Texas Department of Transportation

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

FM 1378
100% DESIGN SCHEMATIC

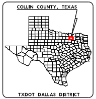
COLLIN COUNTY, TEXAS
FROM FM 3286 TO WEST LUCAS RD
CSJ: 1392-01-048
LENGTH (W LUCAS RD): 0.999 MILES
LENGTH (COUNTRY CLUB DR): 0.023 MILES
TERRAIN: LEVEL

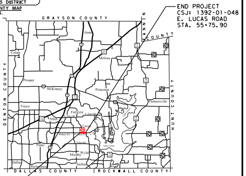
DATED: AUGUST 2024

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1378	45 MPH	UNCURBED ARTERIAL URBAN STREET
FM 1378 N/COUNTRY CLUB	40 MPH	LOCAL
STINSON RD.	30 MPH	LOCAL
EDGEWOOD DR.	30 MPH	LOCAL
HOLLY LN.	15 MPH	LOCAL
EDGEFIELD LN.	25 MPH	LOCAL

INDEX OF SHEETS

SHEET 1: FM 1378 PLAN & PROFILE
SHEET 2: INTERSECTION PLAN & PROFILE


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


GRAYSON COUNTY
FANNIN COUNTY
HUNT COUNTY
DENTON COUNTY
DALLAS COUNTY
ROCKWALL COUNTY
Anna
Celina
Melissa
Prosper
McKinney
Princeton
Frisco
Farmersville
Fairview
Allen
Lucas
Plano
Wylie
Murphy
Sachse
Dallas
Richardson
END PROJECT
CSJ: 1392-01-048
E. LUCAS ROAD
STA. 55+75.90

BEGIN PROJECT
CSJ: 1392-01-048
W. LUCAS ROAD
STA. 3+00.00

LOCATION MAP

N.T.S.

LEGEND

—·—·—	EXISTING RIGHT OF WAY LINE
🟥 —·—·—	PROPOSED RIGHT OF WAY LINE
—·—·—	CENTERLINE
———	PARCEL LINE
- - - -	EXISTING EASEMENT
- - - -	EXISTING DRAINAGE
———	PROPOSED DITCH BOTTOM
🟨	PROPOSED DRAINAGE STRUCTURE
- - - -	PROPOSED CULVERT
◄∿	DIRECTION OF FLOW
▭	C402 RAIL
—•—•—	METAL BEAM GUARD FENCE (MBGF)
———	PROPOSED RETAINING WALL
▨	EXISTING PAVEMENT REMOVAL
🟧	PROPOSED CONCRETE PAVEMENT
🟥	PROPOSED ASPHALT PAVEMENT
🟨	PROPOSED SHARED USE PATH
🟪	PROPOSED DRIVEWAY
▭	ADJACENT PROJECT - BY OTHERS
▨	POTENTIAL IMPACT
▨	DISPLACEMENT
▨	MILL AND OVERLAY
▨	PROPOSED CONC RIPRAP
←	PROPOSED LANES
(#)	PARCEL IDENTIFICATION NUMBER

SCALE: HORIZ: 1"=100', VERT: 1"=10'

STEPHEN A. JOHNSON
103591
8/20/2024

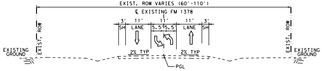
GARVER
3000 INTERNET BOULEVARD
SUITE 400
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713

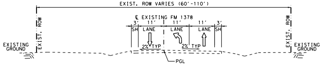
ROLL 1 OF 2

EXISTING TYPICAL SECTION

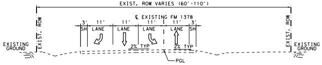
(N.T.S.)


EXIST. ROW VARIES (60'-110')
℄ EXISTING FM 1378
3'
11'
11'
11'
3'
SH
LANE
5.5'
5.5'
LANE
SH
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

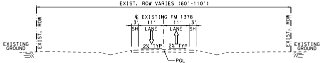
EXISTING FM 1378 TYP
STA. 3+00.00 TO STA. 17+17.50


EXIST. ROW VARIES (60'-110')
℄ EXISTING FM 1378
3'
11'
11'
11'
3'
SH
LANE
LANE
LANE
SH
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

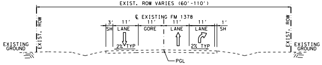
EXISTING FM 1378 TYP
STA. 17+17.50 TO STA. 19+45.95


EXIST. ROW VARIES (60'-110')
℄ EXISTING FM 1378
3'
11'
11'
11'
11'
3'
SH
LANE
LANE
LANE
LANE
SH
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

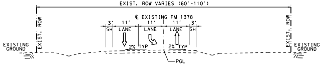
EXISTING FM 1378 TYP
STA. 19+45.95 TO STA. 24+07.99


EXIST. ROW VARIES (60'-110')
℄ EXISTING FM 1378
3'
11'
11'
3'
SH
LANE
LANE
SH
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

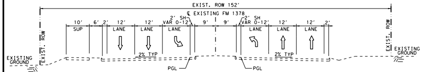
EXISTING FM 1378 TYP
STA. 24+07.99 TO STA. 41+63.89
STA. 49+10.75 TO STA. 55+75.90


EXIST. ROW VARIES (60'-110')
℄ EXISTING FM 1378
3'
11'
11'
11'
11'
1'
SH
LANE
GORE
LANE
LANE
SH
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

EXISTING FM 1378 TYP
STA. 41+63.89 TO STA. 45+33.05


EXIST. ROW VARIES (60'-110')
℄ EXISTING FM 1378
3'
11'
11'
11'
3'
SH
LANE
LANE
LANE
SH
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

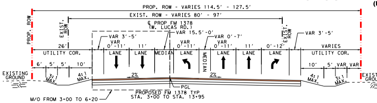
EXISTING FM 1378 TYP
STA. 45+33.05 TO STA. 49+10.75


EXIST. ROW 152'
℄ EXISTING FM 1378
10'
6'
2'
12'
12'
2' SH
VAR 0-12'
9'
9'
2' SH
VAR 0-12'
12'
12'
2'
SUP
LANE
LANE
LANE
LANE
LANE
LANE
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL
PGL

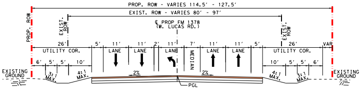
PROPOSED BY OTHERS FM 1378 TYP
STA. 55+75.90

PROPOSED TYPICA

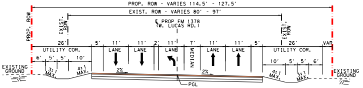
(N.T.S.)


PROP. ROW - VARIES 114.5' - 127.5'
EXIST. ROW - VARIES 80' - 97'
℄ PROP FM 1378 (W. LUCAS RD.)
VAR 3'-5'
VAR 15.5'-0'
VAR 0'-7'
VAR 3'-5'
26'
VAR 0'-11'
11'
VAR 0'-11'
VAR 0'-11'
11'
0'-12'
VARIES
UTILITY COR.
LANE
LANE
MEDIAN
LANE
MEDIAN
LANE
LANE
LANE
UTILITY COR.
6'
5'
5'
10'
10'
5'
VAR
VAR
3:1 MAX.
4:1 MAX.
4:1 MAX.
3:1 MAX.
2%
2%
PROP. ROW
EXIST. ROW
EXISTING GROUND
PGL
M/O FROM 3+00 TO 6+20

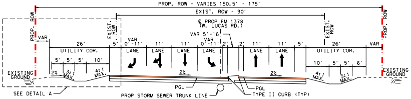
PROPOSED FM 1378 TYP
STA. 3+00 TO STA. 13+95


PROP. ROW - VARIES 114.5' - 127.5'
EXIST. ROW - VARIES 80' - 97'
℄ PROP FM 1378 (W. LUCAS RD.)
26'
5'
11'
11'
2'
11'
7'
11'
11'
5'
26'
VAR
UTILITY COR.
LANE
LANE
LANE
MEDIAN
LANE
LANE
UTILITY COR.
6'
5'
5'
10'
10'
5'
5'
6'
3:1 MAX.
4:1 MAX.
4:1 MAX.
3:1 MAX.
2%
2%
PROP. ROW
EXIST. ROW
EXISTING GROUND
PGL

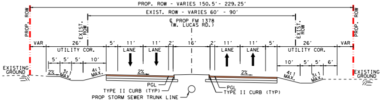
PROPOSED FM 1378 TYP
STA. 13+95 TO STA. 16+25


PROP. ROW - VARIES 114.5' - 127.5'
EXIST. ROW - VARIES 80' - 97'
℄ PROP FM 1378 (W. LUCAS RD.)
26'
5'
11'
11'
2'
11'
7'
11'
11'
5'
26'
VAR
UTILITY COR.
LANE
LANE
LANE
MEDIAN
LANE
LANE
UTILITY COR.
6'
5'
5'
10'
10'
5'
5'
6'
3:1 MAX.
4:1 MAX.
4:1 MAX.
3:1 MAX.
2%
2%
PROP. ROW
EXIST. ROW
EXISTING GROUND
PGL

