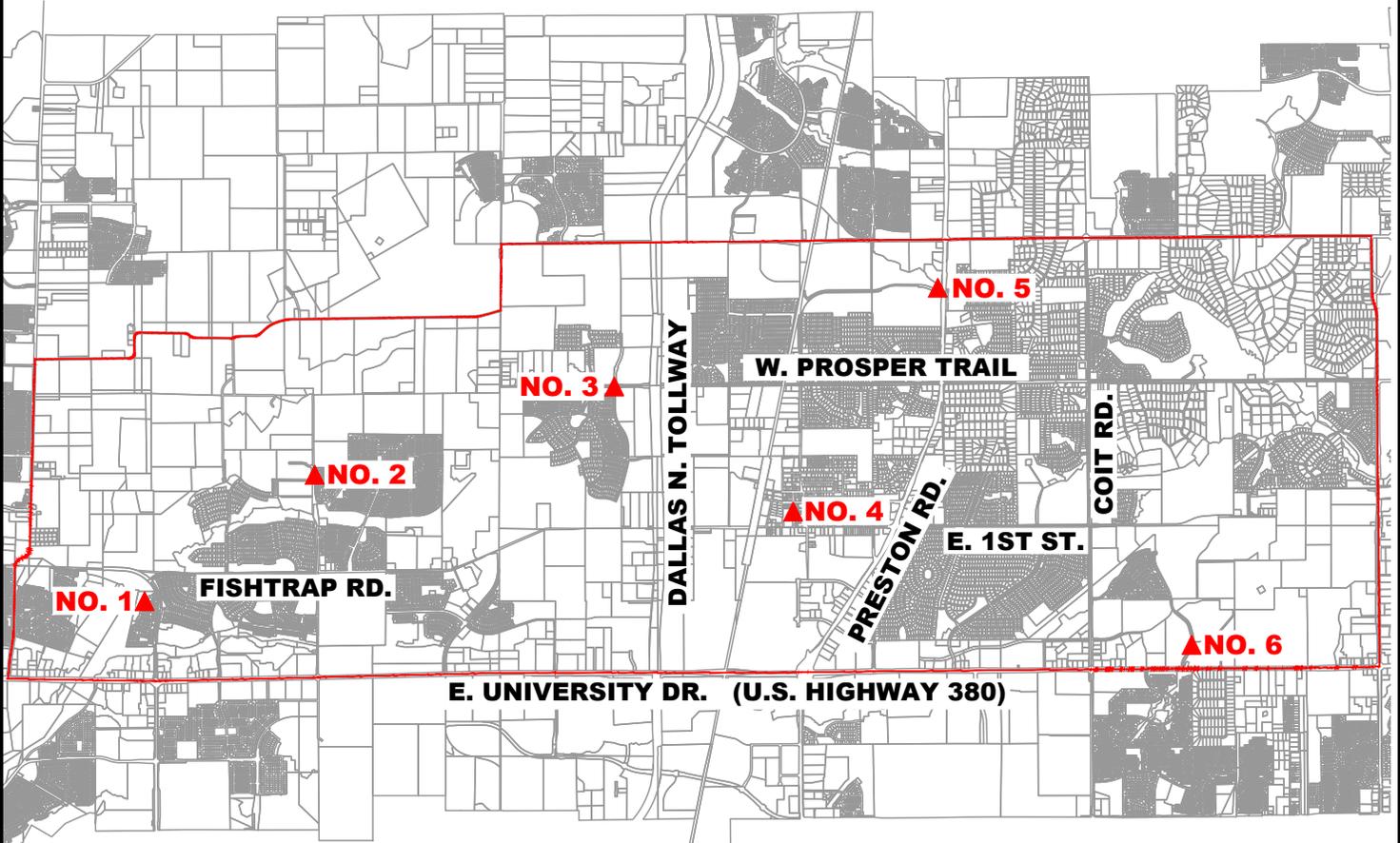


# TOWN OF PROSPER GEODETIC CONTROL MONUMENT NETWORK MAP



PREPARED BY  
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## GPS CONTROL NETWORK PROJECT SUMMARY

1. In August of 2020 Teague Nall and Perkins, Inc. (tnp) assisted The Town of Prosper in the establishment of the Town's Geodetic Control Monument Network by helping to set and identify the coordinates for six Control Monuments within the Town. All observations were a minimum of (4) hours. Data reduction was completed using the National Geodetic Survey (NGS) Online Positioning User Service (OPUS) on all sites.
2. The published coordinates for all of the monuments in the system are GRID values. The attached data sheets for each monument is reported in Meters and U.S. Survey Feet detailing the coordinates, elevation, point scale factor, combined scale factor, latitudes and longitude of each monument.
3. The Horizontal datum is based on the Texas Coordinate System of 1983, Texas North Central Zone (4202) in U.S. Survey Feet, NAD 83(2011) (EPOCH:2010.0000).
4. The vertical datum is based on NAVD 88 completed using GEOID 18.

