

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SECTION 404 PRE-CONSTRUCTION NOTIFICATION FORM FOR STATE PROJECTS

DATE:

9/21/18

Project No.:	J2-8992(004)SS	J/P:	28992(04)	Facility:	I-40 and Douglas Boulevard	County:	Oklahoma
Description:	I-40 and Douglas Boulevard Bridge Replacement & Interchange Reconstruction 6.5 miles East of I-35						
Let Date:	FFY 2025	Division:	Division IV	Programmed Construction Project Cost:	\$37,785,868		

Sta or Str. No.	Location			Waterbody	Type	Description		Calculations			
	Latitude	Longitude	Legal			Critical Resource Water?	Existing Structure/Condition	New Structure	Area acre	Cubic Yards of Fill*	Linear Feet of Impacts
I-40 Sta. 320+00	35.4342° N	97.3774 W	Sec. 14, T11N, R2W	Tributary of Soldier Creek Not a CRW	BP	10'x6' RCB	N/A	0.04 Ac.	N/A	31'	(1) OHWM=1227.68'
I-40 Sta. 354+00	35.4305 N	97.3669 W	Sec. 13, T11N, R2W	Tributary of Soldier Creek Not a CRW	CC, BP	(2) 8'x6' RCB	N/A	0.07 Ac.	N/A	312'	(1) Headwater OHWM=1225.24' Tailwater West OHWM=1223.00' East OHWM=1221.00'
I-40 Sta. 368+50	35.4289 N	97.3625 W	Sec. 13, T11N, R2W	Soldier Creek Not a CRW	CC, BP	(3) 10'x7' RCB	N/A	0.22 Ac.	500 CY	395'	(1) OHWM=1222.03'

AVOIDANCE AND MINIMIZATION:

Every effort has been made in the design of the project to avoid or minimize the adverse impacts to the channels of concern. In order to minimize the impacts to existing streams, the existing RCB structures listed herein will not be replaced. This action avoids direct impacts from the installation of new RCBs as well as associated impacts from channel work. In order to minimize the impact to the parallel stream ending near Sta. 354+00, steeper slopes were attainable with the use of concrete barrier. All drainage flowlines are to be constructed at or near the existing flow lines of all channels affected.

Types: BP--Bank Protection, CC--Channel Change, Chan--Channel Work, RCB--Reinforced Concrete Box, SB--Span Bridge,** Wet--Wetlands, Misc--Miscellaneous

*Only necessary if impacts are over 0.1 acres

**Wetland Information will be added from the delineation report by ODOT

(1) Total Project Length = 1.46 mi.

FHWA Approved Clearance type:

CE: X FONSI/EA: _____ EIS: _____ Date: _____ Pending: X None: _____

Applicant:

Name: Oklahoma Department of Transportation Phone No: (405) 522-0734

Address:

200 Northeast 21st Street, Oklahoma City, OK 73105-3204

Application Prepared By:

Name: Susan Davis, P.E. - Triad Design Group Phone No: (405) 752-1122

Processing Agent:

Oklahoma Department of Transportation

FOR SURVEY CONTROL DATA,
SEE SURVEY DATA SHEETS

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. J2-8992(004)SS
GRADE, DRAIN, BRIDGE & SURFACE
I-40 & DOUGLAS BLVD. INTERCHANGE
OKLAHOMA COUNTY

CONTROL SECTION NO. 40-55-68
STATE JOB NO. 28992(04)
BRIDGE B LOCATION NO. 5568-0634X EXIST. NBI NO. 15573 NEW NBI NO. xxxx

SEE SHEET 2 FOR INDEX OF SHEETS AND STANDARDS

DESIGN DATA I-40		DESIGN DATA DOUGLAS BLVD.	
ADT 20 17	= 55,595	ADT 20 17	= 29,345
ADT 20 45	= 84,580	ADT 20 45	= 49,540
DHV (I-WAY)	= 5,244	DHV (I-WAY)	= 3,161
K (DHV/ADT)	= 10%	K (DHV/ADT)	= 11%
D	= 62%	D	= 58%
T (% DHV)	= 13%	T (% DHV)	= 5%
T (% ADT)	= 15%	T (% ADT)	= 3%
T3 (% ADT)	= 12%	T3 (% ADT)	= 2%
V	= 60 MPH	V	= 45 MPH
20YR FLEX. ESALS	= 58.3 M	20YR FLEX. ESALS	= 6.9 M

SCALES

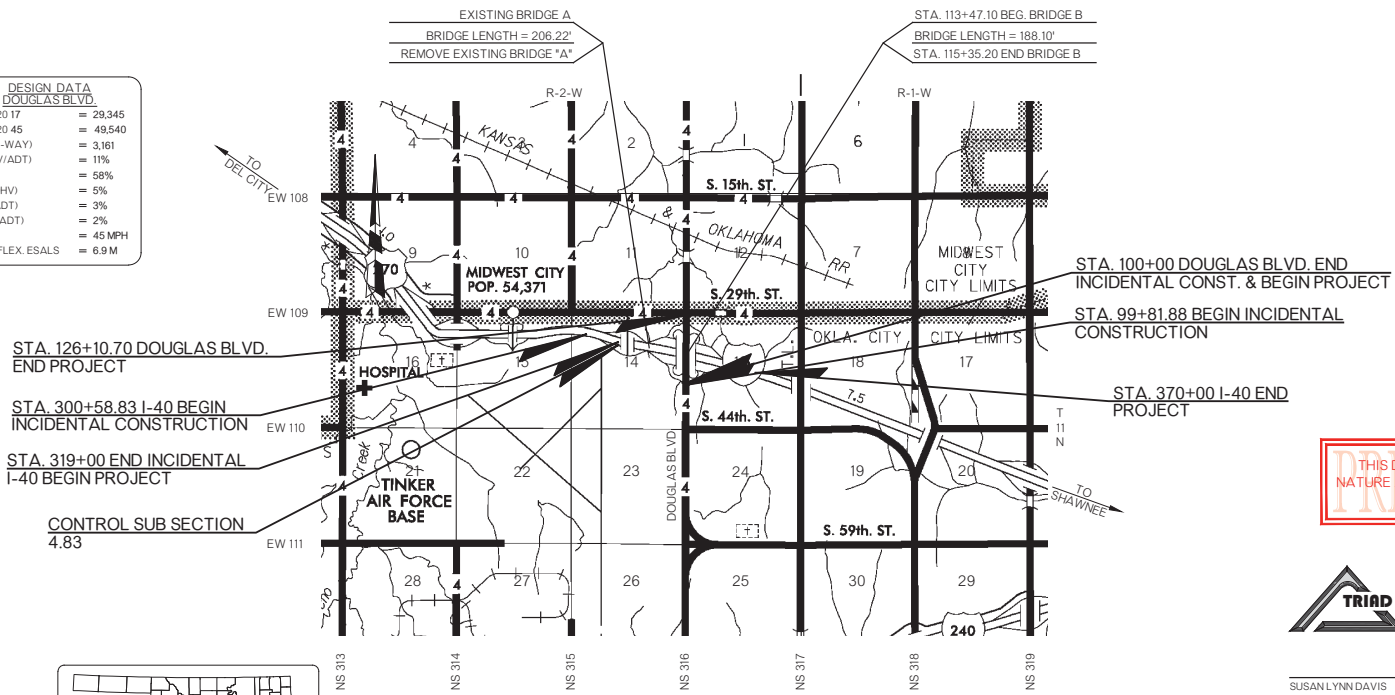
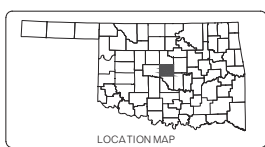
PLAN 1" = 30'

