TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
JAMES K. (KELLY) SELMAN, P.E., DISTRICT ENGINEER

US 377
DESIGN SCHEMATIC

DENTON COUNTY, TEXAS

FROM SOUTH OF FM 1171 TO NORTH OF CRAWFORD ROAD
CSJ: 0081-03-047
LENGTH: 6.13 MILES

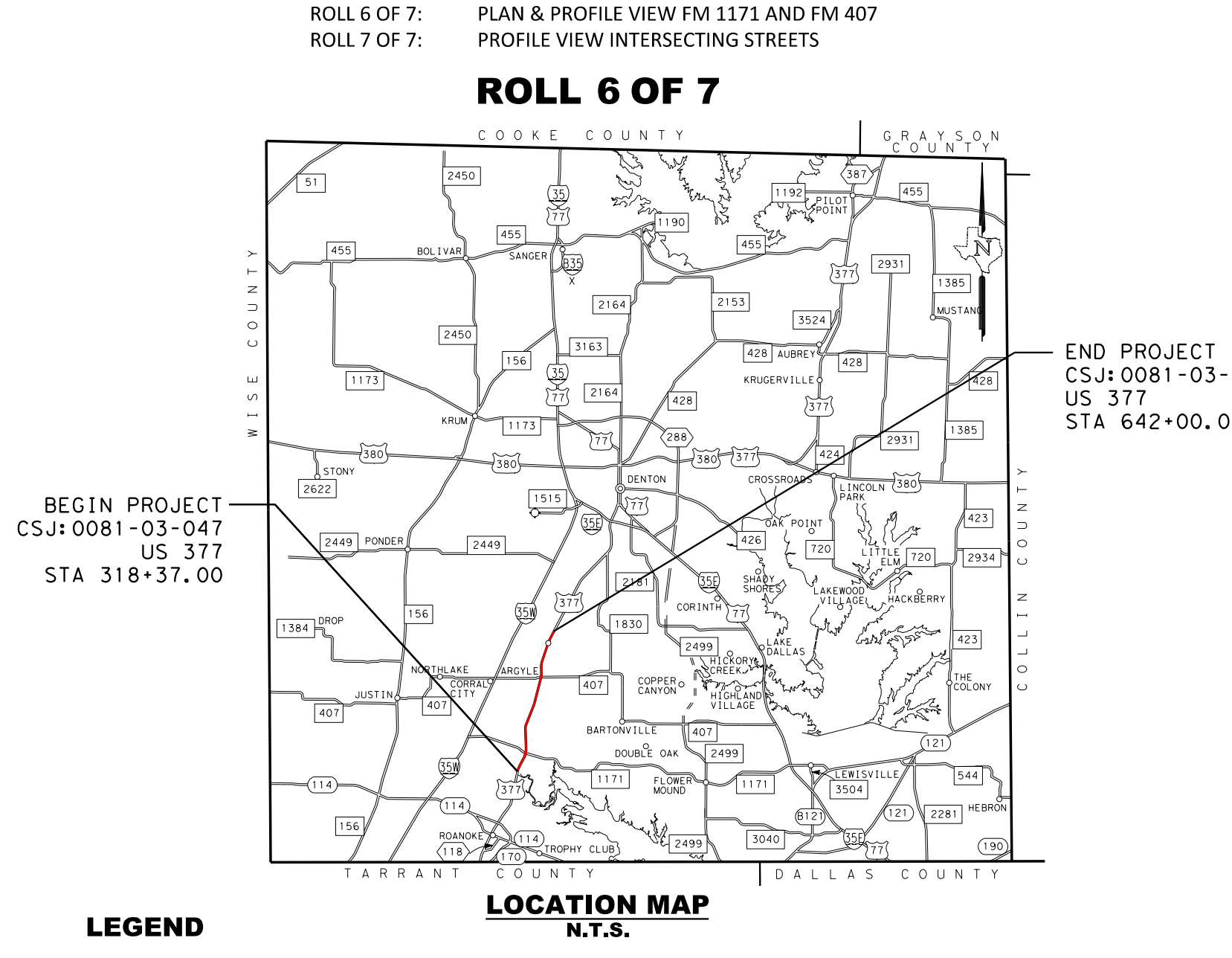
DATE: NOVEMBER, 2017

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 377, FM 1171, US 377 EAST, US 377 WEST	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 407	45 MPH	URBAN MINOR ARTERIAL
COUNTRY CLUB ROAD, CRAWFORD ROAD	35 MPH	URBAN MINOR ARTERIAL
CANYON FALLS DRIVE, FRENCH TOWN ROAD, OLD JUSTIN ROAD, DENTON STREET	35 MPH	URBAN COLLECTOR
ALL OTHER ROADWAYS	35 MPH	LOCAL STREETS

INDEX OF SHEETS

ROLL 1 OF 7:	PLAN & PROFILE VIEW STA. 324+50.00 TO STA. 390+00.00
ROLL 2 OF 7:	PLAN & PROFILE VIEW STA. 390+00.00 TO STA. 456+00.00
ROLL 3 OF 7:	PLAN & PROFILE VIEW STA. 456+00.00 TO STA. 517+00.00
ROLL 4 OF 7:	PLAN & PROFILE VIEW STA. 517+00.00 TO STA. 581+00.00
ROLL 5 OF 7:	PLAN & PROFILE VIEW STA. 581+00.00 TO STA. 642+00.00
ROLL 6 OF 7:	PLAN & PROFILE VIEW FM 1171 AND FM 407
ROLL 7 OF 7:	PROFILE VIEW INTERSECTING STREETS

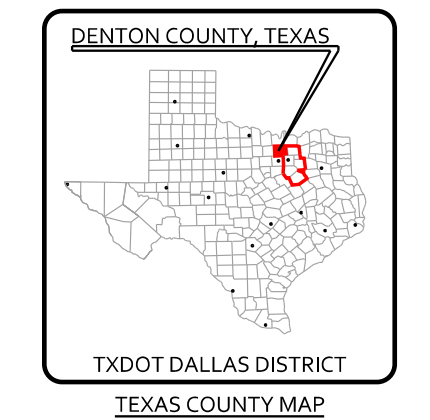
ROLL 6 OF 7


COOKE COUNTY
GRAYSON COUNTY
WISE COUNTY
COLLIN COUNTY
TARRANT COUNTY
DALLAS COUNTY
END PROJECT
CSJ: 0081-03-047
US 377
STA 642+00.00
BEGIN PROJECT
CSJ: 0081-03-047
US 377
STA 318+37.00
BOLIVAR
SANGER
KRUGERVILLE
AUBREY
KRUM
DENTON
CROSSROADS
CORINTH
LAKE DALLAS
JUSTIN
ARGYLE
COPPER CANYON
DOUBLE OAK
FLOWER MOUND
LEWISVILLE
HEBRON
ROANOKE
TROPHY CLUB
THE COLONY
LITTLE ELM
HACKBERRY
PONDER
STONY

LOCATION MAP
N.T.S.

