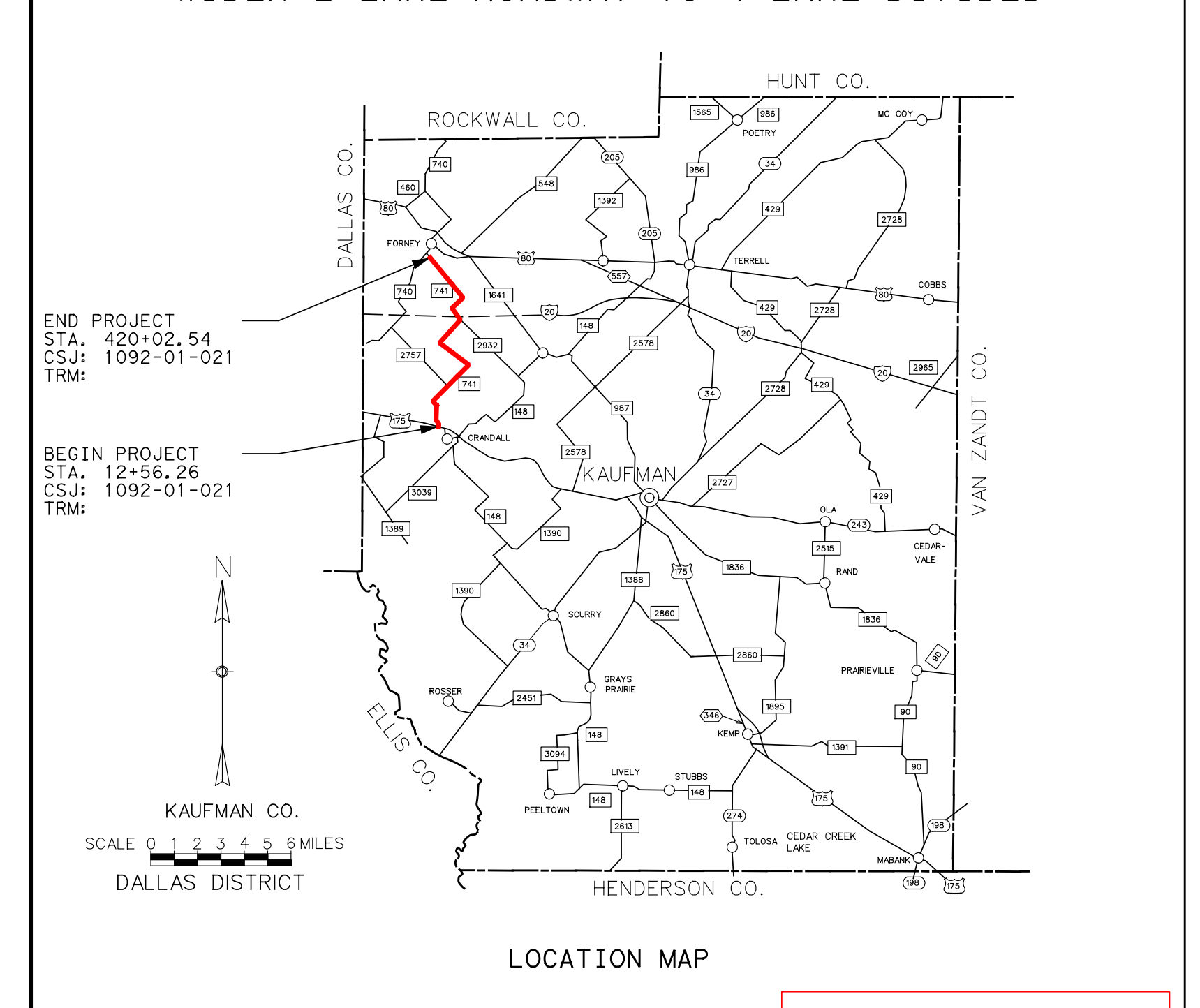
Texas Department of Transportation

© 2020 BY TEXAS DEPARTMENT OF TRANSPORTATION
ALL RIGHTS RESERVED

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


HUNT CO.
ROCKWALL CO.
DALLAS CO.
VAN ZANDT CO.
ELLIS CO.
HENDERSON CO.
KAUFMAN
FORNEY
TERRELL
CRANDALL
END PROJECT
STA. 420+02.54
CSJ: 1092-01-021
TRM:
BEGIN PROJECT
STA. 12+56.26
CSJ: 1092-01-021
TRM:
N
KAUFMAN CO.
SCALE 0 1 2 3 4 5 6 MILES
DALLAS DISTRICT

LOCATION MAP

30% SCHEMATIC

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

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

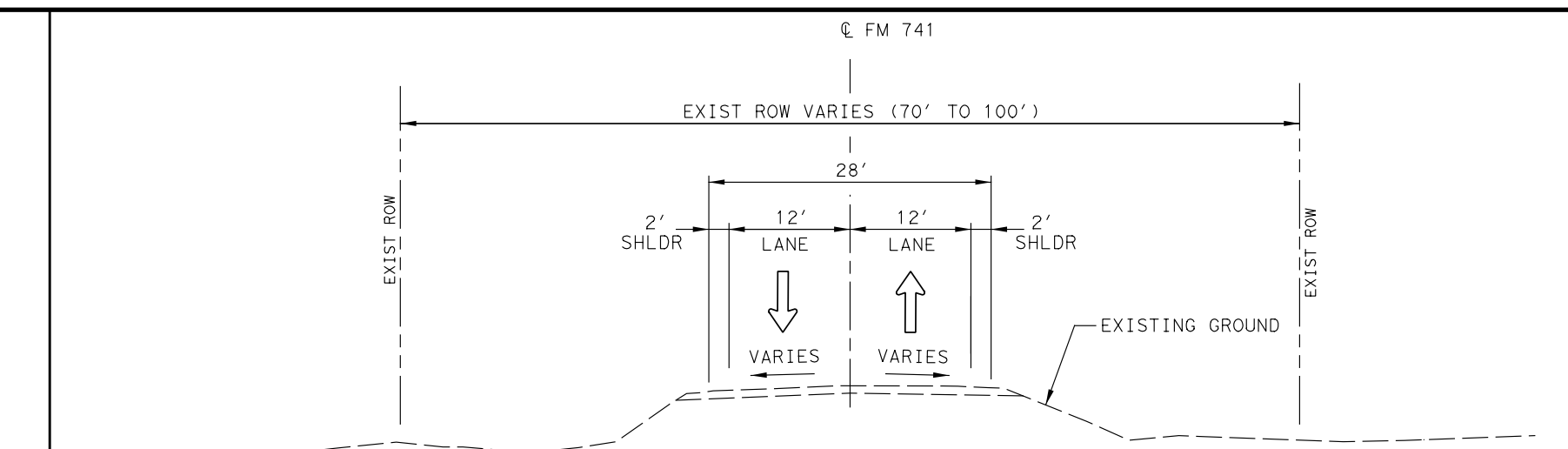
SEPTEMBER 2020
SCALE: 1"=100'
ROLL 6 OF 7

