TEXAS DEPARTMENT OF TRANSPORTATION

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
US 380

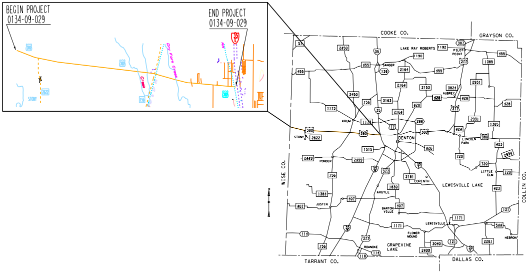
FROM: DENTON/WISE COUNTY LINE ROAD
TO: IH 35
CONTROL: 0134-09-029
PRINCIPAL ARTERIAL
DENTON COUNTY

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 2 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
AUBREY
KRUM
DENTON
STONY
PONDER
LINCOLN PARK
LITTLE ELM
CORINTH
LEWISVILLE LAKE
ARGYLE
JUSTIN
BARTONVILLE
LEWISVILLE
FLOWER MOUND
GRAPEVINE LAKE
ROANOKE
HEBRON

NOT A BIDDING DOCUMENT

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

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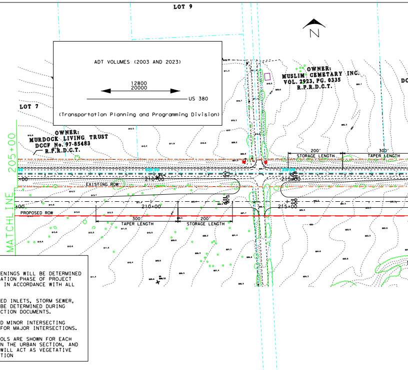
Roll 2 of 4 (Rippy Road, George Owens Road, Trent Road)



LOT 9
LOT 7
N
ADT VOLUMES (2003 AND 2023)
12800
20000
US 380
(Transportation Planning and Programming Division)
OWNER: MUSLIM CEMETARY INC. VOL. 2923, PG. 0335 R.P.R.D.C.T.
OWNER: MURDOCK LIVING TRUST DCCF No. 97-85483 R.P.R.D.C.T.
205+00
MATCHLINE
EXISTING ROW
PROPOSED ROW
210+00
215+00
200' STORAGE LENGTH
300' TAPER LENGTH

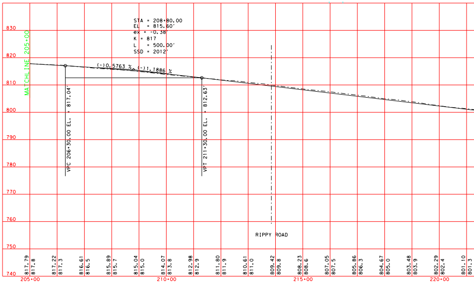
GENERAL NOTES:

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.

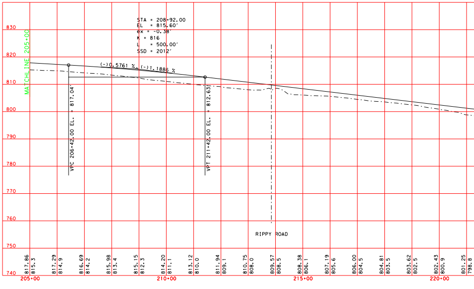
2. LOCATION AND SIZE OF PROPOSED INLETS, STORM SEWER, AND CROSS DRAINAGE CULVERTS TO BE DETERMINED DURING PREPARATION OF DETAILED CONSTRUCTION DOCUMENTS.

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

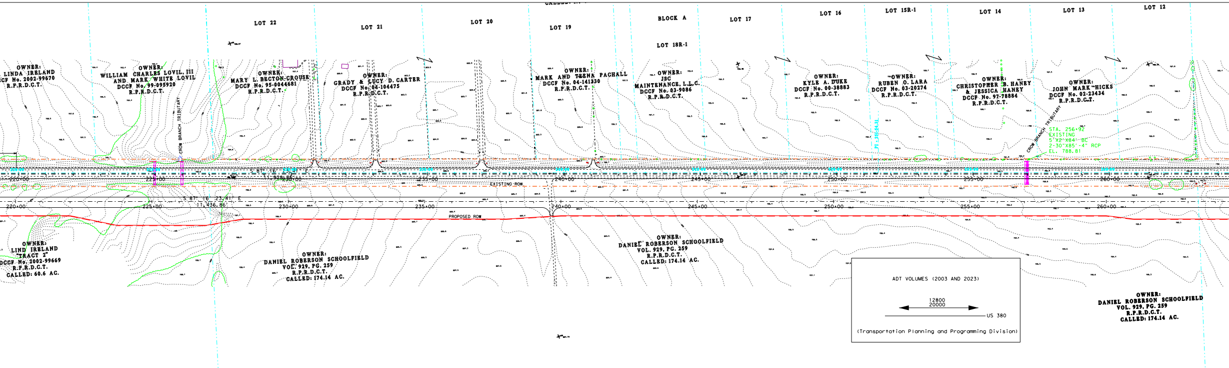
4. POST CONSTRUCTION TTS CONTROLS ARE SHOWN FOR EACH JURISDICTIONAL WATER CROSSING IN THE URBAN SECTION, AND IT IS ASSUMED THAT THE DITCHES WILL ACT AS VEGETATIVE FILTER STRIPS FOR THE RURAL SECTION