# TOWN OF PROSPER GEODETIC CONTROL MONUMENT



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DATE RECORDED	STATION NO.	STATION DESCRIPTION	
08/26/2020	NO. 1	BRONZE DISK STAMPED "TOWN OF PROSPER SURVEY MONUMENT" LOCATED ON THE NORTHWEST CORNER OF A CURB INLET LYING ON THE WEST SIDE OF COTTONROSE LANE +80' SOUTH OF THE INTERSECTION OF COTTONROSE LANE AND PERENNIAL WAY.	
NORTH AMERICAN DATUM - 1983 (2011) TEXAS NORTH CENTRAL ZONE (4202)			
LATITUDE	33° 13' 36.99174" N		
LONGITUDE	96° 52' 53.30388" W		
NORTHING (Y)	2174181.099 (meters)	7133125.822 (feet)	
EASTING (X)	750843.624 (meters)	2463392.790 (feet)	
GRID SCALE FACTOR	0.99987728		
COMBINED SCALE FACTOR	0.99985485		
ELEVATION (NAVD88-GEOID12B)	168.930 (meters)	554.23 (feet)	

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DATE RECORDED	STATION NO.	STATION DESCRIPTION	
08/26/2020	NO. 2	BRONZE DISK STAMPED "TOWN OF PROSPER SURVEY MONUMENT" LOCATED ON THE NORTHEAST CORNER OF A CURB INLET LYING ON THE EAST SIDE OF S. TEEL PARKWAY +75' NORTH OF THE INTERSECTION OF S. TEEL PARKWAY AND GOVERNORS ISLAND WAY.	
NORTH AMERICAN DATUM - 1983 (2011) TEXAS NORTH CENTRAL ZONE (4202)			
LATITUDE	33° 14' 21.96769" N		
LONGITUDE	96° 51' 38.62001" W		
NORTHING (Y)	2175596.356 (meters)	7137769.045 (feet)	
EASTING (X)	752755.293 (meters)	2469664.657 (feet)	
GRID SCALE FACTOR	0.99987797		
COMBINED SCALE FACTOR	0.99985410		
ELEVATION (NAVD88-GEOID12B)	178.033 (meters)	584.10 (feet)	

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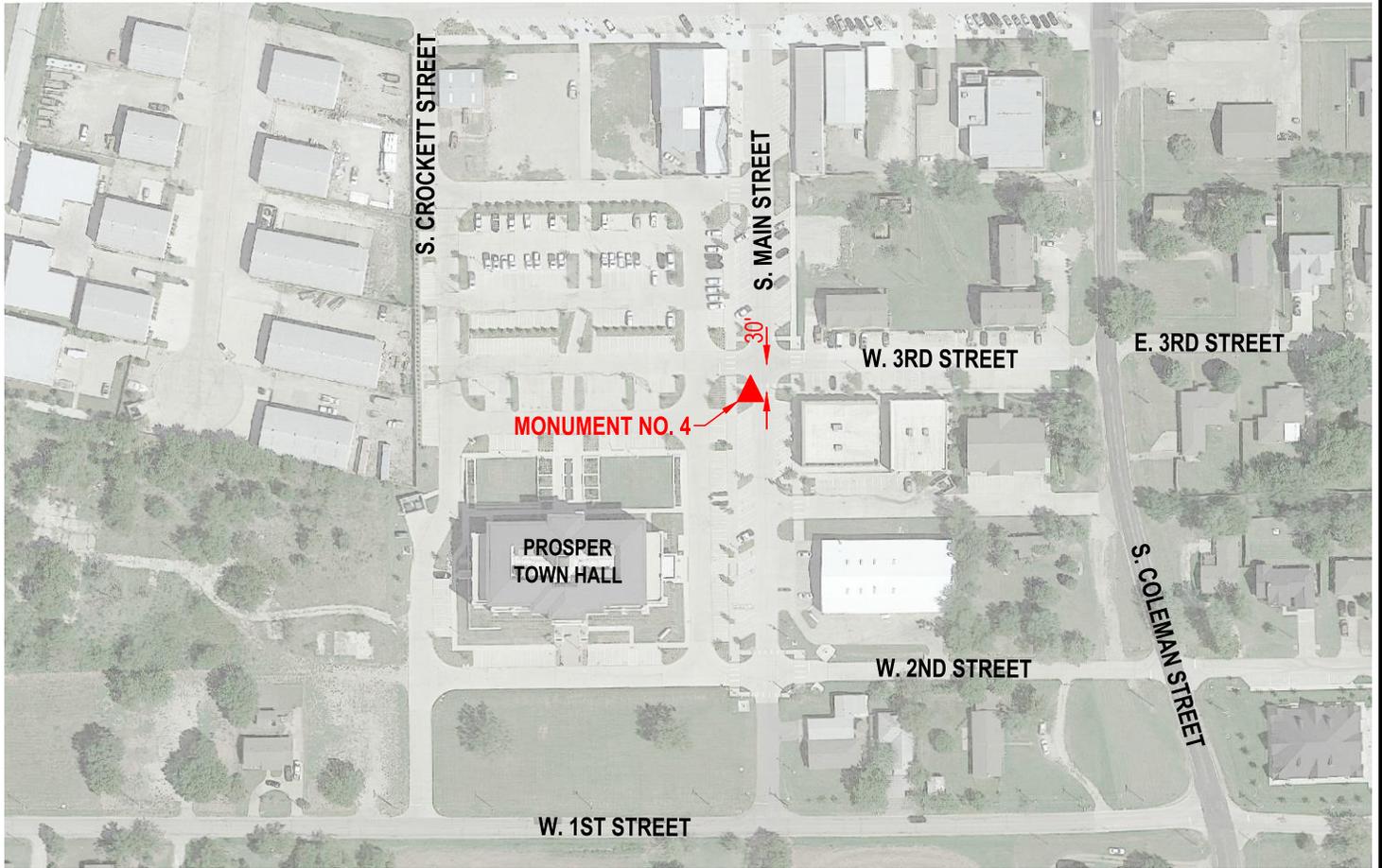


