



CITY WIDE RESURFACING 2021

2021.052.001

MAYOR
WALTER MADDOX

CITY COUNCIL

MATTHEW WILSON	RAEVAN HOWARD
NORMAN CROW	LEE BUSBY
KIP TYNER	JOHN FAILE
CASSIUS LANIER	

FEBRUARY 2022

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CITY WIDE RESURFACING 2021

TITLE SHEET

NO.	DATE
DESCRIPTION	
CHECKED BY: BMG	
PROJECT NO.: 2021.052.001	
DRAWN BY: CRC	DATE: 2/9/2022

SHEET NUMBER
C0.1

OFFICE OF THE CITY ENGINEER
2201 UNIVERSITY BLVD
TUSCALOOSA, AL 35401
PHONE: (205) 248-5380



PAVING, SIGNING AND STRIPING NOTES:

1. THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENTS JOIN TO EXISTING CLEANLY.
2. ANY CURB AND GUTTER REPLACED IN THIS PROJECT SHALL MATCH EXISTING CURB AND GUTTER TYPE. IF A NEW SECTION OF CURB AND GUTTER IS NEEDED, IT SHALL BE TWO (2) FEET IN WIDTH UNLESS OTHERWISE NOTED IN THE CONSTRUCTION PLANS.
3. WHEN PROPOSED ASPHALT PAVEMENT JOINS EXISTING ASPHALT PAVEMENT, INCLUDING UTILITY TRENCHES, THE CONTRACTOR SHALL MILL A MINIMUM 12" WIDE AREA OF EXISTING ASPHALT. THE DEPTH OF THE MILLING SHALL BE 1.5" MINIMUM. THIS WILL ALLOW THE PROPOSED WEARING SURFACE TO OVERLAP AT LEAST 12" OVER THE EXISTING PAVEMENT.
4. ALL TRAFFIC STRIPE SHALL MATCH EXISTING STRIPING LAYOUT UNLESS OTHERWISE SHOWN IN THE CONSTRUCTION PLANS.
5. QUANTITIES AND PAVEMENT BUILD UPS/RATES ARE SUBJECT TO CHANGE IN THE FIELD PER OWNER PREFERENCE. CONTRACTOR SHALL WORK CLOSELY WITH OWNER WHEN PAVING CERTAIN PORTIONS OF THIS PROJECT WHERE A BASE 110LB/SY MILL & OVERLAY IS NOT SUFFICIENT.
6. ALL WORK WILL BE DIRECTED BY THE OWNER (CITY OF TUSCALOOSA) AND ALL PAVING & STRIPING LIMITS COULD VARY SLIGHTLY.
7. ANY ASPHALT PATCHING AREAS SHALL BE DICTATED BY THE OWNER (CITY OF TUSCALOOSA) AS WELL AS THE QUANTITY APPLIED (RATE). ALL ASPHALT PATCHING REQUIRED SHALL INCLUDE THE MILLING OF THE AREA, AND ANY REQUIRED BITUMINOUS TREATMENT "A", STONE, ETC
8. PAYMENT OF TACK COAT SHALL BE SUBSIDIARY TO THE ASPHALT PAY ITEMS.

CITY WIDE RESURFACING 2021

SHEET NUMBER
C0.2



City Wide Resurfacing 2021

	Location	From	To	District	Map #
1	TPD Parking Lot	All	All	2	1
2	McDonald Hughes Parking Lot	All	All	2	2
3	Hacienda Pl.	City Limits	End	1	3
4	Rice Mine Rd.	Beacon Hill Dr.	.26 Miles West Along Rice Mine Rd.	3	4
5	Hargrove Rd.	10th Ave.	Greensboro Ave.	2	5
6	Hackberry Ln.	Hargrove Rd.	15th St.	2	6
7	Mary Harmon Bryant Dr.	Buttermilk Rd.	City Limits	6	7
8	21st Ave.	15th St.	Paul Bryant Dr.	4	8
9	Hargrove Rd.	2nd Ave. E	Hackberry Ln.	2	9
10	Jug Factory Ln	Hwy 82	Jug Factory Rd.	7	10
11	Campus Dr.	Helen Keller Blvd.	City Limits	5	11
12	Yorktown Dr.	All	All	3	12
13	Airport - Robert Cardial Rd.	Industrial Park Dr.	End	3	14
14	Airport - Robert Cardial Rd.	Industrial Park Dr.	End	3	15
15	Airport - Street In Front of Terminal	Robert Cardinal Airport Rd.	End	3	16
16	Hargrove Rd.	Bridge crossing I-59/20	New Joint at Bridge (near Health Dept.)	6	17
17	Northridge Rd.	Ol' Colony Rd.	Joint Near Riverchase Entrance	3	18
18	Speed Tables on Bluegrass & 51st St.			2 & 3	19

* NOTE: CONTRACTOR SHALL ONLY PAVE WESTBOUND LANE UNTIL THE LIMITS DESCRIBED.

[illegible]

SHEET NUMBER
C0.4

CITY WIDE RESURFACING 2021

PROJECT LIMITS

OFFICE OF THE CITY ENGINEER
2201 UNIVERSITY BLVD
TUSCALOOSA, AL 35401
PHONE: (205) 248-5380
City of Tuscaloosa

TUSCALOOSA, AL 35401
PHONE: (205) 248-5380

TPD Parking Lot

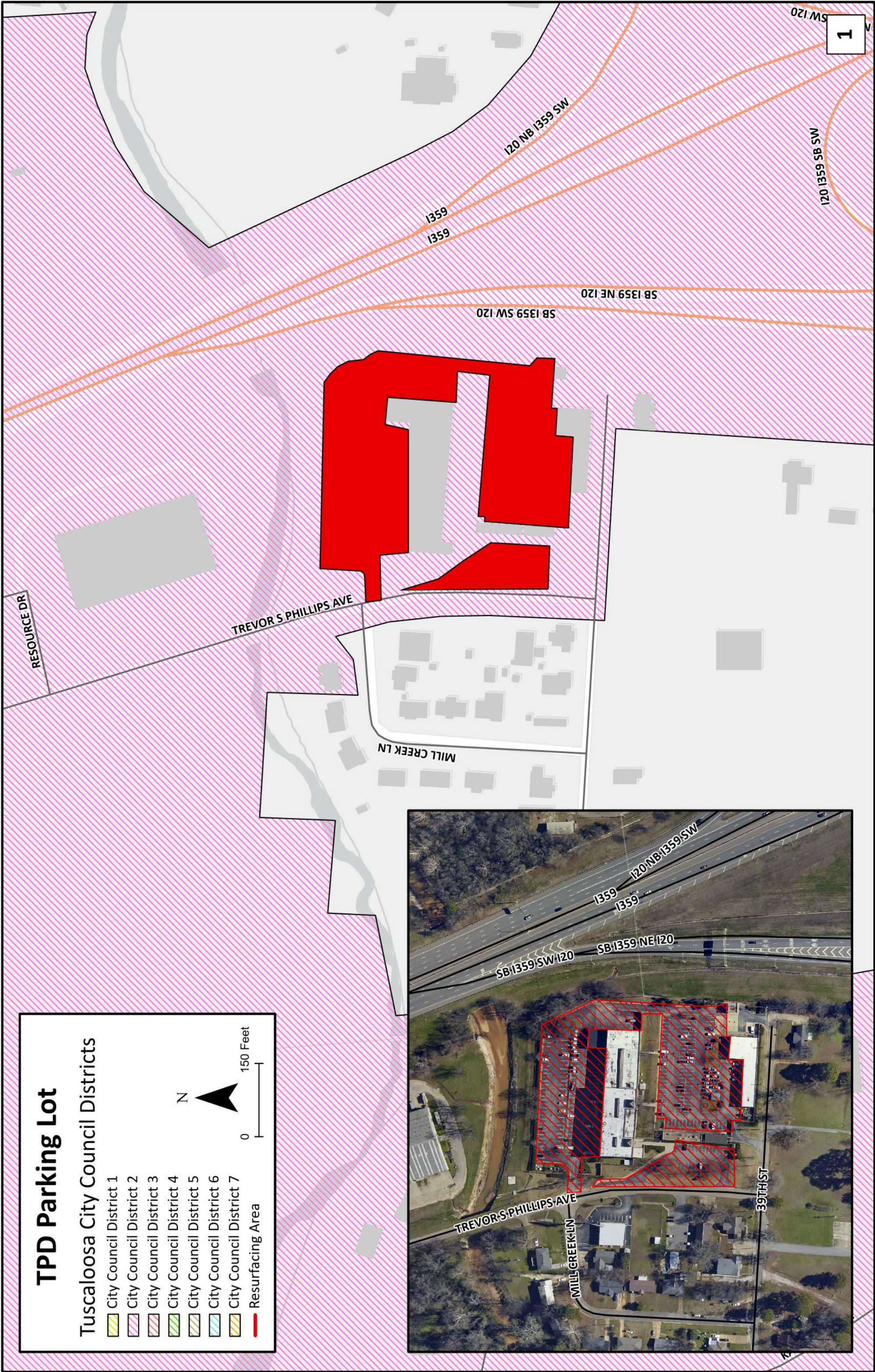
Tuscaloosa City Council Districts

- City Council District 1
- City Council District 2
- City Council District 3
- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7

Resurfacing Area



0 150 Feet

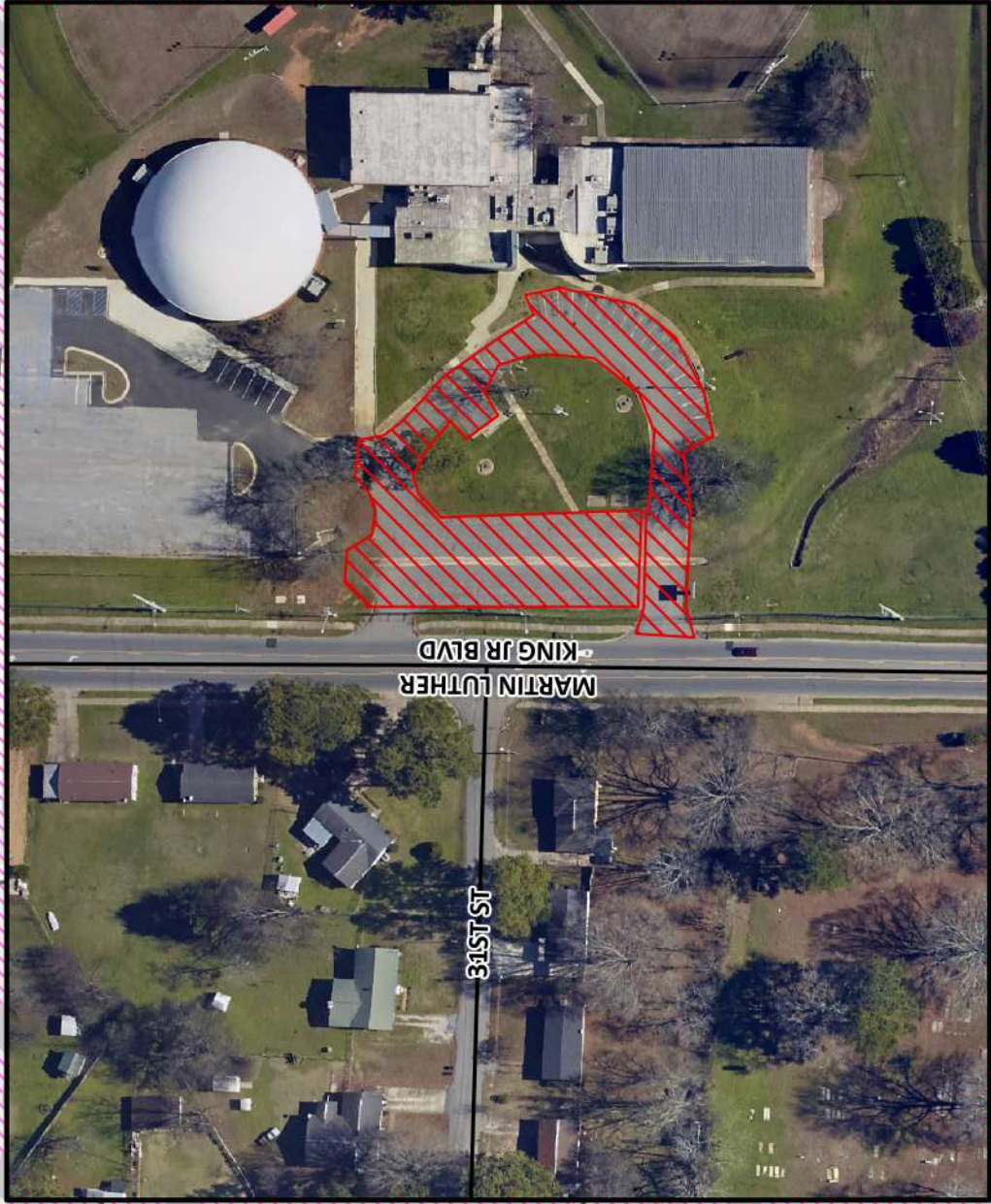


McDonald Hughes

Parking Lot

Tuscaloosa City Council Districts

- City Council District 1
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- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7
- Resurfacing Area



