

I-2/46



I-2/47



I-2/48



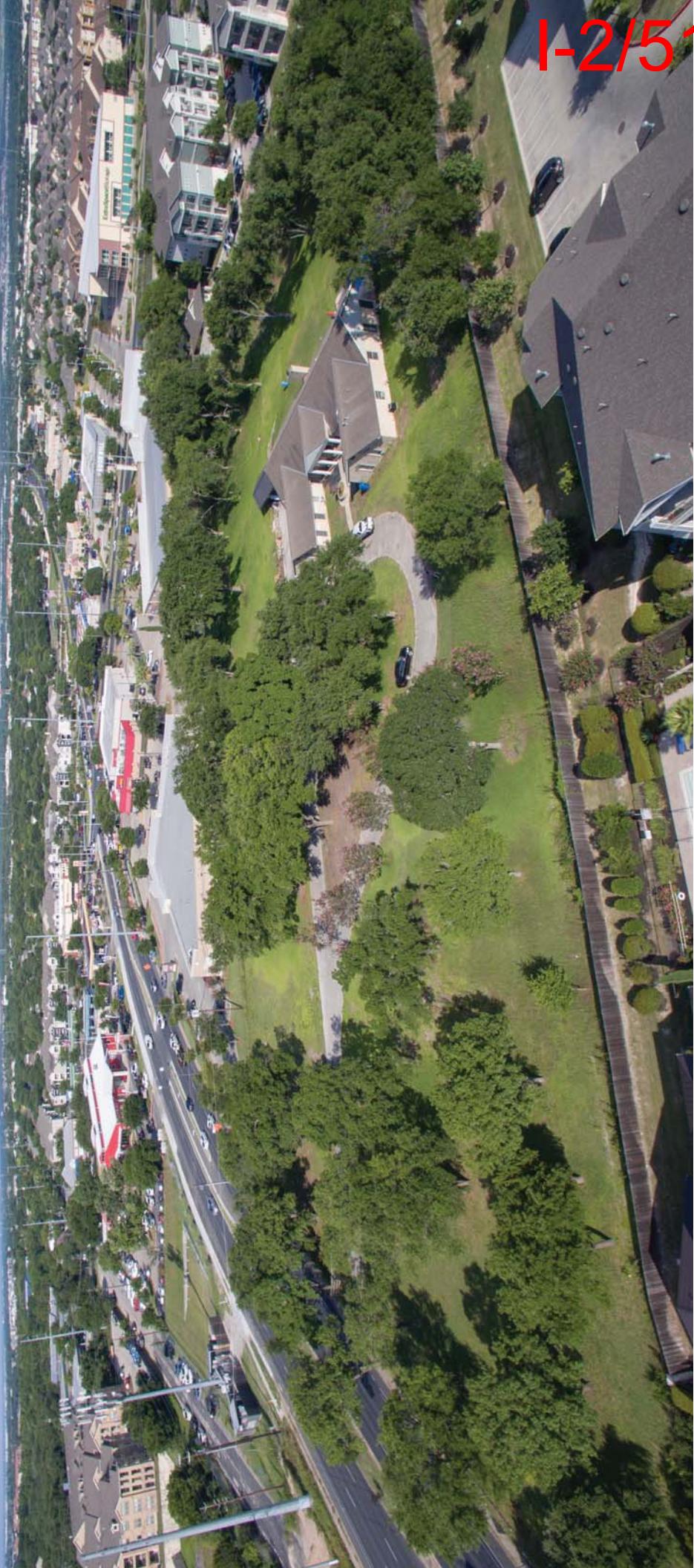
I-2/49



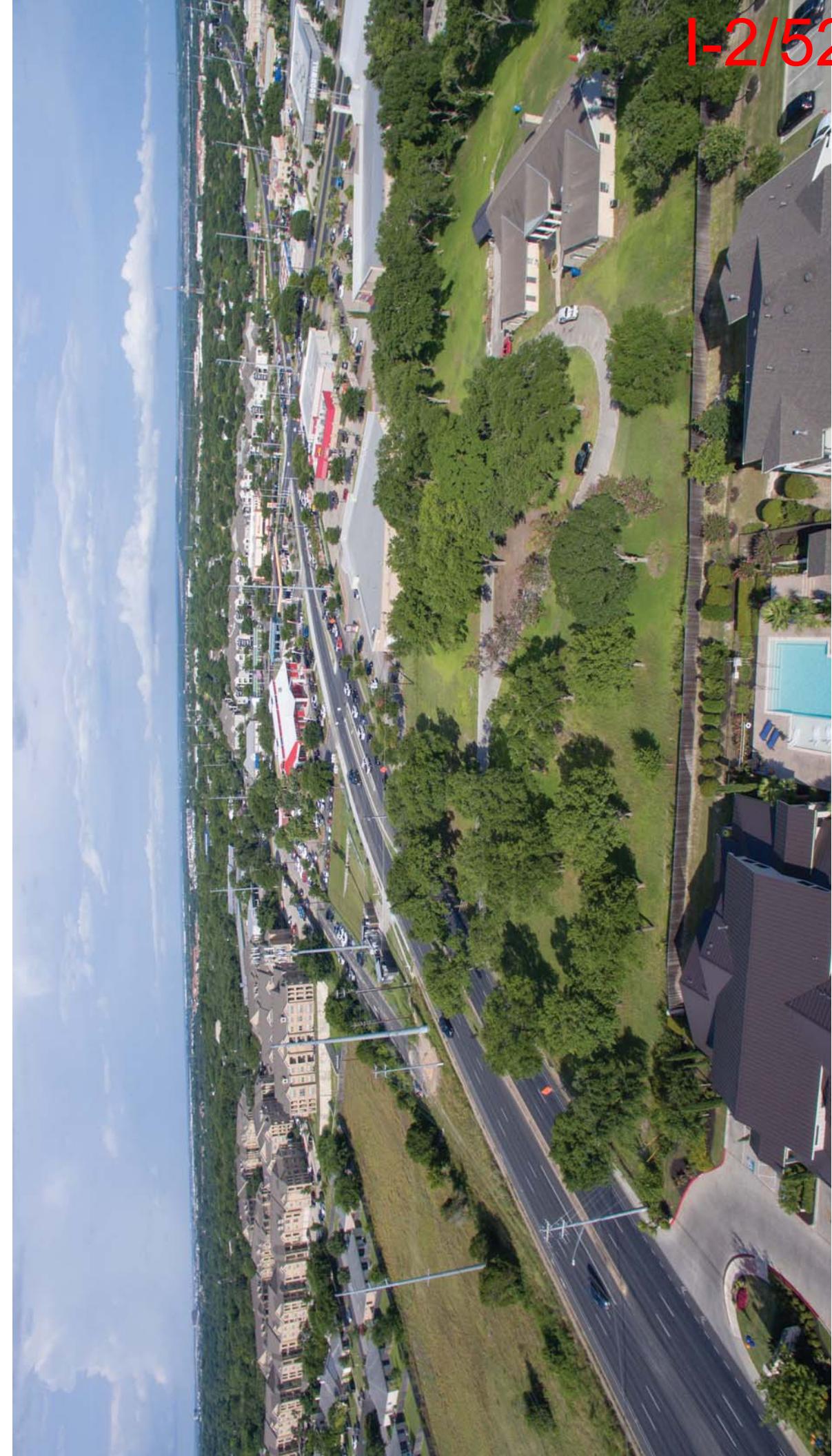
I-2/50



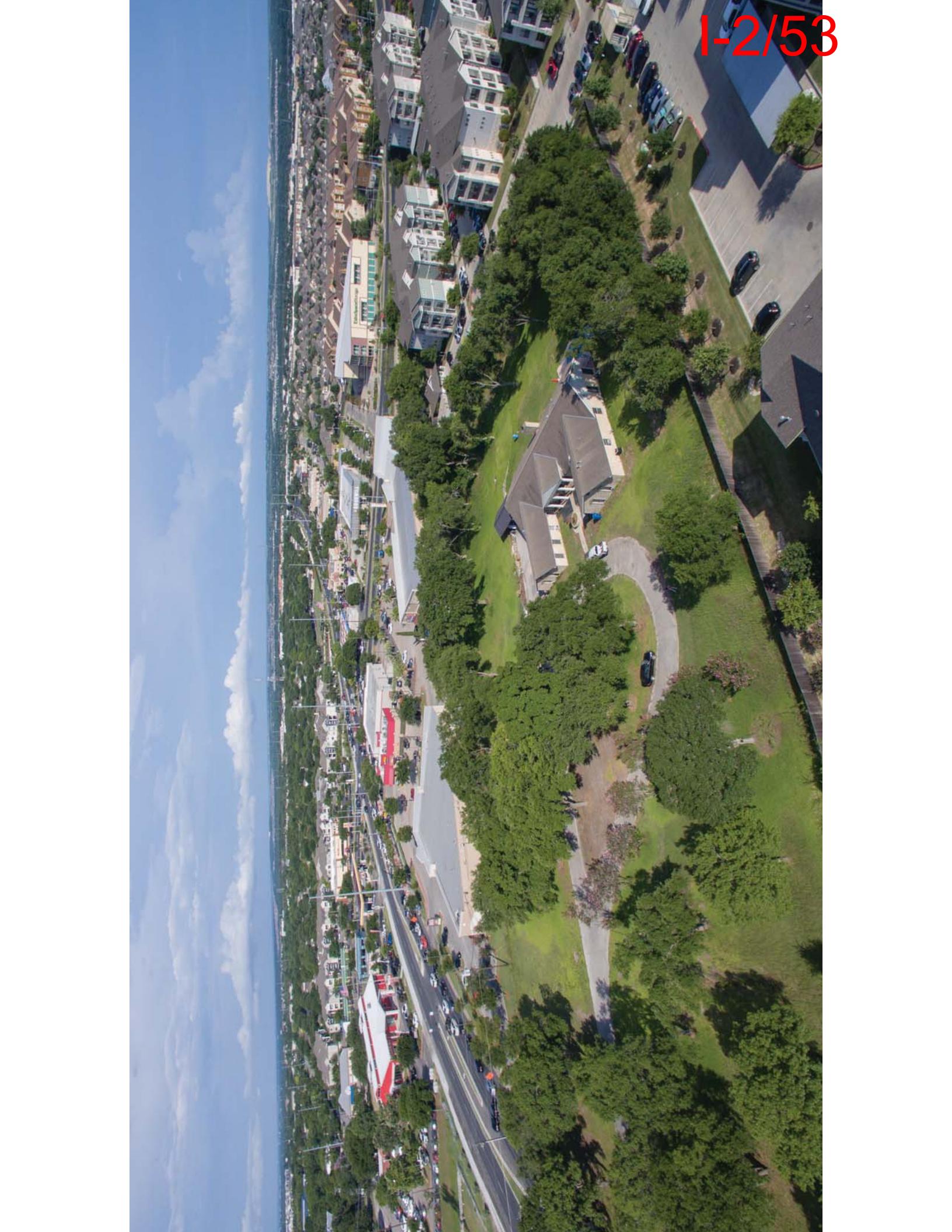
I-2/51



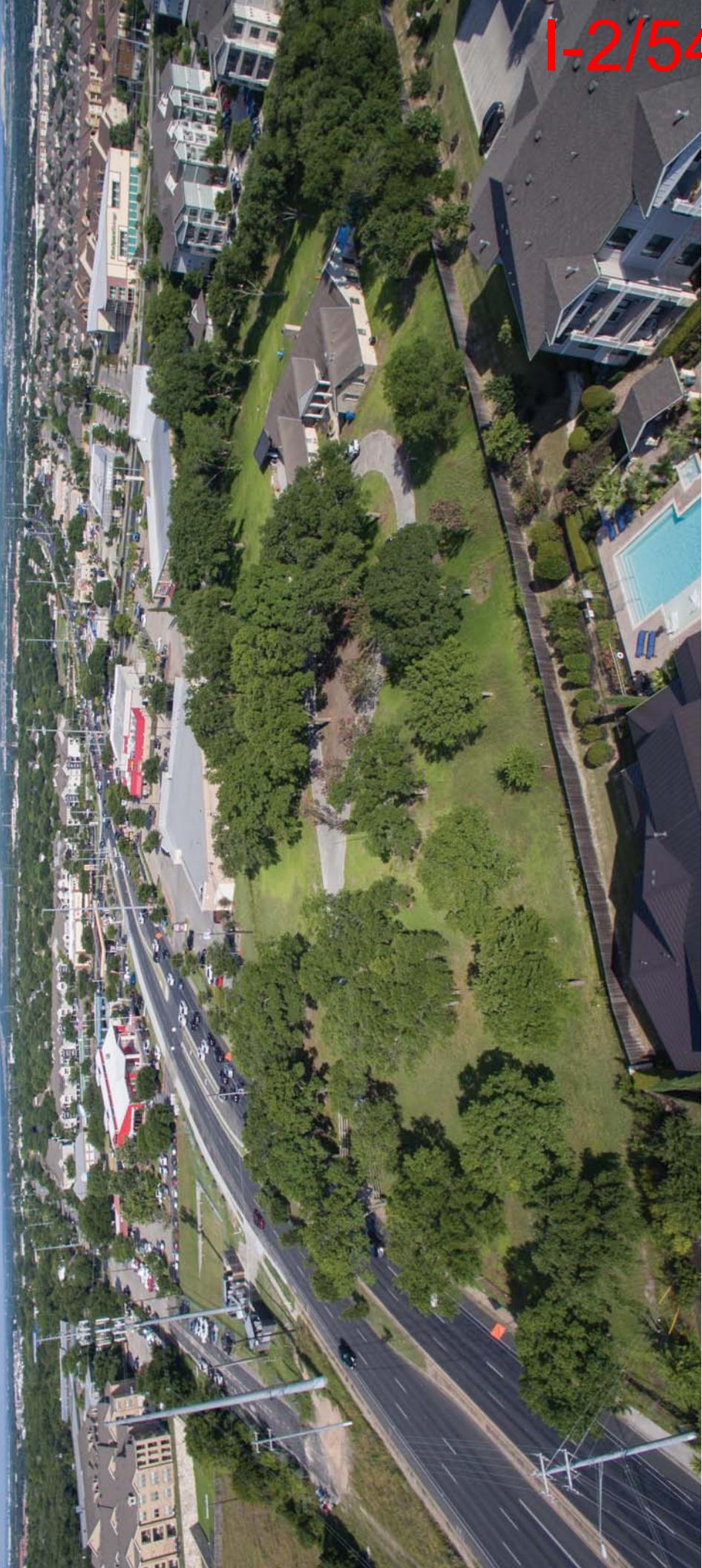
I-2/52



I-2/53



I-2/54



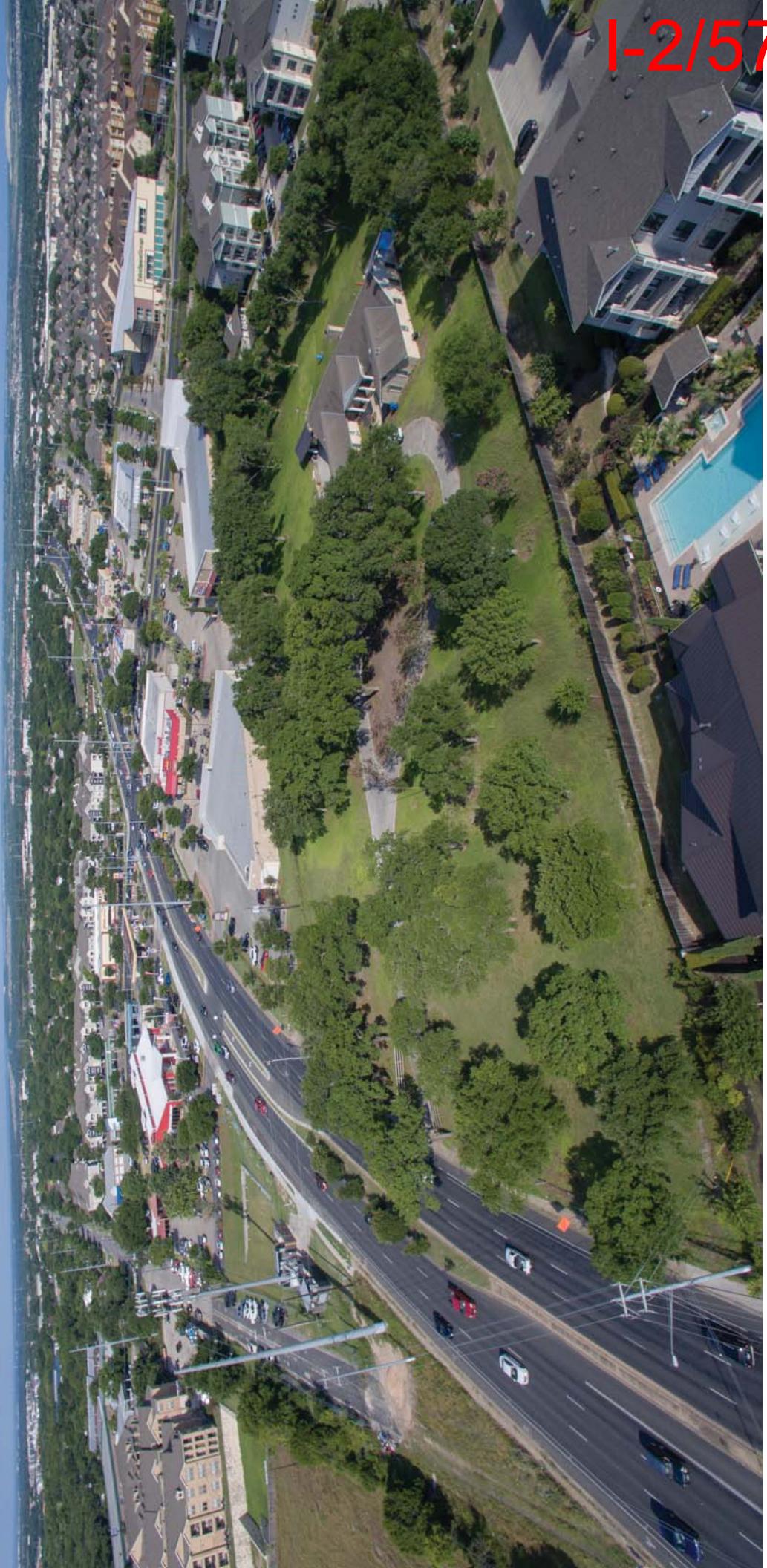
I-2/55



I-2/56



I-2/57



I-2/58



I-2/59



I-2/60



I-2/61



I-2/62



I-2/63

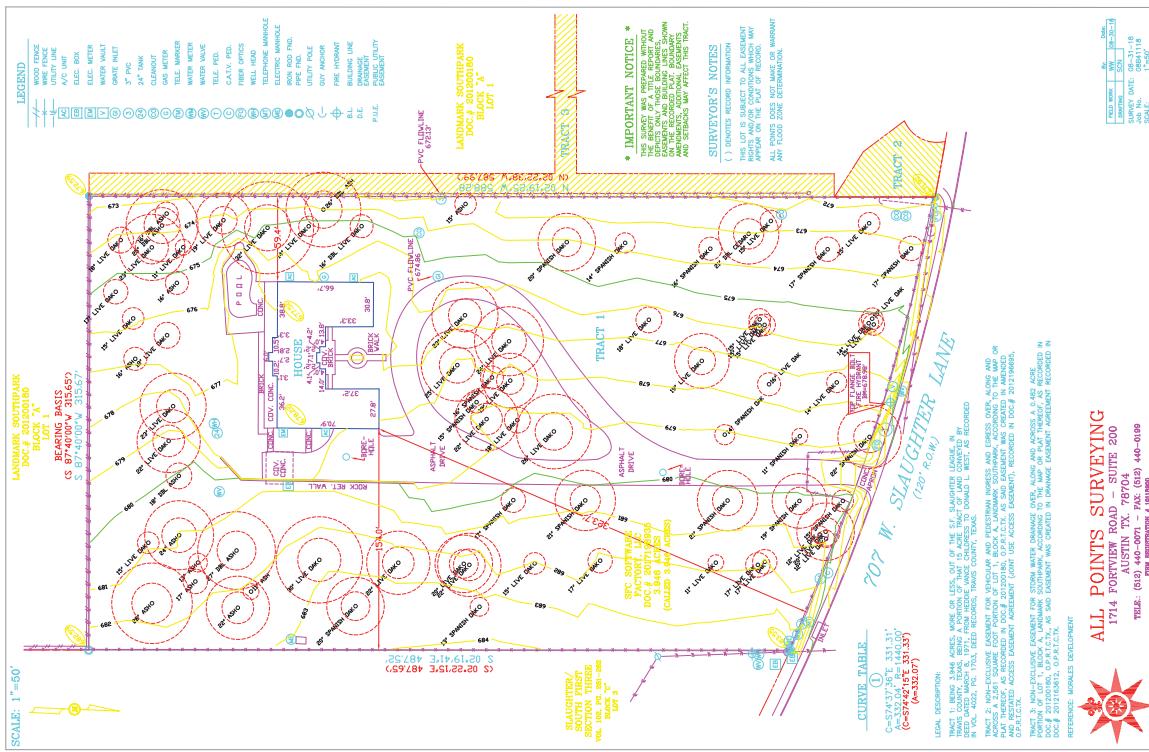


