Texas Department of Transportation

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DALLAS DISTRICT
DESIGN SCHEMATIC

CEASON CLEMENS, P.E.,
DISTRICT ENGINEER

US 380 PRINCETON
COLLIN COUNTY, TEXAS

PROJECT LIMIT: FROM FM 1827 TO CR 560
LENGTH OF PROJECT (APPROX.) = 11.7 MI (61,935.0 LF)
ROADWAY = 7.7 MI (40,817.50 LF) BRIDGE = 4.0 MI (21,117.50 LF)

CSJ 0135-03-056 (1.07 MI)
FROM FM 1827 TO JCT US 380/W. PRINCETON DRIVE

CSJ 0135-16-002 (6.83 MI)
FROM JCT US 380/W. PRINCETON DRIVE
TO JCT US 380/E. PRINCETON DRIVE

CSJ 0135-04-036 (3.81 MI)
FROM JCT US 380/E. PRINCETON DRIVE TO CR 560

ROADWAY TYPE	FUNCTIONAL CLASS	DESIGN SPEED
US 380 MAINLANES	URBAN FREEWAY	70 MPH
US 380 RAMPS	URBAN FREEWAY	50 MPH
US 380 FRONTAGE ROADS	URBAN COLLECTOR	45 MPH
US 380 U-TURNS	URBAN COLLECTOR	20 MPH
US 380 TRANSITION	URBAN PRINCIPAL ARTERIAL	60 MPH
E AND W PRINCETON DR	URBAN PRINCIPAL ARTERIAL	45 MPH
CR 458	URBAN PRINCIPAL ARTERIAL	40 MPH
CR 408, FUTURE PRINCETON PKWY	URBAN MAJOR COLLECTOR	40 MPH
FUTURE ROAD/TWIN GROVE PARK RD (20 MPH WITHIN PARK)	URBAN MAJOR COLLECTOR	30 MPH
CR 404	URBAN MAJOR ARTERIAL	40 MPH
FM 75, FM 1377	URBAN MAJOR ARTERIAL	45 MPH
CR 559	URBAN MAJOR ARTERIAL	30 MPH
CR 330E, CR 337, CR 406, CR 463, CR 492, CR 985, CR 557	URBAN LOCAL	30 MPH
PROPOSED LOCAL ROAD, McKISSICK DR, BIGGS RD, COLLEGE ST, CADDO PARK RD	URBAN LOCAL	30 MPH
CR 1084, CR 407, ISLAND WAY, CALMWATER COVE	URBAN LOCAL	25 MPH
CR 330W	URBAN LOCAL	20 MPH

NOTE: DESIGN SPEEDS APPLY UNLESS OTHERWISE NOTED ON SCHEMATIC.

TRAFFIC DATA
ADT (2030) = 78,125 % TRUCKS: ADT = 4.2
ADT (2050) = 119,650 DHV = 3.4
ADT (2060) = 134,675 K = 8.9
DD = 58

SOURCE: TxDOT TRANSPORTATION PROGRAMMING AND PLANNING DIVISION
MEMO DATED: AUGUST 31, 2020

SCALE: 1"=200' H, 1"=20' V DECEMBER 2023

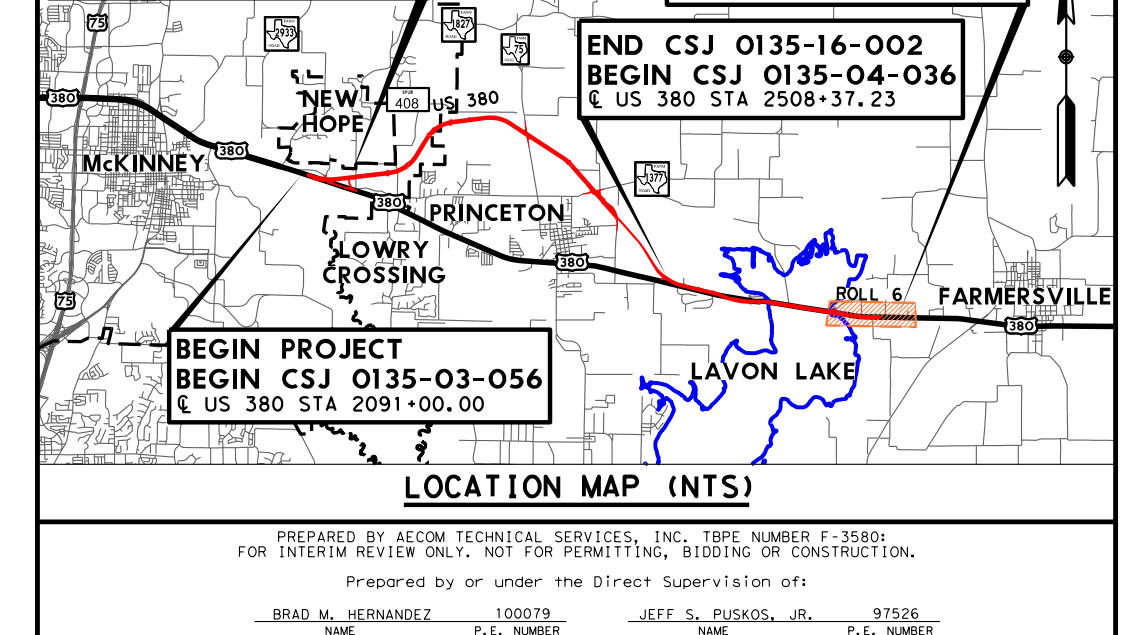
DISTRICT: DALLAS
COUNTY: COLLIN
DATE: DECEMBER 2023

US 380 PRINCETON
100% DESIGN SCHEMATIC

ROLL 6 OF 13

LEGEND:

- EXISTING PAVEMENT
- PROPOSED INTERIM PAVEMENT
- PROPOSED BRIDGE
- PROPOSED MAINLANES
- PROPOSED RAMP
- PROPOSED FRONTAGE ROAD
- PROPOSED DRIVEWAY (REPLACE)
- PROPOSED CROSS STREET
- PROPOSED SHARED USE PATH
- PROPOSED RAISED MEDIAN
- PROPOSED CONCRETE RIPRAP
- DISPLACEMENTS
- PAVEMENT/BRIDGE REMOVAL
- 100-YR FLOOD PLAIN
- USACE AND PARKS
- LAKE
- WETLAND
- EXISTING SIGNAL
- 100 PARCEL ID
- EXISTING DIRECTION OF TRAVEL
- PROPOSED DIRECTION OF TRAVEL
- DRAINAGE FLOW
- EXISTING PROPERTY LIMITS
- EXISTING EASEMENT
- PROPOSED EASEMENT (USACE)
- EXISTING ROW
- PROPOSED ROW
- EXISTING CULVERT CROSSING
- PROPOSED CULVERT CROSSING
- PROPOSED CENTERLINE/BASELINE
- PROPOSED ACCESS DENIAL
- PROPOSED DRILLED SHAFT WALL
- PROPOSED NOISE WALL
- PROPOSED RETAINING WALL
- PROPOSED SSCB
- CITY LIMIT
- PROPOSED DITCH
- CATV1 CATV1 SPECTRUM
- CATV1(D) CATV1 SPECTRUM
- E2 ELECTRIC GCEC
- E2(D) ELECTRIC GCEC
- E1 ELECTRIC ONCOR
- E1(D) ELECTRIC ONCOR
- OHE ELECTRIC OVERHEAD
- E3 ELECTRIC TNMP
- E3(D) ELECTRIC TNMP
- FOC3 FIBER OPTIC ATT
- FOC3(D) FIBER OPTIC ATT
- FOC9 FIBER OPTIC SPECTRUM
- FOC10(D) FIBER OPTIC SUDDENLINK
- FOC1(D) FIBER OPTIC TX GAS UTILITY
- FOC4(D) FIBER OPTIC UPN
- FOC2 FIBER OPTIC ZAYO
- FOC2(D) FIBER OPTIC ZAYO
- FM2(D) FORCE MAIN CITY OF FARMERSVILLE
- FM1(D) FORCE MAIN CITY OF PRINCETON
- G1 GAS ATMOS
- G1(D) GAS ATMOS
- G2 GAS SIENERGY
- G2(D) GAS SIENERGY
- PL1(D) PIPELINE ATMOS MIDTX
- SD2 STORM DRAIN COUNTY
- SD2(D) STORM DRAIN COUNTY
- SD1 STORM DRAIN TXDOT
- SD1(D) STORM DRAIN TXDOT
- T1 TELEPHONE ATT
- T1(D) TELEPHONE ATT
- WW2(D) WASTEWATER CITY OF FARMERSVILLE
- WW1 WASTEWATER CITY OF PRINCETON
- WW1(D) WASTEWATER CITY OF PRINCETON
- W5(D) WATER CULLEUKA WSC
- W2 WATER CITY OF FARMERSVILLE
- W2(D) WATER CITY OF FARMERSVILLE
- W3(D) WATER MILLIGAN WSC
- W4(D) WATER NORTH COLLINS SUD
- W6 WATER NTMWD
- W6(D) WATER NTMWD
- W1(D) WATER CITY OF PRINCETON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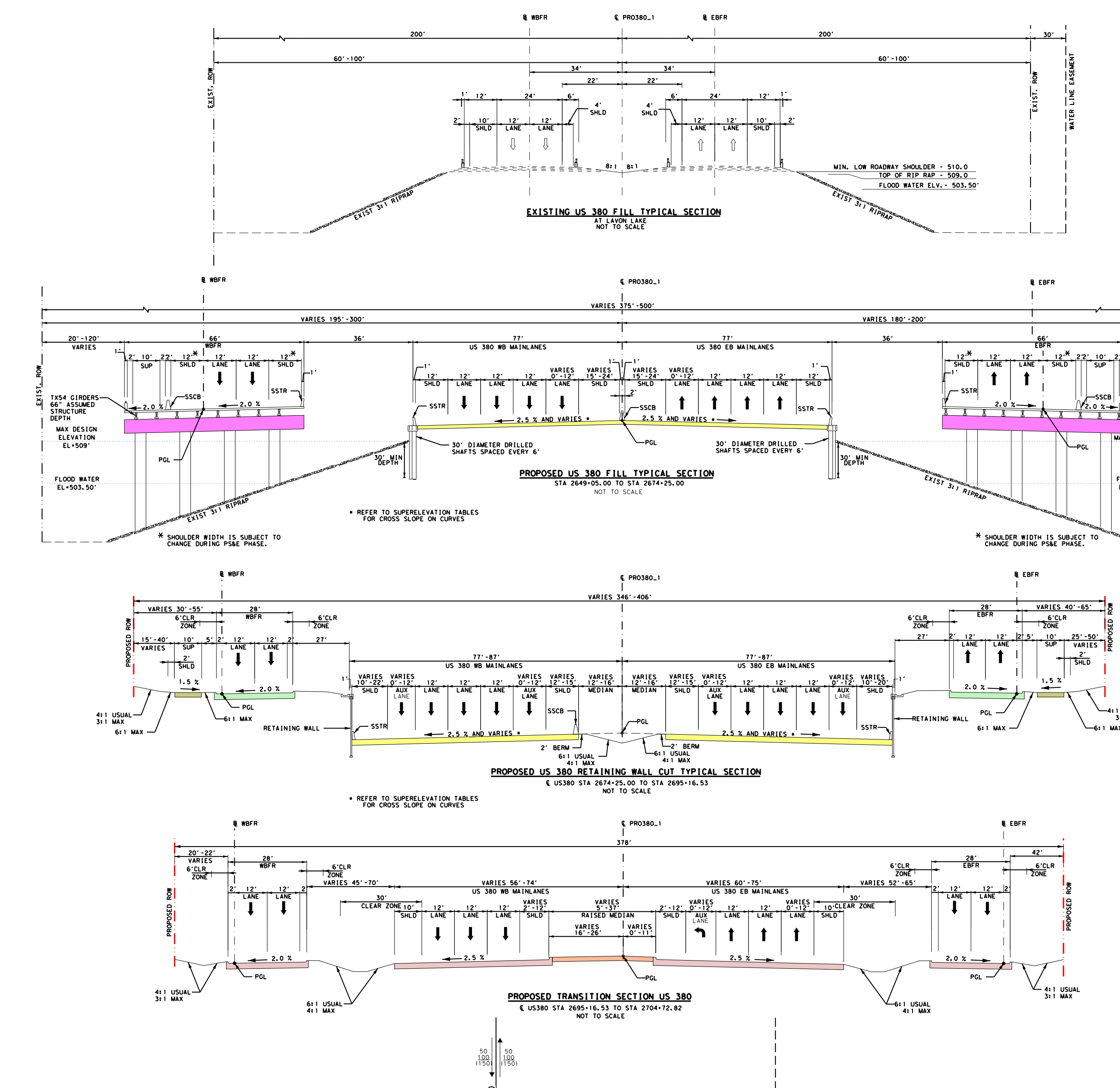
BEGIN CSJ 0135-16-002
℄ US 380 STA 2147+37.23
END CSJ 0135-04-036
END PROJECT
℄ US 380 STA 2709+35.00
END CSJ 0135-16-002
BEGIN CSJ 0135-04-036
℄ US 380 STA 2508+37.23
BEGIN PROJECT
BEGIN CSJ 0135-03-056
℄ US 380 STA 2091+00.00
McKINNEY
NEW HOPE
PRINCETON
LOWRY CROSSING
LAVON LAKE
FARMERSVILLE
ROLL 6
380
75

LOCATION MAP (NTS)

PREPARED BY AECOM TECHNICAL SERVICES, INC. TBPE NUMBER F-3580;
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
BRAD M. HERNANDEZ 100079 JEFF S. PUSKOS, JR. 97526
NAME P.E. NUMBER NAME P.E. NUMBER