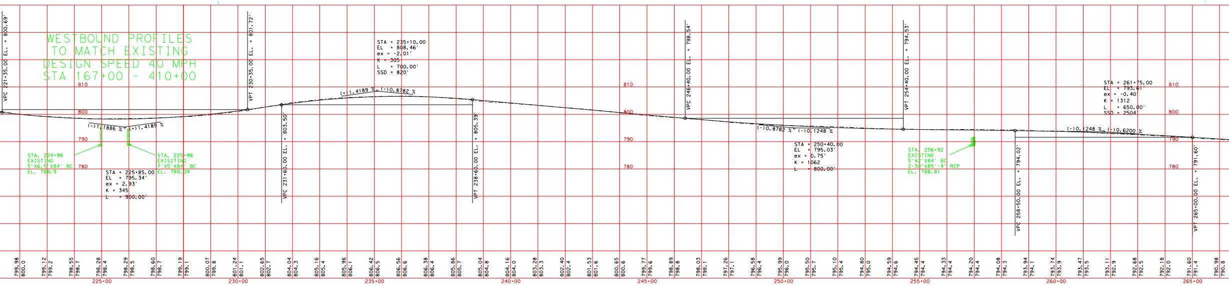


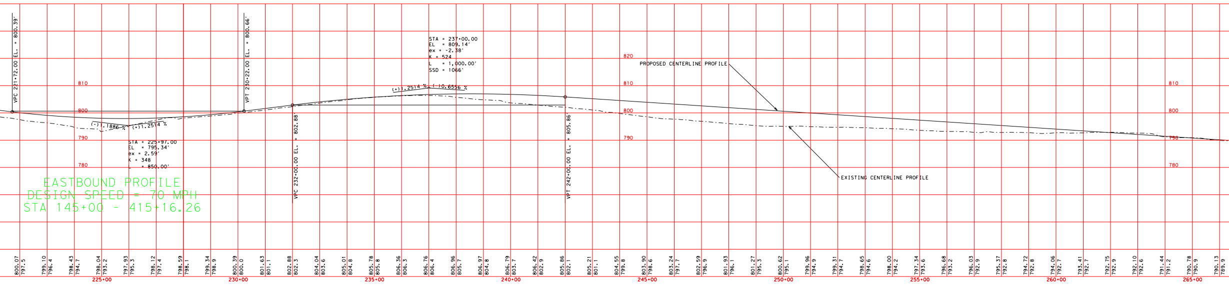
STA = 208+80.00
EL = 815.60'
ex = -0.38'
K = 817
L = 500.00'
SSD = 2012'
(-)0.5763 %
(-)1.1886 %
VPC 206+30.00 EL. = 817.04'
VPT 211+30.00 EL. = 812.63'
MATCHLINE 205+00
RIPPY ROAD
830
820
810
800
790
780
770
760
750
740
205+00
210+00
215+00
220+00

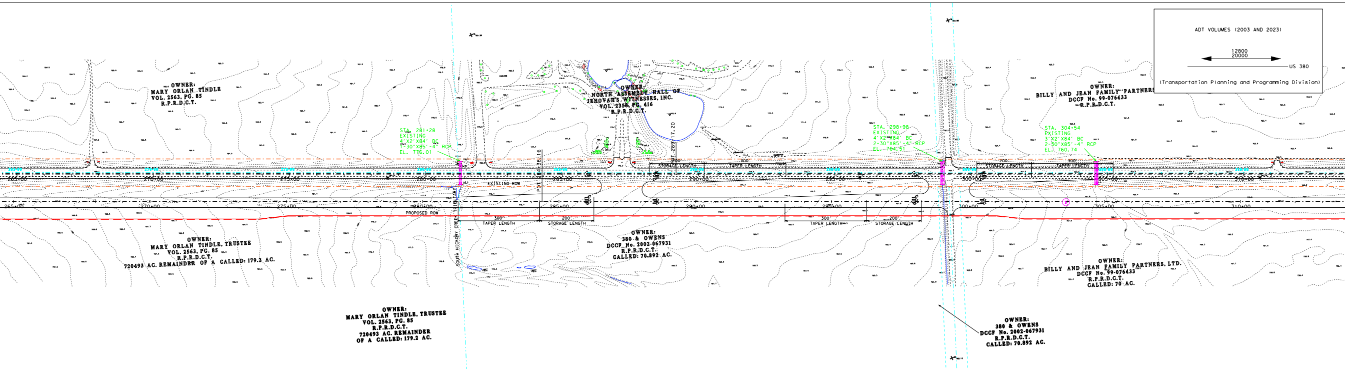


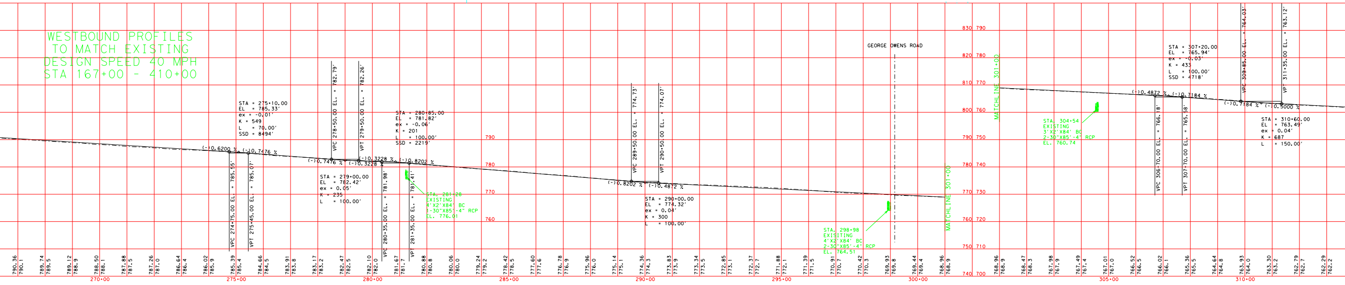
STA = 208+92.00
EL = 815.60'
ex = -0.38'
K = 816
L = 500.00'
SSD = 2012'
(-)0.5761 %
(-)1.1886 %
VPC 206+42.00 EL. = 817.04'
VPT 211+42.00 EL. = 812.63'
MATCHLINE 205+00
RIPPY ROAD
830
820
810
800
790
780
770
760
750
740
205+00
210+00
215+00
220+00

