DALLAS DISTRICT

CEASON G. CLEMENS, P.E. - DISTRICT ENGINEER

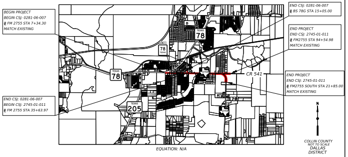
DESIGN SCHEMATIC 60%

FM 2755
COLLIN COUNTY

CSJ: 0281-06-007
BS 78G FROM SH 78 TO FM 2755
CSJ: 2745-01-011
FM 2755 FROM BS 78G TO CR 541
PROJECT TOTAL LENGTH: 1.65 MILES

EXISTING ADT	11,395 (YEAR 2024)
PROJECTED ADT	26,405 (YEAR 2055)

ROADWAY NAME	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
BS 78G (FROM SH 78 TO FM 2755)	45 MPH	URBAN MINOR COLLECTOR
FM 2755 (FROM BS 78G TO CR 541)	45 MPH	URBAN MAJOR COLLECTOR
BS 78 / MAIN ST	40 MPH	URBAN MINOR COLLECTOR
CR 483, CR 541 / WATKINS RD	40 MPH	URBAN MINOR ARTERIAL
GEREN DR, LAKE RD, SUNSET DR, CR 540 W, CR 540 E	30 MPH	URBAN LOCAL
PRESIDENTS BLVD, LINCOLN AVE, FAWN LN, CR 538	20 MPH	URBAN LOCAL
BURNETT DR, MUSTANG CT, WOLF RUN CT	15 MPH	URBAN LOCAL


BEGIN PROJECT
BEGIN CSJ: 0281-06-007
℄ FM 2755 STA 7+34.30
MATCH EXISTING
END CSJ: 0281-06-007
℄ BS 78G STA 15+05.00
END PROJECT
END CSJ: 2745-01-011
℄ FM2755 STA 94+54.98
MATCH EXISTING
END PROJECT
END CSJ: 2745-01-011
℄ FM2755 SOUTH STA 21+85.00
MATCH EXISTING
END CSJ: 0281-06-007
BEGIN CSJ: 2745-01-011
℄ FM 2755 STA 35+63.97
TEXAS 78
78
205
2755
CR 541
N
COLLIN COUNTY
NOT TO SCALE
DALLAS
DISTRICT

EQUATION: N/A

PRELIMINARY

SUBJECT TO CHANGE
BASED ON FURTHER
DEVELOPMENTS RESULTING
FROM PUBLIC INPUT AND
TECHNICAL REVIEW.
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.

DATE APPROVED

DATE SUBMITTED

DATE REVISED

DATE: JULY, 2025
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
RYAN LAGSDING, P.E.

0 50 100
HORIZONTAL
0 5 10
VERTICAL

SERIAL NO. 113021

ROLL 2 OF 3

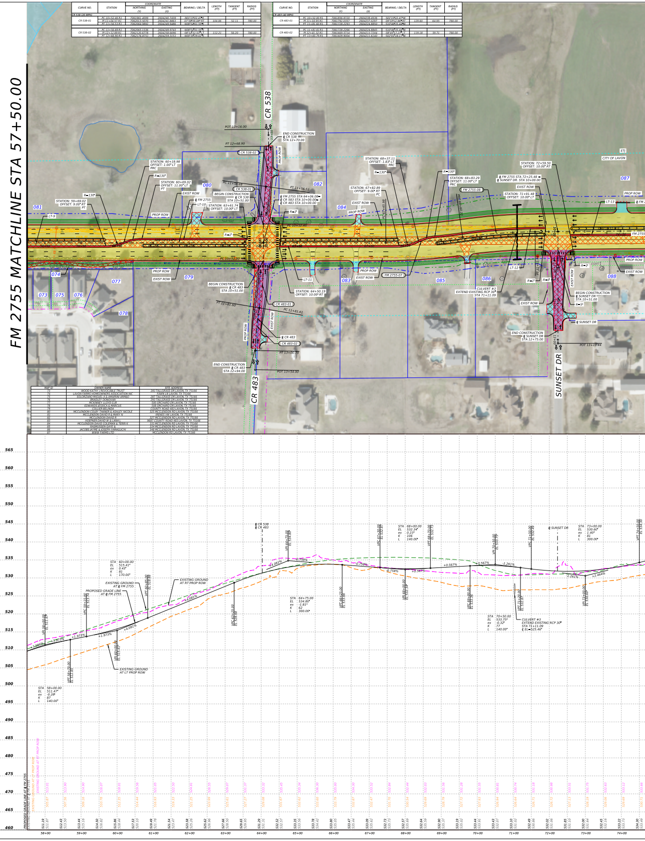
HNTB Corporation
The HNTB Companies
Engineers Architects Planners
TBPELS Firm Registration No. 420

LEGEND

— · —	Proposed Baseline
- - -	Existing ROW
- · -	Proposed ROW
——	Existing Property Limits
- - -	City Limit
- · -	Proposed Ditch Centerline
······	Existing Easement
——	Type II Curb
— FOC —	Communication
— E —	Electric
— G —	Gas
— STM —	Storm Drainage
— W —	Water
— WW —	Wastewater
— OH —	Overhead Electric
🟨	Proposed Mainlanes
🟪	Proposed Cross Streets
🟫	Proposed Bridge
🟦	Proposed Driveway
🟪	Proposed Median
🟩	Proposed Shared Used Path
🟦	Proposed Sidewalk
🟧	Temporary Pavement
🟥	Displacements
▨	Removals
▨	FEMA Floodplain
➡	Proposed Direction of Traffic
⇨	Existing Direction of Traffic
●●●	Existing Traffic Signal
###	Property Owner Identification
~	Flow Arrow