AECOM
13355 NOEL ROAD
SUITE 400
DALLAS, TEXAS 75240
214-741-7777

TXDOT DALLAS DISTRICT
DESIGN SCHEMATIC APPROVED
DATE: 12-10-2023

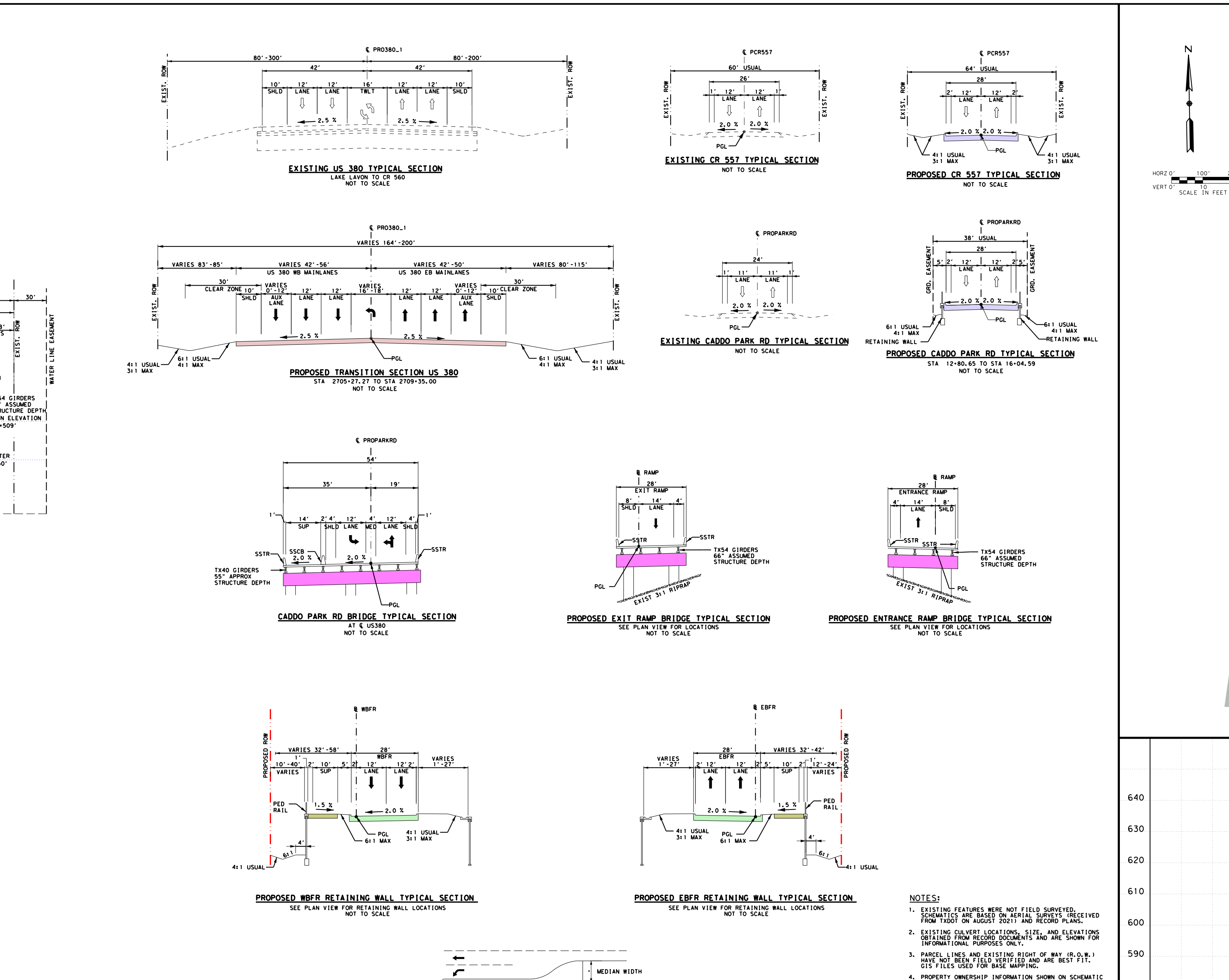

℄ WBFR
℄ PRO380_1
℄ EBFR
200'
30'
60'-100'
34'
22'
4' SHLD
12' LANE
10' SHLD
EXIST. ROW
WATER LINE EASEMENT
EXIST 3:1 RIPRAP
MIN. LOW ROADWAY SHOULDER - 510.0
TOP OF RIP RAP - 509.0
FLOOD WATER ELV. - 503.50'
VARIES 375'-500'
VARIES 195'-300'
VARIES 180'-200'
20'-120' VARIES
66'
77'
36'
US 380 WB MAINLANES
US 380 EB MAINLANES
SUP
SSCB
SSTR
TX54 GIRDERS 66" ASSUMED STRUCTURE DEPTH
MAX DESIGN ELEVATION EL+509'
FLOOD WATER EL+503.50'
PGL
30' DIAMETER DRILLED SHAFTS SPACED EVERY 6'
30' MIN DEPTH
2.5 % AND VARIES *
* REFER TO SUPERELEVATION TABLES FOR CROSS SLOPE ON CURVES
* SHOULDER WIDTH IS SUBJECT TO CHANGE DURING PS&E PHASE.
VARIES 346'-406'
VARIES 30'-55'
28'
6' CLR ZONE
77'-87'
PROPOSED ROW
RETAINING WALL
4:1 USUAL 3:1 MAX
6:1 MAX
2' BERM
378'
VARIES 56'-74'
VARIES 60'-75'
RAISED MEDIAN
30' CLEAR ZONE

EXISTING US 380 FILL TYPICAL SECTION
AT LAVON LAKE
NOT TO SCALE

PROPOSED US 380 FILL TYPICAL SECTION
STA 2649+05.00 TO STA 2674+25.00
NOT TO SCALE

PROPOSED US 380 RETAINING WALL CUT TYPICAL SECTION
℄ US380 STA 2674+25.00 TO STA 2695+16.53
NOT TO SCALE

PROPOSED TRANSITION SECTION US 380
℄ US380 STA 2695+16.53 TO STA 2704+72.82
NOT TO SCALE


℄ PRO380_1
80'-300'
42'
16'
10' SHLD
12' LANE
TWLT
EXIST. ROW
2.5 %
VARIES 164'-200'
VARIES 83'-85'
VARIES 42'-56'
VARIES 42'-50'
VARIES 80'-115'
US 380 WB MAINLANES
US 380 EB MAINLANES
30' CLEAR ZONE
AUX LANE
4:1 USUAL 3:1 MAX
6:1 USUAL 4:1 MAX
℄ PCR557
60' USUAL
26'
2.0 %
PGL
℄ PROPARKRD
64' USUAL
38' USUAL
GRD. EASEMENT
RETAINING WALL
54'
35'
19'
SUP
SSCB
SSTR
TX40 GIRDERS 55" APPROX STRUCTURE DEPTH
℄ RAMP
28'
EXIT RAMP
ENTRANCE RAMP
TX54 GIRDERS 66" ASSUMED STRUCTURE DEPTH
EXIST 3:1 RIPRAP
℄ WBFR
℄ EBFR
VARIES 32'-58'
VARIES 32'-42'
PED RAIL
PROPOSED ROW
1.5 %

EXISTING US 380 TYPICAL SECTION
LAKE LAVON TO CR 560
NOT TO SCALE

EXISTING CR 557 TYPICAL SECTION
NOT TO SCALE

PROPOSED CR 557 TYPICAL SECTION
NOT TO SCALE

PROPOSED TRANSITION SECTION US 380
STA 2705+27.27 TO STA 2709+35.00
NOT TO SCALE

EXISTING CADDO PARK RD TYPICAL SECTION
NOT TO SCALE

PROPOSED CADDO PARK RD TYPICAL SECTION
STA 12+80.65 TO STA 16+04.59
NOT TO SCALE

CADDO PARK RD BRIDGE TYPICAL SECTION
AT ℄ US380
NOT TO SCALE

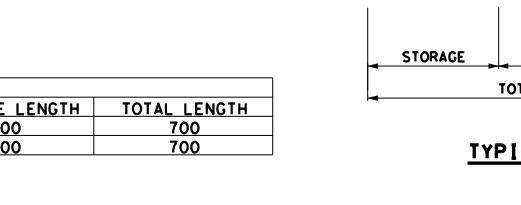
PROPOSED EXIT RAMP BRIDGE TYPICAL SECTION
SEE PLAN VIEW FOR LOCATIONS
NOT TO SCALE