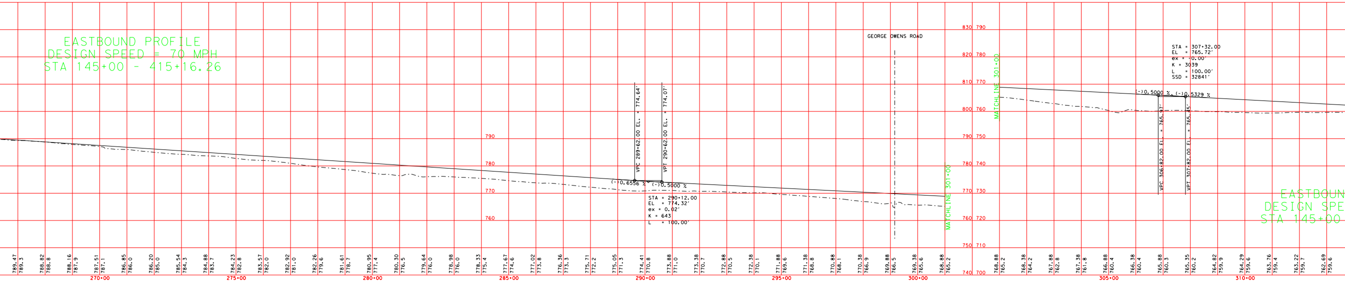

LOT 22
LOT 21
LOT 20
LOT 19
BLOCK A
LOT 18R-1
LOT 17
LOT 16
LOT 15R-1
LOT 14
LOT 13
LOT 12
OWNER: LINDA IRELAND DCCF No. 2002-99670 R.P.R.D.C.T.
OWNER: WILLIAM CHARLES LOVIL, III AND MARK WHITE LOVIL DCCF No. 99-095920 R.P.R.D.C.T.
OWNER: MARY L. BECTON-CROUSE DCCF No. 95-0044681 R.P.R.D.C.T.
OWNER: GRADY & LUCY D. CARTER DCCF No. 04-104475 R.P.R.D.C.T.
OWNER: MARK AND TEENA PACHALL DCCF No. 04-141330 R.P.R.D.C.T.
OWNER: JSC MAINTENANCE, L.L.C. DCCF No. 03-9086 R.P.R.D.C.T.
OWNER: KYLE A. DUKE DCCF No. 00-38883 R.P.R.D.C.T.
OWNER: RUBEN O. LARA DCCF No. 03-20274 R.P.R.D.C.T.
OWNER: CHRISTOPHER B. HANEY & JESSICA HANEY DCCF No. 97-78884 R.P.R.D.C.T.
OWNER: JOHN MARK HICKS DCCF No. 02-23434 R.P.R.D.C.T.
CROW BRANCH TRIBUTARY
STA. 256+92 EXISTING 5'X2'X84' BC 2-30"X85'-4" RCP EL. 788.81
S 87° 16' 23.41" E 11,436.86'
EXISTING ROW
PROPOSED ROW
220+00
225+00
230+00
235+00
240+00
245+00
250+00
255+00
260+00
OWNER: LIND IRELAND "TRACT 2" DCCF No. 2002-99669 R.P.R.D.C.T. CALLED: 60.6 AC.
OWNER: DANIEL ROBERSON SCHOOLFIELD VOL. 929, PG. 259 R.P.R.D.C.T. CALLED: 174.14 AC.
OWNER: DANIEL ROBERSON SCHOOLFIELD VOL. 929, PG. 259 R.P.R.D.C.T. CALLED: 174.14 AC.
OWNER: DANIEL ROBERSON SCHOOLFIELD VOL. 929, PG. 259 R.P.R.D.C.T. CALLED: 174.14 AC.
ADT VOLUMES (2003 AND 2023)
12800
20000
US 380
(Transportation Planning and Programming Division)

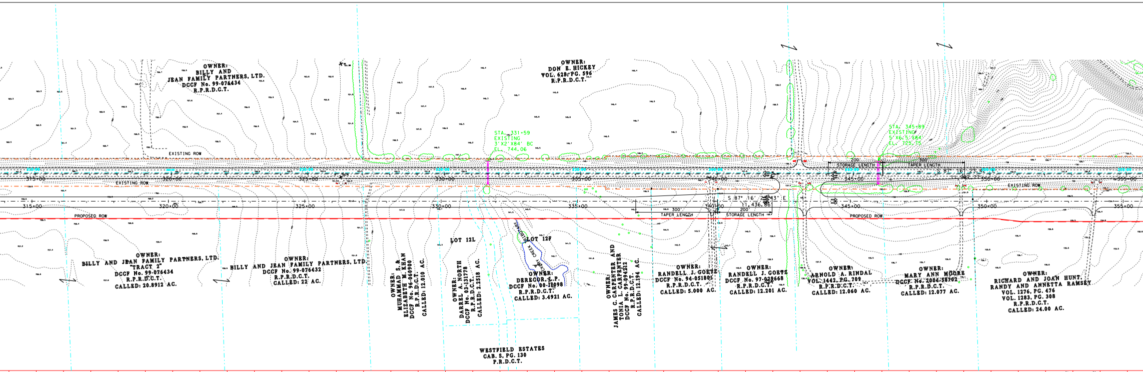

WESTBOUND PROFILES TO MATCH EXISTING
DESIGN SPEED 40 MPH
STA 167+00 - 410+00
VPC 221+35.00 EL. = 800.69'
VPT 230+35.00 EL. = 801.72'
VPC 231+60.00 EL. = 803.50'
VPT 238+60.00 EL. = 805.39'
VPC 246+40.00 EL. = 798.54'
VPT 254+40.00 EL. = 794.53'
VPC 258+50.00 EL. = 794.02'
VPT 265+00.00 EL. = 791.60'
STA = 235+10.00
EL = 808.46'
ex = -2.01'
K = 305
L = 700.00'
SSD = 820'
(+)1.4189 %
(-)0.8782 %
(-)1.1886 %
(+)1.4189 %
STA. 224+98 EXISTING 5'X6.5'X84' BC EL. 788.9
STA. 225+98 EXISITING 7'X5'X84' BC EL. 789.09
STA = 225+85.00
EL = 795.34'
ex = 2.93'
K = 345
L = 900.00'
(-)0.8782 %
(-)0.1248 %
STA = 250+40.00
EL = 795.03'
ex = 0.75'
K = 1062
L = 800.00'
STA. 256+92 EXISTING 5'X2'X84' BC 2-30"X85'-4" RCP EL. 788.81
STA = 261+75.00
EL = 793.61'
ex = -0.40'
K = 1312
L = 650.00'
SSD = 2504'
(-)0.1248 %
(-)0.6200 %
810
800
790
780
799.98 800.0
799.12 799.2
798.55 798.7
798.28 798.4
798.29 798.5
798.60 798.7
799.19 799.1
800.07 799.8
801.24 801.1
802.65 802.7
804.04 804.3
805.16 805.4
805.96 806.1
806.42 806.5
806.56 806.6
806.38 806.4
805.86 805.7
805.04 804.8
804.16 804.0
803.28 803.3
802.40 802.4
801.53 801.6
800.65 800.6
799.77 799.6
798.89 798.8
798.03 798.1
797.26 797.1
796.58 796.4
795.99 796.0
795.50 795.7
795.10 795.4
794.80 795.0
794.59 794.6
794.45 794.4
794.33 794.4
794.20 794.4
794.08 794.3
793.94 794.1
793.74 793.9
793.47 793.5
793.11 792.9
792.68 792.5
792.18 792.0
791.60 791.4
790.98 790.8
225+00
230+00
235+00
240+00
245+00
250+00
255+00
260+00
265+00