LEGEND

—·—·—	EXISTING ROW	-- FOC --	FIBER OPTIC CABLE
—··—··—	PROPOSED ROW	-- G --	GAS
—·—·—	PROPOSED DRAINAGE EASEMENT	-- OE --	OVERHEAD ELECTRIC
—·—·—	CENTERLINE/BASELINE	-- OH/FOC --	OVER HEAD / FIBER OPTIC CABLE
———	EXISTING PLANIMETRIC FEATURES	-- T --	TELECOM
— —	EXISTING CULVERT	-- E2 --	UNDERGROUND ELECTRIC
—·—·—	EXISTING PARCEL LINE	-- W --	WATER
———	PROPOSED RAILROAD EASEMENT	-- WW --	WASTE WATER
— —	PROPOSED DRIVEWAY EASEMENT	▭	PROPOSED CONCRETE PAVEMENT
▨	EXISTING TO BE REMOVED	▭	PROPOSED ASPHALT PAVEMENT
→	DIRECTION OF TRAVEL	▭	PROPOSED DRIVEWAY IMPROVEMENTS
①	PARCEL IDENTIFIER NUMBER	▭	PROPOSED SIDEWALK
═	PROPOSED CULVERT	▭	PROPOSED GRASS MEDIAN
▭	IMPROVEMENTS UNDER CONSTRUCTION	▭	PROPOSED CONCRETE MEDIAN
▭	LIMITS OF FLOOD PLAIN	▭	EXISTING PAVEMENT TO REMAIN
—560—	EXISTING 5' INTERVAL CONTOUR	▭	ASPHALT OVERLAY EXISTING PAVEMENT
|—|	PROPOSED R.R. CROSSING SYMBOL	▬ ▬	PROPOSED RETAINING WALL
●—	PROPOSED RR. SIGNAL & GATE	▨	PROPOSED ROCK RIPRAP


DENTON COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

0 100 200
HORIZONTAL
0 10 20
VERTICAL
GRAPHIC SCALES IN FEET

PREPARED BY JACOBS ENGINEERING GROUP, INC.
REGISTRATION F-2966
UNDER THE SUPERVISION OF
DEBORAH F. NEUBERT, P.E.
Deborah F. Neubert 1/09/18
LICENSE NO. 83059 DATE

JACOBS
1999 BRYAN STREET, SUITE 1200
DALLAS, TX 75201-3136
Phone 214.638.0145
Firm Registration F-2966

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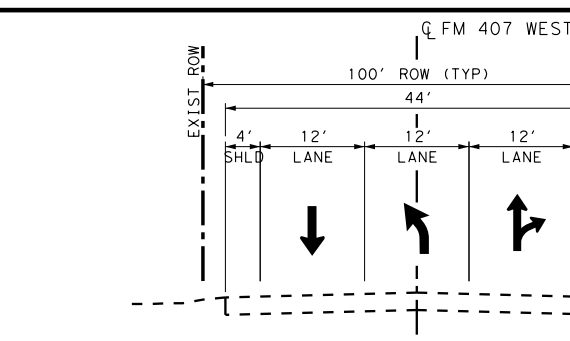
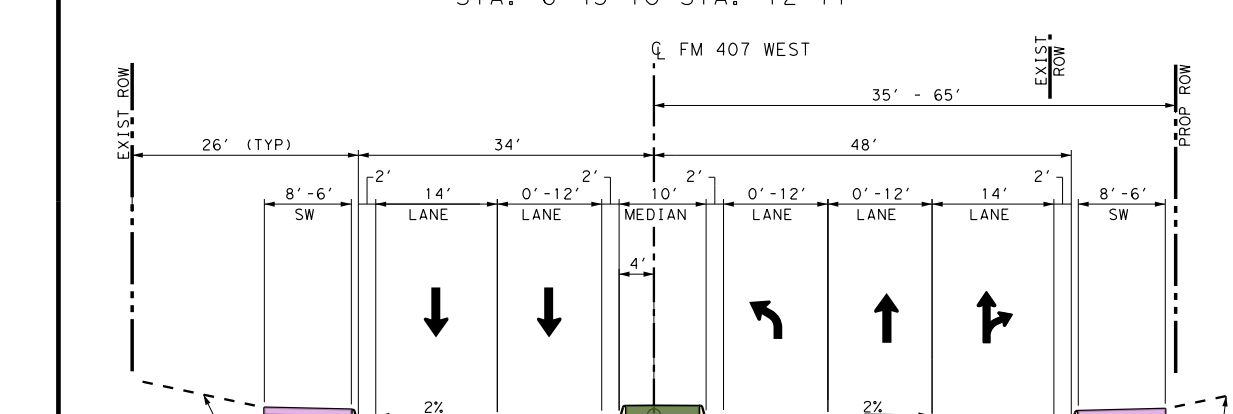
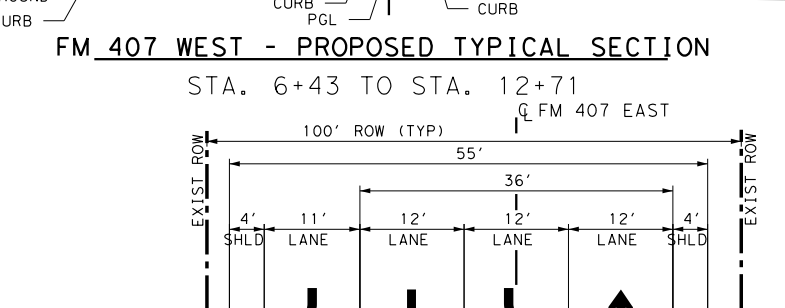

℄ FM 407 WEST
100' ROW (TYP)
44'
4' SHLD
12' LANE
12' LANE
12' LANE
4' SHLD
EXIST ROW

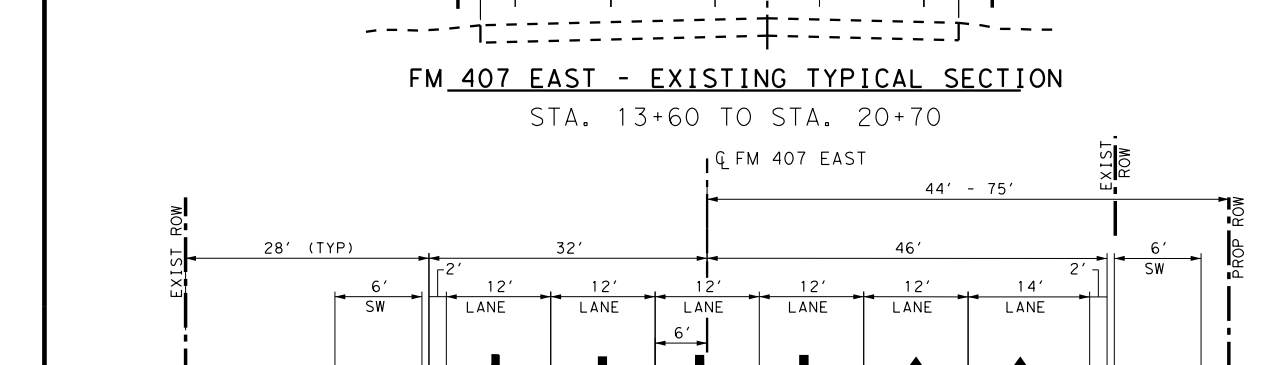
FM 407 WEST - EXISTING TYPICAL SECTION
STA. 6+43 TO STA. 12+71


℄ FM 407 WEST
EXIST ROW
PROP ROW
26' (TYP)
34'
48'
35' - 65'
8'-6' SW
2'
14' LANE
0'-12' LANE
10' MEDIAN
0'-12' LANE
0'-12' LANE
14' LANE
8'-6' SW
2%
EXIST GROUND
CURB
PGL

