Roll 1 of 4 (County Line Road, FM 2622, Smith Road)

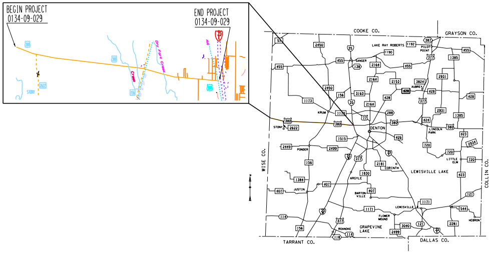
TEXAS DEPARTMENT OF TRANSPORTATION

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380
FROM: DENTON/WISE COUNTY LINE ROAD
TO: IH 35
CONTROL: 0134-09-029
PRINCIPAL ARTERIAL
DENTON COUNTY

DESIGN SPEED=70 mph EB (0+00-105+00,145+00-415+16.26)
WB (84+00-167+00)
DESIGN SPEED=40 mph WB (0+00-84+00,167+00-415+00)
EB (105+00-145+00)
DESIGN SPEED=45 mph (415+00-663+19.78)

PROJECT LENGTH = 12.6 miles
SCALE: HORIZONTAL 1:100
ROLL 1 OF 4
APRIL 2004

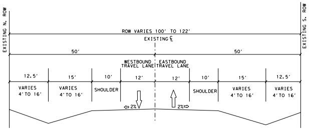

BEGIN PROJECT
0134-09-029
END PROJECT
0134-09-029
COOKE CO.
GRAYSON CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
DENTON
LEWISVILLE LAKE
GRAPEVINE LAKE
LAKE RAY ROBERTS
KRUM
PONDER
JUSTIN
ARGYLE
SANGER
AUBREY
CORINTH
LEWISVILLE
FLOWER MOUND
ROANOKE
HEBRON
LITTLE ELM
LINCOLN PARK
PILOT POINT
BARTONVILLE
STONY
380

NOT A
BIDDING
DOCUMENT

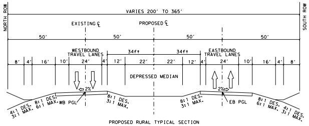
ENGINEER BRUCE WAYNE NOLLEY, P.E.
P.E. NUMBER 82048
DATE APRIL 2, 2004

© 2004 by Texas Department of Transportation:
all rights reserved

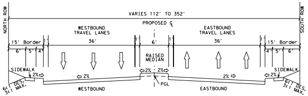
PROPOSED TYPICAL SECTIONS


EXISTING N. ROW
EXISTING S. ROW
ROW VARIES 100' TO 122'
EXISTING ℄
50'
50'
WESTBOUND TRAVEL LANE
EASTBOUND TRAVEL LANE
12.5'
15'
10'
12'
12'
10'
15'
12.5'
VARIES 4' TO 16'
VARIES 4' TO 16'
SHOULDER
SHOULDER
VARIES 4' TO 16'
VARIES 4' TO 16'
2%
2%

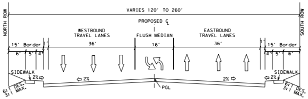
EXISTING TYPICAL SECTION


NORTH ROW
SOUTH ROW
VARIES 200' TO 365'
EXISTING ℄
PROPOSED ℄
50'
50'
50'
50'
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
34ft
34ft
8'
4'
16'
10'
24'
12'
22'
22'
12'
4'
24'
10'
16'
4'
8'
DEPRESSED MEDIAN
2%
2%
4:1 DES. 3:1 MAX.
8:1 DES. 6:1 MAX.
WB PGL
8:1 DES. 3:1 MAX.
8:1 DES. 3:1 MAX.
EB PGL
8:1 DES. 6:1 MAX.
4:1 DES. 3:1 MAX.

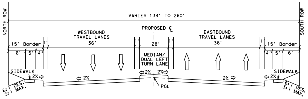
PROPOSED RURAL TYPICAL SECTION
STA 0+00 - 415+16.26
DEPRESSED MEDIAN


NORTH ROW
SOUTH ROW
VARIES 112' TO 352'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
15' Border
36'
6'
36'
15' Border
6'
5'
4'
RAISED MEDIAN
4'
5'
6'
SIDEWALK
SIDEWALK
2%
2%
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.
WESTBOUND
EASTBOUND

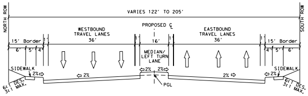
PROPOSED URBAN TYPICAL SECTION
STA 415+00 TO 443+00
RAISED MEDIAN
BARRIER CURBS


NORTH ROW
SOUTH ROW
VARIES 120' TO 260'
PROPOSED ℄
WESTBOUND TRAVEL LANES
FLUSH MEDIAN
EASTBOUND TRAVEL LANES
15' Border
36'
16'
36'
15' Border
6'
5'
4'
4'
5'
6'
SIDEWALK
SIDEWALK
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

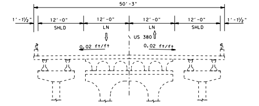
PROPOSED URBAN TYPICAL SECTION
STA 443+00 TO 508+00
FLUSH MEDIAN


NORTH ROW
SOUTH ROW
VARIES 134' TO 260'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
15' Border
36'
28'
36'
15' Border
6'
5'
4'
MEDIAN/ DUAL LEFT TURN LANE
4'
5'
6'
SIDEWALK
SIDEWALK
2%
2%
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