SHEET INDEX

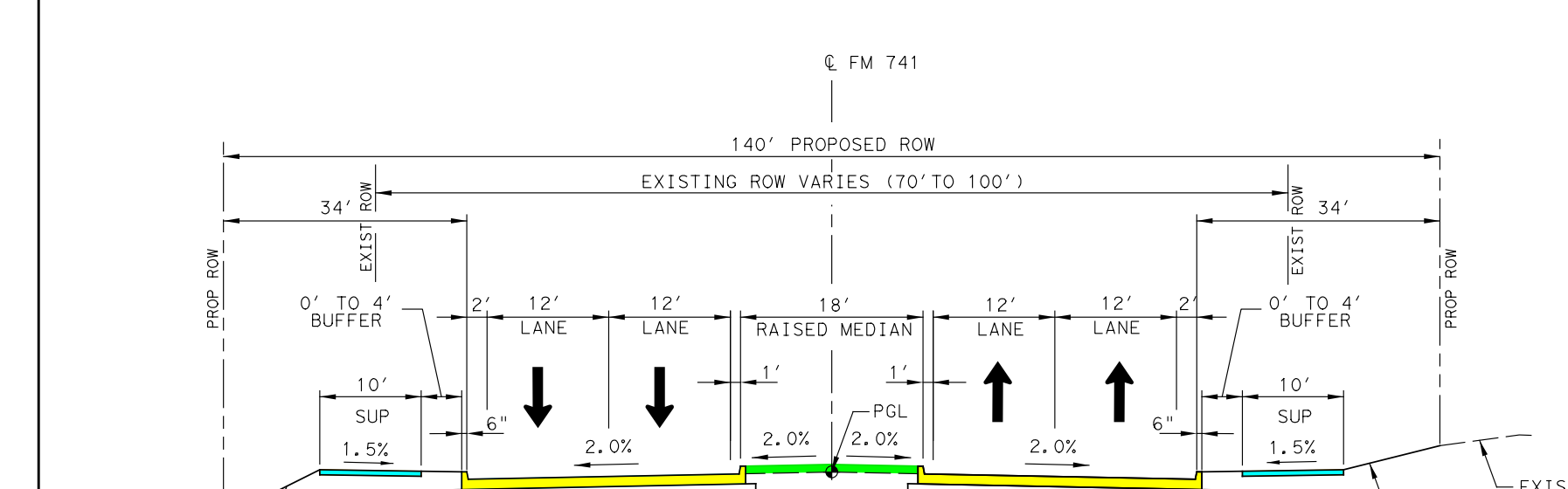
- ROLL 1: PLAN AND PROFILE - BEGIN PROJECT TO NORTH OF VENNER CIRCLE
- ROLL 2: PLAN AND PROFILE - NORTH OF VENNER CIRCLE TO NORTH OF FM 2757
- ROLL 3: PLAN AND PROFILE - NORTH OF FM 2757 TO NORTH OF COUNTY WOODS ROAD
- ROLL 4: PLAN AND PROFILE - NORTH OF COUNTY WOODS ROAD TO NORTH OF SUNNYBROOK DRIVE
- ROLL 5: PLAN AND PROFILE - NORTH OF SUNNYBROOK DRIVE TO NORTH OF LEONA STREET
- ROLL 6: PLAN AND PROFILE - NORTH OF LEONA STREET TO NORTH OF GOLDEN MEADOW LANE
- ROLL 7: PLAN AND PROFILE - NORTH OF GOLDEN MEADOW LANE TO SOUTH OF FM 548