NOTES:

1. EXISTING RIGHT OF WAY (ROW) AND TOPOGRAPHIC SURVEY PROVIDED BY ARS ENGINEERS (NOVEMBER 2024).
2. AERIAL IMAGERY IS APPROXIMATE AND SHOWN FOR INFORMATION ONLY. RECENT DEVELOPMENTS MAY NOT BE REFLECTED. IMAGERY TAKEN FROM TNRIS (MAY 2024).
3. ALL DIMENSIONS ARE MEASURED TO THE FACE OF CURB, RAIL, OR BARRIER UNLESS NOTED OTHERWISE.
4. PEDESTRIAN AND BICYCLE ACCESS IS PRELIMINARY AND SUBJECT TO CHANGE PENDING COORDINATION WITH TXDOT AND THE CITY OF LAVON.
5. LOCATION OF ADA RAMPS IS PRELIMINARY AND SUBJECT TO CHANGE PENDING COORDINATION WITH TXDOT AND THE CITY OF LAVON.
6. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE PENDING COORDINATION WITH TXDOT AND THE CITY OF LAVON.
7. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING FINAL DESIGN.
8. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE EXISTING BUILDING STRUCTURE. ACTUAL DAMAGES TO THE BUILDING AND PROPERTY TO BE DETERMINED DURING THE ROW ACQUISITION PROCESS.
9. ALL ROADWAYS HAVE A NORMAL CROWN (NC) OF +/- 2% UNLESS OTHERWISE NOTED ON THE CROSS SLOPE TABLES. THE AXIS OF ROTATION IS ABOUT THE PGL.
10. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS. NUMBER 48085C0445J EFFECTIVE 06/06/2009.
11. OWNERSHIP INFORMATION EXTRACTED FROM COLLIN COUNTY APPRAISAL DISTRICT ON 06/10/2025.
12. CROSS STREET RADII IS 30' UNLESS OTHERWISE NOTED.


FM 2755 MATCHLINE STA 57+50.00
CR 538
CR 483
SUNSET DR
CITY OF LAVON
ETJ
073
074
075
076
077
078
079
080
081
082
083
084
085
086
087
088
END CONSTRUCTION
℄ CR 538
STA 12+70.00
BEGIN CONSTRUCTION
℄ CR 538
STA 10+51.00
BEGIN CONSTRUCTION
℄ CR 483
STA 10+51.00
END CONSTRUCTION
℄ CR 483
STA 12+94.00
BEGIN CONSTRUCTION
℄ SUNSET DR
STA 10+51.00
END CONSTRUCTION
℄ SUNSET DR
STA 12+75.00
℄ FM 2755 STA 64+06.08
℄ CR 538 STA 10+00.00
℄ CR 483 STA 10+00.00
℄ FM 2755 STA 72+25.48
℄ SUNSET DR. STA 10+00.00
CULVERT #3
EXTEND EXISTING RCP 30"
STA 71+11.09
PROP ROW
EXIST ROW
R=130'
R=3'
R=1'
CR 538-01
CR 538-02
CR 483-01
CR 483-02
FM 2755-07
FM 2755-08
POT 13+16.00
PT 12+68.90
POT 13+54.00
PT 13+00.79
STATION: 59+69.02
OFFSET: 9.00' RT
STATION: 60+18.98
OFFSET: 1.00' LT
STATION: 60+69.02
OFFSET: 11.00' LT
STATION: 63+61.74
OFFSET: 10.00' LT
STATION: 64+50.19
OFFSET: 10.00' RT
STATION: 67+82.89
OFFSET: 9.00' RT
STATION: 68+37.11
OFFSET: 1.83' LT
STATION: 68+83.29
OFFSET: 11.00' LT
STATION: 71+93.48
OFFSET: 10.00' LT
STATION: 72+59.50
OFFSET: 10.00' RT
PROPOSED GRADE LINE AT ℄ FM 2755
EXISTING GROUND AT ℄ FM 2755
EXISTING GROUND AT RT PROP ROW
EXISTING GROUND AT LT PROP ROW
STA : 58+00.00
EL : 511.47'
ex : -0.20'
K : 87
L : 140.00'
STA : 60+00.00
EL : 515.41'
ex : 0.43'
K : 83
L : 170.00'
STA : 64+75.00
EL : 534.80'
ex : -1.81'
K : 62
L : 300.00'
STA : 68+00.00
EL : 532.34'
ex : 0.23'
K : 106
L : 140.00'
STA : 70+50.00
EL : 533.75'
ex : -0.32'
K : 77
L : 140.00'
STA : 73+00.00
EL : 530.60'
ex : 1.40'
K : 81
L : 300.00'
+1.973%
+4.081%
-0.758%
+0.567%
-1.261%
+2.484%
565
560
555
550
545
540
535
530
525
520
515
510
505
500
495
490
485
480
475
470
465
460
58+00
59+00
60+00
61+00
62+00
63+00
64+00
65+00
66+00
67+00
68+00
69+00
70+00
71+00
72+00
73+00
74+00

