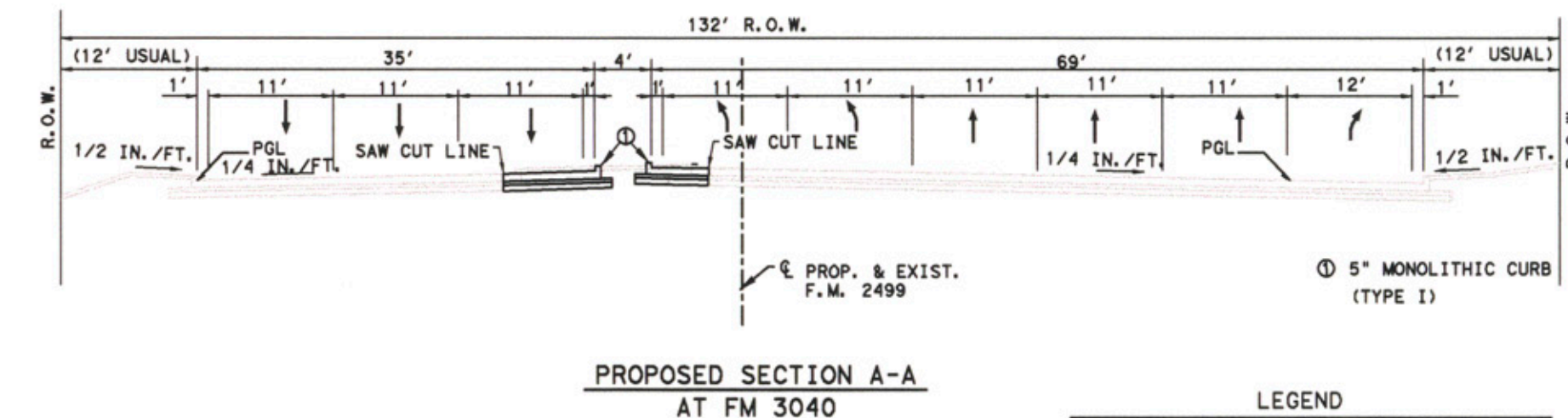
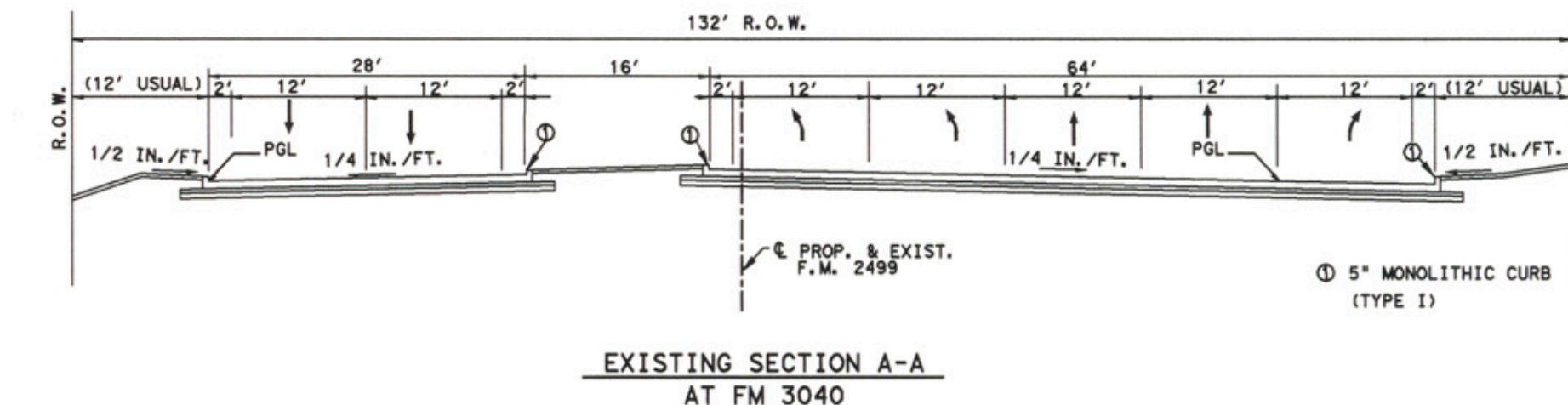
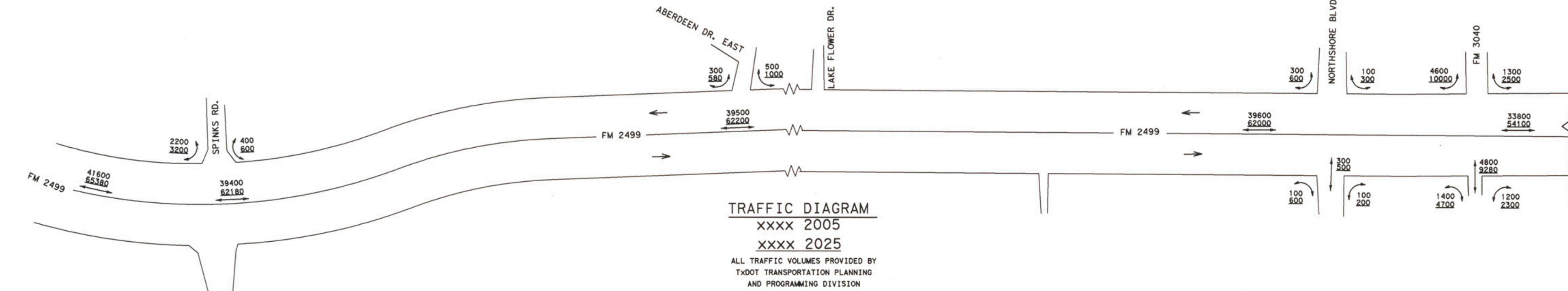




