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

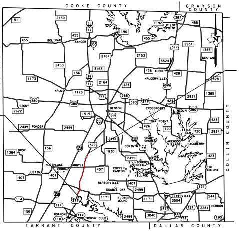
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
US 377, FM 1171, US 377 EAST, US 377 WEST	45 MPH	URBAN PRINCIPAL ARTERIAL
FM 407	45 MPH	URBAN MINOR ARTERIAL
COUNTRY CLUB ROAD, CRAWFORD ROAD	35 MPH	URBAN MINOR ARTERIAL
CANYON FALLS DRIVE, FRENCH TOWN ROAD, OLD JUSTIN ROAD, DENTON STREET	35 MPH	URBAN COLLECTOR
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 2 OF 7

BEGIN PROJECT
CSJ: 0081-03-047
US 377
STA 318+37.00

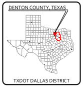

COOKE COUNTY
GRAYSON COUNTY
WISE COUNTY
COLLIN COUNTY
TARRANT COUNTY
DALLAS COUNTY
SANGER
BOLIVAR
PILOT POINT
AUBREY
KRUGERVILLE
KRUM
DENTON
CROSSROADS
LINCOLN PARK
OAK POINT
LITTLE ELM
SHADY SHORES
LAKEWOOD VILLAGE
HACKBERRY
CORINTH
LAKE DALLAS
HICKORY CREEK
THE COLONY
HIGHLAND VILLAGE
COPPER CANYON
ARGYLE
NORTHLAKE
JUSTIN
BARTONVILLE
DOUBLE OAK
FLOWER MOUND
LEWISVILLE
HEBRON
ROANOKE
TROPHY CLUB
PONDER
STONY
DROP
MUSTANG
CORRAL CITY

END PROJECT
CSJ: 0081-03-047
US 377
STA 642+00.00

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 1/9/18
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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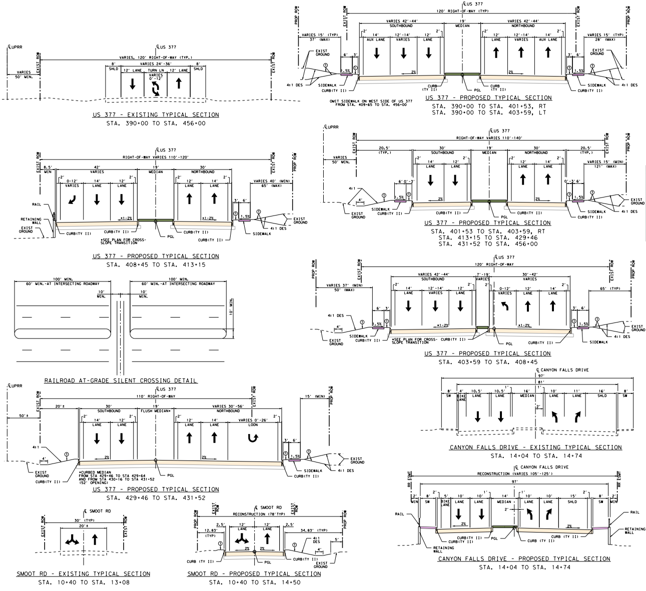

℄ UPRR
℄ US 377
EXIST ROW
PROP ROW
VARIES, 120' RIGHT-OF-WAY (TYP.)
VARIES 24'-36'
SHLD
12' LANE
TURN LN
VARIES 0'-12'
120' RIGHT-OF-WAY (TYP)
VARIES 42'-44'
SOUTHBOUND
NORTHBOUND
19' MEDIAN
AUX LANE
LANE
VARIES
EXIST GROUND
SIDEWALK
CURB (TY II)
PGL
4:1 DES
OMIT SIDEWALK ON WEST SIDE OF US 377 FROM STA. 409+65 TO STA. 456+00
RIGHT-OF-WAY VARIES 110'-120'
RIGHT-OF-WAY VARIES 110'-140'
RAIL
RETAINING WALL
*SEE PLAN FOR CROSS-SLOPE TRANSITION
100' MIN.
60' MIN.-AT INTERSECTING ROADWAY
10' MIN.
110' RIGHT-OF-WAY
FLUSH MEDIAN*
VARIES 30'-56'
VARIES 0'-26'
LOON
*CURBED MEDIAN FROM STA 429+46 TO STA 429+64 AND FROM STA 430+16 TO STA 431+52 (52' OPENING)
℄ CANYON FALLS DRIVE
97'
81'
SW
BIKE LANE
MEDIAN
SHLD
RECONSTRUCTION (VARIES 105'-125')
RR ESMT
℄ SMOOT RD
30' (TYP)
20'±
RECONSTRUCTION (78' TYP)
34.83' (TYP)
12.83' (TYP)