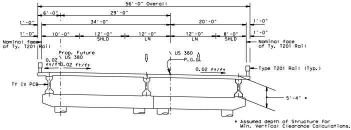
PROPOSED URBAN TYPICAL SECTION
STA 508+00 TO 639+00
RAISED MEDIAN
BARRIER CURBS


NORTH ROW
SOUTH ROW
VARIES 122' TO 205'
PROPOSED ℄
WESTBOUND TRAVEL LANES
EASTBOUND TRAVEL LANES
15' Border
36'
16'
36'
15' Border
6'
5'
4'
MEDIAN/ LEFT TURN LANE
4'
5'
6'
SIDEWALK
SIDEWALK
2%
2%
2%
2%
2%
2%
PGL
6:1 DES. 3:1 MAX.
6:1 DES. 3:1 MAX.

PROPOSED URBAN TYPICAL SECTION
STA 589+00 TO 663+19.78
RAISED MEDIAN
BARRIER CURBS

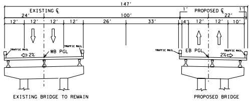

50'-3"
1'-1½"
12'-0"
12'-0"
12'-0"
12'-0"
1'-1½"
SHLD
LN
LN
SHLD
US 380
0.02 ft/ft
0.02 ft/ft

TYPICAL SECTION - EXISTING STRUCTURE @ FM156

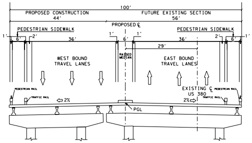

56'-0" Overall
6'-0"
29'-0"
34'-0"
20'-0"
1'-0"
1'-0"
1'-0"
1'-0"
10'-0"
12'-0"
12'-0"
12'-0"
8'-0"
SHLD
LN
LN
SHLD
Nominal face of Ty. T201 Rail
Nominal face of Ty. T201 Rail
Prop. Future US 380
US 380
P.G.
0.02 ft/ft
0.02 ft/ft
0.02 ft/ft
Type T201 Rail (Typ.)
TY IV PCB
5'-4" *
* Assumed depth of Structure for Min. Vertical Clearance Calculations.

TYPICAL SECTION - COMPLETED STRUCTURE @ FM 156

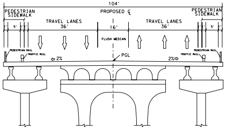
NOTE: BRIDGE TYPICAL SECTIONS PROVIDED BY TXDOT DALLAS DISTRICT ROADWAY DESIGN CSJ: 0134-09-047


147'
EXISTING ℄
PROPOSED ℄
24'
100'
1'
22'
1'
12'
12'
12'
12'
26'
33'
14'
12'
12'
10'
TRAFFIC RAIL
TRAFFIC RAIL
TRAFFIC RAIL
TRAFFIC RAIL
WB PGL
EB PGL
2%
2%
EXISTING BRIDGE TO REMAIN
PROPOSED BRIDGE

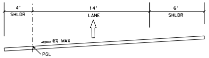
EXISTING SOUTH HICKORY CREEK BRIDGE TO REMAIN
PROPOSED PARALLEL SOUTH HICKORY CREEK BRIDGE
STA 384+88 - 387+52


100'
PROPOSED CONSTRUCTION 44'
FUTURE EXISTING SECTION 56'
PROPOSED ℄
PEDESTRIAN SIDEWALK
PEDESTRIAN SIDEWALK
1'
6'
2'
36'
1'
1'
6'
RAISED MEDIAN
29'
36'
2'
6'
1'
WEST BOUND TRAVEL LANES
EAST BOUND TRAVEL LANES
EXISTING ℄ US 380
PEDESTRIAN RAIL
TRAFFIC RAIL
PEDESTRIAN RAIL
TRAFFIC RAIL
2%
2%
PGL

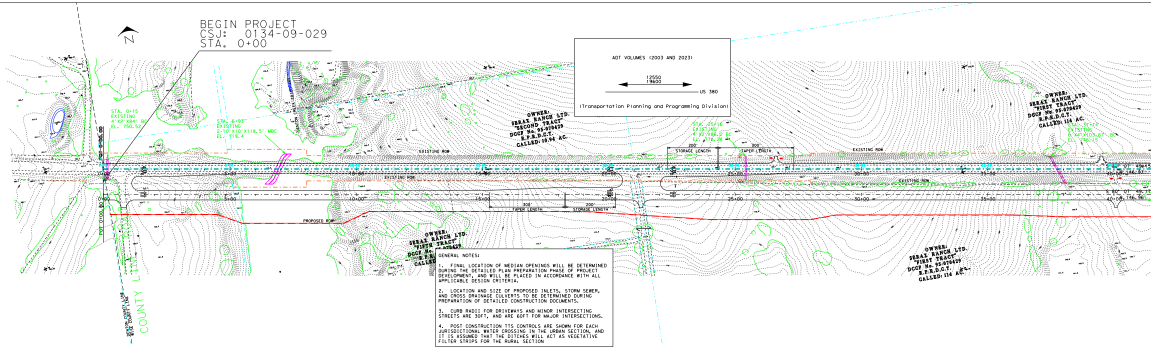
PROPOSED FM 156 BRIDGE TYPICAL SECTION
STA 432+93 TO 436+17
RAISED MEDIAN
BARRIER CURBS