PROPOSED ENTRANCE RAMP BRIDGE TYPICAL SECTION
SEE PLAN VIEW FOR LOCATIONS
NOT TO SCALE

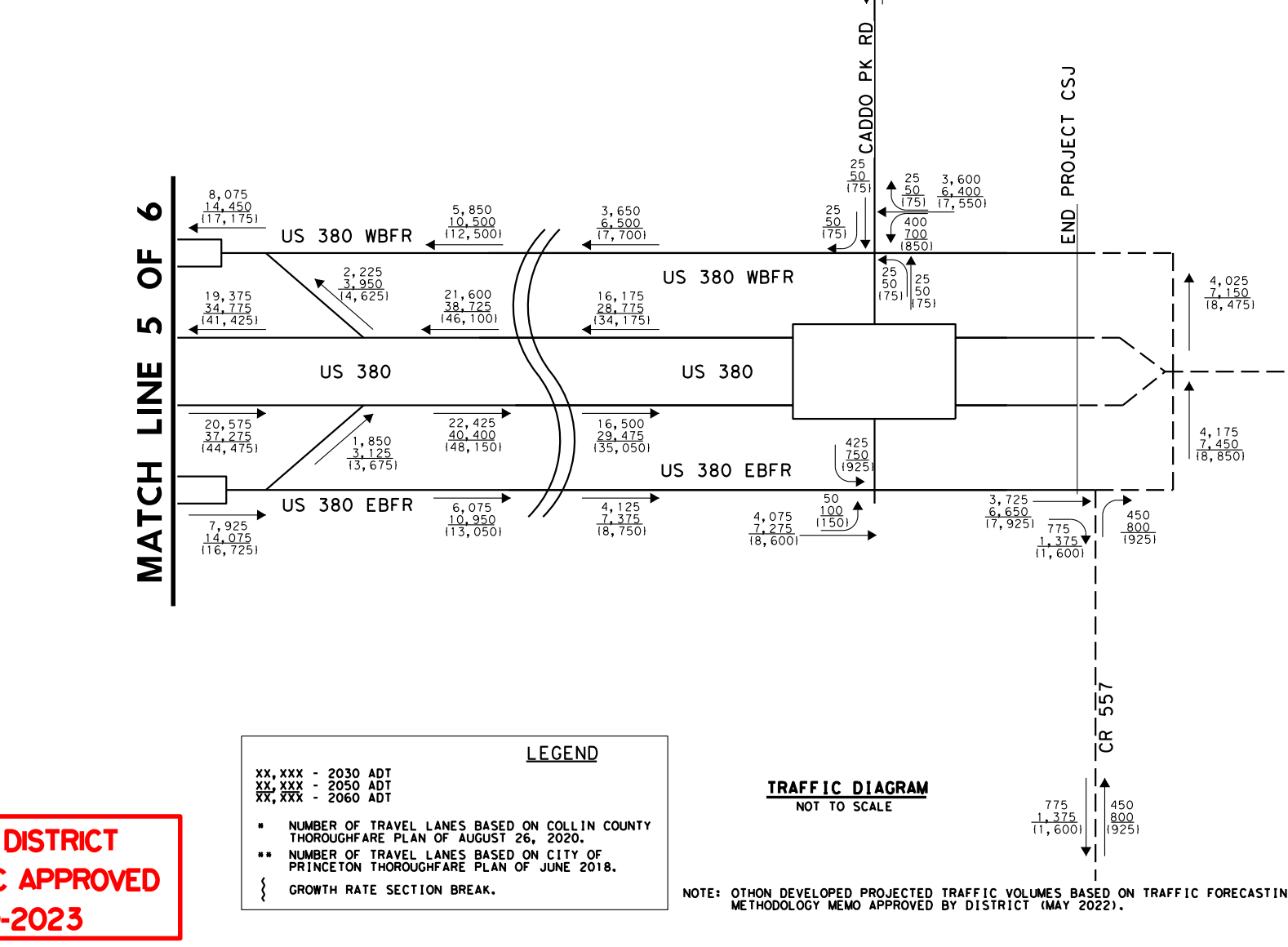
PROPOSED WBFR RETAINING WALL TYPICAL SECTION
SEE PLAN VIEW FOR RETAINING WALL LOCATIONS
NOT TO SCALE

PROPOSED EBFR RETAINING WALL TYPICAL SECTION
SEE PLAN VIEW FOR RETAINING WALL LOCATIONS
NOT TO SCALE

TURN BAY LENGTHS				
LOCATION	TAPER LENGTH	DECEL LENGTH	STORAGE LENGTH	TOTAL LENGTH
L15	100	600	100	700
L24	100	600	100	700


MEDIAN WIDTH
TAPER
STORAGE
DECELERATION
TOTAL LENGTH

TYPICAL TURN LANE LENGTH


MATCH LINE 5 OF 6
US 380 WBFR
US 380
US 380 EBFR
CADDO PK RD
END PROJECT CSJ
CR 560
CR 557
5,850 10,500 (12,500)
3,650 6,500 (7,700)
8,075 14,450 (17,175)
19,175 34,225 (41,425)
20,575 37,225 (44,475)
7,925 14,025 (16,725)
21,600 38,525 (46,100)
22,425 40,625 (48,150)
16,175 28,750 (34,175)
16,500 29,475 (35,050)
4,025 7,150 (8,475)
4,175 7,450 (8,850)
19,975 35,525 (42,175)
20,450 36,500 (43,375)
20,225 35,975 (42,725)
20,650 36,875 (43,825)

LEGEND	
XX,XXX - 2030 ADT XX,XXX - 2050 ADT (XX,XXX) - 2060 ADT	
*	NUMBER OF TRAVEL LANES BASED ON COLLIN COUNTY THOROUGHFARE PLAN OF AUGUST 26, 2020.
**	NUMBER OF TRAVEL LANES BASED ON CITY OF PRINCETON THOROUGHFARE PLAN OF JUNE 2018.
⟩⟨	GROWTH RATE SECTION BREAK.

TRAFFIC DIAGRAM
NOT TO SCALE

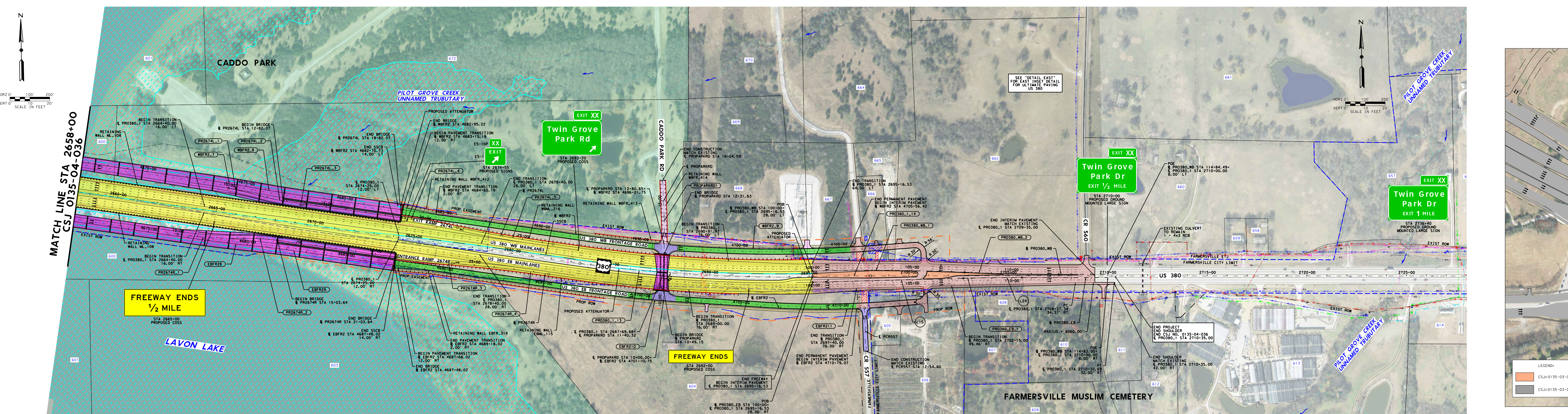
NOTE: OTHON DEVELOPED PROJECTED TRAFFIC VOLUMES BASED ON TRAFFIC FORECASTING METHODOLOGY MEMO APPROVED BY DISTRICT (MAY 2022).

