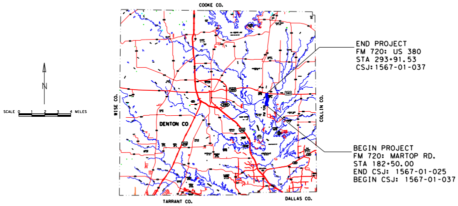
Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC

WILLIAM L. HALE, P.E., DISTRICT ENGINEER
DENTON COUNTY
FARM TO MARKET ROAD 720
PROJECT LIMIT: 360' SOUTH OF MARTOP ROAD
TO US 380
CONTROL: 1567-01-037
US 380 FUNCTIONAL CLASS: PRINCIPLE URBAN ARTERIAL
DESIGN SPEED: 60 mph
FM 720 FUNCTIONAL CLASS: URBAN MINOR ARTERIAL
DESIGN SPEED: 40 mph FM 720
30 mph Side Streets
PROJECT LENGTH = 2.111 MI.


COOKE CO.
N
SCALE 0 1 2 3 4 MILES
WISE CO.
DENTON CO
COLLIN CO.
TARRANT CO.
DALLAS CO.

END PROJECT
FM 720: US 380
STA 293+91.53
CSJ: 1567-01-037

BEGIN PROJECT
FM 720: MARTOP RD.
STA 182+50.00
END CSJ: 1567-01-025
BEGIN CSJ: 1567-01-037

LOCATION MAP

FEBRUARY 2014
SCALE: 1"=100' H, 1"=10'V
ROLL 2 OF 3

APPROVED SCHEMATIC NOT FOR CONSTRUCTION

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
NELSON L. UNDERWOOD	*91203*	*04/28/2014*

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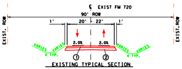
LEGEND

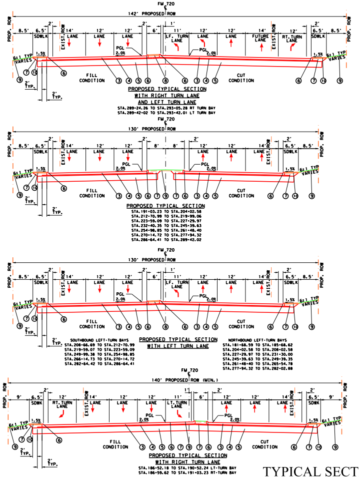
NB-15	PROPERTY OWNER LABEL
⬡1	CURVE NO. LABEL
— · —	EXISTING ROW
▬ · · ▬	PROPOSED ROW
→	DIRECTION OF TRAFFIC
— - —	EXISTING PROPERTY LINE
— - —	EXISTING LOT LINE
▨	ROADWAY REMOVAL
▨	BUILDING REMOVAL
═	EXISTING STORM SEWER
—	EXISTING CONTOURS
—	EXISTING PAVEMENT EDGES
— — —	EXISTING UTILITY EASEMENTS
▨	EXISTING 100-YEAR FLOODPLAIN
— · —	PROPOSED CENTERLINE
— · · —	PROPOSED DRAINAGE EASEMENT
🟩	PROPOSED STORM SEWER
▭	PROPOSED R.O.W. ACQUISITION
🟧	PROPOSED PAVEMENT
🟥	PROPOSED CONC. SIDE STREET PAV.
🟦	PROPOSED ASPH. SIDE STREET PAV.
🟧	PROPOSED DRIVEWAY APPROAH PAV.
🟥	PROPOSED CONC. DRIVEWAY PAVE.
🟦	PROPOSED ASPH. DRIVEWAY PAVE.
🟨	PROPOSED SIDEWALK
🟪	PROPOSED PAVED MEDIAN

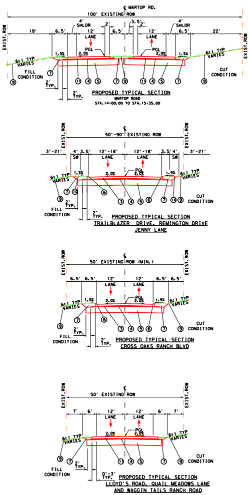

EXIST. FM 720
90' ROW
1'
20'
22'
1'
EXIST. ROW
2.0%
2.0%
VARIES
4' TYP.
1
2

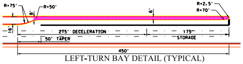
EXISTING TYPICAL SECTION

LEGEND

1.) EXIST. TWO COURSE HOT MIX SURF. TREATMENT (PER ASBUILT) - 4 ¼"
2.) EXIST. 82 CY. PER STA. ROADBED TREATMENT (PER ASBUILT) - 4 ¼"
3.) CRCP
4.) HMAC (TY B) BASE
5.) LIME TREATED SUBGRADE
6.) TYPE II CURB (MONO)
7.) BACKFILL
8.) CONCRETE MEDIAN
9.) BLOCK SOD
10.) CONC. SIDEWALK
11.) ASPHALT PAVEMENT

