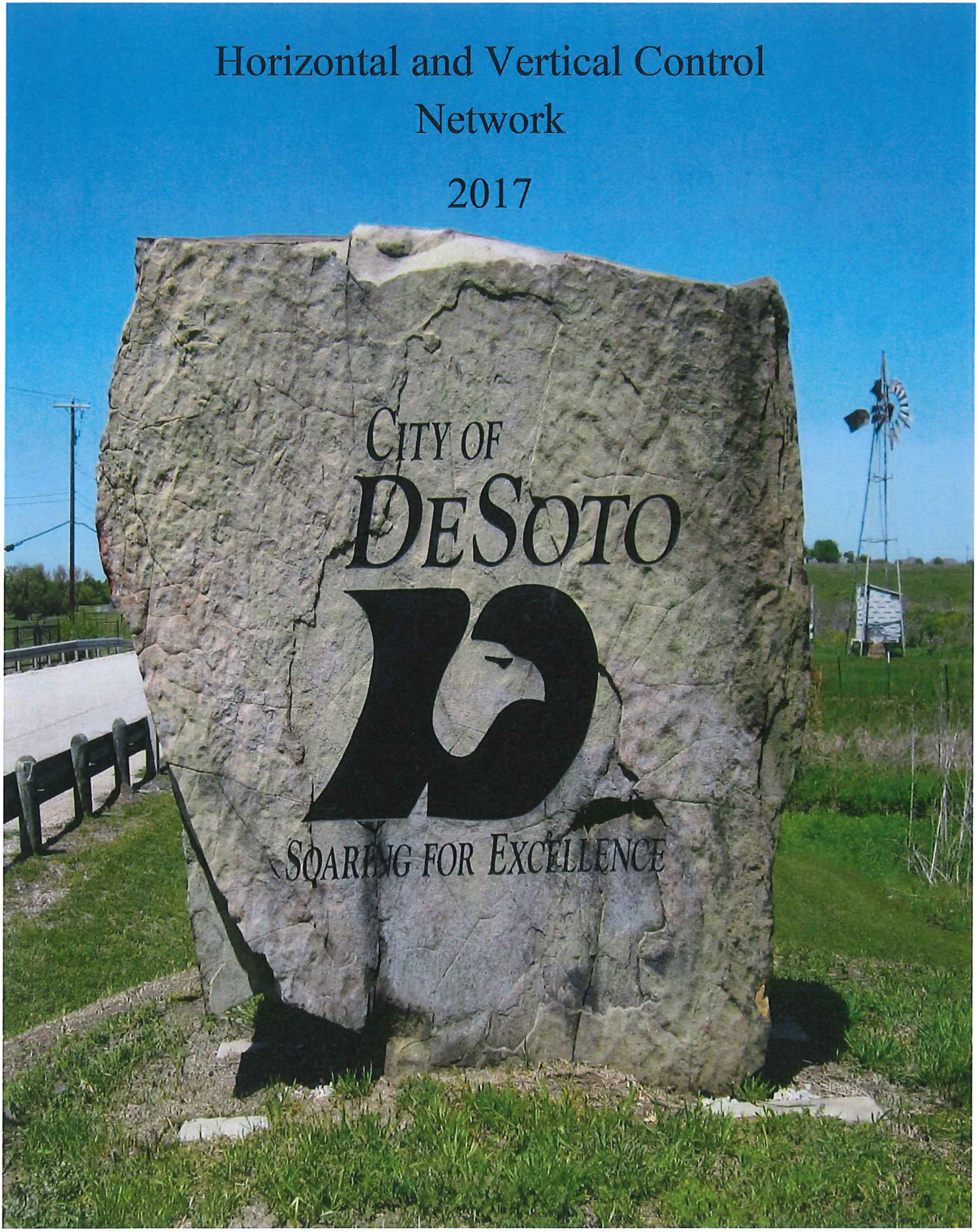
# Horizontal and Vertical Control Network

# 2017



# FINAL REPORT

TO THE

# CITY OF DESOTO, DALLAS COUTY, TEXAS

## 211 E. PLEASANT RUN ROAD
## DESOTO, TEXAS, 75115

*Phone: 972-230-9672 Fax: 972-230-5818*

FOR

# ESTABLISHMENT OF THE HORIZONTAL AND VERTICAL CONTROL NETWORK

THROUGH THE

## CITY OF DESOTO

SUBMITTED: MARCH 23, 2018

BY


**PRISM SURVEYS, INC.**
3533 Bell Drive
Hurst, Texas, 76053
Office: 817-540-8048 or 817-268-2211
Fax: 817-283-1148
Firm No. 101325-00

# GPS SURVEY REPORT
# ESTABLISHING NEW AND RECOVERD MONUMENTATION
# BY PRISM SURVEYS, INC.
# FOR THE CITY OF DESOTO, DALLAS COUNTY, TEXAS

***Equipment Used***

- Topcon (TWO SECOND) Green Label GTS-250 Series Total Stations and Topcon Hiper Lite II GPS Systems

***Online Positioning User Service (OPUS) was used***

- OPUS was used to determine the X, Y, and Z values for all monumentation and meet or exceed excepted tolerances (NAD_83), utilizing's the National Oceanic and Atmospheric Administration (NOAA), National Geodetic Survey (NGS), along with Continuously Operating Reference Station network (CORS). CORS Monument ZFW1 - FORT WORTH - WAAS 1, Fort Worth, Texas, USA, CORS Monument TXDA - DALLAS, Dallas, Texas, USA, CORS Monument TXES – ELLIS, Waxachachie, Texas, USA, and CORS Monument TXNC – NACOGDOCHES, Nacogdoches, Texas, USA. Utilizing {NAVD 88 (Computed using GEOID 12B)} for Vertical Control. In addition, a continuous Traverse with vertical trigonometry was done through the entire City.

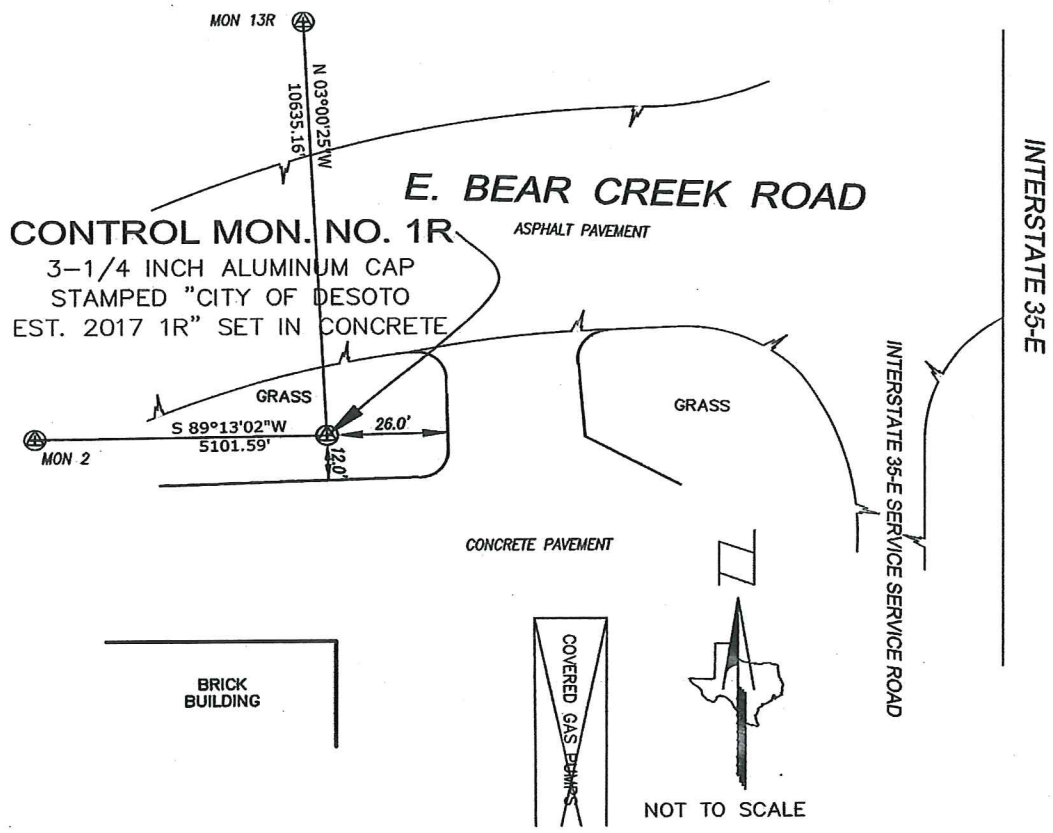
# DESOTO CONTROL MONUMENT 1R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 1R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,891,019.57 | **NORTHING:** | 2,100,382.76 |
| **EASTING:** | 2,484,997.47 | **EASTING:** | 757,427.23 |
| **ELEVATION (NGVD 1988):** | 616.87 | | |
| **LATITUDE:** | 32° 33' 38.22" | **CONVERGENCE ANGLE:** | 00° 54' 51.75" |
| **LONGITUDE:** | -96° 49' 24.47 | **POINT SCALE FACTOR:** | 0.999909096231 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 1R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## BEAR CREEK ROAD AT INTERSTATE 35-E

**All photos of monuments are taken while facing North**

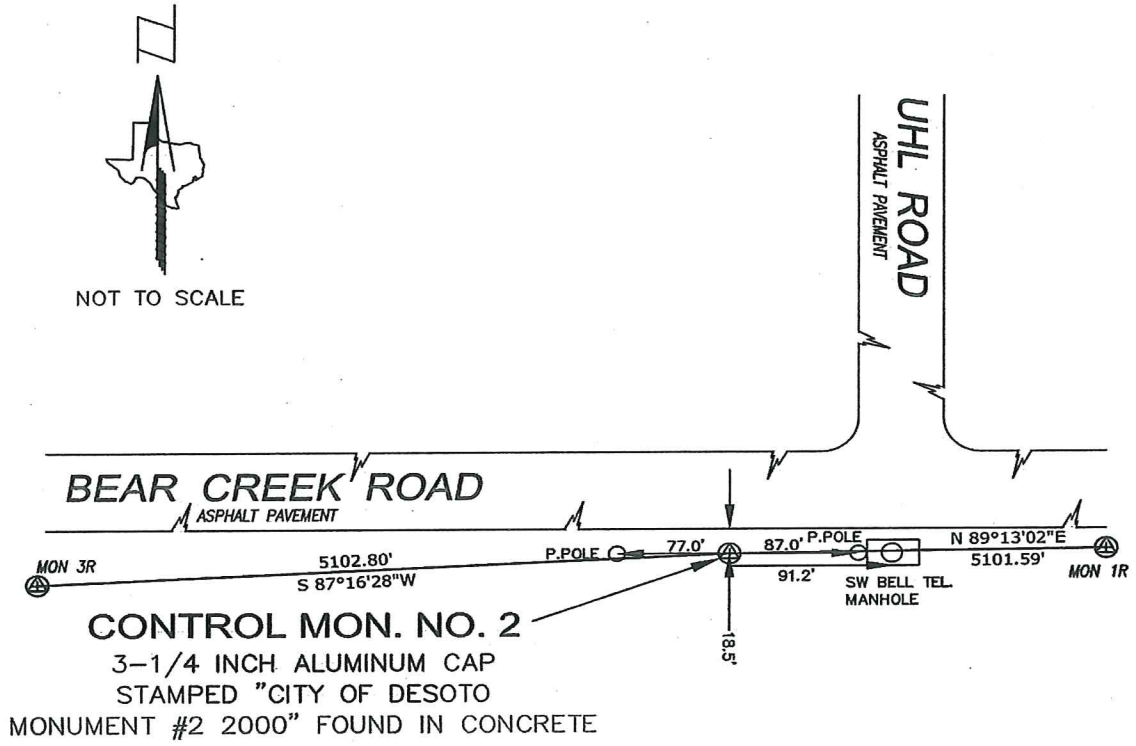
# DESOTO CONTROL MONUMENT 2

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto Monument #2 2000" found in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,890,949.89 | **NORTHING:** | 2,100,361.52 |
| **EASTING:** | 2,479,896.35 | **EASTING:** | 755,872.41 |
| **ELEVATION (NGVD 1988):** | 650.25 | | |
| **LATITUDE:** | 32° 33' 38.34" | **CONVERGENCE ANGLE:** | 00° 54' 19.23" |
| **LONGITUDE:** | -96° 50' 24.07" | **POINT SCALE FACTOR:** | 0.999909091612 |



# DESOTO CONTROL MONUMENT 2

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## BEAR CREEK ROAD AND UHL ROAD