US 377 - EXISTING TYPICAL SECTION
STA. 390+00 TO STA. 456+00

US 377 - PROPOSED TYPICAL SECTION
STA. 390+00 TO STA. 401+53, RT
STA. 390+00 TO STA. 403+59, LT

US 377 - PROPOSED TYPICAL SECTION
STA. 408+45 TO STA. 413+15

US 377 - PROPOSED TYPICAL SECTION
STA. 401+53 TO STA. 403+59, RT
STA. 413+15 TO STA. 429+46
STA. 431+52 TO STA. 456+00

RAILROAD AT-GRADE SILENT CROSSING DETAIL

US 377 - PROPOSED TYPICAL SECTION
STA. 403+59 TO STA. 408+45

CANYON FALLS DRIVE - EXISTING TYPICAL SECTION
STA. 14+04 TO STA. 14+74

US 377 - PROPOSED TYPICAL SECTION
STA. 429+46 TO STA. 431+52

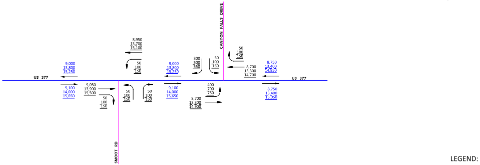
CANYON FALLS DRIVE - PROPOSED TYPICAL SECTION
STA. 14+04 TO STA. 14+74

SMOOT RD - EXISTING TYPICAL SECTION
STA. 10+40 TO STA. 13+08

SMOOT RD - PROPOSED TYPICAL SECTION
STA. 10+40 TO STA. 14+50

① TOPSOIL AND SEED

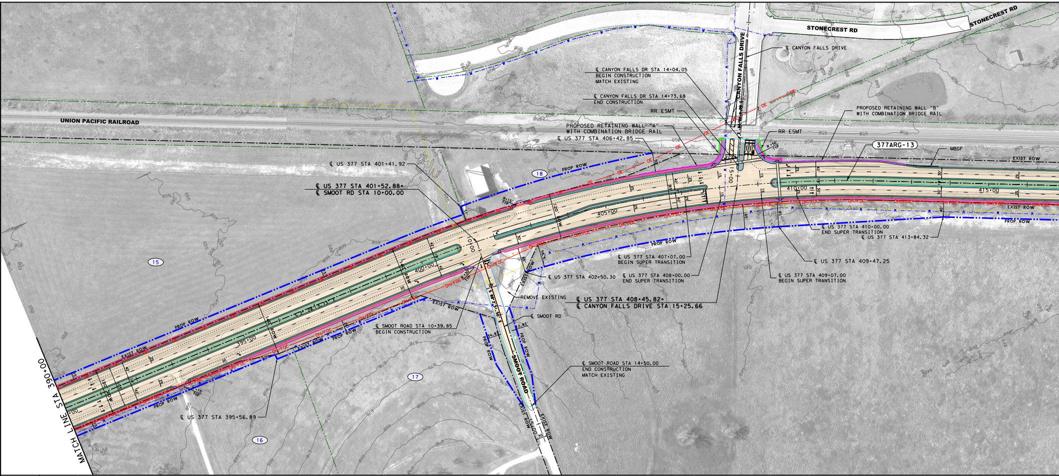
TYPICAL SECTIONS [N.T.S.]