Seven O Seven

707 W. Slaughter Lane

SFC Software Factory LLC

Survey



SCALE: 1" = 50'



Signal Warrant Study

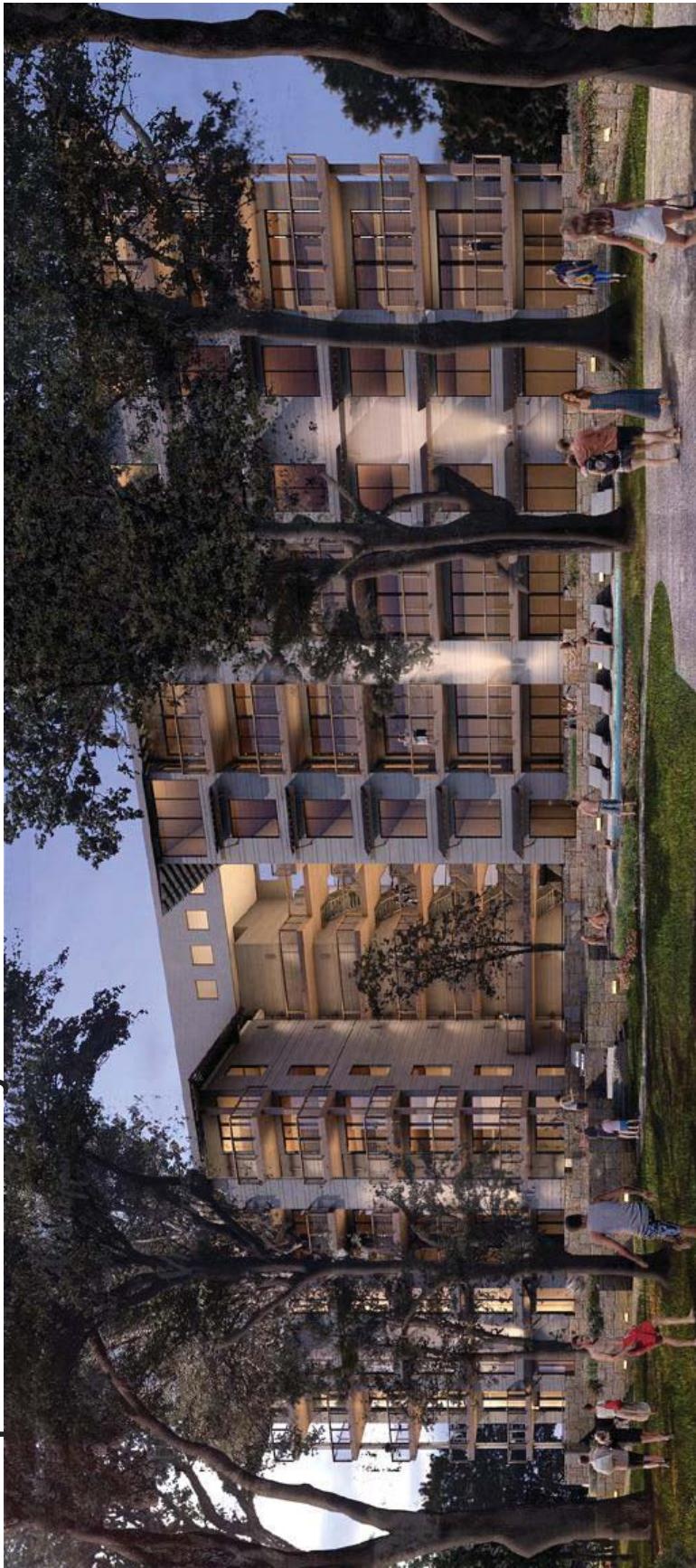
SLAUGHTER LANE DEVELOPMENT

March 2019

This document is released for the purposes of AGENCY REVIEW by City of Austin under the authority of Jacob A. Sessions, P.E.#121212 on March 8, 2019. It is not to be used as a FINAL document for construction, bidding, recordation, conveyance, sales, or as the basis for the issuance of a permit. Upon resolution of review comments, this agency review block will be removed, and a sealed FINAL version of this document will be submitted to City of Austin for recordation and permitting.

Prepared by:
Alliance Transportation Group, Inc.
11500 Metric Blvd, Bldg M-1, Ste 150
Austin, TX 78758
Office 512.221.2084
T.B.P.E. Firm Registration No. 812