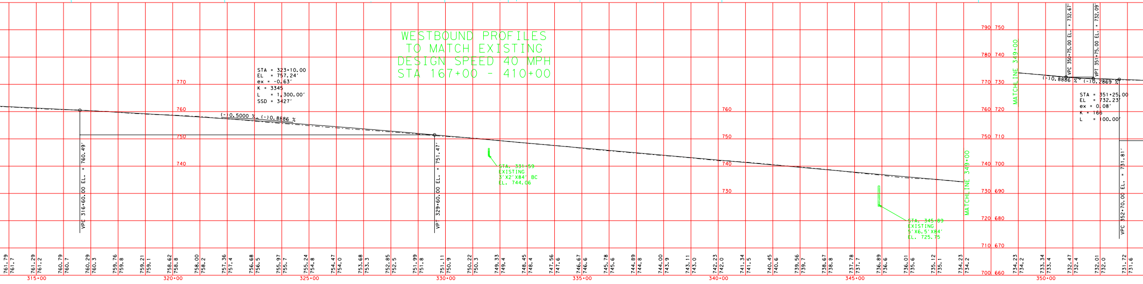

VPC 221+72.00 EL. = 800.39'
VPT 230+22.00 EL. = 800.66'
VPC 232+00.00 EL. = 802.88'
VPT 242+00.00 EL. = 805.86'
STA = 237+00.00
EL = 809.14'
ex = -2.38'
K = 524
L = 1,000.00'
SSD = 1066'
(+)1.2514 %
(-)0.6556 %
(-)1.1886 %
(+)1.2514 %
STA = 225+97.00
EL = 795.34'
ex = 2.59'
K = 348
L = 850.00'
PROPOSED CENTERLINE PROFILE
EXISTING CENTERLINE PROFILE
EASTBOUND PROFILE
DESIGN SPEED = 70 MPH
STA 145+00 - 415+16.26
820
810
800
790
780
800.07 797.5
799.10 796.4
798.43 794.7
798.04 793.2
797.93 795.3
798.12 797.4
798.59 798.1
799.34 798.9
800.39 800.0
801.63 801.1
802.88 802.3
804.04 803.6
805.01 804.8
805.78 805.8
806.36 806.3
806.76 806.4
806.96 805.7
806.97 804.8
806.79 803.7
806.42 802.9
805.86 802.1
805.21 801.1
804.55 799.8
803.90 798.6
803.24 797.7
802.59 796.9
801.93 796.1
801.27 795.3
800.62 795.1
799.96 794.9
799.31 794.7
798.65 794.6
798.00 794.2
797.34 793.6
796.68 793.2
796.03 792.9
795.37 792.8
794.72 792.8
794.06 792.7
793.41 792.7
792.75 792.9
792.10 792.6
791.44 791.2
790.78 790.9
790.13 789.9
225+00
230+00
235+00
240+00
245+00
250+00
255+00
260+00
265+00

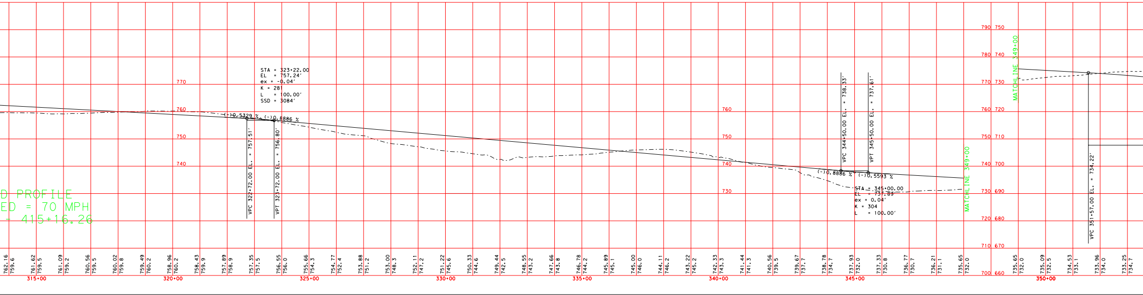

ADT VOLUMES (2003 AND 2023)
12800
20000
US 380
(Transportation Planning and Programming Division)
OWNER:
MARY ORLAN TINDLE
VOL. 2563, PG. 85
R.P.R.D.C.T.
OWNER:
NORTH ASSEMBLY HALL OF
JEHOVAH'S WITNESSES, INC.
VOL. 2358, PG. 416
R.P.R.D.C.T.
OWNER:
BILLY AND JEAN FAMILY PARTNERS
DCCF No. 99-076433
R.P.R.D.C.T.
STA. 281+28
EXISTING
4'X2'X84' BC
1-30"X85'-4" RCP
EL. 776.01
STA. 298+98
EXISTING
4'X2'X84' BC
2-30"X85'-4" RCP
EL. 764.51
STA. 304+54
EXISTING
3'X2'X84' BC
2-30"X85'-4" RCP
EL. 760.74
POT 284+38.16
POT 289+17.20
200'
STORAGE LENGTH
300'
TAPER LENGTH
EXISTING ROW
PROPOSED ROW
265+00
270+00
275+00
280+00
285+00
290+00
295+00
300+00
305+00
310+00
SOUTH HICKORY CREEK TRIBUTARY
300'
TAPER LENGTH
200'
STORAGE LENGTH
OWNER:
MARY ORLAN TINDLE, TRUSTEE
VOL. 2563, PG. 85
R.P.R.D.C.T.
720493 AC. REMAINDER OF A CALLED: 179.2 AC.
OWNER:
380 & OWENS
DCCF No. 2002-067931
R.P.R.D.C.T.
CALLED: 70.892 AC.
OWNER:
BILLY AND JEAN FAMILY PARTNERS, LTD.
DCCF No. 99-076433
R.P.R.D.C.T.
CALLED: 70 AC.
OWNER:
MARY ORLAN TINDLE, TRUSTEE
VOL. 2563, PG. 85
R.P.R.D.C.T.
720493 AC. REMAINDER
OF A CALLED: 179.2 AC.
OWNER:
380 & OWENS
DCCF No. 2002-067931
R.P.R.D.C.T.
CALLED: 70.892 AC.

