**Texas Department of Transportation**

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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

# FM 1387
# 60% DESIGN SCHEMATIC

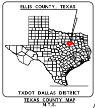
ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.84 MILES
**DATED: MARCH 2023**

| ROADWAY | DESIGN SPEED | FUNCTIONAL CLASSIFICATION |
|---|---|---|
| FM 1387 | 40 MPH | PRINCIPAL ARTERIAL |
| MIDLOTHIAN PARKWAY | 45 MPH | MAJOR COLLECTOR |
| WALLNUT GROVE ROAD | 35 MPH | MAJOR COLLECTOR |
| LONGBRANCH ROAD | 35 MPH | MAJOR COLLECTOR |
| FM 664 | 55 MPH | MAJOR COLLECTOR |
| LOCAL STREETS | 30 MPH | LOCAL |

## INDEX OF SHEETS

| | |
|---|---|
| ROLL 1 OF 8: | PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00 |
| ROLL 2 OF 8: | PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00 |
| ROLL 3 OF 8: | PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00 |
| ROLL 4 OF 8: | PLAN & PROFILE VIEW STA. 228+00 TO STA. 286+00 |
| ROLL 5 OF 8: | PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+40 |
| ■ROLL 6 OF 8: | SUPPLEMENTAL SIDE STREET PROFILES |
| ■ROLL 7 OF 8: | SUPPLEMENTAL SIDE STREET PROFILES |
| ■ROLL 8 OF 8: | SUPPLEMENTAL SIDE STREET PROFILES |

■NOT INCLUDED

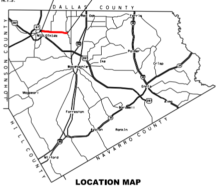

ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

## ROLL 3 OF 8

BEGIN PROJECT
CSJ: 1394-02-027
FM 1387 STA. 19+00

END PROJECT
FM 1387 STA. 322+40
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038


DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
Red Oak
Ferris
MIDLOTHIAN
Palmer
Ike
Waxahachie
Crisp
Ennis
Maypearl
Alma
Bardwell
Forreston
Avalon
Rankin
Milford

## LOCATION MAP
N.T.S.

## LEGEND

| | |
|---|---|
| EXISTING RIGHT OF WAY LINE | PROPOSED CONCRETE PAVEMENT |
| PROPOSED RIGHT OF WAY LINE | PROPOSED SIDEWALK |
| CENTERLINE | PROPOSED DRIVEWAY |
| PARCEL LINE | PROPOSED BRIDGE |
| CITY/COUNTY BOUNDARY LINE | ADJACENT PROJECT - BY OTHERS |
| EXISTING DRAINAGE | PROPOSED ROW ACQUISITION |
| PROPOSED DITCH BOTTOM | ← PROPOSED LANES |
| PROPOSED DRAINAGE STRUCTURE | # PARCEL IDENTIFYING NUMBER |
| PROPOSED RETAINING WALL | EXISTING PAVEMENT REMOVAL |
| DIRECTION OF FLOW | DISPLACEMENT |
| EXISTING 100-YEAR FLOODPLAIN | METAL BEAM GUARD FENCE (MBGF) |
| CURB WALL | |

SCALE: 1"=100' H, 1"=10' V

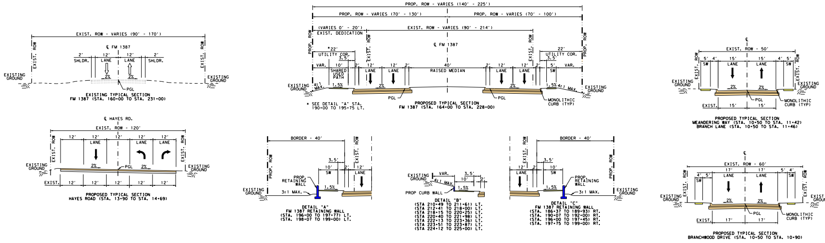
## PRELIMINARY
### FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

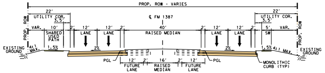
| NAME | P.E. NO. | DATE |
|---|---|---|
| RANDY L GROS, PE | 134559 | 03/30/2023 |

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713

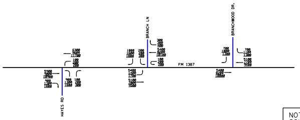

EXISTING TYPICAL SECTION
FM 1387 (STA. 160+00 TO STA. 231+00)
PROPOSED TYPICAL SECTION
FM 1387 (STA. 164+00 TO STA. 228+00)
* SEE DETAIL "A" STA. 190+00 TO 195+75 LT.
PROPOSED TYPICAL SECTION
MEANDERING WAY (STA. 10+50 TO STA. 11+42)
BRANCH LANE (STA. 10+50 TO STA. 11+46)
PROPOSED TYPICAL SECTION
HAYES ROAD (STA. 13+90 TO STA. 14+69)
DETAIL "A"
FM 1387 RETAINING WALL
(STA. 196+00 TO 197+77) LT.
(STA. 198+07 TO 199+00) LT.
DETAIL "B"
(STA 210+49 TO 211+61) LT.
(STA 212+41 TO 218+00) LT.
(STA 218+15 TO 220+25) LT.
(STA 220+40 TO 221+98) LT.
(STA 222+13 TO 223+36) LT.
(STA 223+51 TO 223+87) LT.
(STA 224+12 TO 225+00) LT.
DETAIL "C"
FM 1387 RETAINING WALL
(STA. 186+37 TO 189+93) RT.
(STA. 190+07 TO 192+00) RT.
(STA. 196+00 TO 197+45) RT.
(STA. 197+75 TO 199+00) RT.
PROPOSED TYPICAL SECTION
BRANCHWOOD DRIVE (STA. 10+50 TO STA. 10+90)