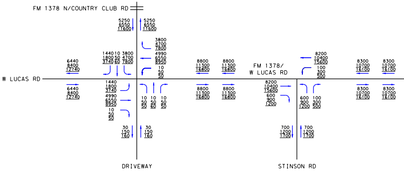
PROPOSED FM 1378 TYP
STA. 16+25 TO STA. 19+50


PROP. ROW - VARIES 150.5' - 175'
EXIST. ROW - 90'
℄ PROP FM 1378 (W. LUCAS RD.)
VAR 5'-16'
VAR
26'
5'
VAR 0'-11'
11'
11'
VAR 0'-11'
2'
2'
11'
11'
5'
26'
VAR
UTILITY COR.
LANE
LANE
LANE
LANE
LANE
LANE
UTILITY COR.
5'
5'
5'
10'
10'
5'
5'
6'
2%
3:1 MAX.
4:1 MAX.
4:1 MAX.
3:1 MAX.
2%
2%
PROP. ROW
EXIST. ROW
EXISTING GROUND
SEE DETAIL A
PGL
PROP STORM SEWER TRUNK LINE
PGL
TYPE II CURB (TYP)

PROPOSED FM 1378 TYP
STA. 19+50 TO STA. 24+00


PROP. ROW - VARIES 150.5'- 229.25'
EXIST. ROW - VARIES 60' - 90'
℄ PROP FM 1378 (W. LUCAS RD.)
VAR
26'
5'
11'
11'
2'
16'
2'
11'
11'
5'
26'
VAR
UTILITY COR.
LANE
LANE
LANE
LANE
UTILITY COR.
5'
5'
5'
10'
10'
5'
5'
6'
2%
3:1 MAX.
4:1 MAX.
4:1 MAX.
3:1 MAX.
2%
2%
PROP. ROW
EXIST. ROW
EXISTING GROUND
PGL
TYPE II CURB (TYP)
PROP STORM SEWER TRUNK LINE
PGL
TYPE II CURB (TYP)

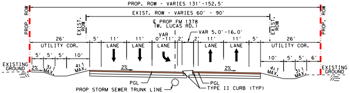
PROPOSED FM 1378 TYP
STA. 24+00 TO STA. 26+00
STA. 31+10 TO STA. 41+00


FM 1378 N/COUNTRY CLUB RD
W LUCAS RD
FM 1378/ W LUCAS RD
DRIVEWAY
STINSON RD
5250 6550 11600
5250 6550 11600
3800 4700 7800
1440 1800 3740
10 50 60
3800 4700 7800
4990 6550 8950
10 50 50
6440 8400 12740
6440 8400 12740
1440 1800 3740
4990 6550 8950
10 50 50
10 50 50
10 50 60
10 50 50
30 150 160
30 150 160
8800 11300 16800
8800 11300 16800
8800 11300 16800
8800 11300 16800
8200 10400 15600
100 300 500
8200 10400 15600
600 900 1200
600 900 1200
100 300 500
700 1200 1700
700 1200 1700
8300 10700 16100
8300 10700 16100
8300 10700 16100
8300 10700 16100

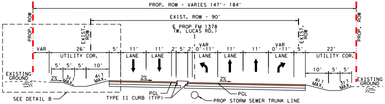
LEGEND
EXISTING YEAR (2020)
OPENING YEAR (2025)
DESIGN YEAR (2045)

TRAFFIC LINE D

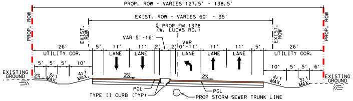
L SECTION


PROP. ROW - VARIES 131'-152.5'
EXIST. ROW - VARIES 60' - 90'
PROP. ROW
EXIST. ROW
℄ PROP FM 1378 (W. LUCAS RD.)
VAR 0'-11'
VAR 5.0'-16.0'
26'
5'
11'
2'
UTILITY COR.
LANE
5' 5' 5' 10'
10' 5' 5' 6'
EXISTING GROUND
2%
3:1 MAX.
4:1 MAX.
PGL
PROP STORM SEWER TRUNK LINE
TYPE II CURB (TYP)

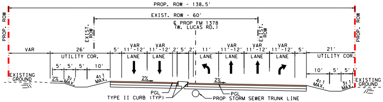
PROPOSED FM 1378 TYP
STA. 26+00 TO STA. 29+88
STA. 45+00 TO STA. 50+00


PROP. ROW - VARIES 147'- 184'
EXIST. ROW - 90'
PROP. ROW
EXIST. ROW
℄ PROP FM 1378 (W. LUCAS RD.)
VAR
26'
5'
11'
2' 5' 2'
VAR 0'-11'
22'
UTILITY COR.
LANE
5' 5' 5' 10'
10' 5' 5'
EXISTING GROUND
2%
3:1 MAX.
4:1 MAX.
SEE DETAIL B
PGL
TYPE II CURB (TYP)
PROP STORM SEWER TRUNK LINE

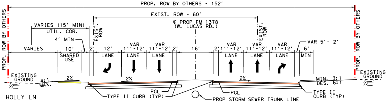
PROPOSED FM 1378 TYP
STA. 41+00 TO STA. 45+00


PROP. ROW - VARIES 127.5' - 138.5'
EXIST. ROW - VARIES 60' - 95'
PROP. ROW
EXIST. ROW
℄ PROP FM 1378 (W. LUCAS RD.)
VAR 5'-16'
VAR 0'-11'
26'
5'
11'
2'
UTILITY COR.
LANE
5' 5' 5' 10'
10' 5' 5' 6'
EXISTING GROUND
2%
3:1 MAX.
4:1 MAX.
PGL
TYPE II CURB (TYP)
PROP STORM SEWER TRUNK LINE

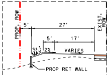
PROPOSED FM 1378 TYP
STA. 29+88 TO STA. 31+10
STA. 50+00 TO STA. 53+31.42


PROP. ROW - 138.5'
EXIST. ROW - 60'
PROP. ROW
EXIST. ROW
℄ PROP FM 1378 (W. LUCAS RD.)
VAR
26'
5'
VAR 11'-12'
2' 5' 2'
11'
21'
UTILITY COR.
LANE
5' 5' 5' 10'
10' 5' 5'
EXISTING GROUND
2%
3:1 MAX.
4:1 MAX.
PGL
TYPE II CURB (TYP)
PROP STORM SEWER TRUNK LINE

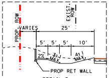
PROPOSED FM 1378 TYP
STA. 53+31.42 TO 55+00


PROP. ROW BY OTHERS - 152'
EXIST. ROW - 60'
PROP. ROW BY OTHERS
EXIST. ROW
℄ PROP FM 1378 (W. LUCAS RD.)
VARIES (15' MIN)
UTIL. COR.
4' MIN
VARIES
10'
2'
12'
VAR 11'-12'
16'
VAR 5'- 2'
6'
SHARED USE
LANE
MIN
EXISTING GROUND
4:1 MAX.
2%
MIN. 3:1
DES. 6:1
PGL
TYPE II CURB (TYP)
PROP STORM SEWER TRUNK LINE

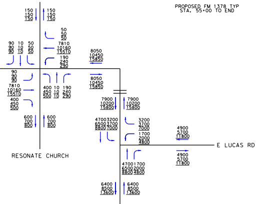
PROPOSED FM 1378 TYP
STA. 55+00 TO END


PROP. ROW
EXIST. ROW
5'
27'
5'
17'
3:1 MAX
2%
VARIES
PROP RET WALL

DETAIL A
STA 20+55 TO 21+60

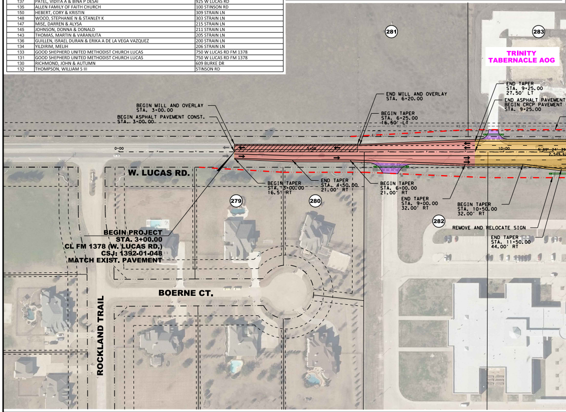

PROP. ROW
EXIST. ROW
VARIES
25'
5' 5' 5' 10'
2%
3:1 MAX.
4:1 MAX.
PROP RET WALL

DETAIL B
STA 41+10 TO 44+50

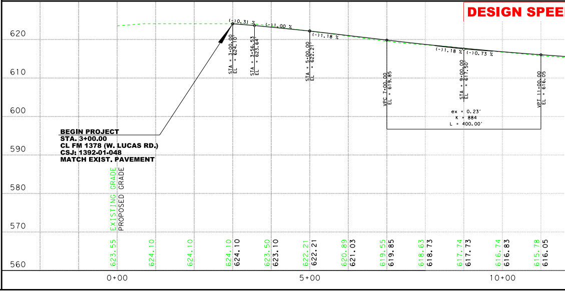

HOLLY LN
150 150 150
150 150 150
50 50 50
90 10 50
90 10 50
90 10 50
7810 10160 15510
190 240 290
8050 10450 15850
90 90 90
7810 10160 15510
400 450 500
400 10 190
450 10 240
500 10 290
8050 10450 15850
600 700 800
600 700 800
7900 10200 15800
7900 10200 15800
4700 6500 8800
3200 3700 7000
3200 3700 7000
1700 2000 4800
4900 5700 11800
E LUCAS RD
4700 6500 8800
1700 2000 4800
4900 5700 11800
6400 8500 13600
6400 8500 13600
RESONATE CHURCH
FM 1378