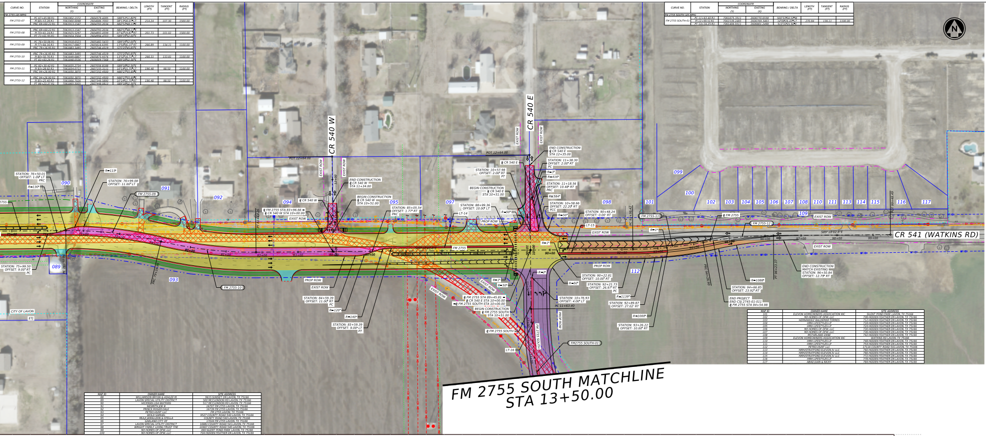
MAP ID	OWNER NAME	SITE ADDRESS
73	WOOD KATHY J REVOCABLE TRUST	283 TALLGRASS DR LAVON, TX 75166
74	LAVON FARMS HOMEOWNERS ASSOCIATION INC	FAWN LN LAVON, TX 75166
75	SOLORZANO MIGUEL A & [illegible]	287 TALLGRASS DR LAVON, TX 75166
76	BRADLEY DONOVAN	293 TALLGRASS DR LAVON, TX 75166
77	MCKINNEY LLOYD G JR	500 ORCHARD DR LAVON, TX 75166
78	EDWARDS JESSICA & MARCUS	508 ORCHARD DR LAVON, TX 75166
79	COLLIER BELINDA	COUNTY ROAD 483 LAVON, TX 75166
80	MCCLENDON COLBY TANNER & ASHLEY NICOLE	325 MCCLENDON RD LAVON, TX 75166
81	MCCLENDON DAVID R & MARY N	[illegible] LAVON, TX 75166
82	MCCLENDON DAVID R	327 MCCLENDON RD LAVON, TX 75166
83	HOEFNER DAVID W & LANA L	9887 COUNTY ROAD 483 LAVON, TX 75166
84	MCCLENDON DAVID COLEMAN & TERRI K	331 MCCLENDON RD LAVON, TX 75166
85	RASMUSSEN GAYE G	334 MCCLENDON RD LAVON, TX 75166
86	JACOBS WADE & [illegible]	348 MCCLENDON RD LAVON, TX 75166
87	WWW FARMS LTD	MCCLENDON RD LAVON, TX 75166

CURVE NO.	STATION	COORDINATE NORTHING (Y)	COORDINATE EASTING (X)	BEARING / DELTA	LENGTH (FT)	TANGENT (FT)	RADIUS (FT)
CR 538 (20 MPH)							
CR 538-01	PC 10+52.46 R1	7061961.4099	2604240.7439	N01°13'22.47"E			
	PI 11+04.57 R1	7062013.5070	2604241.8883	07°38'39.08" RT	104.06	52.11	780.00
	PT 11+56.53 R1	7062064.9892	2604249.9486	N08°50'01.55"E			
CR 538-02	PC 11+56.69 R1	7062065.1536	2604249.9743	N08°50'01.55"E			
	PI 12+12.89 R1	7062120.6778	2604258.6886	08°14'32.53" LT	112.22	56.20	780.00
	PT 12+68.90 R1	7062176.8751	2604259.3151	N00°35'29.02"E			

CURVE NO.	STATION	COORDINATE NORTHING (Y)	COORDINATE EASTING (X)	BEARING / DELTA	LENGTH (FT)	TANGENT (FT)	RADIUS (FT)
CR 483 (40 MPH)							
CR 483-01	PC 10+52.00 R1	7061836.9720	2604238.4536	S01°13'22.47"W			
	PI 11+16.95 R1	7061772.0357	2604237.0297	09°51'12.98" RT	129.60	64.95	780.00
	PT 11+81.60 R1	7061728.2293	2604224.8830	S10°09'35.44"W			
CR 483-02	PC 11+82.61 R1	7061728.2266	2604224.8865	S10°09'35.44"W			
	PI 12+41.32 R1	7061669.5714	2604213.7204	08°45'17.27" LT	119.18	59.71	780.00
	PT 13+00.79 R1	7061609.9504	2604211.6140	S02°01'18.17"W			