**All photos of monuments are taken while facing North**

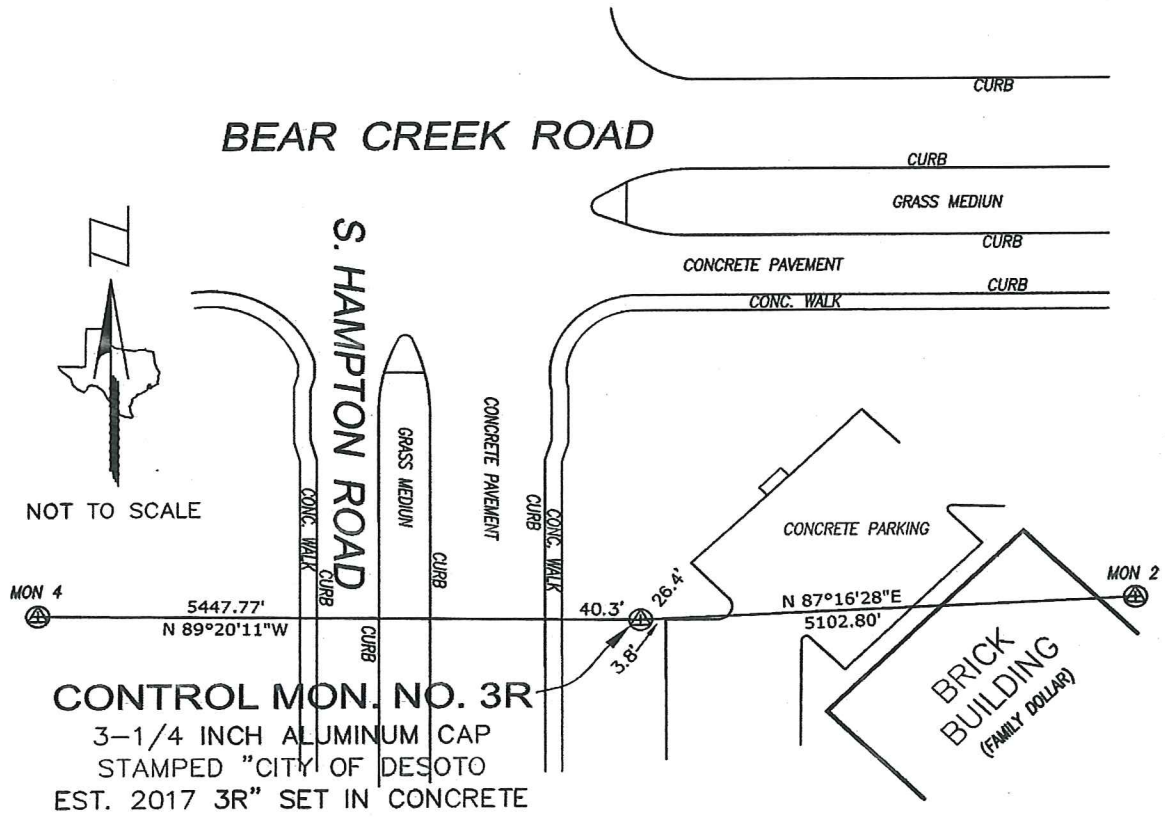
# DESOTO CONTROL MONUMENT 3R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 3R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,890,707.24 | **NORTHING:** | 2,100,287.57 |
| **EASTING:** | 2,474,799.33 | **EASTING:** | 754,318.83 |
| **ELEVATION (NGVD 1988):** | 680.34 | | |
| **LATITUDE:** | 32° 33' 36.73" | **CONVERGENCE ANGLE:** | 00° 53' 46.73" |
| **LONGITUDE:** | -96° 51' 23.67" | **POINT SCALE FACTOR:** | 0.999909157930 |



# DESOTO CONTROL MONUMENT 3R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

## STATION DESCRIPTION

## BEAR CREEK ROAD AND S. WESTMORELAND ROAD

**All photos of monuments are taken while facing North**

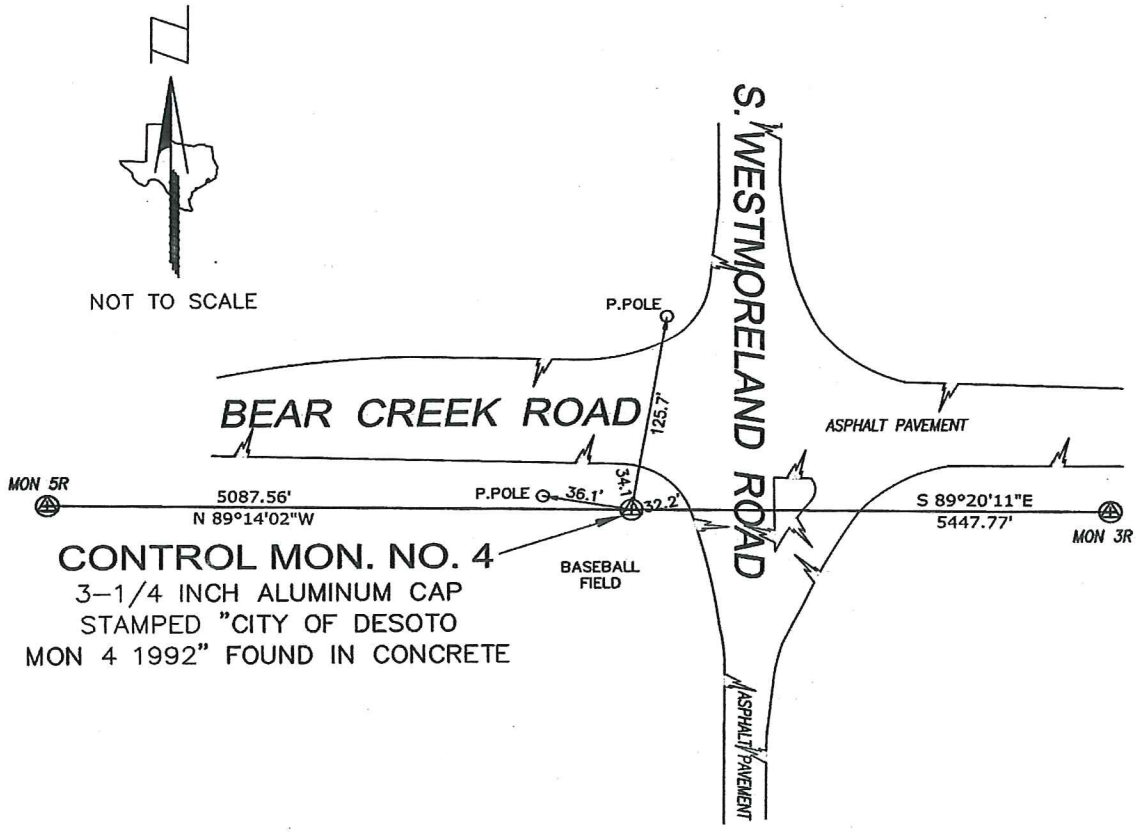
# DESOTO CONTROL MONUMENT 4

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto Mon 4 1992" found in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,890,770.34 | **NORTHING:** | 2,100,306.80 |
| **EASTING:** | 2,469,351.93 | **EASTING:** | 752,658.47 |
| **ELEVATION (NGVD 1988):** | 683.16 | | |
| **LATITUDE:** | 32° 33' 38.19" | **CONVERGENCE ANGLE:** | 00° 53' 12.02" |
| **LONGITUDE:** | -96° 52' 27.31" | **POINT SCALE FACTOR:** | 0.999909097581 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 4

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

## STATION DESCRIPTION

### BEAR CREEK ROAD AND S. WESTMORELAND ROAD

All photos of monuments are taken while facing North

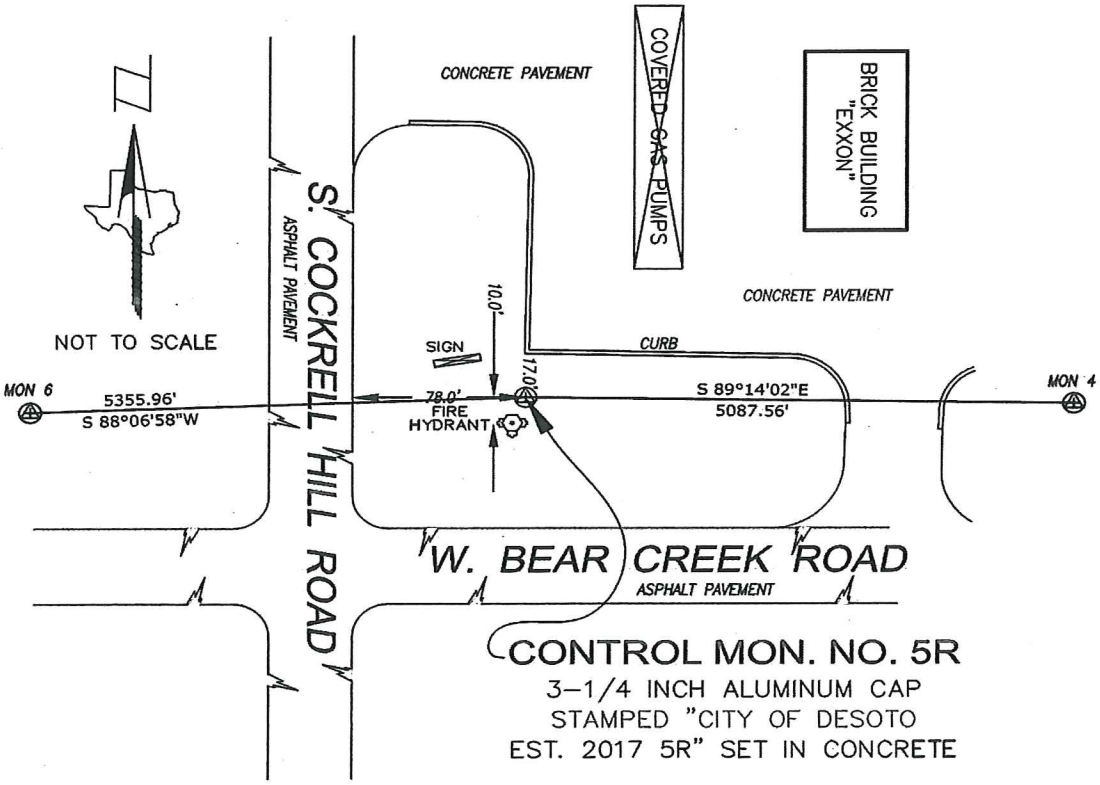
# DESOTO CONTROL MONUMENT 5R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 5R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,890,838.36 | **NORTHING:** | 2,100,327.53 |
| **EASTING:** | 2,464,264.82 | **EASTING:** | 751,107.92 |
| **ELEVATION (NGVD 1988):** | 686.68 | | |
| **LATITUDE:** | 32° 33' 39.64" | **CONVERGENCE ANGLE:** | 00° 52' 39.61" |
| **LONGITUDE:** | -96° 53' 26.73" | **POINT SCALE FACTOR:** | 0.999909037902 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 5R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## S. COCKRELL HILL ROAD AND W. BEAR CREEK ROAD