## TYPICAL SECTIONS [N.T.S.]


PROP. ROW - VARIES
℄ FM 1387
40' RAISED MEDIAN
12' FUTURE LANE
16' RAISED MEDIAN
12' FUTURE LANE
MONOLITHIC CURB (TYP)

## ULTIMATE TYPICAL SECTIONS [N.T.S.]

LEGEND
OPENING YEAR
DESIGN YEAR
PAVEMENT YEAR


BRANCH LN
BRANCHWOOD DR.
FM 1387
HAYES RD

NOTE:
SOURCE OF DATA: TXDOT, TRANSPORTAT
PROGRAMMING AND PLANNING DIVISION
MEMORANDUM, NOVEMBER 16, 2017.

## TRAFFIC LINE DIAGRAM [N.T.S.]

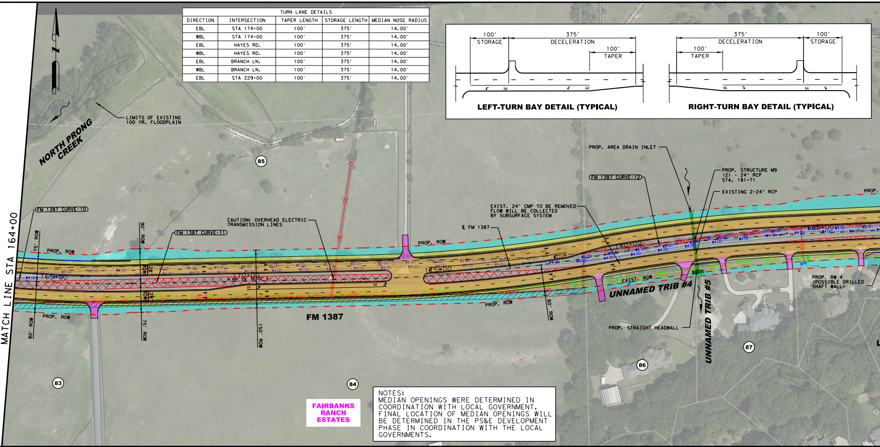
| PARCEL NO. | TAX ID | OWNER'S NAME | OWNER'S ADDRESS | CITY | STATE | ZIP | SITUS ADDRESS | ACRES | LEGAL DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| 83 | 228230 | FAIRBANKS CHARLES L JR | PO BOX 1047 | DESOTO | TX | 75123-1047 | 5010 FM 1387 MIDLOTHIAN, TX 76065 | 25.7309 | LOT 1 BLK 1 FAIRBANKS RANCH ESTATES 25.7309 AC |
| 84 | 221822 | FAIRBANKS CHARLES L JR | PO BOX 1047 | DESOTO | TX | 75123-1047 | 5010 FM 1387 MIDLOTHIAN, TX 76065 | 29.88 | LOT 2 BLK 1 FAIRBANKS RANCH ESTATES 29.88 AC |
| 85 | 189227 | WEAVER PHILIP F & SUSANNE | 5221 FM 1387 | MIDLOTHIAN | TX | 76065-5228 | 5221 FM 1387 MIDLOTHIAN, TX 76065 | 16.46 | 838 J POWERS 16.46 ACRES |
| 86 | 206271 | LOGAN WENDELL M & ELEANOR M | 5430 FM 1387 | MIDLOTHIAN | TX | 76065 | 5430 FM 1387 MIDLOTHIAN, TX 76065 | 3.107 | LOT 1 BLK 1 TWIN CREEKS #1 3.107 AC |
| 87 | 206272 | BOWMAN RICK & STEPHANIE | 5640 FM 1387 | MIDLOTHIAN | TX | 76065-5296 | 5460 FM 1387 MIDLOTHIAN, TX 76065 | 2.032 | LOT 2 BLK 1 TWIN CREEKS #1 2.032 AC |
| 88 | 206273 | KRIETMEYER GORDON & JERI | 5630 FM 1387 | MIDLOTHIAN | TX | 76065-5296 | 5630 FM 1387 MIDLOTHIAN, TX 76065 | 1.924 | 3 1 TWIN CREEKS #1 1.924 ACRES |
| 89 | 208042 | GARCIA LORA & ANTONIO F | 5651 BROOKSIDE CT | MIDLOTHIAN | TX | 76065 | 5651 BROOKSIDE CT MIDLOTHIAN, TX 76065 | 1.758 | LOT 10 BLK 2 TWIN CREEKS #2 1.758 AC |
| 90 | 206274 | MORRIS ROGER G & DIANE | 5810 HAYES RD | MIDLOTHIAN | TX | 76065-5232 | 5810 HAYES RD MIDLOTHIAN, TX 76065 | 0.82 | 1 2 TWIN CREEKS #1 0.82 ACRES |
| 91 | 189533 | WEAVER PHILIP F & SUSANNE | 5221 FM 1387 | MIDLOTHIAN | TX | 76065-5228 | 5221 FM 1387 MIDLOTHIAN, TX 76065 | 14.5 | 877 J T POWERS 14.5 ACRES |
| 92 | 227475 | WEAVER PHILIP F & SUSANNE | 5221 FM 1387 | MIDLOTHIAN | TX | 76065-5228 | FM 1387 MIDLOTHIAN, TX 76065 | 4.054 | 791 E C NEWTON 4.054 ACRES |
| 93 | 152876 | VIEN LADD | 1015 FERRIS AVE | WAXAHACHIE | TX | 75165-2588 | 5821 HAYES RD MIDLOTHIAN, TX 76065 | 3.69 | LOT 42 MULBERRY HILL-REV 3.69 AC |
| 94 | 222321 | SIMPSON KELLY S | 5811 HACKBERRY CT | MIDLOTHIAN | TX | 76065-6905 | 5811 HACKBERRY CT MIDLOTHIAN, TX 76065 | 2.488 | LOT 12 BLK 7 LONGBRANCH #6 |