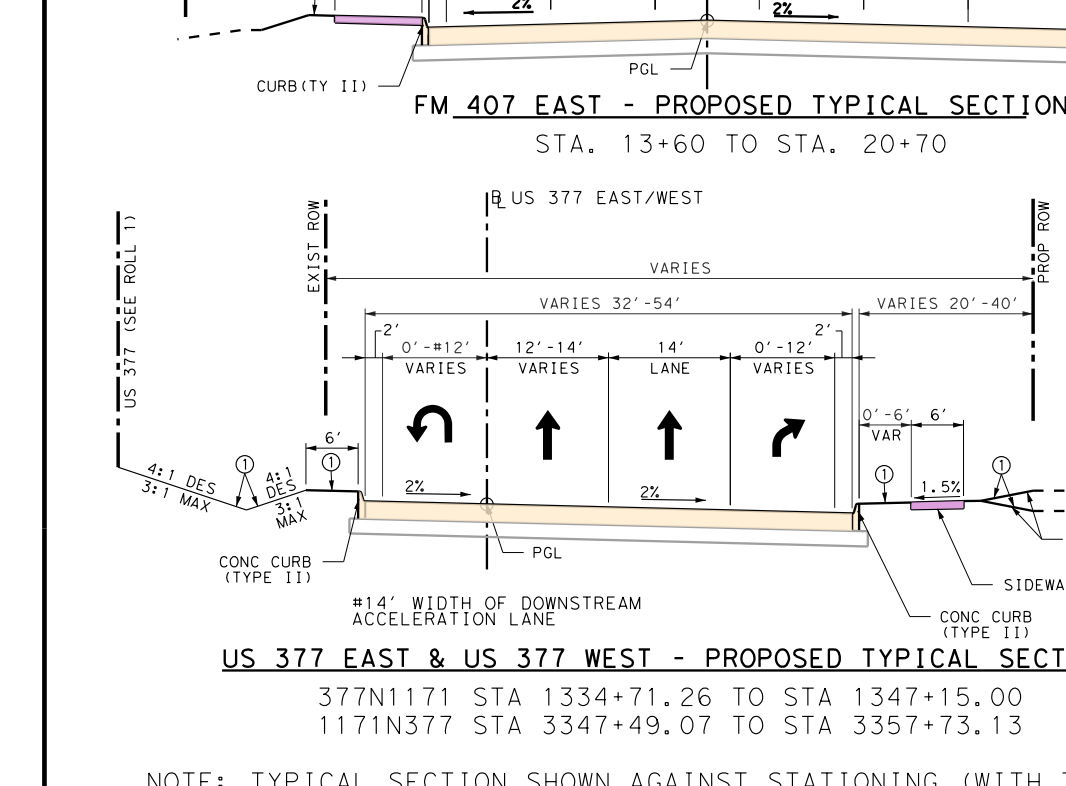
FM 407 WEST - PROPOSED TYPICAL SECTION
STA. 6+43 TO STA. 12+71


℄ FM 407 EAST
100' ROW (TYP)
55'
36'
4' SHLD
11' LANE
12' LANE
12' LANE
12' LANE
4' SHLD
EXIST ROW

FM 407 EAST - EXISTING TYPICAL SECTION
STA. 13+60 TO STA. 20+70

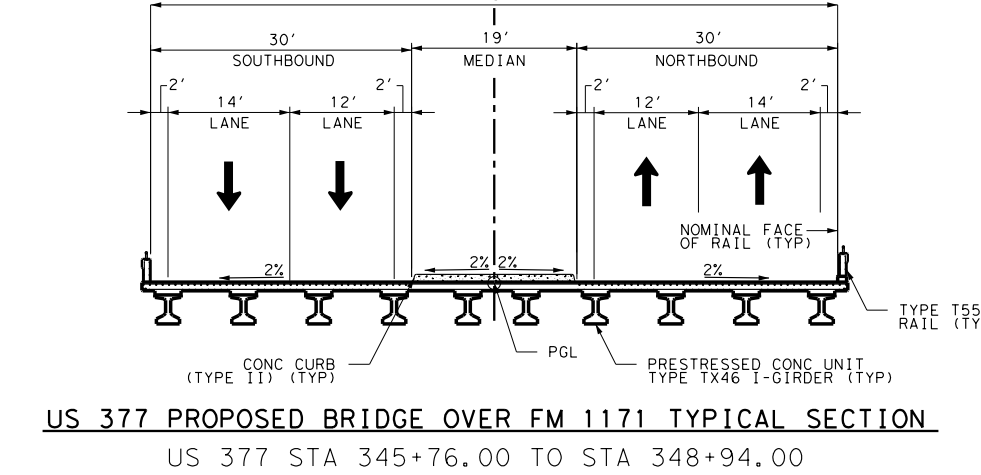

℄ FM 407 EAST
EXIST ROW
PROP ROW
28' (TYP)
32'
46'
44' - 75'
6' SW
12' LANE
12' LANE
12' LANE
12' LANE
12' LANE
14' LANE
6' SW
2%
CURB (TY II)
PGL

FM 407 EAST - PROPOSED TYPICAL SECTION
STA. 13+60 TO STA. 20+70

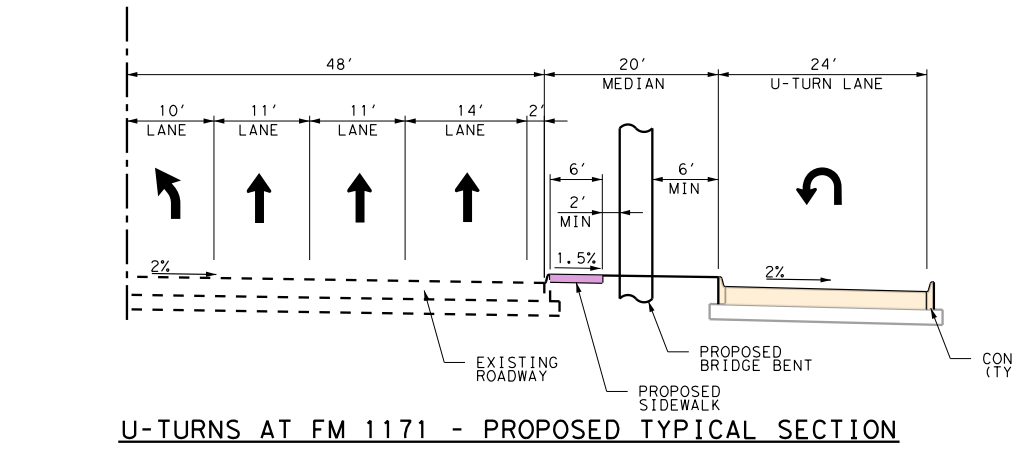

℄ US 377 EAST/WEST
EXIST ROW
PROP ROW
VARIES
VARIES 32'-54'
VARIES 20'-40'
2'
0'-±12' VARIES
12'-14' VARIES
14' LANE
0'-12' VARIES
0'-6'
6'
1.5%
4:1 DES. 3:1 MAX
EXIST GROUND
CONC CURB (TYPE II)
PGL
SIDEWALK
CONC CURB (TYPE II)
*14' WIDTH OF DOWNSTREAM ACCELERATION LANE

US 377 EAST & US 377 WEST - PROPOSED TYPICAL SECTION
377N1171 STA 1334+71.26 TO STA 1347+15.00
1171N377 STA 3347+49.07 TO STA 3357+73.13