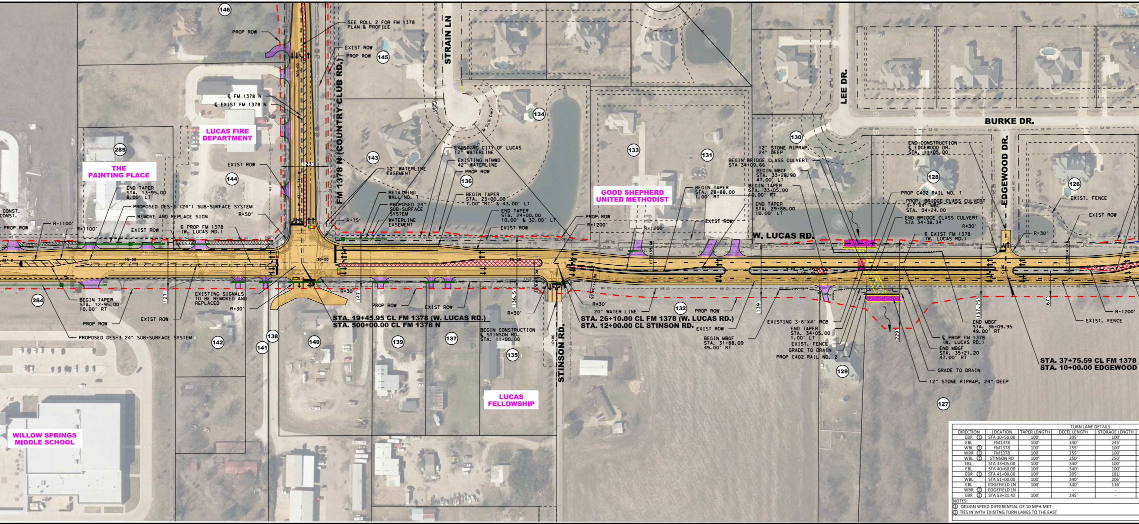
IAGRAM [N.T.S.]

PROPERTY OWNERS		
Parcel Number	Owner	PROPERTY ADDRESS
279	ADDIS FRANK DONALD & JOANNE LOANA	1206 BOERNE CT
280	LEZNICKI PATRICK A & ERIN C LEZNICKI	1200 BOERNE CT
281	KAPP JANET ELAINE	W LUCAS RD
282	LOVEJOY ISD	1101 W LUCAS RD
283	TRINITY TABERNACLE ASSEMBLY OF GOD	1130 W LUCAS RD
284	LOVEJOY ISD	1101 W LUCAS RD
285	SWEELY, ROBERT E	1030 W LUCAS RD
149	BICKFORD, JOHN SCOTT & BICKFORD D'ANN DUHE	1 ESTATES RD
146	BLACKSTOCK, CHARLES E	215 COUNTRY CLUB RD
144	CITY OF LUCAS	151 COUNTRY CLUB RD
142	SPURGIN, TRUMAN - ESTATE OF	1045 W LUCAS RD
141	SPURGIN, ALAN R & PATRICIA K	1015 W LUCAS RD
138	ZALE, CRAIG & TINA L	1005 W LUCAS RD
140	MAHMOUD PROPERTIES LLC	995 W LUCAS RD
139	HB ENTERPRISES LLC	945 W LUCAS RD
137	PATEL, VIDITA A & BINA P DESAI	925 W LUCAS RD
135	ALLEN FAMILY OF FAITH CHURCH	100 STINSON RD
150	HEBERT, CORY & KRISTIN	309 STRAIN LN
148	WOOD, STEPHANIE N & STANLEY K	303 STRAIN LN
147	MISE, DARREN & ALYSA	215 STRAIN LN
145	JOHNSON, DONNA & DONALD	211 STRAIN LN
143	THOMAS, MARTIN & VARANJUTA	205 STRAIN LN
136	GUILLEN, ISRAEL DURAN & ERIKA A DE LA VEGA VAZQUEZ	200 STRAIN LN
134	YILDIRIM, MELIH	206 STRAIN LN
133	GOOD SHEPHERD UNITED METHODIST CHURCH LUCAS	750 W LUCAS RD FM 1378
131	GOOD SHEPHERD UNITED METHODIST CHURCH LUCAS	750 W LUCAS RD FM 1378
130	RICHMOND, JOHN & AUTUMN	609 BURKE DR
132	THOMPSON, WILLIAM S III	STINSON RD
129	KOERNER, CHRIS & JESSICA	685 W LUCAS RD
127	JAMES AND LEE IRWIN FAMILY LIMITED PARTNERSHIP	W LUCAS RD
128	ROMANIELLO, SABRINA & OWEN	603 BURKE DR
126	DAY, KEITH & JANA R	511 BURKE DR
125	WIESE FAMILY ESTATE & TRUST	503 BURKE DR
124	LUCAS CHRISTIAN ACADEMY INC	505 W LUCAS RD
123	OROZCO, LUZ CECILIA CORONA	155 HOLLY LN
121	ESFANDIARI, ABBAS & FARZANEH	150 HOLLY LN
122	LUCAS CHRISTIAN CHURCH DBA RESONATE LIFE CHURCH	415 W LUCAS RD
120	ESFANDIARI, ABBAS & FARZANEH	390 W LUCAS RD
119	CITY OF LUCAS	325 W LUCAS RD
117	THORNBERG SEAN & MOLLY	1 EDGEFIELD LN
118	KHAN, AMAN ULLAH & SEHRISH FAROOQ	315 W LUCAS RD
116	BOYETTE, DONNA	265 W LUCAS RD
114	MARTIN, HOWARD & NANCY REVOCABLE TRUST	2 EDGEFIELD LN
115	LAFON, JOANN BAILEY & DOYLE BAILEY	55 W LUCAS RD
111	ESFANDIARI, ABBAS & FARZANEH	FM 1378
112	COLLIN COUNTY TEXAS, ATTN: JEFF DURHAM	55 W LUCAS /FM 1378 RD
113	CRISCUOLO, FRANCESCO & YVONNE CHRISTINA	22 CEDAR BEND CIR


281
283
TRINITY TABERNACLE AOG
END MILL AND OVERLAY STA. 6+20.00
BEGIN MILL AND OVERLAY STA. 3+00.00
BEGIN ASPHALT PAVEMENT CONST. STA. 3+00.00
BEGIN TAPER STA. 6+25.00 16.50' LT
END TAPER STA. 9+25.00 27.50' LT
END ASPHALT PAVEMENT BEGIN CRCP PAVEMENT STA. 9+25.00
0+00
5+00
10+00
N 89° 24' 39
2,549.62
W2 (C)
W. LUCAS RD.
BEGIN TAPER STA. 3+00.00 16.51' RT
END TAPER STA. 4+50.00 21.00' RT
BEGIN TAPER STA. 6+00.00 21.00' RT
END TAPER STA. 9+00.00 32.00' RT
BEGIN TAPER STA. 10+50.00 32.00' RT
279
280
282
REMOVE AND RELOCATE SIGN
END TAPER STA. 11+50.00 44.00' RT
BEGIN PROJECT
STA. 3+00.00
CL FM 1378 (W. LUCAS RD.)
CSJ: 1392-01-048
MATCH EXIST. PAVEMENT
BOERNE CT.
ROCKLAND TRAIL

