Texas Department of Transportation
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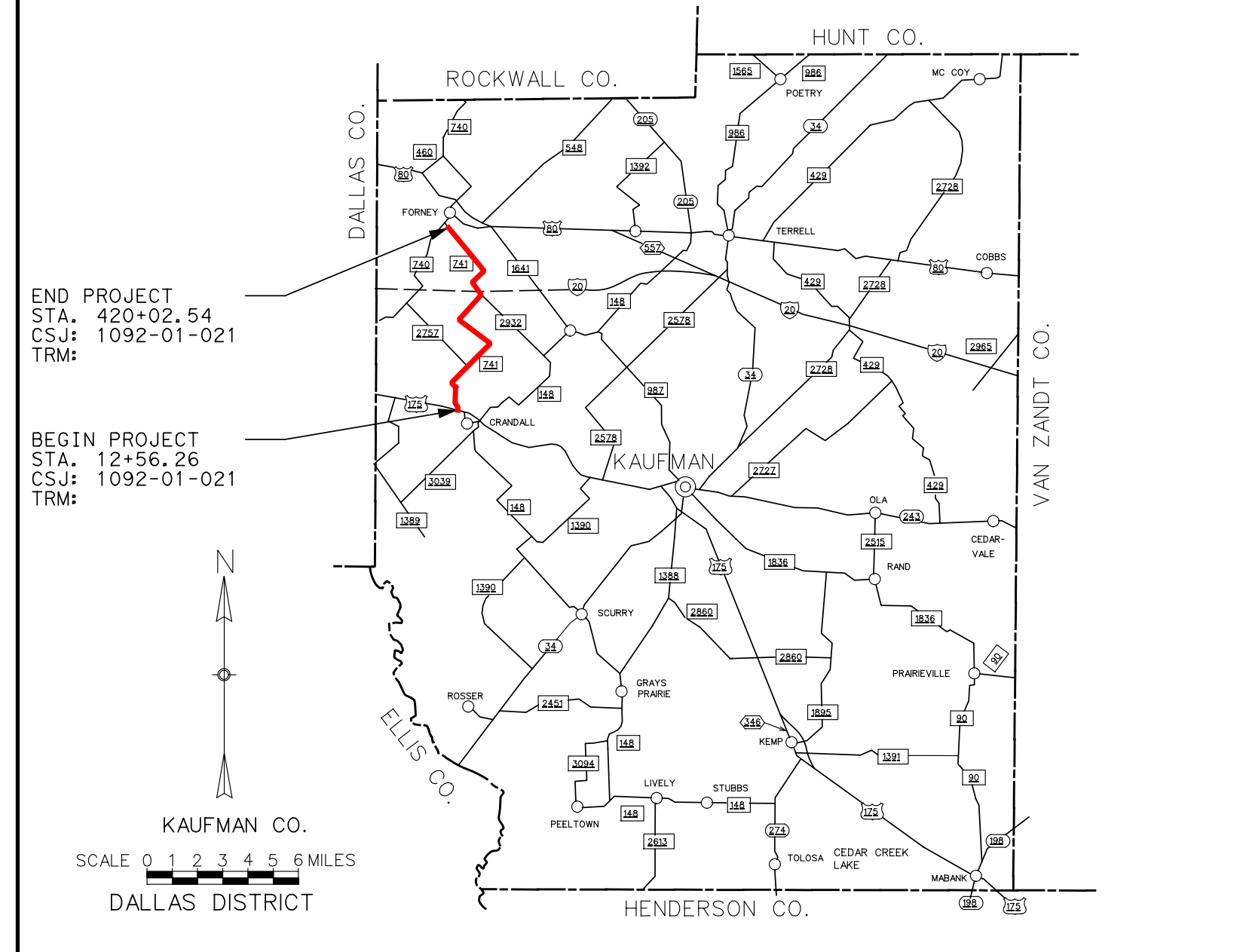
DALLAS DISTRICT
CONCEPTUAL SCHEMATIC