MARTIN LUTHER
KING JR BLVD

30TH ST

31ST ST

33RD AVE

33RD AVE

BECK ST

31ST ST

35TH AVE

ELM ST

ASH ST

PINE ST



Rice Mine Rd. Patching

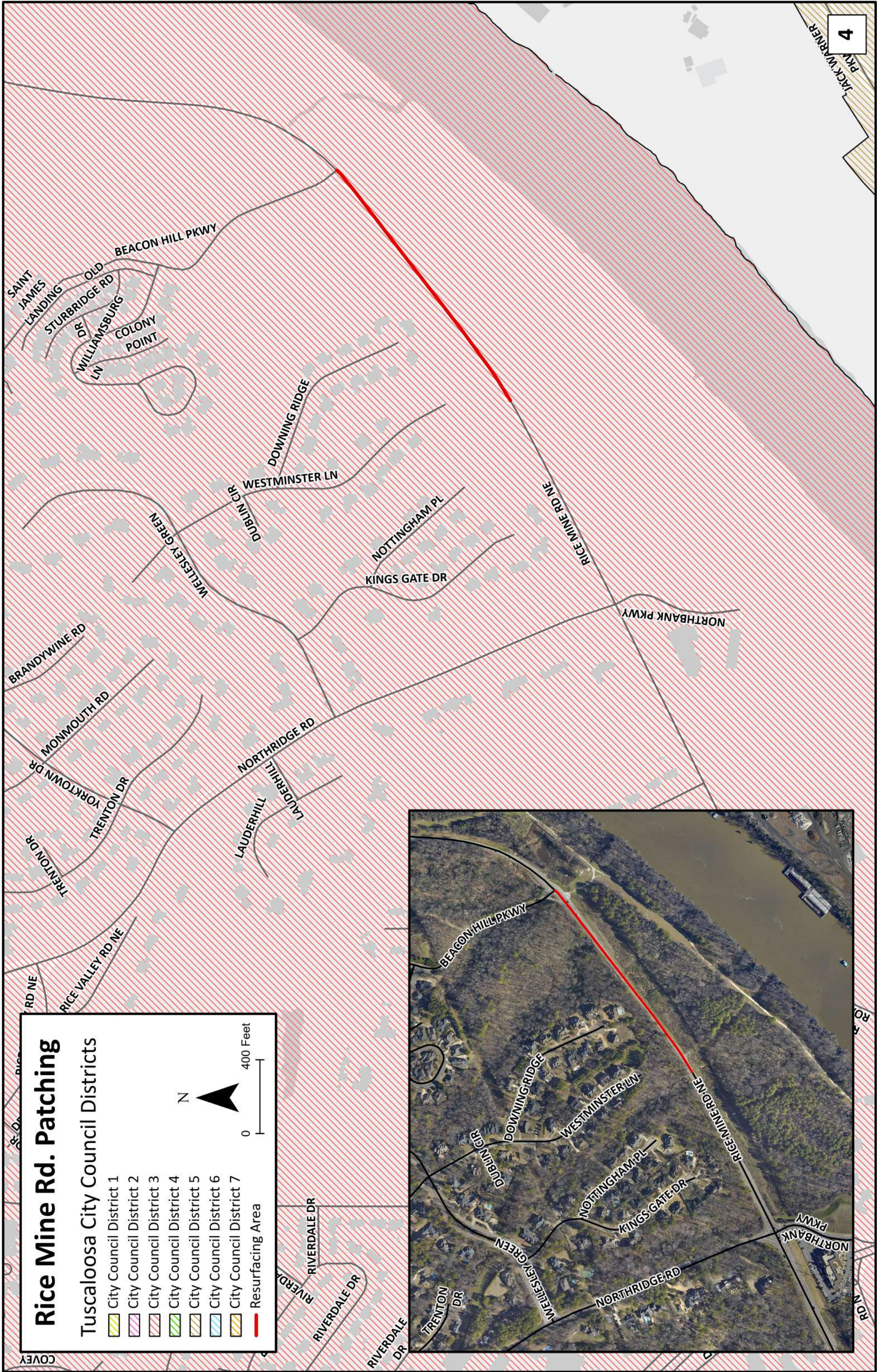
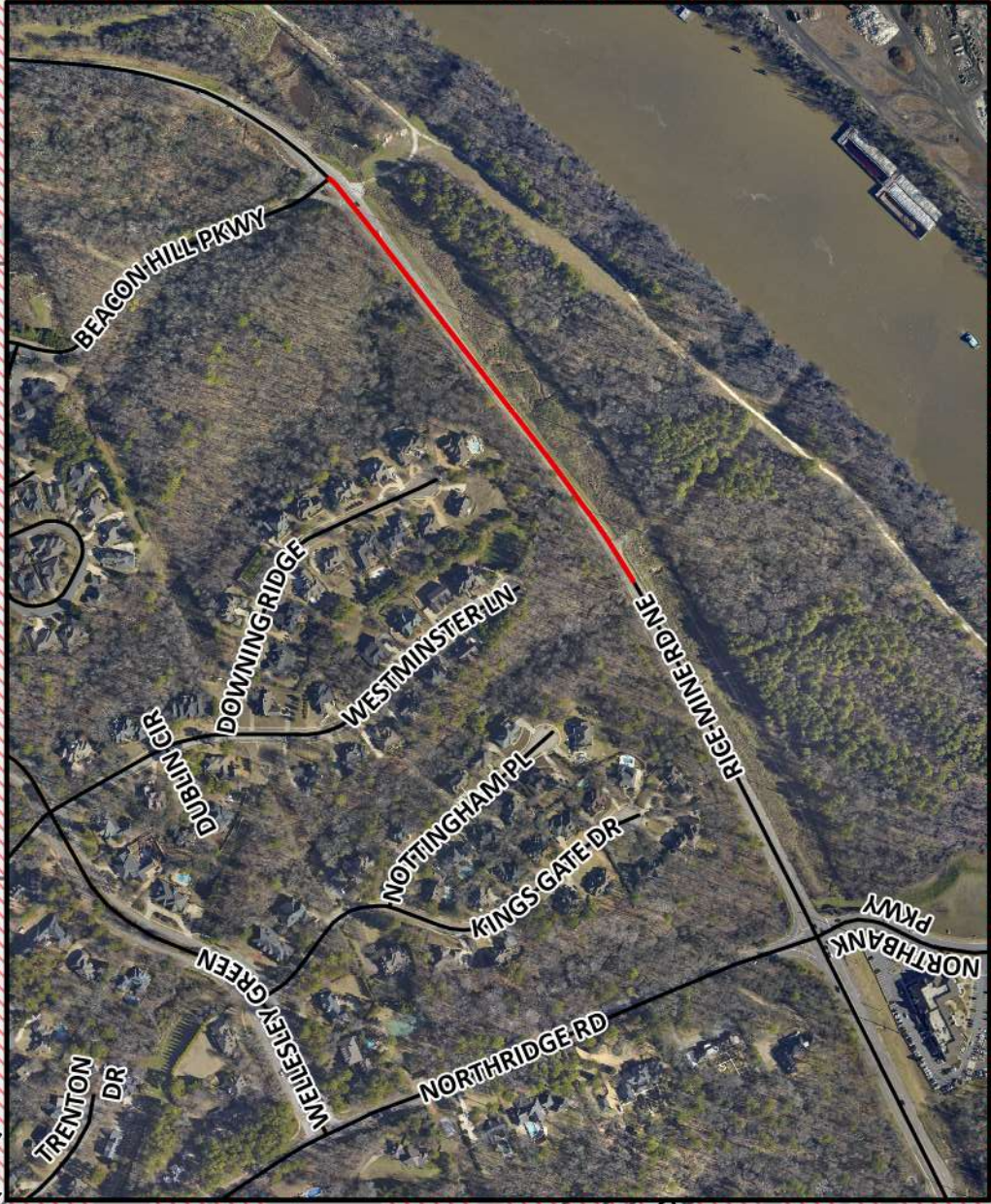
Tuscaloosa City Council Districts

- City Council District 1
- City Council District 2
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- City Council District 7

Resurfacing Area



0 400 Feet



Hargrove Rd.

Tuscaloosa City Council Districts

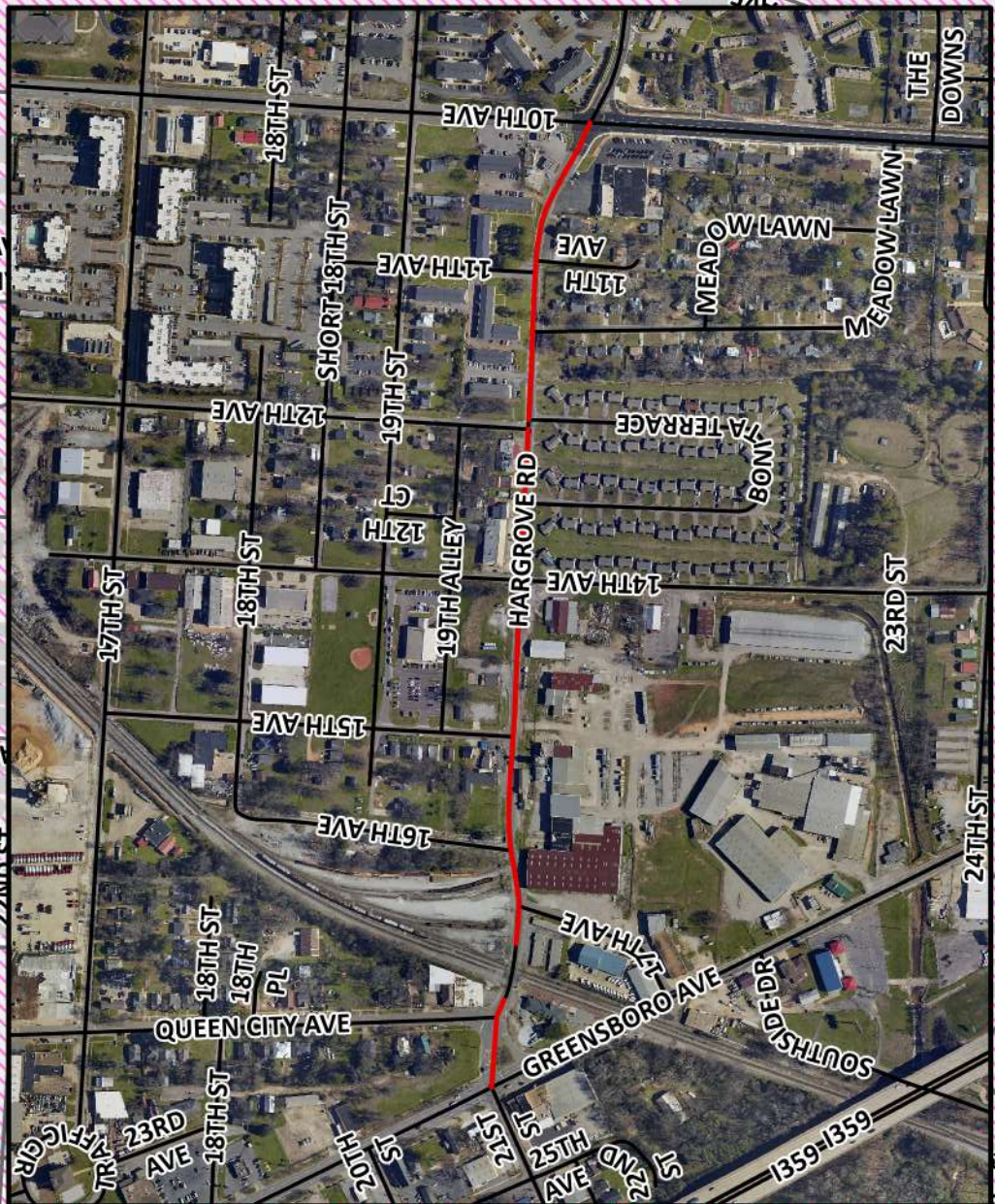
- City Council District 1
- City Council District 2
- City Council District 3
- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7

Resurfacing Area



0 400 Feet

Remanance of Mid-Block Crossing
Omit from Striping



Hackberry Ln.

