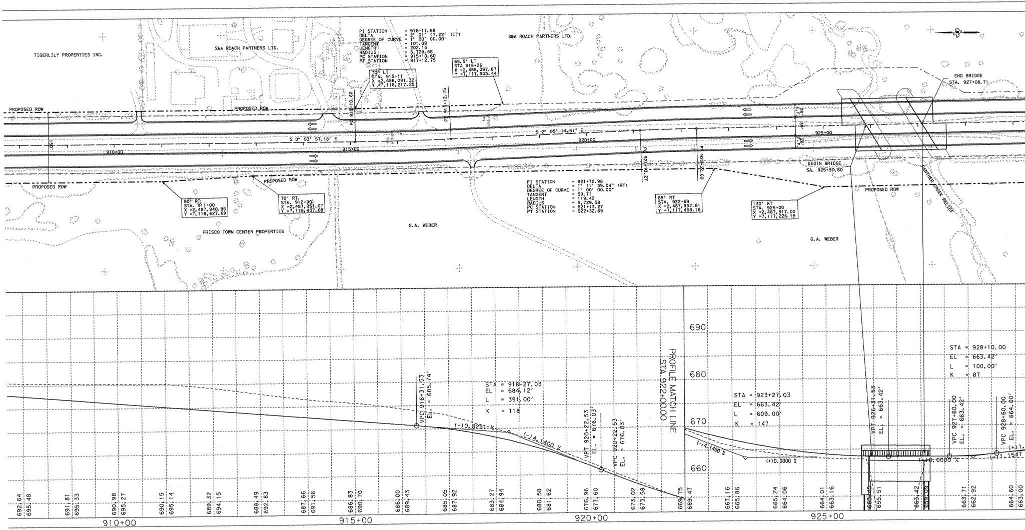
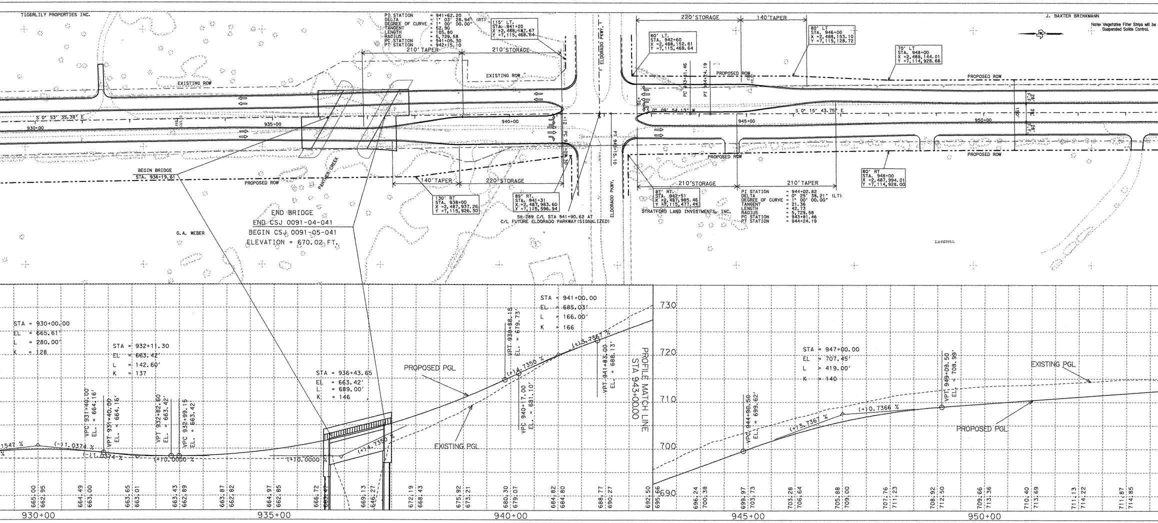
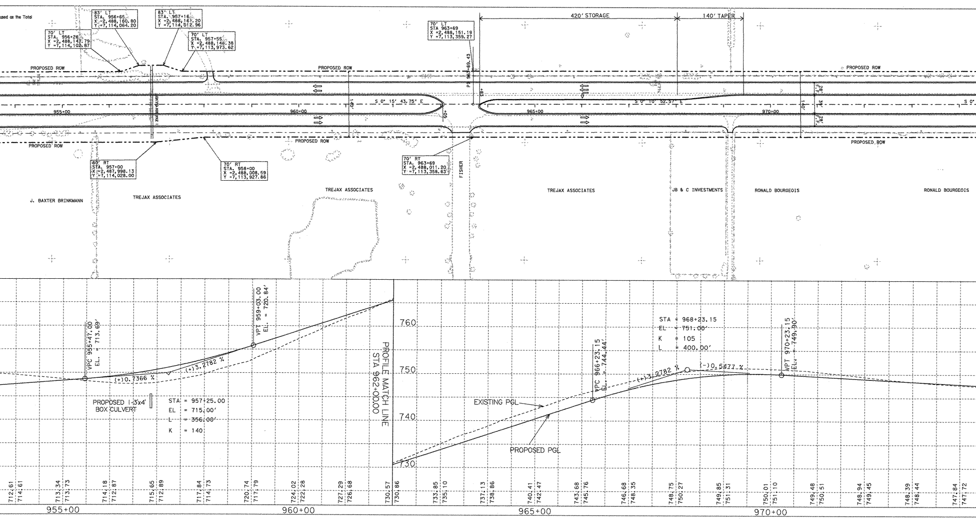
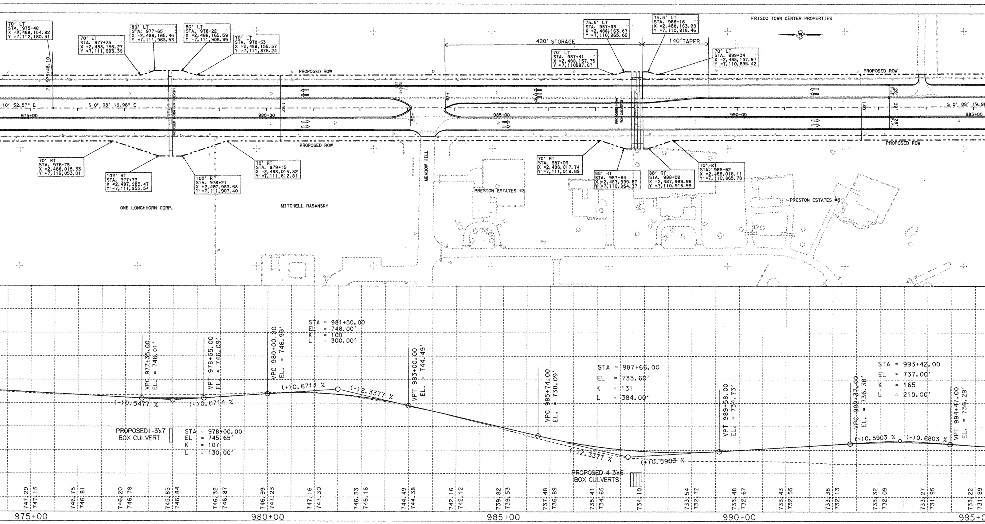