NOTE: TYPICAL SECTION SHOWN AGAINST STATIONING (WITH TRAFFIC) ON SOUTHBOUND SIDE
1171S377 STA 2335+90.17 TO STA 2346+65.00
377S1171 STA 4348+20.00 TO STA 4356+19.23

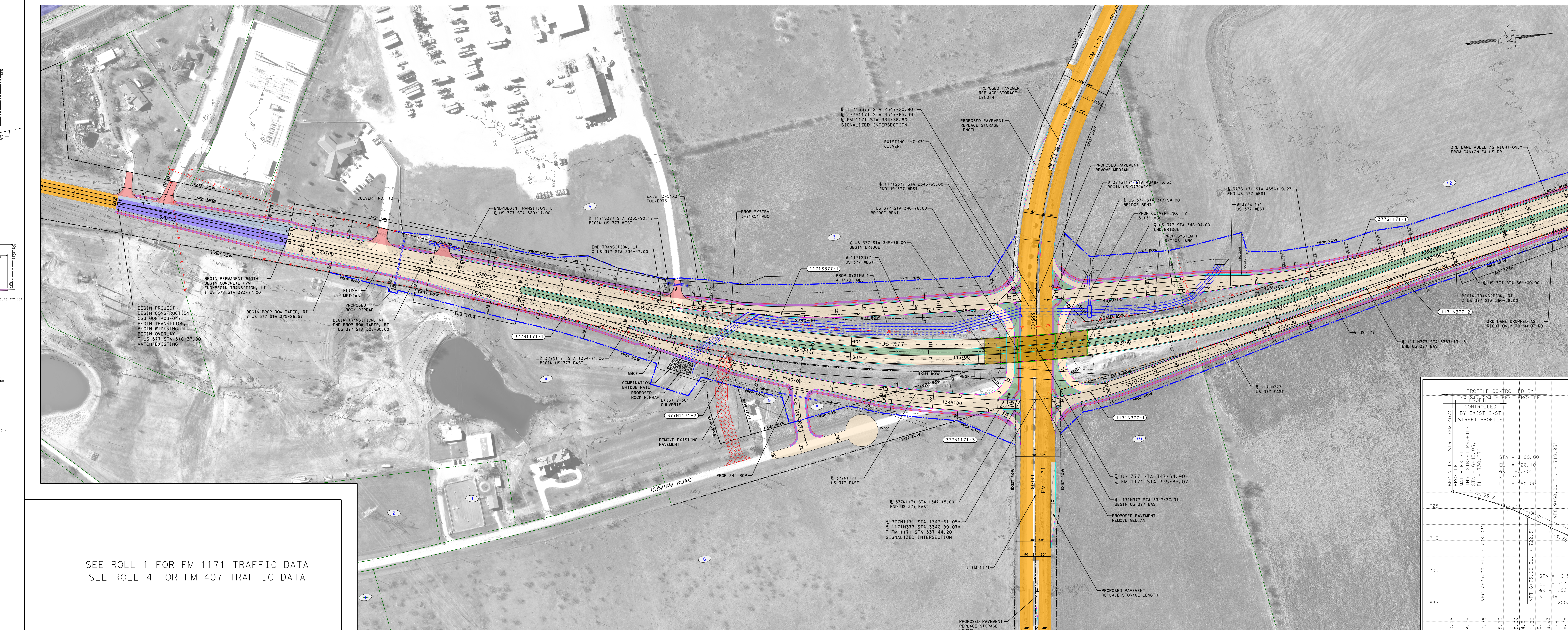

℄ US 377
79'
30' SOUTHBOUND
19' MEDIAN
30' NORTHBOUND
2'
14' LANE
12' LANE
12' LANE
14' LANE
2'
2%
NOMINAL FACE OF RAIL (TYP)
TYPE T551 RAIL (TYP)
CONC CURB (TYPE II) (TYP)
PGL
PRESTRESSED CONC UNIT TYPE TX46 I-GIRDER (TYP)

US 377 PROPOSED BRIDGE OVER FM 1171 TYPICAL SECTION
US 377 STA 345+76.00 TO STA 348+94.00
(100' ~ 118' ~ 100' SPANS)


℄ FM 1171
48'
20' MEDIAN
24' U-TURN LANE
10' LANE
11' LANE
11' LANE
14' LANE
6' MIN
6' MIN
1.5%
2%
EXISTING ROADWAY
PROPOSED BRIDGE BENT
PROPOSED SIDEWALK
CONC CURB TYPE II (TYP)

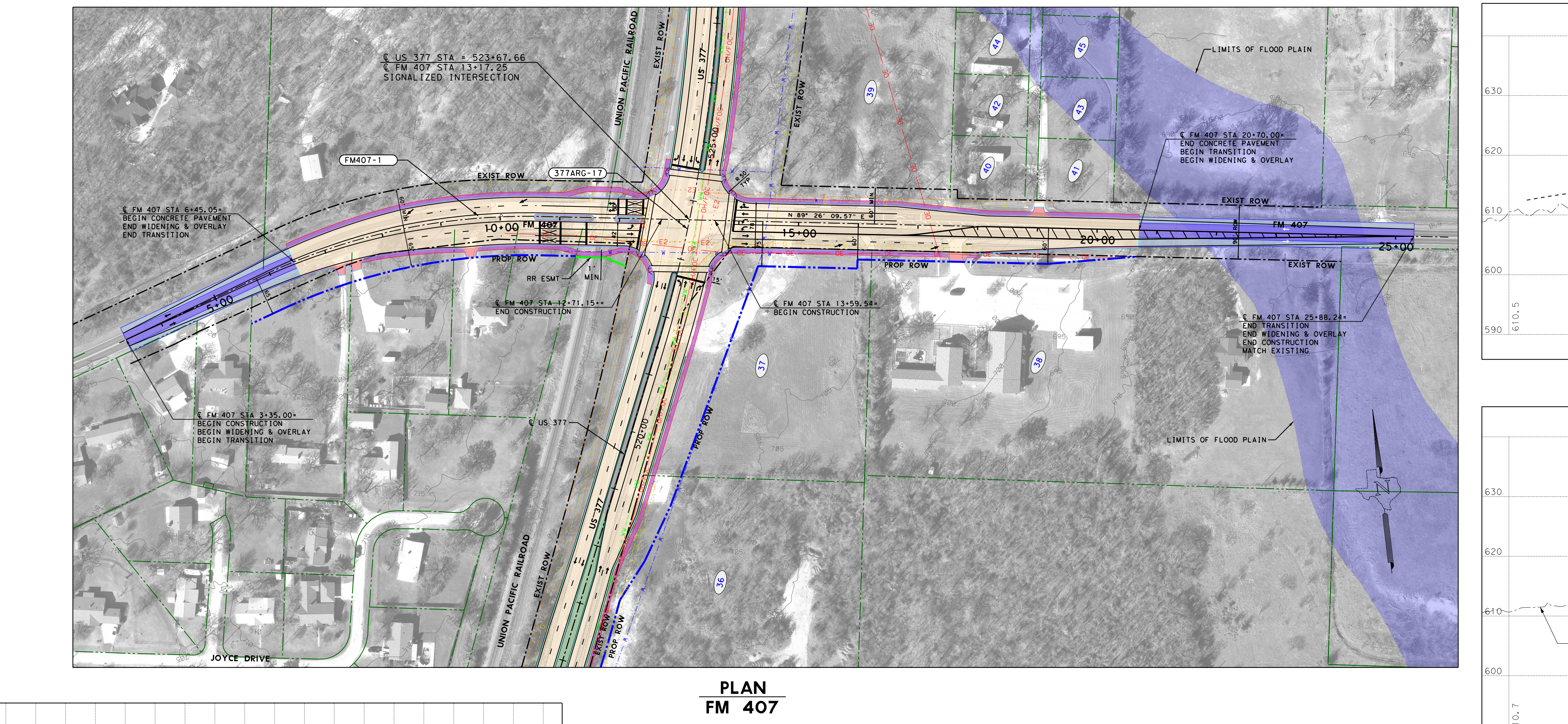
U-TURNS AT FM 1171 - PROPOSED TYPICAL SECTION
FM 1171 STA 334+36.80 TO STA 337+44.20
(NORTH SIDE MIRRORED)

TYPICAL SECTIONS [N.T.S.]