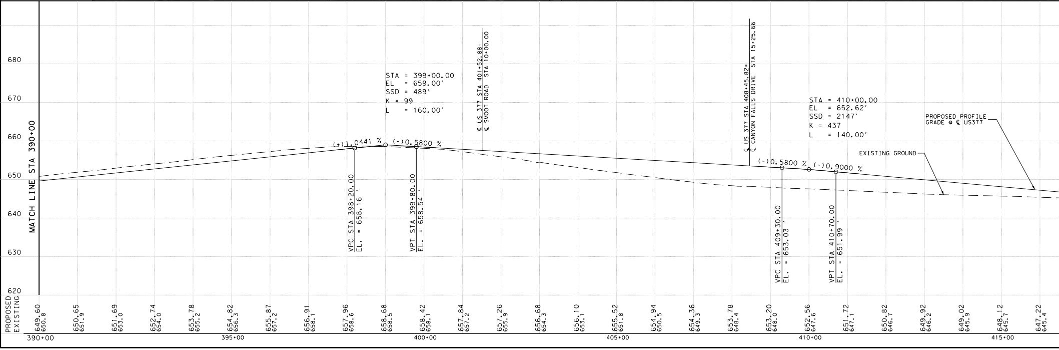

US 377
US 377
CANYON FALLS DRIVE
SMOOT RD
9,000
13,800
15,250
9,100
14,000
15,650
9,050
13,900
15,500
50
100
150
8,950
13,700
15,100
50
100
150
50
100
150
50
100
150
9,000
13,800
15,250
9,100
14,000
15,650
300
500
550
50
100
150
400
700
750
8,700
13,300
14,900
50
100
150
8,700
13,300
14,700
8,750
13,400
14,850
8,750
13,400
15,050

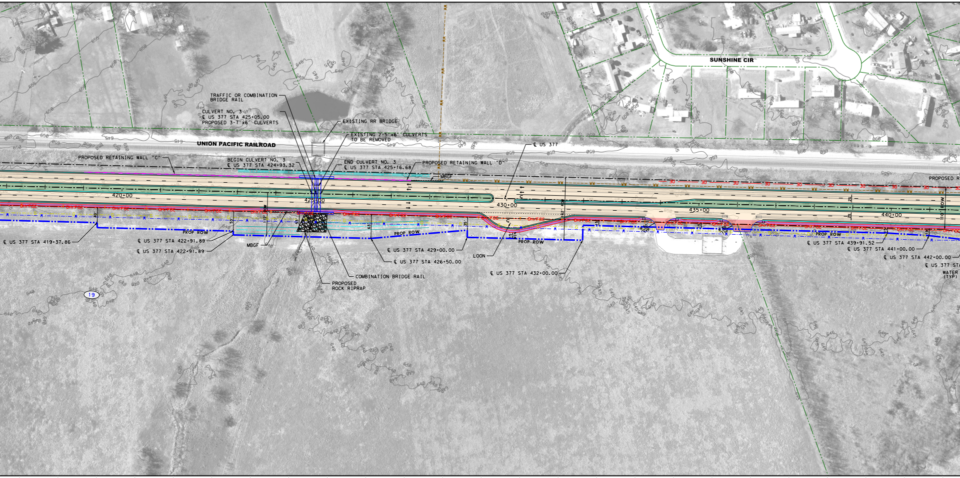
TRAFFIC DATA SOURCE:
TP&P DIVISION MEMORANDUM
DATED JANUARY 29, 2016

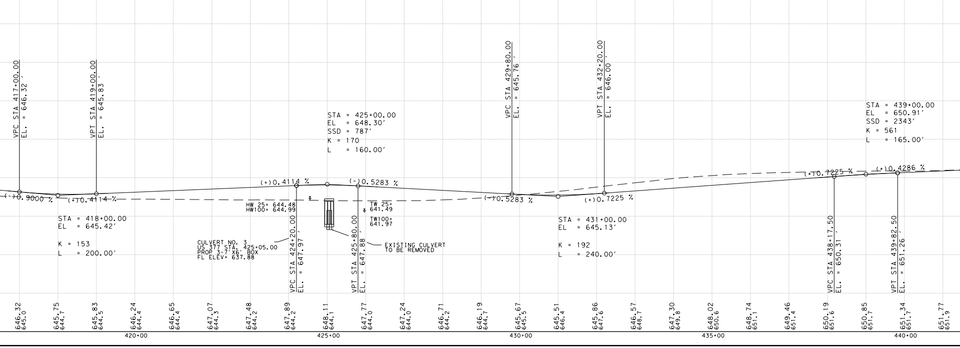
TRAFFIC LINE DIAGRAM [N.T.S.]