PROFILE HOR. 1" = 30'

VER. 1" = 3'

LAYOUT MAP 1" = 3,000'

- CONVENTIONAL SYMBOLS
- PROPOSED ROAD
 - RAILROADS
 - RANGE & TOWNSHIP
 - SECTION LINES
 - QUARTER SECTION LINES
 - FENCES
 - GROUND LINE
 - EXISTING ROADS
 - BASE LINE
 - GRADE LINES
 - TELEPHONE & TELEGRAPH
 - POWER LINES
 - BUILDINGS
 - OIL WELLS
 - DRAINAGE STRUCTURES - IN PLACE
 - DRAINAGE STRUCTURES - NEW
 - RIGHT-OF-WAY LINES - EXISTING
 - RIGHT-OF-WAY LINES - NEW
 - CONTROLLED ACCESS
 - RIGHT-OF-WAY FENCE



PRELIMINARY
THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

TRIAD DESIGN GROUP
Architecture • Engineering

3020 N.W. 149TH STREET
OKLAHOMA CITY, OK 73134
PH: (405) 752-1122
FAX: (405) 752-8655
CA# 1759, RENEWAL 06-30-2019

SUSAN LYNN DAVIS
REGISTERED PROFESSIONAL ENGINEER NO. 16026 DATE

NOTE: PROJECT LENGTH BASED ON I-40 STATIONING.

ROADWAY LENGTH	7,710.70 FT.	1.460 MI.
BRIDGE LENGTH	188.10 FT.	0.036 MI.
PROJECT LENGTH		1.460 MI.

EQUATIONS: NONE
EXCEPTION: NONE

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED _____	DATE APPROVED _____
BY _____ CHIEF ENGINEER	BY _____ DIVISION ADMINISTRATOR
SWO: XXXXIX	F.A. PROJECT NO: J2-8992(004)SS
COUNTY: OKLAHOMA COUNTY	HIGHWAY: I-40 SHEET NO: 1

P.E. NO. XXXXX

2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, JANUARY 4, 2010.

NOTE:
ALL BENCHMARKS, PRES. R/W
AND R/W DIMENSIONS SHOWN ARE FROM
THE Q SURVEY I-40.

SEC. 14 T11N R2W

IMPACTED AREA
CHANNEL WORK

THIS DOCUMENT IS PRELIMINARY IN
NATURE AND IS NOT A FINAL, SIGNED AND
SEALED DOCUMENT.

CAUTION -
OHP
LW=1273.20
FIBER OPTIC

CAUTION -
GASLINE

CURVE DATA
CRL I-40 CURVE NO. 140
P.I. STA. 319+40.86
 $\Delta = 019^{\circ}04'48.46''$
 $R = 3830.0600'$
 $D = 60^{\circ}29'45.50''$
 $T = 643.6756'$
 $L = 1275.4324'$
 $Ch = 1269.5472'$
 $e = 53.7119'$
 $g = 3.088'$
 $V = 60$ mi/h