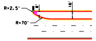

FM 720
142' PROPOSED ROW
PROP. ROW
EXIST. ROW
8.5'
6.5'
SDWLK
14'
12'
LANE
LF. TURN LANE
FUTURE LANE
RT. TURN LANE
PGL
2.0%
1.5%
6:1 TYP VARIES
2' TYP.
FILL CONDITION
CUT CONDITION
PROPOSED TYPICAL SECTION
WITH RIGHT TURN LANE
AND LEFT TURN LANE
STA.289+24.26 TO STA.293+05.28 RT TURN BAY
STA.289+42+02 TO STA.293+42.01 LT TURN BAY
130' PROPOSED ROW
8'
PROPOSED TYPICAL SECTION
STA.191+03.23 TO STA.204+02.58
STA.212+70.99 TO STA.219+99.06
STA.223+59.09 TO STA.227+29.97
STA.232+40.35 TO STA.245+39.63
STA.254+98.85 TO STA.261+48.40
STA.270+14.72 TO STA.277+94.32
STA.286+64.41 TO STA.289+42.02
SOUTHBOUND LEFT-TURN BAYS
STA.208+66.69 TO STA.212+70.99
STA.219+59.07 TO STA.223+59.09
STA.249+99.38 TO STA.254+98.85
STA.266+14.73 TO STA.270+14.72
STA.282+64.42 TO STA.286+64.41
PROPOSED TYPICAL SECTION
WITH LEFT TURN LANE
NORTHBOUND LEFT-TURN BAYS
STA.181+68.59 TO STA.185+68.62
STA.204+02.58 TO STA.208+02.58
STA.227+29.97 TO STA.231+30.00
STA.245+39.63 TO STA.249+39.35
STA.261+48+40 TO STA.265+54.78
STA.277+94.32 TO STA.282+02.88
140' PROPOSED ROW (MIN.)
9'
LT. TURN LANE
PROPOSED TYPICAL SECTION
WITH RIGHT TURN LANE
STA.186+52.18 TO STA.190+52.24 LT-TURN BAY
STA.186+59.62 TO STA.191+03.23 RT-TURN BAY


MARTOP RD.
100' EXISTING ROW
EXIST. ROW
19'
6.5'
4' SHLDR
12' LANE
22'
PGL
2.0%
1.5%
6:1 TYP VARIES
FILL CONDITION
CUT CONDITION
2' TYP.
PROPOSED TYPICAL SECTION
MARTOP ROAD
STA.14+00.00 TO STA.15+35.00
50'-90' EXISTING ROW
3'-21'
12'-18'
SW
LANE
PROPOSED TYPICAL SECTION
TRAILBLAZER DRIVE, REMINGTON DRIVE
JENNY LANE
50' EXISTING ROW (MIN.)
PROPOSED TYPICAL SECTION
CROSS OAKS RANCH BLVD
50' EXISTING ROW
7'
6'
0'-3' TYP.
PROPOSED TYPICAL SECTION
LLOYD'S ROAD, QUAIL MEADOWS LANE
AND WAGGIN TAILS RANCH ROAD

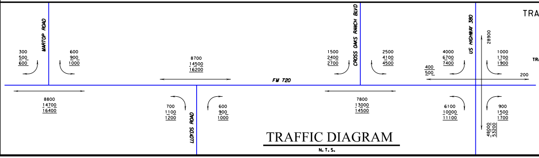

R=75'
R=50'
R=2.5'
R=70'
16'
6'
8'
275' DECELERATION
175' STORAGE
50' TAPER
450'

LEFT-TURN BAY DETAIL (TYPICAL)

TYPICAL SECTIONS



MEDIAN NOSE DETAIL (TYPICAL)


MARTOP ROAD
300
500
600
600
900
1000
8800
14700
16400
8700
14500
16200
700
1100
1200
LLOYDS ROAD
600
900
1000
FM 720
CROSS OAKS RANCH BLVD
1500
2400
2700
2500
4100
4500
7800
13000
14500
US HIGHWAY 380
4000
6700
7400
400
500
6100
10000
11100
28900
1000
1700
1900
200
900
1500
1700
48000
53200

TRAFFIC DIAGRAM
N.T.S.