**All photos of monuments are taken while facing North**

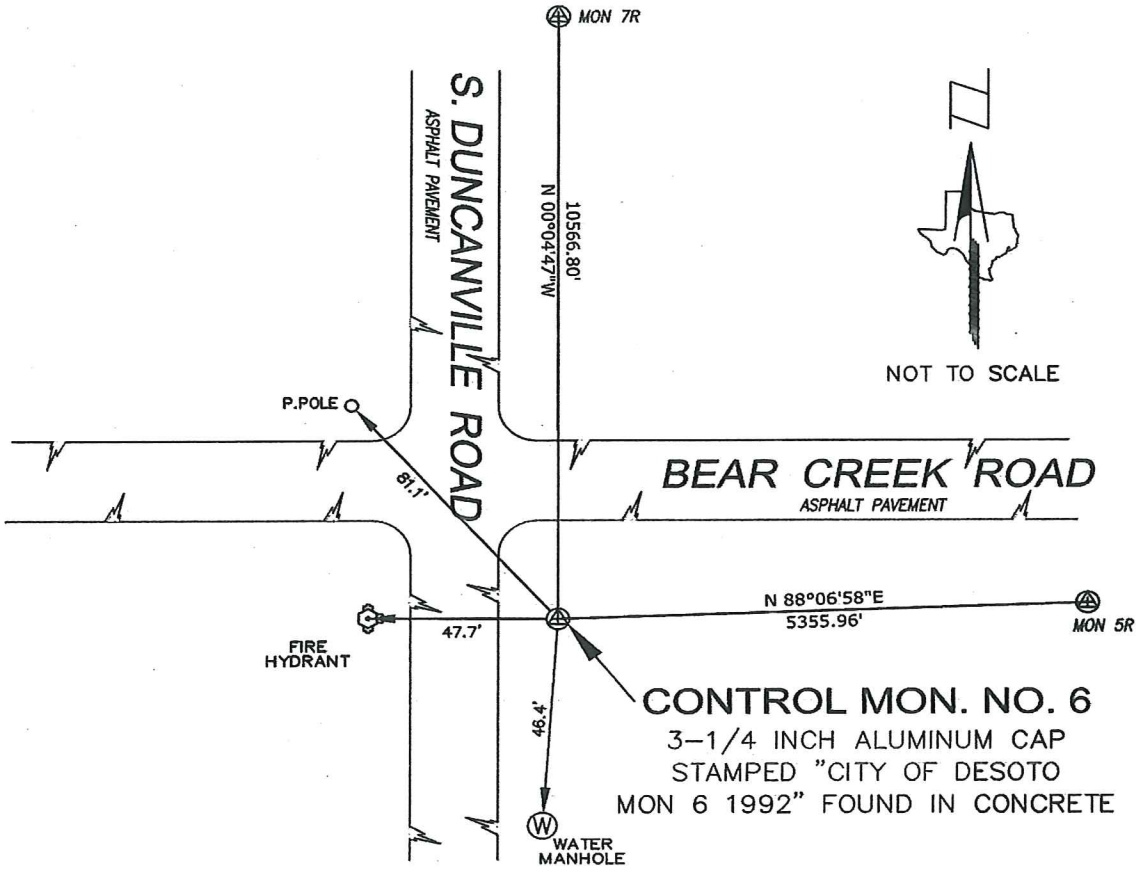
# DESOTO CONTROL MONUMENT 6

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto Mon 6 1992" found in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,890,662.28 | **NORTHING:** | 2,100,273.86 |
| **EASTING:** | 2,458,911.76 | **EASTING:** | 749,476.30 |
| **ELEVATION (NGVD 1988):** | 730.32 | | |
| **LATITUDE:** | 32° 33' 38.71" | **CONVERGENCE ANGLE:** | 00° 52' 05.49" |
| **LONGITUDE:** | -96° 54' 29.30" | **POINT SCALE FACTOR:** | 0.999909076440 |



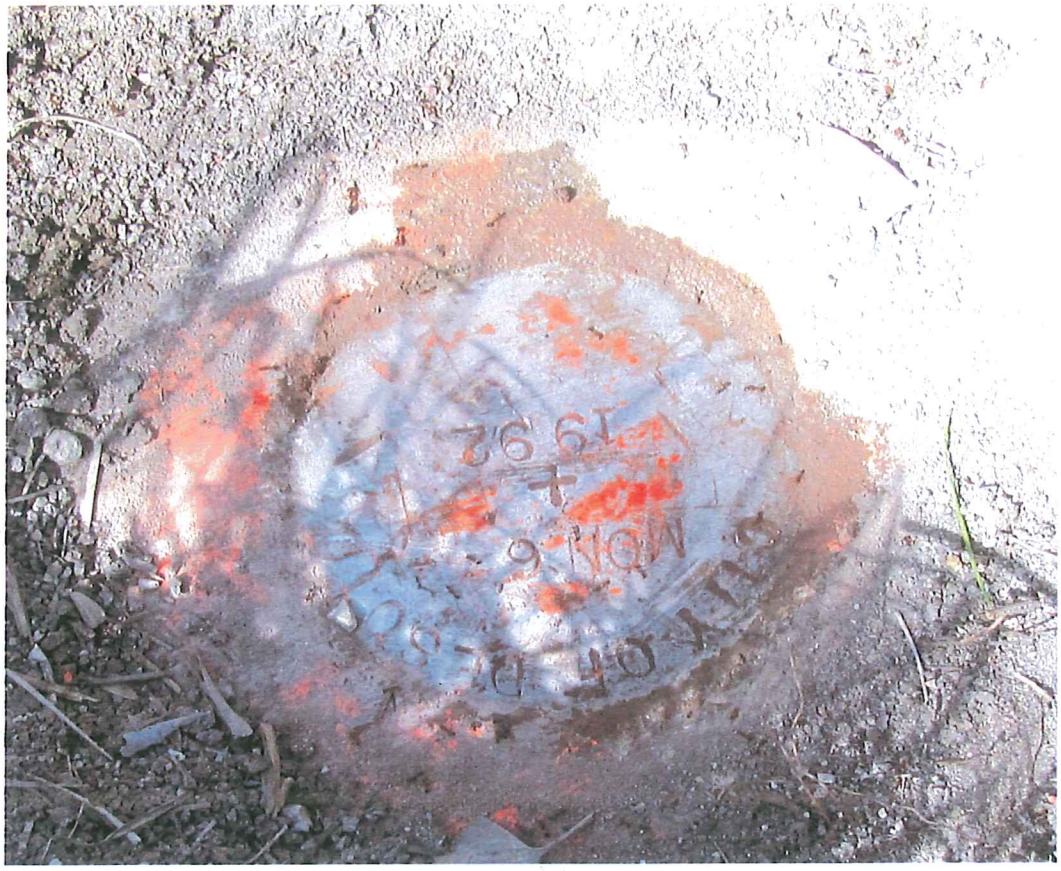

NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 6

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## S. DUNCANVILLE ROAD AND BEAR CREEK ROAD




**All photos of monuments are taken while facing North**

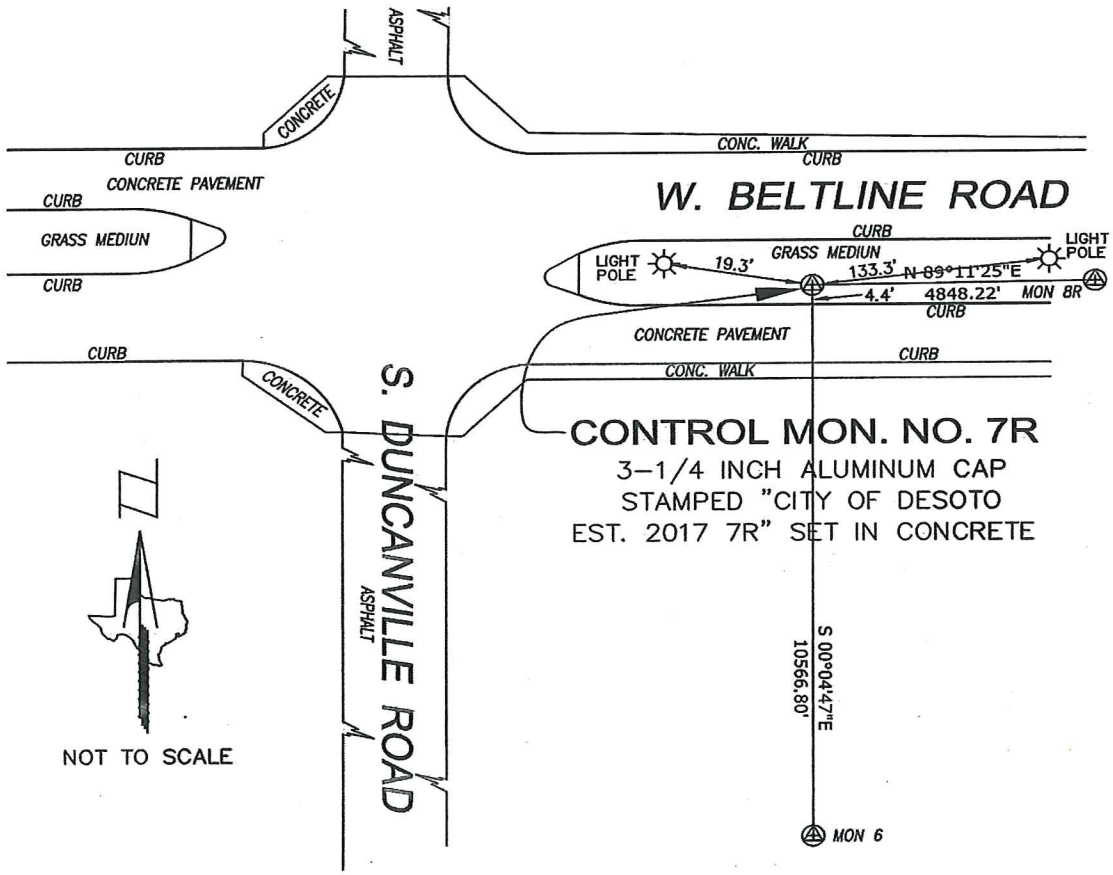
# DESOTO CONTROL MONUMENT 7R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 7R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,901,229.07 | **NORTHING:** | 2,103,494.62 |
| **EASTING:** | 2,458,897.04 | **EASTING:** | 749,471.82 |
| **ELEVATION (NGVD 1988):** | 744.74 | | |
| **LATITUDE:** | 32° 35' 23.26" | **CONVERGENCE ANGLE:** | 00° 52' 06.41" |
| **LONGITUDE:** | -96° 54' 27.61" | **POINT SCALE FACTOR:** | 0.999904893865 |



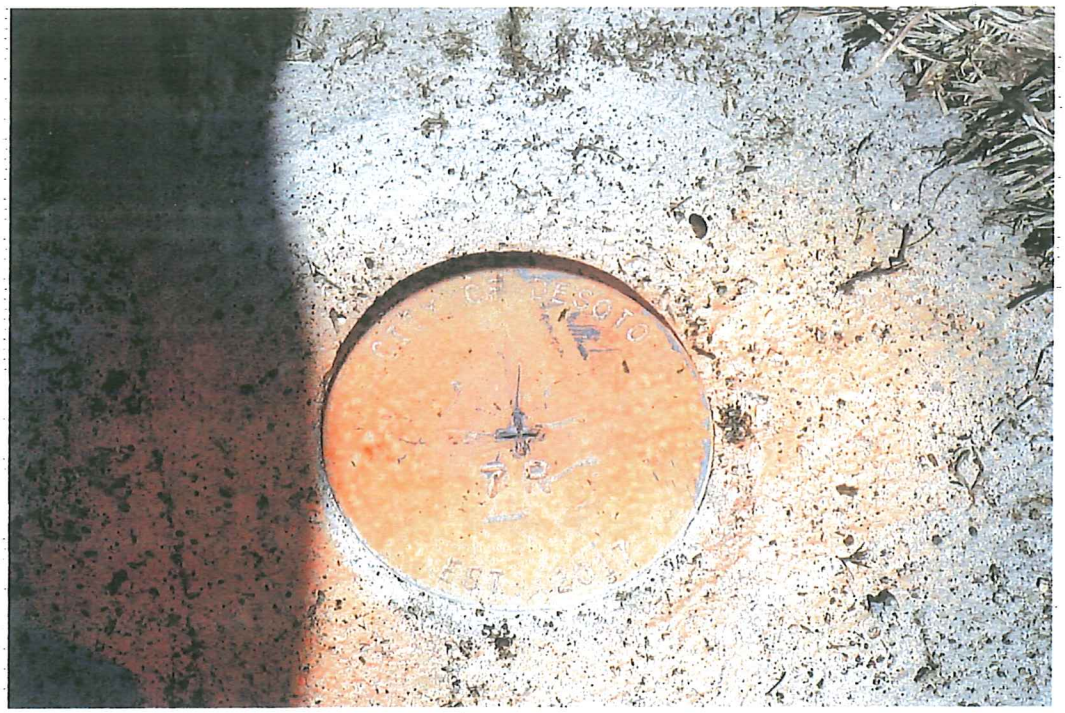

NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 7R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. BELTLINE ROAD AND S. DUNCANVILLE ROAD