MOHAMED K. BUR, P.E., DISTRICT ENGINEER
KAUFMAN COUNTY
FM 741
PROJECT LIMIT: FROM US 175
TO FM 548
CSJ: 1092-01-021
FM 741 FUNCTIONAL CLASS: URBAN ARTERIAL
DESIGN SPEED: 45 MPH FM 741
30 MPH CROSS STREETS
PROJECT LENGTH: 7.717 MILES
WIDEN 2 LANE ROADWAY TO 4 LANE DIVIDED



LOCATION MAP

30% SCHEMATIC

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NAME	P.E. NO.	DATE
ABENET BEKELE	86055	9/17/20

SEPTEMBER 2020
SCALE: 1"=100'
ROLL 2 OF 7

SHEET INDEX

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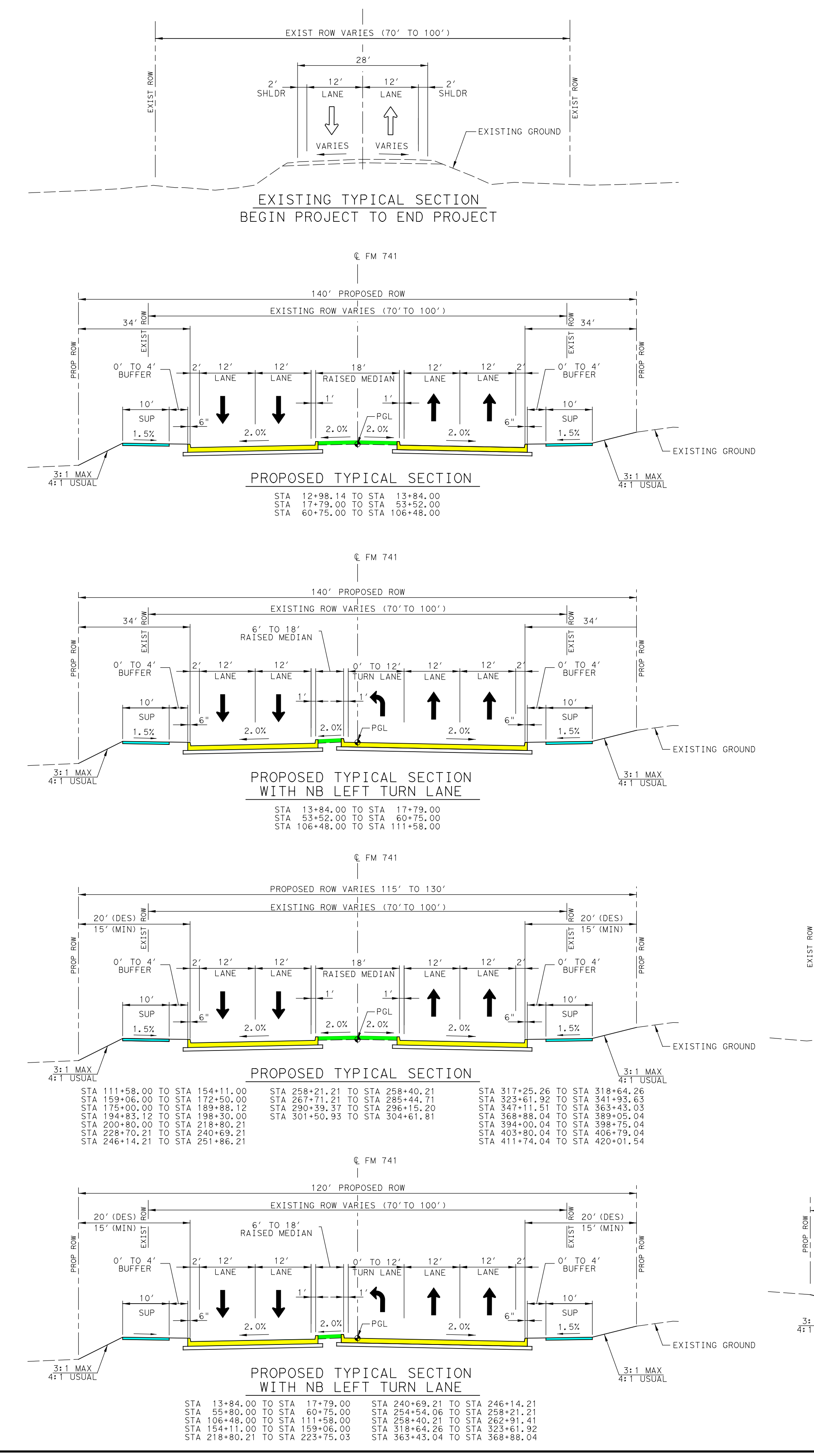
0' 50' 100' 200'
HORIZONTAL
0' 5' 10' 20'
VERTICAL
GRAPHIC SCALES IN FEET

