TEXAS DEPARTMENT OF TRANSPORTATION

JAY R. NELSON, P.E.
DISTRICT ENGINEER

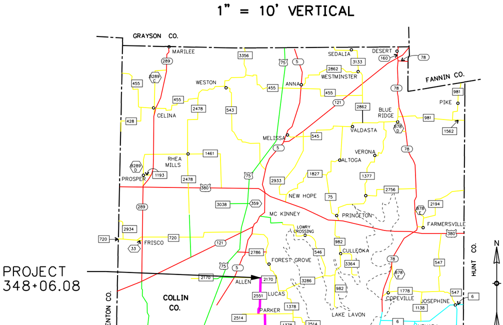
DESIGN SCHEMATIC

FM 2551
FROM: FM 544
TO: FM 2170

URBAN ARTERIAL
CONTROL: 2056-01-042

COLLIN COUNTY

DESIGN SPEED 45 MPH
SCALE 1" = 100' HORIZONTAL
1" = 10' VERTICAL



TEXAS DEPARTMENT OF TRANSPORTATION

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NOTE:

FINAL LOCATION OF LEFT TURN BAYS, MEDIAN CUTS, DRIVEWAYS, AND SIDEWALKS TO BE DETERMINED DURING DETAILED PLAN PREPARATION AND THROUGH COORDINATION WITH THE LOCAL GOVERNMENT ENTITIES.

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

SCHEMATIC PREPARED BY:

THOMAS E. T. COCHILL, P.E.
P.E. NO. 87665.

AUGUST 13, 2002

Chiang, Patel & Yerby, Inc.

COLLIN COUNTY, TEXAS

Texas Department of Transportation
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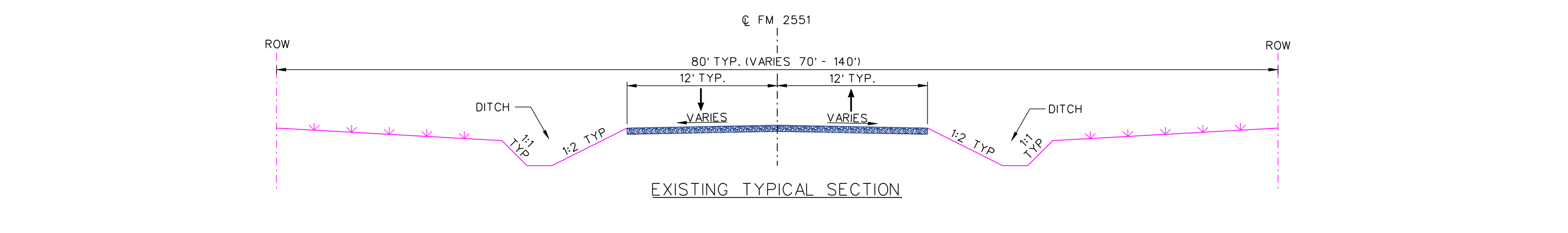
FM 2551: FM 544 TO FM 2170

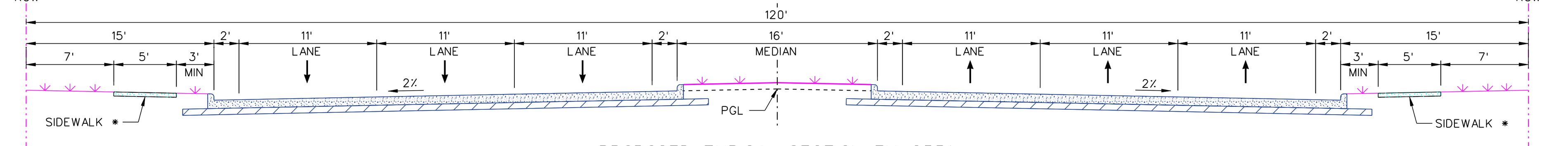
BEGIN PROJECT TO STA. 217+00.00

SCROLL 1 OF 2

Designed:	TETC	STATE	CPY, INC. PROJECT NO.	
Checked:	SPS	TEXAS	CCT0011	
Drawn:	BZM	COUNTY	STATE DIST. #	ROADWAY
Checked:	TETC	COLLIN	-	FM 2551