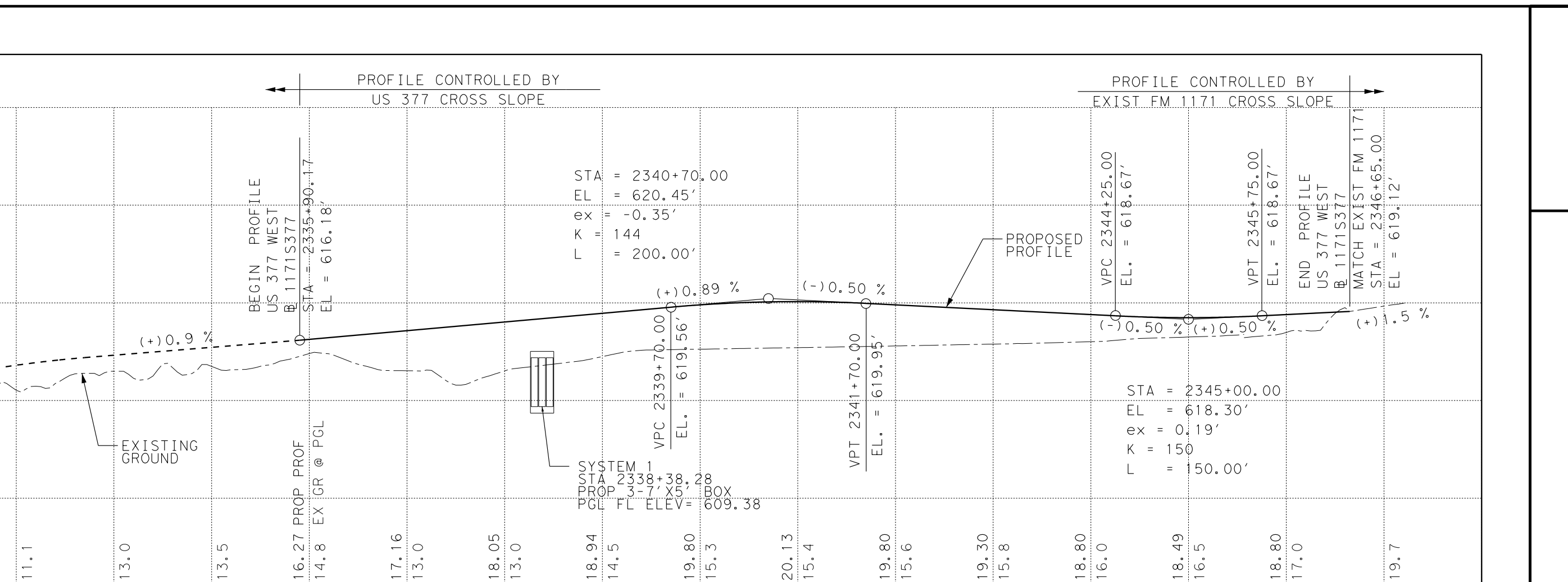

BEGIN PROJECT
BEGIN CONSTRUCTION
CSJ 0081-03-047
BEGIN TRANSITION, LT
BEGIN WIDENING, LT
BEGIN OVERLAY
℄ US 377 STA 318+37.00
MATCH EXISTING
EXIST ROW
540' TAPER
320+00
325+00
CULVERT NO. 13
BEGIN PERMANENT WIDTH
BEGIN CONCRETE PVMT
END/BEGIN TRANSITION, LT
℄ US 377 STA 323+77.00
FLUSH MEDIAN
PROPOSED ROCK RIPRAP
BEGIN PROP ROW TAPER, RT
℄ US 377 STA 325+26.57
BEGIN TRANSITION, RT
END PROP ROW TAPER, RT
℄ US 377 STA 328+00.00
END/BEGIN TRANSITION, LT
℄ US 377 STA 329+17.00
324.3' TAPER
430' TAPER
PROP ROW
EXIST 3-5'X3' CULVERTS
℄ 1171S377 STA 2335+90.17
BEGIN US 377 WEST
END TRANSITION, LT
℄ US 377 STA 335+47.00
PROP SYSTEM 1 3-7'X5' MBC
377N1171-1
℄ 377N1171 STA 1334+71.26
BEGIN US 377 EAST
MBGF
COMBINATION BRIDGE RAIL
PROPOSED ROCK RIPRAP
EXIST 2-36" CULVERTS
377N1171-2
REMOVE EXISTING PAVEMENT
PROP 24" RCP
DUNHAM ROAD
DUNHAM RD
377N1171-3
330+00
1330+00
335+00
2330+00
2335+00
340+00
1340+00
1345+00
2340+00
2345+00
345+00
350+00
FM 1171
150' ROW
140' ROW
130' ROW
EXIST ROW
PROPOSED PAVEMENT REPLACE STORAGE LENGTH
PROPOSED PAVEMENT REMOVE MEDIAN
℄ 1171S377 STA 2347+20.90=
℄ 377S1171 STA 4347+65.39=
℄ FM 1171 STA 334+36.80
SIGNALIZED INTERSECTION
EXISTING 4-7'X3' CULVERT
℄ 1171S377 STA 2346+65.00
END US 377 WEST
℄ US 377 STA 346+76.00
BRIDGE BENT
℄ US 377 STA 345+76.00
BEGIN BRIDGE
℄ 1171S377
US 377 WEST
1171S377-1
PROP SYSTEM 1 4-7'X3' MBC
℄ 377S1171 STA 4348+13.53
BEGIN US 377 WEST
℄ US 377 STA 347+94.00
BRIDGE BENT
PROP CULVERT NO. 12 5'X3' MBC
℄ US 377 STA 348+94.00
END BRIDGE
PROP SYSTEM 1 3-7'X3' MBC
℄ 377S1171 STA 4356+19.23
END US 377 WEST
℄ 377S1171
US 377 WEST
377S1171-1
4350+00
4355+00
4360+00
355+00
360+00
3350+00
3355+00
3360+00
1171N377-1
1171N377-2
℄ US 377 STA 361+00.00
BEGIN TRANSITION, RT
℄ US 377 STA 360+58.00
540' TAPER
3RD LANE DROPPED AS RIGHT-ONLY TO SMOOT RD
3RD LANE ADDED AS RIGHT-ONLY FROM CANYON FALLS DR
℄ US 377
℄ 1171N377 STA 3357+73.13
END US 377 EAST
℄ 1171N377
US 377 EAST
℄ US 377 STA 347+34.90=
℄ FM 1171 STA 335+85.07
℄ 1171N377 STA 3347+37.31
BEGIN US 377 EAST
℄ 377N1171
US 377 EAST
℄ 377N1171 STA 1347+15.00
END US 377 EAST
℄ 377N1171 STA 1347+61.05=
℄ 1171N377 STA 3346+89.07=
℄ FM 1171 STA 337+44.20
SIGNALIZED INTERSECTION
℄ FM 1171
US 377
1
2
3
4
5
6
7
8
9
10
11
12