**All photos of monuments are taken while facing North**

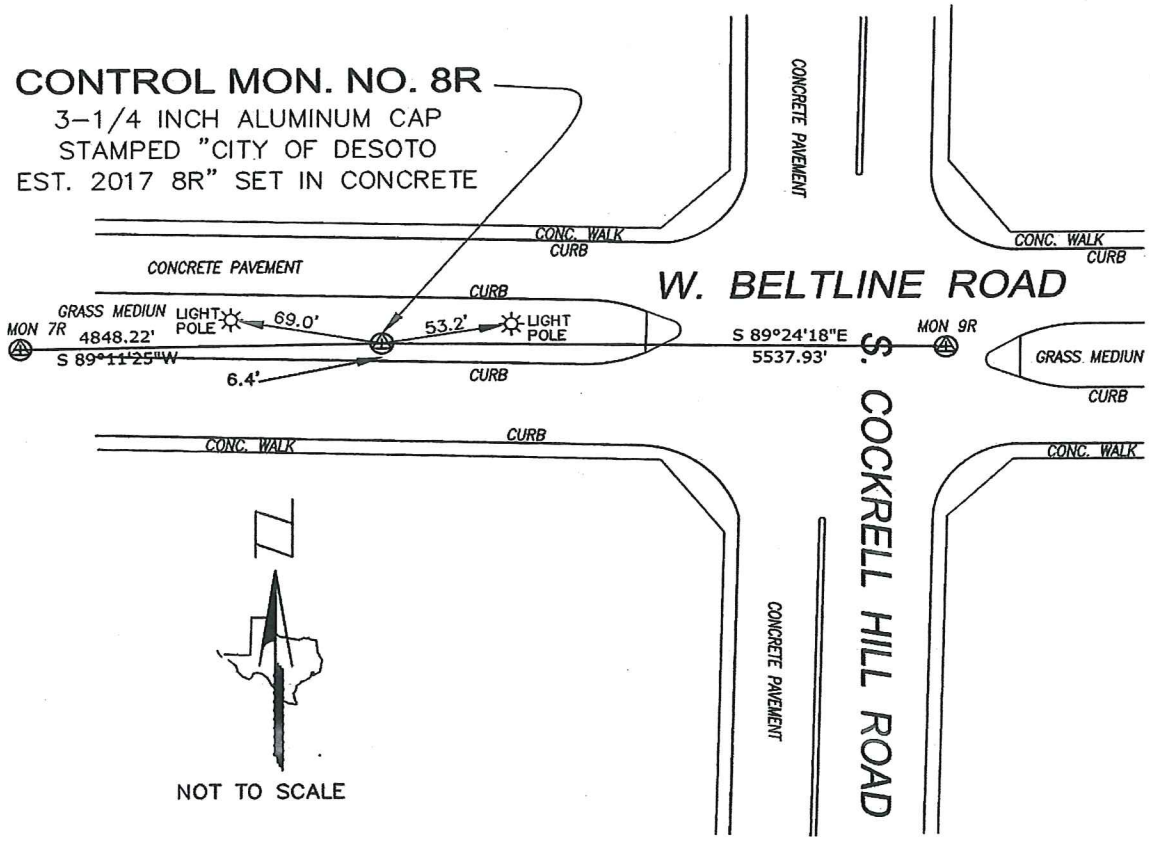
# DESOTO CONTROL MONUMENT 8R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 8R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,901,297.58 | **NORTHING:** | 2,103,515.50 |
| **EASTING:** | 2,463,744.79 | **EASTING:** | 750,949.41 |
| **ELEVATION (NGVD 1988):** | 730.65 | | |
| **LATITUDE:** | 32° 35' 23.21" | **CONVERGENCE ANGLE:** | 00° 52' 37.32" |
| **LONGITUDE:** | -96° 53' 30.94" | **POINT SCALE FACTOR:** | 0.999904895916 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 8R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. BELTLINE ROAD AND S. COCKRELL HILL ROAD

**All photos of monuments are taken while facing North**

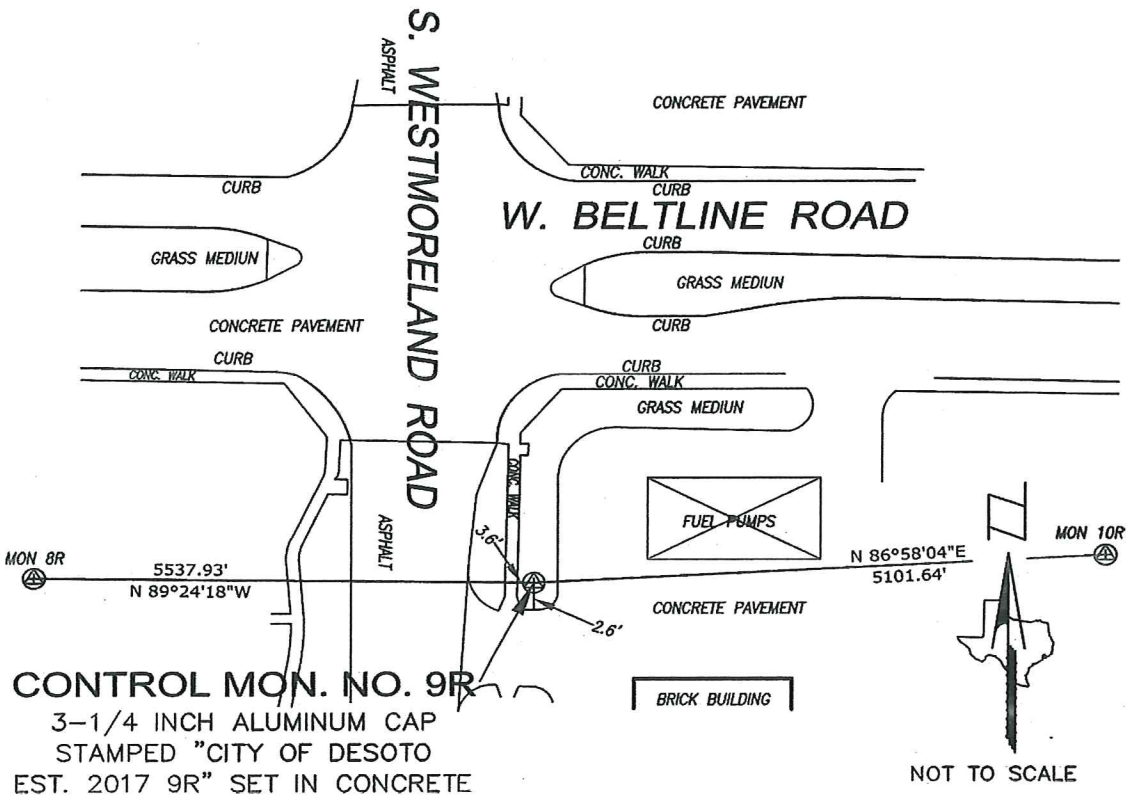
# DESOTO CONTROL MONUMENT 9R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 9R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,901,240.07 | **NORTHING:** | 2,103,497.97 |
| **EASTING:** | 2,469,282.41 | **EASTING:** | 752,637.28 |
| **ELEVATION (NGVD 1988):** | 710.18 | | |
| **LATITUDE:** | 32° 35' 21.79" | **CONVERGENCE ANGLE:** | 00° 53' 12.62" |
| **LONGITUDE:** | 96° 52' 26.22" | **POINT SCALE FACTOR:** | 0.999904950725 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 9R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. BELTLINE ROAD AND S. WESTMORELAND ROAD

**All photos of monuments are taken while facing North**

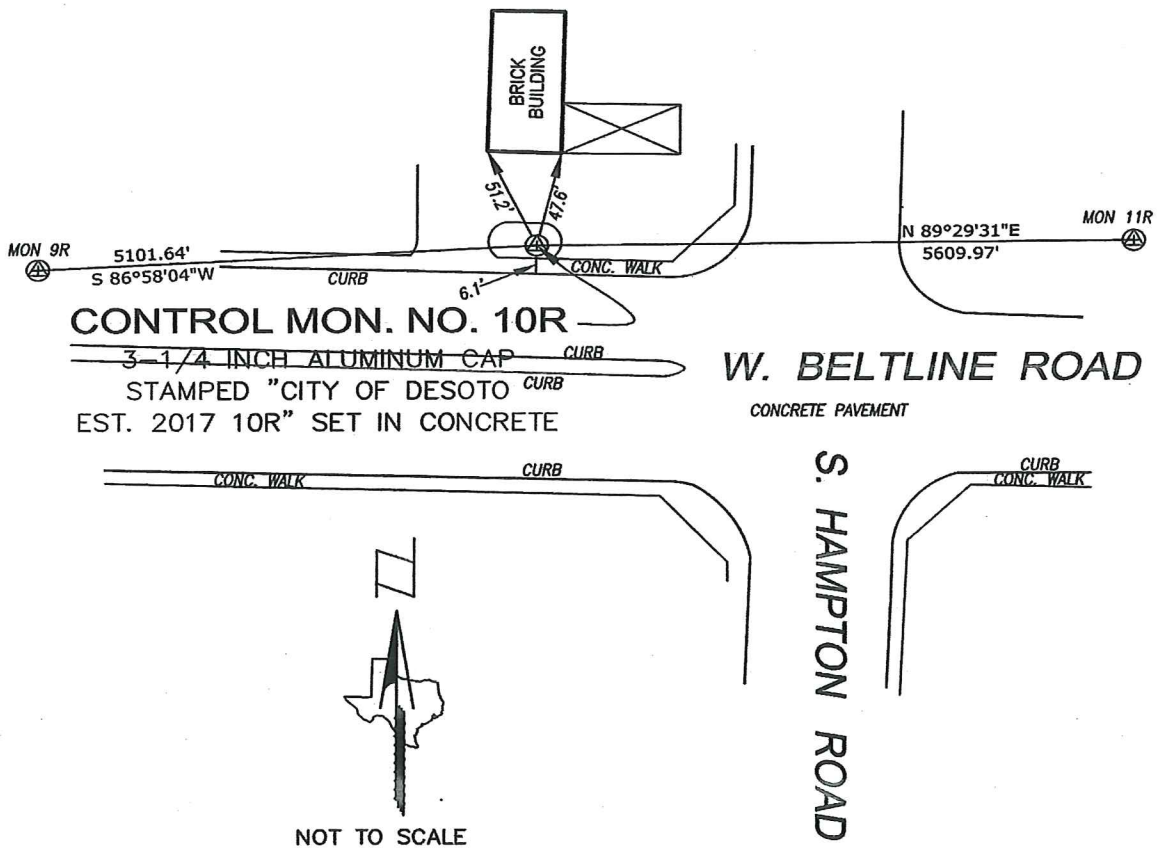
# DESOTO CONTROL MONUMENT 10R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 10R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,901,509.94 | **NORTHING:** | 2,103,580.23 |
| **EASTING:** | 2,474,376.91 | **EASTING:** | 754,190.08 |
| **ELEVATION (NGVD 1988):** | 665.63 | | |
| **LATITUDE:** | 32° 35' 23.68" | **CONVERGENCE ANGLE:** | 00° 53' 45.12" |
| **LONGITUDE:** | -96° 51' 26.64" | **POINT SCALE FACTOR:** | 0.999904877553 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 10R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. BELTLINE ROAD AND S. HAMPTON ROAD

**All photos of monuments are taken while facing North**

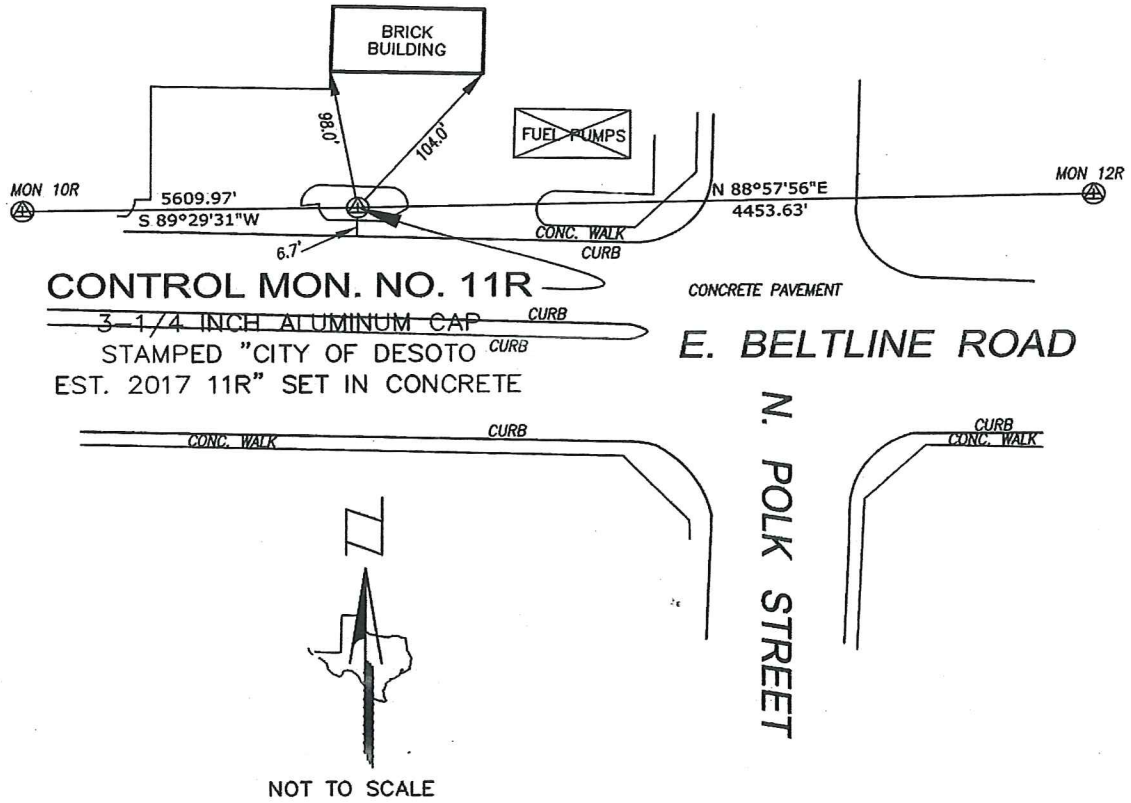
# DESOTO CONTROL MONUMENT 11R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 11R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,901,559.69 | **NORTHING:** | 2,103,595.39 |
| **EASTING:** | 2,479,986.66 | **EASTING:** | 755,899.93 |
| **ELEVATION (NGVD 1988):** | 617.68 | | |
| **LATITUDE:** | 32° 35' 23.30" | **CONVERGENCE ANGLE:** | 00° 54' 20.88" |
| **LONGITUDE:** | -96° 50' 21.06" | **POINT SCALE FACTOR:** | 0.999904892308 |