CURVE NO.	STATION	COORDINATE NORTHING (Y)	COORDINATE EASTING (X)	BEARING / DELTA	LENGTH (FT)	TANGENT (FT)	RADIUS (FT)
FM 2755 (45 MPH)							
FM 2755-07	PC 67+45.98 R1	7061902.1572	2604579.4285	S89°31'11.80"E			
	PI 68+53.28 R1	7061900.0098	2604686.7093	08°11'00.07" LT	214.24	107.30	1500.00
	PRC 69+60.22 R1	7061913.1547	2604793.2034	N82°17'48.13"E			
FM 2755-08	PRC 69+60.22 R1	7061913.1547	2604793.2034	N82°17'48.13"E			
	PI 70+61.24 R1	7061925.5297	2604893.4599	07°42'19.87" RT	201.73	101.02	1500.00
	PT 71+61.95 R1	7061924.3504	2604994.4703	S89°19'52.00"E			
FM 2755-09	PC 76+50.06 R1	7061918.6523	2605482.5433	S89°19'52.00"E			
	PI 77+84.16 R1	7061917.0867	2605616.6355	13°54'06.15" RT	266.89	134.11	1100.00
	PRC 79+16.95 R1	7061883.3445	2605746.4329	S75°25'45.85"E			
FM 2755-10	PRC 79+16.95 R1	7061883.3445	2605746.4329	S75°25'45.85"E			
	PI 80+50.76 R1	7061849.6867	2605875.9376	13°52'16.71" LT	266.31	133.81	1100.00
	PT 81+83.26 R1	7061848.0516	2606009.7369	S89°18'02.56"E			
FM 2755-11	PC 92+30.42 R1	7061835.2734	2607056.8188	S89°18'02.56"E			
	PI 93+28.92 R1	7061834.0713	2607155.3311	10°14'01.75" LT	196.48	98.50	1100.00
	PRC 94+26.90 R1	7061850.3870	2607252.4500	N80°27'55.69"E			
FM 2755-12	PRC 94+26.90 R1	7061850.3870	2607252.4500	N80°27'55.69"E			
	PI 95+25.40 R1	7061866.7026	2607349.5890	10°14'01.75" RT	196.48	98.50	1100.00
	PT 96+23.37 R1	7061865.5005	2607448.0813	S89°18'02.56"E			

CURVE NO.	STATION	COORDINATE NORTHING (Y)	COORDINATE EASTING (X)	BEARING / DELTA	LENGTH (FT)	TANGENT (FT)	RADIUS (FT)
FM 2755 SOUTH (45 MPH)							
FM 2755 SOUTH-01	PC 11+63.40 R1	7061675.3511	2606770.6558	S00°33'04.51"W			
	PI 12+99.51 R1	7061539.2483	2606769.3463	14°08'28.43" LT	270.84	136.11	1100.00
	PT 14+34.25 R1	7061406.9311	2606801.2498	S13°33'21.92"E			



CR 540 W
CR 540 E
CR 541 (WATKINS RD)
FM 2755
FM 2755 SOUTH
FM 2755 SOUTH MATCHLINE
STA 13+50.00
POT 12+84.00
POT 12+64.00
EXIST ROW
PROP ROW
CITY OF LAVON
ETJ
STATION: 76+50.01 OFFSET: 1.09' LT PRC
STATION: 75+99.50 OFFSET: 9.00' RT PC
STATION: 76+99.08 OFFSET: 11.00' LT
END CONSTRUCTION ℄ CR 540 W STA 11+34.00
BEGIN CONSTRUCTION ℄ CR 540 W STA 10+51.00
℄ FM 2755 STA 83+96.66 = ℄ CR 540 W STA 10+00.00
STATION: 85+05.54 OFFSET: 1.77' RT PRC
STATION: 84+59.39 OFFSET: 11.00' RT PC
STATION: 85+59.39 OFFSET: 9.00' LT PT
STATION: 88+99.36 OFFSET: 10.00' LT
STATION: 10+57.98 OFFSET: 2.00' RT PT
BEGIN CONSTRUCTION ℄ CR 540 E STA 10+51.00
END CONSTRUCTION ℄ CR 540 E STA 12+35.00
STATION: 11+38.30 OFFSET: 2.00' RT PC
STATION: 11+18.56 OFFSET: 10.48' RT PRC
STATION: 10+58.66 OFFSET: 22.20' RT PCC
STATION: 90+48.24 OFFSET: 0.00' RT
STATION: 90+22.81 OFFSET: 10.00' RT
STATION: 92+21.73 OFFSET: 26.97' RT PC
STATION: 10+76.93 OFFSET: 4.00' LT
STATION: 92+89.87 OFFSET: 27.02' RT
STATION: 93+26.22 OFFSET: 10.00' RT
STATION: 94+66.85 OFFSET: 23.92' RT
END CONSTRUCTION MATCH EXISTING STATION: 96+50.84 OFFSET: 12.79' RT
END PROJECT END CSJ 2745-01-011 ℄ FM 2755 STA 94+54.98
℄ FM 2755 STA 89+45.81 = ℄ CR 540 E STA 10+00.00 = ℄ FM 2755 SOUTH STA 10+00.00
BEGIN CONSTRUCTION ℄ FM 2755 SOUTH STA 10+51.00
PC 11+63.40
S89°18'02.6"E
R=113'
R=130'
R=120'
R=140'
R=50'
R=1'
R=3'
R=416'
R=584'
R=2'
R=1139'
R=1000'
R=1088'
LT-14
LT-15
LT-16
FM 2755-09
FM 2755-10
FM 2755-11
FM 2755-12
FM2755 SOUTH-01
089
090
091
092
093
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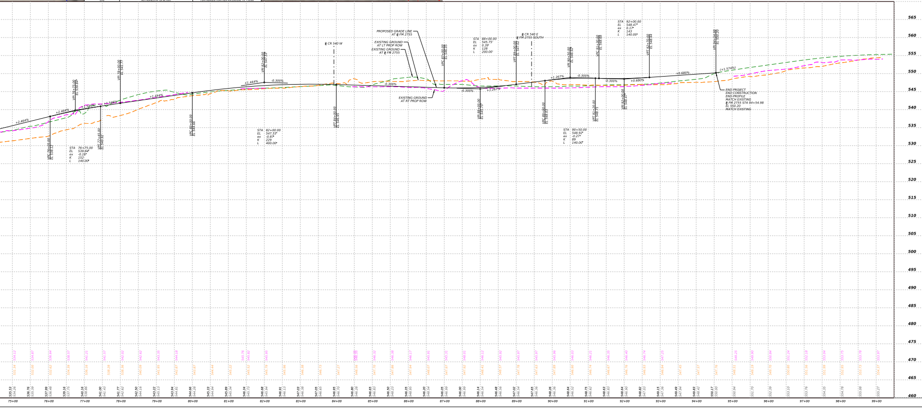
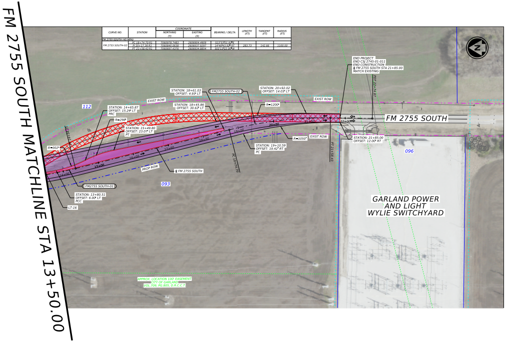
MAP ID	OWNER NAME	SITE ADDRESS
88	WILLIAMSON BRYAN & ASHLEE M	9615 SUNSET DR LAVON, TX 75166
89	LAVON SPECIAL UTILITY DISTRICT	500 MCCLENDON RD LAVON, TX 75166
90	HICKMAN LISA WATKINS	517 MCCLENDON RD LAVON, TX 75166
91	NESMITH JOE R	16707 FM 2755 LAVON, TX 75166
92	PRINCE ROGER DALE	16739 FM 2755 LAVON, TX 75166
93	PETRO-HUNT LLC	FM 2755 LAVON, TX 75166
94	WOLD SAMUEL	9527 COUNTY ROAD 540 LAVON, TX 75166
95	MULJ JAMALUDIN & STELLA	COUNTY ROAD 540 LAVON, TX 75166
96	GARLAND CITY OF	17044 FM 2755 LAVON, TX 75166
97	LAVON SPECIAL UTILITY DISTRICT	16882 COUNTY ROAD 541 LAVON, TX 75166
98	WRIGHT FAMILY LIVING TRUST THE	10467 COUNTY ROAD 540 LAVON, TX 75166
99	M/I HOMES OF DFW, LLC	449 SILENT POND PARK LAVON, TX 75166
100	M/I HOMES OF DFW, LLC	704 HIDDEN FEATHER DR LAVON, TX 75166