TIGERLILY PROPERTIES INC.
S&A ROACH PARTNERS LTD.
PI STATION = 916+11.68
DELTA = 2° 01′ 17.22″ (LT)
DEGREE OF CURVE = 1° 00′ 00.00″
TANGENT = 101.08
LENGTH = 202.15
RADIUS = 5,729.58
PC STATION = 915+10.60
PT STATION = 917+12.75
S&A ROACH PARTNERS LTD.
70′ LT
STA. 915+11
X =2,488,091.32
Y =7,118,217.25
68.5′ LT
STA 918+26
X =2,488,097.67
Y =7,117,903.44
END BRIDGE
STA. 927+08.71
PROPOSED ROW
PROPOSED ROW
PC 915+10.60
PT 917+12.75
S 0° 03′ 57.18″ E
S 2° 05′ 14.51″ E
910+00
915+00
920+00
925+00
PC 921+13.27
PT 922+32.69
28′ F.F.
38′
28′ F.F.
BEGIN BRIDGE
SA. 925+90.60
PANTHER CREEK RELIEF
PROPOSED ROW
PROPOSED ROW
PROPOSED ROW
80′ RT.
STA. 911+00
X =2,487,940.85
Y =7,118,627.68
70′ RT.
STA. 912+90
X =2,487,951.07
Y =7,118,437.08
FRISCO TOWN CENTER PROPERTIES
G.A. WEBER
PI STATION = 921+72.98
DELTA = 1° 11′ 39.04″ (RT)
DEGREE OF CURVE = 1° 00′ 00.00″
TANGENT = 59.71
LENGTH = 119.42
RADIUS = 5,729.58
PC STATION = 921+13.27
PT STATION = 922+32.69
85′ RT
STA. 922+69
X =2,487,957.61
Y =7,117,458.16
130′ RT
STA. 925+00
X =2,487,917.00
Y =7,117,226.15
G.A. WEBER
PROFILE MATCH LINE
STA 922+00.00
690
680
670
660
VPC 916+31.53
EL. = 685.74′
STA = 918+27.03
EL = 684.12′
L = 391.00′
K = 118
(-)0.8291 %
(-)4.1400 %
VPT 920+22.53
EL. = 676.03′
VPC 920+22.53
EL. = 676.03′
STA = 923+27.03
EL = 663.42′
L = 609.00′
K = 147
(-)4.1400 %
(+)0.0000 %
VPT 926+31.53
EL. = 663.42′
(+)0.0000 %
VPC 927+60.00
EL. = 663.42′
STA = 928+10.00
EL = 663.42′
L = 100.00′
K = 87
VPC 928+60.00
EL. = 664.00′
(+)1.1547
(+)1.
692.64
695.48
691.81
695.33
690.98
695.27
690.15
695.14
689.32
694.15
688.49
692.83
687.66
691.56
686.83
690.70
686.00
689.43
685.05
687.92
683.27
684.94
680.58
681.62
676.96
677.60
673.02
673.58
669.75
669.47
667.16
665.86
665.24
664.06
664.01
663.16
663.45
655.51
663.42
659.09
663.71
662.92
664.60
663.00
910+00
915+00
920+00
925+00