| 95 | 152875 | DIAZ CELITA & MAURICIO | 5860 FM 1387 | MIDLOTHIAN | TX | 76065-5206 | 5860 FM 1387 MIDLOTHIAN, TX 76065 | 2 | LOT 4E MULBERRY HILL-REV 2.0 AC |
| 96 | 152877 | RUPERT DONALD R & GLENDA G | 5880 FM 1387 | MIDLOTHIAN | TX | 76065 | 5880 FM 1387 MIDLOTHIAN, TX 76065 | 4.78 | LOT 5 MULBERRY HILL-REV LOCKED GATE 4.78 AC |
| 97 | 152878 | CAPELL WILLIAM J | 6020 FM 1387 | MIDLOTHIAN | TX | 76065-5207 | 6020 FM 1387 MIDLOTHIAN, TX 76065 | 4.78 | 6 MULBERRY HILL PH1 4.78 ACRES |
| 98 | 222320 | COUSINEAU JOHN R SR & DIXIE L | 5810 HACKBERRY CT | MIDLOTHIAN | TX | 76065-6905 | 5810 HACKBERRY CT MIDLOTHIAN, TX 76065 | 1.533 | LOT 11 BLK 7 LONGBRANCH #6 1.533 AC |
| 99 | 218651 | BODLE HEATHER L | 505 MEANDERING WAY | MIDLOTHIAN | TX | 76065-6919 | 505 MEANDERING WAY MIDLOTHIAN, TX 76065 | 0.3474 | LOT 2 BLK 7 LONGBRANCH #2 |
| 100 | 218650 | GANDY DONNA | 501 MEANDERING WAY | MIDLOTHIAN | TX | 76065-6919 | 501 MEANDERING WAY MIDLOTHIAN, TX 76065 | 0.2125 | LOT 1 BLK 7 LONGBRANCH #2 0.2125 AC |
| 101 | 218572 | SHAVIT TOMER | 502 WILD SPRINGS DR | MIDLOTHIAN | TX | 76065 | 502 WILD SPRINGS DR MIDLOTHIAN, TX 76065 | 0.232 | LOT 23 BLK 4 LONGBRANCH #2 0.232 AC |
| 102 | 218581 | PETTY MCKENZIE L | 506 WILD SPRINGS DR | MIDLOTHIAN | TX | 76065 | 506 WILD SPRINGS DR MIDLOTHIAN, TX 76065 | 0.207 | LOT 22 BLK 4 LONGBRANCH #2 0.207 AC |
| 103 | 152879 | ONE CHURCH WORLDWIDE | P O BOX 1108 | MIDLOTHIAN | TX | 76065 | 6060 FM 1387 MIDLOTHIAN, TX 76065 | 4.72 | LOT 7 MULBERRY HILL-REV 4.72 AC |
| 104 | 218580 | GARCIA JESSE M JR | 510 WILD SPRINGS DR | MIDLOTHIAN | TX | 76065 | 510 WILD SPRINGS DR MIDLOTHIAN, TX 76065 | 0.358 | LOT 21 BLK 4 LONGBRANCH #2 .358 AC |
| 105 | 209659 | SHAW PROPERTIES LLC | 2031 E FM 875 | MIDLOTHIAN | TX | 76065 | 501 BRANCH LN MIDLOTHIAN, TX 76065 | 0.227 | LOT 11 BLK 4 LONG BRANCH #1 .227 AC |
| 106 | 218698 | CHELONE SIERRA J & VINCENT A | 502 VALARIE LN | MIDLOTHIAN | TX | 76065 | 502 VALARIE LN MIDLOTHIAN, TX 76065 | 0.2 | LOT 31 BLK 1 LONGBRANCH #4 .2 AC |
| 107 | 218697 | RANSBOTTOM CHRISTOPHER E & LAUREN T | 506 VALARIE LN | MIDLOTHIAN | TX | 76065 | 506 VALARIE LN MIDLOTHIAN, TX 76065 | 0.175 | LOT 30 BLK 1 LONGBRANCH #4 0.175 AC |
| 108 | 218696 | R MCGWIER REVOCABLE TRUST - RHONDA J MCGWIER TRUSTEE | 510 VALARIE LN | MIDLOTHIAN | TX | 76065-6914 | 510 VALARIE LN MIDLOTHIAN, TX 76065 | 0.1824 | LOT 29 BLK 1 LONGBRANCH #4 |
| 109 | 218695 | ROPE FAMILY INVESTMENTS LLC | 1717 CREEK BEND DR | MIDLOTHIAN | TX | 76065-5720 | 514 VALARIE LN MIDLOTHIAN, TX 76065 | 0.18 | LOT 28 BLK 1 LONGBRANCH #4 0.18 AC |
| 110 | 152869 | TART ERVIN RAY & SANDRA | 6210 FM 1387 | MIDLOTHIAN | TX | 76065-5208 | 6210 FM 1387 MIDLOTHIAN, TX 76065 | 8.99 | LOT 8 & 9 MULBERRY HILL-REV 8.99 AC |
