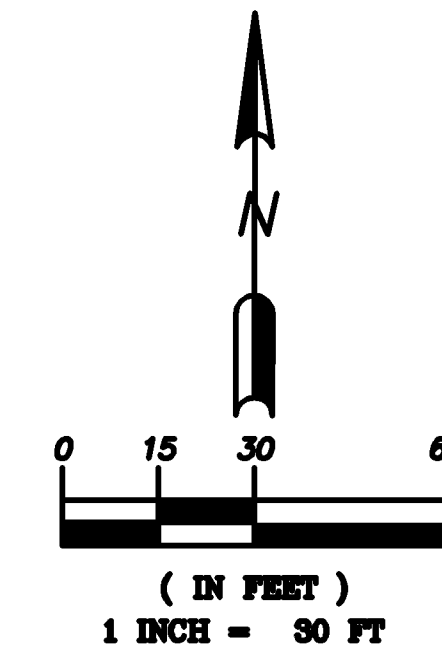


NOT FOR REGULATORY  
APPROVAL, PERMITTING,  
OR CONSTRUCTION

ENGINEER OF RECORD:  
ANNA C. BLACKWELL  
TX. REG. NO. 97350  
01 DECEMBER 2017

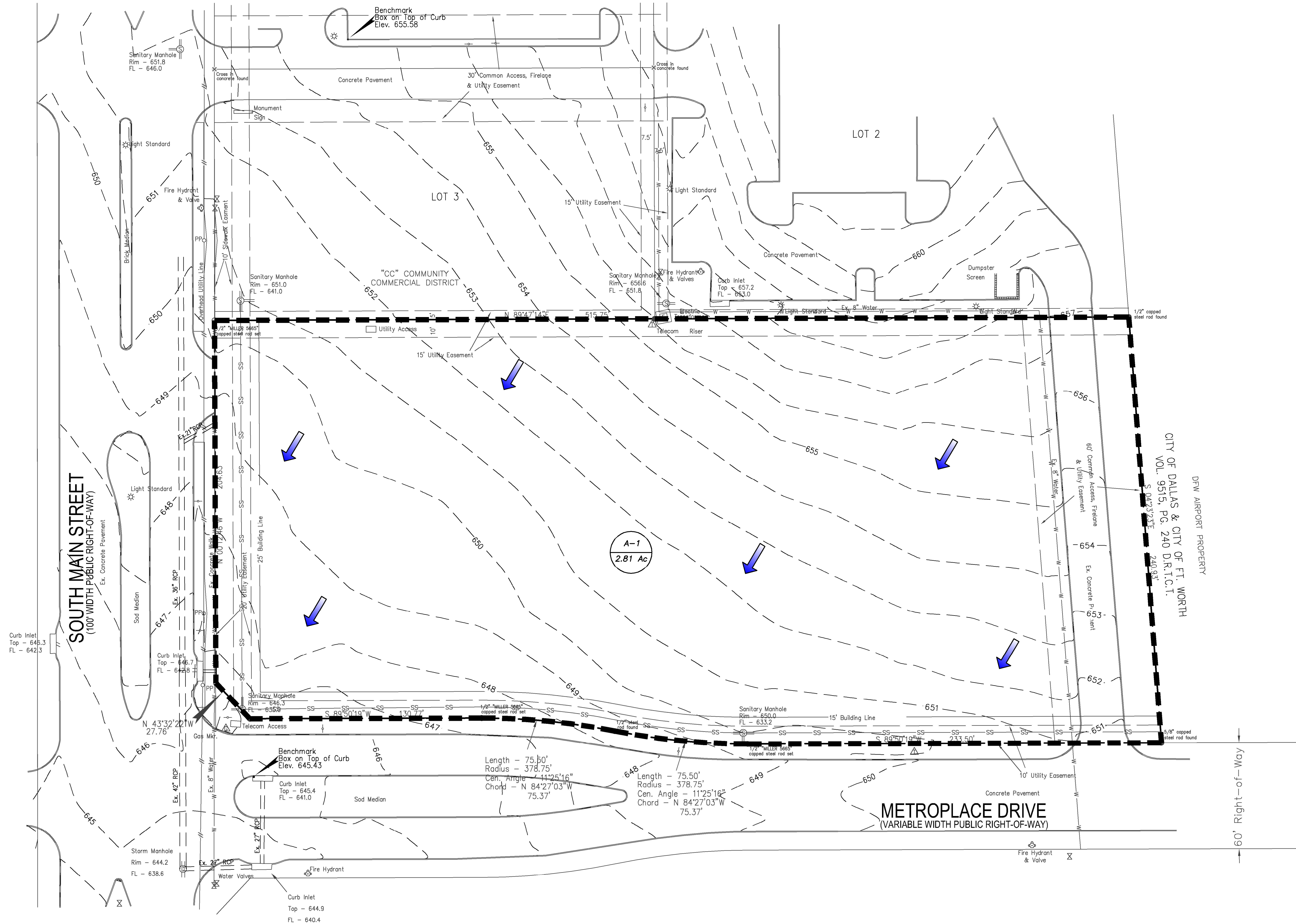
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**LEGEND**

- DRAINAGE AREA LABELS
- DIRECTION OF FLOW
- DRAINAGE AREA BOUNDARY
- EXISTING CONTOURS

Revision Schedule		
Rev. #	Revision Description	Revision Date



**CAUTION!**  
CONTRACTOR IS TO VERIFY  
PRESENCE AND EXACT  
LOCATION OF ALL UTILITIES  
PRIOR TO CONSTRUCTION AND  
NOTIFY ENGINEER OF ANY  
CONFLICTS.

**STOP!**  
**CALL BEFORE YOU DIG**  
**DIG TESS**  
**1-800-DIG-TESS**  
(at least 72 hours prior to digging)

Existing Conditions Drainage Area Calculations- (in accordance with City of Grapevine Drainage Manual)

Drainage Area	Area (Ac)	Runoff Coefficient C	25-Year C*Ci	100-Year C*Ci	Minimum Inlet Time (min)	25-Year Intensity (in/hr)	25-Year Flow (cfs)	100-Year Intensity (in/hr)	100-Year Flow (cfs)	Description
A-1	2.81	0.30	0.33	0.38	15.00	7.00	6.49	8.00	8.43	Drains to Metroplace Drive to Existing Curb Inlet
Total	2.81						6.49		8.43	

BENCHMARK INFORMATION:  
B.M. 1: CITY BENCHMARK MONUMENT NO. 8 AT MAIN AND VINE. ELEVATION = 635.97  
  
B.M. 2: BOX ON TOP OF CURB AT THE NW CORNER OF AN INLET ON THE NORTH SIDE OF THE MEDIAN FOR METROPLACE DRIVE, 68 FEET EAST OF THE CENTERLINE OF SOUTH MAIN STREET. ELEVATION = 645.43  
  
B.M. 3: BOX CUT ON TOP OF CURB AT THE SOUTHWEST CORNER OF THE HEAD-IN PARKING FOR SCHLOTSZKY'S, 125 FEET EAST OF THE CENTERLINE OF SOUTH MAIN STREET AND 427 FEET NORTH OF THE CENTERLINE OF METROPLACE DRIVE. ELEVATION = 655.58



Carrillo Engineering, LLC

301 Commerce Street, Ste 1410 - Fort Worth, Texas 76102  
Phone 817-896-0976 - Firm Registration #F-15893

**TEXAS GUN EXPERIENCE**

1901 SOUTH MAIN STREET  
GRAPEVINE, TEXAS 76051

2016-028-00  
DECEMBER 01, 2017

**EXISTING DRAINAGE AREA MAP C3.00**