TIGERLILY PROPERTIES INC.
PI STATION = 941+62.20
DELTA = 1° 03' 28.94" (RT)
DEGREE OF CURVE = 1° 00' 00.00"
TANGENT = 52.90
LENGTH = 105.80
RADIUS = 5,729.58
PC STATION = 941+09.30
PT STATION = 942+15.10
115' LT.
STA. 941+20
X =2,488,487.67
Y =7,115,468.64
210' TAPER
210' STORAGE
EXISTING ROW
ELDORADO PKWY.
220' STORAGE
140' TAPER
80' LT.
STA. 942+60
X =2,488,152.61
Y =7,115,468.64
80' LT
STA. 946+00
X =2,488,153.10
Y =7,115,128.72
70' LT
STA. 948+00
X =2,488,144.01
Y =7,114,928.68
J. BAXTER BRINKMANN
Note: Vegetative Filter Strips will be
Suspended Solids Control.
PC 943+81.46
PT 944+24.19
PROPOSED ROW
S 0° 53' 35.38" E
930+00
935+00
940+00
945+00
950+00
S 0° 15' 43.75" E
S 0° 09' 54.13" W
150'
28' F-F
36'
28' F-F
PC 941+09.30
PT 942+15.10
BEGIN BRIDGE
STA. 936+19.61
PANTHER CREEK
140' TAPER
220' STORAGE
130' RT
STA. 938+00
X =2,487,937.26
Y =7,115,926.30
89' RT.
STA. 941+31
X =2,487,983.60
Y =7,115,596.94
SH-289 C/L STA 941+90.62 AT
C/L FUTURE ELDORADO PARKWAY(SIGNALIZED)
210' STORAGE
210' TAPER
87' RT.
STA. 942+51
X =2,487,985.46
Y =7,115,477.44
STRATFORD LAND INVESTMENTS, INC.
PI STATION = 944+02.82
DELTA = 0° 25' 38.21" (LT)
DEGREE OF CURVE = 1° 00' 00.00"
TANGENT = 21.36
LENGTH = 42.73
RADIUS = 5,729.58
PC STATION = 943+81.46
PT STATION = 944+24.19
80' RT
STA. 948+00
X =2,487,994.01
Y =7,114,928.00
END BRIDGE
END CSJ 0091-04-041
BEGIN CSJ 0091-05-041
ELEVATION = 670.02 FT.
G.A. WEBER
LANDFILL
STA = 930+00.00
EL = 665.61'
L = 280.00'
K = 128
STA = 932+11.30
EL = 663.42'
L = 142.60'
K = 137
STA = 936+43.65
EL = 663.42'
L = 689.00'
K = 146
STA = 941+00.00
EL = 685.03'
L = 166.00'
K = 166
VPC 931+40.00 EL. = 664.16'
VPT 931+40.00 EL. = 664.16'
VPT 932+82.60 EL. = 663.42'
VPC 932+99.15 EL. = 663.42'
VPT 939+88.15 EL. = 679.73'
VPC 940+17.00 EL. = 681.10'
VPT 941+83.00 EL. = 688.13'
PROPOSED PGL
EXISTING PGL
1547 %
(-)1.0374 %
(-)1.0374 %
(+)0.0000 %
(+)0.0000 %
(+)4.7350 %
(+)4.7350 %
(+)3.7367 %
PROFILE MATCH LINE
STA 943+00.00
730
720
710
700
690
STA = 947+00.00
EL = 707.45'
L = 419.00'
K = 140
VPC 944+90.50 EL. = 699.62'
VPT 949+09.50 EL. = 708.99'
(+)3.7367 %
(+)0.7366 %
EXISTING PGL
PROPOSED PGL
665.00
662.95
664.49
663.00
663.65
663.01
663.43
662.89
663.87
662.82
664.97
662.85
666.72
663.47
669.13
646.27
672.19
668.43
675.92
673.21
680.30
679.07
684.82
684.80
688.77
690.27
692.50
695.66
696.24
700.38
699.97
703.73
703.28
706.64
705.88
709.00
707.76
711.23
708.92
712.50
709.66
713.36
710.40
713.69
711.13
714.22
711.87
714.85
930+00
935+00
940+00
945+00
950+00