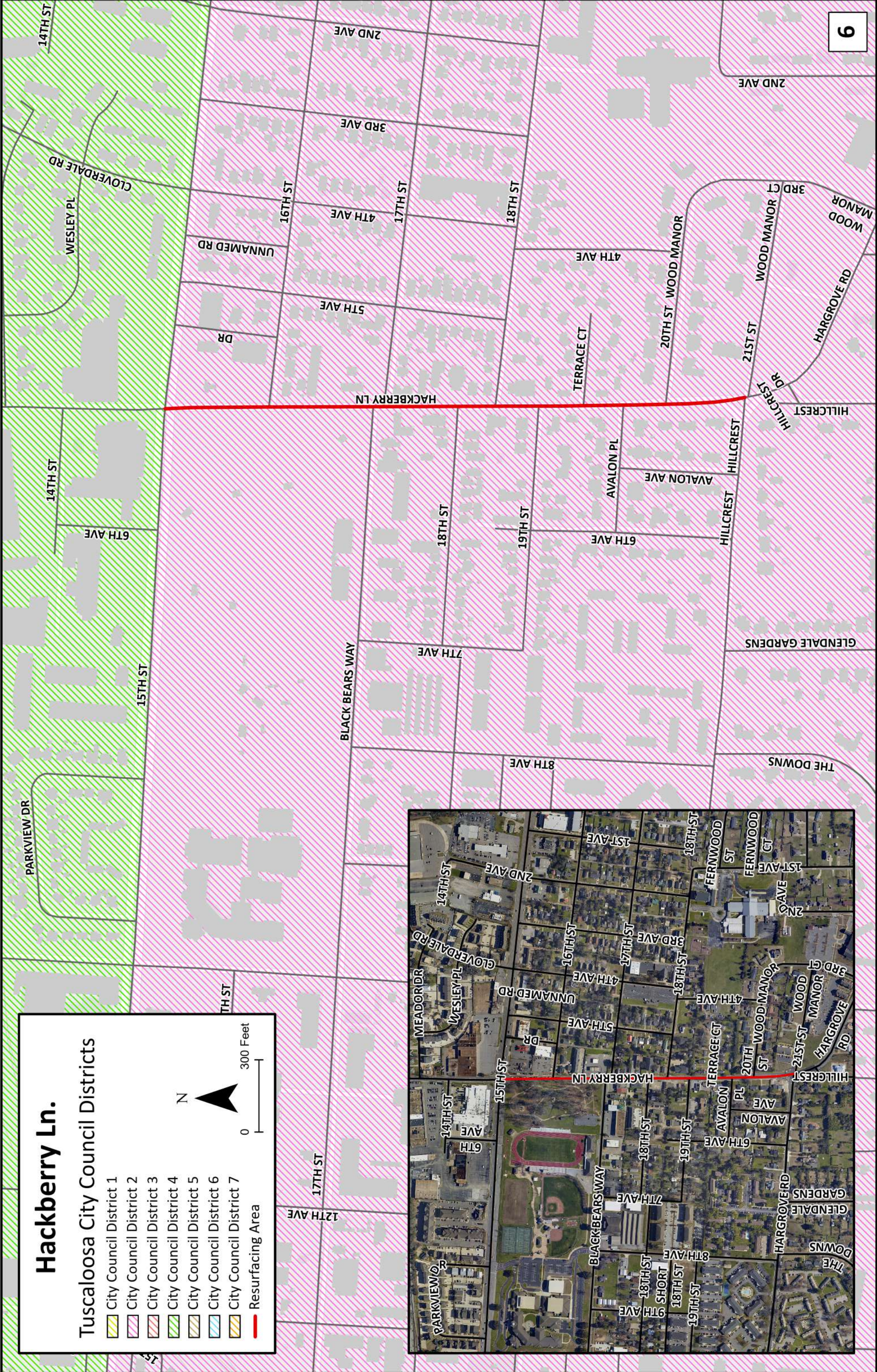
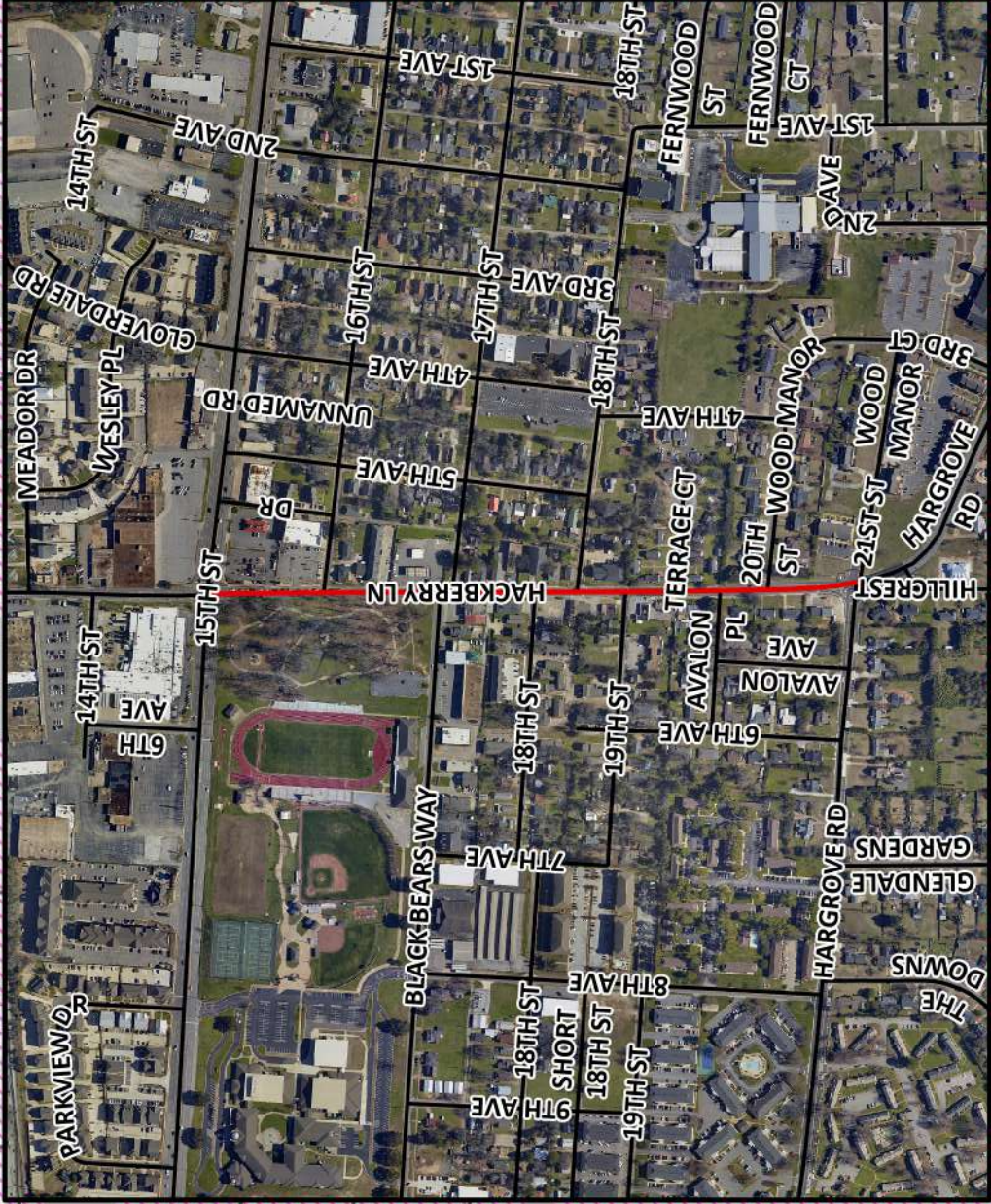
Tuscaloosa City Council Districts

- City Council District 1
- City Council District 2
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- City Council District 7

Resurfacing Area



0 300 Feet



Mary Harmon Bryant Dr.

Tuscaloosa City Council Districts

- City Council District 1
- City Council District 2
- City Council District 3
- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7

Resurfacing Area



0 400 Feet



21st Ave.

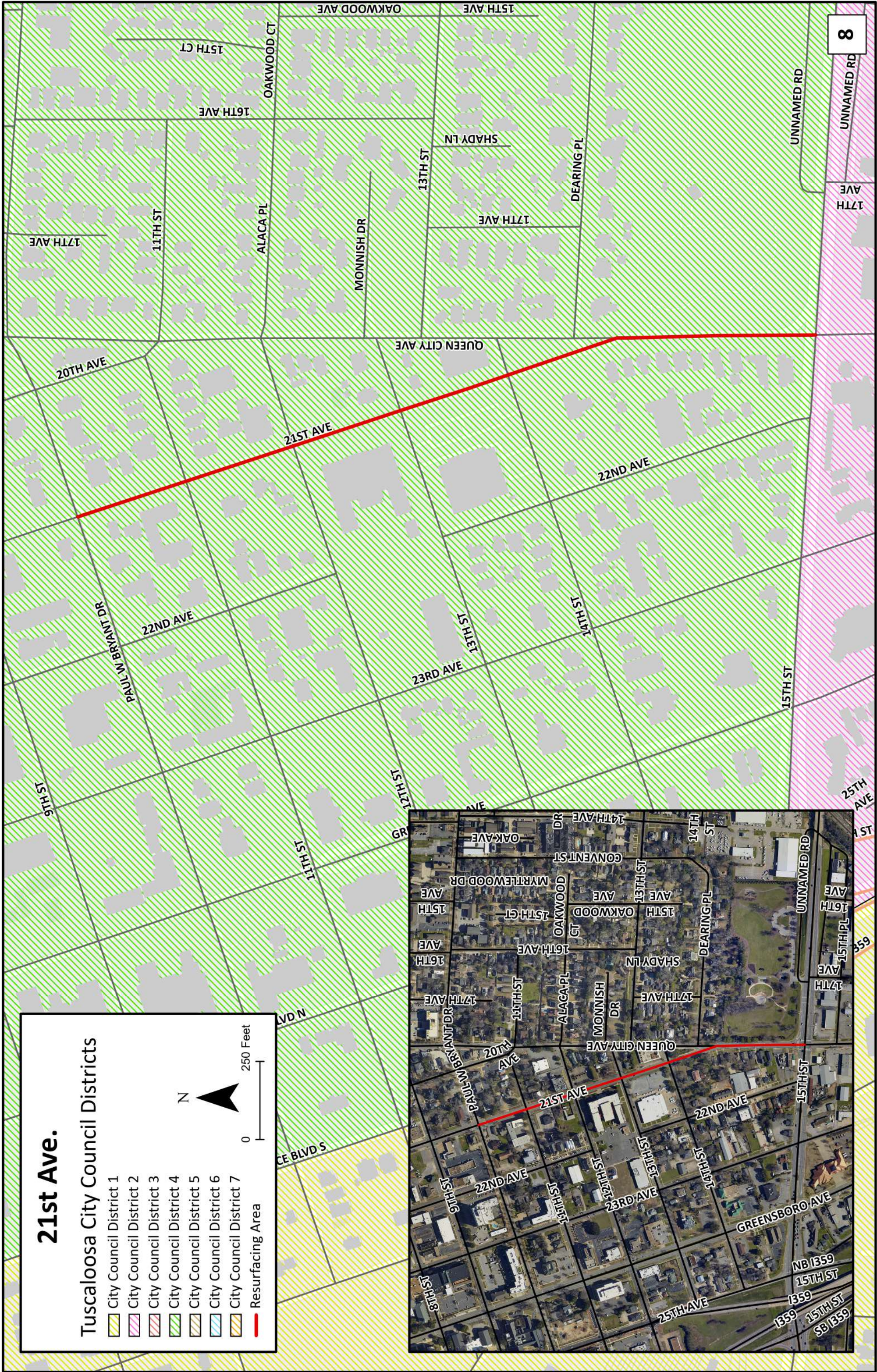
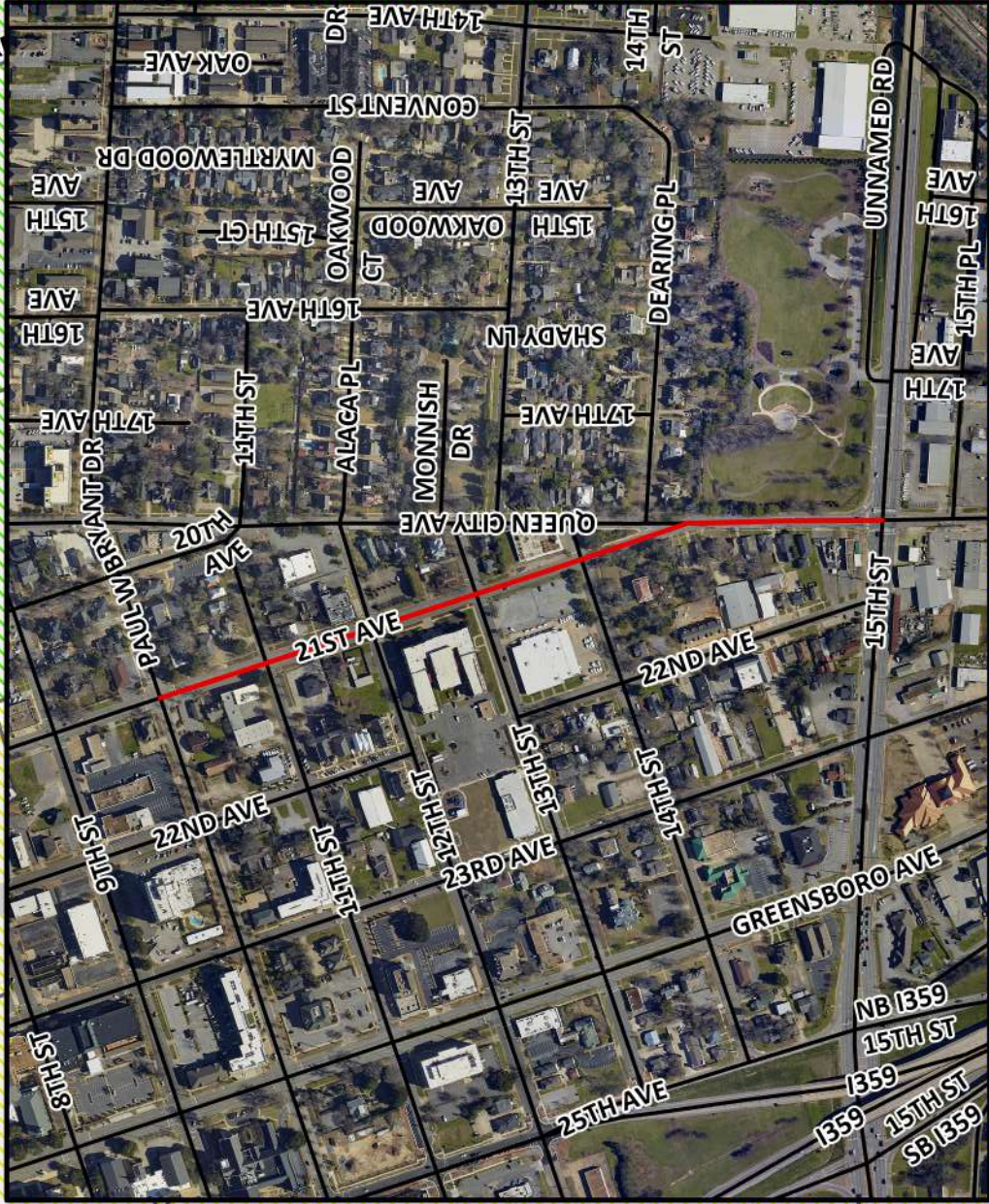
Tuscaloosa City Council Districts

- City Council District 1
- City Council District 2
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- City Council District 6
- City Council District 7