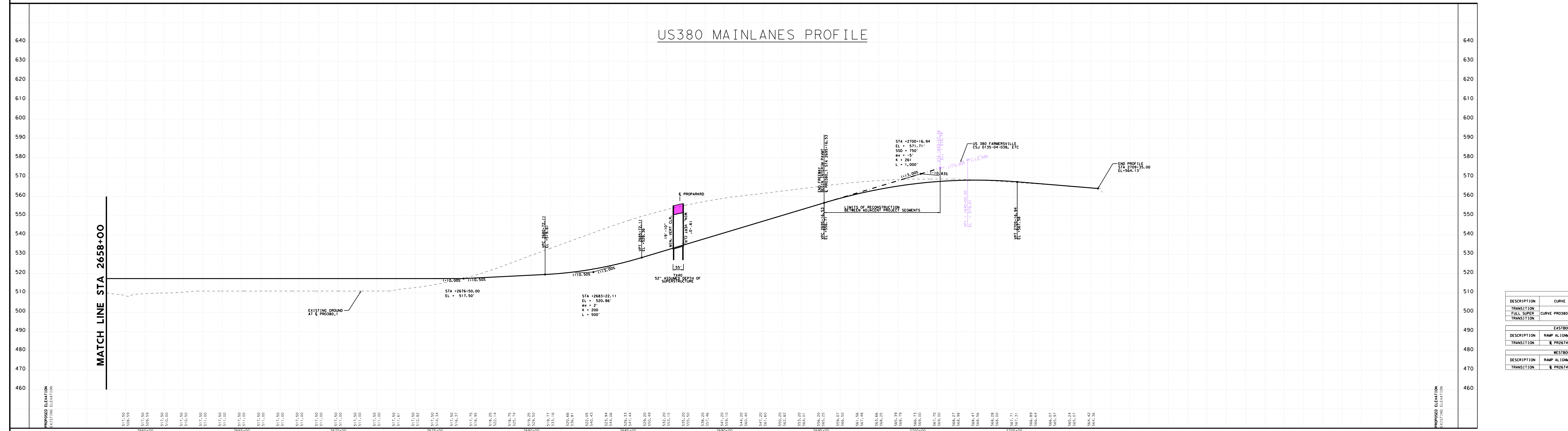
PROPERTY OWNERS		
PARCEL	OWNER	OCCUPANT
603	USA	FEDERAL LAND
604	GOLDBLATT, JAMES R	OPEN-SPACE AGRCULTURAL LAND
605	UNITED STATES OF AMERICA EASTERN DISTRICT OF TEXAS, SHERMAN DIV	LAKEVIEW NURSEY
606	UNITED STATES OF AMERICA EASTERN DISTRICT OF TEXAS, SHERMAN DIV	LAKEVIEW NURSEY
607	UNITED STATES OF AMERICA EASTERN DISTRICT OF TEXAS, SHERMAN DIV	FEDERAL LAND
608	A & A LANDSCAPE & IRRIGATION LP	VACANT
609	ISLAMIC ASSOCIATION OF COLLIN COUNTY (IACC)	CEMETARY
610	KHADEMI, ROYA S	VACANT
611	ISLAMIC ASSOCIATION OF COLLIN COUNTY (IACC)	CEMETARY
612	MLH LAND HOLDINGS LLC	VACANT
613	EVANS FARM LTD	HOME GROWN PLANTS
614	HERITAGE OPERATING LP	TRENTON LPG GAS
615	MIKKILINENI SIVA P & BABITA	VACANT
616	MIKKILINENI LLC	VACANT
617	DLG RANCH LLC	VACANT
618	NOVEM REALTY LCC	COMMERCIAL
619	FMP5 LLC	VACANT
620	O'REILLY AUTO ENTERPRISES LLC	O'REILLY AUTO PARTS
621	BAUEN VARGA INVESTMENTS LLC	VACANT
622	PALLADIUM FARMERSVILLE LTD	PALLADIUM APARTMENTS TC
623	BROOKSHIRE GROCERY CO	BROOKSHIRE'S W/ FUEL STATION
624	AHMED HAIDER	VACANT
625	LOVELL INVESTMENTS LTD	VACANT
626	COLLIN COUNTY COMMUNITY COLLEGE DISTRICT	COLLIN COLLEGE
627	JMR FARMS LTD	VACANT
628	HARVEST PROPERTY HOLDINGS LLC	DENTAL OFFICE
629	FARMERSVILLE CENTER LLC	VACANT
630	MURPHYS INVESTMENTS LLC	VACANT
631	MURPHYS INVESTMENTS LLC	VACANT
632	MURPHYS INVESTMENTS LLC	VACANT
633	GEM LONG BEACH LLC	VACANT
634	GEM LONG BEACH LLC	SPEC CHEM
635	ARRAMBIDE JOSE	VACANT
636	R & P LEASING	CHAMPION CONTAINER COMPANY
637	R & P LEASING	CHAMPION CONTAINER COMPANY
638	R & P LEASING	CHAMPION CONTAINER COMPANY

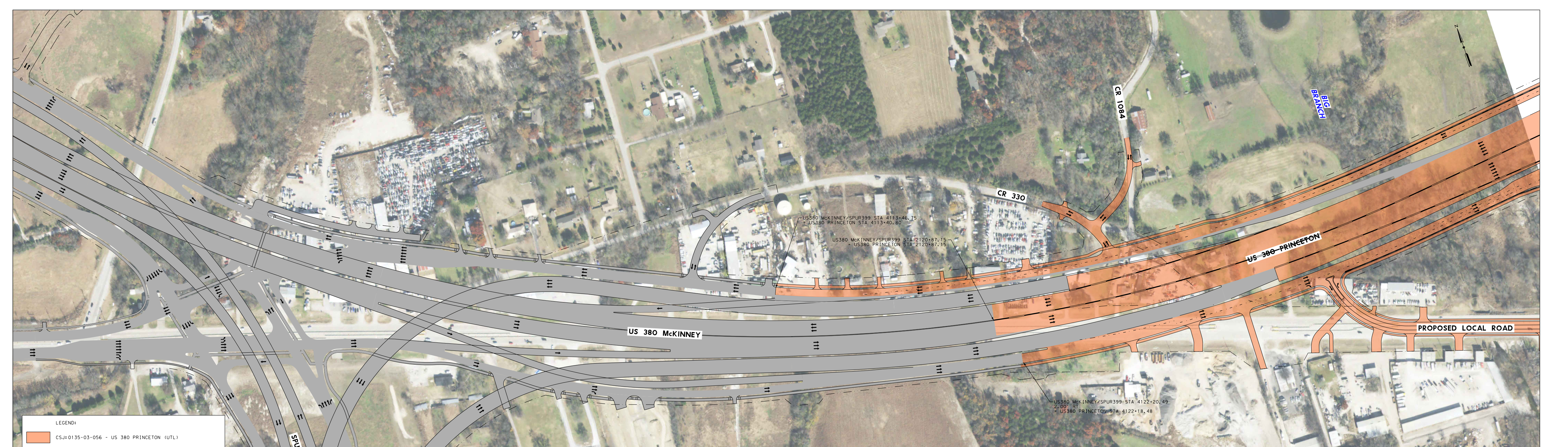
PROPERTY OWNERS		
PARCEL	OWNER	OCCUPANT
639	CITY OF FARMERSVILLE	CITY LAND
640	PENVESCO	VACANT
641	SHG LAND INVESTMENTS OF FARMERSVILLE LTD	VACANT
642	GEM LONG BEACH LLC	VACANT
643	AYALA CAPITAL INVESTMENTS LLC	VACANT
644	ZYK REALTY LCC	VACANT
645	ZYK REALTY LCC	SHELL/FARMERS FOOD & FUEL MARKET
646	FARMERSVILLE NH REALTY LTD	LEXINGTON MEDICAL LODGE
647	MNP REALITY LLC	VACANT
648	FARMERSVILLE DEVELOPERS LLC	VACANT
649	FARMERSVILLE PFC	VACANT
650	FARMERSVILLE DEVELOPERS LLC	VACANT
651	FARMERSVILLE DEVELOPERS LLC	VACANT
652	VILLALBA JESUS TAPIA &	VACANT
653	VILLALVA ALEJANDRO TAPIA &	RESIDENTIAL
654	JONES PERRY & KIMBERLY	RESIDENTIAL
655	MIDKIFF THOMAS O IV	VACANT
656	STEPHENSON DAVID & LISA M	RESIDENTIAL
657	M252 LCC	RESIDENTIAL
658	DICKEY, PAMELA LOURENA	RESIDENTIAL
659	DICKEY, BOBBY	RESIDENTIAL
660	FARMERSVILLE LAKESIDE DEVELOPMENT LLC	RESIDENTIAL
661	FARMERSVILLE LAKESIDE DEVELOPMENT LLC	RESIDENTIAL
662	HENDRICKS, MONT	OPEN-SPACE AGRCULTURAL LAND
663	BREECHER LAWRENCE & LAWRENCE PATRIC BREECHER &	VACANT
664	KALACAKRA BUDDHA ASSOC	KALACHAKRA MEDITATION CENTER
665	VIWA LLC	VACANT
666	VIWA LLC	RESIDENTIAL
667	TEXAS-NEW MEXICO POWER COMPANY	UTILITY
668	TEXAS-NEW MEXICO POWER COMPANY	UTILITY
669	TEXAS-NEW MEXICO POWER COMPANY	UTILITY
670	KALACAKRA BUDDHA ASSOC	KALACHAKRA MEDITATION CENTER
671	USA	FEDERAL LAND
672	USA	FEDERAL LAND
673	USA	FEDERAL LAND

