Texas Department of Transportation

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DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

FM 1387
DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS

FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.2 MILES

DATED: JULY 2022

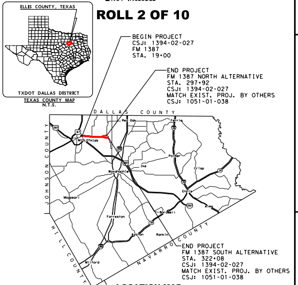
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
INTERSECTING STREETS	30 MPH	LOCAL

INDEX OF SHEETS

- ROLL 1 OF 10: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
- ROLL 2 OF 10: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
- ROLL 3 OF 10: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
- ROLL 4 OF 10: PLAN & PROFILE VIEW STA. 228+00 TO STA. 297+92 (NORTH ALTERNATIVE)
- ROLL 5 OF 10: PLAN & PROFILE VIEW STA. 229+00 TO STA. 286+00 (SOUTH ALTERNATIVE)
- ROLL 6 OF 10: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+08 (SOUTH ALTERNATIVE)
- ■ROLL 7 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
- ■ROLL 8 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
- ■ROLL 9 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (NORTH ALTERNATIVE)
- ■ROLL 10 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (SOUTH ALTERNATIVE)

■NOT INCLUDED

ROLL 2 OF 10


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

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

END PROJECT
FM 1387 NORTH ALTERNATIVE
STA. 297+92
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038

END PROJECT
FM 1387 SOUTH ALTERNATIVE
STA. 322+08
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038

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	▬	ADJACENT PROJECT - BY OTHERS
— — —	CITY/COUNTY BOUNDARY LINE	▬	PROPOSED ROW ACQUISITION
- - -	EXISTING DRAINAGE	←	PROPOSED LANES
·—◄·—	PROPOSED DITCH BOTTOM	(#)	PARCEL IDENTIFYING NUMBER
▥	PROPOSED DRAINAGE STRUCTURE	▨	EXISTING PAVEMENT REMOVAL
——	PROPOSED RETAINING WALL	▨	DISPLACEMENT
◄∿	DIRECTION OF FLOW	▬	CURB WALL
▨	EXISTING 100-YEAR FLOODPLAIN	▬	METAL BEAM GUARD FENCE (MBGF)

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

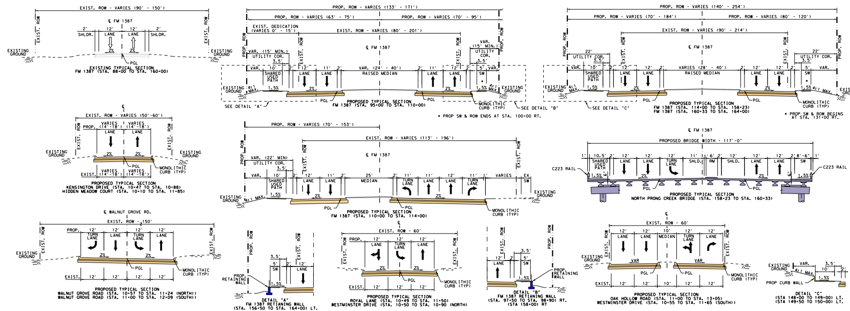
PRELIMINARY
FOR INTERIM REVIEW ONLY

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:

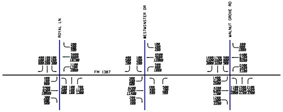
NAME	P.E. NO.	DATE
RANDY L GROS, PE	134559	07/29/2022

GARVER
3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713


EXIST. ROW - VARIES (90' - 150')
℄ FM 1387
SHLDR.
LANE
EXISTING GROUND
PGL
EXISTING TYPICAL SECTION
FM 1387 (STA. 88+00 TO STA. 160+00)
PROP. ROW - VARIES (133' - 171')
PROP. ROW - VARIES (63' - 75')
PROP. ROW - VARIES (70' - 95')
EXIST. DEDICATION (VARIES 0' - 15')
EXIST. ROW - VARIES (80' - 201')
VAR. (15' MIN.) UTILITY COR.
SHARED USED PATH
RAISED MEDIAN
SW
SEE DETAIL "A"
SEE DETAIL "B"
MONOLITHIC CURB (TYP)
PROPOSED TYPICAL SECTION
FM 1387 (STA. 95+00 TO STA. 110+00)
* PROP SW & ROW ENDS AT STA. 100+00 RT.
PROP. ROW - VARIES (140' - 254')
PROP. ROW - VARIES (70' - 184')
PROP. ROW - VARIES (80' - 120')
EXIST. ROW - VARIES (90' - 214')
SEE DETAIL "C"
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.
EXIST. ROW - VARIES (50'-60')
PROPOSED TYPICAL SECTION
KENSINGTON DRIVE (STA. 10+47 TO STA. 10+88)
HIDDEN MEADOW COURT (STA. 10+10 TO STA. 11+85)
PROP. ROW - VARIES (70' - 153')
EXIST. ROW - VARIES (113' - 196')
VAR. (22' MIN) UTILITY COR.
MEDIAN
TURN LANE
PROPOSED TYPICAL SECTION
FM 1387 (STA. 110+00 TO STA. 114+00)
PROPOSED BRIDGE WIDTH - 117'-0"
C223 RAIL
SHLD.
RM
PROPOSED TYPICAL SECTION
NORTH PRONG CREEK BRIDGE (STA. 158+23 TO STA. 160+33)
℄ WALNUT GROVE RD.
EXIST. ROW - 150'
PROPOSED TYPICAL SECTION
WALNUT GROVE ROAD (STA. 10+57 TO STA. 11+24 (NORTH))
WALNUT GROVE ROAD (STA. 11+00 TO STA. 12+09 (SOUTH))
PROP. RETAINING WALL
DETAIL "A"
FM 1387 RETAINING WALL
(STA. 156+50 TO STA. 164+00) LT.
EXIST. ROW - 60'
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+50 TO STA. 98+90) RT.
(STA 158+00) RT
PROPOSED TYPICAL SECTION
OAK HOLLOW ROAD (STA. 11+00 TO STA. 13+05)
WESTMINSTER DRIVE (STA. 10+55 TO STA. 11+65 (SOUTH))
PROP CURB WALL
DETAIL "C"
(STA 148+00 TO 149+00) LT.
(STA 149+50 TO 150+00) LT.