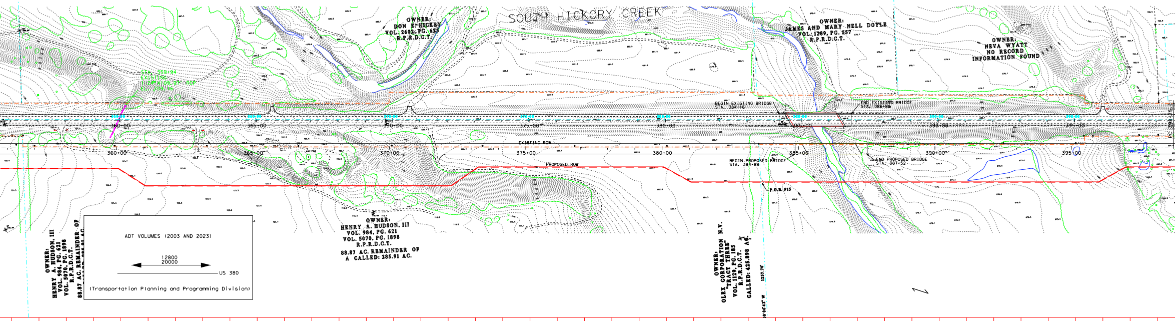

WESTBOUND PROFILES
TO MATCH EXISTING
DESIGN SPEED 40 MPH
STA 167+00 - 410+00
STA = 275+10.00
EL = 785.33'
ex = -0.01'
K = 549
L = 70.00'
SSD = 8494'
VPC 274+75.00 EL = 785.55'
VPT 275+45.00 EL = 785.07'
(-)0.6200 %
(-)0.7476 %
VPC 278+50.00 EL. = 782.79'
VPT 279+50.00 EL. = 782.26'
(-)0.7476 %
(-)0.3228 %
STA = 279+00.00
EL = 782.42'
ex = 0.05'
K = 235
L = 100.00'
STA = 280+85.00
EL = 781.82'
ex = -0.06'
K = 201
L = 100.00'
SSD = 2219'
VPC 280+35.00 EL. = 781.98'
VPT 281+35.00 EL. = 781.41'
(-)0.3228 %
(-)0.8202 %
STA. 281+28
EXISTING
4'X2'X84' BC
1-30"X85'-4" RCP
EL. 776.01
VPC 289+50.00 EL. = 774.73'
VPT 290+50.00 EL. = 774.07'
(-)0.8202 %
(-)0.4872 %
STA = 290+00.00
EL = 774.32'
ex = 0.04'
K = 300
L = 100.00'
GEORGE OWENS ROAD
STA. 298+98
EXISITING
4'X2'X84' BC
2-30"X85'-4" RCP
EL. 764.51
MATCHLINE 301+00
MATCHLINE 301+00
STA. 304+54
EXISTING
3'X2'X84' BC
2-30"X85'-4" RCP
EL. 760.74
(-)0.4872 %
(-)0.7184 %
STA = 307+20.00
EL = 765.94'
ex = -0.03'
K = 433
L = 100.00'
SSD = 4718'
VPC 306+70.00 EL. = 766.18'
VPT 307+70.00 EL. = 765.58'
VPC 309+85.00 EL. = 764.03'
VPT 311+35.00 EL. = 763.12'
(-)0.7184 %
(-)0.5000 %
STA = 310+60.00
EL = 763.49'
ex = 0.04'
K = 687
L = 150.00'
790
780
770
760
830 790
820 780
810 770
800 760
790 750
780 740
770 730
760 720
750 710
740 700
790.36 790.1
789.74 789.5
789.12 788.9
788.50 788.1
787.88 787.5
787.26 787.0
786.64 786.4
786.02 785.9
785.39 785.4
784.66 784.5
783.91 783.8
783.17 783.2
782.47 782.5
782.10 782.0
781.67 781.7
780.88 780.8
780.06 780.0
779.24 779.2
778.42 778.5
777.60 777.6
776.78 776.9
775.96 776.0
775.14 775.1
774.36 774.3
773.83 773.9
773.34 773.5
772.85 773.1
772.37 772.7
771.88 772.1
771.39 771.5
770.91 770.7
770.42 770.3
769.93 769.8
769.44 769.4
768.96 768.9
768.96 768.9
768.47 768.3
767.98 767.9
767.49 767.4
767.01 767.0
766.52 766.5
766.02 766.1
765.36 765.5
764.64 764.8
763.93 764.0
763.30 763.2
762.79 762.7
762.29 762.2
270+00
275+00
280+00
285+00
290+00
295+00
300+00
305+00
310+00

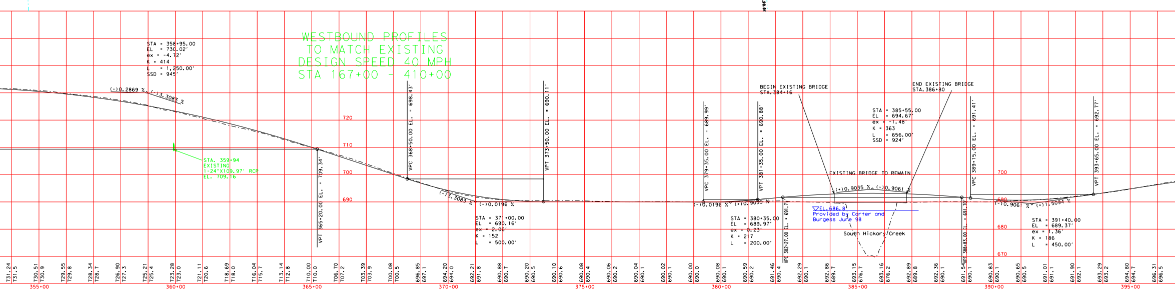

EASTBOUND PROFILE
DESIGN SPEED = 70 MPH
STA 145+00 - 415+16.26
VPC 289+62.00 EL. = 774.64'
VPT 290+62.00 EL. = 774.07'
(-)0.6556 %
(-)0.5000 %
STA = 290+12.00
EL = 774.32'
ex = 0.02'
K = 643
L = 100.00'
GEORGE OWENS ROAD
MATCHLINE 301+00
MATCHLINE 301+00
STA = 307+32.00
EL = 765.72'
ex = -0.00'
K = 3039
L = 100.00'
SSD = 32841'
(-)0.5000 %
(-)0.5329 %
VPC 306+82.00 EL. = 765.97'
VPT 307+82.00 EL. = 765.45'
EASTBOUN
DESIGN SPE
STA 145+00
790
780
770
760
830 790
820 780
810 770
800 760
790 750
780 740
770 730
760 720
750 710
740 700
789.47 789.3
788.82 788.8
788.16 787.9
787.51 787.1
786.85 786.0
786.20 785.0
785.54 784.3
784.88 783.7
784.23 782.8
783.57 782.0
782.92 781.0
782.26 779.6
781.61 778.7
780.95 777.4
780.30 776.5
779.64 776.0
778.98 776.0
778.33 775.4
777.67 774.6
777.02 773.8
776.36 773.3
775.71 772.2
775.05 771.3
774.41 770.8
773.88 771.0
773.38 770.7
772.88 770.5
772.38 770.1
771.88 769.6
771.38 768.8
770.88 768.1
770.38 766.9
769.88 766.5
769.38 765.6
768.88 765.2
768.88 765.2
768.38 764.2
767.88 762.8
767.38 761.8
766.88 760.4
766.38 760.4
765.88 760.3
765.35 760.2
764.82 759.9
764.29 759.6
763.76 759.4
763.22 759.7
762.69 759.6
270+00
275+00
280+00
285+00
290+00
295+00
300+00
305+00
310+00