NOTES:

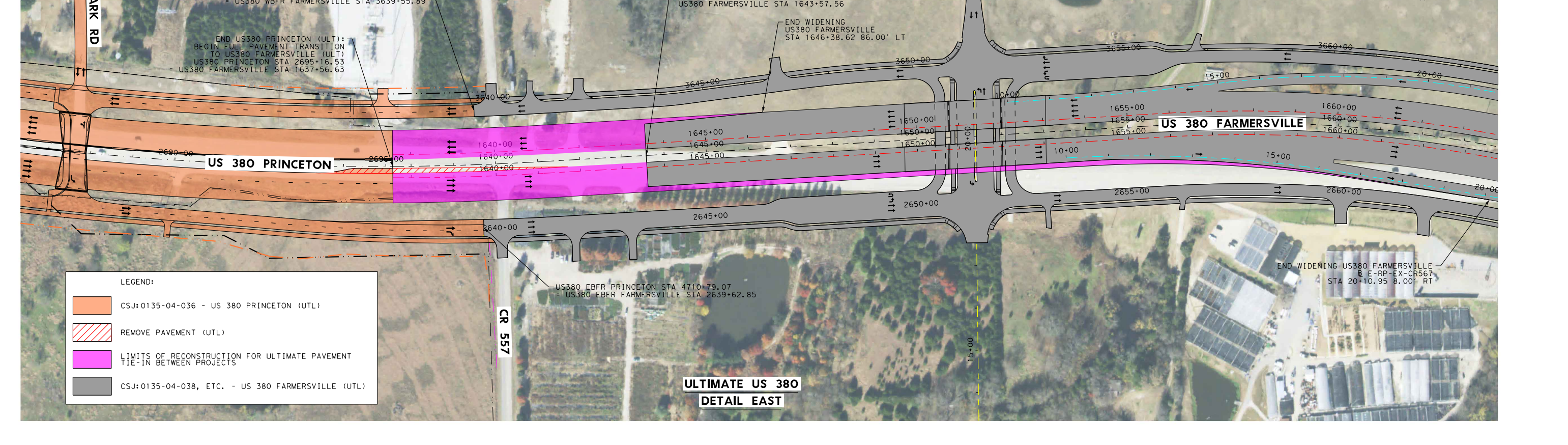
1. EXISTING FEATURES WERE NOT FIELD SURVEYED. SCHEMATICS ARE BASED ON AERIAL SURVEYS (RECEIVED FROM TXDOT ON AUGUST 2021) AND RECORD PLANS.
2. EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM RECORD DOCUMENTS AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.
3. PARCEL LINES AND EXISTING RIGHT OF WAY (R.O.W.) HAVE NOT BEEN FIELD VERIFIED AND ARE BEST FIT. GIS FILES USED FOR BASE MAPPING.
4. PROPERTY OWNERSHIP INFORMATION SHOWN ON SCHEMATIC OBTAINED FROM COLLIN COUNTY APPRAISAL DISTRICT (APRIL 25, 2022).
5. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS SHOWN ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS (FIRM). EXISTING CULVERT LOCATIONS, SIZE, AND ELEVATIONS OBTAINED FROM SURVEY AND RECORD DOCUMENTS. SEE HYDROLOGIC/HYDRAULIC REPORT FOR US 380 FOR MORE INFORMATION.
6. EXISTING DRIVEWAY ACCESS WILL REMAIN UNLESS IT IS DETERMINED THAT THE DRIVEWAY IS A SAFETY ISSUE AND/OR IS LOCATED WITHIN DENIAL OF ACCESS LIMITS.
7. ALL PROPOSED DRIVEWAY REQUESTS WILL BE REVIEWED AND APPROVED THROUGH TXDOT'S AREA OFFICE IN ACCORDANCE WITH TXDOT'S ACCESS MANAGEMENT MANUAL.
8. BUILDINGS ARE SHOWN AS POTENTIAL DISPLACEMENT IF THE PROPOSED ROW PHYSICALLY INTERSECTS THE BUILDING STRUCTURE.
9. SCHEMATICS ARE BASED ON AERIAL AND DESIGN SURVEYS DATED AUGUST 2021, AS-BUILTS, AND GOOGLE EARTH IMAGERY DATED OCTOBER 2021.
10. DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR FACE OF CURB, RAIL, OR BARRIER UNLESS NOTED OTHERWISE.
11. CURBS ON THE FRONTAGE ROAD AND CROSS STREETS ARE TYPE II UNLESS NOTED OTHERWISE.
12. MAINLANE SUPERELEVATION AXIS OF ROTATION IS ABOUT THE CENTERLINE.
13. ALL SUPERELEVATION RATES WERE CALCULATED BASED ON USING A MAXIMUM SUPERELEVATION RATE OF 6%. SEE CHAPTER 2, SECTION 5 OF THE TXDOT ROADWAY DESIGN MANUAL FOR REFERENCE.
14. LOW SPEED ROADWAYS HAVE A NORMAL CROWN WITH 2% PAVEMENT CROSS SLOPES AND HIGH SPEED MAINLANES HAVE A NORMAL CROWN WITH 2.5% PAVEMENT CROSS SLOPE UNLESS NOTED OTHERWISE IN THE SUPERLEVATION TABLES.
15. SEE INTERSECTION DESIGN DETAIL ON ROLL 1 FOR CORNER RADII. MINOR CROSS STREET CORNER RADII ARE 30' UNLESS NOTED OTHERWISE ON THE SCHEMATIC PLAN VIEW.
16. APPROXIMATE 100 YEAR FLOODPLAIN LIMITS ARE BASED ON FEMA FLOOD INSURANCE RATE MAPS.
17. CURB RAMPS, SIDEWALKS AND SHARED USE PATHS ARE SHOWN FOR PLANNING PURPOSES ONLY AND WILL BE DESIGNED DURING PS&E. SIDEWALKS AND SHARED USE PATHS ARE SHOWN ON TYPICAL SECTIONS.
18. WB-67 DESIGN VEHICLE WAS USED IN EVALUATION OF TURNING MOVEMENTS. CORNER RADII MAY VARY AT INTERSECTIONS DUE TO DIFFERENCES IN SKEW.
19. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) ARE NOT SHOWN AND WILL BE DEVELOPED DURING THE PS&E PHASE OF THE PROJECT.
20. A TRAFFIC SIGNAL WARRANT ANALYSIS TO JUSTIFY TRAFFIC SIGNAL INSTALLATION WILL BE PERFORMED DURING PS&E.
21. TRANSITION LENGTHS FOR DROP/ADD LANES ARE BASED ON DESIGN SPEED WHERE APPLICABLE. FOR DROP LANE SCENARIO, A 840 FOOT TRANSITION LENGTH IS SHOWN ALONG MAINLANES (70 MPH) AND 540 FOOT TRANSITION LENGTH IS SHOWN SHOWN ALONG FRONTAGE ROADS (45 MPH). FOR ADD SCENARIO, 420 FOOT IS SHOWN ALONG MAINLANES AND 270 FOOT IS SHOWN ALONG FRONTAGE ROADS.