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

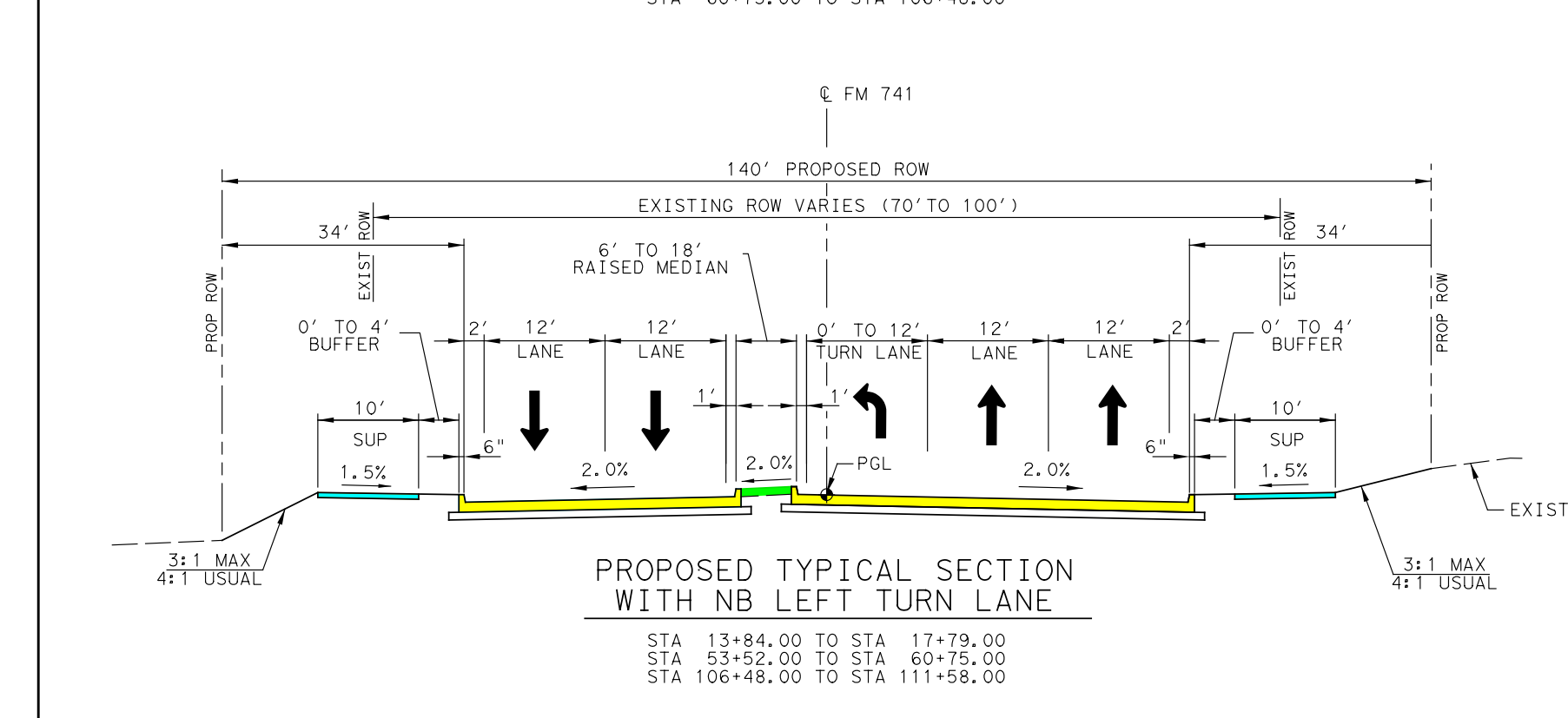
Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE FIRM REGISTRATION NO. 2614


℄ FM 741
EXIST ROW VARIES (70' TO 100')
28'
2' SHLDR
12' LANE
12' LANE
2' SHLDR
VARIES
VARIES
EXIST ROW
EXISTING GROUND

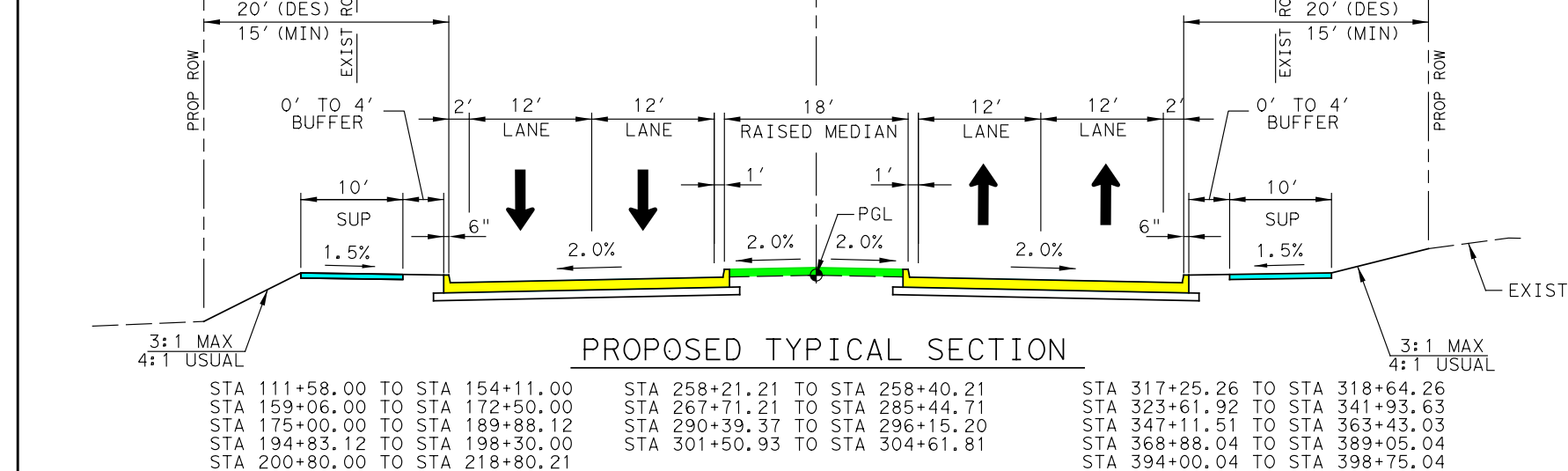
EXISTING TYPICAL SECTION
BEGIN PROJECT TO END PROJECT


℄ FM 741
140' PROPOSED ROW
EXISTING ROW VARIES (70' TO 100')
34'
0' TO 4' BUFFER
10' SUP
1.5%
12' LANE
18' RAISED MEDIAN
PGL
2.0%
6"
3:1 MAX
4:1 USUAL
EXISTING GROUND
PROP ROW
EXIST ROW