Resurfacing Area



0 250 Feet

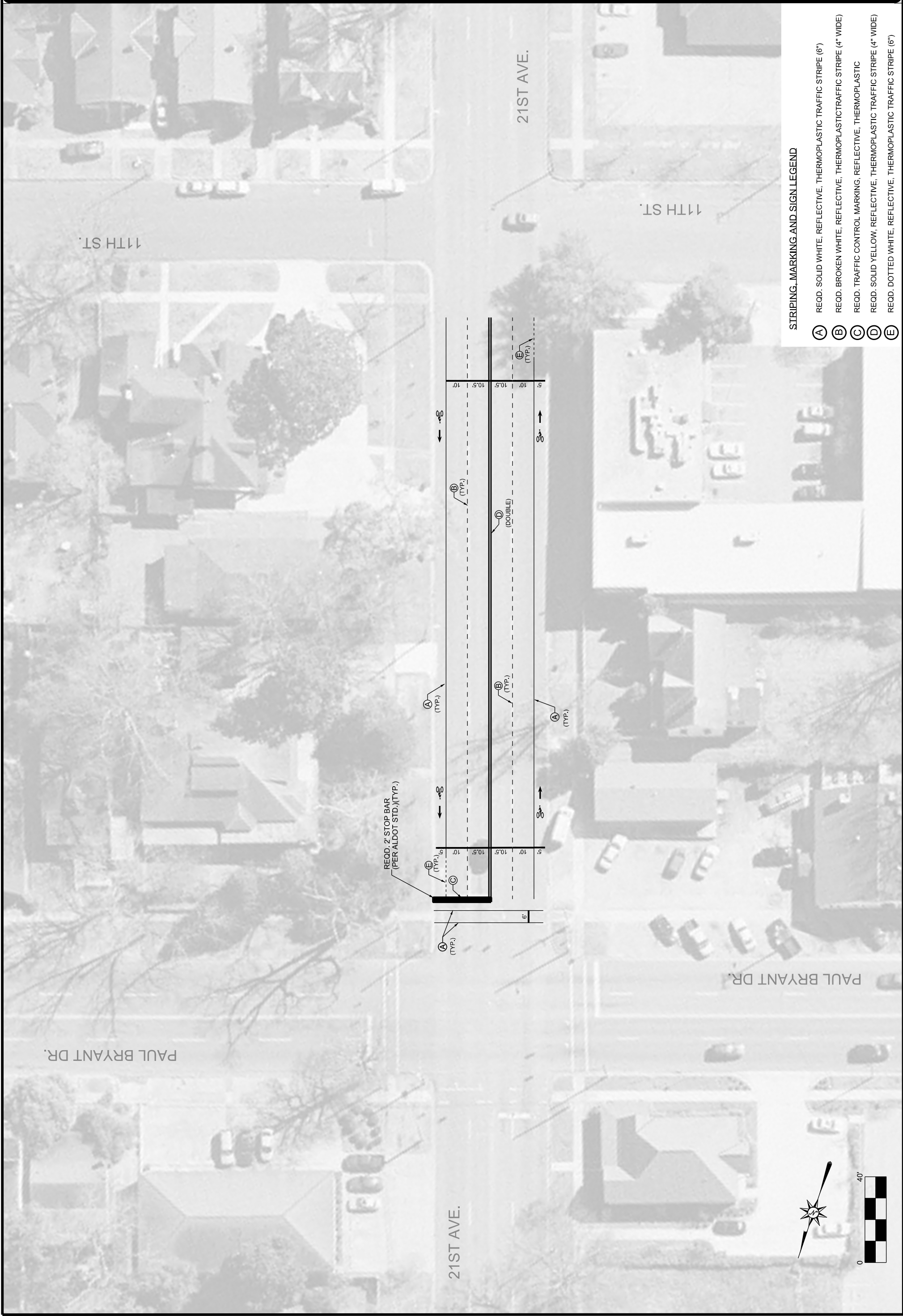


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CITY WIDE RESURFACING 2021

21ST AVE. STRIPING PLAN

OFFICE OF THE CITY ENGINEER
2201 UNIVERSITY BLVD
TUSCALOOSA, AL 35401
PHONE: (205) 248-5380
City of Tuscaloosa, Alabama

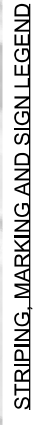


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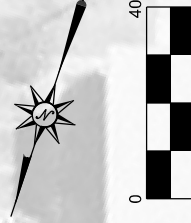
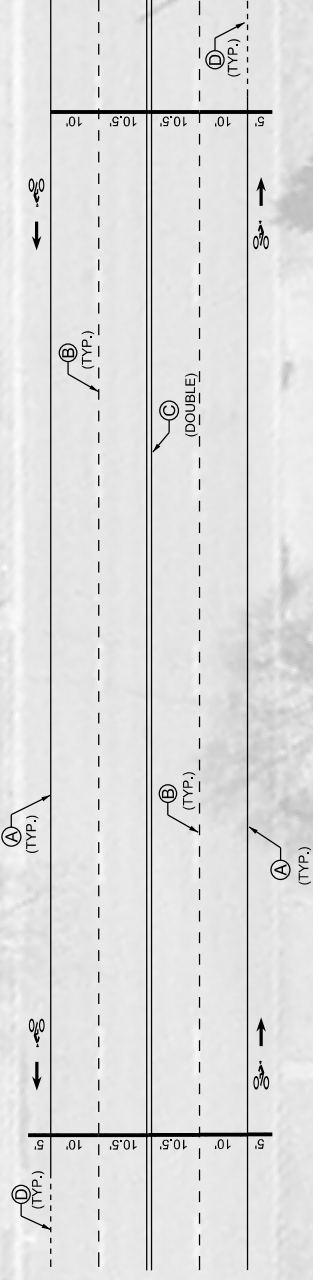
CITY WIDE RESURFACING 2021

21ST AVE. STRIPING PLAN

OFFICE OF THE CITY ENGINEER
2201 UNIVERSITY BLVD
TUSCALOOSA, AL 35401
PHONE: (205) 248-5380
City of Tuscaloosa



- (A) REQD. SOLID WHITE, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE (6")
- (B) REQD. BROKEN WHITE, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE (4" WIDE)
- (C) REQD. SOLID YELLOW, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE (4" WIDE)
- (D) REQD. DOTTED WHITE, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE (6")



Hargrove Rd.

Tuscaloosa City Council Districts

- City Council District 1
- City Council District 2
- City Council District 3
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- City Council District 6
- City Council District 7

Resurfacing Area



0 400 Feet



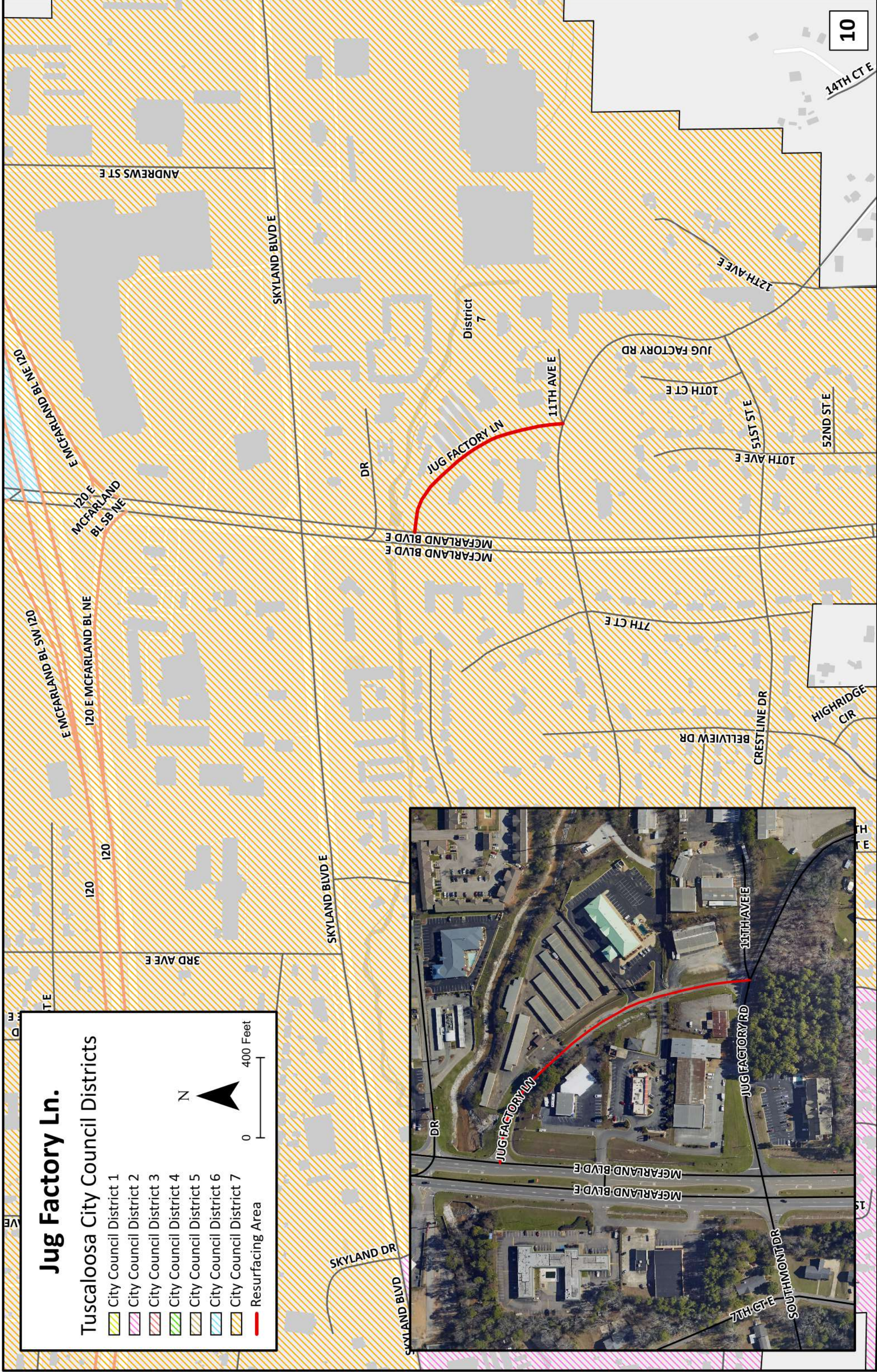
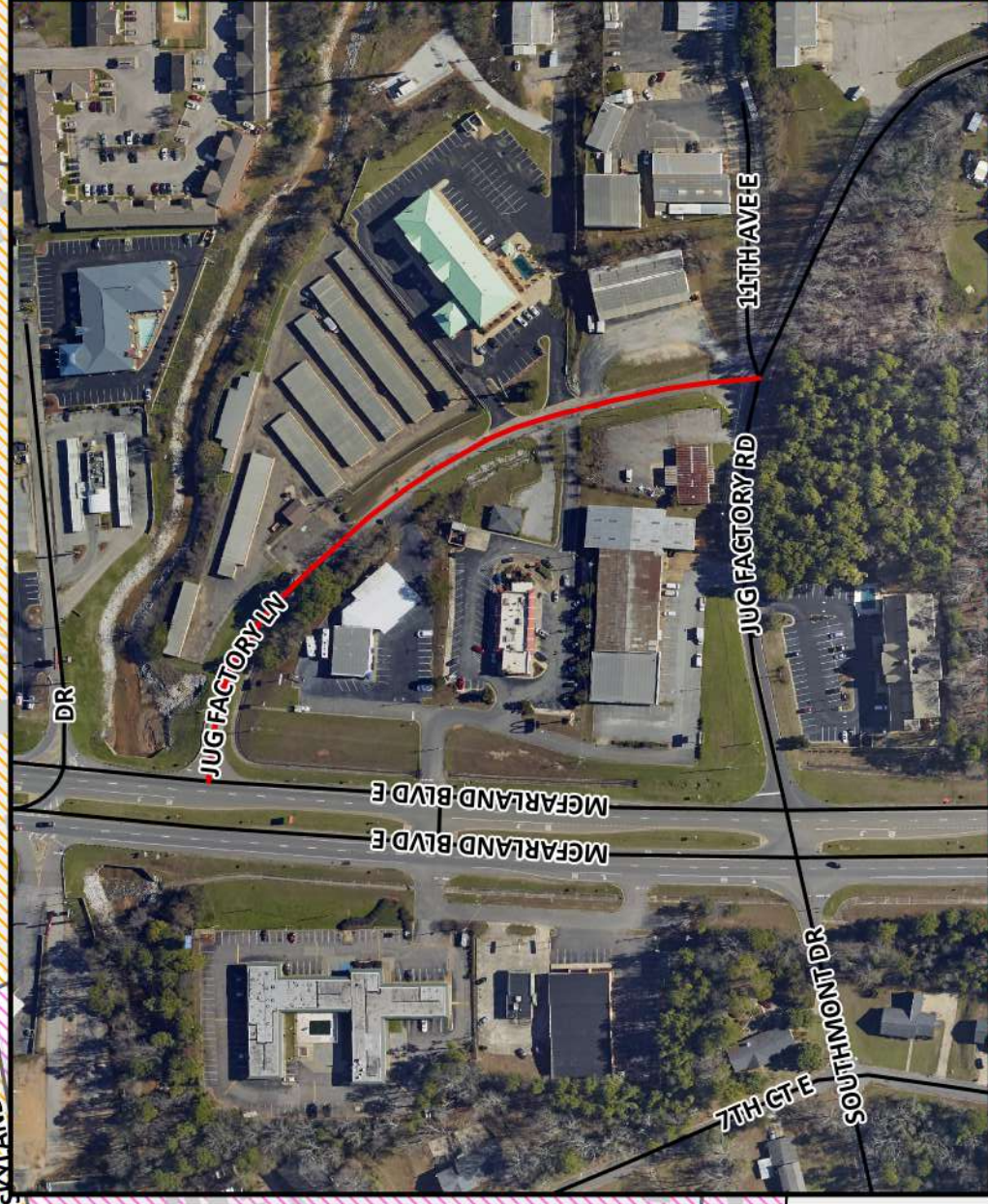
Jug Factory Ln.
Tuscaloosa City Council Districts

- City Council District 1
City Council District 2
City Council District 3
City Council District 4
City Council District 5
City Council District 6
City Council District 7

- **Resurfacing Area**



0 400 Feet



Campus Dr.