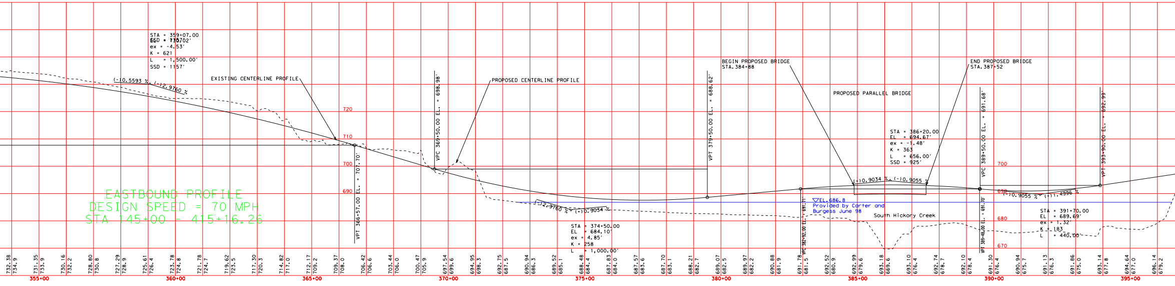

OWNER:
BILLY AND
JEAN FAMILY PARTNERS, LTD.
DCCF No. 99-076434
R.P.R.D.C.T.
OWNER:
DON E. HICKEY
VOL. 628, PG. 596
R.P.R.D.C.T.
EXISTING ROW
STA. 331+59
EXISTING
3'X2'X84' BC
EL. 744.06
STA. 345+89
EXISTING
5'X6.5'X84'
EL. 725.75
315+00
320+00
325+00
330+00
335+00
340+00
345+00
350+00
355+00
200'
STORAGE LENGTH
300'
TAPER LENGTH
S 87° 16' 23.42" E
11,987.77'
EXISTING ROW
S 87° 16' 23.43" E
11,436.86'
300'
TAPER LENGTH
200'
STORAGE LENGTH
PROPOSED ROW
LOT 12L
LOT 12F
TRIBUTARY
CREEK
OWNER:
BILLY AND JEAN FAMILY PARTNERS, LTD.
"TRACT 2"
DCCF No. 99-076434
R.P.R.D.C.T.
CALLED: 20.8912 AC.
OWNER:
BILLY AND JEAN FAMILY PARTNERS, LTD.
DCCF No. 99-076432
R.P.R.D.C.T.
CALLED: 22 AC.
OWNER:
MUHAMMAD S. &
ELIZABETH M. KHAN
DCCF No. 96-060900
R.P.R.D.C.T.
CALLED: 12.010 AC.
OWNER:
DARREL A. NORTH
DCCF No. 03-131778
R.P.R.D.C.T.
CALLED: 2.2518 AC.
OWNER:
DERECOR, L.P.
DCCF No. 00-11098
R.P.R.D.C.T.
CALLED: 3.4921 AC.
WESTFIELD ESTATES
CAB. S, PG. 130
P.R.D.C.T.
OWNER:
JAMES C. CARPENTER AND
TONIA L. CARPENTER
DCCF No. 99-094212
R.P.R.D.C.T.
CALLED: 12.194 AC.
OWNER:
RANDELL J. GOETZ
DCCF No. 94-051801
R.P.R.D.C.T.
CALLED: 5.000 AC.
OWNER:
RANDELL J. GOETZ
DCCF No. 97-029668
R.P.R.D.C.T.
CALLED: 12.201 AC.
OWNER:
ARNOLD A. RINDAL
VOL. 1442, PG. 709
R.P.R.D.C.T.
CALLED: 12.060 AC.
OWNER:
MARY ANN MOORE
DCCF No. 2004-58702
R.P.R.D.C.T.
CALLED: 12.077 AC.
OWNER:
RICHARD AND JOAN HUNT,
RANDY AND ANNETTA RAMSEY
VOL. 1276, PG. 476
VOL. 1283, PG. 308
R.P.R.D.C.T.
CALLED: 24.00 AC.

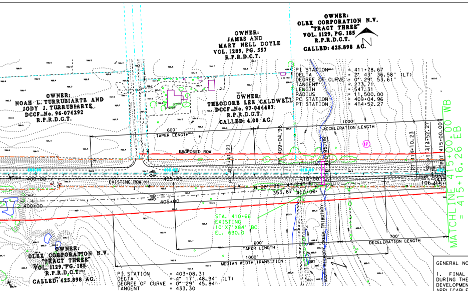

WESTBOUND PROFILES
TO MATCH EXISTING
DESIGN SPEED 40 MPH
STA 167+00 - 410+00
STA = 323+10.00
EL = 757.24'
ex = -0.63'
K = 3345
L = 1,300.00'
SSD = 3427'
(-)0.5000 %
(-)0.8886 %
VPC 316+60.00 EL. = 760.49'
VPT 329+60.00 EL. = 751.47'
STA. 331+59
EXISTING
3'X2'X84' BC
EL. 744.06
STA. 345+89
EXISTING
5'X6.5'X84'
EL. 725.75
MATCHLINE 349+00
MATCHLINE 349+00
VPC 350+75.00 EL. = 732.67'
VPT 351+75.00 EL. = 732.09'
(-)0.8886 %
(-)0.2869 %
STA = 351+25.00
EL = 732.23'
ex = 0.08'
K = 166
L = 100.00'
VPC 352+70.00 EL. = 731.81'
770
760
750
740
730
760
750
740
730
790 750
780 740
770 730
760 720
750 710
740 700
730 690
720 680
710 670
700 660
761.79 761.7
761.29 761.2
760.79 760.7
760.29 760.3
759.76 759.8
759.21 759.1
758.62 758.8
758.00 758.2
757.36 757.4
756.68 756.5
755.97 756.0
755.24 754.8
754.47 754.0
753.68 753.3
752.85 752.5
751.99 751.8
751.11 750.9
750.22 750.3
749.33 749.4
748.45 748.4
747.56 747.6
746.67 746.6
745.78 745.6
744.89 744.8
744.00 743.9
743.11 743.0
742.23 742.0
741.34 741.5
740.45 740.6
739.56 739.7
738.67 738.8
737.78 737.7
736.89 736.6
736.01 735.6
735.12 735.1
734.23 734.2
734.23 734.2
734.23 734.2
733.34 733.4
732.47 732.4
732.01 732.0
731.72 731.6
315+00
320+00
325+00
330+00
335+00
340+00
345+00
350+00