DESIGN SPEE



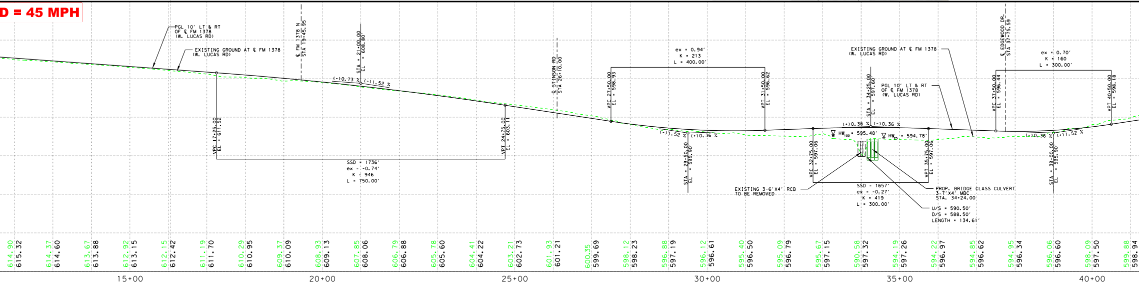

146
PROP ROW
SEE ROLL 2 FOR FM 1378 PLAN & PROFILE
EXIST ROW
PROP ROW
145
℄ FM 1378 N
℄ EXIST FM 1378 N
LUCAS FIRE DEPARTMENT
285
THE PAINTING PLACE
144
EXIST ROW
123'
FM 1378 N (COUNTRY CLUB RD.)
STRAIN LN
143
12' WATERLINE EASEMENT
EXISTING CITY OF LUCAS 12" WATERLINE
EXISTING NTMWD 42" WATERLINE
PROP ROW
136
134
133
131
130
LEE DR.
BURKE DR.
END TAPER STA. 13+95.00 8.00' LT
PROPOSED DES-3 (24") SUB-SURFACE SYSTEM
REMOVE AND REPLACE SIGN
R=50'
R=1100'
R=1100'
EXIST ROW
℄ PROP FM 1378 (W. LUCAS RD.)
CONST.
CONST.
PROP ROW
R=75'
RETAINING WALL NO. 1
PROPOSED 24" SUB-SURFACE SYSTEM
WATERLINE EASEMENT
BEGIN TAPER STA. 23+00.00 1.00' RT & 43.00' LT
END TAPER STA. 24+00.00 10.00' & 32.00' LT
EXIST ROW
PROP ROW
R=1200'
R=1200'
GOOD SHEPHERD UNITED METHODIST
BEGIN TAPER STA. 28+88.00 1.00' RT
EXIST ROW
W. LUCAS RD.
12" STONE RIPRAP, 24" DEEP
BEGIN BRIDGE CLASS CULVERT STA 34+09.66
BEGIN MBGF STA. 33+28.90 47.00' LT
BEGIN TAPER STA. 33+05.00 10.00' RT
END TAPER STA. 29+88.00 10.00' LT
PROP C402 RAIL NO. 1
PROP. BRIDGE CLASS CULVERT 3-7'X4' MBC STA. 34+24.00
END BRIDGE CLASS CULVERT STA 34+38.34
END CONSTRUCTION ℄ EDGEWOOD DR. STA. 11+05.00
128
EDGEWOOD DR.
126
EXIST. FENCE
EXIST ROW
R=30'
R=30'
℄ EXIST FM 1378 (W. LUCAS RD.)
20+00
127'
147'
136.5'
139'
137.75'
229'
67'
10+00
284
BEGIN TAPER STA. 12+95.00 10.00' RT
PROP ROW
PROPOSED DES-3 24" SUB-SURFACE SYSTEM
EXISTING SIGNALS TO BE REMOVED AND REPLACED
R=30'
EXIST ROW
R=30'
PROP ROW
EXIST ROW
STA. 19+45.95 CL FM 1378 (W. LUCAS RD.)
STA. 500+00.00 CL FM 1378 N
142
138
141
140
139
137
BEGIN CONSTRUCTION ℄ STINSON RD. STA. 11+00.00
135
R=30'
R=30'
STINSON RD.
LUCAS FELLOWSHIP
20" WATER LINE
132
PROP ROW
STA. 26+10.00 CL FM 1378 (W. LUCAS RD.)
STA. 12+00.00 CL STINSON RD.
EXIST ROW
BEGIN MBGF STA. 31+88.09 49.00' RT
EXISTING 3-6'X4' RCB
END TAPER STA. 34+05.00 1.00' LT
EXIST. FENCE
GRADE TO DRAIN
PROP C402 RAIL NO. 2
129
END MBGF STA. 36+09.95 49.00' RT
℄ PROP FM 1378 (W. LUCAS RD.)
END MBGF STA. 35+21.20 47.00' RT
GRADE TO DRAIN
12" STONE RIPRAP, 24" DEEP
R=1200'
EXIST. FENCE
STA. 37+75.59 CL FM 1378
STA. 10+00.00 EDGEWOOD
127
WILLOW SPRINGS MIDDLE SCHOOL

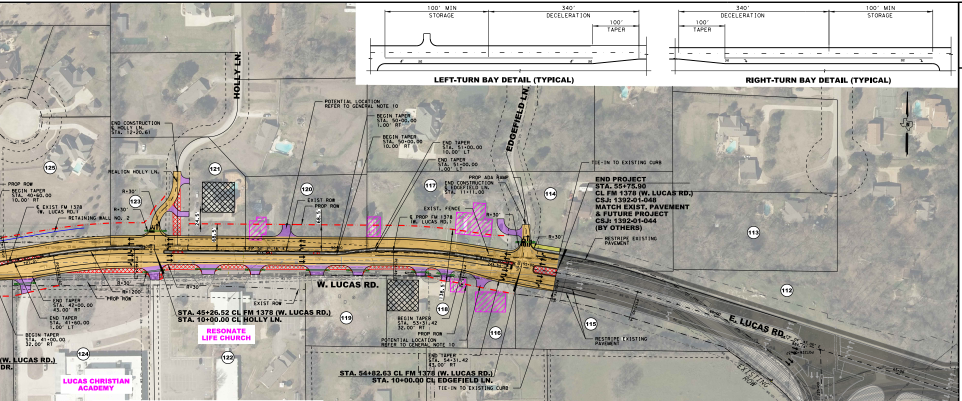
TURN LANE DETAILS				
DIRECTION	LOCATION	TAPER LENGTH	DECEL LENGTH	STORAGE LENGTH
EBR ①	STA 10+50.00	100'	205'	100'
EBL	FM1378	100'	340'	245'
WBL ①	FM1378	100'	255'	100'
WBR ①	FM1378	100'	255'	100'
WBL ①	STINSON RD	100'	250'	250'
EBL	STA 33+05.00	100'	340'	100'
EBL	STA 40+60.00	100'	340'	100'
EBR ①	STA 41+00.00	100'	205'	181'
WBL	STA 51+00.00	100'	340'	206'
EBL	EDGEFIELD LN	100'	340'	116'
WBR ②	EDGEFIELD LN	-	-	-
EBR ②	STA 53+31.42	100'	245'	-

NOTES:

① DESIGN SPEED DIFFERENTIAL OF 10 MPH MET

② TIES IN WITH EXISITNG TURN LANES TO THE EAST


D = 45 MPH
PGL 10' LT & RT OF ℄ FM 1378 (W. LUCAS RD)
EXISTING GROUND AT ℄ FM 1378 (W. LUCAS RD)
℄ FM 1378 N STA 19+45.95
STA = 21+00.00 EL = 608.80'
(-)0.73 %
(-)1.52 %
VPC 17+25.00 EL = 611.52
VPT 24+75.00 EL = 603.11
SSD = 1736'
ex = -0.74'
K = 946
L = 750.00'
℄ STINSON RD STA 26+10.00
ex = 0.94'
K = 213
L = 400.00'
VPC 27+50.00 EL = 598.93
VPT 31+50.00 EL = 596.62
(-)1.52 %
(+)0.36 %
STA = 29+50.00 EL = 595.90'
EXISTING GROUND AT ℄ FM 1378 (W. LUCAS RD)
STA = 34+25.00 EL = 597.60'
PGL 10' LT & RT OF ℄ FM 1378 (W. LUCAS RD)
(+)0.36 %
(-)0.36 %
HW_{100} = 595.48'
HW_{25} = 594.78'
VPC 32+75.00 EL = 597.06
VPT 35+75.00 EL = 597.06
SSD = 1657'
ex = -0.27'
K = 419
L = 300.00'
EXISTING 3-6'X4' RCB TO BE REMOVED
PROP. BRIDGE CLASS CULVERT 3-7'X4' MBC STA. 34+24.00
U/S = 590.50'
D/S = 588.50'
LENGTH = 134.61'
℄ EDGEWOOD DR. STA 37+75.59
ex = 0.70'
K = 160
L = 300.00'
VPC 37+50.00 EL = 596.44
VPT 40+50.00 EL = 598.18
(-)0.36 %
(+)1.52 %
STA = 39+00.00 EL = 595.90'
614.90 615.32
614.37 614.60
613.67 613.88
612.92 613.15
612.15 612.42
611.19 611.70
610.29 610.95
609.37 610.09
608.93 609.13
607.85 608.06
606.79 606.88
605.78 605.60
604.41 604.22
603.21 602.73
601.93 601.21
600.35 599.69
598.12 598.23
596.88 597.19
596.12 596.61
595.40 596.50
595.09 596.79
595.67 597.15
590.58 597.32
594.19 597.26
594.22 596.97
594.85 596.62
594.95 596.34
596.06 596.60
598.09 597.50
599.88 598.94
15+00
20+00
25+00
30+00
35+00
40+00