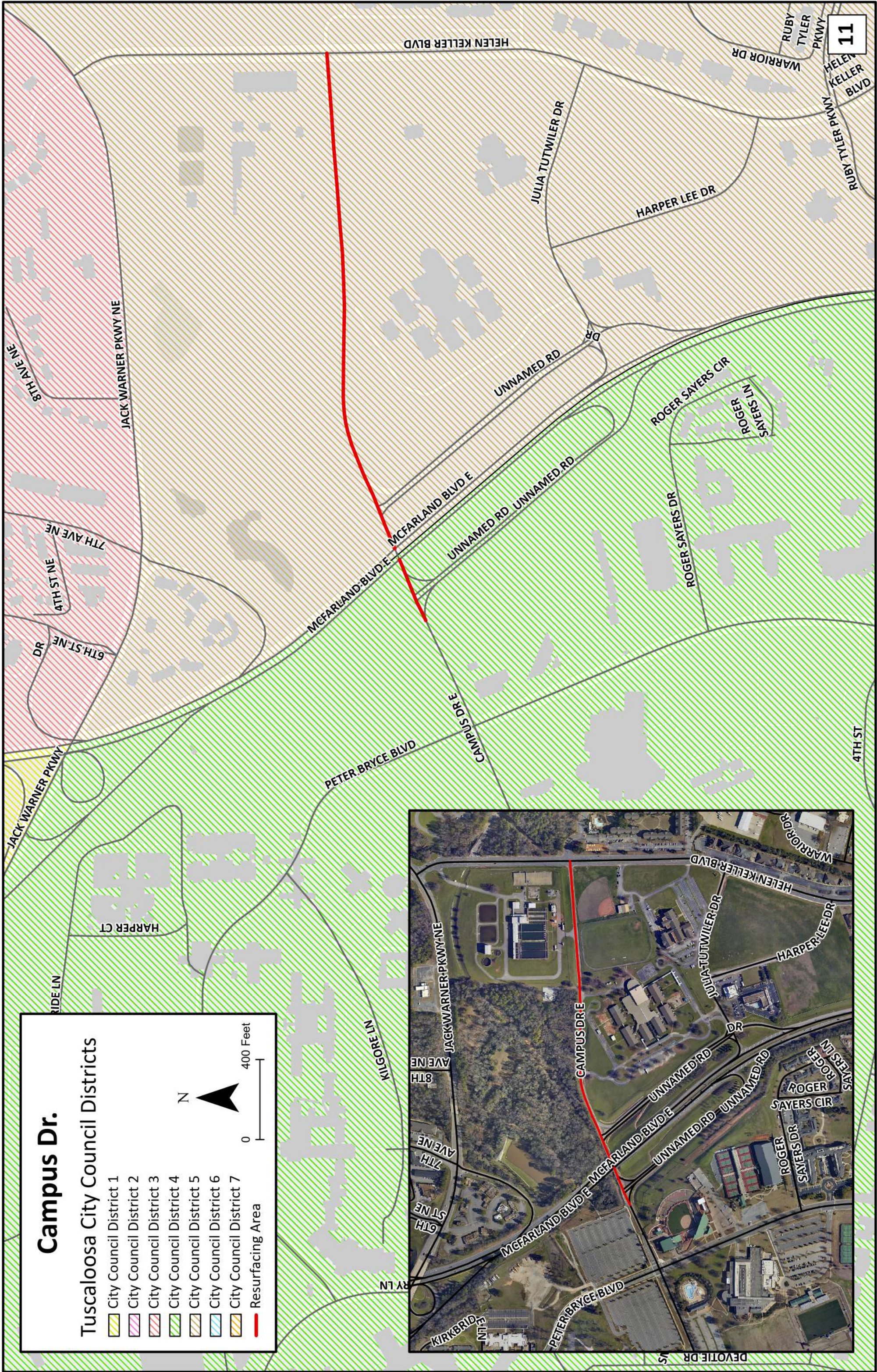
Tuscaloosa City Council Districts

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Resurfacing Area



0 400 Feet



Yorktown Dr.

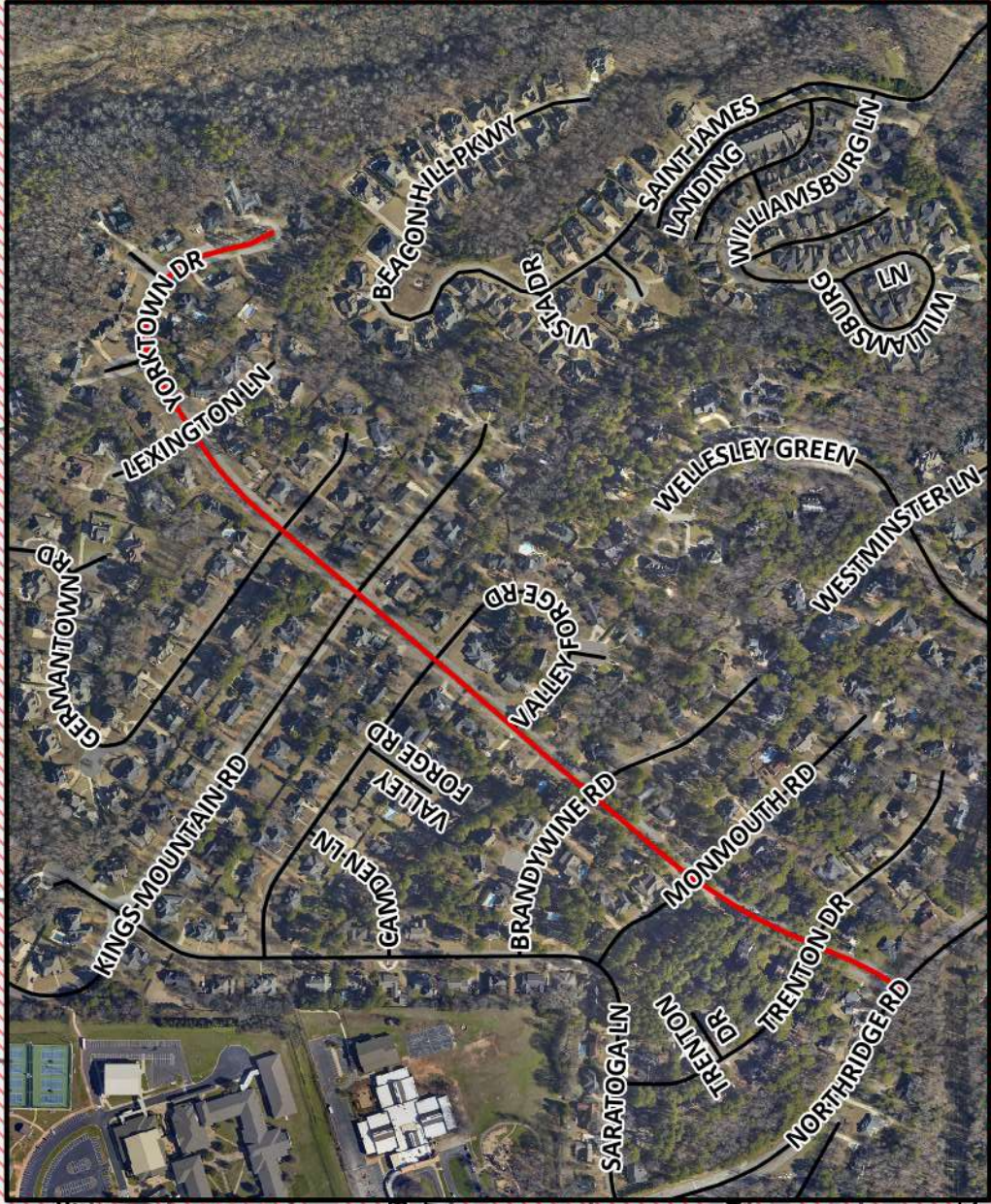
Tuscaloosa City Council Districts

- City Council District 1
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- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7

Resurfacing Area



0 400 Feet



Airport

Robert Cardinal Rd.

Tuscaloosa City Council Districts

The map shows a section of Robert Cardinal Rd. running horizontally. The area is divided into eight City Council Districts, each represented by a different color and hatching pattern. A north arrow points upwards, and a scale bar indicates a distance of 400 feet. A red line segment on the right side of the map indicates a resurfacing area.

City Council District 1
City Council District 2
City Council District 3
City Council District 4
City Council District 5
City Council District 6
City Council District 7

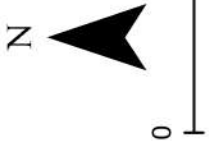
0 400 Feet

Resurfacing Area

Robert Cardinal Rd.
Tuscaloosa City Council Districts

- City Council District 1
City Council District 2
City Council District 3
City Council District 4
City Council District 5
City Council District 6
City Council District 7

— Resurfacing Area



0 400 Feet



Airport

Robert Cardinal Rd.

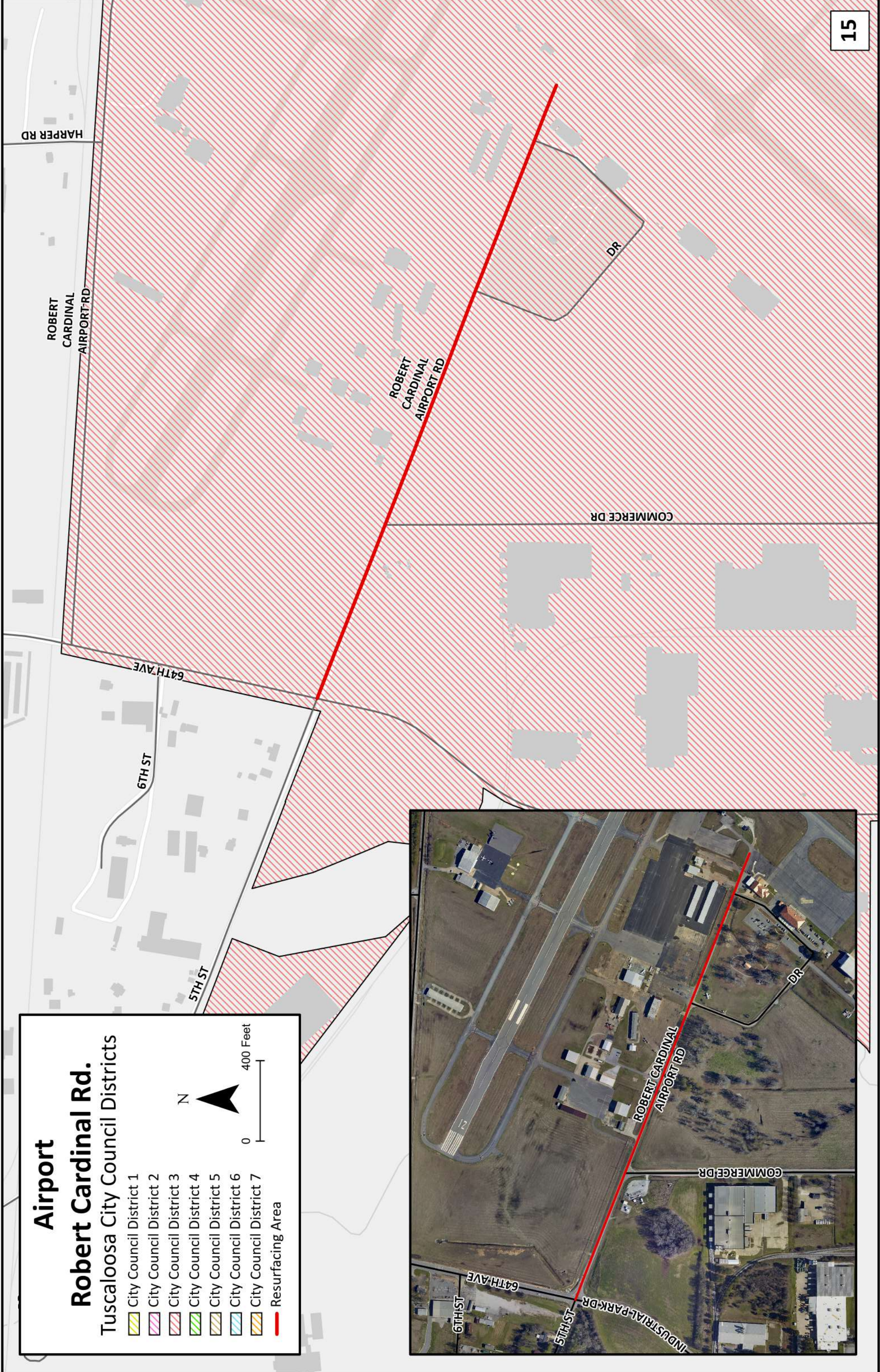
Tuscaloosa City Council Districts

- City Council District 1
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- City Council District 3
- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7