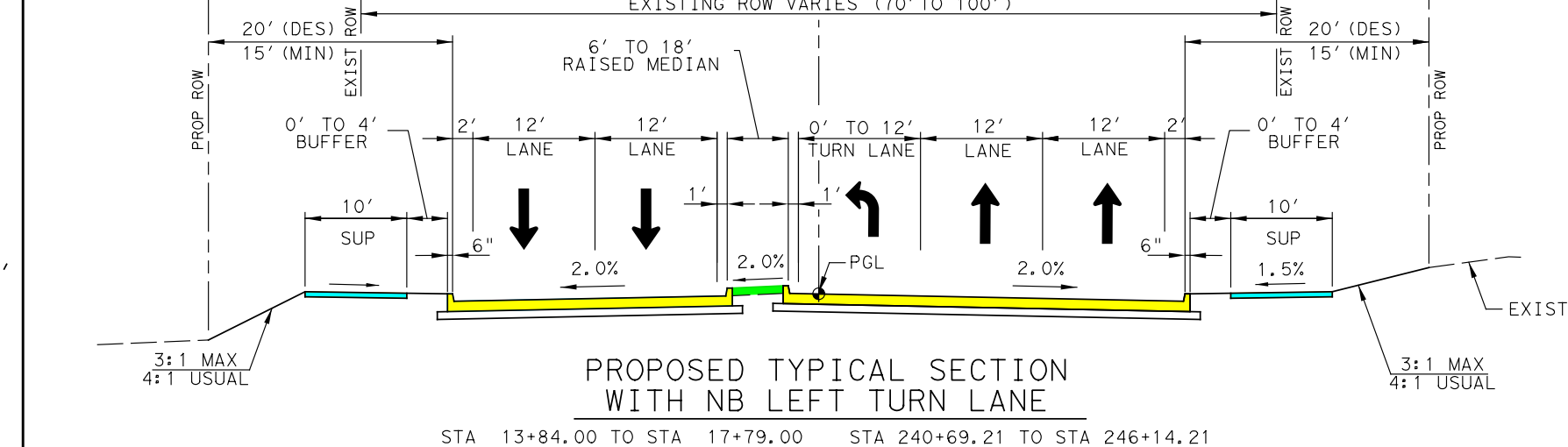
PROPOSED TYPICAL SECTION
STA 12+98.14 TO STA 13+84.00
STA 17+79.00 TO STA 53+52.00
STA 60+75.00 TO STA 106+48.00


℄ FM 741
140' PROPOSED ROW
EXISTING ROW VARIES (70' TO 100')
34'
6' TO 18' RAISED MEDIAN
0' TO 4' BUFFER
10' SUP
1.5%
12' LANE
0' TO 12' TURN LANE
PGL
2.0%
6"
3:1 MAX
4:1 USUAL
EXISTING GROUND
PROP ROW
EXIST ROW

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


℄ FM 741
PROPOSED ROW VARIES 115' TO 130'
EXISTING ROW VARIES (70' TO 100')
20' (DES)
15' (MIN)
0' TO 4' BUFFER
10' SUP
1.5%
12' LANE
18' RAISED MEDIAN
PGL
2.0%
6"
3:1 MAX
4:1 USUAL
EXISTING GROUND
PROP ROW
EXIST ROW

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+43.26
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


℄ FM 741
120' PROPOSED ROW
EXISTING ROW VARIES (70' TO 100')
20' (DES)
15' (MIN)
6' TO 18' RAISED MEDIAN
0' TO 4' BUFFER
10' SUP
1.5%
12' LANE
0' TO 12' TURN LANE
PGL
2.0%
6"
3:1 MAX
4:1 USUAL
EXISTING GROUND
PROP ROW
EXIST ROW

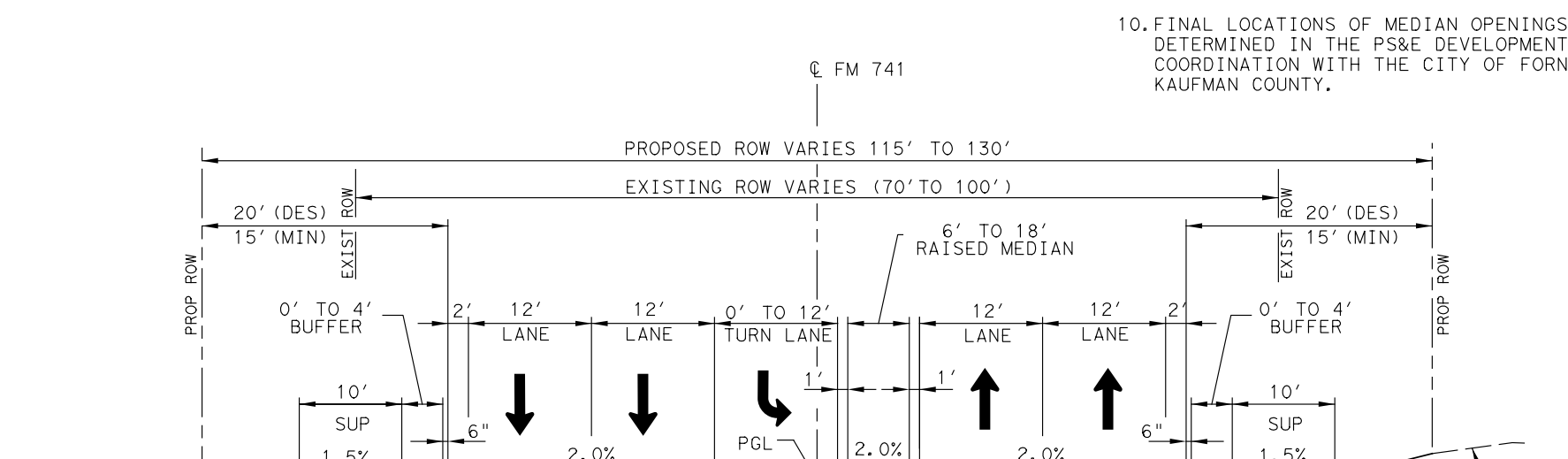
PROPOSED TYPICAL SECTION
WITH NB LEFT TURN LANE
STA 13+84.00 TO STA 17+79.00
STA 55+80.00 TO STA 60+75.00
STA 106+48.00 TO STA 111+58.00
STA 154+11.00 TO STA 159+06.00
STA 218+80.21 TO STA 223+75.03
STA 240+69.21 TO STA 246+14.21
STA 254+54.06 TO STA 258+21.21
STA 258+40.21 TO STA 262+91.41
STA 318+64.26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

