



**The City of West
University Place Bench
Mark Locations 2019**

3R & 5R revised 12/2013 2R
revised 8/2019



**City of
West University
Place, Texas**

West University Place Benchmark Station

West University Place
City Benchmark Sheet

Benchmark No. 1

General Location: Nottingham Street and Belmont Street

Detail Sketch:

Latitude: 29° 43' 21.30840" N
 Longitude: 95° 25' 30.30940" W
 Grid Northing: 13,827,616.47
 Grid Easting: 3,102,986.63
 State Plane Coordinates, Texas South Central
 Zone (4204), NAD83, 2001 Adj.

Elevation: 51.59 NAVD88, 2001 Adj.

Set 2" Brass Disk in Conc. Stamped "BM1"
 Surveyed April 2004, Landtech Consultants, Inc.

Horizontal positions were established using GPS
 (RTK). Elevations were established using
 differential leveling. Harris County FEMA
 (TSARP) Benchmarks 040130 and 210195 were
 held for horizontal and vertical control. Unit of
 Measure: U. S. Survey Foot

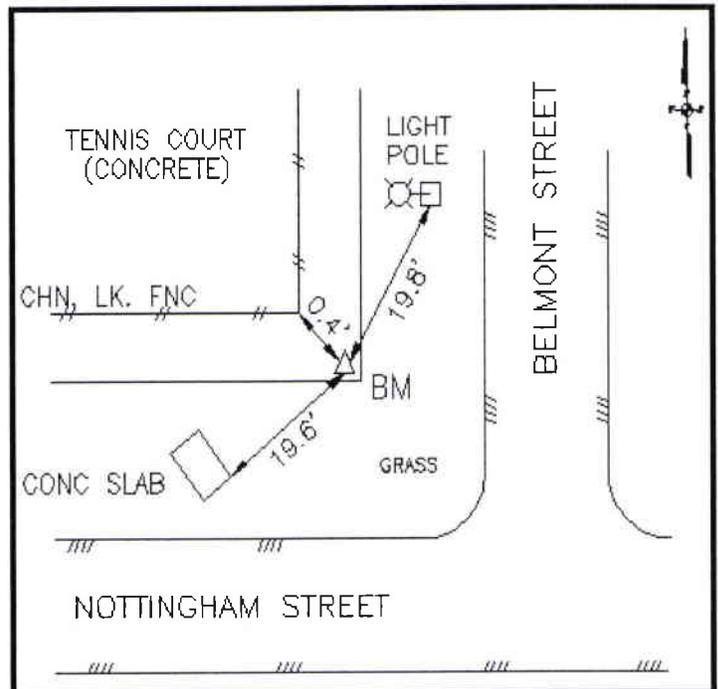


Photo 1-Station Detail:



Photo 2-Station Area Picture:



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**City of
West University
Place, Texas**

West University Place Benchmark Station

**West University Place
City Benchmark Sheet**

Benchmark No. 2R

General Location: At the southwest corner of tennis courts at Simmons Street and Judson Avenue

Latitude: 29° 43' 11.41219" N
 Longitude: 95° 26' 46.10911" W
 Grid Northing: 13,826,413.68
 Grid Easting: 3,096,337.18
 State Plane Coordinates, Texas South Central
 Zone (4204), NAD83, 2001 Adj.

Elevation: 52.31 NAVD88, 2001 Adj.

Set 3" Brass Disk in Conc. Stamped "BM2R"
 Surveyed July 2019, Landtech, Inc.

Horizontal positions were established using GPS
 (RTK). Elevations were established using
 differential leveling. Harris County FEMA
 (TSARP) Benchmarks 040130 and 210195 were
 held for horizontal and vertical control. Unit of
 Measure: U. S. Survey Foot