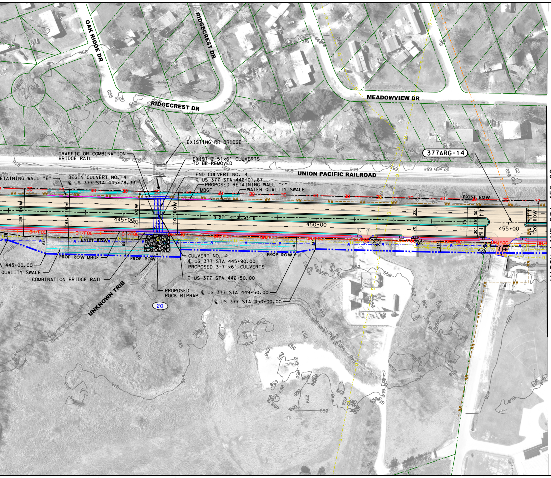
LEGEND:
2020 ADT
2040 ADT
2050 ADT

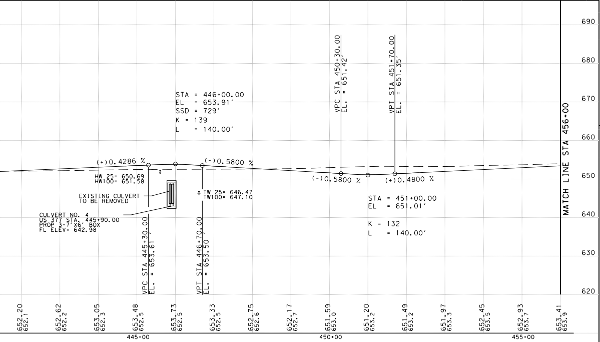

UNION PACIFIC RAILROAD
STONECREST RD
STONECREST RD
CANYON FALLS DRIVE
℄ CANYON FALLS DRIVE
℄ CANYON FALLS DR STA 14+04.05
BEGIN CONSTRUCTION
MATCH EXISTING
℄ CANYON FALLS DR STA 14+73.68
END CONSTRUCTION
RR ESMT
RR ESMT
PROPOSED RETAINING WALL "A"
WITH COMBINATION BRIDGE RAIL
℄ US 377 STA 406+42.85
PROPOSED RETAINING WALL "B"
WITH COMBINATION BRIDGE RAIL
377ARG-13
MBGF
R=50' TYP
EXIST ROW
PROP ROW
℄ US 377 STA 401+41.92
℄ US 377 STA 401+52.88=
℄ SMOOT RD STA 10+00.00
18
15
16
17
OE
OH/FOC
120' ROW
405+00
410+00
415+00
400+00
395+00
15+00
10+00
℄ US 377 STA 410+00.00
END SUPER TRANSITION
℄ US 377 STA 413+84.32
℄ US 377 STA 409+47.25
℄ US 377 STA 407+07.00
BEGIN SUPER TRANSITION
℄ US 377 STA 402+50.30
℄ US 377 STA 408+00.00
END SUPER TRANSITION
℄ US 377 STA 409+07.00
BEGIN SUPER TRANSITION
REMOVE EXISTING
℄ US 377 STA 408+45.82=
℄ CANYON FALLS DRIVE STA 15+25.66
℄ SMOOT RD
℄ SMOOT ROAD STA 10+39.85
BEGIN CONSTRUCTION
SMOOT ROAD
℄ SMOOT ROAD STA 14+50.00
END CONSTRUCTION
MATCH EXISTING
℄ US 377 STA 395+56.89
R=15' TYP
MATCH LINE STA 390+00




SUNSHINE CIR
TRAFFIC OR COMBINATION BRIDGE RAIL
CULVERT NO. 3
℄ US 377 STA 425+05.00
PROPOSED 3-7'x6' CULVERTS
EXISTING RR BRIDGE
EXISTING 2-5'x6' CULVERTS TO BE REMOVED
UNION PACIFIC RAILROAD
℄ US 377
PROPOSED RETAINING WALL "C"
BEGIN CULVERT NO. 3
℄ US 377 STA 424+93.32
END CULVERT NO. 3
℄ US 377 STA 425+16.68
PROPOSED RETAINING WALL "D"
MBGF
PROPOSED R
420+00
425+00
430+00
435+00
440+00
OH/FOC
PROP ROW
℄ US 377 STA 419+37.86
℄ US 377 STA 422+91.89
℄ US 377 STA 422+91.89
MBGF
℄ US 377 STA 429+00.00
℄ US 377 STA 426+50.00
LOON
℄ US 377 STA 432+00.00
COMBINATION BRIDGE RAIL
PROPOSED ROCK RIPRAP
℄ US 377 STA 439+91.52
℄ US 377 STA 441+00.00
℄ US 377 STA 442+00.00
℄ US 377 STA
WATER (TYP)
19