| 111 | 218694 | CHAVARRIA AARON R & TIARA D | 518 VALARIE LN | MIDLOTHIAN | TX | 76065-6914 | 518 VALARIE LN MIDLOTHIAN, TX 76065 | 0.18 | LOT 27 BLK 1 LONGBRANCH #4 |
| 112 | 218703 | BIERHALTER PHILLIP W & CHRISTIE | 522 VALARIE LN | MIDLOTHIAN | TX | 76065-6914 | 522 VALARIE LN MIDLOTHIAN, TX 76065 | 0.3592 | LOT 26 BLK 1 LONGBRANCH #4 0.3592 AC |
| 113 | 218702 | RS RENTAL III-A LLC | 32 MERCER ST FL 4 | NEW YORK | NY | 10013-2518 | 526 VALARIE LN MIDLOTHIAN, TX 76065 | 0.3544 | LOT 25 BLK 1 LONGBRANCH #4 0.3544 AC |
| 114 | 152871 | HEARN CLYDE K & MOLLYE | 6260 FM 1387 | MIDLOTHIAN | TX | 76065-5208 | 6260 FM 1387 MIDLOTHIAN, TX 76065 | 10.605 | LOT 10 & 23 & PT 24 MULBERRY HILL PH I & PH II 10.605 ACRES |
| 115 | 223534 | TERRAZAS DANIEL & CHERYL | 6231 FM 1387 | MIDLOTHIAN | TX | 76065 | 6231 FM 1387 MIDLOTHIAN, TX 76065 | 1.028 | LOT 1 BLK 1 LONGBRANCH #8 1.028 AC |
| 116 | 223535 | WALKER DOUGLAS A & BRENDA L | 6241 FM 1387 | MIDLOTHIAN | TX | 76065-5225 | 6241 FM 1387 MIDLOTHIAN, TX 76065 | 0.561 | LOT 2 BLK 1 LONGBRANCH #8 0.561 AC |
| 117 | 152872 | SODDERS STEPHEN N & CHERYL L | 6290 FM 1387 | MIDLOTHIAN | TX | 76065-5208 | 6290 FM 1387 MIDLOTHIAN, TX 76065 | 4.37 | 11 MULBERRY HILL PH I 4.37 ACRES |
| 118 | 238918 | LEE LENG L & BEE MOUA | 6441 FM 1387 | MIDLOTHIAN | TX | 76065 | 6441 FM 1387 MIDLOTHIAN, TX 76065 | 2.462 | LOT 1 DUSTIN MANOR 2.462 AC |
| 119 | 238919 | DUSTIN MANOR HOMEOWNER'S ASSOCIATION INC | 2404 TEXAS DR STE 103 | IRVING | TX | 75062 | CLIFTON CT MIDLOTHIAN, TX 76065 | 0.063 | LOT 2R (HOA) DUSTIN MANOR-REV 0.063 AC |
| 120 | 152873 | DE WEERD ARNOLD & WANDA M | 6440 FM 1387 | MIDLOTHIAN | TX | 76065-5209 | 6440 FM 1387 MIDLOTHIAN, TX 76065 | 4.33 | 12 MULBERRY HILL PH I4.33 ACRES |
| 121 | 152864 | HORTON RAYMOND & JANICE Y | 803 SIMON DR | CEDAR HILL | TX | 75104-7201 | FM 1387 MIDLOTHIAN, TX 76065 | 4.29 | 13 MULBERRY HILL PH I4.29 ACRES |
| 122 | 225928 | SALADINO CONNIE | 501 BRANCHWOOD DR | MIDLOTHIAN | TX | 76065-6966 | 501 BRANCHWOOD DR MIDLOTHIAN, TX 76065 | 0.232 | LOT 1 BLK 2 MEADOWS AT LONGBRANCH PH 1 0.232 AC |
| 123 | 225883 | DUHON ROBERT P | 4403 BUENA VISTA ST APT | DALLAS | TX | 75205 | 502 BRANCHWOOD DR MIDLOTHIAN, TX 76065 | 0.231 | LOT 1 BLK 1 MEADOWS AT LONGBRANCH PH 1 0.231 AC |
| 124 | 202345 | MIDLOTHIAN ISD | 925 S 9TH ST | MIDLOTHIAN | TX | 76065-3636 | 6631 FM 1387 MIDLOTHIAN, TX 76065 | 16.422 | 252 R M CRAIG 16.422 ACRES |
| 125 | 152865 | COOK JAMES R | 6610 FM 1387 | MIDLOTHIAN | TX | 76065-5210 | 6610 FM 1387 MIDLOTHIAN, TX 76065 | 4.26 | 14 MULBERRY HILL PH I4.26 ACRES |