| VERTICAL CURVE DATA |    |           |         |        |           |              |         |  |  |
|---------------------|----|-----------|---------|--------|-----------|--------------|---------|--|--|
|                     |    | STATION   | ELEV    | GRADE  | TOTAL L   | BACK L       | AHEAD L |  |  |
| VP1                 | 1  | 46+50.00  | 608.790 |        |           |              |         |  |  |
| VPC                 |    | 53+60.00  | 622.866 | 1.983  | K = 121.3 | SSD = 537.8  |         |  |  |
| VPI                 | 2  | 54+50.00  | 624.650 |        | 180,000   | 90,000       | 90,000  |  |  |
| VPT                 |    | 55+40.00  | 625.099 | 0.499  |           |              |         |  |  |
| VPC                 |    | 61+25.00  | 628.016 | 0.499  | K = 127.3 | SSD = 638.8  |         |  |  |
| High Point          | 3  | 61+88.75  | 628.174 |        |           |              |         |  |  |
| VPI                 |    | 62+00.00  | 628.390 |        | 150,000   | 75,000       | 75,000  |  |  |
| VPT                 |    | 62+75.00  | 627.880 | -0.680 |           |              |         |  |  |
| VPC                 |    | 69+45.00  | 623.324 | -0.680 | K = 93.2  |              |         |  |  |
| Low Point           | 4  | 70+00.00  | 622.980 |        | 110,000   | 55,000       | 55,000  |  |  |
| VPI                 |    | 70+08.39  | 623.108 |        |           |              |         |  |  |
| VPT                 |    | 70+55.00  | 623.225 | 0.500  |           |              |         |  |  |
| VPC                 |    | 79+35.00  | 627.925 | 0.500  | K = 125.4 | SSD = 706.2  |         |  |  |
| High Point          | 5  | 80+00.00  | 628.842 |        |           |              |         |  |  |
| VPI                 |    | 80+60.00  | 628.250 |        | 130,000   | 65,000       | 65,000  |  |  |
| VPT                 |    | 81+25.00  | 627.901 | -0.536 |           |              |         |  |  |
| VPC                 |    | 84+50.00  | 626.158 | -0.536 | K = 96.5  |              |         |  |  |
| Low Point           | 6  | 85+01.75  | 625.890 |        | 100,000   | 50,000       | 50,000  |  |  |
| VPI                 |    | 85+05.00  | 626.019 |        |           |              |         |  |  |
| VPT                 |    | 85+50.00  | 626.140 | 0.500  |           |              |         |  |  |
| VPC                 |    | 88+60.00  | 627.690 | 0.500  | K = 120.0 | SSD = 533.0  |         |  |  |
| High Point          | 7  | 89+20.00  | 627.840 |        |           |              |         |  |  |
| VPI                 |    | 89+90.00  | 628.140 |        | 180,000   | 90,000       | 90,000  |  |  |
| VPT                 |    | 90+40.00  | 627.240 | -1.000 |           |              |         |  |  |
| VPC                 |    | 93+50.00  | 624.140 | -1.000 | K = 96.2  |              |         |  |  |
| Low Point           | 8  | 94+46.15  | 623.839 |        |           |              |         |  |  |
| VPI                 |    | 94+50.00  | 623.140 |        | 200,000   | 100,000      | 100,000 |  |  |
| VPT                 |    | 95+50.00  | 624.220 | 1.080  |           |              |         |  |  |
| VPC                 |    | 103+45.00 | 632.806 | 1.080  | K = 122.1 | SSD = 491.3  |         |  |  |
| High Point          | 9  | 104+00.00 | 633.940 |        | 210,000   | 105,000      | 105,000 |  |  |
| VPI                 |    | 104+76.86 | 633.518 |        |           |              |         |  |  |
| VPT                 |    | 105+55.00 | 633.268 | -0.640 |           |              |         |  |  |
| VPC                 |    | 110+50.00 | 630.100 | -0.640 | K = 178.6 | SSD = 1236.6 |         |  |  |
| Low Point           | 10 | 111+00.00 | 629.780 |        | 100,000   | 50,000       | 50,000  |  |  |
| VPI                 |    | 111+50.00 | 629.180 | -1.200 |           |              |         |  |  |
| VPC                 |    | 115+40.00 | 624.500 | -1.200 | K = 333.3 |              |         |  |  |
| High Point          | 11 | 115+90.00 | 623.900 |        | 100,000   | 50,000       | 50,000  |  |  |
| VPI                 |    | 116+40.00 | 623.450 | -0.900 |           |              |         |  |  |
| VPC                 |    | 120+00.00 | 620.210 | -0.900 | K = 142.9 | SSD = 999.3  |         |  |  |
| Low Point           | 12 | 120+50.00 | 619.760 |        | 100,000   | 50,000       | 50,000  |  |  |
| VPI                 |    | 121+00.00 | 619.960 | -1.600 |           |              |         |  |  |