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

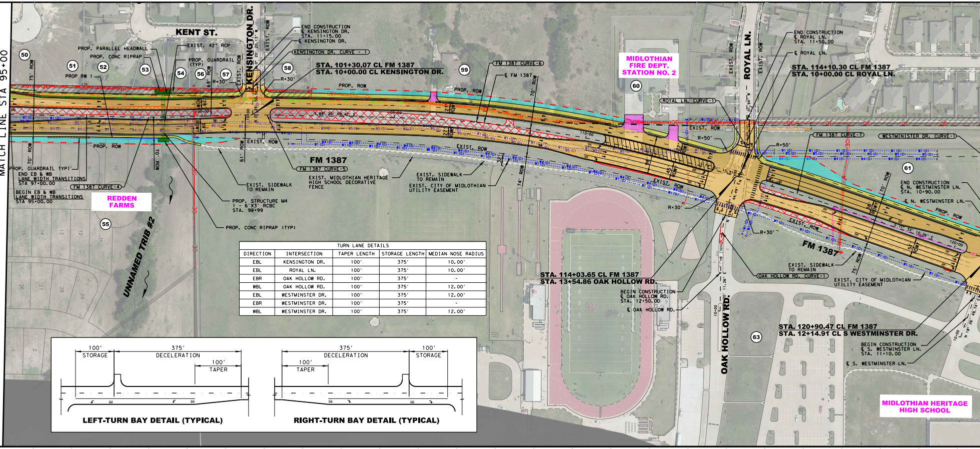

ROYAL LN
WESTMINSTER DR
WALNUT GROVE RD
FM 1387

NOTE:
SOURCE OF DATA: TXDOT, TRANSPORTATION
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
50	261285	GARZA PATRICIA A & HECTOR JR	3242 LE MANNS ST	MIDLOTHIAN	TX	76065	3242 LE MANNS ST MIDLOTHIAN, TX 76065	0.222	LOT 4 BLK K WINDERMERE ESTATES .222 AC
51	261286	SERRANO-TOBAR DANIELA & ROMEL SERRANO-QUITO	502 DOVER DR	MIDLOTHIAN	TX	76065	502 DOVER DR MIDLOTHIAN, TX 76065	0.331	LOT 5 BLK K WINDERMERE ESTATES 0.331 AC
52	224843	FAIRMAN AUSTIN C & KIMBERLY K KELLY	3402 KENT ST	MIDLOTHIAN	TX	76065	3402 KENT ST MIDLOTHIAN, TX 76065	0.31	LOT 5 BLK 1 KENSINGTON PARK PH I 0.31 AC
53	224852	MOON DANIELLE E	3406 KENT ST	MIDLOTHIAN	TX	76065-8712	3406 KENT ST MIDLOTHIAN, TX 76065	0.182	LOT 4 BLK 1 KENSINGTON PARK PH I 0.182 AC
54	224851	KNIGHT RONALD A	3410 KENT ST	MIDLOTHIAN	TX	76065	3410 KENT ST MIDLOTHIAN, TX 76065	0.172	LOT 3 BLK 1 KENSINGTON PARK PH I 0.172 AC
55	227463	D2 REDDEN LLC	5615 PRESTON FAIRWAYS	DALLAS	TX	75252	FM 1387 MIDLOTHIAN, TX 76065	302.334	1188 F E WITHERSPOON & 1333 W J ELY & 700 B MONROE & 1245 W G STEWART & 556 R A BULLOCK 302.334 ACRES
56	224850	SHELLEY MARGARET N L/E - GEORGE A KETCHAM & RENEE S	3414 KENT ST	MIDLOTHIAN	TX	76065	3414 KENT ST MIDLOTHIAN, TX 76065	0.172	LOT 2 BLK 1 KENSINGTON PARK PH I 0.172 AC
57	224856	MC CLURE WILLIAM E & MARGARET E	3418 KENT ST	MIDLOTHIAN	TX	76065-8712	3418 KENT ST MIDLOTHIAN, TX 76065	0.196	1 1 KENSINGTON PARK PH I 0.196 ACRES
58	224848	BEHRING DAVID A	321 BROWN TRAIL	HURST	TX	76053	502 KENSINGTON DR MIDLOTHIAN, TX 76065	0.206	LOT 1 BLK 3 KENSINGTON PARK PH I 0.206 AC
59	198043	MASSEY HERSHAL H JR	3461 FM 1387	MIDLOTHIAN	TX	76065-5153	3461 FM 1387 MIDLOTHIAN, TX 76065	10.333	604 G KIRK; 1096 A W TUCKER 10.333 ACRES
60	231332	MIDLOTHIAN CITY OF	104 W AVENUE E	MIDLOTHIAN	TX	76065-2901	FM 1387 MIDLOTHIAN, TX 76065	1.297	LOT 1 BLK 1 MIDLOTHIAN FIRE DEPARTMENT 1.297 AC
61	259463	MIDLOTHIAN ISD	100 WALTER STEPHENSON RD	MIDLOTHIAN	TX	76065-3418	FM 1387 MIDLOTHIAN, TX 76065	1.52	LOT 3 MIDLOTHIAN HERITAGE HIGH SCHOOL 1.52 AC