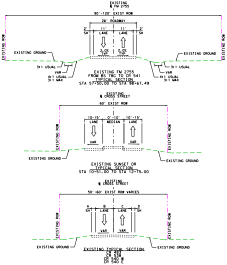
MAP ID	OWNER NAME	SITE ADDRESS
101	ELEVON HOMEOWNERS ASSOCIATION INC	SILENT POND PARK LAVON, TX 75166
102	M/I HOMES OF DFW, LLC	708 HIDDEN FEATHER DR LAVON, TX 75166
103	HERNANDEZ BALDEMAR TORRES	712 HIDDEN FEATHER DR LAVON, TX 75166
104	HMH LIFESTYLES LP	718 HIDDEN FEATHER DR LAVON, TX 75166
105	HMH LIFESTYLES LP	724 HIDDEN FEATHER DR LAVON, TX 75166
106	M/I HOMES OF DFW, LLC	730 HIDDEN FEATHER DR LAVON, TX 75166
107	M/I HOMES OF DFW, LLC	736 HIDDEN FEATHER DR LAVON, TX 75166
108	MCFARLAND ZANE	742 HIDDEN FEATHER DR LAVON, TX 75166
109	ELEVON HOMEOWNERS ASSOCIATION INC	WATKINS RD LAVON, TX 75166
110	HMH LIFESTYLES LP	748 HIDDEN FEATHER DR LAVON, TX 75166
111	HMH LIFESTYLES LP	754 HIDDEN FEATHER DR LAVON, TX 75166
112	PETRO-HUNT LLC	17116 COUNTY ROAD 541 LAVON, TX 75166
113	HMH/STRATFORD ELEVON 17 LLC	760 HIDDEN FEATHER DR LAVON, TX 75166
114	HMH/STRATFORD ELEVON 17 LLC	766 HIDDEN FEATHER DR LAVON, TX 75166
115	HMH/STRATFORD ELEVON 17 LLC	772 HIDDEN FEATHER DR LAVON, TX 75166
116	HMH LIFESTYLES LP	778 HIDDEN FEATHER DR LAVON, TX 75166
117	ABAD JUAN & RICKY	784 HIDDEN FEATHER DR LAVON, TX 75166




FM 2755 SOUTH MATCHLINE STA 13+50.00
FM 2755 SOUTH
GARLAND POWER AND LIGHT WYLIE SWITCHYARD
EXIST ROW
PROP ROW
FM2755 SOUTH-01
FM2755 SOUTH-02
STATION: 13+80.51 OFFSET: 6.00' LT PCC
STATION: 14+65.87 OFFSET: 15.24' LT PRC
STATION: 15+49.80 OFFSET: 23.07' LT PT
STATION: 18+61.03 OFFSET: 4.93' LT
STATION: 18+45.86 OFFSET: 30.63' LT
STATION: 19+10.59 OFFSET: 19.42' RT PC
STATION: 20+92.02 OFFSET: 14.03' LT
STATION: 21+85.00 OFFSET: 12.00' RT
END PROJECT END CSJ 2743-01-012 END CONSTRUCTION FM 2755 SOUTH STA 21+85.00 MATCH EXISTING
R=302'
R=298'
R=1200'
R=1050'
LT-16
112
093
096
APPROX. LOCATION 180' EASEMENT CITY OF GARLAND VOL 799, PG 805, D.R.C.C.T.