**LEGEND**

---

|        |                                          |
|--------|------------------------------------------|
| ----   | CENTERLINE OR BASELINE                   |
| -----  | EXISTING RIGHT OF WAY                    |
| -----  | PROPOSED RIGHT OF WAY                    |
| ==     | LANE CONFIGURATION AND FLOW              |
| ---    | PROPOSED MEDIAN                          |
| =====  | PROPOSED NOISE WALL                      |
| ==     | EXISTING MASONRY WALL                    |
| W      | EXISTING WATER                           |
| SS     | EXISTING SANITARY SEWER                  |
| G      | EXISTING GAS                             |
| H.P.   | HIGH PRESSURE                            |
| XXXXXX | 2005 AVERAGE DAILY TRAFFIC VOLUMES (ADT) |
| XXXXXX | 2025 AVERAGE DAILY TRAFFIC VOLUMES (ADT) |

GENERAL NOTES

1. OPERATIONAL CHARACTERISTICS OF ALL MEDIAN OPENINGS ALONG THE PROJECT WILL BE COORDINATED AND FINALIZED WITH THE TOWN OF FLOWER MOUND DURING CONSTRUCTION PLAN PREPARATION.

2. SIGNAL TIMING AND PEDESTRIAN PHASING WILL BE COORDINATED WITH THE TOWN OF FLOWER MOUND TO PROVIDE SUFFICIENT CROSSING TIME DUE TO THE LACK OF REFUGE AREA WITHIN THE PROPOSED NARROWED MEDIAN.