Proposed Project



707 W SLAUGHTER LANE
AUSTIN, TX 78748

B L A C C K I + V E R N O O Y
A R C H I T E C T U R E

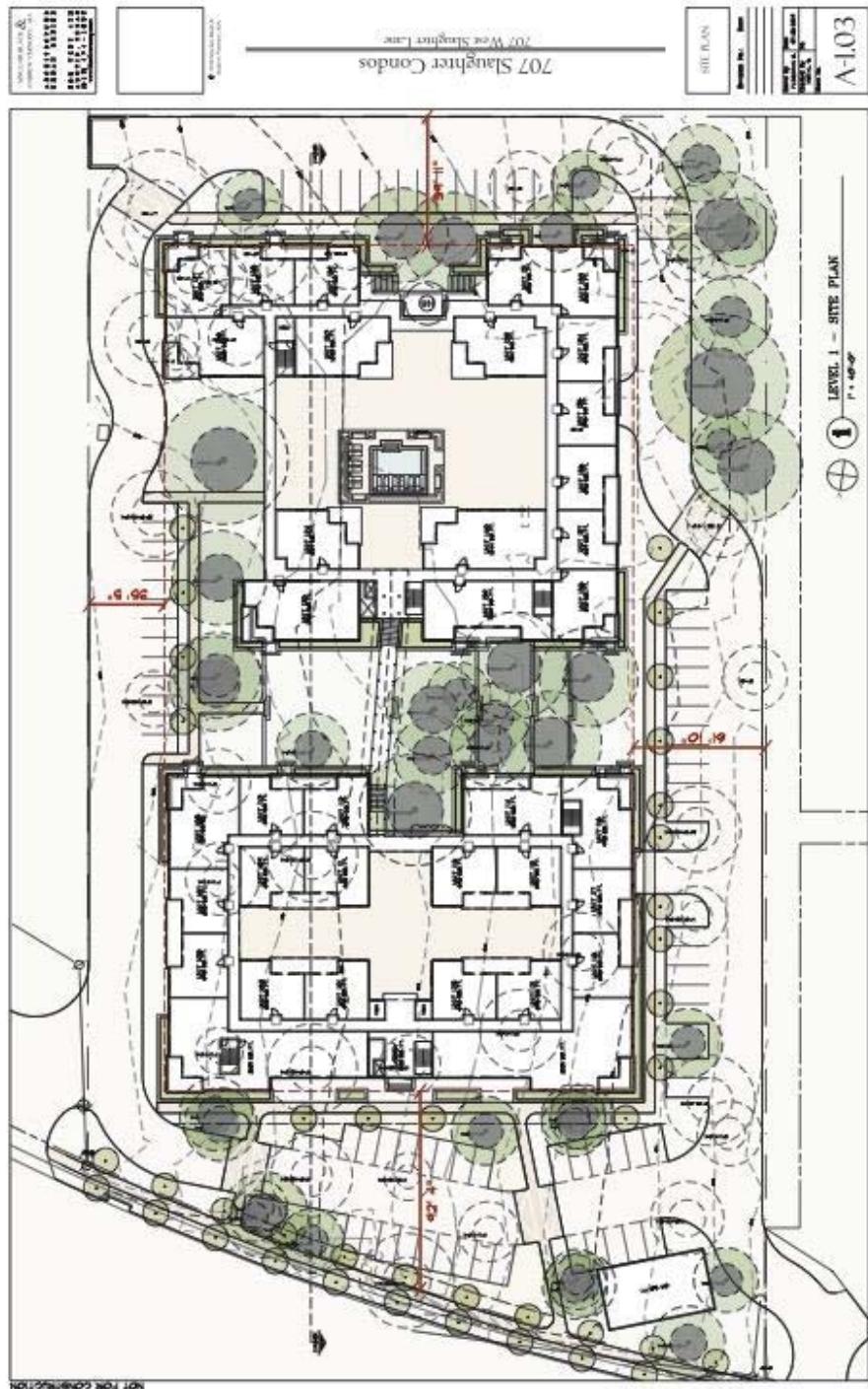
06/11/2019
707 RENDERING

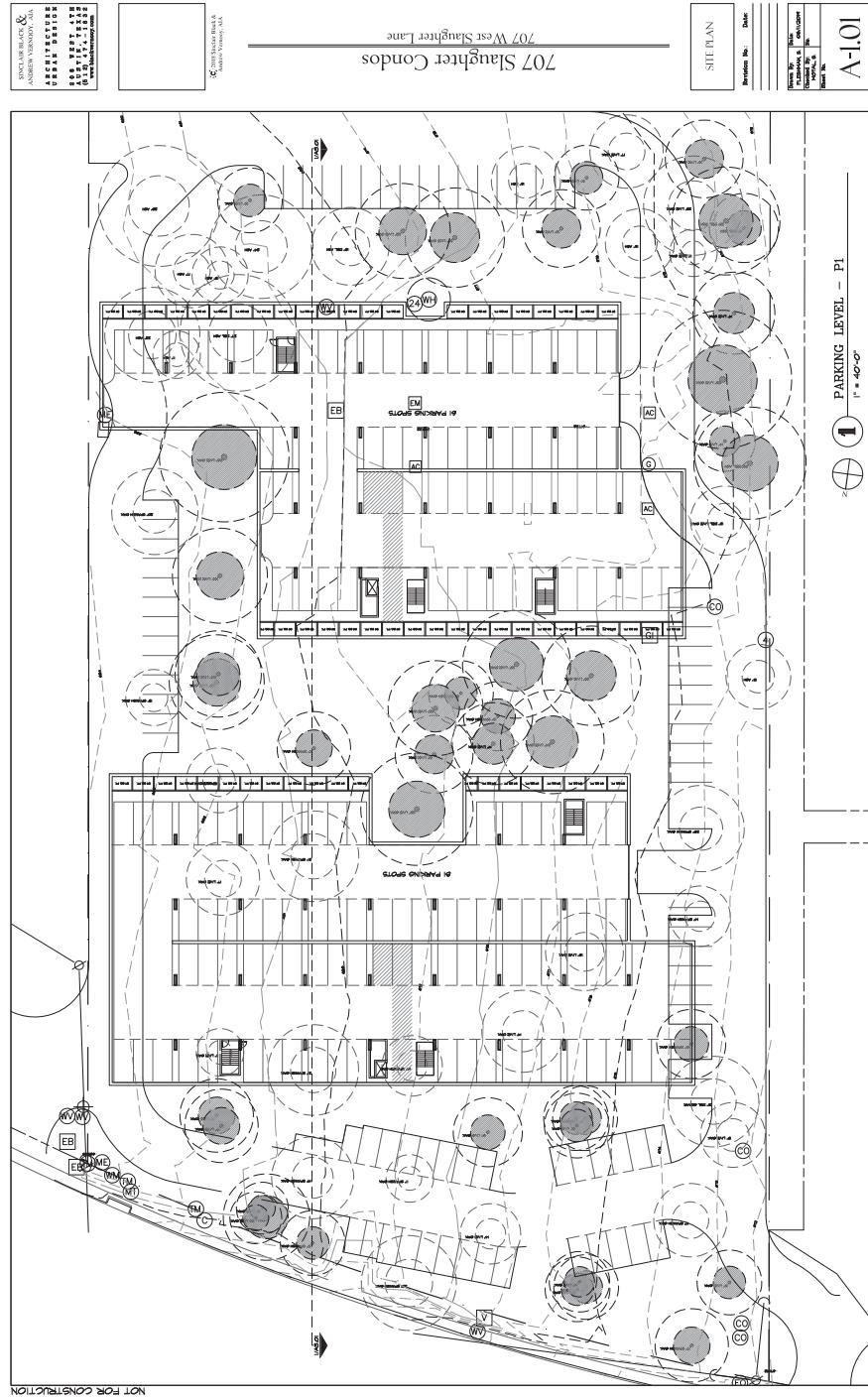


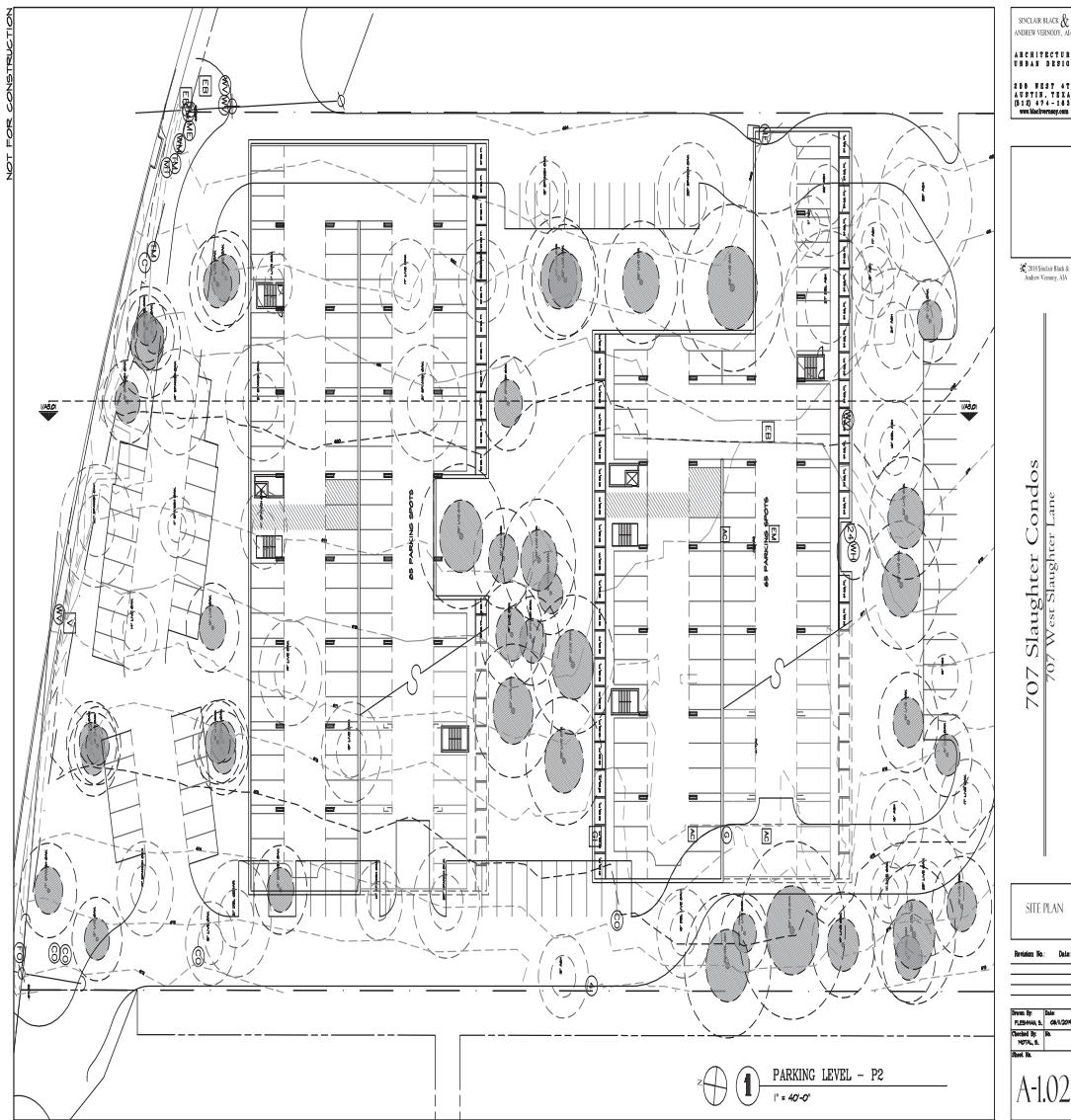