62	259462	MIDLOTHIAN ISD	100 WALTER STEPHENSON RD	MIDLOTHIAN	TX	76065-3418	FM 1387 MIDLOTHIAN, TX 76065	6.076	LOT 2 MIDLOTHIAN HERITAGE HIGH SCHOOL 6.076 AC
63	179271	MIDLOTHIAN ISD	100 WALTER STEPHENSON RD	MIDLOTHIAN	TX	76065-3418	4000 FM 1387 MIDLOTHIAN, TX 76065	101.397	LOT 1 MIDLOTHIAN HERITAGE HIGH SCHOOL 101.397 AC
64	259280	TEXAS DEPARTMENT OF TRANSPORTATION	125 E 11TH ST	AUSTIN	TX	78701	S WALNUT GROVE RD MIDLOTHIAN, TX 76065	0.051	LOT PT 1 OAK HOLLOW EST 0.051 AC
65	153049	FREEMAN JACK P III	220 S WALNUT GROVE RD	MIDLOTHIAN	TX	76065-6204	220 S WALNUT GROVE RD MIDLOTHIAN, TX 7606	2.189	LOT PT 1 & 13 OAK HOLLOW EST #1 2.189 AC
66	153040	WIGINTON LEE G & BECKY	131 CRESTBROOK CTT	MIDLOTHIAN	TX	76065-5288	4220 FM 1387 MIDLOTHIAN, TX 76065	0.88	LOT 2 OAK HOLLOW EST #1 .88 AC
67	153041	SHELDON LESLIE L & COLE	4230 FM 1387	MIDLOTHIAN	TX	76065	4230 FM 1387 MIDLOTHIAN, TX 76065	0.98	LOT 3 OAK HOLLOW EST #1 .98 AC
68	153042	KELLEY CHET & VANESSA	4240 FM 1387	MIDLOTHIAN	TX	76065-5202	4240 FM 1387 MIDLOTHIAN, TX 76065	1.55	LOT 4 OAK HOLLOW EST #1 1.55 AC
69	153043	ARTKOP GREGORY T	4250 FM 1387	MIDLOTHIAN	TX	76065-5202	4250 FM 1387 MIDLOTHIAN, TX 76065	1.68	LOT 5 OAK HOLLOW EST #1 1.68 AC
70	153044	KRUMDIECK ALAN R & KATHRYN S	2133 WESTVIEW DR	WILLS POINT	TX	75169	4410 FM 1387 MIDLOTHIAN, TX 76065	1.57	LOT 6 OAK HOLLOW EST #1 1.57 AC
71	153035	RITTER BILL F L/E - PATRICIA MEDINA	109 DOVE AVE	RED OAK	TX	75154	4420 FM 1387 MIDLOTHIAN, TX 76065	1.81	LOT 7 OAK HOLLOW EST #1 1.81 AC
72	153036	MC MINN ALVIN STEVEN	4430 FM 1387	MIDLOTHIAN	TX	76065-5203	4430 FM 1387 MIDLOTHIAN, TX 76065	1.87	LOT 8 OAK HOLLOW EST #1 1.87 AC
73	153037	JENNINGS JEFFREY LEE	4440 FM 1387	MIDLOTHIAN	TX	76065-5203	4440 FM 1387 MIDLOTHIAN, TX 76065	1.88	LOT 9 OAK HOLLOW EST #1 1.88 AC
74A	189236	MASSEY JERRY C ETAL	1636 PLUM CREEK DR	MIDLOTHIAN	TX	76065-3305	FM 1387 MIDLOTHIAN, TX 76065	19.606	838 J POWERS 19.606 ACRES
74B	257354	TEXAS DEPARTMENT OF TRANSPORTATION	125 E 11TH ST	AUSTIN	TX	78701	N WALNUT GROVE RD MIDLOTHIAN, TX 76065	1.205	1311 R W TUCKER 1.205 ACRES
74C	275722	BLOOMFIELD HOMES LP	1050 E HWY 114, #210	SOUTHLAKE	TX	76092	501 MARIGOLD DR MIDLOTHIAN, TX 76065	0.206	LOT 40 BLK A MASSEY MEADOWS 0.206 AC