104'
PEDESTRIAN SIDEWALK
PROPOSED ℄
PEDESTRIAN SIDEWALK
TRAVEL LANES 36'
16'
TRAVEL LANES 36'
5'
5'
FLUSH MEDIAN
PEDESTRIAN RAIL
TRAFFIC RAIL
PEDESTRIAN RAIL
TRAFFIC RAIL
PGL
2%
2%

EXISTING NORTH HICKORY CREEK BRIDGE TO BE WIDENED
STA 448+42 TO 492+24


4'
SHLDR
14'
LANE
6'
SHLDR
6% MAX
PGL

PROPOSED RAMP TYPICAL SECTION


BEGIN PROJECT
CSJ: 0134-09-029
STA. 0+00
N
ADT VOLUMES (2003 AND 2023)
12550
19600
US 380
(Transportation Planning and Programming Division)
STA. 0+15
EXISTING
4'X2'X84' BC
EL. 750.52
STA. 6+93
EXISTING
2-10'X10'X118.5' MBC
EL. 719.4
OWNER:
SERAX RANCH LTD.
"SECOND TRACT"
DCCF No. 95-070429
R.P.R.D.C.T.
CALLED: 10.94 AC.
STA. 25+16
EXISTING
4'X2'X86.2 BC
EL. 776.28
200'
STORAGE LENGTH
300'
TAPER LENGTH
EXISTING ROW
OWNER:
SERAX RANCH LTD.
"FIRST TRACT"
DCCF No. 95-070429
R.P.R.D.C.T.
CALLED: 114 AC.
STA. 37+74
EXISTING
6'X4'X103.67' BC
EL. 746.15
S 80° 07' 49.15
40+00
8,146.97
S 80° 07' 49.17
8,146.96
5+00
10+00
15+00
20+00
25+00
30+00
35+00
40+00
300'
TAPER LENGTH
200'
STORAGE LENGTH
PROPOSED ROW
OWNER:
SERAX RANCH LTD.
"FIFTH TRACT"
DCCF No. 95-070429
R.P.R.D.C.T.
CALLED
OWNER:
SERAX RANCH LTD.
"FIRST TRACT"
DCCF No. 95-070429
R.P.R.D.C.T.
CALLED: 114 AC.
POT 0+00.00
COUNTY LINE ROAD
DENTON COUNTY LINE
WISE COUNTY LINE
DENTON CREEK

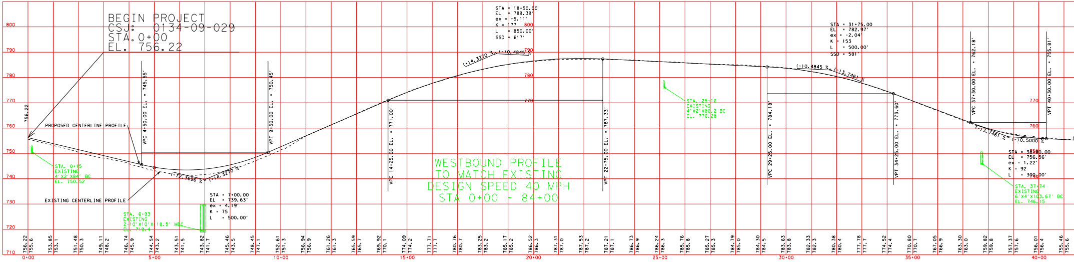
GENERAL NOTES:

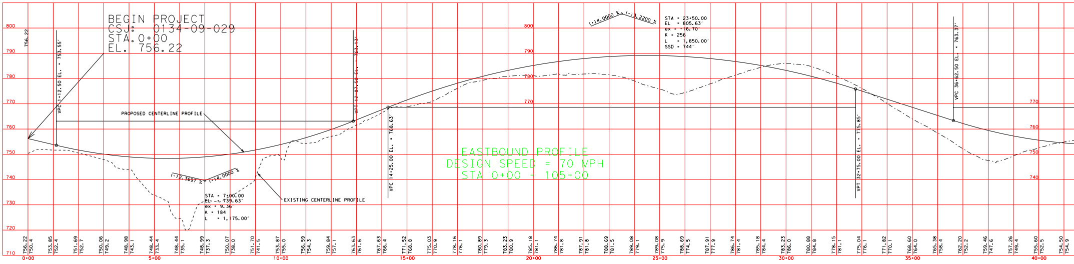
1. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED DURING THE DETAILED PLAN PREPARATION PHASE OF PROJECT DEVELOPMENT, AND WILL BE PLACED IN ACCORDANCE WITH ALL APPLICABLE DESIGN CRITERIA.

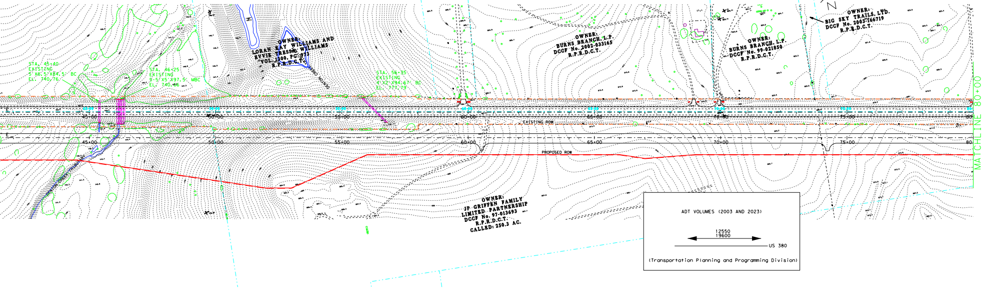
2. LOCATION AND SIZE OF PROPOSED INLETS, STORM SEWER, AND CROSS DRAINAGE CULVERTS TO BE DETERMINED DURING PREPARATION OF DETAILED CONSTRUCTION DOCUMENTS.