707 W SLAUGHTER LANE
AUSTIN, TX 78748

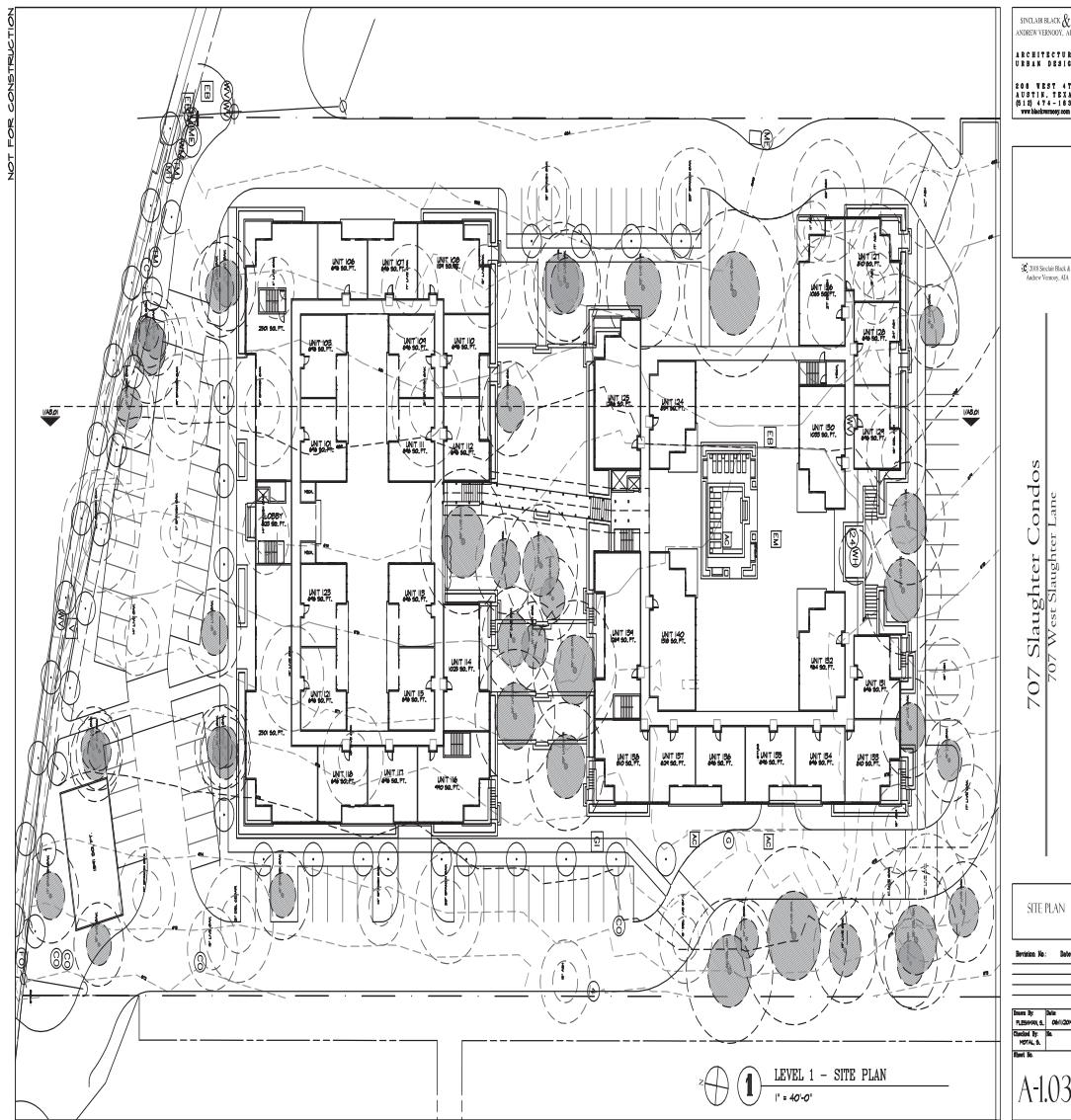
BLACK & VEATCH
AERIAL SURVEY

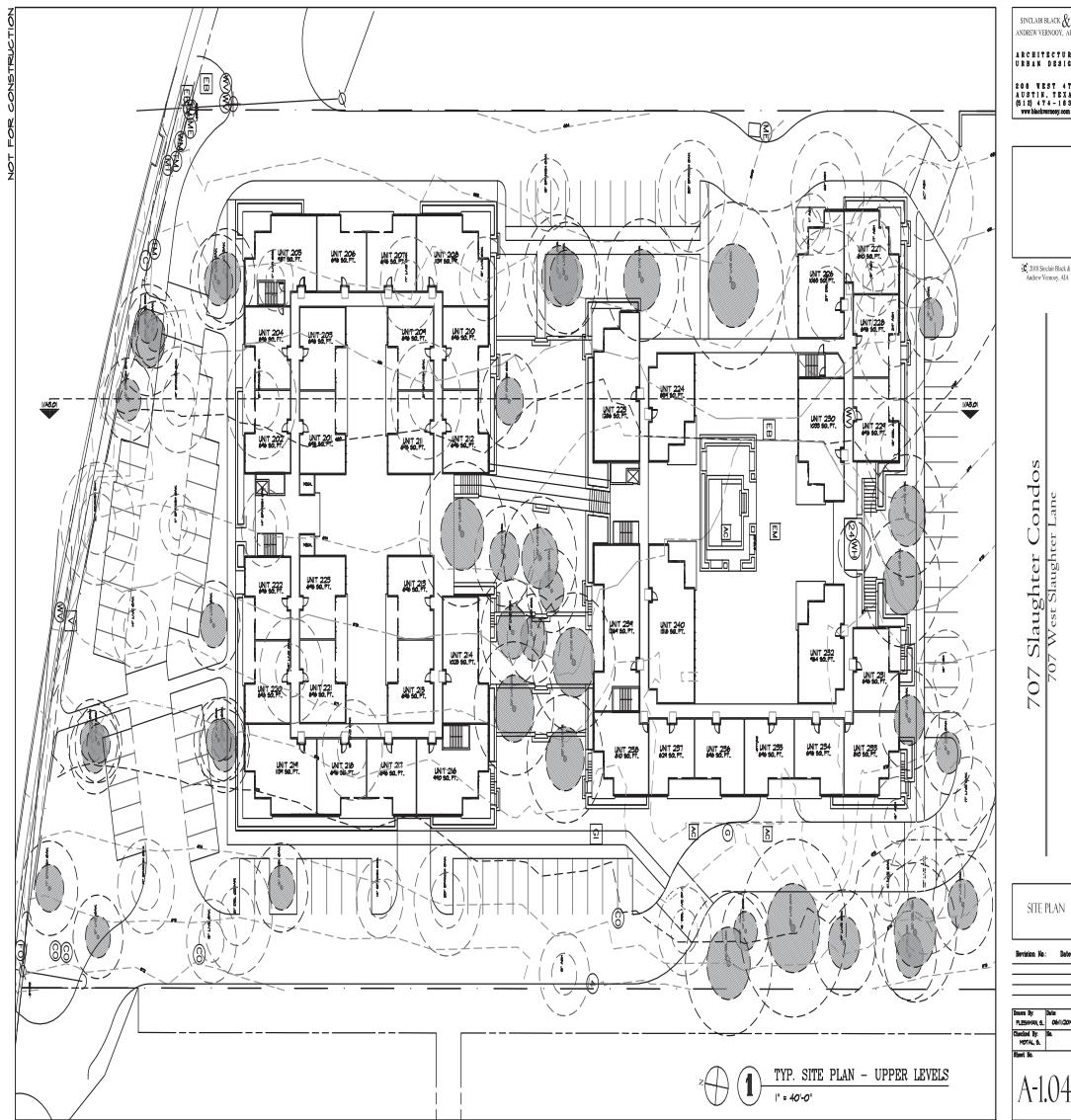
06/11/2019
707 EXISTING CONDITIONS

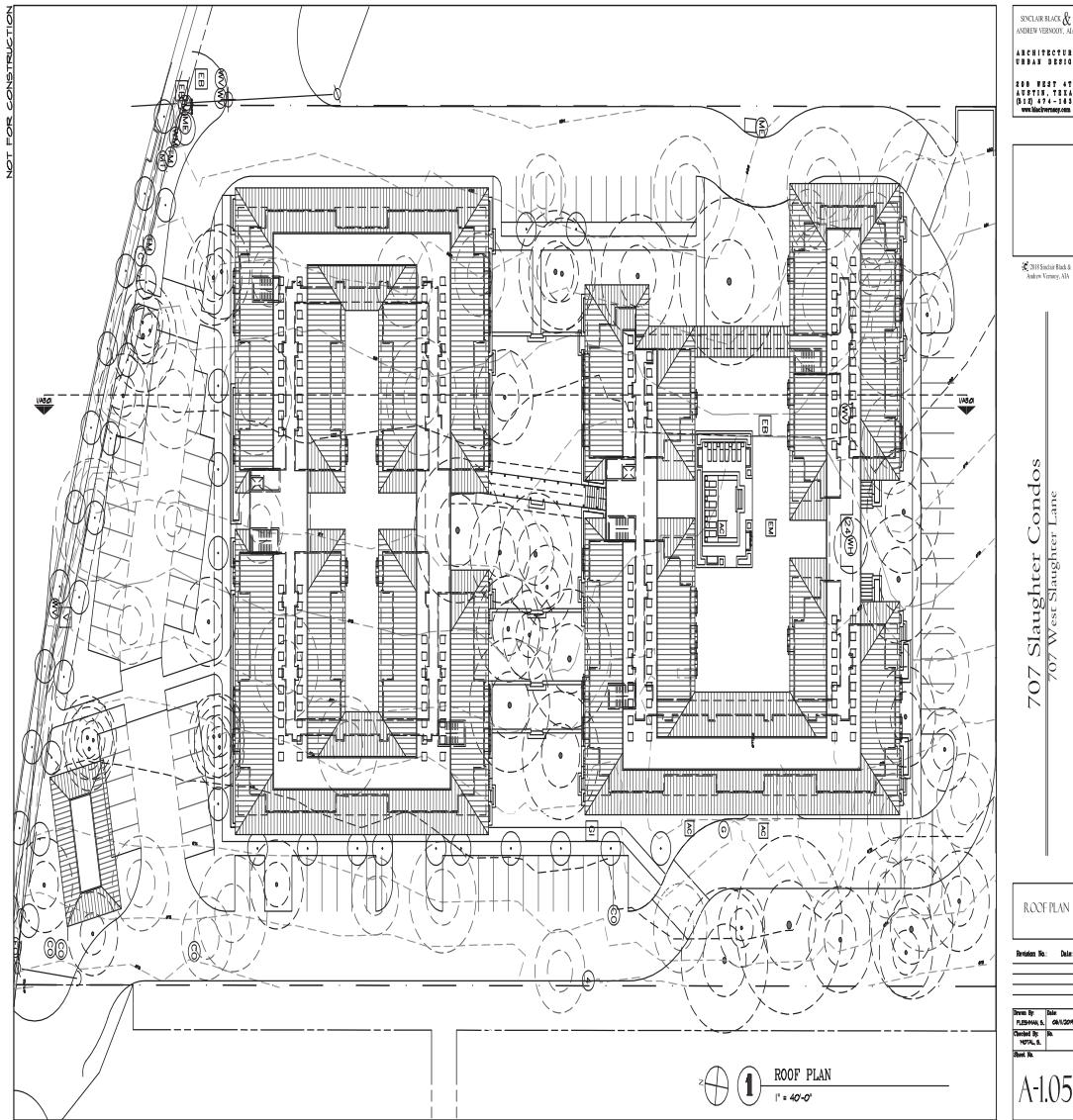


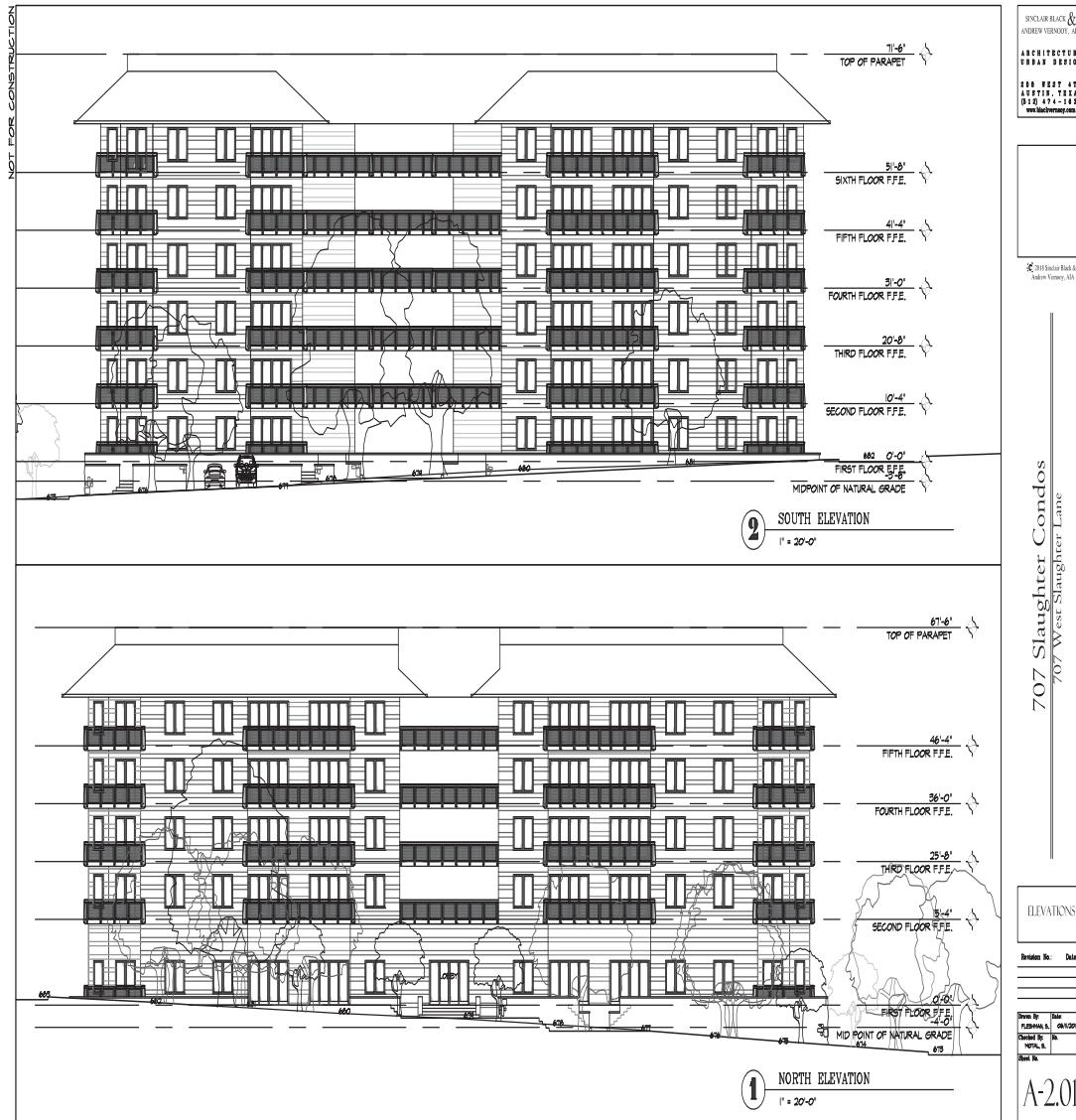