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE FIRM REGISTRATION NO. 2614



EXISTING TYPICAL SECTION
BEGIN PROJECT TO END PROJECT

PROPOSED TYPICAL SECTION
STA 12+98.14 TO STA 13+84.00
STA 17+79.00 TO STA 53+52.00
STA 60+75.00 TO STA 106+48.00

PROPOSED TYPICAL SECTION
WITH NB LEFT TURN LANE
STA 13+84.00 TO STA 17+79.00
STA 53+52.00 TO STA 60+75.00
STA 106+48.00 TO STA 111+58.00

PROPOSED TYPICAL SECTION
STA 111+58.00 TO STA 154+11.00
STA 159+06.00 TO STA 172+50.00
STA 175+00.00 TO STA 189+88.12
STA 194+83.12 TO STA 198+30.00
STA 200+80.00 TO STA 218+80.21
STA 228+70.21 TO STA 240+69.21
STA 246+14.21 TO STA 251+86.21
STA 258+21.21 TO STA 258+40.21
STA 267+71.21 TO STA 285+44.71
STA 290+39.37 TO STA 296+15.20
STA 301+50.93 TO STA 304+61.81
STA 317+25.26 TO STA 318+64.26
STA 323+61.92 TO STA 341+93.63
STA 347+11.51 TO STA 363+43.03
STA 368+88.04 TO STA 389+05.04
STA 394+00.04 TO STA 398+75.04
STA 403+80.04 TO STA 406+79.04
STA 411+74.04 TO STA 420+01.54

