Texas Department of Transportation
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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 1387
100% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ's: 1394-02-027 & 1394-01-002
LENGTH: 5.75 MILES
DATED: AUGUST 2024

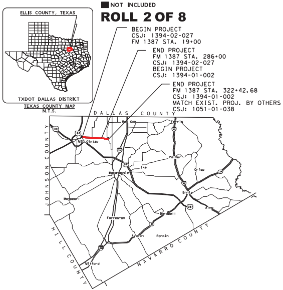
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
MIDLOTHIAN PARKWAY	45 MPH	MAJOR COLLECTOR
WALLNUT GROVE ROAD	35 MPH	MAJOR COLLECTOR
LONGBRANCH ROAD	35 MPH	MAJOR COLLECTOR
FM 664	55 MPH	MAJOR COLLECTOR
LOCAL STREETS	30 MPH	LOCAL

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+36
■ 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

ROLL 2 OF 8


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT
TEXAS COUNTY MAP
N.T.S.
DALLAS COUNTY
JOHNSON COUNTY
HILL COUNTY
NAVARRO COUNTY
MIDLOTHIAN
Red Oak
Ferris
Palmer
Waxahachie
Ike
Crisp
Ennis
Maypearl
Bardwell
Forreston
Avalon
Rankin
Kemp
Milford

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

END PROJECT
FM 1387 STA. 286+00
CSJ: 1394-02-027
BEGIN PROJECT
CSJ: 1394-01-002

END PROJECT
FM 1387 STA. 322+42.68
CSJ: 1394-01-002
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038

LOCATION MAP
N.T.S.

LEGEND

EXISTING RIGHT OF WAY LINE	PROPOSED DRAINAGE EASEMENT
PROPOSED RIGHT OF WAY LINE	PROPOSED CONCRETE PAVEMENT
RIGHT OF WAY LINE BY OTHERS	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
FEMA 100 YR FLOODPLAIN LIMITS	POTENTIAL IMPACTED PROPERTY
CURB WALL	METAL BEAM GUARD FENCE (MBGF)
SOUND WALL	DEDICATION FOR TRANSPORTATION USE

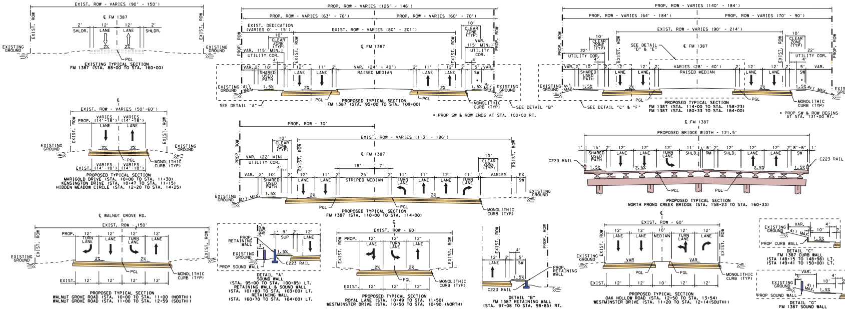
SCALE: 1"=100' H, 1"=10' V

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	8/05/2024

GARVER
3000 INTERNET BLVD
SUITE 400
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713


EXIST. ROW - VARIES (90' - 150')
℄ FM 1387
SHLDR.
LANE
PGL
EXISTING GROUND
PROP. ROW - VARIES (125' - 146')
PROP. ROW - VARIES (63' - 76')
PROP. ROW - VARIES (60' - 70')
EXIST. DEDICATION (VARIES 0' - 15')
EXIST. ROW - VARIES (80' - 201')
CLEAR ZONE (TYP)
UTILITY COR.
SHARED USED PATH
RAISED MEDIAN
SW
MONOLITHIC CURB (TYP)
SEE DETAIL "A"
SEE DETAIL "B"
PROP. ROW - VARIES (140' - 184')
PROP. ROW - VARIES (64' - 184')
PROP. ROW - VARIES (70' - 90')
EXIST. ROW - VARIES (90' - 214')
SEE DETAIL "D" & "E"
SEE DETAIL "C" & "F"
EXIST. ROW - VARIES (50'-60')
PROP. ROW - 70'
EXIST. ROW - VARIES (113' - 196')
STRIPED MEDIAN
TURN LANE
PROPOSED BRIDGE WIDTH - 121.5'
C223 RAIL
SHLD.
RM
℄ WALNUT GROVE RD.
EXIST. ROW - 150'
PROP. RETAINING WALL
SUP
PROP SOUND WALL
EXIST. ROW - 60'
MEDIAN
PROP CURB WALL

EXISTING TYPICAL SECTION
FM 1387 (STA. 88+00 TO STA. 160+00)

PROPOSED TYPICAL SECTION
FM 1387 (STA. 95+00 TO STA. 109+00)

* PROP SW & ROW ENDS AT STA. 100+00 RT.