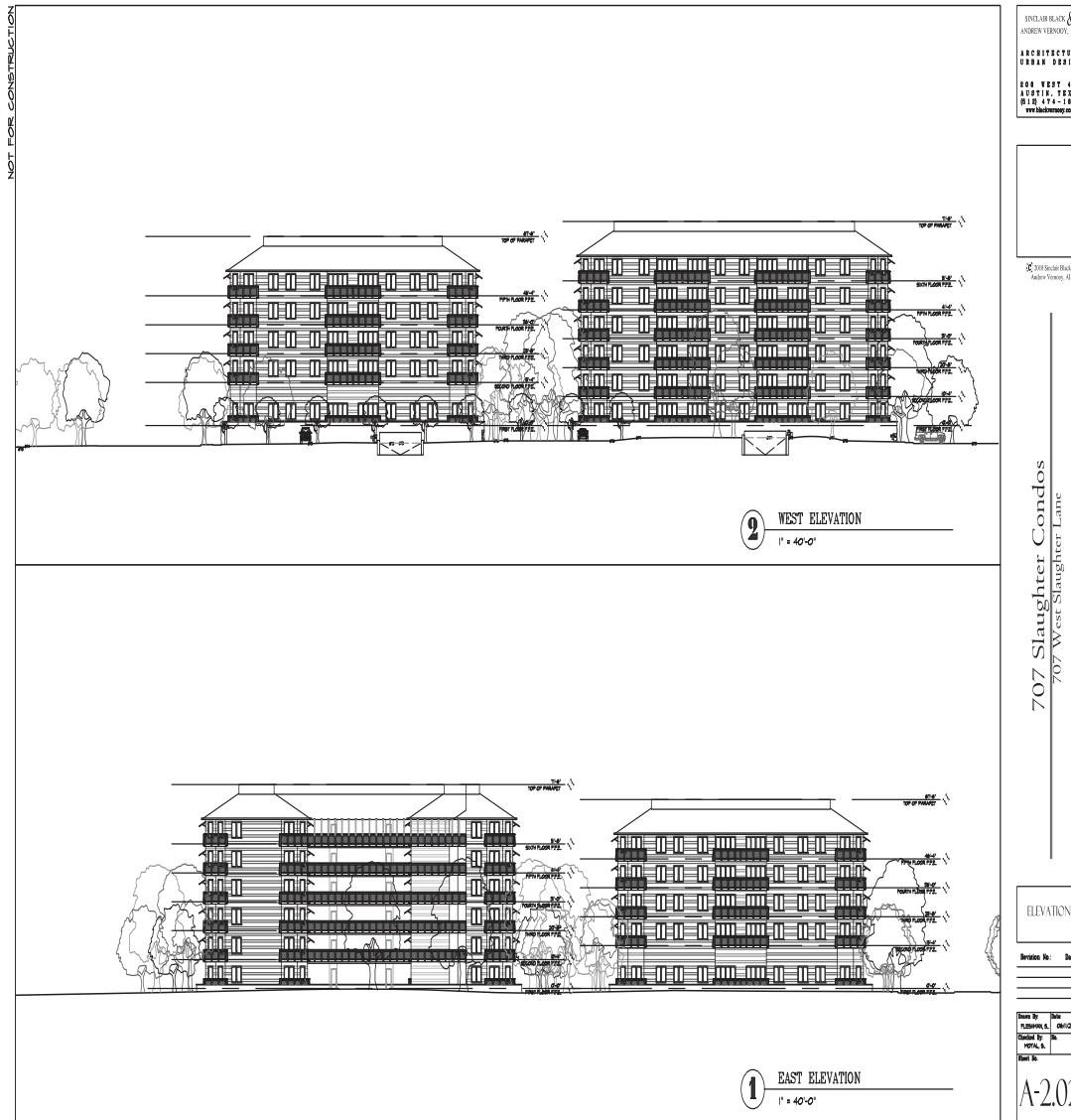




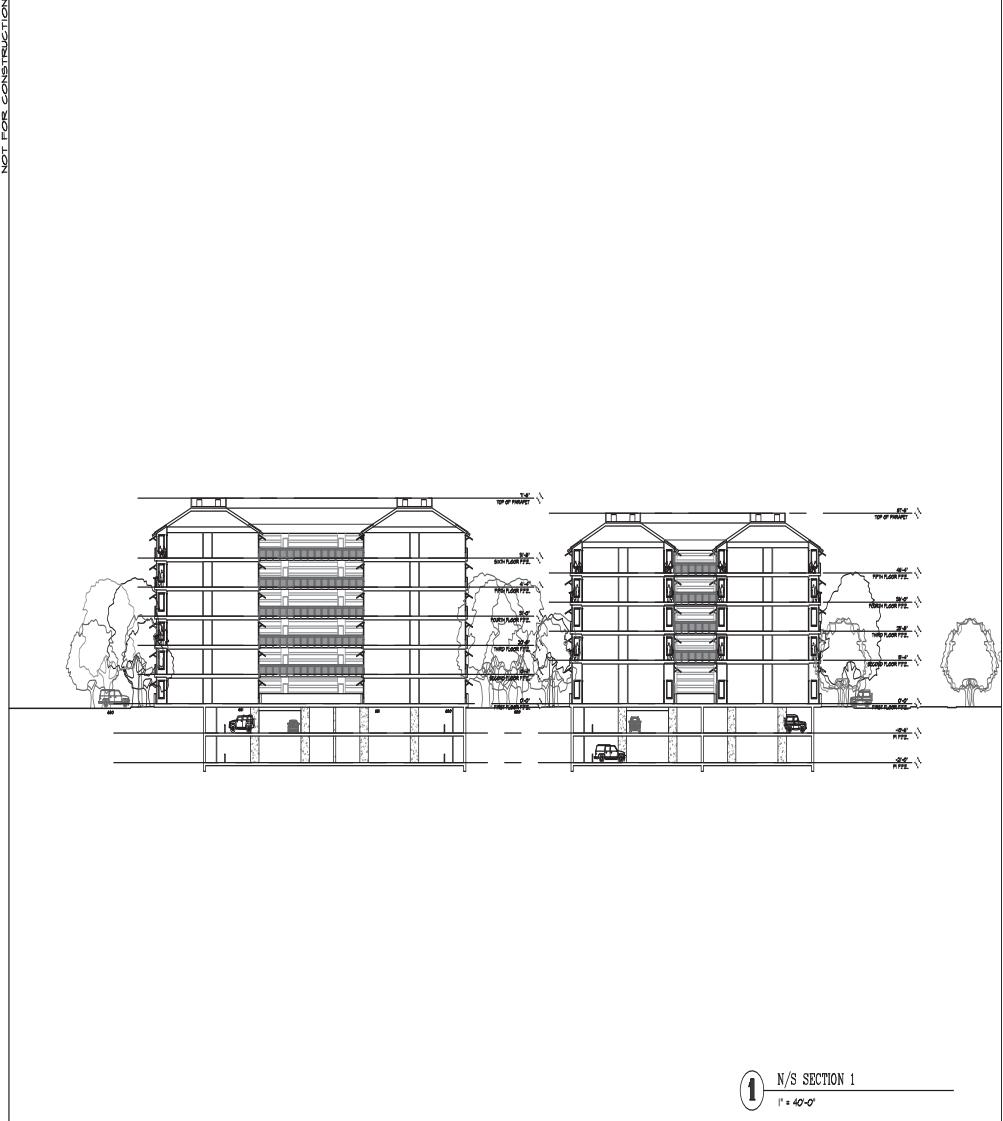








NOT FOR CONSTRUCTION



SINCLAIR BLACK &
ANDREW VERNOTY, AIA

ARCHITECTURE
URBAN DESIGN

200 WEST 4TH
AUSTIN, TEXAS
(512) 474-1833
www.blackvernoty.com