## PARCEL OWNER INFORMATION TABLE

ING
ND

(2025)
(2045)
(2055)

ION

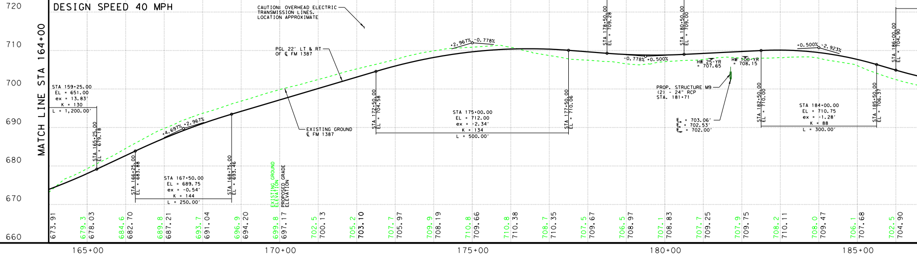

N
LIMITS OF EXISTING 100 YR. FLOODPLAIN
NORTH PRONG CREEK
85
FM 1387 CURVE-10
FM 1387 CURVE-11
FM 1387 CURVE-12
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
MATCH LINE STA 164+00
75' ROW
90' ROW
80' ROW
150' ROW
PROP. ROW
EXIST. 24" CMP TO BE REMOVED FLOW WILL BE COLLECTED BY SUBSURFACE SYSTEM
℄ FM 1387
165+00
170+00
175+00
180+00
FM 1387
EXIST. ROW
UNNAMED TRIB #4
UNNAMED TRIB #5
PROP. AREA DRAIN INLET
PROP. STRUCTURE M9 (2) - 24" RCP STA. 181+71
EXISTING 2-24" RCP
PROP. RW 4 (POSSIBLE DRILLED SHAFT WALL)
PROP. STRAIGHT HEADWALL
83
84
86
87
FAIRBANKS RANCH ESTATES
100' STORAGE
375' DECELERATION
100' TAPER
LEFT-TURN BAY DETAIL (TYPICAL)
RIGHT-TURN BAY DETAIL (TYPICAL)

| TURN LANE DETAILS | | | | |
|---|---|---|---|---|
| DIRECTION | INTERSECTION | TAPER LENGTH | STORAGE LENGTH | MEDIAN NOSE RADIUS |
| EBL | STA 174+00 | 100' | 375' | 14.00' |
| WBL | STA 174+00 | 100' | 375' | 14.00' |
| EBL | HAYES RD. | 100' | 375' | 14.00' |
| WBL | HAYES RD. | 100' | 375' | 14.00' |
| EBL | BRANCH LN. | 100' | 375' | 14.00' |
| WBL | BRANCH LN. | 100' | 375' | 14.00' |
| EBL | STA 229+00 | 100' | 375' | 14.00' |

NOTES:
MEDIAN OPENINGS WERE DETERMINED IN COORDINATION WITH LOCAL GOVERNMENT. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE LOCAL GOVERNMENTS.

NOTES:
1. EXISTING ROW FOR FM 1387 IS APPARENT ROW PROVIDED BY TXDOT, NOT PER DEED RESEARCH.
2. EXISTING PARCEL LINES ARE APPROXIMATE. GIS PARCEL LINE INFORMATION WAS FOUND TO BE INACCURATE ALONG THE CORRIDOR. PARCELS WERE EDITED TO REFLECT EXISTING FEATURES SHOWN ON AERIAL IMAGERY AND AERIAL SURVEY.
3. AERIAL FLIGHT DATE - JUNE 2017. EXISTING TOPOGRAPHICAL INFORMATION AS PROVIDED BY TXDOT, FEB 2018.
4. TRAFFIC PROJECTIONS PENDING TRANSPORTATION PLANNING & PROGRAMMING (TPP) APPROVAL.
5. EXISTING CREEK CENTERLINE SOURCE: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), WASHINGTON, D.C.,PUBLISHED: 2017-09-27, NATIONAL FLOOD HAZARD LAYER (NFHL). THE NFHL DATA INCORPORATES ALL FLOOD INSURANCE RATE MAP (FIRM) DATABASES PUBLISHED BY THE FEMA, AND ANY LETTERS OF MAP REVISION (LOMRS) THAT HAVE BEEN ISSUED AGAINST THOSE DATABASES SINCE THEIR PUBLICATION DATE. IT IS UPDATED ON A MONTHLY BASIS. THE FIRM DATABASE IS THE DIGITAL, GEOSPATIAL VERSION OF THE FLOOD HAZARD INFORMATION SHOWN ON THE PUBLISHED PAPER FIRMS. DUE TO NEW HIGH RESOLUTION TOPOGRAPHY THE STREAM CL WAS MODIFIED AS NEEDED.
6. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WITH THE CITY OF MIDLOTHIAN.
7. DESIGN IS SUBJECT TO CHANGE WITHOUT NOTICE.