PROPOSED TYPICAL SECTION
FM 1387 (STA. 114+00 TO STA. 158+23)
FM 1387 (STA. 160+33 TO STA. 164+00)

* PROP SW & ROW BEGINS AT STA. 131+00 RT.

PROPOSED TYPICAL SECTION
MARIGOLD DRIVE (STA. 10+00 TO STA. 11+30)
KENSINGTON DRIVE (STA. 10+47 TO STA. 11+15)
HIDDEN MEADOW CIRCLE (STA. 12+20 TO STA. 14+25)

PROPOSED TYPICAL SECTION
FM 1387 (STA. 110+00 TO STA. 114+00)

PROPOSED TYPICAL SECTION
NORTH PRONG CREEK BRIDGE (STA. 158+23 TO STA. 160+33)

PROPOSED TYPICAL SECTION
WALNUT GROVE ROAD (STA. 10+00 TO STA. 11+00 (NORTH))
WALNUT GROVE ROAD (STA. 11+00 TO STA. 12+59 (SOUTH))

DETAIL "A"
SOUND WALL
(STA. 95+00 TO STA. 100+85) LT.
RETAINING WALL & SOUND WALL
(STA. 101+80 TO STA. 103+00) LT.
RETAINING WALL
(STA. 160+70 TO STA. 164+00) LT.

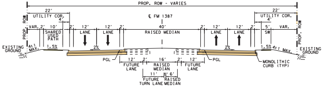
PROPOSED TYPICAL SECTION
ROYAL LANE (STA. 10+49 TO STA. 11+50)
WESTMINSTER DRIVE (STA. 10+50 TO STA. 10+90 (NORTH)

DETAIL "B"
FM 1387 RETAINING WALL
(STA. 97+08 TO STA. 98+85) RT.

PROPOSED TYPICAL SECTION
OAK HOLLOW ROAD (STA. 12+50 TO STA. 13+54)
WESTMINSTER DRIVE (STA. 11+20 TO STA. 12+14(SOUTH))

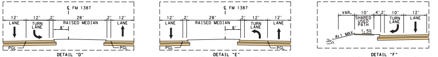
DETAIL "C"
FM 1387 CURB WALL
(STA 148+15 TO 148+98) LT.
(STA 149+41 TO 150+00) LT.

DETAIL "G"
FM 1387 SOUND WALL
(STA 142+94 TO 144+17) LT.
(STA 144+79 TO 147+61) LT.


PROP. ROW - VARIES
UTILITY COR.
℄ FM 1387
SHARED USED PATH
LANE
RAISED MEDIAN
SW
EXISTING GROUND
PGL
FUTURE LANE
FUTURE TURN LANE
MONOLITHIC CURB (TYP)

PROPOSED ULTIMATE TYPICAL SECTION
FM 1387 (STA. 95+00 TO STA. 164+00)

ULTIMATE TYPICAL SECTIONS [N.T.S.]


℄ FM 1387
LANE
TURN LANE
RAISED MEDIAN
PGL
SHARED USED PATH

DETAIL "D"
WESTBOUND LEFT TURN LANES
(STA 97+00 TO STA 100+65)
(STA 114+81 TO STA 118+51)
(STA 121+61 TO STA 124+42)
(STA 131+92 TO STA 135+51)
(STA 149+40 TO STA 153+13)

DETAIL "E"
EASTBOUND LEFT TURN LANES
(STA 116+42 TO STA 120+20)
(STA 127+00 TO STA 129+82)
(STA 140+29 TO STA 144+00)
(STA 146+31 TO STA 148+31)

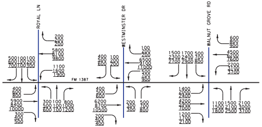
DETAIL "F"
WESTBOUND RIGHT TURN LANES
STA 131+92 TO STA 135+51

TYPICAL SECTIONS [N.T.S.]