LEGEND

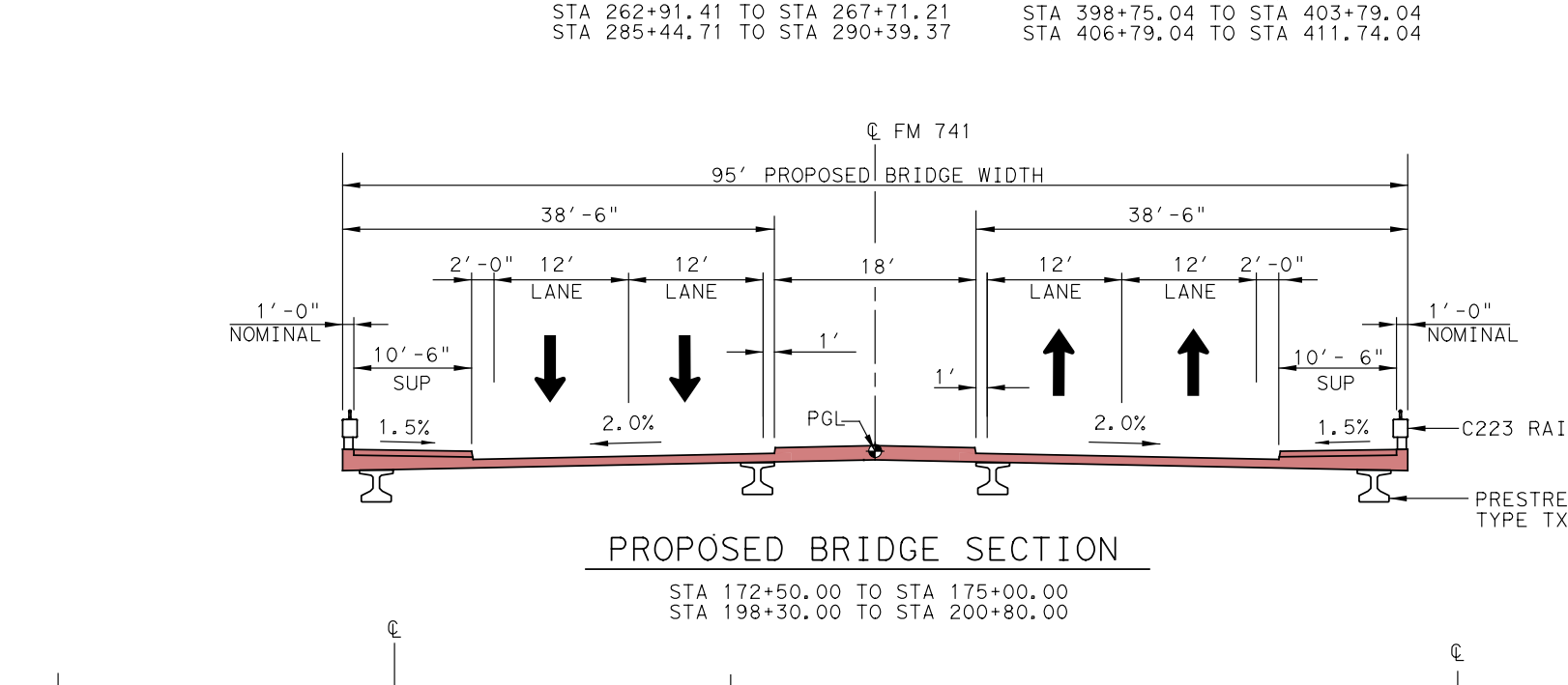
- ➡ DIRECTION OF TRAFFIC
- — EXISTING ROW
- ▨ EXISTING CROSS STREET PAVEMENT TO BE REMOVED
- — PROPOSED ROW
- 🟨 PROPOSED MAIN LANE PAVEMENT
- 🟥 PROPOSED BRIDGE
- 🟪 PROPOSED CROSS STREET PAVEMENT
- 🟦 PROPOSED SIDEWALK
- 🟩 PROPOSED MEDIAN
- 🟧 PROPOSED DRIVEWAY
- 🟦 DISPLACEMENTS
- ▨ 100 YEAR FLOODPLAIN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

NOTES:

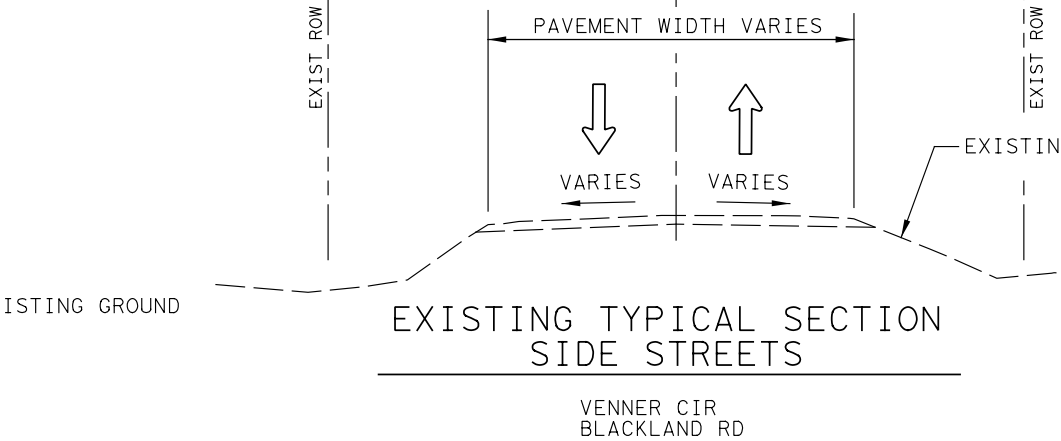
1. THE DESIGN SCHEMATICS WERE BASED ON FIELD SURVEY AND AERIAL SURVEY DATED APRIL 13, 2020.
2. OWNERSHIP INFORMATION SHOWN ON THE SCHEMATICS WERE OBTAINED FROM KAUFMAN COUNTY APPRAISAL DISTRICT (JUNE, 2020).
3. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS WERE BASED ON FEMA FLOOD INSURANCE RATE MAP.
4. BUILDINGS 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.