74D	275853	J HOUSTON HOMES LLC	200 N INTERSTATE HWY 35 STE C	RED OAK	TX	75154-4241	502 ZINNIA LOOP MIDLOTHIAN, TX 76065	0.259	LOT 1 BLK G MASSEY MEADOWS 0.259 AC
74E	275854	ANTARES ACQUISITION LLC	840 I-20 E	ARLINGTON	TX	76018-1131	506 ZINNIA LOOP MIDLOTHIAN, TX 76065	0.268	LOT 2 BLK G MASSEY MEADOWS 0.268 AC
74F	275855	ANTARES ACQUISITION LLC	840 I-20 E	ARLINGTON	TX	76018-1131	510 ZINNIA LOOP MIDLOTHIAN, TX 76065	0.367	LOT 3 BLK G MASSEY MEADOWS 0.367 AC
74G	275872	MASSEY MEADOWS LLC	411 N 8TH ST SUITE 100	MIDLOTHIAN	TX	76065	MARIGOLD DR MIDLOTHIAN, TX 76065	0.039	LOT 4 (COMMON AREA) MASSEY MEADOWS 0.039 AC
74H	275873	MASSEY MEADOWS LLC	411 N 8TH ST SUITE 100	MIDLOTHIAN	TX	76065	MARIGOLD DR MIDLOTHIAN, TX 76065	0.093	LOT 5 (COMMON AREA) MASSEY MEADOWS 0.093 AC
75	153038	TOBERNY DANIEL WM	P O BOX 1140	MIDLOTHIAN	TX	76065-1140	4450 FM 1387 MIDLOTHIAN, TX 76065	1.82	LOT 10 OAK HOLLOW EST #1 1.82 AC
76	193048	GENTRY LINDA PAULINE TODD	4451 FM 1387	MIDLOTHIAN	TX	76065-5230	4451 FM 1387 MIDLOTHIAN, TX 76065	1.94	1311 R W TUCKER 1.94 ACRES
77A	270485	MASSEY MEADOWS LLC	411 N 8TH ST SUITE 100	MIDLOTHIAN	TX	76065	FM 1387 MIDLOTHIAN, TX 76065	48.402	838 J POWERS 48.402 ACRES
77	193045	REITZ R P B & REBECCA REVOCABLE LIVING TRUST	4611 FM 1387	MIDLOTHIAN	TX	76065	4611 FM 1387 MIDLOTHIAN, TX 76065	4.04	1311 R W TUCKER 4.04 ACRES
78	153039	TOBERNY DANIEL WM	P O BOX 1140	MIDLOTHIAN	TX	76065-1140	4450 FM 1387 MIDLOTHIAN, TX 76065	2.69	LOT 11-12 OAK HOLLOW EST #1 2.69 AC
79	189241	COOPER JAMES L	PO BOX 306	MIDLOTHIAN	TX	76065-0306	4650 FM 1387 MIDLOTHIAN, TX 76065	0.8199	LOT 2 BLK 1 COOPER/ELLIOTT ADDN .8199 AC
80	209476	JOHNSTON WILLIAM H IV	4660 FM 1387	MIDLOTHIAN	TX	76065	4660 FM 1387 MIDLOTHIAN, TX 76065	0.6691	LOT 1 BLK 1 COOPER/ELLIOTT ADDN .6691 AC
81	239037	JOHNSON CHRISTOPHER & JENNIFER	201 HIDDEN MEADOW CIR	MIDLOTHIAN	TX	76065-5218	201 HIDDEN MEADOW CIR MIDLOTHIAN, TX 76065	0.7186	LOT 1 BLK 1 HIDDEN MEADOW .7186 AC
82	235505	BLAIR THOMAS D	437 HIDDEN MEADOW CIR	MIDLOTHIAN	TX	76065-5217	437 HIDDEN MEADOW CIR MIDLOTHIAN, TX 7606	1.3025	18 1 HIDDEN MEADOW 1.3025 ACRES
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
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