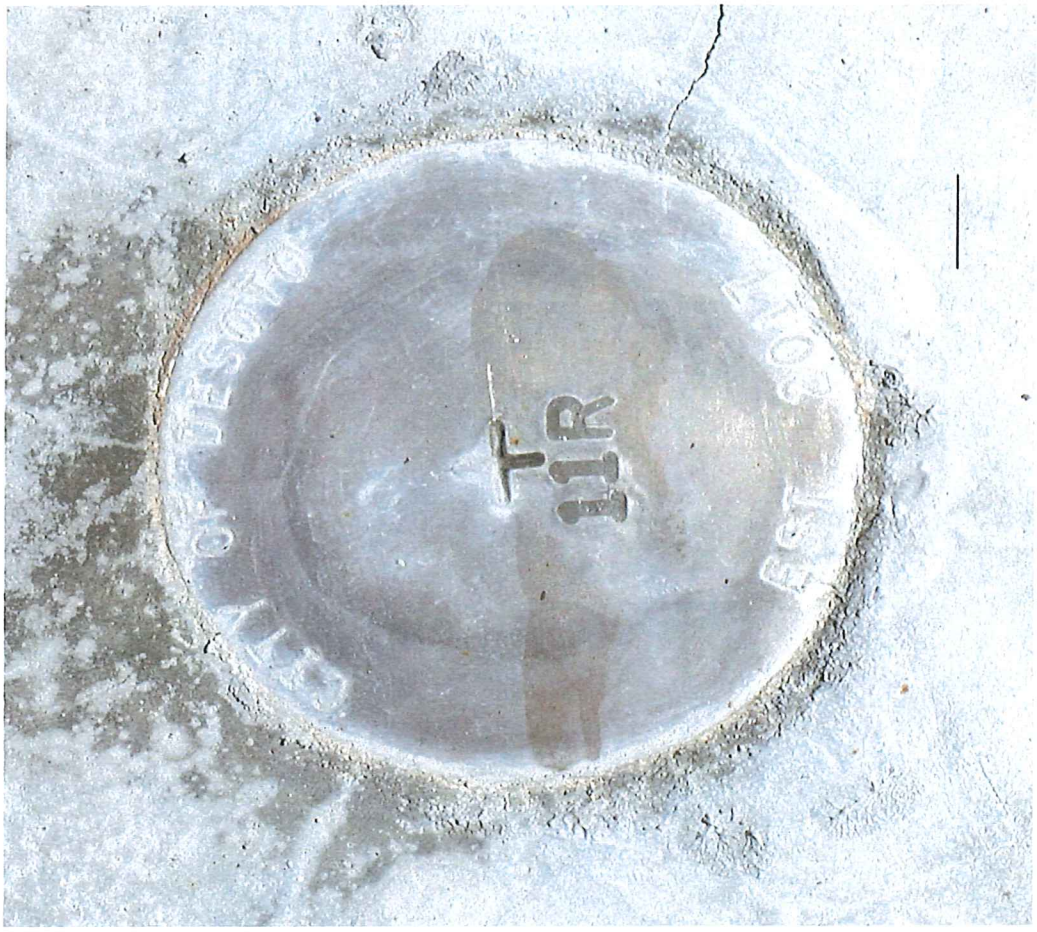

NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 11R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

## STATION DESCRIPTION

## E. BELTLINE ROAD AND N. POLK STREET




All photos of monuments are taken while facing North

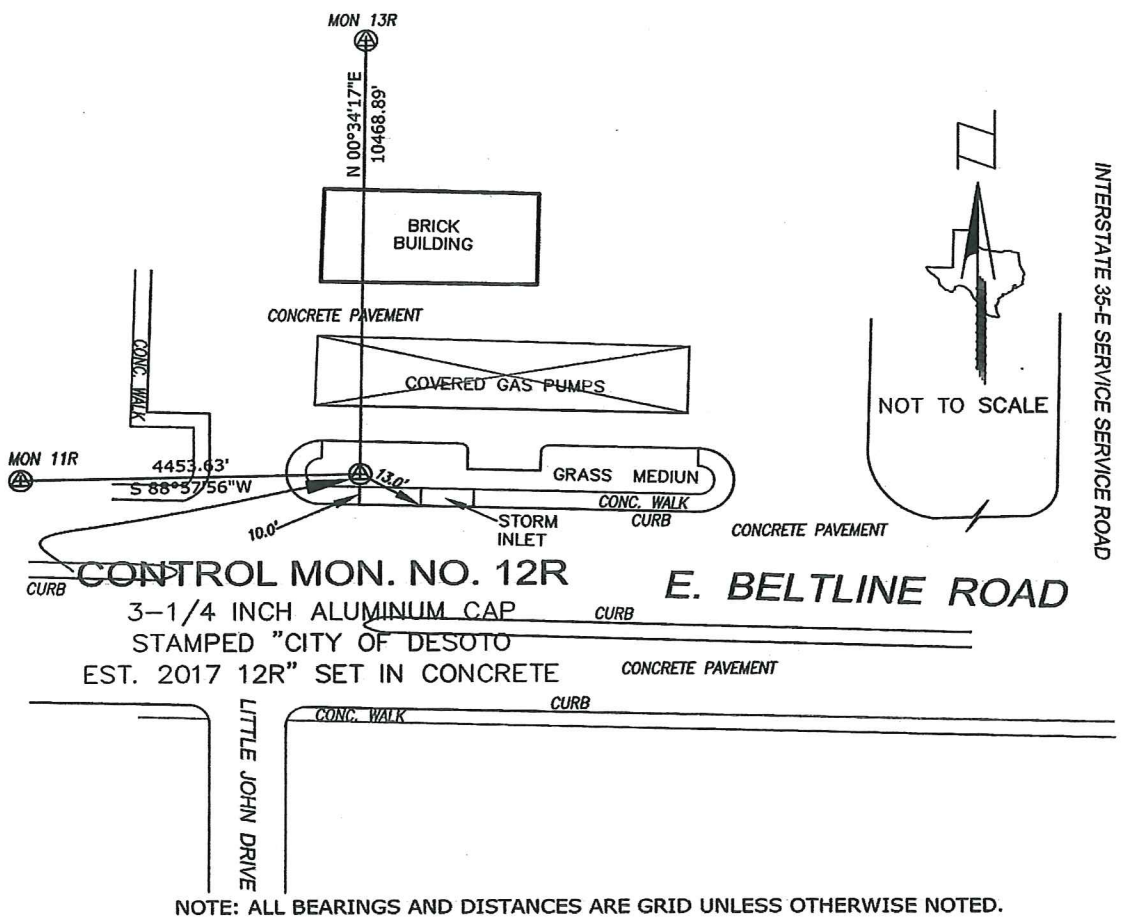
# DESOTO CONTROL MONUMENT 12R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est 2017 12R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,901,640.09 | **NORTHING:** | 2,103,619.90 |
| **EASTING:** | 2,484,439.56 | **EASTING:** | 757,257.18 |
| **ELEVATION (NGVD 1988):** | 538.71 | | |
| **LATITUDE:** | 32° 35' 23.40" | **CONVERGENCE ANGLE:** | 00° 54' 49.27" |
| **LONGITUDE:** | -96° 49' 29.01" | **POINT SCALE FACTOR:** | 0.999904888590 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 12R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## E. BELTLINE ROAD AND LITTLE JOHN DRIVE

**All photos of monuments are taken while facing North**

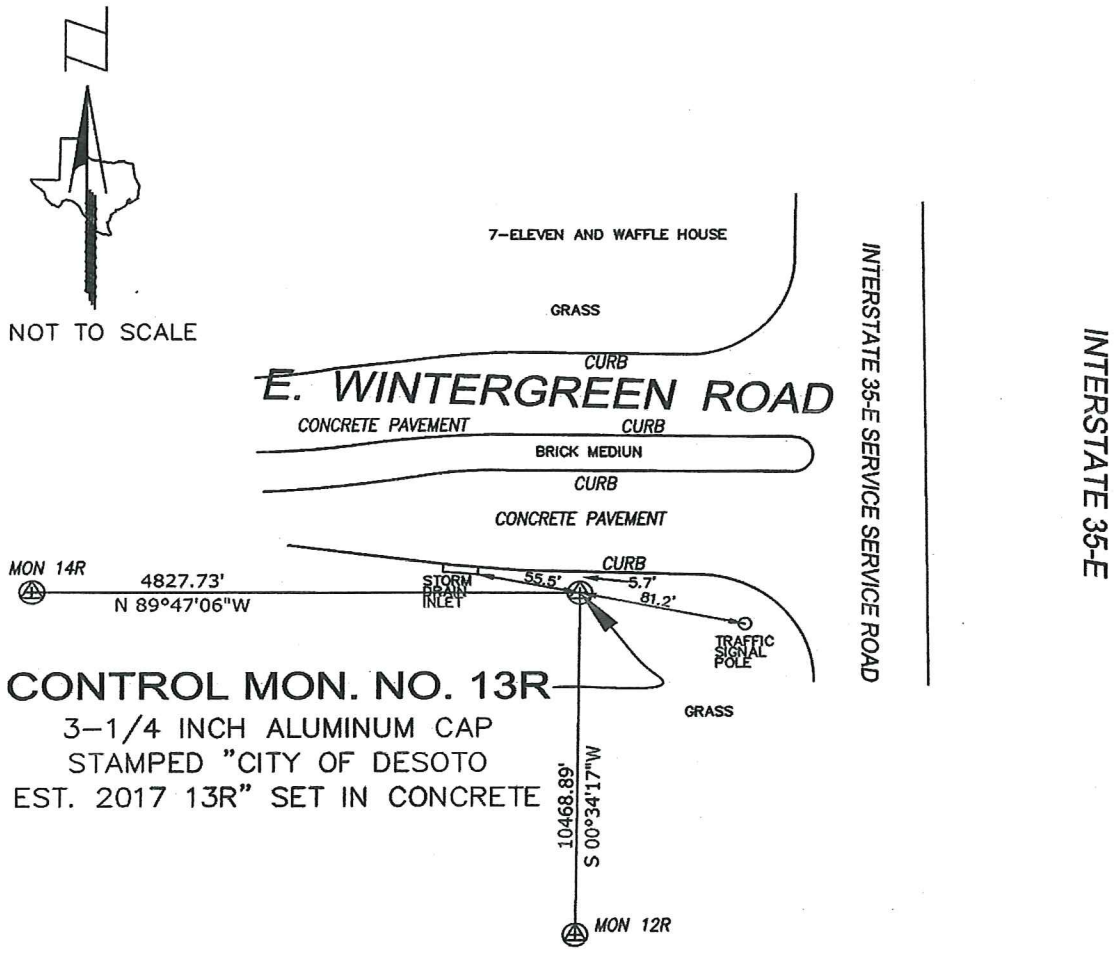
# DESOTO CONTROL MONUMENT 13R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 13R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,912,108.46 | **NORTHING:** | 2,106,810.66 |
| **EASTING:** | 2,484,543.97 | **EASTING:** | 757,289.00 |
| **ELEVATION (NGVD 1988):** | 620.36 | | |
| **LATITUDE:** | 32° 37' 06.96" | **CONVERGENCE ANGLE:** | 00° 54' 51.00" |
| **LONGITUDE:** | -96° 49' 25.83" | **POINT SCALE FACTOR:** | 0.999900996869 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 13R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## E. WINTERGREEN ROAD AND INTERSTATE 35-E