℄ FM 741
PROPOSED ROW VARIES 115' TO 130'
EXISTING ROW VARIES (70' TO 100')
20' (DES)
15' (MIN)
6' TO 18' RAISED MEDIAN
0' TO 4' BUFFER
10' SUP
1.5%
12' LANE
0' TO 12' TURN LANE
PGL
2.0%
6"
3:1 MAX
4:1 USUAL
EXISTING GROUND
PROP ROW
EXIST ROW

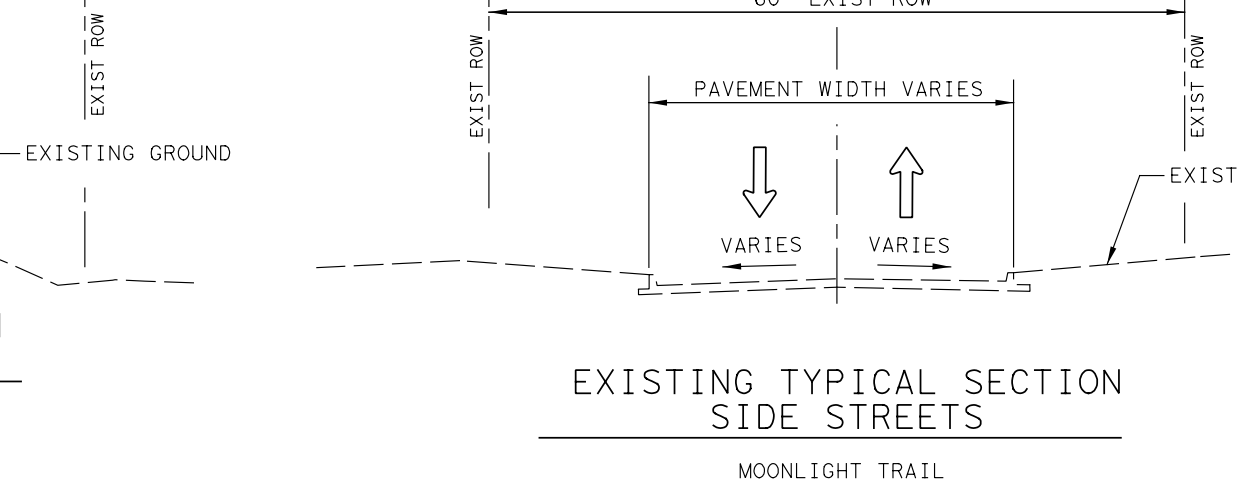
PROPOSED TYPICAL SECTION
WITH SB LEFT TURN LANE
STA 189+88.12 TO STA 194+83.12
STA 223+75.03 TO STA 228+70.21
STA 251+86.21 TO STA 255+53.71
STA 262+91.41 TO STA 267+71.21
STA 285+44.71 TO STA 290+39.37
STA 296+15.20 TO STA 301+50.93
STA 341+93.63 TO STA 347+11.51
STA 389+05.04 TO STA 394+00.04
STA 398+75.04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


℄ FM 741
95' PROPOSED BRIDGE WIDTH
38'-6"
2'-0"
12' LANE
18'
1'-0" NOMINAL
10'-6" SUP
1.5%
2.0%
PGL
C223 RAIL
PRESTRESSED CONCRETE BEAM TYPE TX28, TYP

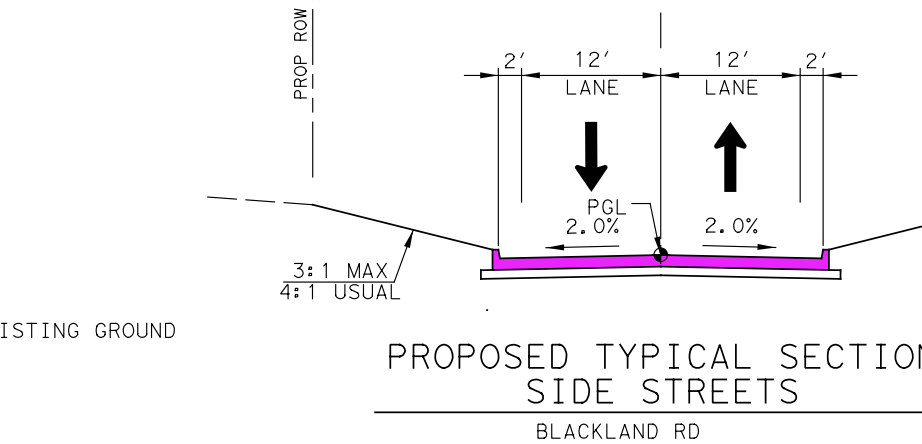
PROPOSED BRIDGE SECTION
STA 172+50.00 TO STA 175+00.00
STA 198+30.00 TO STA 200+80.00