© 2013 Sinauer Associates, Inc.
Andrew Vermaey, AIA

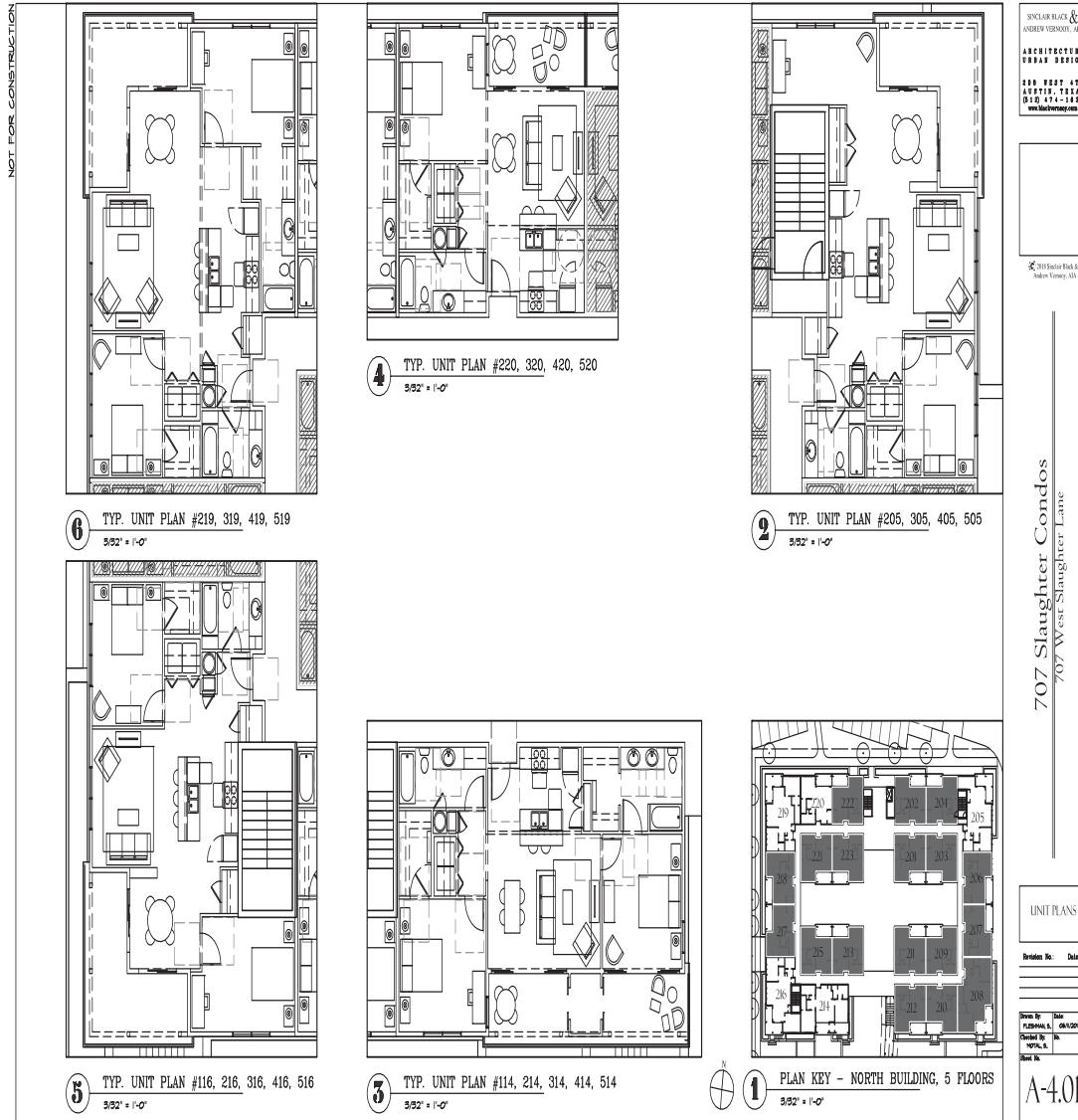
707 Slaughter Condos

SECTIONS

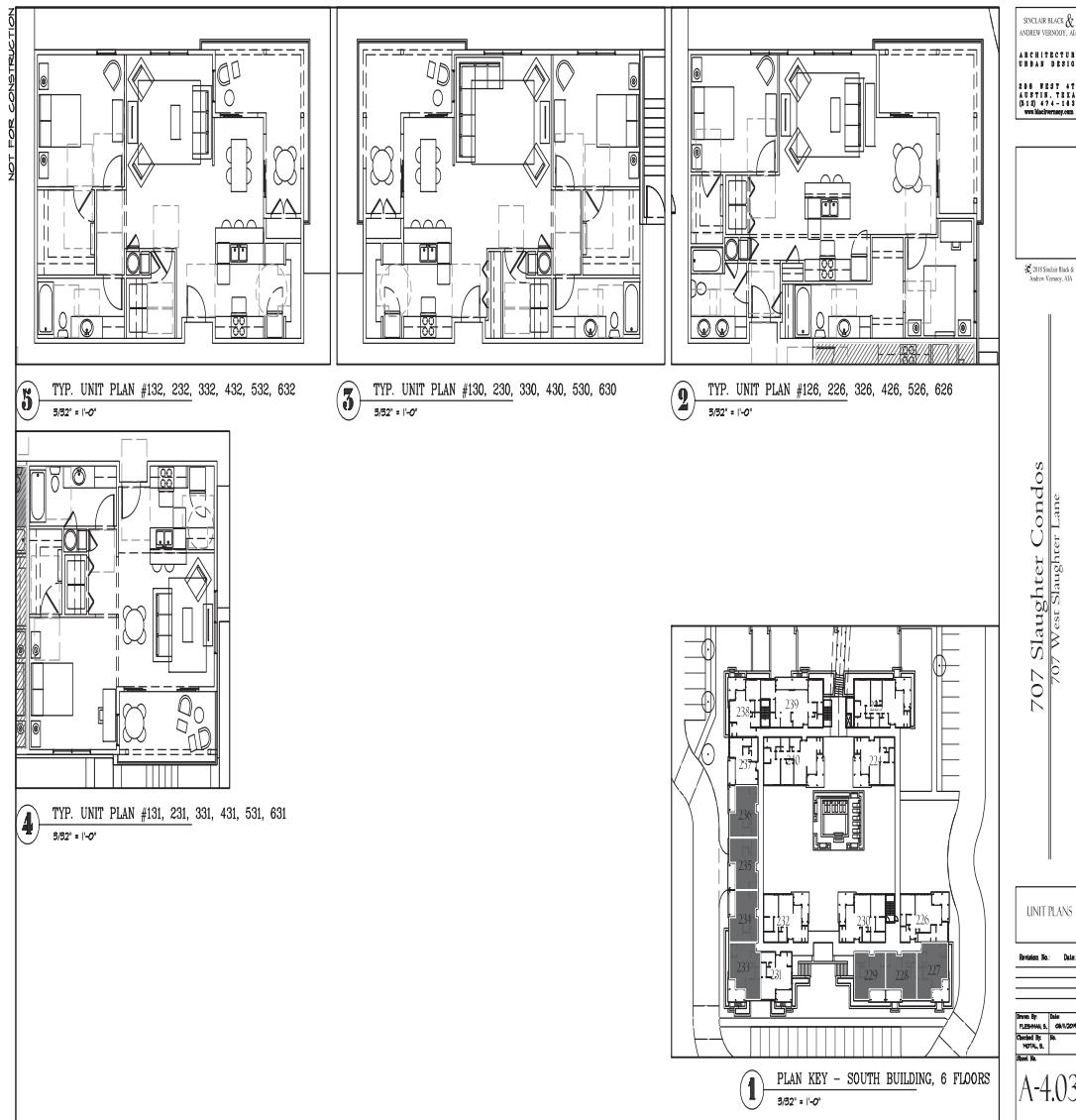
Revision No.: Date:

Drawn By:	Date:
FLESHMAN, S.	08/1/2011
Checked By:	No.
MOTYL, S.	