D PROFILE
ED = 70 MPH
- 415+16.26
STA = 323+22.00
EL = 757.24'
ex = -0.04'
K = 281
L = 100.00'
SSD = 3084'
(-)0.5329 %
(-)0.8886 %
VPC 322+72.00 EL. = 757.51'
VPT 323+72.00 EL. = 756.80'
VPC 344+50.00 EL. = 738.33'
VPT 345+50.00 EL. = 737.61'
(-)0.8886 %
(-)0.5593 %
STA = 345+00.00
EL = 737.89'
ex = 0.04'
K = 304
L = 100.00'
MATCHLINE 349+00
MATCHLINE 349+00
VPC 351+57.00 EL. = 734.22'
770
760
750
740
730
760
750
740
730
790 750
780 740
770 730
760 720
750 710
740 700
730 690
720 680
710 670
700 660
762.16 759.6
761.62 761.2
761.09 759.2
760.56 759.5
760.02 759.8
759.49 760.2
758.96 760.2
758.43 759.9
757.89 758.9
757.35 757.5
756.55 756.0
755.66 754.3
754.77 752.4
753.88 751.2
753.00 748.3
752.11 747.2
751.22 745.6
750.33 744.6
749.44 742.5
748.55 743.2
747.66 743.8
746.78 744.2
745.89 745.1
745.00 746.0
744.11 746.2
743.22 745.2
742.33 743.3
741.44 741.3
740.56 739.5
739.67 737.7
738.78 734.7
737.93 732.0
737.33 730.8
736.77 730.7
736.21 731.1
735.65 732.0
735.65 732.0
735.09 732.5
734.53 733.1
733.96 734.0
733.25 734.7
315+00
320+00
325+00
330+00
335+00
340+00
345+00
350+00


SOUTH HICKORY CREEK
OWNER:
DON E. HICKEY
VOL. 2602, PG. 623
R.P.R.D.C.T.
OWNER:
JAMES AND MARY NELL DOYLE
VOL. 1269, PG. 557
R.P.R.D.C.T.
OWNER:
NEVA WYATT
NO RECORD
INFORMATION FOUND
BEGIN EXISTING BRIDGE
STA. 384+16
END EXISTING BRIDGE
STA. 386+80
360+00
365+00
370+00
375+00
380+00
385+00
390+00
395+00
EXISTING ROW
PROPOSED ROW
BEGIN PROPOSED BRIDGE
STA. 384+88
END PROPOSED BRIDGE
STA. 387+52
P.O.B. P15
OWNER:
HENRY A. HUDSON, III
VOL. 984, PG. 621
VOL. 5070, PG. 1898
R.P.R.D.C.T.
88.87 AC. REMAINDER OF
A CALLED: 285.91 AC.
OWNER:
HENRY A. HUDSON, III
VOL. 984, PG. 621
VOL. 5070, PG. 1898
R.P.R.D.C.T.
88.87 AC. REMAINDER OF
OWNER:
OLEX CORPORATION N.V.
"TRACT THREE"
VOL. 1129, PG. 185
R.P.R.D.C.T.
CALLED: 425.898 AC.
ADT VOLUMES (2003 AND 2023)
12800
20000
US 380
(Transportation Planning and Programming Division)


WESTBOUND PROFILES
TO MATCH EXISTING
DESIGN SPEED 40 MPH
STA 167+00 - 410+00
STA = 358+95.00
EL = 730.02'
ex = -4.72'
K = 414
L = 1,250.00'
SSD = 945'
(-)0.2869 %
(-)3.3083 %
STA. 359+94
EXISTING
1-24"X108.97' RCP
EL. 709.16
VPT 365+20.00 EL. = 709.34'
VPC 368+50.00 EL. = 698.43'
VPT 373+50.00 EL. = 690.11'
(-)3.3083 %
(-)0.0196 %
STA = 371+00.00
EL = 690.16'
ex = 2.06'
K = 152
L = 500.00'
720
710
700
690
680
670
VPC 379+35.00 EL. = 689.99'
VPT 381+35.00 EL. = 690.88'
(-)0.0196 %
(+)0.9035 %
STA = 380+35.00
EL = 689.97'
ex = 0.23'
K = 217
L = 200.00'
VPC 382+27.00 EL. = 691.71'
BEGIN EXISTING BRIDGE
STA. 384+16
END EXISTING BRIDGE
STA. 386+80
STA = 385+55.00
EL = 694.67'
ex = -1.48'
K = 363
L = 656.00'
SSD = 924'
EXISTING BRIDGE TO REMAIN
(+)0.9035 %
(-)0.9061 %
▽EL. 686.8
Provided by Carter and
Burgess June 98
South Hickory Creek
VPT 388+83.00 EL. = 691.70'
VPC 389+15.00 EL. = 691.41'
VPT 393+65.00 EL. = 692.77'
(-)0.9061 %
(+)1.5094 %
STA = 391+40.00
EL = 689.37'
ex = 1.36'
K = 186
L = 450.00'
731.24 731.5
730.51 730.9
729.55 729.8
728.34 728.7
726.90 727.3
725.21 725.4
723.28 723.0
721.11 720.6
718.69 718.0
716.04 715.7
713.14 712.8
710.00 710.0
706.70 707.2
703.39 703.9
700.08 700.5
696.85 697.1
694.20 694.0
692.21 691.8
690.88 690.7
690.20 690.5
690.10 690.6
690.08 690.4
690.06 690.2
690.04 690.1
690.02 690.1
690.00 690.0
690.08 690.1
690.59 690.2
691.46 690.4
692.29 690.1
692.86 689.7
693.15 676.7
693.16 676.2
692.89 689.8
692.36 690.1
691.54 690.1
690.83 690.1
690.65 690.5
691.01 691.1
691.90 692.1
693.29 693.2
694.80 694.7
696.31 696.5
355+00
360+00
365+00
370+00
375+00
380+00
385+00
390+00
395+00