TRAFFIC VOLUME DIAGR
OF FM 720

BASED ON DATA OBTAINED FROM
TRANSPORTATION PLANNING AND PROGRAMMI
TXDOT, AUSTIN, TEXAS

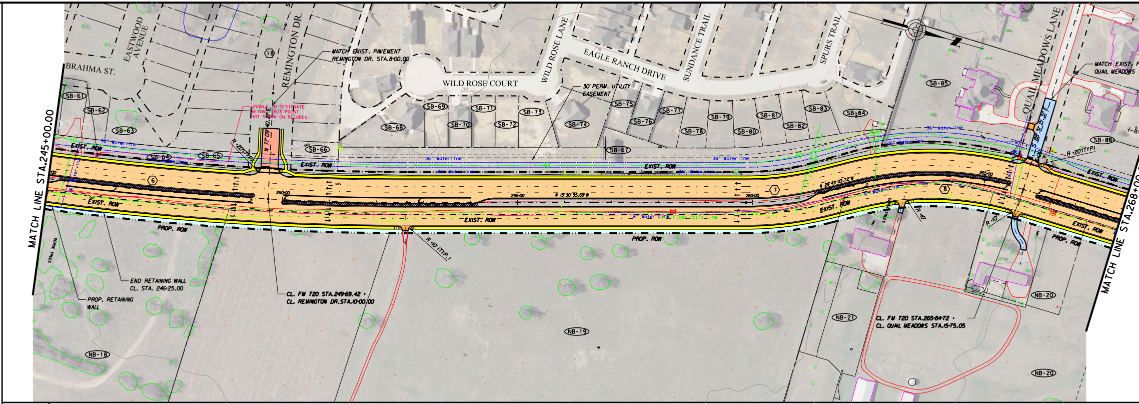
LEGEND

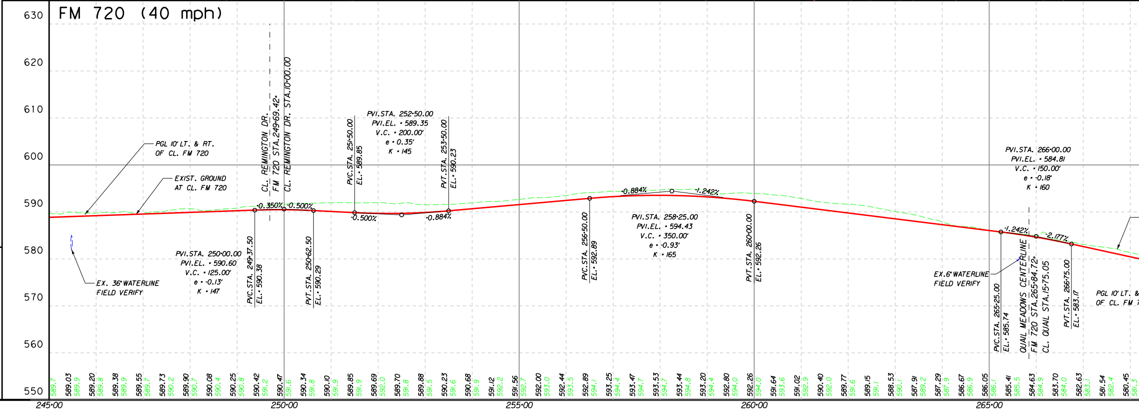
1,000 - 2014
1,000 - 2034
1,000 - 2044

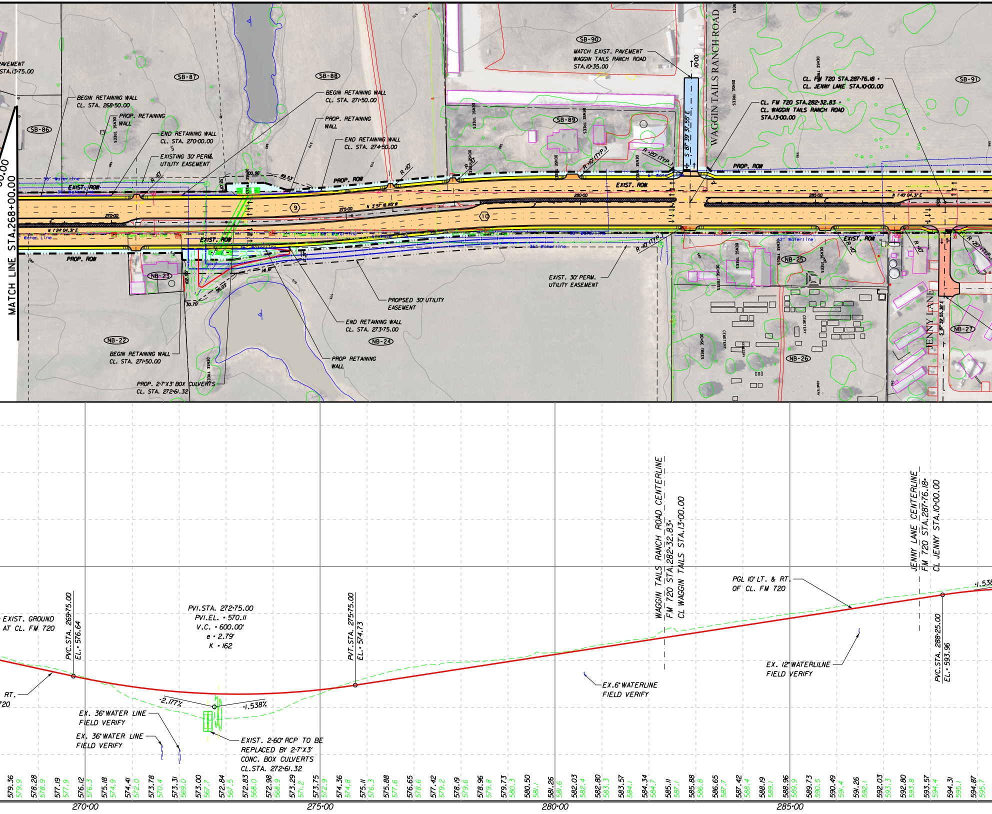
AM

NG

ADT
ADT
ADT


MATCH LINE STA.245+00.00
MATCH LINE STA.268+00
BRAHMA ST.
EASTWOOD AVENUE
REMINGTON DR.
WILD ROSE COURT
WILD ROSE LANE
EAGLE RANCH DRIVE
SUNDANCE TRAIL
SPURS TRAIL
QUAIL MEADOWS LANE
MATCH EXIST. PAVEMENT
REMINGTON DR. STA.8+00.00
MATCH EXIST. PAVEMENT QUAIL MEADOWS
UNABLE TO DESIGNATE BEYOND THIS POINT NOT SHOWN ON RECORDS
30' PERM. UTILITY EASEMENT
EXIST. ROW
PROP. ROW
36" Water Line
6" Water Line
Fiber Optic Line
N 15°30'55.69" W
N 29°43'03.72" W
R =20'(TYP)
R =10'(TYP.)
R =10'
250+00
255+00
260+00
265+00
6
7
8
18
SB-61
SB-62
SB-63
SB-64
SB-65
SB-66
SB-67
SB-68
SB-69
SB-70
SB-71
SB-72
SB-73
SB-74
SB-75
SB-76
SB-77
SB-78
SB-79
SB-80
SB-81
SB-82
SB-83
SB-84
SB-85
SB-86
NB-18
NB-19
NB-20
NB-21
END RETAINING WALL
CL. STA. 246+25.00
PROP. RETAINING WALL
CL. FM 720 STA.249+69.42 =
CL. REMINGTON DR.STA.10+00.00
CL. FM 720 STA.265+84.72 =
CL. QUAIL MEADOWS STA.15+75.05