CURVE NO.	STATION	COORDINATE NORTHING (Y)	COORDINATE EASTING (X)	BEARING / DELTA	LENGTH (FT)	TANGENT (FT)	RADIUS (FT)
FM 2755 SOUTH (45 MPH)							
FM 2755 SOUTH-02	PC 18+74.70 R1	7060978.7481	2606904.4909	S13°33'21.92"E			
	PI 20+17.36 R1	7060840.0638	2606937.9297	14°46'43.92" RT	283.73	142.66	1100.00
	PT 21+58.43 R1	7060697.4378	2606934.8854	S01°13'22.00"W			

EXISTING TYPICAL SECTIONS


EXISTING ℄ FM 2755
90'-120' EXIST ROW
26' ROADWAY
2' SH
11' LANE
11' LANE
2' SH
2.0% TYP
EXISTING ROW
EXISTING GROUND
3:1 USUAL
4:1 USUAL 3:1 MAX
VAR
EXISTING ℄ CROSS STREET
60' EXIST ROW
10-15' LANE
0'-10' MEDIAN
10'-15' LANE
50'-60' EXIST ROW VARIES
A SH
B LANE
C LANE
D SH

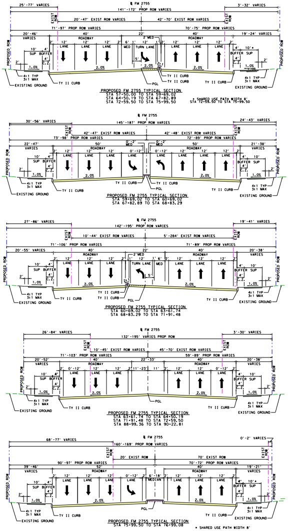
EXISTING FM 2755
FROM BS 78G TO CR 541
TYPICAL SECTION
STA 57+50.00 TO STA 98+67.49

EXISTING SUNSET DR
TYPICAL SECTION
STA 10+51.00 TO STA 12+75.00

EXISTING TYPICAL SECTION
CR 483
CR 538
CR 540 W
CR 540 E

	A (ft)	B (ft)	C (ft)	D (ft)	STA TO STA
CR 483	0	11	11	0	STA 10+51.00 TO STA 12+94.00
CR 538	0	12	12	0	STA 10+51.00 TO STA 12+70.00
CR 540 W	0	12	12	0	STA 10+51.00 TO STA 11+30.00
CR 540 E	0	12	12	0	STA 10+51.00 TO STA 12+25.00

PROPOSED TYPICAL SECTIONS - FM 2755


℄ FM 2755
PROP ROW VARIES
EXIST ROW VARIES
PROPOSED ROW
EXIST ROW
ROADWAY
LANE
TURN LANE
MED
MEDIAN
SUP
BUFFER
C.Z.
1.0%
2.0%
4:1 TYP 3:1 MAX
TY II CURB
PGL
EXISTING GROUND

PROPOSED FM 2755 TYPICAL SECTION
STA 57+50.00 TO STA 59+69.02
STA 64+50.19 TO STA 67+82.89
STA 72+59.50 TO STA 75+99.50

* SHARED USE PATH WIDTH 8'
STA 72+59.50 TO STA 75+99.50

PROPOSED FM 2755 TYPICAL SECTION
STA 59+69.02 TO STA 60+69.02
STA 67+82.89 TO STA 68+83.29

PROPOSED FM 2755 TYPICAL SECTION
STA 60+69.02 TO STA 63+61.74
STA 68+83.29 TO STA 71+91.48

PROPOSED FM 2755 TYPICAL SECTION
STA 63+61.74 TO STA 64+50.19
STA 71+91.48 TO STA 72+59.50
STA 88+99.36 TO STA 90+22.81

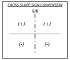
PROPOSED FM 2755 TYPICAL SECTION
STA 75+99.50 TO STA 76+99.08

* SHARED USE PATH WIDTH 8'

CROSS SLOPE TRANSITIONS

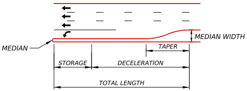
	BEGIN STATION	BEGIN SLOPE	END STATION	END SLOPE
RT	55+40.00	2.00%	64+50.00	2.00%
	64+50.00	2.00%	68+30.00	-2.00%
LT	80+00.00	2.00%	83+80.00	-2.00%
	83+80.00	-2.00%	93+00.00	-2.00%
	93+00.00	-2.00%	96+00.00	2.00%

CROSS SLOPE SIGN CONVENTION

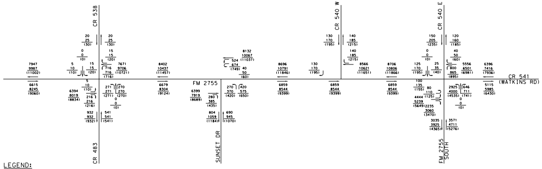


LEFT TURN DETAILS

NOT TO SCALE

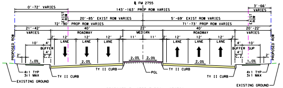

MEDIAN WIDTH
MEDIAN
TAPER
STORAGE
DECELERATION
TOTAL LENGTH

ID	Storage (ft)	Deceleration (ft)	Taper (ft)	Total Length (ft)
LT-10	100	292	108	392
LT-11	100	332	100	432
LT-12	100	307	100	407
LT-13	100	340	100	440
LT-14	100	340	100	440
LT-15	100	280	100	380
LT-16	100	373	170	473