PARCEL ID	OWNER
50	GARZA PATRICIA A & HECTOR JR
51	SMITH SHAWN & COBOS DEBORAH L
52	FAIRMAN AUSTIN C & KIMBERLY K KELLY
53	MOON DANIELLE E
54	KNIGHT RONALD A
55	D2 REDDEN LLC
55A	RF MIDLOTHIAN OWNER II LP
56	SHELLEY MARGARET N L/E
57	MC CLURE WILLIAM E & MARGARET E
58	BEHRING DAVID A
59	MASSEY HERSHAL H JR
60	MIDLOTHIAN CITY OF
61	MARTHI RAGHUNATH & JYOTIRMAYEE PONNAPALLI
62	MIDLOTHIAN BUSINESS PARK
63	MIDLOTHIAN ISD
64	TEXAS DEPARTMENT OF TRANSPORTATION
65	FREEMAN JACK P III & CYNTHIA L
66	WIGINTON LEE G & BECKY
67	SHELDON LESLIE L & COLE
68	KELLEY CHET & VANESSA
69	ARTKOP GREGORY T
70	MARIN EMILIANO & SUSANA
71	MEDINA PATRICIA
72	MC MINN ALVIN STEVEN
73	JENNINGS JEFFREY LEE
74A	MASSEY JERRY C ETAL
74B	TEXAS DEPARTMENT OF TRANSPORTATION
74C	CANTU-GONZALEZ JORGE & QUIROZ WENDY M E N
74D	EHRHARD DEBORAH
74E	JOHNSON KENISHA & LARRY
74F	WALKER MONTRAL L & RHEATOSSIEA
74G	CROSSING AT MASSEY MEADOWS HOA
74H	CROSSING AT MASSEY MEADOWS HOA
75	TOBERNY DANIEL WM
76	GENTRY DAVID
77A	MASSEY MEADOWS LLC c/o CAPWOOD SERVICES GROUP, LLC
77	REITZ R P B & REBECCA REVOCABLE LIVING TRUST
78	TOBERNY DANIEL WM
79	COOPER JAMES L L/E
80	JOHNSTON WILLIAM H IV
81	JOHNSON CHRISTOPHER & JENNIFER
82	BLAIR THOMAS D
83	FAIRBANKS CHARLES L JR
85	WEAVER PHILIP F & SUSANNE

PARCEL OWNER INFORMATION TABLE

LEGEND
OPENING YEAR (2025)
DESIGN YEAR (2045)
PAVEMENT YEAR (2055)


ROYAL LN
WESTMINSTER DR
WALNUT GROVE RD
FM 1387

TRAFFIC LINE DIAGRAM [N.T.S.]

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

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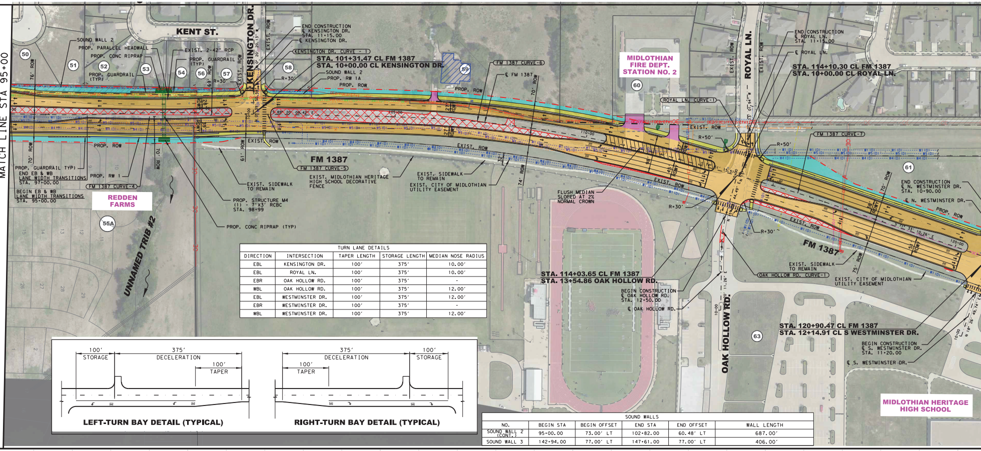
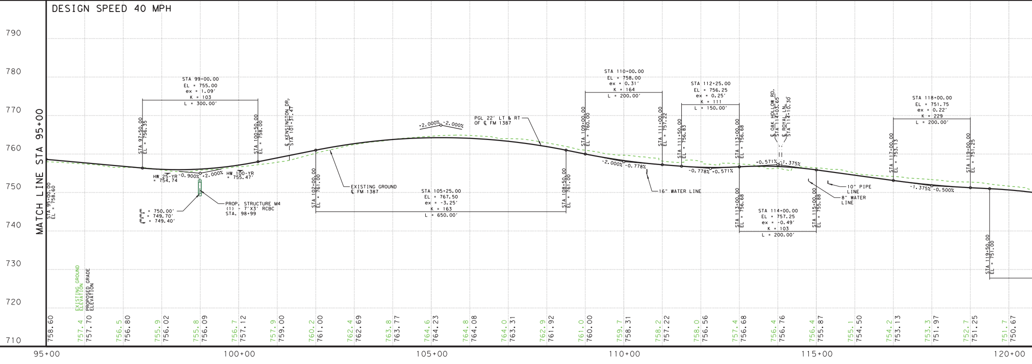