100' MIN STORAGE
340' DECELERATION
100' TAPER
LEFT-TURN BAY DETAIL (TYPICAL)
340' DECELERATION
100' TAPER
100' MIN STORAGE
RIGHT-TURN BAY DETAIL (TYPICAL)
HOLLY LN.
EDGEFIELD LN.
POTENTIAL LOCATION
REFER TO GENERAL NOTE 10
BEGIN TAPER
STA. 50+00.00
1.00' RT
BEGIN TAPER
STA. 50+00.00
10.00' RT
END TAPER
STA. 51+00.00
10.00' LT
END TAPER
STA. 51+00.00
1.00' LT
END CONSTRUCTION
℄ HOLLY LN.
STA. 12+20.61
REALIGN HOLLY LN.
PROP ADA RAMP
END CONSTRUCTION
℄ EDGEFIELD LN.
STA. 11+11.00
TIE-IN TO EXISTING CURB
END PROJECT
STA. 55+75.90
CL FM 1378 (W. LUCAS RD.)
CSJ: 1392-01-048
MATCH EXIST. PAVEMENT
& FUTURE PROJECT
CSJ: 1392-01-044
(BY OTHERS)
RESTRIPE EXISTING PAVEMENT
PROP ROW
BEGIN TAPER
STA. 40+60.00
10.00' RT
℄ EXIST FM 1378
(W. LUCAS RD.)
RETAINING WALL NO. 2
R=30'
EXIST ROW
PROP ROW
68.5'
24.5'
EXIST. FENCE
℄ PROP FM 1378
(W. LUCAS RD.)
R=1200'
END TAPER
STA. 42+00.00
43.00' RT
END TAPER
STA. 41+60.00
1.00' LT
BEGIN TAPER
STA. 41+00.00
32.00' RT
W. LUCAS RD.
STA. 45+26.52 CL FM 1378 (W. LUCAS RD.)
STA. 10+00.00 CL HOLLY LN.
RESONATE LIFE CHURCH
LUCAS CHRISTIAN ACADEMY
(W. LUCAS RD.)
DR.
138.5'
BEGIN TAPER
STA. 53+31.42
32.00' RT
PROP ROW
POTENTIAL LOCATION
REFER TO GENERAL NOTE 10
END TAPER
STA. 54+31.42
43.00' RT
STA. 54+82.63 CL FM 1378 (W. LUCAS RD.)
STA. 10+00.00 CL EDGEFIELD LN.
TIE-IN TO EXISTING CURB
E. LUCAS RD.
EXISTING ROW
EXISTING SIGNALIZED INTERSECTION
PROPOSED ROW
FM 1378
℄ FM 1378
PROPOSED ROW
EXIST. FENCE
EXISTING ROW
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125

	TOTAL LENGTH	MEDIAN NOSE RADIUS
	305'	-
	585'	2.5'
	355'	2.5'
	355'	-
	350'	2.5'
	440'	2.5'
	440'	2.5'
	386'	-
	546'	2.5'
	456'	2.5'
	280'	-
	245'	-

GUARDRAIL TABLE

No.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	GUARDRAIL LENGTH
1	32+34.51	47.00' RT	32+59.51	47.00' RT	25.00'
2	33+61.57	47.00' RT	35+11.57	47.00' RT	150.00'
3	33+38.53	47.00' LT	35+63.53	47.00' LT	225.00'

RETAINING WALLS (VAR. 2'-4')

No.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	WALL LENGTH
WALL 1	20+55.00	75.00' LT	21+60.00	75.00' LT	105'
WALL 2	41+10.00	62.00' LT	44+50.00	62.00' LT	340'

C402 RAIL TABLE

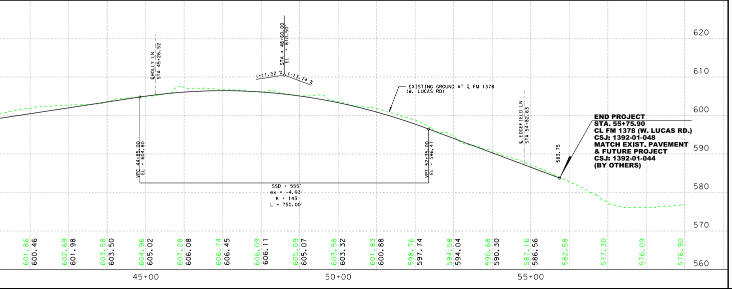
No.	BEGIN STA	BEGIN OFFSET	END STA	END OFFSET	RAIL LENGTH
1	33+58.18	60.00' LT	34+33.87	60.00' LT	75.69'
2	34+11.87	60.00' RT	34+90.11	60.00' RT	78.24'

SUPERELEVATION TRANSITION TABLE

BEGIN STA	SUPERELEVATION e%	END STA	SUPERELEVATION e%
16+25.00	-2.00%	18+50.00	2.00%
18+50.00	2.00%	52+60.00	2.00%
52+60.00	2.00%	54+85.00	-2.00%

CURVE DATA

CURVE NO.	P.I. STA.	DELTA	T	L	R	P.R.C. STA.	P.C. STA.	P.T. STA.	P.R.C. STA.
W. LUCAS CURVE - 1	26+27.24	7°24'07.20" (RT)	77.62'	155.03'	1200.00'		25+49.62		27+04.65
W. LUCAS CURVE - 2	27+82.27	7°24'07.20" (LT)	77.62'	155.03'	1200.00'	27+04.65		28+59.68	
W. LUCAS CURVE - 3	40+42.13	9°37'07.09" (LT)	100.96'	201.45'	1200.00'		39+41.16	41+42.61	
W. LUCAS CURVE - 4	43+69.46	10°04'49.20" (RT)	105.83'	211.12'	1200.00'		42+63.62	44+74.75	
W. LUCAS CURVE - 5	52+40.03	8°44'38.45" (RT)	91.75'	183.13'	1200.00'		51+48.28	53+31.42	
W. LUCAS CURVE - 6	56+83.84	8°18'13.33" (RT)	108.89'	217.39'	1500.00'		55+74.95	57+92.34	
HOLLY LN. CURVE - 1	10+85.76	48°15'47.18" (RT)	63.18'	33.60'	75.00'		10+52.16 R1		11+15.34 R1
HOLLY LN. CURVE - 2	11+56.46	46°48'41.46" (LT)	41.12'	77.62'	95.00'	11+15.34 R1		11+92.95 R1	
STINSON RD. CURVE - 1	11+44.52	2°52'58.16" (RT)	31.45'	62.89'	1250.00'		11+13.07 R1	11+75.96 R1	
EDGEFIELD LN. CURVE - 1	11+24.36	29°51'56.48" (LT)	64.01'	125.10'	240.00'		10+60.35 R1	11+85.45 R1	



SCHEMATIC GENERAL NOTES

1. EXISTING ROW FOR FM 1378 IS APPARENT ROW PROVIDED BY TXDOT, NOT PER DEED RESEARCH.
2. PARCEL OWNERSHIP INFORMATION OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT.
3. AERIAL FLIGHT DATE - JUNE 2017. EXISTING TOPOGRAPHICAL INFORMATION AS PROVIDED BY TxDOT, FEB 2018.
4. EXISTING TRAFFIC COUNTS AND TRAFFIC PROJECTIONS WERE OBTAINED FROM TRANSPORTATION PLANNING & PROGRAMMING (TPP) APPROVAL ON 1/10/2022.
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 LUCAS.
7. DESIGN IS SUBJECT TO CHANGE.
8. ALL PROPOSED DRIVEWAY WIDTHS AND PROPOSED RADII TO MATCH EXISTING.
9. ALL PROPOSED DRIVEWAY CONSTRUCTION AREAS OUTSIDE OF THE PROPOSED ROW LIMITS SHALL BE CONSTRUCTED WITH COORDINATION BETWEEN PROPERTY OWNERS, TXDOT AREA OFFICE AND THE CONTRACTOR.
10. FOR PARCELS WITH POTENTIAL DISPLACEMENTS, FUTURE ACCESS REQUIREMENTS AND LOCATIONS WILL BE NEGOTIATED AND DETERMINED AS PART OF THE ROW ACQUISITION PROCESS WITH TXDOT'S ROW TEAM.
11. SMALL ROADWAY SIGNS NOT INCLUDED FOR CLARITY, AND WILL BE PART OF FUTURE PS&E PACKAGE.