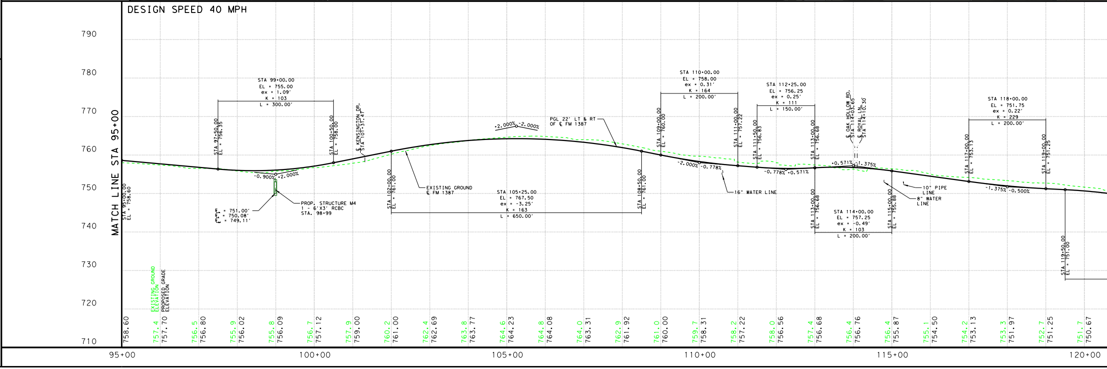
PARCEL OWNER INFORMATION TABLE

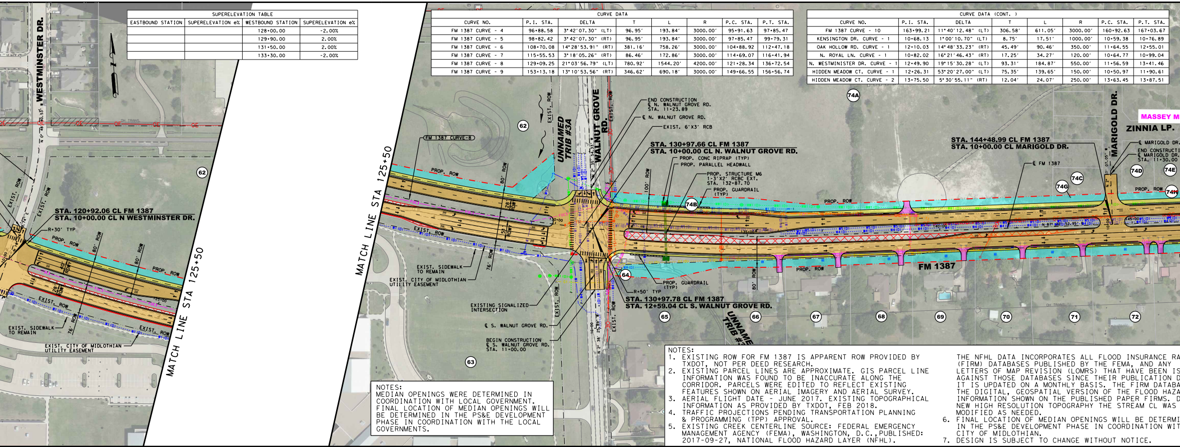

MATCH LINE STA 95+00
KENT ST.
KENSINGTON DR.
ROYAL LN.
OAK HOLLOW RD.
FM 1387
MIDLOTHIAN FIRE DEPT. STATION NO. 2
REDDEN FARMS
MIDLOTHIAN HERITAGE HIGH SCHOOL
UNNAMED TRIB #2
50
51
52
53
54
55
56
57
58
59
60
61
63
PROP. PARALLEL HEADWALL
EXIST. 42" RCP
PROP. CONC RIPRAP
PROP. GUARDRAIL (TYP)
PROP RW 1
END CONSTRUCTION
℄ KENSINGTON DR.
STA. 11+15.00
℄ KENSINGTON DR.
KENSINGTON DR. CURVE - 1
STA. 101+30.07 CL FM 1387
STA. 10+00.00 CL KENSINGTON DR.
FM 1387 CURVE-6
℄ FM 1387
PROP. ROW
EXIST. ROW
R=30'
R=50'
PROP. GUARDRAIL TYP
END EB & WB
LANE WIDTH TRANSITIONS
STA 97+00.00
FM 1387 CURVE-4
BEGIN EB & WB
LANE WIDTH TRANSITIONS
STA 95+00.00
FM 1387 CURVE-5
EXIST. SIDEWALK TO REMAIN
EXIST. MIDLOTHIAN HERITAGE HIGH SCHOOL DECORATIVE FENCE
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
PROP. STRUCTURE M4
1 - 6'X3' RCBC
STA. 98+99
PROP. CONC RIPRAP (TYP)
ROYAL LN. CURVE-1
END CONSTRUCTION
℄ ROYAL LN.
STA. 11+50.00
℄ ROYAL LN.
STA. 114+10.30 CL FM 1387
STA. 10+00.00 CL ROYAL LN.
FM 1387 CURVE-7
WESTMINSTER DR. CURVE-1
END CONSTRUCTION
℄ N. WESTMINSTER LN.
STA. 10+90.00
℄ N. WESTMINSTER LN.
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. CURVE-1
STA. 120+90.47 CL FM 1387
STA. 12+14.91 CL S WESTMINSTER DR.
BEGIN CONSTRUCTION
℄ S. WESTMINSTER LN.
STA. 11+10.00
℄ S. WESTMINSTER LN.
70' ROW
75' ROW
74' ROW
61' ROW
100'
STORAGE
375'
DECELERATION
100'
TAPER

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′

LEFT-TURN BAY DETAIL (TYPICAL)

RIGHT-TURN BAY DETAIL (TYPICAL)




WESTMINSTER DR.
STA. 120+92.06 CL FM 1387
STA. 10+00.00 CL N WESTMINSTER DR.
R=30' TYP
PROP. ROW
EXIST. ROW
EXIST. SIDEWALK TO REMAIN
EXIST. CITY OF MIDLOTHIAN UTILITY EASEMENT
MATCH LINE STA 125+50
FM 1387 CURVE-8
UNNAMED TRIB #3A
WALNUT GROVE RD.
END CONSTRUCTION ℄ N. WALNUT GROVE RD. STA. 11+23.89
℄ N. WALNUT GROVE RD.
EXIST. 6'X3' RCB
STA. 130+97.66 CL FM 1387
STA. 10+00.00 CL N. WALNUT GROVE RD.
PROP. CONC RIPRAP (TYP)
PROP. PARALLEL HEADWALL
PROP. STRUCTURE M6 1-3'X2' RCBC EXT. STA. 132+87.70
PROP. GUARDRAIL (TYP)
EXISTING SIGNALIZED INTERSECTION
℄ S. WALNUT GROVE RD.
BEGIN CONSTRUCTION ℄ S. WALNUT GROVE RD. STA. 11+00.00
R=50' TYP
STA. 130+97.78 CL FM 1387
STA. 12+59.04 CL S. WALNUT GROVE RD.
UNNAMED TRIB #3
STA. 144+48.99 CL FM 1387
STA. 10+00.00 CL MARIGOLD DR.
℄ FM 1387
MARIGOLD DR.
ZINNIA LP.
MASSEY M
℄ MARIGOLD DR.
END CONSTRUCTI ℄ MARIGOLD DR. STA. 11+30.00
FM 1387
62
63
64
65
66
67
68
69
70
71
72
74A
74B
74C
74D
74E
74G
74H