**All photos of monuments are taken while facing North**

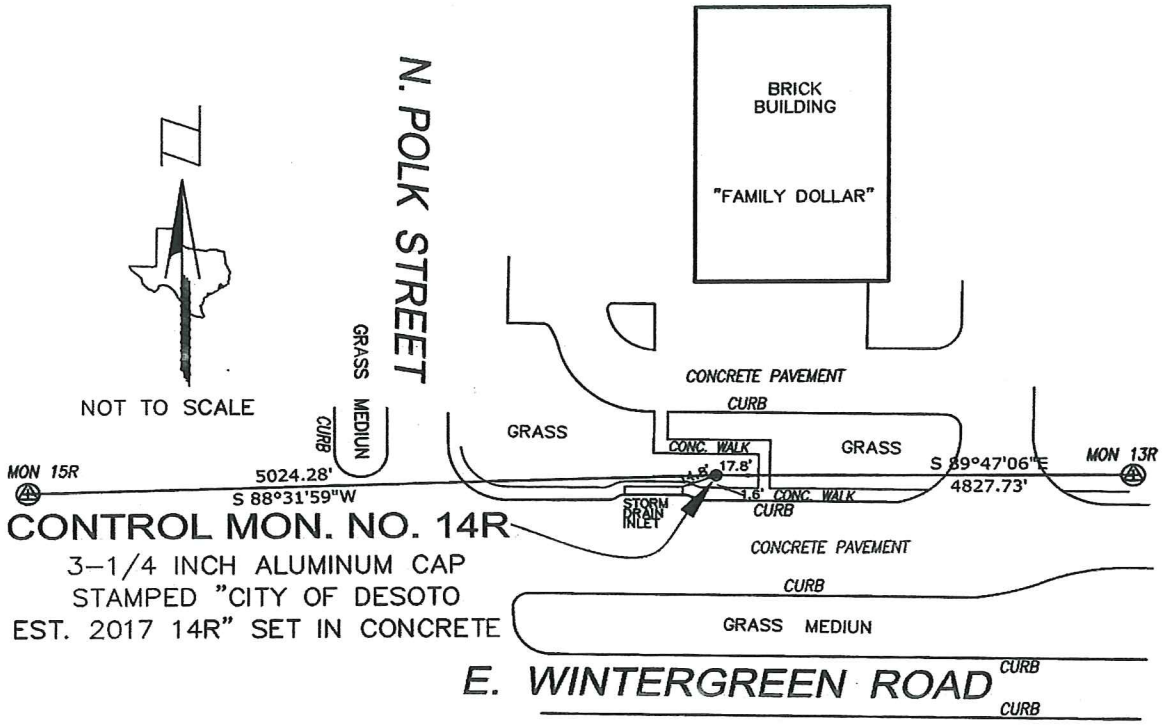
# DESOTO CONTROL MONUMENT 14R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 14R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,912,126.58 | **NORTHING:** | 2,106,816.18 |
| **EASTING:** | 2,479,716.27 | **EASTING:** | 755,817.52 |
| **ELEVATION (NGVD 1988):** | 632.74 | | |
| **LATITUDE:** | 32° 37' 07.90" | **CONVERGENCE ANGLE:** | 00° 54' 20.22" |
| **LONGITUDE:** | -96° 50' 22.27" | **POINT SCALE FACTOR:** | 0.999900962762 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 14R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## E. WINTERGREEN ROAD AND N. POLK STREET

**All photos of monuments are taken while facing North**

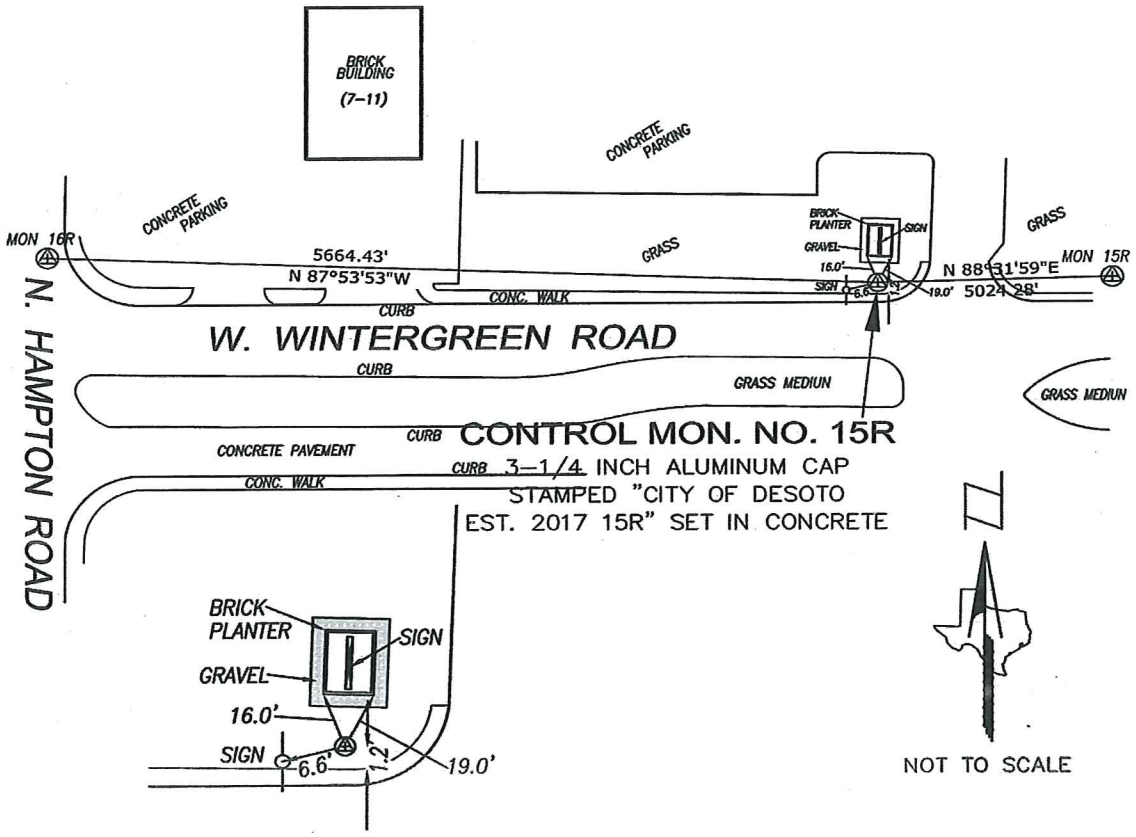
# DESOTO CONTROL MONUMENT 15R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 15R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,911,997.96 | **NORTHING:** | 2,106,776.98 |
| **EASTING:** | 2,474,693.64 | **EASTING:** | 754,286.62 |
| **ELEVATION (NGVD 1988):** | 604.48 | | |
| **LATITUDE:** | 32° 37' 07.40" | **CONVERGENCE ANGLE:** | 00° 53' 48.18" |
| **LONGITUDE:** | -96° 51' 21.02" | **POINT SCALE FACTOR:** | 0.999900980610 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 15R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. WINTERGREEN ROAD AND N. HAMPTON ROAD

**All photos of monuments are taken while facing North**

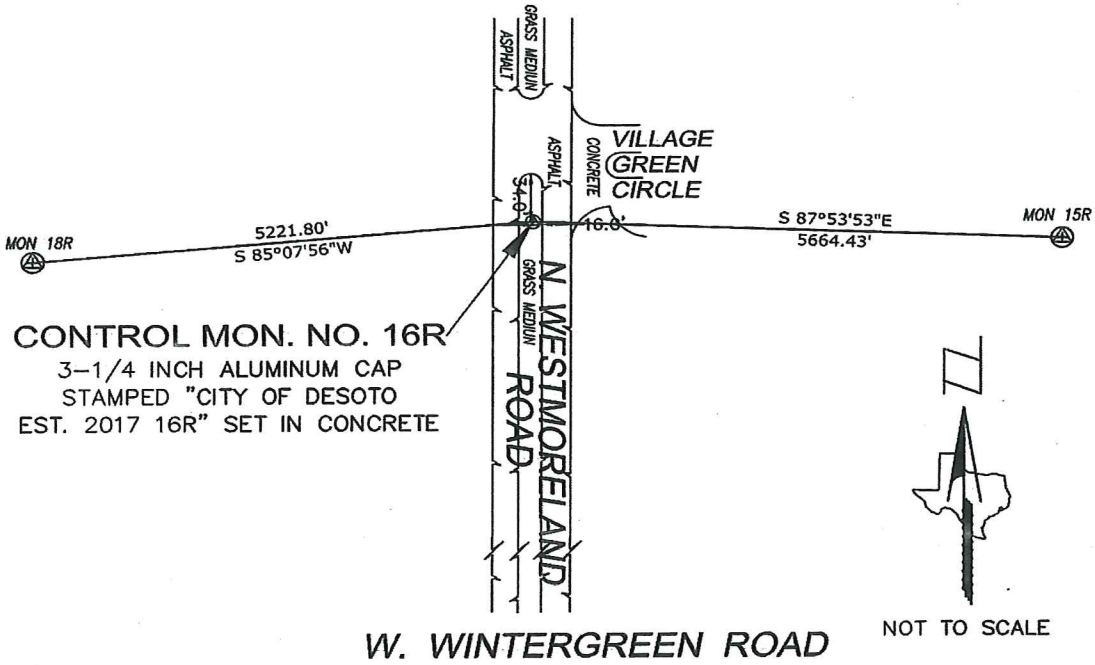
# DESOTO CONTROL MONUMENT 16R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 16R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,912,205.73 | **NORTHING:** | 2,106,840.31 |
| **EASTING:** | 2,469,033.02 | **EASTING:** | 752,561.26 |
| **ELEVATION (NGVD 1988):** | 597.43 | | |
| **LATITUDE:** | 32° 37' 10.33" | **CONVERGENCE ANGLE:** | 00° 53' 12.11" |
| **LONGITUDE:** | -96° 52' 27.16" | **POINT SCALE FACTOR:** | 0.999901004769 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 16R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. WINTERGREEN ROAD AND N. WESTMORELAND ROAD

**All photos of monuments are taken while facing North**

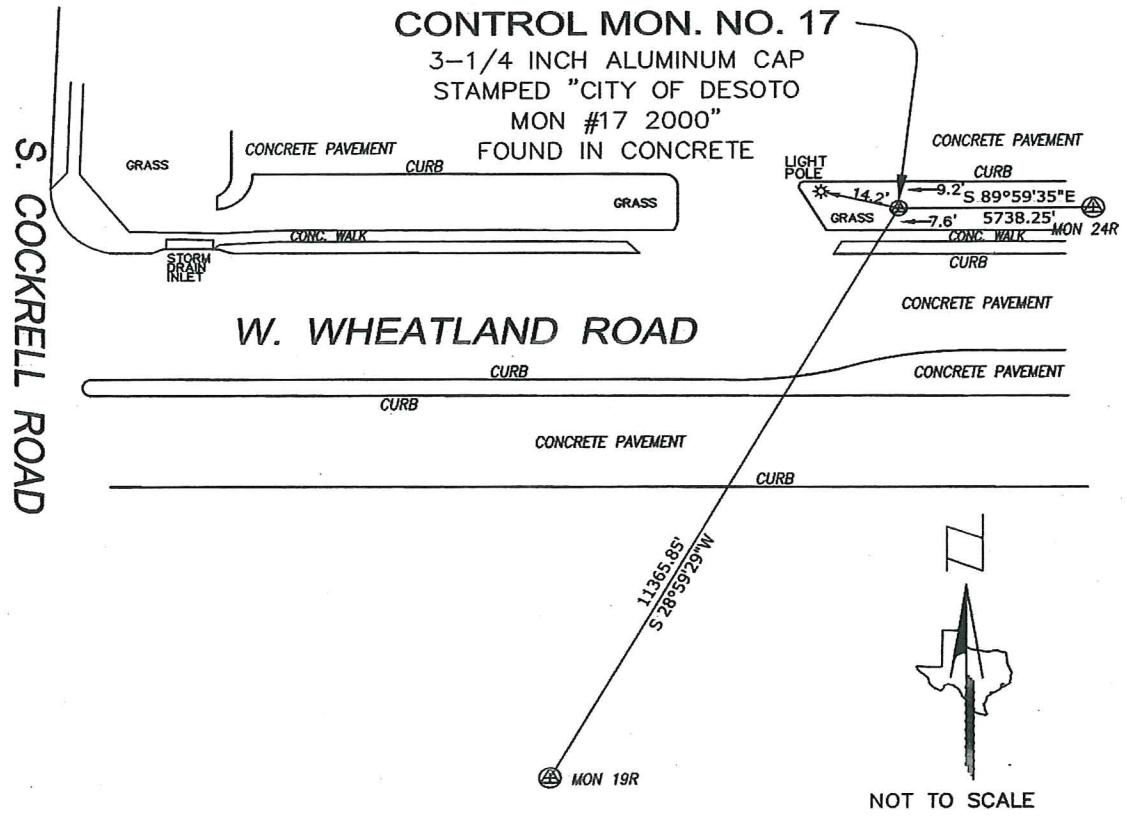
# DESOTO CONTROL MONUMENT 17

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto Mon #17 2000" found in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,922,347.41 | **NORTHING:** | 2,109,931.49 |
| **EASTING:** | 2,463,892.72 | **EASTING:** | 750,994.50 |
| **ELEVATION (NGVD 1988):** | 698.15 | | |
| **LATITUDE:** | 32° 38' 51.46" | **CONVERGENCE ANGLE:** | 00° 52' 41.32" |
| **LONGITUDE:** | -96° 53' 25.44" | **POINT SCALE FACTOR:** | 0.999897322790 |