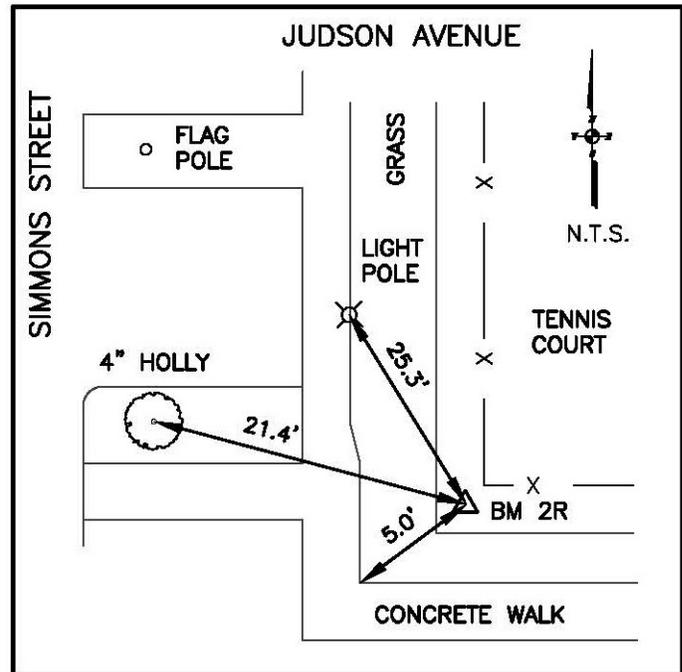


Photo 1-Station Detail:



Photo 2-Station Area Picture:



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**City of
West University
Place, Texas**

West University Place Benchmark Station

West University Place
City Benchmark Sheet

Benchmark No. 3R

General Location: Bellaire Boulevard and West Point Drive

Detail Sketch:

Latitude: 29° 42' 22.57130" N
 Longitude: 95° 26' 45.95941" W
 Grid Northing: 13,821,483.02
 Grid Easting: 3,096,500.27
 State Plane Coordinates, Texas South Central Zone (4204), NAD83, 2001 Adj.

Elevation: 54.07 NAVD88, 2001 Adj.

Set 3" Brass Disk in Conc. Stamped "BM3R"
 Surveyed DEC. 2013, Landtech Consultants, Inc.

Horizontal positions were established using GPS (RTK). Elevations were established using differential leveling. Harris County FEMA (TSARP) Benchmarks 040130 and 210195 were held for horizontal and vertical control. Unit of Measure: U. S. Survey Foot

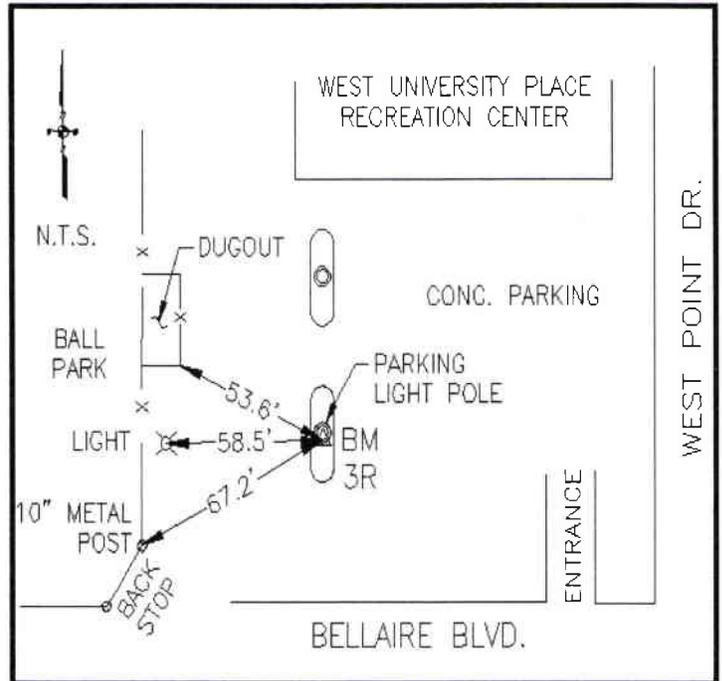
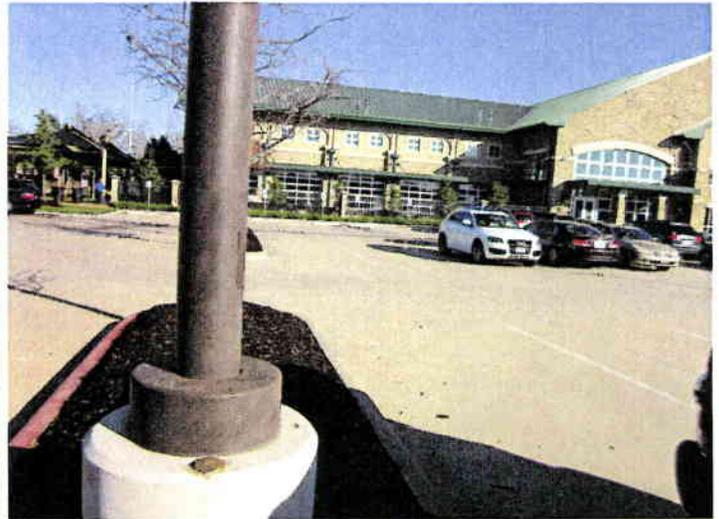