Texas Department of Transportation

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

FM 1378
100% DESIGN SCHEMATIC

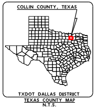
COLLIN COUNTY, TEXAS
FROM FM 3286 TO WEST LUCAS RD
CSJ: 1392-01-048
LENGTH (W LUCAS RD): 0.999 MILES
LENGTH (COUNTRY CLUB DR): 0.023 MILES
TERRAIN: LEVEL

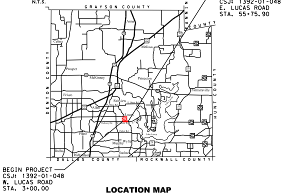
DATED: AUGUST 2024

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1378	45 MPH	UNCURBED ARTERIAL URBAN STREET
FM 1378 N/COUNTRY CLUB	40 MPH	LOCAL
STINSON RD.	30 MPH	LOCAL
EDGEWOOD DR.	30 MPH	LOCAL
HOLLY LN.	15 MPH	LOCAL
EDGEFIELD LN.	25 MPH	LOCAL

INDEX OF SHEETS

SHEET 1:	FM 1378 PLAN & PROFILE
SHEET 2:	INTERSECTION PLAN & PROFILE


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


END PROJECT
CSJ: 1392-01-048
E. LUCAS ROAD
STA. 55+75.90
GRAYSON COUNTY
FANNIN COUNTY
HUNT COUNTY
DENTON COUNTY
DALLAS COUNTY
ROCKWALL COUNTY
Anna
Melissa
Celina
Prosper
McKinney
Princeton
Farmersville
Frisco
Fairview
Allen
Lucas
Plano
Murphy
Wylie
Sachse
Richardson
Dallas
BEGIN PROJECT
CSJ: 1392-01-048
W. LUCAS ROAD
STA. 3+00.00

LOCATION MAP
N.T.S.

LEGEND

—·—··—	EXISTING RIGHT OF WAY LINE	▨	EXISTING PAVEMENT REMOVAL
—·—··—	PROPOSED RIGHT OF WAY LINE	🟧	PROPOSED CONCRETE PAVEMENT
—·—·—	CENTERLINE	🟥	PROPOSED ASPHALT PAVEMENT
——	PARCEL LINE	🟨	PROPOSED SHARED USE PATH
- - - -	EXISTING EASEMENT	🟪	PROPOSED DRIVEWAY
— — —	EXISTING DRAINAGE	▭	ADJACENT PROJECT - BY OTHERS
——	PROPOSED DITCH BOTTOM	▨	POTENTIAL IMPACT
▭	PROPOSED DRAINAGE STRUCTURE	▨	DISPLACEMENT
- - - -	PROPOSED CULVERT	▨	MILL AND OVERLAY
◄∼	DIRECTION OF FLOW	▨	PROPOSED CONC RIPRAP
▭	C402 RAIL	←	PROPOSED LANES
—•—•—	METAL BEAM GUARD FENCE (MBGF)	(#)	PARCEL IDENTIFICATION NUMBER
——	PROPOSED RETAINING WALL		

SCALE: HORIZ: 1"=100', VERT: 1"=10'

GARVER
3000 INTERNET BOULEVARD
SUITE 400
FRISCO, TX 75034

FIRM REGISTRATION NO. 5713

ROLL 1 OF 2

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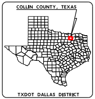
DALLAS DISTRICT
CEASON CLEMENS, P.E., DISTRICT ENGINEER

FM 1378
100% DESIGN SCHEMATIC
COLLIN COUNTY, TEXAS

FROM FM 3286 TO WEST LUCAS RD
CSJ: 1392-01-048
LENGTH (W LUCAS RD): 0.999 MILES
LENGTH (COUNTRY CLUB DR): 0.023 MILES
TERRAIN: LEVEL

DATED: AUGUST 2024

ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1378	45 MPH	UNCURBED ARTERIAL URBAN STREET
FM 1378 N/COUNTRY CLUB	40 MPH	LOCAL
STINSON RD.	30 MPH	LOCAL
EDGEWOOD DR.	30 MPH	LOCAL
HOLLY LN.	15 MPH	LOCAL
EDGEFIELD LN.	25 MPH	LOCAL


COLLIN COUNTY, TEXAS

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

INDEX OF SHEETS

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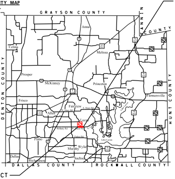

GRAYSON COUNTY
FANNIN COUNTY
DENTON COUNTY
HUNT COUNTY
DALLAS COUNTY
ROCKWALL COUNTY
Anna
Celina
Melissa
Prosper
McKinney
Princeton
Frisco
Farmersville
Fairview
Allen
Lucas
Plano
Wylie
Murphy
Dallas
Richardson
Sachse

END PROJECT
CSJ: 1392-01-048
E. LUCAS ROAD
STA. 55+75.90

BEGIN PROJECT
CSJ: 1392-01-048
W. LUCAS ROAD
STA. 3+00.00

LOCATION MAP
N.T.S.

LEGEND

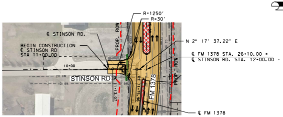
EXISTING RIGHT OF WAY LINE	EXISTING PAVEMENT REMOVAL
PROPOSED RIGHT OF WAY LINE	PROPOSED CONCRETE PAVEMENT
CENTERLINE	PROPOSED ASPHALT PAVEMENT
PARCEL LINE	PROPOSED SHARED USE PATH
EXISTING EASEMENT	PROPOSED DRIVEWAY
EXISTING DRAINAGE	ADJACENT PROJECT - BY OTHERS
PROPOSED DITCH BOTTOM	POTENTIAL IMPACT
PROPOSED DRAINAGE STRUCTURE	DISPLACEMENT
PROPOSED CULVERT	MILL AND OVERLAY
DIRECTION OF FLOW	PROPOSED CONC RIPRAP
C402 RAIL	← PROPOSED LANES
METAL BEAM GUARD FENCE (MBGF)	(#) PARCEL IDENTIFICATION NUMBER
PROPOSED RETAINING WALL	

SCALE: HORIZ: 1"=100', VERT: 1"=10'

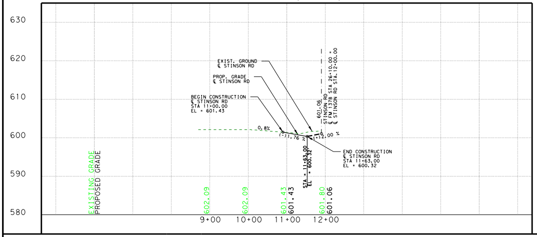
STEPHEN A. JOHNSON
103591
8/20/2024

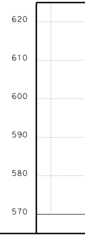
GARVER
3000 INTERNET BOULEVARD
SUITE 400
FRISCO, TX 75034
FIRM REGISTRATION NO. 5713

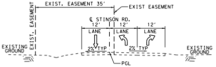
ROLL 2 OF 2


R=1250'
R=30'
℄ STINSON RD.
BEGIN CONSTRUCTION
℄ STINSON RD
STA 11+00.00
PROP. ROW
N 2° 17' 37.22" E
℄ FM 1378 STA. 26+10.00 =
℄ STINSON RD. STA. 12+00.00 =
10+00
STINSON RD
PC 11+13.07
PT 11+75.96
FM 1378
PROP. ROW
℄ FM 1378

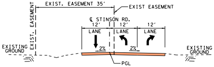
STINSON RD. (30 MPH)





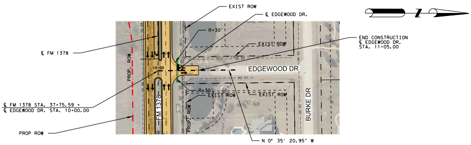

EXIST. EASEMENT 35'
EXIST EASEMENT
EXIST. EASEMENT
℄ STINSON RD.
12'
12'
12'
LANE
LANE
LANE
2% TYP
2% TYP
EXISTING GROUND
EXISTING GROUND
PGL