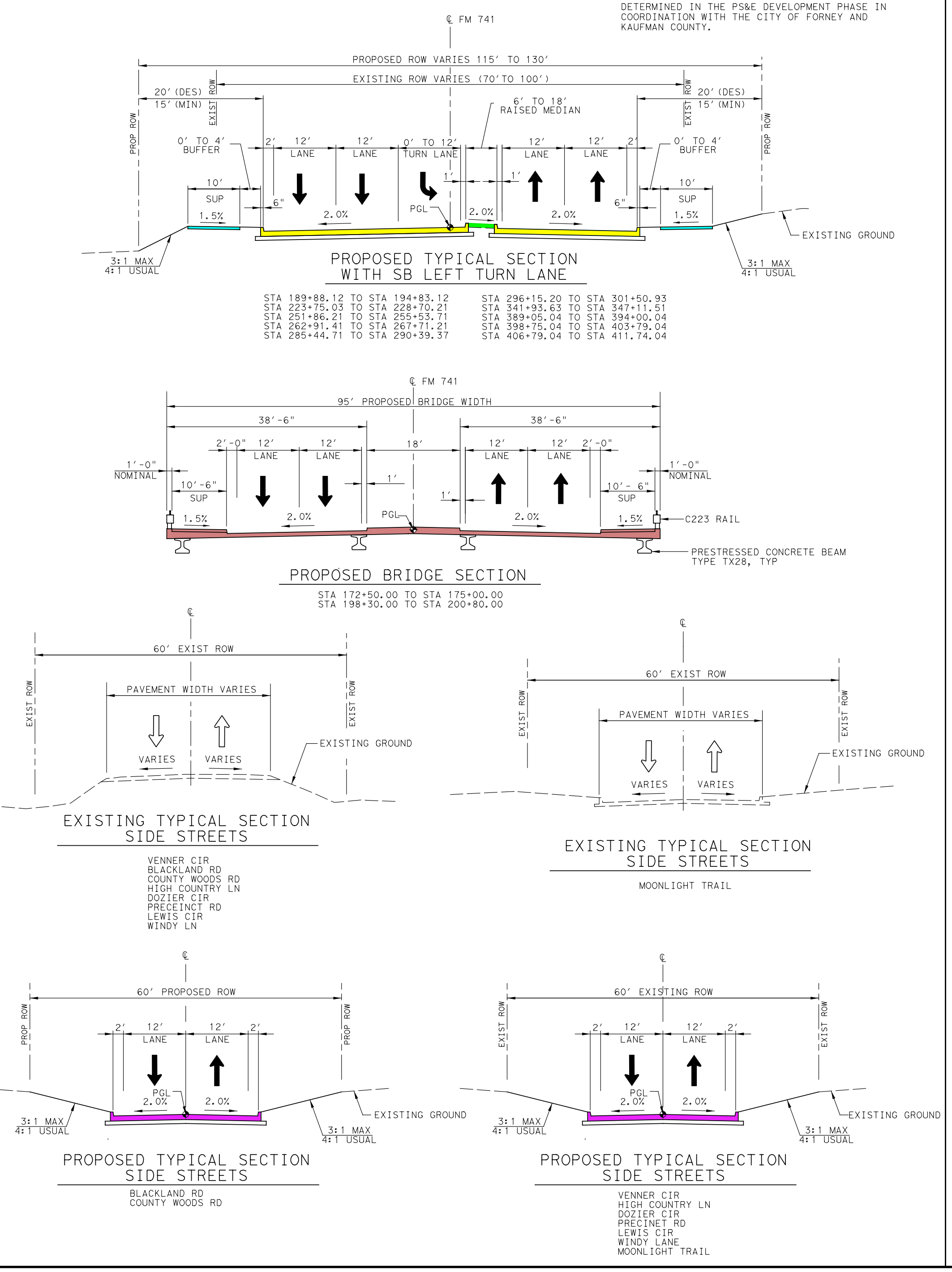
PROPOSED TYPICAL SECTION
WITH NB LEFT TURN LANE
STA 13+84.00 TO STA 17+79.00
STA 55+80.00 TO STA 60+75.00
STA 106+48.00 TO STA 111+58.00
STA 154+11.00 TO STA 159+06.00
STA 218+80.21 TO STA 223+75.03
STA 240+69.21 TO STA 246+14.21
STA 254+54.06 TO STA 258+21.21
STA 258+40.21 TO STA 262+91.41
STA 318+64.26 TO STA 323+61.92
STA 363+43.04 TO STA 368+88.04

LEGEND

→	DIRECTION OF TRAFFIC
— - - — - - —	EXISTING ROW
▨	EXISTING CROSS STREET PAVEMENT TO BE REMOVED
— - - — - - —	PROPOSED ROW
🟨	PROPOSED MAIN LANE PAVEMENT
🟥	PROPOSED BRIDGE
🟪	PROPOSED CROSS STREET PAVEMENT
🟦	PROPOSED SIDEWALK
🟩	PROPOSED MEDIAN
🟧	PROPOSED DRIVEWAY
🟦	DISPLACEMENTS
▨	100 YEAR FLOODPLAIN LIMITS
— - — -	CITY LIMIT LINE

NOTES:

1. THE DESIGN SCHEMATICS WERE BASED ON FIELD SURVEY AND AERIAL SURVEY DATED APRIL 13, 2020.
2. OWNERSHIP INFORMATION SHOWN ON THE SCHEMATICS WERE OBTAINED FROM KAUFMAN COUNTY APPRAISAL DISTRICT (JUNE, 2020).
3. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS WERE BASED ON FEMA FLOOD INSURANCE RATE MAP.
4. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE.
5. PROPOSED CURBS ARE TYPE II UNLESS STATED OTHERWISE.
6. EXISTING SKEWED INTERSECTIONS WERE REALIGNED TO IMPROVE SAFETY AT INTERSECTIONS.
7. ADA RAMPS AND SIDEWALKS ARE DIAGRAMMATIC ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS ARE SHOWN ON THE TYPICAL SECTIONS AND PLAN VIEW.
8. TRAFFIC PROJECTIONS ARE CURRENTLY IN PROGRESS. TRAFFIC STICK-DIAGRAMS WILL BE PROVIDED IN THE 60% SCHEMATIC.
9. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
10. FINAL LOCATIONS OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE CITY OF FORNEY AND KAUFMAN COUNTY.



PROPOSED TYPICAL SECTION
WITH SB LEFT TURN LANE
STA 189+88.12 TO STA 194+83.12
STA 223+75.03 TO STA 228+70.21
STA 251+86.21 TO STA 255+53.71
STA 262+91.41 TO STA 267+71.21
STA 285+44.71 TO STA 290+39.37
STA 296+15.20 TO STA 301+50.93
STA 341+93.63 TO STA 347+11.51
STA 389+05.04 TO STA 394+00.04
STA 398+75.04 TO STA 403+79.04
STA 406+79.04 TO STA 411.74.04

PROPOSED BRIDGE SECTION
STA 172+50.00 TO STA 175+00.00
STA 198+30.00 TO STA 200+80.00

EXISTING TYPICAL SECTION
SIDE STREETS
VENNER CIR
BLACKLAND RD
COUNTY WOODS RD
HIGH COUNTRY LN
DOZIER CIR
PRECEINCT RD
LEWIS CIR
WINDY LN

EXISTING TYPICAL SECTION
SIDE STREETS
MOONLIGHT TRAIL

PROPOSED TYPICAL SECTION
SIDE STREETS
BLACKLAND RD
COUNTY WOODS RD

PROPOSED TYPICAL SECTION
SIDE STREETS
VENNER CIR
HIGH COUNTRY LN
DOZIER CIR
PRECINET RD
LEWIS CIR
WINDY LANE
MOONLIGHT TRAIL

0' 50' 100' 200'
SCALE: 1"=100'

CL FM 741 ALIGNMENT DATA

CURVE NO.	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
FM7415	72+16.01	6,927,145.47	2,594,425.45	46° 02' 56.70" (RT)	1,145.92'	4° 59' 59.93"	486.99'	920.99'	N 21° 48' 46.29" E	896.40'	67+29.01	76+50.00	N 1° 12' 42.06" W	N 44° 50' 14.64" E

CL BLACKLAND ALIGNMENT DATA

CURVE NO.	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
BLAND1	10+94.51	6,929,900.63	2,597,276.58	23° 38' 42.22" (LT)	273.00'	20° 59' 14.87"	57.14'	112.66'	S 56° 05' 09.09" E	111.87'	10+37.36	11+50.03	S 44° 15' 47.98" E	S 67° 54' 30.20" E
BLAND2	12+63.77	6,929,836.36	2,597,434.92	20° 00' 00.00" (RT)	273.00'	20° 59' 14.87"	48.14'	95.30'	S 57° 54' 30.20" E	94.81'	12+15.63	13+10.92	S 67° 54' 30.20" E	N 47° 54' 30.20" E

FINAL LOCATIONS OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE CITY OF FORNEY AND KAUFMAN COUNTY

470
460
450
440
430
420
410
400
MATCH LINE STA 65+00 EL=435.65
MATCH LINE STA 74+00 EL=438.80
PROPOSED PGL AT ℄ FM 741
EXISTING GROUND AT ℄ FM 741
FM 741 PROFILE
PROPOSED
EXISTING
65+00
70+00
75+00
MATCH LINE STA 130+00 EL=442.05