SEC. 14 T11N R2W

I-40 MAINLINE
318+00 TO 327+00

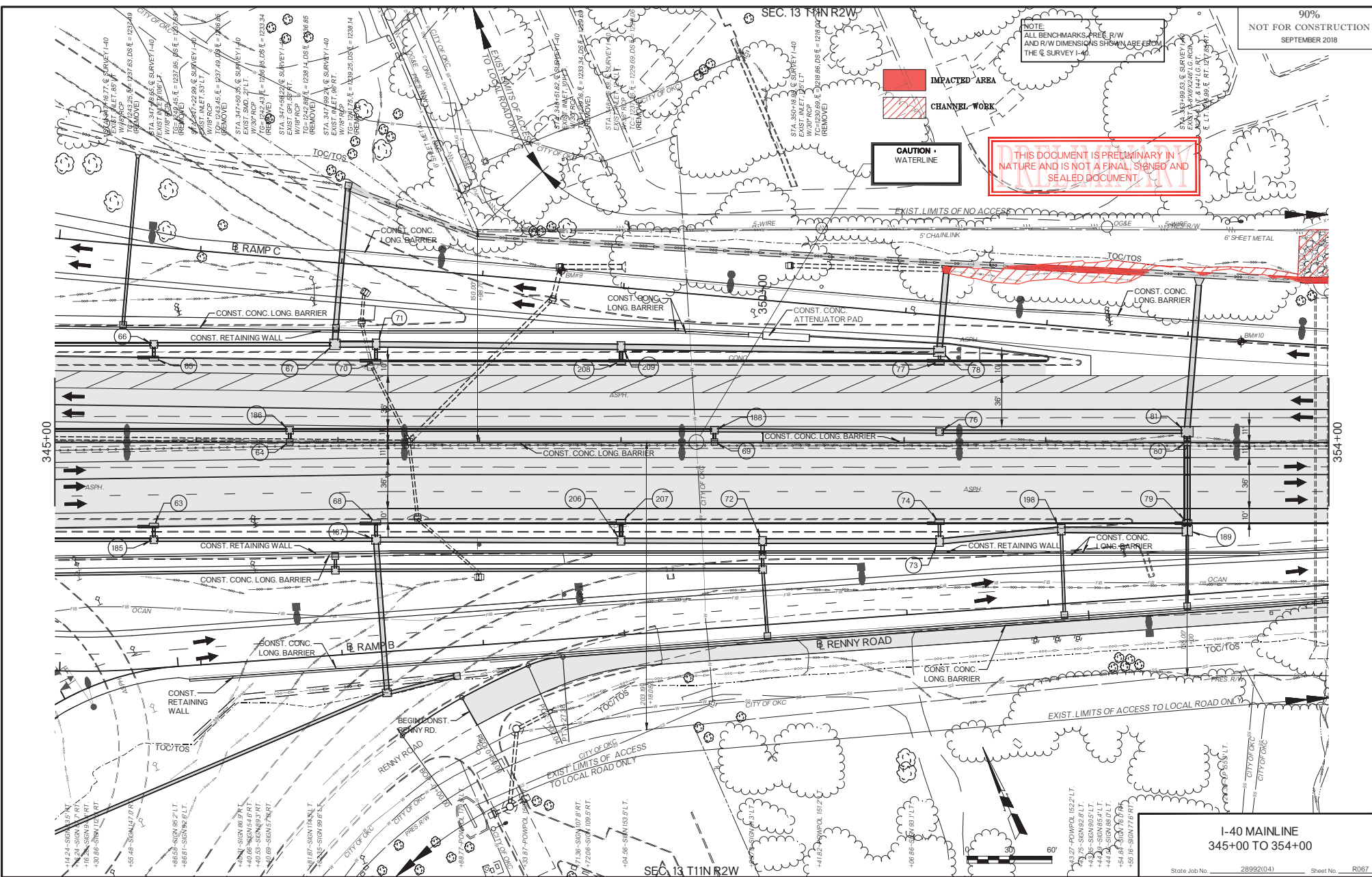
NOTE
ALL BENCHMARKS, FREE R/W
AND R/W DIMENSIONS SHOWN ARE FROM
THE C SURVEY 1-40

IMPACTED AREA

CHANNEL WORK

CAUTION - WATERLINE

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**I-40 MAINLINE
345+00 TO 354+00**

State Job No. 28992(04) Sheet No. R067

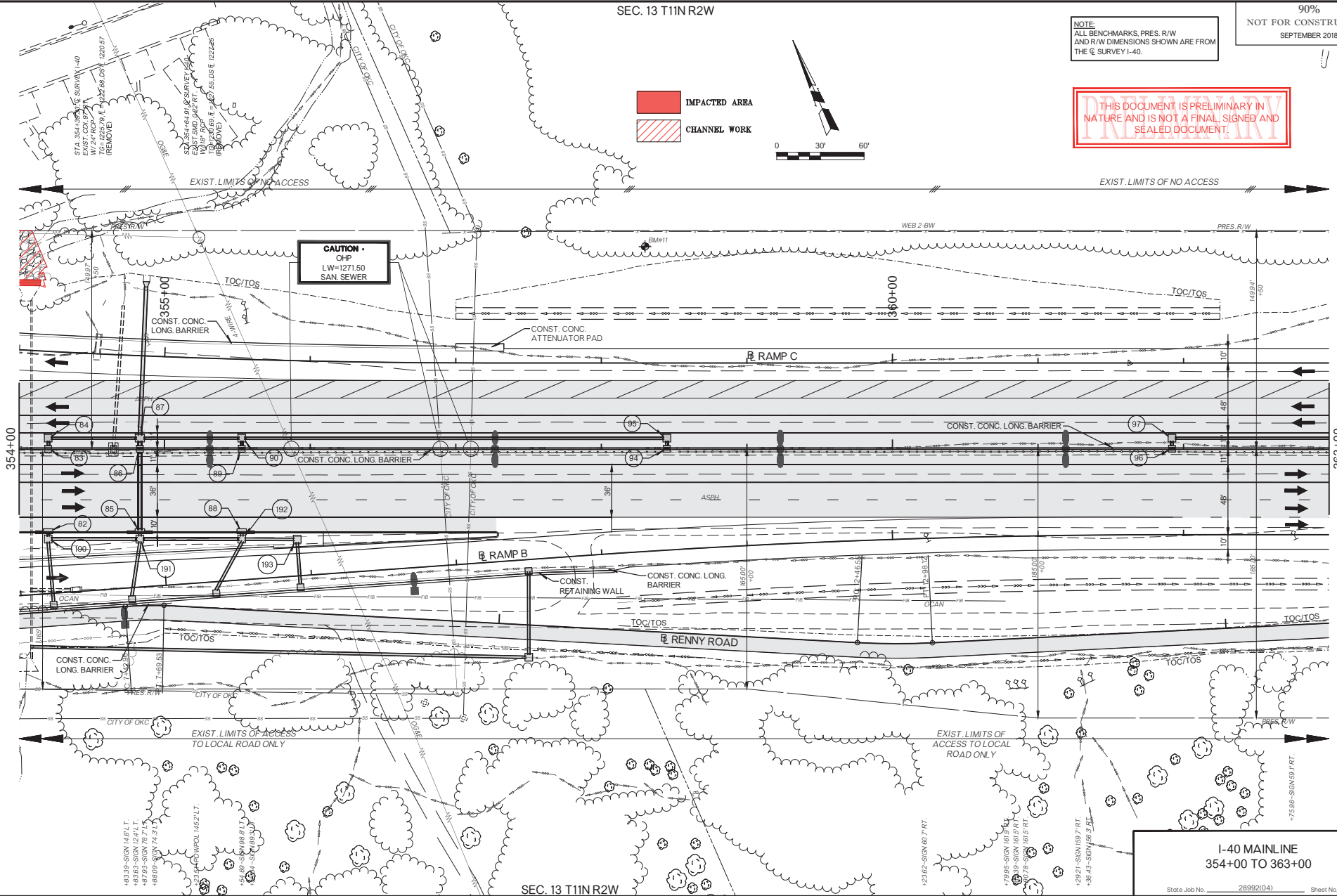
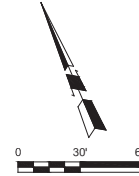
SEC. 13 T11N R2W

90%
NOT FOR CONSTRUCTION
SEPTEMBER 2018

NOTE:
ALL BENCHMARKS, PRES. R/W
AND R/W DIMENSIONS SHOWN ARE FROM
THE C SURVEY I-40.