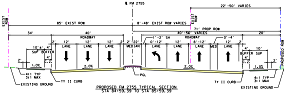

CR 538
CR 483
FM 2755
SUNSET DR
CR 540 W
CR 540 E
FM 2755 SOUTH
CR 541 (WATKINS RD)

LEGEND:
XXX - YEAR 2035 ADT
YYY - YEAR 2055 ADT
(ZZZ)- YEAR 2065 ADT

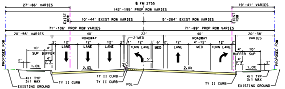
PROPOSED TYPICAL SECTIONS - FM 2755


℄ FM 2755
0'-72' VARIES
143'-163' PROP ROW VARIES
3'-66' VARIES
EXIST ROW
20'-85' EXIST ROW VARIES
5'-69' EXIST ROW VARIES
72'-90' PROP ROW VARIES
71'-73' PROP ROW VARIES
21'-42' VARIES
40' ROADWAY
22' MEDIAN
40' ROADWAY
20'-22' VARIES
PROPOSED ROW
10'
4' BUFFER
4' C.Z.
2'
12' LANE
12' LANE
12' LANE
11'
11'
2.0%
1.0%
BUFFER SUP
TY II CURB
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

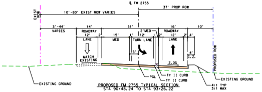
PROPOSED FM 2755 TYPICAL SECTION
STA 76+99.08 TO STA 84+59.39


℄ FM 2755
22'-50' VARIES
EXIST ROW
85' EXIST ROW
8'-48' EXIST ROW VARIES
71' PROP ROW
34'
40' ROADWAY
40'-56' VARIES ROADWAY
20'
1'-2' SH
0'-4'
2'
12'
2'-22' MEDIAN
0'-12'
8'-12'
MED
LANE
10' 4' 4'
SUP BUFFER
4' C.Z.
BUFFER SUP
2.0%
1.0%
PGL
TY II CURB
4:1 TYP 3:1 MAX
EXISTING GROUND
PROPOSED ROW

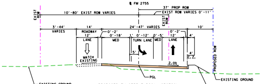
PROPOSED FM 2755 TYPICAL SECTION
STA 84+59.39 TO STA 85+59.39


℄ FM 2755
27'-86' VARIES
142'-195' PROP ROW VARIES
19'-41' VARIES
EXIST ROW
10'-44' EXIST ROW VARIES
5'-284' EXIST ROW VARIES
71'-106' PROP ROW VARIES
71'-89' PROP ROW VARIES
20'-55' VARIES
40' ROADWAY
22'
40' ROADWAY
20'-38' VARIES
2' MED
12' TURN LANE
1' 6' MED
4'-12' MED
TURN LANE
LANE
10' SUP
4' BUFFER
4' C.Z.
5'
2:1
2.0%
1.0%
TY II CURB
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND
PROPOSED ROW

PROPOSED FM 2755 TYPICAL SECTION
STA 85+59.39 TO STA 88+99.36

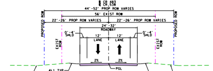

℄ FM 2755
37' PROP ROW
EXIST ROW
10'-80' EXIST ROW VARIES
3'-44' VARIES
14' ROADWAY
31'
16' ROADWAY
10'
2' MED
12' LANE
15' MED
1'
12' TURN LANE
12' LANE
4'
4' C.Z.
5'
MATCH EXISTING
2.0%
PGL
TY II CURB
EXISTING GROUND
4:1 TYP 3:1 MAX
PROPOSED ROW

PROPOSED FM 2755 TYPICAL SECTION
STA 90+48.24 TO STA 93+26.22

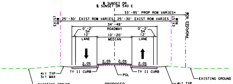

℄ FM 2755
37' PROP ROW
EXIST ROW VARIES 0'-11'
EXIST ROW
10'-80' EXIST ROW VARIES
3'-44' VARIES
14' ROADWAY
24'-47' VARIES
10'
0'-2'
12' LANE
0'-18' MED
1'
0'-12' TURN LANE
0'-5' MED
12' LANE
4'
4' C.Z.
5'
MATCH EXISTING
2.0%
PGL
EXISTING GROUND
4:1 TYP 3:1 MAX
PROPOSED ROW

PROPOSED FM 2755 TYPICAL SECTION
STA 93+26.22 TO STA 94+54.98

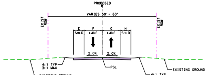
PROPOSED TYPICAL SECTIONS - CROSS STREETS


℄ CR 483
℄ CR 538
44'-52' PROP ROW VARIES
56' EXIST ROW
22'-26' PROP ROW VARIES
22'-26' PROP ROW VARIES
24'-32' ROADWAY
0'-4' SHLD
12' LANE
12' LANE
2%
PROPOSED ROW
EXIST ROW
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

PROPOSED
TYPICAL SECTION
CR 483 STA 10+51.00 TO STA 12+94.00
CR 538 STA 10+51.00 TO STA 12+70.00

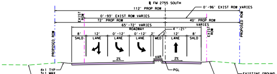

℄ SUNSET DR
℄ SUNSET DR 540 E
33'-95' PROP ROW VARIES*
25'-30' EXIST ROW VARIES
25'-30' EXIST ROW VARIES
34'-48' ROADWAY
0'-2' SH
12' LANE
10'-20' MEDIAN
12' LANE
2.0%
EXIST ROW
PROPOSED ROW
TY II CURB
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

PROPOSED
TYPICAL SECTION
SUNSET DR STA 10+66.33 TO STA 10+92.37
CR 540 E STA 10+52.98 TO STA 11+40.29 * PROP ROW FOR CR 540 E