SEE ROLL 1 FOR FM 1171 TRAFFIC DATA
SEE ROLL 4 FOR FM 407 TRAFFIC DATA

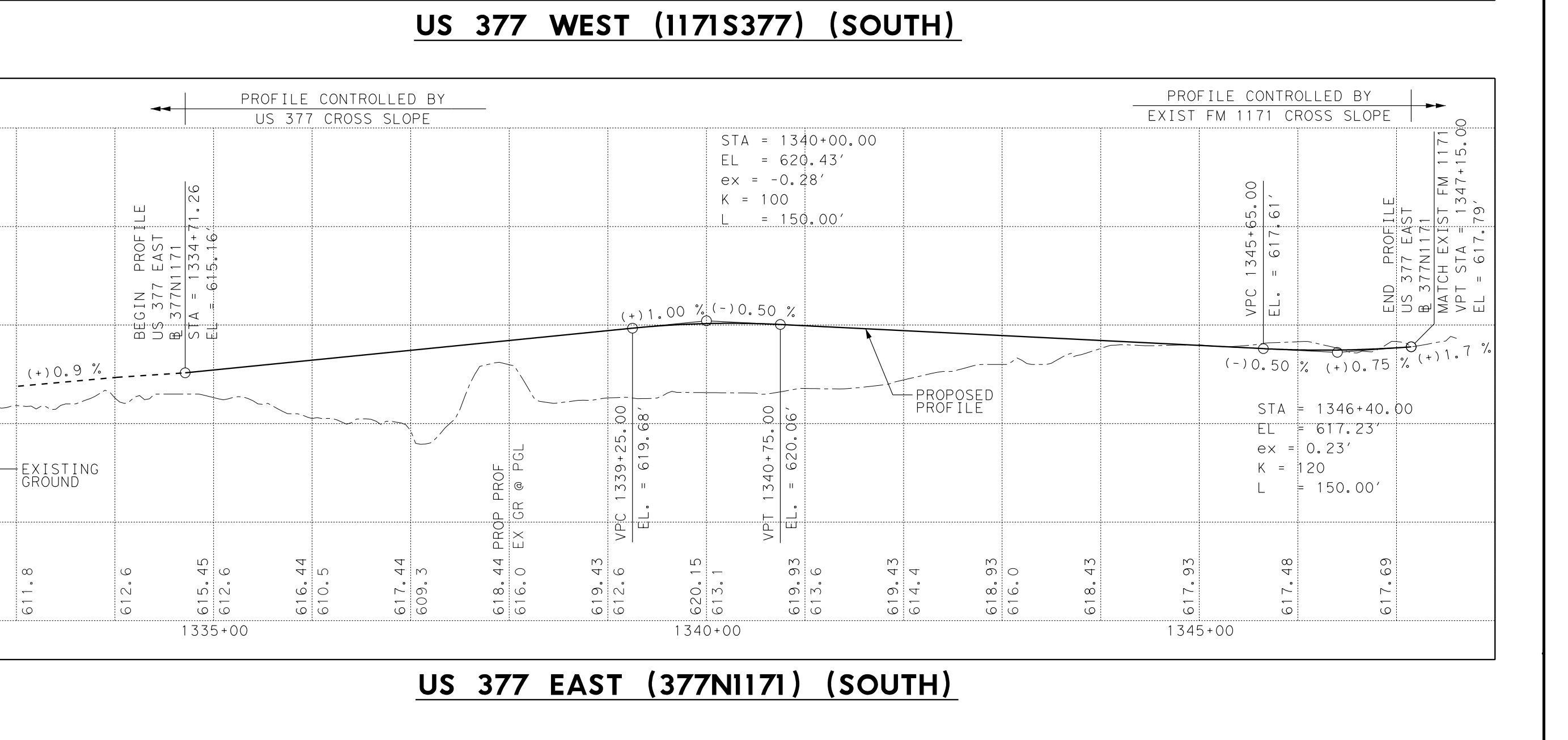
PLAN
US 377 OVER FM 1171


℄ US 377 STA = 523+67.66
℄ FM 407 STA = 13+17.25
SIGNALIZED INTERSECTION
UNION PACIFIC RAILROAD
EXIST ROW
US 377
FM407-1
377ARG-17
℄ FM 407 STA 6+45.05=
BEGIN CONCRETE PAVEMENT
END WIDENING & OVERLAY
END TRANSITION
5+00
10+00
FM 407
15+00
20+00
25+00
525+00
520+00
N 89° 26' 09.57" E
PROP ROW
RR ESMT
MIN
℄ FM 407 STA 12+71.15=
END CONSTRUCTION
℄ FM 407 STA 13+59.54=
BEGIN CONSTRUCTION
℄ FM 407 STA 3+35.00=
BEGIN CONSTRUCTION
BEGIN WIDENING & OVERLAY
BEGIN TRANSITION
℄ US 377
℄ FM 407 STA 20+70.00=
END CONCRETE PAVEMENT
BEGIN TRANSITION
BEGIN WIDENING & OVERLAY
℄ FM 407 STA 25+88.24=
END TRANSITION
END WIDENING & OVERLAY
END CONSTRUCTION
MATCH EXISTING
LIMITS OF FLOOD PLAIN
JOYCE DRIVE
36
37
38
39
40
41
42
43
44
45