FM 720 (40 mph)
630
620
610
600
590
580
570
560
550
245+00
250+00
255+00
260+00
265+00
PGL 10' LT. & RT. OF CL. FM 720
EXIST. GROUND AT CL. FM 720
EX. 36" WATERLINE FIELD VERIFY
CL. REMINGTON DR.
FM 720 STA.249+69.42=
CL. REMINGTON DR. STA.10+00.00
PVI.STA. 250+00.00
PVI.EL. = 590.60
V.C. = 125.00'
e = -0.13'
K = 147
PVC.STA. 249+37.50
EL. = 590.38
PVT.STA. 250+62.50
EL. = 590.29
0.350%
-0.500%
PVC.STA. 251+50.00
EL. = 589.85
PVI.STA. 252+50.00
PVI.EL. = 589.35
V.C. = 200.00'
e = 0.35'
K = 145
PVT.STA. 253+50.00
EL. = 590.23
-0.500%
0.884%
PVC.STA. 256+50.00
EL. = 592.89
PVI.STA. 258+25.00
PVI.EL. = 594.43
V.C. = 350.00'
e = -0.93'
K = 165
0.884%
-1.242%
PVT.STA. 260+00.00
EL. = 592.26
PVI.STA. 266+00.00
PVI.EL. = 584.81
V.C. = 150.00'
e = -0.18'
K = 160
-1.242%
-2.177%
EX.6" WATERLINE FIELD VERIFY
PVC.STA. 265+25.00
EL. = 585.74
QUAIL MEADOWS CENTERLINE
FM 720 STA.265+84.72=
CL. QUAIL STA.15+75.05
PVT.STA. 266+75.00
EL. = 583.17
PGL 10' LT. &
OF CL. FM
589.7
589.03
589.9
589.20
589.8
589.38
589.9
589.55
589.7
589.73
590.2
589.90
590.7
590.08
590.4
590.25
590.8
590.42
591.2
590.47
591.6
590.34
591.8
590.10
591.9
589.85
591.9
589.69
592.0
589.70
591.8
589.88
591.5
590.23
591.6
590.68
591.9
591.12
592.2
591.56
592.7
592.00
593.0
592.44
593.5
592.89
594.1
593.25
594.4
593.47
594.7
593.53
594.7
593.44
594.8
593.20
594.4
592.80
594.0
592.26
594.0
591.64
593.6
591.02
592.9
590.40
592.0
589.77
591.6
589.15
591.1
588.53
590.1
587.91
589.2
587.29
587.9
586.67
586.9
586.05
586.1
585.41
585.5
584.63
584.9
583.70
584.0
582.63
583.1
581.54
582.4
580.45
581.3


MATCH LINE STA.268+00.00
PAVEMENT
STA.13+75.00
SB-86
SB-87
SB-88
SB-89
SB-90
SB-91
NB-22
NB-23
NB-24
NB-25
NB-26
NB-27
BEGIN RETAINING WALL
CL. STA. 268+50.00
PROP. RETAINING
WALL
END RETAINING WALL
CL. STA. 270+00.00
EXISTING 30' PERM.
UTILITY EASEMENT
BEGIN RETAINING WALL
CL. STA. 271+50.00
PROP. RETAINING
WALL
END RETAINING WALL
CL. STA. 274+50.00
DENSE TREES
36" Water Line
EXIST. ROW
PROP. ROW
R =10'
100.96'
89.53'
32.07'
270+00
275+00
280+00
285+00
9
10
N 3° 57' 18.85" W
N 1° 24' 04.31" E
N 1° 40' 04.31" E
Water Line
AT Fiber Optic Line
102.55'
30.70'
99.03'
141.61'
PROPSED 30' UTILITY
EASEMENT
END RETAINING WALL
CL. STA. 273+75.00
BEGIN RETAINING WALL
CL. STA. 271+50.00
PROP RETAINING
WALL
PROP. 2-7'X3' BOX CULVERTS
CL. STA. 272+61.32
MATCH EXIST. PAVEMENT
WAGGIN TAILS RANCH ROAD
STA.10+35.00
10+00
S 87° 39' 37.55" E
WAGGIN TAILS RANCH ROAD
R =10' (TYP.)
R =20' (TYP.)
6" Water Line
CL. FM 720 STA.282+32.83 =
CL. WAGGIN TAILS RANCH ROAD
STA.13+00.00
CL. FM 720 STA.287+76.18 =
CL. JENNY LANE STA.10+00.00
Overhead Electric
12" Waterline
36" Waterline
EXIST. 30' PERM.
UTILITY EASEMENT
CEMETERY
JENNY LANE
S 87° 39' 55.56" E
R =20' (TYP.)
EXIST. GROUND
AT CL. FM 720
RT.
720
PVC.STA. 269+75.00
EL.= 576.64
PVI.STA. 272+75.00
PVI.EL. = 570.11
V.C. = 600.00'
e = 2.79'
K = 162
-2.177%
+1.538%
PVT.STA. 275+75.00
EL.= 574.73
EX. 36" WATER LINE
FIELD VERIFY
EX. 36" WATER LINE
FIELD VERIFY
EXIST. 2-60" RCP TO BE
REPLACED BY 2-7'X3'
CONC. BOX CULVERTS
CL.STA. 272+61.32
WAGGIN TAILS RANCH ROAD CENTERLINE
FM 720 STA.282+32.83=
CL WAGGIN TAILS STA.13+00.00
EX.6" WATERLINE
FIELD VERIFY
PGL 10' LT. & RT.
OF CL. FM 720
EX. 12" WATERLILNE
FIELD VERIFY
JENNY LANE CENTERLINE
FM 720 STA.287+76.18=
CL JENNY STA.10+00.00
PVC.STA. 288+25.00
EL.= 593.96
+1.538
579.36 579.9
578.28 578.9
577.19 577.9
576.12 576.3
575.18 574.9
574.41 572.0
573.78 570.4
573.31 569.0
573.00 567.7
572.84 567.5
572.83 568.0
572.98 568.9
573.29 571.2
573.75 572.9
574.36 574.8
575.11 576.3
575.88 577.6
576.65 578.6
577.42 579.2
578.19 579.6
578.96 579.8
579.73 580.3
580.50 581.1
581.26 581.6
582.03 582.4
582.80 583.3
583.57 584.1
584.34 584.7
585.11 587.1
585.88 586.8
586.65 587.7
587.42 588.4
588.19 589.1
588.96 589.9
589.73 590.5
590.49 591.4
591.26 592.1
592.03 593.3
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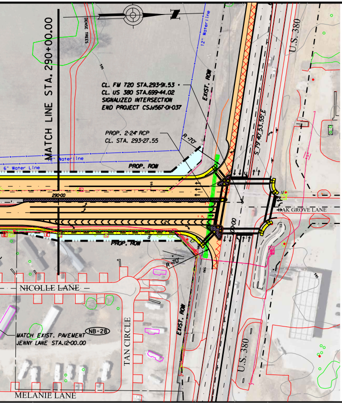
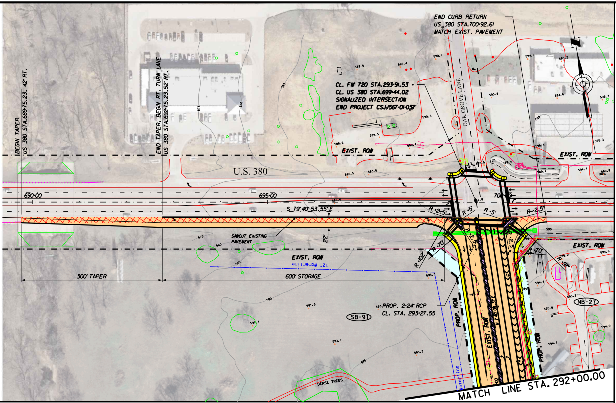
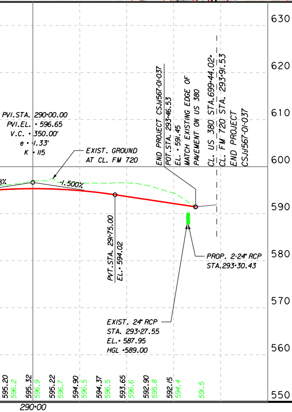
593.57 594.4
594.31 595.1
594.87 595.7
270+00
275+00
280+00
285+00