MATCH LINE STA 2658+00
CSJ 0135-04-036
CADDO PARK
PILOT GROVE CREEK UNNAMED TRUBUTARY
LAVON LAKE
FREEWAY ENDS 1/2 MILE
STA 2665+00 PROPOSED COSS
EXIT XX
Twin Grove Park Rd
STA 2683+20 PROPOSED COSS
CADDO PARK RD
FREEWAY ENDS
STA 2692+00 PROPOSED COSS
US 380 WB MAINLANES
US 380 EB MAINLANES
US 380 WB FRONTAGE ROAD
US 380 EB FRONTAGE ROAD
EXIT RAMP 2674L
ENTRANCE RAMP 2674R
380
CR 557
CR 560
US 380
FARMERSVILLE ETJ
FARMERSVILLE CITY LIMIT
FARMERSVILLE MUSLIM CEMETERY
Twin Grove Park Dr
EXIT 1/2 MILE
STA 2710+00 PROPOSED GROUND MOUNTED LARGE SIGN
EXIT 1 MILE
STA 2736+40 PROPOSED GROUND MOUNTED LARGE SIGN
SEE "DETAIL EAST" FOR EAST INSET DETAIL FOR ULTIMATE PAVING US 380
END PROJECT
END SHOULDER
END CSJ NO. 0135-04-036
℄ PRO380_1 STA 2710+35.00
EXIST ROW
PROP ROW
HORZ 0' 100' 200'
VERT 0' 10' 20'
SCALE IN FEET
N




CR 1084
CR 330
BIG BRANCH
US 380 PRINCETON
US 380 McKINNEY
SPUR 399
PROPOSED LOCAL ROAD
LEGEND:
CSJ:0135-03-056 - US 380 PRINCETON (UTL)
CSJ:0135-03-053, ETC. - US 380 McKINNEY/SPUR 399 (UTL)

ULTIMATE US 380 & SPUR 399
DETAIL WEST

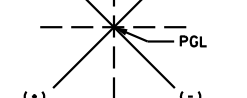

CADDO PARK RD
CR 560
CR 557
US 380 PRINCETON
US 380 FARMERSVILLE
END FULL PAVEMENT TRANSITION TO US380 FARMERSVILLE
END WIDENING
LEGEND:
CSJ:0135-04-036 - US 380 PRINCETON (UTL)
REMOVE PAVEMENT (UTL)
LIMITS OF RECONSTRUCTION FOR ULTIMATE PAVEMENT TIE-IN BETWEEN PROJECTS
CSJ:0135-04-038, ETC. - US 380 FARMERSVILLE (UTL)

ULTIMATE US 380
DETAIL EAST

US 380 MAINLANES SUPERELEVATION TRANSITION TABLE											
DESCRIPTION	CURVE	BEGIN TRANSITION (LT)		END TRANSITION (LT)		LENGTH	BEGIN TRANSITION (RT)		END TRANSITION (RT)		LENGTH
		STA	e	STA	e	FT	STA	e	STA	e	FT
TRANSITION	CURVE PRO380_1_13	2682+85.00	2.50%	2683+75.00	3.00%	90	2679+45.00	-2.50%	2685+45.00	3.00%	600
FULL SUPER		2683+75.00	3.00%	2694+87.00	3.00%		2685+45.00	3.00%	2693+17.00	3.00%	
TRANSITION		2694+87.00	3.00%	2695+77.00	2.50%	90	2693+17.00	3.00%	2699+17.00	-2.50%	600

EASTBOUND RAMP SUPERELEVATION TRANSITION TABLE						
DESCRIPTION	RAMP ALIGNMENT	BEGIN TRANSITION		END TRANSITION		LENGTH
		STA	e	STA	e	FT
TRANSITION	℄ PR2674R	19+83.64	-2.00%	21+03.64	-2.50%	120

WESTBOUND RAMP SUPERELEVATION TRANSITION TABLE						
DESCRIPTION	RAMP ALIGNMENT	BEGIN TRANSITION		END TRANSITION		LENGTH
		STA	e	STA	e	FT
TRANSITION	℄ PR2674L	17+62.07	2.00%	18+82.07	2.50%	120



SUPERELEVATION
SIGN DIAGRAM

RETAININGWALLS						
	BEGIN			END		
WALL	ALIGNMENT	STATION	OFFSET	ALIGNMENT	STATION	OFFSET
EBML_115	℄ PRO380_1	2674+21.55	113.00'RT	℄ PRO380_1	2691+46.42	87.00'RT
WBML_216	℄ PRO380_1	2674+21.72	113.00'LT	℄ PRO380_1	2695+16.53	87.00'LT
ML_108	℄ PRO380_1	2674+21.55	113.00'RT	℄ PRO380_1	2674+21.72	113.00'LT
EBFR_314	℄ EBFR2	4687+44.57	27.00'LT	℄ EBFR2	4698+20.03	20.00'RT
WBFR_412	℄ WBFR2	4682+91.94	27.00'RT	℄ WBFR2	4685+66.73	20.00'LT
WBFR_413	℄ WBFR2	4692+65.82	20.00'LT	℄ PROPARKRD	16+04.59	15.00'LT
WBFR_414	℄ PROPARKRD	12+96.68	16.53'RT	℄ PROPARKRD	16+04.59	15.00'RT

HORIZONTAL CURVE DATA													
ALIGNMENT	CURVE	PI STATION	PI NORTHING - N	PI EASTING - E	DELTA	RADIUS	DEGREE	TANGENT	LENGTH	PC STATION	INCOMING BEARING	PT STATION	OUTGOING BEARING
US 380 MAIN LANES (DESIGN SPEED: 70 MPH)													
PRO380_1	PRO380_1_13	2689+32.30	7112229.777	2608346.622	9° 35' 10.61"	7000	0° 49' 6.64"	586.96	1171.19	2683+45.34	S 80° 51' 09.00" E	2695+16.53	N 89° 33' 40.39" E
	PRO380_1_14	2696+62.93	7112235.393	2609079.962	1° 30' 40.61"	11100	0° 30' 58.24"	146.4	292.78	2695+16.53	N 89° 33' 40.39" E	2698+09.31	S 88° 55' 39.00" E
US 380 MAIN LANES INTERIM PAVEMENT (DESIGN SPEED: 60 MPH)													
PRO380_WB	PRO380_WB_1	103+82.64	7112265.202	2609315.982	3° 56' 19.42"	11128	0° 30' 53.57"	382.64	764.98	100+00.00	N 89° 33' 40.39" E	107+64.98	S 86° 30' 00.19" E
	PRO380_WB_2	110+01.42	7112227.408	2609933.911	2° 25' 38.81"	11160	0° 30' 48.25"	236.44	472.81	107+64.98	S 86° 30' 00.19" E	112+37.80	S 88° 55' 39.00" E
PRO380_EB	PRO380_EB_1	109+04.36	7112213.199	2609838.114	1° 30' 40.61"	11140	0° 30' 51.57"	146.93	293.84	107+57.43	N 89° 33' 40.39" E	110+51.27	S 88° 55' 39.00" E
FRONTAGE ROADS (DESIGN SPEED: 45 MPH)													
EBFR2	EBFR28	4678+71.16	7112460.691	2605969.057	2° 12' 43.26"	6710	0° 51' 13.99"	129.54	259.05	4677+41.62	S 80° 51' 09.00" E	4680+00.67	S 83° 03' 52.26" E
	EBFR29	4681+30.21	7112429.406	2606226.246	2° 12' 43.26"	6710	0° 51' 13.99"	129.54	259.05	4680+00.67	S 83° 03' 52.26" E	4682+59.72	S 80° 51' 09.00" E
	EBFR210	4699+41.13	7112141.508	2608014.163	4° 22' 31.95"	7140	0° 48' 8.86"	272.76	545.26	4696+68.37	S 80° 51' 09.00" E	4702+13.63	S 85° 13' 40.95" E
	EBFR211	4709+32.90	7112058.98	2609002.761	8° 7' 20.42"	4500	1° 16' 23.66"	319.5	637.93	4706+13.40	S 85° 13' 40.95" E	4712+51.33	N 86° 38' 58.63" E
WBFR2	WBFR2_7	4674+16.69	7112757.141	2606015.105	2° 12' 43.26"	6710	0° 51' 13.99"	129.54	259.05	4672+87.15	S 80° 51' 09.00" E	4675+46.20	S 78° 38' 25.74" E
	WBFR2_8	4676+75.74	7112706.11	2606269.115	2° 12' 43.26"	6710	0° 51' 13.99"	129.54	259.05	4675+46.20	S 78° 38' 25.74" E	4678+05.25	S 80° 51' 09.00" E
	WBFR2_9	4699+66.72	7112341.893	2608530.991	12° 29' 52.37"	6860	0° 50' 6.78"	751.16	1496.37	4692+15.56	S 80° 51' 09.00" E	4707+11.93	N 86° 38' 58.63" E
RAMPS (DESIGN SPEED: 50 MPH)													
PR2674R	PR2674R_1	11+68.61	7112479.495	2605915.185	9° 7' 12.99"	2114	2° 42' 37.09"	168.61	336.5	10+00.00	S 80° 51' 09.00" E	13+36.50	S 89° 58' 21.99" E
	PR2674R_2	14+20.25	7112479.375	2606167.539	9° 7' 12.99"	1050	5° 27' 24.27"	83.75	167.14	13+36.50	S 89° 58' 21.99" E	15+03.64	S 80° 51' 09.00" E
	PR2674R_3	22+46.41	7112347.979	2606983.539	3° 33' 19.18"	4600	1° 14' 44.02"	142.77	285.44	21+03.64	S 80° 51' 09.00" E	23+89.08	S 84° 24' 28.18" E
	PR2674R_4	26+33.34	7112310.265	2607368.717	3° 33' 19.18"	7870	0° 43' 40.90"	244.25	488.35	23+89.08	S 84° 24' 28.18" E	28+77.43	S 80° 51' 09.00" E
PR2674L	PR2674L_1	10+80.71	7112715.469	2606087.447	4° 22' 21.36"	2114	2° 42' 37.09"	80.71	161.33	10+00.00	S 77° 42' 09.93" E	11+61.33	S 73° 19' 48.57" E
	PR2674L_2	12+21.77	7112674.982	2606222.656	6° 35' 17.86"	1050	5° 27' 24.27"	60.43	120.74	11+61.33	S 73° 19' 48.57" E	12+82.07	S 79° 55' 06.43" E
	PR2674L_3	13+37.09	7112654.772	2606336.329	0° 56' 2.57"	6750	0° 50' 55.77"	55.02	110.04	12+82.07	S 79° 55' 06.43" E	13+92.11	S 80° 51' 09.00" E
	PR2674L_4	20+25.19	7112545.379	2607015.684	3° 33' 12.00"	4614	1° 14' 30.41"	143.12	286.15	18+82.07	S 80° 51' 09.00" E	21+68.22	S 77° 17' 57.00" E
	PR2674L_5	24+12.34	7112460.241	2607393.446	3° 33' 12.00"	7870	0° 43' 40.90"	244.12	488.08	21+68.22	S 77° 17' 57.00" E	26+56.30	S 80° 51' 09.00" E
CROSS-STREETS (DESIGN SPEED: 45 MPH)													
PROPARKRD	PROPARKRD1	13+80.30	7112508.23	2608195.278	3° 0' 42.12"	1580	3° 37' 34.73"	41.54	83.05	13+38.76	N 01° 46' 17.90" E	14+21.81	N 01° 14' 24.22" W