MATCH LINE STA 95+00
KENT ST.
KENSINGTON DR.
SOUND WALL 2
PROP. PARALLEL HEADWALL
PROP. CONC RIPRAP
EXIST. 2-42" RCP
PROP. GUARDRAIL (TYP)
PROP. GUARDRAIL (TYP)
50
51
52
53
54
56
57
58
59
60
61
63
55A
R=30'
76' ROW
69' ROW
EXIST. ROW
END CONSTRUCTION
℄ KENSINGTON DR.
STA. 11+15.00
℄ KENSINGTON DR.
KENSINGTON DR. CURVE - 1
STA. 101+31.47 CL FM 1387
STA. 10+00.00 CL KENSINGTON DR.
SOUND WALL 2
PROP. RW 1A
PROP. ROW
FM 1387 CURVE-6
℄ FM 1387
70' ROW
PROP. ROW
MIDLOTHIAN FIRE DEPT. STATION NO. 2
ROYAL LN.
ROYAL LN. CURVE-1
EXIST. ROW
R=50'
END CONSTRUCTION
℄ ROYAL LN.
STA. 11+15.00
℄ ROYAL LN.
STA. 114+10.30 CL FM 1387
STA. 10+00.00 CL ROYAL LN.
FM 1387 CURVE-7
PROP. GUARDRAIL TYP)
END EB & WB LANE WIDTH TRANSITIONS
STA. 97+00.00
BEGIN EB & WB LANE WIDTH TRANSITIONS
STA. 95+00.00
70' ROW
PROP. ROW
PROP. RW 1
FM 1387 CURVE-4
70' ROW
REDDEN FARMS
UNNAMED TRIB #2
61' ROW
EXIST. ROW
FM 1387
FM 1387 CURVE-5
EXIST. SIDEWALK TO REMAIN
PROP. STRUCTURE M4
(1) - 7'X3' RCBC
STA. 98+99
PROP. CONC RIPRAP (TYP)
EXIST. MIDLOTHIAN HERITAGE HIGH SCHOOL DECORATIVE FENCE
EXIST. SIDEWALK TO REMAIN
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
EXIST. ROW
74' ROW
FLUSH MEDIAN SLOPED AT 2% NORMAL CROWN
R=30'
EXIST. ROW
R=30'
STA. 114+03.65 CL FM 1387
STA. 13+54.86 OAK HOLLOW RD.
BEGIN CONSTRUCTION
℄ OAK HOLLOW RD.
STA. 12+50.00
℄ OAK HOLLOW RD.
OAK HOLLOW RD.
OAK HOLLOW RD. CURVE-1
EXIST. SIDEWALK TO REMAIN
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
FM 1387
75' ROW
70' ROW
END CONSTRUCTION
℄ N. WESTMINSTER DR.
STA. 10+90.00
℄ N. WESTMINSTER DR.
PROP. ROW
STA. 120+90.47 CL FM 1387
STA. 12+14.91 CL S WESTMINSTER DR.
BEGIN CONSTRUCTION
℄ S. WESTMINSTER DR.
STA. 11+20.00
℄ S. WESTMINSTER DR.
MIDLOTHIAN HERITAGE HIGH SCHOOL
S 89° 20' 09.42" E
S 71° 33' 10.26" E
105+00
110+00
120+00
100' STORAGE
375' DECELERATION
100' TAPER
LEFT-TURN BAY DETAIL (TYPICAL)
375' DECELERATION
100' TAPER
100' STORAGE
RIGHT-TURN BAY DETAIL (TYPICAL)

TURN LANE DETAILS				
DIRECTION	INTERSECTION	TAPER LENGTH	STORAGE LENGTH	MEDIAN NOSE RADIUS
EBL	KENSINGTON DR.	100'	375'	10.00'
EBL	ROYAL LN.	100'	375'	10.00'
EBR	OAK HOLLOW RD.	100'	375'	-
WBL	OAK HOLLOW RD.	100'	375'	12.00'
EBL	WESTMINSTER DR.	100'	375'	12.00'
EBR	WESTMINSTER DR.	100'	375'	-
WBL	WESTMINSTER DR.	100'	375'	12.00'

SOUND WALLS					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
SOUND WALL 2 (CONT.)	95+00.00	73.00' LT	102+82.00	60.48' LT	687.00'
SOUND WALL 3	142+94.00	77.00' LT	147+61.00	77.00' LT	406.00'

DESIGN SPEED 40 MPH



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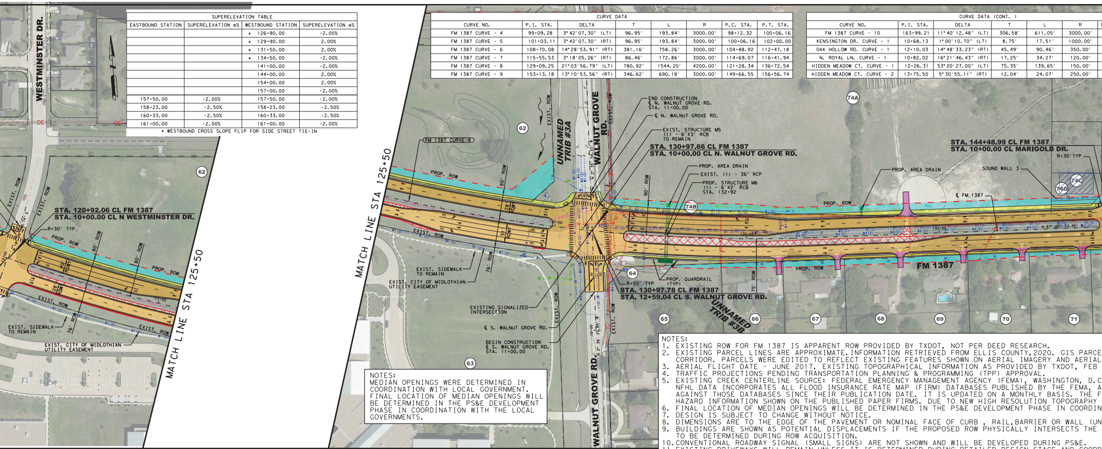