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IMPACTED AREA
CHANNEL WORK



SEC. 13 T11N R2W

I-40 MAINLINE
354+00 TO 363+00

State Job No. 28992(04) Sheet No. R070

OKLAHOMA COUNTY I-40 & DOUGLAS BLVD. INTERCHANGE

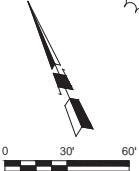
SEC. 13 T11N R2W

90%
NOT FOR CONSTRUCTION
SEPTEMBER 2018

NOTE:
ALL BENCHMARKS, PRES. R/W
AND R/W DIMENSIONS SHOWN ARE FROM
THE Q SURVEY I-40.

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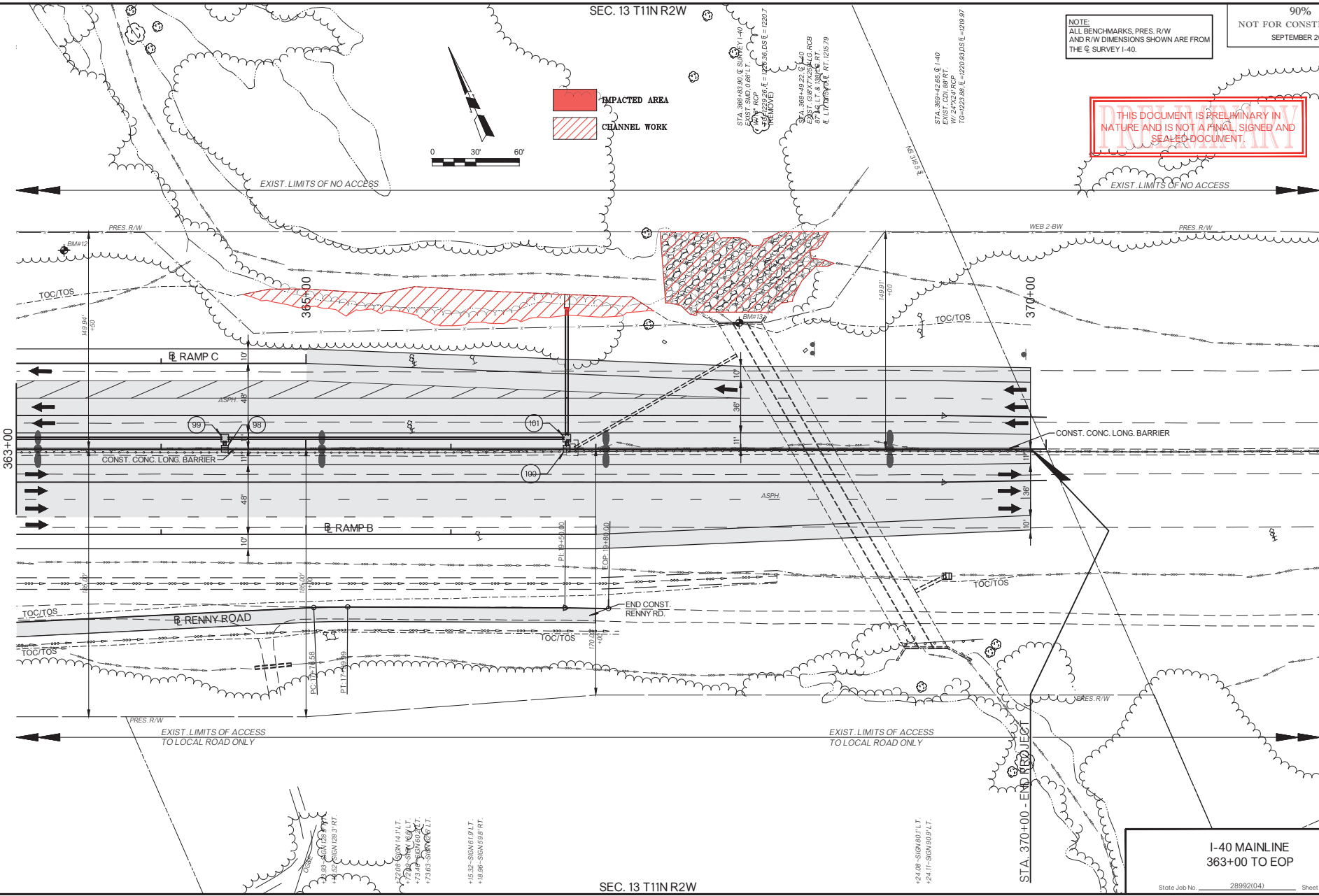
IMPACTED AREA
CHANNEL WORK