0 400 Feet

Resurfacing Area



Airport - Street in Front of Terminal

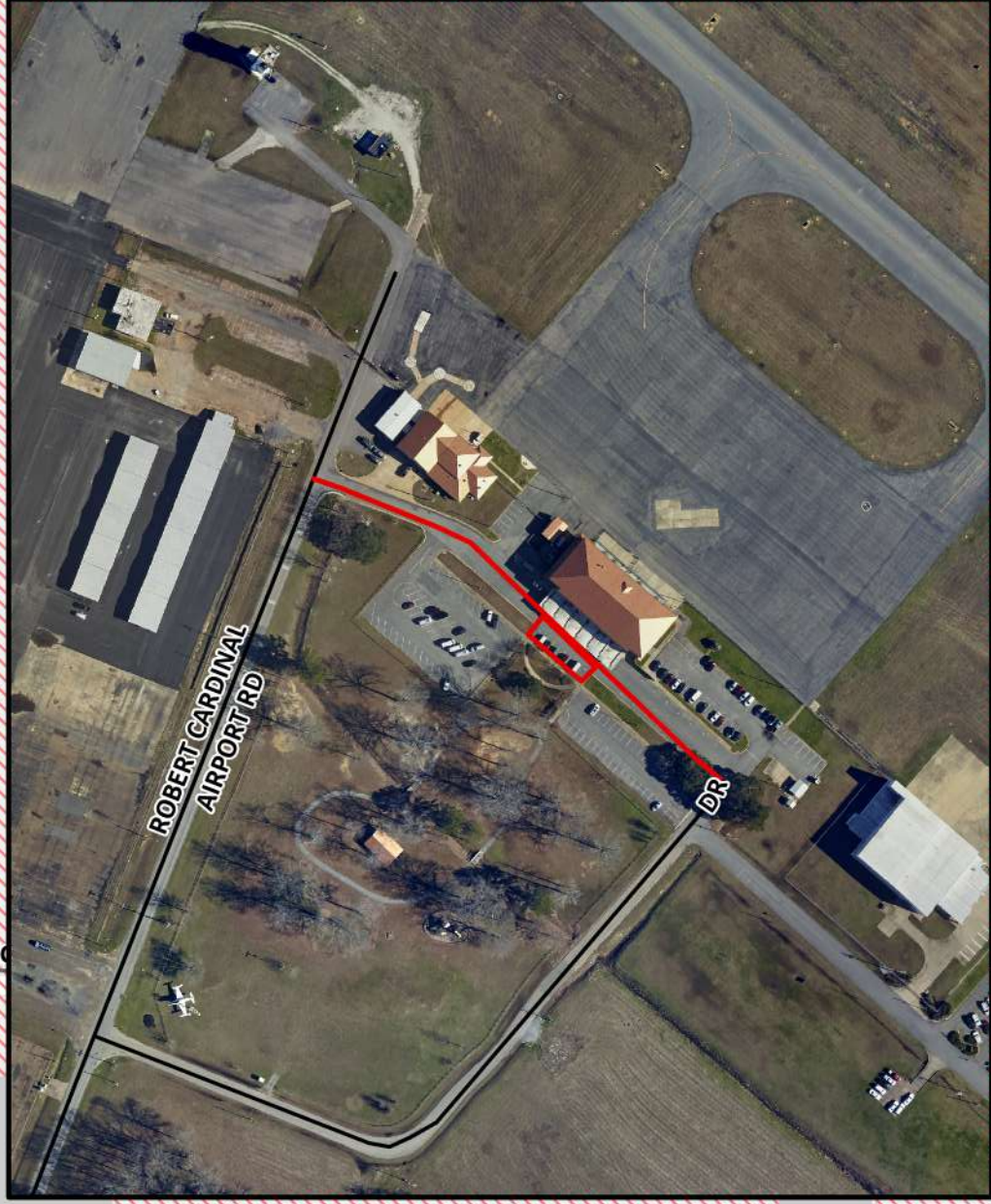
Tuscaloosa City Council Districts

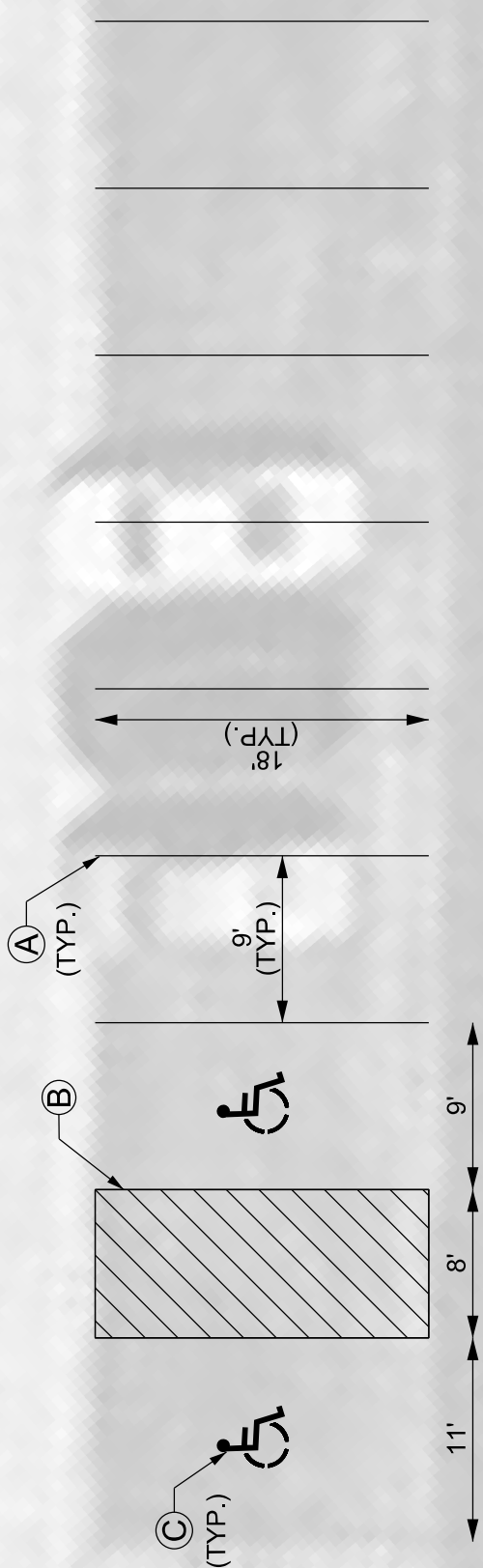
- City Council District 1
- City Council District 2
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- City Council District 6
- City Council District 7



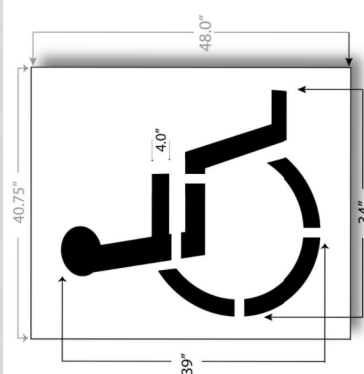
0 160 Feet

Resurfacing Area



[illegible]

NOT TO SCALE



STRIPING, MARKING AND SIGN LEGEND

- (A) REOD. SOLID WHITE, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE (4")
- (B) REOD. SOLID BLUE, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE (4")
- (C) TRAFFIC CONTROL MARKINGS, BLUE, REFLECTIVE, THERMOPLASTIC TRAFFIC STRIPE

Hargrove Rd.

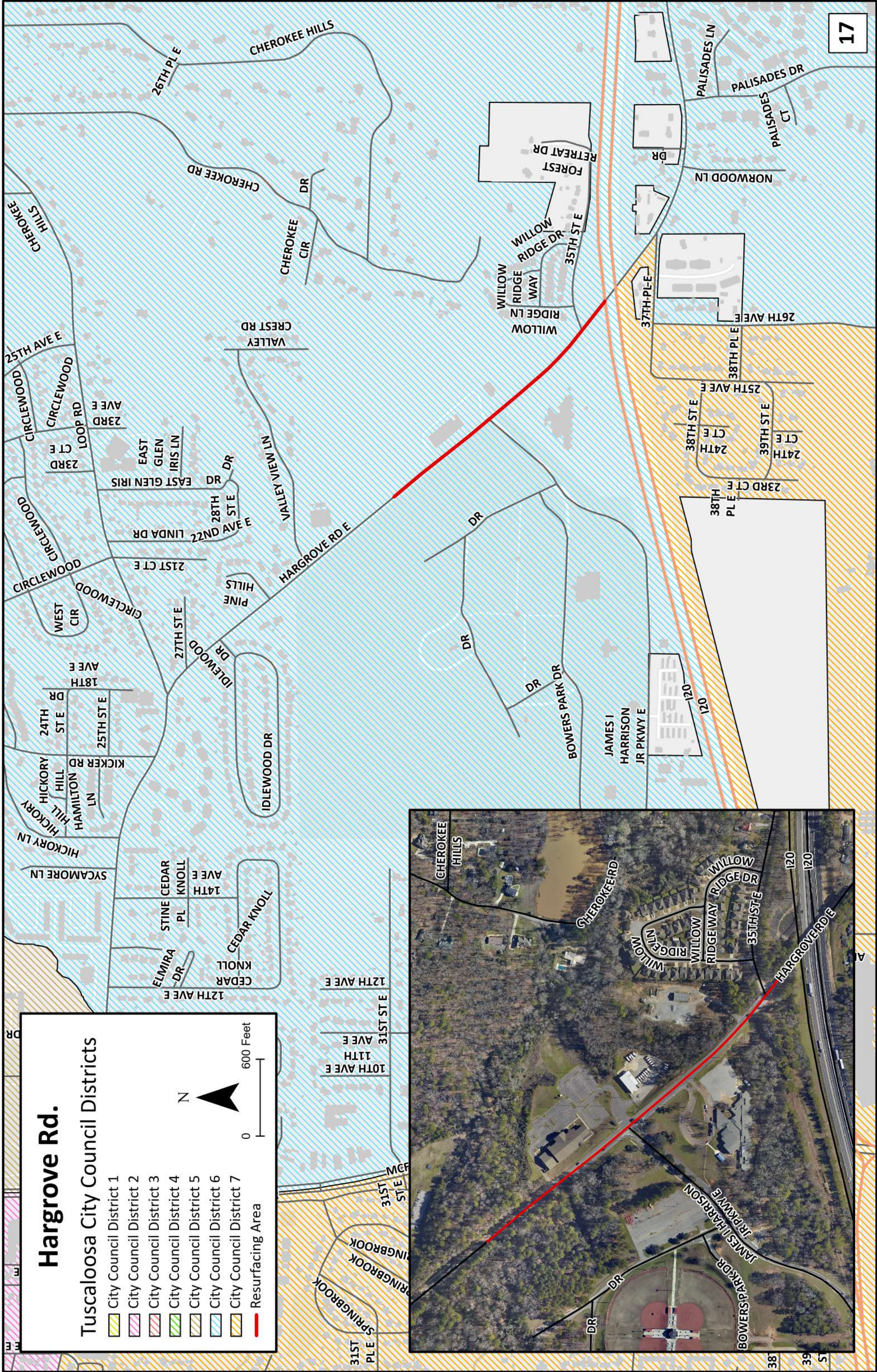
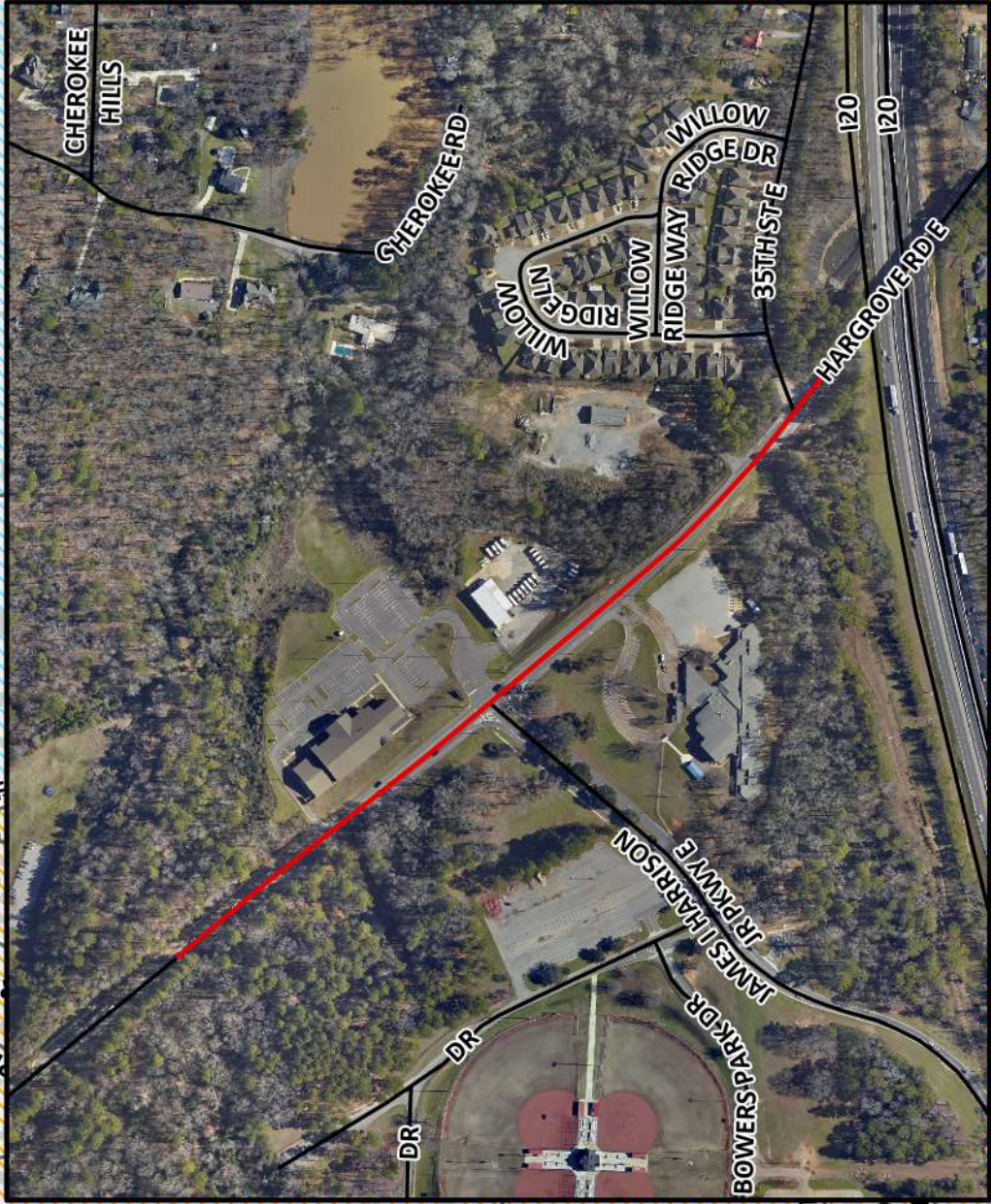
Tuscaloosa City Council Districts

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- City Council District 7

Resurfacing Area



0 600 Feet



Northridge Rd.