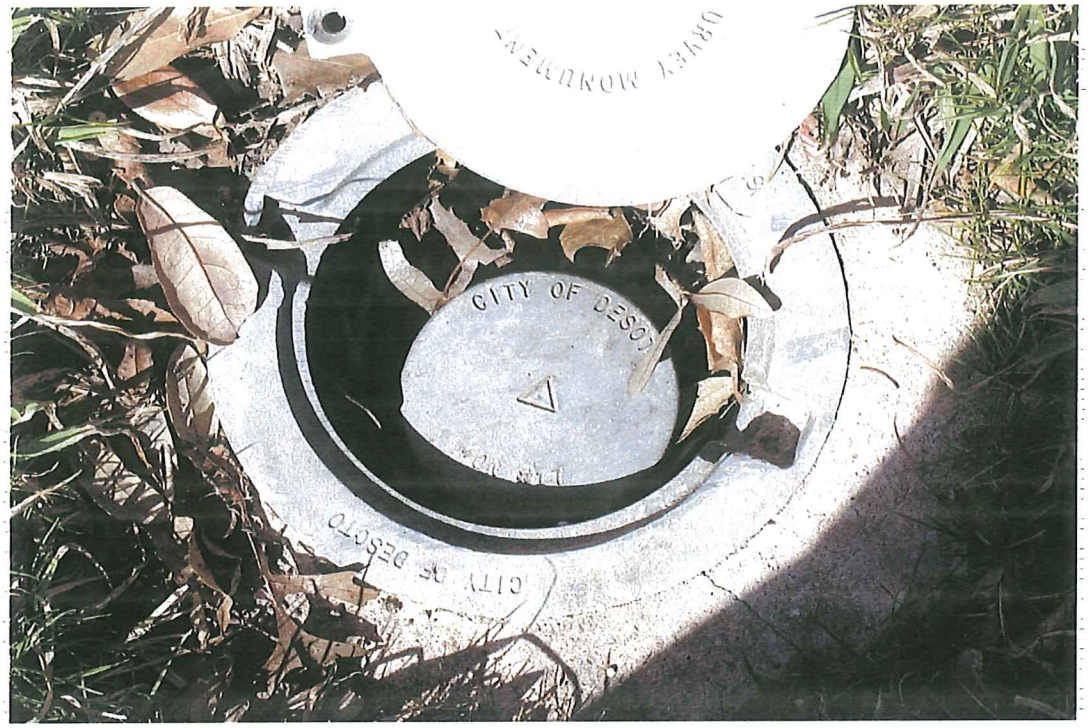

NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 17

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. WHEATLAND ROAD AND S. COCKRELL HILL ROAD




All photos of monuments are taken while facing North

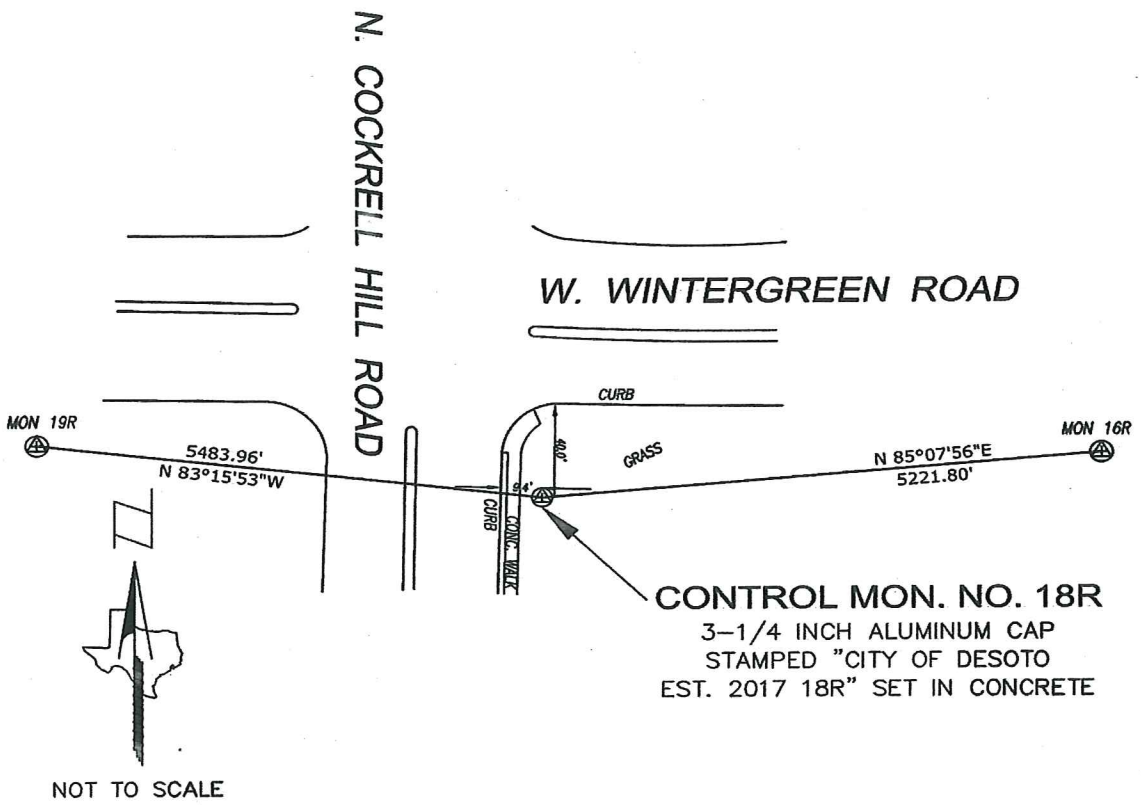
# DESOTO CONTROL MONUMENT 18R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 18R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,911,762.62 | **NORTHING:** | 2,106,705.24 |
| **EASTING:** | 2,463,830.05 | **EASTING:** | 750,975.40 |
| **ELEVATION (NGVD 1988):** | 632.39 | | |
| **LATITUDE:** | 32° 37' 06.74" | **CONVERGENCE ANGLE:** | 00° 52' 38.89" |
| **LONGITUDE:** | -96° 53' 28.07" | **POINT SCALE FACTOR:** | 0.999901004769 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 18R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## N. COCKRELL HILL ROAD AND W. WINTERGREEN ROAD

All photos of monuments are taken while facing North

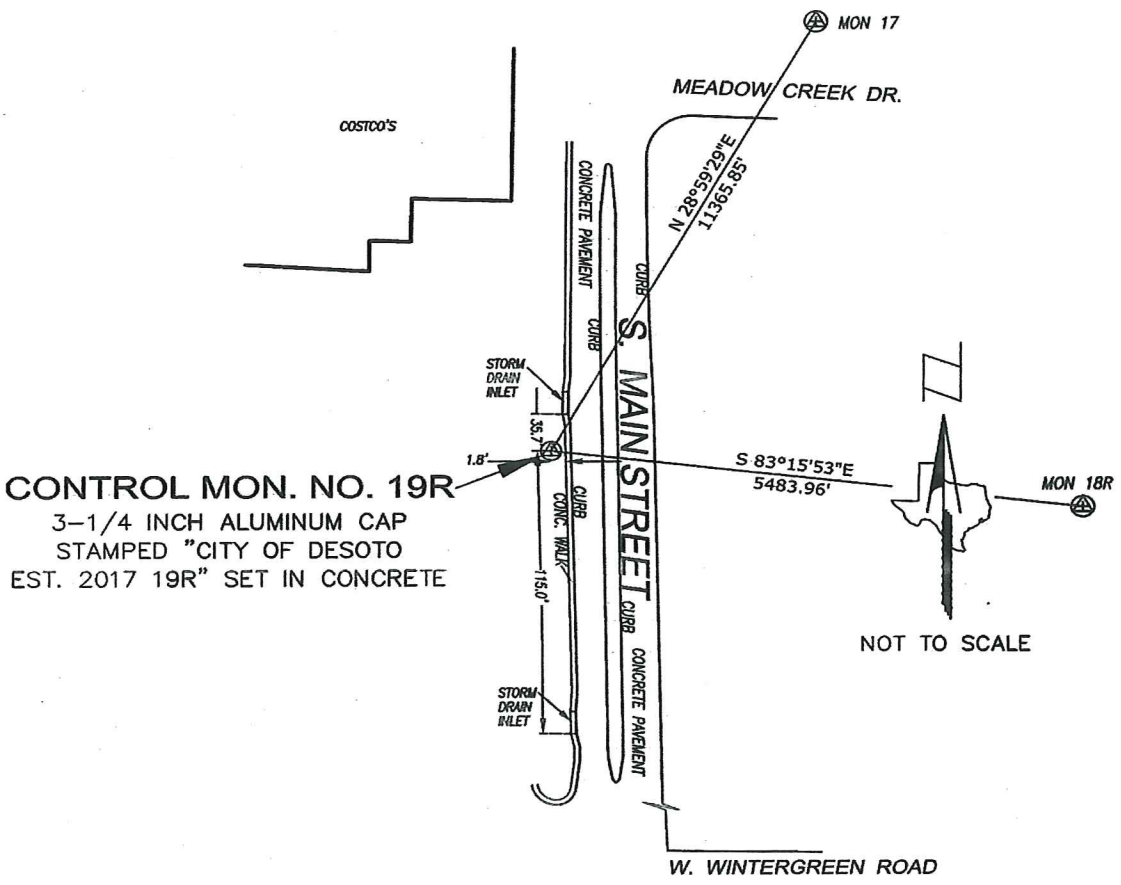
# DESOTO CONTROL MONUMENT 19R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 19R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,912,405.79 | **NORTHING:** | 2,106,901.28 |
| **EASTING:** | 2,458,383.94 | **EASTING:** | 749,315.42 |
| **ELEVATION (NGVD 1988):** | 684.23 | | |
| **LATITUDE:** | 32° 37' 13.92" | **CONVERGENCE ANGLE:** | 00° 52' 04.22" |
| **LONGITUDE:** | -96° 54' 31.62" | **POINT SCALE FACTOR:** | 0.999900744003 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 19R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## S. MAIN STREET AND W. WINTERGREEN ROAD

**All photos of monuments are taken while facing North**

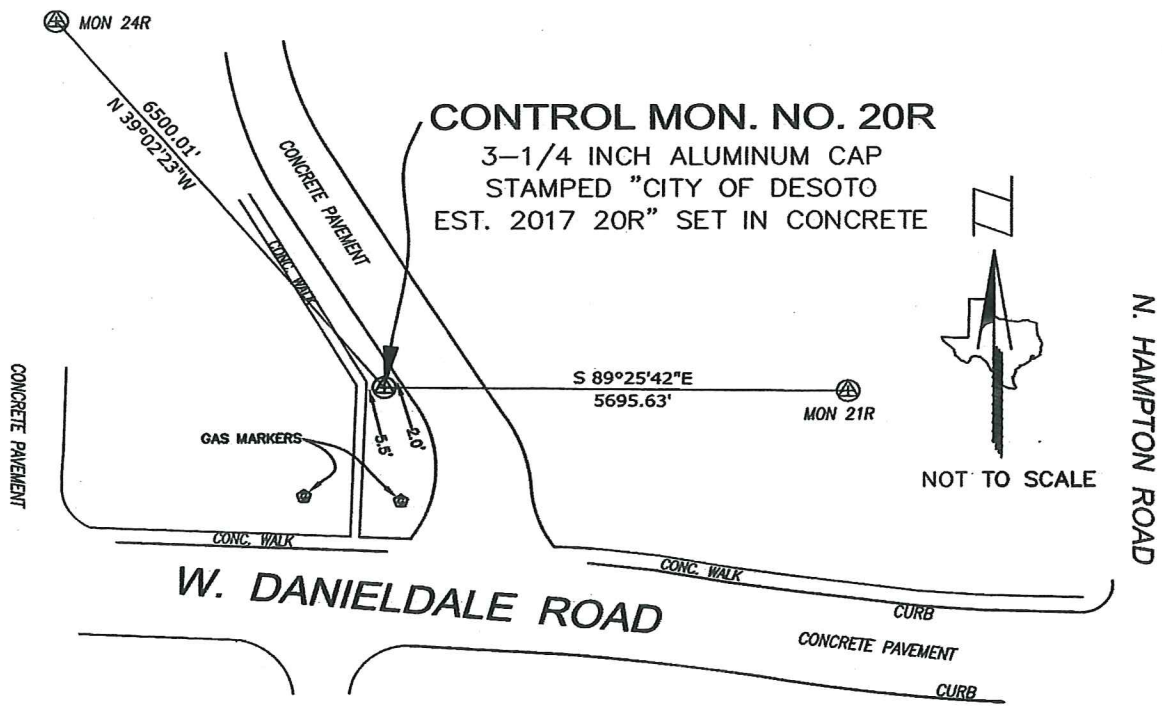
# DESOTO CONTROL MONUMENT 20R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 20R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,917,298.10 | **NORTHING:** | 2,108,392.46 |
| **EASTING:** | 2,473,725.06 | **EASTING:** | 753,991.40 |
| **ELEVATION (NGVD 1988):** | 666.53 | | |
| **LATITUDE:** | 32° 37' 59.99" | **CONVERGENCE ANGLE:** | 00° 53' 42.53" |
| **LONGITUDE:** | 96° 51' 31.37" | **POINT SCALE FACTOR:** | 0.9998991004014 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 20R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. DANIELDALE ROAD AND N. HAMPTON ROAD