WESTMINSTER DR.
EXIST. ROW
STA. 120+92.06 CL FM 1387
STA. 10+00.00 CL N WESTMINSTER DR.
R=30' TYP
PROP. ROW
80' ROW
40' RDWY
28' RDWY
76' ROW
EXIST. SIDEWALK TO REMAIN
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
62
MATCH LINE STA 125+50
FM 1387 CURVE-8
UNNAMED TRIB #3A
WALNUT GROVE RD.
END CONSTRUCTION
℄ N. WALNUT GROVE RD.
STA. 11+00.00
℄ N. WALNUT GROVE RD.
EXIST. STRUCTURE M5
(1) - 6'X3' RCB
TO REMAIN
STA. 130+97.66 CL FM 1387
STA. 10+00.00 CL N. WALNUT GROVE RD.
PROP. AREA DRAIN
EXIST. (1) - 36" RCP
PROP. STRUCTURE M6
(1) - 6'X2' RCB
STA. 132+92
90' ROW
51' RDWY
74B
64
R=50' TYP
PROP. GUARDRAIL (TYP)
STA. 130+97.78 CL FM 1387
STA. 12+59.04 CL S. WALNUT GROVE RD.
UNNAMED TRIB #3B
75' ROW
EXISTING SIGNALIZED INTERSECTION
℄ S. WALNUT GROVE RD.
BEGIN CONSTRUCTION
℄ S. WALNUT GROVE RD.
STA. 11+00.00
63
65
66
67
68
69
70
71
74A
STA. 144+48.99 CL FM 1387
STA. 10+00.00 CL MARIGOLD DR.
R=30' TYP
SOUND WALL 3
74C
74G
℄ FM 1387
PROP. ROW
FM 1387
OH TRANS.

SUPERELEVATION TABLE			
EASTBOUND STATION	SUPERELEVATION e%	WESTBOUND STATION	SUPERELEVATION e%
		* 126+90.00	-2.00%
		* 129+90.00	2.00%
		* 131+50.00	2.00%
		* 134+50.00	-2.00%
		141+00.00	-2.00%
		144+00.00	2.00%
		154+00.00	2.00%
		157+00.00	-2.00%
157+50.00	-2.00%	157+50.00	-2.00%
158+23.00	-2.50%	158+23.00	-2.50%
160+33.00	-2.50%	160+33.00	-2.50%
161+00.00	-2.00%	161+00.00	-2.00%

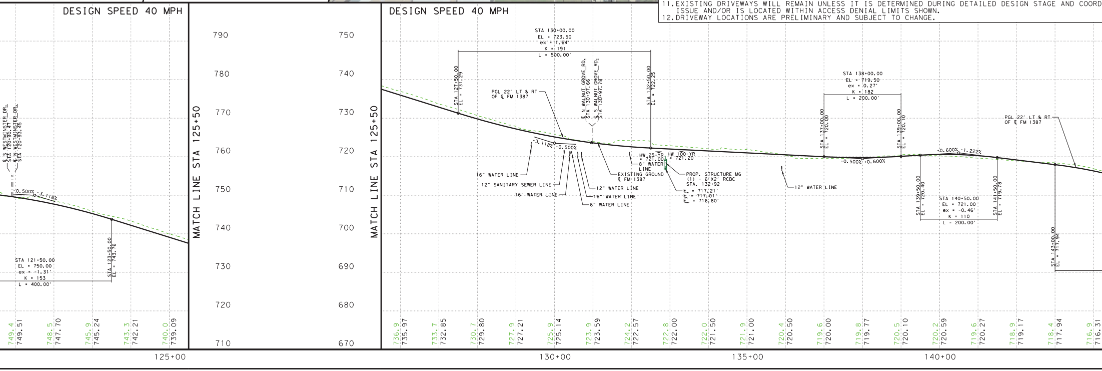
* WESTBOUND CROSS SLOPE FLIP FOR SIDE STREET TIE-IN

CURVE DATA							
CURVE NO.	P.I. STA.	DELTA	T	L	R	P.C. STA.	P.T. STA.
FM 1387 CURVE - 4	99+09.28	3°42'07.30" (LT)	96.95'	193.84'	3000.00'	98+12.32	100+06.16
FM 1387 CURVE - 5	101+03.11	3°42'07.30" (RT)	96.95'	193.84'	3000.00'	100+06.16	102+00.00
FM 1387 CURVE - 6	108+70.08	14°28'53.91" (RT)	381.16'	758.26'	3000.00'	104+88.92	112+47.18
FM 1387 CURVE - 7	115+55.53	3°18'05.26" (RT)	86.46'	172.86'	3000.00'	114+69.07	116+41.94
FM 1387 CURVE - 8	129+09.25	21°03'56.79" (LT)	780.92'	1544.20'	4200.00'	121+28.34	136+72.54
FM 1387 CURVE - 9	153+13.18	13°10'53.56" (RT)	346.62'	690.18'	3000.00'	149+66.55	156+56.74