used as the Total
70' LT
STA. 956+26
X =2,488,147.79
Y =7,114,102.87
83' LT
STA. 956+65
X =2,488,160.80
Y =7,114,064.20
83' LT
STA. 957+16
X =2,488,161.20
Y =7,114,012.96
70' LT
STA. 957+55
X =2,488,146.38
Y =7,113,973.62
PROPOSED ROW
955+00
3X4 BOX CULVERT
PROPOSED ROW
80' RT
STA. 957+00
X =2,487,998.13
Y =7,114,028.00
70' RT
STA. 958+00
X =2,488,008.59
Y =7,113,927.86
J. BAXTER BRINKMANN
TREJAX ASSOCIATES
PROPOSED ROW
960+00
S 0° 15' 43.75" E
140'
50+
PROPOSED ROW
TREJAX ASSOCIATES
70' LT
STA 963+69
X =2,488,151.19
Y =7,113,359.27
PI 963+69.43
63+
70' RT
STA. 963+69
X =2,488,011.20
Y =7,113,358.63
FISHER
420' STORAGE
140' TAPER
965+00
S 0° 10' 52.57" E
TREJAX ASSOCIATES
JB & C INVESTMENTS
970+00
140'
28' F.F.
39'
28' F.F.
PROPOSED ROW
PROPOSED ROW
S 0°
RONALD BOURGEOIS
RONALD BOURGEOIS
VPC 955+47.00
EL. = 713.69'
(+)0.7366 %
(+)3.2782 %
VPT 959+03.00
EL. = 720.84'
PROPOSED 1-3'x4' BOX CULVERT
STA = 957+25.00
EL = 715.00'
L = 356.00'
K = 140
PROFILE MATCH LINE
STA 962+00.00
760
750
740
730
STA = 968+23.15
EL = 751.00'
K = 105
L = 400.00'
VPC 966+23.15
EL. = 744.44'
(+)3.2782 %
(-)0.5477 %
VPT 970+23.15
EL. = 749.90'
EXISTING PGL
PROPOSED PGL
712.61
714.61
713.34
713.73
714.18
712.87
715.65
712.89
717.84
714.73
720.74
717.79
724.02
722.28
727.29
726.68
730.57
730.86
733.85
735.10
737.13
738.86
740.41
742.47
743.68
745.76
746.68
748.35
748.75
750.27
749.85
751.31
750.01
751.10
749.48
750.51
748.94
749.45
748.39
748.44
747.84
747.72
955+00
960+00
965+00
970+00