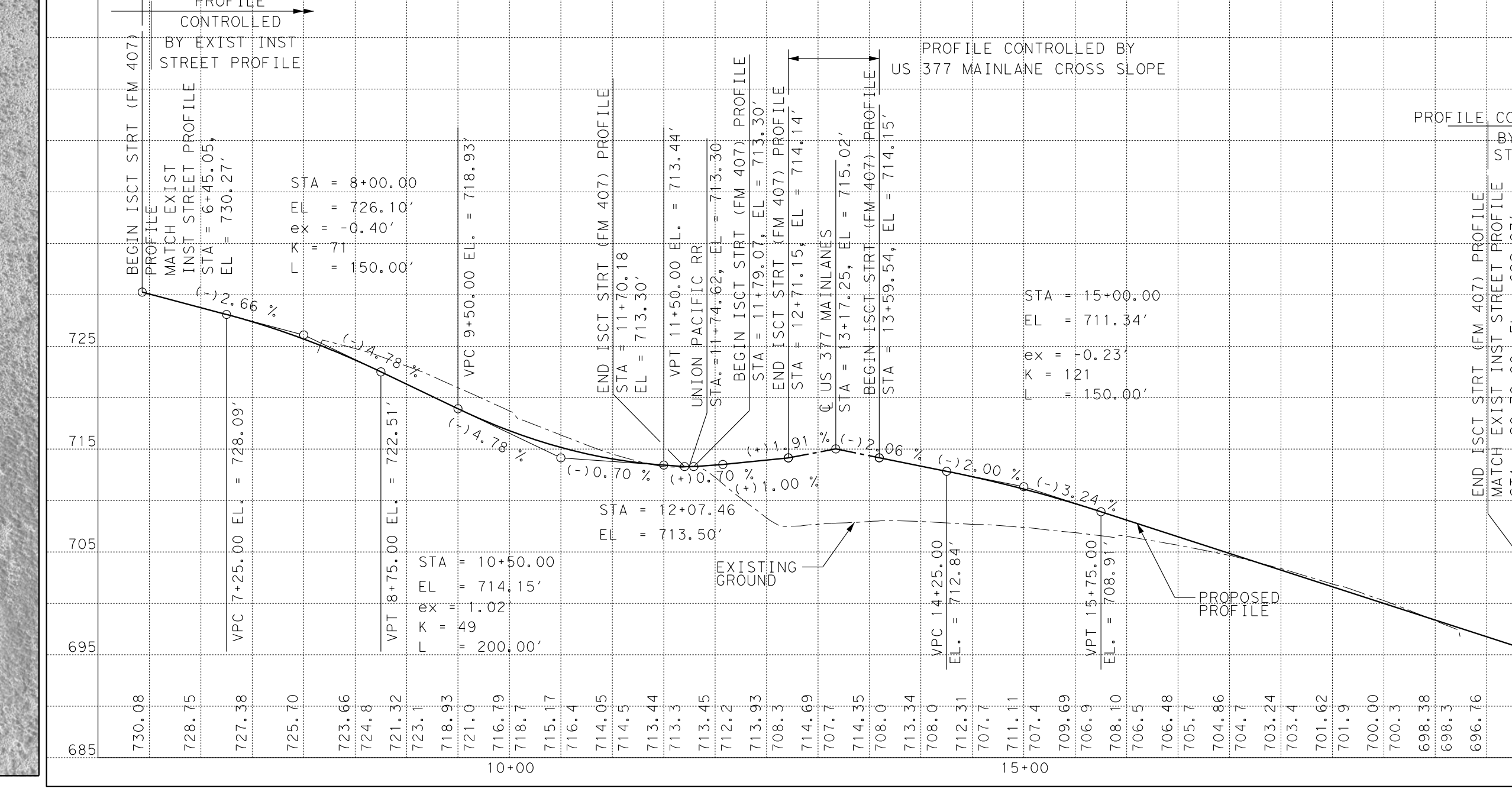
PLAN
FM 407



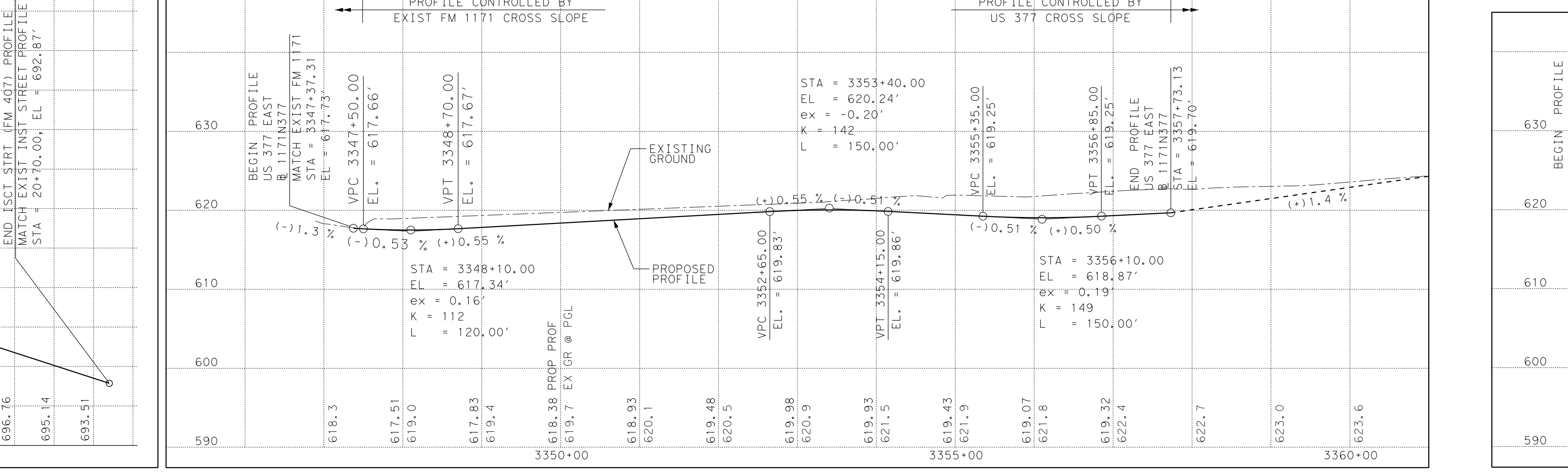
US 377 WEST (1171S377) (SOUTH)



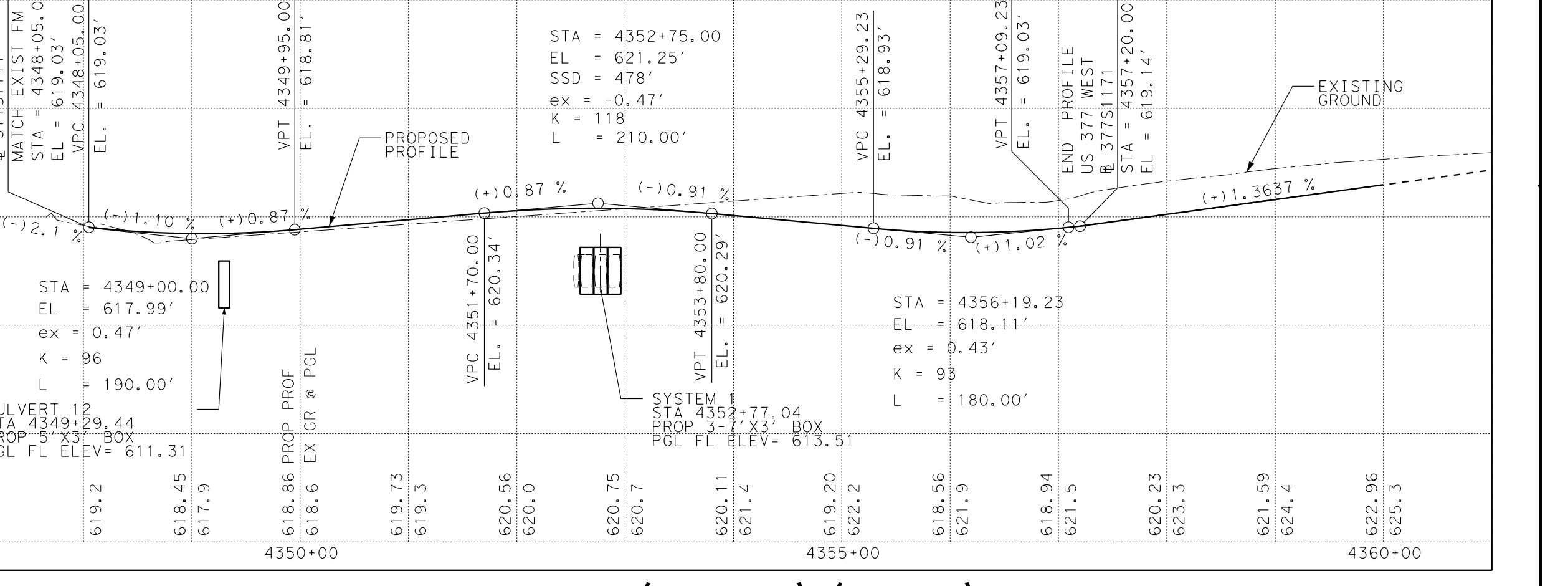
US 377 EAST (377N1171) (SOUTH)