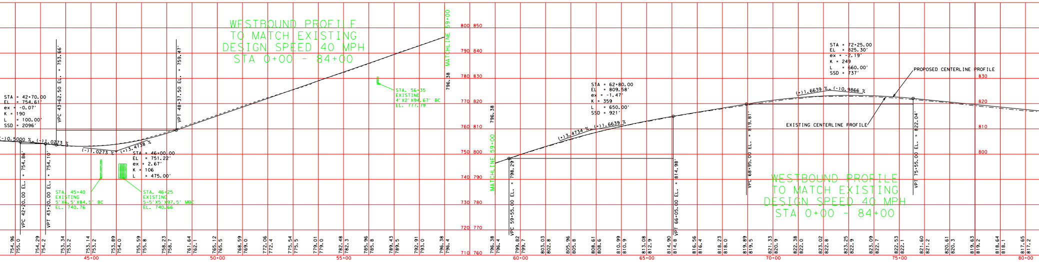
3. CURB RADII FOR DRIVEWAYS AND MINOR INTERSECTING STREETS ARE 30FT, AND ARE 60FT FOR MAJOR INTERSECTIONS.

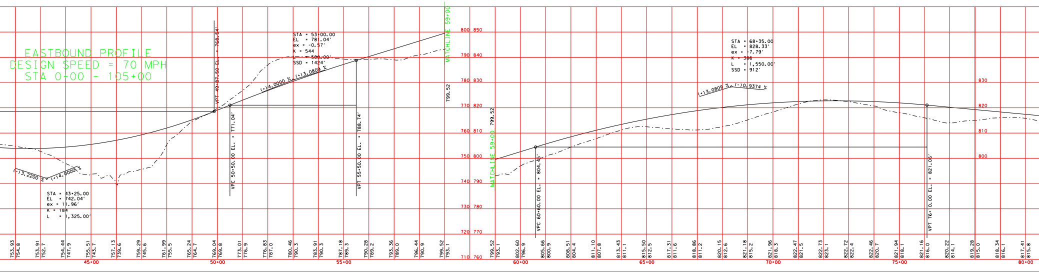
4. POST CONSTRUCTION TTS CONTROLS ARE SHOWN FOR EACH JURISDICTIONAL WATER CROSSING IN THE URBAN SECTION, AND IT IS ASSUMED THAT THE DITCHES WILL ACT AS VEGETATIVE FILTER STRIPS FOR THE RURAL SECTION