MATCH LINE STA. 290+00.00
DENSE TREES
12" Water line
6" Water Line
EXIST. ROW
PROP. ROW
CL. FM 720 STA.293+91.53 =
CL. US 380 STA.699+44.02
SIGNALIZED INTERSECTION
END PROJECT CSJ#567-01-037
PROP. 2-24" RCP
CL. STA. 293+27.55
R=70'
290+00
S 79°40'53.55"E
U.S. 380
OAK GROVE LANE
NICOLLE LANE
TAN CIRCLE
MELANIE LANE
MATCH EXIST. PAVEMENT
JENNY LANE STA.12+00.00
NB-28

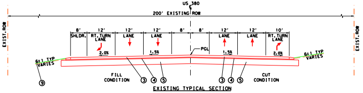

END CURB RETURN
US 380 STA.700+92.61
MATCH EXIST. PAVEMENT
BEGIN TAPER
US 380 STA.689+75.23, 42' RT.
END TAPER, BEGIN RT. TURN LANE
US 380 STA.692+75.23, 52' RT.
CL. FM 720 STA.293+91.53 =
CL. US 380 STA.699+44.02
SIGNALIZED INTERSECTION
END PROJECT CSJ#567-01-037
OAK GROVE LANE
EXIST. ROW
U.S. 380
690+00
695+00
700+00
S 79°40'53.55"E
SAWCUT EXISTING PAVEMENT
R=2.5'
R=5'
R=70'
R=102'
22'
300' TAPER
600' STORAGE
12" Water line
PROP. 2-24" RCP
CL. STA. 293+27.55
SB-91
NB-27
PROP. ROW
DENSE TREES
MATCH LINE STA. 292+00.00



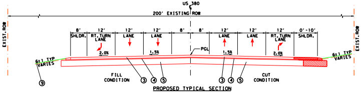
NOTE:

1.) FINAL LOCATION AND NUMBER OF MEDIAN OPENING WILL BE DETERMINED DURING THE FINAL DESIGN PHASE OF THIS PROJECT.

2.) ALL UTILITIES WILL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS.


US 380
℄
200' EXISTING ROW
EXIST. ROW
8'
12'
12'
12'
8'
8'
12'
12'
10'
SHLDR.
RT. TURN LANE
LANE
LANE
LANE
LANE
RT. TURN LANE
2.0%
1.5%
PGL
1.5%
2.0%
6:1 TYP VARIES
6:1 TYP VARIES
FILL CONDITION
CUT CONDITION
⑨
③
④
⑤
③
④
⑤

EXISTING TYPICAL SECTION
US 380 WITH EXISTING
RIGHT TURN LANES
STA.693+00.00 TO STA.699+00.00 RT-TURN BAYS


US 380
℄
200' EXISTING ROW
EXIST. ROW
8'
12'
12'
12'
8'
8'
12'
12'
12'
0'-10'
SHLDR.
RT. TURN LANE
LANE
LANE
LANE
LANE
RT. TURN LANE
SHLDR.
2.0%
1.5%
PGL
1.5%
2.0%
6:1 TYP VARIES
6:1 TYP VARIES
FILL CONDITION
CUT CONDITION
⑨
③
④
⑤
③
④
⑤

PROPOSED TYPICAL SECTION
US 380 WITH EXISTING RIGHT-TURN
LANES AND ADDITONAL SHOULDER
STA.693+00.00 TO STA.699+00.00 RT-TURN BAYS