EXISTING STINSON RD. TYP
STA. 11+00.00 TO STA. 11+63.00

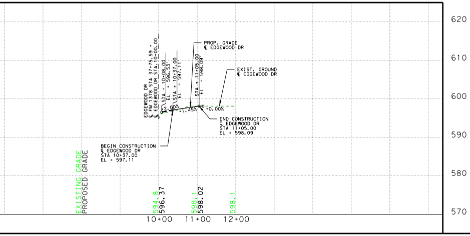

EXIST. EASEMENT 35'
EXIST EASEMENT
EXIST. EASEMENT
℄ STINSON RD.
12'
12'
12'
LANE
LANE
LANE
2%
2%
EXISTING GROUND
EXISTING GROUND
PGL

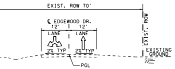
PROPOSED STINSON RD. TYP
STA. 11+00.00 TO STA. 11+63.00

EXIST. ROW
EXISTING GROUND

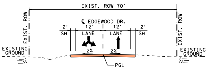

EXIST ROW
℄ EDGEWOOD DR.
℄ FM 1378
R=30'
EXIST ROW
END CONSTRUCTION
℄ EDGEWOOD DR.
STA. 11+05.00
EDGEWOOD DR
PROP. ROW
10+00
R=30'
EXIST ROW
EXIST ROW
℄ FM 1378 STA. 37+75.59 =
℄ EDGEWOOD DR. STA. 10+00.00
FM 1378
PROP. ROW
BURKE DR
PROP ROW
N 0° 35' 20.95" W

EDGEWOOD DR. (30 MPH)

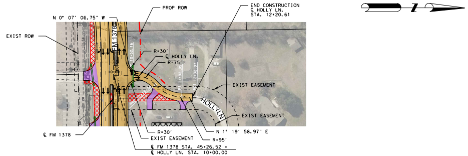

620
610
600
590
580
570
PROP. GRADE
℄ EDGEWOOD DR
EDGEWOOD DR
℄ FM 1378 STA 37+75.59 =
℄ EDGEWOOD DR STA. 10+00.00
STA = 10+08.00
EL = 596.53'
STA = 10+37.00
EL = 597.11'
STA = 11+05.00
EL = 598.09'
EXIST. GROUND
℄ EDGEWOOD DR
-2.00%
+1.45%
+0.00%
END CONSTRUCTION
℄ EDGEWOOD DR
STA 11+05.00
EL = 598.09
BEGIN CONSTRUCTION
℄ EDGEWOOD DR
STA 10+37.00
EL = 597.11
EXISTING GRADE
PROPOSED GRADE
594.8
596.37
598.1
598.02
598.1
10+00
11+00
12+00


EXIST. ROW 70'
℄ EDGEWOOD DR.
12'
12'
LANE
LANE
2% TYP
2% TYP
EXIST. ROW
EXISTING GROUND
PGL

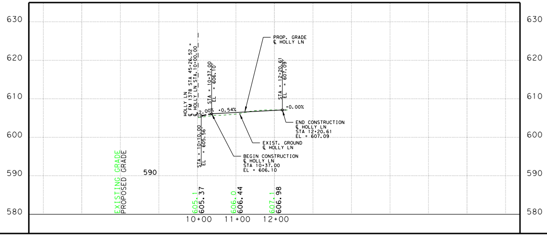
EXISTING EDGEWOOD DR. TYP
STA. 10+37.00 TO STA. 11+05.00

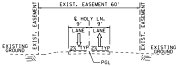

EXIST. ROW 70'
EXIST. ROW
℄ EDGEWOOD DR.
2'
12'
12'
2'
SH
LANE
LANE
SH
2%
2%
EXIST. ROW
EXISTING GROUND
EXISTING GROUND
PGL

PROPOSED EDGEWOOD DR. TYP
STA. 10+37.00 TO STA. 11+05.00

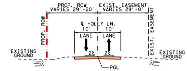

PROP ROW
END CONSTRUCTION
℄ HOLLY LN.
STA. 12+20.61
N 0° 07' 06.75" W
EXIST ROW
FM 1378
10+00
R=30'
℄ HOLLY LN.
R=75'
EXIST EASEMENT
HOLLY LN
EXIST EASEMENT
R=30'
EXIST EASEMENT
N 1° 19' 58.97" E
R=95'
℄ FM 1378
℄ FM 1378 STA. 45+26.52 =
℄ HOLLY LN. STA. 10+00.00

HOLLY LN. (15 MPH)

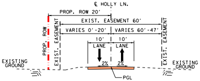

630
620
610
600
590
580
PROP. GRADE
℄ HOLLY LN
HOLLY LN
℄ FM 1378 STA 45+26.52 =
℄ HOLLY LN STA. 10+00.00
STA = 10+37.00
EL = 606.10'
STA = 12+20.61
EL = 607.09'
-2.00%
+0.54%
+0.00%
STA = 10+10.00
EL = 605.56'
END CONSTRUCTION
℄ HOLLY LN
STA 12+20.61
EL = 607.09
EXIST. GROUND
℄ HOLLY LN
BEGIN CONSTRUCTION
℄ HOLLY LN
STA 10+37.00
EL = 606.10
EXISTING GRADE
PROPOSED GRADE
590
605.1
605.37
606.0
606.44
607.1
606.98
10+00
11+00
12+00


EXIST. EASEMENT 60'
EXIST. EASEMENT
EXIST. EASEMENT
℄ HOLY LN.
9'
9'
LANE
LANE
2% TYP
2% TYP
EXISTING GROUND
EXISTING GROUND
PGL

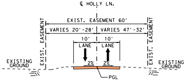
EXISTING HOLLY LN. TYP
STA. 10+37.00 TO STA. 12+20.61


PROP. ROW
VARIES 29'-20'
EXIST. EASEMENT
VARIES 29'-0'
PROP. ROW
EXIST. EASEMENT
℄ HOLLY LN.
10'
10'
LANE
LANE
2%
2%
EXISTING GROUND
EXISTING GROUND
PGL

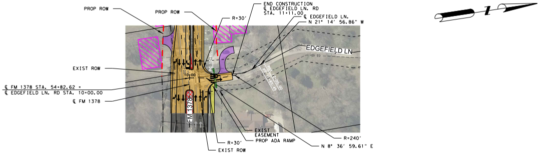
PROPOSED HOLLY LN. TYP
STA. 10+37.00 TO STA. 11+21.29


℄ HOLLY LN.
PROP. ROW 20'
EXIST. EASEMENT 60'
VARIES 0'-20'
VARIES 60'-47'
PROP. ROW
EXIST. EASEMENT
EXIST. EASEMENT
10'
10'
LANE
LANE
2%
2%
EXISTING GROUND
EXISTING GROUND
PGL

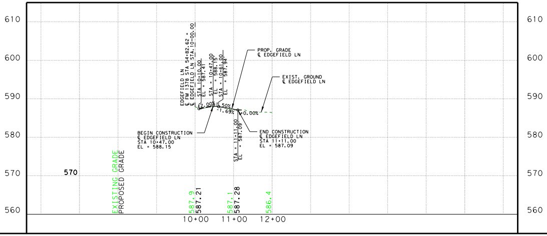
PROPOSED HOLLY LN. TYP
STA. 11+21.29 TO STA. 11+52.28

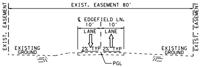

℄ HOLLY LN.
EXIST. EASEMENT 60'
VARIES 20'-28'
VARIES 47'-32'
EXIST. EASEMENT
EXIST. EASEMENT
10'
10'
LANE
LANE
2%
2%
EXISTING GROUND
EXISTING GROUND
PGL

PROPOSED HOLLY LN. TYP
STA. 11+52.28 TO STA. 12+20.61

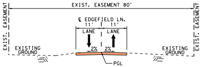

PROP ROW
PROP ROW
R=30'
END CONSTRUCTION
℄ EDGEFIELD LN. RD
STA. 11+11.00
℄ EDGEFIELD LN.
N 21° 14' 56.86" W
EDGEFIELD LN
EXIST ROW
℄ FM 1378 STA. 54+82.62 =
℄ EDGEFIELD LN. RD STA. 10+00.00
℄ FM 1378
10+00
FM 1378
EXIST
EASEMENT
PROP ADA RAMP
R=240'
R=30'
N 8° 36' 59.61" E
EXIST ROW

EDGEFIELD LN. (25 MPH)

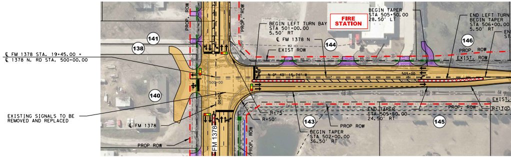



EXIST. EASEMENT 80'
EXIST. EASEMENT
EXIST. EASEMENT
℄ EDGEFIELD LN.
10'
10'
LANE
LANE
2% TYP
2% TYP
EXISTING GROUND
EXISTING GROUND
PGL