FM 407



US 377 EAST (1171N377) (NORTH)



US 377 WEST (377S1171) (NORTH)

TEXAS DEPARTMENT OF TRANSPORTATION

DALLAS DISTRICT
JAMES K. (KELLY) SELMAN, P.E., DISTRICT ENGINEER

US 377
DESIGN SCHEMATIC

DENTON COUNTY, TEXAS

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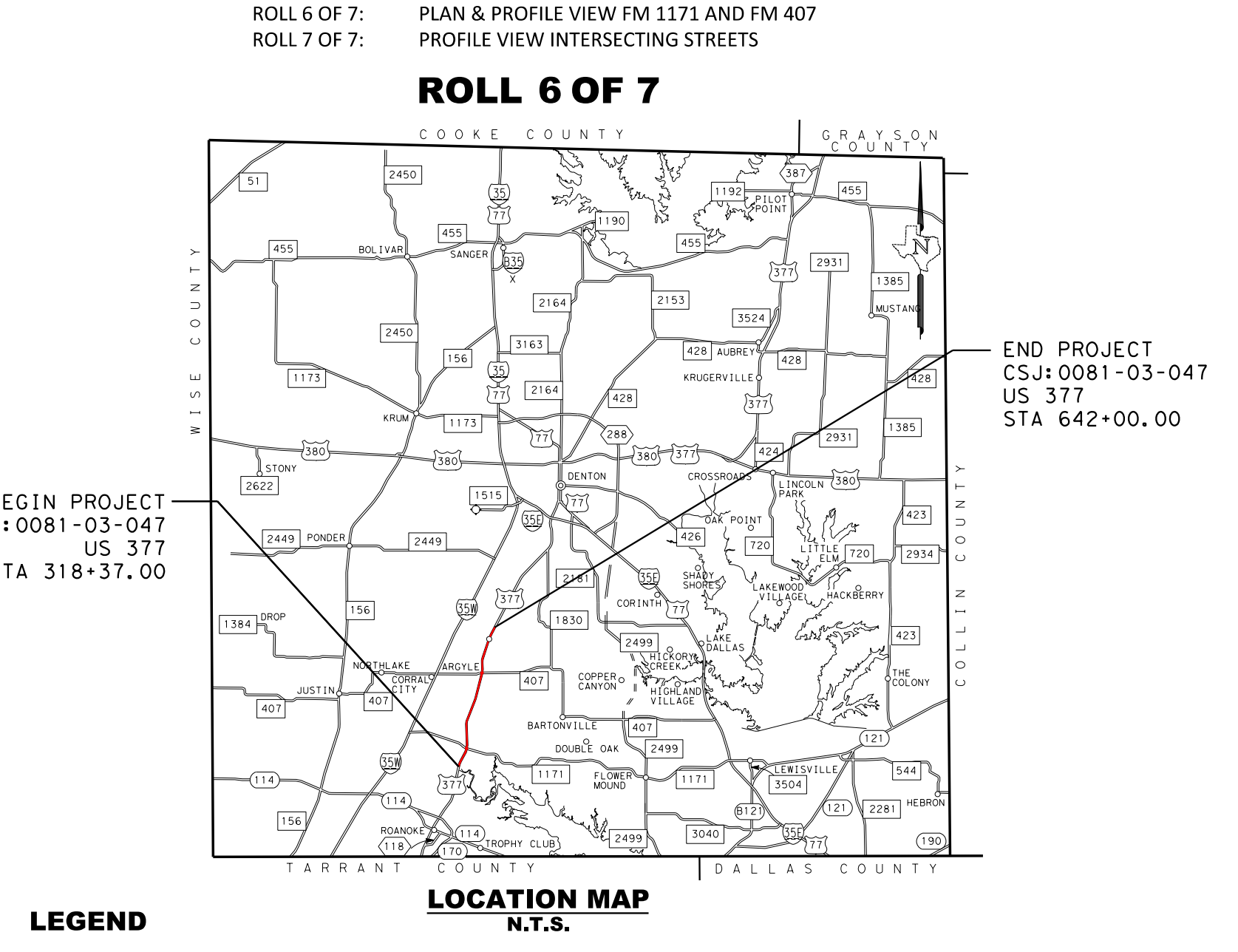
ROLL 6 OF 7


END PROJECT
CSJ: 0081-03-047
US 377
STA 642+00.00
BEGIN PROJECT
CSJ: 0081-03-047
US 377
STA 318+37.00
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GRAYSON COUNTY
WISE COUNTY
COLLIN COUNTY
TARRANT COUNTY
DALLAS COUNTY

LOCATION MAP
N.T.S.

LEGEND

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—··—··—	PROPOSED ROW	-- G --	GAS
—·—·—	PROPOSED DRAINAGE EASEMENT	-- OE --	OVERHEAD ELECTRIC
—·—·—	CENTERLINE/BASELINE	-- OH/FOC --	OVER HEAD / FIBER OPTIC CABLE
———	EXISTING PLANIMETRIC FEATURES	-- T --	TELECOM
— —	EXISTING CULVERT	-- E2 --	UNDERGROUND ELECTRIC
—·—·—	EXISTING PARCEL LINE	-- W --	WATER
———	PROPOSED RAILROAD EASEMENT	-- WW --	WASTE WATER
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▭	LIMITS OF FLOOD PLAIN	▭	EXISTING PAVEMENT TO REMAIN
—560—	EXISTING 5' INTERVAL CONTOUR	▭	ASPHALT OVERLAY EXISTING PAVEMENT
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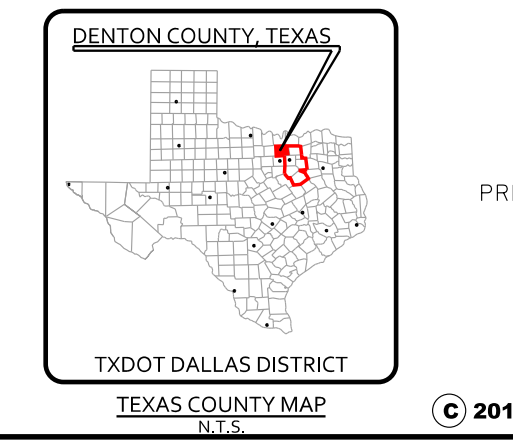
●—	PROPOSED RR. SIGNAL & GATE	▨	PROPOSED ROCK RIPRAP


DENTON COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

0 100 200
HORIZONTAL
0 10 20
VERTICAL
GRAPHIC SCALES IN FEET

PREPARED BY JACOBS ENGINEERING GROUP, INC.
REGISTRATION F-2966
UNDER THE SUPERVISION OF
DEBORAH F. NEUBERT, P.E.
Deborah F. Neubert 1/09/18
LICENSE NO. 83059 DATE

JACOBS
1999 BRYAN STREET, SUITE 1200
DALLAS, TX 75201-3136
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