℄
60' EXIST ROW
PAVEMENT WIDTH VARIES
VARIES
EXISTING GROUND
EXIST ROW

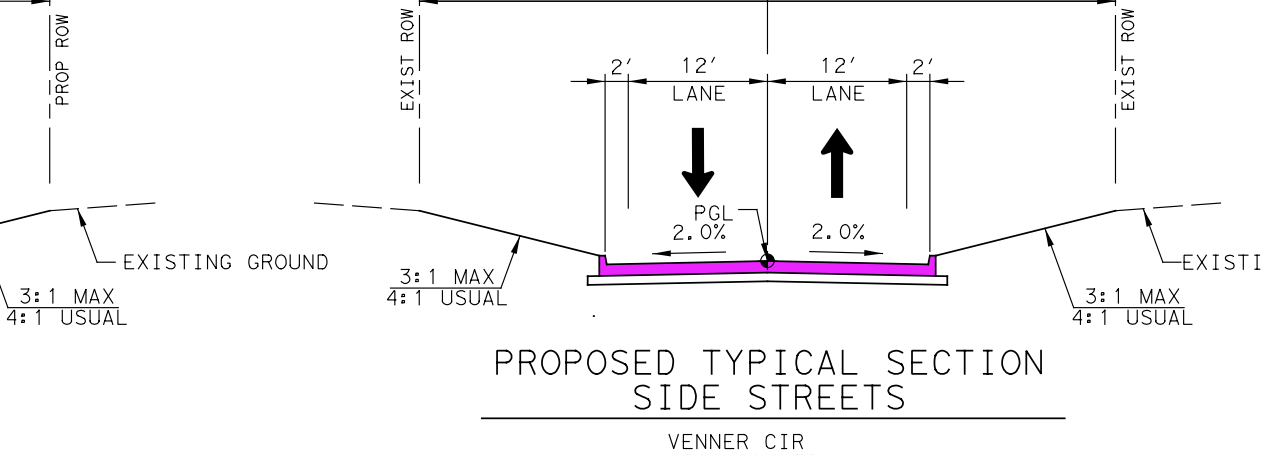
EXISTING TYPICAL SECTION
SIDE STREETS
VENNER CIR
BLACKLAND RD
COUNTY WOODS RD
HIGH COUNTRY LN
DOZIER CIR
PRECEINCT RD
LEWIS CIR
WINDY LN


℄
60' EXIST ROW
PAVEMENT WIDTH VARIES
VARIES
EXISTING GROUND
EXIST ROW

EXISTING TYPICAL SECTION
SIDE STREETS
MOONLIGHT TRAIL


℄
60' PROPOSED ROW
2'
12' LANE
PGL
2.0%
3:1 MAX
4:1 USUAL
EXISTING GROUND
PROP ROW

PROPOSED TYPICAL SECTION
SIDE STREETS
BLACKLAND RD
COUNTY WOODS RD


℄
60' EXISTING ROW
2'
12' LANE
PGL
2.0%
3:1 MAX
4:1 USUAL
EXISTING GROUND
EXIST ROW

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

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
FM74114	340+92.84	6,946,544.97	2,600,834.19	89° 57' 22.86" (LT)	954.93'	5° 59' 59.99"	954.20'	1,499.27'	N 0° 16' 29.20" W	1,349.96'	331+38.64	346+37.91	N 44° 42' 12.23" E	N 45° 15' 10.63" W
FM74115	370+28.57	6,948,899.67	2,598,458.59	88° 35' 00.00" (RT)	931.90'	6° 08' 53.79"	909.14'	1,440.78'	N 0° 57' 40.63" W	1,301.51'	361+19.43	375+60.21	N 45° 15' 10.63" W	N 43° 19' 49.37" E
FM74116	397+34.03	6,951,142.24	2,600,574.13	89° 04' 00.00" (LT)	954.93'	5° 59' 59.99"	939.50'	1,484.45'	N 1° 12' 10.63" W	1,339.43'	387+94.53	402+78.97	N 43° 19' 49.37" E	N 45° 44' 10.63" W

N
0' 50' 100' 200'
SCALE: 1"=100'
MATCH LINE STA 324+00
SADIE ST
WILARD WA
ELI RD
EXIST ROW
PROP ROW
FM 741
325+00
330+00
335+00
CL FM 741
CURVE FM74114
VINTAGE MEADOWS RESIDENTIAL COMMUNITY INC C/O KERRI KINGSBERY
COLLIER CARROLL
MCSPADDEN JOE & KAREN
SIERRA ZEFERINO & IRENE
GARCIA JUAN & MC VEY ROBERT
GARZA BILLY FRANK
SHIPLEY AUSTIN EST
MCGEE D D
KAUFMAN COUNTY
MATCH LINE STA 339+00
PRECINCT CIR
FM 2932
PRECINCT DR
345+00
350+00
355+00
360+00
HIGH COUNTRY LN
SBS COMMERCIAL PROPERTIES LL
SWI ENTERPRISES LLC
HARMOND VIRGIL B & JONI E
LEWIS CIRCLE
FORESTAR USA
WHALEY HELEN M
WHALEY INVESTMENTS LTD
CURVE FM74115
MATCH LINE STA 367+00
LAKEMONT DRIVE
370+00
375+00
380+00
385+00
CURVE FM74116
DERIEUX JACOB
SELLERS MELVIN H
CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS, TAX ADM DIV 575-4488
THOMPSON PAULA D
GOLDEN MEADOW LN
MATCH LINE STA 390+00

1. CONTRERAS RUBEN D JR & FLOR NAVARRETE
2. SKAHAN MICHAEL & KATHRYN B
3. TORRES DIOSDADO R SR
4. MAYLE RUSSELL F & HGAN K HOANG
5. RILEY LESLIE & ANGELA
6. HARDISON DONALD D
7. SCHEPPEGRELL MICHAEL T & PEGGY L
8. HALLAM MICHAEL T & RANDI L
9. HURNTON DEBBIE
10. OLVERA ABIGAIL & RODRIGO C TOVAR
11. AUSTIN PARRISH F SR & ROCIO