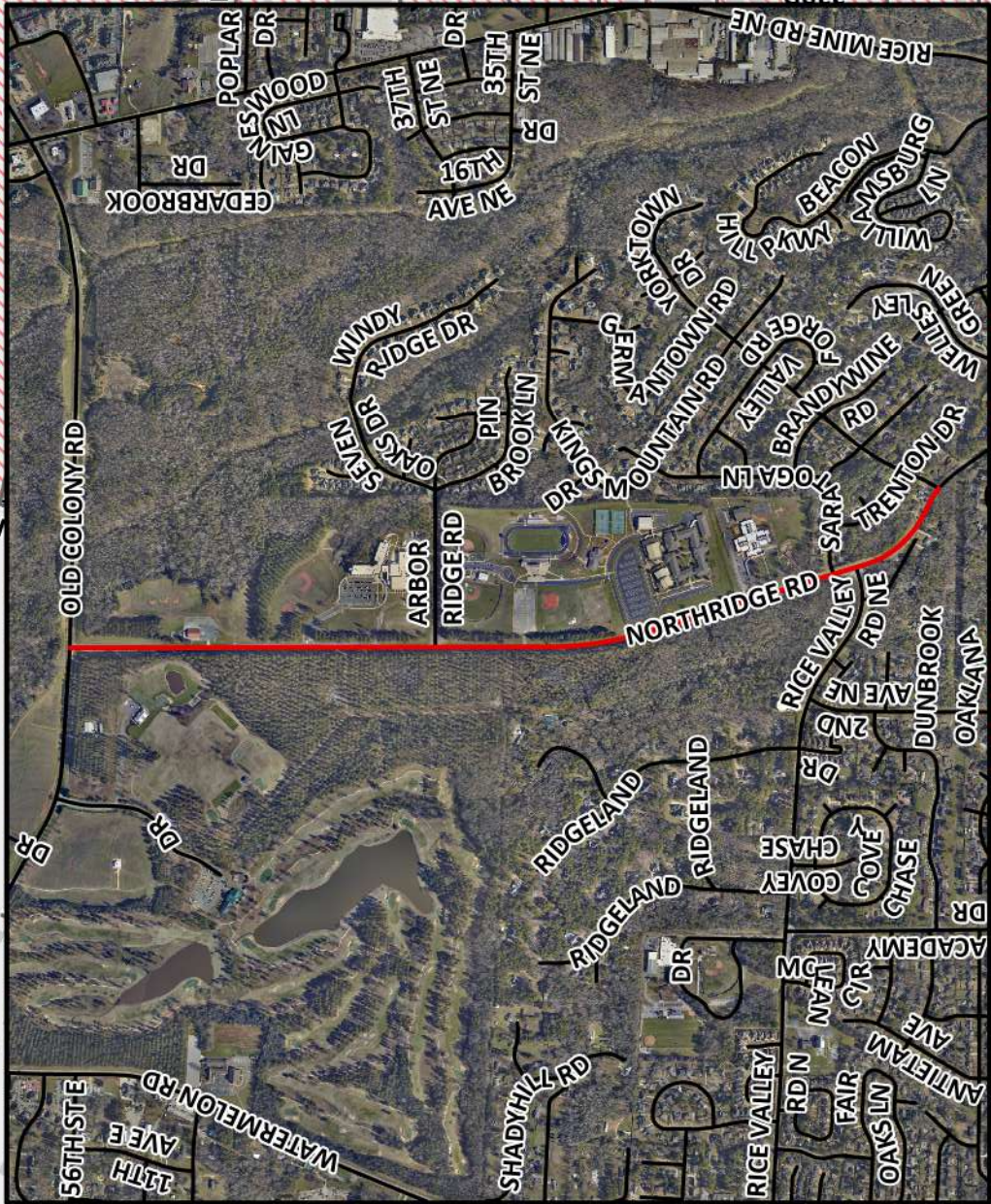
Tuscaloosa City Council Districts

- City Council District 1
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- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7

Resurfacing Area



0 800 Feet



Speed Table Replacement Bluegrass Pkwy & 51st St

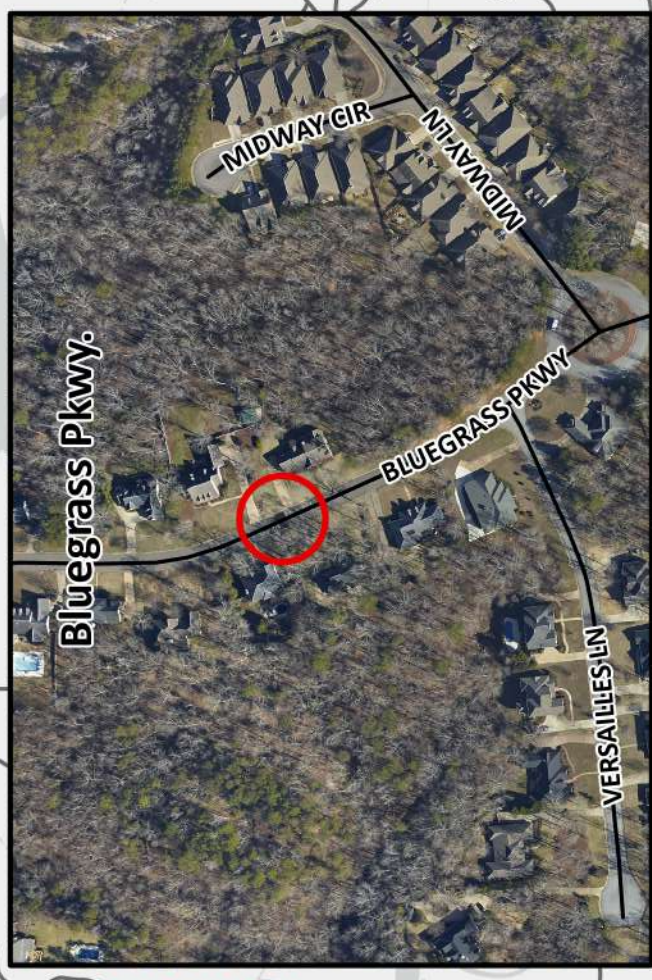
Tuscaloosa City Council Districts

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- City Council District 7

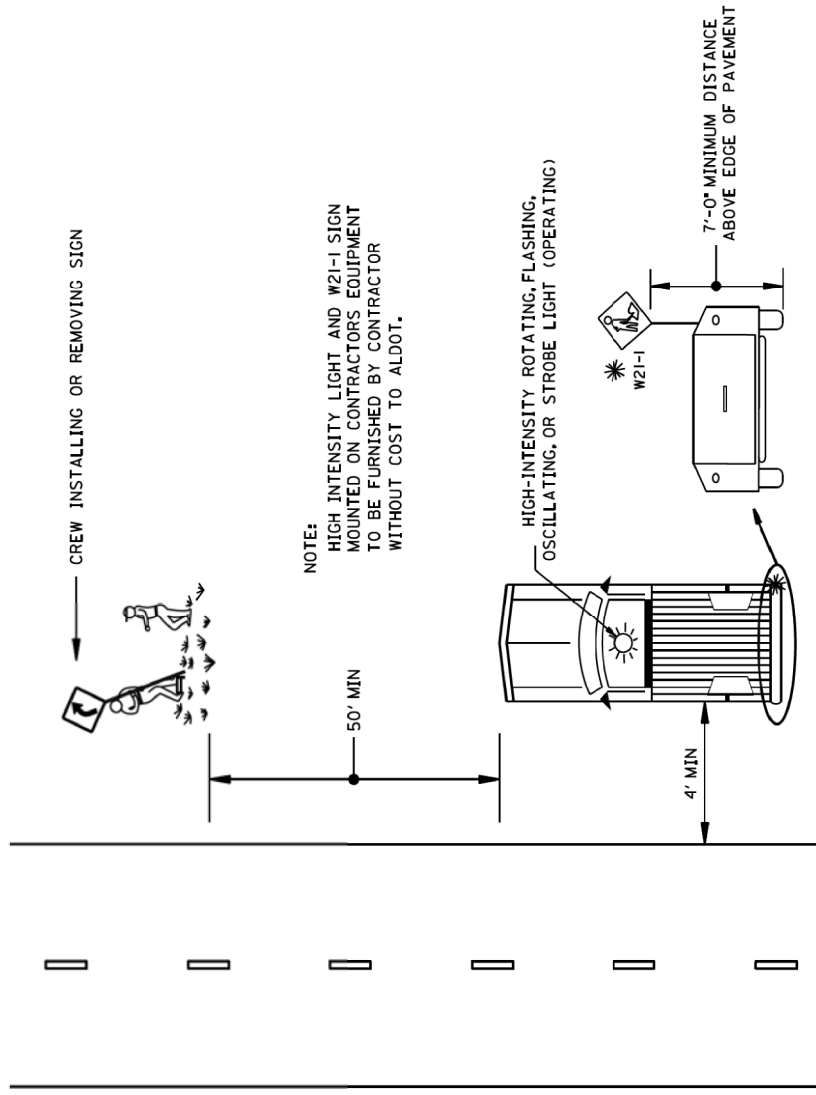
Replacement Area



0 1 Miles



TEMPORARY TRAFFIC CONTROL

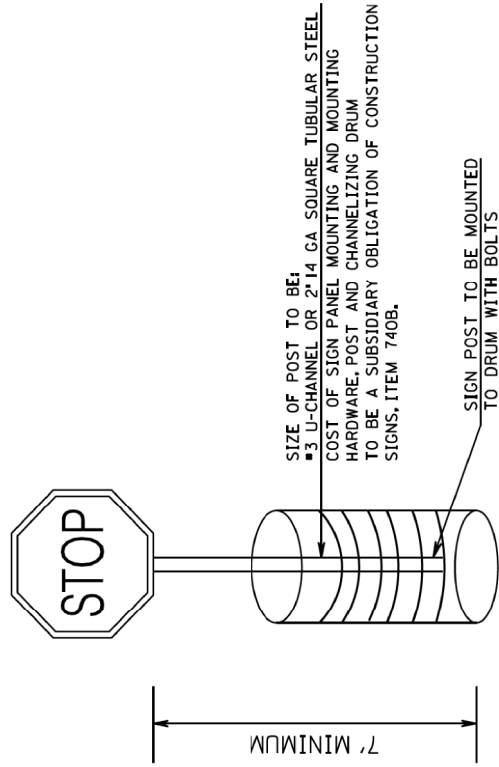


NOTE:
HIGH INTENSITY LIGHT AND W21-I SIGN
MOUNTED ON CONTRACTORS EQUIPMENT
TO BE FURNISHED BY CONTRACTOR
WITHOUT COST TO ALDOT.

____ HIGH-INTENSITY ROTATING, FLASHING,
OSCILLATING, OR STROBE LIGHT (OPERATING)

7'-0" MINIMUM DISTANCE
ABOVE EDGE OF PAVEMENT

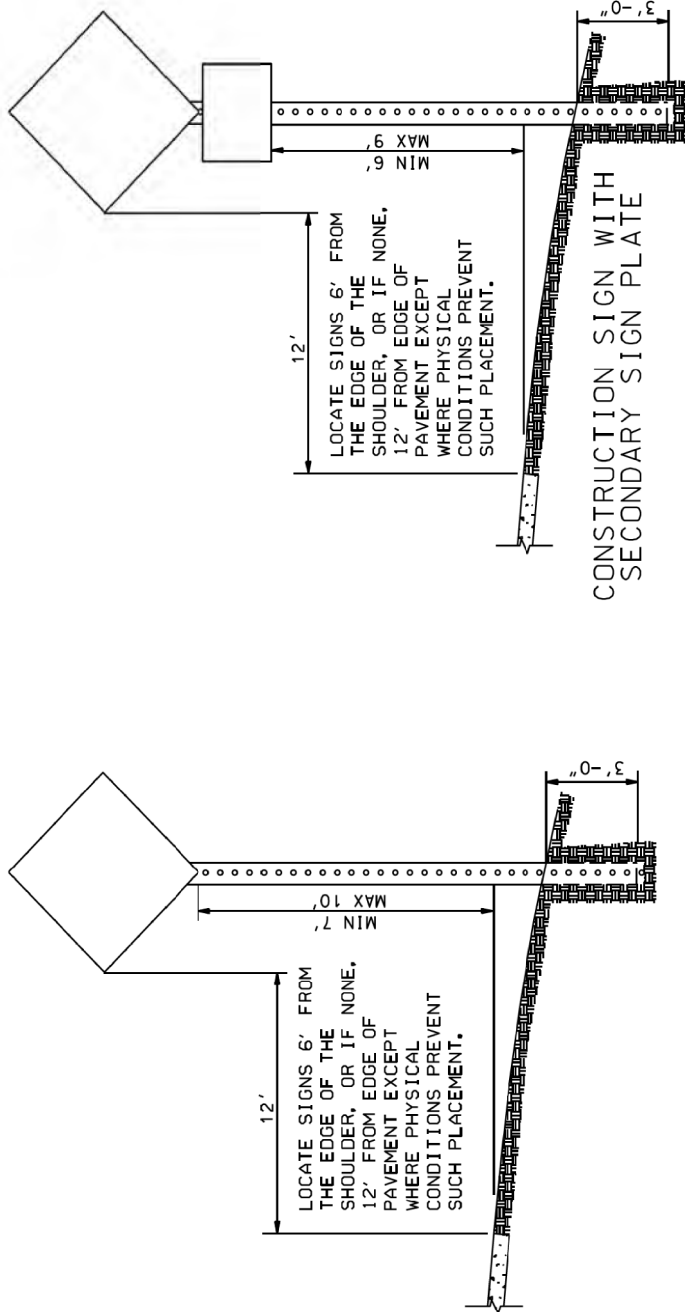
TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



SIZE OF POST TO BE:
■ 3 U-CHANNEL OR 2-14 GA SQUARE TUBULAR STEEL
■ CUSHION POST MOUNTING AND MOUNTING
HARDWARE, POST AND CHANNELIZING DRUM
TO BE A SUBSIDIARY OBLIGATION OF CONSTRUCTION
SIGNS, ITEM 740B.

**SIGN POST TO BE MOUNTED
TO DRUM WITH BOLTS**

DETAIL FOR DRUM MOUNTED CONSTRUCTION SIGNS



CONSTRUCTION SIGN WITH
SECONDARY SIGN PLATE

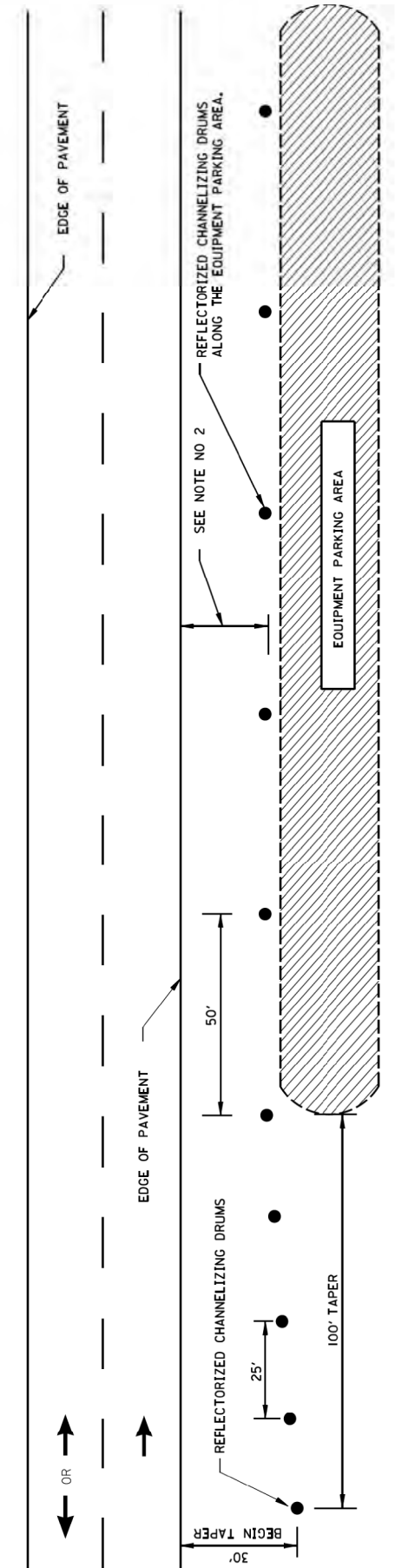
NOTE: IF THE CONTRACTOR CHOOSES TO SPLICE THE POSTS FOR THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON DRAWING IHS-710-23.