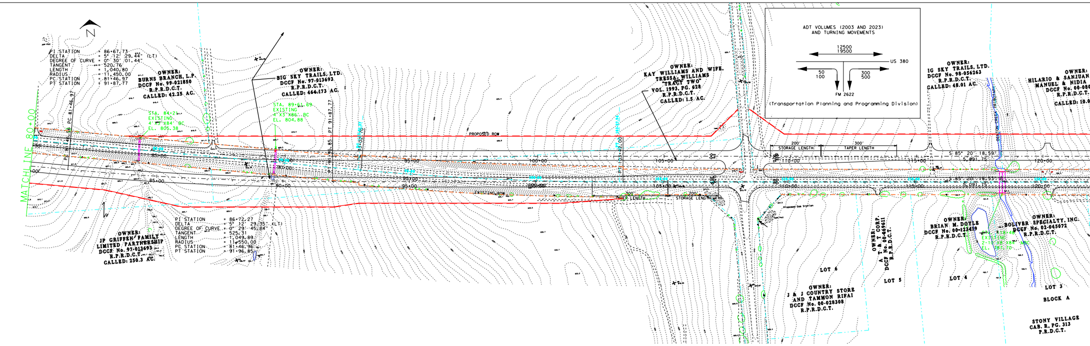


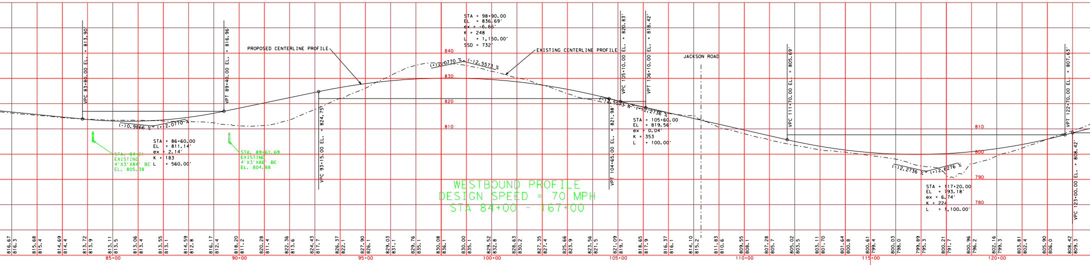


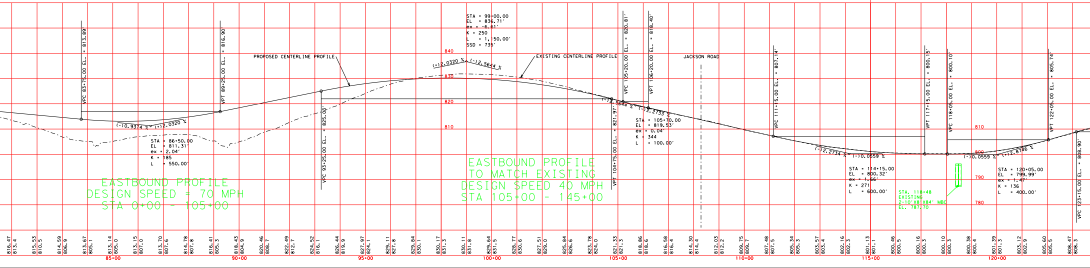

STA. 45+40
EXISTING
5'X6.5'X84.5' BC
EL. 740.76
STA. 46+25
EXISTING
5-5'X5'X97.5' MBC
EL. 740.66
OWNER:
LORAN KAY WILLIAMS AND
EVVIE TRESSIE WILLIAMS
VOL.1300, PG 973
R.P.R.D.C.T.
DENTON CREEK
DENTON CREEK TRIBUTARY
STA. 56+35
EXISTING
4'X2'X94.67' BC
EL. 777.79
45+00
50+00
55+00
60+00
65+00
70+00
75+00
80
EXISTING ROW
PROPOSED ROW
OWNER:
BURNS BRANCH, L.P.
DCCF No. 2002-033165
R.P.R.D.C.T.
OWNER:
BURNS BRANCH, L.P.
DCCF No. 99-021850
R.P.R.D.C.T.
N
OWNER:
BIG SKY TRAILS, LTD.
DCCF No. 2003-166719
R.P.R.D.C.T.
OWNER:
JP GRIFFEN FAMILY
LIMITED PARTNERSHIP
DCCF No. 97-013693
R.P.R.D.C.T.
CALLED: 250.3 AC.
MATCHLINE 80+00
ADT VOLUMES (2003 AND 2023)
12550
19600
US 380
(Transportation Planning and Programming Division)

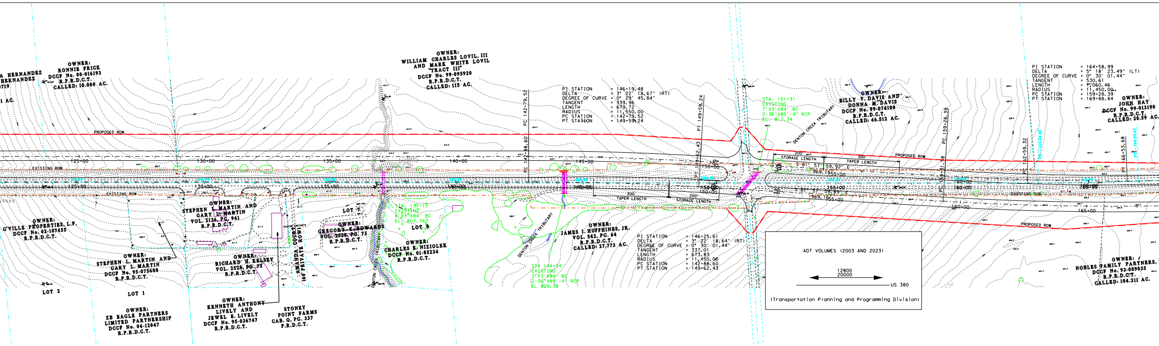





N
MATCHLINE 80+00
PI STATION = 86+67.73
DELTA = 5° 12' 29.44" (LT)
DEGREE OF CURVE = 0° 30' 01.44"
TANGENT = 520.76
LENGTH = 1,040.80
RADIUS = 11,450.00
PC STATION = 81+46.97
PT STATION = 91+87.77
OWNER: BURNS BRANCH, L.P. DCCF No. 99-021850 R.P.R.D.C.T. CALLED: 42.25 AC.
OWNER: BIG SKY TRAILS, LTD. DCCF No. 97-013693 R.P.R.D.C.T. CALLED: 464.173 AC.
STA. 84+21 EXISTING 4'X3'X84' BC EL. 805.38
STA. 89+61.69 EXISTING 4'X3'X86' BC EL. 804.88
PC 81+46.97
PT 91+87.77
PT 91+96.85
PROPOSED ROW
EXISTING ROW
85+00
90+00
95+00
100+00
105+00
110+00
115+00
120+00
OWNER: KAY WILLIAMS AND WIFE, TRESSA WILLIAMS "TRACT TWO" VOL. 1993, PG. 628 R.P.R.D.C.T. CALLED: 1.5 AC.
ADT VOLUMES (2003 AND 2023) AND TURNING MOVEMENTS
12500
19500
US 380
50
100
300
500
FM 2622
(Transportation Planning and Programming Division)
200' STORAGE LENGTH
300' TAPER LENGTH
300' TAPER LENGTH
200' STORAGE LENGTH
S 85° 20' 18.59" E 5,091.75'
S 85° 20' 18.53" E 5,091.75'
Proposed Gas Station
DENTON CREEK (TRIBUTARY)
OWNER: IG SKY TRAILS, LTD. DCCF No. 98-056263 R.P.R.D.C.T. CALLED: 48.01 AC.
OWNER: HILARIO & SANJUAN MANUEL & NIDIA DCCF No. 00-080 R.P.R.D.C.T. CALLED: 10.0
PI STATION = 86+72.27
DELTA = 5° 12' 29.35" (LT)
DEGREE OF CURVE = 0° 29' 45.84"
TANGENT = 525.31
LENGTH = 1,049.89
RADIUS = 11,550.00
PC STATION = 81+46.96
PT STATION = 91+96.85
OWNER: JP GRIFFEN FAMILY LIMITED PARTNERSHIP DCCF No. 97-013693 R.P.R.D.C.T. CALLED: 250.3 AC.
OWNER: J & J COUNTRY STORE AND TAMMON RIFAI DCCF No. 00-028308 R.P.R.D.C.T.
OWNER: A T & T CORP. DCCF No. 00-069611 R.P.R.D.C.T.
OWNER: BRIAN M. DOYLE DCCF No. 00-123419 R.P.R.D.C.T.
STA. 118+48 EXISTING 2-10'X8'X84' MBC EL. 787.70
OWNER: BOLIVER SPECIALTY, INC. DCCF No. 02-045072 R.P.R.D.C.T.
LOT 6
LOT 5
LOT 4
LOT 3
BLOCK A
STONY VILLAGE CAB. R, PG. 313 P.R.D.C.T.