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

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

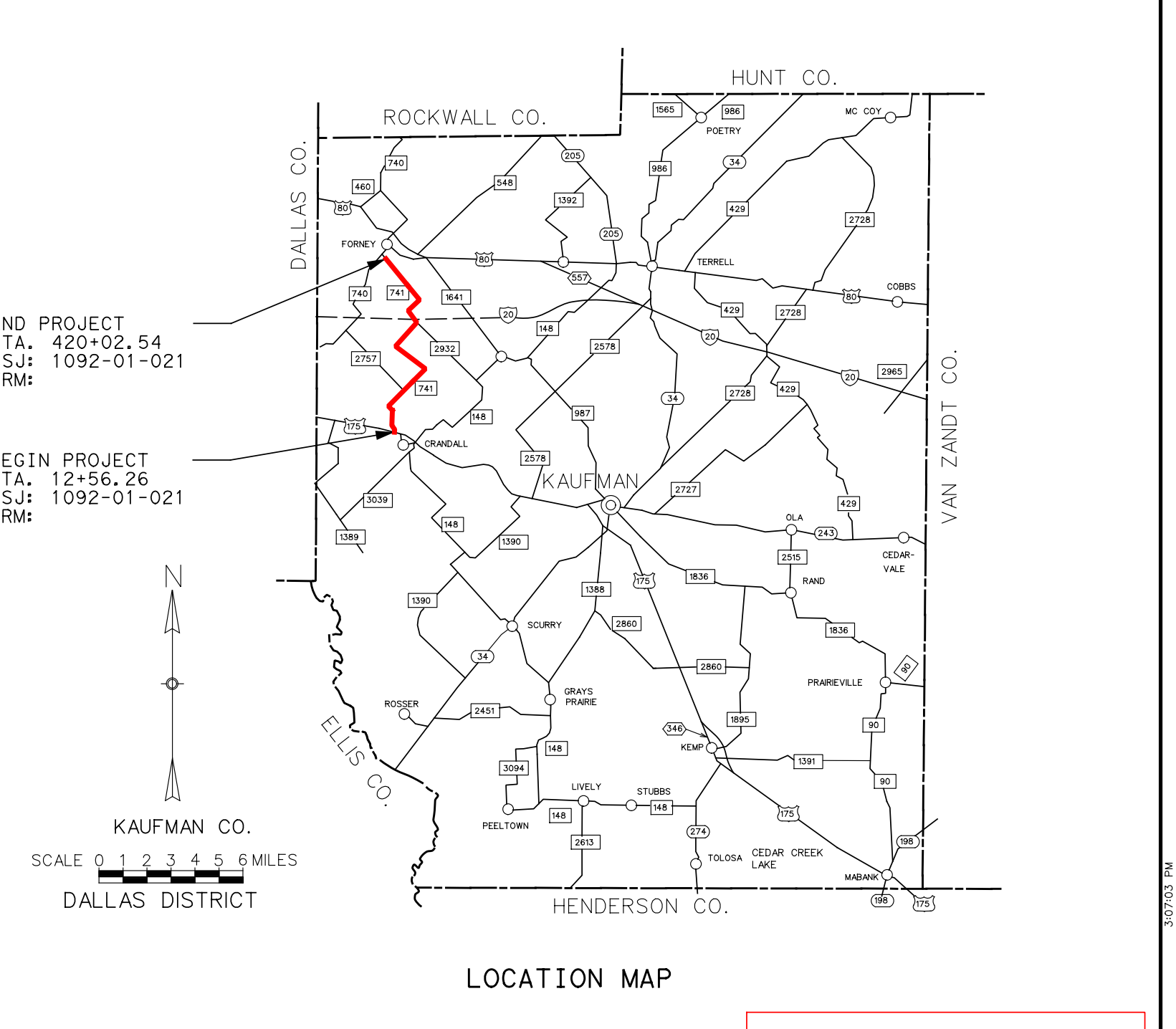
500
490
480
470
460
450
440
430
MATCH LINE STA 324+00 EL=472.72
PROPOSED PGL AT ℄ FM 741
EXISTING GROUND AT ℄ FM 741
EXIST 2X36" RCP TO BE REPLACED FL EL=469.99
MATCH LINE STA 339+00 EL=477.99
EXIST 24" RCP TO BE REPLACED FL EL=473.70
VPI STA. 358+90.00 EL =484.97
(+) 0.35% (-) 0.49%
ex = -0.17' K = 191 L=160.00'
VPC STA. 358+10.00
VPT STA. 359+70.00
MATCH LINE STA 367+00 EL=481.02
ex = 0.32' K = 99 L=160.00'
VPC STA. 372+20.00
VPT STA. 373+80.00
(-) 0.49% (+) 1.12%
VPI STA. 373+00.00 EL =478.10
EXIST 36" RCP TO BE REPLACED FL EL=470.84
VPI STA. 379+10.00 EL =484.94
(+) 1.12% (+) 0.50%
ex = -0.16' K = 195 L=160.00'
VPC STA. 378+30.00
VPT STA. 379+90.00
MATCH LINE STA 390+00 EL=488.21
325+00
330+00
335+00
340+00
345+00
350+00
355+00
360+00
365+00
370+00
375+00
380+00
385+00
390+00
PROPOSED
EXISTING

FM 741 PROFILE

FM 741 PROFILE

FM 741 PROFILE

Texas Department of Transportation
© 2020 BY TEXAS DEPARTMENT OF TRANSPORTATION
ALL RIGHTS RESERVED
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
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:
ABENET BEKELE 86055 9/17/20
NAME P.E. NO. DATE
SEPTEMBER 2020
SCALE: 1"=100'
ROLL 6 OF 7
SHEET INDEX
ROLL 1: PLAN AND PROFILE - BEGIN PROJECT TO NORTH OF VENNER CIRCLE
ROLL 2: PLAN AND PROFILE - NORTH OF VENNER CIRCLE TO NORTH OF FM 2757
ROLL 3: PLAN AND PROFILE - NORTH OF FM 2757 TO NORTH OF COUNTY WOODS ROAD
ROLL 4: PLAN AND PROFILE - NORTH OF COUNTY WOODS ROAD TO NORTH OF SUNNYBROOK DRIVE
ROLL 5: PLAN AND PROFILE - NORTH OF SUNNYBROOK DRIVE TO NORTH OF LEONA STREET
ROLL 6: PLAN AND PROFILE - NORTH OF LEONA STREET TO NORTH OF GOLDEN MEADOW LANE
ROLL 7: PLAN AND PROFILE - NORTH OF GOLDEN MEADOW LANE TO SOUTH OF FM 548
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


HUNT CO.
ROCKWALL CO.
DALLAS CO.
VAN ZANDT CO.
ELLIS CO.
HENDERSON CO.
KAUFMAN
END PROJECT
STA. 420+02.54
CSJ: 1092-01-021
TRM:
BEGIN PROJECT
STA. 12+56.26
CSJ: 1092-01-021
TRM:
N
KAUFMAN CO.
SCALE 0 1 2 3 4 5 6 MILES
DALLAS DISTRICT