Photo 1-Station Detail:

Photo 2-Station Area Picture:



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**City of
West University
Place, Texas**

West University Place Benchmark Station

West University Place
City Benchmark Sheet

Benchmark No. 4

General Location: Carnegie Street and Wakeforest Avenue

Detail Sketch:

Latitude: 29° 42' 33.62463" N
 Longitude: 95° 25' 20.04647" W
 Grid Northing: 13,822,829.92
 Grid Easting: 3,104,038.37
 State Plane Coordinates, Texas South Central
 Zone (4204), NAD83, 2001 Adj.

Elevation: 47.84 NAVD88, 2001 Adj.

Set 2" Brass Disk in Conc. Stamped "BM4"
 Surveyed April 2004, Landtech Consultants, Inc.

Horizontal positions were established using GPS
 (RTK). Elevations were established using
 differential leveling. Harris County FEMA
 (TSARP) Benchmarks 040130 and 210195 were
 held for horizontal and vertical control. Unit of
 Measure: U. S. Survey Foot

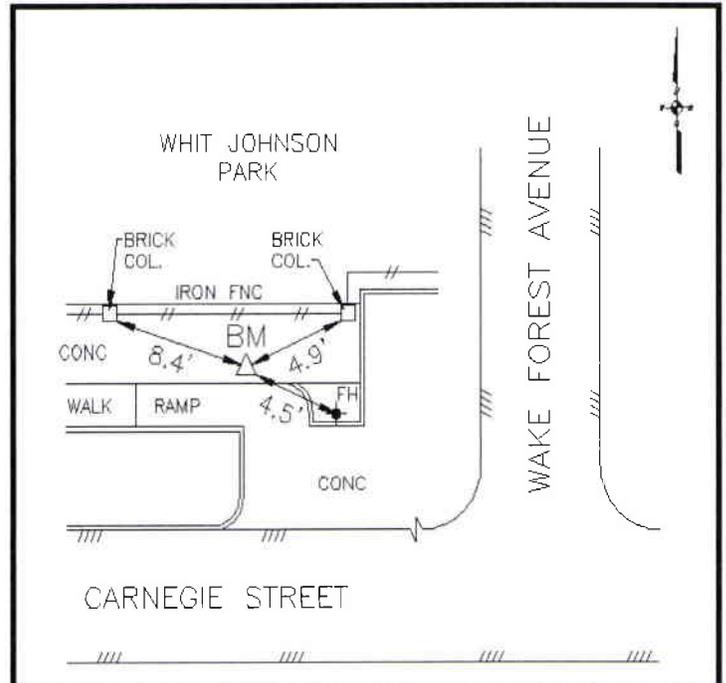


Photo 1-Station Detail:

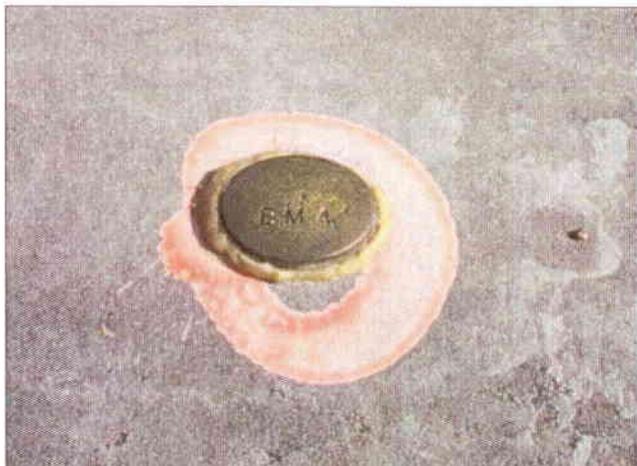


Photo 2-Station Area Picture:



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**City of
West University
Place, Texas**

West University Place Benchmark Station

**West University Place
City Benchmark Sheet**

Benchmark No. 5R

General Location: Amherst Street and Auden Avenue

Detail Sketch:

Latitude: 29° 42' 54.95852" N
 Longitude: 95° 26' 18.32797" W
 Grid Northing: 13,824,826.99
 Grid Easting: 3,098,836.06
 State Plane Coordinates, Texas South Central Zone
 (4204), NAD83, 2001 Adj.

Elevation: 52.06 NAVD88, 2001 Adj.

Set 3" Brass Disk in Conc. Stamped "BM5R"
 Surveyed Dec. 2013, Landtech Consultants, Inc.

Horizontal positions were established using GPS
 (RTK). Elevations were established using
 differential leveling. Harris County FEMA
 (TSARP) Benchmarks 040130 and 210195 were
 held for horizontal and vertical control. Unit of
 Measure: U. S. Survey Foot

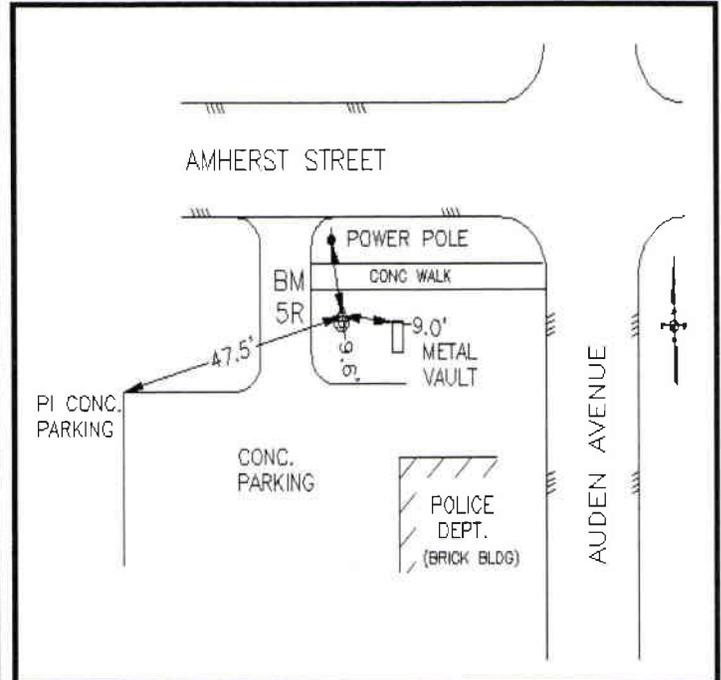


Photo 1-Station Detail:

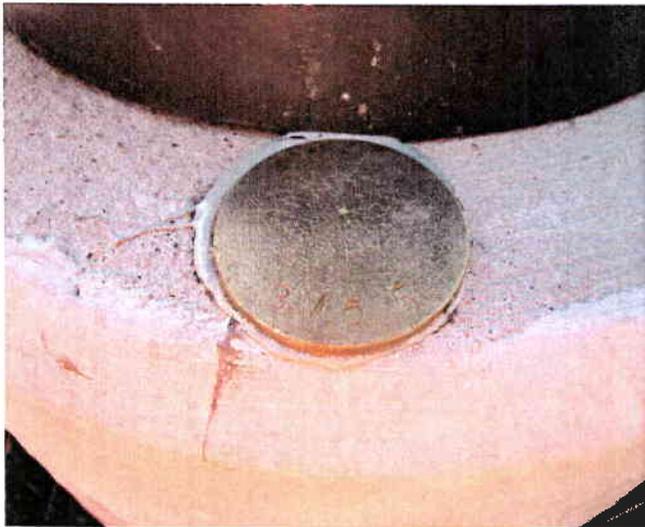


Photo 2-Station Area Picture:



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