STA. 368+43.90, Q SURVY I-40
EAST SMO, 0.891 LT.
C&Y, RCP
SHE MOVIE, E = 126.90, E = 1207.7

STA. 368+49.22, Q I-40
EAST SMO, 0.891 LT. RCB
SHE MOVIE, E = 126.90, E = 1207.7

STA. 369+42.66, Q I-40
EXIST. CON. B&RT.
TO = 1223.88, E = 1220.94, DS E = 1219.97

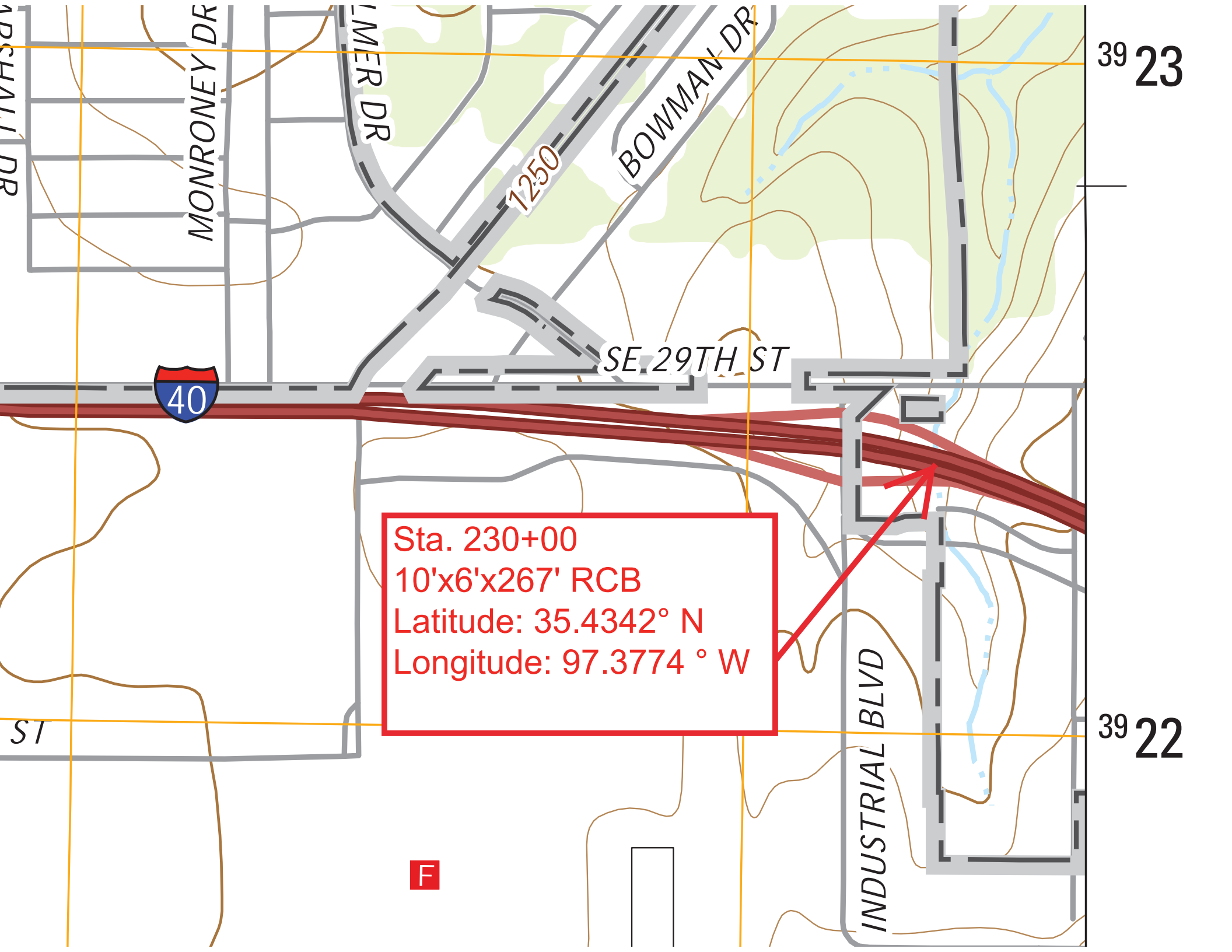


SEC. 13 T11N R2W

I-40 MAINLINE
363+00 TO EOP