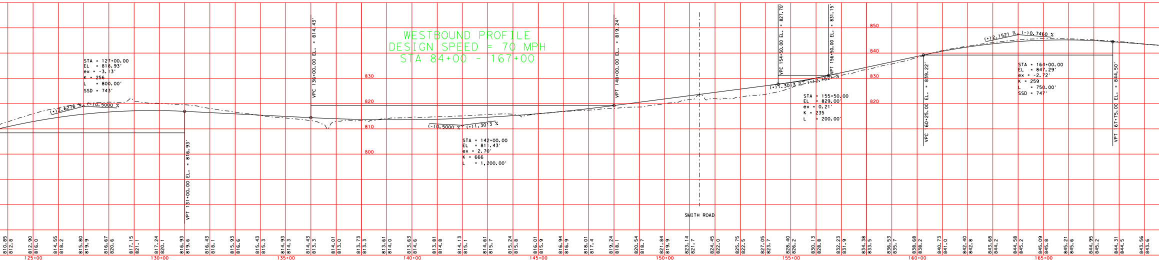

A HERNANDEZ
HERNANDEZ
0719
1 AC.
OWNER:
RONNIE FRICK
DCCF No. 00-016193
R.P.R.D.C.T.
CALLED: 10.000 AC.
OWNER:
WILLIAM CHARLES LOVIL, III
AND MARK WHITE LOVIL
"TRACT III"
DCCF No. 99-095920
R.P.R.D.C.T.
CALLED: 115 AC.
PROPOSED ROW
EXISTING ROW
125+00
130+00
135+00
140+00
145+00
150+00
155+00
160+00
165+00
PC 142+79.52
PC 142+88.60
PT 149+59.24
PT 149+62.43
PC 159+28.39
PC 159+31.98
PT 162+59.32
PT 165+88.85
PT 166+53.68
PT 166+99.47
PI STATION = 146+19.48
DELTA = 3° 22' 18.67" (RT)
DEGREE OF CURVE = 0° 29' 45.84"
TANGENT = 339.96
LENGTH = 679.72
RADIUS = 11,550.00
PC STATION = 142+79.52
PT STATION = 149+59.24
STA. 151+31
EXISTING
7'X3'X84' BC
2-36"X85'-4" RCP
EL. 817.34
DENTON CREEK TRIBUTARY
OWNER:
BILLY V. DAVIS AND
DONNA M. DAVIS
DCCF No. 99-074100
R.P.R.D.C.T.
CALLED: 46.512 AC.
PI STATION = 164+58.99
DELTA = 5° 18' 23.49" (LT)
DEGREE OF CURVE = 0° 30' 01.44"
TANGENT = 530.61
LENGTH = 1,060.46
RADIUS = 11,450.00
PC STATION = 159+28.39
PT STATION = 169+88.84
OWNER:
JOHN HAY
DCCF No. 99-013190
R.P.R.D.C.T.
CALLED: 20.59 AC.
200'
STORAGE LENGTH
300'
TAPER LENGTH
S 81° 57' 59.92" E
969.15
S 81° 57' 59.89" E
969.15
OWNER:
G'VILLE PROPERTIES, L.P.
DCCF No. 02-107455
R.P.R.D.C.T.
OWNER:
STEPHEN L. MARTIN AND
GARY L. MARTIN
VOL. 2136, PG. 941
R.P.R.D.C.T.
OWNER:
STEPHEN L. MARTIN AND
GARY L. MARTIN
DCCF No. 95-075608
R.P.R.D.C.T.
LOT 2
LOT 1
OWNER:
ZB EAGLE PARTNERS
LIMITED PARTNERSHIP
DCCF No. 04-12047
R.P.R.D.C.T.
OWNER:
RICHARD H. KELSEY
VOL. 2528, PG. 73
R.P.R.D.C.T.
OWNER:
KENNETH ANTHONY
LIVELY AND
JEWEL E. LIVELY
DCCF No. 95-036747
R.P.R.D.C.T.
AMANDA COURT
(60' PRIVATE ROW)
Custom Cabinets
STONEY
POINT FARMS
CAB. Q, PG. 337
P.R.D.C.T.
LOT 7
OWNER:
GREGORY K. EDWARDS
VOL. 2528, PG. 73
R.P.R.D.C.T.
DENTON CREEK TRIBUTARY
STA. 137+13
EXISTING
6'X3'X84' BC
EL. 807.76
LOT 8
OWNER:
CHARLES E. NIZIOLEK
DCCF No. 01-85234
R.P.R.D.C.T.
DENTON CREEK TRIBUTARY
STA 144+34
EXISTING
7'X3'X84' BC
2-36"X85'-4" RCP
EL 809.38
OWNER:
JAMES I. HUFFHINES, JR.
VOL. 542, PG. 64
R.P.R.D.C.T.
CALLED: 27.773 AC.
PI STATION = 146+25.61
DELTA = 3° 22' 18.64" (RT)
DEGREE OF CURVE = 0° 30' 01.44"
TANGENT = 337.01
LENGTH = 673.83
RADIUS = 11,450.00
PC STATION = 142+88.60
PT STATION = 149+62.43
300'
TAPER LENGTH
200'
STORAGE LENGTH
PROPOSED ROW
EXISTING ROW
OWNER:
NOBLES FAMILY PARTNERS,
DCCF No. 93-089035
R.P.R.D.C.T.
CALLED: 104.211 AC.