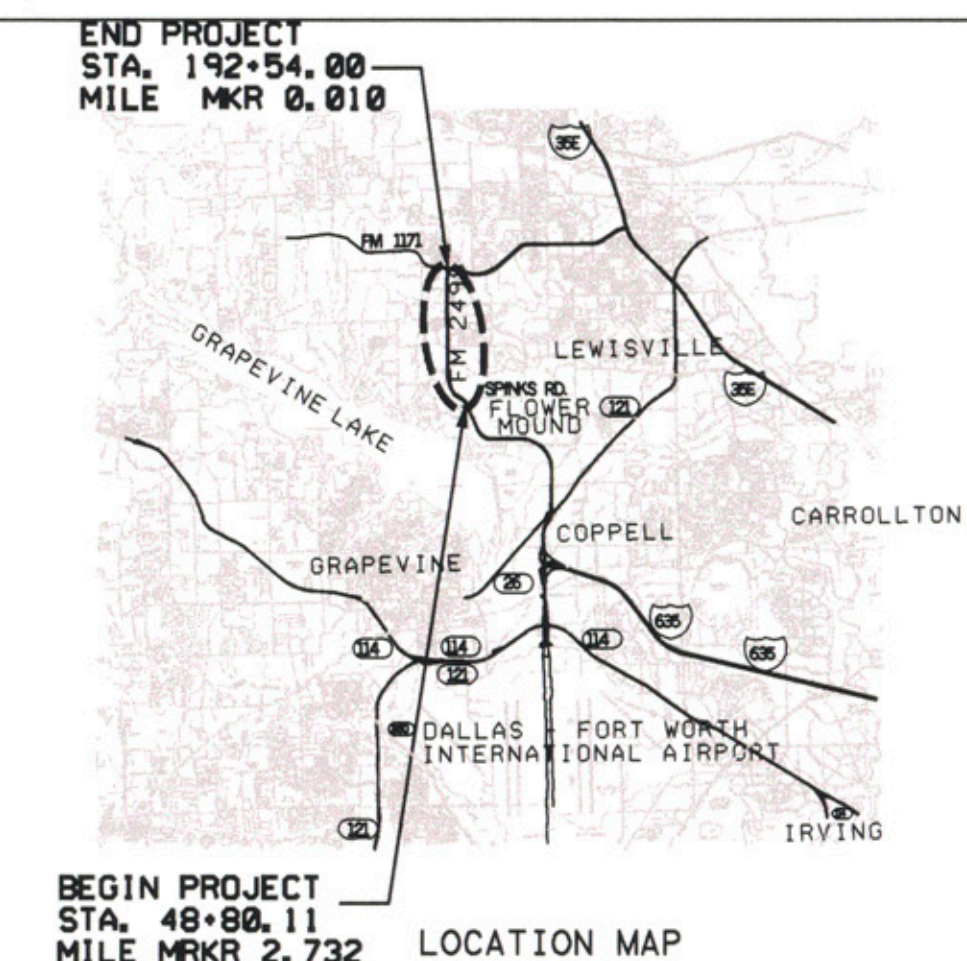
 TEXAS DEPARTMENT OF TRANSPORTATION  
DALLAS DISTRICT  
WILLIAM L. HALE, P.E., DISTRICT ENGINEER  
DENTON COUNTY

## DESIGN SCHEMATIC

**FM 2499**  
**PROPOSED**  
**IMPROVEMENTS**

FROM: SPINKS ROAD TO: FM 1171  
PROJECT LENGTH = 14,373.90 FT = 2.72 MI

CSJ: 2681-01-015



DESIGN SPEED: 45 MPH  
FUNCTIONAL CLASS: URBAN PRINCIPAL ARTERIAL

ROLL 1 OF 2

SEPTEMBER 2004

SCALE: 1"=100' H, 1"=20' V



3010 LBJ FREEWAY, SUITE 1300  
DALLAS, TEXAS 75234  
(972) 406-6950

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PRELIMINARY SCHEMATIC  
SUBMITTAL FOR  
REVIEW ONLY  
NOT FOR  
CONSTRUCTION.

GREGORY DELGADO  
PE NO. 81454  
DATE: SEPTEMBER 10, 2004