State Job No. 28992(04) Sheet No. R073

OKLAHOMA COUNTY
I-40 & DOUGLAS BLVD. INTERCHANGE



Sta. 230+00
10'x6'x267' RCB
Latitude: 35.4342° N
Longitude: 97.3774° W

F

Sta. 354+00
8'x6'x246' RCB
Latitude: 35.4305° N
Longitude: 97.3669° W

Sta. 368+50
10'x7'x258' RCB
Latitude: 35.4289° N
Longitude: 97.3625° W

39 22

270

INDUSTRIAL BLVD

DOUGLAS BLVD

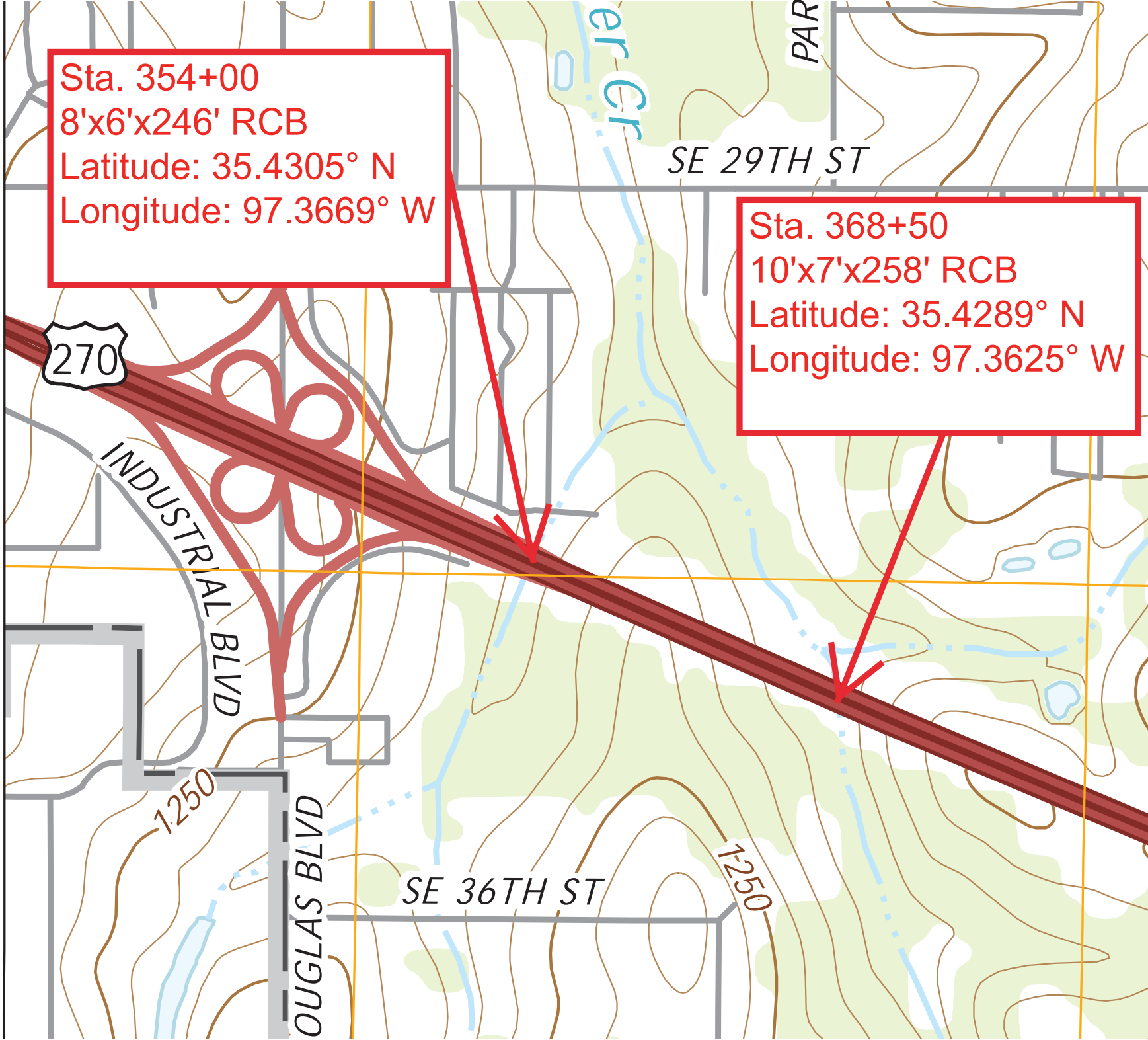
SE 36TH ST

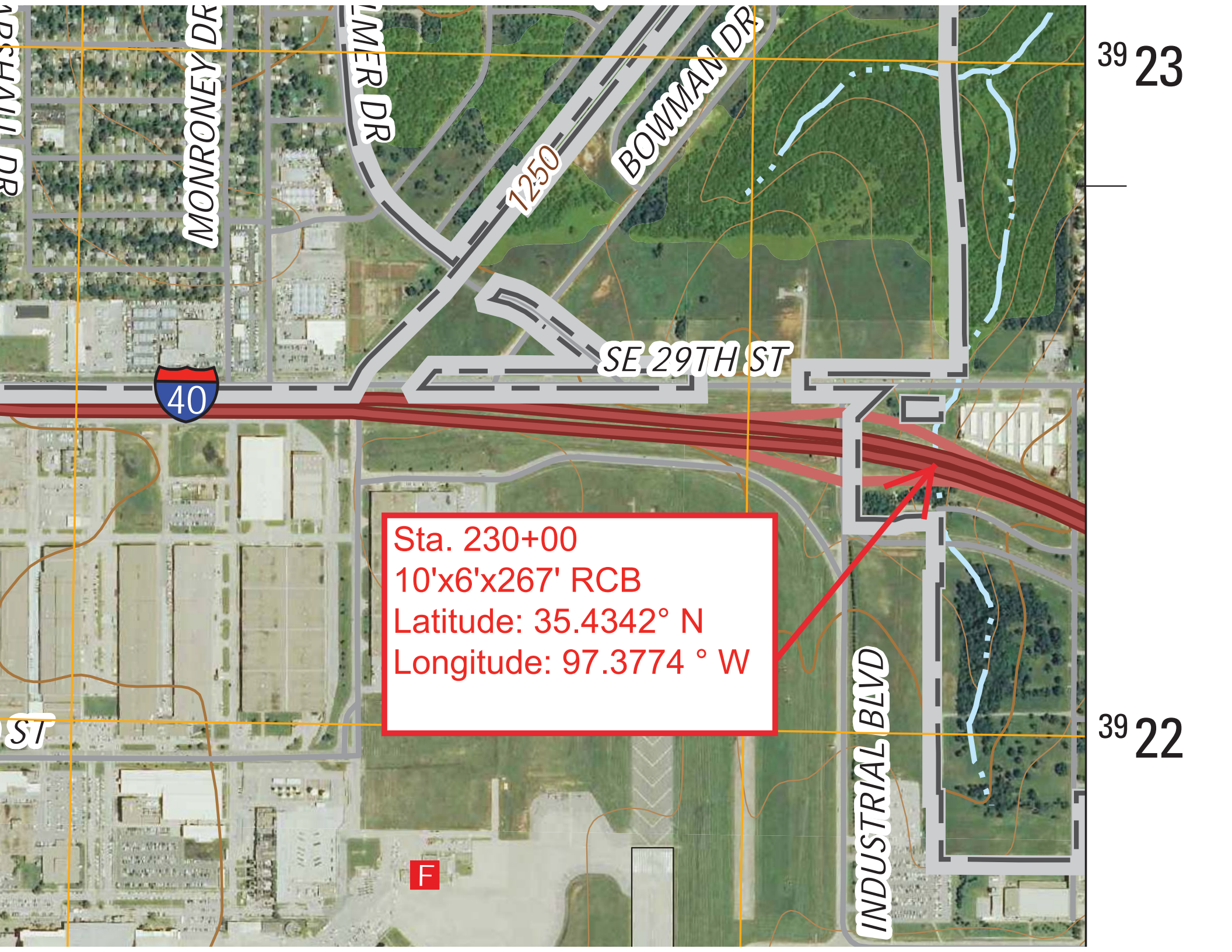
SE 29TH ST

PAR

1250

1250





MONRONEY DR

WIMMER DR

1250

BOWMAN DR

SE 29TH ST

INDUSTRIAL BLVD

ST

39 23

39 22

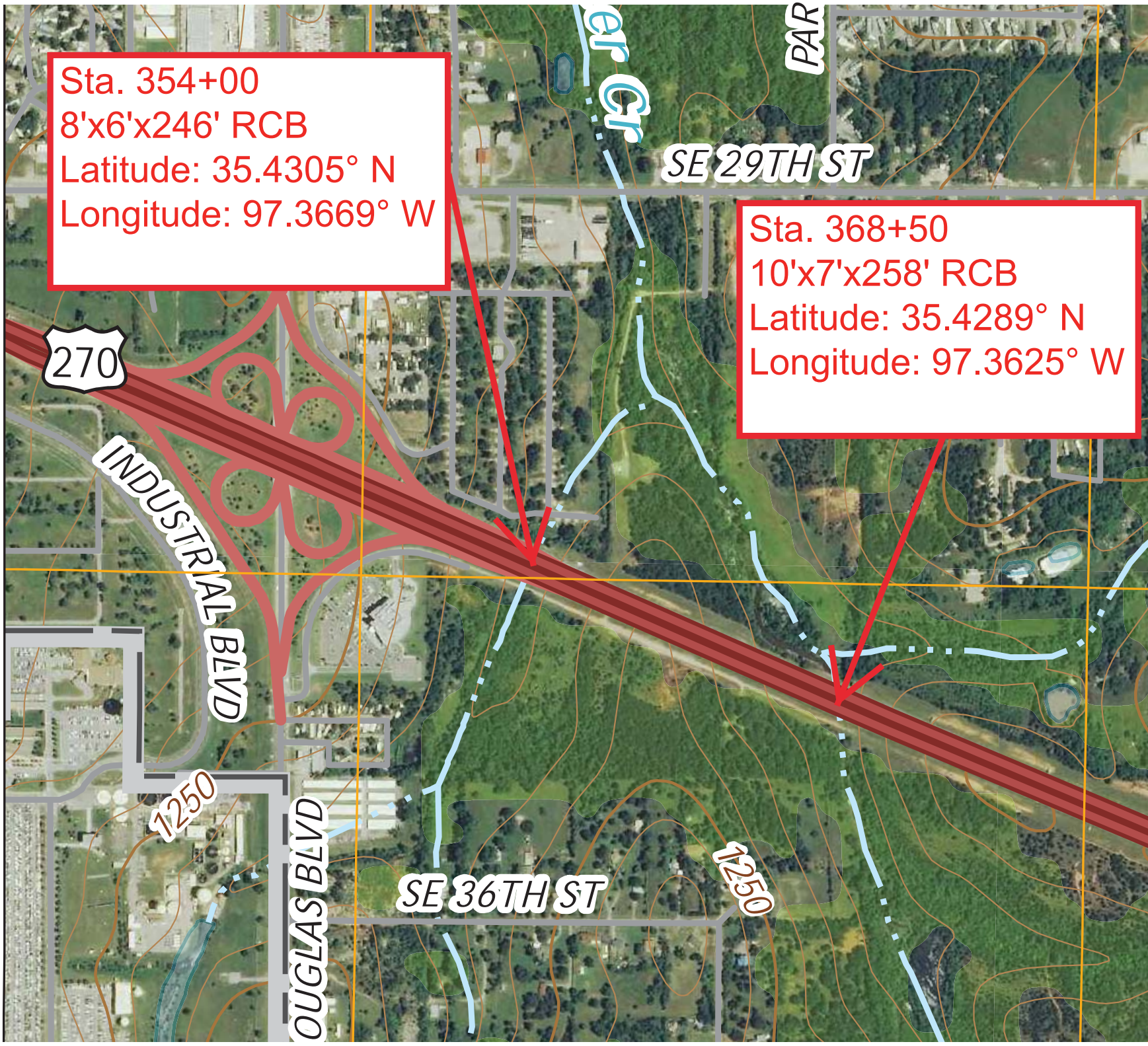
Sta. 230+00
10'x6'x267' RCB
Latitude: 35.4342° N
Longitude: 97.3774 ° W