CURVE DATA (CONT.)					
CURVE NO.	P.I. STA.	DELTA	T	L	R
FM 1387 CURVE - 10	163+99.21	11°40'12.48" (LT)	306.58'	611.05'	3000.00'
KENSINGTON DR. CURVE - 1	10+68.13	1°00'10.70" (LT)	8.75'	17.51'	1000.00'
OAK HOLLOW RD. CURVE - 1	12+10.03	14°48'33.23" (RT)	45.49'	90.46'	350.00'
N. ROYAL LN. CURVE - 1	10+82.02	16°21'46.43" (RT)	17.25'	34.27'	120.00'
HIDDEN MEADOW CT. CURVE - 1	12+26.31	53°20'27.00" (LT)	75.35'	139.65'	150.00'
HIDDEN MEADOW CT. CURVE - 2	13+75.50	5°30'55.11" (RT)	12.04'	24.07'	250.00'

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.

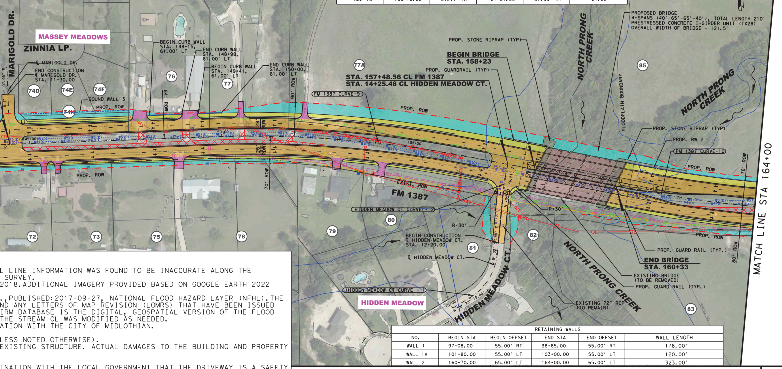
NOTES:
1. EXISTING ROW FOR FM 1387 IS APPARENT ROW PROVIDED BY TXDOT, NOT PER DEED RESEARCH.
2. EXISTING PARCEL LINES ARE APPROXIMATE. INFORMATION RETRIEVED FROM ELLIS COUNTY, 2020. GIS PARCE
CORRIDOR. PARCELS WERE EDITED TO REFLECT EXISTING FEATURES SHOWN ON AERIAL IMAGERY AND AERIAL
3. AERIAL FLIGHT DATE - JUNE 2017. EXISTING TOPOGRAPHICAL INFORMATION AS PROVIDED BY TXDOT, FEB
4. TRAFFIC PROJECTIONS PENDING TRANSPORTATION PLANNING & PROGRAMMING (TPP) APPROVAL.
5. EXISTING CREEK CENTERLINE SOURCE: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), WASHINGTON, D.C
NFHL DATA INCORPORATES ALL FLOOD INSURANCE RATE MAP (FIRM) DATABASES PUBLISHED BY THE FEMA, A
AGAINST THOSE DATABASES SINCE THEIR PUBLICATION DATE. IT IS UPDATED ON A MONTHLY BASIS. THE F
HAZARD INFORMATION SHOWN ON THE PUBLISHED PAPER FIRMS. DUE TO NEW HIGH RESOLUTION TOPOGRAPHY
6. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMINED IN THE PS&E DEVELOPMENT PHASE IN COORDIN
7. DESIGN IS SUBJECT TO CHANGE WITHOUT NOTICE.
8. DIMENSIONS ARE TO THE EDGE OF THE PAVEMENT OR NOMINAL FACE OF CURB , RAIL, BARRIER OR WALL (UN
9. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENTS IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE
TO BE DETERMINED DURING ROW ACQUISITION.
10. CONVENTIONAL ROADWAY SIGNAL (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING PS&E.
11. EXISTING DRIVEWAYS WILL REMAIN UNLESS IT IS DETERMINED DURING DETAILED DESIGN STAGE AND COORD
ISSUE AND/OR IS LOCATED WITHIN ACCESS DENIAL LIMITS SHOWN.
12. DRIVEWAY LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE.



