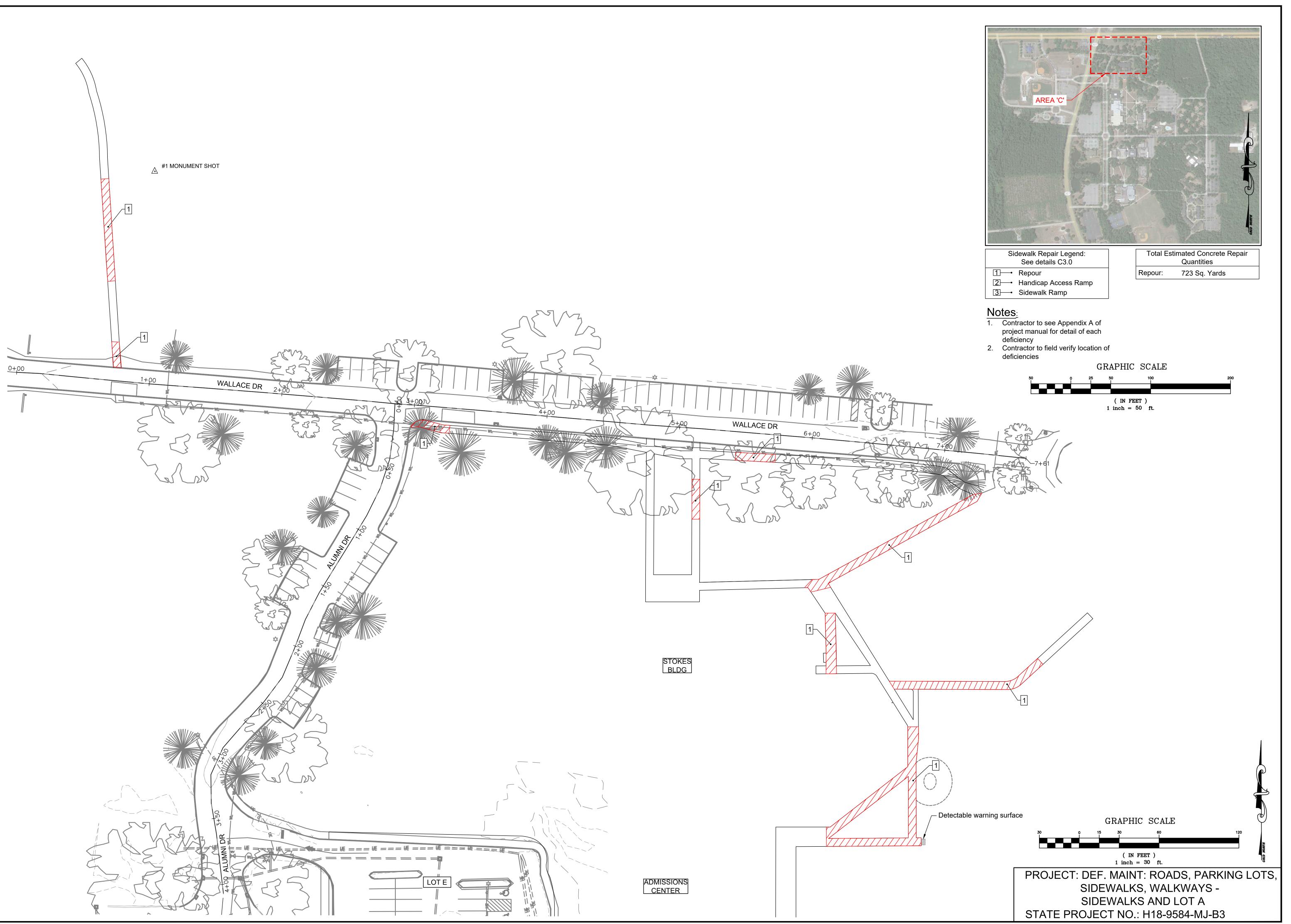
PROJECT: DEF. MAINT: ROADS, PARKING LOTS, SIDEWALKS, WALKWAYS -SIDEWALKS AND LOT A STATE PROJECT NO.: H18-9584-MJ-B3



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.

SMITH UNIVERSITY CENTER

striped in Phase 2 roadway work



AND ASSOCIATES INC.
CONSULTING ENGINEERS
& LAND SURVEYORS

Chao & Associates, Inc Civil - Structural - Survey 7 Clusters Court Columbia, SC 29210

Columbia, SC (803) 77

CHAO & ASSOCIATES No. CO0357

& Ramp Condition Plan for Area oads, Parking Lots, Sidewalks, Walkways

- Sidewalks and Lot A
Prepared for: Francis Marie

Revised:

Revised:

File: 302012C_D2 Dkn2 dwn Droiect No : 302012_22

C2.2
Sheet Number
April 16, 2024

PROJECT: DEF. MAINT: ROADS, PARKING LOTS, SIDEWALKS, WALKWAYS - SIDEWALKS AND LOT A STATE PROJECT NO.: H18-9584-MJ-B3

AND ASSOCIATES INC.
CONSULTING ENGINEERS
& LAND SURVEYORS

O & Associates, Inc Civil - Structural - Survey 7 Clusters Court

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CHAO & SOCIATES No. CO0357

struction Details laint: Roads, Parking Lots, Sidewalks, W walks and Lot A

Def. Maint: Roads, Parkin
- Sidewalks and Lot A
Prepared for: Francis Mar

Designed: EYC Checked: GAL Revised:

C3.0 Sheet Number April 16, 2024 Date