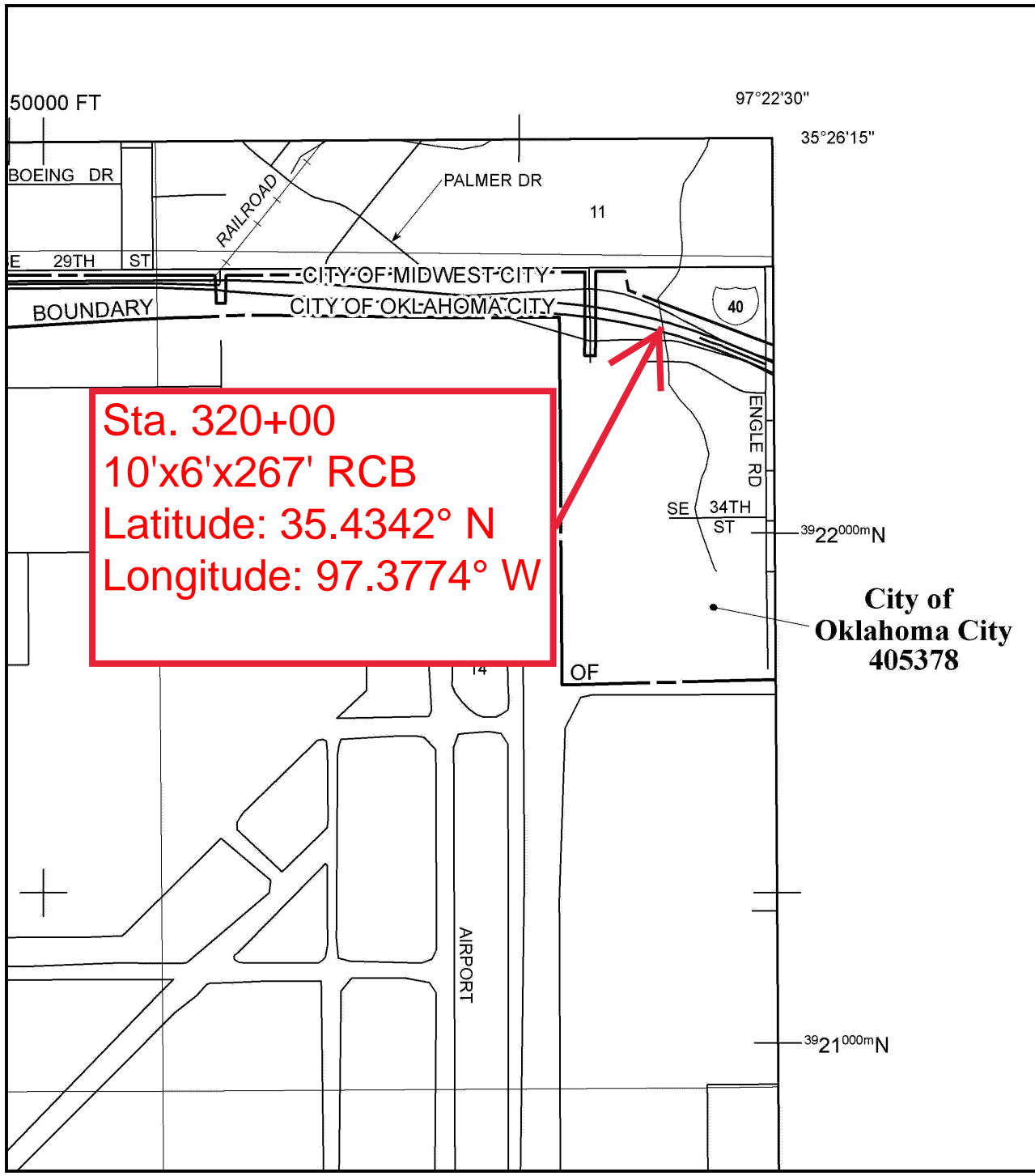
F

Sta. 354+00
8'x6'x246' RCB
Latitude: 35.4305° N
Longitude: 97.3669° W

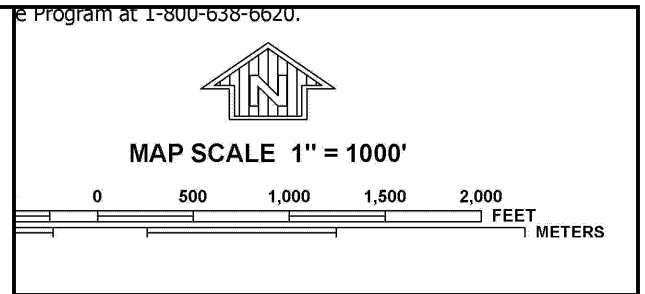
Sta. 368+50
10'x7'x258' RCB
Latitude: 35.4289° N
Longitude: 97.3625° W

39 22





Sta. 320+00
 10'x6'x267' RCB
 Latitude: 35.4342° N
 Longitude: 97.3774° W



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0320H

FIRM
 FLOOD INSURANCE RATE MAP
 OKLAHOMA COUNTY
 OKLAHOMA
 AND INCORPORATED AREAS

PANEL 320 OF 370
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DEL CITY, CITY OF	400233	0320	H
MIDWEST CITY, CITY OF	400405	0320	H
OKLAHOMA CITY, CITY OF	405378	0320	H

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



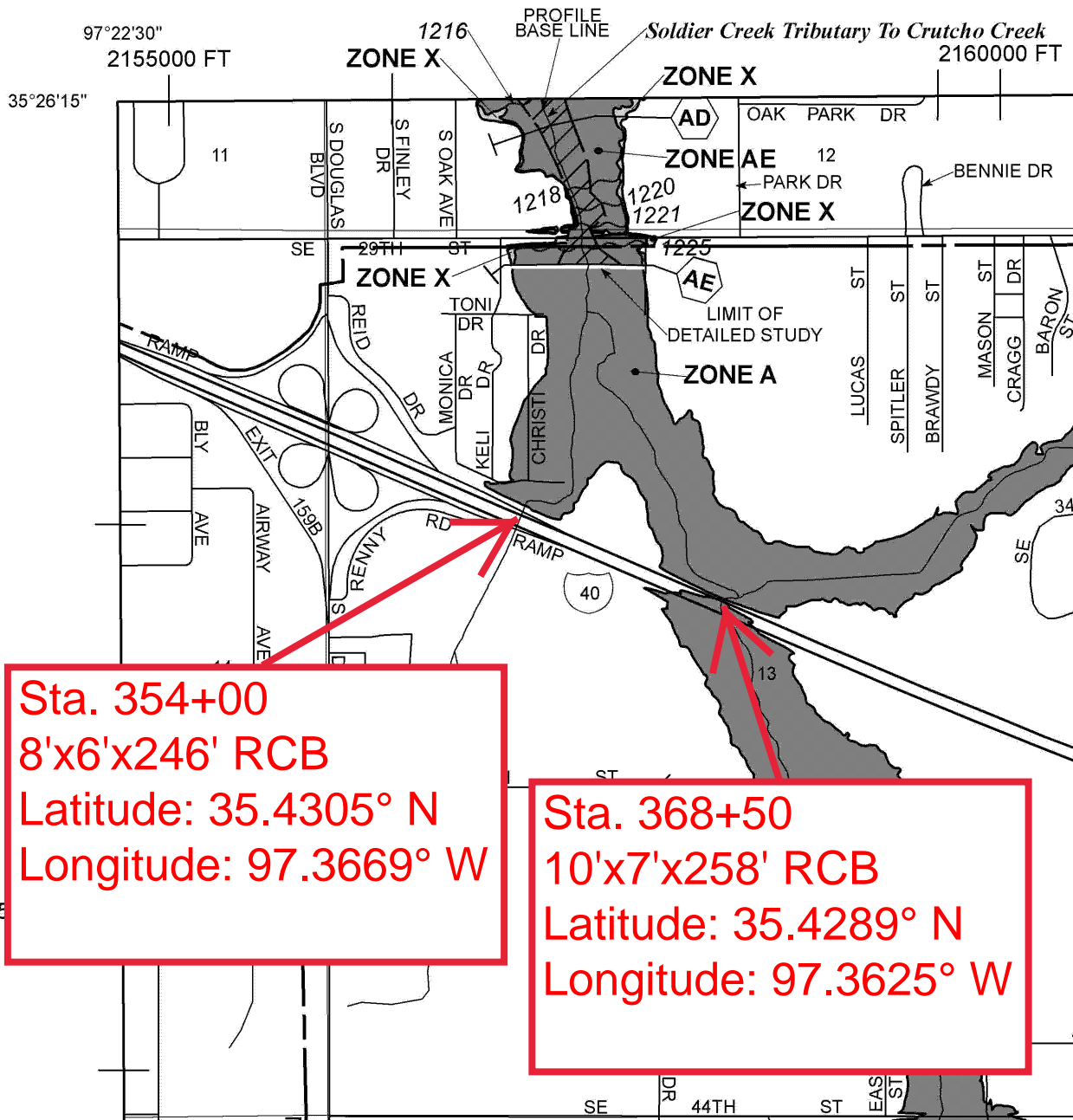
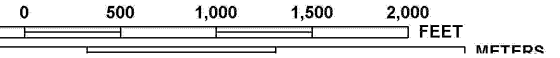
MAP NUMBER
40109C0320H

REVISED DATE
DECEMBER 18, 2009
 Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



MAP SCALE 1" = 1000'



Sta. 354+00
8'x6'x246' RCB
Latitude: 35.4305° N
Longitude: 97.3669° W

Sta. 368+50
10'x7'x258' RCB
Latitude: 35.4289° N
Longitude: 97.3625° W

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0340H

FIRM
FLOOD INSURANCE RATE MAP
OKLAHOMA COUNTY,
OKLAHOMA
AND INCORPORATED AREAS

PANEL 340 OF 370

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
MIDWEST CITY, CITY OF	400405	0340	H
OKLAHOMA CITY, CITY OF	405378	0340	H

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
40109C0340H

REVISED DATE
DECEMBER 18, 2009
Federal Emergency Management Agency