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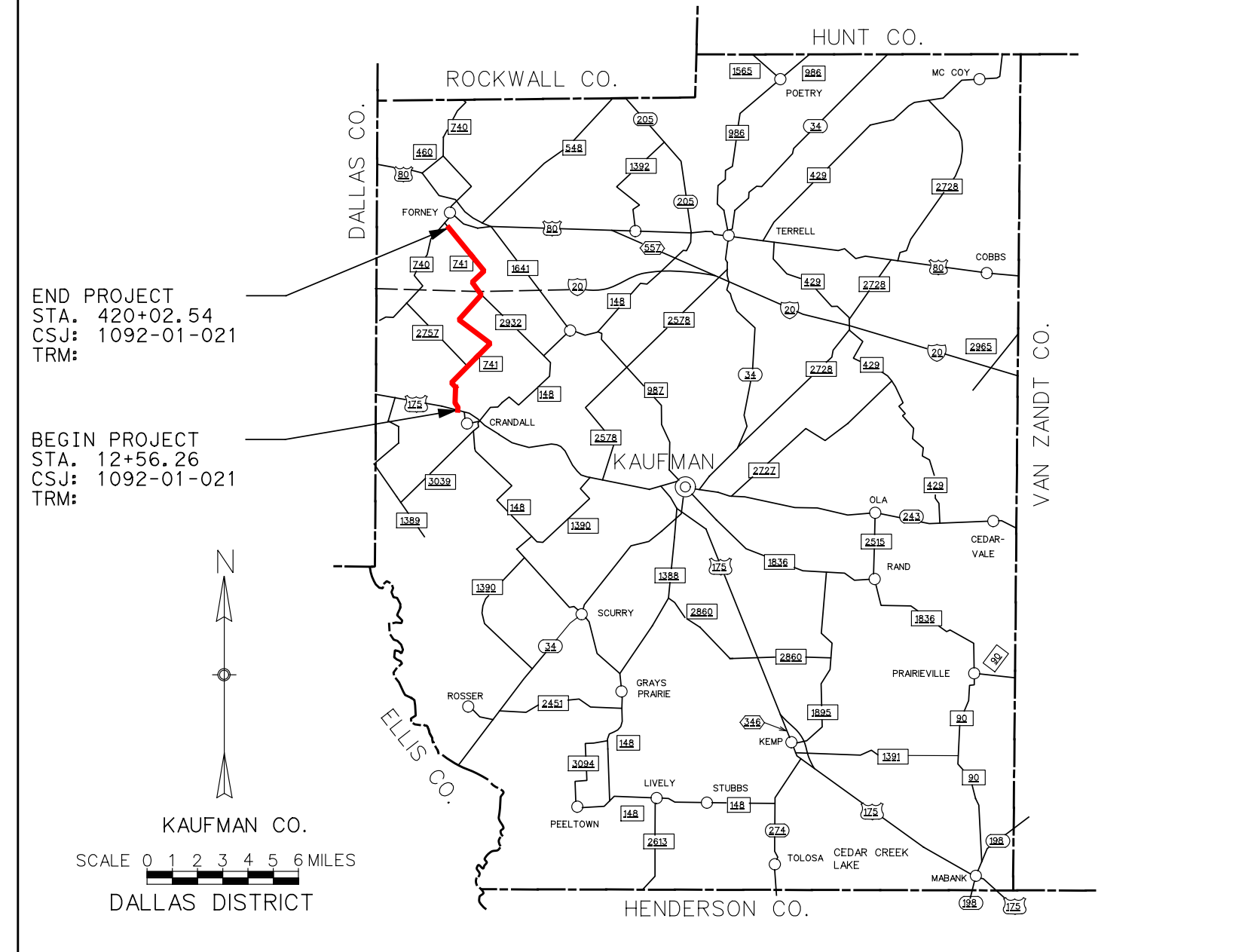

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