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS

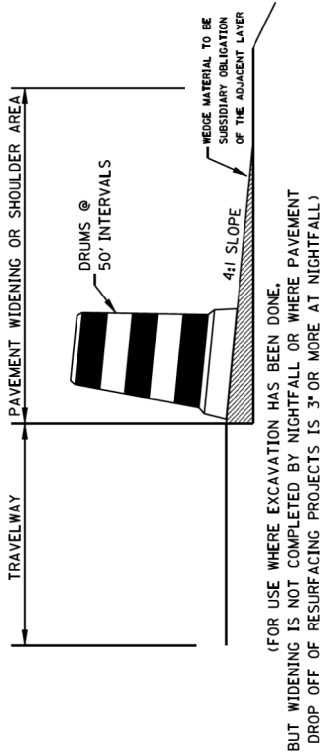
[illegible]

SHEET NUMBER
C5.1

TEMPORARY TRAFFIC CONTROL



TYPICAL FOR DROP-OFF AT EDGE OF PAVEMENT

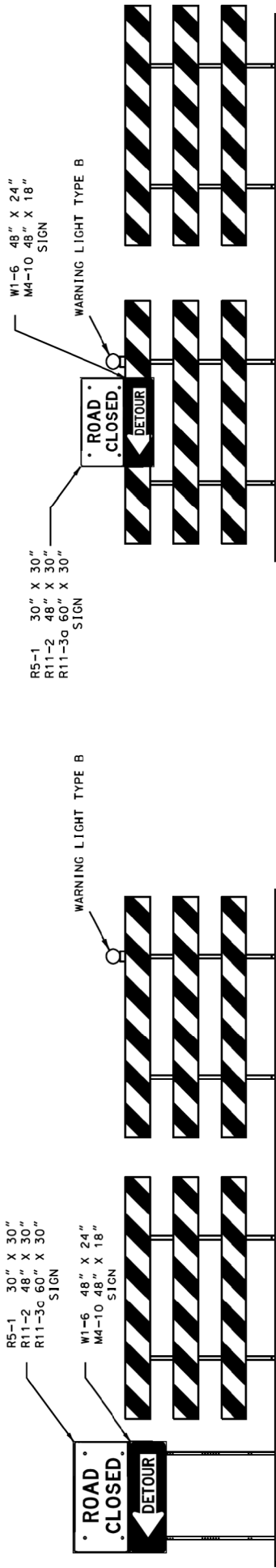


(FOR USE WHERE EXCAVATION HAS BEEN DONE,
BUT WIDENING IS NOT COMPLETED BY NIGHTFALL OR WHERE PAVEMENT
DROP OFF OF RESURFACING PROJECTS IS 3" OR MORE AT NIGHTFALL)

NOTE: THE CONTRACTOR IS TO CONSTRUCT A WEDGE OF UNCLASSIFIED EXCAVATION OR CRUSHED AGGREGATE BASE. THE COST OF PLACING AND REMOVAL SHALL BE A SUBSIDIARY OBLIGATION OF THE ADJACENT LAYER.

CHANNELIZING DRUMS SHALL BE PLACED AT 50 FT INTERVALS.

DELINEATING DETAIL FOR EQUIPMENT PARKING OR STORING AREA



III BARRICADES INSIDE OF CLEAR ZONE

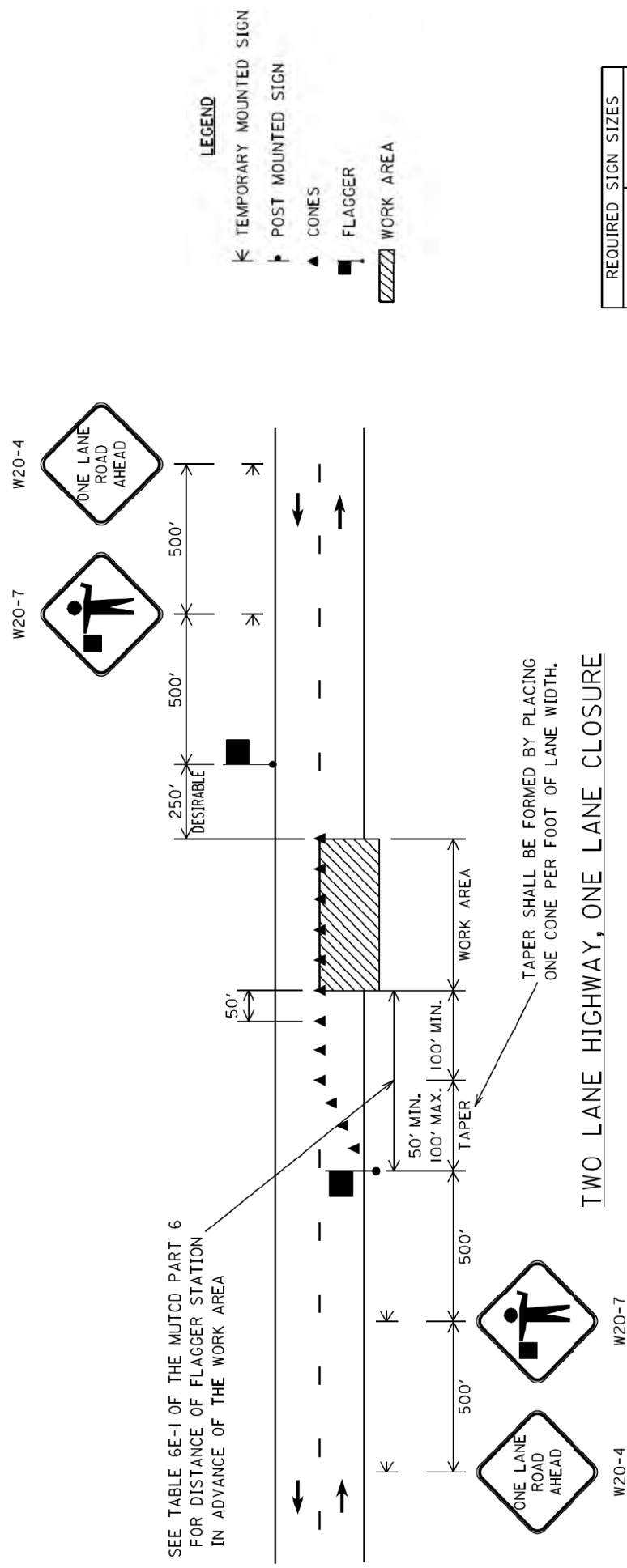
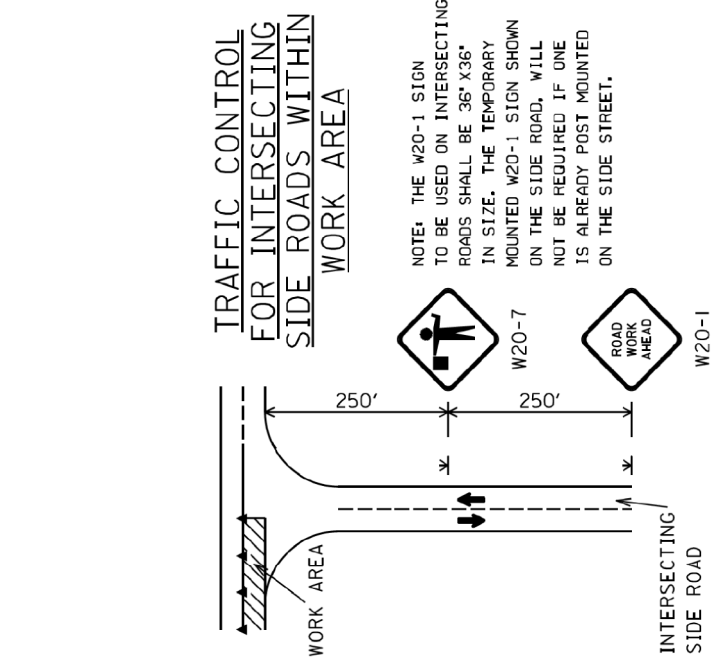
DETAILS FOR TYPICAL PLACEMENT OF TYPE III BARRICADES OUTSIDE OF CLEAR ZONE

NOTES

1. SLOPE OF STRIPES ON BARRICADES SHALL BE IN ACCORDANCE WITH SECTION 6F.68 OF THE MUTCD AND DRAWING B-107-2.
2. IF SIGNS ARE REQUIRED TO BE USED IN CONJUNCTION WITH TYPE III BARRICADES TO BE PLACED INSIDE THE CLEAR ZONE, THEY SHALL BE POST MOUNTED TO THE SIDE OF THE BARRICADES AS SHOWN.
3. IF ROAD CLOSED OR DETOUR SIGNS ARE REQUIRED TO BE USED WITH TYPE III BARRICADES TO BE PLACED OUTSIDE THE CLEAR ZONE, THEY SHALL BE PLACED ON THE TOP OF THE BARRICADES NEAREST THE DETOUR.

[illegible]

TEMPORARY TRAFFIC CONTROL



REQUIRED SIGN SIZES	
W20-1	48" X 48"
W20-4	48" X 48"
W20-7	48" X 48"

			DRAWN BY: CRC	CHECKED BY: BMG	PROJECT NO.: 2021.052.001
NO.	DATE	DESCRIPTION			

SHEET NUMBER
C5.3

SHEET NUMBER	C69.2
NO.	
DATE	
DESCRIPTION	
DRAWN BY: CRC	
CHECKED BY: BMG	
DATE: 2/9/2022	
PROJECT NO.: 2021.052.001	



1. EXPANSION JT. REOD. @ 50' INTERVALS. CONTRACTION JOINTS SHALL BE SAWCUT 2" DEEP BY 1/8" WIDE AND SHALL BE 10' O.C.
- * 2. GUTTER THICKNESS SHALL MATCH ADJACENT PAVEMENT THICKNESS WHEN INSTALLED WITH CONCRETE PAVEMENT (SEE PLANS AND CONCRETE PAVEMENT DETAILS).
3. GUTTER ADJACENT TO CONCRETE PAVEMENT SHALL BE POURED WITH CONCRETE THAT HAS A COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS AND 600 PSI FLEXURAL STRENGTH AT 28 DAYS.
4. CONTRACTOR SHALL ADD 1" DOWELS, 14" LONG, 12" O.C. AT ALL GUTTERS AND OTHER FLAT SURFACES ADJACENT TO CONCRETE PAVEMENT WHERE BUSES COULD RIDE OVER.

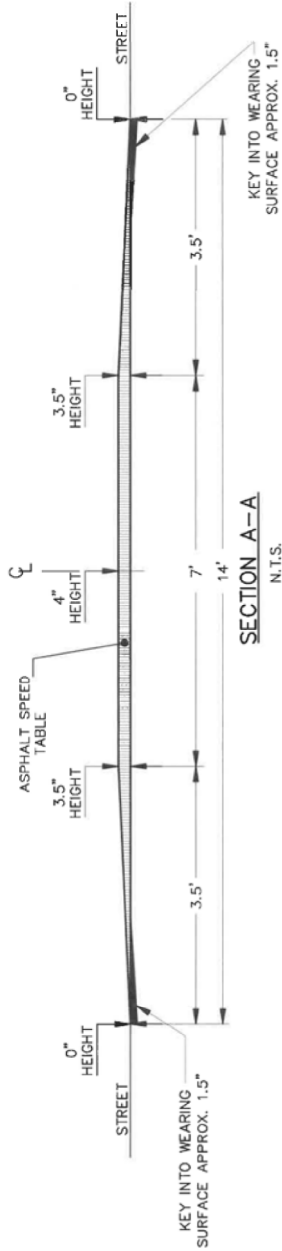


NOTES:

1. EXPANSION JT. REQ'D. @ 50' INTERVALS. CONTRACTION JOINTS SHALL BE SAWCUT 2" DEEP BY 1/8" WIDE AND SHALL BE 10' O.C.
2. THE CONTRACTOR SHALL MATCH THE DIMENSIONS AND PROFILE OF THE EXISTING COMBINATION CURB AND GUTTER. GUTTER THICKNESS SHALL BE 6" MINIMUM. (IF APPLICABLE)
3. ALL ROADWAY CURB AND GUTTERS TO BE INSTALLED ON CRUSHED AGGREGATE STONE BASE COURSE (ALDOT SECTION #25, TYPE B) 6" MIN. THICKNESS)(COMPACTED TO 100% AASHTO T-99) UNLESS OTHERWISE DIRECTED ON ROADWAY TYPICAL SECTIONS.

NOTES:

1. If travel lane is 10' or less in width from the centerline, then the edge of the speed table shall extend to match the edge of pavement.
2. White thermoplastic advance warning markings shall be placed in accordance with the MUTCD 2009 Edition Figure 3B-31. Said markings shall be placed the same day the speed table is constructed.
3. Thermoplastic markings shall not be installed on new asphalt for 14 days. Immediately after installing the speed table temporary markings shall be placed before reopening the roadway to normal traffic operations.
4. A W17-1 "SPEED TABLE" sign (36"x36") with a W13-1P "35 MPH" Supplemental Plaque (24"x24") shall be installed for each approach. Sign Locations will be staked in the field by the City of Tuscaloosa. Signs shall meet ADOT specifications for Type III Class 4 aluminum flat panel signs (.080 Gauge) and shall be installed on a 12" U-channel, 2 LBS/LF, Galvanized Post.



STANDARD ASPHALT SPEED TABLE