STA = 359+07.00
EL = 730.02'
ex = -4.53'
K = 621
L = 1,500.00'
SSD = 1157'
(-)0.5593 %
(-)2.9760 %
EXISTING CENTERLINE PROFILE
PROPOSED CENTERLINE PROFILE
VPT 366+57.00 EL. = 707.70'
VPC 369+50.00 EL. = 698.98'
(-)2.9760 %
(+)0.9034 %
STA = 374+50.00
EL = 684.10'
ex = 4.85'
K = 258
L = 1,000.00'
VPT 379+50.00 EL. = 688.62'
720
710
700
690
680
670
EASTBOUND PROFILE
DESIGN SPEED = 70 MPH
STA 145+00 - 415+16.26
BEGIN PROPOSED BRIDGE
STA. 384+88
END PROPOSED BRIDGE
STA. 387+52
PROPOSED PARALLEL BRIDGE
STA = 386+20.00
EL = 694.67'
ex = -1.48'
K = 363
L = 656.00'
SSD = 925'
(+)0.9034 %
(-)0.9055 %
VPC 382+92.00 EL. = 691.71'
▽EL. 686.8
Provided by Carter and
Burgess June 98
South Hickory Creek
VPC 389+50.00 EL. = 691.68'
VPT 389+48.00 EL. = 691.70'
VPT 393+90.00 EL. = 692.99'
(-)0.9055 %
(+)1.4996 %
STA = 391+70.00
EL = 689.69'
ex = 1.32'
K = 183
L = 440.00'
732.38 734.9
731.35 733.9
730.16 732.2
728.80 730.8
727.29 728.9
725.61 726.4
723.78 724.8
721.78 724.7
719.62 723.5
717.30 720.3
714.82 717.0
712.17 709.2
709.37 708.0
706.42 706.6
703.44 706.0
700.47 705.9
697.54 699.6
694.95 698.3
692.75 687.5
690.94 686.3
689.52 685.1
688.48 684.4
687.83 684.0
687.57 683.6
687.70 683.1
688.21 682.7
689.07 682.5
689.97 682.2
690.88 681.9
691.78 681.5
692.52 680.9
692.99 679.6
693.18 669.6
693.10 676.4
692.74 678.7
692.10 678.4
691.30 676.4
690.94 675.7
691.13 676.3
691.86 675.0
693.14 677.8
694.64 677.0
696.14 679.2
355+00
360+00
365+00
370+00
375+00
380+00
385+00
390+00
395+00


OWNER:
OLEX CORPORATION N.V.
"TRACT THREE"
VOL. 1129, PG. 185
R.P.R.D.C.T.
CALLED: 425.898 AC.
N
OWNER:
JAMES AND
MARY NELL DOYLE
VOL. 1289, PG. 557
R.P.R.D.C.T.
OWNER:
NOAH L. TURRUBIARTE AND
JODY J. TURRUBIARTE
DCCF No. 96-074292
R.P.R.D.C.T.
OWNER:
THEODORE LEE CALDWELL
DCCF No. 97-044487
R.P.R.D.C.T.
CALLED: 4.00 AC.
600'
TAPER LENGTH
1000'
ACCELERATION LENGTH
PROPOSED ROW
EXISTING ROW
400+00
405+00
410+00
PT 407+41.21
PC 409+04.96
PC 410+95.08
PT 414+10.23
PT 414+52.27
PT 415+00.00
N 88° 25' 47.24" E
353.87
17
STA. 410+66
EXISTING
10'X7'X84' BC
EL. 690.0
SOUTH HICKORY CREEK TRIBUTARY
600'
TAPER LENGTH
700'
DECELERATION LENGTH
1000'
MEDIAN WIDTH TRANSITION
OWNER:
OLEX CORPORATION N.V.
"TRACT THREE"
VOL. 1129, PG. 185
R.P.R.D.C.T.
CALLED: 425.898 AC.
MATCHLINE 415+00.00 WB
= 415+16.26 EB

PI STATION = 411+78.67
DELTA = 2° 43' 36.58" (LT)
DEGREE OF CURVE = 0° 29' 53.61"
TANGENT = 273.71
LENGTH = 547.31
RADIUS = 11,500.00
PC STATION = 409+04.96
PT STATION = 414+52.27

PI STATION = 403+08.31
DELTA = 4° 17' 48.94" (LT)
DEGREE OF CURVE = 0° 29' 45.84"
TANGENT = 433.30
LENGTH = 866.20
RADIUS = 11,550.00
PC STATION = 398+75.01
PT STATION = 407+41.21

PI STATION = 412+52.66
DELTA = 1° 34' 12.54" (RT)
DEGREE OF CURVE = 0° 29' 53.61"
TANGENT = 157.58
LENGTH = 315.15
RADIUS = 11,500.00
PC STATION = 410+95.08
PT STATION = 414+10.23

GENERAL NOTES:

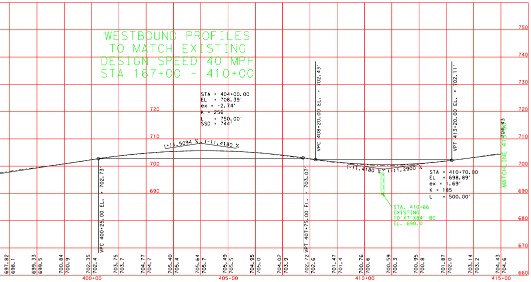
1. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED DURING THE DETAILED PLAN PREPARATION PHASE OF PROJECT DEVELOPMENT, AND WILL BE PLACED IN ACCORDANCE WITH ALL APPLICABLE DESIGN CRITERIA.

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

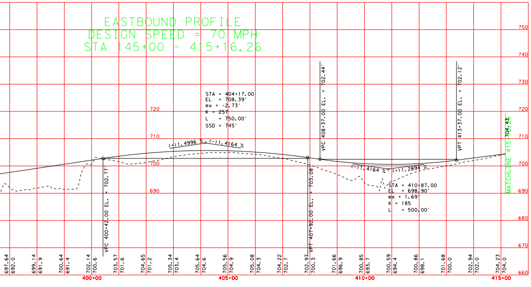
3. CURB RADII FOR DRIVEWAYS AND MINOR INTERSECTING STREETS ARE 30FT, AND ARE 60FT FOR MAJOR INTERSECTIONS.

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

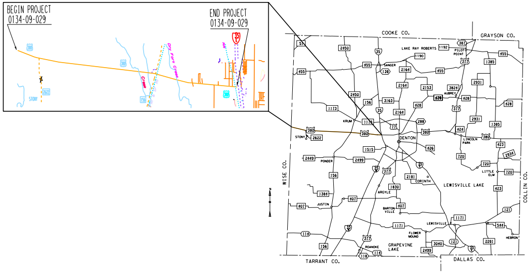
CONTROL: 0134-09-029
PRINCIPAL ARTERIAL
DENTON COUNTY

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 2 OF 4
APRIL 2004

BEGIN PROJECT
0134-09-029

END PROJECT
0134-09-029


COOKE CO.
GRAYSON CO.
LAKE RAY ROBERTS
PILOT POINT
SANGER
AUBREY
KRUM
DENTON
STONY
PONDER
LINCOLN PARK
LITTLE ELM
CORINTH
ARGYLE
LEWISVILLE LAKE
JUSTIN
BARTON VILLE
LEWISVILLE
FLOWER MOUND
ROANOKE
GRAPEVINE LAKE
HEBRON
WISE CO.
COLLIN CO.
TARRANT CO.
DALLAS CO.
380
35

NOT A
BIDDING
DOCUMENT

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

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Roll 2 of 4 (Rippy Road, George Owens Road, Trent Road)