CURVE DATA TABLE

CENTERLINE FM 720 CURVE DATA

CURVE NO.	CURVE	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
1	CL_720-1	186+01.46	7,122,367.44	2,434,784.05	41° 29' 47.37"	675.00	8° 29' 17.75"	255.71	488.87	N 20° 57' 35.41" W	478.25	183+45.75	188+34.62	N 0° 12' 41.73" W	N 41° 42' 29.10" W
2	CL_720-2	195+37.52	7,123,083.09	2,434,146.25	44° 32' 33.41"	675.00	8° 29' 17.75"	276.44	524.76	N 19° 26' 12.39" W	511.64	192+61.07	197+85.83	N 41° 42' 29.10" W	N 2° 50' 04.31" E
3	CL_720-3	211+92.19	7,124,763.83	2,434,229.47	28° 32' 00.00"	1412.39	4° 03' 23.91"	359.14	703.37	N 17° 06' 04.31" E	696.13	208+33.05	215+36.42	N 2° 50' 04.31" E	N 31° 22' 04.31" E
4	CL_720-4	220+32.81	7,125,494.32	2,434,674.80	12° 58' 39.00"	1452.39	3° 56' 41.71"	165.19	328.97	N 24° 52' 44.81" E	328.26	218+67.62	221+96.59	N 31° 22' 04.31" E	N 18° 23' 25.31" E
5	CL_720-5	240+39.77	7,127,400.13	2,435,308.42	26° 37' 01.14"	675.00	8° 29' 17.75"	159.67	313.57	N 5° 04' 54.74" E	310.76	238+80.10	241+93.68	N 18° 23' 25.31" E	N 8° 13' 35.83" W
6	CL_720-6	248+99.58	7,128,256.79	2,435,184.57	7° 17' 19.87"	5749.58	0° 59' 47.48"	366.21	731.43	N 11° 52' 15.76" W	730.94	245+33.37	252+64.80	N 8° 13' 35.83" W	N 15° 30' 55.69" W
7	CL_720-7	260+70.39	7,129,385.89	2,434,871.11	14° 12' 08.03"	675.00	8° 29' 17.75"	84.09	167.32	N 22° 36' 59.71" W	166.89	259+86.30	261+53.62	N 15° 30' 55.69" W	N 29° 43' 03.72" W
8	CL_720-8	264+06.06	7,129,678.16	2,434,704.29	31° 07' 08.03"	675.00	8° 29' 17.75"	187.95	366.61	N 14° 09' 29.71" W	362.12	262+18.11	265+84.72	N 29° 43' 03.72" W	N 1° 24' 04.31" E
9	CL_720-9	273+78.45	7,130,659.54	2,434,728.29	5° 21' 23.16"	2864.79	2° 00' 00.00"	134.01	267.82	N 1° 16' 37.27" W	267.72	272+44.44	275+12.26	N 1° 24' 04.31" E	N 3° 57' 18.85" W
10	CL_720-10	278+02.56	7,131,082.83	2,434,699.03	5° 37' 23.16"	2864.79	2° 00' 00.00"	140.69	281.15	N 1° 08' 37.27" W	281.04	276+61.86	279+43.02	N 3° 57' 18.85" W	N 1° 40' 04.31" E

CENTERLINE MARTOP ROAD CURVE DATA

CURVE NO.	CURVE	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
11	CL_MARTOP-1	13+44.77	7,122,278.24	2,434,463.55	46° 31' 55.81"	575.00	9° 57' 52.14"	247.23	466.98	S 84° 57' 25.56" E	454.25	10+97.54	15+64.52	S 61° 41' 27.65" E	N 71° 46' 36.53" E
12	CL_MARTOP-2	18+18.45	7,122,434.96	2,434,939.58	18° 17' 27.94"	575.00	9° 57' 52.14"	92.57	183.56	N 80° 55' 20.50" E	182.78	17+25.88	19+09.44	N 71° 46' 36.53" E	S 89° 55' 55.53" E

CENTERLINE LLOYD'S ROAD CURVE DATA

CURVE NO.	CURVE	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
13	CL_LLOYDS-1	11+97.37	7,125,310.87	2,434,792.39	44° 23' 11.84"	300.00	19° 05' 54.94"	122.39	232.41	S 83° 14' 55.32" E	226.64	10+74.98	13+07.39	S 61° 03' 19.40" E	N 74° 33' 28.76" E

CENTERLINE CROSS OAK RANCH BLVD SOUTH CURVE DATA

CURVE NO.	CURVE	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
14	CL_CROSS_S-1	10+37.52	7,126,702.92	2,434,621.62	15° 37' 26.00"	273.46	20° 57' 07.16"	37.52	74.57	S 79° 26' 53.09" E	74.34	10+00.00	10+74.57	S 87° 15' 36.09" E	S 71° 38' 10.09" E

CENTERLINE CROSS OAK RANCH BLVD MIDDLE CURVE DATA

CURVE NO.	CURVE	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
15	CL_CROSS_M-1	11+16.29	7,126,656.60	2,434,917.12	18° 34' 51.92"	195.00	29° 22' 56.82"	31.90	63.24	S 62° 05' 57.11" E	62.96	10+84.39	11+47.63	S 52° 48' 31.15" E	S 71° 23' 23.08" E

CENTERLINE CROSS OAK RANCH BLVD NORTH CURVE DATA

CURVE NO.	CURVE	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
16	CL_CROSS_N-1	11+21.94	7,126,843.87	2,434,659.10	55° 27' 34.43"	231.97	24° 41' 57.80"	121.94	224.54	S 88° 51' 19.05" E	215.87	10+00.00	12+24.54	N 63° 24' 53.74" E	S 61° 07' 31.83" E
17	CL_CROSS_N-2	13+39.88	7,126,729.29	2,434,866.89	55° 48' 08.00"	217.83	26° 18' 11.93"	115.34	212.15	S 89° 01' 35.83" E	203.86	12+24.54	14+36.69	S 61° 07' 31.83" E	N 63° 04' 20.16" E