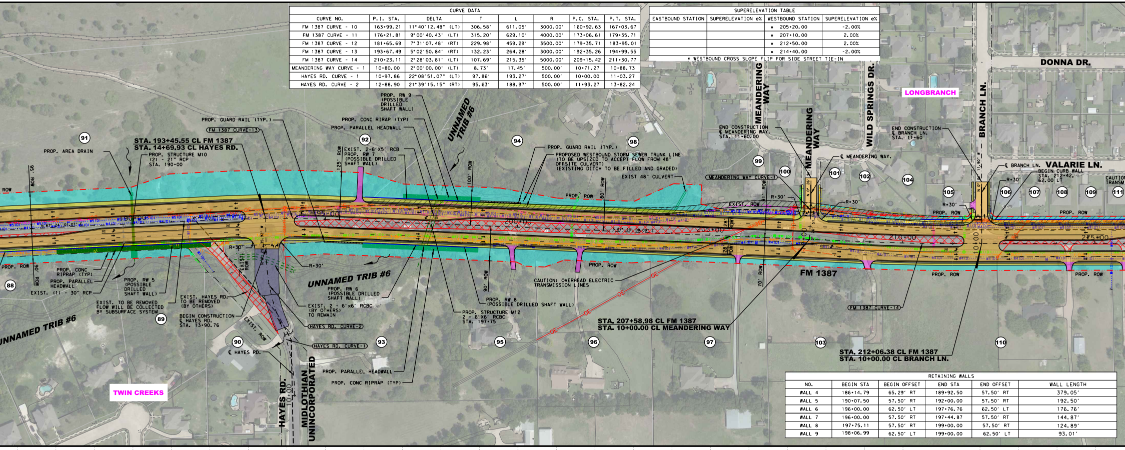
DESIGN SPEED 40 MPH



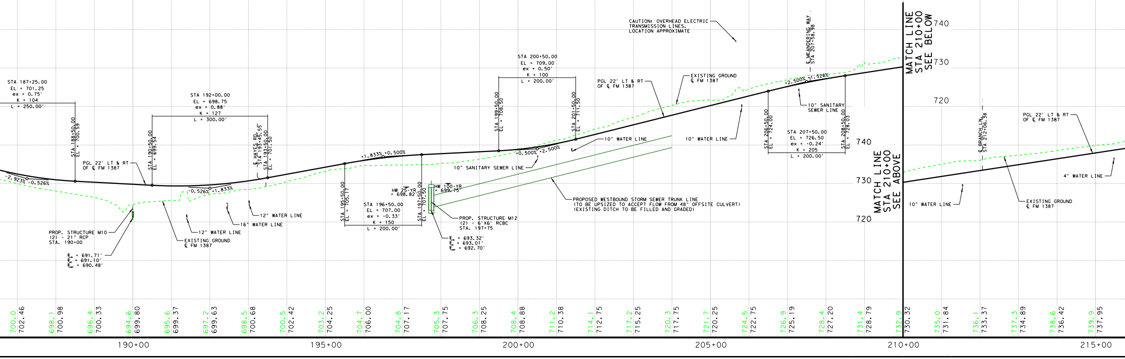
| CURVE DATA | | | | | | | |
|---|---|---|---|---|---|---|---|
| CURVE NO. | P.I. STA. | DELTA | T | L | R | P.C. STA. | P.T. STA. |
| FM 1387 CURVE - 10 | 163+99.21 | 11°40′12.48" (LT) | 306.58′ | 611.05′ | 3000.00′ | 160+92.63 | 167+03.67 |
| FM 1387 CURVE - 11 | 176+21.81 | 9°00′40.43" (LT) | 315.20′ | 629.10′ | 4000.00′ | 173+06.61 | 179+35.71 |
| FM 1387 CURVE - 12 | 181+65.69 | 7°31′07.48" (RT) | 229.98′ | 459.29′ | 3500.00′ | 179+35.71 | 183+95.01 |
| FM 1387 CURVE - 13 | 193+67.49 | 5°02′50.84" (RT) | 132.23′ | 264.28′ | 3000.00′ | 192+35.26 | 194+99.55 |
| FM 1387 CURVE - 14 | 210+23.11 | 2°28′03.81" (LT) | 107.69′ | 215.35′ | 5000.00′ | 209+15.42 | 211+30.77 |
| MEANDERING WAY CURVE - 1 | 10+80.00 | 2°00′00.00" (LT) | 8.73′ | 17.45′ | 500.00′ | 10+71.27 | 10+88.73 |
| HAYES RD. CURVE - 1 | 10+97.86 | 22°08′51.07" (LT) | 97.86′ | 193.27′ | 500.00′ | 10+00.00 | 11+03.27 |
| HAYES RD. CURVE - 2 | 12+88.90 | 21°39′15.15" (RT) | 95.63′ | 188.97′ | 500.00′ | 11+93.27 | 13+82.24 |

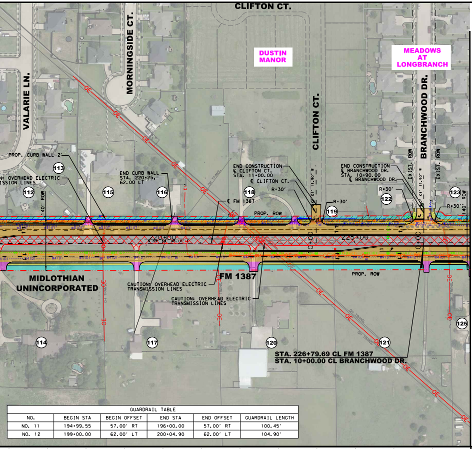
| SUPERELEVATION TABLE | | | |
|---|---|---|---|
| EASTBOUND STATION | SUPERELEVATION e% | WESTBOUND STATION | SUPERELEVATION e% |
| | | * 205+20.00 | -2.00% |
| | | * 207+10.00 | 2.00% |
| | | * 212+50.00 | 2.00% |
| | | * 214+40.00 | -2.00% |