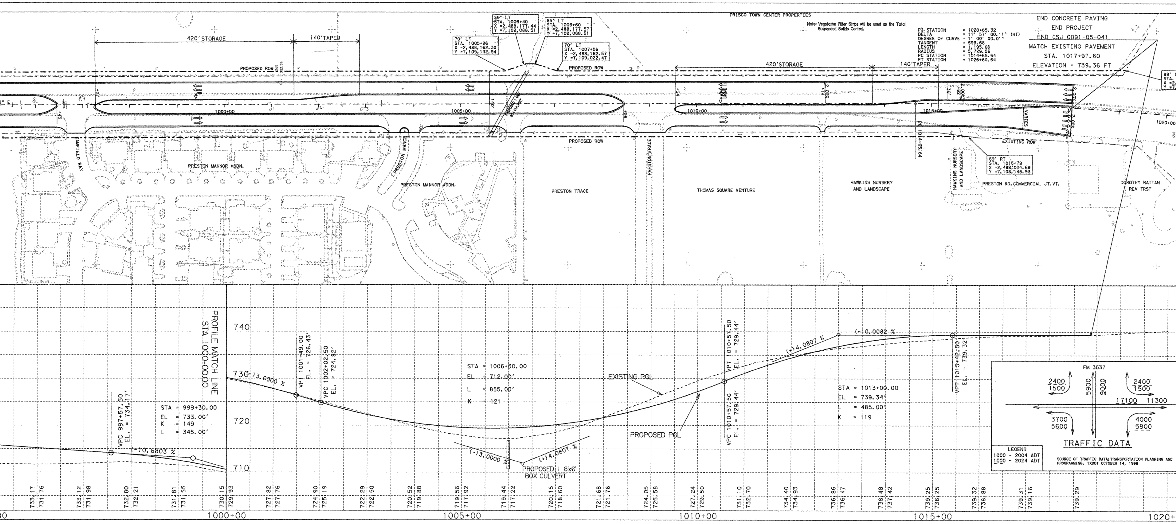

70' LT
STA. 975+48
X =2,488,154.92
Y =7,112,180.51
70' LT
STA. 977+35
X =2,488,155.27
Y =7,111,993.39
80' LT
STA. 977+65
X =2,488,165.45
Y =7,111,963.53
80' LT
STA. 978+22
X =2,488,165.59
Y =7,111,906.99
70' LT
STA. 978+53
X =2,488,155.57
Y =7,111,876.24
PI 975+48.10
PROPOSED ROW
10' 52.57" E
S 0° 08' 19.98" E
975+00
980+00
140'
PROPOSED 3x7' BOX CULVERT
70' RT
STA. 976+75
X =2,488,015.33
Y =7,112,053.01
102' RT
STA. 977+73
X =2,487,983.47
Y =7,111,955.54
102' RT
STA. 978+21
X =2,487,983.58
Y =7,111,907.40
70' RT
STA. 979+15
X =2,488,015.82
Y =7,111,812.81
ONE LONGHHORN CORP.
MITCHELL RASANSKY
MEADOW HILL
420' STORAGE
140'TAPER
75.5' LT
STA. 987+63
X =2,488,163.87
Y =7,110,965.62
75.5' LT
STA. 988+16
X =2,488,163.98
Y =7,110,918.46
70' LT
STA. 987+41
X =2,488,157.75
Y =7,110987.87
70' LT
STA. 988+34
X =2,488,157.97
Y =7,110,895.42
FRISCO TOWN CENTER PROPERTIES
985+00
990+00
995+00
PROPOSED 4-3x6' BOX CULVERTS
28' F-F
28' F-F
S 0° 08' 19.98" E
70' RT
STA. 987+09
X =2,488,017.74
Y =7,111,019.89
88' RT
STA. 987+64
X =2,487,999.87
Y =7,110,964.37
88' RT
STA. 988+09
X =2,487,999.98
Y =7,110,918.99
70' RT
STA. 988+62
X =2,488,018.11
Y =7,110,865.78
PRESTON ESTATES #3
PRESTON ESTATES #3
VPC 977+35.00
EL. = 746.01'
VPT 978+65.00
EL. = 746.09'
VPC 980+00.00
EL. = 746.99'
STA = 981+50.00
EL = 748.00'
K = 100
L = 300.00'
VPT 983+00.00
EL. = 744.49'
(-)0.5477 %
(+)0.6714 %
(+)0.6714 %
(-)2.3377 %
PROPOSED 1-3x7' BOX CULVERT
STA = 978+00.00
EL = 745.65'
K = 107
L = 130.00'
VPC 985+74.00
EL. = 738.09'
STA = 987+66.00
EL = 733.60'
K = 131
L = 384.00'
(-)2.3377 %
(+)0.5903 %
PROPOSED 4-3x6' BOX CULVERTS
VPT 989+58.00
EL. = 734.73'
VPC 992+37.00
EL. = 736.38'
STA = 993+42.00
EL = 737.00'
K = 165
L = 210.00'
(+)0.5903 %
(-)0.6803 %
VPT 994+47.00
EL. = 736.29'
747.29
747.15
746.75
746.81
746.20
746.78
745.85
746.84
746.32
746.87
746.99
747.23
747.16
747.30
746.33
746.16
744.49
744.38
742.16
742.12
739.82
739.53
737.48
736.89
735.41
734.65
734.10
733.54
732.72
733.48
732.67
733.43
732.55
733.38
732.13
733.32
732.09
733.27
731.95
733.22
731.89
975+00
980+00
985+00
990+00
995+00