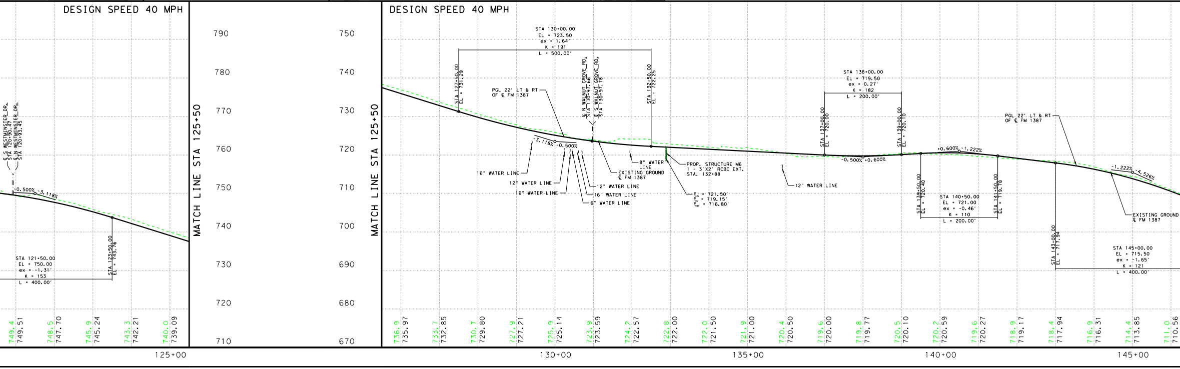
SUPERELEVATION TABLE			
EASTBOUND STATION	SUPERELEVATION e%	WESTBOUND STATION	SUPERELEVATION e%
		128+00.00	-2.00%
		129+90.00	2.00%
		131+50.00	2.00%
		133+30.00	-2.00%

CURVE DATA							
CURVE NO.	P.I. STA.	DELTA	T	L	R	P.C. STA.	P.T. STA.
FM 1387 CURVE - 4	96+88.58	3°42'07.30" (LT)	96.95'	193.84'	3000.00'	95+91.63	97+85.47
FM 1387 CURVE - 5	98+82.42	3°42'07.30" (RT)	96.95'	193.84'	3000.00'	97+85.47	99+79.31
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

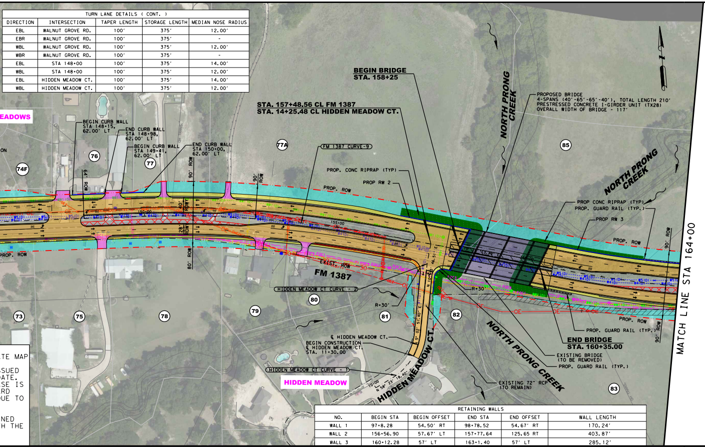
CURVE DATA (CONT.)							
CURVE NO.	P.I. STA.	DELTA	T	L	R	P.C. STA.	P.T. STA.
FM 1387 CURVE - 10	163+99.21	11°40'12.48" (LT)	306.58'	611.05'	3000.00'	160+92.63	167+03.67
KENSINGTON DR. CURVE - 1	10+68.13	1°00'10.70" (LT)	8.75'	17.51'	1000.00'	10+59.38	10+76.89
OAK HOLLOW RD. CURVE - 1	12+10.03	14°48'33.23" (RT)	45.49'	90.46'	350.00'	11+64.55	12+55.01
N. ROYAL LN. CURVE - 1	10+82.02	16°21'46.43" (RT)	17.25'	34.27'	120.00'	10+64.77	10+99.04
N. WESTMINISTER DR. CURVE - 1	12+49.90	19°15'30.28" (LT)	93.31'	184.87'	550.00'	11+56.59	13+41.46
HIDDEN MEADOW CT. CURVE - 1	12+26.31	53°20'27.00" (LT)	75.35'	139.65'	150.00'	10+50.97	11+90.61
HIDDEN MEADOW CT. CURVE - 2	13+75.50	5°30'55.11" (RT)	12.04'	24.07'	250.00'	13+63.45	13+87.51

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.