DATE RECORDED	STATION NO.	STATION DESCRIPTION	
08/26/2020	NO. 3	BRONZE DISK STAMPED "TOWN OF PROSPER SURVEY MONUMENT" LOCATED ON THE NORTHWEST CORNER OF A CURB INLET LYING ON THE WEST SIDE OF SHAWNEE TRAIL +90' SOUTH OF THE INTERSECTION OF SHAWNEE TRAIL AND W. PROSPER TRAIL.	
NORTH AMERICAN DATUM - 1983 (2011) TEXAS NORTH CENTRAL ZONE (4202)			
LATITUDE		33° 14' 52.61399" N	
LONGITUDE		96° 49' 28.05931" W	
NORTHING (Y)		2176593.590 (meters)	7141040.803 (feet)
EASTING (X)		756119.475 (meters)	2480701.977 (feet)
GRID SCALE FACTOR		0.99987847	
COMBINED SCALE FACTOR		0.99985310	
ELEVATION (NAVD88-GEOID12B)		187.481 (meters)	615.09 (feet)

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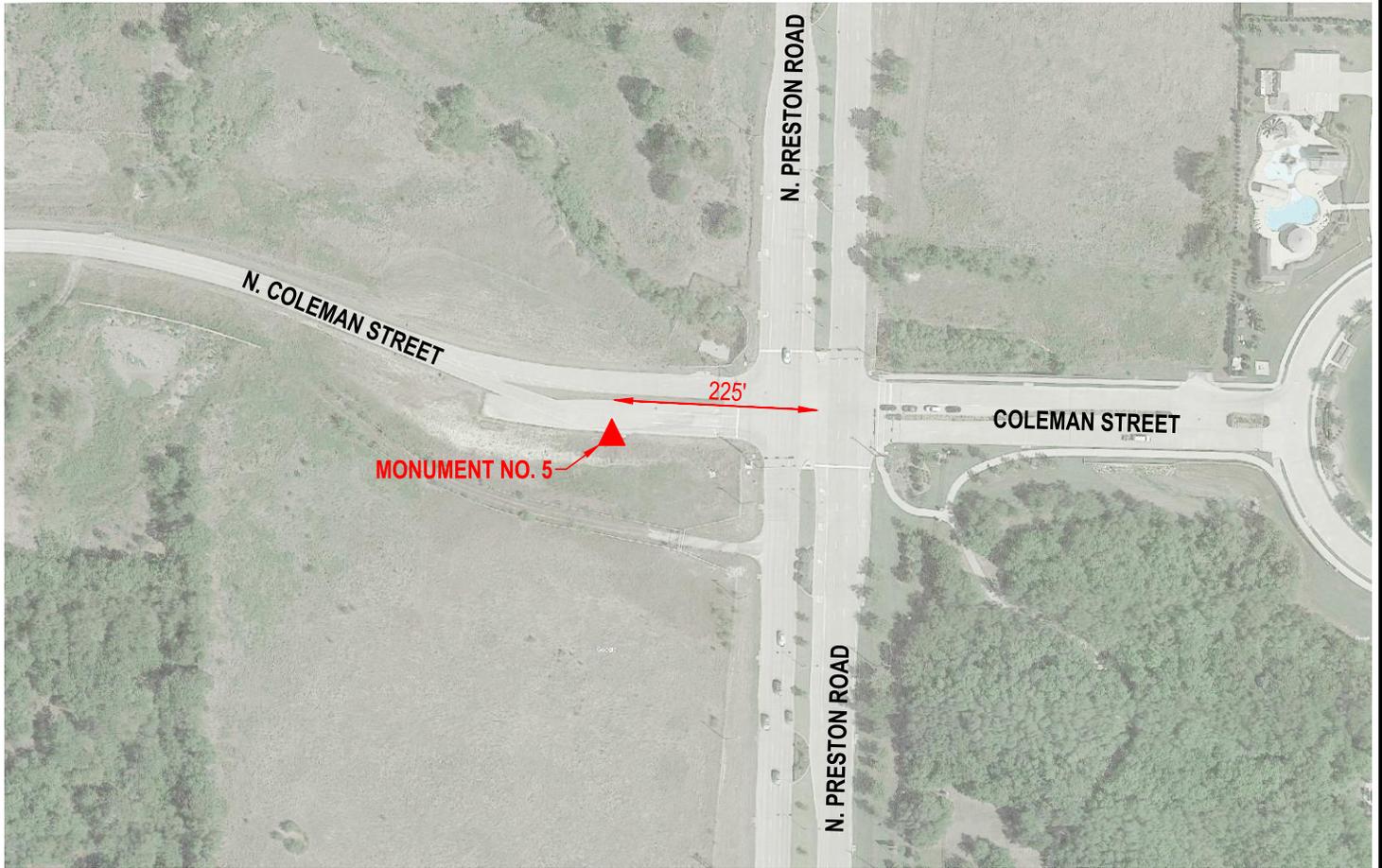


DATE RECORDED	STATION NO.	STATION DESCRIPTION	
08/26/2020	NO. 4	BRONZE DISK STAMPED "TOWN OF PROSPER SURVEY MONUMENT" LOCATED ON THE NORTHWEST CORNER OF A CURB INLET LYING ON THE WEST SIDE OF S. MAIN STREET $\pm 30'$ SOUTH OF THE INTERSECTION OF S. MAIN STREET AND W. 3RD STREET.	
NORTH AMERICAN DATUM - 1983 (2011) TEXAS NORTH CENTRAL ZONE (4202)			
LATITUDE		33° 14' 05.88437" N	
LONGITUDE		96° 48' 11.36912" W	
NORTHING (Y)		2175186.167 (meters)	7136423.283 (feet)
EASTING (X)		758127.458 (meters)	2487289.835 (feet)
GRID SCALE FACTOR		0.99987772	
COMBINED SCALE FACTOR		0.99984989	
ELEVATION (NAVD88-GEOID12B)		203.141 (meters)	666.47 (feet)