VPC STA 417+00.00
EL. = 646.32'
VPT STA 419+00.00
EL. = 645.83'
(-)0.9000 %
(+)0.4114 %
STA = 418+00.00
EL = 645.42'
K = 153
L = 200.00'
STA = 425+00.00
EL = 648.30'
SSD = 787'
K = 170
L = 160.00'
(+)0.4114 %
(-)0.5283 %
HW 25= 644.48
HW100= 644.99
TW 25= 641.49
TW100= 641.97
CULVERT NO. 3
US 377 STA. 425+05.00
PROP 3-7'X6' BOX
FL ELEV= 637.88
VPC STA 424+20.00
EL. = 647.97'
VPT STA 425+80.00
EL. = 647.88'
EXISTING CULVERT TO BE REMOVED
VPC STA 429+80.00
EL. = 645.76'
VPT STA 432+20.00
EL. = 646.00'
(-)0.5283 %
(+)0.7225 %
STA = 431+00.00
EL = 645.13'
K = 192
L = 240.00'
STA = 439+00.00
EL = 650.91'
SSD = 2343'
K = 561
L = 165.00'
(+)0.7225 %
(+)0.4286 %
VPC STA 438+17.50
EL. = 650.31'
VPT STA 439+82.50
EL. = 651.26'
646.32 645.0
645.75 644.7
645.83 644.5
646.24 644.4
646.65 644.4
647.07 644.3
647.48 644.2
647.89 644.2
648.11 644.1
647.77 644.0
647.24 644.0
646.71 644.2
646.19 644.7
645.67 645.5
645.51 646.4
645.86 647.6
646.57 648.7
647.30 649.8
648.02 650.6
648.74 651.1
649.46 651.4
650.19 651.6
650.85 651.7
651.34 651.7
651.77 651.9
420+00
425+00
430+00
435+00
440+00


OAK RIDGE DR
RIDGECREST DR
RIDGECREST DR
MEADOWVIEW DR
EXISTING RR BRIDGE
TRAFFIC OR COMBINATION BRIDGE RAIL
EXIST 2-5'x6' CULVERTS TO BE REMOVED
377ARG-14
UNION PACIFIC RAILROAD
ETAINING WALL "E"
BEGIN CULVERT NO. 4 ℄ US 377 STA 445+78.33
END CULVERT NO. 4 ℄ US 377 STA 446+01.67
PROPOSED RETAINING WALL "F"
MBGF
WATER QUALITY SWALE
EXIST ROW
125' ROW
168.5' ROW
125' ROW
110' ROW
120' ROW
445+00
450+00
455+00
S 21° 19' 46.43" E
OH/FOC
EXIST ROW
PROP ROW MBGF
PROP ROW
PROP ROW
A 443+00.00
QUALITY SWALE
COMBINATION BRIDGE RAIL
CULVERT NO. 4 ℄ US 377 STA 445+90.00 PROPOSED 3-7'x6' CULVERTS
℄ US 377 STA 446+50.00
PROPOSED ROCK RIPRAP
℄ US 377 STA 449+50.00
℄ US 377 STA 450+00.00
UNKNOWN TRIB
20
MATCH LINE STA 456+00