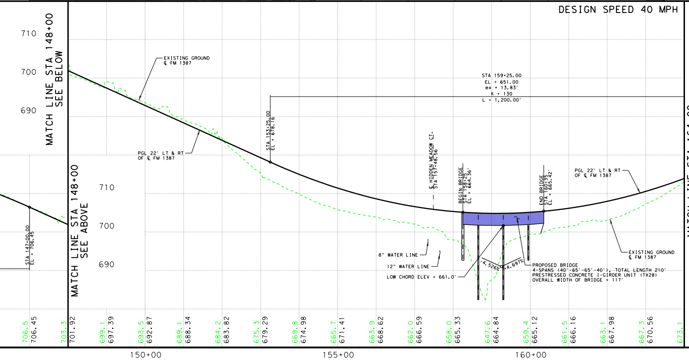
NOTES:
1. EXISTING ROW FOR FM 1387 IS APPARENT ROW PROVIDED BY TXDOT, NOT PER DEED RESEARCH.
2. EXISTING PARCEL LINES ARE APPROXIMATE. GIS PARCEL LINE INFORMATION WAS FOUND TO BE INACCURATE ALONG THE CORRIDOR. PARCELS WERE EDITED TO REFLECT EXISTING FEATURES SHOWN ON AERIAL IMAGERY AND AERIAL SURVEY.
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 RA
(FIRM) DATABASES PUBLISHED BY THE FEMA, AND ANY
LETTERS OF MAP REVISION (LOMRS) THAT HAVE BEEN IS
AGAINST THOSE DATABASES SINCE THEIR PUBLICATION D
IT IS UPDATED ON A MONTHLY BASIS. THE FIRM DATABA
THE DIGITAL, GEOSPATIAL VERSION OF THE FLOOD HAZA
INFORMATION SHOWN ON THE PUBLISHED PAPER FIRMS. D
NEW HIGH RESOLUTION TOPOGRAPHY THE STREAM CL WAS
MODIFIED AS NEEDED.
6. FINAL LOCATION OF MEDIAN OPENINGS WILL BE DETERMI
IN THE PS&E DEVELOPMENT PHASE IN COORDINATION WIT
CITY OF MIDLOTHIAN.
7. DESIGN IS SUBJECT TO CHANGE WITHOUT NOTICE.


DESIGN SPEED 40 MPH
DESIGN SPEED 40 MPH
MATCH LINE STA 125+50
MATCH LINE STA 125+50
790
780
770
760
750
740
730
720
710
750
740
730
720
710
700
690
680
670
℄ S WESTMINSTER DR. STA 120+90.47
℄ N WESTMINSTER DR. STA 120+93.45
-0.500%
-3.118%
STA 121+50.00 EL = 750.00 ex = -1.31' K = 153 L = 400.00'
STA 123+50.00 EL = 743.76
STA 127+50.00 EL = 731.29
STA 130+00.00 EL = 723.50 ex = 1.64' K = 191 L = 500.00'
STA 132+50.00 EL = 722.25
PGL 22' LT & RT OF ℄ FM 1387
℄ N. WALNUT GROVE RD. STA 130+97.66
℄ S. WALNUT GROVE RD. STA 130+97.78
-3.118%
-0.500%
16" WATER LINE
12" WATER LINE
16" WATER LINE
12" WATER LINE
16" WATER LINE
6" WATER LINE
8" WATER LINE
EXISTING GROUND ℄ FM 1387
PROP. STRUCTURE M6 1 - 3'X2' RCBC EXT. STA. 132+88
FL = 721.50' FL = 719.15' FL = 716.80'
12" WATER LINE
STA 138+00.00 EL = 719.50 ex = 0.27' K = 182 L = 200.00'
STA 137+00.00 EL = 720.00
STA 139+00.00 EL = 720.10
-0.500%
0.600%
0.600%
-1.222%
STA 139+50.00 EL = 720.40
STA 140+50.00 EL = 721.00 ex = -0.46' K = 110 L = 200.00'
STA 141+50.00 EL = 719.78
PGL 22' LT & RT OF ℄ FM 1387
STA 143+00.00 EL = 717.94
STA 145+00.00 EL = 715.50 ex = -1.65' K = 121 L = 400.00'
-1.222%
-4.526%
EXISTING GROUND ℄ FM 1387
749.4 749.51
748.5 747.70
745.9 745.24
743.3 742.21
740.0 739.09
736.9 735.97
733.7 732.85
730.7 729.80
727.9 727.21
725.9 725.14
723.9 723.59
724.2 722.57
722.8 722.00
722.0 721.50
721.9 721.00
720.4 720.50
719.6 720.00
719.8 719.77
720.5 720.10
720.2 720.59
719.6 720.27
718.9 719.17
718.4 717.94
716.9 716.31
714.4 713.85
711.0 710.56
125+00
130+00
135+00
140+00
145+00

TURN LANE DETAILS (CONT.)				
DIRECTION	INTERSECTION	TAPER LENGTH	STORAGE LENGTH	MEDIAN NOSE RADIUS
EBL	WALNUT GROVE RD.	100′	375′	12.00′
EBR	WALNUT GROVE RD.	100′	375′	-
WBL	WALNUT GROVE RD.	100′	375′	12.00′
WBR	WALNUT GROVE RD.	100′	375′	-
EBL	STA 148+00	100′	375′	14.00′
WBL	STA 148+00	100′	375′	12.00′
EBL	HIDDEN MEADOW CT.	100′	375′	14.00′
WBL	HIDDEN MEADOW CT.	100′	375′	12.00′