TXDOT DALLAS DISTRICT
DESIGN SCHEMATIC APPROVED
DATE: 12-10-2023

Texas Department of Transportation
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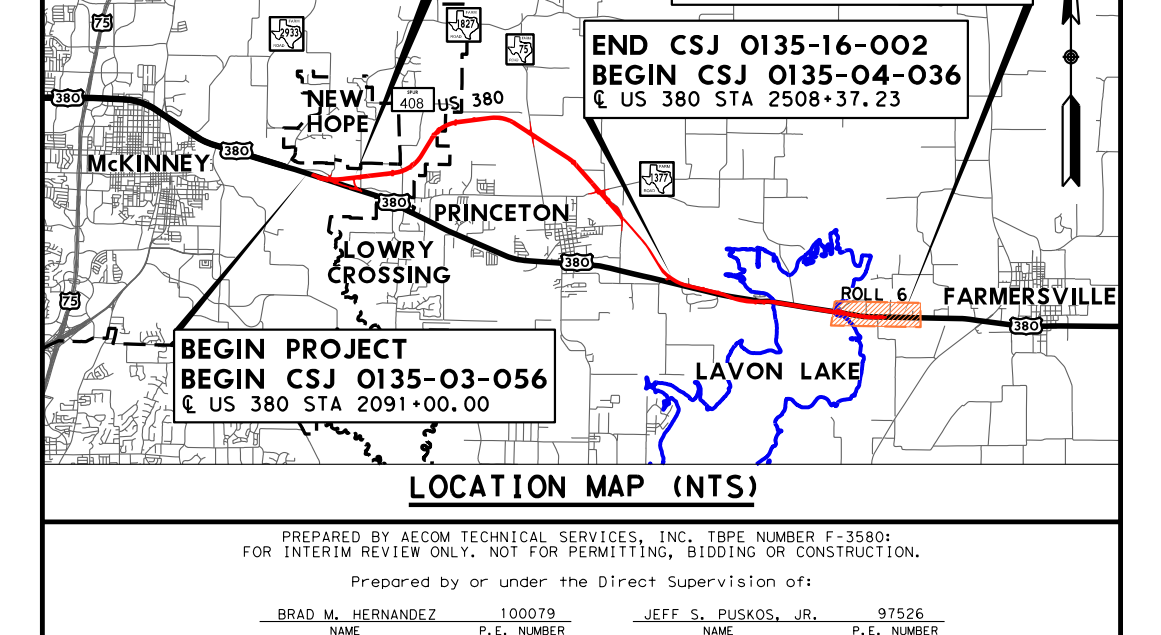
DALLAS DISTRICT
DESIGN SCHEMATIC
CEASON CLEMENS, P.E.,
DISTRICT ENGINEER
US 380 PRINCETON
COLLIN COUNTY, TEXAS
PROJECT LIMIT: FROM FM 1827 TO CR 560
LENGTH OF PROJECT (APPROX.) = 11.7 MI (61,935.0 LF)
ROADWAY = 7.7 MI (40,817.50 LF) BRIDGE = 4.0 MI (21,117.50 LF)
CSJ 0135-03-056 (1.07 MI)
FROM FM 1827 TO JCT US 380/W. PRINCETON DRIVE
CSJ 0135-16-002 (6.83 MI)
FROM JCT US 380/W. PRINCETON DRIVE
TO JCT US 380/E. PRINCETON DRIVE
CSJ 0135-04-036 (3.81 MI)
FROM JCT US 380/E. PRINCETON DRIVE TO CR 560
(roadway type table, traffic data and source repeated as above)
SCALE: 1"=200' H, 1"=20' V DECEMBER 2023
DISTRICT: DALLAS
COUNTY: COLLIN
DATE: DECEMBER 2023
US 380 PRINCETON
100% DESIGN SCHEMATIC
ROLL 6 OF 13

* - SEE NOTE NO. 7.

LEGEND:
- FUTURE DRIVEWAY (NEW ACCESS) *
- POTENTIAL DISPLACEMENTS


END CSJ 0135-03-056
BEGIN CSJ 0135-16-002
℄ US 380 STA 2147+37.23
END CSJ 0135-04-036
END PROJECT
℄ US 380 STA 2709+35.00
END CSJ 0135-16-002
BEGIN CSJ 0135-04-036
℄ US 380 STA 2508+37.23
BEGIN PROJECT
BEGIN CSJ 0135-03-056
℄ US 380 STA 2091+00.00
McKINNEY
NEW HOPE
PRINCETON
LOWRY CROSSING
LAVON LAKE
FARMERSVILLE
ROLL 6

LOCATION MAP (NTS)
PREPARED BY AECOM TECHNICAL SERVICES, INC. TBPE NUMBER F-3580;
FOR INTERIM REVIEW ONLY. NOT FOR PERMITTING, BIDDING OR CONSTRUCTION.
Prepared by or under the Direct Supervision of:
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