* WESTBOUND CROSS SLOPE FLIP FOR SIDE STREET TIE-IN


DONNA DR.
LONGBRANCH
BRANCH LN.
VALARIE LN.
MEANDERING WAY
WILD SPRINGS DR.
END CONSTRUCTION
℄ MEANDERING WAY.
STA. 11+60.00
END CONSTRUCTION
℄ BRANCH LN.
STA. 11+60
℄ MEANDERING WAY.
℄ BRANCH LN.
BEGIN CURB WALL
STA. 212+42,
62.00′ LT
CAUTION TRANSM
MEANDERING WAY CURVE-1
EXIST. ROW
PROP. ROW
R=30′
81′ ROW
70′ ROW
80′ ROW
100′ ROW
125′ ROW
95′ ROW
90′ ROW
ROW
PROP. RW 9
(POSSIBLE
DRILLED
SHAFT WALL)
PROP. CONC RIRAP (TYP)
PROP. PARALLEL HEADWALL
PROP. GUARD RAIL (TYP.)
FM 1387 CURVE-13
UNNAMED TRIB #6
STA. 193+45.55 CL FM 1387
STA. 14+69.93 CL HAYES RD.
PROP. AREA DRAIN
PROP. STRUCTURE M10
(2) - 21" RCP
STA. 190+00
EXIST. 2-6′X5′ RCB
PROP. RW 7
(POSSIBLE DRILLED
SHAFT WALL)
PROP. GUARD RAIL (TYP.)
PROPOSED WESTBOUND STORM SEWER TRUNK LINE
(TO BE UPSIZED TO ACCEPT FLOW FROM 48"
OFFSITE CULVERT)
(EXISTING DITCH TO BE FILLED AND GRADED)
EXIST 48" CULVERT
195+00
200+00
205+00
210+00
215+00
10+00
FM 1387
PROP. CONC
RIPRAP (TYP)
PROP. PARALLEL
HEADWALL
EXIST. (1) - 30" RCP
PROP. RW 5
(POSSIBLE
DRILLED
SHAFT WALL)
EXIST. HAYES RD.
TO BE REMOVED
(BY OTHERS)
EXIST. FLOW WILL BE COLLECTED
FLOW WILL BE COLLECTED
BY SUBSURFACE SYSTEM
BEGIN CONSTRUCTION
℄ HAYES RD.
STA. 13+90.76
PROP. RW 6
(POSSIBLE DRILLED
SHAFT WALL)
EXIST. 2 - 6′x6′ RCBC
(BY OTHERS)
TO REMAIN
HAYES RD. CURVE-2
HAYES RD. CURVE-1
℄ HAYES RD.
PROP. RW 8
(POSSIBLE DRILLED SHAFT WALL)
PROP. STRUCTURE M12
2 - 6′X6′ RCBC
STA. 197+75
CAUTION: OVERHEAD ELECTRIC
TRANSMISSION LINES
FM 1387 CURVE-14
STA. 207+58.98 CL FM 1387
STA. 10+00.00 CL MEANDERING WAY
STA. 212+06.38 CL FM 1387
STA. 10+00.00 CL BRANCH LN.
PROP. PARALLEL HEADWALL
PROP. CONC RIPRAP (TYP)
HAYES RD. 10+00
MIDLOTHIAN
UNINCORPORATED
TWIN CREEKS
UNNAMED TRIB #6
EXIST. ROW
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111

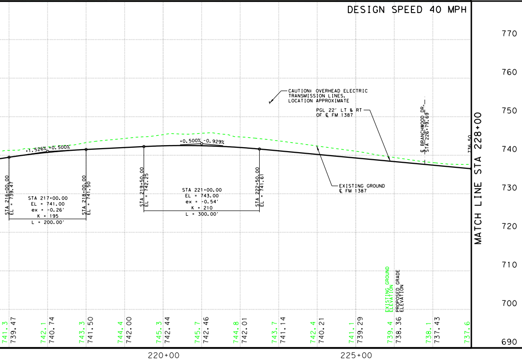
| RETAINING WALLS | | | | | |
|---|---|---|---|---|---|
| NO. | BEGIN STA | BEGIN OFFSET | END STA | END OFFSET | WALL LENGTH |
| WALL 4 | 186+14.79 | 65.29′ RT | 189+92.50 | 57.50′ RT | 379.05′ |
| WALL 5 | 190+07.50 | 57.50′ RT | 192+00.00 | 57.50′ RT | 192.50′ |
| WALL 6 | 196+00.00 | 62.50′ LT | 197+76.76 | 62.50′ LT | 176.76′ |
| WALL 7 | 196+00.00 | 57.50′ RT | 197+44.87 | 57.50′ RT | 144.87′ |
| WALL 8 | 197+75.11 | 57.50′ RT | 199+00.00 | 57.50′ RT | 124.89′ |
| WALL 9 | 198+06.99 | 62.50′ LT | 199+00.00 | 62.50′ LT | 93.01′ |


CAUTION: OVERHEAD ELECTRIC
TRANSMISSION LINES,
LOCATION APPROXIMATE
℄ MEANDERING WAY
STA 207+58.98
MATCH LINE
STA 210+00
SEE BELOW
MATCH LINE
STA 210+00
SEE ABOVE
740
730
720
740
730
720
STA 187+25.00
EL = 701.25
ex = 0.75′
K = 104
L = 250.00′
STA 192+00.00
EL = 698.75
ex = 0.88′
K = 127
L = 300.00′
STA 200+50.00
EL = 709.00
ex = -0.50′
K = 100
L = 200.00′
STA 196+50.00
EL = 707.00
ex = -0.33′
K = 150
L = 200.00′
STA 207+50.00
EL = 726.50
ex = -0.24′
K = 205
L = 200.00′
STA 188+50.00
EL = 700.99
STA 190+50.00
EL = 699.54
℄ HAYES RD.
STA 193+45.55
STA 193+50.00
EL = 701.50
STA 195+50.00
EL = 705.17
STA 197+50.00
EL = 707.50
STA 199+50.00
EL = 708.50
STA 201+50.00
EL = 711.50
STA 206+50.00
EL = 724.00
STA 208+50.00
EL = 728.03
℄ BRANCH LN.
STA 212+06.38
-2.923%
-0.526%
-0.526%
+1.833%
+1.833%
+0.500%
+0.500%
+2.500%
+2.500%
+1.526%
PGL 22′ LT & RT
OF ℄ FM 1387
PGL 22′ LT & RT
OF ℄ FM 1387
PGL 22′ LT & RT
OF ℄ FM 1387
EXISTING GROUND
℄ FM 1387
EXISTING GROUND
℄ FM 1387
EXISTING GROUND
℄ FM 1387
10" SANITARY
SEWER LINE
10" SANITARY SEWER LINE
10" WATER LINE
10" WATER LINE
10" WATER LINE
4" WATER LINE
12" WATER LINE
12" WATER LINE
16" WATER LINE
PROPOSED WESTBOUND STORM SEWER TRUNK LINE
(TO BE UPSIZED TO ACCEPT FLOW FROM 48" OFFSITE CULVERT)
(EXISTING DITCH TO BE FILLED AND GRADED)
HW 25-YR
= 698.82
HW 100-YR
= 699.75
PROP. STRUCTURE M12
(2) - 6′X6′ RCBC
STA. 197+75
$F_L$ = 693.32′
$F_L$ = 693.01′
$F_L$ = 692.70′
PROP. STRUCTURE M10
(2) - 21" RCP
STA. 190+00
$F_L$ = 691.71′
$F_L$ = 691.10′
$F_L$ = 690.48′
700.0 702.46
698.1 700.98
696.4 700.33
694.6 699.80
695.6 699.37
697.2 699.63
698.5 700.68
700.5 702.42
703.2 704.25
704.7 706.00
704.8 707.17
705.3 707.75
706.3 708.25
708.4 708.88
711.2 710.38
714.1 712.75
717.2 715.25
720.3 717.75
721.7 720.25
724.5 722.75
726.9 725.19
728.4 727.20
731.4 728.79
732.9
730.32
735.0 731.84
736.1 733.37
737.3 734.89
738.6 736.42
739.9 737.95
190+00
195+00
200+00
205+00
210+00
215+00