**All photos of monuments are taken while facing North**

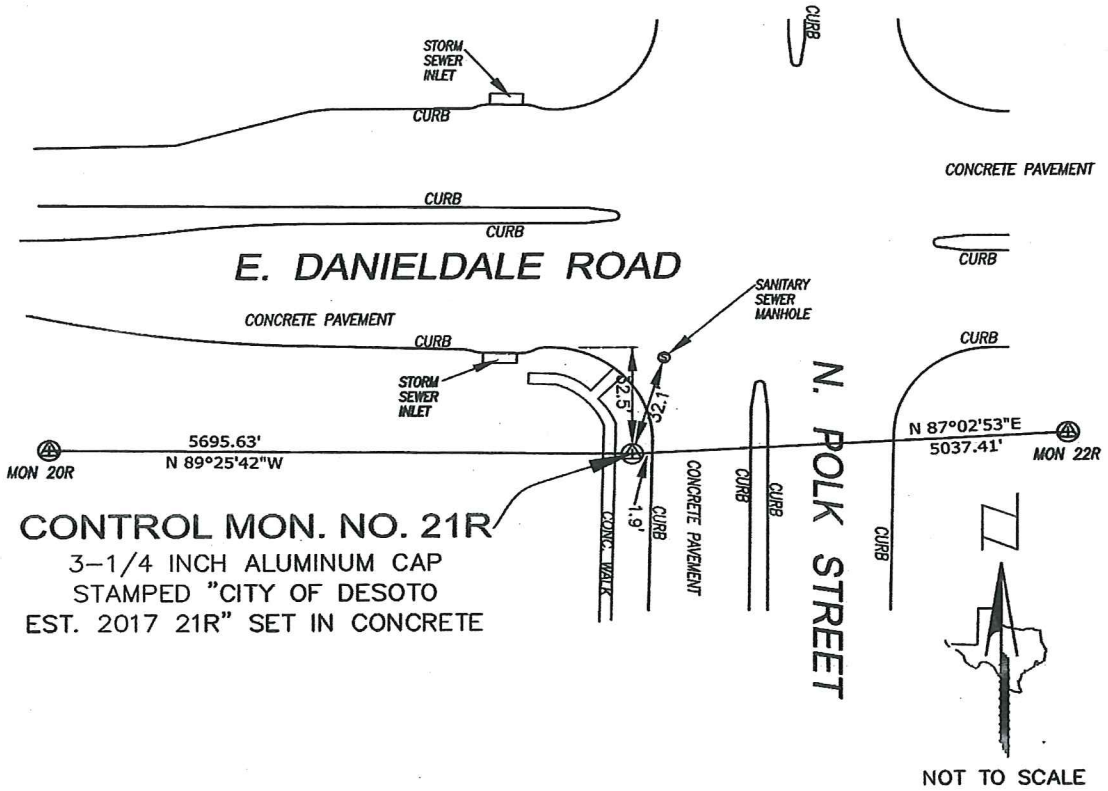
# DESOTO CONTROL MONUMENT 21R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 21R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,917,241.26 | **NORTHING:** | 2,108,375.14 |
| **EASTING:** | 2,479,420.41 | **EASTING:** | 755,727.34 |
| **ELEVATION (NGVD 1988):** | 648.48 | | |
| **LATITUDE:** | 32° 37' 58.55" | **CONVERGENCE ANGLE:** | 00° 54' 18.85" |
| **LONGITUDE:** | -96° 50' 24.79" | **POINT SCALE FACTOR:** | 0.999899151301 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 21R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## E. DANIELDALE ROAD AND N. POLK STREET

All photos of monuments are taken while facing North

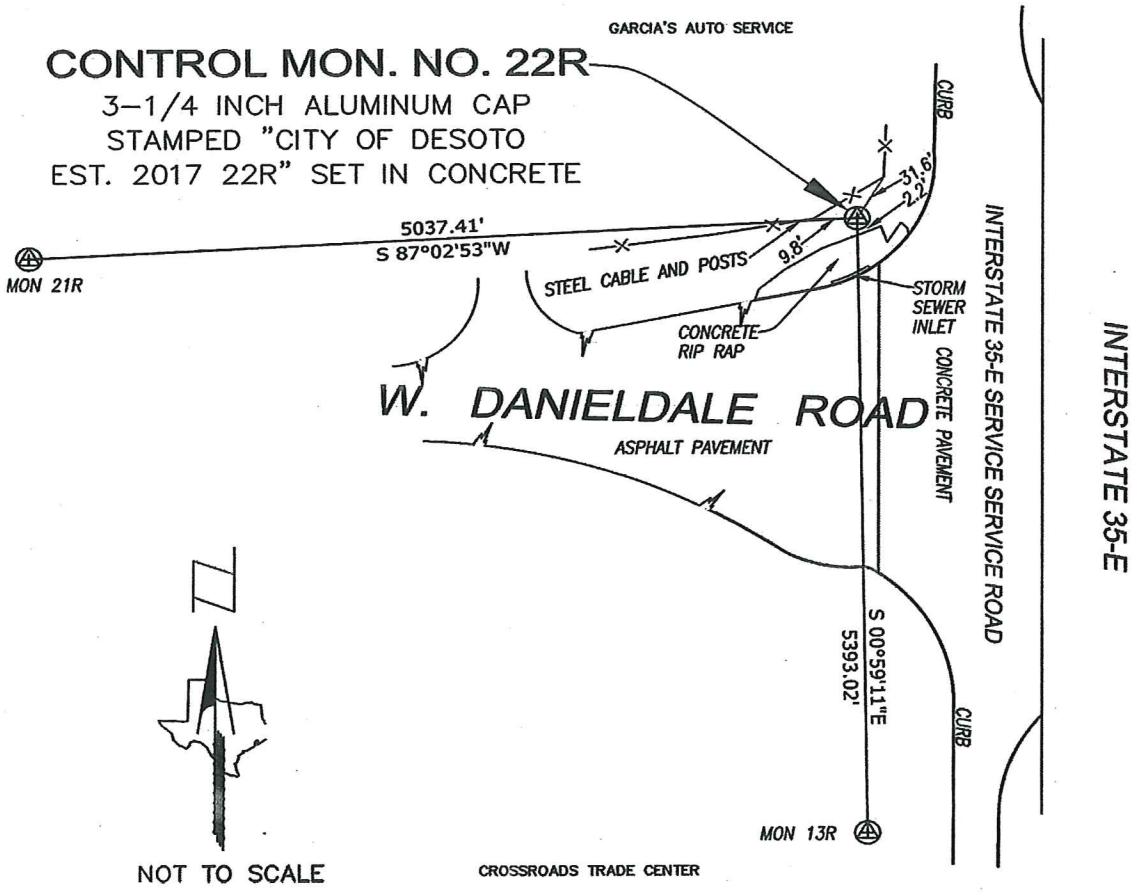
# DESOTO CONTROL MONUMENT 22R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,917,500.68 | **NORTHING:** | 2,108,454.21 |
| **EASTING:** | 2,484,451.13 | **EASTING:** | 757,260.70 |
| **ELEVATION (NGVD 1988):** | 669.45 | | |
| **LATITUDE:** | 32° 38' 00.32" | **CONVERGENCE ANGLE:** | 00° 54' 50.96" |
| **LONGITUDE:** | -96° 49' 25.91" | **POINT SCALE FACTOR:** | 0.999899088854 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 22R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. DANIELDALE ROAD AND INTERSTATE 35-E

All photos of monuments are taken while facing North

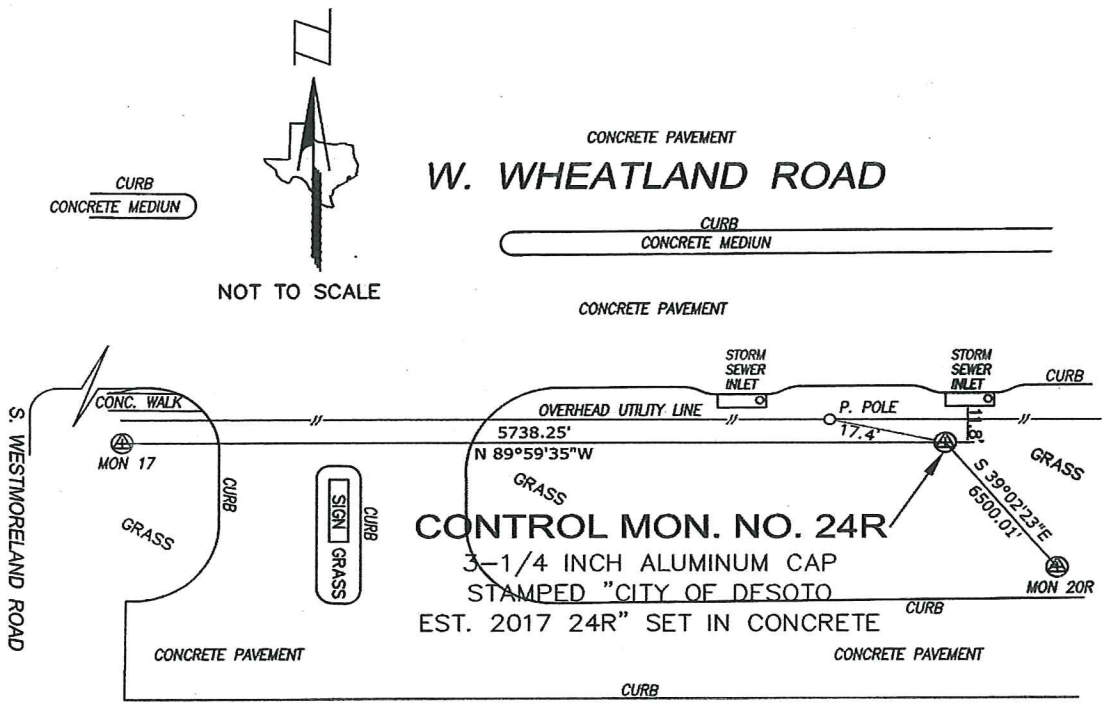
# DESOTO CONTROL MONUMENT 24R

## TEXAS COORDINATE SYSTEM - NORTH CENTRAL ZONE

| | | | |
|---|---|---|---|
| **MONUMENT TYPE:** | 3-1/4" Aluminum cap stamped "City of DeSoto est. 2017 24R" set in concrete | | |
| **ORDER:** | 2nd | STATE: | Texas |
| **SURVEY METHOD:** | GPS | ZONE: | NC |
| | | CODE: | 4202 |
| SURVEYOR: | PRISM SURVEYS, INC. | PREPARED BY: | JWM |

## NAD 1983 DATUM

| COORDINATES IN FEET (U.S.) | | COORDINATES IN METERS | |
|---|---|---|---|
| **NORTHING:** | 6,922,346.72 | **NORTHING:** | 2,109,931.28 |
| **EASTING:** | 2,469,630.67 | **EASTING:** | 752,743.43 |
| **ELEVATION (NGVD 1988):** | 704.99 | | |
| **LATITUDE:** | 32° 38' 50.58" | **CONVERGENCE ANGLE:** | 00° 53' 16.92" |
| **LONGITUDE:** | -96° 52' 18.33" | **POINT SCALE FACTOR:** | 0.999897352730 |




NOTE: ALL BEARINGS AND DISTANCES ARE GRID UNLESS OTHERWISE NOTED.

# DESOTO CONTROL MONUMENT 24R

## TEXAS COORDINATE SYSTEM -- NORTH CENTRAL ZONE

## STATION DESCRIPTION

## W. WHEATLAND ROAD AND S. WESTMORELAND ROAD

All photos of monuments are taken while facing North