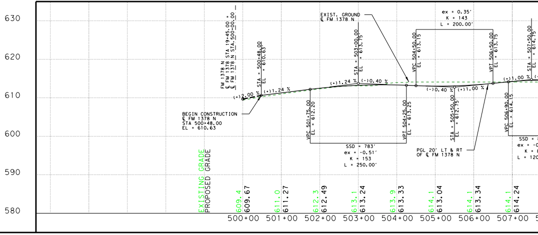
EXISTING EDGEFIELD LN. TYP
STA. 10+47.00 TO STA. 11+11.00

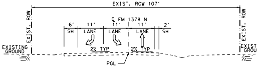

EXIST. EASEMENT 80'
EXIST. EASEMENT
EXIST. EASEMENT
℄ EDGEFIELD LN.
11'
11'
LANE
LANE
2%
2%
EXISTING GROUND
EXISTING GROUND
PGL

PROPOSED EDGEFIELD LN. TYP
STA. 10+47.00 TO STA. 11+11.00

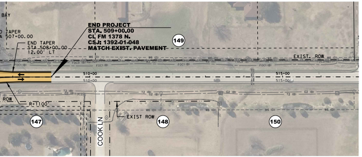

℄ FM 1378 STA. 19+45.00 =
℄ 1378 N. RD STA. 500+00.00
EXISTING SIGNALS TO BE
REMOVED AND REPLACED
℄ FM 1378
PROP ROW
PROP. ROW
PROP. ROW
PROP. ROW
141
138
140
FM 1378
500+00
BEGIN LEFT TURN BAY
STA 501+00.00
5.50' RT
FIRE
STATION
℄ FM 1378 N
144
EXIST ROW
N 0° 43' 15.74" W
505+00
BEGIN TAPER
STA 505+50.00
28.50' LT
END LEFT TURN
BEGIN TAPER
STA 506+00.00
5.50' RT
146
PROP. ROW
EXIST. ROW
EXIST.
R=75'
R=50'
143
PROP ROW
BEGIN TAPER
STA 502+00.00
36.50' RT
END TAPER
STA 505+50.00
24.50' RT
PROP. ROW
145

FM 1378 N (COUNTRY CLU

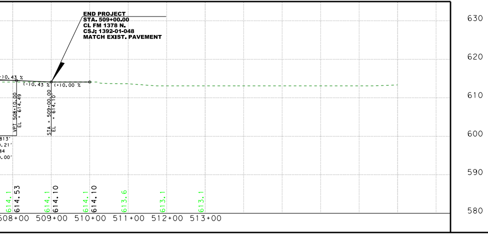



EXIST. ROW 107'
EXIST. ROW
EXIST. ROW
℄ FM 1378 N
6'
11'
11'
11'
2'
SH
LANE
LANE
LANE
SH
2% TYP
2% TYP
EXISTING GROUND
EXISTING GROUND
PGL

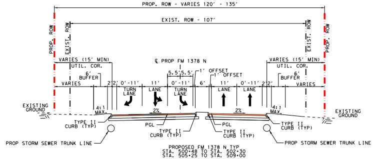
EXISTING FM 1378 N TYP
STA. 500+48 TO STA. 509+00


BAY
D TAPER
A 507+00.00
END TAPER
STA 508+00.00
12.00' LT
END PROJECT
STA. 509+00.00
CL FM 1378 N.
CSJ: 1392-01-048
MATCH EXIST. PAVEMENT
149
EXIST. ROW
510+00
515+00
ROW
R=1100'
EXIST ROW
COOK LN
147
148
150

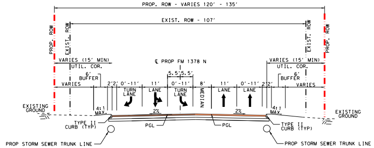
B RD.) (40 MPH)



TURN LANE DETAILS						
DIRECTION	LOCATION	TAPER LENGTH	DECEL LENGTH	STORAGE LENGTH	TOTAL LENGTH	MEDIAN NOSE RADIUS
SBR	FM 1378 N	150	265'	435'	700'	-
SBL	FM 1378 N	100'	265'	235'	500'	3.0'


PROP. ROW - VARIES 120' - 135'
EXIST. ROW - 107'
PROP. ROW
EXIST. ROW
℄ PROP FM 1378 N
VARIES (15' MIN)
UTIL. COR.
6' BUFFER
VARIES
2'2' 0'-11'
11'
0'-11'
6'
11'
0'-11' 2'2'
5.5'5.5'
1' OFFSET
1' OFFSET
TURN LANE
LANE
TURN LANE
LANE
LANE
EXISTING GROUND
4:1 MAX.
2%
2%
TYPE II CURB (TYP)
PGL
TYPE II CURB (TYP)
PROP STORM SEWER TRUNK LINE

PROPOSED FM 1378 N TYP
STA. 500+48 TO STA. 502+30
STA. 505+25 TO STA. 509+00


PROP. ROW - VARIES 120' - 135'
EXIST. ROW - 107'
PROP. ROW
EXIST. ROW
℄ PROP FM 1378 N
VARIES (15' MIN)
UTIL. COR.
6' BUFFER
VARIES
2'2' 0'-11'
11'
0'-11'
8'
11'
0'-11' 2'2'
5.5'5.5'
MEDIAN
TURN LANE
LANE
TURN LANE
LANE
LANE
EXISTING GROUND
4:1 MAX.
2%
2%
TYPE II CURB (TYP)
PGL
PROP STORM SEWER TRUNK LINE

PROPOSED FM 1378 N TYP
STA. 502+30 TO STA. 505+25

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

FM 1378
100% DESIGN SCHEMATIC

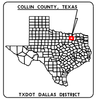
COLLIN COUNTY, TEXAS
FROM FM 3286 TO WEST LUCAS RD
CSJ: 1392-01-048
LENGTH (W LUCAS RD): 0.999 MILES
LENGTH (COUNTRY CLUB DR): 0.023 MILES
TERRAIN: LEVEL

DATED: AUGUST 2024

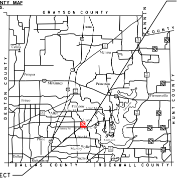
ROADWAY	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
FM 1378	45 MPH	UNCURBED ARTERIAL URBAN STREET
FM 1378 N/COUNTRY CLUB	40 MPH	LOCAL
STINSON RD.	30 MPH	LOCAL
EDGEWOOD DR.	30 MPH	LOCAL
HOLLY LN.	15 MPH	LOCAL
EDGEFIELD LN.	25 MPH	LOCAL

INDEX OF SHEETS

SHEET 1:	FM 1378 PLAN & PROFILE
SHEET 2:	INTERSECTION PLAN & PROFILE


COLLIN COUNTY, TEXAS

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


GRAYSON COUNTY
FANNIN COUNTY
DENTON COUNTY
HUNT COUNTY
DALLAS COUNTY
ROCKWALL COUNTY
Celina
Anna
Melissa
Prosper
McKinney
Princeton
Farmersville
Frisco
Allen
Fairview
Lucas
Plano
Wylie
Murphy
Sachse
Dallas
Richardson

END PROJECT
CSJ: 1392-01-048
E. LUCAS ROAD
STA. 55+75.90

BEGIN PROJECT
CSJ: 1392-01-048
W. LUCAS ROAD
STA. 3+00.00

LOCATION MAP
N.T.S.

LEGEND

- —·—·— EXISTING RIGHT OF WAY LINE
- —·—·— PROPOSED RIGHT OF WAY LINE
- —·—·— CENTERLINE
- ——— PARCEL LINE
- - - - - EXISTING EASEMENT
- - - - - EXISTING DRAINAGE
- ——— PROPOSED DITCH BOTTOM
- ▨ PROPOSED DRAINAGE STRUCTURE
- - - - - PROPOSED CULVERT
- ∽ DIRECTION OF FLOW
- ▭ C402 RAIL
- —•— METAL BEAM GUARD FENCE (MBGF)
- ——— PROPOSED RETAINING WALL
- ▨ EXISTING PAVEMENT REMOVAL
- 🟧 PROPOSED CONCRETE PAVEMENT
- 🟥 PROPOSED ASPHALT PAVEMENT
- 🟨 PROPOSED SHARED USE PATH
- 🟪 PROPOSED DRIVEWAY
- ▭ ADJACENT PROJECT - BY OTHERS
- ▨ POTENTIAL IMPACT
- ▨ DISPLACEMENT
- ▨ MILL AND OVERLAY
- ▨ PROPOSED CONC RIPRAP
- ← PROPOSED LANES
- Ⓝ PARCEL IDENTIFICATION NUMBER

SCALE: HORIZ: 1"=100', VERT: 1"=10'

GARVER
3000 INTERNET BOULEVARD
SUITE 400
FRISCO, TX 75034
FIRM REGISTRATION NO. 5713

ROLL 2 OF 2