CENTERLINE US 377 CURVE DATA

CURVE NAME	P.I. STATION	P.I. COORDINATE-N	P.I. COORDINATE-E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	P.C. STATION	P.T. STATION
377ARG-12	346+46.66	7,069,925.95	2,366,644.00	30° 30' 44.39" LT	3,700.00'	1° 32' 54.72"	1,009.16'	1,970.40'	336+37.49	356+07.89
377ARG-13	405+95.08	7,075,916.74	2,366,385.76	23° 47' 52.15" RT	3,000.00'	1° 54' 35.49"	632.14'	1,246.05'	399+62.94	412+09.00
377ARG-14	460+30.52	7,080,996.85	2,368,369.44	7° 15' 35.68" LT	12,000.00'	0° 28' 38.87"	761.27'	1,520.51'	452+69.25	467+89.76
377ARG-15	491+52.80	7,084,027.44	2,369,128.96	0° 19' 43.19" LT	5,500.00'	1° 02' 30.27"	15.77'	31.55'	491+37.02	491+68.57
377ARG-16	514+96.09	7,086,303.67	2,369,685.57	1° 10' 16.81" RT	5,500.00'	1° 02' 30.27"	56.22'	112.44'	514+39.87	515+52.31
377ARG-17	524+29.22	7,087,205.37	2,369,925.70	12° 53' 00.48" LT	2,500.00'	2° 17' 30.59"	282.26'	562.15'	521+46.96	527+09.11
377ARG-18	532+12.00	7,087,990.04	2,369,953.50	5° 26' 32.84" LT	7,500.00'	0° 45' 50.20"	356.48'	712.42'	528+55.52	535+67.94
377ARG-19	552+39.32	7,090,014.29	2,369,832.76	21° 17' 22.72" RT	3,110.00'	1° 50' 32.31"	584.54'	1,155.60'	546+54.78	558+10.37
377ARG-20	607+04.69	7,095,228.65	2,371,514.54	9° 36' 45.13" RT	4,650.00'	1° 13' 55.80"	390.98'	780.13'	603+13.71	610+93.84

PARCEL NO.	TAX ID	OWNER'S NAME	OWNER'S ADDRESS	SITUS ADDRESS	ACRES	DEED
16	67274	FREEMAN, ORRIC & CAROLE TRUSTEES OF FREEMAN LIVING TRUST	PO BOX 57, ARGYLE, TX, 76226	5800 S US 377, ARGYLE, TX, 76226	39.2670	2010-52504
17	154820	FREEMAN, ORRIC & CAROLE TRUSTEES OF FREEMAN LIVING TRUST	PO BOX 57, ARGYLE, TX, 76226	10655 SMOOT RD, ARGYLE, TX, 76226	15.3310	2010-52504
18	64937	KYSER, TIM & ADRI FAMILY LP	3212 PECAN MEADOWS DR, FLOWER MOUND, TX, 75028	6101 US 377, ARGYLE, TX, 76226	1.3800	03-146549
19	64581	OLD WR RANCH I LP	5001 SPRING VALLEY RD STE 1040E, DALLAS, TX, 75244	S US 377, ARGYLE, TX, 76226	133.1500	00-41222
20	67590	OLD WR RANCH I LP	5001 SPRING VALLEY RD STE 1040E, DALLAS, TX, 75244	S US 377, ARGYLE, TX, 76226	31.0560	00-0037965

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

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ALL OTHER ROADWAYS	35 MPH	LOCAL STREETS

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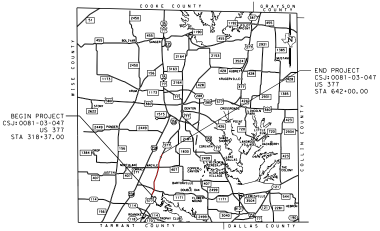
ROLL 7 OF 7:	PROFILE VIEW INTERSECTING STREETS

ROLL 2 OF 7


COOKE COUNTY
GRAYSON COUNTY
WISE COUNTY
COLLIN COUNTY
TARRANT COUNTY
DALLAS COUNTY
N
BOLIVAR
SANGER
PILOT POINT
MUSTANG
AUBREY
KRUGERVILLE
KRUM
STONY
DENTON
CROSSROADS
LINCOLN PARK
OAK POINT
LITTLE ELM
PONDER
SHADY SHORES
LAKEWOOD VILLAGE
HACKBERRY
CORINTH
DROP
LAKE DALLAS
HICKORY CREEK
COPPER CANYON
HIGHLAND VILLAGE
THE COLONY
NORTHLAKE
ARGYLE
CORRAL CITY
JUSTIN
BARTONVILLE
DOUBLE OAK
FLOWER MOUND
LEWISVILLE
HEBRON
ROANOKE
TROPHY CLUB
51
2450
35
77
1190
1192
387
455
35E
2164
2153
3524
2931
1385
3163
156
428
1173
288
380
377
424
2622
1515
35E
2449
426
720
2934
423
2181
1830
1384
35W
2499
407
121
1171
3504
544
114
2281
118
170
3040
2499
190

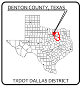
BEGIN PROJECT
CSJ: 0081-03-047
US 377
STA 318+37.00

END PROJECT
CSJ: 0081-03-047
US 377
STA 642+00.00

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.

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HORIZONTAL
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 1/9/18
LICENSE NO. 83059 DATE

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