CENTERLINE REMINGTON BLVD CURVE DATA

CURVE NO.	CURVE	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
18	CL_REM-1	7+00.99	7,128,256.49	2,434,865.85	15° 35' 41.00"	545.00	10° 30' 46.75"	74.63	148.34	N 84° 57' 30.71" E	147.88	6+26.36	7+74.70	S 87° 14' 38.79" E	N 77° 09' 40.21" E

CENTERLINE QUAIL MEADOWS CURVE DATA

CURVE NO.	CURVE	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
19	CL_QUAIL-1	10+42.43	7,129,851.71	2,434,178.87	19° 15' 54.48"	250.00	22° 55' 05.92"	42.43	84.06	N 81° 50' 41.45" E	83.66	10+00.00	10+84.06	S 88° 31' 21.31" E	N 72° 12' 44.21" E
20	CL_QUAIL-2	11+26.49	7,129,877.63	2,434,259.67	19° 15' 54.48"	250.00	22° 55' 05.92"	42.43	84.06	N 81° 50' 41.45" E	83.66	10+84.06	11+68.12	N 72° 12' 44.21" E	S 88° 31' 21.31" E

OWNER INFORMATION TABLE

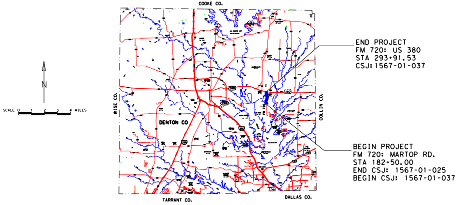
Parcel No.	Tax ID No.	Owners Name	Owners Address	Situs Address	Acres	Deed
SB-60	561399	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063	313 Brahma St., Crossroads, Tx 76227	0.1251	Plat 2013-01
SB-61	561398	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063	309 Brahma St., Crossroads, Tx 76227	0.1252	Plat 2013-01
SB-62	561397	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063	305 Brahma St., Crossroads, Tx 76227	0.1231	Plat 2013-01
SB-63	561396	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063	301 Brahma St., Crossroads, Tx 76227	0.1960	Plat 2013-01
SB-64	561403	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063		0.5800	Plat 2013-01
SB-65	125759	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063	W FM 720	11.2380	2012-69690
SB-66	561415	Lennar Homes of Texas Land & Construction, LTD	1707 Market Place, Suite 270, Irving, Tx 75063		0.0700	Plat 2013-01
SB-67	304966	Bowen Family Homes of Texas, Inc.	6650 Sugarloaf Pkwy, Suite 200, Duluth, Ga 30097	Eagle Ranch Dr., Denton, Tx 76227	0.0791	ROW
SB-68	304974	Fanniel, Edgar	175 Wild Rose Court, Crossroads, Tx 76227	175 Wild Rose Court, Crossroads, Tx 76227	0.3011	2013-7036
SB-69	304973	Willis, Audrey	171 Wild Rose Court, Crossroads, Tx 76227	171 Wild Rose Court, Crossroads, Tx 76227	0.1204	2011-115559
SB-70	304972	Krisko, Jennifer	167 Wild Rose Court, Crossroads, Tx 76227	167 Wild Rose Court, Crossroads, Tx 76227	0.1262	2007-8783
SB-71	304971	Ferguson, Christopher L & Sarah B	163 Wild Rose Court, Crossroads, Tx 76227	163 Wild Rose Court, Crossroads, Tx 76227	0.1250	2011-88789
SB-72	304970	Wilson, Nicholas S	159 Wild Rose Court, Crossroads, Tx 76227	159 Wild Rose Court, Crossroads, Tx 76227	0.1237	2011-114051
SB-73	304969	Segovia, Juan Carlos	151 Wild Rose Court, Crossroads, Tx 76227	151 Wild Rose Court, Crossroads, Tx 76227	0.1654	2011-73955
SB-74	304968	Chavez, Jose Juvenal T	9205 Wild Rose Court, Crossroads, Tx 76227	9205 Wild Rose Court, Crossroads, Tx 76227	0.2948	2009-2093
NB-18	38226	Spiritas Ranch Enterprises	5016 McKinney Ave., Suite 100, Dallas, Tx 75205	W FM 720	138.7070	998-670
SB 75	304965	Bonus, Gabriel O	137 Eagle Ranch Dr., Crossroads, Tx 76227	137 Eagle Ranch Dr., Crossroads, Tx 76227	0.1289	2008-266
SB 76	304964	Cleary, Jodie L & John M Jr.	133 Eagle Ranch Dr., Crossroads, Tx 76227	133 Eagle Ranch Dr., Crossroads, Tx 76227	0.1284	2007-85501
SB 77	304963	Maluy-ramirez, Arturo A	129 Eagle Ranch Dr., Crossroads, Tx 76227	129 Eagle Ranch Dr., Crossroads, Tx 76227	0.1449	2011-60157
SB 78	304962	Johnson, Angela L	125 Eagle Ranch Dr., Crossroads, Tx 76227	125 Eagle Ranch Dr., Crossroads, Tx 76227	0.1342	2011-19258
SB 79	304961	Vasa Property Investments, LLC	121 Eagle Ranch Dr., Crossroads, Tx 76227	121 Eagle Ranch Dr., Crossroads, Tx 76227	0.1262	2011-28457
SB 80	304960	Noggle, Matthew & Nancy Pimentel-Noggle	117 Eagle Ranch Dr., Crossroads, Tx 76227	117 Eagle Ranch Dr., Crossroads, Tx 76227	0.1295	2011-29159
SB 81	304959	Tyson, Shirley R	113 Eagle Ranch Dr., Crossroads, Tx 76227	113 Eagle Ranch Dr., Crossroads, Tx 76227	0.1193	2011-61200
SB 82	304958	Solares, Miguel	109 Eagle Ranch Dr., Crossroads, Tx 76227	109 Eagle Ranch Dr., Crossroads, Tx 76227	0.1213	2011-42832
SB 83	304957	Confidential	105 Eagle Ranch Dr., Crossroads, Tx 76227	105 Eagle Ranch Dr., Crossroads, Tx 76227	0.1250	2010-119803
SB 84	304956	Christner, Vaughan	101 Eagle Ranch Dr., Crossroads, Tx 76227	101 Eagle Ranch Dr., Crossroads, Tx 76227	0.2232	2011-24432
SB 85	206889	Jones, Ladon E & Jann K	P.O. Box 444, Aubrey, Tx 76227	9131 Quail Meadows Lane, Aubrey, Tx 76227	1.5000	01-10320
SB 86	206882	Wiemann, Thomas W & Constance S	9130 Quail Meadows lane, Aubrey, Tx 76227	9130 Quail Meadows lane, Aubrey, Tx 76227	1.3400	01-105039
SB 87	38002	Ben, Louise Properties, LTD	6608 Riverside Dr., Plano, Tx 75024	W FM 720	7.4000	98-0116366
NB-19	465354	McDaniel, Johnie W Sr. & Lynda Marie	4301 FM 720, Aubrey, Tx 76227	4301 FM 720, Aubrey, Tx 76227	8.6300	2010-99765
NB-20	38094	McDaniel, Johnie W Sr. & Lynda Marie	4301 FM 720, Aubrey, Tx 76227	4301 FM 720, Aubrey, Tx 76227	1.0000	
NB-21	38089	McDaniel, Johnie W Sr. & Lynda Marie	4301 FM 720, Aubrey, Tx 76227	4201 FM 720, Aubrey, Tx 76227	9.4900	2011-Death
NB-22	38102	McDaniel, Johnie W Sr. & Lynda Marie	4301 FM 720, Aubrey, Tx 76227		3.9200	2010-99765
NB-23	114206	Meals, Ellis	1507 Highland Dr., Little Elm, Tx 75068	4391 FM 720 Aubrey, Tx 76227	0.3250	2012-95998
NB-24	111275	Spiritas Ranch Enterprises	5016 McKinney Ave., Suite 100, Dallas, Tx 75205	W FM 720	41.0800	2737-131
SB-88	121938	Ben, Louise Properties, LTD	6608 Riverside Dr., Plano, Tx 75024	W FM 720	14.8580	98-0116366
SB-89	38085	Talley, Billy Dean, Jr.	4550 FM 720, Aubrey, Tx 76227	4550 FM 720, Aubrey, Tx 76227	1.8100	951-967
SB-90	98650	Smith, Benjamin L & Janis K	5213 Creekpoint Dr., Plano, Tx 75093	4646 FM 720, Aubrey, Tx 76227	12.0000	04-122653
NB-25	149070	Oak Grove United Methodist Church	4725 FM 720, Aubrey, Tx 76227	4725 FM 720, Aubrey, Tx 76227	1.2280	2269-580
NB-26	38842	Oak Grove United Methodist Church Cemetery	4725 FM 720, Aubrey, Tx 76227	4725 FM 720, Aubrey, Tx 76227	4.2300	2269-584
NB-27	256769	Linclon Park Community Inc.	2114 Franklin Dr., Arlington, Tx 76011	W FM 720	33.3660	03-166084
NB-28	38063	The Parker Group	2114 Franklin Dr., Arlington, Tx 76011	US 380, Aubrey, Tx 76227	2.9820	419760
SB-91	191206	720 & 380 LTD	2808 Fairmount St., Suite 100, Dallas, Tx 75201	US 380, Aubrey, Tx 76227	24.5660	04-25048,49,50