EADOWS
ON
TE MAP
SUED
ATE.
SE IS
RD
UE TO
NED
H THE
BEGIN CURB WALL
STA 148+15,
62.00′ LT
END CURB WALL
STA 148+98,
62.00′ LT
BEGIN CURB WALL
STA 149+41,
62.00′ LT
END CURB WALL
STA 150+00,
62.00′ LT
74F
76
77
77A
73
75
78
79
80
81
82
83
85
64′ ROW
90′ ROW
40′ RDWY
28′ RDWY
80′ ROW
90′ ROW
PROP. ROW
150+00
155+00
BEGIN BRIDGE
STA. 158+25
STA. 157+48.56 CL FM 1387
STA. 14+25.48 CL HIDDEN MEADOW CT.
FM 1387 CURVE-9
PROP. CONC RIPRAP (TYP)
PROP RW 2
PROP. ROW
NORTH PRONG CREEK
PROPOSED BRIDGE
4-SPANS (40′-65′-65′-40′), TOTAL LENGTH 210′
PRESTRESSED CONCRETE I-GIRDER UNIT (TX28)
OVERALL WIDTH OF BRIDGE - 117′
NORTH PRONG CREEK
PROP CONC RIPRAP (TYP)
PROP. GUARD RAIL (TYP.)
PROP RW 3
PROP. ROW
90′ ROW
EXIST. ROW
FM 1387
HIDDEN MEADOW CT CURVE - 2
R=30′
R=30′
PROP. ROW
PROP. GUARD RAIL (TYP.)
90′ ROW
END BRIDGE
STA. 160+35.00
EXISTING BRIDGE
(TO BE REMOVED)
PROP. GUARD RAIL (TYP.)
NORTH PRONG CREEK
℄ HIDDEN MEADOW CT.
BEGIN CONSTRUCTION
℄ HIDDEN MEADOW CT.
STA. 11+30.00
HIDDEN MEADOW CT CURVE - 1
HIDDEN MEADOW
HIDDEN MEADOW CT.
N 58° 23′ 18.40″ E
10+00
EXISTING 72" RCP
(TO REMAIN)
MATCH LINE STA 164+00

RETAINING WALLS					
NO.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 1	97+8.28	54.50′ RT	98+78.52	54.67′ RT	170.24′
WALL 2	156+56.90	57.67′ LT	157+77.64	125.65 RT	403.87′
WALL 3	160+12.28	57′ LT	163+1.40	57′ LT	285.12′



Texas Department of Transportation

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DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

FM 1387
DESIGN SCHEMATIC

ELLIS COUNTY, TEXAS

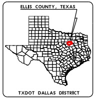
FROM NORTH MIDLOTHIAN PARKWAY TO FM 664
CSJ: 1394-02-027
LENGTH: 5.2 MILES

DATED: JULY 2022

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1387	40 MPH	PRINCIPAL ARTERIAL
INTERSECTING STREETS	30 MPH	LOCAL

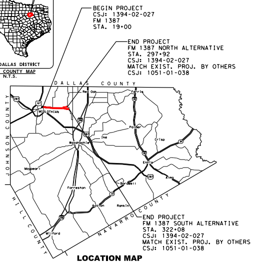
INDEX OF SHEETS

ROLL 1 OF 10: PLAN & PROFILE VIEW STA. 19+00 TO STA. 95+00
ROLL 2 OF 10: PLAN & PROFILE VIEW STA. 95+00 TO STA. 164+00
ROLL 3 OF 10: PLAN & PROFILE VIEW STA. 164+00 TO STA. 228+00
ROLL 4 OF 10: PLAN & PROFILE VIEW STA. 228+00 TO STA. 297+92 (NORTH ALTERNATIVE)
ROLL 5 OF 10: PLAN & PROFILE VIEW STA. 229+00 TO STA. 286+00 (SOUTH ALTERNATIVE)
ROLL 6 OF 10: PLAN & PROFILE VIEW STA. 286+00 TO STA. 322+08 (SOUTH ALTERNATIVE)
■ROLL 7 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 8 OF 10: SUPPLEMENTAL SIDE STREET PROFILES
■ROLL 9 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (NORTH ALTERNATIVE)
■ROLL 10 OF 10: SUPPLEMENTAL SIDE STREET PROFILES (SOUTH ALTERNATIVE)
■NOT INCLUDED


ELLIS COUNTY, TEXAS
TXDOT DALLAS DISTRICT

TEXAS COUNTY MAP
N.T.S.

ROLL 2 OF 10


BEGIN PROJECT
CSJ: 1394-02-027
FM 1387
STA. 19+00
END PROJECT
FM 1387 NORTH ALTERNATIVE
STA. 297+92
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
Waxahachie
Ike
Crisp
Ennis
Maypearl
Bardwell
Alma
Forreston
Avalon
Rankin
Milford
END PROJECT
FM 1387 SOUTH ALTERNATIVE
STA. 322+08
CSJ: 1394-02-027
MATCH EXIST. PROJ. BY OTHERS
CSJ: 1051-01-038

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	🟪	ADJACENT PROJECT - BY OTHERS
— — —	CITY/COUNTY BOUNDARY LINE	🟦	PROPOSED ROW ACQUISITION
— — —	EXISTING DRAINAGE	←	PROPOSED LANES
—·→·—	PROPOSED DITCH BOTTOM	(#)	PARCEL IDENTIFYING NUMBER
🟩	PROPOSED DRAINAGE STRUCTURE	🟥	EXISTING PAVEMENT REMOVAL
———	PROPOSED RETAINING WALL	▨	DISPLACEMENT
◄∿	DIRECTION OF FLOW	▬	CURB WALL
▨	EXISTING 100-YEAR FLOODPLAIN	▬	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	07/29/2022

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3010 GAYLORD PARKWAY
SUITE 190
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713