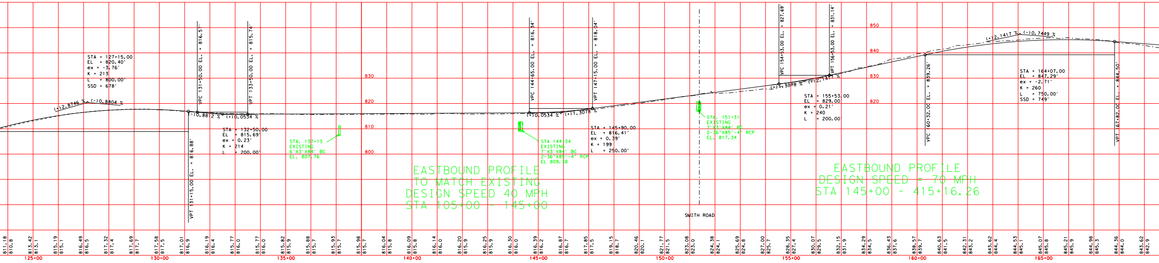
ADT VOLUMES (2003 AND 2023)

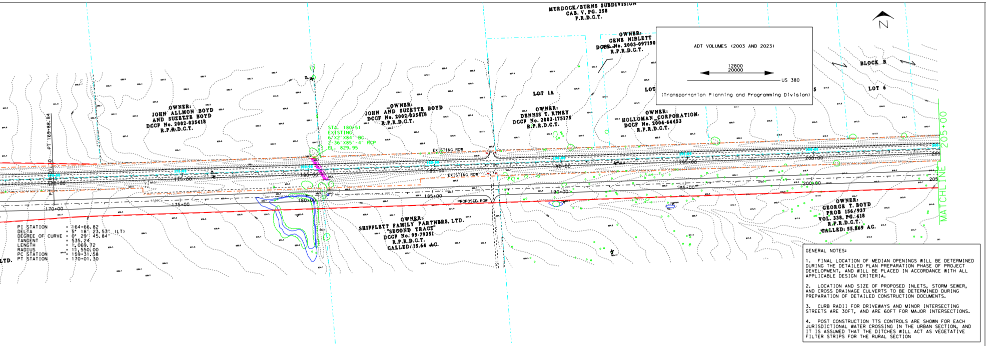
12800
20000

US 380

(Transportation Planning and Programming Division)






MURDOCK/BURNS SUBDIVISION
CAB. V, PG. 258
P.R.D.C.T.
OWNER:
GENE NIBLETT
DCCF No. 2003-097190
R.P.R.D.C.T.
OWNER:
JOHN ALLMON BOYD
AND SUZETTE BOYD
DCCF No. 2002-035418
R.P.R.D.C.T.
OWNER:
JOHN AND SUZETTE BOYD
DCCF No. 2002-035418
R.P.R.D.C.T.
LOT 1A
OWNER:
DENNIS T. RINEY
DCCF No. 2003-175175
R.P.R.D.C.T.
OWNER:
HOLLOMAN CORPORATION
DCCF No. 2004-64453
R.P.R.D.C.T.
BLOCK B
LOT 6
OWNER:
GEORGE T. BOYD
PROB 156/937
VOL. 338, PG. 418
R.P.R.D.C.T.
CALLED: 55.869 AC.
OWNER:
SHIFFLETT FAMILY PARTNERS, LTD.
"SECOND TRACT"
DCCF No. 99-79351
R.P.R.D.C.T.
CALLED: 15.64 AC.
STA. 180+51
EXISTING
6'X2'X84' BC
2-36"X85' -4" RCP
EL. 829.95
EXISTING ROW
PROPOSED ROW
PT 169+88.84
PI STATION = 164+66.82
DELTA = 5° 18' 23.53" (LT)
DEGREE OF CURVE = 0° 29' 45.84"
TANGENT = 535.24
LENGTH = 1,069.72
RADIUS = 11,550.00
PC STATION = 159+31.58
PT STATION = 170+01.30
170+00
175+00
180+00
185+00
190+00
195+00
200+00
205+00
MATCHLINE 205+00
N