P.C. STA.	P.T. STA.
160+92.63	167+03.67
10+59.38	10+76.89
11+64.55	12+55.01
10+64.77	10+99.04
10+50.97	11+90.61
13+63.45	13+87.51

TURN LANE DETAILS (CONT.)				
DIRECTION	INTERSECTION	TAPER LENGTH	STORAGE + DECELERATION	MEDIAN NOSE RADIUS
EBL	WALNUT GROVE RD.	100′	375′	12.00′
EBR	WALNUT GROVE RD.	100′	375′	-
WBL	WALNUT GROVE RD.	100′	465′	12.00′
WBR	WALNUT GROVE RD.	100′	410′	-
EBL	MARIGOLD DR.	100′	475′	14.00′
WBL	HIDDEN MEADOW CT.	100′	475′	3.00′

GUARDRAIL TABLE					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	GUARDRAIL LENGTH
NO. 11	96+01.00	55.55′ RT	97+08.00	54.50′ RT	108.00′
NO. 12	98+12.00	62.00′ LT	98+77.00	62.00′ LT	65.00′
NO. 12A	99+22.00	62.00′ LT	99+87.00	62.00′ LT	65.00′
NO. 13	132+09.00	57.50′ RT	132+74.00	57.50′ RT	65.00′
NO. 14	133+10.00	57.50′ RT	133+75.00	57.50′ RT	65.00′
NO. 15	157+26.00	65.00′ LT	158+27.00	65.00′ LT	75.00′
NO. 16	160+70.00	57.17′ RT	161+31.00	57.33′ RT	61.00′


MARIGOLD DR.
MASSEY MEADOWS
ZINNIA LP.
℄ MARIGOLD DR.
END CONSTRUCTION ℄ MARIGOLD DR. STA. 11+30.00
BEGIN CURB WALL STA. 148+15, 61.00′ LT
END CURB WALL STA. 148+98, 61.00′ LT
BEGIN CURB WALL STA. 149+41, 61.00′ LT
END CURB WALL STA. 150+00, 61.00′ LT
SOUND WALL 3
PROP. ROW
74D
74E
74F
74H
76
77
77A
FM 1387 CURVE-9
STA. 157+48.56 CL FM 1387
STA. 14+25.48 CL HIDDEN MEADOW CT.
BEGIN BRIDGE
STA. 158+23
PROP. GUARDRAIL (TYP)
PROP. STONE RIPRAP (TYP)
NORTH PRONG CREEK
85
FLOODPLAIN BOUNDARY
PROPOSED BRIDGE
4-SPANS (40′-65′-65′-40′), TOTAL LENGTH 210′
PRESTRESSED CONCRETE I-GIRDER UNIT (TX28)
OVERALL WIDTH OF BRIDGE - 121.5′
PROP. STONE RIPRAP (TYP)
PROP. RW 2
FM 1387 CURVE-10
PROP. ROW
76′ ROW
90′ ROW
70′ ROW
EXIST. ROW
FM 1387
HIDDEN MEADOW CT CURVE - 2
80
R=30′
R=30′
BEGIN CONSTRUCTION ℄ HIDDEN MEADOW CT. STA. 12+20.00
℄ HIDDEN MEADOW CT.
81
82
79
72
73
75
78
HIDDEN MEADOW CT CURVE - 1
HIDDEN MEADOW
HIDDEN MEADOW CT.
N 58° 23′ 18.40″
10+00
PROP. GUARD RAIL (TYP.)
END BRIDGE
STA. 160+33
EXISTING BRIDGE (TO BE REMOVED)
PROP. GUARD RAIL (TYP.)
NORTH PRONG CREEK
EXISTING 72″ RCP (TO REMAIN)
83
PROP. ROW
80′ ROW
MATCH LINE STA 164+00

L LINE INFORMATION WAS FOUND TO BE INACCURATE ALONG THE
SURVEY.
2018. ADDITIONAL IMAGERY PROVIDED BASED ON GOOGLE EARTH 2022

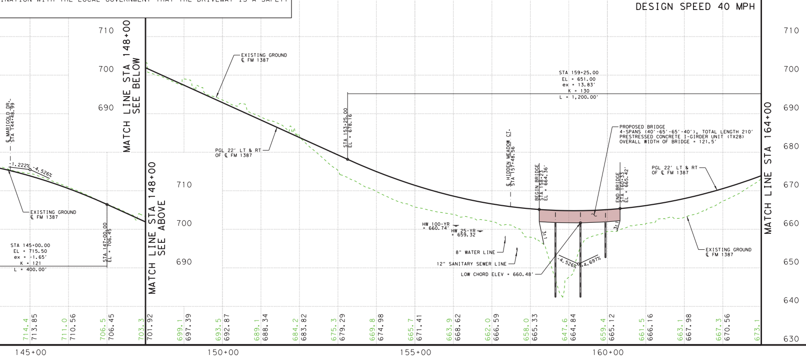
., PUBLISHED: 2017-09-27, NATIONAL FLOOD HAZARD LAYER (NFHL). THE
ND ANY LETTERS OF MAP REVISION (LOMRS) THAT HAVE BEEN ISSUED
IRM DATABASE IS THE DIGITAL, GEOSPATIAL VERSION OF THE FLOOD
THE STREAM CL WAS MODIFIED AS NEEDED.
ATION WITH THE CITY OF MIDLOTHIAN.