SUPERELEVATION TABLE

Southbound Station	Superelevation e%	Northbound Station	Superelevation e%
236+23.00	-2.00%		
247+88.00	-2.00%		
249+05.00	-1.50%		
250+32.00	-1.50%		
251+49.00	-2.00%		
264+14.00	-2.00%		
265+31.00	-1.50%		
266+42.00	-1.50%		
267+59.00	-2.00%		
280+57.00	-2.00%		
281+74.00	-1.50%		
282+94.00	-1.50%		
284+11.00	-2.00%	221+02.00	-2.00%
		286+01.00	-2.00%
		287+18.00	-1.50%
		288+32.00	-1.50%
		289+49.00	-2.00%
293+50.00	-2.00%	293+25.00	-2.00%

Texas Department of Transportation®

DALLAS DISTRICT
DESIGN SCHEMATIC
WILLIAM L. HALE, P.E., DISTRICT ENGINEER
DENTON COUNTY
FARM TO MARKET ROAD 720
PROJECT LIMIT: 360' SOUTH OF MARTOP ROAD
TO US 380
CONTROL: 1567-01-037
US 380 FUNCTIONAL CLASS: PRINCIPLE URBAN ARTERIAL
DESIGN SPEED: 60 mph
FM 720 FUNCTIONAL CLASS: URBAN MINOR ARTERIAL
DESIGN SPEED: 40 mph FM 720
30 mph Side Streets
PROJECT LENGTH = 2.111 MI.


COOKE CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
DENTON CO
FM 720
380
288
35
N
SCALE 0 1 2 3 4 MILES

END PROJECT
FM 720: US 380
STA 293+91.53
CSJ:1567-01-037

BEGIN PROJECT
FM 720: MARTOP RD.
STA 182+50.00
END CSJ: 1567-01-025
BEGIN CSJ: 1567-01-037

LOCATION MAP

FEBRUARY 2014
SCALE: 1"=100' H, 1"=10'V
ROLL 2 OF 3

APPROVED SCHEMATIC NOT FOR CONSTRUCTION

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

NAME	P.E. NO.	DATE
NELSON L. UNDERWOOD	91203	04/28/2014

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