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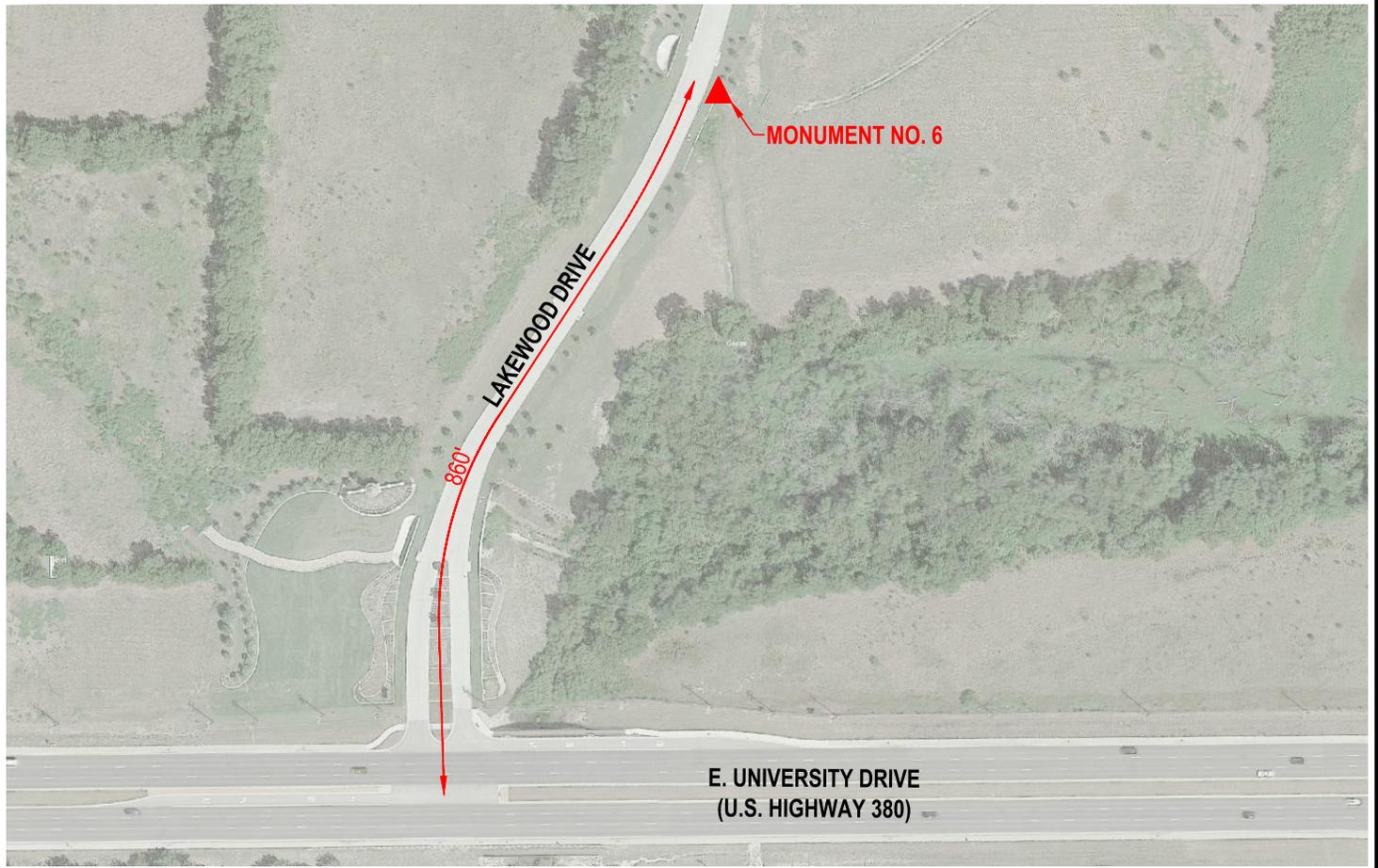


DATE RECORDED	STATION NO.	STATION DESCRIPTION	
08/26/2020	NO. 5	BRONZE DISK STAMPED "TOWN OF PROSPER SURVEY MONUMENT" LOCATED ON THE SOUTHWEST CORNER OF A CURB INLET LYING ON THE SOUTH SIDE OF N. COLEMAN STREET +225' WEST OF THE INTERSECTION OF N. COLEMAN STREET AND N. PRESTON ROAD.	
NORTH AMERICAN DATUM - 1983 (2011) TEXAS NORTH CENTRAL ZONE (4202)			
LATITUDE		33° 15' 26.45694" N	
LONGITUDE		96° 47' 06.90454" W	
NORTHING (Y)		2177694.911 (meters)	7144654.054 (feet)
EASTING (X)		759755.525 (meters)	2492631.252 (feet)
GRID SCALE FACTOR		0.99987904	
COMBINED SCALE FACTOR		0.99984935	704.95 (feet)
ELEVATION (NAVD88-GEOID12B)		214.870 (meters)	

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DATE RECORDED	STATION NO.	STATION DESCRIPTION	
08/26/2020	NO. 6	BRONZE DISK STAMPED "TOWN OF PROSPER SURVEY MONUMENT" LOCATED ON THE NORTH END OF A CONCRETE HEADWALL LYING ON THE EAST SIDE OF LAKEWOOD DRIVE +860' NORTH OF THE INTERSECTION OF LAKEWOOD DRIVE AND E. UNIVERSITY DRIVE (U.S. HIGHWAY 380).	
NORTH AMERICAN DATUM - 1983 (2011) TEXAS NORTH CENTRAL ZONE (4202)			
LATITUDE		33° 13' 14.75692" N	
LONGITUDE		96° 45' 19.53126" W	
NORTHING (Y)		2173684.305 (meters)	7131495.924 (feet)
EASTING (X)		762601.387 (meters)	2501968.051 (feet)
GRID SCALE FACTOR		0.99987696	
COMBINED SCALE FACTOR		0.99984687	
ELEVATION (NAVD88-GEOID12B)		217.475 (meters)	713.50 (feet)