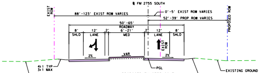

PROPOSED ℄
VARIES 50' - 60'
EXIST ROW
E SHLD
F LANE
G LANE
H SHLD
2.0%
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

PROPOSED TYPICAL SECTION
SUNSET DR
CR 540 W
CR 540 E

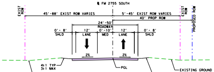
	E (ft)	F (ft)	G (ft)	H (ft)	STA TO STA
SUNSET DR	0-2	12-17	12-17	0-2	STA 10+51.00 TO STA 10+66.33 STA 10+92.37 TO STA 12+75.00
CR 540 W	0-2	12	12	0-2	STA 10+51.00 TO STA 11+34.00
CR 540 E	0-2	12	12	0-2	STA 11+40.29 TO STA 12+35.00


℄ FM 2755 SOUTH
112' PROP ROW
0'-96' EXIST ROW VARIES
0'-93' EXIST ROW VARIES
72' PROP ROW
40' PROP ROW VARIES
65'-72' VARIES ROADWAY
4'-21'
8' SHLD
12' LANE
0'-12' LANE
0'-12' LANE
2'
MED
12' LANE
8' SHLD
VAR
2%
EXIST ROW
PROPOSED ROW
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

PROPOSED FM 2755 SOUTH
TYPICAL SECTION
STA 10+51.00 TO STA 15+49.80


℄ FM 2755 SOUTH
88'-123' EXIST ROW VARIES
0'-5' EXIST ROW VARIES
52'-39' PROP ROW VARIES
50'-65' ROADWAY
8' SHLD
12' LANE
2'
6'-21' MED
12' LANE
8' SHLD
VAR
2%
EXIST ROW
PROPOSED ROW
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

PROPOSED FM 2755 SOUTH
TYPICAL SECTION
STA 15+49.80 TO STA 18+61.03


℄ FM 2755 SOUTH
45'-88' EXIST ROW VARIES
5'-45' EXIST ROW VARIES
40' PROP ROW
24'-50' ROADWAY
0'- 8' SHLD
12' LANE
0'-10' MED
12' LANE
0'- 8' SHLD
2%
EXIST ROW
PROPOSED ROW
PGL
4:1 TYP 3:1 MAX
EXISTING GROUND

PROPOSED FM 2755 SOUTH
TYPICAL SECTION
STA 18+61.03 TO STA 21+85.00

DALLAS DISTRICT

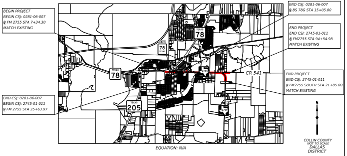
CEASON G. CLEMENS, P.E. - DISTRICT ENGINEER
DESIGN SCHEMATIC 60%

FM 2755
COLLIN COUNTY

CSJ: 0281-06-007
BS 78G FROM SH 78 TO FM 2755
CSJ: 2745-01-011
FM 2755 FROM BS 78G TO CR 541
PROJECT TOTAL LENGTH: 1.65 MILES

EXISTING ADT	11,395 (YEAR 2024)
PROJECTED ADT	26,405 (YEAR 2055)

ROADWAY NAME	DESIGN SPEED	FUNCTIONAL CLASSIFICATION
BS 78G (FROM SH 78 TO FM 2755)	45 MPH	URBAN MINOR COLLECTOR
FM 2755 (FROM BS 78G TO CR 541)	45 MPH	URBAN MAJOR COLLECTOR
BS 78 / MAIN ST	40 MPH	URBAN MINOR COLLECTOR
CR 483, CR 541 / WATKINS RD	40 MPH	URBAN MINOR ARTERIAL
GEREN DR, LAKE RD, SUNSET DR, CR 540 W, CR 540 E	30 MPH	URBAN LOCAL
PRESIDENTS BLVD, LINCOLN AVE, FAWN LN, CR 538	20 MPH	URBAN LOCAL
BURNETT DR, MUSTANG CT, WOLF RUN CT	15 MPH	URBAN LOCAL


TEXAS 78
78 TEXAS
TEXAS 205
2755
CR 541
N

BEGIN PROJECT
BEGIN CSJ: 0281-06-007
℄ FM 2755 STA 7+34.30
MATCH EXISTING

END CSJ: 0281-06-007
BEGIN CSJ: 2745-01-011
℄ FM 2755 STA 35+63.97

END CSJ: 0281-06-007
℄ BS 78G STA 15+05.00

END PROJECT
END CSJ: 2745-01-011
℄ FM2755 STA 94+54.98
MATCH EXISTING

END PROJECT
END CSJ: 2745-01-011
℄ FM2755 SOUTH STA 21+85.00
MATCH EXISTING

EQUATION: N/A

COLLIN COUNTY
NOT TO SCALE
DALLAS
DISTRICT

PRELIMINARY

SUBJECT TO CHANGE
BASED ON FURTHER
DEVELOPMENTS RESULTING
FROM PUBLIC INPUT AND
TECHNICAL REVIEW.
NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.

DATE APPROVED

DATE SUBMITTED

DATE REVISED

DATE: JULY, 2025
PREPARED BY HNTB
UNDER THE SUPERVISION OF:
RYAN LAGSDING, P.E.

0 50 100
HORIZONTAL
0 5 10
VERTICAL

SERIAL NO. 113021

ROLL 2 OF 3

HNTB Corporation
The HNTB Companies
Engineers Architects Planners
TBPELS Firm Registration No. 420