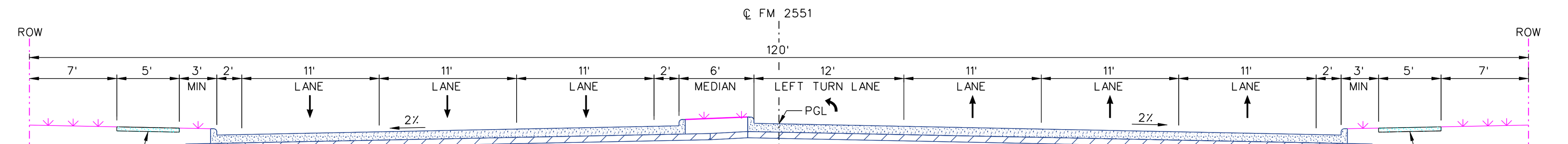
EXISTING TYPICAL SECTION



PROPOSED TYPICAL SECTION FM 2551

15' BORDER WIDTH ALLOWS FOR C&G INLETS WITH SUFFICIENT DISTANCE FOR UTILITIES

* 1.5% CROSS SLOPE

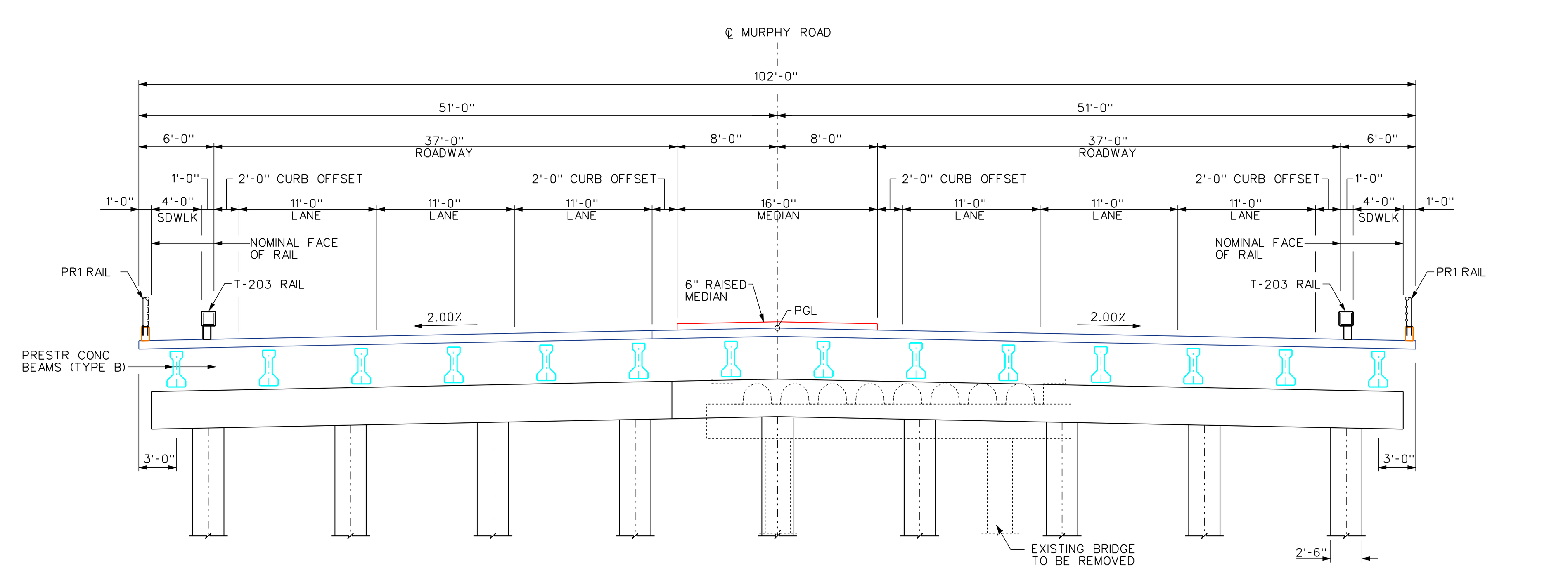


PROPOSED TYPICAL SECTION WITH LEFT TURN LANE FM 2551

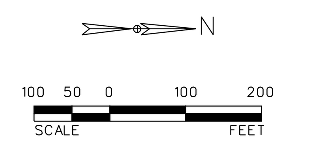
16' MEDIAN ALLOWS FOR PROTECTED LEFT TURN LANE WITH A 6' RAISED MEDIAN REMAINING (ELIMINATE OFFSET)

15' BORDER WIDTH ALLOWS FOR C&G INLETS WITH SUFFICIENT DISTANCE FOR UTILITIES

* 1.5% CROSS SLOPE



BRIDGE TYPICAL SECTION - FINAL



PLAN LEGEND

- PROPOSED CENTERLINE
- EXISTING ROW
- PROPOSED ROW
- INSIDE FACE OF CURB
- OUTSIDE FACE OF CURB
- SIDEWALK
- DRIVEWAY/CROSS STREET
- SIDEWALK RAMP

PROFILE LEGEND

- PROPOSED PGL
- EXISTING GROUND

TRAFFIC LEGEND

- 2004
- 2024
- 2034

2004, 2024, AND 2034 ANTICIPATED AVERAGE DAILY TRAFFIC VOLUMES AND TURNING MOVEMENTS AT SPECIFIED POINTS ALONG FM 2551. (DATA PROVIDED BY TxDOT.)