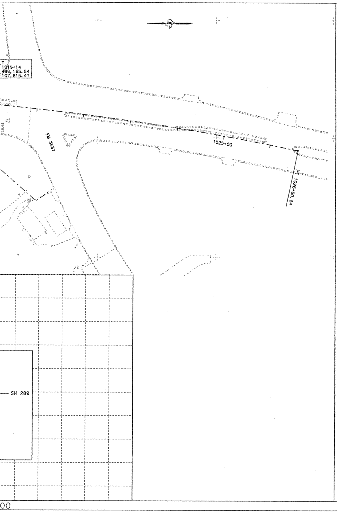
583

995+50 } 100'
996+60 }

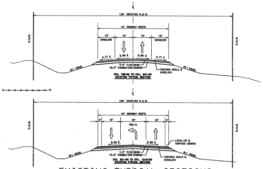
997+25

535
100
635


420' STORAGE
140' TAPER
PROPOSED ROW
70' LT
STA. 1005+96
X =2,488,162.30
Y =7,109,132.94
85' LT
STA. 1006+40
X =2,488,177.44
Y =7,109,088.51
85' LT
STA. 1006+60
X =2,488,177.57
Y =7,109,068.51
70' LT
STA. 1007+06
X =2,488,162.57
Y =7,109,022.47
FRISCO TOWN CENTER PROPERTIES
Note: Vegetative Filter Strips will be used as the Total Suspended Solids Control.
PI STATION = 1020+65.32
DELTA = 11° 57' 00.11" (RT)
DEGREE OF CURVE = 1° 00' 00.01"
TANGENT = 599.68
LENGTH = 1,195.00
RADIUS = 5,729.56
PC STATION = 1014+65.64
PT STATION = 1026+60.64
END CONCRETE PAVING
END PROJECT
END CSJ 0091-05-041
MATCH EXISTING PAVEMENT
STA. 1017+97.60
ELEVATION = 739.36 FT
1000+00
1005+00
1010+00
1015+00
1020+00
PROPOSED ROW
EXISTING ROW
CANFIELD WAY
PRESTON MANOR
PRESTON MANOR ADDN.
PRESTON MANOR ADDN.
PRESTON TRACE
PRESTON TRACE
THOMAS SQUARE VENTURE
HAWKINS NURSERY AND LANDSCAPE
HAWKINS NURSERY AND LANDSCAPE
PRESTON RD. COMMERCIAL JT. VT.
DOROTHY RATTAN REV TRST
69' RT
STA. 1016+79
X =2,488,024.69
Y =7,108,148.93
1014+65.64
VARIES
2.00%
36'
PROFILE MATCH LINE
STA 1000+00.00
740
730
720
710
VPC 997+57.50
EL. = 734.17'
(-)0.6803 %
STA = 999+30.00
EL = 733.00'
K = 149
L = 345.00'
(-)3.0000 %
VPT 1001+49.00
EL. = 726.43'
VPC 1002+02.50
EL. = 724.82'
STA = 1006+30.00
EL = 712.00'
L = 855.00'
K = 121
(-)3.0000 %
(+)4.0807 %
PROPOSED 1 6'x6' BOX CULVERT
EXISTING PGL
PROPOSED PGL
VPT 1010+57.50
EL. = 729.44'
VPC 1010+57.50
EL. = 729.44'
(+)4.0807 %
(-)0.0082 %
STA = 1013+00.00
EL = 739.34'
L = 485.00'
K = 119
VPT 1015+42.50
EL. = 739.32'
733.17
731.76
733.12
731.98
732.80
732.21
731.81
731.55
730.15
729.93
727.82
727.76
724.90
725.19
722.29
722.50
720.52
719.88
719.56
717.92
719.44
717.22
720.15
718.60
721.68
721.76
724.05
725.58
727.24
729.50
731.10
732.70
734.40
734.93
736.86
736.47
738.48
737.42
739.25
738.25
739.32
738.88
739.31
739.16
739.29
FM 3537
2400
1500
5900
9000
2400
1500
17100
11300
3700
5600
4000
5900
TRAFFIC DATA
LEGEND
1000 - 2004 ADT
1000 - 2024 ADT
SOURCE OF TRAFFIC DATA; TRANSPORTATION PLANNING AND PROGRAMMING, TXDOT OCTOBER 14, 1998