ADT VOLUMES (2003 AND 2023)

12800
20000

US 380

(Transportation Planning and Programming Division)

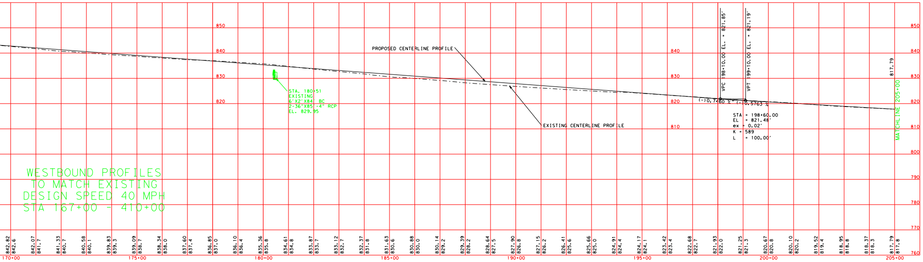
GENERAL NOTES:

1. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED DURING THE DETAILED PLAN PREPARATION PHASE OF PROJECT DEVELOPMENT, AND WILL BE PLACED IN ACCORDANCE WITH ALL APPLICABLE DESIGN CRITERIA.

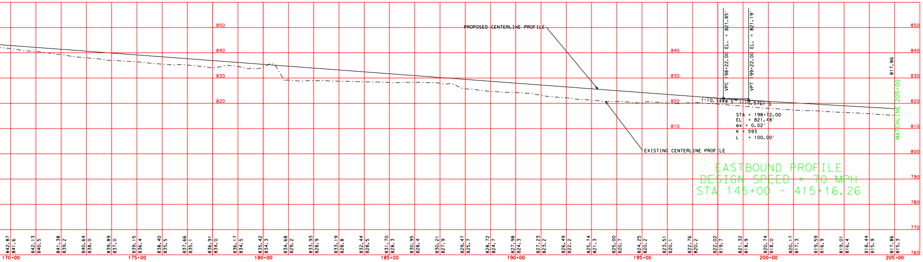
2. LOCATION AND SIZE OF PROPOSED INLETS, STORM SEWER, AND CROSS DRAINAGE CULVERTS TO BE DETERMINED DURING PREPARATION OF DETAILED CONSTRUCTION DOCUMENTS.

3. CURB RADII FOR DRIVEWAYS AND MINOR INTERSECTING STREETS ARE 30FT, AND ARE 60FT FOR MAJOR INTERSECTIONS.

4. POST CONSTRUCTION TTS CONTROLS ARE SHOWN FOR EACH JURISDICTIONAL WATER CROSSING IN THE URBAN SECTION, AND IT IS ASSUMED THAT THE DITCHES WILL ACT AS VEGETATIVE FILTER STRIPS FOR THE RURAL SECTION



WESTBOUND PROFILES
TO MATCH EXISTING
DESIGN SPEED 40 MPH
STA 167+00 - 410+00

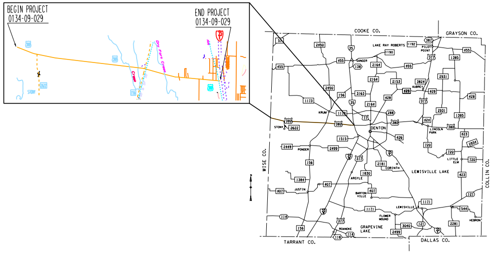


EASTBOUND PROFILE
DESIGN SPEED = 70 MPH
STA 145+00 - 415+16.26

TEXAS DEPARTMENT OF TRANSPORTATION

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380
FROM: DENTON/WISE COUNTY LINE ROAD
TO: IH 35
CONTROL: 0134-09-029
PRINCIPAL ARTERIAL
DENTON COUNTY
DESIGN SPEED=70 mph EB (0+00-105+00, 145+00-415+16.26)
WB (84+00-167+00)
DESIGN SPEED=40 mph WB (0+00-84+00, 167+00-415+00)
EB (105+00-145+00)
DESIGN SPEED=45 mph (415+00-663+19.78)
PROJECT LENGTH = 12.6 miles
SCALE: HORIZONTAL 1:100
ROLL 1 OF 4
APRIL 2004


BEGIN PROJECT
0134-09-029
END PROJECT
0134-09-029
COOKE CO.
GRAYSON CO.
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
LAKE RAY ROBERTS
PILOT POINT
SANGER
KRUM
DENTON
PONDER
JUSTIN
ARGYLE
CORINTH
LITTLE ELM
LEWISVILLE LAKE
LEWISVILLE
BARTONVILLE
FLOWER MOUND
GRAPEVINE LAKE
ROANOKE
HEBRON
AUBREY
LINCOLN PARK
STONY
2622
380
35
377
114
156
121
720
428
2934

NOT A
BIDDING
DOCUMENT

ENGINEER BRUCE WAYNE NOLLEY, P.E.
P.E. NUMBER 82048
DATE APRIL 2, 2004

© 2004 by Texas Department of Transportation:
all rights reserved

Roll 1 of 4 (County Line Road, FM 2622, Smith Road)