LESS NOTED OTHERWISE).
EXISTING STRUCTURE. ACTUAL DAMAGES TO THE BUILDING AND PROPERTY

INATION WITH THE LOCAL GOVERNMENT THAT THE DRIVEWAY IS A SAFETY

RETAINING WALLS					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 1	97+08.00	55.00′ RT	98+85.00	55.00′ RT	178.00′
WALL 1A	101+80.00	55.00′ LT	103+00.00	55.00′ LT	120.00′
WALL 2	160+70.00	65.00′ LT	164+00.00	65.00′ LT	323.00′

DESIGN SPEED 40 MPH


710
700
690
680
670
660
650
640
630
MATCH LINE STA 148+00 SEE BELOW
MATCH LINE STA 148+00 SEE ABOVE
MATCH LINE STA 164+00
℄ MARIGOLD DR. STA 144+48.99
-1.222%
-4.526%
EXISTING GROUND ℄ FM 1387
STA 145+00.00
EL = 715.50
ex = -1.65′
K = 121
L = 400.00′
STA 147+00.00 EL = 706.45
EXISTING GROUND ℄ FM 1387
PGL 22′ LT & RT OF ℄ FM 1387
STA 153+25.00 EL = 678.16
STA 159+25.00
EL = 651.00
ex = 13.83′
K = 130
L = 1,200.00′
℄ HIDDEN MEADOW CT. STA 157+48.56
BEGIN BRIDGE STA 158+23 EL = 664.36′
END BRIDGE STA 160+33 EL = 665.42′
PROPOSED BRIDGE
4-SPANS (40′-65′-65′-40′), TOTAL LENGTH 210′
PRESTRESSED CONCRETE I-GIRDER UNIT (TX28)
OVERALL WIDTH OF BRIDGE = 121.5′
PGL 22′ LT & RT OF ℄ FM 1387
HW 100-YR = 660.74′
HW 25-YR = 659.32
8″ WATER LINE
12″ SANITARY SEWER LINE
LOW CHORD ELEV = 660.48′
-4.526%
4.697%
EXISTING GROUND ℄ FM 1387
714.4 713.85
711.0 710.56
706.5 706.45
703.3 701.92
699.1 697.39
693.5 692.87
689.1 688.34
684.2 683.82
675.3 679.29
669.8 674.98
665.7 671.41
663.9 668.62
662.0 666.59
658.0 665.33
647.6 664.84
659.4 665.12
661.5 666.16
663.1 667.98
667.3 670.56
673.1
145+00
150+00
155+00
160+00

Texas Department of Transportation
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DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 1387
100% DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ's: 1394-02-027 & 1394-01-002
LENGTH: 5.75 MILES
DATED: AUGUST 2024

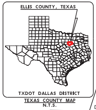
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
MIDLOTHIAN PARKWAY	45 MPH	MAJOR COLLECTOR
WALLNUT GROVE ROAD	35 MPH	MAJOR COLLECTOR
LONGBRANCH ROAD	35 MPH	MAJOR COLLECTOR
FM 664	55 MPH	MAJOR COLLECTOR
LOCAL STREETS	30 MPH	LOCAL

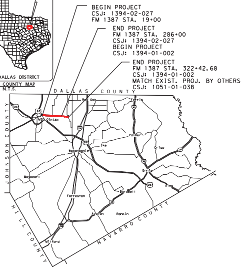
INDEX OF SHEETS

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+36
■ 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

ROLL 2 OF 8


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT
TEXAS COUNTY MAP
N.T.S.


BEGIN PROJECT
CSJ: 1394-02-027
FM 1387 STA. 19+00
END PROJECT
FM 1387 STA. 286+00
CSJ: 1394-02-027
BEGIN PROJECT
CSJ: 1394-01-002
END PROJECT
FM 1387 STA. 322+42.68
CSJ: 1394-01-002
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
Bardwell
Forreston
Rankin
Avalon
Milford
Italy
Alma

LOCATION MAP
N.T.S.

LEGEND

─ · · ─	EXISTING RIGHT OF WAY LINE	─ · · ─	PROPOSED DRAINAGE EASEMENT
─ · · ─	PROPOSED RIGHT OF WAY LINE	▬	PROPOSED CONCRETE PAVEMENT
─ · · ─	RIGHT OF WAY LINE BY OTHERS	▬	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
▨	FEMA 100 YR FLOODPLAIN LIMITS	▨	POTENTIAL IMPACTED PROPERTY
───	CURB WALL	▬	METAL BEAM GUARD FENCE (MBGF)
─ · ─	SOUND WALL	▨	DEDICATION FOR TRANSPORTATION USE

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	8/05/2024

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SUITE 400
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713