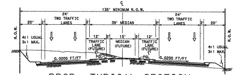


1019+14
488,165.54
107,815.47
FM 3537
1025+00
PT 1026+60.64
SH 289
00



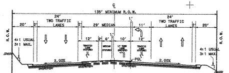
120' EXISTING R.O.W.
44' ROADWAY WIDTH
10' SHOULDER
12'
12'
10' SHOULDER
R.O.W.
STA. 790+00 TO STA. 841+00 EXISTING TYPICAL SECTION
STA. 841+00 TO STA. 1019+00 EXISTING TYPICAL SECTION
TWLTL
LEVEL-UP & SURFACE COURSE
VARIOUS SEALS & OVERLAYS

EXISTING TYPICAL SECTIONS
Not To Scale



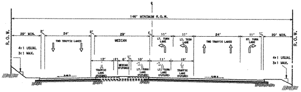
135' MINIMUM R.O.W.
20'
2'
24' TWO TRAFFIC LANES
39' MEDIAN
24' TWO TRAFFIC LANES
2'
20'
12' TRAFFIC LANE (FUTURE)
15' MEDIAN (FUTURE)
12' TRAFFIC LANE (FUTURE)
4:1 USUAL
3:1 MAX.
0.0200 FT/FT
PGL
R.O.W.

PROP. TYPICAL SECTION
Not To Scale



135' MINIMUM R.O.W.
20'
24' TWO TRAFFIC LANES
29' MEDIAN
11'
24' TWO TRAFFIC LANES
20'
12'
6'
10'
12'
4:1 USUAL
3:1 MAX.
2.00%
PGL
R.O.W.

PROP. TYPICAL SINGLE LEFT TURN LANE SECTION
Not To Scale



146' MINIMUM R.O.W.
20' MIN.
24'
TWO TRAFFIC LANES
29'
MEDIAN
11' LT. TURN LANE
11' LT. TURN LANE
24'
TWO TRAFFIC LANES
11' RT. TURN LANE
20' MIN.
4:1 USUAL
3:1 MAX.
R.O.W.

PROP. TYPICAL SECTION (WITH DUAL LTL'S & RTL)
@ VIRGINIA, PANTHER CREEK & ELDORADO PRKWY
Not To Scale

TEXAS DEPARTMENT OF TRANSPORTATION
DALLAS DISTRICT

WILLIAM L. HALE, P.E.
DISTRICT ENGINEER

DESIGN SCHEMATIC
SH 289

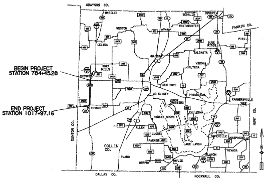
FROM: US 380
TO: FM 3537

URBAN PRINCIPAL ARTERIAL

CONTROL: 0091-04-041 & 0091-05-041

COLLIN COUNTY

DESIGN SPEED 45 MPH
SCALE 1" = 100' HORIZONTAL
1" = 10' VERTICAL
PROJECT LENGTH= 4.42 MILES
SUBMITTED 11/12/03



GRAYSON CO.
FANNIN CO.
HUNT CO.
DENTON CO.
DALLAS CO.
ROCKWALL CO.
COLLIN CO.
BEGIN PROJECT STATION 784+45.28
END PROJECT STATION 1017+97.16
CELINA
WESTON
ANNA
MELISSA
MC KINNEY
PRINCETON
FARMERSVILLE
FRISCO
ALLEN
LUCAS
PARKER
PLANO
MURPHY
WYLIE
LAKE LAVON
NEVADA
JOSEPHINE
BLUE RIDGE
NEW HOPE
PROSPER

Texas Department of Transportation

CITY OF FRISCO, TEXAS

FRISCO

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schematic plot.dgn 11/7/2003 3:15:08 PM

SH 289: US 380 to FM 3537
CSJ: 0091-04-041 & 0091-05-041
SUBMITTED TO DESIGN DIV: 12/10/2003