CLIFTON CT.
VALARIE LN.
MORNINGSIDE CT.
DUSTIN MANOR
MEADOWS AT LONGBRANCH
CLIFTON CT.
BRANCHWOOD DR.
PROP. CURB WALL 2'
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
END CURB WALL STA. 220+25, 62.00 LT
END CONSTRUCTION ℄ CLIFTON CT. STA. 11+00.00
℄ CLIFTON CT.
R=30'
℄ FM 1387
PROP. ROW
R=30'
END CONSTRUCTION ℄ BRANCHWOOD DR. STA. 10+90.00
℄ BRANCHWOOD DR.
R=30'
R=30'
EXIST. ROW
EXIST. ROW
140' ROW
140' ROW
112
113
114
115
116
117
118
119
120
121
122
123
125
220+00
225+00
N 89° 59' 48.10" E
MIDLOTHIAN UNINCORPORATED
FM 1387
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
CAUTION: OVERHEAD ELECTRIC TRANSMISSION LINES
PROP. ROW
OE
OH TRANS.
STA. 226+79.69 CL FM 1387
STA. 10+00.00 CL BRANCHWOOD DR.
MATCH LINE STA 228+00

| GUARDRAIL TABLE | | | | | |
|---|---|---|---|---|---|
| NO. | BEGIN STA | BEGIN OFFSET | END STA | END OFFSET | GUARDRAIL LENGTH |
| NO. 11 | 194+99.55 | 57.00' RT | 196+00.00 | 57.00' RT | 100.45' |
| NO. 12 | 199+00.00 | 62.00' LT | 200+04.90 | 62.00' LT | 104.90' |

DESIGN SPEED 40 MPH



**Texas Department of Transportation**

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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

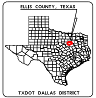
# FM 1387
# 60% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.84 MILES
**DATED: MARCH 2023**

| ROADWAY | DESIGN SPEED | FUNCTIONAL CLASSIFICATION |
|---|---|---|
| FM 1387 | 40 MPH | PRINCIPAL ARTERIAL |
| MIDLOTHIAN PARKWAY | 45 MPH | MAJOR COLLECTOR |
| WALLNUT GROVE ROAD | 35 MPH | MAJOR COLLECTOR |
| LONGBRANCH ROAD | 35 MPH | MAJOR COLLECTOR |
| FM 664 | 55 MPH | MAJOR COLLECTOR |
| LOCAL STREETS | 30 MPH | LOCAL |

## INDEX OF SHEETS

ROLL 1 OF 8: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
ROLL 2 OF 8: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
ROLL 3 OF 8: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
ROLL 4 OF 8: PLAN & PROFILE VIEW STA. 228+00 TO STA. 286+00
ROLL 5 OF 8: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+40
■ROLL 6 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 7 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 8 OF 8: SUPPLEMENTAL SIDE STREET PROFILES
■ NOT INCLUDED

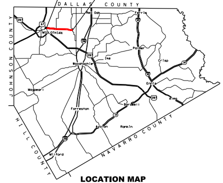

ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

## ROLL 3 OF 8

BEGIN PROJECT
CSJ: 1394-02-027
FM 1387 STA. 19+00

END PROJECT
FM 1387 STA. 322+40
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038


DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
MIDLOTHIAN
Red Oak
Ferris
Palmer
Waxahachie
Ike
Crisp
Ennis
Maypearl
Bardwell
Forreston
Avalon
Rankin
Milford

## LOCATION MAP
N.T.S.

## LEGEND

- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- CENTERLINE
- PARCEL LINE
- CITY/COUNTY BOUNDARY LINE
- EXISTING DRAINAGE
- PROPOSED DITCH BOTTOM
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED RETAINING WALL
- DIRECTION OF FLOW
- EXISTING 100-YEAR FLOODPLAIN
- CURB WALL
- PROPOSED CONCRETE PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED DRIVEWAY
- PROPOSED BRIDGE
- ADJACENT PROJECT - BY OTHERS
- PROPOSED ROW ACQUISITION
- ← PROPOSED LANES
- (#) PARCEL IDENTIFYING NUMBER
- EXISTING PAVEMENT REMOVAL
- DISPLACEMENT
- METAL BEAM GUARD FENCE (MBGF)

SCALE: 1"=100' H, 1"=10' V

# PRELIMINARY
## FOR INTERIM REVIEW ONLY

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND REGULATORY APPROVAL. THEY ARE NOT INTENDED FOR PERMITTING, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

| NAME | P.E. NO. | DATE |
|---|---|---|
| RANDY L GROS, PE | 134559 | 03/30/2023 |

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713