A-3.01







I-2/81

Aerial View

Water Well



I-2/82



I-2/83



I-2/84



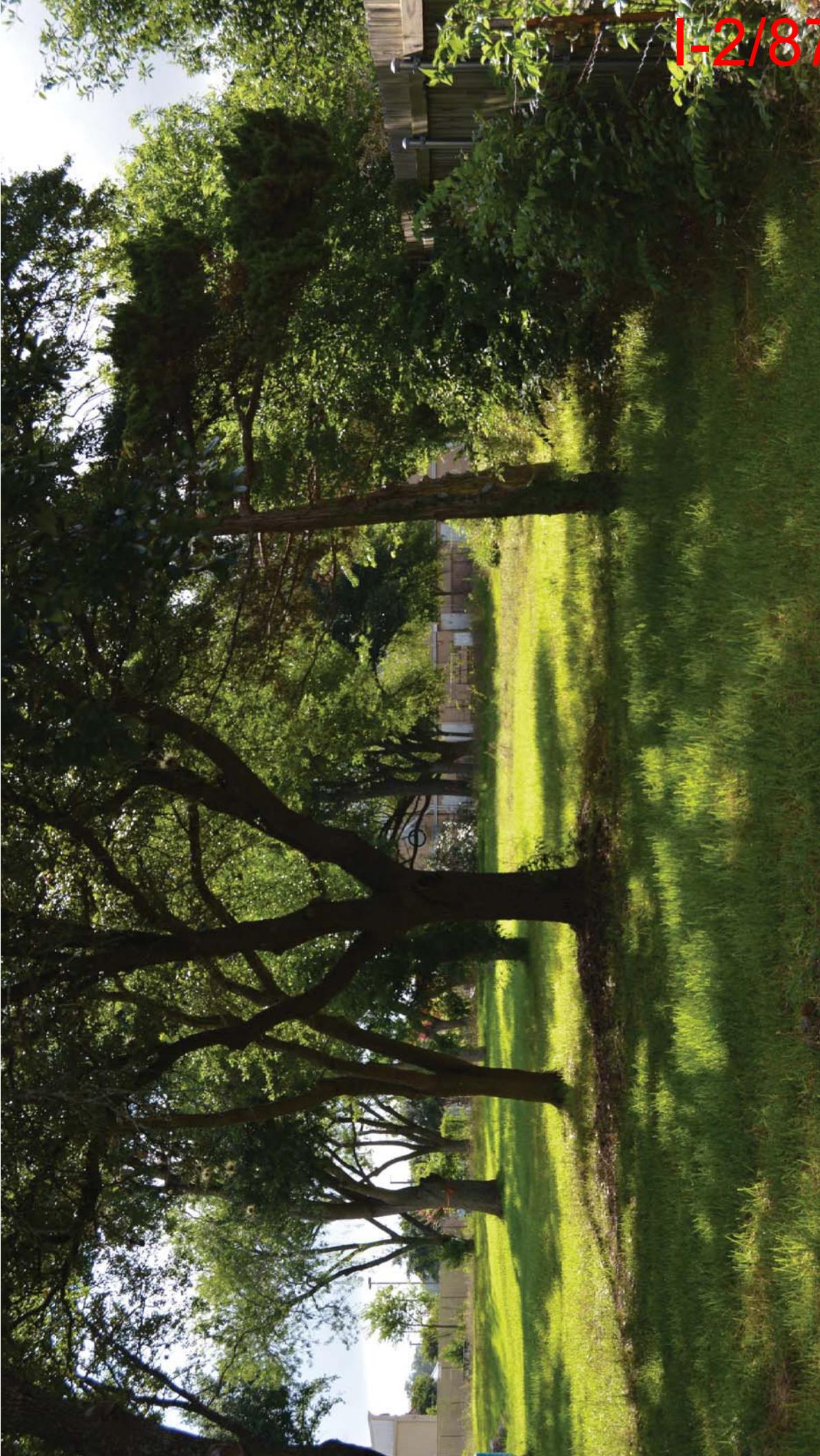
I-2/85

Ground View



I-2/86





I-2/88



I-2/89



I-2/90



I-2/91



I-2/92





Signal Warrant Study

SLAUGHTER LANE DEVELOPMENT

March 2019

This document is released for the purposes of AGENCY REVIEW by City of Austin under the authority of Jacob A. Sessions, P.E #127122 on March 8, 2019. It is not to be used as a FINAL document for construction, bidding, recordation, conveyance, sales, or as the basis for the issuance of a permit. Upon resolution of review comments, this agency review block will be removed, and a sealed FINAL version of this document will be submitted to City of Austin for recordation and permitting.

Prepared by:
Alliance Transportation Group, Inc.
11500 Metric Blvd, Bldg M-1, Ste 150
Austin, TX 78758
Office 512.821.2081
T.B.P.E. Firm Registration No. 812

CONTENTS

Executive Summary	3
Introduction	4
Existing Conditions	5
Signal Warrant Analysis	6
Warrant 1, Eight-Hour Vehicular Volume	6
Warrant 2, Four-Hour Vehicular Volume	8
Warrant 3, Peak Hour.....	10
Warrant 4, Pedestrian Volume.....	12
Warrant 5, School Crossing	14
Warrant 6, Coordinated Signal System	15
Warrant 7, Crash Experience.....	16
Warrant 8, Roadway Network.....	16
Warrant 9, Intersection Near a Grade Crossing	17
Analysis of Warrants: Existing Conditions (2019)	21
Analysis of Future Conditions	25
Background Traffic	25
Site Traffic.....	25
Trip Distribution	26
Site Access	26
Analysis of Warrants: Future Conditions (2021)	28
Conclusions	30
Certification Statement	31
References	32
APPENDIX A Traffic Counts	A

LIST OF TABLES

Table 1: Summary of Signal Warrant Analysis Findings	3
Table 2: Approach Counts (2019).....	21
Table 3: Collision Data 2016-2018.....	24
Table 4: Unadjusted ITE Trip Generation	25
Table 5: Pass-By Trips	26
Table 6: Adjusted ITE Trip Generation.....	26
Table 7: Projected Approach Counts (2021)	28
Table 9: Summary of Signal Warrant Analysis Findings	30

LIST OF FIGURES

Figure 1: Study Area Existing Conditions (2019)	5
Figure 2: TMUTCD Table 4C-1. Warrant 1, Eight-Hour Vehicular Volume	8
Figure 3: TMUTCD Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume.....	9
Figure 4: TMUTCD Figure 4C-1. Warrant 2, Four-Hour Vehicular Volume (70% Factor)	9
Figure 5: TMUTCD Figure 4C-3. Warrant 3, Peak Hour	11
Figure 6: TMUTCD Figure 4C-3. Warrant 3, Peak Hour (70% Factor).....	11
Figure 7: TMUTCD Figure 4C-5. Warrant 4, Pedestrian Four-Hour Volume.....	13
Figure 8: TMUTCD Figure 4C-6. Warrant 4, Pedestrian Four-Hour Volume (70% Factor)	13
Figure 9: TMUTCD Figure 4C-7. Warrant 4, Pedestrian Peak Hour	14
Figure 10: TMUTCD Figure 4C-8. Warrant 4, Pedestrian Peak Hour (70% Factor).....	14
Figure 11: TMUTCD Figure 4C-9. Warrant 9, Intersection Near a Grade Crossing (One Approach Lane at the Track Crossing)	18
Figure 12: TMUTCD Figure 4C-10. Warrant 9, Intersection Near a Grade Crossing (Two or More Approach Lanes at the Track Crossing)	19
Figure 13: TMUTCD Table 4C-2. Warrant 9, Adjustment Factor for Daily Frequency of Rail Traffic.....	19
Figure 14: TMUTCD Table 4C-3. Warrant 9, Adjustment Factor for Percentage of High-Occupancy Buses.....	19
Figure 15: TMUTCD Table 4C-4. Warrant 9, Adjustment Factor for Percentage of Tractor-Trailer Trucks	20
Figure 16: TMUTCD Table 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor).....	22
Figure 17: TMUTCD Table 4C-6. Warrant 4, Pedestrian Four-Hour (70% Factor)	23
Figure 18: TMUTCD Table 4C-8. Warrant 4, Pedestrian Peak Hour (70% Factor).....	24
Figure 19: Study Area Future Conditions (2021)	27
Figure 20: TMUTCD Table 4C-2. Warrant 2, Four-Hour Vehicular Volume (70% Factor).....	29